

**CONCEPTUAL PRICING RECAP**

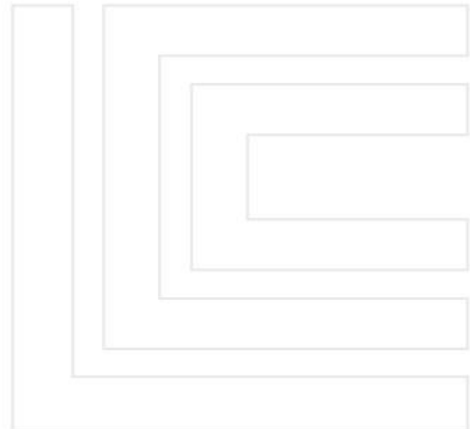
Project Name: Student Center & Library  
 Project Location: Anoka Ramsey Community College  
 Description: Interior Renovations  
 Owner: MN State Colleges & Universities  
 Architect: Rivera Architects  
 Date: Friday, December 7, 2018  
 Project Lead: Jonathan Murray  
 Estimators: Jonathan Murray, Danielle Ravnika



Escalation: None  
 Delivery Method: GC  
 Design Level: DD

Reviewed By: Talon DeWitz

Construction Area / Total Cost per SF:		32,395	\$144.98
SECTION	DESCRIPTION	TOTAL	SQ. FT. COST
01 00 00	General Conditions	\$334,198	\$10.32
01 00 00	Building Permit, Plan Check Fee & State Surcharge	\$35,054	\$1.08
01 00 00	Temporary Facilities & Controls <i>Temp. Partitions, Dust Control, Weekly Cleaning, Etc.</i>	\$56,691	\$1.75
01 00 00	Final Cleaning	\$12,148	\$0.38
02 00 00	Existing Conditions	\$212,580	\$6.56
03 00 00	Concrete	\$13,080	\$0.40
04 00 00	Masonry <i>No Work or Costs Included</i>	\$0	\$0.00
05 00 00	Metals	\$89,973	\$2.78
06 00 00	Wood Plastics and Composites	\$223,727	\$6.91
07 00 00	Thermal and Moisture Protection	\$14,975	\$0.46
08 00 00	Openings	\$402,445	\$12.42
09 00 00	Finishes	\$1,044,833	\$32.25
10 00 00	Specialties <i>White Boards &amp; Signage by Owner</i>	\$34,450	\$1.06
11 00 00	Equipment <i>Not Included - by Owner</i>	\$0	\$0.00
12 00 00	Furnishings <i>Not Included - by Owner</i>	\$0	\$0.00
13 00 00	Special Construction <i>Not Applicable</i>	\$0	\$0.00
14 00 00	Conveying Systems <i>Not Applicable</i>	\$0	\$0.00
21 00 00	Fire Protection Systems	\$106,175	\$3.28
22 00 00	Plumbing	\$182,632	\$5.64
23 00 00	HVAC Systems	\$668,512	\$20.64
26 00 00	Electrical	\$400,454	\$12.36
27 00 00	Communications (Voice/Data & A/V Systems) <i>Cabling Only - Hardware by Owner</i>	\$164,790	\$5.09
28 00 00	Electronic Safety and Security Systems	\$85,847	\$2.65
<b>SUBTOTAL COST</b>		<b>\$4,082,562</b>	<b>\$126.02</b>
	Subcontractor Bonds <i>0.50%</i>	\$20,413	\$0.63
	Design Contingency <i>5.00%</i>	\$205,149	\$6.33
	Construction Contingency <i>3.00%</i>	\$129,244	\$3.99
	Builders Risk Insurance <i>0.25%</i>	\$11,093	\$0.34
	General Liability Insurance <i>1.00%</i>	\$44,485	\$1.37
	Performance and Payment Bond <i>1.00%</i>	\$44,929	\$1.39
	Contractor Fee <i>3.50%</i>	\$158,826	\$4.90
<b>TOTAL AMOUNT</b>		<b>\$4,696,701</b>	<b>\$144.98</b>



