

# GMP Package

Glendale Community College – New Science Building  
Glendale, CA | May 5, 2021



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# GMP Package

Glendale Community College – New Science Building  
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05/05/21

EXHIBIT  
“F”

# EXECUTIVE SUMMARY

## Glendale Community College - New Science Building Guaranteed Maximum Price

### Project Information

Client	<b>Glendale Community College</b>
Project	Glendale Community College - New Science Building Glendale, CA Guaranteed Maximum Price
Architect	HMC
Estimator	JM / SZ
Estimate Id	GMP
Project Duration	
Date	May 05, 2021
Building Type	

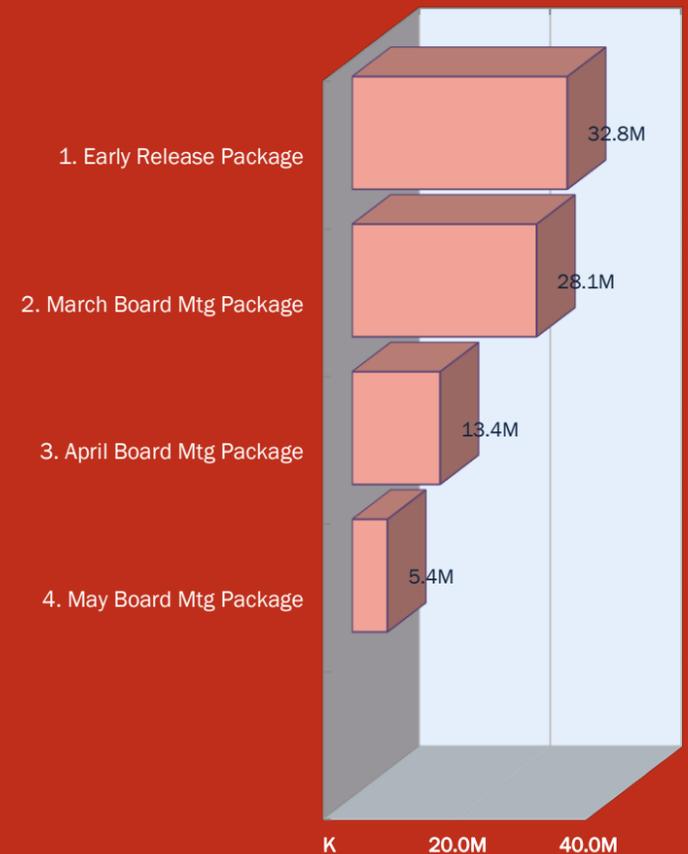


Construction Area 115,570 SF

### Project Costs Summary

<b>PROJECTED CONSTRUCTION COSTS</b>	<b>\$760.81 /SF</b>	<b>\$87,927,170</b>
GCC - Owner Controlled Allowances	\$28.12	\$3,250,000
<b>TOTAL</b>	<b>\$788.93 /SF</b>	<b>\$91,177,170</b>

### SYSTEMS SUMMARY



# SYSTEMS SUMMARY

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
Date: May 05, 2021  
Construction Area: 115,570 SF

Code	Description		Cost / SF	Total
	1. Early Release Package		\$283.77	\$32,795,031
	2. March Board Mtg Package		\$243.29	\$28,117,271
	3. April Board Mtg Package		\$115.98	\$13,404,256
	4. May Board Mtg Package		\$46.43	\$5,365,841
<b>TOTAL</b>			<b>\$689.47 \$</b>	<b>79,682,399</b>
	Construction Contingency	3.00%	\$20.68	\$2,390,472
	SDI Insurance	1.20%	\$7.32	\$845,877
	Fee	3.50%	\$26.63	\$3,077,693
	GC Insurance: Traditional	1.25%	\$9.37	\$1,083,442
	Builders Risk	0.51%	\$3.81	\$440,624
	Payment & Performance Bond	0.47%	\$3.52	\$406,663
<b>PROJECTED CONSTRUCTION COSTS</b>			<b>\$760.81 \$</b>	<b>87,927,170</b>
	GCC - Owner Controlled Allowances		\$28.12	\$3,250,000
<b>TOTAL</b>			<b>\$788.93 \$</b>	<b>91,177,170</b>

# BID PACKAGE LEVEL SORT REPORT

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
Date: May 05, 2021

Construction Area: 115,570 SF

BID PACKAGE						
DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL	
01720-Survey						\$87,200
02250-Shoring, Piles, & Earthwork						\$4,804,000
02500-Site Utilities						\$1,328,251
02730-AC Paving						\$207,629
02775-Site Concrete						\$1,141,180
02900-Landscaping						\$305,572
03300-Concrete & Reinforcing Steel						\$4,875,721
05120-Structural Steel						\$7,841,600
05500-Misc Steel						\$877,200
06220-Casework & Millwork						\$416,820
07100-Waterproofing						\$291,840
07210-Insulation						\$203,700
07250-Fireproofing						\$588,134
07410-Metal Panels & Sheet Metal						\$1,996,000
07500-Roofing						\$861,990
08100-Doors Frames Hardware						\$586,800
08300-Smoke Guard Doors						\$293,551
08400-Exterior Glazing Systems						\$2,399,000
08800-Glass & Glazing						\$872,825
09200-Plaster						\$1,641,056
09260-Drywall						\$6,176,000
09300-Tile						\$412,400
09400-Terrazzo						\$145,425
09510-Acoustical Ceilings						\$798,775
09670-Epoxy Flooring						\$375,880
09680-Flooring						\$531,200
09900-Painting & WC						\$402,092
10000-Specialties						\$112,267
10150-Partitions & Accessories						\$112,121
10400-Signage						\$44,575
10650-Operable Partitions						\$79,865
10670-Storage Shelving						\$83,905
11600-Lab Equipment						\$3,074,712
12490-Window Treatment						\$155,460
12600-Multiple Seating						\$123,308
14200-Elevators						\$841,481
14400-Dumbwaiters & Lifts						\$348,968
15300-Fire Protection						\$948,300
15400-Plumbing						\$4,610,260
15500-HVAC						\$8,432,222
16000-Electrical						\$8,664,499
18000-Allowances						\$1,165,000
19154-Hoist/Crane						\$1,580,974
19200-General Requirements						\$2,232,334
19250-General Conditions						\$6,610,307
<b>BID PACKAGE SUBTOTAL</b>						<b>\$79,682,399</b>

Construction Contingency	3.00%	\$20.68	\$2,390,472
SDI Insurance	1.20%	\$7.32	\$845,877
Fee	3.50%	\$26.63	\$3,077,693
GC Insurance: Traditional	1.25%	\$9.37	\$1,083,442



# BID PACKAGE LEVEL SORT REPORT

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
Date: May 05, 2021

Construction Area: 115,570 SF

BID PACKAGE						
DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL	
Builders Risk		0.51%		\$3.81	\$440,624	
Payment & Performance Bond		0.47%		\$3.52	\$406,663	
<b>PROJECTED CONSTRUCTION COSTS</b>				<b>\$760.81</b>	<b>\$87,927,170</b>	
GCC - Owner Controlled Allowances				\$28.12	\$3,250,000	
<b>TOTAL</b>				<b>\$788.93</b>	<b>\$91,177,170</b>	

# WBS 3 BY BID PACKAGE CROSSTAB REPORT

Glendale Community College - New Science Building

Glendale Community College - New Science Building

Estimate No.: GMP

Glendale, CA

Guaranteed Maximum Price

Date: May 05, 2021

Construction Area: 115,570 SF

BidItem	1. Early Release Package 115570 sf		2. March Board Mtg Package 115570 sf		3. April Board Mtg Package 115570 sf		4. May Board Mtg Package 115570 sf		Total Value	Total Cost/SF
	Value	Cost/Unit	Value	Cost/Unit	Value	Cost/Unit	Value	Cost/Unit		
01720-Survey	\$87,200	\$0.75	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$87,200	\$0.75
02250-Shoring, Piles, & Earthwork	\$4,804,000	\$41.57	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$4,804,000	\$41.57
02500-Site Utilities	\$1,328,251	\$11.49	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$1,328,251	\$11.49
02730-AC Paving	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$207,629	\$1.80	\$207,629	\$1.80
02775-Site Concrete	\$0	\$0.00	\$0	\$0.00	\$1,141,180	\$9.87	\$0	\$0.00	\$1,141,180	\$9.87
02900-Landscaping	\$0	\$0.00	\$0	\$0.00	\$305,572	\$2.64	\$0	\$0.00	\$305,572	\$2.64
03300-Concrete & Reinforcing Steel	\$0	\$0.00	\$4,875,721	\$42.19	\$0	\$0.00	\$0	\$0.00	\$4,875,721	\$42.19
05120-Structural Steel	\$7,841,600	\$67.85	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$7,841,600	\$67.85
05500-Misc Steel	\$0	\$0.00	\$0	\$0.00	\$877,200	\$7.59	\$0	\$0.00	\$877,200	\$7.59
06220-Casework & Millwork	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$416,820	\$3.61	\$416,820	\$3.61
07100-Waterproofing	\$291,840	\$2.53	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$291,840	\$2.53
07210-Insulation	\$0	\$0.00	\$0	\$0.00	\$203,700	\$1.76	\$0	\$0.00	\$203,700	\$1.76
07250-Fireproofing	\$0	\$0.00	\$0	\$0.00	\$588,134	\$5.09	\$0	\$0.00	\$588,134	\$5.09
07410-Metal Panels & Sheet Metal	\$0	\$0.00	\$1,996,000	\$17.27	\$0	\$0.00	\$0	\$0.00	\$1,996,000	\$17.27
07500-Roofing	\$0	\$0.00	\$0	\$0.00	\$861,990	\$7.46	\$0	\$0.00	\$861,990	\$7.46
08100-Doors Frames Hardware	\$0	\$0.00	\$0	\$0.00	\$586,800	\$5.08	\$0	\$0.00	\$586,800	\$5.08
08300-Smoke Guard Doors	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$293,551	\$2.54	\$293,551	\$2.54
08400-Exterior Glazing Systems	\$0	\$0.00	\$2,399,000	\$20.76	\$0	\$0.00	\$0	\$0.00	\$2,399,000	\$20.76
08800-Glass & Glazing	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$872,825	\$7.55	\$872,825	\$7.55
09200-Plaster	\$0	\$0.00	\$1,641,056	\$14.20	\$0	\$0.00	\$0	\$0.00	\$1,641,056	\$14.20
09260-Drywall	\$0	\$0.00	\$0	\$0.00	\$6,176,000	\$53.44	\$0	\$0.00	\$6,176,000	\$53.44
09300-Tile	\$0	\$0.00	\$0	\$0.00	\$412,400	\$3.57	\$0	\$0.00	\$412,400	\$3.57
09400-Terrazzo	\$0	\$0.00	\$0	\$0.00	\$145,425	\$1.26	\$0	\$0.00	\$145,425	\$1.26
09510-Acoustical Ceilings	\$0	\$0.00	\$0	\$0.00	\$798,775	\$6.91	\$0	\$0.00	\$798,775	\$6.91
09670-Epoxy Flooring	\$0	\$0.00	\$0	\$0.00	\$375,880	\$3.25	\$0	\$0.00	\$375,880	\$3.25
09680-Flooring	\$0	\$0.00	\$0	\$0.00	\$531,200	\$4.60	\$0	\$0.00	\$531,200	\$4.60
09900-Painting & WC	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$402,092	\$3.48	\$402,092	\$3.48
10000-Specialties	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$112,267	\$0.97	\$112,267	\$0.97
10150-Partitions & Accessories	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$112,121	\$0.97	\$112,121	\$0.97
10400-Signage	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$44,575	\$0.39	\$44,575	\$0.39
10650-Operable Partitions	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$79,865	\$0.69	\$79,865	\$0.69
10670-Storage Shelving	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$83,905	\$0.73	\$83,905	\$0.73
11600-Lab Equipment	\$0	\$0.00	\$3,074,712	\$26.60	\$0	\$0.00	\$0	\$0.00	\$3,074,712	\$26.60
12490-Window Treatment	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$155,460	\$1.35	\$155,460	\$1.35
12600-Multiple Seating	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$123,308	\$1.07	\$123,308	\$1.07
14200-Elevators	\$841,481	\$7.28	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$841,481	\$7.28
14400-Dumbwaiters & Lifts	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$348,968	\$3.02	\$348,968	\$3.02
15300-Fire Protection	\$0	\$0.00	\$948,300	\$8.21	\$0	\$0.00	\$0	\$0.00	\$948,300	\$8.21
15400-Plumbing	\$0	\$0.00	\$4,610,260	\$39.89	\$0	\$0.00	\$0	\$0.00	\$4,610,260	\$39.89
15500-HVAC	\$0	\$0.00	\$8,432,222	\$72.96	\$0	\$0.00	\$0	\$0.00	\$8,432,222	\$72.96
16000-Electrical	\$8,664,499	\$74.97	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$8,664,499	\$74.97
18000-Allowances	\$275,000	\$2.38	\$140,000	\$1.21	\$400,000	\$3.46	\$350,000	\$3.03	\$1,165,000	\$10.08
19154-Hoist/Crane	\$1,580,974	\$13.68	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$1,580,974	\$13.68



# WBS 3 BY BID PACKAGE CROSSTAB REPORT

Glendale Community College - New Science Building  
 Glendale, CA

Glendale Community College - New Science Building  
 Guaranteed Maximum Price

Estimate No.: GMP  
 Date: May 05, 2021

Construction Area: 115,570 SF

BidItem	1. Early Release Package 115570 sf		2. March Board Mtg Package 115570 sf		3. April Board Mtg Package 115570 sf		4. May Board Mtg Package 115570 sf		Total Value	Total Cost/SF
	Value	Cost/Unit	Value	Cost/Unit	Value	Cost/Unit	Value	Cost/Unit		
19200-General Requirements	\$469,879	\$4.07	\$0	\$0.00	\$0	\$0.00	\$1,762,455	\$15.25	\$2,232,334	\$19.32
19250-General Conditions	\$6,610,307	\$57.20	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$6,610,307	\$57.20
<b>SUB TOTAL</b>	<b>\$32,795,031</b>	<b>\$283.77</b>	<b>\$28,117,271</b>	<b>\$243.29</b>	<b>\$13,404,256</b>	<b>\$115.98</b>	<b>\$5,365,841</b>	<b>\$46.43</b>	<b>\$79,682,399</b>	<b>\$689.47</b>
Construction Contingency									\$2,390,472	\$20.68
SDI Insurance									\$845,877	\$7.32
Fee									\$3,077,693	\$26.63
GC Insurance: Traditional									\$1,083,442	\$9.37
Builders Risk									\$440,624	\$3.81
Payment & Performance Bond									\$406,663	\$3.52
<b>PROJECTED CONSTRUCTION COSTS</b>									<b>\$87,927,170</b>	<b>\$760.81</b>
GCC - Owner Controlled Allowances									\$3,250,000	\$28.12
<b>TOTAL</b>									<b>\$91,177,170</b>	<b>\$788.93</b>



# DETAILED BACKUP

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
Date: May 05, 2021

Construction Area: 115,570 SF

**WBS 3**  
**BID PACKAGE**  
**UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
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<b>1. Early Release Package</b>					
<b>01720-Survey</b>					
<b>Sitework</b>					
Adkan Engineering		1	ls	\$85,000.00	\$85,000
Bldg Ht. Cert		1	ls	\$2,200.00	\$2,200
<b>Subtotal: Sitework</b>					<b>\$87,200</b>
<b>Subtotal: 01720-Survey</b>					<b>\$87,200</b>
<b>02250-Shoring, Piles, &amp; Earthwork</b>					
<b>Special Foundations</b>					
Rebar Cages		1	ls	\$527,000.00	\$527,000
CIDH Piles, 24" & 30"		8,525	lf	\$156.13	\$1,331,000
<b>Subtotal: Special Foundations</b>					<b>\$1,858,000</b>
<b>Walls for Subgrade Enclosures</b>					
Permanent Shoring System		1	ls	\$1,932,000.00	\$1,932,000
<b>Subtotal: Walls for Subgrade Enclosures</b>					<b>\$1,932,000</b>
<b>Site Elements Demolition</b>					
Demolition / Site Clear & Grub		1	ls	\$215,000.00	\$215,000
<b>Subtotal: Site Elements Demolition</b>					<b>\$215,000</b>
<b>Site Earthwork</b>					
Excavation and offhaul		1	ls	\$475,000.00	\$475,000
Rough & Fne Grade		1	ls	\$50,000.00	\$50,000
Overex and compact at building pad		1	ls	\$95,000.00	\$95,000
Erosion control setup		1	ls	\$30,000.00	\$30,000
Backfill at sitewalls and stairs		1	ls	\$125,000.00	\$125,000
Video capture of Adjacent conditions		1	ls	\$6,500.00	\$6,500
Grade receiling area & tower crane and manlift		1	ls	\$10,000.00	\$10,000
Shoring around manlift		1	ls	\$7,500.00	\$7,500
<b>Subtotal: Site Earthwork</b>					<b>\$799,000</b>
<b>Subtotal: 02250-Shoring, Piles, &amp; Earthwork</b>					<b>\$4,804,000</b>
<b>02500-Site Utilities</b>					
<b>Site Utilities</b>					
MOB / Potholing		1	ls	\$60,000.00	\$60,000
Site Utilities - CTC		1	ls	\$134,500.00	\$134,500
<b>Subtotal: Site Utilities</b>					<b>\$194,500</b>
<b>Water Utilities</b>					
Domestic Water	5' outside of building	1	ls	\$78,455.00	\$78,455
Fire Water		1	ls	\$200,429.00	\$200,429
Reclaimed Water		1	ls	\$8,249.00	\$8,249
<b>Subtotal: Water Utilities</b>					<b>\$287,133</b>



# DETAILED BACKUP

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
Date: May 05, 2021

Construction Area: 115,570 SF

**WBS 3**  
**BID PACKAGE**  
**UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
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**Sanitary Sewerage Utilities**

Site Sewer		1	ls	\$56,747.00	\$56,747
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<b>Subtotal: Sanitary Sewerage Utilities</b>					<b>\$56,747</b>
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**Storm Drainage Utilities**

Storm Drain		1	ls	\$789,871.00	\$789,871
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<b>Subtotal: Storm Drainage Utilities</b>					<b>\$789,871</b>
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<b>Subtotal: 02500-Site Utilities</b>					<b>\$1,328,251</b>
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**05120-Structural Steel**

**Floor Construction**

Shop Drawings and coordination		1	ls	\$190,000.00	\$190,000
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Structural Steel - Fabrication		1,140	tn	\$2,314.91	\$2,639,000
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Structural Steel - Erection		1,140	tn	\$2,078.95	\$2,370,000
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BRBs		162	tn	\$3,611.11	\$585,000
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Metal Decking		1	ls	\$878,000.00	\$878,000
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Rebar Couplers at column flanges		1	ls	\$9,600.00	\$9,600
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Detailing at pipe penetrations		1	ls	\$30,000.00	\$30,000
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<b>Subtotal: Floor Construction</b>					<b>\$6,701,600</b>
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**Stairs**

Stairs & Railings		1	ls	\$1,140,000.00	\$1,140,000
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<b>Subtotal: Stairs</b>					<b>\$1,140,000</b>
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<b>Subtotal: 05120-Structural Steel</b>					<b>\$7,841,600</b>
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**07100-Waterproofing**

**Walls for Subgrade Enclosures**

Waterproofing - subcontract		1	ls	\$241,405.00	\$241,405
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Waterproofing - CTCs		1	ls	\$50,435.00	\$50,435
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<b>Subtotal: Walls for Subgrade Enclosures</b>					<b>\$291,840</b>
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<b>Subtotal: 07100-Waterproofing</b>					<b>\$291,840</b>
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**14200-Elevators**

**Vertical Conveying Systems**

3500 Lb Elevator - 5 stop		2	ea	\$235,500.00	\$471,000
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<b>Subtotal: Vertical Conveying Systems</b>					<b>\$471,000</b>
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**Project Requirements**

Elevator Operator for 38 weeks		35	ea	\$10,172.31	\$356,031
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Operation of elevator platform for patching in shaft		1	ls	\$9,950.00	\$9,950
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2-way Comms		1	ls	\$4,500.00	\$4,500
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<b>Subtotal: Project Requirements</b>					<b>\$370,481</b>
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# DETAILED BACKUP

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Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
Date: May 05, 2021

Construction Area: 115,570 SF

WBS 3 BID PACKAGE UNIFORMAT 3						
DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL	
<b>Subtotal: 14200-Elevators</b>						<b>\$841,481</b>
<b>16000-Electrical</b>						
<b>Electrical</b>						
Electrical - Building		1	ls	\$7,335,174.00	\$7,335,174	
Electrical - Site		1	ls	\$1,191,825.00	\$1,191,825	
Electrical - CTC		1	ls	\$137,500.00	\$137,500	
<b>Subtotal: Electrical</b>						<b>\$8,664,499</b>
<b>Subtotal: 16000-Electrical</b>						<b>\$8,664,499</b>
<b>18000-Allowances</b>						
<b>Allowances</b>						
Exterior facade mockup Allowance		1	ls	\$75,000.00	\$75,000	
Repairs / Restoration of Public Sidewalks & Streets Allowance		1	ls	\$50,000.00	\$50,000	
Additional misc. Supports (point cloud coordination) Allowance		1	ls	\$150,000.00	\$150,000	
<b>Subtotal: Allowances</b>						<b>\$275,000</b>
<b>Subtotal: 18000-Allowances</b>						<b>\$275,000</b>
<b>19154-Hoist/Crane</b>						
<b>Floor Construction</b>						
Tower Crane & Hoist - Subcontract		10	mo	\$115,667.40	\$1,156,674	
OT Allowance - Crane and Hoist		1	ls	\$363,300.00	\$363,300	
Crane & Hoist - CTC		1	ls	\$61,000.00	\$61,000	
Foundation Design Allowance	In Allowances	1	ls	\$0.00	\$0	
<b>Subtotal: Floor Construction</b>						<b>\$1,580,974</b>
<b>Subtotal: 19154-Hoist/Crane</b>						<b>\$1,580,974</b>
<b>19200-General Requirements</b>						
<b>Project Requirements</b>						
General Requirements - Partial Release		1	ls	\$200,000.00	\$200,000	
VDC Coordination		1	ls	\$269,879.00	\$269,879	
<b>Subtotal: Project Requirements</b>						<b>\$469,879</b>
<b>Subtotal: 19200-General Requirements</b>						<b>\$469,879</b>
<b>19250-General Conditions</b>						
<b>Jobsite Management</b>						
General Conditions		1	ls	\$6,610,307.00	\$6,610,307	
<b>Subtotal: Jobsite Management</b>						<b>\$6,610,307</b>
<b>Subtotal: 19250-General Conditions</b>						<b>\$6,610,307</b>
<b>Subtotal: 1. Early Release Package</b>						<b>\$32,795,031</b>



# DETAILED BACKUP

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
Date: May 05, 2021

Construction Area: 115,570 SF

<b>WBS 3</b>						
<b>BID PACKAGE</b>						
<b>UNIFORMAT 3</b>						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">DESCRIPTION</th> <th style="width: 20%;">COMMENTS</th> <th style="width: 10%;">QUANTITY</th> <th style="width: 10%;">UNIT</th> <th style="width: 15%;">UNIT COST</th> <th style="width: 10%;">TOTAL</th> </tr> </thead> </table>	DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL	

**2. March Board Mtg Package**

**03300-Concrete & Reinforcing Steel**

**Floor Construction**

Conco - Subcontract	1	ls	\$4,821,721.00		\$4,821,721
Rat slab at foundations	1	ls	\$19,000.00		\$19,000
Dewatering	1	ls	\$10,000.00		\$10,000
Export / Import	1	ls	\$25,000.00		\$25,000

**Subtotal: Floor Construction** **\$4,875,721**

**Subtotal: 03300-Concrete & Reinforcing Steel** **\$4,875,721**

**07410-Metal Panels & Sheet Metal**

**Exterior Walls**

VNSM - Subcontract	1	ls	\$1,921,000.00		\$1,921,000
IPE Wood trellis coordination	1	ls	\$30,000.00		\$30,000
Coordination at window flashings	1	ls	\$10,000.00		\$10,000
Coordination at control joints in metal panel systems	1	ls	\$15,000.00		\$15,000
Column Covers at Trellis	1	ls	\$20,000.00		\$20,000

**Subtotal: Exterior Walls** **\$1,996,000**

**Subtotal: 07410-Metal Panels & Sheet Metal** **\$1,996,000**

**08400-Exterior Glazing Systems**

**Exterior Windows**

Aragon Construction - Subcontract	1	ls	\$2,352,000.00		\$2,352,000
Misc. additional testing	1	ls	\$15,000.00		\$15,000
Building leave outs / access openings	1	ls	\$10,000.00		\$10,000
Flashing coordination at windows	1	ls	\$8,500.00		\$8,500
Protection at high traffic areas	1	ls	\$10,000.00		\$10,000
Factory visit / verification	1	ls	\$3,500.00		\$3,500

**Subtotal: Exterior Windows** **\$2,399,000**

**Subtotal: 08400-Exterior Glazing Systems** **\$2,399,000**

**09200-Plaster**

**Exterior Walls**

Lath & Plaster - Subcontract	1	ls	\$1,602,056.00		\$1,602,056
Caulking coordination between trades	1	ls	\$7,500.00		\$7,500
Plaster patching / re-work at misc boxes/attachments	1	ls	\$6,500.00		\$6,500
CJ / EJ Shop drawing coordination	1	ls	\$10,000.00		\$10,000
Weather barrier coord. at metal panels	1	ls	\$15,000.00		\$15,000

**Subtotal: Exterior Walls** **\$1,641,056**

**Subtotal: 09200-Plaster** **\$1,641,056**



# DETAILED BACKUP

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
Guaranteed Maximum Price

Estimate No.: GMP  
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**WBS 3**  
**BID PACKAGE**  
**UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
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**11600-Lab Equipment**

**Fixed Furnishings**

Saxton-Bradley - Subcontract		1	ls	\$2,999,712.00	\$2,999,712
Mockup - to be issued in ASI (RFI #96)		1	ls	\$15,000.00	\$15,000
Wire mold at movable tables		1	ls	\$50,000.00	\$50,000
OFCI material handling		1	ls	\$10,000.00	\$10,000

**Subtotal: Fixed Furnishings** **\$3,074,712**

**Subtotal: 11600-Lab Equipment** **\$3,074,712**

**15300-Fire Protection**

**Fire Suppression**

Fire Protection - Subcontract		1	ls	\$918,800.00	\$918,800
Coordination of testing agency for equipment		1	ls	\$3,500.00	\$3,500
Coordination between fire alarm for panels & interfacing		1	ls	\$5,000.00	\$5,000
Relocation of heads per detail coordination		1	ls	\$7,500.00	\$7,500
Coordination of supports & point loads to decking		1	ls	\$6,000.00	\$6,000
Coordination & final design layout of piping & equipment		1	ls	\$7,500.00	\$7,500

**Subtotal: Fire Suppression** **\$948,300**

**Subtotal: 15300-Fire Protection** **\$948,300**

**15400-Plumbing**

**Plumbing Systems**

Control Air - Subcontract		1	ls	\$4,507,800.00	\$4,507,800
Premium time for tower crane usage		1	ls	\$6,960.00	\$6,960
Protection of heat exchanger, RO/DI skid, equipment		1	ls	\$12,500.00	\$12,500
Modifications to site water for temp usage		1	ls	\$18,000.00	\$18,000
Coordination w/ lab casework		1	ls	\$7,500.00	\$7,500
Coordination w/ irrigation water connections		1	ls	\$2,500.00	\$2,500
Coordination w/ heavy equipment concrete pads & locations		1	ls	\$5,000.00	\$5,000
Coordination of supports @ point loads		1	ls	\$12,500.00	\$12,500
Coordination & final design of piping /seismic		1	ls	\$7,500.00	\$7,500
Cold condensate drain lines for HVAC equipment		1	ls	\$30,000.00	\$30,000

**Subtotal: Plumbing Systems** **\$4,610,260**

**Subtotal: 15400-Plumbing** **\$4,610,260**

**15500-HVAC**

**HVAC Systems**



# DETAILED BACKUP

Glendale Community College - New  
Glendale, CA

Glendale Community College - New Science Building  
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**WBS 3  
BID PACKAGE  
UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
-------------	----------	----------	------	-----------	-------

Southland - Subcontract		1	ls	\$8,339,442.00	\$8,339,442
Premium time for crane usage		1	ls	\$9,280.00	\$9,280
Climatization for Acclimation of Finish Materials (additional filters, dehumidification) - ALLOWANCE	see allowances	1	ls	\$0.00	\$0
Protection of Air Handlers, Equipment, Ductwork		1	ls	\$30,000.00	\$30,000
Coordination of Heavy Equipment Concrete Pads & Locations		1	ls	\$15,000.00	\$15,000
Coordination of Supports & Point Loads to Decking		1	ls	\$12,500.00	\$12,500
Coordination & Final Design Layout of Pipe, Duct, & Equipment Supports for Seismic Restraints		1	ls	\$17,500.00	\$17,500
Valves & Bypass Required at Chilled Water Site Connections		1	ls	\$8,500.00	\$8,500

**Subtotal: HVAC Systems** **\$8,432,222**

**Subtotal: 15500-HVAC** **\$8,432,222**

**18000-Allowances**

**Allowances**

Millwork repair/replacement due to climatization issues Allowance		1	ls	\$50,000.00	\$50,000
Steel Plate in Plumbing Shaft Allowance		1	ls	\$75,000.00	\$75,000
Design/ structural engineering of tower crane and manlift foundations Allowance		1	ls	\$15,000.00	\$15,000

**Subtotal: Allowances** **\$140,000**

**Subtotal: 18000-Allowances** **\$140,000**

**Subtotal: 2. March Board Mtg Package** **\$28,117,271**

**3. April Board Mtg Package**

**02775-Site Concrete**

**Pedestrian Plazas and Walkways**

Trademark - Subcontract		1	ls	\$698,127.00	\$698,127
Ramps & retaining walls at main entry		1	ls	\$398,053.00	\$398,053
Patch and repair at curbs		1	ls	\$20,000.00	\$20,000
Mockups		1	ls	\$10,000.00	\$10,000
Temp handrails at phase 1 / phase 2 transition		1	ls	\$15,000.00	\$15,000

**Subtotal: Pedestrian Plazas and Walkways** **\$1,141,180**

**Subtotal: 02775-Site Concrete** **\$1,141,180**

**02900-Landscaping**

**Landscaping**



# DETAILED BACKUP

Glendale Community College - New  
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**WBS 3  
BID PACKAGE  
UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
-------------	----------	----------	------	-----------	-------

Brightview - Subcontract		1	ls	\$268,772.00	\$268,772
Weekly maintenance of existing landscaping		1	ls	\$15,000.00	\$15,000
Reinstall irrigation at adjacent areas		1	ls	\$10,000.00	\$10,000
Riverrock under main stair		1	ls	\$1,800.00	\$1,800
Move-ins for irrigation sleeves		1	ls	\$2,500.00	\$2,500
Fill at landscape areas		1	ls	\$7,500.00	\$7,500
<b>Subtotal: Landscaping</b>					<b>\$305,572</b>
<b>Subtotal: 02900-Landscaping</b>					<b>\$305,572</b>
<b>05500-Misc Steel</b>					
<b>Miscellaneous Steel</b>					
Muhlhauser - Subcontract		1	ls	\$800,000.00	\$800,000
Countertop supports		1	ls	\$15,000.00	\$15,000
Chainlink fence and gates at generator enclosure		1	ls	\$17,200.00	\$17,200
NOMMA 1 welds		1	ls	\$45,000.00	\$45,000
<b>Subtotal: Miscellaneous Steel</b>					<b>\$877,200</b>
<b>Subtotal: 05500-Misc Steel</b>					<b>\$877,200</b>
<b>07210-Insulation</b>					
<b>Exterior Walls</b>					
Dittemore - Subcontract		1	ls	\$203,700.00	\$203,700
<b>Subtotal: Exterior Walls</b>					<b>\$203,700</b>
<b>Subtotal: 07210-Insulation</b>					<b>\$203,700</b>
<b>07250-Fireproofing</b>					
<b>Floor Construction</b>					
Nevell Group - Fireproofing Subcontract		1	ls	\$523,134.00	\$523,134
Fireproofing patching		1	ls	\$50,000.00	\$50,000
Touch-up / prep steel at intumescent		1	ls	\$15,000.00	\$15,000
<b>Subtotal: Floor Construction</b>					<b>\$588,134</b>
<b>Subtotal: 07250-Fireproofing</b>					<b>\$588,134</b>
<b>07500-Roofing</b>					
<b>Roofing</b>					
Letner Roofing - Subcontract		1	ls	\$836,990.00	\$836,990
Temp Roofing		1	ls	\$25,000.00	\$25,000
<b>Subtotal: Roofing</b>					<b>\$861,990</b>
<b>Subtotal: 07500-Roofing</b>					<b>\$861,990</b>
<b>08100-Doors Frames Hardware</b>					
<b>Interior Doors</b>					
G&G Door - Subcontract		1	ls	\$528,750.00	\$528,750



# DETAILED BACKUP

Glendale Community College - New

Glendale Community College - New Science Building

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Glendale, CA

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Construction Area: 115,570 SF

**WBS 3**  
**BID PACKAGE**  
**UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
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Electrified hardware coordination		1	ls	\$25,000.00	\$25,000
Temp doors		1	ls	\$4,800.00	\$4,800
Temp door protection		1	ls	\$20,000.00	\$20,000
Grouting of frames		1	ls	\$8,250.00	\$8,250
<b>Subtotal: Interior Doors</b>					<b>\$586,800</b>

<b>Subtotal: 08100-Doors Frames Hardware</b>					<b>\$586,800</b>
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**09260-Drywall**

**Interior Partitions**

Nevell Group - Drywall Subcontract		1	ls	\$6,101,000.00	\$6,101,000
Supplemental backing at metal panels		1	ls	\$50,000.00	\$50,000
Removal / patching of drywall due to trade coordination		1	ls	\$25,000.00	\$25,000
<b>Subtotal: Interior Partitions</b>					<b>\$6,176,000</b>

<b>Subtotal: 09260-Drywall</b>					<b>\$6,176,000</b>
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**09300-Tile**

**Wall Finishes**

Inland Pacific Tile - Subcontract		1	ls	\$354,900.00	\$354,900
Float floor at all tile		1	ls	\$27,500.00	\$27,500
Prep at walls to comply with aesthetic intent		1	ls	\$30,000.00	\$30,000
<b>Subtotal: Wall Finishes</b>					<b>\$412,400</b>

<b>Subtotal: 09300-Tile</b>					<b>\$412,400</b>
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**09400-Terrazzo**

**Flooring**

Corradini - Subcontract		1	ls	\$120,450.00	\$120,450
Temp Protection		1	ls	\$6,975.00	\$6,975
Transitions & reducers		1	ls	\$4,500.00	\$4,500
Temp power provisions		1	ls	\$5,000.00	\$5,000
Protection of surrounding areas		1	ls	\$8,500.00	\$8,500
<b>Subtotal: Flooring</b>					<b>\$145,425</b>

<b>Subtotal: 09400-Terrazzo</b>					<b>\$145,425</b>
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**09510-Acoustical Ceilings**

**Suspended Ceiling Construction**

Coustic-Glo - Subcontract		1	ls	\$774,775.00	\$774,775
Misc. repair to ceiling grid		1	ls	\$8,000.00	\$8,000
Move-ins for tiles after commissioning		1	ls	\$5,500.00	\$5,500
IT cable pulls		1	ls	\$5,500.00	\$5,500
Caulking at acoustical conditions		1	ls	\$5,000.00	\$5,000
<b>Subtotal: Suspended Ceiling Construction</b>					<b>\$798,775</b>

<b>Subtotal: 09510-Acoustical Ceilings</b>					<b>\$798,775</b>
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# DETAILED BACKUP

Glendale Community College - New  
Glendale, CA

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**WBS 3  
BID PACKAGE  
UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
-------------	----------	----------	------	-----------	-------

**09670-Epoxy Flooring**

Flooring					
CIR - Subcontract		1	ls	\$370,880.00	\$370,880
Mockup		1	ls	\$5,000.00	\$5,000
<b>Subtotal: Flooring</b>					<b>\$375,880</b>

**Subtotal: 09670-Epoxy Flooring**

**\$375,880**

**09680-Flooring**

Flooring					
M.S. Rouse - Subcontract		1	ls	\$482,200.00	\$482,200
Polished concrete flooring		1	ls	\$11,500.00	\$11,500
Additional / Heavy floor prep		1	ls	\$10,000.00	\$10,000
Stair nosings		1	ls	\$18,000.00	\$18,000
Trade damage		1	ls	\$9,500.00	\$9,500
<b>Subtotal: Flooring</b>					<b>\$531,200</b>

**Subtotal: 09680-Flooring**

**\$531,200**

**18000-Allowances**

Allowances					
High Impact Drywall Allowance		1	ls	\$200,000.00	\$200,000
So Cal gas service from Verdugo to NSB Allowance		1	ls	\$50,000.00	\$50,000
Vapor Emissions Treatment Allowance		1	ls	\$150,000.00	\$150,000
<b>Subtotal: Allowances</b>					<b>\$400,000</b>

**Subtotal: 18000-Allowances**

**\$400,000**

**Subtotal: 3. April Board Mtg Package** **\$13,404,256**

**4. May Board Mtg Package**

**02730-AC Paving**

Parking Lots					
Western Paving - Subcontract		1	ls	\$189,129.00	\$189,129
Patching at campus way		1	ls	\$8,500.00	\$8,500
Misc. slurry at adjacent areas		1	ls	\$5,000.00	\$5,000
Phase patching		1	ls	\$5,000.00	\$5,000
<b>Subtotal: Parking Lots</b>					<b>\$207,629</b>

**Subtotal: 02730-AC Paving**

**\$207,629**

**06220-Casework & Millwork**

Fixed Furnishings					
Spooner's - Subcontract		1	ls	\$404,820.00	\$404,820
Metal paneling above elevator doors		1	ls	\$12,000.00	\$12,000
<b>Subtotal: Fixed Furnishings</b>					<b>\$416,820</b>



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**WBS 3  
BID PACKAGE  
UNIFORMAT 3**

DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
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Subtotal: 06220-Casework & Millwork	<b>\$416,820</b>
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**08300-Smoke Guard Doors**

**Interior Doors**

Smoke Guard - Subcontract	1	ls	\$273,551.00	\$273,551
Power and fire alarm coordination	1	ls	\$20,000.00	\$20,000
<b>Subtotal: Interior Doors</b>	<b>\$293,551</b>			

Subtotal: 08300-Smoke Guard Doors	<b>\$293,551</b>
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**08800-Glass & Glazing**

**Interior Windows**

Aragon Construction - Interior Subcontract	1	ls	\$864,325.00	\$864,325
Misc. glass breakage	1	ls	\$8,500.00	\$8,500
<b>Subtotal: Interior Windows</b>	<b>\$872,825</b>			

Subtotal: 08800-Glass & Glazing	<b>\$872,825</b>
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**09900-Painting & WC**

**Wall Finishes**

Bonas - Subcontract	1	ls	\$339,592.00	\$339,592
Unidentified trade damage	1	ls	\$10,000.00	\$10,000
Misc. flashing	1	ls	\$7,500.00	\$7,500
Paint at penthouse walls and doors	1	ls	\$15,000.00	\$15,000
Exposed ceiling touch-ups / protection	1	ls	\$30,000.00	\$30,000
<b>Subtotal: Wall Finishes</b>	<b>\$402,092</b>			

Subtotal: 09900-Painting & WC	<b>\$402,092</b>
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**10000-Specialties**

**Interior Specialties**

Seamless Care - Misc. Specialties Subcontract	1	ls	\$95,267.00	\$95,267
FRP	1	ls	\$12,000.00	\$12,000
Conduit and boxes for 2-way comms.	1	ls	\$5,000.00	\$5,000
<b>Subtotal: Interior Specialties</b>	<b>\$112,267</b>			

Subtotal: 10000-Specialties	<b>\$112,267</b>
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**10150-Partitions & Accessories**

**Interior Specialties**

Seamless Care - Toilet Partitions - Subcontract	1	ls	\$107,121.00	\$107,121
OFCI Coordination	1	ls	\$5,000.00	\$5,000
<b>Subtotal: Interior Specialties</b>	<b>\$112,121</b>			

Subtotal: 10150-Partitions & Accessories	<b>\$112,121</b>
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<b>BID PACKAGE</b>						
<b>UNIFORMAT 3</b>						
<b>DESCRIPTION</b>	<b>COMMENTS</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL</b>	

**10400-Signage**

**Interior Specialties**

A Good Sign - Subcontract	1	ls	\$37,075.00		\$37,075
Bldg ID support and lighting	1	ls	\$7,500.00		\$7,500
<b>Subtotal: Interior Specialties</b>					<b>\$44,575</b>

**Subtotal: 10400-Signage**

**\$44,575**

**10650-Operable Partitions**

**Interior Partitions**

Partition Specialties - Subcontract	1	ls	\$73,865.00		\$73,865
Trade coordination w/ RCP and steel	1	ls	\$3,500.00		\$3,500
Drill steel channel for threaded rod	1	ls	\$2,500.00		\$2,500
<b>Subtotal: Interior Partitions</b>					<b>\$79,865</b>

**Subtotal: 10650-Operable Partitions**

**\$79,865**

**10670-Storage Shelving**

**Interior Specialties**

Gatehouse - Subcontract	1	ls	\$81,405.00		\$81,405
Patch flooring	1	ls	\$2,500.00		\$2,500
<b>Subtotal: Interior Specialties</b>					<b>\$83,905</b>

**Subtotal: 10670-Storage Shelving**

**\$83,905**

**12490-Window Treatment**

**Fixed Furnishings**

Phillip's Draperies - Subcontract	1	ls	\$145,960.00		\$145,960
Caulking and sealants	1	ls	\$4,500.00		\$4,500
Backing coordination	1	ls	\$5,000.00		\$5,000
<b>Subtotal: Fixed Furnishings</b>					<b>\$155,460</b>

**Subtotal: 12490-Window Treatment**

**\$155,460**

**12600-Multiple Seating**

**Fixed Furnishings**

Sedia Systems - Subcontract	1	ls	\$118,308.00		\$118,308
Electrical coordination for power and USB	1	ls	\$5,000.00		\$5,000
<b>Subtotal: Fixed Furnishings</b>					<b>\$123,308</b>

**Subtotal: 12600-Multiple Seating**

**\$123,308**

**14400-Dumbwaiters & Lifts**

**Vertical Conveying Systems**

T.L Shield & Associates - Subcontract	1	ls	\$328,968.00		\$328,968
Wheelchair lift per specs - Symmetry	1	ls	\$20,000.00		\$20,000
<b>Subtotal: Vertical Conveying Systems</b>					<b>\$348,968</b>



# DETAILED BACKUP

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Construction Area: 115,570 SF

WBS 3 BID PACKAGE UNIFORMAT 3						
DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL	
Subtotal: 14400-Dumbwaiters & Lifts						<b>\$348,968</b>
18000-Allowances						
Allowances						
Extend CW Piping (Previously in CUP Budget)		1	ls	\$350,000.00	\$350,000	
Subtotal: Allowances						<b>\$350,000</b>
Subtotal: 18000-Allowances						<b>\$350,000</b>
19200-General Requirements						
Project Requirements						
Traffic Control Permits		1	ls	\$300,000.00	\$300,000	
Traffic Control Setup and Maintenance		1	ls	\$150,000.00	\$150,000	
General Requirements - Balance		1	ls	\$1,312,455.00	\$1,312,455	
Subtotal: Project Requirements						<b>\$1,762,455</b>
Subtotal: 19200-General Requirements						<b>\$1,762,455</b>
Subtotal: 4. May Board Mtg Package						<b>\$5,365,841</b>
WBS 3 SUBTOTAL						<b>\$79,682,399</b>



## QUALIFICATIONS - GMP

MAY 5, 2021

This qualifications narrative presents a written explanation clarifying the assumptions, exclusions and other bases used in developing the price and schedule for the scope of work defined in the Guaranteed Maximum Price (GMP). Qualifications noted in this document are intended to supplement the Contract Documents and clarify for discussion DPR's understanding of any identified conflicting or incomplete scope or design items.

Notwithstanding anything to the contrary, prior to the execution of the final GMP, the parties will review all trade bid packages for any duplication of costs between all bid packages and, if found, will amend the Agreement as applicable to deduct identified and agreed duplicated costs.

In light of current events regarding COVID-19, DPR and its Subcontractors will be implementing specific "COVID-19 Jobsite Protocols" as defined in Bid Document Exhibit 19 Disease Outbreak Jobsite Protocols through 12/31/2021. These protocols are intended to comply with all known guidelines and orders issued by any Authority Having Jurisdiction as of 1/1/2021. DPR's GMP pricing includes the costs and time associated with complying with the current COVID-19 Jobsite Protocols through 12/31/2021.

Revised, new or additional government orders, directives, laws, or regulations, or additional measures arising from a Contractor safety determination due to changing conditions, may cause additional costs or schedule impacts beyond those associated with the current COVID-19 Jobsite Protocols. If any cost or time impacts arise due to such required changes to the COVID-19 Jobsite Protocols, the parties will negotiate in good faith to ascertain if an equitable adjustment in the Contract Time and Contract Price is warranted and in what amount.

Any cost or time impacts due to implementing the COVID-19 Jobsite Protocols after 12/31/2021 will require an equitable adjustment in the Contract Time and Contract Price. The costs associated with the required 14 day paid leave for DPR Employees for positive COVID-19 test results as required per CA AB 186 are not included.

## General Qualifications

### CONTINGENCIES

The following project contingency funds are established as detailed below.

1. *Design Development Contingency:* Design Development Contingency is Excluded from the GMP.
2. *Construction Contingency:* Construction Contingency (at 3%) is included in the GMP price as defined in the Master Agreement for Construction Management Services "At Risk". This amount is a percentage of



the value of the GMP, and will increase in subsequent Package releases as a percentage of the increased Contract value.

3. *Escalation*: Escalation is excluded from the GMP Price.
4. *Cost to Complete Budgets*: Budgets have been carried withing the Contract Price to complete specific scopes of work. These budgets are for scopes of work that are anticipated to be required to fully complete a scope of work, but are either difficult to quantify at bid time or require additional coordination and definition to accurately price. These budgets are not included with the trade contractors price at the time of contract award. DPR will maintain a log of all cost to complete budget expenditures during the project and review this with the Project Manger and Owner as part of the monthly application for payment process. At the completion of the project, if the costs expenditure exceed the cost to complete budgets and any remaining construction contingency, and increase to the GMP will not occur. If at the completion of the project, the cost expenditures are under the cost to complete budgets and any remaining contingency, savings will be returned to the Owner.

**OWNER CONTROLLED ALLOWANCES**

The Contract Price includes Owner Controlled Allowances to be utilized during construction at the sole discretion and direction of the Owner. Detailed pricing will be submitted as an Owner Controlled Allowance Expenditure Authorization Request, in a form acceptable to the Owner, for review and written approval by the Owner. A distinct tracking log will be established for all Owner Controlled Allowance expenditures and a current copy will be provided with any submitted Owner Controlled Allowance Expenditure Authorization request. Any funds remaining in the Owner Controlled Allowances at the completion of the project will be returned to the Owner.

Owner Controlled Allowance Item and Description	Amount Included (Direct Cost)
GCC – Owner Controlled Allowances	\$3,250,000

**ALLOWANCES INCLUDED IN THE PRICE**

As defined in the Master Agreement for Construction Management Services “At Risk”.

Allowance Item and Description	Amount Included (Direct Cost)
1. Repairs / restoration of public sidewalks / streets	\$50,000
2. Exterior façade mockup	\$75,000
3. Additional misc. supports required by point cloud coordination (per BIM Services clarifications below)	\$150,000
4. Design/structural engineering of tower crane and manlift foundations	\$15,000
5. Millwork repair/replacement due to climatization Issues	\$50,000
6. Steel plate in plumbing shaft per plumbing note 1/P2.02	\$75,000
7. SoCal Gas Service from Verdugo to NSB	\$50,000



8. High Impact Drywall – pending RFI response	\$200,000
9. Slab Vapor Emissions Treatment	\$150,000
10. Design / structural engineering of tower crane and manlift foundations	\$15,000
11. Extend CW Piping. Previously in CUP budget	\$350,000

**ALTERNATES**

“Alternates” are an allotted sum of money included for a system or scope of work which may be added to or deleted from the Estimate. The following items can be added or deducted as applicable from the scope of work at the direction of the Owner through executed Change Order Request which will then be incorporated into a future project Change Order. Add/Deduct Alternates are inclusive of overhead, profit and insurance.

Alternate Item and Description	Add/(Deduct)	Amount
1. NOMMA #3 in lieu of NOMMA #1 welds at exterior galvanized railings and metal gate.	Deduct	(\$45,000)

**OFOI / OFCI / CFCI ITEMS**

The matrix below is intended to clarify the Scope of Work related to Owner Provided- Owner Installed (OFOI), Owner Provided- Contractor Installed (OFCl), and Contractor Provided – Contractor Installed (CFCI) items included in the GMP. DPR has not included any costs whatsoever for OFOI items, except in cases where infrastructure (i.e. power, backing, etc.) is clearly shown in the contract documents. DPR has included labor for installation of OFCI items. All management services and costs to purchase, ship, unload, uncrate, and verify items are as-ordered is not included in DPR’s installation cost and assumed to be by GCC. Any other FF&E item not listed below has not been included in the GMP and is assumed to be by GCC.

Item	OFOI	OFCl	CFCI	Comments
1. Police Blue Box (call boxes) Relocation	X			
2. Fiber Glass Planters			X	Planters at 4 <sup>th</sup> floor terrace are included in landscaping cost as specified in landscape plans.
3. Trash receptacles	X			
4. Bike Racks	X			
5. Outdoor tables and seating.	X			
6. Table Umbrellas	X			
7. Outdoor Chairs	X			
8. Outdoor barstools	X			
9. Drip Irrigation System			X	Included as shown in landscape plans.
10. Bar Table	X			
11. Signage			X	We have included signage per plans and specs only.
12. Donor Wall Placards	X			



13. Whiteboards	X			
14. Projectors	X			
15. Projector Mounts			X	
16. Projector Screens	X			
17. Toilet Accessories (sanitary napkin dispensers, paper towel and soap dispensers)		X		
18. Restroom trash receptacles	X			
19. Mobile instructor stations	X			
20. Instructor seating	X			
21. Student lab stools & student seating	X			
22. Window shades and blinds			X	
23. Tackboards	X			
24. Exterior sun control devices				NIC – Not Applicable to this project
25. Entrance mats			X	
26. Loose laboratory equipment	X			
27. Refrigerator w/ double sliding door		X		Install of 5 included.
28. VWR refrigerator/freezer		X		Install of 6 included.
29. Thermo Scientific Revco High Performance Refrigerator		X		Install of 1 included.
30. Thermo Scientific GP series Lab Freezers		X		Install of 2 included.
31. Full size freezer		X		Install of 1 included.
32. Thermo Scientific Forma 900 -86 degree lab freezers		X		Install of 1 included.
33. Thermo Scientific Revco High Performance Lab Freezers		X		Install of 1 included.
34. Telephones and teleconferencing equipment	X			
35. Laboratory glassware washers.		X		
36. Laboratory Sterilizers (Autoclave machine)		X		
37. Computers	X			
38. Monitors	X			
39. Laptop docking station	X			
40. Movable laptop cabinets		X		Install of 1 included.
41. Freestanding light fixtures	X			
42. Clocks, filing cabinets, printers	X			
43. Office Furniture	X			
44. Conference tables	X			
45. Microwaves	X			
46. Double stack rock storage cabinets	X			
47. 2'0" deep solid phenolic wall shelf (SC-104)	X			
48. Lab large flat screen monitors	X			
49. Lab Experiment boxes	X			
50. Large Globe	X			
51. Heavy duty utility carts	X			
52. Autoclave carts	X			



53. Ice maker w/ drain pumps	X			
54. Drying oven		X		Install of 6 included.
55. Undercounter rotovap units		X		Install of 3 included.
56. Telescopes, microscopes	X			
57. Tall lista cabinets	X			
58. Document cabinets	X			
59. Map drawers	X			
60. Aquarium tank	X			
61. Touch tank / Quarantine tank	X			
62. Floor mounted reptile enclosures	X			
63. Herbarium cabinets	X			
64. 6' Biosafety cabinets			X	
65. Incubators	X			
66. Water polisher, CO2 gas cylinders, dry ice bins	X			
67. Benchtop NMR	X			
68. Podium & AV Podium	X			
69. Balances	X			
70. Instructor tables	X			
71. Student tables	X			
72. Safety showers / emergency eyewash			X	
73. Baja Room Items: Lockable shelving units for AV / electronics, open shelving, file cabinets, display shelving	X			
74. Lecture Hall acoustic paneling coverings	X			Acoustic panels are included in construction cost as CFCI. Custom covering/finish is OFOI.
75. Standard lecturn stands	X			

**DELEGATED DESIGN WITH DEFERRED APPROVAL REQUIREMENTS**

DPR has identified in the Plans and Specifications the following items of scope for which design responsibility has been delegated to DPR by the designer of record and deferred approvals are required of that scope of work. DPR's scope of work, the Contract Price, the Contract Time and our Project schedule exclude all other items of delegated design with differed approval requirements:

Item of Delegated Design with Deferred Approval Requirements
1. Exterior Curtainwall System
2. Elevator and Dumbwaiter Guiderail Supports

DPR excludes any professional responsibility for providing appropriate design criteria for the delegated design with deferred approval requirements items listed above. DPR likewise excludes any obligation to integrate, connect and coordinate these items of delegated design with deferred approval requirements with the rest of the Project's design. These are obligations that must be retained by the Owner's Architect or lead designer of



record. Despite anything contrary in the Contract Documents, any requirement of the professional services or work product of DPR or its subcontractors to meet a particular requirement, metric or outcome are interpreted to mean that those professional services or work product are only required to meet the industry standard of care regarding that requirement, metric or outcome.

Submittal of documents for delegated design items with deferred approval requirements shall be submitted to the authority having jurisdiction for review and approval by the Architect of Record, and not by DPR, the individual subcontractor or consultant.

**DELEGATED DESIGN**

DPR has identified in the Plans and Specifications the following items of scope for which design responsibility has been delegated to DPR by the designer of record. DPR's scope of work, the Contract Price, the Contract Time and our Project schedule exclude all other items of delegated design:

Items of Delegated Design
1. Electrical Scope of work: Delegated design items listed on E0.02- items D1, D3, D4, D5, D6, D7, D9 (Items D2, D8 and F are specifically excluded)
2. Delegated design submittals for trapeze hangers per spec section 21 05 29.
3. Delegated design submittals for each vibration isolation and seismic-restraint device per spec section 21 05 48.
4. Delegated design for restraints and anchors for natural-gas piping and equipment per spec section 22 11 18.
5. Delegated design submittals for each anchor and alignment guide per spec section 23 05 16.
6. Delegated design submittals for trapeze hangers per spec section 23 05 29.
7. Delegated design submittals for HVAC power ventilator unit hangers or supports as per spec section 23 34 23.
8. Delegated duct construction including sheet metal thickness, seam and joint construction per spec section 23 31 13.
9. Delegated design submittals, materials, fabrication assembly, and spacing of hangers and supports for air terminal units per spec section 23 36 00.

DPR excludes any professional responsibility for providing appropriate design criteria for the delegated design items listed above. DPR likewise excludes any obligation to integrate, connect and coordinate these items of delegated design with the rest of the Project's design. These are obligations that must be retained by the Owner's Architect or lead designer of record. Despite anything contrary in the Contract Documents, any requirement of the professional services or work product of DPR or its subcontractors to meet a particular requirement, metric or outcome are interpreted to mean that those professional services or work product are only required to meet the industry standard of care regarding that requirement, metric or outcome.

Delegated design elements will be submitted to the design team for review and approval through the normal submittal process. Approved submittals will be available for the IOR's use at the project site but will not be



resubmitted to DSA for approval. The contract price, contract time and schedule exclude any submission to DSA as a deferred approval.

## BIM SERVICES

1. DPR BIM Services included in the Price are based on the Architect's and Engineers' timely and orderly delivery of the associated BIM scope of services per Owner/Architect agreement and as to the scope previously agreed to with the Owner and as referenced in the Contract Documents. Architect is responsible for updating the architectural model throughout coordination with any changes resulting from coordination. Architect and engineers are responsible for timely communication of design changes and model modifications once trade coordination has commenced.
2. Clash detection and coordination services generated from BIM Models will strive to eliminate most of the conflicts that may otherwise arise during field construction for those scopes that are sufficiently detailed in the BIM model. Clash detection and coordination services may not detect all clash and coordination issues, especially those scopes not sufficiently detailed, and may result in some change orders or use of contingency per Contract Documents. Effective performance of clash detection and coordination services requires participation from project Architect and their Engineers/consultants. Adequate time shall be allowed within the Design Schedule to perform these services. Refer also to the BIM Execution Plan made a part of the CMAR agreement as Exhibit A.
3. All Subcontractors that the Owner requires DPR to contract with, or any owner controlled contractors or vendors working on the project prior to turnover (if any) will be held to and follow the latest project BIM Execution Plan and associated coordination schedule.
4. Detail 3 on S0.60 deals with supports for MEPF systems from the structure. Other criteria is provided on individual MEPF drawings related to hanging systems from structure. Specific to this Detail 3, is a note that reads "GC to coordinate point loads from MEP disciplines and ensure that point loads are within the maximum limit as per the schedule." DPR has included the cost in our BIM / VDC pricing related to creating a composite point load document from all individual MEPF disciplines. DPR assumes that the current design has taken into account the routing of MEPF systems, as indicated on the current documents, can be supported by the structure. We have not included costs or schedule duration where the findings of the composite point load may require rerouting of MEPF or added structural support systems to resolve the composite loading criteria. Until the effort has been completed in the BIM / VDC effort these impacts cannot be known to bidders.

## INSURANCE PROGRAM

- 1) The following insurances have been included within the Price:
  - a) Contractor's Insurance
    - i) Traditional insurance
  - b) Subcontractor Default Insurance



- 2) We have included the costs for DPR to purchase Builder's Risk coverage. Contractor's Builder's Risk insurance cost is fixed at the stipulated rate of 0.505 percent (0.505%) times the contract value. The charge for builder's risk insurance cost is in addition to the charge for Contractor's insurance and is due and payable in full upon Contractor's binding of the policy. The amount for builder's risk insurance will be adjusted based on adjustments to the contract value and / or schedule of Contractor's performance.
- 3) We have included the costs for DPR to purchase Payment & Performance Bonds. Contractor's cost to provide payment and performance bonds for the Project is fixed at the stipulated rate of 0.467 percent (0.467 %) times contract value. The initial charge for the bonds shall be based on the estimated contract value and is due and payable in full upon issuance of the bonds. The charge for the bonds will be adjusted based on adjustments to the contract value and/or schedule of Contractor's performance.
- 4) This price is predicated on DPR providing insurance that shall be reimbursed by the Owner in accordance with the Contractor's Fixed Rates Exhibit B of the Master Agreement for Construction Management Services "At Risk" document.

### INTELLECTUAL PROPERTY RIGHTS

1. Despite anything else in the Contract Documents, DPR and its subcontractors each retain ownership and all common law and statutory rights to own and use its respective proprietary intellectual property that it independently developed without reference to Owner's specific business practices, designs or processes. However, DPR grants Owner a limited, nonexclusive, royalty-free, perpetual license to use and reproduce any proprietary intellectual property that DPR and its subcontractors provide for the Project, but the license is solely for use in the Project and its future operation, maintenance and renovation and is not transferrable to other parties without DPR's prior written consent. This license may be revoked upon written notice if DPR is not paid in accordance with the Contract Documents. Without limiting any confidentiality obligations under DPR's contract with Owner, Owner grants Contractor a non-exclusive, royalty-free, revocable license to use any photos, videos or other media created by DPR or its Subcontractors during the course of the Project when the copyright of such media is owned by Owner, including for publicity, education and advertising the subject matter of which does or might bring discredit to Glendale College, including any film production which contains immoral, obnoxious, obscene, or injurious material or is subversive in any way.

### BILLING RATES & COMMERCIAL TERMS

1. Monthly invoicing process will allow for processing of invoices and payment to Trade Contractors for stored materials. Due to the tight constraints of the site this is a particularly pertinent issue. This can include, but not be limited to, steel, HVAC equipment, electrical gear, lights and lab casework and furniture. Protocols will be established, with reasonable terms to satisfy the College for this process.
2. Elevator Subcontractor Specific Payment Terms:
  - a. Design/ Engineering / Material Procurement – 35% billed upon award. Due in 30 days or prior to release of factory orders, whichever occurs first.
  - b. Factory Materials – 40% billed the month before shipment occurs.
  - c. Installation Labor – 25% billed each month as work progresses.
  - d. Retention – 5% Due 30 days after turnover of equipment.



**RELATED PARTIES DISCLOSURE:**

1. vConstruct is a technology based support contractor that is related to DPR and may be used for specific Project services and BIM services support.
2. OES (also dba Spec 8) is a rental and supply company that is related to DPR and may be used on the Project.
3. VueOPS is a technology platform that is related to DPR and may be used for finding construction turnover documents and managing construction warranty events.

