



# RICE LIBRARY BUILDING COMMITTEE September 18, 2019 6PM TOWN HALL AGENDA

- 1. Design Status and Update (Scott Simons Architects)
  - a. Schematic Design Cost Estimate
  - b. Technical Review Results
  - c. Façade color direction
- 2. Prepare for November Vote
  - a. Fact Sheet
- 3. Next Meeting

Materials (also in Drop Box):

- SD Cost Estimate
- Permitting Technical Review Notes

JOB # 2019.13	RICE LIBRAR	Y - Additions &	Renovations -	South Scheme	/ Scott Simons	Architects	7/11/2019
<u>SD</u>							
DIVISION (revised)	MTRL	EQPMT	SUB	LABOR	OTHER	TOTAL	ANALYSIS
1 General Conditions	3,400	27,500	32,500	181,975	168,745	414,120	Building Only
2 Existing Conditions			51,150			51,150	selective buidling demo included;
3 Concrete	53,910		31,750	45,350		131,010	building pad prep excluded:
4 Masonry			139,985			139,985	civil beyond 5' excluded
5 Steel	292,800	29,650	22,500	103,400		448,350	\$264.32/sf & \$4,111,540
6 Carpentry	9,295	6,875	118,805	24,750		159,725	
7 Thermal/Moisture	1		300,225			300,225	Building Pad Ready (simulated & assumed)
8 Doors/Glass			281,375			281,375	selective buidling demo included;
9 Finish	1		335,675	1		335,675	\$10/sf Add'n slab on grade building pad prep included =
10 Specialties			69,875			69,875	\$34,650 before markup & \$41,930 with markup
11 Equipment			X			0	civil beyond 5' excluded
12 Furnishings			X			0	\$267.02/sf & \$4,153,470
13 Special Construction	1		X			0	
14 Conveying Equipment			115,000			115,000	Building Project Complete
21 Fire Suppression			84,755			84,755	15,555 sf total project area =
22 Plumbing			86,415			86,415	3,465 sf Addition LL +
23 HVAC			454,285			454,285	3,555 sf Addition 1st +
26 Electrical			383,125			383,125	3,555 sf Addition 2nd +
27 Communications			see Div 26	1		0	1,660 sf Existing LL +
28 Electronic Safety/Security			see Div 26			0	1,660 sf Existing 1st +
31 Earthwork			\$\$	t.b.d. by civil eng	aineer	0	1,660 sf Existing 2nd
32 Exterior Improvements			\$\$	t.b.d. by civil end		0	exterior canopy area ignored
33 Utilities			\$\$	t.b.d. by civil eng		0	<u>\$\$ civil Divs 31-32-33 required for calcs</u>
34 Transportation			X			0	not applicable
35 Waterway/Marine			X			0	<u>nor approacio</u>
41 Material Handling			X			0	NOTES
44 Pollution Control			X			0	1. Current bid scheme presumed select invited GenCon
							2. For negotiated CM, add \$238,710 building only
SUBTOTAL	359.405	64.025	2,507,420	355.475	168.745	3.455.070	
		0.1,020	2,007,120	000,110	100,140	0,100,010	ALTERNATES
5% GenCon O&P	<u>+</u>				172,755	172,755	# 1: Additional Operable Wall
Volume Adjustment			not used	1		0	Add the Sum \$40,840
2% Complexity & Phasing			not used		69,105	69,105	
6% Contingency	++		SD cost contingen		207,305	207,305	# 2: Coiling Doors @ Stair Towers
6% Market & Inflation	inf	-1	r 2020 job start & u			207,305	Add the Sum \$14,245
Bonds & Insurance	***		for both Owner &			0	
						<u> </u>	
TOTAL	<u>359,405</u>	<u>64,025</u>	2,507,420	355,475	<u>825,215</u>	<u>\$4,111,540</u>	
TOTAL onestco.	222 M			359,405         64,025         2,507,420           222 Mountain Road, Raymond ME 04071 ~ 207.627.4099 ph/fx			

JOB #	2019.13		<b><u>RICE LIBRARY - Additions &amp; Renovations - South Scheme</u></b>	<u>SD</u>			W	ORKSHEET	s	(page 1)	
			7/11/2019	<u>(revised)</u>							
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 1 - General Conditions	0		0	0		0		
			Prorated from backups attached	3,400	27,500	32,500	181,975	168,745	414,120	414,120	414,120
				0		0	0		0		
			Div 2 - Existing Conditions	0		0	0		0		
			Selective Building Demolition	0		0	0		0		
1	ls	\$2,500	Protection of existing features to remain & dust control	0		2,500	0		2,500		
60	sf	\$2.50	Temporary weather protection	0		150	0		150		
1	ls	\$1,000	Temporary shoring & supports	0		1,000	0		1,000		
1	ls	\$3,000	General cutting & patching	0		3,000	0		3,000		
1	lvs	\$125	Lower Level exterior door & frame removal for new window & infill framed opening	0		125	0		125		
4	ea	\$75	Lower Level & 1st & 2nd exterior window removal for new door framed opening	0		300	0		300		
45	sf	\$25	Lower Level & 1st & 2nd exterior wall cut-down for new door framed opening	0		1,125	0		1,125		
1	lvs	\$75	1st Floor interior door/frame removal @ Toilet room to be removed	0		75	0		75		
100	sf		1st Floor interior partition removal @ Toilet room to be removed	0		250	0		250		
300	sf	\$15	2nd Floor removals & cuts @ steel platform stack 6' 8" a.f.f. & steel stairs	0		4,500	0		4,500		
4,500	sf allow		Existing area floor finish removal & prep for new	0		7,875	0		7,875		
450	sf allow		Existing ceiling finish removal & replacement @ hvac or electrical work	0		1,350	0		1,350		
1	fxtrs		Plumbing removal - SK Break Room -(rough remains for new) & WC-LAV Toilet (cut-cap)	0		350	0		350		
4,980	sf		HVAC demoltion	0		12,450	0		12,450		
4,980	sf allow		Electrical demolition	0		12,450	0		12,450		
.,000	ea	******	Trash chute	0		650	0		650		
2	30 cy		Cleanup & disposal	<u>0</u>		3,000	<u>0</u>		3,000	51,150	
		\$1,000	Total Div 2	0	0	51,150	0	0	51,150	01,100	51,150
				0		0	0		0		0.1,100
			Div 3 - Concrete	0		0	0		0		
	{			0		0	0		0		
			Foundations								
35	\$105	CV	Foundations Retaining foundations 85#/cv				0		3.675		
35	\$105 \$105		Retaining foundations 85#/cy	3,675		0	0		3,675 6 825		
65	\$105	су	Retaining foundations 85#/cy Frost foundations 60#/cy	3,675 6,825		0 0	0		6,825		
65 10	\$105 \$105	cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy	3,675 6,825 1,050		0 0 0	0 0		6,825 1,050		
65 10 25	\$105 \$105 \$105	cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy	3,675 6,825 1,050 2,625		0 0 0 0	0 0 0		6,825 1,050 2,625		
65 10 25 12.75	\$105 \$105 \$105 \$105 \$105	cy cy cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy	3,675 6,825 1,050 2,625 1,340		0 0 0 0 0	0 0 0 0		6,825 1,050 2,625 1,340		
65 10 25 12.75 10	\$105 \$105 \$105 \$105 \$105 \$105	cy cy cy cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy	3,675 6,825 1,050 2,625 1,340 1,050		0 0 0 0 0 0	0 0 0 0 0		6,825 1,050 2,625 1,340 1,050		
65 10 25 12.75 10 2.25	\$105 \$105 \$105 \$105 \$105 \$105 \$105	cy cy cy cy cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy	3,675 6,825 1,050 2,625 1,340 1,050 240		0 0 0 0 0 0 0 0	0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240	48.805	
65 10 25 12.75 10	\$105 \$105 \$105 \$105 \$105 \$105	cy cy cy cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor	3,675 6,825 1,050 2,625 1,340 1,050 240 0		0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 32,000		6,825 1,050 2,625 1,340 1,050 240 32,000	48,805	
65 10 25 12.75 10 2.25 cy	\$105 \$105 \$105 \$105 \$105 \$105 \$105 160	cy cy cy cy cy cy cy cy \$200	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 32,000 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0	48,805	
