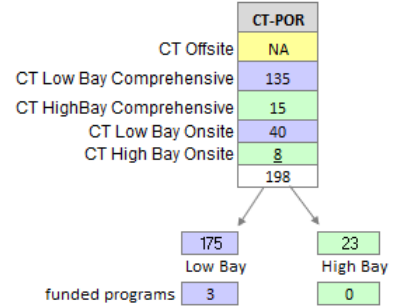


**Master Plan Name** Cuyahoga\_Falls\_Summit\_CFAP\_Draft\_Reno\_HS\_8\_12\_12\_14\_18

Program CFAP 2017-03-01 (Active)  
 Rank 389  
 School District Cuyahoga Falls City School District  
 School District IRN 43836  
 County Summit County  
 Cost Region 8 (New Construction Cost Factor: 103.60%)  
 Cost Set 2018 (for everything)  
 Bracketing Set 2018  
 Educational Planner FutureThink

**Projected Enrollment (10 Yr)**

Grade	2019-2020	Grade Configurations			
		Grades	Total	Placed	Remaining
PK	81				
K	363	PK-12	4580	4685	-105
1	380	PK-5	2270	2270	0
2	373	6-8	1082	1172	-90
3	372	9-12	1228	1243	-15
4	335	PK-8	3352	3442	-90
5	366	6-12	2310	2415	-105
6	367	CT	261	198	63
7	367				
8	348				
9	359				
10	357				
11	241				
12	271				
CT Offsite	63				
CT Low Bay Comprehensive	135				
CT High Bay Comprehensive	15				
CT Low Bay Onsite	40				
CT High Bay Onsite	8				
<b>Total</b>	<b>4841</b>				



**Project Scope:**

- Build 3 New Elementary Schools to house grades PK-3
- Build 2 New Elementary Schools to house grades 4-6
- Build 1 New Middle School to house 7th grade
- Renovations to Cuyahoga Falls High School to house grades 8-12 and CT
- Allowance to abate and demolish Dewitt Elementary, Elizabeth Price Elementary, Lincoln Elementary, Preston Elementary, Richardson Elementary, Silver Lake Elementary, Newbery Elementary, Bolich Middle and Roberts Middle.

**Master Planner Commentary:**

- Master plan utilizes 2018 OSDM Cost Set and Bracketing. Updated cost set required for final plan approval.
- The project budget for new buildings shown on this plan anticipates attaining the USGBC LEED For Schools (U.S. Green Building Council, Leadership in Energy and Environmental Design) Silver Certification (with a preference for attaining points in the Energy and Atmosphere Categories).
- An Allowance has been included in this plan for Cuyahoga Falls High School for attaining the USGBC LEED For Schools (U.S. Green Building Council, Leadership in Energy and Environmental Design) Silver Certification (with a preference for attaining points in the Energy and Atmosphere Categories). Please see Specific Allowance Summary for details.
- Master Plan utilizes district accepted enrollment projections dated May 13, 2015 (2019-20 planning year). Updated enrollment required for final plan approval.
- Enhanced Environmental Assessment (EEA) completed January 22, 2015.
- 1 Site Safety Allowance included. Please see Specific Allowance for details.
- There is no Swing Space Allowance included in this plan at this time.
- The 15 CT High Bay Comprehensive students do not meet the 30:1 Rule; therefore, those students do not receive CT program funding and have been included in the 9-12 student population number.
- 8 Project Agreement Locally Funded Agreements (PALFI) included. Please see PALFI for details.
- OFCC Square Foot Utilization Policy requires 107 of the 7th grade students be placed in High School to eliminate excess space in that facility.

Building	Allowance	
New 4-6 Elementary #1	Storm Shelter allowance (hardening 3,746 SF)	\$285,454.09
New 4-6 Elementary #2	Storm Shelter allowance (hardening 3,746 SF)	\$285,454.09
New PK-3 #1	Storm Shelter allowance (hardening 3,499 SF)	\$269,364.39
New PK-3 #2	Storm Shelter allowance (hardening 3,499 SF)	\$269,364.39
New PK-3 #3	Storm Shelter allowance (hardening 3,499 SF)	\$269,364.39
New 7 Grade	Storm Shelter allowance (hardening 2,402 SF)	\$197,941.81
Cuyahoga Falls High	Site Safety Access Allowance	\$300,000.00
Cuyahoga Falls High	LEED Allowance for building renovation	\$1,109,137.94

