Proposed Space Summary - High Schools

Rev. June 30, 2021

1,600 Students

Date: 2/12/2021 Schematic Design

	Northeast Metro Tech	Existing Conditions			PROPOSED: Existing to Remain/Renovated			PROPOSED: New			PROPOSED: Total			Difference to MSBA Guidelines			MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines) see also accompanying Notes to Space Summary for highlighted revisions			
	ROOM TYPE	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA1	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	Comments
1	**CORE ACADEMIC SPACES**			**29,600**			**0**			**51,990**			**51,990**			**5,320**			**46,670**	
2	*(List classrooms of different sizes separately)*																			
3	Classroom - General	797	26	20,710			0	858	36	30,870		36	30,870		3	2,820	850	33	28,050	825 SF min - 950 SF max
4	Teacher Planning/ **Workrooms**-- 136, 136A, 210	253	3	760			0	1,192	3	3,575		3	3,575		-30	275	100	33	3,300	
5	Small Group Seminar/ **Collaborative Space**						0	663	3	1,990		3	1,990		-1	(10)	500	4	2,000	
6	Science Classroom / Lab	1,340	1	1,340			0	1,494	8	11,955		8	11,955		0	435	1,440	8	11,520	3 x85% ut=20 Seats-1 per /day/student
7	Prep Room	280	1	280			0	425	4	1,700		4	1,700		-4	100	200	8	1,600	
8	Science Classrooms **incl STEM**	814	8	6,510			0								0	-				
9	Central Chemical Storage Rm	0	0	0				210	1	210		1	210		0	10	200	1	200	
10	Health CR/ Team Meeting Room							750	1	750		1	750		1	750				
11	Language Lab/ Distance Learning	0	0	0				940	1	940		1	940		1	940				
12	**SPECIAL EDUCATION**			**2,900**			**0**			**7,070**			**7,070**			**-1,990**			**9,060**	
13	*(List classrooms of different sizes separately)*																			
14	Self-Contained SPED						0	950	0	0		0	0		-6	(5,700)	950	6	5,700	825-950 SF equal to surrounding classrooms
15	Self-Contained SPED Toilet						0	60	0	0		0	0		-6	(360)	60	6	360	
16	Resource Room - 124E,127C **Learning Center**	115	2	230			0	850	4	3,400		4	3,400		1	1,900	500	3	1,500	1/2 size Genl. Clrm.
17	Small Group Room - 124D **Academic Support** Reading, Speech, ELL	160	1	160			0	500	4	2,000		4	2,000		1	500	500	3	1,500	1/2 size Genl. Clrm.
18	**Tutorial/** Assessment, Psychologist							150	4	600		4	600							
19	**Adjustment Counselors**							150	2	300		2	300							
20	**SpEd Office** - 124A,124B,124C,126B,127B Dir+2 asst.	206	5	1,030				150	3	450		3	450							
21	**SpEd Conference Room**							320	1	320		1	320							
22	SpEd Classrooms - 126A,127A	740	2	1,480																
23																				
24	**ART & MUSIC**			**0**			**0**			**0**			**0**			**-6,700**			**6,700**	
25	Art Classroom - 25 seats						0		0	0		0	0		-2	(2,400)	1,200	2	2,400	Assumed use - 25% Population - 5 times/week
26	Art Workroom w/ Storage & kiln						0		0	0		0	0		-2	(300)	150	2	300	