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Interior Demolition			
Description:	Quantity: Unit	Unit Price:	Amount: Notes:
02 41 00 Remove Carpet Flooring & Base	32,395 SF	\$0.45	\$14,578
02 41 00 Remove Ceramic Tile & Base	1,150 SF	\$4.00	\$4,600
02 41 00 Remove Existing Casework	69 LF	\$25.00	\$1,725
02 41 00 Remove Curb & Railing	61 LF	\$50.00	\$3,050
02 41 00 Remove Door, Frame, Hardware	82 EA	\$95.00	\$7,790
02 41 00 Remove Toilet Partitions, Accessories	4 LOT	\$285.00	\$1,140
02 41 00 Remove Existing Stairs, Railings, Etc.	1 LOT	\$3,800.00	\$3,800
02 41 00 Remove Existing Ceramic Wall Tile	1,728 SF	\$2.00	\$3,456
02 41 00 Remove Existing Ladder to Penthouse	1 EA	\$380.00	\$380
02 41 00 Remove Existing Layer of Gyp. Board	0 SF	\$3.75	\$0 Included in Drywall Partition Demo
02 41 00 Remove Portion of Existing Floor Slab	70 SF	\$25.00	\$1,750
02 41 00 Remove Existing Donor Art	1 LOT	\$190.00	\$190
02 41 00 Remove Existing Burnished Block	98 LF	\$120.00	\$11,760
02 41 00 Remove Existing Book Drop	1 EA	\$95.00	\$95
02 41 00 Remove Portion of Existing Wall - New Window	2 EA	\$2,500.00	\$5,000
02 41 00 Remove Interior Glass Partitions, Windows	190 LF	\$18.00	\$3,420
02 41 00 Remove Interior Gyp. Partitions	682 LF	\$24.00	\$16,368
02 41 00 Remove Interior Non-Bearing Masonry Partitions	930 LF	\$60.00	\$55,800
02 41 00 Remove Existing Ceilings	32,395 SF	\$0.30	\$9,719
02 41 00 Grind Floor Mastics & Adhesives	32,395 SF	\$0.60	\$19,437
02 41 00 Remove Laminate Panels at Curved Wall in Commons	1 LOT	\$190.00	\$190
02 41 00 Haul-Out MEP Equipment	1 LOT	\$3,800.00	\$3,800 MEP Demo to Floor for Contractor to Haul Out
02 41 00 Demolition Dumpsters/Tools/Equipment	1 LOT	\$16,805	\$16,805
02 41 00 Subcontractor O.H. & Profit	15% LS	n/a	\$27,728
<b>Total Selective Demolition</b>			<b>\$212,580</b>
Concrete			
Description:	Quantity: Unit	Unit Price:	Amount: Notes:
03 31 00 Steel Stair Pan Fill (Main Level Stair to Penthouse)	1 LOT	\$5,500.00	\$5,500
03 31 00 Slab on Metal Deck at Stair In-Fill	108 SF	\$50.00	\$5,400
03 31 00 Subcontractor O.H. & P	20% LS	n/a	\$2,180 Small Project Premium
<b>Total Cast-in-Place Concrete</b>			<b>\$13,080</b>
Steel			
Description:	Quantity: Unit	Unit Price:	Amount: Notes:
05 50 00 Steel Pan-Filled Stairway (Main Level A to Penthouse)	12 VLF	\$1,115.00	\$13,380 Includes Railings & Handrails
05 50 00 Stair In-Fill Structure - Perimeter Members	45 LF	\$50.00	\$2,250
05 50 00 Stair In-Fill Structure - Horizontal Members	60 LF	\$75.00	\$4,500
05 50 00 2" Composite Decking at Stair In-Fill	1.08 SQ	\$650.00	\$702
05 50 00 Glass Floor In-Fill Structure - Perimeter Members	215 LF	\$50.00	\$10,750
05 50 00 Glass Floor In-Fill Structure - Horizontal Members 36" o.c.	175 LF	\$75.00	\$13,125
05 00 00 Subcontractor O.H. & P	15% LS	n/a	\$6,706
<b>Total Miscellaneous and Structural Steel</b>			<b>\$51,413 Material Only</b>
<b>Steel Erection Subcontract</b>	1 LS		<b>\$38,560 Labor Only</b>
Carpentry			
Description:	Quantity: Unit	Unit Price:	Amount: Notes:
06 10 00 Interior Commercial Bldg. Blocking	32,395 SF	\$0.75	\$24,296
06 10 00 Raised Platform at Reception A1600	95 SF	\$25.00	\$2,375
06 10 00 Subcontractor O.H. & P	15% LS	n/a	\$4,001
<b>Total Rough Carpentry</b>			<b>\$30,672</b>
Finish Carpentry and Millwork			
Description:	Quantity: Unit	Unit Price:	Amount: Notes:
06 20 00 Custom Built-In Booths - Large	3 EA	\$7,500.00	\$22,500
06 20 00 Custom Built-In Booths - Small	4 EA	\$5,000.00	\$20,000
06 20 00 Wrap Radius Wall Common Area Side in A1250	1 ALLOW	\$2,500.00	\$2,500 New Panels, Metal Reveals
06 20 00 Waiting Area A1004 Two Seat Built-In Countertops	7 LF	\$95.00	\$665
06 20 00 Reception Area A1005 Desk & Top	10 LF	\$225.00	\$2,250
06 20 00 Reception Area A1005 Credenza & Top	10 LF	\$225.00	\$2,250
06 20 00 Commons A1043 High-Top Built-In Feature	15 LF	\$300.00	\$4,400
06 20 00 Conference A1049 Built-Ins at Each Side of Monitor	8 LF	\$200.00	\$1,532
06 20 00 Reception A1050 Desk	33 LF	\$225.00	\$7,425
06 20 00 Reception A1020 Desk	30 LF	\$225.00	\$6,750
06 20 00 Quiet Study A1250 Countertop	19 LF	\$95.00	\$1,805
06 20 00 Library Entry Service Counters (SS, Shelving, Drawer & Doors)	29 LF	\$300.00	\$8,700 Two Included - Not Including the Third per Mtg.
06 20 00 Computer Area A1237 Countertop	26 LF	\$95.00	\$2,451
06 20 00 Computer Area A1237 Radius Top & Die-Wall	25 LF	\$200.00	\$5,000
06 20 00 Reception Desk A1600	22 LF	\$350.00	\$7,700
06 20 00 Subcontractor O.H. & P	15% LS	n/a	\$14,389
<b>Total Finish Carpentry Material</b>			<b>\$110,317 Material Only</b>
<b>Finish Carpentry Labor</b>	1 LS		<b>\$82,738 Labor Only</b>
Caulking & Fireproofing			
Description:	Quantity: Unit	Unit Price:	Amount: Notes:
07 81 16 Cementitious Fireproofing at Floor In-Fill	1 LOT	\$7,500.00	\$7,500
07 90 00 Interior Hollow Metal Frames	41 EA	\$50.00	\$2,050
07 90 00 Misc. Fire Caulking & Fire Stopping (Allowance)	1 LS	\$2,500.00	\$2,500
07 90 00 Misc. Project Caulking	32,395 SF	\$0.03	\$972 Floor Area
07 90 00 Subcontractor O.H. & P	15% LS	n/a	\$1,953
<b>Total Caulking &amp; Fireproofing</b>			<b>\$14,975</b>