65 10 25 12.75 10 2.25 cy 45	\$105 \$105 \$105 \$105 \$105 \$105 \$105 160 \$110	су су су су су су су су су су су су су с	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 32,000 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950	48,805	
65 10 25 12.75 10 2.25 cy 45 5	\$105 \$105 \$105 \$105 \$105 \$105 160 \$110 \$110 \$115	cy cy cy cy cy cy cy cy cy cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 575		0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 32,000 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575	48,805	
65 10 25 12.75 10 2.25 cy 45 5 70	\$105 \$105 \$105 \$105 \$105 \$105 160 \$110 \$1110 \$115 \$110	cy cy cy cy cy cy cy cy cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy 4 1/2" on deck 6x6#8 mesh	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 575 7,700		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 32,000 0 0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575 7,700	48,805	
65 10 25 12.75 2.25 Cy 45 5 70 200	\$105 \$105 \$105 \$105 \$105 \$105 160 \$110 \$110 \$115 \$110 \$115	cy cy cy cy cy cy cy cy cy cy cy cy	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy 4 1/2" on deck 6x6#8 mesh Equipment pads	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 575 7,700 400		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 32,000 0 0 0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575 7,700 400	48,805	
65 10 25 12.75 2.25 cy 45 5 70 200 hrs	\$105 \$105 \$105 \$105 \$105 \$105 160 \$110 \$110 \$115 \$110 \$115 \$110 \$2 50	cy cy cy cy cy cy \$200 cy cy cy cy sf \$40	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy 4 1/2" on deck 6x6#8 mesh Equipment pads form material & labor	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 575 7,700 400 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 32,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575 7,700 400 2,000	48,805	
65 10 25 12.75 10 2.25 cy 45 5 70 200 hrs 1	\$105 \$105 \$105 \$105 \$105 \$105 160 \$110 \$110 \$115 \$110 \$110 \$110 \$12 \$0 60 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	cy cy cy cy cy cy \$200 cy cy cy cy sf \$40 \$1,500	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy 4 1/2" on deck 6x6#8 mesh Equipment pads form material & labor pumping	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 4,950 575 7,700 400 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 32,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575 7,700 400 2,000 1,500	48,805	
65 10 25 12.75 10 2.25 cy 45 5 70 200 hrs 1 550	\$105 \$105 \$105 \$105 \$105 \$105 \$105 \$110 \$110	cy cy cy cy cy cy cy cy cy cy cy cy sf \$40 \$1,500 \$2.25	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy 4 1/2" on deck 6x6#8 mesh Equipment pads form material & labor pumping sawcuts	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 575 7,700 400 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 32,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575 7,700 400 2,000 1,500 1,240	48,805	
65 10 25 12.75 10 2.25 cy 45 5 70 200 hrs 1 550 3,465	\$105 \$105 \$105 \$105 \$105 \$105 \$105 \$100 \$110 \$11	cy cy cy cy cy cy \$200 cy cy cy cy sf \$40 \$1,500 \$2.25 \$1.10	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy 4 1/2" on deck 6x6#8 mesh Equipment pads form material & labor gumping sawcuts finish on grade interior	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 575 7,700 400 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 32,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575 7,700 400 2,000 1,500 1,240 3,815	48,805	
65 10 25 12.75 00 2.25 cy 45 5 70 200 hrs 1 550	\$105 \$105 \$105 \$105 \$105 \$105 \$105 \$110 \$110	cy cy cy cy cy cy cy cy cy cy cy cy sf \$40 \$1,500 \$2.25	Retaining foundations 85#/cy Frost foundations 60#/cy Frost entry foundations 85#/cy Column footings 85#/cy Column piers 125#/cy Elevator pit & slab 85#/cy Interior strip footings @ cmu walls 45#/cy form material & labor Slabs 4" on grade fiber reinforced 6" frost entry 85#/cy 4 1/2" on deck 6x6#8 mesh Equipment pads form material & labor pumping sawcuts	3,675 6,825 1,050 2,625 1,340 1,050 240 0 0 4,950 575 7,700 400 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 32,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6,825 1,050 2,625 1,340 1,050 240 32,000 0 4,950 575 7,700 400 2,000 1,500 1,240	48,805	

JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			W	ORKSHEE	TS	(page 2)	
			7/11/2019	(revised)							
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 3 - (cont.)</u>	0		0	0		0		
			Stairs	0		0	0		0		
2	\$110	су	Concrete @ steel stair treads & landings	220		0	0		220		
1	ls	\$3,000	finishing	0		3,000	0		3,000	3,220	
			Reinforcements	0		0	0		0		
13,500	\$0.70	#	Rebar	9,450		0	0		9,450		
70	\$5	ea	Dowels to adjacent c.i.p. concrete	350		0	0		350		
6,765	\$0.60	sf	6x6#8 mesh	4,060		0	0		4,060		
ls	1	\$7,750	labor	0		0	7,750		7,750	21,610	
			Miscellaneous	0		0	0		0		
45	су	\$55	Barrier One concrete admixture @ slabs on grade new w/adhered flooring	0		2,475	0		2,475		
	excluded		Ardex moisture sealing system @ existing slabs on grade w/new adhered flooring	0		0	0		0		
620	\$0.45	lf	4" joint fillers	280		0	0		280		
40	\$0.65	lf	6" joint fillers	30		0	0		30		
10,230	\$0.25	sf	Burlap materials for wet curing	2,560		0	0		2,560		
2	\$13		Hardener sealer compound	30		0	0		30		
20	\$250		Anchor bolts & grout plates	5,000		0	0		5,000		
1	\$1,500		Wet stop bulbs & conmcrete form accessories	1,500		0	0		1,500		
hrs	90	\$40	labor	0		0	3.600		3,600	15,475	
			Precast Concrete	0		0	0		0		
100	sf	\$12	Exterior roof precast pads for Div 23 CH rooftop systems	0		1,200	0		1,200		
300	lf		Exterior wall or eave strip accents precast	0		9,000	0		9,000		
	wall strips		Exterior window sill precast	0		0	0		0		
1	ea	\$750	Building date panel precast	0		750	0		750	10,950	
			Total Div 3		0	31,750	<u>-</u> 45,350	0	131,010		131,010
				0		0	0		0		,
			Div 4 - Masonry	0		0	0		0		
			Unit Masonry	0		0	0		0		
	excluded		Pressure washing existing masonry	0		0	0		0		
	no work		Exterior brick @ existing to remain exposed within new or furred over w/gyp finish	0		0	0		0		
200	sf	\$15	Repoint 5% existing brick (includes repointing staging)	0		3,000	0		3,000		
200			Brick veneer type 1	0		48,750	0		48,750		
1 950	sf	φ20		ļ		27,250	0		27,250		
1,950	sf	\$25	Brick veneer type 2	0					18,300		
1,090	sf		Brick veneer type 2 8" cmu elevator shaft	0			0			1 1	
1,090 1,525	sf sf	\$12	8" cmu elevator shaft	0		18,300	0				
1,090 1,525 1,920	sf sf sf	\$12 \$12	8" cmu elevator shaft 8" cmu stair tower	0 0		18,300 23,040	0		23,040		
1,090 1,525 1,920 1	sf sf sf ea	\$12 \$12 \$750	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney	0 0 0		18,300 23,040 750	0		23,040 750		
1,090 1,525 1,920 1 15	sf sf sf ea hrs	\$12 \$12 \$750 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames	0 0 0 0		18,300 23,040 750 720	0 0 0		23,040 750 720		