27	Band - 50 - 100 seats						0		0	0		0	0		-1	(1,500)	1,500	1	1,500	Assumed use - 25% Population - 5 times/week
28	Chorus - 50 - 100 seats						0		0	0		0	0		-1	(1,500)	1,500	1	1,500	
29	Ensemble						0		0	0		0	0		-1	(200)	200	1	200	
30	Music Practice						0		0	0		0	0		-4	(300)	75	4	300	
31	Music Storage						0		0	0		0	0		-1	(500)	500	1	500	
32																				
33	**VOCATIONS & TECHNOLOGY**			**94,540**			**0**			**127,755**			**127,755**			**135**			**127,620**	
34	Technology/Engineering Rooms- PLTW						0	1,435	1	1,435		1	1,435		0	(5)	1,440	1	1,440	Assumed use - 100% Population - 5 times/week; 825 SF - 2,000 SF
35	Automotive Collision Repair *(incl. **Rel CR**, typ.)*			9,190				7,580	1	7,580		1	**7,580**		0	60	7,520	1	7,520	
36	Automotive Technology			10,090				12,615	1	12,615		1	12,615		0	(35)	12,650	1	12,650	
37	Business Office Technology *(2200sf min; **incl Bank**)*			4,240				3,180	1	3,180		1	**3,180**		0	(10)	3,190	1	3,190	
38	Carpentry			8,520				10,280	1	10,280		1	10,280		0	(70)	10,350	1	10,350	
39	Cosmetology			3,920				5,890	1	5,890		1	5,890		0	140	5,750	1	5,750	
40	Culinary Arts			5,120				6,000	1	6,000		1	6,000		0	250	5,750	1	5,750	
41	Dental Assisting			1,620				6,500	1	6,500		1	6,500		0	-	6,500	1	6,500	
42	Design & Visual Communications			7,170				5,240	1	5,240		1	5,240		0	(40)	5,280	1	5,280	
43	Drafting & Design			4,460				4,580	1	4,580		1	4,580		0	(40)	4,620	1	4,620	
44	Early Childhood Education *(1500sf min)*			2,800				2,060	1	2,060		1	**2,060**		0	35	2,025	1	2,025	
45	Electrical Technology			7,790				12,335	1	12,335		1	12,335		0	(40)	12,375	1	12,375	
46	Health Assisting			4,160				5,790	1	5,790		1	5,790		0	(85)	5,875	1	5,875	
47	HVAC Technology			6,120				9,140	1	9,140		1	9,140		0	(60)	9,200	1	9,200	
48	Metal Fabrication			7,120				7,400	1	7,400		1	7,400		0	-	7,400	1	7,400	
49	Plumbing & Pipefitting			8,160				8,665	1	8,665		1	8,665		0	115	8,550	1	8,550	
50	Robotics & Automation			4,060				5,175	1	5,175		1	5,175		0	5	5,170	1	5,170	
51	new-Biotechnology							5,135	1	5,135		1	5,135		0	(35)	5,170	1	5,170	
52	new-Marketing *(2200sf min; **incl Store**)*							2,975	1	2,975		1	**2,975**		0	45	2,930	1	2,930	
53	new-Medical Assisting							5,780	1	5,780		1	5,780		0	(95)	5,875	1	5,875	
54																				
55	**HEALTH & PHYSICAL EDUCATION**			**14,150**			**0**			**25,750**			**25,750**			**590**			**25,160**	Excess PE Spaces Policy
56	Gymnasium - 174	8,110	1	8,110			0	12,375	1	12,375		1	12,375		0	375	12,000	1	12,000	
57	PE Alternatives - 171 Fitness Center & Weights	1,140	1	1,140			0	1,493	2	2,985		2	2,985		1	(15)	3,000	1	3,000	
58	Gym Storeroom - 170C	120	1	120			0	495	1	495		1	495		0	195	300	1	300	
59	Locker Rooms - Boys / Girls w/ Toilets	3,940	1	3,940			0	2,858	2	5,715		2	5,715		1	(3,245)	8,960	1	8,960	5.6 sf/student total