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**Openings**

Description:	Quantity:	Unit	Unit Price:	Amount:	Notes:
08 10 00 Hollow Metal Frames 3o7o - Type 1	59	EA	\$265.00	\$15,635	
08 10 00 Hollow Metal Frames 6o7o - Type 2	3	EA	\$300.00	\$900	
08 10 00 Hollow Metal Frames 3o7o - Type 3 (12" Sidelight)	2	EA	\$365.00	\$730	
08 10 00 Hollow Metal Frames 3o7o - Type 4 (24" Sidelight)	1	EA	\$395.00	\$395	
08 10 00 Hollow Metal Frames 3o7o - Type 5 (85" Sidelight)	1	EA	\$565.00	\$565	
08 10 00 Hollow Metal Frames 3o7o - Type 6 (140" Sidelight)	1	EA	\$840.00	\$840	
08 10 00 Hollow Metal Frames 3o7o - Type 7 (124" Sidelight)	1	EA	\$805.00	\$805	
08 10 00 Hollow Metal Frames 3o7o 0 Type 8 (Sidelight & Transom)	1	EA	\$1,032.00	\$1,032	
08 10 00 Pre-Finished 3o7o Wood Door Type NL	64	EA	\$350.00	\$22,400	Timberstrand Construction
08 10 00 Pre-Finished 3o7o Wood Door Type FL	4	EA	\$300.00	\$1,200	
08 10 00 Pre-Finished 3o7o Wood Door Type FG	5	EA	\$400.00	\$2,000	Timberstrand Construction
08 71 00 Interior Single Door Hardware Set	65	EA	\$750.00	\$48,750	
08 71 00 Interior Double Door Hardware Set	4	EA	\$1,150.00	\$4,600	
08 71 00 Carpentry Labor - Install Doors & Hardware	73	EA	\$380.00	\$27,740	
08 10 00 Subcontractor O.H. & P	15%	LS	n/a	\$19,139	
<b>Total Openings</b>				<b>\$146,731</b>	