all existing building data is pulled in from assessments

buildings grayed out denotes abate/demo

Building Program	Dewitt Elementary Classroom Facilities Assistance Program (CFAP) [2018]	Elizabeth Price Elementary Classroom Facilities Assistance Program (CFAP) [2018]	Lincoln Elementary Classroom Facilities Assistance Program (CFAP) [2018]	Newberry Elementary Classroom Facilities Assistance Program (CFAP) [2018]
Cost Set	Hammond Construction	Hammond Construction	Hammond Construction	Hammond Construction
Assessing Consultant	Hammond Construction	Hammond Construction	Hammond Construction	Hammond Construction
Type	Elementary	Elementary	Elementary	Elementary
Acres	3.83	8.50	10.50	10.00
Grades Housed	K-5	K-5	K-5	PK-8
Current Enrollment	517	386	476	144
Additions to Demolish	<input type="checkbox"/> 1968 Original Construction 89% 50,520 ft <sup>2</sup> <input type="checkbox"/> 1963 Classroom Addition 77% 4,167 ft <sup>2</sup>	<input type="checkbox"/> 1953 Original Construction 86% 32,418 ft <sup>2</sup> <input type="checkbox"/> 1963 Classroom Addition 77% 4,167 ft <sup>2</sup>	<input type="checkbox"/> 1930 Original Construction 81% 33,454 ft <sup>2</sup> <input type="checkbox"/> 1957 Classroom / Administrative Offices Addition 80% 13,021 ft <sup>2</sup> <input type="checkbox"/> 1959 Classroom / Multi-Purpose Room / Kitchen / Stage Addition 92% 15,728 ft <sup>2</sup>	<input type="checkbox"/> 1956 Original Construction 89% 36,766 ft <sup>2</sup> <input type="checkbox"/> 1957 Classroom Addition 80% 6,008 ft <sup>2</sup>
Grades Housed - Proposed				
Projected Enrollment				
CT Projected Enrollment				
Scope of Work	Abate/Demolish	Abate/Demolish	Abate/Demolish	Abate/Demolish
CEFPI Rating	Borderline	Borderline	Borderline	Borderline
Existing ft <sup>2</sup>	50,520	36,585	62,203	42,774
Cost/ft <sup>2</sup> (DM)	\$255.52	\$265.36	\$255.52	\$265.36
Cost to Replace	\$12,908,870.40	\$9,708,195.60	\$15,894,110.56	\$11,350,508.64
Cost to Renovate	\$11,466,349.64	\$8,230,800.15	\$13,822,279.94	\$9,936,273.51
Reprogramming	\$0.00	\$0.00	\$0.00	\$0.00
Renovate+Replace	89%	85%	87%	88%
Right Replacement				
Right Ratio				
Addition Required	No	No	No	No
Proposed Enrollment	Students sf/Student sf required	Students sf/Student sf required	Students sf/Student sf required	Students sf/Student sf required
Elementary (PK-K)	x = 0	x = 0	x = 0	x = 0
Elementary (PK-5)	x = 0	x = 0	x = 0	x = 0
Middle (6-8)	x = 0	x = 0	x = 0	x = 0
High (9-12)	x = 0	x = 0	x = 0	x = 0
Career Technical	x = 0	x = 0	x = 0	x = 0
Core Space				
Total ft <sup>2</sup> Required				
ft <sup>2</sup> Existing	50,520	36,585	62,203	42,774
Large Group Restroom Fixture Replacement	No	No	No	No
Comprehensive Vocational	No	No	No	No
Oversized ft <sup>2</sup>				
Less Oversized ft <sup>2</sup>	50,520	36,585	62,203	42,774
CT ft <sup>2</sup> Existing				
CT ft <sup>2</sup> Not Programmed				
Less CT ft <sup>2</sup>	50,520	36,585	62,203	42,774
Addition ft <sup>2</sup>	-50,520	-36,585	-62,203	-42,774
Cost per ft <sup>2</sup>	see below	see below	see below	see below
<b>Total Addition Cost</b>				
<b>Cost of Additions</b>	<b>Cost of Additions</b>	<b>Cost of Additions</b>	<b>Cost of Additions</b>	<b>Cost of Additions</b>
Cost Of New SF	SF Required \$/SF Cost	SF Required \$/SF Cost	SF Required \$/SF Cost	SF Required \$/SF Cost
Elementary (PK-5)	x = \$0.00	x = \$0.00	x = \$0.00	x = \$0.00
Middle (6-8)	x = \$0.00	x = \$0.00	x = \$0.00	x = \$0.00
High (9-12)	x = \$0.00	x = \$0.00	x = \$0.00	x = \$0.00
Career Technical Program Space				
CT Existing ft <sup>2</sup>				
CT New ft <sup>2</sup>				
CT Total ft <sup>2</sup>				
CT Program Total	\$0.00	\$0.00	\$0.00	\$0.00
Total Proposed ft <sup>2</sup>				
Total to Rebuild	\$0.00	\$0.00	\$0.00	\$0.00
Total to Rebuild All Buildings				
Cost to Reno & Reprogram				
Total Addition Cost				
Total Career Technical	\$0.00	\$0.00	\$0.00	\$0.00
Project Cost	\$0.00	\$0.00	\$0.00	\$0.00
Asbestos Abatement	\$259,665.57	\$148,515.04	\$236,975.26	\$186,825.61
Demolition	\$227,340.00	\$164,632.50	\$279,913.50	\$192,483.00
Exclude Storm Shelter	Exclude Storm Shelter	Exclude Storm Shelter	Exclude Storm Shelter	Exclude Storm Shelter
Specific Allowance	\$0.00	\$0.00	\$0.00	\$0.00
Total Building Cost	\$487,005.57	\$313,147.54	\$516,888.76	\$379,308.61
Page Subtotal			\$1,696,350.48	\$0.00
General Allowance			\$7,147,582.19	
Project Agreement LFI			\$153,569,249.71	
Co-Funded Project			\$160,716,831.90	
Total Project Cost			\$160,716,831.90	