**GENERAL CONDITIONS:**

The General Conditions included in this GMP do not include the work associated with Phase 2 sitework and Arroyo Seco Demolitions and are based upon the duration of work included in Exhibit “G” – Project Schedule. The General Condition costs included in this GMP is a lump sum amount. Construction Contingency funds will not be used to fund cost overruns in the General Conditions. If the project is delayed and the cause of the delay is beyond DPR’s control, DPR reserves the right to pursue additional general conditions compensation per the terms of the contract.

## Basis of Estimate

**GENERAL QUALIFICATIONS, CLARIFICATIONS, AND EXCLUSIONS**

Please note the following general qualifications, clarifications, exclusions, and assumptions on which the Estimate are based.

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**General Qualifications & Clarifications**

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1. These Qualifications are integral to the Contract Price:
  - a. Titled: **Glendale Community College – New Science Building – GMP.**
  - b. Dated 5/5/2021
2. The Price is based upon the following documents:

Refer to Exhibit “H” – List of Contract Documents.
3. This is not a line item GMP, and unused amounts within the budget of any line item may be used at Contractor’s sole discretion to offset overruns in other line items.
4. This GMP price is predicated on DPR rates that shall be reimbursed by the Owner in accordance with the Contractor’s Fixed Rates Exhibit B of this document, and subject to year by year increases.
5. All Subcontractors that the Owner requires DPR to contract with, or any owner controlled contractors or vendors working on the project prior to turnover (if any) will be held to and follow the latest DPR Construction EH&S, safety policies and procedures and must meet or exceed all DPR Insurance requirements for subcontractors.
6. This GMP price is predicated upon GCC obtaining the required air rights as necessary to use our tower crane for construction and as indicated in our attached site logistics plan.



7. We anticipate being able to complete the tower crane set-up and completion of the project without relocating the overhead power lines on Verdugo. If relocations become necessary, this will be completed as a change order to the project.
8. This GMP is predicated on obtaining a traffic lane closure as indicated in our attached Site Logistics Plan.
9. LEED requirements have not been identified for the project. Costs for management of this is not included.
10. Interior work will commence prior to finalizing a fully watertight enclosure.
11. Adverse weather conditions include any weather event, including high winds, that results in delays to the critical path of the project. An allowance of 30 days is included in the contract for adverse weather events.
12. Glendale Community College will be responsible for all noise **and vibration** abatement and mitigation measures associated with the normal operations of the construction process. This includes Campus buildings and adjacent residential and commercial operations. DPR will coordinate the efforts the College may employ to mitigate noise and vibration at adjacent buildings and properties.
13. The College acknowledges and approves of the use of the Campus to construct the project as indicated on the Site Logistics Plan.
14. The College acknowledges that DPR will connect to the power switch that is intended for the permanent power as indicated on E1.00. DPR will add conduit and wire to this run, and from this same source, for the temporary power during construction. This use will be approximately 1,200 Amps. The College will pay for the power consumption that will occur as a part of this work.
15. In lieu of having to design a temporary storm water diversion and collection system during construction, DPR will utilize the new storm drain system to collect storm generated runoff and capture in the new Biofiltration / Filtera system. The College acknowledges this use during construction. As a part of the General Requirements of the project DPR forces will periodically clean out and maintain this system. Accordingly, the warranty for this system will begin at the time it starts receiving storm water runoff.
16. Completion of the project is predicated on supply of adequate Chilled Water to the HVAC systems of the New Science Building. The College has a separate project to supply this Chilled Water to the New Science Building. Any delay in that separate project in proving the Chiller Water will result in a schedule delay.
17. The GMP includes Phase 1 Work only. Because there is a gap between Phase 1 and Phase 2 work, Phase 2 will be bid/priced later and will be handled as a separate GMP package and project. Closeout documentation, warranties, and retentions for phase 1 will be completed/released as the completion of Phase 1 work.
18. In an effort to avoid significant cost and schedule impacts, the casework and millwork will be installed in the building prior to the space being fully climatized as required by the specifications. An allowance for “Millwork repair/replacement due to climatization Issues” has been included in the price.
19. This GMP is based on all OFCI/OFOI furniture/materials will be packaged to fit within the elevator.
20. An Allowance has been included for SoCal Gas service to the building from Verdugo.
21. The cost of work associated with Addendum #1 and #2 are not included in the GMP Construction costs and will be processed against the Owner Controlled Allowance.
22. This GMP is based on the DSA submission drawings/documents as enumerated in “Exhibit H – List of Contract Documents”. The cost of work associated with final DSA Approval Documents are not included in the GMP Construction costs and will be processed against the Owner Controlled Allowance.
23. A portion of the Chilled Water line scope of work will be shifted from the CUP project to the NSB project. We have included an Allowance for this above.



24. DPR assumes all equipment for the project has been specified to be compliant to UL and US standards. DPR will not be responsible for systems and equipment that does not comply and is rejected by DSA or IOR.

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### General Exclusions

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25. State and Local Taxes.
26. MBE/WBE/SBE/DVBE requirements have not been identified and are excluded.
27. Design fees.
28. Builder's Risk Deductibles.
29. Permits and fees, including plan check fees and/or expeditors.
30. Utility permit & connection fees (i.e. Domestic Water, Sanitary Sewer, Storm Drain, Fire Water, Electrical, Gas).
31. Consumption costs for power & water, including during construction.
32. Tax exempt provisions, including accounting and documentation.
33. All contaminated or hazardous materials, conditions, and associated work or impacts (including delays and delay damages) not expressly included in the Work of the Contract.
34. Differing subsurface or concealed conditions
35. Premium and Overtime provisions. All work has been provided on regular hours, with the exception of the overtime costs included for the tower crane and hoist operation and as otherwise specifically identified in this package.
36. Furniture, fixtures and equipment.
37. Backing/blocking for FF&E and OFOI items unless specifically shown on the contract documents.
38. Structural Upgrades.
39. All inspections, including 3<sup>rd</sup> Party Testing & Inspections.
40. 3<sup>rd</sup> Party Commissioning.
41. Auditing and monitoring of existing structures and roadways for movement or changes in condition.
42. All Phase 2 Work.
43. Preconstruction Services are excluded from this price.
44. All Design work unless specifically identified in the 'Delegated Design with Deferred Approval Requirements' or "Delegated Design" section above.
45. Informational and wayfinding signage within existing buildings or Campus grounds required as a result of construction operations.
46. All work and schedule impacts associated with the fire water line modifications per RFI #112.

## SCOPE SPECIFIC QUALIFICATIONS, CLARIFICATIONS, AND EXCLUSIONS

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### 01 – Demolition & Sitework

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Assumptions / Clarifications:

47. Demolition work is limited to the Phase 1 area only.

48. We have included over-excavation of the building per the geotechnical report and structural drawings only, with over-excavation depth measured from existing or finished grade (whichever is greater). Over-excavation to bottom of pile caps is not included.
49. We assume that the tie back design of the shoring system has taken into account all adjacent structures for clearance. We have not included any deep potholing activities to verify this.
50. Site concrete is based on using a 4000 PSI normal weight aggregate mix design.
51. We have included costs for NOMMA #1 welds at exterior railings only per spec section 05 52 00, however there are concerns with this design criteria working with galvanized metal. We recommend NOMMA #3 welds at these railings (see alternate above).
52. Current Phasing drawings do not show a clear ADA path into the front of the building. The G1.11 drawing indicates the post Phase 2 path into the building. At the time of Substantial Completion and planned occupancy of the building, the ADA path of travel will not be in place and may impact DSA approval of the occupancy.

Exclusions:

53. Demolition of Phase 2 area including Arroyo Seco Building and Santa Barbara Building.
54. Hazardous material abatement, including hazardous soils removal.
55. Relocation of utilities not shown on drawings.

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## 02 – Concrete and Reinforcing Steel

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Assumptions / Clarifications:

56. We have assumed that we can stockpile foundation spoils on site in a designated area of parking lot B. We have included fencing and sandbags at this area.



57. For composite decks, we have included pouring concrete to the thicknesses specified in the bid documents. We cannot guarantee Ff/FI values specified in the bid documents, due to the complexity of the system (i.e. cambering of beams).
58. In situations where the architectural and structural drawings conflict, price is based on the structural drawings.
59. Site walls are made up of a combination of shotcrete and pour in place concrete. These will not have the same finish. We have included sacking these walls.

Exclusions:

60. Testing or inspection (other than furnishing of certified mill test reports).
61. Galvanized and/or epoxy coated bars or accessories.
62. Thermal control of mass concrete.

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**03 – Building Shell (Structural Steel, Waterproofing, Plaster, Sheet Metal, Curtainwall)**

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Assumptions / Clarifications:

63. We have assumed we will be able to weld rebar couplers to column flanges in lieu of shop welding full length rebar per detail 1/S3.02.
64. We have assumed primary and secondary beams at areas without ceilings (exposed structure) to be fireproofed with cementitious fireproofing and not intumescent paint.
65. Due to manufacturer recommendations, panel joint spacing may differ from current design elevations. This will be coordinated during shop drawing process.
66. Plaster control joints are included per the exterior elevations. We have not confirmed or accounted for additional control joints if certain components shown do not meet industry standard / recommendation for CJs at less than 144sf maximum.
67. For the curtainwall system, we have not included any upgrades or reinforcement of the existing structure to accommodate loads of the curtainwall system. Deferred submittal includes the design & engineering of the attachments of the curtainwall system to the building only.

Exclusions:

68. Cantilevered pipe strongbacks (1/S4.02). These were not found in drawings.
69. 2% allowance for misc. steel per note 26/S0.02.
70. Slide bearings per note 25/S0.02. These were not found in drawings.
71. ASTM 1085 material per note 3/S0.02.
72. Plaster fog coat (identified in the spec. but N/A for acrylic finish system).
73. Heat soak testing of tempered glass.
74. Bird Deterrence.
75. Deferred submittals for Storefront Systems.

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**04 – Building Interiors**

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Assumptions / Clarifications:

76. High Impact drywall is referenced in spec. section 09 29 00, but locations are not identified in the drawings. We have included an allowance for this above.
77. Batt Insulation attachment at the underside of the penthouse deck per spec. section 07 21 13 using stick pins and lock washers (industry standard), not per detail 16/A10.16 which shows hanger wire and metal straps.
78. Batt insulation fasteners at 36" o.c. per spec section 07 21 00 -3.02J are not required per manufacturer recommendations. We have not included these fasteners and have assumed friction fitting of in-wall batt insulation.
79. Terrazzo flooring is included at level 1 only per RFI responses. Levels 2-5 common areas are assumed to be ¼" epoxy flooring (EF1 & EF2).
80. Toilet accessories at all locations are to be OFCI per matrix above.

Exclusions:

81. Cantilevered pipe strongbacks (1/S4.02). These were not found in drawings.
82. POE / Electrified Hardware and integration.



- 83. Floating / ardex of floors below finished flooring.
- 84. Paint at Plaster. Plaster to have integrated color.
- 85. Self Illuminous Exit signs. No location called out on the plans.
- 86. Directories and Bulletin Boards.
- 87. Paint at Penthouse Ceiling.

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## 05 – Conveying (Elevators)

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### Assumptions / Clarifications:

- 88. Elevators
  - a. One Elevator will be in operation with an operator full time during construction to close exteriors and complete interiors.
  - b. We do not currently have the deferred approval of the elevator guiderail attachments captured in our GMP. Further scope clarification required.
- 89. Project Specifications based on a TKE elevator. Selected bidder is Otis, so certain aspects of the elevator will differ from the TKE basis. These include, but are not limited to controls, ceilings, dimensions and other finishes. Pricing is based on the Otis system with comparable features, and these differences will not be considered Substitutions.
- 90. The recommended subcontractor for the Dumbwaiter and the Material lift has included an alternate system for the Wheelchair Lift which is by Savaria. We have included cost to procure the specified Wheelchair Lift in Ivory standard color with enclosed housing.
- 91. We have assumed that the shaft sizes and needed supports to fit and affix the Material lift and Dumbwaiter have been incorporated into the design and coordinated with available manufacturer sizes. We have not included adjustments to the design openings if there are discrepancies.

### Exclusions:

- 92. Camino Real Elevator.

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## 06– Lab Casework

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### Assumptions / Clarifications:

- 93. There are some details for marine edge countertops, but no callouts in the plans as to where they are to go. We have not included these.
- 94. We are assuming that movable lab tables are non-prewired as they are custom manufactured tables and a UL listed wiring system is not available. We have included a budget for field installed wiremold at these tables.

### Exclusions:

- 95. Secondary light curtain autosash per 2020 CA Energy Code.

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## 07– Fire Protection

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### Assumptions / Clarifications:



96. Fire sprinkler installation shop drawings to be submitted for DSA review and approval and in accordance with the project fire sprinkler plans and specifications.
97. Relocation of the exterior fire hydrant, DCDA and PIV as shown on FPO.1A will occur under the site utilities package.

Exclusions:

98. Pre-action fire protection systems or clean agent systems are not included.
99. Custom color fire sprinkler heads or covers.

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## **08– Plumbing**

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Assumptions / Clarifications:

100. Equipment and plumbing fixtures included as scheduled on the project drawing package fixture/equipment schedule.
101. Chlorination of the domestic (potable) water systems per all State and local health department regulations.
102. Insulation of plumbing systems to follow project specifications as well as California Energy Commission Title-24 recommendations.
103. Casework integral sinks, eyewashes, and lab gas turrets provided by others will be turned over to Plumbers for installation and connection.
- 104.

Exclusions:

105. No specialty lab gasses have been indicated or included (example O<sub>2</sub>, N<sub>2</sub>, CO<sub>2</sub>, etc.). Only the project drawing denoted lab systems have been included (natural gas, lab gas, lab vacuum).
106. Sewer use and assessment fees, domestic water meter and fees, natural gas meters and fees.
107. Dewatering and heavy rock excavation for underslab conditions is excluded.
108. Methane barriers, mitigation, sensors, or exhaust systems are excluded (none shown in project documents).
109. Insulation of domestic cold water system has not been included due to climate zone.
110. Permits and plan check fees and assessments.

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## **09– HVAC**

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Assumptions / Clarifications:

111. HVAC ductwork systems for supply, return, outside, and general exhaust will be galvanized sheet metal and constructed to SMACNA standards as indicated in the project documents. Final connections to supply and return air distribution devices will be via flexible ductwork no longer than 5 lineal feet in length.
112. Pressure testing of medium pressure ductwork per SMACNA recommendations and RFI response has been included.
113. Insulation of mechanical HVAC systems, both piping and ductwork to follow project specifications as well as California Energy Commission Title-24 recommendations. Firewrap of fume exhaust ductwork is included where denoted on the project drawings.
114. Fume hood and vacuum cabinet points of connection have been included as shown on the project drawings.



- 115. Labor and materials to perform a complete installation of the HVAC and Lab controls per specification divisions 23 and 25.
  - 116. Commissioning is to be provided by others. Subcontractors and DPR personnel will provide commissioning support.
  - 117.
- Exclusions:
- 118. Calculations or design for expansion compensation for underground piping as noted in specification section 23.21.13.13 1.04 B.
  - 119. Underground Chilled Water piping beyond the project denoted point of connection. Chilled Water piping to extend approximately 5 lineal feet beyond the building footprint exterior.
  - 120. Duct cleaning and any associated access doors required for duct cleaning operations as noted in specification 23 31 13 3.11. Ductwork will be fabricated in an indoor manufacturing environment and delivered to the project with sealed ends per Calgreen standards. RFI response confirmed post construction duct cleaning will not be required.
  - 121. Special testing and balancing such as: sound level and vibration testing, third party duct pressure test and/or witnessing.
  - 122. Stairwell pressurization systems have not been identified in the project documents or included.
  - 123. Permits & plan check fees and assessments.

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## **10 – Electrical**

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Assumptions / Clarifications:

- 124. Includes temp power & lighting.
- 125. Item E on sheet E0.02 of the electrical drawings will be accomplished through the final coordinated model in accordance with the BIM Execution Plan.
- 126. We have included rough-in (conduit and backboxes only) of low systems identified in the telecommunications drawings, however specific location coordination is assumed to be by the Designer of Record.

Exclusions:

- 127. All low voltage systems, cabling and devices shown in telecommunications drawings.
- 128. DAS System.
- 129. Security (CCTV and Access Control).
- 130. A/V.
- 131. Network Access Switch.
- 132. Network Distribution Switch.
- 133. UPS w/ extended run battery.
- 134. Power distribution unit.
- 135. Equipment racks.
- 136. Rack ladders.
- 137. Cable Management.
- 138. Fiber Patch Panel / Fiber Optic Patch Panel.
- 139. Cat 6 Patch Panel.
- 140. Office Phones, classroom, lab wall phones, conference room phones.
- 141. Station wiring (including patch panel, cable, connectors, testing and labor).

- 142. Wireless Access Points and Placement.
- 143. Digital Clock / Paging / Messaging.
- 144. Outside Fiber and Copper Cabling.

## Basis of Schedule

The Basis of Schedule explanation designates assumptions, clarifications, potential risks and perceived opportunities used in establishing the Schedule titled “Exhibit G” Project Schedule 12/9/2020. In addition, this document describes the general scheduling approach to the project, project execution assumptions, and general scope of work clarifications depicted in the current schedule. Where discrepancies exist between this document and the Division 1 Specifications, this document will rule.

### EXECUTIVE SUMMARY

The project schedule takes into account a very constrained site. There is no laydown area, so any further constraints to the site imposed beyond the Site Logistics Plan, will result in schedule delays. There are no specific adjustments made to the schedule associated to normal Campus operations, deliveries, special events, Commencements, academic calendars or hours of operations.

### OWNER DEPENDENCIES

#### Key Design Decisions

- 145. The schedule is based upon the following design decision dates:
  - a. GCC approval of this GMP for the project, and all associated provisions no later than 5/22/21.

#### Timing of Owner Furnished Equipment

- 146. The key Owner Furnished, Contractor Installed (OFICI) Equipment for the project and required delivery dates will be finalized and agreed to by the team once equipment selection is completed.

#### Drug Testing/Security/Background Requirements

- 147. DPR’s project specific standard drug and alcohol policy is post-accident and for probable cause. 100% screening has not been accounted for in the proposal.

#### Notice to Proceed:

- 148. GCC will have all hazardous materials in Santa Anita Building removed by April 30,2021

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## DESIGN DEPENDENCIES

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### Design Approval Milestones:

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149. DPR's schedule is dependent on the following critical design approvals to maintain schedule progress:
- a. All Addendums and CCD's will be processed in a manner to maintain the Schedule. Where an issue arises, the District and Design professionals will communicate these changes, their approval of same, and direction to proceed in a manner to avoid delay to critical path items. Where the district is in process of getting DSA Approval, they will provide clear written direction on how to proceed while approvals are being obtained.

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### Use of BIM and Designer's Models:

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150. DPR's schedule is dependent on the collaborative use of the Designer's BIM and CAD files.
151. DPR's schedule is dependent on the durations of review and approvals of the BIM coordination effort. This is exhibited in the WBS section titled BIM, in the GMP schedule.
152. The schedule does not include time for extensive back and forth in the BIM coordination that may be impacted by point load issues.

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## THIRD PARTY DEPENDENCIES

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### Interaction with Utility Providers

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153. DPR understands that the Owner is responsible for final agreements with Utility providers and the schedule is based on major milestones associated with such utilities as outlined below.
- a) Power from switch in GCC electrical manhole for temporary power by June 30, 2021.
  - b) Chilled Water to New Science Building by 12/1/2022.
  - c) So Cal Gas service to the building by 12/1/2022.
154. DPR assumes that the project Engineers and the College have coordinated all work with the City of Glendale and other jurisdictions having authority for the work as may be required.

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### Adjacency Restrictions (Rights of Way, Railroads, Air Rights, Neighbors and Easements)

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155. DPR assumes use of the site as exhibited by the Site Logistics Plan made a part of this agreement.
156. DPR assumes the use of a tower crane with unrestricted swing zones over adjacent Campus buildings, public street and apartment building owned by others. This swing radius is exhibited on the Site Logistics Plan. Loads being moved by the tower crane will never pass over buildings.

## 2. Bid Tallies

05/05/21

BID  
TALLIES



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	101720 Survey	Adkan Engineers				BLC Surveying, Inc.				The Culver Group, Inc.				VCA Engineers, Inc.				DPR Estimate Value			
		Jerry Snell (951) 688-0241 jsnell@adkan.com				Rob Rejin (818) 318-1288 rr@blcsurveying.com				Glenn Culver gculver@culvergroup.com				Edwin Castro edwin.castro@vcaeng.com							
Scope of Work:	Survey	RECOMMENDED																			
Bid Date:																					
		Prequalification Status		Predicted Safety Incidents		Prequalification Status		Predicted Safety Incidents		Prequalification Status		Predicted Safety Incidents		Prequalification Status		Predicted Safety Incidents					
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
1.01	Survey Control	✓				✓			\$4,224	✓	2		\$5,370								\$88,000
1.02	Rough Grade Stakes	✓				✓			\$5,280	✓	16		\$42,960								
1.03	Utility Stakes (Wet, Dry, Storm Drain)	✓				✓			\$19,008	✓	5		\$13,425								
1.04	Storm Drain Conformance Review	✓				✗				✓	5		\$13,425								
1.05	Curb and Gutter Stakes	✓				✓			\$16,896	✓	8		\$21,480								
1.06	Grid Stakes/Building Pad Certification	✓				✓			\$9,504	✓	10		\$26,850								
1.07	Setting Control on Upper Floors (Pre and Post Concrete Pour)	✓				✓			\$25,344	✓	16		\$42,960								
1.08	As-Builts of installed Utilities	✓				✗				✓	3		\$8,055								
		✓			\$85,000																
	BASE BID VALUE				\$85,000				\$80,256				\$174,525				\$0				\$88,000
2.00	BID VERIFICATION & DUE DILLIGENCE	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
	BID VERIFICATION & DUE DILLIGENCE	✓			\$0				\$0				\$0				\$0				\$0
3.00	SUBCONTRACT VALUE				\$85,000				\$80,256				\$174,525				\$0				\$88,000
4.00	INSURANCE & TAX		Rate		Value		Rate		Value		Rate		Value		Rate		Value				
	INSURANCE & TAX SUBTOTAL				\$0				\$0				\$0				\$0				\$0
5.00	COSTS TO COMPLETE (scope associated with the work)		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value
5.01	Misc Re-staking allowance	✓			included in base bid				\$10,000				\$10,000								
5.02	Ht. Cert - top of finished building				\$2,200				\$2,112				\$2,200								
5.03	Office Support				included in base bid				\$12,612				included in base bid								
5.04																			Design Contingency	2.78%	\$2,446
5.05																			Escalation	6.29%	\$5,535
	COSTS TO COMPLETE SUBTOTAL				\$2,200				\$24,724				\$12,200				\$0				\$7,982
6.00	<b>TOTAL PACKAGE VALUE</b>				<b>\$87,200</b>				<b>\$104,980</b>				<b>\$186,725</b>				<b>\$0</b>				<b>\$95,982</b>
	% Variance from DPR Estimate Value				-9%				9%				95%				-100%				
	\$ Variance from DPR Estimate Value				(\$8,782)				\$8,998				\$90,743				\$0				
	<b>DPR'S RECOMMENDED BIDDER</b>				Adkan Engineers				-				-				-				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>01720 Survey</b>	<b>Adkan Engineers</b>	<b>BLC Surveying, Inc.</b>	<b>The Culver Group, Inc.</b>	<b>VCA Engineers, Inc.</b>	DPR Estimate Value
		Jerry Snell	Rob Rejlin	Glenn Culver	Edwin Castro	
Scope of Work:	<b>Survey</b>	(951) 688-0241	(818) 318-1288			
		jsnell@adkan.com	rr@blcsurveying.com	gculver@culvergroup.com	edwin.castro@vcaeng.com	
Bid Date:		RECOMMENDED				
	Comments					



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package	Calex Engineering Company				Condon-Johnson & Associates, Inc.				Keller North America, Inc.				Malcolm Drilling Company, Inc.				Premiere Engineering & Grading Contractors				Sharma General Engineering Contractors, Inc.				Shoring Engineers				Southern California Grading, Inc.				DPR Estimate Value							
	Kevin Austin (661) 254-1866 kaustin@calex.net				Nicole Doucette (909) 390-0268 bmyers@condon-johnson.com				Nick Ayres (909) 393-9300 nayres@haywardbaker.com				Tyler Hainey (626) 338-0035 thainey@malcolmdrilling.com				Vigul Patel (714) 518-2410 vipul@premiereeng.com				Don Asidera (805) 532-1141 don@sharmacontractors.com				Rene Contreras (562) 944-9331 rene@shoringengineers.com				Jonathan Rathmann (949) 551-6655 jrathmann@socalgrading.com											
Scope of Work	Shoring, Piles, & Earthwork																																							
Bid Date:	RECOMMENDED																																							
	Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status															
	Predicted Safety Incidents 0.46				Predicted Safety Incidents 0.50				Predicted Safety Incidents 0.05				Predicted Safety Incidents 0.15				Predicted Safety Incidents 2.92				Predicted Safety Incidents 4.75				Predicted Safety Incidents 1.38															
1.00	<b>BASE BID (bidder's proposed value)</b>																																							
1.01	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value					
	✓			\$518,000	✓			\$232,446					✓			\$179,714					✓			\$186,000																
1.02	✓			\$1,552,000	✓			\$912,600					✓			\$979,733					✓			\$1,145,000																
1.03	✓			\$1,160,290	✓			\$686,000					✓			\$452,500					✓			\$527,000																
1.04	✓			\$2,000,940	✓			\$1,995,853					✓			\$1,573,419					✓			\$1,932,000																
1.05	✓			\$627,100	✓			\$723,900					✓			\$532,738					✓			\$475,000																
1.06	✓			\$81,300	✓			\$157,700					✓			\$74,175					✓			\$50,000																
1.07	✓			\$94,500	✓			\$55,200					✓			\$93,438					✓			\$95,000																
1.08	✓			\$169,600	✓			\$45,700					✓			\$86,250					✓			\$30,000																
1.09	✓			\$37,400	✓			\$137,900					✓			\$338,100					✓			\$125,000																
1.10	✓			\$283,000	✓			\$288,300					✓			\$250,700					✓			\$215,000																
	<b>BASE BID VALUE</b>				<b>\$6,524,130</b>				<b>\$5,235,599</b>				<b>\$0</b>				<b>\$4,689,382</b>				<b>\$0</b>				<b>\$0</b>				<b>\$4,780,000</b>				<b>\$0</b>				<b>\$4,568,371</b>			
2.00	<b>BID VERIFICATION AND DUE DILIGENCE</b>																																							
	<b>BID VERIFICATION &amp; DUE DILIGENCE SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>			
	Value of items they excluded from their bid but are required for a complete bid. They resubmitted a bid when they were informed they did not have a complete responsible bid.																																							
	\$ 128,615																																							
3.00	<b>SUBCONTRACT VALUE</b>				<b>\$6,524,130</b>				<b>\$5,235,599</b>				<b>\$0</b>				<b>\$4,689,382</b>				<b>\$0</b>				<b>\$0</b>				<b>\$4,780,000</b>				<b>\$0</b>				<b>\$4,568,371</b>			
4.00	<b>INSURANCE &amp; TAX</b>																																							
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>			
5.00	<b>COSTS TO COMPLETE (scope associated with the work)</b>																																							
	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value				
5.01			\$6,500			\$6,500			\$6,500			\$6,500			\$6,500			\$6,500			\$6,500			\$6,500																
5.02			\$10,000			\$10,000			\$10,000			\$10,000			\$10,000			\$10,000			\$10,000			\$10,000																
5.03			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500																
5.04																																								
5.05																																								
5.06																																								
5.07																																								
5.08																																								
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$24,000</b>				<b>\$24,000</b>				<b>\$0</b>				<b>\$24,000</b>				<b>\$0</b>				<b>\$0</b>				<b>\$24,000</b>				<b>\$0</b>				<b>\$414,351</b>			
6.00	<b>TOTAL PACKAGE VALUE</b>																																							
	<b>\$6,548,130</b>				<b>\$5,259,599</b>				<b>\$0</b>				<b>\$4,713,382</b>				<b>\$0</b>				<b>\$0</b>				<b>\$4,804,000</b>				<b>\$0</b>				<b>\$4,982,722</b>							
	% Variance from DPR Estimate Value																																							
	-1%				6%				-100%				-5%				-100%				-100%				-4%				-100%											
	\$ Variance from DPR Estimate Value																																							
	\$1,565,408				\$276,877				\$0				(\$269,340)				\$0				\$0				(\$178,722)				\$0											
	<b>DPR'S RECOMMENDED BIDDER</b>																																							
																									Shoring Engineers															
	<b>Comments</b>																																							
	Bid was deemed non responsive due to submitted a quote with significant exclusions of required scope.																																							



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	02500 Site Utilities	Bali Construction, Inc.				G.B. Cooke, Inc.				Murray Company				Suttles Plumbing & Mechanical Corp.				Van Diest Bros., Inc.				DPR Estimate Value			
		Grant Wood (626) 442-8003 gwood@baliconstruction.com				David Smith (626) 969-8736 david@gbcookeinc.com				David Chorak (310) 991-1884 dchorak@murraycompany.com				Bryan Suttles (818) 718-9779 bid@suttlesplumbing.com				Scott Van Diest (562) 232-2801 scott@vandiestbros.com							
Scope of Work:	Site Utilities	RECOMMENDED																							
Bid Date:		Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
		0.51								0.03				2.49											
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
	<b>Site Fire Water Distribution</b>	✓			\$200,429	✓			\$211,731	✓			\$273,497	✓			\$214,000	✓			\$223,880			\$1,301,073	
	Excavation and Backfill	✓				✓				✓				✓				✓							
	Piping	✓				✓				✓				✓				✓							
	Fire Hydrants - new	✓				✓				✓				✓				✓							
	Fire Hydrant relocation	✓				✓				✓				✓				✓							
	FDC	✓				✓				✓				✓				✓							
	DDC	✓				✓				✓				✓				✓							
	Cut / Cap / Make-safe	✓				✓				✓				✓				✓							
	Connections to Existing	✓				✓				✓				✓				✓							
	Other	✓				✓				✓				✓				✓							
	<b>Site Domestic Water Distribution</b>	✓			\$78,455	✓			\$55,613	✓			\$83,250	✓			\$105,000	✓			\$96,600				
	Excavation and Backfill	✓				✓				✓				✓				✓							
	Piping	✓				✓				✓				✓				✓							
	Meter assembly (w/o meter)	✓				✓				✓				✓				✓							
	Backflow preventer	✓				✓				✓				✓				✓							
	Cut / Cap / Make-safe	✓				✓				✓				✓				✓							
	Connections to Existing	✓				✓				✓				✓				✓							
	Other	✓				✓				✓				✓				✓							
	<b>Reclaimed Water Distribution</b>	✓			\$8,249	✓			\$12,697	✓			\$32,634	✓			\$9,000	✓			\$21,960				
	Excavation and Backfill	✓				✓				✓				✓				✓							
	Piping	✓				✓				✓				✓				✓							
	Cut / Cap / Make-safe	✓				✓				✓				✓				✓							
	Connections to Existing	✓				✓				✓				✓				✓							
	Other	✓				✓				✓				✓				✓							
	<b>Site Sewer Distribution</b>	✓			\$56,747	✓			\$105,430	✓			\$137,208	✓			\$79,000	✓			\$41,700				
	Excavation and Backfill	✓				✓				✓				✓				✓							
	Piping	✓				✓				✓				✓				✓							
	Cleanouts	✓				✓				✓				✓				✓							
	Cut / Cap / Make-Safe	✓				✓				✓				✓				✓							
	Connect to Existing	✓				✓				✓				✓				✓							
	<b>Storm Drainage Utilities</b>	✓			\$789,871	✓			\$1,063,607	✓			\$1,745,294	✓			\$1,020,000	✓			\$846,625				
	Excavation and Backfill	✓				✓				✓				✓				✓							
	Piping	✓				✓				✓				✓				✓							
	Catch Basins	✓				✓				✓				✓				✓							
	Area Drains	✓				✓				✓				✓				✓							
	Cleanouts	✓				✓				✓				✓				✓							
	Stormwater retention system	✓				✓				✓				✓				✓							
	Cut / Cap / Make-Safe	✓				✓				✓				✓				✓							
	Connect to Existing	✓				✓				✓				✓				✓							
	Mob / Potholing	✓			\$60,000	✓			\$8,840	✓				✓				✓							
	<b>BASE BID VALUE</b>				\$1,193,751				\$1,457,918				\$2,271,883				\$1,427,000				\$1,230,765			\$1,301,073	
2.00	<b>BID VERIFICATION AND DUE DILIGENCE</b>		Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
	<b>BID VERIFICATION AND DUE DILIGENCE</b>				\$0				\$0				\$0				\$0				\$0			\$0	
3.00	<b>SUBCONTRACT VALUE</b>				\$1,193,751				\$1,457,918				\$2,271,883				\$1,427,000				\$1,230,765			\$1,301,073	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>02500 Site Utilities</b>	Bali Construction, Inc.	G.B. Cooke, Inc.	Murray Company	Suttles Plumbing & Mechanical Corp.	Van Diest Bros., Inc.	DPR Estimate Value
Scope of Work:	<b>Site Utilities</b>	Grant Wood (626) 442-8003 gwood@baliconstruction.com	David Smith (626) 969-8736 david@gbcookeinc.com	David Chorak (310) 991-1884 dchorak@murraycompany.com	Bryan Suttles (818) 718-9779 bid@suttlesplumbing.com	Scott Van Diest (562) 232-2801 scott@vandiestbros.com	
Bid Date:		<b>RECOMMENDED</b>					

<b>4.00 INSURANCE &amp; TAX</b>	Rate	Value									
<b>INSURANCE &amp; TAX SUBTOTAL</b>		\$0		\$0		\$0		\$0		\$0	\$0

5.00 COSTS TO COMPLETE (scope associated with the work)	Qty	Unit	Value															
5.01 Misc trench plates to facilitate demo & shoring operations			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500
5.02 Final adjustments @ manholes, valve boxes and cleanouts			\$4,500			\$4,500			\$4,500			\$4,500			\$4,500			\$4,500
5.03 Irrigation lines - cut/ cap / reroute			\$5,000			\$5,000			\$5,000			\$5,000			\$5,000			\$5,000
5.04 Added landscape demo & rehab @ FW BFP			\$5,000			\$5,000			\$5,000			\$5,000			\$5,000			\$5,000
5.05 Added landscape demo & rehab at Filtera outlet drain			\$2,500			\$2,500			\$2,500			\$2,500			\$2,500			\$2,500
5.06 New connect SD from Camino Real			\$2,500			\$2,500			\$2,500			\$2,500			\$2,500			\$2,500
5.07 Sewer R & R from Camino Real @ Biofiltration			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500
5.08 Storm Drain collection at Lot G			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500
5.09 Cut, haul off and patch concrete @ Camino Real pedestrian area			\$10,000			\$10,000			\$10,000			\$10,000			\$10,000			\$10,000
5.10 Haul off spoils from this operation. 1,500 cy @ \$50/cy			\$75,000			\$75,000			\$75,000			\$75,000			\$75,000			\$75,000
5.11 Maintain / refurbish Biofiltration			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500			\$7,500
<b>COSTS TO COMPLETE SUBTOTAL</b>			\$134,500			\$134,500			\$134,500			\$134,500			\$130,000			\$118,007

<b>6.00 TOTAL PACKAGE VALUE</b>	<b>\$1,328,251</b>	<b>\$1,592,418</b>	<b>\$2,406,383</b>	<b>\$1,561,500</b>	<b>\$1,360,765</b>	<b>\$1,419,081</b>
% Variance from DPR Estimate Value	-6%	12%	70%	10%	-4%	
\$ Variance from DPR Estimate Value	(\$90,830)	\$173,337	\$987,302	\$142,419	(\$58,316)	

<b>DPR'S RECOMMENDED BIDDER</b>	Bali Construction, Inc.	-	-	-	-	
Comments						



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:		ABC Resources, Inc				PaveWest - <b>Did not review Contract. Non Union.</b>				Western Paving Contractors				DPR Estimate Value			
Scope of Work:		Bret Schaefer				Dave Padilla				Ren Isenhardt							
Bid Date:		909-451-9925				562-694-3113				626-338-7885							
		bret@abcresources.biz				Dave@PaveWest.com				reneisenhardt@westernpaving.com							
		Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
1.1	Electrical Trench Patch / Repair	✗			not in scope	✗			not in scope	✗			not in scope				\$149,217
1.2	Initial Patch / Repair @ Biofiltration Unit	✓			\$17,022	✓			included	✓			\$132,450				
1.3	AC Paving and Base	✓			\$241,437	✓			\$137,530	✓			\$54,979				
1.4	Striping	✓			\$13,714	✓			\$8,575	✓			\$1,700				
1.5	Parking Area Signage	✓			\$6,619	✗			not included (in Ph2)	✗			not included (in Ph2)				
1.6	Other	✗			not included	✗			not included	✗			not included				
	<b>BASE BID VALUE</b>				<b>\$278,792</b>				<b>\$146,105</b>				<b>\$189,129</b>				<b>\$149,217</b>
2.00	BID VERIFICATIONS AND DUE DILLIGENCE	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
2.01	Repair all cracks in existing asphaltic concrete prior to the installation of the new asphalt emulsion seal coat.	✗			not included	✓			included	✓			included				
2.02	Verify the tops of the utility covers, inlets and/or gratings are set at the proper elevation prior to the installation of the asphaltic concrete pavement.	✗			not included	✓			included	✓			included				
2.03	Trucks hauling asphaltic concrete mixes will have "Heat Dump Bodies"	✗			not included	✓			included	✓			included				
2.04	Remove - Parking Area Signage (in phase 2)	✓			(\$6,619)	✓			not included	✓			not included				
	<b>BID VERIFICATIONS AND DUE DILLIGENCE</b>				<b>(\$6,619)</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
3.00	SUBCONTRACT VALUE				<b>\$272,173</b>				<b>\$146,105</b>				<b>\$189,129</b>				<b>\$149,217</b>
4.00	INSURANCE & TAX		Rate		Value		Rate		Value		Rate		Value				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>02730 AC Paving</b>	ABC Resources, Inc	PaveWest - <b>Did not review Contract. Non Union.</b>	Western Paving Contractors	DPR Estimate Value									
		Bret Schaefer	Dave Padilla	Ren Isenhardt										
Scope of Work:	<b>AC Paving</b>	909-451-9925	562-694-3113	626-338-7885										
Bid Date:	<b>Mar 02,2021</b>	bret@abcresources.biz	Dave@PaveWest.com	reneisenhardt@westernpaving.com										
5.00	COSTS TO COMPLETE (scope associated with the work)	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Esc/Cont	Qty	Unit	Value
5.01	Patching at Campus Way			\$8,500			\$8,500			\$8,500				\$9,699
5.02	Misc slurry seal at asphalt adjacent areas			\$5,000			\$5,000			\$5,000				
5.03	Phase patching			\$5,000			\$5,000			\$5,000				
	COSTS TO COMPLETE SUBTOTAL			\$18,500			\$18,500			\$18,500				\$9,699
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$290,673</b>			<b>\$164,605</b>			<b>\$207,629</b>			<b>\$158,916</b>			
	% Variance from DPR Estimate Value	83%			4%			31%						
	\$ Variance from DPR Estimate Value	\$131,757			\$5,689			\$48,713						
DPR'S RECOMMENDED BIDDER								Western Paving Contractors						
Comments														



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	02775 Site Concrete					Bomel Construction Co., Inc.				J&M Concrete Contractors				Shaw & Sons, Inc.				Trademark Concrete Systems, Inc.				DPR Estimate Value			
	Site Concrete					Shawn Devine (714) 920-2204 sdevine@bomelconstruction.com				Tony Naranjo (714) 978-2222 x107 tnaranjo@jmcontractors.com				Christie Amorde (949) 642-0660 christie@shawconstruction.com				Kyle Boyer (714) 970-8200 x3 kyle@trademarkconcrete.com							
Scope of Work:	Feb 26, 2021					Prequalification Status				Prequalification Status				Prequalification Status				Recommended							
Bid Date:	Feb 26, 2021					Predicted Safety Incidents: 0.68				Predicted Safety Incidents: 1.79				Predicted Safety Incidents: 0.37				Predicted Safety Incidents:							
1.00	BASE BID (bidder's proposed value)					Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Pedestrian Paving and Sidewalks					✓			included	✓			\$732,559	✓			\$419,500	✓	9,203		\$222,722			\$1,235,225	
1.02	Ramps, Stairs, Landings					✓			included	✓			\$230,160	✓			110,920.80	✓	2,006		\$142,613				
1.03	Curb & Gutter					✓			included	✓			\$134,640	✓			\$896	✓	12		\$12,378				
1.04	Light Standard Bases , Bollard light footings, fence post bases					✓			included	✓			\$126,853	✓			\$138,450	✓	18		\$78,859				
1.05	Utility Pads					✓			included	✓			\$13,580	✓			\$18,350	✓	160		\$23,735				
1.06	Other (ccurbing, mow strips, swales, drainage, structural, etc.)					✓			included	✓			\$82,123	✓			\$217,907	✓	1,164		\$86,249				
1.07	Seat Walls					✓			included	✓			\$75,798	✓			\$85,085	✓	83		\$54,712				
1.08	Skateboard deterrents					✓			included	✓			\$9,687	✓			\$7,800	✓	17		\$12,711				
1.09	Detectable Warnings					✓			included	✓			\$29,293	✓			\$29,445	✓	41		\$13,158				
1.10	Reinforcing Steel for Site Concrete					✓			included	✓	Included		\$0	✓			\$265,050	✓	20,131		\$50,990	gn Contingency & Escalation		\$80,290	
	BASE BID VALUE								\$1,142,229				\$1,434,694				\$1,182,483				\$698,127			\$1,315,515	
2.00	BID VERIFICATION & DUE DILLIGENCE					Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Phase 2 work					✓			(\$430,279)	!			(\$430,000)	!			(\$430,000)	✓			not included				
2.02	3 mobilizations required					!				!				!				✓			included				
2.03																									
2.04																									
2.05																									
	BID VERIFICATION & DUE DILLIGENCE SUBTOTAL								(\$430,279)				(\$430,000)				(\$430,000)				\$0			\$0	
3.00	SUBCONTRACT VALUE					\$711,950				\$1,004,694				\$752,483				\$698,127				\$1,315,515			
4.00	INSURANCE & TAX					Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value		
	INSURANCE & TAX SUBTOTAL						\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		
5.00	COSTS TO COMPLETE (scope associated with the work)					Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value		
5.01	Ramps and retaining walls at main entry (partial Ph 2 work)							\$398,000			\$398,000			\$398,000			\$398,000			\$398,053					
5.02	Patch and repair at curbs - Campus road along Verdugo							\$20,000			\$20,000			\$20,000			\$20,000			\$20,000					
5.03	Mockups							\$10,000			\$10,000			\$10,000			\$10,000			\$10,000					
5.04	Temporary handrails at phase 1 - phase 2 line.							\$15,000			\$15,000			\$15,000			\$15,000			\$15,000					
5.05																									
5.06																									
5.07																									
5.08																									
5.09																									
5.10																									
	COSTS TO COMPLETE SUBTOTAL							\$443,000			\$443,000			\$443,000			\$443,053			\$443,053			\$0		



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>02775 Site Concrete</b>	Bomel Construction Co., Inc.	J&M Concrete Contractors	Shaw & Sons, Inc.	Trademark Concrete Systems, Inc.	DPR Estimate Value
Scope of Work:	<b>Site Concrete</b>	Shawn Devine (714) 920-2204 sdevine@bomelconstruction.com	Tony Naranjo (714) 978-2222 x107 tnaranjo@jmcontractors.com	Christie Amorde (949) 642-0660 christie@shawconstruction.com	Kyle Boyer (714) 970-8200 x3 kyle@trademarkconcrete.com	
Bid Date:	<b>Feb 26,2021</b>				Recommended	
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$1,154,950</b>	<b>\$1,447,694</b>	<b>\$1,195,483</b>	<b>\$1,141,180</b>	<b>\$1,315,515</b>
	% Variance from DPR Estimate Value	-12%	10%	-9%	-13%	
	\$ Variance from DPR Estimate Value	(\$160,565)	\$132,179	(\$120,032)	(\$174,335)	
	<b>DPR'S RECOMMENDED BIDDER</b>	-	-	-	Trademark Concrete Systems, Inc.	
	Comments					



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	02900 Landscaping	BrightView Landscape Development, Inc.				Marina Landscape, Inc.				Pierre Landscape, Inc.				DPR Estimate Value			
Scope of Work:	Landscaping	Chad Benton (818) 612 - 8001 Chad. Benton@birghtview.com				Chris Groby (714) 864-9671 CGroby@marinaco.com				Steve Andrews (626) 239-3927 x6723 sandrews@pierrelandscape.com							
Bid Date:	Feb 26,2021	Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents	0.01			Predicted Safety Incidents	0.46			Predicted Safety Incidents	1.26						
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	Ground Cover	✔	947	ea	\$6,743	✔	1	ls	\$4,000	✔	1	ls	\$589				\$456,066
1.02	Shrubs	✔	549	ea	\$20,330	✔	1	ls	\$20,000	✔	1	ls	\$21,103				
1.03	Trees	✔	29	ea	\$26,293	✔	1	ls	\$28,000	✔	1	ls	\$24,681				
1.04	Import Topsoil & Geofoam for Pottery Only	✔	216	sf	\$14,580	✔	1	ls	\$2,700	✔	1	ls	\$6,978				
1.05	Soil Amendments	✔	8,823	sf	\$3,794	✔	1	ls	\$6,500	✔	1	ls	\$7,028				
1.06	Mulch	✔	9,039	sf	\$6,509	✔	1	ls	\$10,000	✔	1	ls	\$10,500				
1.07	Haul off Spoils	✔	41	cy	\$3,303	✔	1	ls	\$15,000	✔	1	ls	\$2,235				
1.08	Landscape Maintenance - 90 days	✔	1	ls	\$3,239	✔	1	ls	\$7,000	✔	1	ls	\$2,923				
1.09	Pre-Fabricated Planters	✔	18	ea	\$58,124	✔	1	ls	\$72,000	✔	1	ls	\$68,992				
1.10	Vine Trellis System	✔	450	sf	\$13,379	✔	1	ls	\$15,000	✔	1	ls	\$11,559				
1.11	Landscape Boulders	✔	3	ea	\$1,747	✔	1	ls	\$3,000	✔	1	ls	\$9,552				
1.12	Tree Grates	✔	4	ea	\$14,416	✔	1	ls	\$14,000	✔	1	ls	\$24,876				
1.13	Decorative Rocks and Steel Edging	✔	1	ls	\$1,435	✔	1	ls	\$600	✔	1	ls	\$2,291				
1.14	Irrigation System	✔	1	ls	\$62,305	✔	1	ls	\$75,000	✔	1	ls	\$75,565				
1.15	Site Furnishing (Bicycle Racks, Bike Lockers)	✔	2	ea	\$8,496	✔	1	ls	\$8,400	✔	1	ls	\$11,011				
1.16	Other	✔	1	ls	\$24,079	✔	1	ls	\$36,000	✔	1	ls	\$30,199				
	<b>BASE BID VALUE</b>				<b>\$268,772</b>				<b>\$317,200</b>				<b>\$310,082</b>				<b>\$456,066</b>
<b>2.00</b>	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01	Remove - Bike Racks (OFOI per Matrix)	✔			Not included	✔			not included	✔			(\$3,442)				
	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>				<b>\$0</b>				<b>\$0</b>				<b>(\$3,442)</b>				<b>\$0</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$268,772</b>				<b>\$317,200</b>				<b>\$306,640</b>				<b>\$456,066</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Weekly maintenance of existing Landscaping				\$15,000				\$15,000				\$15,000				
5.02	Checkout and reinstall irrigation at adjacent areas				\$10,000				\$10,000				\$10,000				
5.03	25 Basalt River Tumble Rock under Main Stair 2 at L1				\$1,800				\$1,800				\$1,800				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>02900 Landscaping</b>	BrightView Landscape Development, Inc.	Marina Landscape, Inc.	Pierre Landscape, Inc.	DPR Estimate Value			
Scope of Work:	<b>Landscaping</b>	Chad Benton (818) 612 - 8001 Chad. Benton@birghtview.com	Chris Groby (714) 864-9671 CGroby@marinaco.com	Steve Andrews (626) 239-3927 x6723 sandrews@pierrelandscape.com				
Bid Date:	<b>Feb 26,2021</b>							
5.04	Move-ins for irrigation sleeves	\$2,500	\$2,500	\$2,500				
5.05	Fill at Landscape areas	\$7,500	\$7,500	\$7,500				
COSTS TO COMPLETE SUBTOTAL		\$36,800	\$36,800	\$36,800				\$0
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$305,572</b>	<b>\$354,000</b>	<b>\$343,440</b>	<b>\$456,066</b>			
	% Variance from DPR Estimate Value	-33%	-22%	-25%				
	\$ Variance from DPR Estimate Value	(\$150,494)	(\$102,066)	(\$112,626)				
<b>DPR'S RECOMMENDED BIDDER</b>		BrightView Landscape Development, Inc.	-	-				
Comments		Union	Union	Union				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	03300 Concrete & Reinforcing Steel	Gonsalves & Santucci Inc. dba Conco				JT Wimsatt Contracting Co., Inc.				Largo Concrete, Inc.				Prieto Construction Company, Inc.				DPR Estimate Value			
		Guillermo Velarde (909) 350-0474 GVelarde@conconow.com				NO BID (661) 607-6450 bill.taylor@jtwimsatt.com				NO BID (619) 356-2145 JBaker@largoconcrete.com				NO BID (949) 835-1120 martintiller@prietoconstruction.com							
Scope of Work:	Concrete & Reinforcing Steel	RECOMMENDED																			
Bid Date:	Feb 12, 2021																				
		Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents 0.22				Predicted Safety Incidents 0.24				Predicted Safety Incidents 0.08				Predicted Safety Incidents 3.28							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	<b>FOUNDATIONS</b>				\$2,169,716				\$0				\$0				\$0			\$780,938	
	Pile Caps				\$927,746															\$517,666	
	Reinforcing steel at pile caps				\$453,890															\$75,928	
	Grade Beams				\$314,199																
	Reinforcing steel at grade beams				\$241,870																
	Set & grout anchor bolts				\$126,267															\$107,344	
	Tower Crane Foundation - Concrete				\$42,468															\$80,000	
	Tower Crane Foundation -Reinforcing Steel				\$18,381																
	Other				\$44,895																
1.02	<b>SHOTCRETE</b>				\$556,599				\$0				\$0				\$0			\$543,942	
	Shotcrete at barrier wall				\$423,667															\$543,942	
	Reinforcing at barrier wall				\$98,720																
	Other				\$34,212																
1.03	<b>SLAB ON GRADE</b>				\$556,060				\$0				\$0				\$0			\$497,566	
	Fine grade and base under slab				\$55,175															\$497,566	
	Vapor barrier				\$26,471																
	Concrete Slab on Grade				\$350,043																
	Reinforcing at Slab on Grade				\$60,839																
	Column Blockouts				\$22,144																
	Other				\$41,388																
1.04	<b>PITS AND BASES</b>				\$336,055				\$0				\$0				\$0			\$178,040	
	Elevator Pits				\$29,731															\$34,383	
	Misc. Pits				\$0																
	CIP Concrete Curbs				\$291,656															\$143,657	
	Reinforcing steel at pits and curbs				\$14,668																
	Other																				
1.05	<b>FLOOR CONSTRUCTION</b>				\$1,108,302				\$0				\$0				\$0			\$1,074,276	
	Concrete Fill on Metal Deck				\$684,690															\$1,074,276	
	Reinforcing steel at metal deck				\$34,647																
	Equipment pads				\$48,394																
	Reinforcing steel at equipment pads				\$29,784																
	Built-up slab at lecture hall w/ reinforcing				\$80,204																
	Other				\$230,583																





Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>03300 Concrete &amp; Reinforcing Steel</b>	Gonsalves & Santucci Inc. dba Conco	JT Wimsatt Contracting Co., Inc.	Largo Concrete, Inc.	Prieto Construction Company, Inc.	DPR Estimate Value
Scope of Work:	<b>Concrete &amp; Reinforcing Steel</b>	Guillermo Velarde (909) 350-0474 GVelarde@conconow.com	<b>NO BID</b> (661) 607-6450 bill.taylor@jtwimsatt.com	<b>NO BID</b> (619) 356-2145 JBaker@largoconcrete.com	<b>NO BID</b> (949) 835-1120 martintiller@prietoconstruction.com	
Bid Date:	<b>Feb 12, 2021</b>	<b>RECOMMENDED</b>				
5.04						
5.05						
COSTS TO COMPLETE SUBTOTAL		\$54,000	\$0	\$0	\$0	\$0
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$4,875,701</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,670,180</b>
	% Variance from DPR Estimate Value	4%	-100%	-100%	-100%	
	\$ Variance from DPR Estimate Value	\$205,521	\$0	\$0	\$0	
DPR'S RECOMMENDED BIDDER		Gonsalves & Santucci Inc. dba Conco	-	-	-	
Comments						



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	05120 Structural Steel				AmFab Inc and/or Amfab Steel Inc				Bragg Crane & Rigging				Gayle Manufacturing Co., Inc.				Schuff Steel Company (Declined to Bid)				SME Steel Contractors, Inc.				The Herrick Corporation (Declined to Bid)				DPR Estimate Value			
	Jason Bishop (505) 867-6737 jason.bishop@amfabinc.com				Byron Ferguson (562) 984-2400 fergusonb@braggcrane.com				Tony Perea (530) 662-0284 tonyp@GMCx.com				Jerry McWherter (619) 316-5591 jerry.mcwherter@schuff.com				Jim Hardy (801) 280-4974 jimh@smesteel.com				Ken Kincheloe (714) 965-9000 kenk@herricksteel.com											
Scope of Work:	Structural Steel								RECOMMENDED																							
Bid Date:																																
Prequalification Status		2.03		0.04		1.16		0.23		0.13		1.49																				
Predicted Safety Incidents																																
1.00	<b>BASE BID (bidder's proposed value)</b>				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value					
1.01	Shop Drawings and Coordination				✓			\$149,253	✓			\$186,543	✓			\$190,000	✗			\$110,000	✗											
1.10	Structural Steel - Fabrication				✓			\$3,661,235	✓		1,140	ton	\$2,639,000	✗			\$2,370,000	✗		1,230			\$3,589,115	✗		1,006	ton	\$4,105,466				
1.20	Structural Steel - Erection				✓			\$2,678,682	✓			\$2,212,600	✗			\$2,370,000	✗						\$2,038,818	✗			included					
2.00	Buckling Restrained Braces				✓			\$773,760	✓		162	ton	\$585,000	✗			\$594,459	✗		162			\$594,459	✗		76	ea	\$488,500				
3.00	Stairs and Railings				✓			\$601,501	✓			\$851,743	✓			\$1,140,000	✗		335			\$1,295,833	✗		1	ls	\$905,000					
3.10	Metal Decking				✓			\$1,032,054	✗			excluded / no bid	✓			\$878,000	✗					\$978,915	✗				\$724,500					
<b>BASE BID VALUE</b>							\$8,896,485				\$7,273,868				\$7,802,000				\$0			\$8,607,140				\$0	\$6,223,466					
2.00	<b>BID VERIFICATION AND DUE DILLIGENCE</b>				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value					
<b>BID VERIFICATION AND DUE DILLIGENCE</b>							\$0				\$0				\$0			\$0			\$0				\$0		\$0					
3.00	<b>SUBCONTRACT VALUE</b>							\$8,896,485				\$7,273,868				\$7,802,000				\$0			\$8,607,140			\$0	\$6,223,466					
4.00	<b>INSURANCE &amp; TAX</b>				Rate			Value	Rate			Value	Rate			Value	Rate			Value	Rate			Value								
<b>INSURANCE &amp; TAX SUBTOTAL</b>							\$0				\$0			\$0			\$0				\$0				\$0		\$0					
5.00	<b>COSTS TO COMPLETE (scope associated with the work)</b>				Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value				
5.01	Primer at steel for intumescent fireproofing finish				1	ls	buy w painting		1	ls	buy w painting		1	ls	buy w painting		1	ls	buy w painting													
5.02	Primer at Exposed BRBs				1	ls	buy w painting		1	ls	buy w painting		1	ls	buy w painting		1	ls	buy w painting													
5.03	Metal Decking				✓		included				900,000	✓		included					900,000	✓		included										
5.04	Shop welded rebar couplers at column flanges to accept rebar by others (1/S3.02)						\$9,600			\$9,600			\$9,600			\$9,600			\$9,600			\$9,600										
5.05	Detailing at pipe penetrations through metal decking						\$30,000			\$30,000			\$30,000			\$30,000			\$30,000			\$30,000			Design Contingency	2.78%	\$173,012					
5.06																								Escalation	6.29%	\$391,456						
<b>COSTS TO COMPLETE SUBTOTAL</b>						\$39,600			\$939,600			\$39,600			\$0		\$39,600			\$0			\$39,600			\$0	\$564,468					
6.00	<b>TOTAL PACKAGE VALUE</b>						\$8,936,085			\$8,213,468			\$7,841,600			\$0			\$8,646,740			\$0				\$6,787,934						
% Variance from DPR Estimate Value						32%			21%			16%			-100%				27%			-100%										
\$ Variance from DPR Estimate Value						\$2,148,151			\$1,425,534			\$1,053,666			\$0				\$1,858,806			\$0										
<b>DPR'S RECOMMENDED BIDDER</b>						-			-			Gayle Manufacturing Co., Inc.			-				-			-										
<b>Comments</b>									Did not include metal decking																							



\*PROJECT NAME\*

Bid Evaluation Sheet

Bid Package:	05500 - Misc Metals	Bapko Metal, Inc.				Muhlhauser Steel, Inc.				Southwest Steel of California, Inc.				DPR Estimate Value			
		Victor Callirgos <a href="mailto:vcallirgos@bapko.com">vcallirgos@bapko.com</a> 714-393-9585				Chris Muhlhauser <a href="mailto:chris@msisteel.com">chris@msisteel.com</a> 909-877-2792				Dan VanVerth <a href="mailto:dan.vanverth@sws-steel.com">dan.vanverth@sws-steel.com</a> 702-320-4900							
Scope of Work:		Prequalification Status				Prequalification Status				Prequalification Status							
Bid Date:		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
		Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.00	<b>BASE BID (bidder's proposed value)</b>																
	Site Handrails, guardrails, cable rails (phase 1)	✓	1,040	lf	\$397,915	✓			\$270,000	✓	185	lf	\$48,271			\$916,695	
	Building handrails & guardrails	✓	112	lf	\$78,918	✓			\$55,000	✓	126	lf	\$55,938				
	Cane detection	✓	87	lf	\$35,632	✓			\$7,000	✓	218	lf	\$76,936				
	Elevator hoistway separation screen	✓	600	sf	\$57,613	✓			\$21,000	✓	31	ea	\$219,639				
	Operable partition supports	✓	2	plans	\$79,992	✓			\$59,000	✓	2	tn	\$90,256				
	Roof tie-off posts	✓	12	of	\$23,477	✓			\$8,000	✓	12	ea	\$20,882				
	Elevator pit ladders	✓	2	of	\$5,236	✓			\$4,000	✓	2	ea	\$6,445				
	Metal gate assemblies	✓	1	pair	\$26,298	✓			\$9,000	✓	1	ea	\$20,318				
	Steel trellis	✓	1	plan	\$103,687	✓			\$107,000	✓	6	tn	\$126,355				
	Entry canopy framing	✓	1	plan	\$18,460	✓			\$34,000	✓	1	tn	\$20,456				
	Elevator and dumbwaiter guiderail supports and sill angles	✓	10 & 5	ea	\$182,377	✓			\$200,000	✓	11	tn	\$273,654				
	ADA lift steel	✓	1	unit	\$19,816	✓			\$26,000	✓	1	tn	\$21,078				
	Misc embeds		1	ls	\$6,048												
	Other		general conditions		\$44,000									Design Conting. & Escalation		\$59,585	
	<b>BASE BID VALUE</b>				<b>\$1,079,469</b>				<b>\$800,000</b>				<b>\$980,228</b>			<b>\$976,280</b>	
2.00	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
	<b>BID VERIFICATION &amp; DUE DILLIGENCE SUBTOTAL</b>				\$0				\$0				\$0			\$0	
3.00	<b>SUBCONTRACT VALUE</b>		\$1,079,469				\$800,000				\$980,228			\$976,280			
4.00	<b>INSURANCE &amp; TAX</b>		Rate		Value		Rate		Value		Rate		Value				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				\$0				\$0				\$0			\$0	
5.00	<b>COSTS TO COMPLETE (scope associated with the work)</b>		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	Qty	Unit	Value	
5.01	Glass guardrail at lobby stair #2		in interior glass & glazing package				in interior glass & glazing package				in interior glass & glazing package						
5.02	S.S. bollards				phase 2				phase 2				phase 2				
5.03	Countertop supports				\$15,000				\$15,000				\$15,000				
5.04	Chainlink fence and gates at generator enclosure - 6' high				\$17,200				\$17,200				\$17,200				
5.05	NOMMA # 1 welds at railings - RFI / constructability w/ Galv. Finish				included				\$45,000				included NOMMA #2				
5.06																	
5.07																	