1,090 1,525 1,920 1 15 40	sf sf sf ea hrs hrs	\$12 \$12 \$750 \$48 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames Labor @ cmu wall bearing plates	0 0 0 0 0		18,300 23,040 750 720 1,920	0 0 0 0		23,040 750 720 1,920		
1,090 1,525 1,920 1 15 40 150	sf sf ea hrs hrs hrs	\$12 \$12 \$750 \$48 \$48 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames Labor @ cmu wall bearing plates Labor @ galvanized (Div 5) steel lintels	0 0 0 0 0 0		18,300 23,040 750 720 1,920 7,200	0 0 0 0 0		23,040 750 720 1,920 7,200	130 085	
1,090 1,525 1,920 1 15 40	sf sf sf ea hrs hrs	\$12 \$12 \$750 \$48 \$48 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames Labor @ cmu wall bearing plates Labor @ galvanized (Div 5) steel lintels Masonry staging	0 0 0 0 0 0 0 0 0 0 0		18,300 23,040 750 720 1,920 7,200 <u>9,055</u>	0 0 0 0 0 0 0		23,040 750 720 1,920 7,200 <u>9,055</u>	139,985	130 085
1,090 1,525 1,920 1 15 40 150	sf sf ea hrs hrs hrs	\$12 \$12 \$750 \$48 \$48 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames Labor @ cmu wall bearing plates Labor @ galvanized (Div 5) steel lintels	0 0 0 0 0 0 0 0 0 0 0	0	18,300 23,040 750 720 1,920 7,200 <u>9,055</u> 139,985	0 0 0 0 0 0 0 0 0	0	23,040 750 720 1,920 7,200 <u>9,055</u> 139,985	139,985	139,985
1,090 1,525 1,920 1 15 40 150	sf sf ea hrs hrs hrs	\$12 \$12 \$750 \$48 \$48 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames Labor @ cmu wall bearing plates Labor @ galvanized (Div 5) steel lintels Masonry staging	0 0 0 0 0 0 0 0 0 0 0 0	0	18,300 23,040 750 720 1,920 7,200 <u>9,055</u> 139,985 0	0 0 0 0 0 0 0 0 0	0	23,040 750 720 1,920 7,200 <u>9,055</u> <b>139,985</b> 0	139,985	139,985
1,090 1,525 1,920 1 15 40 150	sf sf ea hrs hrs hrs	\$12 \$12 \$750 \$48 \$48 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames Labor @ cmu wall bearing plates Labor @ galvanized (Div 5) steel lintels Masonry staging	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	18,300 23,040 750 720 1,920 7,200 <u>9,055</u> 139,985 0 0	0 0 0 0 0 0 0 0 0 0	0	23,040 750 720 1,920 7,200 <u>9,055</u> <b>139,985</b> 0 0	139,985	139,985
1,090 1,525 1,920 1 15 40 150	sf sf ea hrs hrs hrs	\$12 \$12 \$750 \$48 \$48 \$48	8" cmu elevator shaft 8" cmu stair tower Chimney cap on existing chimney Labor @ HM door & elevator frames Labor @ cmu wall bearing plates Labor @ galvanized (Div 5) steel lintels Masonry staging	0 0 0 0 0 0 0 0 0 0 0 0	0	18,300 23,040 750 720 1,920 7,200 <u>9,055</u> 139,985 0	0 0 0 0 0 0 0 0 0	0	23,040 750 720 1,920 7,200 <u>9,055</u> <b>139,985</b> 0	139,985	139,985

JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			w	ORKSHEE	TS	(page 3)	
			7/11/2019	(revised)							
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 5 - Metals</u>	0		0	0		0		
			Structural Steel-Joist-Deck	0		0	0		0		
45,000	\$1.50	#	Structural steel floor framing columns & beams	67,500		0	0		67,500		
27,500	\$2.40	#	Structural steel metal floor joist framing	66,000		0	0		66,000		
6,765	\$3.25	sf	Floor 1 1/2" 18 ga galvanized deck	21,990		0	0		21,990		
18,000	\$1.50	#	Structural steel roof framing columns & beams	27,000		0	0		27,000		
5,500	\$1.40	#	Structural steel flat roof joist framing	7,700		0	0		7,700		
6,000	\$1.50	#	Structural steel metal slope roof joist framing w/eave soffit extensions	9,000		0	0		9,000		
3,830	\$2.75	sf	Roof 1 1/2" 20 ga galvanized deck	10,535		0	0		10,535		
10,000	\$1.50	#	Connections & bracing	15,000		0	0		15,000		
10,000	\$1.50	#	Roof reinforcement for reciprocating package rooftop chiller	15,000		0	0		15,000		
hrs	900	\$80	labor	0		0	72,000		72,000		
hrs	90	\$100	welding labor @ moment connections	0	Ι	0	9,000		9,000	[ ] ]	
hrs	90	\$285	equipment	0	25,650	0	0		25,650	346,375	
			Miscellaneous Metals	0		0	0		0		
1	\$10,000	floor	Central steel stairs w/integral rail systems	10,000		0	0		10,000	1	
2	\$7,500	floor	Stair tower steel stairs w/integral rail systems	15,000		0	0		15,000		
	not shown		1st floor open to below guard rails w/tempered glass insert panels	0		0	0		0	1	
20	\$125	lf	Existing front entry steps ground mount guard & hand rail systems drill & epoxy set	2,500		0	0		2,500		
	not shown		Skylight roof perimeter framing	0		0	0		0		
2,000	\$1.75	#	Operable wall support steel (includes support for Alt Add future operable wall)	3,500		0	0		3,500	1	
1,000	\$1.75		Architectural wall support steel	1,750		0	0		1,750		
1,500	\$1.75		MEP wall & ceiling support steel	2,625		0	0		2,625		
1	\$2,250		Elevator hoist beam-sump frame & grate-floor angles-pit wall ladder	2,250		0	0		2,250		
1	\$450		Roof change height ladder (mount to existing building sidewall to access new flat roof below)	450		0	0		450		
1	\$3,750		Roof access alternating tread stair	3,750		0	0		3,750		
2,000	\$2.25		Galvanized steel wall lintels (labor Div 4)	4,500		0	0		4,500		
70	\$75		Cmu wall bearing plates (labor Div 4)	5,250		0	0		5,250		
4	\$375		Bollards 6" concrete packed (allowance for civil beyond5')	1,500		0	0		1,500		
hrs	320	\$70	labor	0		0	22,400		22,400		
hrs	32	\$125	equipment	0	4,000	0	0		4,000		
50	If allow		Sun screen assemblies @ west facing new curtainwall w/integral TS frames	<u>0</u>	4,000	22,500	<u>0</u>		22,500	101,975	
00	ii allow	φ100	Total Div 5	÷	29,650	22,500	<u>∽</u> 103,400	0	448,350	101,070	448,350
				0	23,030	0	0		0		440,000
				0		0	0		0		
				0		0	0		0	<u> </u>	
				0		0	0		0	<u> </u>	
				0		0	0		0	<u> </u>	
				0	+	0	0		0		
				0		0	0		0	<u> </u>	
				0	+	0	0		0		
				0		0	0	1	0		
				0		0	0		0		
				0		0	0		0		
		*****		0		0	0		0		
3										v 1	

JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			w	ORKSHEE	TS	(page 4)	
			7/11/2019	(revised)							
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 6 - Carpentry	0		0	0		0		
			Rough Carpentry	0		0	0		0		
1,500	\$1.10	bf	Roof flat perimeter PT block-cant-curb-change height	1,650		0	0		1,650		
800	\$0.75	bf	Roof slope perimeter block-cant	600		0	0		600		
6,750	\$0.75	bf	Door & window header-block-shim	5,065		0	0		5,065		
1,500	\$0.70	bf	In wall & survace mounted blocking	1,050		0	0		1,050		
4	\$45	shts	Electrical panel & telephone backer boards	180		0	0		180		
1	\$750	ls	Hardware	750		0	0		750		
hrs	550	\$45	labor	0		0	24,750		24,750		
hrs	55	\$125	equipment	0	6,875	0	0		6,875	40,920	
			Repairs	0		0	0		0		
1	Is allow	\$1,000	Existing LL octagon column wood repairs	0		1,000	0		1,000	1,000	
			Finish Carpentry	0		0	0		0		
			<u>Interior</u>	0		0	0		0		
225		\$25	Window sill & stoop wood	0		5,625	0		5,625		
1,250	lf	\$10	Window & cased openings interior header & jamb trim surrounds	0		12,500	0		12,500		
1,000	If allow	\$12	Wall base wood	0		12,000	0		12,000		
800	sf allow	\$25	Wall wood wainscot & trim	0		20,000	0	]	20,000		
100	sf	\$15	FRP panel & trim Janitorial & Kitchen wet wall to 48" a.f.f.	0		1,500	0		1,500		