renovation costs

listing of original building and addition(s) sf

total sf

cost/sf to build new

existing sf x cost/sf = cost to replace w/new

reno/new ratio

asbestos abatement budget

demo budget

total master plan required lfi

total master plan co-funded budget

total master plan budget

page subtotal

total building budget

Building	Preston Elementary			Richardson Elementary			Silver Lake Elementary			Bolich Middle		
Program	Classroom Facilities Assistance Program (CFAP) [2018]			Classroom Facilities Assistance Program (CFAP) [2018]			Classroom Facilities Assistance Program (CFAP) [2018]			Classroom Facilities Assistance Program (CFAP) [2018]		
Assessing Consultant	Hammond Construction			Hammond Construction			Hammond Construction			Hammond Construction		
Type	Elementary			Elementary			Elementary			Middle		
Acres	13.50			10.00			7.50			35.00		
Grades Housed	K-5			K-5			K-5			6-8		
Current Enrollment	285			397			251			629		
Additions to Demolish	<input type="checkbox"/> 1958 Original Construction 83% 33,419 ft <sup>2</sup>	<input type="checkbox"/> 1951 Original Construction 90% 47,569 ft <sup>2</sup>	<input type="checkbox"/> 1927 Original Construction 112% 16,651 ft <sup>2</sup>	<input type="checkbox"/> 1953 Original Construction 81% 94,427 ft <sup>2</sup>	<input type="checkbox"/> 1963 Classroom Addition 78% 6,159 ft <sup>2</sup>	<input type="checkbox"/> 1978 Student Dining Addition 80% 842 ft <sup>2</sup>	<input type="checkbox"/> 1946 Classroom Addition 77% 12,027 ft <sup>2</sup>	<input type="checkbox"/> 1963 Media Center Addition 81% 2,341 ft <sup>2</sup>	<input type="checkbox"/> 1950 Classroom Addition 122% 1,364 ft <sup>2</sup>	<input type="checkbox"/> 1956 Classroom Addition 85% 7,564 ft <sup>2</sup>		
Grades Housed - Proposed												
Projected Enrollment												
CT Projected Enrollment												
Scope of Work	Abate/Demolish			Abate/Demolish			Abate/Demolish			Abate/Demolish		
CEFPI Rating	Borderline			Borderline			Borderline			Borderline		
Existing ft <sup>2</sup>	39,578			48,411			37,606			96,768		
Cost/ft <sup>2</sup> (DM)	\$265.36			\$265.36			\$265.36			\$250.39		
Cost to Replace	\$10,502,418.08			\$12,846,342.96			\$9,979,128.16			\$24,229,739.52		
Cost to Renovate	\$8,588,326.55			\$11,486,643.60			\$9,546,678.93			\$19,616,440.10		
Reprogramming	\$0.00			\$0.00			\$0.00			\$0.00		
Renovate+Replace	82%			89%			96%			81%		
Right Replacement												
Right Ratio												
Addition Required	No			No			No			No		
	Addition ft <sup>2</sup>			Addition ft <sup>2</sup>			Addition ft <sup>2</sup>			Addition ft <sup>2</sup>		
Proposed Enrollment	Students	sf/Student	sf required	Students	sf/Student	sf required	Students	sf/Student	sf required	Students	sf/Student	sf required
Elementary (PK-K)	x	=	0	x	=	0	x	=	0	x	=	0
Elementary (PK-5)	x	=	0	x	=	0	x	=	0	x	=	0
Middle (6-8)	x	=	0	x	=	0	x	=	0	x	=	0
High (9-12)	x	=	0	x	=	0	x	=	0	x	=	0
Career Technical Core Space	x	=	0	x	=	0	x	=	0	x	=	0
Total ft <sup>2</sup> Required												
ft <sup>2</sup> Existing	39,578			48,411			37,606			96,768		
Large Group Restroom Fixture Replacement	No			No			No			No		
Comprehensive Vocational	No			No			No			No		
Oversized ft <sup>2</sup>												
Less Oversized ft <sup>2</sup>	39,578			48,411			37,606			96,768		
CT ft <sup>2</sup> Existing												
CT ft <sup>2</sup> Not Programmed												
Less CT ft <sup>2</sup>	39,578			48,411			37,606			96,768		
Addition ft <sup>2</sup>	-39,578			-48,411			-37,606			-96,768		
Cost per ft <sup>2</sup>	see below			see below			see below			see below		
<b>Total Addition Cost</b>												
	Cost of Additions			Cost of Additions			Cost of Additions			Cost of Additions		
Cost Of New SF	SF Required	\$/SF	Cost	SF Required	\$/SF	Cost	SF Required	\$/SF	Cost	SF Required	\$/SF	Cost
Elementary (PK-5)	x	=	\$0.00	x	=	\$0.00	x	=	\$0.00	x	=	\$0.00
Middle (6-8)	x	=	\$0.00	x	=	\$0.00	x	=	\$0.00	x	=	\$0.00
High (9-12)	x	=	\$0.00	x	=	\$0.00	x	=	\$0.00	x	=	\$0.00
Career Technical Program Space												
CT Existing ft <sup>2</sup>												
CT New ft <sup>2</sup>												
CT Total ft <sup>2</sup>												
CT Program Total	\$0.00			\$0.00			\$0.00			\$0.00		
Total Proposed ft <sup>2</sup>												
Total to Rebuild	\$0.00			\$0.00			\$0.00			\$0.00		
Total to Rebuild All Buildings												
Cost to Reno & Reprogram												
Total Addition Cost												
Total Career Technical	\$0.00			\$0.00			\$0.00			\$0.00		
Project Cost	\$0.00			\$0.00			\$0.00			\$0.00		
Asbestos Abatement	\$158,698.01			\$132,121.06			\$587,367.92			\$421,845.43		
Demolition	\$178,101.00			\$217,849.50			\$169,227.00			\$435,456.00		
Exclude Storm Shelter	Exclude Storm Shelter			Exclude Storm Shelter			Exclude Storm Shelter			Exclude Storm Shelter		
Specific Allowance	\$0.00			\$0.00			\$0.00			\$0.00		
Total Building Cost	\$336,799.01			\$349,970.56			\$756,594.92			\$857,301.43		
Page Subtotal				\$2,300,665.92								
General Allowance				\$0.00								
Project Agreement LFI				\$7,147,582.19								
Co-Funded Project				\$153,569,249.71								
<b>Total Project Cost</b>				<b>\$160,716,831.90</b>								