\*PROJECT NAME\*

Bid Evaluation Sheet

Bid Package:	05500 - Misc Metals	Bapko Metal, Inc.			Muhlhauser Steel, Inc.			Southwest Steel of California, Inc.			DPR Estimate Value		
		Victor Callirgos <a href="mailto:ycallirgos@bapko.com">ycallirgos@bapko.com</a> 714-393-9585			Chris Muhlhauser <a href="mailto:chris@msisteel.com">chris@msisteel.com</a> 909-877-2792			Dan VanVerth <a href="mailto:dan.vanverth@sws-steel.com">dan.vanverth@sws-steel.com</a> 702-320-4900					
Scope of Work:													
5.08													
5.09													
5.10													
	<b>COSTS TO COMPLETE SUBTOTAL</b>			\$32,200			\$77,200			\$32,200			\$0
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$1,111,669</b>			<b>\$877,200</b>			<b>\$1,012,428</b>			<b>\$976,280</b>		
	% Variance from DPR Estimate Value	14%			-10%			4%					
	\$ Variance from DPR Estimate Value	\$135,389			(\$99,080)			\$36,148					
	<b>DPR'S RECOMMENDED BIDDER</b>	-			Muhlhauser Steel, Inc.			-					
	Comments												



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	06220 Casework & Millwork				Roy E. Whithead				Spooner's Wood Works				Tabler Company				DPR Estimate Value			
Scope of Work:	Casework & Millwork				Wesley Sparks				Jim Spooner				Adrian Micle							
Bid Date:	Mar 02,2021				909-292-7945				858-679-9086 x102				714-543-7100							
					wsparks@therewcrew.com				jim.spooner@spoonerwoodworks.com				adrian@taberco.net							
		Prequalification Status				Prequalification Status				Prequalification Status										
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents										
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.1	Glass Display Case System (incl. Lights)				✓			\$129,231	✓			\$19,260	✓			\$28,166			\$230,440	
1.2	Compact Laminate at Stair Guardrails				✓			\$217,666	✓			\$210,255	✓			\$340,471				
1.3	Compact Laminate Wall Paneling				✓			\$87,606	✓			\$96,730	✓			\$98,586				
1.4	Solid Polymer Countertops/Backsplashes				✓			\$43,654	✓			\$56,610	✓			\$109,821				
1.5	Plastic Laminate Casework				✓			\$18,825	✓			\$12,195	✓			\$12,449				
1.6	Metal Wall Base				✓			\$29,840	✓			\$6,020	✓			\$22,840				
1.7	Joint Sealants/Caulking				✓			Included	✓			included	✓			included				
1.8	Other							\$49,176	✓			\$3,750	✓			\$9,917				
	BASE BID VALUE							\$575,998				\$404,820				\$622,250			\$230,440	
2.00	BID VERIFICATION AND DUE DILIGENCE				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Remove - countertop support brackets (in Misc Metals)				✓			(\$5,000)	✓			not included	✓			no included				
2.02	Solid Polymer Wall Paneling				✓			included	✓			included	✓			included				
3.01	Solid Polymer Countertops at Physics Lab 507B & 502				!				✓			included	✗			not included				
	BID VERIFICATION AND DUE DILIGENCE							(\$5,000)				\$0				\$0			\$0	
3.00	SUBCONTRACT VALUE							\$570,998				\$404,820				\$622,250			\$230,440	
4.00	INSURANCE & TAX							Rate				Rate				Rate			Value	
	INSURANCE & TAX SUBTOTAL							\$0				\$0				\$0			\$0	
5.00	COSTS TO COMPLETE (scope associated with the work)							Qty				Qty				Qty			Value	
5.01	MTL-1 - Metal Paneling above elevator doors															included	Esc/Cont		\$14,979	
	COSTS TO COMPLETE SUBTOTAL							\$12,000				\$12,000				\$0			\$14,979	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>06220 Casework &amp; Millwork</b>	Roy E. Whithead	Spooner's Wood Works	Tabler Company	DPR Estimate Value
Scope of Work:	<b>Casework &amp; Millwork</b>	Wesley Sparks	Jim Spooner	Adrian Micle	
Bid Date:	<b>Mar 02,2021</b>	909-292-7945	858-679-9086 x102	714-543-7100	
		wsparks@therewcrew.com	jim.spooner@spoonerwoodworks.com	adrian@taberco.net	
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$582,998</b>	<b>\$416,820</b>	<b>\$622,250</b>	<b>\$245,419</b>
	% Variance from DPR Estimate Value	138%	70%	154%	
	\$ Variance from DPR Estimate Value	\$337,579	\$171,401	\$376,831	
	<b>DPR'S RECOMMENDED BIDDER</b>	-	Spooner's Wood Works	-	
	Comments				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	07100 Waterproofing				Anning-Johnson Company				Courtney Inc				Letner Roofing Company				Patriot Contracting, Inc.				Systems Waterproofing, Inc.				Troyer Contracting Company, Inc.				DPR Estimate Value			
Scope of Work:	Waterproofing				Rick Kent (626) 369-7131 RKent@anningjohnson.com				Reid Everett (949) 222-2050 x105 reid@courtneyinc.com				Abel Diaz (714) 633-0030 ADiaz@letner.com				Myris Guballa (310) 436-1740 mguballa@patriotcontracting.us				James Dent (714) 575-1115 James@systemswp.com				Alan Montalbo (562) 944-6452 amontalbo@msn.com							
Bid Date:									RECOMMENDED																							
		Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status														
		Predicted Safety Incidents 0.05				Predicted Safety Incidents 0.66				Predicted Safety Incidents 0.44				Predicted Safety Incidents 63.96				Predicted Safety Incidents 0.72				Predicted Safety Incidents 3.06										
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value				
1.01	Sheet Waterproofing at Shoring									✓	15,085	SF	\$188,905															\$296,107				
1.02	Waterproofing at Elevator and Dumbwaiter Pits									✓	500	SF	\$7,035																			
1.03	Bellow Grade Waterproofing at Site Walls									✓	2,930	SF	\$45,465																			
	BASE BID VALUE				\$0				\$0				\$241,405				\$0				\$0							\$296,107				
2.00	BID VERIFICATION AND DUE DILIGENCE	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value				
	BID VERIFICATION AND DUE DILIGENCE SUBTOTAL				\$0				\$0				\$0				\$0				\$0							\$0				
3.00	SUBCONTRACT VALUE				\$0				\$0				\$241,405				\$0				\$0							\$296,107				
4.00	INSURANCE & TAX				Rate				Value				Rate				Value				Rate				Rate			Value				
	INSURANCE & TAX SUBTOTAL				\$0				\$0				\$0				\$0				\$0							\$0				
5.00	COSTS TO COMPLETE (scope associated with the work)		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	Qty	Unit	Value				
5.01	Repair all concrete substrate before applying waterproofing										2,930	SF	\$7,000																			
5.02	Detailing @ Rebar Cage Tie-Off Penetrations										18,015	SF	\$22,000																			
5.03	Cement Board Protection @ I-beams - \$65 each installed										99	EA	\$6,435																			
5.04	Waterproofing / Rock Pocket Coordination										1	LS	\$15,000																			
5.05																										Design Contingency	2.78%	\$8,232				
	COSTS TO COMPLETE SUBTOTAL				\$0				\$0				\$50,435				\$0				\$0					Escalation	6.29%	\$18,625				
																												\$26,857				
6.00	<b>TOTAL PACKAGE VALUE</b>				<b>\$0</b>				<b>\$0</b>				<b>\$291,840</b>				<b>\$0</b>				<b>\$0</b>							<b>\$322,964</b>				
	% Variance from DPR Estimate Value				-100%				-100%				-10%				-100%				-100%							-100%				
	\$ Variance from DPR Estimate Value				\$0				\$0				(\$31,124)				\$0				\$0							\$0				
	<b>DPR'S RECOMMENDED BIDDER</b>				-				-				Letner Roofing Company				-				-							-				
	Comments																															



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	07210 Insulation				Alcal Specialty Contracting, Inc.				Alert Insulation Co., Inc.				Dittemore Insulation Contractors, Inc.				DPR Estimate Value			
Scope of Work:	Insulation				Eric Steel (323) 923-3424 eric.steel@alcal.com				Jeff Chaffin (626) 890-0809 Jeff@alertinsulation.net				Rob Foran (714) 289-7095 rob@dittemore.net							
Bid Date:	Feb 26,2021				Prequalification Status				Prequalification Status				Prequalification Status							
					Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
					0.43				0.16				14.11							
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Batt Insulation @ Interior				✓			\$87,406	✓			\$77,590	✓			\$75,460			\$128,000	
1.02	Batt Insulation @ Exterior Walls and Soffits				✓			\$86,683	✓			\$68,980	✓			\$47,500			\$103,729	
1.03	Fire Safing @ Slab Edge				✓			\$45,295	✓			\$32,400	✓			\$75,210				
1.04	Batt Insulation @ Penthouse Deck				✓			\$3,039	✗			not included	✓			\$35,300				
1.05	Other				✓			\$42,564				n/a				n/a				
<b>BASE BID VALUE</b>								<b>\$264,987</b>				<b>\$178,970</b>				<b>\$233,470</b>			<b>\$231,729</b>	
2.00	BID VERIFICATION & DUE DILLIGENCE				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
	Batt Insulation @ underside of Penthouse deck - Attachment Mechanism per Specs 07 21 13-3 (Detail 16/A10.16 shows different Attachment mechanism) Construction RFI Pending.				✓			included	!			\$65,250	✓			included				
	REMOVE - Batt Insulation Fasteeners at 36 O.C per 3.02J/07 21 00-5 (Not required per manufacturer recommendation) Construction RFI pending.				✓			(\$42,564)	✓			not included	✓			not included				
	REMOVE - Edge of slab fire safing @ Curtainwall - Included in Exterior Glazing Scope				✓			(\$2,976)	✓			(\$2,700)	✓			(\$5,720)				
	REMOVE - Insulation at Spandrell/Curtainwall - Included in Exterior Glazing Scope.				✓			(\$12,632)	✓			not included	✓			(\$24,050)				
<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>								<b>(\$58,172)</b>				<b>\$62,550</b>				<b>(\$29,770)</b>			<b>\$0</b>	
3.00	SUBCONTRACT VALUE				\$206,815				\$241,520				\$203,700				\$231,729			
4.00	INSURANCE & TAX				Rate	Value	Rate	Value	Rate	Value	Rate	Value								
<b>INSURANCE &amp; TAX SUBTOTAL</b>						\$0		\$0		\$0		\$0								
5.00	COSTS TO COMPLETE (scope associated with the work)				Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value				
<b>COSTS TO COMPLETE SUBTOTAL</b>							\$0			\$0			\$0			\$0				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>07210 Insulation</b>	Alcal Specialty Contracting, Inc.	Alert Insulation Co., Inc.	Dittemore Insulation Contractors, Inc.	DPR Estimate Value
Scope of Work:	<b>Insulation</b>	Eric Steel (323) 923-3424 eric.steel@alcal.com	Jeff Chaffin (626) 890-0809 Jeff@alertinsulation.net	Rob Foran (714) 289-7095 rob@dittemore.net	
Bid Date:	<b>Feb 26,2021</b>				
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$206,815</b>	<b>\$241,520</b>	<b>\$203,700</b>	<b>\$231,729</b>
	% Variance from DPR Estimate Value	-11%	4%	-12%	
	\$ Variance from DPR Estimate Value	(\$24,914)	\$9,792	(\$28,029)	
	<b>DPR'S RECOMMENDED BIDDER</b>	-	-	Dittemore Insulation Contractors, Inc.	
	Comments				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	07250 Fireproofing				Cell-Crete Corporation				Alert insulation				Martin Bros. / Marcowall, Inc.				Rutherford Co., Inc.				The Nevell Group, Inc.				DPR Estimate Value											
Scope of Work:	Fireproofing				(626) 357-3500 x115 rtyrell@cell-crete.com				626-961-9113 brian@alertinsulation.net				(310) 532-5335				(323) 666-5284 david@rutherfordco.net				(714) 579-7501 shannon@nevellgroup.com															
Bid Date:	Feb 19,2021				No bid form / excluded intumescent				No bid form / excluded intumescent				Recommended																							
		Prequalification Status		Predicted Safety Incidents				Prequalification Status		Predicted Safety Incidents				Prequalification Status		Predicted Safety Incidents				Prequalification Status		Predicted Safety Incidents														
		Confirm	Qty	Unit	Value				Confirm	Qty	Unit	Value				Confirm	Qty	Unit	Value				Confirm	Qty	Unit	Value										
1.00	BASE BID (bidder's proposed value)																																			
1.01	Cementitious Fireproofing	✓			\$354,529	✓			✓			\$400,000	✓			✓			\$323,000	✓			✓			\$483,000	✓			\$280,396				\$435,000		
1.02	Intumescent Fireproofing	✗			excluded	✓			✗			\$300,000	✗			✓			excluded	✗			✓			\$255,000	✓			\$147,841						
1.03	Composite Cleanup	✗			excluded	✓			✗			\$15,000	✗			✓			\$660/unit	✓			✓			\$4,000	✓			\$2,500						
1.04	Other	✗			excluded	✓			✗						✓					✓			✓													
	BASE BID VALUE							\$354,529				\$715,000							\$323,000							\$742,000				\$430,737				\$463,275		
2.00	BID VERIFICATION & DUE DILLIGENCE				Confirm	Qty	Unit	Value						Confirm	Qty	Unit	Value									Confirm	Qty	Unit	Value							
2.01	Gable Roof Framing	!			no bid form	✓			included	✓			included	✓				included	✓				✓						\$92,397							
2.02																																				
2.03																																				
	BID VERIFICATION & DUE DILLIGENCE SUBTOTAL							\$0					\$0						\$0											\$92,397				\$0		
3.00	SUBCONTRACT VALUE							\$354,529				\$715,000							\$323,000										\$742,000				\$523,134			\$463,275
4.00	INSURANCE & TAX					Rate		Value							Rate		Value										Rate		Value							
	INSURANCE & TAX SUBTOTAL							\$0									\$0													\$0					\$0	
5.00	COSTS TO COMPLETE (scope associated with the work)					Qty	Unit	Value							Qty	Unit	Value										Qty	Unit	Value							
5.01	Fireproof Patching				\$50,000				included								\$50,000												\$50,000							
5.02	Touch-up / prep steel at intumescent				\$15,000				\$15,000								\$15,000												\$15,000							
5.03	Intumescent Paint				\$150,000				included								\$150,000												\$150,000							
5.04																																				
5.05																																				
	COSTS TO COMPLETE SUBTOTAL							\$215,000				\$15,000					\$215,000												\$65,000				\$65,000			\$0
6.00	TOTAL PACKAGE VALUE							\$569,529				\$730,000					\$538,000												\$807,000				\$588,134			\$463,275
	% Variance from DPR Estimate Value							23%									16%													74%				27%		
	\$ Variance from DPR Estimate Value							\$106,254										\$74,725												\$343,725				\$124,859		
	DPR'S RECOMMENDED BIDDER							-																											The Nevell Group, Inc.	
	Comments							Did not submit Bid Form - Non-Responsive																												Not licensed to apply carboline, so submitted alternate product.
																																			Excluded several items on bid form: prtction, cleaning of overspray, prep of steel, and intumescent RFI response - Non-Responsive	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	07410 Metal Panels & Sheet Metal	Best Contracting Services, Inc.				Letner Roofing Company				VNSM				Weiss Sheet Metal Company				DPR Estimate Value			
		Steve Noval (310) 328-6969 estimating@bestcontracting.com				Perry Brown (714) 270-4980 pbrown@letner.com				Steven Buxton (562) 663-8905 steven@vnsn.net				Dale Hoffman (310) 354-2700 x427 dhoffman@metcoe.com							
Scope of Work:	Metal Panels & Sheet Metal	Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status							
Bid Date:	Feb 19, 2021	Predicted Safety Incidents: 0.22				Predicted Safety Incidents: 0.44				Predicted Safety Incidents: 1.67				Predicted Safety Incidents:							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
1.0	Insulated Metal Panels	✓	3,400	SF	\$211,000	✓	2,640	SF	\$213,190	✓			\$255,000	✓	2,701		\$372,303				\$424,955
1.1	Perforated Metal Panels	✓	570	SF	\$84,744	✓	500	SF	\$98,600	✓			\$51,000	✓	311		\$35,301				\$1,297,846
1.2	Composite Metal Panels	✓	15,000	SF	\$1,099,835	✓	15,555	SF	\$1,053,400	✓			\$930,000	✓	14,699		\$1,175,907				
1.3	Sheet Metal Flashing & Coping	✓	9,000	SF	\$636,679	✓	7,900	LF	\$279,650	✓			\$220,000	✓			\$45,760				
1.4	Aluminum Metal Panel Guardrail and SS Handrail at Ext. Stair #3	✓	1,100	SF	\$101,986	✓	1,435	SF	\$188,645	✗				✓	1,690		\$182,975				
1.5	Expansion/Seismic Joints	✓	325	LF	\$72,000	✓	330	LF	\$70,400	✓			\$104,000	✓			\$113,683				
1.6	Rigid Insulation at Metal Panels	✓	15,000	SF	\$180,000	✓	16,000	SF	\$88,480	✓			\$100,000	✓	Included		\$0				
1.7	Weather Resistive Barrier at Metal Wall Panels	✓	15,000	SF	\$87,975	✓	16,000	SF	\$199,520	✓			\$200,000	✓	Included		\$0				
1.8	Architectural Louvers	✓	350	SF	\$50,000	✓	352	SF	\$53,560	✓			\$56,000	✓	329		\$54,397	Design Contingency	2%		\$34,456
1.9	Composite Cleanup	✓		LS	\$10,000	✓			\$30,000	✓			\$5,000	✓	Included		\$0	Escalation	4.50%		\$79,077
	<b>BASE BID VALUE</b>				<b>\$2,534,219</b>				<b>\$2,275,445</b>				<b>\$1,921,000</b>				<b>\$1,980,326</b>				<b>\$1,836,333</b>
2.00	BID VERIFICATION & DUE DILLIGENCE	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
2.01	Aluminum Metal Panel Guardrail and SS Handrail at Ext. Stair #3					✓			included	✗			Excluded	!	cluded metal panels but not handrail						
2.02	Item 2.16 - Loose fill insulation at top of insulated metal panels					✓			included	✓			included	✗				excluded			
2.03	Item 2.21 - posts for rails, roof drains, davits, heat weldable sheet metal and electrical / mechanical penetrations					✓			included	✓			included	✗				excluded			
2.04	Item 2.22 - pipe/boot jacks, patches and corners, metal termination bars, slip sheets, metal battens, factory prefabricated drains/overflows/scuppers, as required					✓			included	✓			included	✗				excluded			
2.05	Item 2.23 - Gutter boots and any needed transitions to b.g. lines, coordinate with the sitework sub					✓			included	✓			included	✗				excluded			
2.06	Item 2.24 - Roof scuppers, rain gutters, and associated flashings					✓			included	✓			included	✗				excluded			
2.07	Item 2.25 - Temp rain leaders					✓			included	✓			included	✗				excluded			
2.08	Item 2.31 - IPE Wood at trellis					✓			included	✓			included	✗				excluded			
2.09	Item 2.34 - Provide all metal flashings painted per sheets A10.25, A10.26, A10.27					✓			included	✓			included	✗				excluded			
2.10	Item 2.37 - Coordinate and seal roof penetrations w/ MEP trade contractors					✓			included	✓			included	✗				excluded			
2.11	Expansion joint details 17/A10.91, 16&22/A10.92 and 2.45/A10.32					✓			included	✗			excluded	✗				excluded			
2.12	Metal Roofing Tile System					✗			In Roofing Scope	✗			In Roofing Scope	✗				In Roofing Scope			
2.13	Deck closures					✗			in metal decking	✗			in metal decking	✗				in metal decking			
2.14	Plaster drips, reveals, screeds and drift joints					✗			in plaster scope	✗			in plaster scope	✗				in plaster scope			
2.15	Extruded closures at windows (7/A10.14)					✗			in exterior glazing scope	✗			in exterior glazing scope	✗				in exterior glazing scope			
2.16																					



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	07410 Metal Panels & Sheet Metal	Best Contracting Services, Inc.			Letner Roofing Company			VNSM			Weiss Sheet Metal Company			DPR Estimate Value			
Scope of Work:	Metal Panels & Sheet Metal	Steve Noval (310) 328-6969 estimating@bestcontracting.com			Perry Brown (714) 270-4980 pbrown@letner.com			Steven Buxton (562) 663-8905 steven@vnsn.net			Dale Hoffman (310) 354-2700 x427 dhoffman@metcoe.com						
Bid Date:	Feb 19,2021							RECOMMENDED									
2.17																	
BID VERIFICATION & DUE DILLIGENCE SUBTOTAL				\$0			\$0			\$0			\$0			\$0	
3.00	SUBCONTRACT VALUE	\$2,534,219			\$2,275,445			\$1,921,000			\$1,980,326			\$1,836,333			
4.00	INSURANCE & TAX		Rate	Value		Rate	Value		Rate	Value		Rate	Value				
INSURANCE & TAX SUBTOTAL				\$0			\$0			\$0			\$0			\$0	
5.00	COSTS TO COMPLETE (scope associated with the work)		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value
5.01	Aluminum Metal Panel Guardrail and SS Handrail at Ext. Stair #3				(\$188,645)				included in structural steel package				(\$182,945)				
5.02	IPE Wood Trellis Coordination				\$30,000				\$30,000				\$30,000				
5.03	Coordination at wndow flashings				\$10,000				\$10,000				\$10,000				
5.04	Coordination of control joints in metal panel systems				\$15,000				\$15,000				\$15,000				
5.05																	
5.06																	
5.07																	
5.08																	
5.09																	
5.10																	
COSTS TO COMPLETE SUBTOTAL				\$0			(\$133,645)			\$55,000			(\$127,945)				\$0
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$2,534,219</b>			<b>\$2,141,800</b>			<b>\$1,976,000</b>			<b>\$1,852,381</b>			<b>\$1,836,333</b>			
% Variance from DPR Estimate Value		38%			17%			8%			1%						
\$ Variance from DPR Estimate Value		\$697,886			\$305,467			\$139,667			\$16,048						
DPR'S RECOMMENDED BIDDER		-			-			VNSM			-						
Comments								Apparent low bidder			Weiss is considered non-responsive due to excessive exclusions and markups of the bid form.						



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	07500 Roofing	Anning-Johnson Company				Best Contracting Services, Inc.				Letner Roofing Company				DPR Estimate Value			
Scope of Work:	Roofing	NO BID				Ryan Garcia				Tyler Olson							
Bid Date:	Feb 26,2021	(626) 369-7131				(310) 864-0104				(714) 900-4219							
		RKent@anningjohnson.com				rgarcia@bestcontracting.com				tolson@letner.com							
		Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents		0.05		Predicted Safety Incidents		0.22		Predicted Safety Incidents		0.44					
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
1.01	Single Ply PVC Roofing					✔	1	ls	\$170,000	✔	6,300	sf	\$160,590				
1.02	Metal Tile Roofing					✔	1	ls	\$752,000	✔	20,890	sf	\$349,000				\$739,956
1.03	Walking Pads					✔	1	ls	\$1,500	✔	60	lf	included				
1.04	Pedestal Paver System					✔	1	ls	\$90,000	✔	1,200	sf	\$65,700				\$41,582
1.05	Pedestrial Traffic Coating					✔	1	ls	\$40,000	✔	100	sf	\$3,750				
1.06	Between Slab Waterproofing at upper levels					✔	1	ls	\$228,000	✔	670	sf	\$30,550				
1.07	Composite Cleanup					✔	1	ls	\$8,000	✔			\$6,600				
1.08	Other																
	<b>BASE BID VALUE</b>				\$0				\$1,289,500				\$616,190				\$781,538
<b>2.00</b>	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value
2.01	REMOVE - Traffic Coating. In Epoxy scope.					✔	in epoxy		(\$40,000)	✔	in epoxy		(\$3,750)				
2.02	Decra Villa Metal Roofing Tile - RFI #10					✔			included	✔			\$19,750				
2.03	Expansion Joints and assemblies - In Sheet Metal scope.					✘			in sheet metal	✘			in sheet metal				
2.04	Rigid Insulation, Weather Barrie, Sheating @ Metal Tile Roof					✔			included	✔	ADD ALT		\$134,800				
2.05	Ridge Beam Continuous 16 GA Bent Plate (11/A10.40)					✔			included	✔	ADD ALT		\$70,000				
	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>				\$0				(\$40,000)				\$220,800				\$0
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				\$0				\$1,249,500				\$836,990				\$781,538
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		Rate		Value		Rate		Value		Rate		Value				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				\$0				\$0				\$0				\$0
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value
5.01	Temporary Roofing								\$25,000				\$25,000				
	<b>COSTS TO COMPLETE SUBTOTAL</b>				\$0				\$25,000				\$25,000				\$0



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>07500 Roofing</b>	Anning-Johnson Company	Best Contracting Services, Inc.	Letner Roofing Company	DPR Estimate Value
Scope of Work:	<b>Roofing</b>	<b>NO BID</b> (626) 369-7131 RKent@anningjohnson.com	Ryan Garcia (310) 864-0104 rgarcia@bestcontracting.com	Tyler Olson (714) 900-4219 tolson@letner.com	
Bid Date:	<b>Feb 26,2021</b>				
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$0</b>	<b>\$1,274,500</b>	<b>\$861,990</b>	<b>\$781,538</b>
	% Variance from DPR Estimate Value	-100%	63%	10%	
	\$ Variance from DPR Estimate Value	\$0	\$492,962	\$80,452	
	<b>DPR'S RECOMMENDED BIDDER</b>	-	-	Letner Roofing Company	
	Comments				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	08100 Doors Frames Hardware				G & G Door Products, Inc.				Roy E Whitehead, Inc				Southwest Door & Frame, Inc				DPR Estimate Value					
Scope of Work:	Doors Frames Hardware				Bernie Gabel (714) 228-2008 x101 bernie@ggdoor.net				Dan Gilley (951) 682-1490 dgilley@therewcrew.com				Sean Feeney (909) 465-6705 x25 Sean@swi-ca.com									
Bid Date:	Feb 26,2021				Recommended																	
					Prequalification Status				Prequalification Status				Prequalification Status									
					Predicted Safety Incidents		2.14		Predicted Safety Incidents				Predicted Safety Incidents									
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value			Qty	Unit	Value	
1.01	Hollow Metal Frames				✓			\$46,639	✓			\$51,675	✓			\$31,300						\$576,900
1.02	Hollow Metal Doors				✓			\$44,165	✓			\$58,365	✓			\$45,600						
1.03	Wood Doors				✓			\$93,600	✓			\$163,120	✓			\$134,400						
1.04	Aluminum Frames				✗	in interior glazing package			✗	in interior glazing package			✓			\$43,900						
1.05	Finish Hardware				✓			\$209,865	✓			\$205,055	✓			\$343,000						
1.06	Wood Sliding Door				✓			included	✗				✗									
1.07	Door Lites in Hollow Metal and Wood Doors				✓			included	✓			\$36,045	✓			\$29,300						
1.08	Other						installation	\$134,481	✓			\$83,815	✓			\$0						
																	Design Conting. & Escalation				\$37,499	
							BASE BID VALUE				\$528,750				\$598,075						\$627,500	\$614,399
2.00	BID VERIFICATION & DUE DILLIGENCE				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value			Qty	Unit	Value	
2.01	Aluminum frames				✗	in interior glazing package			✗	in interior glazing package						(\$43,900)						
2.02																						
2.03																						
2.04																						
2.05																						
							BID VERIFICATION & DUE DILLIGENCE SUBTOTAL				\$0				\$0						(\$43,900)	\$0
3.00	SUBCONTRACT VALUE				\$528,750				\$598,075				\$583,600				\$614,399					
4.00	INSURANCE & TAX				Rate		Value		Rate		Value		Rate		Value							
							INSURANCE & TAX SUBTOTAL				\$0				\$0		\$0					
5.00	COSTS TO COMPLETE (scope associated with the work)				Qty		Unit		Value		Qty		Unit		Value		Qty		Unit		Value	
5.01	Electrified Hardware / Security Coordination				1		Is		\$25,000						\$25,000						\$25,000	
5.02	Temp Doors								\$4,800						\$4,800						\$4,800	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>08100 Doors Frames Hardware</b>			G & G Door Products, Inc.	Roy E Whitehead, Inc	Southwest Door & Frame, Inc	DPR Estimate Value
Scope of Work:	<b>Doors Frames Hardware</b>			Bernie Gabel (714) 228-2008 x101 bernie@ggdoor.net	Dan Gilley (951) 682-1490 dgilley@therewcrew.com	Sean Feeney (909) 465-6705 x25 Sean@swi-ca.com	
Bid Date:	<b>Feb 26,2021</b>			<b>Recommended</b>			
5.03	Temp Door Protection			\$20,000	\$20,000	\$20,000	
5.04	Grouting of Frames			\$8,250	\$8,250	\$8,250	
5.05							
5.06							
5.07							
5.08							
5.09							
5.10							
<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$58,050</b>	<b>\$58,050</b>	<b>\$58,050</b>	<b>\$0</b>
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>			<b>\$586,800</b>	<b>\$656,125</b>	<b>\$641,650</b>	<b>\$614,399</b>
	% Variance from DPR Estimate Value			-4%	7%	4%	
	\$ Variance from DPR Estimate Value			(\$27,599)	\$41,726	\$27,251	
<b>DPR'S RECOMMENDED BIDDER</b>		G & G Door Products, Inc.			-	-	
Comments							



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	08300 Smoke Guard Doors				Smoke Guard				Door Systems - Alt System for Curtains				Interior Services - Alt System for Curtains				DPR Estimate Value			
Scope of Work:	Smoke Guard Doors				Cameron Morrissette (213) 598-1788 <a href="mailto:Cameron.Morrissette@sgspecialties.com">Cameron.Morrissette@sgspecialties.com</a>				Audra Garcia (657) 216-0928 <a href="mailto:audra@doorsysinc.com">audra@doorsysinc.com</a>				Jeff Jepsen (626) 422-7869 <a href="mailto:jjepsen@interiorservices.us">jjepsen@interiorservices.us</a>							
Bid Date:	Mar 02,2021				Prequalification Status				Prequalification Status				Prequalification Status							
	Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents											
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Coiling Fire Doors and Shutters - 5 doors				✗			not included	✗			not included	✗			not included			\$134,286	
1.02	Elevator Door Smoke Containment System - Smoke Guard - 10 doors				✓	8	drs	\$137,260	✓	8	Alt: DSI 600	\$48,856	✓	8	ALT: Fire Curtain Technologies	\$50,000				
1.03	Dumbwaiter Door Smoke Containment System - Smoke Guard - 2 doors				✓	2	drs	included	✓	5	Alt: DSI 600	\$30,535	✓	2	ALT: Fire Curtain Technologies	\$12,500				
1.04	Material Lift Door Smoke Containment System - Smoke Guard - 4 doors				✓	5	drs	included	✗			not included	✓	2	ALT: Fire Curtain Technologies	\$12,500				
1.05	Other								✓	Bond		\$2,382								
	BASE BID VALUE							\$137,260				\$81,773				\$75,000			\$134,286	
2.00	BID VERIFICATION & DUE DILLIGENCE				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Coiling Fire Doors and Shutters				✓	5	ea	\$136,700	✓	5	ea	\$57,091	✓	5	ea	\$56,800				
2.02	Elevatord Door Smoke Containment System @ Level 1 - (RFI#144)				✓	2	ea	\$12,068	✓	2	ea	\$10,917	✓	2	ea	\$12,500				
2.03	Material Lift Door Smoke Containment System				✓	1	ea	(\$12,477)	✓	4	ea	\$23,907	✓	2	ea	\$12,500				
2.04	Dumbwaiter Door Smoke Containment System				✓			included	✓	3	ea	(\$18,578)	✓			included				
2.05	Remove Bond								✓			(\$2,382)								
	BID VERIFICATION & DUE DILLIGENCE							\$136,291				\$70,955				\$81,800			\$0	
3.00	SUBCONTRACT VALUE							\$273,551				\$152,728				\$156,800			\$134,286	
4.00	INSURANCE & TAX							Rate				Rate				Rate			Value	
	INSURANCE & TAX SUBTOTAL							\$0				\$0				\$0			\$0	
5.00	COSTS TO COMPLETE (scope associated with the work)							Qty				Qty			Qty				Value	
5.01	Power and fire alarm coordination																		\$20,000	
	COSTS TO COMPLETE SUBTOTAL							\$20,000				\$20,000				\$20,000			\$20,000	
																			Esc/Cont	
																			\$8,729	
																			\$8,729	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>08300 Smoke Guard Doors</b>	Smoke Guard	Door Systems - <b>Alt System for Curtains</b>	Interior Services - <b>Alt System for Curtains</b>	DPR Estimate Value
Scope of Work:	<b>Smoke Guard Doors</b>	Cameron Morrissette (213) 598-1788 <a href="mailto:Cameron.Morrissette@sgspecialties.com">Cameron.Morrissette@sgspecialties.com</a>	Audra Garcia (657) 216-0928 <a href="mailto:audra@doorsysinc.com">audra@doorsysinc.com</a>	Jeff Jepsen (626) 422-7869 <a href="mailto:jjepsen@interiorservices.us">jjepsen@interiorservices.us</a>	
Bid Date:	<b>Mar 02,2021</b>				
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$293,551</b>	<b>\$172,728</b>	<b>\$176,800</b>	<b>\$143,015</b>
	% Variance from DPR Estimate Value	105%	21%	24%	
	\$ Variance from DPR Estimate Value	\$150,536	\$29,713	\$33,785	
	<b>DPR'S RECOMMENDED BIDDER</b>	Smoke Guard	-	-	
	Comments				



**Glendale Community College - New Science Building  
Bid Evaluation Sheet**

**Bid Tally Sheet**

Bid Package:	08800 Glass & Glazing - Exterior	Aragon Construction, Inc.				Corona Aluminum Co.				Woodbridge Glass, Inc.				DPR Estimate Value			
		David Bratton				William Ellis				Matt Kamper							
Scope of Work:	Glass & Glazing	<a href="mailto:Dbratton@aragonconstruction.com">Dbratton@aragonconstruction.com</a>				<a href="mailto:bill@coronaaluminum.com">bill@coronaaluminum.com</a>				<a href="mailto:Mattk@woodbridgeglass.com">Mattk@woodbridgeglass.com</a>							
Bid Date:	Feb 19,2021	RECOMMENDED															
		Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
		3.01								1.00							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Exterior Curtainwall System	✓	7,100	sf	\$994,000	✓	5,801		included	✓			\$2,321,047			\$2,200,642	
1.02	Exterior Windows	✓	4,800	sf	\$566,000	✓	4,532		included	✓			\$1,899,999				
1.03	Exterior Storefront System	✓	3,000	sf	\$340,000	✓	4,497		included	✓			\$1,270,588				
1.04	Custom Film and Glass Frit	✓	3422 / 1300	sf	\$52,000	✓	14,787		included	✓			\$102,000				
1.05	Exterior Storefront Doors	✓	20	leaf	\$260,000	✓			included	✓			\$468,576				
1.06	Door Hardware	✓	20	leaf	\$70,000	✓			included	✓			included	Design Contingency	2%	\$44,013	
1.07	Engineered shop drawings and structural calculations	✓			\$70,000	✓			included	✓			\$258,000	Escalation	4.50%	\$99,029	
BASE BID VALUE					\$2,352,000				\$2,412,200				\$6,320,210			\$2,343,684	
2.00	POST BID ADJUSTMENTS (scope or value adjustments after review)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Fire Rated Openings	✓			included	✓			included								
2.02	Flashing at head and sill of windows	✓			included	✓			included								
2.03	RFI# 79 - Exterior Storefront Doors - 20 Mins	✓			included	✓			included	✓			Included				
2.04	RFI# 79 - Exterior Glazing to be dual glazed system (with a min of 1 pane to be tempered)	✓			included	✓			included	✓			included				
2.05	RFI #81 08 87 00 Solar Control Window film @ A9.21, A9.23, A9.24, A9.25 08 87 33 Decorative Film @ A9.26, A9.27	✓			included solar film / decorative is part of interior package	✓			included	✓			included				
2.06																	
2.07																	
2.08																	
POST BID ADJUSTMENT SUBTOTAL					\$0				\$0				\$0			\$0	
3.00	SUBCONTRACT VALUE				\$2,352,000				\$2,412,200				\$6,320,210			\$2,343,684	
4.00	INSURANCE & TAX		Rate		Value		Rate		Value		Rate		Value				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>08800 Glass &amp; Glazing - Exterior</b>	Aragon Construction, Inc.	Corona Aluminum Co.	Woodbridge Glass, Inc.	DPR Estimate Value									
Scope of Work:	<b>Glass &amp; Glazing</b>	David Bratton	William Ellis	Matt Kamper										
Bid Date:	<b>Feb 19,2021</b>	<a href="mailto:Dbratton@aragonconstruction.com">Dbratton@aragonconstruction.com</a>	bill@coronaaluminum.com	Mattk@woodbridgeglass.com										
		RECOMMENDED												
INSURANCE & TAX SUBTOTAL			\$0		\$0		\$0	\$0						
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	
5.01	Misc. additional testing				\$15,000				\$15,000				\$15,000	
5.02	Building leave outs / access openings				\$10,000				\$10,000				\$10,000	
5.03	Flashing coordination at windows				\$8,500				\$8,500				\$8,500	
5.04	Protection at high traffic areas				\$10,000				\$10,000				\$10,000	
5.05	Factory visit / verification				\$3,500				\$3,500				\$3,500	
5.06														
5.07														
COSTS TO COMPLETE SUBTOTAL					\$47,000				\$47,000				\$47,000	
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>				<b>\$2,399,000</b>				<b>\$2,459,200</b>				<b>\$6,367,210</b>	<b>\$2,343,684</b>
% Variance from DPR Estimate Value					2%				5%				172%	
\$ Variance from DPR Estimate Value					\$55,316				\$115,516				\$4,023,526	
DPR'S RECOMMENDED BIDDER		Aragon Construction, Inc.			-			-						
Comments														



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	08850 Glass & Glazing - Interior				Aragon Construction, Inc.				Corona Aluminum Co.				Woodbridge Glass, Inc.				DPR Estimate Value				
Scope of Work:	Glass & Glazing				David Bratton (714) 328-3574 Dbratton@aragonconstruction.com				NO BID (951) 687-5232 bill@coronaaluminum.com				Matt Kamper (714) 715-5116 Matk@woodbridgeglass.com								
Bid Date:	Feb 19,2021				Prequalification Status				Prequalification Status				Prequalification Status								
	Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents								
1.00	<b>BASE BID (bidder's proposed value)</b>				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value	
1.01	Interior Aluminum Storefront Systems				✓			\$371,875					✓			\$882,947				\$492,445	
1.02	Fire-Rated Glazing Systems				✓			\$78,607					✓			\$97,500					
1.03	Interior Decorative/Privacy Film				✓			\$41,053					✓			\$198,803					
1.04	Interior Punched/Pass Windows				✓			\$8,850					✓			\$28,986					
1.05	Interior Aluminum Door, Frame and Hardware				✗			not required					✓			\$34,238					
1.06	Smoke Baffles				✓			\$108,200					✓			\$137,239					
1.07	Other				✓			\$48,200												Design Contingency & Escalation	\$32,009
	<b>BASE BID VALUE</b>							<b>\$656,785</b>								<b>\$1,379,713</b>					<b>\$524,454</b>
2.00	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value	
2.01	ADD ALT: Aluminum Frames for Wood Doors				✓			\$125,000					✓			included					
2.02	ADD ALT: Glass Guardrail at Lobby Stair #2 - At all levels				✓			\$82,540					✓			\$251,962					
2.03	Demising wall covers				✓			included													
2.04	Stair 1 - Floor 3 & 4 Doors - Fire Rated Steel doors with Aluminum clad sidelite fire rated Frames.				✓			included													
	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>							<b>\$207,540</b>				<b>\$0</b>				<b>\$251,962</b>					<b>\$0</b>
3.00	<b>SUBCONTRACT VALUE</b>							<b>\$864,325</b>				<b>\$0</b>				<b>\$1,631,675</b>					<b>\$524,454</b>
4.00	<b>INSURANCE &amp; TAX</b>					Rate		Value		Rate		Value		Rate		Value					
	<b>INSURANCE &amp; TAX SUBTOTAL</b>							<b>\$0</b>				<b>\$0</b>				<b>\$0</b>					<b>\$0</b>
5.00	<b>COSTS TO COMPLETE (scope associated with the work)</b>					Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	
5.01	Hardware coordination							\$8,500								\$8,500					
	<b>COSTS TO COMPLETE SUBTOTAL</b>							<b>\$8,500</b>				<b>\$0</b>				<b>\$8,500</b>					<b>\$0</b>



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>08850 Glass &amp; Glazing - Interior</b>	Aragon Construction, Inc.	Corona Aluminum Co.	Woodbridge Glass, Inc.	DPR Estimate Value
Scope of Work:	<b>Glass &amp; Glazing</b>	David Bratton (714) 328-3574 Dbratton@aragonconstruction.com	<b>NO BID</b> (951) 687-5232 bill@coronaaluminum.com	Matt Kamper (714) 715-5116 Mattk@woodbridgeglass.com	
Bid Date:	<b>Feb 19,2021</b>				
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$872,825</b>	<b>\$0</b>	<b>\$1,640,175</b>	<b>\$524,454</b>
	% Variance from DPR Estimate Value	66%	-100%	213%	
	\$ Variance from DPR Estimate Value	\$348,371	\$0	\$1,115,721	
	<b>DPR'S RECOMMENDED BIDDER</b>	Aragon Construction, Inc.	-	-	
	Comments		Non responsive		



**Glendale Community College - New Science Building  
Bid Evaluation Sheet**

**Bid Tally Sheet**

Bid Package:	<b>09200 Plaster</b>	Martin Bros. / Marcowall, Inc.				Rutherford Co., Inc.				The Nevell Group, Inc.				DPR Estimate Value			
Scope of Work:	<b>Plaster</b>	Brad Martin (310) 532-5335				Brian Liebman (323) 666-5284 brian@rutherfordco.net				Wayne Weiner (714) 714-1738 wweiner@nevellgroup.com							
Bid Date:	<b>Feb 19,2021</b>									<b>RECOMMENDED</b>							
		Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents		0.10		Predicted Safety Incidents		2.06		Predicted Safety Incidents		0.16					
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.0	Lath and Plaster	✓			\$1,238,342	✓			\$1,089,000	✓			\$755,158				\$1,407,178
1.1	Fluid Applied Weather Barrier	✓			\$247,322	✓			\$251,000	✓			\$408,889				
1.2	Rigid Insulation	✓			\$421,035	✓			\$250,000	✓			\$427,050	Design Conting.	2%		\$28,144
1.3	Composite Clean Up	✓			\$16,678	✓			\$22,000	✓			\$10,959	Escalation	4.50%		\$63,323
	<b>BASE BID VALUE</b>				<b>\$1,923,377</b>				<b>\$1,612,000</b>				<b>\$1,602,056</b>				<b>\$1,498,644</b>
<b>2.00</b>	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01	Reveals per 14/A10.16 - full depth	✓			included	✓			included	✓			included				
2.02	Caulking at plaster to plaster & plaster to other systems	✓			included	✓			included	✓			included				
2.03																	
2.04																	
	<b>BID VERIFICATION &amp; DUE DILLIGENCE SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$1,923,377</b>				<b>\$1,612,000</b>				<b>\$1,602,056</b>				<b>\$1,498,644</b>
<b>4.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
4.01	Caulking coordination between trades				\$7,500				\$7,500				\$7,500				
4.02	Plaster patching / rework at misc elec boxes/ attachments				\$6,500				\$6,500				\$6,500				
4.03	Control Joints / Expansion joints shop dwg coordination				\$10,000				\$10,000				\$10,000				
4.04	Weather barrier coordination with metal panels				\$15,000				\$15,000				\$15,000				
4.05																	
4.06																	
4.07																	
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$39,000</b>				<b>\$39,000</b>				<b>\$39,000</b>				<b>\$0</b>



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	09200 Plaster	Martin Bros. / Marcowall, Inc.	Rutherford Co., Inc.	The Nevell Group, Inc.	DPR Estimate Value
Scope of Work:	Plaster	Brad Martin (310) 532-5335	Brian Liebman (323) 666-5284 brian@rutherfordco.net	Wayne Weiner (714) 714-1738 wweiner@nevellgroup.com	
Bid Date:	Feb 19,2021			RECOMMENDED	
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$1,962,377</b>	<b>\$1,651,000</b>	<b>\$1,641,056</b>	
	% Variance from DPR Estimate Value	31%	10%	10%	
	\$ Variance from DPR Estimate Value	\$463,733	\$152,356	\$142,412	
	<b>DPR'S RECOMMENDED BIDDER</b>	-	-	The Nevell Group, Inc.	
	Comments				





Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>09260 Drywall</b>	Standard Drywall, Inc.	The Nevell Group, Inc.	Rutherford Co., Inc.	DPR Estimate Value
Scope of Work:	<b>Drywall</b>	Randy McCorquodale (619) 443-7034 RandyM@standarddrywall.com	Shannon Phillips (714) 579-7501 shannon@nevellgroup.com	David Rutherford (323) 666-5284 david@rutherfordco.net	
Bid Date:	<b>Feb 19,2021</b>		Recommended		
5.09					
5.10					
	COSTS TO COMPLETE SUBTOTAL		\$75,000	\$75,000	\$0
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$7,672,190</b>	<b>\$6,176,000</b>	<b>\$9,052,000</b>	<b>\$6,853,177</b>
	% Variance from DPR Estimate Value	12%	-10%	32%	
	\$ Variance from DPR Estimate Value	\$819,013	(\$677,177)	\$2,198,823	
	DPR'S RECOMMENDED BIDDER	-	The Nevell Group, Inc.	-	
	Comments				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>09300 Tile</b>				Charles McCandless Tile Contractor, Inc.				Continental Marble and Tile Company				Inland Pacific Tile, Inc.				Premier Tile & Marble				DPR Estimate Value			
Scope of Work:	<b>Tile</b>				Estimating Department (714) 542-4433 bids@mccandlesstile.com				George R Ballantyne (951) 284-1776 x101 george@cmtc.us				Rich Jacobs (909) 890-4526 rich@inlandpacifictile.com				Greg Games, Sr (310) 516-1712 ggames@premiertile.com							
Bid Date:	<b>Feb 26,2021</b>												<b>Recommended</b>											
	Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status											
	Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents											
1.00	<b>BASE BID (bidder's proposed value)</b>				<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	Ceramic Tile (CT1 - CT11)							\$344,750				\$362,458				\$337,300				\$394,883				\$410,719
1.02	Ceramic Tile Base (CTB-1 &CTB-2)							\$3,500				Incl				\$12,600				\$2,810				
1.03	Schluter Dilex-AHK - Aluminum Cove-Shaped Transition Strip (ACB-1)							\$12,000				Incl				\$5,000				\$9,557				
	<b>BASE BID VALUE</b>							\$360,250				\$362,458				\$354,900				\$407,250				\$437,416
2.00	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>				<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
	<b>BID VERIFICATION &amp; DUE DILLIGENCE SUBTOTAL</b>							\$0				\$0				\$0				\$0				\$0
3.00	<b>SUBCONTRACT VALUE</b>				\$360,250				\$362,458				\$354,900				\$407,250				\$437,416			
4.00	<b>INSURANCE &amp; TAX</b>					<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
4.01																								
4.02																								
	<b>INSURANCE &amp; TAX SUBTOTAL</b>							\$0				\$0				\$0				\$0				\$0
5.00	<b>COSTS TO COMPLETE (scope associated with the work)</b>					<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Composite Clean-up Crew						LS	\$1,500			LS	Incl			LS	Incl			LS	Incl				
5.02	Floor prep / floating @ all tile flooring locations						LS	\$27,500			LS	\$27,500			LS	\$27,500			LS	\$27,500				
5.03	Prep at walls to comply with aesthetic intent						LS	\$30,000			LS	\$30,000			LS	\$30,000			LS	\$30,000				
5.04																								
5.05																								
5.06																								
5.07																								
5.08																								
5.09																								
5.10																								
	<b>COSTS TO COMPLETE SUBTOTAL</b>							\$59,000				\$57,500				\$57,500				\$57,500				\$0
6.00	<b>TOTAL PACKAGE VALUE</b>				<b>\$419,250</b>				<b>\$419,958</b>				<b>\$412,400</b>				<b>\$464,750</b>				<b>\$437,416</b>			



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>09300 Tile</b>	Charles McCandless Tile Contractor, Inc.	Continental Marble and Tile Company	Inland Pacific Tile, Inc.	Premier Tile & Marble	DPR Estimate Value
Scope of Work:	<b>Tile</b>	Estimating Department (714) 542-4433 bids@mccandlesstile.com	George R Ballantyne (951) 284-1776 x101 george@cmtc.us	Rich Jacobs (909) 890-4526 rich@inlandpacifictile.com	Greg Games, Sr (310) 516-1712 ggames@premiertile.com	
Bid Date:	<b>Feb 26,2021</b>			Recommended		
	% Variance from DPR Estimate Value	-4%	-4%	-6%	6%	
	\$ Variance from DPR Estimate Value	(\$18,166)	(\$17,458)	(\$25,016)	\$27,334	
	DPR'S RECOMMENDED BIDDER	-	-	Inland Pacific Tile, Inc.	-	
	Comments					



Glendale Community College - New Science Building  
Bid Evaluation Sheet

### Bid Tally Sheet

Bid Package:	<b>09400 Terrazzo</b>				Corradini Corp.				Mike Payne & Associates, Inc.				DPR Estimate Value			
Scope of Work:	<b>Terrazzo</b>				Chris Corradini (323) 221-3191 chrisc@corradinincorp.com				Mike Payne (951) 674-8377 mike@payneterrazzo.com							
Bid Date:	<b>Feb 26,2021</b>				Recommended											
					Prequalification Status				Prequalification Status							
					Predicted Safety Incidents				Predicted Safety Incidents							
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>				<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	TT1 - Terrazzo Flooring				✔	2,325	sf	\$92,610				\$737,952				\$382,584
													Design conting. & escalation		\$24,868	
<b>BASE BID VALUE</b>								<b>\$92,610</b>				<b>\$737,952</b>				<b>\$407,452</b>
<b>2.00</b>	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>				<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01	5/8" floor fill				✔			\$27,840				\$27,840				
2.02	Deduct epoxy flooring				✔			not included				(\$641,846)				
2.03																
2.04																
<b>BID VERIFICATION &amp; DUE DILLIGENCE SUBTOTAL</b>								<b>\$27,840</b>				<b>(\$614,006)</b>				<b>\$0</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$120,450</b>				<b>\$123,946</b>				<b>\$407,452</b>			
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>					<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
<b>INSURANCE &amp; TAX SUBTOTAL</b>								<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>					<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Temp protection					2,325	sf	\$6,975				\$6,975				
5.02	Transitions and reducers - gray areas					1	ls	\$4,500				\$4,500				
5.03	Temp power 480v/220v feed							\$5,000				\$5,000				
5.04	Protection of surrounding areas during placement and grinding							\$8,500				\$8,500				
5.05																
5.06																



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>09400 Terrazzo</b>	Corradini Corp.	Mike Payne & Associates, Inc.	DPR Estimate Value
Scope of Work:	<b>Terrazzo</b>	Chris Corradini (323) 221-3191 chrisc@corradinincorp.com	Mike Payne (951) 674-8377 mike@payneterrazzo.com	
Bid Date:	<b>Feb 26,2021</b>	Recommended		
5.07				
5.08				
5.09				
5.10				
COSTS TO COMPLETE SUBTOTAL			\$24,975	\$24,975
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$145,425</b>	<b>\$148,921</b>	<b>\$407,452</b>
% Variance from DPR Estimate Value		-64%	-63%	
\$ Variance from DPR Estimate Value		(\$262,027)	(\$258,531)	
DPR'S RECOMMENDED BIDDER		Corradini Corp.	-	
Comments				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	09510 Acoustical Ceilings				Coustic-Glo				Preferred Ceilings, Inc.				The Nevell Group, Inc.				DPR Estimate Value			
Scope of Work:	Acoustical Ceilings				Mark Flanders (805) 432-3320 mark@cousticglo.net				Rick Risser (714) 255-9336 rick@preferredceilings.com				Jonathan Quijano (909) 559-9497 <a href="mailto:Jquijano@Nevellgroup.com">Jquijano@Nevellgroup.com</a>							
Bid Date:	Feb 26,2021				Prequalification Status				Prequalification Status				Prequalification Status							
				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents								
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Suspended T-bar Ceiling (AC1, AC2, AC3, AC4)				✓	61,150		\$647,658	✓			\$788,900	✓	51,119		\$705,363			\$695,995	
1.02	Acoustical Wall Panels (AWP, AWP2)				✓	460	sf	\$24,102	✓			\$15,100	✓	500		\$23,840				
1.03	Acoustical Metal Ceiling (SPC1)				✓	650	sf	\$73,273	✓			\$69,700	✓	656		\$73,722				
1.04	Composite Cleanup				✓			\$3,200	✓			\$9,700	✓	11	hr	\$6,322				
1.05	BIM Modeling per Exhibit 4				✓			\$5,000	✓			\$8,500	✓	100	hr	\$6,500				
1.06	Other				✓	22	ea	\$21,542				n/a	✓	0.22%	Textura	\$1,785	Design Cont/Escalation		\$45,240	
	BASE BID VALUE							\$774,775				\$891,900				\$817,532			\$741,235	
2.00	BID VERIFICATION & DUE DILLIGENCE				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Project Mounts F&I				✓	22	ea	included					✓			included				
2.02	Seismic Bracing at all Pendant Light Penetrations - 4/A10.33				✓			included					✓	\$54,601.00		included				
2.03	Perimeters 2" Wall angle per detail - 2.60/A10.31.				✓			included					✓			included				
	BID VERIFICATION & DUE DILLIGENCE							\$0				\$0				\$0			\$0	
3.00	SUBCONTRACT VALUE							\$774,775				\$891,900				\$817,532			\$741,235	
4.00	INSURANCE & TAX					Rate		Value		Rate		Value		Rate		Value				
	INSURANCE & TAX SUBTOTAL							\$0				\$0				\$0			\$0	
5.00	COSTS TO COMPLETE (scope associated with the work)					Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	Qty	Unit	Value	
5.01	Misc repair to ceiling grid							\$8,000.00				\$8,000.00				\$8,000.00				
5.02	Move-ins for ceiling Tiles after commissioning							\$5,500				\$5,500				\$5,500				
5.03	Ceiling repair at IT ceiling cable poles							\$5,500				\$5,500				\$5,500				
5.04	Additional Caulking at acoustical conditions							\$5,000				\$5,000				\$5,000				
	COSTS TO COMPLETE SUBTOTAL							\$24,000				\$24,000				\$24,000			\$0	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>09510 Acoustical Ceilings</b>	<b>Coustic-Glo</b>	<b>Preferred Ceilings, Inc.</b>	<b>The Nevell Group, Inc.</b>	DPR Estimate Value
Scope of Work:	<b>Acoustical Ceilings</b>	Mark Flanders (805) 432-3320 mark@cousticglo.net	Rick Risser (714) 255-9336 rick@preferredceilings.com	Jonathan Quijano (909) 559-9497 <a href="mailto:jquijano@nevellgroup.com">jquijano@nevellgroup.com</a>	
Bid Date:	<b>Feb 26,2021</b>				
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$798,775</b>	<b>\$915,900</b>	<b>\$841,532</b>	
	% Variance from DPR Estimate Value	8%	24%	14%	
	\$ Variance from DPR Estimate Value	\$57,540	\$174,665	\$100,297	
	DPR'S RECOMMENDED BIDDER	Coustic-Glo	-	-	
	Comments				



\*PROJECT NAME\*

Bid Evaluation Sheet

Bid Package:	Epoxy Flooring	Commercial Interior Resources				Mark Payne & Associates				Bonas				DPR Estimate Value			
		Phil Bannan				Mike Payne				Mark Cheney							
Scope of Work:		<a href="mailto:pbannan@cir-resource.com">pbannan@cir-resource.com</a>															
Work:		949-616-6282				951-674-8377											
Bid Date:	3/30/2017	Recommended				No bid form / did not submit revised bid				No bid form / did not submit revised bid							
		Prequalification Status			Prequalification Status			Prequalification Status			Prequalification Status						
		Predicted Safety Incidents			Predicted Safety Incidents			Predicted Safety Incidents			Predicted Safety Incidents						
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
	Epoxy Flooring (EF1, EF2)	✓	13,093	sf	\$353,540	⚠			\$614,454	⚠			\$294,593	Estimate value included in Terrazzo			
	Traffic Coating (EF-3)	✓	307	sf	\$6,620	✓			\$4,500	✓			\$5,296				
	Temporary Protection	✓	13,400	sf	\$10,720	⚠				⚠							
	Floor Prep	✓			included above												
	<b>BASE BID VALUE</b>				<b>\$370,880</b>				<b>\$618,954</b>				<b>\$299,889</b>				
<b>2.00</b>	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Temporary protection	✓			included	✗				✗			\$10,720				
2.02	Floor Prep	✓			included	✗				⚠			\$7,500				
2.03	Filled out A2	✓			yes	✗				✗							
2.04																	
2.05																	
	<b>BID VERIFICATION &amp; DUE DILLIGENCE SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$18,220</b>			<b>\$0</b>	
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$370,880</b>				<b>\$618,954</b>				<b>\$318,109</b>			<b>\$0</b>	
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		Rate		Value		Rate		Value		Rate		Value				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>			<b>\$0</b>	
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	Qty	Unit	Value	
5.01	Mockup				\$5,000				\$5,000				\$5,000				
5.02																	
5.03																	
5.04																	
5.05																	
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$5,000</b>				<b>\$5,000</b>				<b>\$5,000</b>			<b>\$0</b>	
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>				<b>\$375,880</b>				<b>\$623,954</b>				<b>\$323,109</b>	<b>\$0</b>			
	% Variance from DPR Estimate Value																
	\$ Variance from DPR Estimate Value				\$375,880				\$623,954				\$323,109				