1	Is allow	\$8,000	Repair & finish allowance @ existing Library interior wood finishes	0		8,000	0		8,000		
1			<u>Exterior</u>	0		0	0		0		
180	lf	\$20	Sope roof eave & gable PVC trims (flat roof Div 7 eave trim & Div 3 precast banding)	0		3,600	0		3,600	63,225	
Í			Architectural Woodwork	0		0	0	1	0		
60	lf	\$30	Utility & Storage LL rooms wall shelving allowance	0		1,800	0		1,800		
8	lf	\$200	Toilet LL lavatory countertop solid surface w/integral bowls	0		1,600	0	1	1,600		
13	lf	\$325	Maker Space base cabinet w/solid surface countertop	0		4,225	0		4,225		
13	lf	\$135	Maker Space wall cabinet	0		1,755	0		1,755		
23	lf	\$400	Circulation 1st base cabinet ADA accessible w/solid surface countertop	0		9,200	0		9,200		
0	wner FFE		POP & Main Collection 1st stacks double sided	0		0	0		0		
26	lf	\$150	Main Collection 1st wall mounted book shelving to 36" a.f.f.	0		3,900	0		3,900		
r	not shown		Main Collection 1st wall mounted computer workstations plam	0		0	0		0		
0	wner FFE		POP 1st exterior wall book drop	0		0	0		0		
34	lf	\$300	Commons existing 1st stacks double sided	0		10,200	0		10,200		
20	ls	\$200	Commons existing computer stations	0		4,000	0		4,000		
1	Is allow	\$2,000	Reference Desk existing 1st stone counter used for circulation desk	0		2,000	0	1	2,000		
r	not shown		Copy Room existing 1st base cabinet wplam countertop @ Reference Desk area	0		0	0		0		
4	lf		Children 2nd base cabinet w/solid surfface countertop	0	T	1,300	0		1,300		
24	lf	\$400	Children 2nd circulation ADA base cabinet w/solid surface countertop	0		9,600	0	1	9,600		
O	wner FFE	ĺ	Children & Young Adult 2nd stacks double sided	0		0	0		0		
1	Is allow	\$5,000	Uundesigned architectural woodwork additional allowance	<u>0</u>	1	<u>5,000</u>	<u>0</u>	ľ	<u>5.000</u>	54,580	*******
İ			Total Div 6	9,295	6,875	118,805	24,750	0	159,725		159,725
				0		0	0		0		
i				0		0	0		0		
				0		0	0	1	0		
				0		0	0	1	0		
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JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			W	ORKSHEE	TS	(page 5)	
			7/11/2019	<u>(revised)</u>							
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 7 - Thermal &amp; Moisture</u>	0		0	0		0		
		<b>•</b> ·	Water Proofing & Damp Proofing	0		0	0		0		
250	sf		Water proof cementitious spray elevator pit & slab	0		1,125	0		1,125		
800	sf		Water proof membrane & protection board exterior retaining warm foundation walls	0		4,400	0		4,400		
65	sf		Water proof new c.i.p. frost entry alcove vestibule area above Maker Space below	0		975	0		975		
7	ea		Damp proof below grade steel columns	0		245	0		245		
750	sf	\$2.50	Damp proof bituminous asphalt mastic exterior frsot depth foundation walls typical	0		1,875	0		1,875	8,620	
			Insulation & Barriers	0		0	0		0		
1,535	sf		2" rigid extruded polystyrene insulation foundations	0		2,840	0		2,840		
3,465	sf		2" rigid extruded polystyrene under slab insulation	0		6,415	0		6,415		
6,535	sf		6" exterior wall mineral wool denspak insulation	0		11,440	0		11,440		
3,040	sf		4" rigid extruded polystyrene wall insulation (brick veneer elevations only)	0		9,880	0		9,880		
2,000	sf		2" rigid polyisocynurate slope roof insulation w/metal furring channels	0		6,500	0		6,500		
2,000	sf		6" SIPS panels slope roof nailboard (on polyisocyenurate insul above 2" rigid & channels)	0		6,000	0		6,000		
1,830	sf		8" (2-4" layers) rigid polyisocyenurate flat roof insulation	0		8,695	0		8,695		
4,800	sf		6" interior metal stud acoustic batts	0		7,920	0		7,920		
1	ls	\$2,500	Insulation foam ends & fillers	0		2,500	0		2,500		
6,535	sf	\$3	Peel & stick exterior wall air membrane	0		19,605	0		19,605	ļ	
3,465	sf	\$0.75	15 mil reinforced under slab VB	0		2,600	0		2,600	84,395	
			Membrane Roofing	0		0	0		0		
40	sf	\$2.50	EPDM black 60 mil roof membrane @ uninsulated canopy roof	0		100	0		100		
2,005	sf	\$2.50	EPDM black 60 mil roof membrane @ insulated roof	0		5,015	0		5,015		
2,005	sf	\$1.25	1/2" protection baord	0		2,510	0		2,510		
2,005	sf ave	\$3.50	Tapers & crickets	0		7,020	0		7,020		
1	set	\$2,500	Roof hatch w/ladder & fall protection guard rails	0		2,500	0		2,500		
150	sf	\$10	Roof walkway pads	0		1,500	0		1,500		
210	lf	\$20	Change height flashings	0		4,200	0		4,200		
200	lf	\$20	Eave perimeter trims & drips-flashings	0		4,000	0		4,000		
1	ls	\$5,000	Project general sheet metal flashings	0		5,000	0		5,000	31,845	
			Metal Roofing	0		0	0		0		
1,825	sf	\$10	Architectural 22 ga kynar finish standing seam roof & trims	0		18,250	0		18,250		
1,825	sf	\$1.50	100% ice & water shield underlayment	0		2,740	0		2,740	1	
160	sf	\$75.00	Integral gutter assembly roof perimeter	0		12,000	0		12,000		
185	sf	\$10	Sope roof eave overhang soffit & trims	0		1,850	0		1,850	34,840	
			Metal Wall Panels	0		0	0		0		
300	sf	\$50	Concealed fastener 24 ga 4" insulated copper wall panel & trims on metal furring	0		15,000	0		15,000		
2,340	sf		Concealed fastener 24 ga 4" insulated metal wall panel & trims on metal furring	0		58,500	0		58,500	1	
115	sf		Canopy roof overhang soffit & trims	0		1,150	0		1,150	74,650	
			Fire Proofing	0		0	0		0		
10,575	sf floor	\$5	Structural steel fire proofing (deck excluded)	0		52,875	0		52,875	52,875	
			Fire Stopping & Sealants	0		0	0		0		
1	ls	\$3,000	Project fire stop	0		3,000	0		3,000	İ	
1	ls		Project caulk & seal	<u>0</u>		10,000	0		10,000	13,000	
			Total Div 7	0	0	300,225	0	0	300,225		300,225
				0		0	0		0	1	

JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			W	ORKSHEE	тѕ	(page 6)	
			7/11/2019	<u>(revised)</u>							
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 8 - Doors & Glass	0		0	0		0		
			Doors & Hardware	0		0	0		0		
1	lvs	\$2,500	HM door leaf galv exterior & HM frame galv Stairs 1st w/panic hardware-kickplate-closer	0		2,500	0		2,500		
3	lvs	\$1,850	HM door leaf interior & HM frame Storage-Utilit-Jan LL w/lockset-kickplte-closer	0		5,550	0		5,550		
5	lvs	\$2,050	HM door leaf interior & HM frame Stairs 2nd & 1st & LL w/panic hardware-kickplate-closer	0		10,250	0		10,250		
11	lvs	\$1,625	Wood s.c. door leaf interior & HM frame typical u.n.o. w/lockset-kickplate-closer	0		17,875	0		17,875		
4	lvs	\$1,500	Wood s.c. pocket door leaf interior & HM frame typical u.n.o. w/lockset-kickplate	0		6,000	0		6,000		
2	lvs	\$1,475	Wood s.c. door leaf interior & HM frame Gang Toilets w/push pull set-kickplate-closer	0		2,950	0		2,950		
4	lvs	\$1,375	Wood s.c. door leaf interior & HM frame Single Toilets w/privacy set-closer	0		5,500	0		5,500		
4	lvs	\$1,150	Wood s.c. closet door leaf interior & HM frame w/locking trim	0		4,600	0		4,600		
1	lvs	\$2,500	Wood stile & rail door leaf interior & wood frame exist to Add'n w/passage set-kckplate-closer	0		2,500	0	1	2,500		
1	ls	\$2,500	Undesigned new door hardware add	0		2,500	0		2,500		
1	set		ADA pushpaddle entry system	0		2,250	0		2,250		
1	set		Employee keycode security entry system	0		3,500	0		3,500		