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60	**Satelite Locker Rooms**							1,363	2	2,725		2	2,725							
61	Phys. Ed. Storage & Closets - 172G,172H, 172N,	115	2	230			0	275	1	275		1	275		0	(225)	500	1	500	
62	Athletic Director's Office - 172C	140	1	140			0	170	1	170		1	170		0	20	150	1	150	
63	**Officials/ Trans Locker Rm w/ Shower & Toilet**							80	1	80		1	80		1	80				
64	PE Instructor **& Coach** Offices w/ Shower & Toile	115	2	230			0	185	4	740		4	740		3	490	250	1	250	
65	Health CR/ Team Mtg. Rm (see Core Academic)																			
66	Trainer 172I	240	1	240				190	1	190	+	1	190							
67	**MEDIA CENTER**			**2,910**			**0**			**5,455**			**5,455**			**255**			**5,200**	
68	Media Center / Reading Room 174A	2,150	1	2,150			0	4,150	1	4,150		1	4,150		0	(1,050)	5,200	1	5,200	
69	Workroom 174C	400	1	400			0	320	1	320			320		0	320				
70	Office, Conf.,printer- 174B,174D, 174E	120	3	360				160	1	160		1	160		1	160				
71	**Small Group Rooms**							117	3	350		3	350		3	350				
72	Project Room/ **TV studio**/ Storage							475	1	475		1	475		1	475				
73	**AUDITORIUM / DRAMA**			**1,630**			**0**			**10,505**			**10,505**			**105**			**10,400**	Excess Auditorium Spaces Policy
74	(Auditorium) Presentation/ Performance Space						0	7,475	1	7,475		1	7,475		0	(25)	7,500	1	7,500	2/3 Enrollment @ 10 SF/Seat - 750 seats MAX
75	Stage - 119B	1,510	1	1,510			0	1,610	1	1,610		1	1,610		0	10	1,600	1	1,600	
76	Auditorium Storage - 119T	120	1	120			0	580	1	580		1	580		0	80	500	1	500	
77	Make-up / Dressing/ Green Rooms						0	303	2	605		2	605		0	5	300	2	600	
78	Controls / Lighting / Projection						0	235	1	235		1	235		0	35	200	1	200	
79																				
80	**DINING & FOOD SERVICE**			**12,280**			**0**			**13,180**			**13,180**			**480**			**12,700**	
81	Cafeteria / Student Lounge / Break-out - 119A	7,440	1	7,440			0	7,990	1	7,990		1	7,990		0	(10)	8,000	1	8,000	3 seatings - 15SF per seat
82	Chair / Table Storage - 119S,119U, 119V	300	1	300			0	500	1	500		1	500		0	(50)	550	1	550	
83	Scramble Serving Area - 119P	420	1	420			0	1,025	1	1,025		1	1,025		0	425	600	1	600	
84	**Satelite Serving Area**							300	0	0		0	0		0	-				
85	Kitchen - 119C, 119D, 119E, 119F, 119G, 119H,	4,120	1	4,120			0	3,035	1	3,035		1	3,035		0	135	2,900	1	2,900	1600 SF for first 300 + 1 SF/student Add'l
86	**Satelite Kitchen**							600	0	0		0	0		0	-				
87	Staff Lunch Room		0				0	630	1	630		1	630		0	(20)	650	1	650	20 SF/Occupant
88	**MEDICAL**			**800**			**0**			**1,340**			**1,340**			**-70**			**1,410**	
89	Medical Suite Toilets - 178D, 178E	45	2	90			0	73	2	145		2	145		1	85	60	1	60	
90	Nurses' Office / Waiting Room 178A, 178B	650	1	650			0	192	3	575		3	575		2	325	250	1	250	
91	Interview/ Exam Room	0	0	0			0	120	3	360		3	360		-1	(40)	100	4	400	
92	Resting	30	2	60			0	260	1	260		1	260		-6	(440)	100	7	700	
93																				
94	**ADMINISTRATION & GUIDANCE**			**7,410**			**0**			**8,655**			**8,655**			**2,860**			**5,795**	
95	General Office / Waiting / Tlt 175,175A,175H, 129	870	1	870			0	170	4	680		4	680		3	(120)	800	1	800	
96	Teachers' Mail and Time Room 175K ??	240	1	240			0	100	1	100		1	100		0	-	100	1	100	
97	Duplicating Room						0	240	1	240		1	240		0	40	200	1	200	
98	Records Room (Vault) 175E	190	1	190			0	200	1	200		1	200		0	-	200	1	200	
99	Principal's Office w/ Conf. Area & Tlt - 175F, 175G	360	1	360			0	255	1	255		1	255		0	(120)	375	1	375	
100	Principal's Secretary / Waiting - 175M	70	1	70			0	130	1	130		1	130		0	5	125	1	125	
101	Assistant Principal's Office - AP1 - 101,101B	470	1	470			0	153	2	305		2	305		1	155	150	1	150	
102	Assistant Principal's Offices - Voc.Deans, Academic Prog. Coordinator, Co-Op 175R,	123	3	370			0	155	4	620		4	620		2	320	150	2	300	
103	Supervisory & Paraprofessional Offices; incl: Attendance, Reception 175B, 175C, 175D, 183	155	4	620			0	121	4	485		4	485		3	365	120	1	120	
104	Department Head Offices 163B, 187A, 187B, 187C,188, 189, 201A	134	7	940			0	120	7	840		7	840		7	840				
105	Safety Resource Officer	100	1	100			0	120	1	120		1	120		1	120				
106	In-House Suspension 139	340	1	340			0	340	1	340		1	340		1	340				
107	Conference Rooms - 175N, 180	440	2	880			0	323	3	970		3	970		2	520	450	1	450	
108	Guidance/ **Adj,** Diversity Offices - 175O,175Q,175	126	8	1,010			0	158	**8**	1,260		8	1,260		0	60	150	8	1,200	
109	Guidance Waiting Room - 175P	280	1	280			0	100	0	0		0	0		-1	(100)	100	1	100	
110	Guidance Storeroom	0	0	0			0	100	1	100		1	100		0	-	100	1	100	
111	Career Center/ Classroom - 112	670	1	670				985	1	985		1	985		0	435	550	1	550	
112	Records Room							225	1	225		1	225		0	-	225	1	225	
113	Teachers' Work Rm, Dig.Lrn'g Mgr*(w/ Media Ctr)*							800	1	800		1	800		0	-	800	1	800	
114																				
115																				
116																				
117																				
118																				
119	**CUSTODIAL & MAINTENANCE**			**9,950**			**0**			**4,150**			**4,150**			**1,325**			**2,825**	
120	Custodian's Office - 137G, 019FB	230	2	460			0	140	1	140		1	140		0	(10)	150	1	150	
121	Custodian's Workshop & Toilet - 137, 137G	2,240	1	2,240			0	475	1	475		1	475		0	225	250	1	250	
122	Custodian's Storage - 194A,194B,194C,192C,192	35	12	420			0	330	1	330		1	330		0	(45)	375	1	375	