\*PROJECT NAME\*

Bid Evaluation Sheet

Bid Package:	<b>Epoxy Flooring</b>	Commercial Interior Resources	Mark Payne & Associates	Bonas	DPR Estimate Value
Scope of Work:		Phil Bannan <a href="mailto:pbannan@cir-resource.com">pbannan@cir-resource.com</a> 949-616-6282	Mike Payne 951-674-8377	Mark Cheney	
	<b>DPR'S RECOMMENDED BIDDER</b>	Commercial Interior Resources	-	-	
	Comments		Non-Responsive Bid	Non-Responsive Bid	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	09680 Flooring				Commercial Interior Resources				New Tangram, LLC				The M.S. Rouse Company, Inc.				DPR Estimate Value			
	Flooring				Phil Bannan (949) 752-1470 x242 pbannan@cir-resource.com				Mitchel Zelinger mzelinger@tangraminteriors.com				Autumn Absher (310) 764-4695 aabsher@rousecompany.com							
Scope of Work:	Feb 26, 2021				Prequalification Status				Prequalification Status				Prequalification Status							
Bid Date:	Feb 26, 2021				Predicted Safety Incidents 1.08				Predicted Safety Incidents 0.36				Predicted Safety Incidents 1.77							
				Recommended																
				Prequalification Status				Prequalification Status				Prequalification Status								
				Predicted Safety Incidents 1.08				Predicted Safety Incidents 0.36				Predicted Safety Incidents 1.77								
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value				
1.01	Carpet				\$85,000				\$76,530		1,645	sy	\$77,350			\$446,349				
1.02	Resilient Flooring and Base				\$380,000				\$386,471		51,150	sf	\$371,050							
1.03	Walk-Off Mats				\$5,000				\$9,547		63	sy	\$3,800							
1.04	Temporary Protection				\$44,388				\$16,864				\$25,000							
1.05	Floor Prep				\$3,600				\$82,521				minor prep included							
1.06	Schuter Transitions / stair nosings				\$12,500				\$21,249				\$5,000							
1.07	Other				\$49,512									Design Conting. & Escalation		\$30,327				
<b>BASE BID VALUE</b>					<b>\$580,000</b>				<b>\$593,182</b>				<b>\$482,200</b>			<b>\$476,676</b>				
<b>2.00</b>	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>				
2.01	Sealed Concrete				in painting				in painting				in painting							
2.02	Polished Concrete				see CTCs below				see CTCs below				see CTCs below							
2.03	Composite cleanup	✓			included					⚠			confirm							
2.04	Moisture testing	✓			included					⚠			confirm							
2.05	Final cleaning of floors	✓			cluded - alt deduct (\$9,851)				by final cleaning sub				by final cleaning sub							
2.06																				
2.07																				
<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>					<b>(\$9,851)</b>				<b>\$0</b>				<b>\$0</b>			<b>\$0</b>				
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>	<b>\$570,149</b>				<b>\$593,182</b>				<b>\$482,200</b>				<b>\$476,676</b>						
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>							
<b>INSURANCE &amp; TAX SUBTOTAL</b>					<b>\$0</b>				<b>\$0</b>				<b>\$0</b>			<b>\$0</b>				
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>				
5.01	Vapor Emissions Treatment per 09 05 61				in allowances				in allowances				in allowances							
5.02	Polished Concrete				\$11,500				\$11,500				\$11,500							
5.03	Additional floor prep / heavy prep				\$10,000				\$10,000				\$10,000							
5.04	Stair nosing per forthcoming RFI				\$18,000				\$18,000				\$18,000							
5.05	Trade damage				\$9,500				\$9,500				\$9,500							
5.06																				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>09680 Flooring</b>	Commercial Interior Resources	New Tangram, LLC	The M.S. Rouse Company, Inc.	DPR Estimate Value
Scope of Work:	<b>Flooring</b>	Phil Bannan (949) 752-1470 x242 pbannan@cir-resource.com	Mitchel Zelinger mzelinger@tangraminteriors.com	Autumn Absher (310) 764-4695 aabsher@rousecompany.com	
Bid Date:	<b>Feb 26, 2021</b>			<b>Recommended</b>	
	COSTS TO COMPLETE SUBTOTAL	\$49,000	\$49,000	\$49,000	
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$619,149</b>	<b>\$642,182</b>	<b>\$531,200</b>	<b>\$476,676</b>
	% Variance from DPR Estimate Value	30%	35%	11%	
	\$ Variance from DPR Estimate Value	\$142,473	\$165,506	\$54,524	
	<b>DPR'S RECOMMENDED BIDDER</b>	-	-	The M.S. Rouse Company, Inc.	
	Comments				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	09900 Painting & WC				Bonas				Borbon Incorporated				General Coatings Corporation - LATE BID, NO A2				DPR Estimate Value			
Scope of Work:	Painting & WC				Mark Cheney (714) 701-1360 mcheney@bonasco.com				John Kim (562) 977-7343 <a href="mailto:JohnK@boron.net">JohnK@boron.net</a>				Victor Bernache (909) 204-4150 x316 VBernache@gencoat.com							
Bid Date:	Feb 26,2021				Prequalification Status				Prequalification Status				Prequalification Status							
					Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
					2.06				0.32				0.87							
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Painting (PE1 - PE8, PS1 & EP1)				✓			\$277,432	✓			\$582,316	✓			\$271,800			\$351,874	
1.02	Custom Digital Wall Covering (WG1 & WG2)				✓	1	ls	\$20,000	✓			\$87,364	✗			not included				
1.03	Tackable Wall Covering (TWC1)				✓	320	sf	\$8,000	✓			\$21,228	✗			not included				
1.04	Other				✓	Exterior		\$34,160												
<b>BASE BID VALUE</b>								<b>\$339,592</b>				<b>\$690,908</b>				<b>\$271,800</b>			<b>\$351,874</b>	
2.00	BID VERIFICATIONS AND DUE DILLIGENCE				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Remove - Paint at exposed columns to have Intumescent paint				✓			not included	✓			(\$126,330)	!							
2.03	Remove - Paint at Plaster				✓			not included	✓			deduct included in 2.01	✓			not included				
2.04	Remove - Paint at Fascia				✓			not included	✓			deduct included in 2.01	!							
2.05	Remove - Paint at Flashings				✓			not included	✓			deduct included in 2.01	!							
2.06	Paint exposed ceilings				✓			included	✓			included	✓			included				
2.07	Paint all components above 10ft datum at exposed ceilings				✓			included	✓			included	!							
2.08	Paint at Exterior handrails				✓			included	✓			included	✓			included				
<b>BID VERIFICATIONS AND DUE DILLIGENCE</b>								<b>\$0</b>				<b>(\$126,330)</b>				<b>\$0</b>			<b>\$0</b>	
3.00	SUBCONTRACT VALUE				\$339,592				\$564,578				\$271,800				\$351,874			
4.00	INSURANCE & TAX				Rate	Value	Rate	Value	Rate	Value	Rate	Value								
<b>INSURANCE &amp; TAX SUBTOTAL</b>						<b>\$0</b>		<b>\$0</b>		<b>\$0</b>		<b>\$0</b>								
5.00	COSTS TO COMPLETE (scope associated with the work)				Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	
5.01	Unidentified trade damage						\$10,000			\$10,000			\$10,000	Cont/Esc		\$22,872				
5.02	Misc Flashing not integral to other trades						\$7,500			\$7,500			\$7,500							
5.03	Paint at penhouse walls and doors						\$15,000			\$15,000			\$15,000							
6.02	Exposd ceiling touch-ups/protection of adjacent work						\$30,000			\$30,000			\$30,000							
<b>COSTS TO COMPLETE SUBTOTAL</b>							<b>\$62,500</b>			<b>\$62,500</b>			<b>\$62,500</b>			<b>\$22,872</b>				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>09900 Painting &amp; WC</b>	Bonas	Borbon Incorporated	General Coatings Corporation - <b>LATE BID, NO A2</b>	DPR Estimate Value
Scope of Work:	<b>Painting &amp; WC</b>	Mark Cheney (714) 701-1360 mcheney@bonasco.com	John Kim (562) 977-7343 <a href="mailto:JohnK@boron.net">JohnK@boron.net</a>	Victor Bernache (909) 204-4150 x316 VBernache@gencoat.com	
Bid Date:	<b>Feb 26,2021</b>				
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$402,092</b>	<b>\$627,078</b>	<b>\$334,300</b>	<b>\$374,746</b>
	% Variance from DPR Estimate Value	7%	67%	-11%	
	\$ Variance from DPR Estimate Value	\$27,346	\$252,332	(\$40,446)	
	<b>DPR'S RECOMMENDED BIDDER</b>	Bonas	-	-	
	<b>Comments</b>				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>10000 Specialties</b>	Seamless Care, Inc				Preferred - 1st round of bidding, No A2.				DPR Estimate Value			
Scope of Work:	<b>Specialties</b>	Morgan Maynard (951) 217-1271 <a href="mailto:Morgan@seamlesscareinc.com">Morgan@seamlesscareinc.com</a>											
Bid Date:	<b>Mar 02,2021</b>												
		Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents							
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	Fire Extinguisher & Cabinets	✔			\$28,364	✔							\$136,458
1.02	Corner Guards	✔			\$50,286	✘							
1.03	Fiberglass Reinforced Plastic Panels (FRP)	✘			not included	✘							
1.04	Bird Deterrence Systems	✔			\$33,892	✘							\$51,200
1.05	Other												
	<b>BASE BID VALUE</b>				<b>\$112,542</b>				<b>\$73,339</b>				<b>\$187,658</b>
<b>2.00</b>	<b>POST BID ADJUSTMENTS (scope or value adjustments after review)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01	ADD ALT - F&I TV Mounts including installation of owner furnished TVs	✔			\$1,580	✘							
2.02	ADD ALT - Two-way Communication System	✔			\$15,037	✘							
2.03	Remove- Bird Deterrence Systems - Per Construction RFI#70	✔			(\$33,892)								
	<b>POST BID ADJUSTMENT SUBTOTAL</b>				<b>(\$17,275)</b>				<b>\$0</b>				<b>\$0</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$95,267</b>				<b>\$73,339</b>				<b>\$187,658</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Fiberglass Reinforced Plastic Panels FRP				\$12,000				\$12,000	Esc/Cont			\$12,198
5.02	Conduit and Box for Two-way Communication System (Wiring by GCC IT)				\$5,000				\$5,000				
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$17,000</b>				<b>\$17,000</b>				<b>\$12,198</b>



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>10000 Specialties</b>	Seamless Care, Inc	Preffered - 1st round of bidding, No A2.	DPR Estimate Value
Scope of Work:	<b>Specialties</b>	Morgan Maynard		
		(951) 217-1271		
Bid Date:	<b>Mar 02,2021</b>			
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$112,267</b>	<b>\$90,339</b>	<b>\$199,856</b>
	% Variance from DPR Estimate Value	-44%	-55%	
	\$ Variance from DPR Estimate Value	(\$87,589)	(\$109,517)	
	<b>DPR'S RECOMMENDED BIDDER</b>	Seamless Care, Inc	-	
	Comments			



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>10150 Partitions &amp; Accessories</b>	Seamless Care, Inc				Stumbaugh				DPR Estimate Value			
Scope of Work:	<b>Partitions &amp; Accessories</b>	Morgan Maynard				Tim Reashon							
Bid Date:	<b>Mar 02,2021</b>	951-217-1271				818-303-1140							
		morgan@semlesscareinc.com				timr@stumbaugh.com							
		Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents							
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	Toilet Partitions & Urinal Screens	✓			\$48,919	✓	30, 8		\$68,773				\$133,047
1.02	Bathroom Accessories	✓			\$18,936	✓	74		\$24,643				
1.03	Framed Mirrors	✓			\$9,846	✓	10		\$19,597				
1.04	Warm Air Hand Dryer	✓			\$26,558	✓	21		\$30,918				
1.05	Soap Dispenser - OFCI	✓			\$1,367	✓	32		\$800				
1.06	Towel Dispenser - OFCI	✗			\$0	✓	8		\$200				
1.07	Towel Dispenser / Disposal Combination - OFCI	✓			\$1,276	✓	14		\$350				
1.08	Sanitary Napkin Disposal - OFCI	✓			\$219	✓	4		\$100				
1.09	Other Accessories												
	<b>BASE BID VALUE</b>				<b>\$107,121</b>				<b>\$145,381</b>				<b>\$133,047</b>
<b>2.00</b>	<b>BID VERIFICATION AND DUE DILIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
	BID VERIFICATION AND DUE DILIGENCE				\$0				\$0				\$0
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$107,121</b>				<b>\$145,381</b>				<b>\$133,047</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
	INSURANCE & TAX SUBTOTAL				\$0				\$0				\$0
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	OFCI Coordination				\$5,000				\$5,000	Esc/Cont			\$8,648
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$5,000</b>				<b>\$5,000</b>				<b>\$8,648</b>



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>10150 Partitions &amp; Accessories</b>	Seamless Care, Inc	Stumbaugh	DPR Estimate Value
Scope of Work:	<b>Partitions &amp; Accessories</b>	Morgan Maynard	Tim Reashon	
Bid Date:		951-217-1271	818-303-1140	
	<b>Mar 02,2021</b>	morgan@semlesscareinc.com	timr@stumbaugh.com	
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$112,121</b>	<b>\$150,381</b>	<b>\$141,695</b>
	% Variance from DPR Estimate Value	-21%	6%	
	\$ Variance from DPR Estimate Value	(\$29,574)	\$8,686	
	<b>DPR'S RECOMMENDED BIDDER</b>	Seamless Care, Inc	-	
	Comments			



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	10400 Signage				A Good Sign and Graphics				Architectural Design & Signs, Inc				PVL Signs & Graphics Inc				DPR Estimate Value				
Scope of Work:	Signage				Richard Abedi (714) 444-4466 <a href="mailto:Richard@agoodsing.com">Richard@agoodsing.com</a>				Kristen Attardo (562) 343-8401 <a href="mailto:Kattardo@ad-s.com">Kattardo@ad-s.com</a>				Plamen Lachev (714) 557-3500 <a href="mailto:Plamen@pvlsigns.com">Plamen@pvlsigns.com</a>								
Bid Date:	Mar 02,2021				Prequalification Status				Prequalification Status				Prequalification Status								
				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents									
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value		
1.01	Identificaiton Signs				✓	272		\$26,000	✓			\$37,008	✓			\$135,000			\$108,082		
1.02	Dimentional Letters				✓	1		\$1,000	✓			\$850	✓			\$1,000			\$29,201		
1.03	Signs - Restrooms				✓	28		\$2,000	✓			\$4,817	✓			\$15,000					
1.04	Exit Signage				✓	86		\$8,075	✓			\$21,643	✓			\$60,000					
1.05	Other								✓	Samples and Textur		\$13,799	✓			\$10,000					
	BASE BID VALUE							\$37,075				\$78,117				\$221,000			\$137,283		
2.00	BID VERIFICATIONS AND DUE DILLIGENCE				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value		
2.01	Remove - Site parking Signage (Phase 2)				✓			not included	✓			(\$12,128)									
2.02	Mockups				✓			included	✓			included									
2.03	Evacuation Maps				✓			included	✓			included									
2.04	ADD ALT - Hallway Directional Signs				✓			included	✓	15	ea	\$8,205									
2.05	Exterior Signs - Spec 10 14 54				✓			included	✓			Included									
	BID VERIFICATIONS AND DUE DILLIGENCE							\$0				(\$3,923)				\$0			\$0		
3.00	SUBCONTRACT VALUE							\$37,075				\$74,194				\$221,000			\$137,283		
4.00	INSURANCE & TAX				Rate	Value	Rate	Value	Rate	Value	Rate	Value									
	INSURANCE & TAX SUBTOTAL					\$0		\$0		\$0		\$0		\$0							
5.00	COSTS TO COMPLETE (scope associated with the work)				Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value		
5.01	Directories and Bulletin Boards - Spec 10 13 00 - No call outs on the plans						not included			not included			not included	Esc/Cont			\$8,923				
5.02	Self Illuminous Exit Signs - No call outs on the plans						not included			not included			not included								
5.03	Building ID Sign support structure and lighting						\$7,500			\$7,500			\$7,500								
	COSTS TO COMPLETE SUBTOTAL						\$7,500			\$7,500			\$7,500				\$8,923				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>10400 Signage</b>	A Good Sign and Graphics	Architectural Design & Signs, Inc	PVL Signs & Graphics Inc	DPR Estimate Value
Scope of Work:	<b>Signage</b>	Richard Abedi (714) 444-4466 <a href="mailto:Richard@agoodsing.com">Richard@agoodsing.com</a>	Kristen Attardo (562) 343-8401 <a href="mailto:Kattardo@ad-s.com">Kattardo@ad-s.com</a>	Plamen Lachev (714) 557-3500 <a href="mailto:Plamen@pvlsigns.com">Plamen@pvlsigns.com</a>	
Bid Date:	<b>Mar 02,2021</b>				
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$44,575</b>	<b>\$81,694</b>	<b>\$228,500</b>	<b>\$146,206</b>
	% Variance from DPR Estimate Value	-70%	-44%	56%	
	\$ Variance from DPR Estimate Value	(\$101,631)	(\$64,512)	\$82,294	
	<b>DPR'S RECOMMENDED BIDDER</b>	A Good Sign and Graphics	-	-	
	Comments				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>10650 Operable Partitions</b>	Partition Specialties				Aragon Construction, Inc.				Woodbridge Glass, Inc.				DPR Estimate Value			
Scope of Work:	<b>Operable Partitions</b>	Robert Kaminski (310) 420-3874 <a href="mailto:rkaminski@psi3g.com">rkaminski@psi3g.com</a>				David Bratton (714) 328-3574 Dbratton@aragonconstruction.com				Matt Kamper (714) 715-5116 Mattk@woodbridgeglass.com							
Bid Date:	<b>Mar 02,2021</b>																
		Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	Operable Partitions - Modernfold	✔			\$73,865	✔	ADD Alt		\$96,025	✔	ADD Alt		\$227,879				\$53,109
1.02	Other																
	<b>BASE BID VALUE</b>				<b>\$73,865</b>				<b>\$96,025</b>				<b>\$227,879</b>				<b>\$53,109</b>
<b>2.00</b>	<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
	BID VERIFICATION & DUE DILLIGENCE				\$0				\$0				\$0				\$0
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$73,865</b>				<b>\$96,025</b>				<b>\$227,879</b>				<b>\$53,109</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
	INSURANCE & TAX SUBTOTAL				\$0				\$0				\$0				\$0
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Trade Coordination with RCP and Steel support				\$3,500				\$3,500				\$3,500	Esc/Cont			\$3,452
5.02	Drill steel channel for threaded rod				\$2,500				\$2,500				\$2,500				
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$6,000</b>				<b>\$6,000</b>				<b>\$6,000</b>				<b>\$3,452</b>
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>				<b>\$79,865</b>				<b>\$102,025</b>				<b>\$233,879</b>				<b>\$56,561</b>
	% Variance from DPR Estimate Value				41%				80%				313%				
	\$ Variance from DPR Estimate Value				\$23,304				\$45,464				\$177,318				
<b>DPR'S RECOMMENDED BIDDER</b>		Partition Specialties				-				-							
Comments																	



Bid Tally Sheet

Bid Package:	<b>10675 Storage Systems</b>	Gatehouse HIS, LLC				DPR Estimate Value			
Scope of Work:	<b>Storage Systems</b>	Keith Michael							
Bid Date:	<b>Mar 02,2021</b>	(562) 623-3000							
		<a href="mailto:kmichael@msctern.com">kmichael@msctern.com</a>							
		Prequalification Status							
		Predicted Safety Incidents							
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	Mobile High Density Shelving System - Spacesaver	✓	2		\$81,405				\$63,237
1.02	Other								
	<b>BASE BID VALUE</b>				<b>\$81,405</b>				<b>\$63,237</b>
<b>2.00</b>	<b>BID VERIFICATION AND DUE DILIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01	Warranty for the entire movable compact shelving installation against defect in materials and workmanship for a minimum of five years from date of acceptance by the Owner.	✓			included				
	<b>BID VERIFICATION AND DUE DILIGENCE</b>				<b>\$0</b>				<b>\$0</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$81,405</b>				<b>\$63,237</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Patch Flooring				\$2,500	Esc/Cont			\$4,110
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$2,500</b>				<b>\$4,110</b>
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>				<b>\$83,905</b>				<b>\$67,347</b>
	% Variance from DPR Estimate Value				<b>25%</b>				
	\$ Variance from DPR Estimate Value				<b>\$16,558</b>				
<b>DPR'S RECOMMENDED BIDDER</b>		Gatehouse HIS, LLC							
Comments									



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:		11600 Lab Equipment				H2I Group, Inc.				ISEC Incorporated				Saxton Bradley				DPR Estimate Value			
Scope of Work:		Lab Equipment				Carol High (949) 650-9000 CHigh@H2Igroup.com				Reg Hiebert (714) 761-5151 rhhiebert@isecinc.com				Kim Fitzgerald kim.fitzgerald@saxtonbradley.com							
Bid Date:		Feb 19,2021				Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents											
		0.45				0.08				3.19				RECOMMENDED							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value		Qty	Unit	Value				
1.01	Lab Casework				\$2,152,315				\$3,294,487				\$2,243,308				\$3,073,792				
	Standing Height Base Cabinet	✓	1,080		\$740,763	✓			included	✓	876	ea	\$493,424								
	Sitting Height Base Cabinet	✗			not included	✓			included	✓	171	ea	\$90,365								
	Knee Opening	✓	340		\$69,799	✓			included	✓	643	ea	\$165,325								
	Wall Cabinet	✓	174		\$94,508	✓			included	✓	170	ea	\$90,440								
	Special Cabinet (see below for Exhaust Cabinets)	✓	40		\$47,268	✓			included	✓	29	ea	\$18,234								
	Tall Storage Cabinet (Wood)	✓	208		\$265,435	✓			included	✓	198	ea	\$217,425								
	Open Industrial Shelving Unit	✓	13		\$8,510	✓			included	✓	16	ea	\$16,442								
	Heavy Duty Adjustable Shelving Unit	✓	3		\$3,508	✓			included	✓			included								
	Movable Table	✓	93		\$81,203	✓			included	✓	93	ea	\$30,563								
	Cadaver Table	✓	1		\$7,153	✓			included	✓	1	ea	\$15,805								
	Epoxy Countertop	✓	13,082		\$611,841	✓			included	✓	1	ls	\$555,998								
	Stainless Steel Countertop	✓	31		\$7,242	✓			included	✓	1	ls	\$5,112								
	Misc. Lab Accessories	✓			\$215,085	✓			included	✓	1	ls	\$24,104								
	Other				na				na	✓	1	ls	\$520,071								
1.02	Fume Hoods				\$642,557								\$526,333								
	4' Chemical Fume Hood	✓	6		\$56,445	✓			included	✓	6	ea	\$36,076								
	4' ADA Chemical Fume Hood	✓	14		\$133,773	✓			included	✓	14	ea	\$86,021								
	5' Chemical Fume Hood	✓	2		\$18,815	✓			included	✓	18	ea	\$133,975								
	5' ADA Chemical Fume Hood	✓	18		\$169,334	✓			included	✓	2	ea	\$16,050								
	6' Chemical Fume Hood	✓	14		\$131,704	✓			included	✓	14	ea	\$103,835								
	6' ADA Chemical Fume Hood	✓	7		\$65,852	✓			included	✓	7	ea	\$53,051								
	5' Full view Chemical Fume Hood	✓	5		\$47,820	✓			included	✓	4	ea	\$36,570								
	5' Full view ADA Chemical Fume Hood	✓	1		\$9,407	✓			included	✓	2	ea	\$19,041								
	8' ADA Chemical Fume Hood	✓	1		\$9,407	✓			included	✓	1	ea	\$8,820								
	Other				na				na	✓	ASHRAE Testing		\$32,894								
1.03	Exhaust Equipment				\$53,305								\$65,158								



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	11600 Lab Equipment	H2I Group, Inc.				ISEC Incorporated				Saxton Bradley				DPR Estimate Value			
		Carol High (949) 650-9000 CHigh@H2Igroup.com				Reg Hiebert (714) 761-5151 rhhiebert@isecinc.com				Kim Fitzgerald kim.fitzgerald@saxtonbradley.com							
Scope of Work:	Lab Equipment																
Bid Date:	Feb 19,2021									RECOMMENDED							
	Snorkel Exhaust	✓	4		\$7,673	✓			included	✓	4	ea	\$5,768				
	Tall Ventilated Storage Cabinet	✓	9		\$15,143	✓			included	✓	9	ea	\$20,638				
	Tall Corrosive Storage Cabinet	✓	14		\$23,556	✓			included	✓	15	ea	\$25,699				
	Tall Waste Storage Cabinet	✓	1		\$2,324	✓			included	✓	1	ea	\$2,488				
	Vacuum Pump Cabinet	✓	6		\$4,609	✓			included	✓	6	ea	\$10,565				
	Other				na				na				na				
<b>1.04</b>	<b>Laboratory Equipment</b>				<b>\$159,759</b>								<b>\$120,047</b>				\$803,119
	Glassware Washer/Dryer	✓	1		\$14,659	✓			included	✓	1	ea	\$16,338				
	Sterilizer (Autoclave): Small – Manual Operation	✓	1		\$67,310	✓			included	✓	1	ea	\$21,710				
	Sterilizer (Autoclave): Small	✓	1		\$61,876	✓			included	✓	1	ea	\$64,679				
	Procedure (Exam) Light	✓	1		\$15,914	✓			included	✓	1	a	\$17,320				
	Other				na				na				na				
<b>1.05</b>	<b>BIM Coordination</b>	✓	1		\$35,468	✓			included	✓			Included				
<b>1.06</b>	<b>Other</b>				na				na		1	ls	\$39,092				
	<b>BASE BID VALUE</b>				<b>\$3,043,404</b>				<b>\$3,294,487</b>				<b>\$2,993,938</b>				<b>\$3,876,911</b>
<b>2.00</b>	<b>BID VERIFICATION AND DUE DILIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01	OFCI Items:								<b>\$19,755</b>								
	Refrigerator Double Sliding Door	✓	5	ea	\$2,731	✓	5		included	✓	5		\$1,146				
	VWR® Refrigerator/Freezer	✓	6	ea	\$1,639	✓	6		included	✓	6		\$1,375				
	Thermo Scientific Revco High Performance Series Refrigerator	✓	1	ea	\$273	✓	1		included	✓	1		\$229				
	Thermo Scientific GP Series Lab Freezers	✓	2	ea	\$546	✓	2		included	✓	2		\$458				
	Full Size Freezer	✓	1	ea	\$273	✓	1		included	✓	1		\$229				
	Thermo Scientific Forma 900 Series -86 Lab Freezers (Double Door)	✓	1	ea	\$546	✓	1		included	✓	1		\$229				
	Thermo Scientific Revco High Performance Series Lab Freezers	✓	1	ea	\$273	✓	1		included	✓	1		\$229				
	Movable Laptop Cabinets	✓	1	ea	\$273	✓	1		included	✓	1		\$92				
	Drying Oven	✓	6	ea	\$1,639	✓	6		included	✓	6		\$1,375				
	Under Counter Rotovap Units	✓	3	ea	\$819	✓	3		included	✓	3		\$412				
2.02	Furnish only (Install by Plumber):																
	Stainless Steel Scullery Sink	✓			\$12,771	✓			included in base	✓			included in base				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	11600 Lab Equipment	H2I Group, Inc.			ISEC Incorporated			Saxton Bradley			DPR Estimate Value		
Scope of Work:	Lab Equipment	Carol High (949) 650-9000 CHigh@H2Igroup.com			Reg Hiebert (714) 761-5151 rhhiebert@isecinc.com			Kim Fitzgerald kim.fitzgerald@saxtonbradley.com					
Bid Date:	Feb 19,2021							RECOMMENDED					
		✓			✓			✓					
	Pull Down Eyewash	✓		\$4,186	✓		included in base	✓		included in base			
	Safety Shower with Recessed Eyewash Unit	✓		\$11,051	✓		included in base	✓		included in base			
	Safety Shower with Eyewash Bowl and Skirt	✓		\$41,608	✓		included in base	✓		included in base			
2.03	Cup Sinks (Included with fume hoods)	✓		\$1,426	✓		included in base	✓		included in base			
2.04	Epoxy Resin Sink (F&I)	✓		\$39,256	✓		included in base	✓		included in base			
2.05	Stainless Steel Sink (F&I)	✗		not included	✓		included in base	✓		included in base	Design Contingency	2%	\$77,538
2.06	Joint Sealant and Caulking	✓		included	✗		not included	✓		included	Escalation	4.50%	\$174,461
	<b>BID VERIFICATION AND DUE DILIGENCE</b>			<b>\$119,310</b>			<b>\$19,755</b>			<b>\$5,774</b>			<b>\$251,999</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>			<b>\$3,162,714</b>			<b>\$3,314,242</b>			<b>\$2,999,712</b>			<b>\$4,128,911</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		Rate	Value		Rate	Value		Rate	Value			
	<b>INSURANCE &amp; TAX SUBTOTAL</b>			<b>\$0</b>			<b>\$0</b>			<b>\$0</b>			<b>\$0</b>
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value
5.01	Mockup - To be issued in an ASI (RFI#96)				\$15,000				\$15,000				
5.02	Wire mold at Movable Tables				\$50,000				\$50,000				
5.03	OFCI Material Handling				\$10,000				\$10,000				
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$75,000</b>				<b>\$75,000</b>				<b>\$0</b>
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>			<b>\$3,237,714</b>			<b>\$3,389,242</b>			<b>\$3,074,712</b>			<b>\$4,128,911</b>
	% Variance from DPR Estimate Value			-22%			-18%			-26%			
	\$ Variance from DPR Estimate Value			(\$891,197)			(\$739,669)			(\$1,054,199)			



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>11600 Lab Equipment</b>	H2I Group, Inc.	ISEC Incorporated	Saxton Bradley	DPR Estimate Value
Scope of Work:		Carol High (949) 650-9000 CHigh@H2Igroup.com	Reg Hiebert (714) 761-5151 rhhiebert@isecinc.com	Kim Fitzgerald  kim.fitzgerald@saxtonbradley.com	
Bid Date:	<b>Feb 19,2021</b>			<b>RECOMMENDED</b>	
<b>DPR'S RECOMMENDED BIDDER</b>		-	-	Saxton Bradley	
Comments					



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>12490 Window Treatment</b>	Interior Services				Philip Draperies				DPR Estimate Value			
Scope of Work:	<b>Window Treatment</b>	Jeff Jepsen (626) 422-7869 <a href="mailto:jjepsen@interiorservices.us">jjepsen@interiorservices.us</a>				Diego Wag (626) 795 4131 <a href="mailto:diegow@phillipsdraperies.com">diegow@phillipsdraperies.com</a>							
Bid Date:	<b>Mar 02,2021</b>	Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents							
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	
1.01	Single Roller Manual Shades	✓			\$15,555	✓	56		\$14,660			\$194,647	
1.02	Double Roller Manual Shades	✓			\$105,110	✓	204		\$105,500				
1.03	Double Roller Manual Shades with track	✓			\$23,580	✓	28		\$19,800				
1.04	Extra Materials (Attic Stock)	✓			\$4,910	✓			\$6,000				
1.05	Other												
	<b>BASE BID VALUE</b>				<b>\$149,155</b>				<b>\$145,960</b>			<b>\$194,647</b>	
<b>2.00</b>	<b>POST BID ADJUSTMENTS (scope or value adjustments after review)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	
2.01	Mounting conditions per RFI#98	✓			included	✓			included				
	<b>POST BID ADJUSTMENT SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>			<b>\$0</b>	
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$149,155</b>				<b>\$145,960</b>			<b>\$194,647</b>	
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>			<b>Rate</b>	<b>Value</b>			<b>Rate</b>	<b>Value</b>				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>			<b>\$0</b>	
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Caulking and sealants				\$4,500				\$4,500	Esc/Cont			\$12,652
5.02	Backing coordination				\$5,000				\$5,000				
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$9,500</b>				<b>\$9,500</b>				<b>\$12,652</b>
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>				<b>\$158,655</b>				<b>\$155,460</b>			<b>\$207,299</b>	
	% Variance from DPR Estimate Value				-23%				-25%				
	\$ Variance from DPR Estimate Value				(\$48,644)				(\$51,839)				
	<b>DPR'S RECOMMENDED BIDDER</b>				-				Philip Draperies				
	Comments												



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>12600 Fixed Seating</b>	Sedia System	Sierra School Equipment - <b>ALT System Was Not Approved By GCC</b>	DPR Estimate Value									
Scope of Work:	<b>Multiple Seating</b>	Shannon Jeffries (312) 212-8010 <a href="mailto:sjeffroes@sediasystems.com">sjeffroes@sediasystems.com</a>	Patrick G. McDermott (661) 399-2993 <a href="mailto:Patmcdermott@ssecinc.com">Patmcdermott@ssecinc.com</a>										
Bid Date:	<b>Mar 02,2021</b>												
		Prequalification Status	Prequalification Status										
		Predicted Safety Incidents	Predicted Safety Incidents										
<b>1.00</b>	<b>BASE BID (bidder's proposed value)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
1.01	Auditorium Seating, Upholstered, spring Seat - <b>Sedia System</b>	✔			\$109,317		Alt: KI System		\$87,267				\$83,098
1.02	Other	✔	Tax		\$8,991								
	<b>BASE BID VALUE</b>				<b>\$118,308</b>				<b>\$87,267</b>				<b>\$83,098</b>
<b>2.00</b>	<b>BID VERIFICATION AND DUE DILIGENCE</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01	1 Power/1USB per user - \$14,512	✔	75		included								
	<b>BID VERIFICATION AND DUE DILIGENCE</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$118,308</b>				<b>\$87,267</b>				<b>\$83,098</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Electrical coordination for power and USB at seatings				\$5,000					Esc/Cont			\$5,401
	<b>COSTS TO COMPLETE SUBTOTAL</b>				<b>\$5,000</b>				<b>\$0</b>				<b>\$5,401</b>
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>				<b>\$123,308</b>				<b>\$87,267</b>				<b>\$88,499</b>
	% Variance from DPR Estimate Value				39%				-1%				
	\$ Variance from DPR Estimate Value				\$34,809				(\$1,232)				
<b>DPR'S RECOMMENDED BIDDER</b>		Sedia System			-								
Comments													



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	14200 Elevators	Kone Inc. (Declined to Bid)				Mitsubishi Electric US, Inc. (Declined to Bid)				Otis Elevator Company				ThyssenKrupp Elevator Corporation				DPR Estimate Value			
		David Wuethrich (714) 890-7080 dave.wuethrich@kone.com				Mike Oliver (714) 229-6504 michael.oliver@meus.me.com				Jim Scheg (415) 546-8124 jim.scheg@otis.com				Alina Renteria-Otero (562) 390-0321 socialbids@thyssenkrupp.com							
Scope of Work:	Elevators	Prequalification Status				Prequalification Status				RECOMMENDED				Prequalification Status							
Bid Date:		Predicted Safety Incidents: 0.01				Predicted Safety Incidents: 0.18				Predicted Safety Incidents: 0.01				Predicted Safety Incidents: 0.01							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	MRL Traction Passenger Elevators in New Science Building									✓	2	ea	\$471,000	✓	2	ea	\$493,690		3	ea	\$397,500
	<b>BASE BID VALUE</b>				\$0				\$0				\$471,000				\$493,690				\$397,500
2.00	BID VERIFICATION AND DUE DILIGENCE	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01	Elevator Operator Full Time for 39 weeks									✓			\$365,400	✓			\$360,237				
2.02	Operation of elevator platform or top of car for patching of shaft construction, fire caulking, or remedial shaft work.									!	60 hours included		\$9,950	✓	60 hours included		Included				
2.03	12 Months of Warranty and Service.									✓			Included	✓			Included				
2.04	Reduce Operator time to 38 weeks												(\$9,369)				(\$9,237)				
	<b>POST BID ADJUSTMENT SUBTOTAL</b>				\$0				\$0				\$365,981				\$351,000				\$0
3.00	SUBCONTRACT VALUE				\$0				\$0				\$836,981				\$844,690				\$397,500
4.00	INSURANCE & TAX																				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				\$0				\$0				\$0				\$0				\$0
5.00	COSTS TO COMPLETE (scope associated with the work)																				
5.01	Cab Flooring												Included in Flooring				Included in Flooring				
5.02	2-way comm. devices & cabling												\$4,500				\$4,500				
5.03	Temp barriers (2 sets @ every floor)												in General Requirements				in General Requirements				
5.04	Temp protection & crash deck												in General Requirements				in General Requirements				
5.05	Hoistway separation screen												in misc metals				in misc metals				
5.06																					
5.07																					
5.08																		Design Contingency	2.78%		\$11,051
5.09																		Escalation	6.29%		\$25,003
	<b>COSTS TO COMPLETE SUBTOTAL</b>				\$0				\$0				\$4,500				\$4,500				\$36,053
6.00	TOTAL PACKAGE VALUE				\$0				\$0				\$841,481				\$849,190				\$433,553
	% Variance from DPR Estimate Value				-100%				-100%				94%				96%				
	\$ Variance from DPR Estimate Value				\$0				\$0				\$407,928				\$415,637				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>14200 Elevators</b>	<b>Kone Inc. (Declined to Bid)</b>	<b>Mitsubishi Electric US, Inc. (Declined to Bid)</b>	<b>Otis Elevator Company</b>	<b>ThyssenKrupp Elevator Corporation</b>	DPR Estimate Value
Scope of Work:	<b>Elevators</b>	David Wuethrich (714) 890-7080 dave.wuethrich@kone.com	Mike Oliver (714) 229-6504 michael.oliver@meus.me.com	Jim Scheg (415) 546-8124 jim.scheg@otis.com	Alina Renteria-Otero (562) 390-0321 socialbids@thyssenkrupp.com	
Bid Date:				RECOMMENDED		
DPR'S RECOMMENDED BIDDER		-	-	Otis Elevator Company	-	
Comments						



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Package:	14400 Dumbwaiters & Lifts	TK Elevator				T.L Sheild & Associates				Mckinley - NO PROPOSAL				Otis				DPR Estimate Value			
Scope of Work:		Carl Albientz (562) 367-6187 <a href="mailto:carl.albientz@tkelevator.com">carl.albientz@tkelevator.com</a>				Craig Braund (818) 612 0083 <a href="mailto:Cbraund@TLShield.com">Cbraund@TLShield.com</a>								David Andrews 323-718-3226 <a href="mailto:David.Andrews@otis.com">David.Andrews@otis.com</a>							
Bid Date:																					
		Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
	Maintenance Lift - <b>Matot Inc</b>	✔			\$875,518	✔			\$185,216				\$495,000	✔			\$290,000				
	Dumwaiter - <b>Matot Inc</b>	✔			included	✔			\$87,939					✔			\$150,000				
	Site ADA Wheelchair Lift - <b>Symmetry: Model VPC-EL</b>	✔		Alt: Geraventa	included	✔		Alt: Savaria	\$55,813					✔		Alt: Geraventa	\$65,000				
	<b>BASE BID VALUE</b>				<b>\$875,518</b>				<b>\$328,968</b>				<b>\$495,000</b>				<b>\$505,000</b>			<b>\$201,500</b>	
2.00	BID VERIFICATION AND DUE DILIGENCE	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
	BID VERIFICATION AND DUE DILIGENCE				\$0				\$0				\$0				\$0			\$0	
3.00	SUBCONTRACT VALUE				\$875,518				\$328,968				\$495,000				\$505,000			\$201,500	
4.00	INSURANCE & TAX			Rate	Value			Rate	Value			Rate	Value			Rate	Value				
	INSURANCE & TAX SUBTOTAL				\$0				\$0				\$0				\$0			\$0	
5.00	COSTS TO COMPLETE (scope associated with the work)			Qty	Unit	Value			Qty	Unit	Value			Qty	Unit	Value			Qty	Unit	Value
5.01	Wheelchair Lift per spec - Symmetry (Ivory Standard Color)					\$20,000					\$20,000					\$20,000					\$20,000
	COSTS TO COMPLETE SUBTOTAL					\$20,000					\$20,000					\$20,000					\$20,000
6.00	TOTAL PACKAGE VALUE					<b>\$895,518</b>					<b>\$348,968</b>					<b>\$515,000</b>					<b>\$525,000</b>
	% Variance from DPR Estimate Value					317%					63%					140%					145%
	\$ Variance from DPR Estimate Value					\$680,920					\$134,370					\$300,402					\$310,402
	<b>DPR'S RECOMMENDED BIDDER</b>					-					T.L Sheild & Associates					-					-
	Comments																				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15300 Fire Protection	Advance Fire Protection Co., Inc.				Cosco Fire Protection, Inc.				Kimble and Company				Southwest Fire Protection Co.				DPR Estimate Value			
		Mark Felton (562) 691-0918 Brad@afpco.com				Liam Haselhorst (714) 989-1800 lhaselhorst@coscofire.com				John Sexton (714) 894-7310 jsexton@kimblefire.com				David Kenz (626) 359-0034 dkenz@swfp.com							
Scope of Work:	Fire Protection					RECOMMENDED															
Bid Date:	Feb 19,2021																				
		Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status							
		Predicted Safety Incidents 1.11				Predicted Safety Incidents 0.10				Predicted Safety Incidents				Predicted Safety Incidents 6.09							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Base Bid Total from Proposal				\$1,027,530															\$905,305	
1.10	Fire Protection Coordination & BIM				\$0				\$117,000				\$32,214				\$56,000			\$0	
1.11	BIM Coordination & Detailing (Detailers through Fabrication Drawings)				\$0				\$117,000				\$32,214				\$56,000			included	
1.20	Fire Protection Project Requirements				\$0				\$25,100				\$75,401				\$14,500			\$0	
1.21	Fire Protection General Conditions (Staffing, Supervision, Project Manangement, etc.)				\$0				\$5,000				\$25,530				included			included	
1.22	Composite Crew Cleanup				\$0				\$10,000				\$6,186				\$14,500			included	
1.23	Fire Protection Project Requirements (Rentals, Safety, Water, etc.)				\$0				\$10,100				\$43,685				included			included	
1.30	Fire Protection Systems				\$0				\$776,700				\$920,204				\$1,015,500			\$0	
1.31	Wet-Pipe Fire Sprinkler System (including POC, risers/standpipes, PRV, BOR, outlet pressure reducing valve & test header assembly, in-building FDC, sprinklers & misc. equipment)				\$0				\$776,700				\$920,204				\$1,015,500			included	
N/A	Escalation				included				included				included				included	Escalation	4.50%	\$40,739	
N/A	Design Contingency				included				included				included				included	Design Contingency	2.00%	\$18,106	
	<b>BASE BID VALUE</b>				\$1,027,530				\$918,800				\$1,027,819				\$1,086,000			\$964,150	
2.00	POST BID ADJUSTMENTS (scope or value adjustments after review)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
2.01																					
2.02																					
2.03																					
	<b>POST BID ADJUSTMENT SUBTOTAL</b>				\$0				\$0				\$0				\$0			\$0	
3.00	<b>SUBCONTRACT VALUE</b>				\$1,027,530				\$918,800				\$1,027,819				\$1,086,000			\$964,150	
4.00	<b>INSURANCE &amp; TAX</b>		Rate		Value		Rate		Value		Rate		Value		Rate		Value				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				\$0				\$0				\$0				\$0			\$0	
5.00	<b>COSTS TO COMPLETE (scope associated with the work)</b>		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	Qty	Unit	Value	
5.01	Coordination of Testing Agency for Equipment				\$3,500				\$3,500				\$3,500				\$3,500				
5.02	Coordination between Fire Alarm for Panels & Interfacing				\$5,000				\$5,000				\$5,000				\$5,000				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15300 Fire Protection	Advance Fire Protection Co., Inc.				Cosco Fire Protection, Inc.				Kimble and Company				Southwest Fire Protection Co.				DPR Estimate Value			
		Mark Felton (562) 691-0918 Bradb@afpco.com				Liam Haselhorst (714) 989-1800 lhaselhorst@coscofire.com				John Sexton (714) 894-7310 jsexton@kimblefire.com				David Kenz (626) 359-0034 dkenz@swfp.com							
Scope of Work:	Fire Protection					RECOMMENDED															
Bid Date:	Feb 19,2021																				
5.03	Relocations of Heads per Detail Coordination				\$7,500				\$7,500				\$7,500				\$7,500				
5.04	Coordination of Supports & Point Loads to Decking				\$6,000				\$6,000				\$6,000				\$6,000				
5.05	Coordination & Final Design Layout of Piping & Equipment Supports for Seismic Restraints				\$7,500				\$7,500				\$7,500				\$7,500				
5.06																					
5.07																					
5.08																					
5.09																					
5.10																					
COSTS TO COMPLETE SUBTOTAL					\$29,500				\$29,500				\$29,500				\$29,500				\$0
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$1,057,030</b>				<b>\$948,300</b>				<b>\$1,057,319</b>				<b>\$1,115,500</b>				<b>\$964,150</b>			
	% Variance from DPR Estimate Value	10%				-2%				10%				16%							
	\$ Variance from DPR Estimate Value	\$92,880				(\$15,850)				\$93,169				\$151,350							
<b>DPR'S RECOMMENDED BIDDER</b>						Cosco Fire Protection, Inc.															
Comments																					



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15400 Plumbing	ACCO Engineered Systems, Inc.				Control Air Enterprises LLC				Murray Company				Southland Industries				DPR Estimate Value			
		Dominic Picone (714) 771-7777 dpicone@accoes.com				Ahmad Ayubi (714) 777-8600 aayubi@controlac.com				Patrick Techakanokboon (310) 637-1500 ptech@murraycompany.com				John McCrackin (916) 770-0268 jmccrackin@southlandind.com							
Scope of Work:	Plumbing	Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status							
Bid Date:	Feb 19,2021	RECOMMENDED				RECOMMENDED				RECOMMENDED				RECOMMENDED							
		Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents				Predicted Safety Incidents							
		0.02				0.06				0.03				0.01							
1.00	BASE BID (bidder's proposed value)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.01	Base Bid Total from Proposal																				
1.10	Plumbing Coordination & BIM				\$341,828				\$372,249				\$190,026				\$612,744			\$0	
1.11	BIM Coordination & Detailing (Detailers through Fabrication Drawings)				\$341,828				\$372,249				\$190,026				\$612,744			included	
1.20	Plumbing Project Requirements				\$485,161				\$550,898				\$584,052				\$1,056,424			\$907,338	
1.21	Plumbing General Conditions (Staffing, Supervision, Project Management, etc.)				\$411,516				\$347,649				\$498,940				\$860,151			\$907,338	
1.22	Plumbing Project Requirements (Field Office Expenses, Rentals, Safety, Water, etc.)				\$73,645				\$203,249				\$85,112				\$196,273			included	
1.30	Plumbing Equipment				\$68,899				\$69,900				\$263,383				\$107,135			\$243,900	
1.31	Plumbing Equipment (HX-1, HX-2, EXT-1, EXT-2, CRP-1, CRP-2, RPBP-1)				\$68,899				\$69,900				\$263,383				\$74,867			\$45,000	
1.32	Lab Equipment				N/A				N/A				N/A				\$32,268			\$198,900	
1.40	Plumbing Fixtures				\$220,033				\$417,898				\$127,992				\$248,304			\$328,550	
1.41	Plumbing Fixtures (WC's, UR's, L's, MS's, EWC-1, SK-8, FD's, FS's, AD's, HB's, TD's)				\$124,644				\$231,049				\$127,992				\$152,624			\$317,050	
1.42	Lab Fixtures (SK's, CS's, EW's)				\$95,389				\$186,849				included				\$95,680			\$11,500	
1.50	Plumbing Piping Systems				\$1,258,635				\$685,949				\$852,676				\$1,282,537			\$1,694,163	
1.51	Sanitary Sewer & Vent System (SAN, V, HUB Drain)				\$450,148				\$443,849				\$448,240				\$882,570			\$834,872	
1.52	Storm Drain System (SD, OD, RR's, RD/OD's)				\$97,967				\$55,900				\$73,421				\$103,733			\$140,021	
1.53	Reclaimed Water System (RW, BP-1)				\$107,290				\$78,900				\$148,253				\$117,764			included	
1.54	Irrigation Water – Interior risers & POC's (IRR)				\$1,993				\$1,800				\$1,142				\$5,862			included	
1.55	Domestic Water Systems (CW, HW/HWR)				\$69,588				\$89,100				\$132,349				\$126,079			\$444,270	
1.56	Natural Gas System (G, MPG, LPG, GPRV, EQV)				\$531,649				\$16,400				\$49,271				\$46,529			\$275,000	
1.60	Lab Piping Systems				\$2,160,918				\$1,765,747				\$1,691,288				\$2,501,170			\$1,572,298	
1.61	Vacuum System (LV, LVP-1)				\$452,947				\$235,651				\$209,757				\$291,280			included	
1.62	Laboratory Gas (LG)				\$17,952				\$177,549				\$161,235				\$235,934			\$517,000	
1.63	Lab Waste (LW, LWV, Sed Traps, NT-1, SB-1)				\$1,136,736				\$424,849				\$568,147				\$825,101			\$334,191	
1.64	Industrial Water (ICW, IHW/R)				\$268,642				\$435,349				\$358,174				\$565,500			\$315,364	
1.65	Tepid Water (TW)				\$80,976				\$95,400				\$106,172				\$150,239			included	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15400 Plumbing	ACCO Engineered Systems, Inc.				Control Air Enterprises LLC				Murray Company				Southland Industries				DPR Estimate Value			
		Dominic Picone (714) 771-7777 dpicone@accoes.com				Ahmad Ayubi (714) 777-8600 aayubi@controlac.com				Patrick Techakanokboon (310) 637-1500 ptech@murraycompany.com				John McCrackin (916) 770-0268 jmccrackin@southlandind.com							
Scope of Work:	Plumbing																				
Bid Date:	Feb 19,2021					RECOMMENDED															
1.66	Softened Water (SW, WS-1)				\$18,288				\$12,200				\$11,886				\$16,476				included
1.67	Purified Water (PW, RODI Skid)				\$185,377				\$384,749				\$275,917				\$416,640				\$405,743
1.70	Specialties				\$251,526				\$645,159				\$1,118,015				\$376,890				\$84,013
1.71	Plumbing Insulation				\$115,459				\$439,249				\$108,397				\$120,097				\$84,013
1.72	Misc. Items (Seismic, Hangers, Supports, Labeling, Access Doors, etc.)				\$56,401				\$62,710				\$977,173				\$163,600				included
1.73	Turnover Documents, Cx Support, Certifications, As-Builts				\$3,658				\$5,000				included				\$11,753				included
1.74	Through Penetration Firestopping & Acoustical Caulking				\$46,155				\$41,600				\$24,720				\$24,295				included
1.75	Plumbing Systems Pressure Testing, Flushing, Start-Up				\$33,841				\$96,600				\$7,725				\$57,145				included
N/A	Clerical Error in Total				(\$3,988)				\$0				\$0				\$0				\$0
N/A	Escalation				included				included				included				included		Escalation	4.50%	\$217,362
N/A	Design Contingency				included				included				included				included		Design Contingency	2.00%	\$96,605
<b>BASE BID VALUE</b>					<b>\$4,787,000</b>				<b>\$4,507,800</b>				<b>\$4,827,432</b>				<b>\$6,185,204</b>				<b>\$5,144,228</b>
<b>2.00</b>	<b>POST BID ADJUSTMENTS (scope or value adjustments after review)</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>	<b>Confirm</b>	<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
2.01																					
2.02																					
2.03																					
	<b>POST BID ADJUSTMENT SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>				<b>\$4,787,000</b>				<b>\$4,507,800</b>				<b>\$4,827,432</b>				<b>\$6,185,204</b>				<b>\$5,144,228</b>
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>		<b>Rate</b>		<b>Value</b>				
	<b>INSURANCE &amp; TAX SUBTOTAL</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>		<b>Qty</b>	<b>Unit</b>	<b>Value</b>
5.01	Premium Time for Tower Crane Usage				\$6,960				\$6,960				\$6,960				\$6,960				
5.02	1/4" Steel Plate in Plumbing Chase (See RFI #01) - <b>ALLOWANCE</b>				excluded - see Allowance				excluded - see Allowance				excluded - see Allowance				excluded - see Allowance				
5.03	Protection of Heat Exchangers, RO/Di Skid, Equipment				\$12,500				\$12,500				\$12,500				\$12,500				
5.04	Modifications to Site Water for Temp Usage				\$18,000				\$18,000				\$18,000				\$18,000				
5.05	Coordination with Lab Casework				\$7,500				\$7,500				\$7,500				\$7,500				
5.06	Coordination with Landscaper for Irrigation Water Connections				\$2,500				\$2,500				\$2,500				\$2,500				



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15400 Plumbing	ACCO Engineered Systems, Inc.				Control Air Enterprises LLC				Murray Company				Southland Industries				DPR Estimate Value			
Scope of Work:	Plumbing	Dominic Picone (714) 771-7777 dpicone@accoes.com				Ahmad Ayubi (714) 777-8600 aayubi@controlac.com				Patrick Techakanokboon (310) 637-1500 ptech@murraycompany.com				John McCrackin (916) 770-0268 jmccrackin@southlandind.com							
Bid Date:	Feb 19,2021					RECOMMENDED															
5.07	Coordination of Heavy Equipment Concrete Pads & Locations				\$5,000				\$5,000				\$5,000				\$5,000				
5.08	Coordination of Supports & Point Loads to Decking				\$12,500				\$12,500				\$12,500				\$12,500				
5.09	Coordination & Final Design Layout of Piping & Equipment Supports for Seismic Restraints				\$7,500				\$7,500				\$7,500				\$7,500				
5.10	Cold Condensate Drain Lines for HVAC Equipment				\$30,000				\$30,000				\$30,000				\$30,000				
<b>COSTS TO COMPLETE SUBTOTAL</b>					\$102,460				\$102,460				\$102,460				\$102,460				\$0
<b>6.00</b>	<b>TOTAL PACKAGE VALUE</b>	<b>\$4,889,460</b>				<b>\$4,610,260</b>				<b>\$4,929,892</b>				<b>\$6,287,664</b>				<b>\$5,144,228</b>			
	% Variance from DPR Estimate Value	-5%				-10%				-4%				22%							
	\$ Variance from DPR Estimate Value	(\$254,768)				(\$533,968)				(\$214,336)				\$1,143,436							
<b>DPR'S RECOMMENDED BIDDER</b>		-				Control Air Enterprises LLC				-				-							
Comments																					



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15500 HVAC	ACCO Engineered Systems, Inc.				Control Air Enterprises LLC				Murray Company				Southland Industries				DPR Estimate Value			
		Richard Repp (949) 310-0899 rrepp@accoes.com				Neil Bedard (714) 856-2021 nbedard@controlac.com				Meredith Biscornet (310) 667-1022 mbiscornet@murraycompany.com				John McCrackin (916) 770-0268 jmccrackin@southlandind.com							
Scope of Work:	HVAC	Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status							
Bid Date:	Feb 19,2021	Predicted Safety Incidents 0.02				Predicted Safety Incidents 0.06				Predicted Safety Incidents 0.03				Predicted Safety Incidents 0.01							
		Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value	
1.00	BASE BID (bidder's proposed value)																				
1.01	Base Bid Total from Proposal																				
1.10	Mechanical HVAC Coordination & BIM				\$551,875				\$450,000				\$266,464				\$422,624			\$140,021	
1.11	BIM Coordination & Detailing (Detailers through Fabrication Drawings)				\$551,875				\$450,000				\$266,464				\$422,624			\$140,021	
1.20	Mechanical HVAC Project Requirements				\$412,437				\$736,000				\$798,001				\$1,303,165			\$1,304,998	
1.21	Mechanical HVAC General Conditions (Staffing, Supervision, Project Management, etc.)				\$251,604				\$563,800				\$669,903				\$835,826			\$1,304,998	
1.22	Mechanical HVAC Project Requirements (Field Office Expenses, Rentals, Safety, Water, etc.)				\$103,766				\$70,900				\$101,848				\$232,937			included	
1.23	Rigging & Setting of Equipment (AHU's, Boilers, VRF Condensers, Relief Fans, etc.)				\$57,067				\$101,300				\$26,250				\$234,402			included	
1.30	Mechanical Wet HVAC Equipment				\$258,129				\$280,700				\$371,181				\$241,541			\$259,271	
1.31	HHW Boilers (B-01, B-02, B-03, B-04)				\$132,000				\$144,200				\$214,047				\$115,698			\$160,071	
1.32	HHW Pumps (HWP-01, HWP-02, HWP-03)				\$48,087				\$45,500				\$53,493				\$45,618			\$48,000	
1.33	HHW Tanks (BT-01, AS-01, ET-01)				\$11,706				\$6,800				\$14,464				\$9,986			included	
1.34	Chilled Water Fan Coil Units (CWFC-01, CWFC-02)				\$10,232				\$15,400				\$13,957				\$10,127			\$14,800	
1.35	VRV Fan Coil Units (VRFC-01-113, VRFC-01-114, VRFC-01-119, VRFC-01-204, VRFC-01-215, VRFC-01-304, VRFC-01-319, VRFC-01-406, VRFC-01-411, VRFC-01-506, VRFC-01-515, VRFC-01-602)				\$52,300				\$36,520				\$67,617				\$38,389			\$36,400	
1.36	VRV Condensing Units (VRCU-01)				\$3,804				\$26,280				included				\$16,452			included	
1.37	Split System Units (MSFC-1)				included				\$6,000				\$7,603				\$5,271			included	
1.40	Mechanical HVAC Piping Systems				\$2,170,509				\$1,261,600				\$574,819				\$1,143,702			\$613,975	
1.41	Chilled Water Piping (including hangers, supports & connections)				\$592,678				\$340,700				\$157,104				\$312,786			\$555,475	
1.42	Heating Hot Water Piping (including hangers, supports & connections)				\$1,488,765				\$865,600				\$357,900				\$782,254			included	
1.43	Refrigerant Piping (including hangers, supports, branch selectors, final connections, etc.)				\$89,066				\$55,300				\$59,815				\$48,662			\$58,500	
1.50	Mechanical Dry HVAC Equipment				\$2,085,143				\$2,453,400				\$3,018,633				\$2,111,730			\$2,102,406	
1.51	Air Handling Units (AHU-01, AHU-02, AHU-03, AHU-04)				\$823,992				\$716,700				\$922,078				\$822,315			\$979,708	



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15500 HVAC	ACCO Engineered Systems, Inc.				Control Air Enterprises LLC				Murray Company				Southland Industries				DPR Estimate Value			
		Richard Repp (949) 310-0899 rrepp@accoes.com				Neil Bedard (714) 856-2021 nbedard@controlac.com				Meredith Biscornet (310) 667-1022 mbiscornet@murraycompany.com				John McCrackin (916) 770-0268 jmccrackin@southlandind.com							
Scope of Work:	HVAC													RECOMMENDED							
Bid Date:	Feb 19, 2021																				
1.52	Duct Silencers (DS-01-02, DS-02-01, DS-02-02, DS-03-01, DS-03-02, DS-04-01, DS-05-01, DS-05-02, DS-05-03, DS-05-04, DS-05-05)				\$129,704				\$123,200				\$158,192				\$141,208				included
1.53	General Exhaust Fans (EF-01, RF-01)				\$13,947				\$13,200				\$16,105				\$12,550				included
1.54	Fume Exhaust Fans (FEF-01, FEF-02, FEF-03, FEF-04)				\$614,919				\$464,600				\$673,062				\$414,997				\$503,549
1.55	Air Valves (SAV's, FEV's, GEV's)				\$444,449				\$1,039,100				\$1,153,665				\$658,852				\$578,900
1.56	Terminal Air Units (VAV's, RVAV's, EVAV's)				\$17,750				\$36,100				\$32,545				\$17,569				included
1.57	Fire/Smoke Dampers (FSD's)				\$40,382				\$60,500				\$62,986				\$44,239				\$40,250
1.60	<b>HVAC Ductwork</b>				<b>\$3,381,860</b>				<b>\$1,904,925</b>				<b>\$2,014,967</b>				<b>\$1,987,313</b>				<b>\$1,866,296</b>
1.61	Supply Air Ductwork				\$1,353,851				\$1,657,225				\$603,794				\$807,736				\$923,801
1.62	Return Air Ductwork				included				included				\$112,192				\$79,033				included
1.63	Outside Air Ductwork				included				included				\$23,819				\$21,756				included
1.64	General Exhaust / Transfer Air Ductwork				\$625,889				included				\$28,857				\$40,905				included
1.65	Fume Exhaust Main Ductwork				included				included				\$510,624				\$476,575				included
1.66	Fume Exhaust Hood Branches (SS)				\$318,092				included				\$538,423				\$397,263				\$304,000
1.67	Air Distribution Accessories (Linear Diffusers, Registers, Grilles, Diffusers, Flex Duct)				\$1,084,029				\$247,700				\$197,258				\$164,045				\$638,495
1.70	<b>Mechanical Insulation</b>				<b>\$335,675</b>				<b>\$438,500</b>				<b>\$268,766</b>				<b>\$242,640</b>				<b>\$403,363</b>
1.71	HVAC Piping Insulation				\$135,000				\$340,500				\$127,000				\$84,924				\$145,653
1.72	HVAC Ductwork Insulation				\$165,675				\$52,000				\$96,766				\$133,452				\$257,710
1.73	Fume Exhaust Insulation (Firewrap)				\$35,000				\$46,000				\$45,000				\$24,264				included
1.80	<b>HVAC Controls</b>				<b>\$1,163,368</b>				<b>\$652,700</b>				<b>\$778,890</b>				<b>\$568,625</b>				<b>\$980,149</b>
1.81	HVAC Controls System (Building Automation)				\$663,250				\$427,700				\$449,085				\$369,606				\$980,149
1.82	Lab Controls System				\$500,118				\$225,000				\$329,805				\$199,019				included
1.90	<b>Miscellaneous</b>				<b>\$510,209</b>				<b>\$277,375</b>				<b>\$305,280</b>				<b>\$318,102</b>				<b>\$56,009</b>
1.91	Test & Balance				\$154,526				\$128,500				\$247,947				\$146,137				\$56,009
1.92	VFD's for Mechanical HVAC Equipment				\$40,578				\$30,800				included				\$40,165				included
1.93	Seismic Restraints				\$263,870				\$82,900				\$20,475				\$91,817				included
1.94	Firestopping				\$17,450				\$35,175				\$8,671				\$28,002				included
1.95	Acoustical Caulking				\$33,785				included				\$29,188				\$12,001				included
N/A	Clerical Error in Total				\$0				\$0				(\$1,001)				(\$20)				\$0
N/A	Escalation				included				included				included				included		Escalation	4.50%	\$347,692
N/A	Design Contingency				included				included				included				included		Design Contingency	2.00%	\$154,530



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	15500 HVAC	ACCO Engineered Systems, Inc.				Control Air Enterprises LLC				Murray Company				Southland Industries				DPR Estimate Value				
Scope of Work:	HVAC	Richard Repp (949) 310-0899 rrepp@accoes.com				Neil Bedard (714) 856-2021 nbedard@controlac.com				Meredith Biscornet (310) 667-1022 mbiscornet@murraycompany.com				John McCrackin (916) 770-0268 jmccrackin@southlandind.com								
Bid Date:	Feb 19,2021													RECOMMENDED								
BASE BID VALUE		\$10,869,205				\$8,455,200				\$8,397,001				\$8,339,442				\$8,228,709				
2.00	POST BID ADJUSTMENTS (scope or value adjustments after review)	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value		
2.01																						
2.02																						
2.03																						
POST BID ADJUSTMENT SUBTOTAL		\$0				\$0				\$0				\$0				\$0				
3.00	SUBCONTRACT VALUE	\$10,869,205				\$8,455,200				\$8,397,001				\$8,339,442				\$8,228,709				
4.00	INSURANCE & TAX	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	Rate	Value	
INSURANCE & TAX SUBTOTAL		\$0				\$0				\$0				\$0				\$0				
5.00	COSTS TO COMPLETE (scope associated with the work)	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value
5.01	Premium Time for Tower Crane Usage			\$9,280			\$9,280			\$9,280			\$9,280			\$9,280						
5.02	Climatization for Acclimation of Finish Materials (additional filters, dehumidification) - <b>ALLOWANCE</b>			excluded			excluded			excluded			excluded			excluded						
5.03	Protection of Air Handlers, Equipment, Ductwork			\$30,000			\$30,000			\$30,000			\$30,000			\$30,000						
5.04	Coordination of Heavy Equipment Concrete Pads & Locations			\$15,000			\$15,000			\$15,000			\$15,000			\$15,000						
5.05	Coordination of Supports & Point Loads to Decking			\$12,500			\$12,500			\$12,500			\$12,500			\$12,500						
5.06	Coordination & Final Design Layout of Pipe, Duct, & Equipment Supports for Seismic Restraints			\$17,500			\$17,500			\$17,500			\$17,500			\$17,500						
5.07	Valves & Bypass Required at Chilled Water Site Connections			\$8,500			\$8,500			\$8,500			\$8,500			\$8,500						
5.08																						
5.09																						
5.10																						
COSTS TO COMPLETE SUBTOTAL		\$92,780				\$92,780				\$92,780				\$92,780				\$0				
6.00	<b>TOTAL PACKAGE VALUE</b>	<b>\$10,961,985</b>				<b>\$8,547,980</b>				<b>\$8,489,781</b>				<b>\$8,432,222</b>				<b>\$8,228,709</b>				
% Variance from DPR Estimate Value		33%				4%				3%				2%								
\$ Variance from DPR Estimate Value		\$2,733,276				\$319,271				\$261,072				\$203,513								