4	lvs allow		ADA hardware upgrades to existing door leaves	0		2.000	0		2.000		
50	sf		Door leaf tempered glass panel inserts	0		4,250	0		4,250		
225	sf		HM frame door tempered glass sidelites	0		19,125	0		19,125		
5	lvs		Fire rated door leaf add	0		750	0		750		
25	sf		Fire rated glazing @ HM sidelite add	0		1,875	0		1,875		
1	ls		Access panels MEP	0		500	0		500	94,475	
<u>`</u>	13	φουυ	Coiling Doors	0		0	0		0		
	Alt Add		Coiling OHD aluminum 1st Stair 4' x 8' electric operator fire rated & fusible link	0		0	0		0		
	Alt Add		Coiling OHD aluminum 1st Star 4 x 8 electric operator fire rated & fusible link	0		0	0		0	0	
			Coming OFD aluminium 210 Star 6 x 8 electric operator me rated & usible mix Storefronts	0		0	0		0	0	
1	lvs	¢0 500	Community LL exterior storefront entry door & frame w/panic hardware-closer	0		2,500	0		2,500		
2				0		·····	0				
2	lvs		Lobby to Vest LL exterior storefront entry door & frame w/pushbar-closer	0		5,000	0		5,000		
	lvs		Lobby to Vest LL interior storefront entry door & frame w/pushbar-closer	}		4,000	0		4,000		
2	lvs		Vestibule 1st exterior storefront entry door & frame w/panic hardware-closer	0		5,000			5,000		
	lvs		Vestibule 1st interior storefront entry door & frame w/panic hardware-closer	}		4,000	0		4,000		
80	sf		Vestibule 1st interior glass wall enclosure-sidelites-transoms	0		6,400	0		6,400		
80	sf	·····	Exterior storefront door sidelite-transom	0		6,800	0		6,800		
760	sf	\$90	Exterior wall storefront glazing systems	0		68,400	0		68,400	102,100	
			Windows	0		0	0		0		
1,190	sf		Aluminum clad wood factory finished insulated exterior windows	0		83,300	0		83,300		
30	sf	\$50	Interior borrowed light butt glazed 2nd Child Service Work	0		1,500	0		1,500	84,800	
			Skylights	0		0	0		0		
r	not shown		Sloped aluminum clad wood factory finished roof windows	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>	0	
			Total Div 8	0	0	281,375	0	0	281,375		281,375
				0		0	0		0		
				0		0	0		0		
				0		0	0		0		
				0		0	0	ļ	0		
				0		0	0		0		
				0		0	0		0		
	1			0	1	0	0	1	0		

JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			w	ORKSHEE	TS	(page 7)	
			7/11/2019	(revised)							
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 9 - Finishes</u>	0		0	0		0		
			Drywall	0		0	0		0		
4,635	sf	\$8.25	6" exterior metal stud 16 ga & 5/8" glasswal 1.s. & 5/8" drywsall 1.s.	0		38,240	0		38,240		
5,760	sf	\$7.25	6" interior metal stud 20 ga & 5/8" drywall 2.s.	0		41,760	0		41,760		
6" de	efault wall	size	3 5/8" interior 20 ga metal stud renovation LL walls & 5/8" gyp 2.s.	0		0	0		0		
410	sf	\$4.25	3 5/8" interior 20 ga metal stud chase walls & 5/8" gyp 1.s.	0		1,745	0		1,745		
1,920	sf	\$3.25	5/8" drywall on furring @ cmu & concrete walls requiring interior finish	0		6,240	0		6,240		
	not used		5/8" drywall on furring @ existing brick veneer walls requiring interior finish	0		0	0		0		
r	not shown		Skylight downlite gyp & framing	0		0	0		0		
2,230	sf	\$0.25	Drywall MR board add	0		560	0		560		
2,030	sf	\$2	Drywall abuse resistant board add @ LL Lobby & Elevator Vestibule & Corridor	0		4,060	0		4,060		
220	sf	\$3.75	Drywall ceilings suspended or furred LL Utility & Storage(s)	0		825	0		825		
1	Is allow	\$7,500	Plaster patching @ existing Library (includes MEP related)	0		7,500	0		7,500	100,930	
			Flooring	0		0	0		0		
525	sf	\$13.00	Porcelain tile w/tile base LL Lobby & Vestibule	0	1	6,825	0		6,825		
165	sf	\$6.00	Marmoleum w/rubber base LL Storage(s)	0		990	0	1	990		
55	sf		Concrete sealed LL Utility	0		45	0		45		
8,350	sf		Carpet tile (Div 6 wood base) LL-1st-2nd typical u.n.o.	0		45,925	0		45,925		
615	sf		Ceramic tile w/tile base Gang & Single Toilets	0		7,995	0		7,995		
260	sf		Ceramic tile wainscot to 48" a.f.f. @ wet walls Single & Gang Toilets	0		3,900	0		3,900		
425	sf		Rubber tread-riser-landing Stairs typical	0		10,625	0		10,625		
50	sf	·····	Rolloff carpet mats LL Community storefront entries	0		750	0		750		
55	sf		Fully recessed frame & link grid mat 1st Vestibule	0		3,025	0		3,025		
4,500	sf allow		Flooring renovations @ existing Library	0		29,250	0		29,250	109,330	
.,			Acousticals	0		0	0		0	,	
10,135	sf	\$5.50	2 x 2 tegular edge SAT typical u.n.o.	0		55,745	0		55,745		
	excluded		2 x 4 square edge SAT	0		0	0		0		
615	sf add		Mylar face add to SAT Toilets	0		615	0		615		
750	sf allow		Suspended clioud construction	0		18,750	0		18,750		
350	sfallow		Fabric faced acoustical wall panels	0		7,000	0		7,000	82,110	
	or anon	¢20.00	Painting	+		0	0		0	02,110	
15,550	sf	\$1	Drywall (new)	0		15,550	0		15,550		
35	lvs		Doors & frames (new)	0		3,500	0		3,500		
180	sf equiv		Exterior PVC roof trims (sloped new)	0		270	0		270		
3,275	sf		Interior wood finishes (new)	0		5,735	0		5,735		
2,000	sf		Interior cmu requiring painted finish w/filler coat (stair tower interior)	0		3,300	0		3,300		
2,000	ls		Misc metals & exposed pipe & duct	0		2,500	0	1	2,500	1	
4,980	sf floor		Existing Library wood-drywall-doors & frames	0		12,450	0	<u> </u>	<u>12,450</u>	43,305	
.,000	01 11001	¢2.00	Total Div 9	÷	0	335,675	0	0	335,675		335,675
				0	<u> </u>	0	0	† – Ť	0		220,010
+				0		0	0		0		
				0		0	0	1	0		
				0		0	0	1	0		
				0		0	0		0		
				0		0	0		0		
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JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			W	WORKSHEETS			
			7/11/2019	(revised)							
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 10 - Specialties</u>	0		0	0		0		
			Accessories	s 0		0	0		0		
1	ls	\$4,650	Toilet accessories-grab bars-mirrors	0		4,650	0		4,650		
6	ea	\$450	Baby change stations	0		2,700	0		2,700		
3	ea		Toilet partitions phenolic	0		3,600	0		3,600		
1	ea	\$900	Urinal partitions phenolic	0		900	0		900		
92	٧f	\$25	Corner guards heavy duty vinyl	0		2,300	0		2,300		
3	ea	\$375	Fire extinguisher w/semiflush wall cabinet	0		1,125	0		1,125		
1	ea	\$125	Fire extinguisher wall mount	0		125	0		125		
1	ls	\$1,500	Signage interior ADA & directional	0		1,500	0		1,500		
	excluded		Signage exterior building mounted	0		0	0		0		
0	wner FFE		Interior wayfinding & graphics	0		0	0		0		
1	Is allow	\$3,000	Mark & tack boards	0		3,000	0		3,000		
1	Is allow	\$750	Bulletin boards & building directory	0		750	0		750		
1	ea	\$3,500	Projection screens electric 10' width	0		3,500	0		3,500		
1	ea	\$275	Projector ceiling mounts	0		275	0		275		
see D	0iv 5 sunscr	eens	Window treatment electrical operated	0		0	0		0		
1,170	sf	\$10	Window treatment t.b.d. manual Office-Hist-Arch-Meet-Break-Collect-Study-Game	0		11,700	0		11,700		
270	sf	\$125	Operable walls STC 55 minimum rating	<u>0</u>		<u>33,750</u>	<u>0</u>		<u>33,750</u>	69,875	
			Total Div 1	0 0	0	69,875	0	0	69,875		69,875
				0		0	0		0	11	
			Div 14 - Conveying Systems	0		0	0		0		
			Elevators	s O		0	0		0		
1	ea	\$115,000	Elevator 2 door 5 stop 2500#	<u>0</u>		115,000	<u>0</u>	1	115,000	115,000	