**Glass and Glazing Systems**

Description:	Quantity:	Unit	Unit Price:	Amount:	Notes:
08 40 00 Glass Floor In-Fills	510	SF	\$150.00	\$76,500	
08 51 00 Exterior Window Type W4	180	SF	\$60.00	\$10,800	
08 80 00 Interior Butt Channel Glass to 7'-0" (Area A)	504	SF	\$30.00	\$15,120	Rooms A1049, A1055
08 80 00 Interior Glass Door (Area A)	2	EA	\$2,200.00	\$4,400	A1049, A1055
08 80 00 Interior Sliding Glass Wall Assembly to 7'-0"	255	SF	\$215.00	\$54,782	Area A
08 80 00 Interior Window W1 (Area A)	117	SF	\$45.00	\$5,273	
08 80 00 Interior Window W2 (Area B)	360	SF	\$45.00	\$16,200	
08 80 00 Interior Window W3 (Area A)	114	SF	\$45.00	\$5,131	
08 80 00 Interior Window W5 (Area B)	50	SF	\$45.00	\$2,250	
08 80 00 Interior Window W6 (Area A)	48	SF	\$45.00	\$2,160	
08 80 00 Interior Window W7 (Area B)	132	SF	\$45.00	\$5,940	
08 80 00 Interior Window W8 (Area B)	132	SF	\$45.00	\$5,940	
08 80 00 Interior Butt Channel Glass to 7'-0" (Area B)	165	SF	\$30.00	\$4,956	Room A1120
08 80 00 Interior Glass Door (Area B)	1	EA	\$2,200.00	\$2,200	A1220B
08 80 00 1/4" Clear Tempered Glass Set in HM Frames	322	SF	\$16.00	\$5,159	
08 80 00 1/4" Clear Tempered Glass Set in NL Wood Doors	64	EA	\$75.00	\$4,800	
08 80 00 1/4" Clear Tempered Glass Set in FG Wood Doors	5	EA	\$150.00	\$750	
08 40 00 Subcontractor O.H. & P	15%	LS	n/a	\$33,354	
<b>Total Glass and Glazing Systems</b>				<b>\$255,714</b>	

**Drywall**

Description:	Quantity:	Unit	Unit Price:	Amount:	Notes:
09 21 16 Interior 2-Sided Insulated Partition to Deck	17,435	SF	\$8.75	\$152,556	3 5/8" Metal Stud
09 21 16 Interior 2-Sided Insulated Partition to Deck	55	SF	\$10.75	\$591	6" Stud
09 21 16 Interior 1-Sided Insulated Partition to Deck	1,850	SF	\$6.75	\$12,488	3 5/8" Metal Stud
09 21 16 Interior Furring Walls to 6" Above Ceiling	13,780	SF	\$4.00	\$55,120	To Structure in Dean's Row
09 21 16 Add Spray Foam at Dean's Row	1,200	SF	\$2.70	\$3,240	
09 21 16 Insulated Bulkheads Above Interior Openings	3,243	SF	\$12.00	\$38,916	To Deck
09 21 16 Gyp. Bulkheads at Ceiling Transitions - Area A	530	LF	\$35.00	\$18,550	
09 21 16 Gyp. Ceilings - Area A	1,822	SF	\$10.00	\$18,220	
09 21 16 Gyp. Bulkheads at Ceiling Transitions - Area B	542	LF	\$35.00	\$18,970	
09 21 16 Gyp. Light Cove - Area B	194	LF	\$40.00	\$7,760	
09 21 16 Gyp. Ceilings - Area B	2,227	SF	\$10.00	\$22,270	
09 21 16 Gyp. Ceilings - Patch & Repair in Public Restrooms	515	SF	\$6.00	\$3,090	
09 21 16 Install HM Frames	73	EA	\$75.00	\$5,475	
09 21 16 Subcontractor O.H. & P	15%	LS	n/a	\$53,587	
<b>Total Drywall</b>				<b>\$410,833</b>	