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	<b>15500 HVAC</b>	ACCO Engineered Systems, Inc.	Control Air Enterprises LLC	Murray Company	Southland Industries	DPR Estimate Value
Scope of Work:	<b>HVAC</b>	Richard Repp (949) 310-0899 rrepp@accoes.com	Neil Bedard (714) 856-2021 nbedard@controlac.com	Meredith Biscornet (310) 667-1022 mbiscornet@murraycompany.com	John McCrackin (916) 770-0268 jmccrackin@southlandind.com	
Bid Date:	<b>Feb 19,2021</b>				RECOMMENDED	
DPR'S RECOMMENDED BIDDER		-	-	-	Southland Industries	
Comments						



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	16000 Electrical				Bergelectric Corp.				CSI Electrical Contractors, Inc				Morrow-Meadows Corporation				Rosendin Electric, Inc.				DPR Estimate Value											
	Jon Kitchen				714-865-8283 <a href="mailto:jkitchen@bergelectric.com">jkitchen@bergelectric.com</a>				Nick Choy				562-322-4943 <a href="mailto:nick.choy@csielectric.com">nick.choy@csielectric.com</a>				Jeff Manzanaras								909-656-4224 <a href="mailto:jmanzanaras@morrow-meadows.com">jmanzanaras@morrow-meadows.com</a>				Steve Rodermund			
Scope of Work:	Electrical				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				RECOMMENDED											
Bid Date:	Predicted Safety Incidents				0.05				Predicted Safety Incidents				0.06				Predicted Safety Incidents				0.03				Predicted Safety Incidents				0.01			
1.00	BASE BID (bidder's proposed value)				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value									
	<b>Electrical - BLDG</b>																						\$9,037,426									
	Temp power & Safe-off				✓	1	LS	\$406,300	✓	1	LS	\$314,620	✓	1	LS	\$370,730	✓	1	LS	\$345,587												
	New Pad mount transformer & Feeder for Temp Power per EX 25				✓			included	✓	1	LS	\$131,400	✓			included	✓			included												
	Distribution & Feeders				✓	1	LS	\$1,548,000	✓	1	LS	\$1,483,940	✓	1	LS	\$1,465,960	✓	1	LS	\$1,128,903												
	Branch Power devices & Circuits				✓	1	LS	\$1,361,000	✓	1	LS	\$1,491,360	✓	1	LS	\$1,510,640	✓	1	LS	\$1,553,192												
	Mechanical equipment connection & feeders				✓	1	LS	\$346,400	✓	1	LS	\$214,130	✓	1	LS	\$395,210	✓	1	LS	\$284,332												
	Lighting & lighting controls – with branch				✓	1	LS	\$2,824,900	✓	1	LS	\$2,135,740	✓	1	LS	\$2,589,440	✓	1	LS	\$2,278,661												
	LV rough-in				✓	1	LS	\$612,900	✓	1	LS	\$459,550	✓	1	LS	\$689,930	✓	1	LS	\$326,246												
	FA Rough-in & Systems				✓	1	LS	\$890,500	✓	1	LS	\$917,900	✓	1	LS	\$963,440	✓	1	LS	\$1,154,705												
	Generator & Associated Feeders				✓	1	LS	\$302,900	✓	1	LS	\$229,320	✓	1	LS	\$267,610	✓	1	LS	\$215,968												
	BIM & BIM Coordination				✓	1	LS	\$226,400	✓	1	LS	\$134,840	✓	1	LS	\$163,880	✓	1	LS	\$47,580												
	<b>Electrical – Site</b>																															
	Primary site Raceways				✓	1	LS	\$56,600	✓	1	LS	\$713,690	✓	1	LS	\$352,670	✓	1	LS	\$271,054												
	Site Distribution				✓	1	LS	\$395,100	✓	1	LS	\$101,500	✓	1	LS	\$28,140	✓	1	LS	\$200,704												
	Site power & Branch				✓	1	LS	\$63,800	✓	1	LS	\$25,010	✓	1	LS	\$105,980	✓	1	LS	\$68,865												
	Site Lighting				✓	1	LS	\$265,800	✓	1	LS	\$303,030	✓	1	LS	\$324,570	✓	1	LS	\$268,580												
	Earthwork - Electrical				✓	1	LS	\$404,900	✓	1	LS	\$96,670	✓	1	LS	\$632,240	✓	1	LS	\$382,622												
	<b>BASE BID VALUE</b>							<b>\$9,705,500</b>				<b>\$8,752,700</b>				<b>\$9,860,440</b>				<b>\$8,526,999</b>				<b>\$9,037,426</b>								
<b>2.00</b>	<b>BID VERIFICATION AND DUE DILLIGENCE</b>				Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value									
2.01	Pad Mount Transformer for NSB				!				✓				!				✓															
2.02	Elec permits & Plan check fees				!				✓				!				✓															
2.03	Generator Hoisting (not by tower crane)				!				✗				!				✓															
2.04	Fire Rating on floor boxes				!				✗				!				✓															
2.05	PV (2) 4" to roof				!				✗				!				✓															
2.06	Generator Permits - Includes Coordination				!				✓				!				✓															
2.07	Lighting inside Elevator Shafts				!				✓				!				✗															
2.08																																
2.09																																
	<b>BID VERIFICATION AND DUE DILLIGENCE</b>							<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>								
<b>3.00</b>	<b>SUBCONTRACT VALUE</b>							<b>\$9,705,500</b>				<b>\$8,752,700</b>				<b>\$9,860,440</b>				<b>\$8,526,999</b>				<b>\$9,037,426</b>								
<b>4.00</b>	<b>INSURANCE &amp; TAX</b>				Rate			Value	Rate			Value	Rate			Value	Rate			Value												
	<b>INSURANCE &amp; TAX SUBTOTAL</b>							<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>				<b>\$0</b>								
<b>5.00</b>	<b>COSTS TO COMPLETE (scope associated with the work)</b>				Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value	Qty	Unit	Value										



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package:	16000 Electrical	Bergelectric Corp.			CSI Electrical Contractors, Inc			Morrow-Meadows Corporation			Rosendin Electric, Inc.			DPR Estimate Value															
		Jon Kitchen			Nick Choy			Jeff Manzanares			Steve Rodermund																		
Scope of Work:	Electrical	714-865-8283			562-322-4943			909-656-4224			(714) 521-8113																		
Bid Date:		<a href="mailto:jkitchen@bergelectric.com">jkitchen@bergelectric.com</a>			<a href="mailto:nick.choy@csieletric.com">nick.choy@csieletric.com</a>			<a href="mailto:jmanzanares@morrow-meadows.com">jmanzanares@morrow-meadows.com</a>			<a href="mailto:srodermund@rosendin.com">srodermund@rosendin.com</a>																		
<b>RECOMMENDED</b>																													
5.01	Haul off Spoils	✗		\$20,000	✗		\$20,000	✗		\$20,000	✗		\$20,000																
5.02	Patch work for saw cuts/Concrete/Asphalt	✗		\$35,000	✗		\$35,000	✗		\$35,000	✗		\$35,000																
5.03	Plywood Backing	✗		\$7,500	✗		\$7,500	✗		\$7,500	✗		\$7,500																
5.04	Lighting inside Elevator Shafts	✗		\$5,000	✗		\$5,000	✗		\$5,000	✗		\$5,000																
5.05	Storage of street lighting & other Misc owner items	✗		\$10,000	✗		\$10,000	✗		\$10,000	✗		\$10,000																
5.06	Concrete Bases for street lighting	✗		in site concrete	✗		in site concrete	✗		in site concrete	✗		in site concrete																
5.07	12.5 ft Sweeps per specs	✓			✓			✓			✓																		
5.08	Generator Sound Design & Spec	✓			✓			✓			✓																		
5.09	Point Cloud Coordination	✗		\$25,000	✗		\$25,000	✗		\$25,000	✗		\$25,000																
5.10	GCC IT Coordination / OFCI Coordination	✗		\$25,000	✗		\$25,000	✗		\$25,000	✗		\$25,000																
5.11	Cord management	✗		\$10,000	✗		\$10,000	✗		\$10,000	✗		\$10,000			Design Contingency	2.78%	\$251,240											
<b>COSTS TO COMPLETE SUBTOTAL</b>																								Escalation	6.29%	\$568,454			
<b>COSTS TO COMPLETE SUBTOTAL</b>																													
6.00	<b>TOTAL PACKAGE VALUE</b>			<b>\$9,843,000</b>			<b>\$8,890,200</b>			<b>\$9,997,940</b>			<b>\$8,664,499</b>					<b>\$9,857,121</b>											
	% Variance from DPR Estimate Value			0%			-10%			1%			-12%																
	\$ Variance from DPR Estimate Value			(\$14,121)			(\$966,921)			\$140,819			(\$1,192,622)																
<b>DPR'S RECOMMENDED BIDDER</b>				-			-			-			Rosendin Electric, Inc.																
Comments																													



Glendale Community College - New Science Building  
Bid Evaluation Sheet

Bid Tally Sheet

Bid Package	19154 Hoist/Crane				Bigge Crane and Rigging Co.				Bragg Crane & Rigging				Brewer Crane & Rigging				Reliable Construction Services, LLC				Maxim Crane Works, LP				Bigge Crane and Reliable Combo				DPR Estimate Value							
	Hoist/Crane				Jim Moreno (714) 253-6776 jimreno@bigge.com				Byron Ferguson (562) 984-2400 fergusonb@braggcrane.com				Brent Brewer (619) 390-8252 jolinda@brewercrane.com				Mike Kale (702) 525-0840 mike@reliablecraneservice.com				Neil Goodale (888) 272-6374 ngoodale@maxincrane.com															
Scope of Work	Hoist/Crane				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				Prequalification Status				RECOMMENDED											
Bid Date:					0.03				0.04				3.98				0.24				0.01															
	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value					
<b>1.00 BASE BID (bidder's proposed value)</b>																																				
1.01 Tower Crane Mobilization and Erection								\$173,825		1	ea	\$115,550		1	ls	\$73,400		1	ls	\$137,804		1	ls	\$73,400		1	ls	\$73,400								\$1,636,000
1.02 Tower Crane Rental								\$262,770		12	mo	\$306,960		12	mo	\$191,760		10	mo	\$175,000		12	mo	\$191,760												
1.03 Tower Crane Operator								\$261,710		12	mo	\$357,768		2,088	hr	\$238,032		10	mo	\$207,060		2,088	hr	\$238,032												
1.04 Tower Crane Dismantle and Demobilization								\$101,700		1	ea	\$68,200		1	ls	\$87,400		1	ea	\$76,000		1	ea	\$87,400												
1.05 Dual Personnel and material hoist mobilization and install		1	ls	\$35,500						1	ea	\$32,975						1	ea	\$53,100		1	ea	\$35,500												
1.06 Dual Hoist rental		12	mo	\$115,280						12	mo	\$193,800						12	mo	\$139,200		12	mo	\$115,280												
1.07 Dual Hoist Operator		2	ea	\$682,800						12	mo	\$694,608						12	mo	\$459,360		12	mo	\$682,800												
1.08 Dual Hoist dismantle and Demobilization		1	mo	\$11,500						1	ea	\$18,475						1	ea	\$21,750		1	ea	\$11,500												
1.09 Coordination, permitting and traffic control for street closure to erect and dismantle Tower Crane.												\$1,700		1	ls	\$6,500		1	ls	\$29,000																\$6,500
1.10 Overtime hours per item 2.26 below Manlift																		1	ls	\$252,000																
1.11 Overtime hours per item 2.26 below Tower Crane														888	hr	\$136,752		1	ls	\$111,300																\$136,752
														markup??		\$98,924																				\$98,924
<b>BASE BID VALUE</b>				\$845,080				\$800,005				\$1,990,036				\$832,768				\$1,661,574				\$1,677,848				\$1,636,000				\$1,636,000				
<b>2.00 BID VERIFICATION &amp; DUE DILLIGENCE</b>	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Confirm	Qty	Unit	Value	Qty	Unit	Value					
2.00 Tower Crane Rental - adjust to 10 months												(\$110,788)								included				(\$141,600)				(\$71,632)								
2.01 Manlift - adjust to 10 months												(\$148,068)								included per John Davis				(\$113,800)												
2.02 Meggers grounding test & ground rods																																				
2.03 Overtime hours per item 2.26 below Manlift												\$250,000								included				\$250,000												
2.04 Overtime hours per item 2.26 below Tower Crane												\$110,000								included				included												
2.05																																				
<b>BID VERIFICATION &amp; DUE DILLIGENCE</b>				\$0				\$0				\$101,144				\$0				(\$141,600)				\$64,568				\$0				\$0				
<b>3.00 SUBCONTRACT VALUE</b>				\$845,080				\$800,005				\$1,891,180				\$832,768				\$1,519,974				\$1,742,416				\$1,636,000				\$1,636,000				
<b>4.00 INSURANCE &amp; TAX</b>																																				
<b>INSURANCE &amp; TAX SUBTOTAL</b>				\$0				\$0				\$0				\$0				\$0				\$0				\$0				\$0				
<b>5.00 COSTS TO COMPLETE (scope associated with the work)</b>		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value		Qty	Unit	Value	Qty	Unit	Value					
5.01 Manlift foundation												\$15,000								\$15,000				\$15,000												
5.02 Ramping / grading around foundation												\$6,500								\$6,500				\$6,500												
5.03 OSHA Base setting surveyor reports												\$5,000								\$5,000				\$5,000												
5.04 OSHA certs - initial and 6 month - crane												\$25,000								\$25,000				\$25,000												
5.05 OSHA certs - initial - manlift												\$9,500								\$9,500				\$9,500												
5.06 Tower crane & manlift structural design <b>Allowance</b>												\$15,000								\$15,000				\$15,000												
5.07																																				
5.08																																				
<b>COSTS TO COMPLETE SUBTOTAL</b>				\$0				\$0				\$76,000				\$0				\$76,000				\$76,000				\$76,000				\$148,385				
<b>6.00 TOTAL PACKAGE VALUE</b>				\$845,080				\$800,005				\$1,967,180				\$832,768				\$1,595,974				\$1,818,416				\$1,784,385				\$1,784,385				
% Variance from DPR Estimate Value				-53%				-55%				10%				-53%				-11%				2%												
\$ Variance from DPR Estimate Value				(\$939,305)				(\$984,380)				\$182,795				(\$951,617)				(\$188,411)				\$34,031												
<b>DPR'S RECOMMENDED BIDDER</b>				-				-				-				-				Maxim Crane Works, LP				-												
<b>Comments</b>				Incomplete Submission - Bigge bid the Manlift Only				Incomplete submission - Did not fill out bid form and bid single hoist in lieu of dual				Numbers on bid form did not add up. Excluded traffic control for crane erection and dismantle.				Incomplete submission - only bid the tower crane				Apparent Low, Responsive Bidder				Would be two contracts / not low												

### 3. VDC Price

05/05/21

VDC  
PRICE



## 4. General Requirements Price

05/05/21

GENERAL  
REQUIREMENTS

Glendale CC New Science Building									
General Requirements								\$	481,105.00
#	Item	Quantity	Purchase	Monthly Rental	Frequency	Price	Units	Total	Comments
1	Dumpsters	1		X	250	\$ 800.00	Per	\$ 200,000.00	Anticipated 250 dumpsters over the course of the project.
2	Trash Containers	60	X			\$ 115.00	ea	\$ 6,900.00	Individual 50 gallon trash cans
3	Misc Railing	3000	X			\$ 2.00	LF	\$ 6,000.00	2 x 4 x 16
4	Slab Grabbers	100		X		\$ 100.00	ea	\$ 10,000.00	
5	Temp Barricades	100	X			\$ 65.00	ea	\$ 6,500.00	
6	Stair Pan Infill	360				\$ 45.00	ea	\$ 16,200.00	
7	Personal barricades	30		X		\$ 110.00	ea	\$ 3,300.00	
10	Toe board	125	X			\$ 10.00	ea	\$ 1,250.00	1 x 4 x 16
11	SWPP Sandbags & Filters	500	X			\$ 7.00	Per	\$ 3,500.00	
12	Fabric	1				\$ 1,000.00	ea	\$ 1,000.00	
13	Scaffold for Elevator Shafts	2		X		\$ 5,000.00	ea	\$ 10,000.00	
14	Snow fence	20	X			\$ 70.00	rolls	\$ 1,400.00	
15	Safety Netting	400	X			\$ 50.00	LF	\$ 20,000.00	
16	COVID Protocols - misc	50	X			\$ 100.00	misc	\$ 5,000.00	
17	Connex Containers	2		X	18	\$ 200.00	months	\$ 7,200.00	
18	Fire Extinguishers	68	X			\$ 100.00	ea	\$ 6,800.00	10 per floor, plus 8 in site
19	Trash basket for forklift	1	X			\$ 500.00	ea	\$ 500.00	
20	Fork Lift	1		X	18	\$ 3,600.00	months	\$ 64,800.00	10K reach fork, includes fuel
21	Picnic Tables	25	X			\$ 200.00	ea	\$ 5,000.00	
22	Pop Ups/EZ Ups	10	X			\$ 250.00	ea	\$ 2,500.00	
23	Industrial Hygenist	4		X		\$ 5,000.00	ea	\$ 20,000.00	
24	Weather Protection	30	X			\$ 75.00	rolls	\$ 2,250.00	Visquine
25	Masonite/Ramboard	28	X			\$ 70.00	rolls	\$ 1,960.00	
26	Corner Protection	100	X			\$ 10.00	ea	\$ 1,000.00	
27	Door Protection	120	X			\$ 15.00	ea	\$ 1,800.00	
28	Delineators	100	X			\$ 25.00	per	\$ 2,500.00	
29	Caution tape	50	X			\$ 15.00	roll	\$ 750.00	
30	Shovels	5	X			\$ 50.00	per	\$ 250.00	
31	Brooms	10	X			\$ 20.00	per	\$ 200.00	
32	Vacuum	5	X			\$ 100.00	per	\$ 500.00	
33	Fan	25	X	X		\$ 100.00	per	\$ 2,500.00	
34	Stop Signs	2	X			\$ 50.00	per	\$ 100.00	
35	Power Tools	10	X			\$ 200.00	per	\$ 2,000.00	
36	Safety - Misc materials	100	X			\$ 10.00	ea	\$ 1,000.00	
37	Wall Protection - boards	100	X			\$ 100.00	ea	\$ 10,000.00	
38	Tape	4	X			\$ 250.00	cases	\$ 1,000.00	
39	Wheelbarrows	5	X			\$ 250.00	es	\$ 1,250.00	
40	Green sweep	50	X			\$ 20.00	box	\$ 1,000.00	
41	Hoses	20	X			\$ 50.00	ea	\$ 1,000.00	
42	Water Pumps	3	X			\$ 425.00	ea	\$ 1,275.00	2" pumps and power cords
43	Spill Kit	5	X			\$ 300.00	ea	\$ 1,500.00	
44	Ice Machine	1		X	16	\$ 620.00	months	\$ 9,920.00	
45	Fire hydrant adapters	2	X			\$ 150.00	ea	\$ 300.00	
46	Fencing	400		X		\$ 98.00	ft	\$ 39,200.00	Fence, screening, K rail and gates

Does not include lane closure

Does not include floor protection



**GCC New Science Building General Requirements**

		Onsite Labor GR																																								
Position/Title	Hourly Rates 2021	Hourly Rates 2022	Hourly Rates 2023	1-Mar-21	1-Apr-21	1-May-21	1-Jun-21	1-Jul-21	1-Aug-21	1-Sep-21	1-Oct-21	1-Nov-21	1-Dec-21	Total 2021	1-Jan-22	1-Feb-22	1-Mar-22	1-Apr-22	1-May-22	1-Jun-22	1-Jul-22	1-Aug-22	1-Sep-22	1-Oct-22	1-Nov-22	1-Dec-22	Total 2022	1-Jan-23	1-Feb-23	1-Mar-23	1-Apr-23	1-May-23	1-Jun-23	1-Jul-23	Total 2023	Costs 2021	Costs 2022	Costs 2023	Total Costs			
Labor Foreman	\$ 93.70	\$ 98.39	\$ 103.30		88	174	174	174	174	174	174	174	174	1,654	174	174	174	174	174	174	174	174	174	174	174	174	2,088	174	174	174	174	174	174	174	1,392	\$ 154,980	\$ 205,428	\$ 143,800	\$ 504,207			
Laborer	\$ 84.20	\$ 88.41	\$ 92.83				88	88	88	88	88	88	88	790	174	174	174	174	174	174	174	174	174	174	174	174	2,088	174	174	174	174	174	174	174	88	88	88	1,134	\$ 66,518	\$ 184,600	\$ 105,270	\$ 356,388
Carpenter	\$ 84.20	\$ 88.41	\$ 92.83															174	174	174	174	174	174	174	174	1,566	174	174							346	\$ -	\$ 138,450	\$ 32,305	\$ 170,755			

This manpower is to perform the following tasks during the course of construction: maintenance of SWPPP, interim clean up, set up and maintain safety barricades, maintain fencing, R & R fencing as needed for operations & deliveries, flagmen, tree protection, site safety signage and walks, and fire extinguisher distribution and maintenance. Labor force will open site each morning and close and secure at end of shift. Labor force is prepared to handle all site control issues that may arise out of GCC requests, and set up COVID protocols

**Total \$ 1,031,350**

# 5. Exhibit “E” - General Conditions

05/05/21

EXHIBIT  
“E”

## Attachment

General Contractor General Conditions Spreadsheet  
GCC  
Proposed General Conditions Costs & Fees for NSB

Date: **February 12, 2021**

Please use this document to calculate your proposed general conditions cost & fee for the above noted project. Please quote all personnel cost in weeks.

Description	Quantity	Unit	Labor	Material	Unit Cost	Labor Subtotal	Material Subtotal	Total Cost	Notes
<b>Supervision, Management, and Labor</b>									
1 Project Executive	50.75	weeks			\$7,920	\$401,940		\$401,940	
2 Sr. Project Manager	138.40	weeks			\$6,380	\$882,992		\$882,992	
3 Project Manager						\$0		\$0	Not Applicable
4 Sr. Project Engineer	138.40	weeks			\$4,240	\$586,816		\$586,816	
5 Project Engineer(s)	216.06	weeks			\$3,680	\$795,101		\$795,101	2 Project Engineers
6 Sr. Superintendent	129.75	weeks			\$6,960	\$903,060		\$903,060	
7 Superintendent	90.82	weeks			\$5,800	\$526,756		\$526,756	2nd Superintendent
8 Assistant Superintendent	38.93	weeks			\$4,800	\$186,864		\$186,864	3rd Superintendent
9 MEP Coordinator	34.40	weeks			\$5,860	\$201,584		\$201,584	
10 Safety Coordinator	114.45	weeks			\$4,360	\$499,002		\$499,002	
11 Field Office Coordinator/Admin	142.62	weeks			\$3,100	\$442,122		\$442,122	
12 Project Accountant	19.80	weeks			\$3,700	\$73,260		\$73,260	
13 Scheduler	7.00	weeks			\$5,740	\$40,180		\$40,180	
14 Escalation								\$561,679	
<b>Subtotal</b>								<b>\$6,101,356</b>	
<b>Site Office Expense</b>									
15 Jobsite Office Trailers, including restrooms	26	Months			\$3,200			\$83,200	
16 Office Jobsite Set-up	1	lump sum			\$55,000			\$55,000	
17 Computers/Laptops & Software	1	lump sum						N/A	Inc in Labor Rates
18 Mobile Phones/Communication								N/A	Inc in Labor Rates
19 Utility Connections Only (Service by Owner)	1	lump sum			\$8,500			\$8,500	
20 Trash/Dumpsters (For Jobsite Office only)	0	Months			\$300			\$0	
21 Office Furniture/Equipment Supplies	1	lump sum			\$58,400			\$58,400	
2 Phone/DSL/Network Installation	1	lump sum			\$12,000			\$12,000	
23 Internet Service	1	lump sum			\$12,500			\$12,500	
24 Jobsite Temporary Toilets & Hand Wash Stations	28	Months			\$4,000			\$112,000	
25 Other	1	lump sum			\$12,994			\$12,994	
<b>Subtotal</b>								<b>\$354,594</b>	
<b>General Equipment</b>									
26 Vehicles	28	Months			\$2,124			\$59,478	
27 Fuel	28	Months			\$3,210			\$89,880	
28 Small Tools & Equipment	1	Lump Sum			\$5,000			\$5,000	
<b>Subtotal</b>								<b>\$154,358</b>	
<b>Total Proposed General Conditions Costs</b>								<b>\$6,610,307</b>	

**Previous General Conditions based as below**

This Proposal is based on a construction duration of 24 months with a 2/1/2021 start date.

This Proposal is based on an estimated construction value of \$78,000,000.

**Current General Conditions based as below**

This Proposal is based on a construction duration of 28.33 months with a 4/1/2021 start date.

This Proposal is based on an estimated construction value of \$90,000,000.

# 6. Exhibit “A” – BIM Execution Plan

05/05/21

EXHIBIT  
“A”

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## 1) Introduction

- a) Contractor is using a model-based process for design-assist, design-build, and design coordination efforts for this Project to improve collaboration and information exchange throughout the Project's design, construction, commissioning and turnover. Contractor intends to develop and adopt a Project VDC (virtual design and construction) Execution Plan with complete model authoring, coordination, and collaboration workflows. This Project VDC Execution Plan will be submitted for acceptance by Owner and its design consultants.
- b) This Exhibit 4 provides basic requirements, which may be supplemented or superseded in part by other requirements in the Prime Contract or other Subcontract Documents, including any Project VDC Execution Plan guidelines. When adopted, the Project VDC Execution Plan will become a binding part of the Subcontract. If there is any conflict, inconsistency or ambiguity between the terms and provisions in this Exhibit and those of the Prime Contract, the Prime Contract requirements will govern over this Exhibit.
- c) Contractor requires Subcontractor and other designated subcontractors to participate in a formal design coordination process. Each such subcontractor must comply with the Project VDC Execution Plan guidelines in the preparation of building information model(s) for its own work. The cost of all software, modeling, detailing, meetings, training, and any other similar related efforts for this process in connection with Subcontractor's Work is the responsibility of Subcontractor and is included in the Subcontract Price.
- d) If, subsequent to the Effective Date, a Project VDC Execution Plan is adopted or modified, Contractor will make the current Project VDC Execution Plan available to Subcontractor. If either Subcontractor or Contractor believes that the current Project VDC Execution Plan differs from the requirements of the Subcontract Documents so as to affect the cost or time of Subcontractor's performance of the Work, then such party may request a Change Order for the cost or time impacts according to the terms of the Subcontract. Subcontractor's failure to so notify will function as Subcontractor's acknowledgment of no cost or time impacts from the updated Project VDC Execution Plan.

## 2) General Design Coordination Obligations

- a) Subcontractor will review and integrate all information provided by any other trade or subcontractor in its own efforts during the design coordination process. During preconstruction services and construction operations, Subcontractor will continue to coordinate their scope of work with all other trades until all design and constructability conflicts are resolved. At all stages of the Project, from design to turnover, Subcontractor must maintain accurate building information model(s) according to the Project VDC Execution Plan.
- b) Subcontractor will appoint a design coordination leader approved by Contractor for Subcontractor's coordination responsibilities, and any personnel replacements must be approved by Contractor. This coordination leader should have the authority to make final decisions pertaining to design and cost and should make every effort to attend all coordination meetings. Furthermore, the coordination leader is responsible for managing the Subcontractor's design coordination services, integrating with Contractor's design manager and the design coordination leaders of other trades, assuring the accuracy and integrity of Subcontractor's model deliverables, and assuring Subcontractor's compliance with the design coordination requirements of the Project VDC Execution Plan and Subcontract Documents.

## 3) Model Submittal Schedule

- a) Subcontractor must develop accurate building information models for its Work **in advance of the scheduled dates for procurement, fabrication and/or installation to allow for simultaneous coordination and analysis of all building systems**. For effective coordination, Subcontractor must submit its model data at the same time as other trades and according to the Subcontract Documents, Project VDC Execution Plan and Project Schedule. Subcontractor must adhere to the Project Schedule for the completion dates of model deliverables. In the absence of more specific schedule requirements, Subcontractor will submit a schedule identifying its model data completion date(s) for Contractor's written approval within 7 days of award of this Subcontract.
- b) If the Project Schedule does not contain submission or completion dates for model data of any specific trade, at a minimum **all models must be submitted to allow sufficient time for coordination, submittals, revisions, re-submittals, submittal reviews, procurement, and fabrication for the trade with the longest lead time and earliest install date**, and Subcontractor must plan and schedule its own modeling efforts in consideration of the entire Project and coordination with other trades for the benefit of the Project. Thus, Subcontractor may be required to submit its models much earlier than its own lead times

or install dates might otherwise dictate, and this will not entitle Subcontractor to any adjustment of the Subcontract Price or time for performance.

- c) All sub-tier contractors carried under this Subcontract and that are involved with the design coordination process must also complete and submit models per the Project's coordination schedule and participate in coordination meetings. **Subcontractor must review all models submitted by its sub-tier contractors** for accuracy, completeness and conformity to requirements of the Project VDC Execution Plan and Subcontract Documents before transmitting them or incorporating them. Exact modeling requirements are or will be set forth in the Project VDC Execution Plan and/or Prime Contract requirements.

#### 4) Design CAD/BIM Information

- a) If available, and as a convenience to Subcontractor, Contractor may provide models or CAD files made available by the Project's design team for Subcontractor's use in developing 3D coordination models and/or drawings. Subcontractor acknowledges that the use of any such files is at Subcontractor's sole risk, and that Subcontractor is solely responsible to assure that its models and drawings are accurate.
- b) Contractor makes no express or implied representations or warranties as to the accuracy or completeness of any design information or electronic files made available to Subcontractor, and Subcontractor remains solely responsible for the accuracy of any information it incorporates into its models or drawings.
- c) Subcontractor and all other participating trades must, upon request from Contractor, provide drawing or 3D model files (progress, final, and/or as-built) in the native file format, Industry Foundation Classes (IFC), and/or 3D DWG formats, as required, or otherwise as necessary for Contractor to complete the coordination process or to comply with Owner requests.

#### 5) Model Quality and Fitness for Purpose

- a) Except where specifically allowed otherwise by the Project VDC Execution Plan, Subcontractor must use 3D models to produce all design and construction documentation including contract drawings, shop drawings, and digital mockups. The model deliverables must be crafted with an appropriate level of detail defined in the Project VDC Execution Plan and elements must reflect general area of influence, shape and functionality representative of the design/engineering intent.
- b) Models are a deliverable for the Work and must be dimensionally accurate to the extent specified in this Exhibit or the Project VDC Execution Plan. The information reflected on the Subcontractor-generated contract drawings should be derived from the model elements, with accurate profiles, tags, dimensions, bills of material, and element data.
- c) Model origin must correspond with the intersection of building grid lines, with an established relationship to the relative survey benchmark, maintained through the life of the Project and must also adhere to architectural and/or structural grid systems and levels.
- d) Subcontractor must check and provide quality control over the work of its drafters so the fabrication model accurately represents the design intent as it will be installed in the field to function properly in a fully-integrated system that meets the performance requirements of the Subcontract Documents and the applicable standards of Subcontractor's trade. Subcontractor agrees to install its Work in accordance with the applicable approved final fabrication model(s) of its Work.
- e) If Subcontractor lacks the in-house resources or experience to accurately create the 3D models for its Work, it may outsource such services to a tier-subcontractor provided that Subcontractor gives Contractor written notice with the details of such transaction and Contractor does not disapprove the outsourcing within ten days after such notice. Subcontractor will remain fully responsible for all costs and liability resulting from the outsourced services and will remain responsible for the accuracy of the model for Subcontractor's Work.
- f) Contractor may reject any model that is inaccurate, improperly formatted, or otherwise deemed unfit for its purpose. Subcontractor will bear all costs resulting from the Subcontractor's model correction and re-submittal, including expediting premiums, without adjustment to the Subcontract Price or time for performance.
- g) If Subcontractor fails to provide an accurate model per the Project requirements, Contractor may prepare a suitable model through its own resources, and Subcontractor will be responsible for all Contractor's reasonably incurred expenses in doing so. If the Contractor provides a model on Subcontractor's behalf, Subcontractor will be responsible for the accuracy of such model as it relates to the systems Subcontractor will install.

- h) For any model for its scope of work that is not produced by the Subcontractor, the Subcontractor must take sole accountability and review the model and either (a) sign off on the model as accurate and free of errors or (b) provide a detailed, itemized list of discrepancies or corrections needed in the model, and, (c) after all identified corrections have been made, Subcontractor must sign off on the model as accurate and constructible. Subcontractor's signoff on any model provided by Contractor must be done in a timely manner to maintain the Project Schedule.

## 6) Design Coordination Requirements

- a) Contractor and its consultants and subcontractors, including Subcontractor, will actively participate in a design coordination process as a means to communicate, prioritize and resolve issues at an on-going basis. Issue tracking software will be used for issue resolution as means to provide real-time input and issue tracking by all project members, and not just the project design managers. Contractor will also request Owner and its design consultants to participate in this design coordination process.
- b) Contractor will collaborate with the project team to establish a model coordination strategy in alignment with each of the project phases and milestone deliverables to provide for a documented approach to coordination efforts to resolve design issues. Contractor will outline a coordination schedule with an order of operations on how model coordination will proceed for the Project, and Subcontractor will model and coordinate their work in accordance with this plan.
- c) Subcontractor will complete its own models and distribute the models in electronic files to Contractor, who will perform conflict checks, identify issues and assign coordination issues to the responsible party for resolution. Contractor's failure to perform interference checks or detect or resolve any design conflicts will not relieve the Subcontractor of any responsibility for the accuracy of its model or drawings.
- d) Subcontractor will actively review its model with the work of other trades as it is being developed, so the model(s) submitted by Subcontractor is void of avoidable issues, obstructions or space constraints. Therefore, Subcontractor is required to communicate and collaborate with the other trades independently, outside of coordination meetings, and share information with all project stakeholders as required.
- e) Subcontractor will participate in regular meetings with the Contractor, and other trades participating in the coordination efforts, to review conflicts and resolve design issues and system conflicts. For these meetings, Subcontractor must provide personnel with the authority, experience, and ability to address and resolve design issues and address any cost and/or schedule implications that may arise.
- f) In general, the routing of major systems must not greatly deviate from what is shown on the design documents unless rerouting is agreed to by the design team and Contractor through a conforming RFI. If all involved trades cannot agree upon a solution to a conflict, Contractor will determine a solution and provide direction for the team in order to maintain schedule certainty and progress.
- g) If Subcontractor becomes aware of a discrepancy or conflict between any part of the models used for coordination or another Subcontract Document, it will promptly notify the Contractor and the designer(s) affected by such discrepancy or conflict. Similarly, if Subcontractor becomes aware of an error, omission or problem in the design documentation or any trade's model, it will promptly notify the Contractor.
- h) As part of the modeling effort, Subcontractor must identify space constraints and system conflicts. These will require each participating trade, including Subcontractor, to relocate its systems to coordinate with the design, engineering, and/or work by other trades for the good of the entire Project. Each participating trade, including Subcontractor, must expect that it will have to relocate at least some portion of its systems. If a consensus resolution cannot be reached between participants, Contractor will, in its sole discretion, resolve conflicts between trades according to the best interests of the entire Project. The Subcontract Price accounts for these modeling, coordination and relocation requirements for the base scope, including during construction.
- i) If Subcontractor has a design-assist or design-build scope of Work, Subcontractor will work with the designers and Contractor to offer alternative materials and equipment, routing, conditions, constructability, and cost input - improving the overall quality, efficiency, completeness, and value of the design and construction documents.
- j) Subcontractor will verify applicable building systems for its work meet all design criteria, clearance requirements and maintenance access requirements.
- k) Subcontractor has accounted for the fact that the Project will incur some design changes and iterations for coordination. The Subcontract Price accounts for design iteration, coordination and validation, including all required request for information (RFI) responses, major architect's supplemental instruction (ASI) issuances, or other major and minor design changes necessitating some re-coordination. Subcontractor

will revise and resubmit areas for coordination after these design changes and/or revisions are communicated.

## 7) Acknowledgement of Coordination Completion

- a) At major coordination milestones, as defined by the Project schedule or VDC Execution Plan, Subcontractor and other trades coordinating their virtual design must execute an "Acknowledgement of Coordination Completion" (ACC). The ACC serves as each party's acknowledgement that the listed model(s) are ready for fabrication and/or ready to be issued for construction. Subcontractor must note any outstanding known issues before finalizing the ACC so that they can be assigned to responsible parties.
- b) A signed off model is defined as a "reviewed and approved" model that has been mutually agreed upon between Contractor and applicable trades as constructible and ready to be released as a production model for fabrication and/or construction. Prior to the start of detailed shop or installation drawings, the coordinating trades must provide constructability, design, and pricing input for their scope of work. Subcontractor agrees it is responsible for any errors or omissions in its models.
- c) If Owner-approved changes occur after a major coordination milestone and an ACC has been executed, Subcontractor's costs for model coordination rework must be included in Subcontractor's change order pricing.

## 8) Installing per the Coordinated Model

- a) Subcontractor must fabricate and install its Work per the approved fabrication model.
- b) Subcontractor must use the approved models as the key means of validating design and/or field information for installation accuracy and to support productivity in the field.
- c) Subcontractor is expressly responsible for making sure the coordinated, signed-off locations of its Work are communicated to its field foreman and field teams. Subcontractor must perform quality control inspections, as needed, to verify that Work is being installed per the coordinated models.
- d) Subcontractor must incorporate all authorized scope-related design input and clarifications, such as responses to Requests for Information after model signoff, into its models, whether or not they are otherwise reflected or updated in the design documents.
- e) Where there is a change order or change directive approving a design change, if that design change is not reflected in the construction documents issued by the designer of record, Subcontractor must incorporate such design change into the model and fabricate and install accordingly.

## 9) Final Model Turnover Deliverables

- a) Prior to start of coordination, Subcontractor must develop and submit a plan to Contractor for comparing the as-built location of managed assets (defined below) to their models to verify that final model deliverables meet positional requirements.
- b) Subcontractor models must be updated prior to substantial completion to reflect the as-built location of managed assets as required per the Prime Contract.
- c) The as-built location of managed assets in the final model deliverables must match the field locations with respect to orientation of the asset and positional accuracy within respective construction tolerance.

## 10) Required Technology, Software and Drawing Types

- a) Subcontractor is responsible, as part of its Subcontract Price, for (a) acquiring and maintaining all computer and network hardware, software, infrastructure, services and other computer technology necessary for its role in the Project and (b) for complying with the software requirements set forth in the Subcontract Documents or VDC Execution Plan.
- b) If Subcontractor desires to use systems, software, hardware, services and/or other technology that is not compatible with the technology required by the Subcontract Documents or VDC Execution Plan, Subcontractor will request written consent from Contractor prior to using the software on the Project. If Subcontractor uses any incompatible technology without prior consent, the Subcontractor will bear all costs resulting from errors and/or omissions or losses to itself, Contractor or any other project team member so impacted by Subcontractor.

- c) Subcontractor will be required to publish and share their detailed fabrication model at regular intervals to Autodesk BIM 360 or another software product as required by the VDC Execution Plan, per the instructions and guidelines defined in the VDC Execution Plan, and also provide a working copy of the native model file.
- d) Contractor will provide Subcontractor with access to the merged coordination models developed by Contractor, and therefore Subcontractor must have a working (paid subscription) to Autodesk Navisworks Manage or any other compatible software as required per the VDC Execution Plan.
- e) Models provided must comply with the International Format Classification for individual object categories, or further category delineation stated in the VDC Execution Plan.

## 11) General Modeling Responsibilities

- a) Models will follow industry standard and at a minimum the model will represent specific assemblies, accurate members in terms of size, shape, location, orientation and name.
- b) All components requiring field assembly and/or install are required to be detailed at LOD 300 or higher, unless otherwise specified in Project VDC Execution Plan.
- c) All fabrication assemblies and/or components are required to be detailed at a fabrication level (LOD 400), unless otherwise specified in Project VDC Execution Plan. Where applicable and required for coordination, models will represent fabrication level assemblies.
- d) All systems and services in Subcontractor's scope need to be coordinated, even those not modeled. Any conflicts with the work of other trades that result from Subcontractor's failure to model any elements of its Work will be the sole responsibility of the Subcontractor, including all costs of removing, re-routing, relocating, re-working, or otherwise correcting such conflicts of the other trades.
- e) Any additional supplemental supports and/or miscellaneous steel details will be included in the model to ensure proper coordination, install space, and connection details.
- f) All systems and services will be identified and correctly labeled in the model as per the design drawings and/or specifications. Subcontractors are to maintain the model element name and unique ID in relationship to the schedule tag, that correspond with equipment in construction document schedules.
- g) Model Clearance Requirements: Code, maintenance, working and/or constructability clearances (e.g., valve handle swings, pull chain drops), as required, for a specific utility line or equipment will be contained on one dedicated layer / model categories.
- h) Model components provided to Contractor by Subcontractor must conform to the project origin point, with scale and rotation to match the project standard.
- i) Subcontractor is responsible for any errors or omissions or additional work or costs incurred as a result of Subcontractor's failure to follow all guidelines and requirements in the VDC Execution Plan.
- j) Under no circumstances will the Subcontractor maintain separate working 2D and 3D files for the same components of work. The working documents must be modeled in a 3D software program that can generate 2D drawings as necessary. Subcontractor's 2D shop drawings must be integrated with the model views and be generated from the 3D model to avoid conflicting information.
- k) Subcontractor must add Unit Tag and Category attributes to objects that represent equipment and/or assets that require routine maintenance, have a preventive maintenance schedule, and/or have been identified by the Owner as requiring asset data ("managed assets"). These are required as part of Subcontractor's Subcontract Price and not as part of the Add Alternate in Section 13.
- l) **Unit Tag** is a unique identifier specified in project design documents and typically carried through into submittals. **Category** is the grouping into which the asset falls, and is commonly linked to how it is described by the specification or by a classification code name (e.g., air handling units, plumbing fixtures, transformers, etc.) (See Attribute Table is in [Section 13 – Model Attributes Scope](#) for reference.)

## 12) Modeling Scope Inclusions [modify per trade discipline and scope]

- a) **Site Utilities**
  - i) All pipes will be modeled to the outside diameter of the pipe
  - ii) All piping, fixtures, drains, valves, switches, back-flow preventers, meters, and gauges
  - iii) All piping work requiring insulation should have insulation modeled on a separate layer

- iv) Connections to 5' outside of building perimeter
  - v) Sleeves for all penetrations
  - vi) Trench excavation clearances (Solid 3D shape to clash with nearby utilities or other construction elements)
  - vii) Proper slope of all piping
  - viii) Raceways including the extent of Duct Banks
  - ix) All Pump Stations, Oil/Sand Separators, and other Equipment including pads and foundations
  - x) Fire Hydrants (permanent and temporary) including connections to main lines and thrust blocks
  - xi) All vaults and associated components within the vaults including ladders, platforms, doors, etc.
  - xii) Any concrete saddles, supports/hangers, and seismic requirements as well as their "halos" (zones of influence for point load distribution)
  - xiii) All pull/junction boxes
  - xiv) All Manholes/Handholes/other access points
- b) **Excavation and Grading**
- i) All clearances / safety zones needed to perform sequence of work
  - ii) All utility trenches
  - iii) Construction Grade
  - iv) Interim Grade
  - v) Rough Grade
  - vi) All items necessary for the construction of gabion walls
  - vii) 2D K-Rail Locations
- c) **Permanent Shoring Wall System**
- i) All members with correct sizes, weights and splices as required
  - ii) All shoring wall systems
  - iii) All tiebacks
  - iv) All intermediate steel, C-channels, angles, miscellaneous steel, seismic bracing, embeds, beam penetrations and holes etc.
  - v) All embeds and penetrations, anchor bolts, inserts, steel formers and miscellaneous steel
  - vi) Utility coordination / blockouts
- d) **Concrete**
- i) Footings and foundations
  - ii) Areas of influence and excavation zones around foundations
  - iii) Columns and beams
  - iv) Slabs and slab depressions
  - v) Pour breaks and construction joints (split objects by pour)
  - vi) Blockouts, openings, and keyways
  - vii) All inserts, sleeves, and embedded pipes, etc. provided by others to be cast in concrete shall be accounted for and coordinated with both the Subcontractor providing the element and the reinforcing trade
- e) **Precast**
- i) All unique members with correct sizes, weights, and connections
  - ii) Blockouts, openings, and keyways
  - iii) all embeds and penetrations, anchor bolts, inserts, steel formers and miscellaneous steel
  - iv) All reinforcing steel and tension cables and stirrups
  - v) All expansion and construction joints
  - vi) Insulation, if applicable
  - vii) Any hydronic piping for panels that incorporate piping, manifolds, connections, etc
- f) **Structural Steel**
- i) All beam and column members with correct sizes, weights, splices notches, and beam penetrations as required
  - ii) Secondary, supplemental, and intermediate steel: metal deck, tube steel, C-channels, angles, miscellaneous steel, seismic bracing, embeds
  - iii) All bracing and gusset plates
  - iv) All connection designs and details
  - v) All Welded and Bolted connections
  - vi) All intermediate steel, C-channels, angles, plates, miscellaneous steel, seismic bracing, embeds, beam penetrations and holes etc.

vii) External wall framing connections

g) **Exterior Envelope**

- i) Exteriors, walls – Required for identifying the location of rainwater leaders
- ii) Overall assembly thickness, inclusive of veneer, structure, insulation / air space, and interior skin
- iii) Members modeled at any interface with wall edges or openings through wall
- iv) Openings modeled with support framing around opening
- v) Precast Concrete panels are individually modeled. Connection points are specified
- vi) Critical details of waterproofing system – membrane, sheathing, insulation, weep holes

h) **Exterior Glazing / Curtain Wall System**

- i) Exteriors, storefront – Required for identifying the location of rainwater leaders
- ii) Profile of window frame elements and glazing
- iii) Rough opening dimensions and attachment of window to structure
- iv) Nominal face dimensions and thickness of glazing
- v) Support system of curtain wall; spacing, location size and orientation of mullions
- vi) Anchorage layouts and types modeled, interface between wall systems and support systems

i) **Roofing Systems**

- i) All metal decking
- ii) All plates with correct dimensions.
- iii) All connection steel associated with this Work
- iv) All anchorage associated with this Work
- v) All shear studs, welded and bolted connections
- vi) All penetrations and additional plate or pipe support

j) **Vertical Transportation**

- i) All structural support framing interfacing with superstructure
- ii) Any bracing back to primary structure – kickers, embeds, gussets, etc.
- iii) At a minimum, the vertical transportation itself should be modeled as a continuous object for coordination with other trades – i.e. items penetrating through or dimensioned in relation to the inside or outside face of the elevator shaft and/or equipment
- iv) Dimensions of the vertical transportation itself and location of both the inside and outside faces should be true and accurate
- v) Elevator or other hoist way shafts
- vi) Elevator equipment and structure required for elevator operation

k) **Drywall**

- i) Wall thickness, height and framed openings – Required for routing main utilities, locating VAV boxes, identifying priority wall framing, wall penetrations, fire stopping
- ii) Critical wall support elements
- iii) Major framing elements such as king studs, diagonal bracing, framed openings and headers
- iv) Studs, bottom and top track
- v) Shafts, wall chases – Required for identifying the correct locations of plumbing vents, and HVAC shafts
- vi) Kickers or other drywall supports – required for HVAC coordination

l) **Suspended Ceiling**

- i) Access panels, where applicable
- ii) Hard ceilings and soffits – Required for identifying HVAC diffuser locations, electrical fixture locations, and routing of utilities
- iii) Framing and support structure including attachment details to structural, concrete and precast decking system.
- iv) Overall assemblies, including structural backing, modeled to specific system thickness
- v) Assembly components, including furring channels, hangers, tees, splay wires, or other supports
- vi) Structural backing members, including bracing/ lateral framing/ kickers

m) **Mechanical**

- i) Medium pressure duct – Required for coordination and routing of other trades as well as pre-fabrication.
- ii) Low pressure duct – Required for coordination and routing of other trades as well as pre-fabrication.
- iii) Flanges
- iv) VAV boxes – Required for pre-fabrication purposes, coordination with HVAC heating hot water piping, tagged with correct equipment ID

- v) Fire Smoke Dampers – Required in coordination, tagged with correct equipment ID
- vi) Flex Ducts – Required for showing how low-pressure ducts connect to the diffusers
- vii) Diffuser locations and sizes – Required for coordination of finish utilities with the other fixtures in a room (like electrical fixtures, etc.)
- viii) Hangers and seismic bracing – Required for coordination and routing of other trades and for inserting the deck correctly before installation begins
- ix) HVAC Piping to VAV boxes – Main lines are required for coordinating with other trades; also required if they will be pre-fabricated; connections to VAV boxes can be left for field routing
- x) HVAC Piping to Equipment – Main lines are required for coordinating with other trades; also required if they will be pre-fabricated; final connections to equipment need to be coordinated on model as well
- xi) HVAC Piping 3/4" and greater need to be modeled – Useful for coordination and pre-fabrication
- xii) Underground utilities - Required for underground MEP / FP coordination
- xiii) Piping connections
- xiv) Actuating elements of equipment and all equipment
- xv) Housekeeping & equipment pads
- xvi) All sleeves for penetration of structure

**n) Electrical**

- i) Branch and feeder conduits – Unless otherwise approved by Contractor, any conduits 1" and greater need to be modeled. Model all branch home runs 1/2" and larger from the Panel to the first home run can/pull box, and all in-slab conduits 1/2" and larger for all electrical/low voltage systems. No single conduits under 1" outside of these specific areas are required to be modeled. Flex and MC not required.
- ii) All underground conduits – Required for underground MEP / FP coordination
- iii) Junction boxes – Required for coordination with other trades
- iv) Lighting fixtures – Required for coordination with other trades and finish utilities like ceiling grid, sprinkler heads, HVAC diffusers and specialty lighting. Tag with circuit number.
- v) All lighting supports for special lighting – Required for routing and coordination of other trades
- vi) Cable trays and other supports – Required for coordination with other trades
- vii) Hangers and seismic bracing – Required for coordination with other trades and for inserting the deck
- viii) Equipment Panels – Required for coordinating with wall framing to determine backing, etc. Tag with Panel number
- ix) Electrical rooms – Required for coordination with wall framing and other trades
- x) Bundles of cable or wiring greater than 1/2" and greater – Useful for coordination and pre-fabrication
- xi) Outlets and switch locations in rooms – Useful for pre-fabrication and coordination. Tag with Circuit number.
- xii) All equipment – Required for coordinating with other trades
- xiii) Housekeeping & equipment pads
- xiv) All sleeves for penetration of structure

**o) Building Automation System**

- i) Conduits and cabling, ganged conduit bundles, and/or rack runs.
- ii) Cable Trays
- iii) Shaft / Riser conduits and structural support systems
- iv) All low voltage feeds to equipment
- v) Equipment Panels
- vi) Transformers
- vii) J Hooks and other supports
- viii) Underfloor conduit and cabling
- ix) Junction boxes and pull boxes
- x) Temperature sensors to be coordinated with Architectural contract documents.
- xi) All strut racks will be modeled to ensure conflicts are eliminated.
- xii) Supports / Hangers
- xiii) Halos (Zone of Influence for point load distribution)
- xiv) Seismic Bracing

**p) Plumbing**

- i) Plumbing fixtures – Required for coordination with other MEP trades
- ii) Graded cast iron pipelines – Required for coordination with other trades and pre-fabrication
- iii) Underground storm and sewer pipes – Required for underground utilities coordination and for pre-fabrication
- iv) Waste and vent lines – Required for coordination with other trades and with architectural walls, shafts and for pre-fabrication

- v) Cold and hot water piping – Required for coordination with other trades and for pre-fabrication. Identify valves and tag with appropriate valve number.
- vi) Hangers and seismic bracing details – Required for coordination with other trades and for inserting before installation
- vii) Specialty piping – Required for coordination with other trades and for pre-fabrication
- viii) All equipment – Required for coordination
- ix) Housekeeping & equipment pads
- x) All sleeves for penetration of structure

q) **Fire Protection / Fire Alarm**

- i) Sprinkler mains and branches – Required for coordination with other trades and for pre-fabrication
- ii) Sprinkler head drops and swing arms – Required for coordination with finish utilities like electrical lighting, diffusers, etc.
- iii) Sprinkler pipes – Required if hard pipe is used, useful if the newer type of flex pipe is used.
- iv) Hangers and seismic bracing – Required for coordination with other trades and for inserting the deck correctly before installation begins
- v) Underground utilities - Required for underground MEP / FP coordination
- vi) All equipment – Required for coordination
- vii) Valves, drains, tamper switches, flow switches

r) **Kitchen Equipment**

- i) All kitchen equipment included in the contracted scope of work and as listed in the kitchen equipment schedule on sheets
- ii) All refrigerant lines, vacuum lines, and condenser sleds /equipment
- iii) All valves, controls, pull stations, and dampers
- iv) All Piping and hood / equipment supports including, but not limited to – unistrut, all-thread, or other support / hanging method and any associated seismic supports
- v) Any equipment pads required for kitchen equipment (regardless of scope or material they are fabricated from)
- vi) All clearance requirements including code-required clearances on one dedicated layer
- vii) All insulation and fire wrap, modeled on a separate layer
- viii) Any working areas around equipment that requires access for operations and maintenance
- ix) All Supplementary steel / miscellaneous metal required for the installation of kitchen equipment
- x) All kitchen equipment models will provide a level of detail that shows overall equipment size, all points of connection for utilities & MEPPF, transitions between kitchen equipment and scope provided by other trades, and clearances required for installation / maintenance / code requirements
- xi) Model all points of connection related to kitchen equipment, regardless of scope of work in the field

s) **Access Flooring**

- i) Access flooring showing extent of floor, pedestal general area of influence and thickness of flooring assembly
- ii) All framing and structural support framing
- iii) All bracing and bridging; Any bracing back to topping slab or structure
- iv) All floor panels – both accessible and inaccessible
- v) The panels should be modeled as individual objects to determine pedestal locations for coordination with other trades.
- vi) Dimensions to the panel itself and location of both the inside and outside faces should be true and accurate.

t) **Misc. Elements**

- i) Window washing equipment
- ii) Security equipment
- iii) Low voltage equipment
- iv) Interior glazing, millwork and panels
- v) Security Doors and partition systems
- vi) Doors, frames, and hardware

**13) Model Attributes Scope – [ADD ALTERNATE FOR VUEOPS TURNOVER]**

- a) [If Attachment 2 shows this Add Alternate as being selected, then this Section 13 is included in Subcontractor's Work]. To assist Owner with operationalizing the models, all subcontractors participating

in the VDC process must include the following model element attributes or parameters, and populate them with accurate values for each managed asset in their models:

The following data attributes enhance the utility of the project models by enabling building owners and facility managers to setup and manage data for various workflows more efficiently. **[The project team should choose from the following sets of attributes based on discussions with the Client on facility management workflows GCC is trying to provide data for]**

Attribute Name	Description	Custom Attribute?	User Input?
<b>Asset ID</b>	Asset ID, Barcode, or QR Code as specified by Owner	Yes	Yes
<b>Serial Number</b>	Serial Number recorded in the field	-	Yes
<b>Manufacturer</b>	Name of Manufacturer per approved submittal	-	Yes
<b>Model Number</b>	Model or make per approved submittal	-	Yes
<b>Unit Tag</b>	Drawing Tag as specified in project Record Documents and Submittals	-	Yes
<b>Location</b>	Equipment / Asset location	-	-
<b>Area name</b>	Equipment area		
<b>Space Name (Wbs 3)</b>	Space/Room Name in format specified in Architecture drawings	-	Yes
<b>Space Number (Wbs 4)</b>	Space/Room Number in format specified in Architecture drawings	-	Yes
<b>System Name</b>	Belonging to this system	-	Yes
<b>Sub-System</b>	Belonging to this sub-system (if req.)	Yes	Yes
<b>Zone</b>	Serving this zone	Yes	Yes
<b>Sub-zone</b>	Serving this sub-zone (if req.)	Yes	Yes
<b>Installation Date</b>	Date of equipment install	Yes	
<b>Warranty Start Date</b>	Date of functional testing (start of warranty period)	Yes	Yes
<b>Warranty End Date</b>	Per manufacturer warranty	Yes	Yes
<b>Warranty Company Name</b>	Manufacturer and/or Subcontractor Name	Yes	Yes

# 7. Exhibit “G” - Project Schedule

05/05/21

EXHIBIT  
“G”