Building Program	Roberts Middle Classroom Facilities Assistance Program (CFAP)	Cuyahoga Falls High Classroom Facilities Assistance Program (CFAP)	New 4-6 Elementary #1 New Elementary	New PK-3 #3 New Elementary						
Cost Set	[2018]	[2018]								
Assessing Consultant	Hammond Construction	Hammond Construction								
Type	Middle	High	Elementary	Elementary						
Acres	14.85	19.45								
Grades Housed	6-8	9-12								
Current Enrollment	469	1662								
Additions to Demolish	<input type="checkbox"/> 1968 Original Construction 76% 75,249 ft <sup>2</sup> <input type="checkbox"/> 1922 Auditorium Fixed Seating Area 78% <input type="checkbox"/> 1922 Original Construction 77% <input type="checkbox"/> 1927 Career Tech Addition 80% <input type="checkbox"/> 1949 Mechanical Room Addition 74% <input type="checkbox"/> 1960 Auditorium Fixed Seating Area 70% <input type="checkbox"/> 1960 Board Offices 60% <input type="checkbox"/> 1960 Classroom / Media Center / Gymnasium / Student Dining / Kitchen / Administrative Offices Addition 71% <input type="checkbox"/> 1969 Career Tech Addition 64%	<input type="checkbox"/> 1922 Auditorium Fixed Seating Area 78% <input type="checkbox"/> 1922 Original Construction 77% <input type="checkbox"/> 1927 Career Tech Addition 80% <input type="checkbox"/> 1949 Mechanical Room Addition 74% <input type="checkbox"/> 1960 Auditorium Fixed Seating Area 70% <input type="checkbox"/> 1960 Board Offices 60% <input type="checkbox"/> 1960 Classroom / Media Center / Gymnasium / Student Dining / Kitchen / Administrative Offices Addition 71% <input type="checkbox"/> 1969 Career Tech Addition 64%	2,710 ft <sup>2</sup>	99,768 ft <sup>2</sup>	6,299 ft <sup>2</sup>	2,836 ft <sup>2</sup>	12,395 ft <sup>2</sup>	4,545 ft <sup>2</sup>	150,780 ft <sup>2</sup>	25,143 ft <sup>2</sup>
Grades Housed - Proposed		8-12, CT Offsite, CT High Bay Onsite	4-6	PK-3,						
Projected Enrollment		1698	534	523						
CT Projected Enrollment		198								
Scope of Work	Abate/Demolish	Renovate	Build New	Build New						
CEFPI Rating	Borderline	Borderline								
Existing ft <sup>2</sup>	75,249	304,476								
Cost/ft <sup>2</sup> (DM)	\$251.05	\$246.55								
Cost to Replace	\$18,891,261.45	\$75,068,557.80	\$0.00	\$0.00						
Cost to Renovate	\$14,349,968.08	\$56,851,752.32	\$0.00	\$0.00						
Reprogramming	\$0.00	\$0.00	\$0.00	\$0.00						
Renovate=Replace	76%	76%								
Right Replacement		\$68,761,493.97								
Right Ratio		83%								
Addition Required	No	No	No	No						
Proposed Enrollment	Students sf/Student sf required	Students Addition ft <sup>2</sup> sf/Student	Students New ft <sup>2</sup> sf/Student sf required	Students New ft <sup>2</sup> sf/Student sf required						