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123	Recycling Room / Trash - 119O	80	1	80			0	360	1	360		1	360		0	(40)	400	1	400	
124	Receiving and General Supply - 137A, 137E	725	2	1,450			0	428	3	1,285		3	1,285		2	735	550	1	550	
125	Storeroom - 137B, 137C, 137D, 137E, 137F, 011	164	7	1,150			0	326	4	1,305		4	1,305		3	405	900	1	900	
126	Network - Telecom Room & Offices - 177A, 77B,	216	5	1,080			0	200	1	255		1	255		0	55	200	1	200	
127	Maintenance Storage & Staff Lunch / Lounge - 18	439	7	3,070				0	0	0										
128	**OTHER**			**9,980**			**0**			**1,900**			**1,900**			**1,900**			**0**	
129	Other (specify): Bank 192G (Bus. Tech)	80	1	80			0	**600**	**0**	**0**		**0**	**0**		0	-				
130	School Store (Marketing)							**300**	**0**	**0**		**0**	**0**		0	-				
131	Adult Ed Offices & Storage 185, 185A, 186, 186A	90	5	450				455	1	455		1	455		1	455				
132	Superintendent's Office & Tlt - 178A	470	1	470				260	1	260		1	260		1	260				
133	Superintendent's Assistant							125	1	125		1	125		1	125				
134	Business Office suite, HR 175AA,175BB,175CC,	150	7	1,050				151	7	1,060		7	1,060		7	1,060				
135																				
136	Maintenance Garage (out-building)							1,800	0	0		0	0		0	-				
137	Field Maint. Garage & Stor.(Sat.Locker Rm.)(out-bldg)							2,725	0	0		0	0		0	-				
138	Concession/ Public Toilets (out-building)							1,400	0	0		0	0		0	-				
139	Pool, Office, Storage, & Mechanical	7,930	1	7,930				0	0	0		0	0		0	-				
140																				
141	Total Building Net Floor Area (NFA)			**186,150**			**0**			**257,750**			**257,750**			4,210			**253,540**	
142																				
143																Full-Time-Equivalent Academic students:			**848**	162
144	Proposed Student Capacity / Enrollment																	Total students	**1,600**	225
145																				
146	**NON-PROGRAMMED SPACES**					% of GFA	**0**		% of GFA	**128,880**		% of GFA	**128,880**							
147	Other Occupied Rooms (list separately)					#DIV/0!			0%			0%	**0**							Non-Programmed space areas are
148						#DIV/0!			0%			0%	**0**							required to be included in the
149	Vocational Offices (non Ch.74 space)					#DIV/0!			1%	2,560		1%	**2,560**							following submittals:
150						#DIV/0!			0%			0%	**0**							Schematic Design Submittal
151	Unoccupied MEP/FP Spaces					#DIV/0!			3%	10,280		3%	**10,280**							Design Development Submittal
152	Unoccupied Closets, Supply Rooms & Storage Rooms					#DIV/0!			0%	725		0%	**725**							60% Construction Documents
153	Toilet Rooms					#DIV/0!			1%	4,375		1%	**4,375**							90% Construction Documents
154	Circulation (corridors, stairs, ramps & elevators)					#DIV/0!			20%	77,430		20%	**77,430**							Final Construction Documents
155	Remaining[3]					#DIV/0!	**0**		9%	**33,510**		9%	**33,510**							
156																				
157	Total Building Gross Floor Area (GFA)[2]			**239,444**			0			386,630			**386,630**	242		6,320			**380,310**	360,000
158	*(excluding outbuildings)*																			
159	Grossing factor (GFA/NFA)			**1.29**			**-**			**1.50**			**1.50**						**1.50**	1.50
160																				

[1] **Individual Room Net Floor Area (NFA)** net square

[2] **Total Building Gross Floor Area (GFA)** Includes the entire building gross square footage measured from the outside face of exterior walls

[3] **Remaining** Includes exterior walls, interior partitions, chases, and other areas not listed above. Do not calculate this area, it is assumed to equal the difference between the Total Building Gross Floor Area and area not accounted for above.

Architect Certification

I hereby

Name of Architect Firm: Drummey Rosane Anderson, Inc.

Name of Principal Architect: Carl Franceschi

Signature of Principal Architect:

Date: 6/30/2021