Activity ID	Activity Name	Duration	Start	Finish	2020							2021							2022							2023							2024																						
					M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul
<b>Glendale CC - New Science Building</b>					1144   12/13/19 A   6/28/24																																																		
<b>Holiday Breaks</b>					1395   8/22/20 A   6/16/24																																																		
A36420	2020 Summer Break	9	8/22/20 A	8/30/20 A	8/22/20 A - 8/30/20 A, 2020 Summer Break																																																		
A36430	2020 Fall Break	18	12/17/20*	1/3/21	12/17/20* - 1/3/21, 2020 Fall Break																																																		
A36440	2021 Winter Break	4	2/12/21*	2/15/21	2/12/21* - 2/15/21, 2021 Winter Break																																																		
A36450	2021 Spring Break	4	6/10/21*	6/13/21	6/10/21* - 6/13/21, 2021 Spring Break																																																		
A36460	2021 Summer Break	9	8/21/21*	8/29/21	8/21/21* - 8/29/21, 2021 Summer Break																																																		
A36470	2021 FALL BREAK	18	12/16/21*	1/2/22	12/16/21* - 1/2/22, 2021 FALL BREAK																																																		
A36480	2022 Winter Break	3	2/18/22*	2/20/22	2/18/22* - 2/20/22, 2022 Winter Break																																																		
A36490	2022 Spring Break (TBD)	5	6/15/22*	6/19/22	6/15/22* - 6/19/22, 2022 Spring Break (TBD)																																																		
A36500	2022 Summer Break (TBD)	9	8/20/22*	8/28/22	8/20/22* - 8/28/22, 2022 Summer Break (TBD)																																																		
A36510	2022 Fall Break (TBD)	18	12/15/22*	1/1/23	12/15/22* - 1/1/23, 2022 Fall Break (TBD)																																																		
A36520	2023 Winter Break (TBD)	4	2/16/23*	2/19/23	2/16/23* - 2/19/23, 2023 Winter Break (TBD)																																																		
A36530	2023 Spring Break (TBD)	4	6/15/23*	6/18/23	6/15/23* - 6/18/23, 2023 Spring Break (TBD)																																																		
A36540	2023 Summer Break (TBD)	11	8/17/23*	8/27/23	8/17/23* - 8/27/23, 2023 Summer Break (TBD)																																																		
A36550	2023 Fall Break (TBD)	9	12/23/23*	12/31/23	12/23/23* - 12/31/23, 2023 Fall Break (TBD)																																																		
A36560	2024 Winter Break (TBD)	3	2/23/24*	2/25/24	2/23/24* - 2/25/24, 2024 Winter Break (TBD)																																																		
A36570	2024 Spring Break (TBD)	3	6/14/24*	6/16/24	6/14/24* - 6/16/24, 2024 Spring Break (TBD)																																																		
<b>Executive Summary</b>					1144   12/13/19 A   6/28/24																																																		
<b>Summary Schedule</b>					1144   12/13/19 A   6/28/24																																																		
GCC.1010	Proposal & Award	0	1/29/20 A		1/29/20 A, Proposal & Award																																																		
GCC.1000	Design	130	12/13/19 A	6/19/20 A	12/13/19 A - 6/19/20 A, Design																																																		
GCC.1050	Permit	143	6/22/20 A	1/14/21	6/22/20 A - 1/14/21, Permit																																																		
PS.1000	Mobilization and Safe-Off	32	3/25/21	5/7/21	3/25/21 - 5/7/21, Mobilization and Safe-Off																																																		
PS.1010	Site Prep (Demo - Shoring)	0	5/10/21	5/10/21	5/10/21, Site Prep (Demo - Shoring)																																																		
PS.1020	Shoring and Grading	89	6/1/21	10/5/21	6/1/21 - 10/5/21, Shoring and Grading																																																		
PS.1030	Foundation (Piles - Pile Caps)	46	10/6/21	12/10/21	10/6/21 - 12/10/21, Foundation (Piles - Pile Caps)																																																		
PS.1040	Structural Steel (Steel Erection - Plumb, Bolt, Weld)	15	2/2/22	2/23/22	2/2/22 - 2/23/22, Structural Steel (Steel Erection - Plumb, Bolt, Weld)																																																		
PS.1110	Roofing	62	3/24/22	6/20/22	3/24/22 - 6/20/22, Roofing																																																		
PS.1090	Exterior Elevation Framing & Sheathing	100	3/11/22	8/1/22	3/11/22 - 8/1/22, Exterior Elevation Framing & Sheathing																																																		
PS.1140	Vertical Transportation Complete	96	5/26/22	10/11/22	5/26/22 - 10/11/22, Vertical Transportation Complete																																																		
GCC.1060	Interior TI	178	3/28/22	12/7/22	3/28/22 - 12/7/22, Interior TI																																																		
PS.1130	Exterior Elevation Finishes	157	6/13/22	1/26/23	6/13/22 - 1/26/23, Exterior Elevation Finishes																																																		
PS.1150	Hardscape Concrete Flatwork & Landscape	50	2/27/23	5/5/23	2/27/23 - 5/5/23, Hardscape Concrete Flatwork & Landscape																																																		
PS.1160	Start-up, Final Sign Off	79	2/9/23	6/1/23	2/9/23 - 6/1/23, Start-up, Final Sign Off																																																		
PS.1180	Weather Allowance	30	6/2/23	7/14/23	6/2/23 - 7/14/23, Weather Allowance																																																		
GCC.1040	Construction Completed	0		7/14/23	7/14/23, Construction Completed																																																		
GCC.1020	Construction Duration	582	3/25/21	7/14/23	3/25/21 - 7/14/23, Construction Duration																																																		
A2990	Substantial Completion - CofO	0		7/14/23	7/14/23, Substantial Completion - CofO																																																		
A3000	Final Acceptance	0		8/4/23	8/4/23, Final Acceptance																																																		
A36380	Phase 2 - Move in and San Gabriel TI	108	7/17/23	12/18/23	7/17/23 - 12/18/23, Phase 2 - Move in and San Gabriel TI																																																		
A36390	Phase 3 - Arroyo Seco Demo	30	1/4/24	2/15/24	1/4/24 - 2/15/24, Phase 3 - Arroyo Seco Demo																																																		
A36400	Phase 4 - Site work and Elevator	94	2/16/24	6/28/24	2/16/24 - 6/28/24, Phase 4 - Site work and Elevator																																																		
<b>Project Milestones</b>					473   3/25/21   2/9/23																																																		
A36270	Start Construction	0	3/25/21		3/25/21, Start Construction																																																		
MS.1030	Certified Pad	0	10/6/21		10/6/21, Certified Pad																																																		
MS.1040	Start Structural Steel	0	12/13/21		12/13/21, Start Structural Steel																																																		
MS.1090	Start MEP O/H	0	3/11/22		3/11/22, Start MEP O/H																																																		
MS.1100	Penthouse Deck Pour	0		3/23/22	3/23/22, Penthouse Deck Pour																																																		
MS.1130	Roofing Complete	0		6/20/22	6/20/22, Roofing Complete																																																		
MS.1140	Elevator Sign-off	0		10/11/22	10/11/22, Elevator Sign-off																																																		
MS.1150	Begin Start Up	0	2/9/23		2/9/23, Begin Start Up																																																		
<b>Temp Stairs; Manlift; Temp Elev Operator</b>					264   1/21/22   10/11/22																																																		
TEMP.40	Manlift (Single Cab)	264	1/21/22	10/11/22	1/21/22 - 10/11/22, Manlift (Single Cab)																																																		



Activity ID	Activity Name	Duration	Start	Finish	2020							2021							2022							2023							2024										
					M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul
<b>Preconstruction</b>					622	12/13/19 A	6/3/22																																				
<b>Design</b>					130	12/13/19 A	6/19/20 A																																				
A1000	Design Development	0		12/13/19 A	Design Development																																						
A1020	Construction Documents (50%)	66	12/16/19 A	3/20/20 A	12/16/19 A, Construction Documents (50%)																																						
A1030	Construction Documents (90%)	39	4/27/20 A	6/19/20 A	6/19/20 A, Construction Documents (90%)																																						
<b>Permitting</b>					143	6/22/20 A	1/14/21																																				
A1040	Submit to DSA / First Review	72	6/22/20 A	10/1/20 A	10/1/20 A, Submit to DSA / First Review																																						
A1050	Receive First DSA comments	2	10/2/20 A	10/5/20 A	10/2/20 A, 10/5/20 A, Receive First DSA comments																																						
A1070	Incorporate DSA Comments into Documents	36	10/5/20 A	11/23/20 A	10/5/20 A, 11/23/20 A, Incorporate DSA Comments into Documents																																						
A1060	DSA Geo Tech soils revision	9	11/23/20 A	12/7/20	11/23/20 A, 12/7/20, DSA Geo Tech soils revision																																						
A2950	Resubmit to DSA / Backcheck Appointments	15	12/8/20	12/29/20	12/8/20, 12/29/20, Resubmit to DSA / Backcheck Appointments																																						
A2960	Receive DSA Permit (assumes 1 set of comments)	2	1/12/21	1/13/21	1/12/21, 1/13/21, Receive DSA Permit (assumes 1 set of comments)																																						
A1080	DSA review with Architect Back Check Comments	10	12/30/20	1/13/21	12/30/20, 1/13/21, DSA review with Architect Back Check Comments																																						
A1280	Review 100% CDs, Finalize Bid Docs	1	1/14/21	1/14/21	1/14/21, 1/14/21, Review 100% CDs, Finalize Bid Docs																																						
<b>DD/CD Set Review</b>					66	1/23/20 A	4/24/20 A																																				
A1130	Award	1	1/23/20 A	1/23/20 A	Award																																						
A1131	Estimate Review	1	1/28/20 A	1/28/20 A	Estimate Review																																						
PS.310	Project Awarded	0		1/29/20 A	Project Awarded																																						
A1132	Kickoff Constructability Review	1	1/30/20 A	1/30/20 A	Kickoff Constructability Review																																						
A1140	Kick off	1	2/6/20 A	2/6/20 A	Kick off																																						
A1158	Perform Constructability Review	18	1/31/20 A	2/27/20 A	1/31/20 A, Perform Constructability Review																																						
A1150	First Estimate Due	14	2/7/20 A	2/28/20 A	2/7/20 A, First Estimate Due																																						
A1160	Constructability Due	0	2/28/20 A	2/28/20 A	2/28/20 A, Constructability Due																																						
A1170	GCC/Gafcon Review DPR Estimate	4	3/2/20 A	3/6/20 A	3/2/20 A, GCC/Gafcon Review DPR Estimate																																						
A1168	Budget # 1 Reconciliation	5	3/6/20 A	3/12/20 A	3/6/20 A, Budget # 1 Reconciliation																																						
A1330	Constructability Review (CR) from 50% CD's	15	3/23/20 A	4/10/20 A	3/23/20 A, Constructability Review (CR) from 50% CD's																																						
A1180	Budget # 2 - 50% CD's	15	3/23/20 A	4/10/20 A	3/23/20 A, Budget # 2 - 50% CD's																																						
A1340	Reconcile Budget & CR's	5	4/13/20 A	4/17/20 A	4/13/20 A, Reconcile Budget & CR's																																						
A1350	HMC Incorporation of CR & VE into design	5	4/20/20 A	4/24/20 A	4/20/20 A, HMC Incorporation of CR & VE into design																																						
<b>Bid Process</b>					147	4/27/20 A	11/23/20																																				
A1190	Establish Procurement Procedures	60	4/27/20 A	7/21/20 A	4/27/20 A, 7/21/20 A, Establish Procurement Procedures																																						
A1200	Procedures Reviewed/Approved	5	7/22/20 A	7/28/20 A	7/22/20 A, 7/28/20 A, Procedures Reviewed/Approved																																						
A36600	Advertise to Pre Qual	43	9/17/20 A	11/17/20 A	9/17/20 A, 11/17/20 A, Advertise to Pre Qual																																						
A1220	Finalize Bidders List	81	7/27/20 A	11/18/20 A	7/27/20 A, 11/18/20 A, Finalize Bidders List																																						
A1210	Create Bid Docs - Bid Instructions, Schedule, Logistics	82	7/29/20 A	11/23/20	7/29/20 A, 11/23/20, Create Bid Docs - Bid Instructions, Schedule, Logistics																																						
<b>Early Work: Demo, Site Utilities, Shoring, Main Elec Feed Buyout</b>					55	12/8/20	2/26/21																																				
A7130	Compile & Issue Bid Packages (early work)	5	12/8/20	12/14/20	12/8/20, 12/14/20, Compile & Issue Bid Packages (early work)																																						
A7140	Pre-Bid meeting Jobwalk	5	12/15/20	12/21/20	12/15/20, 12/21/20, Pre-Bid meeting Jobwalk																																						
A36940	SUBCONTRACTORS GENERATE RFI'S	1	12/30/20	12/30/20	12/30/20, SUBCONTRACTORS GENERATE RFI'S																																						
A36950	DESIGN TEAM RESPOND TO SUBCONTRACTOR'S RFI's	5	12/31/20	1/7/21	12/31/20, 1/7/21, DESIGN TEAM RESPOND TO SUBCONTRACTOR'S RFI's																																						
A7150	Initial Bid Period	20	12/15/20	1/13/21	12/15/20, 1/13/21, Initial Bid Period																																						
A7160	Addendums RFI Responses & DSA comments	10	1/14/21	1/28/21	1/14/21, 1/28/21, Addendums RFI Responses & DSA comments																																						
A7170	Bid analysis (early work)	5	1/29/21	2/4/21	1/29/21, 2/4/21, Bid analysis (early work)																																						
A7180	Recommend Awards (early work)	5	2/5/21	2/11/21	2/5/21, 2/11/21, Recommend Awards (early work)																																						
A7190	GCC obtains District Approval (early work)	5	2/12/21	2/19/21	2/12/21, 2/19/21, GCC obtains District Approval (early work)																																						
A7200	GCC Release DPR Package / Novates Subcontracts (early work)	3	2/22/21	2/24/21	2/22/21, 2/24/21, GCC Release DPR Package / Novates Subcontracts (early work)																																						
A7210	DPR Issues Subcontracts (early work)	2	2/25/21	2/26/21	2/25/21, 2/26/21, DPR Issues Subcontracts (early work)																																						
<b>GMP SECOND BID PACKAGES</b>					95	1/15/21	6/1/21																																				
A1320	Pre Bid Meeting / Jobwalk	5	2/16/21	2/22/21	2/16/21, 2/22/21, Pre Bid Meeting / Jobwalk																																						
A1290	Compile & Issue Bid Packages	25	1/15/21	2/22/21	1/15/21, 2/22/21, Compile & Issue Bid Packages																																						
A1230	Addendums issued	10	2/23/21	3/8/21	2/23/21, 3/8/21, Addendums issued																																						
A1240	Receive Bids	5	3/9/21	3/15/21	3/9/21, 3/15/21, Receive Bids																																						
A1250	Bid Analysis	20	3/16/21	4/12/21	3/16/21, 4/12/21, Bid Analysis																																						
A1260	Finalize GMP & Submit for Approval	10	4/13/21	4/26/21	4/13/21, 4/26/21, Finalize GMP & Submit for Approval																																						























































# 8. Exhibit “H” – List of Contract Documents

05/05/21

EXHIBIT  
“H”

**Owner** Glendale Community College  
**Project Name** Glendale CC - New Sience Building

**List of Plans, Specifications & Reports**

## EXHIBIT "H"

### List of Plans, Specifications & Reports

**Owner** Glendale Community College  
**Project Name** Glendale CC - New Sience Building  
**Address** 1500 North Verdugo Road  
**City, ST Zip** Glendale , CA 91208  
**Architect:** HMC Architect  
**General Contractor:** DPR Construction

## A. DRAWINGS

I. **GENERAL:**  
As prepared by **Architect:** HMC ARCHITECTS

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
G0.10	COVER SHEET	HMC ARCHITECTS	6/19/2020
G0.11	SHEET INDEX	HMC ARCHITECTS	6/19/2020
G0.12	PROJECT DATA SHEET	HMC ARCHITECTS	6/19/2020
G1.11	CODE ANALYSIS	HMC ARCHITECTS	6/19/2020
G1.12	CODE ANALYSIS	HMC ARCHITECTS	6/19/2020
G1.21	1ST FLOOR - EXITING ANALYSIS	HMC ARCHITECTS	6/19/2020
G1.22	2ND FLOOR - EXITING ANALYSIS	HMC ARCHITECTS	6/19/2020
G1.23	3RD FLOOR - EXITING ANALYSIS	HMC ARCHITECTS	6/19/2020
G1.24	4TH FLOOR - EXITING ANALYSIS	HMC ARCHITECTS	6/19/2020
G1.25	5TH FLOOR - EXITING ANALYSIS	HMC ARCHITECTS	6/19/2020
G1.26	ROOF ACCESS - EXITING ANALYSIS	HMC ARCHITECTS	6/19/2020

II. **CIVIL:**  
As prepared by **Civil Engineer:** VCA ENGINEERS. INC

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
C1.0	GENERAL AND GEOTECHNICAL NOTES, LEGEND AND ABBREVIATIONS	VCA ENGINEERS. INC	11/23/2020
C1.1	ABBREVIATIONS	VCA ENGINEERS. INC	11/23/2020
CD1.0	SITE DEMOLITION PLAN	VCA ENGINEERS. INC	11/23/2020
CD2.0	SITE UTILITY DEMOLITION PLAN	VCA ENGINEERS. INC	11/23/2020
C2.0	SITE CONTROL PLAN	VCA ENGINEERS. INC	11/23/2020
C3.0	SITE GRADING PLAN	VCA ENGINEERS. INC	11/23/2020
C4.0	SITE UTILITY PLAN	VCA ENGINEERS. INC	11/23/2020
CD1.01	SITE DEMOLITION PLAN - PHASE 1	VCA ENGINEERS. INC	11/23/2020
CD1.02	EXISTING SITE PICTURES - PHASE 1	VCA ENGINEERS. INC	11/23/2020
CD2.01	DEMO UTILITY PLAN - PHASE 1	VCA ENGINEERS. INC	11/23/2020
C2.01	SITE CONTROL PLAN - PHASE 1	VCA ENGINEERS. INC	11/23/2020
C2.1	ENLARGED SITE CONTROL PLAN	VCA ENGINEERS. INC	11/23/2020
C3.01	SITE GRADING PLAN - PHASE 1	VCA ENGINEERS. INC	11/23/2020
C3.1	ENLARGED SITE GRADING PLAN PHASE 1	VCA ENGINEERS. INC	11/23/2020
C3.101	GRADING SECTIONS - PHASE 1	VCA ENGINEERS. INC	11/23/2020
C3.102	GRADING SECTIONS - PHASE 1	VCA ENGINEERS. INC	11/23/2020
C3.2	WALL PROFILE	VCA ENGINEERS. INC	11/23/2020
C3.3	WALL PROFILE	VCA ENGINEERS. INC	11/23/2020
C3.4	WALL PROFILE	VCA ENGINEERS. INC	11/23/2020
C3.5	WALL PROFILE	VCA ENGINEERS. INC	11/23/2020
C4.01	SITE UTILITY PLAN - PHASE 1	VCA ENGINEERS. INC	11/23/2020
C4.1	SANITARY SEWER PROFILE	VCA ENGINEERS. INC	11/23/2020
CD1.03	SITE DEMOLITION PLAN - PHASE 2	VCA ENGINEERS. INC	11/23/2020
CD2.02	DEMO UTILITY PLAN - PHASE 2	VCA ENGINEERS. INC	11/23/2020
C2.02	SITE CONTROL PLAN - PHASE 2	VCA ENGINEERS. INC	11/23/2020
C3.02	SITE GRADING PLAN - PHASE 2	VCA ENGINEERS. INC	11/23/2020
C3.12	ENLARGED SITE GRADING PLAN PHASE 2	VCA ENGINEERS. INC	11/23/2020
C3.103	GRADING SECTIONS - PHASE 2	VCA ENGINEERS. INC	11/23/2020
C3.104	GRADING SECTIONS - PHASE 2	VCA ENGINEERS. INC	11/23/2020
C4.02	SITE UTILITY PLAN - PHASE 2	VCA ENGINEERS. INC	11/23/2020
C4.2	LOW IMPACT DEVELOPMENT	VCA ENGINEERS. INC	11/23/2020
C4.3	STORM DRAIN PROFILE	VCA ENGINEERS. INC	11/23/2020
C4.4	LOW IMPACT DEVELOPMENT	VCA ENGINEERS. INC	11/23/2020
C5.0	MISCELLANEOUS DETAILS	VCA ENGINEERS. INC	11/23/2020

**Owner** Glendale Community College  
**Project Name** Glendale CC - New Sience Building

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C5.1	MISCELLANEOUS DETAILS	VCA ENGINEERS. INC	11/23/2020
C5.2	MISCELLANEOUS DETAILS	VCA ENGINEERS. INC	11/23/2020
C5.3	MISCELLANEOUS DETAILS	VCA ENGINEERS. INC	11/23/2020
C6.0	SITE OVEREXCAVATION PLAN	VCA ENGINEERS. INC	11/23/2020
C6.1	OVEREXCAVATION GRADING PLAN	VCA ENGINEERS. INC	11/23/2020
C6.2	OVEREXCAVATION SECTIONS 1, 2, & 3	VCA ENGINEERS. INC	11/23/2020
C6.3	OVEREXCAVATION SECTIONS 4 & 5	VCA ENGINEERS. INC	11/23/2020
C6.4	OVEREXCAVATION SECTIONS 6, 7, & 8	VCA ENGINEERS. INC	11/23/2020
C6.5	OVEREXCAVATION SECTIONS 9 & 10	VCA ENGINEERS. INC	11/23/2020
C6.6	OVEREXCAVATION SECTIONS 11 & 12	VCA ENGINEERS. INC	11/23/2020
C6.7	OVEREXCAVATION SECTIONS 12 & 13	VCA ENGINEERS. INC	11/23/2020
C7.0	EROSION CONTROL PLAN	VCA ENGINEERS. INC	11/23/2020
C7.1	EROSION CONTROL DETAILS	VCA ENGINEERS. INC	11/23/2020

**III. LANDSCAPE:**

As prepared by **Landscape Architect:** EPTDESIGN

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
L1.00	MASTER CONSTRUCITON LEGEND	EPTDESIGN	6/19/2020
L1.01	CONSTRUCTION PLAN	EPTDESIGN	6/19/2020
L1.31	CONSTRUCTION PLAN ENLARGEMENT	EPTDESIGN	6/19/2020
L1.32	UPPER TERRACE CONSTRUCTION PLAN	EPTDESIGN	6/19/2020
L1.51	CONSTRUCTION DETAILS	EPTDESIGN	6/19/2020
L1.52	CONSTRUCTION DETAILS	EPTDESIGN	6/19/2020
L1.53	CONSTRUCTION DETAILS	EPTDESIGN	6/19/2020
L1.54	CONSTRUCTION DETAILS	EPTDESIGN	6/19/2020
L2.00	MASTER IRRIGATION LEGNED	EPTDESIGN	6/19/2020
L2.01	IRRIGATION PLAN	EPTDESIGN	6/19/2020
L2.32	UPPER TERRACE CONSTRUCTION PLAN	EPTDESIGN	6/19/2020
L2.51	IRRIGATION DETAILS	EPTDESIGN	6/19/2020
L3.01	PLANTING PLAN	EPTDESIGN	6/19/2020
L3.32	UPPER TERRACE PLANTING PLAN	EPTDESIGN	6/19/2020
L3.51	PLANTING DETAILS	EPTDESIGN	6/19/2020

**IV. ARCHITECTURAL:**

As prepared by **Architect:** HMC ARCHITECT

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
A1.00	EXISTING - SITE PLAN OVERALL	HMC ARCHITECT	6/19/2020
A1.10	SITE DEMOLITION PLAN	HMC ARCHITECT	6/19/2020
A1.11	BRIDGE DEMOLITION	HMC ARCHITECT	6/19/2020
A1.20	REMODEL - SITE PLAN OVERALL	HMC ARCHITECT	6/19/2020
A1.21	REMODEL - SITE PLAN ENL PLANS	HMC ARCHITECT	6/19/2020
A1.22	REMODEL - SITE PLAN ENL SECTIONS/ELEVATIONS	HMC ARCHITECT	6/19/2020
A1.24	OVERALL FIRE ACCESS SITE PLAN	HMC ARCHITECT	6/19/2020
A1.25	FIRE ACCESS SITE PLAN	HMC ARCHITECT	6/19/2020
A1.26	TEMPORARY- FIRE ACCESS SITE PLAN	HMC ARCHITECT	6/19/2020
A2.11	1ST FLOOR SLAB PLAN	HMC ARCHITECT	6/19/2020
A2.12	2ND FLOOR SLAB PLAN	HMC ARCHITECT	6/19/2020
A2.13	3RD FLOOR SLAB PLAN	HMC ARCHITECT	6/19/2020
A2.14	4TH FLOOR SLAB PLAN	HMC ARCHITECT	6/19/2020
A2.15	5TH FLOOR SLAB PLAN	HMC ARCHITECT	6/19/2020
A2.16	PENTHOUSE FLOOR SLAB PLAN	HMC ARCHITECT	6/19/2020
A2.21	1ST FLOOR PLAN	HMC ARCHITECT	6/19/2020
A2.22	2ND FLOOR PLAN	HMC ARCHITECT	6/19/2020
A2.23	3RD FLOOR PLAN	HMC ARCHITECT	6/19/2020
A2.24	4TH FLOOR PLAN	HMC ARCHITECT	6/19/2020
A2.25	5TH FLOOR PLAN	HMC ARCHITECT	6/19/2020
A2.26	PENTHOUSE FLOOR PLAN	HMC ARCHITECT	6/19/2020
A2.31	1ST FLOOR DIMENSION PLAN	HMC ARCHITECT	6/19/2020
A2.32	2ND FLOOR DIMENSION PLAN	HMC ARCHITECT	6/19/2020
A2.33	3RD FLOOR DIMENSION PLAN	HMC ARCHITECT	6/19/2020
A2.34	4TH FLOOR DIMENSION PLAN	HMC ARCHITECT	6/19/2020
A2.35	5TH FLOOR DIMENSION PLAN	HMC ARCHITECT	6/19/2020
A2.36	PENTHOUSE DIMENSION PLAN	HMC ARCHITECT	6/19/2020
A2.41	1ST FLOOR FINISH PLAN	HMC ARCHITECT	6/19/2020
A2.42	2ND FLOOR FINISH PLAN	HMC ARCHITECT	6/19/2020
A2.43	3RD FLOOR FINISH PLAN	HMC ARCHITECT	6/19/2020
A2.44	4TH FLOOR FINISH PLAN	HMC ARCHITECT	6/19/2020

**Owner** Glendale Community College  
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A2.45	5TH FLOOR FINISH PLAN	HMC ARCHITECT	6/19/2020
A3.11	1ST FLOOR CEILING PLANS	HMC ARCHITECT	6/19/2020
A3.21	2ND FLOOR CEILING PLANS	HMC ARCHITECT	6/19/2020
A3.31	3RD FLOOR CEILING PLANS	HMC ARCHITECT	6/19/2020
A3.41	4TH FLOOR CEILING PLANS	HMC ARCHITECT	6/19/2020
A3.51	5TH FLOOR CEILING PLANS	HMC ARCHITECT	6/19/2020
A3.61	PENTHOUSE CEILING PLAN	HMC ARCHITECT	6/19/2020
A4.11	ROOF PLAN	HMC ARCHITECT	6/19/2020
A5.11	EXTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A5.12	EXTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A5.13	EXTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A5.14	EXTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A6.11	BUILDING SECTIONS	HMC ARCHITECT	6/19/2020
A6.12	BUILDING SECTIONS	HMC ARCHITECT	6/19/2020
A6.13	BUILDING SECTIONS	HMC ARCHITECT	6/19/2020
A6.21	WALL SECTIONS	HMC ARCHITECT	6/19/2020
A6.22	WALL SECTIONS	HMC ARCHITECT	6/19/2020
A6.23	WALL SECTIONS	HMC ARCHITECT	6/19/2020
A6.24	WALL SECTIONS	HMC ARCHITECT	6/19/2020
A7.11	ENLARGED PLANS & INTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A7.12	ENLARGED PLANS & INTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A7.13	ENLARGED PLANS & INTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A7.14	ENLARGED PLANS & INTERIOR ELEVATIONS	HMC ARCHITECT	6/19/2020
A7.21	EGRESS STAIR #1 - ELEVATIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.22	LOBBY STAIR #2 - ELEVATIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.23	EXTERIOR STAIR #3 - ELEVATIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.25	PLAZA STAIRS AND LECTURE HALL STAIR-ELEVATIONS AND ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.31	ELEVATORS - SECTIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.32	ELEVATORS - SECTIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.33	SITE ELEVATOR - ELEVATIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.41	OUTDOOR MECH - SECTIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A7.51	HORTICULTURE LAB - ELEVATIONS & ENLARGED PLANS	HMC ARCHITECT	6/19/2020
A8.11	INTERIOR ELEVATIONS - FIRST FLOOR	HMC ARCHITECT	6/19/2020
A8.12	INTERIOR ELEVATIONS - FIRST FLOOR	HMC ARCHITECT	6/19/2020
A8.13	INTERIOR ELEVATIONS - FIRST FLOOR	HMC ARCHITECT	6/19/2020
A8.14	INTERIOR ELEVATIONS - FIRST FLOOR	HMC ARCHITECT	6/19/2020
A8.21	INTERIOR ELEVATIONS - SECOND FLOOR	HMC ARCHITECT	6/19/2020
A8.22	INTERIOR ELEVATIONS - SECOND FLOOR	HMC ARCHITECT	6/19/2020
A8.23	INTERIOR ELEVATIONS - SECOND FLOOR	HMC ARCHITECT	6/19/2020
A8.24	INTERIOR ELEVATIONS - SECOND FLOOR	HMC ARCHITECT	6/19/2020
A8.25	INTERIOR ELEVATIONS - SECOND FLOOR	HMC ARCHITECT	6/19/2020
A8.26	INTERIOR ELEVATIONS - SECOND FLOOR	HMC ARCHITECT	6/19/2020
A8.31	INTERIOR ELEVATIONS - THIRD FLOOR	HMC ARCHITECT	6/19/2020
A8.32	INTERIOR ELEVATIONS - THIRD FLOOR	HMC ARCHITECT	6/19/2020
A8.33	INTERIOR ELEVATIONS - THIRD FLOOR	HMC ARCHITECT	6/19/2020
A8.34	INTERIOR ELEVATIONS - THIRD FLOOR	HMC ARCHITECT	6/19/2020
A8.35	INTERIOR ELEVATIONS - THIRD FLOOR	HMC ARCHITECT	6/19/2020
A8.36	INTERIOR ELEVATIONS - THIRD FLOOR	HMC ARCHITECT	6/19/2020
A8.37	INTERIOR ELEVATIONS - THIRD FLOOR	HMC ARCHITECT	6/19/2020
A8.41	INTERIOR ELEVATIONS - FOURTH FLOOR	HMC ARCHITECT	6/19/2020
A8.42	INTERIOR ELEVATIONS - FOURTH FLOOR	HMC ARCHITECT	6/19/2020
A8.43	INTERIOR ELEVATIONS - FOURTH FLOOR	HMC ARCHITECT	6/19/2020
A8.44	INTERIOR ELEVATIONS - FOURTH FLOOR	HMC ARCHITECT	6/19/2020
A8.45	INTERIOR ELEVATIONS - FOURTH FLOOR	HMC ARCHITECT	6/19/2020
A8.51	INTERIOR ELEVATIONS - FIFTH FLOOR	HMC ARCHITECT	6/19/2020
A8.52	INTERIOR ELEVATIONS - FIFTH FLOOR	HMC ARCHITECT	6/19/2020
A8.53	INTERIOR ELEVATIONS - FIFTH FLOOR	HMC ARCHITECT	6/19/2020
A8.54	INTERIOR ELEVATIONS - FIFTH FLOOR	HMC ARCHITECT	6/19/2020
A9.11	DOOR SCHEDULE	HMC ARCHITECT	6/19/2020
A9.12	DOOR SCHEDULE	HMC ARCHITECT	6/19/2020
A9.13	DOOR SCHEDULE	HMC ARCHITECT	6/19/2020
A9.21	WINDOW SCHEDULE	HMC ARCHITECT	6/19/2020
A9.22	WINDOW SCHEDULE	HMC ARCHITECT	6/19/2020
A9.23	CURTAIN WALL SCHEDULE	HMC ARCHITECT	6/19/2020
A9.24	CURTAIN WALL SCHEDULE	HMC ARCHITECT	6/19/2020
A9.25	STOREFRONT SCHEDULE	HMC ARCHITECT	6/19/2020
A9.26	INTERIOR WINDOW SCHEDULE	HMC ARCHITECT	6/19/2020
A9.27	INTERIOR WINDOW SCHEDULE	HMC ARCHITECT	6/19/2020

**Owner** Glendale Community College  
**Project Name** Glendale CC - New Science Building

**List of Plans, Specifications & Reports**

A10.00	SITE DETAILS	HMC ARCHITECT	6/19/2020
A10.01	SITE DETAILS	HMC ARCHITECT	6/19/2020
A10.02	SITE ELEVATOR & REMODEL RAIL DETAILS	HMC ARCHITECT	6/19/2020
A10.11	WALL DETAILS	HMC ARCHITECT	6/19/2020
A10.12	WALL DETAILS	HMC ARCHITECT	6/19/2020
A10.13	WALL DETAILS	HMC ARCHITECT	6/19/2020
A10.14	WALL DETAILS	HMC ARCHITECT	6/19/2020
A10.15	WALL DETAILS - EXTERIOR	HMC ARCHITECT	6/19/2020
A10.16	WALL DETAILS - EXTERIOR	HMC ARCHITECT	6/19/2020
A10.17	WALL DETAILS - EXTERIOR	HMC ARCHITECT	6/19/2020
A10.18	WALL DETAILS - EXTERIOR	HMC ARCHITECT	6/19/2020
A10.20	DOOR DETAILS	HMC ARCHITECT	6/19/2020
A10.21	DOOR & STOREFRONT DETAILS	HMC ARCHITECT	6/19/2020
A10.25	CURTAINWALL / STOREFRONT DETAILS	HMC ARCHITECT	6/19/2020
A10.26	CURTAINWALL / STOREFRONT DETAILS	HMC ARCHITECT	6/19/2020
A10.27	CURTAINWALL / STOREFRONT DETAILS	HMC ARCHITECT	6/19/2020
A10.31	CEILING DETAILS	HMC ARCHITECT	6/19/2020
A10.32	CEILING DETAILS	HMC ARCHITECT	6/19/2020
A10.33	CEILING DETAILS	HMC ARCHITECT	6/19/2020
A10.34	CEILING DETAILS	HMC ARCHITECT	6/19/2020
A10.35	CEILING DETAILS	HMC ARCHITECT	6/19/2020
A10.40	ROOF DETAILS	HMC ARCHITECT	6/19/2020
A10.41	PENTHOUSE DETAILS	HMC ARCHITECT	6/19/2020
A10.43	ROOF DETAILS- SITE ELEVATOR	HMC ARCHITECT	6/19/2020
A10.45	HORTICULTURE LAB DETAILS	HMC ARCHITECT	6/19/2020
A10.50	ELEVATOR DETAILS	HMC ARCHITECT	6/19/2020
A10.51	STAIR AND RAIL DETAILS	HMC ARCHITECT	6/19/2020
A10.52	STAIR AND RAIL DETAILS	HMC ARCHITECT	6/19/2020
A10.53	STAIR AND RAIL DETAILS	HMC ARCHITECT	6/19/2020
A10.60	CASEWORK DETAILS	HMC ARCHITECT	6/19/2020
A10.61	CASEWORK DETAILS	HMC ARCHITECT	6/19/2020
A10.70	ACCESSIBILITY, FIXTURE & ACCESSORY DETAILS	HMC ARCHITECT	6/19/2020
A10.71	ACCESSIBILITY, FIXTURE & ACCESSORY DETAILS	HMC ARCHITECT	6/19/2020
A10.80	SIGNAGE DETAILS	HMC ARCHITECT	6/19/2020
A10.81	SIGNAGE DETAILS	HMC ARCHITECT	6/19/2020
A10.82	SIGNAGE DETAILS	HMC ARCHITECT	6/19/2020
A10.91	MISCELLANEOUS DETAILS	HMC ARCHITECT	6/19/2020
A10.92	MISCELLANEOUS DETAILS	HMC ARCHITECT	6/19/2020
A10.93	MISCELLANEOUS DETAILS	HMC ARCHITECT	6/19/2020
A10.94	SEISMIC JOINT DETAILS	HMC ARCHITECT	6/19/2020
A10.95	SEISMIC JOINT DETAILS	HMC ARCHITECT	6/19/2020
A10.96	INTERIOR BUILDOUT - PENETRATIONS	HMC ARCHITECT	6/19/2020
A10.97	INTERIOR BUILDOUT - PENETRATIONS	HMC ARCHITECT	6/19/2020
A10.98	INTERIOR BUILDOUT - PENETRATIONS	HMC ARCHITECT	6/19/2020

**IV. LABORATORY CONSULTANT**

As prepared by **Laboratory Consultant:** RESEARCH FACILITIES DESIGN

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
LF001	KEYSHEET	RFD	11/23/2020
LF002	LABORATORY FITTINGS SCHEDULE	RFD	11/23/2020
LF003	LABORATORY EXHAUST SCHEDULE	RFD	11/23/2020
LF004	CASEWORK	RFD	11/23/2020
LF004.1	CASEWORK	RFD	11/23/2020
LF101	LEVEL 1	RFD	11/23/2020
LF101.1	LEVEL 1 - PARTIAL PLAN	RFD	11/23/2020
LF101.2	LEVEL 1 - PARTIAL PLAN	RFD	11/23/2020
LF102	LEVEL 2	RFD	11/23/2020
LF102.1	LEVEL 2 - PARTIAL PLAN	RFD	11/23/2020
LF102.2	LEVEL 2 - PARTIAL PLAN	RFD	11/23/2020
LF103	LEVEL 3	RFD	11/23/2020
LF103.1	LEVEL 3 - PARTIAL PLAN	RFD	11/23/2020
LF103.2	LEVEL 3 - PARTIAL PLAN	RFD	11/23/2020
LF104	LEVEL 4	RFD	11/23/2020
LF104.1	LEVEL 4 - PARTIAL PLAN	RFD	11/23/2020
LF104.2	LEVEL 4 - PARTIAL PLAN	RFD	11/23/2020
LF105	LEVEL 5	RFD	11/23/2020
LF105.1	LEVEL 5 - PARTIAL PLAN	RFD	11/23/2020

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LF105.2	LEVEL 5 - PARTIAL PLAN	RFD	11/23/2020
LF201	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF202	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF203	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF204	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF205	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF206	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF207	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF208	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF209	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF210	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF211	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF212	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF213	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF214	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF215	LABORATORY FURNISHINGS ELEVATIONS	RFD	11/23/2020
LF301	LABORATORY FURNISHINGS DETAILS	RFD	11/23/2020
LF302	LABORATORY FURNISHINGS DETAILS	RFD	11/23/2020
LF303	LABORATORY FURNISHINGS DETAILS	RFD	11/23/2020
LF304	LABORATORY FURNISHINGS DETAILS	RFD	11/23/2020
LF305	LABORATORY FURNISHINGS DETAILS	RFD	11/23/2020
LF306	LABORATORY FURNISHINGS DETAILS	RFD	11/23/2020
LF401	LABORATORY FURNISHINGS SERVICE FITTINGS	RFD	11/23/2020
LF402	LABORATORY FURNISHINGS SERVICE FITTINGS	RFD	11/23/2020
LF403	LABORATORY FURNISHINGS SERVICE FITTINGS	RFD	11/23/2020
LF404	LABORATORY FURNISHINGS SERVICE FITTINGS	RFD	11/23/2020
LP001	LABORATORY PLUMBING GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SCHEDULES	RFD	11/23/2020
LP002	LABORATORY PLUMBING POINT OF CONNECTION SCHEDULE	RFD	11/23/2020
LP101	LABORATORY PLUMBING LEVEL 1	RFD	11/23/2020
LP101.1	LABORATORY PLUMBING LEVEL 1 - PARTIAL PLAN	RFD	11/23/2020
LP101.2	LABORATORY PLUMBING LEVEL 1 - PARTIAL PLAN	RFD	11/23/2020
LP102	LABORATORY PLUMBING LEVEL 2	RFD	11/23/2020
LP102.1	LABORATORY PLUMBING LEVEL 2 - PARTIAL PLAN	RFD	11/23/2020
LP102.2	LABORATORY PLUMBING LEVEL 2 - PARTIAL PLAN	RFD	11/23/2020
LP103	LABORATORY PLUMBING LEVEL 3	RFD	11/23/2020
LP103.1	LABORATORY PLUMBING LEVEL 3 - PARTIAL PLAN	RFD	11/23/2020
LP103.2	LABORATORY PLUMBING LEVEL 3 - PARTIAL PLAN	RFD	11/23/2020
LP104	LABORATORY PLUMBING LEVEL 4	RFD	11/23/2020
LP104.1	LABORATORY PLUMBING LEVEL 4 - PARTIAL PLAN	RFD	11/23/2020
LP104.2	LABORATORY PLUMBING LEVEL 4 - PARTIAL PLAN	RFD	11/23/2020
LP105	LABORATORY PLUMBING LEVEL 5	RFD	11/23/2020
LP105.1	LABORATORY PLUMBING LEVEL 5 - PARTIAL PLAN	RFD	11/23/2020
LP105.2	LABORATORY PLUMBING LEVEL 5 - PARTIAL PLAN	RFD	11/23/2020
LP300.1	LABORATORY PLUMBING DETAILS	RFD	11/23/2020
LP300.2	LABORATORY PLUMBING DETAILS	RFD	11/23/2020
LP300.3	LABORATORY PLUMBING DETAILS	RFD	11/23/2020
LP300.4	LABORATORY PLUMBING DETAILS	RFD	11/23/2020
LE001	NOTE SHEET	RFD	11/23/2020
LE101	LEVEL 1 - OVERALL PLAN	RFD	11/23/2020
LE101.1	LEVEL 1 - PARTIAL PLAN	RFD	11/23/2020
LE101.2	LEVEL 1 - PARTIAL PLAN	RFD	11/23/2020
LE102	LEVEL 2 - OVERALL PLAN	RFD	11/23/2020
LE102.1	LEVEL 2 - PARTIAL PLAN	RFD	11/23/2020
LE102.2	LEVEL 2 - PARTIAL PLAN	RFD	11/23/2020
LE103	LEVEL 3 - OVERALL PLAN	RFD	11/23/2020
LE103.1	LEVEL 3 - PARTIAL PLAN	RFD	11/23/2020
LE103.2	LEVEL 3 - PARTIAL PLAN	RFD	11/23/2020
LE104	LEVEL 4 - OVERALL PLAN	RFD	11/23/2020
LE104.1	LEVEL 4 - PARTIAL PLAN	RFD	11/23/2020
LE104.2	LEVEL 4 - PARTIAL PLAN	RFD	11/23/2020
LE105	LEVEL 5 - OVERALL PLAN	RFD	11/23/2020
LE105.1	LEVEL 5 - PARTIAL PLAN	RFD	11/23/2020
LE105.2	LEVEL 5 - PARTIAL PLAN	RFD	11/23/2020
LE201	PANEL SCHEDULES	RFD	11/23/2020
LE202	PANEL SCHEDULES	RFD	11/23/2020
LE203	PANEL SCHEDULES	RFD	11/23/2020
LE204	PANEL SCHEDULES	RFD	11/23/2020

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LE205	PANEL SCHEDULES	RFD	11/23/2020
LE206	PANEL SCHEDULES	RFD	11/23/2020
LE207	PANEL SCHEDULES	RFD	11/23/2020
LE208	PANEL SCHEDULES	RFD	11/23/2020
LE209	PANEL SCHEDULES	RFD	11/23/2020
LE301	DETAIL SHEET	RFD	11/23/2020
LE302	DETAIL SHEET	RFD	11/23/2020

**V. STRUCTURAL:**  
As prepared by **Structural Engineer:** SAIFUL BOUQUET

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
S0.00	COVER SHEET AND SHEET LIST	SAIFUL BOUQUET	12/7/2020
S0.01	GENERAL NOTES	SAIFUL BOUQUET	12/7/2020
S0.02	GENERAL NOTES	SAIFUL BOUQUET	12/7/2020
S0.03	GENERAL NOTES	SAIFUL BOUQUET	12/7/2020
S0.04	GENERAL NOTES & ABBREVIATIONS	SAIFUL BOUQUET	12/7/2020
S0.10	TYPICAL REINFORCING STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.11	TYPICAL REINFORCING STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.12	TYPICAL CONCRETE DETAILS	SAIFUL BOUQUET	12/7/2020
S0.13	TYPICAL CONCRETE DETAILS	SAIFUL BOUQUET	12/7/2020
S0.14	TYPICAL CONCRETE DETAILS	SAIFUL BOUQUET	12/7/2020
S0.20	TYPICAL CMU DETAILS @ ELEVATOR	SAIFUL BOUQUET	12/7/2020
S0.21	TYPICAL MASONRY DETAILS @ ELEVATOR	SAIFUL BOUQUET	12/7/2020
S0.30	TYPICAL STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.31	TYPICAL STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.32	TYPICAL STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.33	TYPICAL STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.33A	TYPICAL STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.34	TYPICAL STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.35	TYPICAL STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.40	TYPICAL METAL DECK DETAILS	SAIFUL BOUQUET	12/7/2020
S0.41	TYPICAL METAL DECK AND STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.42	TYPICAL METAL DECK AND STEEL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.51A	TYPICAL INTERIOR METAL STUDS DETAILS	SAIFUL BOUQUET	12/7/2020
S0.51B	TYPICAL INTERIOR METAL STUD DETAILS	SAIFUL BOUQUET	12/7/2020
S0.51C	TYPICAL INTERIOR METAL STUD DETAILS	SAIFUL BOUQUET	12/7/2020
S0.52A	TYPICAL EXTERIOR METAL STUD DETAILS	SAIFUL BOUQUET	12/7/2020
S0.52B	TYPICAL EXTERIOR METAL STUD DETAILS	SAIFUL BOUQUET	12/7/2020
S0.52C	TYPICAL EXTERIOR METAL STUD DETAILS	SAIFUL BOUQUET	12/7/2020
S0.53A	TYPICAL METAL STUD DETAILS FOR INTERIOR/EXTERIOR WALLS	SAIFUL BOUQUET	12/7/2020
S0.54A	TYPICAL METAL STUD SOFFIT/CEILING AT CONCRETE FILLED DETAILS	SAIFUL BOUQUET	12/7/2020
S0.54B	TYPICAL METAL STUD SOFFIT/ CEILING TO BARE METAL DECK DETAILS	SAIFUL BOUQUET	12/7/2020
S0.60	TYPICAL DETAILS	SAIFUL BOUQUET	12/7/2020
S0.70	TYPICAL DETAILS	SAIFUL BOUQUET	12/7/2020
S1.01	3D VIEWS	SAIFUL BOUQUET	12/7/2020
S1.02	3D VIEWS	SAIFUL BOUQUET	12/7/2020
S1.11	OVERALL BUILDING SECTIONS	SAIFUL BOUQUET	12/7/2020
S1.12	OVERALL BUILDING SECTIONS	SAIFUL BOUQUET	12/7/2020
S1.21	2ND FLOOR LOADING DIAGRAM PLAN	SAIFUL BOUQUET	12/7/2020
S1.22	3RD FLOOR LOADING DIAGRAM PLAN	SAIFUL BOUQUET	12/7/2020
S1.23	4TH FLOOR LOADING DIAGRAM PLAN	SAIFUL BOUQUET	12/7/2020
S1.24	5TH FLOOR LOADING DIAGRAM PLAN	SAIFUL BOUQUET	12/7/2020
S1.25	ROOF LOADING DIAGRAM PLAN	SAIFUL BOUQUET	12/7/2020
S1.26	GABLE ROOF LOADING PLAN	SAIFUL BOUQUET	12/7/2020
S1.31	VIBRATION LOAD MAPS	SAIFUL BOUQUET	12/7/2020
S2.10	SITE STAIR PLAN	SAIFUL BOUQUET	12/7/2020
S2.11	FIRST FLOOR / FOUNDATION PLAN	SAIFUL BOUQUET	12/7/2020
S2.21	SECOND FLOOR FRAMING PLAN	SAIFUL BOUQUET	12/7/2020
S2.21A	SECOND FLOOR SFRS PLAN	SAIFUL BOUQUET	12/7/2020
S2.31	THIRD FLOOR FRAMING PLAN	SAIFUL BOUQUET	12/7/2020
S2.31A	THIRD FLOOR SFRS PLAN	SAIFUL BOUQUET	12/7/2020
S2.41	FOURTH FLOOR FRAMING PLAN	SAIFUL BOUQUET	12/7/2020
S2.41A	FOURTH FLOOR SFRS PLAN	SAIFUL BOUQUET	12/7/2020
S2.51	FIFTH FLOOR FRAMING PLAN	SAIFUL BOUQUET	12/7/2020
S2.51A	FIFTH FLOOR SFRS PLAN	SAIFUL BOUQUET	12/7/2020

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S2.61	ROOF FRAMING PLAN	SAIFUL BOUQUET	12/7/2020
S2.61A	ROOF SFRS PLAN	SAIFUL BOUQUET	12/7/2020
S2.62	ROOF POST PLAN	SAIFUL BOUQUET	12/7/2020
S2.71	GABLE ROOF FRAMING PLAN	SAIFUL BOUQUET	12/7/2020
S2.80	NEW ELEVATOR PLANS	SAIFUL BOUQUET	12/7/2020
S2.85	1ST FLOOR RCP SOFFIT JOIST PLAN	SAIFUL BOUQUET	12/7/2020
S2.91	PLANS STAIR #1	SAIFUL BOUQUET	12/7/2020
S2.92	PLAN STAIR #2	SAIFUL BOUQUET	12/7/2020
S2.93	PLAN STAIR #3	SAIFUL BOUQUET	12/7/2020
S2.95	MISCELLANEOUS ENLARGED PLANS	SAIFUL BOUQUET	12/7/2020
S2.96	MISCELLANEOUS ENLARGED PLANS	SAIFUL BOUQUET	12/7/2020
S3.01	FOUNDATION SCHEDULE AND DETAILS	SAIFUL BOUQUET	12/7/2020
S3.02	GRADE BEAM DETAILS	SAIFUL BOUQUET	12/7/2020
S3.03	FOUNDATION SCHEDULE AND TYPICAL DETAILS	SAIFUL BOUQUET	12/7/2020
S3.04	FOUNDATION DETAILS	SAIFUL BOUQUET	12/7/2020
S4.01	COLUMN SCHEDULE AND DETAILS	SAIFUL BOUQUET	12/7/2020
S4.02	COLUMN DETAILS	SAIFUL BOUQUET	12/7/2020
S5.01	BRBF FRAME ELEVATION	SAIFUL BOUQUET	12/7/2020
S5.02	BRBF FRAME ELEVATION	SAIFUL BOUQUET	12/7/2020
S5.10	BRBF TYPICAL DETAILS	SAIFUL BOUQUET	12/7/2020
S5.11	BRBF SECTIONS AND DETAILS	SAIFUL BOUQUET	12/7/2020
S5.12	CORE BRACE DETAILS	SAIFUL BOUQUET	12/7/2020
S5.13	CORE BRACE SCHEDULES	SAIFUL BOUQUET	12/7/2020
S5.14	CORE BRACE SCHEDULES	SAIFUL BOUQUET	12/7/2020
S5.20	MISCELLANEOUS ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S5.21	MISCELLANEOUS ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.01	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.02	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.03	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.04	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.05	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.06	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.07	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.08	METAL STUD WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S6.11	CMU WALL ELEVATIONS	SAIFUL BOUQUET	12/7/2020
S7.01	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.02	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.03	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.04	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.05	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.06	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.07	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.08	BUILDING WALL SECTIONS	SAIFUL BOUQUET	12/7/2020
S7.11	SECTION STAIRS #1	SAIFUL BOUQUET	12/7/2020
S7.12	SECTIONS STAIRS #2	SAIFUL BOUQUET	12/7/2020
S7.13	SECTIONS STAIR #3	SAIFUL BOUQUET	12/7/2020
S7.21	ELEVATOR SECTIONS	SAIFUL BOUQUET	12/7/2020
S8.01	FOUNDATION SECTIONS AND DETAILS	SAIFUL BOUQUET	12/7/2020
S8.02	SITE STAIRS ELEVATIONS AND SECTIONS	SAIFUL BOUQUET	12/7/2020
S8.03	FOUNDATION SECTIONS AND DETAILS	SAIFUL BOUQUET	12/7/2020
S8.11	SECTIONS AND DETAILS	SAIFUL BOUQUET	12/7/2020
S8.12	SECTIONS & DETAILS	SAIFUL BOUQUET	12/7/2020
S8.13	SECTIONS & DETAILS	SAIFUL BOUQUET	12/7/2020
S8.14	SECTION & DETAILS	SAIFUL BOUQUET	12/7/2020
S8.15	SECTIONS AND DETAILS	SAIFUL BOUQUET	12/7/2020
S9.01	STAIR DETAILS	SAIFUL BOUQUET	12/7/2020
S9.02	STAIR DETAILS	SAIFUL BOUQUET	12/7/2020
S9.03	STAIR DETAILS	SAIFUL BOUQUET	12/7/2020

**VI.****SHORING**

As prepared by **Shoring Engineer**: CEFALI & ASSOCIATES INC.

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
SS-1.0	GENERAL NOTES	CEFALI & ASSOCIATES INC	11/23/2020
SS-1.1	GENERAL NOTES	CEFALI & ASSOCIATES INC	11/23/2020
SS-2.0	TYPICAL DETAILS	CEFALI & ASSOCIATES INC	11/23/2020
SS-2.1	TYPICAL DETAILS & SCHEDULE	CEFALI & ASSOCIATES INC	11/23/2020
SS-3.0	SUPPORT OF EXCAVATION & RETAINING WALL PLAN	CEFALI & ASSOCIATES INC	11/23/2020

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SS-4.0	ELEVATIONS	CEFALI & ASSOCIATES INC	11/23/2020
SS-4.1	ELEVATIONS	CEFALI & ASSOCIATES INC	11/23/2020
SS-5.0	SECTIONS	CEFALI & ASSOCIATES INC	11/23/2020
SS-5.1	SECTIONS	CEFALI & ASSOCIATES INC	11/23/2020

**VII.****MECHANICAL:**As prepared by **Mechanical Engineer:** INTEGRAL GROUP

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
M0.01	MECHANICAL LEGENDS, ABBREVIATIONS, AND GENERAL NOTES	INTEGRAL GROUP	11/23/2020
M0.02	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.03	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.04	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.05	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.06	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.07	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.08	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.09	MECHANICAL EQUIPMENT SCHEDULES	INTEGRAL GROUP	11/23/2020
M0.20	MECHANICAL T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
M0.21	MECHANICAL T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
M0.22	MECHANICAL T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
M0.23	MECHANICAL T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
M0.24	MECHANICAL T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
M0.25	MECHANICAL T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
M1.01	MECHANICAL 1ST FLOOR ZONING PLAN	INTEGRAL GROUP	11/23/2020
M1.02	MECHANICAL 2ND FLOOR ZONING PLAN	INTEGRAL GROUP	11/23/2020
M1.03	MECHANICAL 3RD FLOOR ZONING PLAN	INTEGRAL GROUP	11/23/2020
M1.04	MECHANICAL 4TH FLOOR ZONING PLAN	INTEGRAL GROUP	11/23/2020
M1.05	MECHANICAL 5TH FLOOR ZONING PLAN	INTEGRAL GROUP	11/23/2020
M1.20	REMODEL - MECHANICAL OVERALL SITE PLAN	INTEGRAL GROUP	11/23/2020
M1.21	REMODEL - MECHANICAL SITE ENLARGED PLAN	INTEGRAL GROUP	11/23/2020
M2.01	MECHANICAL 1ST FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M2.02	MECHANICAL 2ND FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M2.03	MECHANICAL 3RD FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M2.04	MECHANICAL 4TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M2.05	MECHANICAL 5TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M2.06	MECHANICAL ATTIC FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M2.07	MECHANICAL ATTIC FLOOR PLAN - DUCT & PIPE SUPPORTS	INTEGRAL GROUP	11/23/2020
M3.01	MECHANICAL HYDRONIC 1ST FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M3.02	MECHANICAL HYDRONIC 2ND FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M3.03	MECHANICAL HYDRONIC 3RD FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M3.04	MECHANICAL HYDRONIC 4TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M3.05	MECHANICAL HYDRONIC 5TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M3.06	MECHANICAL HYDRONIC ATTIC FLOOR PLAN	INTEGRAL GROUP	11/23/2020
M4.01	MECHANICAL ENLARGED PLANS (SC-414 & SC-418)	INTEGRAL GROUP	11/23/2020
M4.02	MECHANICAL ENLARGED PLANS (SC-416)	INTEGRAL GROUP	11/23/2020
M4.03	MECHANICAL ENLARGED PLANS (AHU-01)	INTEGRAL GROUP	11/23/2020
M4.04	MECHANICAL ENLARGED PLANS (AHU-02)	INTEGRAL GROUP	11/23/2020
M4.05	MECHANICAL ENLARGED PLANS (AHU-03)	INTEGRAL GROUP	11/23/2020
M4.06	MECHANICAL ENLARGED PLANS (AHU-04)	INTEGRAL GROUP	11/23/2020
M4.07	MECHANICAL ENLARGED PLANS (BOILER ROOM)	INTEGRAL GROUP	11/23/2020
M4.08	MECHANICAL ENLARGED PLANS (FEF)	INTEGRAL GROUP	11/23/2020
M5.01	MECHANICAL DIAGRAM - AIR (AHU-01 & AHU-02)	INTEGRAL GROUP	11/23/2020
M5.02	MECHANICAL DIAGRAM - AIR (AHU-03 & AHU-04)	INTEGRAL GROUP	11/23/2020
M5.03	MECHANICAL DIAGRAM - EXHAUST (WEST)	INTEGRAL GROUP	11/23/2020
M5.04	MECHANICAL DIAGRAM - EXHAUST (EAST)	INTEGRAL GROUP	11/23/2020
M5.05	MECHANICAL DIAGRAM - HHW PRIMARY SECONDARY VARIABLE	INTEGRAL GROUP	11/23/2020
M5.06	MECHANICAL DIAGRAM - HYDRONIC	INTEGRAL GROUP	11/23/2020
M6.01	MECHANICAL SEISMIC DETAILS (BOILER)	INTEGRAL GROUP	11/23/2020
M6.02	MECHANICAL SEISMIC DETAILS (PUMP)	INTEGRAL GROUP	11/23/2020
M6.03	MECHANICAL SEISMIC DETAILS (AHU)	INTEGRAL GROUP	11/23/2020
M6.04	MECHANICAL SEISMIC DETAILS (AHU)	INTEGRAL GROUP	11/23/2020
M6.05	MECHANICAL SEISMIC DETAILS (CWFC)	INTEGRAL GROUP	11/23/2020
M6.06	MECHANICAL SEISMIC DETAILS (VRCU)	INTEGRAL GROUP	11/23/2020
M6.07	MECHANICAL SEISMIC DETAILS (VRFC)	INTEGRAL GROUP	11/23/2020
M6.08	MECHANICAL SEISMIC DETAILS (VRFC)	INTEGRAL GROUP	11/23/2020
M6.09	MECHANICAL SEISMIC DETAILS (EF & RF)	INTEGRAL GROUP	11/23/2020

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M6.10	MECHANICAL SEISMIC DETAILS	INTEGRAL GROUP	11/23/2020
M6.11	MECHANICAL SEISMIC DETAILS	INTEGRAL GROUP	11/23/2020
M6.12	MECHANICAL PIPING DETAILS	INTEGRAL GROUP	11/23/2020
M6.13	MECHANICAL PIPING DETAILS	INTEGRAL GROUP	11/23/2020
M6.14	MECHANICAL DUCT DETAILS	INTEGRAL GROUP	11/23/2020
M6.15	MECHANICAL DUCT DETAILS	INTEGRAL GROUP	11/23/2020
M6.16	MECHANICAL EQUIPMENT DETAILS (AHU)	INTEGRAL GROUP	11/23/2020
M6.17	MECHANICAL EQUIPMENT DETAILS (AHU)	INTEGRAL GROUP	11/23/2020
M6.18	MECHANICAL EQUIPMENT DETAILS	INTEGRAL GROUP	11/23/2020
M6.19	MECHANICAL SEISMIC DETAILS (FEF-1 THRU 4)	INTEGRAL GROUP	11/23/2020
M7.01	BUILDING AUTOMATION DETAILS	INTEGRAL GROUP	11/23/2020
M7.02	BUILDING AUTOMATION DETAILS	INTEGRAL GROUP	11/23/2020
M7.03	BUILDING AUTOMATION DETAILS (LAB)	INTEGRAL GROUP	11/23/2020
M7.04	BUILDING AUTOMATION DETAILS (LAB)	INTEGRAL GROUP	11/23/2020
M7.05	BUILDING AUTOMATION DETAILS (LAB)	INTEGRAL GROUP	11/23/2020
M7.06	BUILDING AUTOMATION DETAILS (LAB)	INTEGRAL GROUP	11/23/2020
M7.07	BUILDING AUTOMATION DETAILS (LAB)	INTEGRAL GROUP	11/23/2020
M7.08	BUILDING AUTOMATION DETAILS (LAB)	INTEGRAL GROUP	11/23/2020

**VIII.****ELECTRICAL:**As prepared by **Electrical Engineer:** INTEGRAL GROUP

<b>Number</b>	<b>Title</b>	<b>Issue</b>	<b>Date</b>
E0.01	ELECTRICAL LEGEND	INTEGRAL GROUP	11/23/2020
E0.02	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS	INTEGRAL GROUP	11/23/2020
E0.03	LTG FIXTURE SCHEDULE	INTEGRAL GROUP	11/23/2020
E0.04	LTG FIXTURE SCHEDULE	INTEGRAL GROUP	11/23/2020
E0.10	T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
E0.11	T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
E0.12	T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
E0.13	T24 COMPLIANCE FORMS	INTEGRAL GROUP	11/23/2020
E1.01	ELECTRICAL SITE LIGHTING PLAN	INTEGRAL GROUP	11/23/2020
E1.20	ELECTRICAL SITE PLAN	INTEGRAL GROUP	11/23/2020
E1.21	REMODEL - ELECTRICAL SITE ENL PLAN	INTEGRAL GROUP	11/23/2020
E2.01	ELECTRICAL 1ST RCP PLAN	INTEGRAL GROUP	11/23/2020
E2.02	ELECTRICAL 2ND RCP PLAN	INTEGRAL GROUP	11/23/2020
E2.03	ELECTRICAL 3RD RCP PLAN	INTEGRAL GROUP	11/23/2020
E2.04	ELECTRICAL 4TH RCP PLAN	INTEGRAL GROUP	11/23/2020
E2.05	ELECTRICAL 5TH RCP PLAN	INTEGRAL GROUP	11/23/2020
E2.06	ELECTRICAL PENTHOUSE RCP PLAN	INTEGRAL GROUP	11/23/2020
E3.01	ELECTRICAL 1ST FLOOR PLAN	INTEGRAL GROUP	11/23/2020
E3.02	ELECTRICAL 2ND FLOOR PLAN	INTEGRAL GROUP	11/23/2020
E3.03	ELECTRICAL 3RD FLOOR PLAN	INTEGRAL GROUP	11/23/2020
E3.04	ELECTRICAL 4TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
E3.05	ELECTRICAL 5TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
E3.06	ELECTRICAL ROOF FLOOR PLAN	INTEGRAL GROUP	11/23/2020
E4.01	ELECTRICAL ENLARGED ROOMS	INTEGRAL GROUP	11/23/2020
E5.01	LIGHTING CONTROL DETAILS	INTEGRAL GROUP	11/23/2020
E5.02	LIGHTING CONTROL DETAILS	INTEGRAL GROUP	11/23/2020
E5.03	LIGHTING CONTROL DETAILS	INTEGRAL GROUP	11/23/2020
E5.04	LIGHTING CONTROL DETAILS	INTEGRAL GROUP	11/23/2020
E5.05	LIGHTING CONTROL DETAILS	INTEGRAL GROUP	11/23/2020
E5.06	ELECTRICAL DETAILS	INTEGRAL GROUP	11/23/2020
E5.07	ELECTRICAL DETAILS	INTEGRAL GROUP	11/23/2020
E5.08	ELECTRICAL DETAILS	INTEGRAL GROUP	11/23/2020
E5.09	ELECTRICAL DETAILS	INTEGRAL GROUP	11/23/2020
E5.10	ELECTRICAL DETAILS	INTEGRAL GROUP	11/23/2020
E5.11	ELECTRICAL DETAILS	INTEGRAL GROUP	11/23/2020
E6.01	ELECTRICAL SCHEDULES	INTEGRAL GROUP	11/23/2020
E6.02	ELECTRICAL SINGLE LINE DIAGRAM	INTEGRAL GROUP	11/23/2020
E6.03	ELECTRICAL SINGLE LINE DIAGRAM	INTEGRAL GROUP	11/23/2020
E7.01	ELECTRICAL PANEL SCHEDULES	INTEGRAL GROUP	11/23/2020
E7.02	ELECTRICAL PANEL SCHEDULES	INTEGRAL GROUP	11/23/2020
E7.03	ELECTRICAL PANEL SCHEDULES	INTEGRAL GROUP	11/23/2020
E7.04	ELECTRICAL PANEL SCHEDULES	INTEGRAL GROUP	11/23/2020
E7.05	ELECTRICAL PANEL SCHEDULES	INTEGRAL GROUP	11/23/2020
E9.01	ELECTRICAL EGRESS CALCULATIONS	INTEGRAL GROUP	11/23/2020
E9.02	ELECTRICAL EGRESS CALCULATIONS	INTEGRAL GROUP	11/23/2020
E9.03	ELECTRICAL EGRESS CALCULATIONS	INTEGRAL GROUP	11/23/2020