			Total Div 1	4 0	0	115,000	0	0	115,000		115,000
				0		0	0		0		
			Div 21 - Fire Protection	0		0	0		0		
			Sprinklers	s O		0	0		0		
			Existing	0		0	0		0	1	
1	ls	\$5.000	Incidental cutting & patching (also see Div 9 plaster patching)	0		5,000	0		5,000		
	engineer		Sprinkler water line new or upgrade	0		0	0		0		
	excluded		Fire pump & storage tank	0		0	0		0		
4,980	sf allow		Wet system upgrade or new install renovations	0		29,880	0		29,880		
.,	excluded		Pre-action chemical library system renovated add	0		0	0		0		
			New	0		0	0		0		
1	ls	\$12.500	Building entry & backflow	0	1	12,500	0	1	12,500		
10,575	sf	~~~~~~	Wet system new interior	0	1	37,015	0		37,015	1	
65	sf		Dry system new exterior 1st Vestibule entry canopy	0	1	360	0	1	360		
	excluded		Pre-action chemical library system new add	0		0	0	1	<u>0</u>	84,755	
	5		Total Div 2		0	<u>s</u> 84,755	0	0	<u>v</u> 84,755	0.,700	84,755
				0	-	0	0		0		,. 50
				0		0	0	1	0		
				0	1	0	0		0		
				0	1	0	0		0		
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			222 Mountain Road, Raymond ME 04071 ~ 207.627.4099 ph/fx	+			Å	1	Construction (	1	

JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			w	ORKSHEE	rs	(page 9)	
			7/11/2019	<u>(revised)</u>			1				
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 22 - Plumbing	0		0	0		0		
			Plumbing	0		0	0		0		
			Existing	0		0	0		0		
1	ls	\$250	Incidental cutting & patching	0		250	0		250		
1	fxtr	\$1,250	SK stainless steel single bown & 8" ADA wrist fitting w/rough renovated (re-use rough)	0		1,250	0		1,250		
			New	0		0	0		0		
4	fxtr	\$1,750	WC floor mount & flush valve w/rough Single Toilets	0		7,000	0		7,000		
3	fxtr	\$2,000	WC wall mount chair carrier & flush valve w/rough Gang Toilets	0		6,000	0		6,000		
1	fxtr	\$2,000	UR wall mount chair carrier & flush valve w/rough	0		2,000	0		2,000		
4	fxtr	\$2,250	LAV wall mount chair carrier& infrared fitting w/rough Single Toilets	0		9,000	0		9,000		
2	fxtr	\$1,750	LAV countertop infrared fitting (only - integral countertop Div 6) w/rough Gang Toilet	0		3,500	0		3,500		
1	fxtr		SK stainless steel double bown & 8" ADA wrist fitting w/rough Break LL	0		2,000	0		2,000		
1	fxtr		SK stainless steel single bown & 8" ADA wrist fitting w/rough Maker LL	0		1,750	0		1,750		
1	fxtr	\$1,750	SK stainless steel single bown & 8" ADA wrist fitting w/rough renovated (re-use rough)	0		1,750	0		1,750		
1	fxtr	\$1,500	JAN floor sink & mopstrip & bucket fitting w/rough (not shown)	0		1,500	0		1,500		
3	fxtr	\$1,650	DF duyal height ADA chilled water (not shown)	0		4,950	0		4,950		
1	ea	\$4,000	WH 40 gallon electric high recovery w/circulation pump complete	0		4,000	0		4,000		
3	ea		HB exterior frostproof sillcocks	0		1,125	0		1,125		
2	ea	\$200	HB interior washdown	0		400	0		400		
2	ea	\$825	FD nickel bronze top w/strainer Gang Toilets	0		1,650	0		1,650		
2	ea	\$650	FD cast iron top w/strainer Utility & Janitorial	0		1,300	0		1,300		
3	ea		RD roof drains w/overflows	0		3,450	0		3,450		
1	ls	\$5,600	RD manifold piping	0		5,600	0		5,600		
1	ea		SP elevator sump pump	0		1,500	0		1,500		
civil	engineer		Domestic water line to building	0		0	0		0		
	engineer		Sanitary sewer line to building	0		0	0		0		
10,575	sf	\$2.50	Plumbing infrastructure including building entry & backflow	<u>0</u>		26,440	<u>0</u>		26,440	86,415	
			Total Div 22	\$	0	86,415	0	0	86,415		86,415
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JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			w	ORKSHEE	TS	(page 10)	
			7/11/2019	<u>(revised)</u>							
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 23 - HVAC</u>	0		0	0		0		
			HVAC	0		0	0		0		
			Existing	0		0	0		0		
1	ls	\$5,000	Incidental cutting & patching	0		5,000	0		5,000		
1	ls	\$5,000	Boiler existing retrofit for new FC fan coils	0		5,000	0		5,000		
5	tons	\$3,250	CH-1 prorata roof top water chiller reverse ctycle system @ existing Library for FC	0		16,250	0		16,250		
6.50	tons	\$2,000	CH-2 prorata roof top air cooled system @ existing Library tom supplement water chiller	0		13,000	0		13,000		
4,980	sf	\$5	FC added @ existing Library for cooling	0		24,900	0		24,900		
4,980	sf	\$4	Ductwork-insulation-grilles-registers for FC (minimals)	0		19,920	0		19,920		
500	cfm	\$10	ERV system added to existing	0		5,000	0		5,000		
4,980	sf	\$4	Ductwork-insulation-grilles-registers for ERV (minimals)	0		19,920	0		19,920		
4,980	sf	\$5	HVAC infrastructure & piping upgrades for FC & ERV	0		24,900	0	1	24,900	ĺ	
4,980	sf		Controls adjustment & upgrade	0		19,920	0		19,920	l	
			New (no hvac redesign for South scheme, re-use North scheme layouts as similar)	0		0	0		0		
10	ea	\$3,250	CH-1 prorata roof top water chiller reverse cycle system @ existing Library for FC	0		32,500	0		32,500	1	
13.50	ea		CH-2 prorata roof top air cooled system @ existing Library tom supplement water chiller	0		27,000	0		27,000	1	
3,720	sf		FC systems	0		18,600	0		18,600		
4,350	sf		RC radiant ceiling panels w/cooling capacity	0		21,750	0		21,750		
1,000	sf		RC radiant ceiling panels heating only	0		5,000	0		5,000		*****
1,500	sf		UV unit ventilators w/ERV integral	0		7,500	0		7,500		
5,220	sf		Ductwork-insulation-grilles-registers for UV w/ERV & FC	0		52,200	0		52,200		
1,500	cfm		ERV separate system	0		15,000	0		15,000		
575	sf		Ductwork-insulation-grilles-registers for ERV separate	0		5,750	0		5,750		
1	ea		CUH 1st Main Vestibule	0		2,500	0	1	2,500		
1	ea		CUH 1st Stair egress	0		2,500	0		2,500		
10,575	sf		HVAC infrastructure & piping upgrades for FC-RC-UV & ERV	0		52,875	0		52,875		
10,575	sf		Controls w/GUI system	0		42.300	0		42,300		
10,073	ls		Testing & balancing renovations 7 new	0		15,000	0		15,000		
'	Owner	\$13,000	Commissioning	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>	454,285	
	Owner		Commissioning	0	0	<u>-</u> 454,285	0	0	<u>⊻</u> 454,285	+04,200	454,285
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JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			w	ORKSHEE	тs	(page 11)	
			7/11/2019	<u>(revised)</u>							
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Divs 26-27-28 - Electrical-Technology-Security	0		0	0		0		
			Site Electrical	0		0	0		0		
1	Is allow	\$10,000	CMP excess utility fee	0		10,000	0		10,000		
50	If allow	\$135	Primary u.g. conduiit (wiring by utility)	0		6,750	0		6,750		
1	ea	\$3,000	Transformer concrete pad	0		3,000	0		3,000		
20	If allow	\$75	Secondary u.g. conduit & wiring	0		1,500	0		1,500		
70	If allow	\$100	Telecomdata u.g. conduit & wire w/service transfers as required	0		7,000	0		7,000		
civil	engineer		Exterior parking light standards w/concrete bases & u.g. conduit & wire	0		0	0		0	28,250	
			Building Electrical	0		0	0		0		
			<u>Existing</u>	0		0	0		0		
1	ls	\$2,500	Incidental cutting & patching	0		2,500	0		2,500		
1	Is allow	\$20,000	Upgrade existing MDP	0		20,000	0		20,000		