**Tile & Stone**

Description:	Quantity:	Unit	Unit Price:	Amount:	Notes:
09 30 00 Restroom Floor Tile A1016 & A1015	145	SF	\$25.00	\$3,625	Small Area Install Premium
09 30 00 Restroom Floor Tile A1002, A1003	515	SF	\$22.00	\$11,330	
09 30 00 Restroom Wall Tile A1016 & A1015	608	SF	\$22.00	\$13,376	Full Height for Estimating Purposes
09 30 00 Restroom Wall Tile A1002, A1003	1,360	SF	\$20.00	\$27,200	Full Height for Estimating Purposes
09 30 00 Interior Stone Applied to Masonry - Area A	1,200	SF	\$50.00	\$60,000	
09 30 00 Interior Stone at Two Sided Fireplace	1	LOT	\$6,000.00	\$6,000	Allowance
09 30 00 Interior Stone at Wall Inset Fireplace	1	LOT	\$3,000.00	\$3,000	Allowance
09 30 00 Floor Prep - Skimming, Leveling in Restrooms	660	SF	\$4.00	\$2,640	
09 30 00 Subcontractor O.H. & Profit	15%	LS	n/a	\$19,076	
<b>Total Tile &amp; Stone</b>				<b>\$146,247</b>	

**Acoustical Ceilings**

Description:	Quantity:	Unit	Unit Price:	Amount:	Notes:
09 50 00 2x2 Acoustical Ceilings - Area A	12,270	SF	\$4.00	\$49,080	
09 50 00 2x2 Acoustical Ceilings - Area B	14,012	SF	\$4.00	\$56,048	
09 50 00 2x4 Acoustical Ceilings - Area B	122	SF	\$3.00	\$366	
09 50 00 2x2 Acoustical Ceilings - Area C	965	SF	\$4.00	\$3,860	
09 50 00 Subcontractor O.H. & P	15%	LS	n/a	\$16,403	
<b>Total Acoustical Ceilings</b>				<b>\$125,757</b>	