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E9.04	ELECTRICAL EGRESS CALCULATIONS	INTEGRAL GROUP	11/23/2020
E9.05	ELECTRICAL EGRESS CALCULATIONS	INTEGRAL GROUP	11/23/2020
E9.06	ELECTRICAL EGRESS CALCULATIONS	INTEGRAL GROUP	11/23/2020

**IX. FIRE ALARM:**  
 As prepared by **Fire Alarm Engineer:** (Engineer name here)

Number	Title	Issue	Date
FA0.01	FIRE ALARM TITLE SHEET	INTEGRAL GROUP	11/23/2020
FA1.20	FIRE ALARM SITE PLAN	INTEGRAL GROUP	11/23/2020
FA2.11	FIRE ALARM 1ST RCP PLAN	INTEGRAL GROUP	11/23/2020
FA2.12	FIRE ALARM 2ND RCP PLAN	INTEGRAL GROUP	11/23/2020
FA2.13	FIRE ALARM 3RD RCP PLAN	INTEGRAL GROUP	11/23/2020
FA2.14	FIRE ALARM 4TH RCP PLAN	INTEGRAL GROUP	11/23/2020
FA2.15	FIRE ALARM 5TH RCP PLAN	INTEGRAL GROUP	11/23/2020
FA2.16	FIRE ALARM ATTIC PLAN	INTEGRAL GROUP	11/23/2020
FA5.01	FIRE ALARM DETAILS	INTEGRAL GROUP	11/23/2020
FA5.02	FIRE ALARM DETAILS	INTEGRAL GROUP	11/23/2020
FA5.03	FIRE ALARM DETAILS	INTEGRAL GROUP	11/23/2020
FA6.01	FIRE ALARM RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
FA6.02	FIRE ALARM BATTERY CALCS	INTEGRAL GROUP	11/23/2020
FA6.03	FIRE ALARM VOLTAGE DROP CALCULATIONS	INTEGRAL GROUP	11/23/2020
FA6.04	FIRE ALARM VOLTAGE DROP CALCULATIONS	INTEGRAL GROUP	11/23/2020

**X. PLUMBING:**  
 As prepared by **Plumbing Engineer:** (Engineer name here)

Number	Title	Issue	Date
P0.01	PLUMBING LEGEND, ABBREVIATIONS, AND GENERAL NOTES	INTEGRAL GROUP	11/23/2020
P0.02	PLUMBING GENERAL, EQUIPMENT SCHEDULE	INTEGRAL GROUP	11/23/2020
P0.03	PLUMBING HYDRAULIC CALCULATIONS	INTEGRAL GROUP	11/23/2020
P0.04	PLUMBING NOTES	INTEGRAL GROUP	11/23/2020
P0.05	PLUMBING TITLE 24	INTEGRAL GROUP	11/23/2020
P1.20	PLUMBING OVERALL SITE PLAN	INTEGRAL GROUP	11/23/2020
P1.21	PLUMBING REMODEL SITE ENLARGED PLAN	INTEGRAL GROUP	11/23/2020
P2.00	PLUMBING DRAINAGE UNDERGROUND FLOOR PLAN	INTEGRAL GROUP	11/23/2020
P2.01	PLUMBING 1ST FLOOR PLAN	INTEGRAL GROUP	11/23/2020
P2.01A	PLUMBING 1ST FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.01B	PLUMBING 1ST FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.02	PLUMBING 2ND FLOOR PLAN	INTEGRAL GROUP	11/23/2020
P2.02A	PLUMBING 2ND FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.02B	PLUMBING 2ND FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.03	PLUMBING 3RD FLOOR PLAN	INTEGRAL GROUP	11/23/2020
P2.03A	PLUMBING 3RD FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.03B	PLUMBING 3RD FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.04	PLUMBING 4TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
P2.04A	PLUMBING 4TH FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.04B	PLUMBING 4TH FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.05	PLUMBING 5TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
P2.05A	PLUMBING 5TH FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.05B	PLUMBING 5TH FLOOR PLAN - PARTIAL PLAN	INTEGRAL GROUP	11/23/2020
P2.06	PLUMBING ATTIC FLOOR PLAN	INTEGRAL GROUP	11/23/2020
P2.07	PLUMBING ROOF PLAN	INTEGRAL GROUP	11/23/2020
P5.01	DOMESTIC HOT AND COLD WATER RISER	INTEGRAL GROUP	11/23/2020
P5.02	DOMESTIC HOT AND COLD WATER RISER BATHROOM FLOORS 1-5	INTEGRAL GROUP	11/23/2020
P5.05	OVERALL RECLAIM WATER ISOMETRIC	INTEGRAL GROUP	11/23/2020
P5.06	RECLAIM WATER - RESTROOM FLOORS 43835	INTEGRAL GROUP	11/23/2020
P5.10	INDUSTRIAL HOT & COLD WATER RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
P5.24	CORE RESTROOM SANITARY	INTEGRAL GROUP	11/23/2020
P5.30	LAB WASTE AND VENT	INTEGRAL GROUP	11/23/2020
P5.40	GAS RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
P5.41	LAB VACCUUM RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
P5.50	STORM RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
P5.60	RO/DI SYSTEM RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
P5.61	TEPID WATER RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
P5.70	SAN & VENT RISER DIAGRAM - EAST	INTEGRAL GROUP	11/23/2020
P5.71	SAN & VENT RISER DIAGRAM - WEST	INTEGRAL GROUP	11/23/2020

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P6.01	PLUMBING DETAIL	INTEGRAL GROUP	11/23/2020
P6.02	PLUMBING DETAILS	INTEGRAL GROUP	11/23/2020
P6.03	PLUMBING DETAILS	INTEGRAL GROUP	11/23/2020
P6.04	PLUMBING DETAILS	INTEGRAL GROUP	11/23/2020
P6.05	PLUMBING DETAILS	INTEGRAL GROUP	11/23/2020

**XI. TELECOM:**  
 As prepared by **Telecom Engineer:** INTEGRAL GROUP

Number	Title	Issue	Date
T0.01	TECHNOLOGY GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND SHEET LIST	INTEGRAL GROUP	11/23/2020
T1.20	TECHNOLOGY SITE PLAN	INTEGRAL GROUP	11/23/2020
T2.01	TECHNOLOGY 1ST FLOOR RCP PLAN	INTEGRAL GROUP	11/23/2020
T2.02	TECHNOLOGY 2ND FLOOR RCP PLAN	INTEGRAL GROUP	11/23/2020
T2.03	TECHNOLOGY 3RD FLOOR RCP PLAN	INTEGRAL GROUP	11/23/2020
T2.04	TECHNOLOGY 4TH FLOOR RCP PLAN	INTEGRAL GROUP	11/23/2020
T2.05	TECHNOLOGY 5TH FLOOR RCP PLAN	INTEGRAL GROUP	11/23/2020
T3.01	TECHNOLOGY 1ST FLOOR PLAN	INTEGRAL GROUP	11/23/2020
T3.02	TECHNOLOGY 2ND FLOOR PLAN	INTEGRAL GROUP	11/23/2020
T3.03	TECHNOLOGY 3RD FLOOR PLAN	INTEGRAL GROUP	11/23/2020
T3.04	TECHNOLOGY 4TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
T3.05	TECHNOLOGY 5TH FLOOR PLAN	INTEGRAL GROUP	11/23/2020
T3.06	TECHNOLOGY ATTIC FLOOR PLAN	INTEGRAL GROUP	11/23/2020
T3.07	TECHNOLOGY ROOF PLAN	INTEGRAL GROUP	11/23/2020
T4.00	TELECOM ROOM ENLARGED PLAN	INTEGRAL GROUP	11/23/2020
T4.01	TELECOM ROOM ENLARGED PLAN	INTEGRAL GROUP	11/23/2020
T4.02	TELECOM ROOM ENLARGED PLAN	INTEGRAL GROUP	11/23/2020
T4.03	TELECOM ROOM ENLARGED PLAN	INTEGRAL GROUP	11/23/2020
T4.04	TELECOM ROOM ENLARGED PLAN	INTEGRAL GROUP	11/23/2020
T5.00	TECHNOLOGY RISER DIAGRAM	INTEGRAL GROUP	11/23/2020
T6.00	TECHNOLOGY DETAILS	INTEGRAL GROUP	11/23/2020
T6.01	TECHNOLOGY DETAILS	INTEGRAL GROUP	11/23/2020
T6.02	SECURITY DETAILS	INTEGRAL GROUP	11/23/2020
T6.03	AV DETAILS	INTEGRAL GROUP	11/23/2020

**XII. FIRE PROTECTION:**  
 As prepared by **Fire Protection Engineer:** PACIFIC FIRE ENGINEERING

Number	Title	Issue	Date
FP0.1	FIRE SPRINKLER DETAILS	PACIFIC FIRE ENGINEERING	11/23/2020
FP0.1A	FIRE PROTECTION HYDRAULIC REFERENCE PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP0.2	FIRE SPRINKLER DETAILS	PACIFIC FIRE ENGINEERING	11/23/2020
FP0.3	FIRE SPRINKLER DETAILS	PACIFIC FIRE ENGINEERING	11/23/2020
FP0.3	FIRE SPRINKLER DETAILS	PACIFIC FIRE ENGINEERING	11/23/2020
FP0.5	FIRE SPRINKLER DETAILS	PACIFIC FIRE ENGINEERING	11/23/2020
FP0.6	FIRE SPRINKLER DETAILS	PACIFIC FIRE ENGINEERING	11/23/2020
FP1	FIRST FLOOR FIRE PROTECTION PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP1.1	FIRST FLOOR FIRE PROTECTION CEILING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP2	SECOND FLOOR FIRE PROTECTION PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP2.1	ECOND FLOOR FIRE PROTECTION CEILING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP3	THIRD FLOOR FIRE PROTECTION PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP3.1	THIRD FLOOR FIRE PROTECTION CEILING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP4	FOURTH FLOOR FIRE PROTECTION PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP4.1	FOURTH FLOOR FIRE PROTECTION CEILING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP5	FIFTH FLOOR FIRE PROTECTION PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP5.1	FIFTH FLOOR FIRE PROTECTION CEILING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP6	MECHANICAL PENTHOUSE FIRE PROTECTION PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP7	FIRST FLOOR STANDPIPE PIPING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP7.1	SECOND FLOOR STANDPIPE PIPING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP7.2	THIRD FLOOR STANDPIPE PIPING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP7.3	FOURTH FLOOR STANDPIPE PIPING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP7.4	FIFTH FLOOR STANDPIPE PIPING PLAN	PACIFIC FIRE ENGINEERING	11/23/2020
FP8	BUILDING CROSS SECTION	PACIFIC FIRE ENGINEERING	11/23/2020
FP8.1	BUILDING CROSS SECTION	PACIFIC FIRE ENGINEERING	11/23/2020

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**B. SPECIFICATIONS**

- I. **SPECIFICATIONS:**  
 As prepared by Architect: HMC ARCHITECT

<u>Number</u>	<u>Title</u>	<u>Issue</u>	<u>Date</u>
<b>DIV. 01</b>	<b>GENERAL REQUIREMENTS</b>		
01 11 00	01 11 00 - PHASING OF THE WORK	HMC ARCHITECT	6/19/2020
01 26 10	01 26 10 - REQUESTS FOR INFORMATION (RFI)	HMC ARCHITECT	6/19/2020
01 30 00	01 30 00 - ADMINISTRATIVE REQUIREMENTS	HMC ARCHITECT	6/19/2020
01 32 16.13	01 32 16.13 - NETWORK ANALYSIS SCHEDULES	HMC ARCHITECT	6/19/2020
01 35 13. 23	01 35 13 23 - SITE STANDARDS	HMC ARCHITECT	6/19/2020
01 35 42	01 35 42 - CALGREEN REQUIREMENTS	HMC ARCHITECT	6/19/2020
01 42 13	01 42 13 - ABBREVIATIONS AND ACRONYMS	HMC ARCHITECT	6/19/2020
01 50 00	01 50 00 - TEMPORARY FACILITIES AND CONTROLS	HMC ARCHITECT	6/19/2020
01 55 00	01 55 00 - VEHICULAR ACCESS AND PARKING	HMC ARCHITECT	6/19/2020
01 57 20	01 57 20 - CONTROL OF CONSTRUCTION NOISE	HMC ARCHITECT	6/19/2020
01 60 00	01 60 00 - PRODUCT REQUIREMENTS	HMC ARCHITECT	6/19/2020
01 70 00	01 70 00 - EXECUTION REQUIREMENTS	HMC ARCHITECT	6/19/2020
01 74 19	01 74 19 - CONSTRUCTION WASTE MANAGEMENT	HMC ARCHITECT	6/19/2020
01 77 00	01 77 00 - CLOSEOUT PROCEDURES	HMC ARCHITECT	6/19/2020
01 81 19	01 81 19 - CONSTRUCTION INDOOR AIR QUALITY	HMC ARCHITECT	6/19/2020
<b>DIV. 01</b>	<b>GENERAL REQUIREMENTS</b>		
SECTION 01 40 00	QUALITY REQUIREMENTS	HMC ARCHITECT	6/19/2020
SECTION 01 91 13	COMMISSIONING REQUIREMENTS REMAINDER OF DIVISION 01 TO BE PROVIDED BY OWNER UNDER SEPARATE COVER	HMC ARCHITECT	6/19/2020
<b>DIV. 02</b>	<b>EXISTING CONDITIONS</b>		
SECTION 02 41 16	BUILDING DEMOLITION	HMC ARCHITECT	6/19/2020
SECTION 02 42 00	DEMOLITION	HMC ARCHITECT	6/19/2020
<b>DIV. 03</b>	<b>CONCRETE</b>		
SECTION 03 30 00	CAST-IN-PLACE CONCRETE	HMC ARCHITECT	6/19/2020
SECTION 03 35 00	CONCRETE FLOOR FINISHING	HMC ARCHITECT	6/19/2020
SECTION 03 35 43	POLISHED CONCRETE FINISHING	HMC ARCHITECT	6/19/2020
<b>DIV. 04</b>	<b>MASONRY</b>		
SECTION 04 22 00	REINFORCED UNIT MASONRY	HMC ARCHITECT	6/19/2020
<b>DIV. 05</b>	<b>METALS</b>		
SECTION 05 12 00	STRUCTURAL STEEL FRAMING	HMC ARCHITECT	6/19/2020
SECTION 05 12 50	BUCKLING RESTRAINED BRACES	HMC ARCHITECT	6/19/2020
SECTION 05 31 00	STEEL DECKING	HMC ARCHITECT	6/19/2020
SECTION 05 40 00	COLD-FORMED METAL FRAMING	HMC ARCHITECT	6/19/2020
SECTION 05 45 00	METAL SUPPORT SYSTEM	HMC ARCHITECT	6/19/2020
SECTION 05 50 00	METAL FABRICATIONS	HMC ARCHITECT	6/19/2020
SECTION 05 52 00	HANDRAILS AND RAILINGS	HMC ARCHITECT	6/19/2020
SECTION 05 73 00	SMOKE BAFFLE SYSTEM	HMC ARCHITECT	6/19/2020
SECTION 05 73 10	GLASS RAILING SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 05 73 16	WIRE ROPE METAL RAILINGS	HMC ARCHITECT	6/19/2020
<b>DIV. 06</b>	<b>WOOD, PLASTICS, AND COMPOSITES</b>		
SECTION 06 20 00	FINISH CARPENTRY - INSTALLATION OF DOORS SECTION 06 41 16 - CASEWORK	HMC ARCHITECT	6/19/2020
SECTION 06 42 19	DECORATIVE LAMINATE WALL PANELS	HMC ARCHITECT	6/19/2020
SECTION 06 61 16	SOLID POLYMER FABRICATIONS	HMC ARCHITECT	6/19/2020
<b>DIV. 07</b>	<b>THERMAL AND MOISTURE PROTECTION</b>		
SECTION 07 13 26	SECTION 07 13 26 - SHEET MEMBRANE WATERPROOFING	HMC ARCHITECT	6/19/2020
SECTION 07 18 13	SECTION 07 18 13 - TRAFFIC COATINGS - PEDESTRIAN	HMC ARCHITECT	6/19/2020
SECTION 07 21 00	SECTION 07 21 00 - INSULATION	HMC ARCHITECT	6/19/2020
SECTION 07 21 13	SECTION 07 21 13 - RIGID THERMAL INSULATION	HMC ARCHITECT	6/19/2020
SECTION 07 26 16	SECTION 07 26 16 - VAPOR BARRIER	HMC ARCHITECT	6/19/2020
SECTION 07 27 26	SECTION 07 27 26 - FLUID APPLIED MEMBRANE AIR BARRIERS	HMC ARCHITECT	6/19/2020
SECTION 07 32 13	SECTION 07 32 13 - CLAY ROOFING TILES	HMC ARCHITECT	6/19/2020
SECTION 07 32 19	SECTION 07 32 19 - METAL ROOFING TILES	HMC ARCHITECT	6/19/2020
SECTION 07 42 14	SECTION 07 42 14 - INSULATED METAL WALL PANELS	HMC ARCHITECT	6/19/2020
SECTION 07 42 43	SECTION 07 42 43 - COMPOSITE PANELS	HMC ARCHITECT	6/19/2020
SECTION 07 54 19.20	SECTION 07 54 19.20 - SINGLE-PLY PVC ROOFING - FULLY ADHERED	HMC ARCHITECT	6/19/2020
SECTION 07 54 20	SECTION 07 54 20 - PVC THERMOPLASTIC SHEET WATERPROOFING - PLAZA DECK	HMC ARCHITECT	6/19/2020
SECTION 07 62 00	SECTION 07 62 00 - SHEET METAL FLASHING AND TRIM	HMC ARCHITECT	6/19/2020

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SECTION 07 72 00	SECTION 07 72 00 - ROOFING ACCESSORIES	HMC ARCHITECT	6/19/2020
SECTION 07 72 23	SECTION 07 72 23 - MANUFACTURED ROOF SPECIALTIES	HMC ARCHITECT	6/19/2020
SECTION 07 81 16	SECTION 07 81 16 - CEMENTITIOUS FIREPROOFING	HMC ARCHITECT	6/19/2020
SECTION 07 81 24	SECTION 07 81 24 - INTUMESCENT FIREPROOFING	HMC ARCHITECT	6/19/2020
SECTION 07 84 00	SECTION 07 84 00 - FIRESTOPPING	HMC ARCHITECT	6/19/2020
SECTION 07 87 00	SECTION 07 87 00 - ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM	HMC ARCHITECT	6/19/2020
SECTION 07 92 00	SECTION 07 92 00 - JOINT SEALANTS	HMC ARCHITECT	6/19/2020
SECTION 07 95 13	SECTION 07 95 13 - EXPANSION JOINT COVER ASSEMBLIES	HMC ARCHITECT	6/19/2020
<b>DIV. 08</b>	<b>OPENINGS</b>		
SECTION 08 12 13	HOLLOW METAL FRAMES - WELDED	HMC ARCHITECT	6/19/2020
SECTION 08 13 13	HOLLOW METAL DOORS	HMC ARCHITECT	6/19/2020
SECTION 08 14 16	FLUSH WOOD DOORS	HMC ARCHITECT	6/19/2020
SECTION 08 31 13	ACCESS DOORS	HMC ARCHITECT	6/19/2020
SECTION 08 33 22	COILING FIRE DOORS AND SHUTTERS	HMC ARCHITECT	6/19/2020
SECTION 08 34 73	SOUND CONTROL DOORS	HMC ARCHITECT	6/19/2020
SECTION 08 41 13	ALUMINUM ENTRANCES AND STOREFRONTS	HMC ARCHITECT	6/19/2020
SECTION 08 43 25	FIRE-RATED GLAZING SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 08 44 14	GLAZED ALUMINUM CURTAIN WALL	HMC ARCHITECT	6/19/2020
SECTION 08 51 13	ALUMINUM WINDOWS	HMC ARCHITECT	6/19/2020
SECTION 08 56 19	PASS WINDOWS	HMC ARCHITECT	6/19/2020
SECTION 08 71 00	DOOR HARDWARE	HMC ARCHITECT	6/19/2020
SECTION 08 80 00	GLAZING	HMC ARCHITECT	6/19/2020
SECTION 08 84 00	PLASTIC GLAZING	HMC ARCHITECT	6/19/2020
SECTION 08 87 00	SOLAR CONTROL WINDOW FILM	HMC ARCHITECT	6/19/2020
SECTION 08 87 33	DECORATIVE FILMS	HMC ARCHITECT	6/19/2020
SECTION 08 91 00	METAL WALL LOUVERS	HMC ARCHITECT	6/19/2020
<b>DIV. 09</b>	<b>FINISHES</b>		
SECTION 09 05 61	COMMON WORK RESULTS FOR FLOORING PREPARATION SECTION 09 06 00 - SCHEDULES FOR FINISHES	HMC ARCHITECT	6/19/2020
SECTION 09 21 16	SHAFT WALLS	HMC ARCHITECT	6/19/2020
SECTION 09 22 16	NON-STRUCTURAL METAL FRAMING	HMC ARCHITECT	6/19/2020
SECTION 09 24 00	PORTLAND CEMENT PLASTERING	HMC ARCHITECT	6/19/2020
SECTION 09 29 00	GYPSUM BOARD	HMC ARCHITECT	6/19/2020
SECTION 09 30 13	CERAMIC TILE	HMC ARCHITECT	6/19/2020
SECTION 09 51 00	ACOUSTICAL CEILINGS - LAY-IN	HMC ARCHITECT	6/19/2020
SECTION 09 51 33	METAL CEILING PANELS	HMC ARCHITECT	6/19/2020
SECTION 09 53 23	ACOUSTICAL SUSPENSION SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 09 54 23.10	LINEAR METAL CEILINGS - STEEL	HMC ARCHITECT	6/19/2020
SECTION 09 65 13	RESILIENT BASE	HMC ARCHITECT	6/19/2020
SECTION 09 65 14	RESILIENT FLOORING - STAIRS	HMC ARCHITECT	6/19/2020
SECTION 09 65 15	COVE CAPS, REDUCERS AND TRANSITIONAL MOULDINGS	HMC ARCHITECT	6/19/2020
SECTION 09 65 16	RESILIENT SHEET FLOORING - LAYERED	HMC ARCHITECT	6/19/2020
SECTION 09 65 20	RESILIENT TILE FLOORING	HMC ARCHITECT	6/19/2020
SECTION 09 66 23	RESINOUS MATRIX TERRAZZO FLOORING	HMC ARCHITECT	6/19/2020
SECTION 09 67 23	RESINOUS FLOORING - EPOXY	HMC ARCHITECT	6/19/2020
SECTION 09 68 16	TILE CARPETING	HMC ARCHITECT	6/19/2020
SECTION 09 72 16	CUSTOM DIGITAL WALL COVERING	HMC ARCHITECT	6/19/2020
SECTION 09 72 17	FIBERGLASS REINFORCED PLASTIC PANELS	HMC ARCHITECT	6/19/2020
SECTION 09 72 19	FABRIC FINISHED TACKABLE WALL PANELS	HMC ARCHITECT	6/19/2020
SECTION 09 72 70	TACKABLE WALLCOVERING	HMC ARCHITECT	6/19/2020
SECTION 09 78 00	METAL DESIGNS AND LAMINATES	HMC ARCHITECT	6/19/2020
SECTION 09 90 00	PAINTING	HMC ARCHITECT	6/19/2020
SECTION 09 96 56	RESINOUS WALL COATING EPOXY	HMC ARCHITECT	6/19/2020
<b>DIV. 10</b>	<b>SPECIALTIES</b>		
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SECTION 10 11 23	TACKBOARDS	HMC ARCHITECT	6/19/2020
SECTION 10 11 26	TACKABLE WALL PANELS	HMC ARCHITECT	6/19/2020
SECTION 10 13 00	DIRECTORIES AND BULLETIN BOARDS	HMC ARCHITECT	6/19/2020
SECTION 10 14 00	IDENTIFICATION SIGNS	HMC ARCHITECT	6/19/2020
SECTION 10 14 19	DIMENSIONAL LETTERS	HMC ARCHITECT	6/19/2020
SECTION 10 14 23	SIGNS - RESTROOMS	HMC ARCHITECT	6/19/2020
SECTION 10 14 33	EXIT SIGNAGE	HMC ARCHITECT	6/19/2020
SECTION 10 14 53	PARKING AREA SIGNS	HMC ARCHITECT	6/19/2020
SECTION 10 14 54	EXTERIOR SIGNS	HMC ARCHITECT	6/19/2020
SECTION 10 21 00	TOILET COMPARTMENTS	HMC ARCHITECT	6/19/2020
SECTION 10 22 26	OPERABLE PARTITIONS GLASS WALL	HMC ARCHITECT	6/19/2020
SECTION 10 26 17	WALL PROTECTION	HMC ARCHITECT	6/19/2020

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SECTION 10 44 13	FIRE EXTINGUISHERS AND CABINETS	HMC ARCHITECT	6/19/2020
SECTION 10 56 26.10	MOBILE STORAGE SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 10 80 00	MISCELLANEOUS SPECIALTIES	HMC ARCHITECT	6/19/2020
SECTION 10 81 13	BIRD DETERRENCE SYSTEMS	HMC ARCHITECT	6/19/2020
<b>DIV. 11</b>	<b>EQUIPMENT</b>		
SECTION 11 24 23.10	WINDOW WASHING SYSTEM	HMC ARCHITECT	6/19/2020
SECTION 11 52 13	PROJECTION SCREENS	HMC ARCHITECT	6/19/2020
SECTION 11 52 14	PROJECTOR MOUNTS	HMC ARCHITECT	6/19/2020
SECTION 11 53 10	LABORATORY CASEWORK AND OTHER FURNISHINGS	HMC ARCHITECT	6/19/2020
SECTION 11 53 13	11 53 13 - FUME HOODS AND OTHER AIR CONTAINMENT UNITS	HMC ARCHITECT	6/19/2020
SECTION 11 53 43	LABORATORY SERVICE FITTINGS AND FIXTURES	HMC ARCHITECT	6/19/2020
SECTION 11 53 50	LABORATORY EQUIPMENT	HMC ARCHITECT	6/19/2020
<b>DIV. 12</b>	<b>FURNISHINGS</b>		
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SECTION 12 48 13	ENTRANCE MATS	HMC ARCHITECT	6/19/2020
SECTION 12 61 13	AUDITORIUM SEATING	HMC ARCHITECT	6/19/2020
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<b>DIV. 14</b>	<b>CONVEYING EQUIPMENT</b>		
SECTION 14 12 00	ELECTRIC DUMBWAITERS AND LIFTS	HMC ARCHITECT	6/19/2020
SECTION 14 21 23.16	MACHINE ROOM-LESS ELECTRIC TRACTION PASSENGER ELEVATORS	HMC ARCHITECT	6/19/2020
SECTION 14 24 00	HYDRAULIC PASSENGER ELEVATORS	HMC ARCHITECT	6/19/2020
SECTION 14 42 00	WHEELCHAIR LIFTS	HMC ARCHITECT	6/19/2020
<b>DIV. 21</b>	<b>FIRE SUPPRESSION</b>		
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SECTION 21 05 18	ESCUTCHEONS FOR FIRE-SUPPRESSION PIPING	HMC ARCHITECT	6/19/2020
SECTION 21 05 23	GENERAL-DUTY VALVES FOR FIRE PROTECTION PIPING	HMC ARCHITECT	6/19/2020
SECTION 21 05 48	VIBRATION AND SEISMIC CONTROLS FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 21 05 53	IDENTIFICATION FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 21 11 19	FIRE DEPARTMENT CONNECTIONS	HMC ARCHITECT	6/19/2020
SECTION 21 13 13	WET-PIPE SPRINKLER SYSTEM	HMC ARCHITECT	6/19/2020
<b>DIV. 22</b>	<b>PLUMBING</b>		
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SECTION 22 05 19	METERS AND GAGES FOR PLUMBING PIPING	HMC ARCHITECT	6/19/2020
SECTION 22 05 23.12	BALL VALVES FOR PLUMBING PIPING	HMC ARCHITECT	6/19/2020
SECTION 22 05 23.13	BUTTERFLY VALVES FOR PLUMBING PIPING	HMC ARCHITECT	6/19/2020
SECTION 22 05 23.14	CHECK VALVES FOR PLUMBING PIPING	HMC ARCHITECT	6/19/2020
SECTION 22 05 29	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 22 05 48	VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 22 05 53	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 22 07 19	PLUMBING PIPING INSULATION	HMC ARCHITECT	6/19/2020
SECTION 22 11 16	DOMESTIC WATER PIPING	HMC ARCHITECT	6/19/2020
SECTION 22 11 18	NATURAL-GAS PIPING	HMC ARCHITECT	6/19/2020
SECTION 22 11 19	DOMESTIC WATER PIPING SPECIALTIES	HMC ARCHITECT	6/19/2020
SECTION 22 11 23	DOMESTIC WATER PUMPS	HMC ARCHITECT	6/19/2020
SECTION 22 11 23.13	DOMESTIC-WATER PACKAGED BOOSTER PUMPS	HMC ARCHITECT	6/19/2020
SECTION 22 13 16	SANITARY WASTE AND VENT PIPING	HMC ARCHITECT	6/19/2020
SECTION 22 13 19	SANITARY WASTE PIPING SPECIALTIES	HMC ARCHITECT	6/19/2020
SECTION 22 14 13	FACILITY STORM DRAINAGE PIPING	HMC ARCHITECT	6/19/2020
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SECTION 22 20 00	LABORATORY PLUMBING	HMC ARCHITECT	6/19/2020
SECTION 22 31 00	DOMESTIC WATER SOFTENERS	HMC ARCHITECT	6/19/2020
SECTION 22 35 00	DOMESTIC WATER HEAT EXCHANGERS	HMC ARCHITECT	6/19/2020
SECTION 22 42 13.13	COMMERCIAL WATER CLOSETS	HMC ARCHITECT	6/19/2020
SECTION 22 42 13.16	COMMERCIAL URINALS	HMC ARCHITECT	6/19/2020
SECTION 22 42 16.13	COMMERCIAL LAVATORIES	HMC ARCHITECT	6/19/2020
SECTION 22 42 16.16	COMMERCIAL SINKS	HMC ARCHITECT	6/19/2020
SECTION 22 47 13	DRINKING FOUNTAINS	HMC ARCHITECT	6/19/2020
SECTION 22 47 16	PRESSURE WATER COOLERS	HMC ARCHITECT	6/19/2020

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SECTION 22 61 13	COMPRESSED-AIR PIPING FOR LABORATORY FACILITIES	HMC ARCHITECT	6/19/2020
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SECTION 22 62 13	VACUUM PIPING FOR LABORATORY FACILITIES	HMC ARCHITECT	6/19/2020
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SECTION 22 66 00	CHEMICAL-WASTE SYSTEMS FOR LABORATORY FACILITIES	HMC ARCHITECT	6/19/2020
SECTION 22 67 00	PROCESSED WATER SYSTEMS FOR LABORATORY FACILITIES	HMC ARCHITECT	6/19/2020
SECTION 22 67 19	PROCESSED WATER EQUIPMENT FOR LABORATORY AND HEALTHCARE FACILITIES	HMC ARCHITECT	6/19/2020
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SECTION 23 00 00	HVAC GENERAL REQUIREMENTS	HMC ARCHITECT	6/19/2020
SECTION 23 05 13	COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 23 05 16	EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING	HMC ARCHITECT	6/19/2020
SECTION 23 05 17	SLEEVES AND SLEEVE SEALS FOR HVAC PIPING	HMC ARCHITECT	6/19/2020
SECTION 23 05 19	METERS AND GAUGES FOR HVAC PIPING	HMC ARCHITECT	6/19/2020
SECTION 23 05 23	VALVES FOR HVAC PIPING	HMC ARCHITECT	6/19/2020
SECTION 23 05 29	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 23 05 48	VIBRATION AND SEISMIC CONTROLS FOR HVAC	HMC ARCHITECT	6/19/2020
SECTION 23 05 53	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	HMC ARCHITECT	6/19/2020
SECTION 23 05 93	TESTING, ADJUSTING, AND BALANCING FOR HVAC	HMC ARCHITECT	6/19/2020
SECTION 23 07 13	HVAC DUCT INSULATION	HMC ARCHITECT	6/19/2020
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SECTION 23 08 00	COMMISSIONING OF HVAC AND PLUMBING	HMC ARCHITECT	6/19/2020
SECTION 23 09 20	LABORATORY AIRFLOW CONTROL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 23 21 13	HYDRONIC PIPING	HMC ARCHITECT	6/19/2020
SECTION 23 21 13.13	UNDERGROUND HYDRONIC PIPING	HMC ARCHITECT	6/19/2020
SECTION 23 21 16	HYDRONIC PIPING SPECIALTIES	HMC ARCHITECT	6/19/2020
SECTION 23 21 23	HYDRONIC PUMPS	HMC ARCHITECT	6/19/2020
SECTION 23 23 00	REFRIGERANT PIPING	HMC ARCHITECT	6/19/2020
SECTION 23 25 00	HVAC WATER TREATMENT	HMC ARCHITECT	6/19/2020
SECTION 23 31 13	HVAC METAL DUCTS	HMC ARCHITECT	6/19/2020
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SECTION 23 34 16	CENTRIFUGAL HVAC FANS	HMC ARCHITECT	6/19/2020
SECTION 23 34 23	HVAC POWER VENTILATORS	HMC ARCHITECT	6/19/2020
SECTION 23 36 00	AIR TERMINAL UNITS	HMC ARCHITECT	6/19/2020
SECTION 23 37 13.13	AIR DIFFUSERS	HMC ARCHITECT	6/19/2020
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SECTION 23 52 16	CONDENSING BOILERS	HMC ARCHITECT	6/19/2020
SECTION 23 73 15	CUSTOM CENTRAL STATION AIR HANDLING UNITS	HMC ARCHITECT	6/19/2020
SECTION 23 81 19	VARIABLE REFRIGERANT FLOW (VRF) SYSTEMS	HMC ARCHITECT	6/19/2020
<b>DIV. 25</b>	<b>INTEGRATED AUTOMATION</b>		
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SECTION 25 30 00	BUILDING AUTOMATION SENSORS AND CONTROL DEVICES	HMC ARCHITECT	6/19/2020
SECTION 25 50 00	BUILDING AUTOMATION HARDWARE AND NETWORKING	HMC ARCHITECT	6/19/2020
SECTION 25 90 00	BUILDING AUTOMATION SEQUENCES OF OPERATIONS	HMC ARCHITECT	6/19/2020
<b>DIV. 26</b>	<b>ELECTRICAL</b>		
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SECTION 26 05 19	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES	HMC ARCHITECT	6/19/2020
SECTION 26 05 26	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 26 05 29	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 26 05 33	RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 26 05 43	UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 26 05 44	SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING	HMC ARCHITECT	6/19/2020
SECTION 26 05 48	SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 26 05 53	IDENTIFICATION FOR ELECTRICAL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 26 05 72	OVERCURRENT PROTECTIVE DEVICE SHORT-CIRCUIT STUDY	HMC ARCHITECT	6/19/2020
SECTION 26 05 73	OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY	HMC ARCHITECT	6/19/2020

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SECTION 26 08 00	COMMISSIONING OF ELECTRICAL SYSTEMS	HMC ARCHITECT	6/19/2020
SECTION 26 09 23	LIGHTING CONTROL DEVICES	HMC ARCHITECT	6/19/2020
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SECTION 26 12 19	PAD-MOUNTED, LIQUID-FILLED, MEDIUM-VOLTAGE TRANSFORMERS	HMC ARCHITECT	6/19/2020
SECTION 26 22 13	LOW-VOLTAGE DISTRIBUTION TRANSFORMERS	HMC ARCHITECT	6/19/2020
SECTION 26 24 13	SWITCHBOARDS	HMC ARCHITECT	6/19/2020
SECTION 26 24 16	PANELBOARDS	HMC ARCHITECT	6/19/2020
SECTION 26 27 13	ELECTRICITY METERING	HMC ARCHITECT	6/19/2020
SECTION 26 27 26	WIRING DEVICES	HMC ARCHITECT	6/19/2020
SECTION 26 28 13	FUSES	HMC ARCHITECT	6/19/2020
SECTION 26 28 16	ENCLOSED SWITCHES AND CIRCUIT BREAKERS	HMC ARCHITECT	6/19/2020
SECTION 26 29 13	MANUAL AND MAGNETIC MOTOR CONTROLLERS	HMC ARCHITECT	6/19/2020
SECTION 26 29 23	VARIABLE-FREQUENCY MOTOR CONTROLLERS	HMC ARCHITECT	6/19/2020
SECTION 26 32 13.13	DIESEL EMERGENCY ENGINE GENERATORS	HMC ARCHITECT	6/19/2020
SECTION 26 36 00	TRANSFER SWITCHES	HMC ARCHITECT	6/19/2020
SECTION 26 51 19	LED INTERIOR LIGHTING	HMC ARCHITECT	6/19/2020
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SECTION 26 60 00	LABORATORY ELECTRICAL REQUIREMENTS	HMC ARCHITECT	6/19/2020
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SECTION 27 05 00	COMMON WORKS FOR COMMUNICATIONS	HMC ARCHITECT	6/19/2020
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SECTION 27 05 33	CONDUIT BOXES COMMUNICATIONS	HMC ARCHITECT	6/19/2020
SECTION 27 11 00	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	HMC ARCHITECT	6/19/2020
SECTION 27 13 00	COMMUNICATIONS BACKBONE CABLING	HMC ARCHITECT	6/19/2020
SECTION 27 15 00	COMMUNICATIONS HORIZONTAL CABLING	HMC ARCHITECT	6/19/2020
SECTION 27 51 26	ASSISTIVE LISTENING (ALS)	HMC ARCHITECT	6/19/2020
<b>DIV. 28</b>	<b>ELECTRONIC SAFETY &amp; SECURITY</b>		
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SECTION 28 31 11	DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM	HMC ARCHITECT	6/19/2020
<b>DIV. 31</b>	<b>EARTHWORK</b>		
SECTION 31 10 00	SITE CLEARING	HMC ARCHITECT	6/19/2020
SECTION 31 22 00	GRADING	HMC ARCHITECT	6/19/2020
SECTION 31 23 13	EXCAVATION AND FILL	HMC ARCHITECT	6/19/2020
SECTION 31 23 16	EXCAVATION AND FILL FOR PAVING	HMC ARCHITECT	6/19/2020
SECTION 31 23 19	EXCAVATION AND FILL FOR STRUCTURES	HMC ARCHITECT	6/19/2020
SECTION 31 23 23	EXCAVATION AND FILL FOR UTILITIES	HMC ARCHITECT	6/19/2020
SECTION 31 23 26	BASE COURSE	HMC ARCHITECT	6/19/2020
SECTION 31 63 29	CAST-IN-PLACE DRILLED HOLE PILES	HMC ARCHITECT	6/19/2020
<b>DIV. 32</b>	<b>EXTERIOR IMPROVEMENTS</b>		
SECTION 32 01 17	ASPHALT PAVEMENT REPAIR	HMC ARCHITECT	6/19/2020
SECTION 32 12 16	ASPHALT PAVING	HMC ARCHITECT	6/19/2020
SECTION 32 12 36	SEAL FOR BITUMINOUS SURFACING	HMC ARCHITECT	6/19/2020
SECTION 32 13 13	SITE WORK CONCRETE	HMC ARCHITECT	6/19/2020
SECTION 32 31 13	FENCES AND GATES - PVC COATED	HMC ARCHITECT	6/19/2020
SECTION 32 31 19	FENCES AND GATES - ORNAMENTAL METAL	HMC ARCHITECT	6/19/2020
SECTION 32 84 26	RECLAIMED WATER IRRIGATION	HMC ARCHITECT	6/19/2020
SECTION 32 93 00	PLANTING	HMC ARCHITECT	6/19/2020
SECTION 32 96 00	TREE PROTECTION	HMC ARCHITECT	6/19/2020
<b>DIV. 33</b>	<b>UTILITIES</b>		
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SECTION 33 30 00	SITE SANITARY SEWER UTILITIES	HMC ARCHITECT	6/19/2020
SECTION 33 40 00	STORM DRAINAGE UTILITIES	HMC ARCHITECT	6/19/2020

**C. OTHER****I. REPORTS:**

<b><u>Number</u></b>	<b><u>Title</u></b>	<b><u>Prepared By:</u></b>	<b><u>Date</u></b>
n/a	GEOTECHNICAL AND GEOLOGICAL ENGINEERING INVESTIGATION REPORT (186 PAGES)	KOURY ENGINEERING & TESTING	10/18/2019
n/a	ADDENDUM REPORT - GEOTECHNICAL AND GEOLOGICAL ENGINEERING INVESTIGATION (43 PAGES)	KOURY ENGINEERING & TESTING	3/27/2020

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n/a	ADDENDUM NO. 1 - GEOTECHNICAL AND GEOLOGICAL ENGINEERING INVESTIGATION (8 PAGES)	KOURY ENGINEERING & TESTING	6/2/2020
n/a	ADDENDUM NO. 2 - GEOTECHNICAL AND GEOLOGICAL ENGINEERING INVESTIGATION (2 PAGES)	KOURY ENGINEERING & TESTING	6/2/2020
n/a	ADDENDUM NO. 3 - GEOTECHNICAL AND GEOLOGICAL ENGINEERING INVESTIGATION (2 PAGES)	KOURY ENGINEERING & TESTING	6/2/2020
n/a	ADDENDUM NO. 4 - GEOTECHNICAL AND GEOLOGICAL ENGINEERING INVESTIGATION (24 PAGES)	KOURY ENGINEERING & TESTING	7/6/2020
n/a	SANTA ANITA STORAGE BUILDING - HAZMAT REPORT	B2 ENVIRONMETAL	4/10/2020
n/a	ARROYO SECO BUILDING - HAZMAT REPORT	B2 ENVIRONMETAL	4/9/2020
n/a	SAN GABRIEL BUILDING - FIRST LEVEL - HAZMAT REPORT	B2 ENVIRONMETAL	4/9/2020
n/a	SAN GABRIEL BUILDING - SECOND LEVEL - HAZMAT REPORT	B2 ENVIRONMETAL	4/9/2020
n/a	SANTA BARBARA BUILDING - HAZMAT REPORT	B2 ENVIRONMETAL	4/9/2020

**II. EXISTING AS BUILT DOCUMENTS**

<b>Number</b>	<b>Title</b>	<b>Prepared By:</b>	<b>Date</b>
n/a	ATC - Pages from 57350 - Addition & Remodel of Technical Building T-1-11031992-AsBuilt		1991
n/a	Retaining Wall from A48401-Tennis Courts - Parking Lots Project - 03301987 - AsBuilt		1987
n/a	SG-Pages from 60562-Multiuse Laboratory Building - 06221994 - AsBuilt		1994-1995

\* EXHIBIT "H"

LIST OF BID DOCUMENTS \*

# 9. Exhibit “I” – RFI Log

05/05/21

EXHIBIT  
“I”

Request for Information										A/E/CM Response		
RFI #	Addendum #	Author	Bid Package	Trade	Dwg or Spec Reference	Question	RFI Submission Date	RFI Response Needed By	A/E/CM	Responder	Response	
1	Addendum 3	SZ	2	Plumbing/Misc. Metals	Keynote 1/P2.01, P2.02, P2.03 P2.04, & P.05	Keynote 1 calls for a 1/4" thick steel plate separation though the entire height of the plumbing chase. 1. Is this required? 2. If required, can another material be used? 3. If required, please provide structural details, connections and dimensions.	12/23/2020	1/11/2021	HMC	Thomas Ferrer	1. Best practices and experience from other project where health department had a comments to provide separation. 2. Should be solid material for the separation, so practically impossible to make cross-over domestic/ reclaim water. 3. Structural engineer to provide detail.	
2	Addendum 3	SZ	2	Roofing	16/A10.40 1/A1043	Drawings show contradicting roof details. 16/A10.40 shows a more complete system with a primary vapor barrier, a secondary 2" insulation (ice and water shield) and a third with the tiles. However 1/A1043 shows a primary vapor barrier and a second with tile. Please advise.	12/23/2020	1/11/2021	HMC	Thomas Ferrer	1/A10.43 is for a Clay Tile roof at the stand alone hydraulic elevator at the south of the project. Clay tile roof does not need insulation. 11/A10.40 is for the main building and is a proprietary system with metal roof. Two different system two different details.	
3	Addendum 1	SZ	1/2	Window Washing System	Spec 11 24 23.10	Spec sheet calls out for design, supply and installation of window rigging sleeves and accessories. 1. Please confirm that there are no window washing or roof davit requirements for the project. 2. If confirmed, please remove the relevant spec section from the documents. 3. Please comment on what the response will be to OSHA if this is challenged.	12/23/2020	1/11/2021	HMC	Thomas Ferrer	1. Confirmed there is no rigging sleeves window washing system, but roof davit is provided, See roof plan A4.11 2. Rigging sleeves spec section 11 24 23.10 removed from the documents. 3. Roof davits provided, see roof plan A4.11	
4	Addendum 1	David Smith - GB Cooke	1	Site Utilities	C4.01, note 34	On Sheet C4.01, Construction note 34 calls for a neutralizing tank and sampling basin per plumbing drawings. We plan to exclude this as we assume it will be covered by the plumbing subcontractor. Please clarify if this is covered under the site utilities scope or the plumbing scope. Please clarify who will be hauling spoils (site utilities sub or earthwork sub).	12/28/2020	12/29/2020	CM	Jess Matta	Correct the NT-1 neutralization tank and SB-1 sampling basin to be provided and installed by the plumbing subcontractor.	
5	Addendum 1	David Smith - GB Cooke	1	Site Utilities	N/A- Re: spoils hauling		12/28/2020	12/29/2020	CM	Jess Matta	Base bid should assume stockpiling of spoils on site for removal by earthwork subcontractor. Provide add alternate for spoils haul-off.	
6	Addendum 1	David Smith - GB Cooke	1	Site Utilities	N/A- Re: temp utilities	Please provide additional information regarding the temporary water and sewer hook-ups for the construction manager trailers so we can price accordingly. (i.e. approximate linear footages).	12/28/2020	12/29/2020	CM	Jess Matta	Subcontractors to exclude this from your bid. CM will carry an allowance for this separately.	
7	Addendum 3	JM	2	Plumbing	P0.02 Equipment schedules	Neutralization tank schedule appears to be mislabeled as "Pressure Reducing Valve Schedule." Please confirm that this is the case.	12/28/2020	1/11/2021	HMC	Thomas Ferrer	NT schedule title has been corrected.	
8	Addendum 3	JM	2	Plumbing	P0.02 Equipment schedules	Plumbing - Sampling Basin Schedule is duplicated on this sheet. Please confirm there is only one SB-1 - sampling basin in the project.	12/28/2020	1/11/2021	HMC	Thomas Ferrer	confirmed. Only one Sampling basin.	
9	Addendum 1	JM	1	Electrical / Misc. Metals	A2.21, 9/A10.93	In Lecture Hall SC-101 on level 1, there is a floor trench from North wall to the lecture / island casework. The detail callout 9/A10.93, shows a 10" x 10" 20 gauge steel liner embedded in the slab with an aluminum cover assembly and notes "basis of design per manufacturer". It seems this may be for power & data pathway to the lecture, but this is not identified on the electrical or telecom drawings. Please provide specification for this trench.	12/29/2020	1/11/2021	HMC	Thomas Ferrer	Trench cover specs see attached.	
10	Addendum 3	JM	2	Metal Roofing	Spec. section 07 32 19, Roof details A10.40	Spec. section 07 32 19 specifies metal tile roofing as Gerard Roofing Technologies or equal, while details on sheet A10.40 call out "Decra Villa Tile Panels". Please clarify which is the correct product.	12/29/2020	1/11/2021	HMC	Thomas Ferrer	Subcontractors to exclude this from your bid. CM will carry an allowance for this separately. Decra villa tile panels is the correct product. See attached	
11	Addendum 1	Nick Choy - CSI	1	Electrical	Audio-Visual Scope	Please confirm all Audio-Visual equipment, installation, and cabling is OFOI	12/30/2020	1/11/2021	CM	Jess Matta	Electrical subcontractor will be responsible for conduits/pathways, boxes, faceplates, and poke-thrus for the AV scope. Electrical subcontractor will also be responsible for display brackets, motorized screen housings, and projector mounts. All equipment, racks, speakers, displays, screens, projectors and cabling to be OFOI	
12	Addendum 1	Nick Choy - CSI	1	Electrical	Fire Alarm	The fire alarm scope is open to multiple manufacturers. This is a very rare occurrence for a college campus. Please confirm that it is in fact an open spec. or please confirm who the existing campus manufacturer is the NSB will need to tie into.	12/30/2020	1/11/2021	HMC	Thomas Ferrer	Simplex standard Fire Alarm manufacturer is Johnson Control/ Simplex.	
13	Addendum 1	Nick Choy - CSI	1	Electrical	Emergency Responder System	There are no emergency responder antenna system drawings or specifications. Please confirm this requirement will be by others.	12/30/2020	1/11/2021	GCC	John Leopardi	This scope of work will be contracted by the College as a separate scope of work. This work will be coordinated with the College Police, Glendale Fire and GCC ITS directly.	
14	Addendum 1	Nick Choy - CSI	1	Electrical	Access Control / CCTV	Please confirm access control and CCTV equipment and installation is OFOI.	12/30/2020	1/11/2021	CM	Jess Matta	Electrical subcontractor will be responsible for conduits, faceplates, boxes, and poke-thrus. All equipment and cabling to be OFOI.	
15	Addendum 1	Nick Choy - CSI	1	Electrical	Spec Section 26 05 19	26 05 19.2.03 references armored cable yet the execution section only refers to single conductors in raceways. Please confirm that MC cable is acceptable for use in concealed walls and ceiling spaces.	12/30/2020	1/11/2021	GCC	John Leopardi	Per our accepted VE items (5-12-20) MC Cable is acceptable for branch wiring at concealed locations inly - Homeruns still will be EMT. MC Cable is also acceptable at lab furniture.	
16	Addendum 1	Jeff M. - Morrow Meadows	1	Electrical	E1.20	For bid purposes, please provide distance from the New Science Building to existing SF-6 switch.	12/30/2020	1/11/2021	HMC	Thomas Ferrer	Exact routing and distance needs to be verified in the field. Per the Utility Site Survey made available to the design team the distance is 1250 ft	
17	Addendum 1	Jeff M. - Morrow Meadows	1	Electrical	E1.20	Confirm existing pathway from Vault #1 > SF-6 switch.	12/30/2020	1/11/2021	HMC	Thomas Ferrer	Install (2) 4" conduits encased in concrete if the existing pathway is less than 4".	
18	Addendum 1	Jeff M. - Morrow Meadows	1	Electrical	Spec Section 26 05 33	Is MC Cable allowed for lighting and device branch?	12/30/2020	1/11/2021	HMC	Thomas Ferrer	MC cable is acceptable.	
19	Addendum 1	Jeff M. - Morrow Meadows	1	Electrical	T0.01 & Spec Section 27 05 29	Please confirm that ceiling devices will utilize J-hook pathway (shown on page 2189 spec section 27 05 29) in lieu of full conduit system described on T0.01 symbol legend.	12/30/2020	1/11/2021	HMC	Thomas Ferrer	As noted on contract documents coverhseet (T0.01) conduits are required to stub-up 6" above accessible ceiling.	
20	Addendum 1	Jeff M. - Morrow Meadows	1	Electrical	E1.21 & E6.02	For bid purposes, please provide location of existing DHA distribution board in Camino Real Building, MSCU 1 to (E) DHA.	12/30/2020	1/11/2021	HMC	Thomas Ferrer	Please verify exact location in the field. Refer to attached As-built drawing for location of existing Distribution board DHA	
21	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please provide clarifications on top of wall elevations on shoring plans for walls to be installed using shotcrete.	12/30/2020	1/11/2021	HMC	Thomas Ferrer	Elevations are noted on civil sheets, Please go to Civil sheet C3.01 and C3.1 for grading plan, 3.1 to 3.2 for the wall profile and C2.1 for the location of wall profile.	
22	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please confirm project job hours for the weekdays and weekends. Confirm 7:00am start time for construction and hauling operations.	12/30/2020	1/11/2021	CM	Jess Matta	7:00am start time is confirmed. Refer to Attachment 3 - Supplemental Conditions for specific information on work hours and logistical requirements.	
23	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please clarify if AB-219 compliance is required for ready mix trucks and if LCP tracking is required.	12/30/2020	1/11/2021	CM	Jess Matta	Yes AB-219 is required.	
24	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please clarify which contractor is required to provide drainage and waterproofing for shoring walls.	12/30/2020	1/11/2021	CM	Jess Matta	Waterproofing to be provided as part of Bid Package 07 10 00 - Below Grade Waterproofing. Drainage to provided and installed as part of Bid Package 02500 - Site Utilities.	