Elementary (PK-K)	x = 0	x =	x = 0	148 x 118.37 = 17,519						
Elementary (PK-5)	x = 0	x =	350 x 117.92 = 41,272	523 x 118.37 = 61,908						
Middle (6-8)	x = 0	455 x 142.02 = 64,619	184 x 145.89 = 26,844	x = 0						
High (9-12)	x = 0	1,243 x 153.66 = 190,999	x = 0	x = 0						
Career Technical Core Space	x = 0	198 x 89.56 = 17,733	x = 0	x = 0						
Total ft <sup>2</sup> Required										
ft <sup>2</sup> Existing	75,249		68,116	61,907.51						
Large Group Restroom Fixture Replacement	No	No	No	No						
Comprehensive Vocational	No	Yes	No	No						
Oversized ft <sup>2</sup>			24,185	0						
Less Oversized ft <sup>2</sup>	75,249		280,291	0						
CT ft <sup>2</sup> Existing			20,247							
CT ft <sup>2</sup> Not Programmed			14,224							
Less CT ft <sup>2</sup>	75,249		274,268							
Addition ft <sup>2</sup>	-75,249									
Cost per ft <sup>2</sup>	see below	see below	see below	see below						
Total Addition Cost										
Cost of New SF	SF Required / \$/SF Cost	Cost of Additions SF Required / \$/SF Cost	Cost to Rebuild SF Required / \$/SF Cost	Cost to Rebuild SF Required / \$/SF Cost						
Elementary (PK-5)	x = \$0.00	x =	\$0.00 41,272 x \$255.52 = \$10,545,821.44	\$1,907.51 x \$255.52 = \$487,118.60						
Middle (6-8)	x = \$0.00	x =	\$0.00 26,843.76 x \$251.05 = \$6,739,125.95	0 x = \$0.00						
High (9-12)	x = \$0.00	x =	\$0.00 0 x = \$0.00	0 x = \$0.00						
Career Technical Program Space										
CT Existing ft <sup>2</sup>			20,247							
CT New ft <sup>2</sup>										
CT Total ft <sup>2</sup>			20,247							
CT Program Total	\$0.00		\$0.00	\$0.00						
Total Proposed ft <sup>2</sup>			304,476	68,116						
Total to Rebuild	\$0.00		\$0.00	\$17,284,947.39						
Total to Rebuild All Buildings				\$15,818,606.96						
Cost to Reno & Reprogram		\$56,851,752.32	\$0.00	\$0.00						
Total Addition Cost										
Total Career Technical	\$0.00		\$0.00	\$0.00						
Project Cost	\$0.00	\$56,851,752.32	\$17,284,947.39	\$15,818,606.96						
Asbestos Abatement	\$460,755.69	\$0.00	\$0.00	\$0.00						
Demolition	\$338,620.50	\$0.00	\$0.00	\$0.00						
Exclude Storm Shelter	Exclude Storm Shelter	Exclude Storm Shelter								
Specific Allowance	\$0.00	\$1,409,137.94	\$285,454.09	\$269,364.39						
Total Building Cost	\$799,376.19	\$58,260,890.26	\$17,570,401.48	\$16,087,971.35						
Page Subtotal		\$92,718,639.28								
General Allowance		\$0.00								
Project Agreement		\$7,147,582.19								
LFI										
Co-Funded Project		\$153,569,249.71								
Total Project Cost		\$160,716,831.90								