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Flooring		Quantity:	Unit	Unit Price:	Amount:	Notes:
09 68 00	Area A - Common Area Corridor Carpet Tile & Vinyl Base	575	SY	\$45.00	\$25,875	
09 68 00	Area A - Vestibule A1000 Walk Off Carpet Tiles	16	SY	\$60.00	\$947	
09 68 00	Area B - Common Area Corridor Carpet Tile & Vinyl Base	120	SY	\$45.00	\$5,400	
09 68 00	Area A & B - Carpet Tile w/Vinyl Base	2,930	SF	\$45.00	\$131,850	
09 68 00	Upgrade Flooring to LVT or Similar (10% of Carpet Area)	2,505	SF	\$7.50	\$18,788	General Allowance
09 68 00	Area C - Carpet Tile w/Vinyl Base	115	SY	\$45.00	\$5,175	
09 68 00	Floor Prep (Heavy Due to Masonry Wall Removal)	31,980	SF	\$2.00	\$63,960	
09 60 00	Subcontractor O.H. & P	15%	LS	n/a	\$37,799	
<b>Total Flooring</b>					<b>\$289,793</b>	
Painting		Quantity:	Unit	Unit Price:	Amount:	Notes:
09 90 00	Paint Interior Partitions - Area A	26,370	SF	\$0.85	\$22,415	
09 90 00	Paint Interior Partitions - Area B	19,915	SF	\$0.85	\$16,928	
09 90 00	Paint Interior Partitions - Area C	3,285	SF	\$0.85	\$2,792	
09 90 00	Paint Gyp. Ceilings	4,564	SF	\$1.50	\$6,846	
09 90 00	Enamel New HM Frames	73	EA	\$125.00	\$9,125	
09 90 00	Enamel New Steel Stair Assembly	12	VLF	\$120.00	\$1,440	
09 90 00	Punch List	32,395	SF	\$0.10	\$3,240	
09 90 00	Subcontractor O.H. & P	15%	LS	n/a	\$9,418	
<b>Total Painting</b>					<b>\$72,203</b>	
Specialties		Quantity:	Unit	Unit Price:	Amount:	Notes:
10 10 10	Marker Boards	128	SF	\$0.00	\$0	By Owner, No Work or Costs Included
10 14 00	Door Signs	0	EA	\$75.00	\$0	By Owner, No Work or Costs Included
10 21 00	Toilet Partititons - ADA	2	EA	\$1,800.00	\$3,600	
10 21 00	Toilet Partititons - Standard	5	EA	\$1,400.00	\$7,000	
10 21 00	Toilet Partititons - Urinal Screen	2	EA	\$350.00	\$700	
10 28 00	Toilet Accessories Public Toilets	50	EA	\$175.00	\$8,750	
10 40 00	Fire Extinguisher and Cabinet	2	EA	\$450.00	\$900	
10 00 00	Electric Fireplace - 2 Sided in Area A	1	EA	\$8,500.00	\$8,500	
10 00 00	Electric Fireplace - Wall Inset in Area B	1	EA	\$5,000.00	\$5,000	
<b>Total Specialties</b>					<b>\$34,450</b>	
Fire Protection Systems		Quantity:	Unit	Unit Price:	Amount:	Notes:
21 00 00	Wet-Pipe Sprinkler Modifications (No Elevation Change)	32,395	SF	\$2.85	\$92,326	Branch Lines & Sprinkler Head Replacement
21 00 00	Subcontractor O.H. & P	15%	LS	n/a	\$13,849	
<b>Total Fire Protection Systems</b>					<b>\$106,175</b>	
Plumbing		Quantity:	Unit	Unit Price:	Amount:	Notes:
22 00 00	Plumbing Demolition	23	FIX	\$250.00	\$5,750	
22 00 00	Wall Hung ADA Water Closet + Auto Flush Valve	4	EA	\$2,400.00	\$9,600	
22 00 00	Wall Hung Standard Water Closet + Auto Flush Valve	5	EA	\$2,200.00	\$11,000	
22 00 00	Wall Hung Urinal + Auto Flush Valve	2	EA	\$1,880.00	\$3,760	
22 00 00	Wall Hung Vanity Sink & Sensor Faucet	7	EA	\$1,600.00	\$11,200	
22 00 00	New Dual Bowl Drinking Fountain w/Bottle Filler	1	EA	\$7,500.00	\$7,500	Includes New Rough-In
22 00 00	Modify Restroom Rough-Ins in A1016, A1015	1	LOT	\$10,000.00	\$10,000	Waste, Vent, Supply Piping Modifications
22 00 00	Rain Leader Pipe Modifications & Roof Drains Allowance	1	ALLOW	\$100,000.00	\$100,000	Exact Scope TBD - Allowance for Estimaing Purposes
22 00 00	Subcontractor O.H. & P	15%	LS	n/a	\$23,822	
<b>Total Plumbing Systems</b>					<b>\$182,632</b>	