25	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please confirm if any liquidated damages are to be imposed and clarify amount per day.	12/30/2020	1/11/2021	CM	Jess Matta	\$2,500 per calendar day.
26	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please clarify if streetlight poles are part of site clearing / demo scope.	12/30/2020	1/11/2021	CM	Jess Matta	Safe off removal and savage by electrical contractor. Demo of concrete bases by demo contractor.
27	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please confirm that abatement will be performed by others and not part of the site clearing / demo scope.	12/30/2020	1/11/2021	GCC	John Leopardi	The abatement scope of work will be contracted directly by the College as a separate scope of work.
28	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please provide as-built drawings for the existing retaining wall along Campus Way	12/30/2020	1/11/2021	GCC	John Leopardi	Gafcon has located electronic as-built drawings of the retaining wall at Lot F and will send DPR a link in order to download the files. Yes that is the intent. Please refer to Exhibit 10-Site Logistics.
29	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please confirm if any road closures along Verdugo Road have been approved or possible.	12/30/2020	1/11/2021	CM	Jess Matta	Disregard - This is being provided by the concrete subcontractor.
30	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please provide clarification on alternate for sacked finish, unit pricing and which walls to be added as alternates for supplemental finishes.	12/30/2020	1/11/2021	CM	Jess Matta	Disregard - This is being provided by the concrete subcontractor.
31	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please clarify scope of work on item 2.63 of 02250, "Patch and repair roads, curbs and adjacent materials back to its original state once this scope of work is complete." Provide clarification on location in regards to the site. Does this scope include public streets outside of Phase 1? Please clarify the repairs too.	12/30/2020		CM	Jess Matta	Bidders can disregard this note, as the intent is not to have the shoring/earthwork/demo subcontractors patch paving and hardscape. If the shoring/ earthwork/ demo subcontractors damage or remove anything that was not called to be demolished or noted as protect in place, they will be responsible for any costs associated with repairs or re-constructing those items.
32	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please confirm limits of scope for survey to be performed by others. Which perimeter grids to be established as baseline for other trades / scopes to utilize.	12/30/2020	1/11/2021	CM	Jess Matta	Refer to the Attachment 2 for Survey (01720) for description of what is being provided by Surveyor.
33	Addendum 1	Shoring Engineers	1	Shoring / Earthwork		Please provide clarification on item 2.62 regarding SWPPP plan submittal. Which items are required beyond the provided SWPPP / Erosion control plan provided by Civil?	12/30/2020	1/11/2021	CM	Jess Matta	See attached drawing. This is a revised drawing reflecting SWPPP. Install and maintain this system while onsite. This is for Phase 1 only.
34	Addendum 3	FF	2	Misc. Metals	A10.25, A10.26, A10.27	Metal Flashing (Painted in the file details do not call out gauge. Please advise.	1/4/2021		HMC	Thomas Ferrer	Refer to specs 07.62.00. Metal flashing min. 24 Gauge
35	Addendum 3	FF	2	Site Concrete	Spec 21 11 19	Spec calls for three bollards around the new FDC installed by site utility contractor. However Civil Drawings do not indicate these bollards. 1. Are these bollards required? 2. If so please issue sketch for location and coordination with other features.	1/4/2021		HMC	Thomas Ferrer	1. Bollards are not required.
36	Addendum 2	John G - Morrow Meadows	1	Electrical	E6.02	Please specify the KVA Size for the Pad mounted Campus transformer.	1/4/2021		HMC	Thomas Ferrer	The PV design and feeder sizing is not in IG scope.
37	Addendum 1	Jim M - Bigge	1	Hoist/Crane		We see the location of the TC and Hoist. I see the 213' of reach but not the size crane. Do you have a weight at 213' you need to lift? That would determine a 300, 400 or 500 crane.	1/4/2021		CM	Jess Matta	1. Load Capacity - Per Attachment 2, item 2.5 we asked for 13,000 lbs. 2. The Length of the reach needs to be such that it allows for rigging 13,000 lbs. in the lane on Verdugo closest to the curb.
38	Addendum 1	Jim M - Bigge	1	Hoist/Crane		Are we looking for a single or a dual man lift?	1/4/2021		CM	Jess Matta	Manlift should be a dual.
39	Addendum 2	Steve R - Rosendin	1	Electrical	E6.02	Please provide information for the PV feeder.	1/5/2021		HMC	Thomas Ferrer	The PV design and feeder sizing is not in IG scope.
40	Addendum 2	Steve R - Rosendin	1	Electrical	E6.02	Lab Panels appear to have 150 amp Main Circuit Breakers, but the feeder to each panel is shown as FA4200, a 200 amp feeder. Is this Correct?	1/5/2021		HMC	Thomas Ferrer	This is correct.
41	Addendum 2	Steve R - Rosendin	1	Electrical	E2.02	Fixture Type H2 is shown with 4 circuit identifications in COLLAB SC 200.7, all 4 circuits identical. In CORRIDOR-3 SC 243.3 the same type is shown with 2 different circuit identifications. Please clarify the control intent.	1/5/2021		HMC	Thomas Ferrer	In CORRIDOR-3 SC 243.3 the circuit for Fixture H2 is L1A-8b. Circuit L1A-8a is for fixture D2.
42	Addendum 3	DM	2	Misc. Metals	L1.31	Guardrail shown on top of concrete wall (W-1) outside of door 101A from Lecture Hall SC-101 does not have a callout tag. Please clarify if this is a guardrail (F-3) or a cable guardrail (F-4).	1/6/2021	2/12/2021	HMC	Thomas Ferrer	This guardrail is to be an F-3 guardrail.
43	Addendum 1	Jim M - Bigge	1	Hoist/Crane		When is the Crane/Hoist start date?	1/6/2021		CM	Jess Matta	Tower Crane : Approximate start date - December 2021 Hoist: Approximate start date - January 2022
44	Addendum 3	DM	2	Fireproofing	21/A10.12, note 4/A2.21 (typ)	Detail 21 on sheet A10.12 shows continuous fireproofing 12" extension from the rated floor at BRB frames. Note 4 on sheet A2.21 and many other sheets, states "at exposed locations-primary and secondary structural members shall be treated with intumescent paint to achieve a 2-hour rating". In an email from HMC to DPR dated 04/06/2020, it was stated that "the diagonals are being designed so they are not primary steel meaning intumescent is not required". Please clarify if the diagonal portion of the BRB frame above the continuous fireproofing is considered either a primary or secondary member and whether or not they require intumescent fireproofing.	1/8/2021	2/12/2021	HMC	Thomas Ferrer	Base and Top connection of BRBF system to floor/structure needs fireproofing at a minimum of 12" height, as indicated in 21/A10.12. Most of BRBF diagno run in between base and top gusset plates will not need fireproofing, but it does have a paint finish per drawings and specs.
45	Addendum 3	Site Concrete Subs/FF	2	Site Concrete	L1.01 and CD1.01	The construction plan contradicts the demolition plan in regard to the concrete curb being removed or replaced alone campus way.	1/14/2021	2/19/2021	DPR	Jess Matta	This curb is to be demolished.
46	Addendum 3	Plumbing Subs/FF	2	Plumbing	P1.20 and C4.01	Site Utility shows 4" DW however the Plumbing plans shows 3" CW Pipe connection. Please clarify if PRV/reducer is required at site utilities connection.	1/14/2021	2/12/2021	HMC	Thomas Ferrer	Utility have been revised to show 3" CW. PRV station has been provided in Mechanical room sc-105 at grids F/1.
47	Addendum 3	DM	2	Roofing/ Waterproofing	16/A10.25, A2.42 and 3/A6.21 Spec 09 06 00	Finish plan A2.42 shows the Outdoor Collaboration area (SC-240) labeled with an EF3 material finish tag. Spec 09 06 00 defines EF3 as epoxy flooring manufactured by Stonhard. Section 3/A6.21 applies detail 16/A10.25 to the Outdoor Collaboration area. Detail 16/A10.25 shows pavers and pedestals at the Outdoor Collaboration area. Please clarify what type of finish floor should be used at the Outdoor Collaboration area and if the 4" slab depression still applies.	1/14/2021	2/19/2021	HMC	Thomas Ferrer	Outdoor Collaboration SC-240 floor finish is EF3 (epoxy flooring per specs). 4" slab depression with topping slab still applies. Reference attached revision.  IPE wood tiles over pedestal system is only at Horticulture Lab SC-420
52	Addendum 3	SZ	2	Doors, Framing & Hardware / Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	In the door schedule the glass column shows CT for all doors. Please revise this column to show which doors have glazing.	1/20/2021	2/19/2021	HMC	Thomas Ferrer	Refer to updated Door Schedule
54	Addendum 3	ISEC - Dana B	2	Lab Casework & Equipment	Physics Lab SC-502, 507, 508	MT6DA Table has note at one table that States "2" OVERHANG AT ENDS OF TABLES FOR CLAMPING DEMO EQUIP. TYPE. - PROVIDE 56" LONG TABLE FRAMES. Please confirm rooms that have these table types but DO NOT include the above note, are to have standard overhand.	1/25/2021	2/12/2021	HMC	Thomas Ferrer	RFD (2-9-21): Provide 2" overhang only at noted rooms.
55	Addendum 3	ISEC - Dana B	2	Lab Casework & Equipment		Lab Tech Room SC-108A and Lab Support SC-108 appear to have a countertop located below the window wall that are not tagged out. Are these epoxy resin countertops?	1/25/2021	2/12/2021	HMC	Thomas Ferrer	Refer to detail 21/A10.12 for locations with exposed BRBFs
56	Addendum 3	DM	1/2	Flooring/Concrete	A2.41 - A2.45	At stair #1, the floor finish plans specify CF1 floor finish at level 01 and CONC1 floor finish at Levels 02-05. Please confirm floor finish CF1 is to be used at level 01 and CONC1 is to be used at Levels 02-05 of stair #1. If the floor finishes are to be installed as currently shown, please provide transition point of CF1 to CONC1 within Stair #1.	1/25/2021	2/19/2021	HMC	Thomas Ferrer	CF1 is correct finish for all levels. Finish Plans will be updated for Addendum 1
57	Addendum 3	MH	2	Ceramic Tile	090600-6, A2.41-A2.45	CTB1 is called out in all CUST rooms. However, specs section 090600-6 notes "CTB1 - Not Used". Please provide specifications for CTB1 or clarify if this should be CTB2?	1/26/2021	2/19/2021	HMC	Thomas Ferrer	CTB2 for all "CUST." rooms. Finish Plans to be updated for Addendum 1

58	Addendum 3	DM	2	Terrazzo/Epoxy Flooring	Finish Plans A2.41 - A2.45 Spec 090600-11	Finish Plan A2.41 specifies Terrazzo Flooring TT1 & TT2 at the corridors on level 01. Finish Plans A2.42-A2.45 specify EF1 & EF2 at the corridors on levels 02-05, use the same hatch pattern as level 01 and the legends state "EF1/EF2 - Terrazzo Flooring refer to 09 06 00" and "EF2 - Terrazzo Flooring refer to 09 06 00". Spec section 09 06 00 calls EF1 & EF2 epoxy flooring as opposed to Terrazzo flooring as the finish plans do. Please confirm Terrazzo Flooring (TT1/TT2) is to be placed as shown on A2.41 and Epoxy Flooring (EF1/EF2) is to be placed as shown on A2.42-A2.45.	1/26/2021	2/19/2021	HMC	Thomas Ferrer	Confirmed: TT1/TT2 is for Level 01 EF1/EF2 is for Levels 02-05  Legend on finish plans will be updated for Addendum 1
59	Addendum 4	Control AC - Ahmad A	1	Plumbing		There are irrigation lines on the plumbing sheets which go up the building to the locations where planters are. Are those lines to be covered by plumbing? Also the site drawings state "continued on Landscaping drawings." Is the irrigation on the landscaping drawings to be picked up by plumbing as well?	1/27/2021		CM	Jess Matta	•The landscaper will run all his lines for irrigation (reclaimed water). •The plumber will pick up the stub outside the building. •The plumber will take the ¾ inch line and take it up the building to the fourth floor. •The landscaper will pick up the line on the fourth floor. •We should have two shut off valves one on the ground level and one on the fourth floor.
60	Addendum 3	SZ	2	Mobile Storage System	LF101.1	Please provide elevation/section details for the mobile storage system	1/27/2021	2/12/2021	HMC	Thomas Ferrer	RFD (2-9-21): Contractor to clarify "Mobile storage system" as no such language exists on the laboratory furnishings drawings. If the contractor is referring to the high density storage system, that is within the architects scope.
61	Addendum 3	Sherrin Glass and Metal - Paul S	2	Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Per door schedule, aluminum Doors #100A & #100B are 20 min. Fire Rated inside non-rated aluminum curtain wall C1. Clarify if doors shall be non-rated.	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Per CBC 708A - Unless Noted Otherwise, all exterior doors must be a minimum of 20 Min FireRated per door schedule and all exterior glazing must be a dual glazed system (with a minimum of 1 pane to be tempered) -this would satisfy 20 min fire rating requirement for the rest of the system.
62	Addendum 3	Sherrin Glass and Metal - Paul S	2	Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Per door schedule, aluminum Doors #102A & #102B are 20 min. Fire Rated inside non-rated aluminum storefront S6. Clarify if doors shall be non rated.	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Per CBC 708A - Unless Noted Otherwise, all exterior doors must be a minimum of 20 Min FireRated per door schedule and all exterior glazing must be a dual glazed system (with a minimum of 1 pane to be tempered) -this would satisfy 20 min fire rating requirement for the rest of the system.
63	Addendum 3	Sherrin Glass and Metal - Paul S	2	Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Per door schedule, Door #240 is 20 min. Fire Rated Hollow Metal Door inside non-rated aluminum curtain wall C5. Clarify if door is fire rated HM or shall be non-rated Alum.	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Per CBC 708A - Unless Noted Otherwise, all exterior doors must be a minimum of 20 Min FireRated per door schedule and all exterior glazing must be a dual glazed system (with a minimum of 1 pane to be tempered) -this would satisfy 20 min fire rating requirement for the rest of the system.
64	Addendum 3	Sherrin Glass and Metal - Paul S	2	Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Per door schedule, Doors #101A & #101B are 20 min. Fire Rated Hollow Metal Door inside non-rated aluminum storefront S3. Clarify if doors are fire rated HM or shall be non-rated Alum.	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Per CBC 708A - Unless Noted Otherwise, all exterior doors must be a minimum of 20 Min FireRated per door schedule and all exterior glazing must be a dual glazed system (with a minimum of 1 pane to be tempered) -this would satisfy 20 min fire rating requirement for the rest of the system.
65	Addendum 3	Sherrin Glass and Metal - Paul S	2	Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Per door schedule, Aluminum Doors #ST-3-2 ; #ST-3-3 ; #ST-3-4 & #ST-3-5 are 90 min. rated inside aluminum frame S9. Clarify window S9 is not aluminum.	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Exterior Window System "S9" is a rated system (basis of design: SuperLite II XL) per Spec 08 43 25
66	Addendum 3	Sherrin Glass and Metal - Paul S	2	Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Per door schedule, Door #300A is 90 min. rated Hollow Metal door inside aluminum frame S10. Clarify if window S10 is not aluminum	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Storefront schedule to be updated for Addendum 1 Exterior Window System "S9" is a rated system (basis of design: SuperLite II XL) per Spec 08 43 25
67	Addendum 3	Sherrin Glass and Metal - Paul S	2	Interior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Interior windows #IG-4 ; #IG-5 ; #IG-6 & #IG-7 called for fire rated head & wall jamb details 6 , 7 & 8 /A10.21 but non-rated sill detail 10/A10.21. Clarify if windows are fire rated.	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Storefront schedule to be updated for Addendum 1 Interior windows in question are not fire rated - Aluminum storefront system should meet basis of design Arcadia System AF450+ (non-thermal). Spec to be updated for Addendum 1
68	Addendum 3	G&G Door - Matt R	2	Doors, Framing & Hardware	Door Schedule - A9.11, A9.12, A9.13	There is conflicting information in the Door Schedule for Architectural Pages. There are "Code Abbreviations" in the Column for Frame Material that conflicts with information published in the: The Frame Detail Columns as "Head-Jamb 1 - Jamb 2". Example: Frame Material code is "AL" & the Frame Detail Column Reads: 6/A10.20. Please let us know which information is correct.	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Refer to updated door schedule for clarification
69	Addendum 3	Giroux Glass - James B	2	Interior Glass and Glazing	A9.25	There is no reference for interior window. There is an interior window schedule, but no labels on the Floor Plan or Elevation on Page A9.25. Can you please advise?"	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Interior Glazing is tagged on floor plans A2.21-A2.25. Exterior glazing is tagged on exterior elevations A5.11-A5.14. See G0.12 for symbols
70	Addendum 3	Giroux Glass - James B	2	Exterior Glass and Glazing	4,6, 17/A9.25	Details 4, 6, 17/A9.25 show storefront doors but none are referenced in the Door Schedule. Can you please advise?"	2/2/2021	2/12/2021	HMC	Thomas Ferrer	Please clarify, detail 4/A9.25 doesnt show a door, and detail 17/A9.25 doesnt exist.  But for reference, all door are tagged on floor plans A2.21-A2.25. Door schedule is on A9.11-A9.13 Please clarify detail reference. Sheet A9.25 is a schedule for Exterior Storefront Systems
71	Addendum 3	Giroux Glass - James B	2	Interior Glass and Glazing	A9.25	The interior detail shows ¼" glass, but note calls for ½" glass on Page A9.25. Can you please advise?"	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Door Hardware Group found as "Sets" in Specs 08 71 00
72	Addendum 3	Giroux Glass - James B	2	Glass and Glazing / Door, Framing & Hardware	Door Schedule - A9.11, A9.12, A9.13	We are missing the Door Hardware Group. None found in the Door Schedule, Pages A9.11, A9.12, A9.13. When can we expect these?"	2/2/2021	2/12/2021	HMC	Thomas Ferrer	Window Type 1A has been removed from project, drawing will be updated for Addendum 1
73	Addendum 3	Giroux Glass - James B	2	Interior Glass and Glazing	A9.21	We can't locate Window Type 1A from the Interior Elevations, Page A9.21. Please advise?"	2/2/2021	2/19/2021	HMC	Thomas Ferrer	Please clarify, S7 tag is not found on A5.12 and sheet A9.24 is for a curtainwall "CW" schedule not storefront
74	Addendum 3	Giroux Glass - James B	2	Exterior Glass and Glazing	A9.21	Window type 8 shows louver, shown on Plan Page A9.21, but we found no louver Specification. Please advise?"	2/2/2021	2/12/2021	HMC	Thomas Ferrer	Please clarify, S8 tag is not found on A5.14 and sheet A9.24 is a curtainwall "CW" schedule not storefront
75	Addendum 3	Giroux Glass - James B	2	Exterior Glass and Glazing	A5.12 / A9.24	Detail/Elevation on Page A5.12 calls for S7 at 1st Floor but this does not match Storefront Schedule shown on Page A9.24. We are presuming this to be a Storefront Type S6. Please advise.	2/2/2021	2/12/2021	HMC	Thomas Ferrer	An interior glazing system that includes a rated door must follow rated system requirements: basis of design - SuperLite II XL per Spec 08 43 25
76	Addendum 3	Giroux Glass - James B	2	Exterior Glass and Glazing	2/A5.14	Detail 2 on Page A5.14 1st floor calls for S8 but does not match Storefront Schedule shown on Page A9.24. We are presuming this to be a Storefront Type S7 instead. Please advise	2/2/2021	2/12/2021	HMC	Thomas Ferrer	
77	Addendum 3	Giroux Glass - James B	2	Interior Glass and Glazing		On all the Interior Elevations - some are called for Aluminum Storefront in a Fire Rated wall per Door Schedule. How do you want us to treat these?"	2/2/2021	2/19/2021	HMC	Thomas Ferrer	

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78	Addendum 3	Advanced Fire Protection - Mark F	2	Fire Protection		Will fire sprinkler system files from the consultant be available to the awarded fire sprinkler contractor? If so what would the format be? 3D model Hydraulic Calcs	2/2/2021	2/12/2021	HMC	Thomas Ferrer	Fire protection files to be provided in Revit for the automatic fire sprinkler system design and in Autocad for project installation details and Site Hydraulic Reference Plan.
79	Addendum 3	Woodbridge Glass - Emily D	2	Exterior Glass and Glazing	A9.23	Note 3 calls out for all exterior doors to be 20min rated. Please confirm if all exterior doors are to be fire rated. If so, where does the fire rating start and stop? How is the connection point maintained between the two assemblies? Please provide detail. How will the two systems fasten to maintain UL compliance (requiring installation into an isolated rated opening)?	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Per CBC 708A - Unless Noted Otherwise, all exterior doors must be a minimum of 20 Min FireRated per door schedule and all exterior glazing must be a dual glazed system (with a minimum of 1 pane to be tempered) -this would satisfy 20 min fire rating requirement for the rest of the system.
80	Addendum 3	Woodbridge Glass - Emily D	2	Interior/Exterior Glass and Glazing	Spec 08 80 00 - Glazing	On the window elevations, it calls out for a "Custom Frit" but there is no glass call out or make-up in the 08 80 00 specifications that list a "Custom Frit". Please provide glass make-up and custom frit pattern.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Custom frit has been established as white silkscreen 1/8" dots (40% coverage) as part of IGU. Spec section 08 80 00 to be updated for Addendum 1
81	Addendum 3	Woodbridge Glass - Emily D	2	Interior/Exterior Glass and Glazing		On the window elevations, it calls out for a "Custom Film", but it does not define which film type is adhered to the glass. Please define which film type goes in which location.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Please clarify detail or sheet in question.  "Custom Film" for Exterior Glazing on A9.21, A9.23, A9.24, A9.25 per Spec Section 08 87 00 Solar Control Window Film  "Custom Film" for Interior Glazing on A9.26, A9.27 per Spec Section 08 87 33
82	Addendum 3	Woodbridge Glass - Stewart A	2	Exterior Glass and Glazing	2/A5.13	At 5th floor, 3 windows are without window tags. Please identify the window type and tag at this location.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Window type for these three windows in question is Type 2A.
83	Addendum 3	Woodbridge Glass - Stewart A	2	Interior Glass and Glazing		Interior window IG-18 cannot be found in the floor plans. Please confirm if this is to be deleted or identify the window type and correct tag to be used at this location.	2/3/2021	2/19/2021	HMC	Thomas Ferrer	IG-18 is the interior storefront system that encloses rooms SC-220 & SC-222 on floor 2 and SC-320 & SC-322 on floor 3  IG-15 encloses rooms SC-234 & SC-235 on floor 2 and rooms SC-337 & SC-336 on floor 3
84	Addendum 3	Woodbridge Glass - Stewart A	2	Interior Glass and Glazing	A2.23	Interior window with Door at ST-1, 3rd floor, labeled as IG-14. Should this be labeled as IG-19 due to fire rating? Please confirm correct window tag.	2/3/2021	2/19/2021	HMC	Thomas Ferrer	Tags to be updated for Addendum 1 Confirmed, correct window type should be IG-19. Drawing will be updated for Addendum 1
85	Addendum 3	Woodbridge Glass - Stewart A	2	Exterior Glass and Glazing	Spec 08 44 14 - Glazed Aluminum Curtainwall	The Specifications calls out for OPG1900, 2" 1/4 x 7" at the CW locations, but C1, C2, C3 & C4, exceeds the structural performance of this curtain wall due to the 10' height. Please confirm at the above locations the OPG3000 series, 2" 1/4 x 10", can be used to meet all structural and performance requirements.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Glazing systems over 10ft ht are deferred approvals. However, basis of Design of T500 OPG1900 to remain.
86	Addendum 3	Woodbridge Glass - Emily D	2	Interior Glass and Glazing	08 43 25 - Fire Rated Glazing Systems	Substation request for TGP Glazing System in lieu of SAFTI.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Any substitution must meet requirements outlined in project specifications
87	Addendum 3	Sherin Glass and Metal - Paul S	2	Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Per door schedule, Door #420A is 20 minute Fire Rated Hollow Metal Door inside a non-rated aluminum storefront SS. Clarify if door is fire rated HM or shall be non-rated ALUM	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Per CBC 708A - Unless Noted Otherwise, all exterior doors must be a minimum of 20 Min FireRated per door schedule and all exterior glazing must be a dual glazed system (with a minimum of 1 pane to be tempered) -this would satisfy 20 min fire rating requirement for the rest of the system.
88	Addendum 3	Woodbridge Glass - Emily D	2	Interior/Exterior Glass and Glazing	Spec 08 41 13 - Aluminum Entrances and Storefronts. Part 2.03 Specified Frames: - TC470 series, Non-Thermal, 2" 1/4 x 4" 1/2 for 1/4" glazing - TC670 series, Thermal-Broken, 2" 1/4 x 6" for 1" Glazing. Please note both these framing systems are Offset Glazed System.	1. Please clarify if INTERIOR non-rated window frame is center glazed (see page A10.20) or offset glazed (see page A10.21)  2. Please clarify if TC670, thermally-broken for 1" glass is for EXTERIOR storefronts while TC470, non-thermal for 1/4" glass is for INTERIOR storefronts? Arcadia suggests to use Arcadia AF450+ series, non-thermal, 2" x 4" 1/2 offset glazed for 1/4" glass or 1/2" instead of TC470. Or the AR450+ series center glazed for 1/2" glazing.  3. For those exterior non-rated windows with heights up to 8'-4" (Types 2A, 2B, 2C, 4A, 4B, 5, 6, 7A, 7D) we can use TC470 for 1" glass and should be thermally-broken while those windows with heights 10'-0 up to 12'-0" (Types 1A, 1B, 3, S1, S2, S3, S4, S5, S6, S8) shall be TC670. Please confirm which systems to be used at these locations.  4. Please confirm the interior glazing type and make up as it is not identified in the 08 80 00 specifications.  5. Please identify which interior glass type to be used at which locations within which systems.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	All interior storefront systems will be updated to be AF450+ (Non-Thermal) with 1/2" glass. Unless Noted Otherwise  Exterior Window and Storefront systems will be updated to be AFG601T (Thermally-broken), Unless Noted Otherwise  Exterior Curtain wall systems are deferred approvals, but the basis of design to be OPG1900, Unless Noted Otherwise  All exterior windows, storefronts, and curtain walls to be dual glazed with a minimum of one tempered pane to achieve a 20 Minute Minimum Fire Rating - Unless Noted Otherwise  See window schedules for additional fire rating requirements.  Specifications will be updated for Addendum 1
89	Addendum 3	Saxton Bradley - Kim F	2	Lab Casework & Equipment	FFE Procurement Matrix - CFCI Items	Please provide detailed specifications or product sheets for these items: 1. CO2 Gas Cylinders 2. Microscope 3. Dry Ice Bin 4. Benchtop NMR 5. 6' Biosafety Cabinets 6. Water Polisher	2/3/2021	2/12/2021	HMC	Thomas Ferrer	RFD (2-9-21). These items are noted as OFOI on the Laboratory Furnishings drawings and are not within the division 11 scope of work.
90	Addendum 3	FF	2	Roofing	3/A6.21 3/A10.17 2/A10.40 16/A10.25	The enlarged sections call out for three different details/finishes at the second-floor collaboration area. One calls out for concrete; one calls out for built up roofing and one calls out for roofing and pavers on pedestals. Please clarify.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	See revised section for appropriate details Outdoor Collaboration SC-240 to have "EF3" Finish per Finish Plan A2.42
91	Addendum 3	ISEC - Dana B	2	Lab Casework & Equipment		Per job walk, project is under DSA jurisdiction. Per Scope of Work inclusions 2.1 DSA inspection will be completed. Please provide detail of DSA Attachment required for the Lab Casework as none were provided in the set and level of anchorage is typically job specific.	2/3/2021	2/12/2021	HMC	Thomas Ferrer	RFD (2-9-21): See DSA BACKCHECK drawings dated 01/27/2021.
92	Addendum 3	ISEC - Dana B	2	Lab Casework & Equipment	09 06 00 - Schedules For Finishes 11 53 10 - Laboratory Casework and Other	Spec 09 06 00 calls for ER1 - Solid Polymer: Manufacturer: Kauwanea Scientific Corporation, Kemresin, DARK KHAKI at Science Classroom Countertops. Spec 11 53 10 calls for Epoxy Resin in BLACK. What color should be provided?	2/3/2021	2/12/2021	HMC	Thomas Ferrer	Color to be Dark Khaki by MFR: Durcon Specs to be revised for Addendum 1

93	Addendum 3	Saxton Bradley - Kim F	2	Lab Casework & Equipment	11 53 10 30 - Laboratory Casework and Other Furnishings. Section: 2.03 A & B, 2.18 B	Per the specifications, Mott Manufacturing is an approved manufacturer for laboratory casework. There are some "subsections" of laboratory casework, like those listed below that Mott can manufacture (see attached). Using Mott will provide cost savings to the end user.	2/4/2021	2/12/2021	HMC	Thomas Ferrer	RFD (2-9-21): Refer to 11 53 10 part 1.05.E for substitution request requirements.
94	Addendum 3	Saxton Bradley - Kim F	2	Lab Casework & Equipment	LF102.1, LF102.2, LF103.1, LF103.2 Rooms: SC-227, SC-223, SC-221, SC-203, SC-201, SC-202, SC-329, SC-327, SC-325, SC-303, SC-301, SC-302	There is a note that reads "All cabinets this room lockable and keyed same as all Gen. Bio, Microbio, Anatomy, and Biotech." Is the intent in the rooms that contain this note are to have all cabinets and drawers are to have locks? Or is the intent for all cabinet noted to have locks with " * " to be keyed the same? Please clarify.	2/4/2021	2/12/2021	HMC	Thomas Ferrer	RFD (2-9-21): All cabinets and all drawers in noted spaces to have locks.
95	Addendum 3	Saxton Bradley - Kim F	2	Lab Casework & Equipment	LF101.1 and LF102.2 Rooms: SC-108 Lab Support and SC-209 Preserved Specimen	There is mention of "high density steel shelving by div. 10." The shelving in SC-209 has been denoted as (4818) while SC-108 does not. This makes it confusing if this is to be in our scope. Please confirm if these are to be included.	2/4/2021	2/12/2021	HMC	Thomas Ferrer	High Density Shelving to be included and located per architectural floor plans.
96	Addendum 3	Saxton Bradley - Kim F	2	Lab Casework & Equipment	11 53 10 - Section 1.06 Mockup	In the 11 53 10 specification section, 1.06 Mockup - A. says to "provide and completely install products within this scope of work as part of the laboratory mockup, as indicated on the drawings." In Attachment 2 there is no mention of mockup nor does it seem to appear on the floor plans. Is a mockup required? If yes, please clarify location for mockup.	2/4/2021	2/12/2021	HMC	Thomas Ferrer	RFD (2-9-21): A mock-up will be required. An ASI will be issued to clarify the scope.
97	Addendum 3	Pierre Landscape	2	Landscaping & Irrigation		Please confirm that there is a Skilled and Trained Workforce requirement per - Public Contract Code 2.9 sections 2600 – 2603 on this Project? As this raises the Landscape Trade Wage Rate significantly	2/4/2021	2/19/2021	CM	Jess Matta	Yes, there is a skilled and trained workforce requirement.
98	Addendum 5	DPR - MH	2	Window Treatments	A3.11, A3.21, A3.31, A3.41 & A3.51	Keynotes 08.27 (single shade), 08.28 (dual shade) & 08.29 (dual shade with track) are noted to be installed in the room it is called out for, unless noted otherwise. However, the type of shades and details on the ceiling plan conflict each other. To assist in quantifying the type of shades needed for each room, please provide a list which showing the room number and type of shade to be installed. See attached floor plan identifying the various questions.	2/5/2021	2/26/2021	HMC	Thomas Ferrer	See Response in pdf markup.
99	Addendum 3	Martin Bros - Eddie Y	2	Lath and Plaster	18/A10.16	Not calls for Plaster Assembly behind Insulated Metal Panels; Please confirm Plaster Assembly is not required behind Metal Panel systems.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Plaster assembly behind metal panel is not required. Detail will be revised for Addendum 1
100	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 31 13, 2.04 D	Specification calls for an antimicrobial coating on ductwork. Please specify where this is required or if it is required on all ductwork on the project.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Antimicrobial Coating does not require on duct, we just need were we have duct liner.
101	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 31 13, 3.06A (9 and 10)	Specification calls for duct liner to be installed with perforated sheet metal liner on the inside of the duct with a thickness that matches the outer duct. Is this "double walled" condition required in all locations where liner is specified? If not, where is this type of duct construction required?	2/5/2021	2/12/2021	HMC	Thomas Ferrer	per metal on internal liner will not require and will remove from spec.
102	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 31 13, 3.11	Specification states that all new duct systems need to be cleaned before TAB. This represents a significant effort/cost and will require numerous access doors for the duct systems. Please confirm building the duct systems clean and keeping them covered during construction is an acceptable alternative to cleaning duct systems per 233113, 3.11.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	we do not need to clean the duct, we will take that out as long as contractor keep the ends covered. We will remove that section from the Specification.
103	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 31 13, 3.12B	Specification states that duct systems below 3" pressure class be pressure tested. SMACNA "HVAC Air Duct Leakage Test Manual" does not recommend pressure testing duct systems below 3". Please confirm pressure testing can be performed per SMACNA's "HVAC Air Duct Leakage Test Manual."	2/5/2021	2/12/2021	HMC	Thomas Ferrer	that is not what SMACNA says its not that it is not recommended, our spec says in excess of 3", so below 3" does not require test.
104	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 05 29, 3.01F	Specification calls for roller hangers where "horizontal movement caused by expansion and contraction might occur." Please specify where roller hangers are required (if at all).	2/5/2021	2/12/2021	HMC	Thomas Ferrer	spring hangers locations are detailed in the table in the vibration isolation spec or should be its usually like 40 feet from the meachnial room. Refer to specification section 23 05 48 for submittal require for the project.
105	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 05 29, 3.01K	Specification calls for spring hangers on piping. Please specify where spring hangers are required for piping (if at all).	2/5/2021	2/12/2021	HMC	Thomas Ferrer	spring hangers locations are detailed in the table in the vibration isolation spec or should be its usually like 40 feet from the meachnial room. Refer to specification section 23 05 48 for submittal require for the project.
106	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 07 19, 3.05D	Specification calls for removable insulation covers. Please specify where these are required (if at all).	2/5/2021	2/12/2021	HMC	Thomas Ferrer	No need for for removable insulation for this project. That section will remove from specification.
107	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 21 13, 2.03A	Specification calls for black steel piping to be seamless. Please confirm this is required on the project and that ERW piping cannot be used.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	No ERW pipe we want to use for the project.
108	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 21 13, 3.02N	Specification calls for piping to be installed at a uniform grade of 0.2% slope. This will have a significant impact on coordination. Please confirm if this is required on the project.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	yes, we need to slope the pipe to allow for drain. why is that slope a coordiantion issue its a 1" drop every 500 feet. The longest run is maybe 200 feet if that its a drop of less than 0.5" if we are that tight we will have a lot more problems that getting pipes to drain.
109	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 05 23	The ball and butterfly valves called for in specification are significantly more expensive than industry standard valves for a building of this type. Please confirm the valves listed in 23 05 23 are required for this project.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	There is nothing out of the ordinary for butterfly valves. Using 2-piece ball valves in lieu of 3 piece ball valves is acceptable.
110	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 23 00, 3.03N	Specification calls for refrigerant piping to be installed in rigid conduit where exposed to damage. Please clarify where this requirement is applicable.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	On attic space and wherever the refrigerant pipes are installed on the ground consider as exposed to damage. It is contractor's responsibility to locate those situations based on the pipe installations.
111	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 23 00, 3.03O	Specification calls for refrigerant piping to be sloped. Please confirm refrigerant piping can be installed/sloped per equipment manufacturer's recommendations in lieu of specified sloping requirements.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Confirmed.
112	Addendum 3	ACCO - Richard R	2	HVAC	Spec: 23 73 15, 2.02	Specification does not include Energy Labs as a manufacturer. Assuming they can comply with all of the requirements for the project, is Energy Labs an acceptable manufacturer on this project? It is our understanding that Energy Labs units are installed on numerous buildings on this campus.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Please refer to specification section 23 00 00 and follow as substitution requirement for submission.
113	Addendum 3	ACCO - Richard R	2	HVAC	3/M6.11 Note 1	Note 1 calls for condensate pans for hot water coils associated with air terminal units. This note also calls for the plumbing contractor to provide drains for these pans to indirect waste. This is a significant scope of work (cost and coordination). Please clarify if the pans called for in this detail are required for the project.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Please see latest mechanical drawings. Condensate pans are not require for HHW coils.

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114	Addendum 3	ACCO - Richard R	2	HVAC		Limited information is given about the chilled water supply and return connection on level 1 to the campus chilled water system.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	The chilled water connection to the future chilled water pipe shall be found in civil drawings. Coordinate with Civil EOR and architect for connection details.
115	Addendum 3	ACCO - Richard R	2	HVAC	M2.05	Ductwork serving EVAV 507 does not appear complete on sheet M2.05. Please provide an updated duct layout for this zone.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Exhaust shall be through air plenum
116	Addendum 3	Bapko - Victor C	2	Misc. Metals	A7.23 A10.53	It does not appear that the bent aluminum guardrail panels on Stair #3 can be installed on the posts as detailed, due to the fact that there are bends on all 4 edges of the panels (See details on A10.53). Can an alternate detail be provided?	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Please clarify installation concern, bent edges dont have additional returns.
117	Addendum 3	Bapko - Victor C	2	Misc. Metals	6/A7.22 12/A10.53 Spec: 05 73 10 , 2.03 E	The Glass rail at the First Floor is shown with a square roll formed top rail per Detail 12/A10.53, and as per Spec 05 73 10-2 2.03 E. However all other floors in Section 6/A7.22 seem to show a round top handrail. If the Second through Fifth Floors are to have a round top handrail, please specify its material, size and finish.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	12/A10.53 is the correct detail for all glass rails on all floors.
118	Addendum 3	Bapko - Victor C	2	Misc. Metals	B/L1.31 L1.52	A rail seems to be shown on top of the L-shaped wall adjacent to the northernmost 6 riser stair in Plan B / L1.31, but there is no callout for the rail type. Please establish the rail detail on L1.52 that applies to this rail, if any.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Rail type is F-3 per detail F/L1.52.
119	Addendum 3	Bapko - Victor C	2	Misc. Metals	L1.01 A1.20 1&2/SS2.0 1/SS5.0 2/A6.13 1 & 2/A6.23	A rail seems to be shown on top of the shoring wall (approximately 6'-0" north of the building) on Dwg L1.01 & A1.20 as well as on Details 1 & 2/SS2.0 & 1/SS5.0. However, there is no callout for the rail type on any of those drawings, and no rail shown in Section 2/A6.13 or 1 & 2/A6.23. If a rail is required on this shoring wall, please establish the rail detail on Dwg L1.52 that applies.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Rail type is called out on L1.01. This is a cable guardrail per JL1.52
120	Addendum 3	Woodbridge - Matt K	2	Interior/Exterior Glass and Glazing	Door Schedule - A9.11, A9.12, A9.13	Door Schedule calls out "GT" for the glass infill at many of the doors. No key Legend is included identifying the infill glass makeup. Please confirm glass types, ratings, and films as required to meet the 20-minute ratings. Related, the door configurations show on "SG" infill glass type. Please clarify this glass as well.	2/5/2021	2/12/2021	HMC	Thomas Ferrer	Reference updated door schedule.  Per CBC 708A - Unless Noted Otherwise, all exterior doors must be a minimum of 20 Min FireRated per door schedule and all exterior glazing must be a dual glazed system (with a minimum of 1 pane to be tempered) -this would satisfy 20 min fire rating requirement for the rest of the system.
121	Addendum 3	Bapko - Rece H	2	Misc. Metals	Attachment 2 - Mis. Metals	Instruction to Bidders Item 5.1 (last sentence) requires that we sign the "Consent to Assignment, Assumption and Novation in Attachment 2". However, I do not see anything with that specific title in Attachment 2. Does the signature in Section C2 of Attachment 2 cover this requirement ?	2/5/2021	2/12/2021	CM	Jess Matta	Refer to Exhibits 15A and 15B. Make sure to complete the acknowledgement section of the Attachment 2.
122	Addendum 3	Bapko - Rece H	2	Misc. Metals	Attachment 2 - Mis. Metals	I did not find requirements for such participation in the paperwork. Please confirm that there are no specific requirements for MBE, DBE, WBE, etc. participation at this time, or advise otherwise.	2/5/2021	2/12/2021	CM	Jess Matta	MBE, DBE, WBE is encouraged, but there are no project specific requirements on this project.
127	Addendum 4	Bapko - Rece H	2	Misc. Metals	Attachment 2 - Mis. Metals	Please confirm that Exhibits #27, #28, & #29 are to be signed & attached to the bid, or advise otherwise.	2/5/2021	2/12/2021	CM	Jess Matta	Please confirm that these to be attached to your bid, just acknowledge them on the bid form.
131	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping	Attachment 2 - Landscaping and Irrigation	Will Attachment 2 Bid Form be provided for Landscaping? We do not have a scope of work for this bid package as of now and we'd like to request an extension for RFI Deadlines due to not having clarity of scope right now and potentially needing clarification on final scope of work from the bid form.	2/12/2021	2/19/2021	CM	Jess Matta	Attachment 2 Bid form is now available for dowload from SBN.
132	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping		Lateral lines sizes are not shown on the irrigation plans. The legend provide a sizing chart, but plans do not show any marks. Please clarify if that means all lateral pipe to be 3/4" size.	2/12/2021	2/19/2021	HMC	Thomas Ferrer	All lateral lines are NOT 3/4" size. Tick marks were provided in original irrigation plan LZ01 indicating lateral sizes.
133	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping		Please confirm irrigation water meter is to be by others.	2/12/2021	2/19/2021	CM	Jess Matta	Confirmed
135	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping		Please confirm jakob wire system is to be installed per detail K/L1.53 and is to have spacers every 12" in triangular spacing. Also confirm it is to be 14'-2/18" tall and 29'-10" wide.	2/12/2021	2/19/2021	HMC	Thomas Ferrer	Jakob wire system to be installed in diamond pattern. Spacers to be installed only along perimeter of trellis. Interior pattern to be installed with greenguide cross clamp 90° by Jakob System every 12". Trellis to be 11'-4" tall by 29'-8" wide. Drawing will be updated for addendum 1.
136	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping	Irrigation legend	Please provide the size for the basket strainer. Per irrigation legend, size is per plan but plans do not identify the size.	2/12/2021	2/19/2021	HMC	Thomas Ferrer	Basket strainer to be 2"
137	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping	Attached L1.31 Sheet	Please see attached Sheet L1.31. Are these areas to include soil import will these areas be filled with site soil after the walls are built?	2/12/2021	2/19/2021	CM	Jess Matta	The intent would be that the grader would leave a balanced site including the planters.
138	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping		Please provide the number of stations required for the contrroller.	2/12/2021	2/19/2021	HMC	Thomas Ferrer	19 stations total.
139	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping	L3.61	Please confirm concrete base/cradle beneath boulder as shown I/L3.61 is to be by others and not landscaper.	2/12/2021	2/19/2021	CM	Jess Matta	Confirmed
140	Addendum 4	Pierre Landscaping - Josie L	2	Landscaping and Irrigation - Pierre Landscaping		Please provide the density of foam required as fill for the upper terrace planters.	2/12/2021	2/19/2021	HMC	Thomas Ferrer	Minimum foam density to be 0.70 lbs/cf
141	Addendum 4	Amperсанд Contract Sign Group - Harry S	2	Signage		Signs are based on Mohhawk sign systems thermoformed signs, single source supplier. Please confirm.	2/12/2021	ASAP	HMC	Thomas Ferrer	CCC provided signage standards, can Galfcon confirm if school has a certain mfr for basis of design.

142	Addendum 5	Ampersand Contract Sign Group - Harry S	2	Signage		1.Section 10-14-00 Identification signs, all companies listed are single source, proprietary sign systems that can not be duplicated. Design is based on Mohawk thermosetting high pressure laminate, single source proprietary. 2.Section 10-14-19 Dimensional Letters all companies listed are single source, proprietary sign systems that can not be duplicated except for Gemini. Nelson Harkins and Pobloski are out of business. Design is based on ASI-Modulex single source proprietary sign systems. 3.Section 10-14-23 restrooms, all companies listed are single source, proprietary sign systems that can not be duplicated. Design is based on Mohawk sign systems. 4.Section 10-14-33 Self Luminous Exit signs to be provided by electrical Contractor from any of the companies listed. 5.Section 10-14-53 Parking Area Signs, products supplied by Western Highway Products. Direct supply to GC, no sign company can outbid their pricing since the signs are off the shelf signs, manufactured and ready for install. 6. The drawings are incomplete, missing numerous code required signs, no message schedule provided, no location plans provided, no quantities for each sign type provided.	2/17/2021	ASAP	HMC	Thomas Ferrer	1-3. Multiple mfrs listed in spec, if substitute product/mfr wants to be introduced, please follow appropriate protocol outlined in spec. 4-5. Not questions. Please clarify if this is a question for design team. 6. Drawings contain all code related signage details, and locations. Please reference floor plans A2.21-A2.26 for locations called out via keynotes and A10.80-A10.82 for signage detail sheets on "Post DSA Review" drawing or DSA approved drawings.
143	Addendum 5	Premier Tile - Greg G	2	Tile	CT4	CT4 is listed as the accent wall tile in the restrooms. The material is not shown in the elevations. Please advise as to which walls get this material.	2/17/2021	2/26/2021	HMC	Thomas Ferrer	<CT4> Tag has been added to finish plans. See corresponding pdf.
144	Addendum 5	SG Specialties (Spoke Guard California) - Cameron M	2	Specialty Doors (Elevator Door Smoke Containment System)		1. Which model is desired for Some Curtains. M200 or M400? 2. The drawings don't seem to be clear which elevators and which floors the smoke containment curtains are required? Can you please confirm how many curtains are needed and at which floors? Tiling Specifications 09 30 13.3.04.D calls for a 1-3/4" thickbed at floors. The Slab Plans do not show any depression which would be a thin-set installation. Please advise as to which to assume.	2/17/2021	2/26/2021	HMC	Thomas Ferrer	Per Spec. M200 to be used for 42" and 48" openings only & M400 to be used for openings up to 60" wide. Smoke curtains are required for both passenger elevators, material lift and dumbwaiter at every floor it opens up. Drawings and specs to be updated for Addendum 1
145	Addendum 5	Premier Tile - Greg G	2	Tile	09 30 13.3.04	The specifications for FE1 (in section126113 and 090600) call for an upholstered chair, but there is no fabric indicated in those sections. Do you have that information?	2/17/2021	2/26/2021	HMC	Thomas Ferrer	Restroom floor tile will be thinset, tile spec to be updated for Addendum 1
146	Addendum 5	Sedia Systems	2	Multiple Fixed Seating	12 61 13 09 06 00	The specifications for FE1 (in section126113 and 090600) call for an upholstered chair, but there is no fabric indicated in those sections. Do you have that information?	2/19/2021	2/26/2021	HMC	Thomas Ferrer	For Lecture Hall (SC-101) Ply Beam and Ply Jury seats to be Natural Maple wood stain and Infinity (mfr) Aluminum (color) Fabric
147	Addendum 5	Sedia Systems	2	Multiple Fixed Seating		The layout for the classroom does not allow for ADA seating. Is that an oversight or is that the intent of the layout?	2/19/2021	2/26/2021	HMC	Thomas Ferrer	For Lecture Hall (SC-101) 2 ADA spaces called out in floor plan - reference DSA Approved Drawings sheet A2.21
148	Addendum 5	Sedia Systems	2	Multiple Fixed Seating		Please confirm there is no power to the seats, either beam mounted or the jury base chairs.	2/19/2021	2/26/2021	HMC	Thomas Ferrer	For Lecture Hall (SC-101) Beam mounted seat to have power via beam. Individual jury seats will not be powered.
149	Addendum 5	Architectural Designs & Signs	2	Signage	A5.12 & A5.13	A5.12 & A5.13 Building ID and Main Building ID - The old 50% sent had these Channel letters on the elevations by the new "Bid Set dated 12/08-2020" does not. Are they still on the current scope or will it be an alternate?	2/19/2021	2/26/2021	HMC	Thomas Ferrer	Exterior Signage has been consolidated to single ID sign at site concrete wall. Reference attached PDF 12/A10.00 and 8/A10.82
150	Addendum 5	Architectural Designs & Signs	2	Signage	A8.11 Note 08.87	Window films - Who's scope does this fall in? If you want it in signage scope, please provide more details.	2/19/2021	2/26/2021	CM	Jess Matta	Please exclude window films from your scope. Those are included in Glass and Glazing.
151	Addendum 5	Architectural Designs & Signs	2	Signage	A8.11	Finish WG1 & WG2 - Wall Graphic - Who's scope does this fall in? The Specs have "MDC" as the manufacturer, if this is required in the signage scope, we will need more details than that. please advise.	2/19/2021	2/26/2021	CM	Jess Matta	Please exclude - Those are included in Painting and Wall Covering scope.
152	Addendum 5	Architectural Designs & Signs	2	Signage		No details in signage details or location plans for "Hallway Directional plaques" do you want this added as an alternate with similar specs as other plaques?	2/19/2021	2/26/2021	HMC	Thomas Ferrer	Design team is only to provide code related signage. Any additional wayfinding signage will need to be at the direction of the client.
153	Addendum 5	Bapko - Rece H	2	Misc. Metals	3/A10.17 6/58.15	Please confirm that structural steel will furnish and install the following, or advise otherwise: 1. Stiffener plate & seat plate at the rail in Detail 3/A10.17 (not shown on structural drawings) 2. Plates under Roof Tie Off Posts per Detail 6/58.15	2/5/2021	2/12/2021	CM	Jess Matta	1. Include this in your railing pricing and provide alternate deduct if it's provided by others. 2. Yes, the plates are being provided by structural steel contractor.
154	Addendum 6	Stumbaugh - Joel S	2	Toilet Partitions and Accessories / Specialties		There are multiple sink locations in classroom areas that do not show a soap dispenser or paper towel dispenser. There are 8 locations in which miscellaneous sinks do show a soap dispenser and paper towel dispenser. Should all sink locations get one of each, or should we bid only what is shown on the plans?	2/25/2021	3/5/2021	HMC	Thomas Ferrer	John Leopardi can you confirm with the school/users what the campus standard is. Typically, labs do not have soap and paper towel dispensers at every sink, maybe a single set by the sink closest to the exit, if at all. This is typically OFOI item that is done once labs are in use.
155	Addendum 6	Stumbaugh - Joel S	2	Toilet Partitions and Accessories / Specialties	2.10 21 00 Item 2.02	Under the TP spec section 102100, item 2.02C it lists the door hinges to be surface mounted and institutional. To us, institutional would mean a continuous hinge. Can you clarify if it is the intent to have continuous piano hinges or standard surface mount hinges? Also, the wall brackets are listed as stainless steel double ear and U brackets, but are they stirrup brackets or continuous brackets? Please clarify as this will have a significant cost impact.	2/25/2021	3/5/2021	HMC	Thomas Ferrer	Door hinges to be a continuous hinge. Wall brackets to be stirrup brackets.
156	Addendum 5	Stumbaugh - Joel S	2	Toilet Partitions and Accessories / Specialties		3. There are large mirrors in the bathrooms. Will these be covered by your glass sub or did you want us to include them in our base bid, or perhaps, just as an add?	2/25/2021	3/5/2021	CM	Jess Matta	Please include in your base number. We will add a SOV in the Attachment 2.

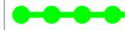
157	Addendum 5	DPR - JM	2	Fireproofing/ Painting		<p>Assume scope:</p> <ol style="list-style-type: none"> <li>1. Apply intumescent paint to all exposed (non-furred) WF columns in all finished spaces including classrooms, labs, offices, conference rooms, corridors, science academy, and check out.</li> <li>2. In instances where a column penetrates a ceiling, assume that intumescent painting of columns will extend the full height of the column/member.</li> <li>3. Exclude intumescent paint at back of house areas such as storage rooms, mechanical rooms, electrical rooms, and IDF rooms (these will be protected with cementitious fireproofing).</li> <li>4. Assume that all overhead beams are to be spray fireproofed with cementitious fireproofing and not intumescent.</li> <li>5. Provide Add Alternate for Intumescent paint at horticulture trellis structure.</li> </ol>	2/24/2021	3/5/2021	HMC	Thomas Ferrer	<ol style="list-style-type: none"> <li>1. Correct.</li> <li>2. Correct</li> <li>3. Correct</li> <li>4. In addition, at exposed ceiling locations all elements above 10ft datum to be painted per RCP legend.</li> <li>5. Correct</li> </ol> <p>See attached markups for intumescent paint.</p>
158	Addendum 6	Architectural Specialties - Cameron M	2	Fire Curtain	See attached	<ol style="list-style-type: none"> <li>1. Regarding the dumbwaiter and the lift...can you confirm that there is enough space for about a 2 inch rail to go along each side of the openings? The Dumbwaiter looks particularly tight, which may not allow us to quote these without the space.</li> <li>2. We also want to confirm you only need smoke protection and not fire rated protection. Please confirm.</li> </ol>	3/4/2021	3/5/2021	HMC	Thomas Ferrer	<ol style="list-style-type: none"> <li>1. confirmed there is enough space. See pdf for locations required</li> <li>2.requirement of system outlined in spec.</li> </ol>

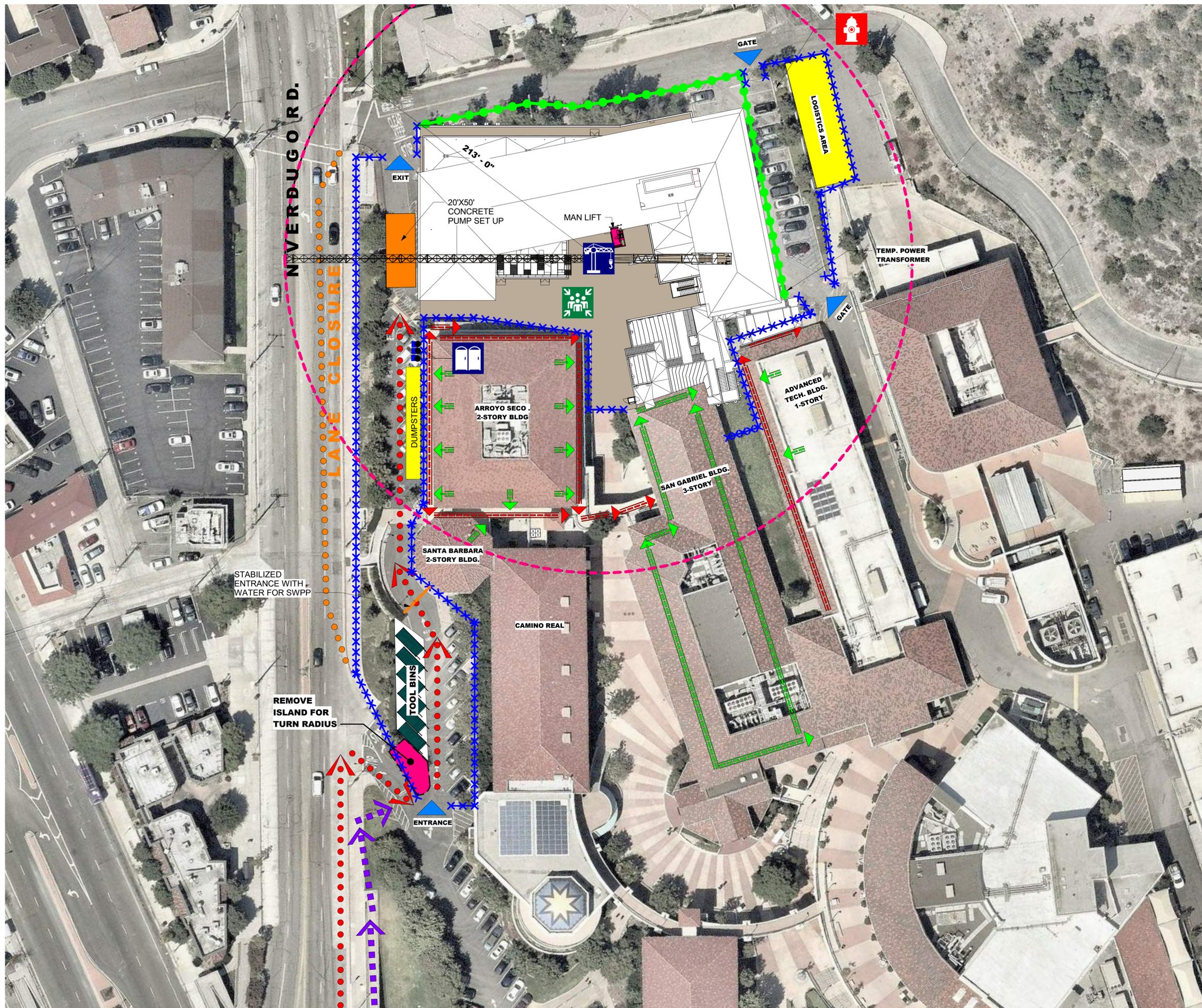
# 10. Exhibit “J” – Site Logistics Plan

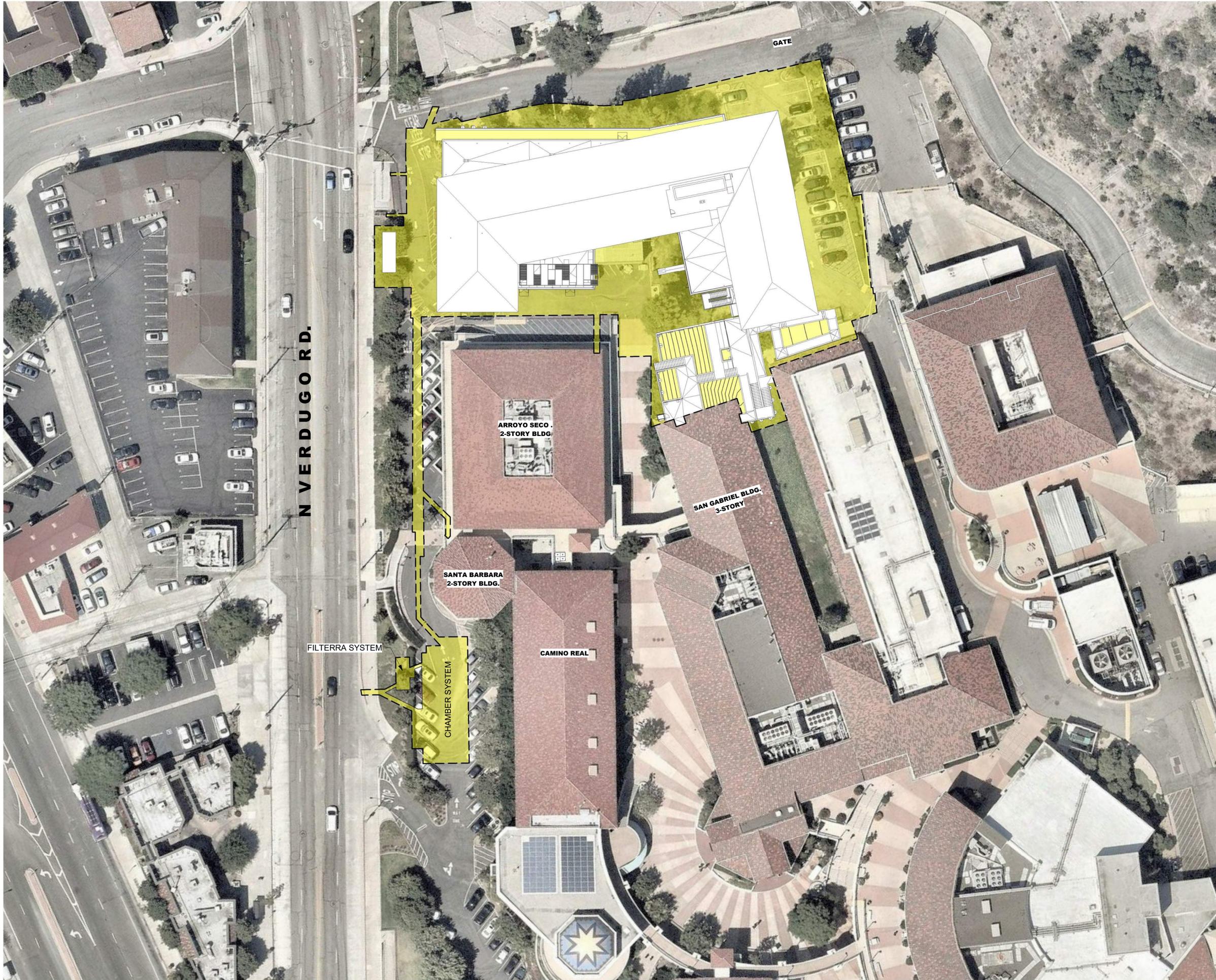
05/05/21

EXHIBIT  
“J”

**LEGEND**

	<b>GATE (S)</b> ENTRANCE OR EXIT
	<b>FENCE TYPE 1</b> 4'; 6'; 8' CHAINLINK FENCING TIED TO POST SADDLES WITH GREEN OR BLUE SCREEN ON K-RAIL
	<b>FENCE TYPE 2</b> TYPICAL POST DRIVEN CHAIN LINK FENCE WITH GREEN OR BLUE WIND SCREEN OVER IT
	<b>EXTERIOR EXIT PATH</b> PEDESTRIAN PATH OF TRAVEL AT EXTERIOR
	<b>INTERIOR CORRIDOR PATH</b> PEDESTRIAN PATH OF TRAVEL AT INTERIOR
	<b>GENERAL PEDESTRIAN PATH OF TRAVEL</b> PEDESTRIAN PATH OF TRAVEL
	<b>CONSTRUCTION TRAFFIC PATH OF TRAVEL</b> VEHICLE/EQUIPMENT PATH OF TRAVEL
	<b>CONSTRUCTION LANE CLOSURE/DELINEATION</b> LANE CLOSURE BARRICADE
	<b>A.D.A. PARKING</b>
	<b>CAMPUS HYDRANT</b> NO METER REQUIRED
	<b>PARKING</b> PARKING DESIGNATED FOR WORKERS
	<b>CRANE</b>
	<b>PORTABLE RESTROOMS</b> DESIGNATED PORTABLE RESTROOMS
	<b>TOOL CRIB/STORAGE</b> DESIGNATED STORAGE
	<b>MUSTER POINT</b>
	<b>TEMP. POWER</b>





**LEGEND**



PHASE 1 PROJECT LIMIT  
 HATCH DEFINES PHASE 1 PROJECT LIMIT

Sheet No.:

OP-105

Project Name:

PHASE 1 WORK LIMIT

Project Name

Revision Number

Revision Description

Drawing Date:

12/03/20

Drawn By: Author

4665 MacArthur Court,  
Suite 1700  
Newport Beach, CA 92660

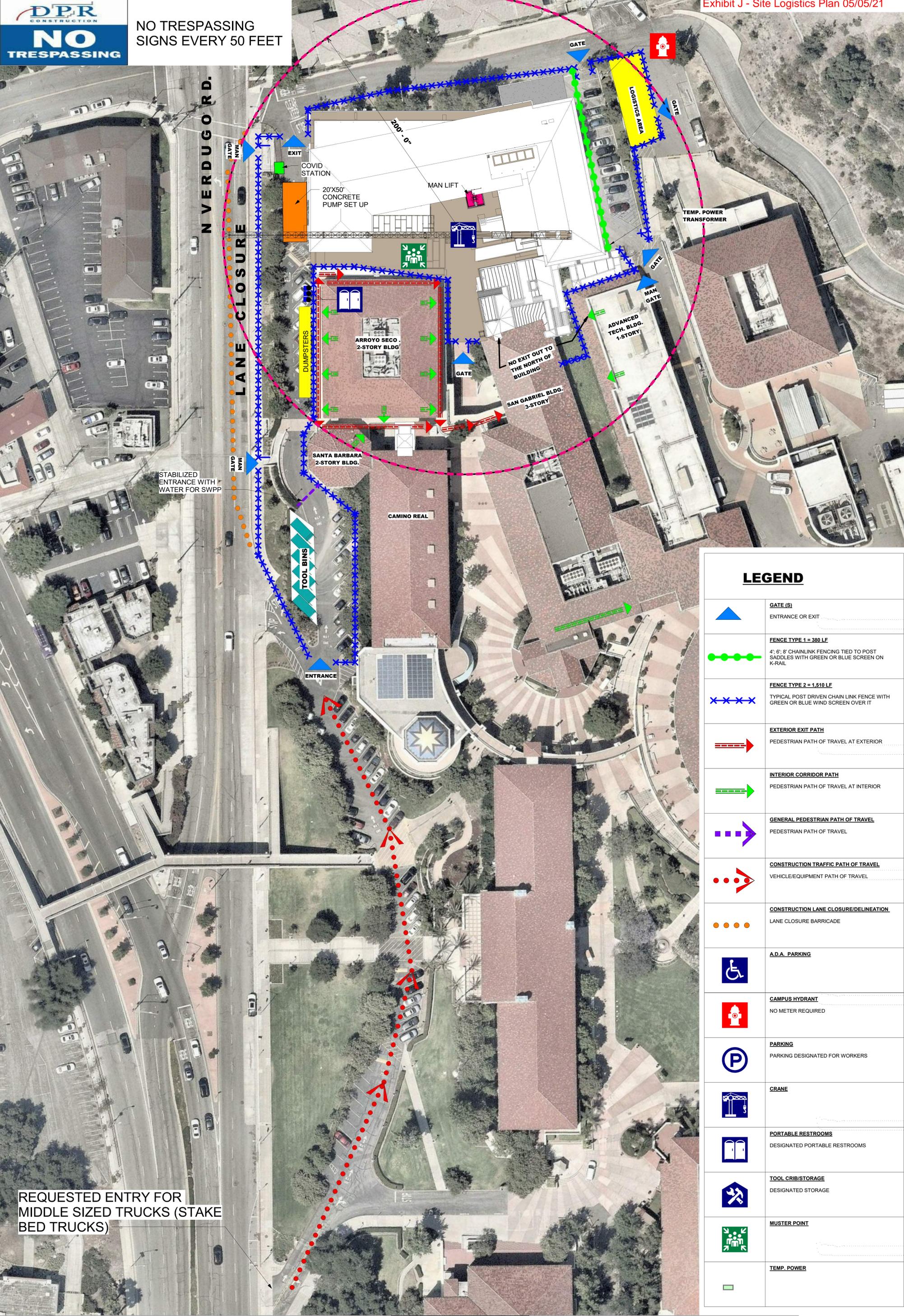


DP&R exists to build great things.





NO TRESPASSING  
SIGNS EVERY 50 FEET



REQUESTED ENTRY FOR  
MIDDLE SIZED TRUCKS (STAKE  
BED TRUCKS)

**LEGEND**

	<b>GATE (S)</b> ENTRANCE OR EXIT
	<b>FENCE TYPE 1 = 380 LF</b> 4", 6", 8" CHAINLINK FENCING TIED TO POST SADDLES WITH GREEN OR BLUE SCREEN ON K-RAIL
	<b>FENCE TYPE 2 = 1,610 LF</b> TYPICAL POST DRIVEN CHAIN LINK FENCE WITH GREEN OR BLUE WIND SCREEN OVER IT
	<b>EXTERIOR EXIT PATH</b> PEDESTRIAN PATH OF TRAVEL AT EXTERIOR
	<b>INTERIOR CORRIDOR PATH</b> PEDESTRIAN PATH OF TRAVEL AT INTERIOR
	<b>GENERAL PEDESTRIAN PATH OF TRAVEL</b> PEDESTRIAN PATH OF TRAVEL
	<b>CONSTRUCTION TRAFFIC PATH OF TRAVEL</b> VEHICLE/EQUIPMENT PATH OF TRAVEL
	<b>CONSTRUCTION LANE CLOSURE/DELINEATION</b> LANE CLOSURE BARRICADE
	<b>A.D.A. PARKING</b>
	<b>CAMPUS HYDRANT</b> NO METER REQUIRED
	<b>PARKING</b> PARKING DESIGNATED FOR WORKERS
	<b>CRANE</b>
	<b>PORTABLE RESTROOMS</b> DESIGNATED PORTABLE RESTROOMS
	<b>TOOL CRIB/STORAGE</b> DESIGNATED STORAGE
	<b>MUSTER POINT</b>
	<b>TEMP. POWER</b>