total sf required for students placed in ex. building

grade grouping placed

number of students placed

the 148 pk-k noted are included in the 523 pk-3 placement

sf/student for grade grouping and # of students

ex. sf

total sf of new building

oversize sf and career tech. space calculation

total sf x cost/sf

455 MS students placed to eliminate excess sf

final sf to determine if addition is required

	New PK-3 #2 New Elementary			New PK-3 #1 New Elementary			New 4-6 Elementary #2 New Elementary			New 7 Grade New Middle		
Building Program												
Cost Set												
Assessing Consultant												
Type	Elementary			Elementary			Elementary			Middle		
Acres												
Grades Housed	—			—			—			—		
Current Enrollment												
Additions to Demolish												
Grades Housed - Proposed	PK-3			PK-3			4-6			7		
Projected Enrollment	523			523			534			350		
CT Projected Enrollment												
Scope of Work	Build New			Build New			Build New			Build New		
CEFPI Rating												
Existing ft²												
Cost/ft² (DM)												
Cost to Replace	\$0.00			\$0.00			\$0.00			\$0.00		
Cost to Renovate												
Reprogramming	\$0.00			\$0.00			\$0.00			\$0.00		
Renovate+Replace	—			—			—			—		
Right Replacement												
Right Ratio												
Addition Required	No			No			No			No		
	New ft²			New ft²			New ft²			New ft²		
Proposed Enrollment	Students	sf/Student	sf required	Students	sf/Student	sf required	Students	sf/Student	sf required	Students	sf/Student	sf required
Elementary (PK-K)	148 x	118.37 =	17,519	148 x	118.37 =	17,519	x	=	0	x	=	0
Elementary (PK-5)	523 x	118.37 =	61,908	523 x	118.37 =	61,908	351 x	117.92 =	41,390	x	=	0
Middle (6-8)	x	=	0	x	=	0	183 x	145.89 =	26,698	350 x	151.00 =	52,850
High (9-12)	x	=	0	x	=	0	x	=	0	x	=	0
Career Technical Core Space	x	=	0	x	=	0	x	=	0	x	=	0
Total ft² Required			61,907.51			61,907.51			68,087.79			52,850
ft² Existing												
Large Group Restroom	No			No			No			No		
Fixture Replacement												
Comprehensive Vocational	No			No			No			No		
Oversized ft²			0			0			0			0
Less Oversized ft²												
CT ft² Existing												
CT ft² Not Programmed												
Less CT ft²												
Addition ft²			61,908			61,908			68,088			52,850
Cost per ft²	see below			see below			see below			see below		
<b>Total Addition Cost</b>	<b>Cost to Rebuild</b>			<b>Cost to Rebuild</b>			<b>Cost to Rebuild</b>			<b>Cost to Rebuild</b>		
	SF Required	\$/SF	Cost	SF Required	\$/SF	Cost	SF Required	\$/SF	Cost	SF Required	\$/SF	Cost
Elementary (PK-5)	61,907.51 x	\$255.52 =	\$15,818,606.96	61,907.51 x	\$255.52 =	\$15,818,606.96	41,389.92 x	\$255.52 =	\$10,575,952.36	0 x	=	\$0.00
Middle (6-8)	0 x	=	\$0.00	0 x	=	\$0.00	26,697.87 x	\$251.05 =	\$6,702,500.26	52,850 x	\$266.10 =	\$14,063,385.00
High (9-12)	0 x	=	\$0.00	0 x	=	\$0.00	0 x	=	\$0.00	0 x	=	\$0.00
Career Technical Program Space												
CT Existing ft²												
CT New ft²												
CT Total ft²												
CT Program Total			\$0.00			\$0.00			\$0.00			\$0.00
Total Proposed ft²			61,908			61,908			68,088			52,850
Total to Rebuild			\$15,818,606.96			\$15,818,606.96			\$17,278,452.62			\$14,063,385.00
Total to Rebuild All Buildings												
Cost to Reno & Reprogram			\$0.00			\$0.00			\$0.00			\$0.00
Total Addition Cost												
Total Career Technical			\$0.00			\$0.00			\$0.00			\$0.00
Project Cost			\$15,818,606.96			\$15,818,606.96			\$17,278,452.62			\$14,063,385.00
Asbestos Abatement			\$0.00			\$0.00			\$0.00			\$0.00
Demolition			\$0.00			\$0.00			\$0.00			\$0.00
Exclude Storm Shelter			—			—			—			—
Specific Allowance			\$269,364.39			\$269,364.39			\$285,454.09			\$197,941.81
Total Building Cost			\$16,087,971.35			\$16,087,971.35			\$17,563,906.71			\$14,261,326.81
Page Subtotal						\$64,001,176.22						
General Allowance						\$0.00						
Project Agreement LFI						\$7,147,582.19						
Co-Funded Project						\$153,569,249.71						
Total Project Cost						\$160,716,831.90						