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HVAC		Quantity:	Unit	Unit Price:	Amount:	Notes:
23 00 00	HVAC Demolition	32,395	SF	\$1.25	\$40,494	
23 00 00	Area A Supply Ductwork	1,210	LF	\$45.00	\$54,450	
23 00 00	Area A 2x2 Diffuser + Flex Duct	61	EA	\$250.00	\$15,250	
23 00 00	Area A Transfer Grill 1	28	EA	\$350.00	\$9,800	
23 00 00	Area A Return Air Duct	82	LF	\$40.00	\$3,280	
23 00 00	Area A Supply Grill	3	EA	\$100.00	\$300	
23 00 00	Area A Hydronic Piping	545	LF	\$58.50	\$31,883	
23 00 00	Area A Fin-Tube Radiation	100	LF	\$75.00	\$7,500	
23 00 00	Area B Supply Ductwork - Dean's Row	365	LF	\$45.00	\$16,425	Dean's Row = 2,425 SF approx.
23 00 00	Area B 2x2 Diffuser + Flex Duct - Dean's Row	9	EA	\$250.00	\$2,250	
23 00 00	Area B Linear Diffuser + Flex Duct - Dean's Row	4	EA	\$400.00	\$1,600	
23 00 00	Area B Transfer Grill 1 - Dean's Row	8	EA	\$350.00	\$2,800	
23 00 00	Area B Fin-Tube Radiation - Dean's Row	75	LF	\$75.00	\$5,625	
23 00 00	Area B - Library Hydronic Piping, Ductwork, Diffusers, Grills	13,165	SF	\$12.00	\$157,980	
23 00 00	Area C HVAC Allowance	1	ALLOW	\$7,500.00	\$7,500	Relocate Diffusers for New Layout
23 00 00	Add Hot Water Coil to AHU-5	1	EA	\$6,500.00	\$6,500	
23 00 00	Route Return Air Duct in Stairway to Penthouse	1	EA	\$1,500.00	\$1,500	New Floor Penetration - Email 12/6/2018
23 00 00	Convert Pneumatic Controls to DDC at Penthouse AHU	1	EA	\$3,500.00	\$3,500	Email 12/6/2018
23 00 00	Relocate Existing VAV Box	8	EA	\$0.00	\$0	No Reused VAV's per Email 12/6/2018
23 00 00	Fan Powered VAV Box - New	25	EA	\$1,400.00	\$35,000	Per Mechanical Schedule
23 00 00	Hydronic Piping Insulation	1	LOT	\$15,000.00	\$15,000	
23 00 00	Ductwork Insulation	1	LOT	\$25,000.00	\$25,000	
23 00 00	Test & Balance	32,395	SF	\$1.25	\$40,494	
23 00 00	Controls & Automation (UHL System)	32,395	SF	\$3.00	\$97,185	
23 00 00	Subcontractor O.H. & P	15%	LS	n/a	\$87,197	
<b>Total HVAC Systems</b>					<b>\$668,512</b>	
Electrical		Quantity:	Unit	Unit Price:	Amount:	Notes:
26 00 00	Electrical Demolition	32,395	SF	\$1.00	\$32,395	
26 00 00	Power Distribution - Duplex	183	EA	\$175.00	\$32,025	
26 00 00	Power Distribution - Double Duplex	14	EA	\$225.00	\$3,150	
26 00 00	Power Distribution - Floor Monument	2	EA	\$2,500.00	\$5,000	
26 00 00	Voice/Data Conduit & Back-Boxes	109	EA	\$150.00	\$16,350	
26 00 00	Security System Conduit & Back-Boxes	1	LOT	\$5,000.00	\$5,000	
26 00 00	LED Light Fixture Package - Furnish & Install w/Controls	32,395	SF	\$7.00	\$226,765	
26 00 00	Emergency Lighting	32,395	SF	\$0.50	\$16,198	
26 00 00	Power Mechanical Equipment	32,395	SF	\$0.35	\$11,338	
26 00 00	Subcontractor O.H. & P	15%	LS	n/a	\$52,233	
<b>Total Electrical Systems</b>					<b>\$400,454</b>	
Communications		Quantity:	Unit	Unit Price:	Amount:	Notes:
27 00 00	Voice/Data Cabling	32,395	SF	\$1.50	\$48,593	Cabling & Devices Only - Hardware by Owner
27 00 00	Voice/Data Cabling - New Data Closets	1	ALLOW	\$100,000.00	\$100,000	
27 00 00	Audio/Visual Systems	32,395	SF	\$0.50	\$16,198	General Allowance
<b>Total Communications Systems</b>					<b>\$164,790</b>	
Electronic Safety and Security		Quantity:	Unit	Unit Price:	Amount:	Notes:
28 00 00	Fire Alarm Life Safety System	32,395	SF	\$1.65	\$53,452	
28 00 00	Access Control System, Security Cameras, Notification Sys.	32,395	SF	\$1.00	\$32,395	
<b>Total Electronic Safety/Security Systems</b>					<b>\$85,847</b>	