1,000	sf allow		Replace existing light fixture w/upgraded LED as required (minimal expected)	0	[	4,000	0		4,000		
	excluded	·····	Occupancy sensing spliced in as required	0		0	0		0		
4,980	sf	\$1.25	Teelecomdata system upgrades (minimals)	0		6,225	0		6,225		
4,980	sf		Fire alarm system provide new complete entire project	0		12,450	0		12,450	1	
Owr	ner vendor		Security cameras exterior weatherproof	0		0	0		0		
Owr	ner vendor		Security cameras interior	0		0	0		0		
Owr	ner vendor		Security monitoring	0		0	0		0		
4,980	sf	\$2	Electrical infrastructure	0		9,960	0		9,960		
			New	0		0	0		0		******
10,575	sf	\$5	Power & distribution (includes new building MDP)	0		52,875	0		52,875		
10,575	sf		Lighting LED & wiring	0		105,750	0		105,750		
15	rooms		Occupancy sensing spliced in as required	0		7,500	0		7,500		
10,575	sf		Light harvesting	0		15,865	0		15,865		
7	ea		Exterior building mounted or soffit mounted lighting	0		7,000	0		7,000		
10,575	sf		Telecomdata conduits & wiring (minimals)	0		18,510	0		18,510		
10,575	sf		Fire alarm w/egress lights-battery paks-horns & strobes	0		15,865	0		15,865		
	excluded		Emergency generator	0		0	0		0	1	
	ner vendor		Security cameras exterior weatherproof	0		0	0		0		
	ner vendor		Security cameras interior	0		0	0		0		
	ner vendor		Security monitoring	0		0	0		0		******
1	ls	\$20,000	HVAC & elevator equipment wiring	0		20.000	0		20,000		
10,575	sf		Electrical infrastructure	0		52,875	0		52,875		
1	ls		Temporary power & wiring & lamping	<u>0</u>		<u>3,500</u>	<u>0</u>		<u>3,500</u>	354,875	
		\$0,000	Total Divs 26-27-28	0	0	383,125	0	0	383,125	00 1107 0	383,125
				0		0	0		0	1	0000,120
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JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			w	ORKSHEE	(page 12)		
			7/11/2019	(revised)							
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 31 - Earthwork</u>	0		0	0		0		
			Site Prep	0		0	0		0	ļ	
civil	engineer		Supervision	0		0	0		0		
civil	engineer		Safety	0		0	0		0		
	engineer		Temporary fencing	0		0	0		0		
civil	engineer		Snow fence open excavations	0		0	0		0		
	engineer		Traffic & pedestrian control	0		0	0		0		
civil	engineer		Signage & barriers	0		0	0		0		
civil	engineer		Police details	0		0	0		0		
civil	engineer		Erosion control	0		0	0		0		
civil	engineer		Dust control	0		0	0		0		
civil	engineer		Protection of existing to remain	0		0	0	ļ	0	Į	
civil	engineer		Site demolition pavement-landscaping-hardscape-curbs	0		0	0		0		
civil	engineer		Loam & seed strip & stockpile	0		0	0		0		
civil	engineer		Ledge (excluded)	0		0	0		0		
civil	engineer		Unsuitable soils (excluded)	0		0	0		0		
civil	engineer		Site cuts & fills (includes structural fills as required)	0		0	0		0		
civil	engineer		Site gravles for roads & walkways	0		0	0		0		
civil	engineer		Utility beyond 5' excavation & backfill	0		0	0		0		
civil	engineer		Haul excess materials	0		0	0		0	0	
			Building Pad Prep	0		0	0		0		
civil	engineer		Sheet piling	0		0	0		0	İ	
civil	engineer		Undermining protection	0		0	0		0		
civil	engineer		Excavation for structure	0		0	0	1	0	İ	
~~~~~	engineer		Granular backfill for structure	0		0	0		0	11	
	engineer		12", gravel or stone subslab	0		0	0		0	1	
	engineer		Radon venting pipie & gravity vent	0		0	0		0	1	
	engineer		Foundation drains	0		0	0		0		
	engineer		Excavation & backfill interior utilities	0		0	0		0	1	
	engineer		Fine grade for slabs	0		0	0		0		
	engineer		Haul excess materials	0		0	0		0	0	
			Total Div 31	0	0	0	0	0	0		0
				0		0	0		0		
			Div 32 - Exterior Imrplovements	0		0	0		0		
			Site Finishes	0		0	0		0		
civil	engineer		Paving-walkways-curbing-seating-flagpoles-dunmpster areas-fencing et al	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>	0	
			Total Div 32	0	0	0	0	0	<u> </u>	, , , , , , , , , , , , , , , , , , ,	0
				0		0	0	-	0		-
			Div 33 - Utilities	0		0	0		0		
			Site utilities	0	1	0	0	1	0		
civil	engineer		Water-sewer-storm-gas et al	0		0	0		0		
	engineer		Site light standards w/concrete bases & conduit-wiring	0		0	0		0		
GIVII	Signeer		Site electrical also see Divs 26-27-28	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>	0	
			Total Div 33	0	0	0	0	0	<u>        0</u>	U	0
			I Ota I DIV 33	0	U	0	0	U	<b>U</b> 0		U
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JOB #	2019.13		RICE LIBRARY - Additions & Renovations - South Scheme	<u>SD</u>			WORKSHEETS			(page 13)	
			7/11/2019	<u>(revised)</u>			ļ				
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			ALTERNATES	0		0	0		0		
			# 1: Additional Operable Wall	0		0	0		0		
270	Base Bid		Structural supports for future additional oeprable wall	0		0	0		0		
270	sf	\$125	Operable walls STC 55 minimum rating	<u>0</u> 0	0	<u>33.750</u>	<u>0</u> 0	0	<u>33,750</u>		
		21%	SubTotals Markups	}	0	33,750 <u>7,090</u>	<u>0</u>	0	33,750 <u>7,090</u>		
		2170	TOTALS	0	0	40,840	<u>0</u>	0	40,840		\$40,840
				0	U	<b>40,840</b> 0	0	U	<b>40,840</b> 0		<u>\$40,840</u>
			#2: Coiling Doors @ Stair Towers	0		0	0		0		
1	ea	\$5,700	Coiling OHD aluminum 1st Stair 4' x 8' electric operator fire rated & fusible link	0		5,700	0		5,700		
1	ea		Coiling OHD aluminum 2nd Stair 6' x 8' electric operator fire rated & fusible link	0		7,500	0		7,500		
-80	tt-		Stair cmu wall opening for coiling doors - painted 1.s & drywall furred painted 1.s.	<u>0</u>		<u>-1,430</u>	0		<u>-1,430</u>		
-00	31	φ17.30	Stall child wall openling for coning doors - painted 1.5 & drywall fulled painted 1.5.	\$	0	<u>-1,430</u> 11,770	0	0	<u>-1,430</u> 11,770		
		21%	Markups	÷		<u>2,475</u>	<u>0</u>		<u>2,475</u>		
			TOTALS	0	0	14,245	0	0	14,245		<u>\$14,245</u>
				0		0	0		0		<u></u>
Alternate N	Markups =	0% Div 1 (no	change) + 5% GenCon 0&P + 2% Phasing + 6% SD Cost Contingency + 6% Inflation & Uncertain Ma	£	6 Bonds &	Insurance = 2	21%				
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				0		0	0		0		
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JOB #	2019.13	<u> </u>	RICE LIBRA	RY - Addition	s & Renov	ations - <mark>Sou</mark>	Ith Scheme	<u>SD</u>	<u>7/11/2019</u>	
	page 1							(revised)		
				Div 1: 0	eneral Co	nditions				
Section	Description	Quantity/Unit	MTRL	EQPMNT	SUB	LABOR	OTHER	TOTAL	NOTES	
Section	Description	Quantity/Offic	MIINE		300	LADON	UTILK	IUIAL	NOTES	
600	Perf/Pay Bond	Consol sht						0		
	Bldr's Risk	Owner				existi	ng fire policy	0		
	Building Permits	excluded				-f	n waived fee	0		
1020	Allowances							0		
	Travel & Lodging	allowance						0		
1030	Project Manager	45wk/\$925		1/2 time		41,625	12,490	54,115		
	Supervision/FT	45wk/\$925		1/2 time		41,625	12,490	54,115		
	Super/Working	45wk/\$1,685		full time		75,825	37,915	113,740		
	Clerk	general office						0		
1045	Cut/Patch	Div 2						0		
1050	Design Engineering	A&E team						0		
	Field Engineering	allowance			5,000			5,000		
	Field Layout	allowance			5,000			5,000		
1170	Safety Program	writeoff					1,000	1,000		