350 rule.  
260 - 7th grade to be placed.  
90 student req. lfi

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Specific Allowances

Building	Category	Name	Amount	Comments	Cost Column	Include In Right Ratio
Cuyahoga Falls High	Site Development	Site Safety Access Allowance	\$300,000.00	Site Safety Access Allowance	Base CM & A/E Services	yes
Cuyahoga Falls High	LEED	LEED Allowance for building renovation	\$1,109,137.94		Base CM & A/E Services	no
[New] New 4-6 Elementary #1	Storm Shelter	Storm Shelter allowance (hardening 3,746 SF)	\$285,454.09		Base CM & A/E Services	no
[New] New PK-3 #3	Storm Shelter	Storm Shelter allowance (hardening 3,499 SF)	\$269,364.39		Base CM & A/E Services	no
[New] New PK-3 #2	Storm Shelter	Storm Shelter allowance (hardening 3,499 SF)	\$269,364.39		Base CM & A/E Services	no
[New] New PK-3 #1	Storm Shelter	Storm Shelter allowance (hardening 3,499 SF)	\$269,364.39		Base CM & A/E Services	no
[New] New 4-6 Elementary #2	Storm Shelter	Storm Shelter allowance (hardening 3,746 SF)	\$285,454.09		Base CM & A/E Services	no
[New] New 7 Grade	Storm Shelter	Storm Shelter allowance (hardening 2,402 SF)	\$197,941.81		Base CM & A/E Services	no
<b>Total</b>			<b>\$2,986,081.10</b>			

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**Project Agreement LFIs**

Building	Name	Amount	Comments
New 7 Grade	350 Rule LFI -- Square Footage	\$3,616,299.00	After placing 107 of the 7th grade students and all of the 8th grade students in the High School to eliminate excess space, there is only 260 of the 7th grade students remaining. 260 (students placed) - 350 (minimum students required) = 90 students LFI. 90 students x 151.00 sf/students = 13,890 sf x \$266.10/sf = \$3,616,299.00 LFI
New 7 Grade	350 Rule LFI -- Storm Shelter	\$35,318.87	After placing 107 of the 7th grade students and all of the 8th grade students in the High School to eliminate excess space, there is only 260 of the 7th grade students remaining. 260 (students placed) = 1,860 sf (to be hardened) 1,860 sf x \$87.43/sf = \$162,622.94. 350 (students) = 2,402 sf (to be hardened) 2,402 sf x \$82.41/sf = \$197,941.81 (350 students) - \$162,622.94 (260 students) = \$35,318.87 LFI
Cuyahoga Falls High	Cost to renovate space Auditorium Fixed Seating Area	\$2,197,692.78	
Cuyahoga Falls High	LEED Costs for space Auditorium Fixed Seating Area	\$45,152.21	
Cuyahoga Falls High	Cost to renovate space Board Offices	\$687,530.30	
Cuyahoga Falls High	LEED Costs for space Board Offices	\$16,556.42	
Cuyahoga Falls High	Cost to renovate space Auditorium Fixed Seating Area	\$539,160.69	
Cuyahoga Falls High	LEED Costs for space Auditorium Fixed Seating Area	\$9,871.92	
<b>Total</b>		<b>\$7,147,582.19</b>	

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# Master Plan Worksheets for Cuyahoga Falls High

## Reprogramming

Building Name: Cuyahoga Falls High  
 Current Grades Housed: 9-12 ()  
 Existing Building Size (SF): 304,476  
 OSDM Required Building Size: 273,351.36  
 Additional SF: 0  
 District Has Central Food Prep: no  
 Casework Replacment (Assessment Item J): yes  
 Large Restroom Fixture Replacement: no  
 Comprehensive Vocational: yes

**Projected Enrollment**  
**Level Enrollment**  
 High School 1,698

Oversized Spaces Review						
OSDM Space	Actual Size	Size Per Design Manual	Oversized Amount	Co-Funded	LFI	
Corridors	45,389	46,402	0	92,804	0	
Ag Ed		1,800	0	3,600	0	
Gymnasium	19,116	16,000	3,116	24,000	0	
Media Center	6,820	5,943	877	11,886	0	
Vocational	27,964	1,300	0	2,600	0	
Student Dining	10,447	9,905	542	19,810	0	
Kitchen	4,975	5,943	0	11,886	0	
Auxiliary Gym	3,548	7,000	0	10,500	0	
Non-OSDM Space	Actual Size	Size Per Design Manual	Oversized Amount	Co-Funded	LFI	
Auditorium Fixed Seating Area	12,395	0	12,395	012,395		
Board Offices	4,545	0	4,545	0 4,545		
Auditorium Fixed Seating Area	2,710	0	2,710	0 2,710		
<b>Total Oversized</b>			<b>24,185</b>	<b>19,650</b>		