	Safety Officer	Super						0		
1180	Site Safety	Super						0		
	Traffic Control	Div 31					İ	0		ĺ
1340	As Builts	allowance			10,000			10,000		
	Shops & Submittals	Proj mgr/clerk						0		
1380	Photographs	lump	1,000			Super		1,000		
	Testing	Owner						0		
1430	Mockups	allowance				3,000		3,000		
1440	Quality Control	Super						0		
1505	Mobilize/Closeout	lump	1,000	2,000		1,000	500	4,500		
1510	Temp Electrical	allowance			5,000			5,000		
	Power	45w/\$300					13,500	13,500		
	Lamping	allowance			1,500			1,500		
	Temporary Heat	allowance					15,000	15,000		
	Tenting & Heating	allowance					2,500	2,500		
	Snow Removal	allowance					1,500	1,500		
		Sub Total	2,000	2,000	26,500	163,075	96,895	290,470		
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JOB #	2019.13	Ē	RICE LIBRAR	Y - Addition	s & Renov	ations - <u>Sou</u>	th Scheme	<u>SD</u>	<u>7/11/2019</u>	
	page 1	bage 1						(revised)		
				<u>Div 1: 0</u>	eneral Co	nditions				
					010001000100010001000000000000000000000					
Section	Description	Quantity/Unit	MTRL	EQPMNT	SUB	LABOR	OTHER	TOTAL	NOTES	
1515	Telephone	45w/\$100					4,500	4,500		
	Water	temporary			2,500			2,500		
	Sanitary	45w/\$100					4,500	4,500		
	Fire Protection	lump	500			Super		500		
1525	Staging Building	allowance					15,000	15,000		
	Site Stage & Deliveries	allowance					20,000	20,000		
	Shoring	not required						0		
	Enclosures		400			400	200	1,000		
1530	Barriers	Div 31						0		
	Fences	Div 31						0		
1540	Security	Owner						0		
1560	Cleanup	45w/\$400				18,000	5,400	23,400		
	Final Cleanup	lump			3,500			3,500		
	Dump Fees	8 ea \$1,500	non-demo				12,000	12,000		
	Dust Control	Div 31						0		
	Surface Water	Div 31						0		
1570	Traffic Control	Div 31		Í				0		
	Signals							0		
1580	Signs/Project ID	lump					1,000	1,000		
1590	Field Offices	45w/\$100					4,500	4,500		
	Storage Trailers	45w/\$100					4,500	4,500		
1610	Pickup Trucks	45w/\$400		18,000				18,000		
	Forktrucks/Lifts	lump		7,500				7,500		
1620	Storage/Protection	lump	500			500	250	1,250		
1650	Test/Balance	see HVAC						0		
		Sub Total page 2	1,400	25,500	6,000	18,900	71,850	123,650		
		SubTotal page 1	2,000	2,000	26,500	163,075	96,895	290,470	Div 1 Analysis	
		TOTAL	3,400	27,500	32,500	181,975	168,745	414,120	<u>\$9,205/wk</u>	
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# Meeting Minutes: Pre-App Meeting

Date:	September 04, 2019						
Project:	Rice Public Library Renovation and Expansion						
Location:	Kittery, Maine						
To:	Kendra Amaral + Library Planning Committee						
Prepared by:	Ryan Kanteres	Scott Simons Architects					
	Matt Maiello	Scott Simons Architects					
Meeting title:	Pre-Application Meeting						
In Attendance:	Kendra Amaral – Town Manager						
	Adam Causey – Planning and Development						
	Robert Richter – Police Chief						
	David O'Brien – Fire Chief						
	James Steffen – Town Plan	nner					
	Jessa Kellogg – Storm water Coordinator - DPW						
	Ryan Kanteres – SSA						
	Matthew Maiello – SSA						

# Planning and Development -

- The library is in the Kittery Foreside Zone which limits the maximum addition footprint to 1,500 SF.
- We will require a waiver as the addition footprint is 3,410 SF.
  - Should look into the intent of restriction
  - Library is a public good
- Parking count should be considered. The plans are currently showing 27 spaces. Kendra mentioned that by removing the leased spaces we may be putting other buildings in violation of parking count requirements.
- Trash and dumpster collection space must be considered on site. It should not be located beside building.
- Max lot coverage is 60%. Ryan confirmed that the building is in conformance
- Minimum open area (vegetated) is 40%. SSA to confirm that site plan is in conformance. May require a misc. variation.

# Fire –

- Tree cover at rear of proposed building restricts access for fire trucks. Existing trees should be removed as that is the only side that can have direct truck access unless parking spaces beside the building are removed.
- Flat portion of roof at connector is ideal for firefighter access and a roof hatch should be shown for full access down into the building.
- The accessible parking space aisle should correspond to the location of the hose hookup on building and moved accordingly. Possibly a double striped area on either side of the accessible parking space.
- The existing fire escape will be removed from the building. David O'Brien confirmed that this is OK.
- Sprinkler room should be located at lower level close to entry with annunciator panel for easy access. The building should also contain a shutoff for building exhaust system in case of fire.

#### PRE-APP MEETING MINUTES Rice Public Library 09.04.19

# Building Code –

- The building will be fully sprinklered and will likely be type 3A construction.
- Consideration must be given to existing exposed structural elements within historic building.
- Primary addition structure will be steel construction.

# Storm water -

- Current basin at SE corner of lot is overflowing and gravel runoff causes backups. New paved parking lot should solve this problem. Calculations should be made to ensure that Traip Ave storm water can handle additional load.
- The upper lot off Wentworth Street should be calculated for the additional burden it will put on Wentworth Street storm water drainage.
- MDOT sidewalk upgrades are scheduled for federal funding to be released 2021 and should be coordinated with additional loads from lot runoff.
- As much water treated on site is ideal to avoid pumping against grades and additional burden on city treatment center.

# Police –

- Surveillance noted as a high priority.
  - High quality video is important for post-event investigation.
  - There is no staff person at the lower level entry and this space will require on site monitoring at main desk.
  - High priority should be given to placements of cameras to capture the faces of patrons entering library.
- Panic buttons provided in library should give some indication of where assistance is required.
- The question was raised about the addition of an emergency lockdown system and if this should be considered.
  - Remote door access control was noted as a high priority in the event of a lockdown situation although not something that is currently at the library.
  - The ability to isolate certain areas was also an idea raised for safety.
- A key fob system was requested by police and fire for easy access after-hours in the event of an emergency for quick response.

# General –

- Noted that there are a lot of paved walkways on site that will require maintenance.
- War Memorial noted to remain on site.

Next meeting of the Library Planning Committee scheduled for  $18^{\rm th}$  of September Next public information session scheduled for October 9th