Reprogramming Costs	
HARD COST SUB-TOTAL	\$0.00
CONSTRUCTION CONTINGENCY	\$0.00
SOFT COSTS (16.29%)	\$0.00
COST REGION ADJUSTMENT (103.60%)	\$0.00
<b>TOTAL REPROGRAMMING BUDGET</b>	<b>\$0.00</b>

Large Spaces Reprogramming					
Space	SF Undersized	% Undersized	Reprogram SF	Cost/SF	Cost
Auditorium		0.00%		\$0.00	\$0.00
Corridors	-1,013	2.18%		\$0.00	\$0.00
Ag Ed		0.00%		\$19.49	\$0.00
Gymnasium	0	0.00%	0	\$19.49	\$0.00
Media Center	0	0.00%	0	\$19.49	\$0.00
Vocational	0	0.00%		\$0.00	\$0.00
Student Dining	0	0.00%	0	\$19.49	\$0.00
Kitchen	-968	16.29%	0	\$60.00	\$0.00
Natorium		0.00%		\$0.00	\$0.00
Indoor Track		0.00%		\$0.00	\$0.00
Adult Education		0.00%		\$0.00	\$0.00
Board Offices		0.00%		\$0.00	\$0.00
Outside Agency		0.00%		\$0.00	\$0.00
Auxiliary Gym	-3,452	49.31%		\$0.00	\$0.00
<b>Total</b>			<b>0</b>		<b>\$0.00</b>

If existing area is being converted to ES space, use conversion budget as follows:  
 Conversion to PK-K Classroom per Room \$21,450.00  
 Conversion to 1-5 Classroom per Room \$7,700.00  
 Large Group Restroom conversion per SF \$13.00

Total Students  
 Est. Classrooms

Estimate Classroom Count & LGR Area	Adjusted Count & Area	Reprogramming Budget
PK-K Rooms	0	\$0.00
1-5 Rooms	0	\$0.00
Restrooms	0	\$0.00
<b>Total</b>		<b>\$0.00</b>



**LEED**

Building Name:	Cuyahoga Falls High
Current Grades Housed:	9-12 ()
Existing Building Size (SF):	304,476
Demolished Additions	0
Cost Per SF	\$246.55
Cost To Replace	\$75,068,557.80
Leed Allowance	\$1,109,137.94
OSDM Required Bldg Size:	273,351.36
Additional SF:	0

**LEED Allowance Funded and Project Agreement LFI**

Level	Required SF
Middle School	64,619.1
High School	190,999.38
Career Technical School	17,732.88
CT Program SF Required	6,023
<b>Total</b>	<b>279,374.36</b>
Level	SF Addition
Middle School	
High School	
Career Technical School	
CT Program New	0
Total SF Addition:	0
Total SF Required:	279,374.36
Total SF Addition:	0
SF Required minus SF Addition:	279,374.36

**Oversized Spaces**

Co-Funded SF:	4,535
Non-Co-Funded SF:	19,650
Total SF Oversized Spaces:	24,185

**Excess Space**

Excess Space SF:	-13,307
Excess SF Space CT:	14,224
Total SF Excess Space:	917

**LEED Allowance for Co-fundable Spaces:**

Total SF Required minus SF Addition:	279,374.36
Oversized Co-funded SF:	4,535
Total Co-fundable SF:	283,909
Total SF x Cost / SF:	283,909 x \$246.55 = \$69,997,763.95
1.5% LEED Allowance:	\$69,997,763.95 x 98.5% x 1.5% = \$1,034,216.96

**LEED Allowance for Non-Cofundable Spaces:**

Non-Cofunded SF - :	Auditorium Fixed Seating Area	12395
Total SF x Cost / SF:	12395 x 246.55 =	\$3,055,987.25
1.5% LEED Allowance:	\$3,055,987.25 x 98.5% x 1.5% =	\$45,152.21

Non-Cofunded SF - :	Board Offices	4545
Total SF x Cost / SF:	4545 x 246.55 =	\$1,120,569.75
1.5% LEED Allowance:	\$1,120,569.75 x 98.5% x 1.5% =	\$16,556.42

Non-Cofunded SF - :	Auditorium Fixed Seating Area	2710
Total SF x Cost / SF:	2710 x 246.55 =	\$668,150.50
1.5% LEED Allowance:	\$668,150.50 x 98.5% x 1.5% =	\$9,871.92

Non-Cofunded SF:	Excess Space	917
Total SF x Cost / SF:	917 x 246.55 =	\$226,086.35
1.5% LEED Allowance:	\$226,086.35 x 98.5% x 1.5% =	\$3,340.43

Non-Cofunded SF:	Excess Building Component OSDM Space	0
Total SF x Cost / SF:	0 x 246.55 =	\$0.00
1.5% LEED Allowance:	\$0.00 x 98.5% x 1.5% =	\$0.00

LEED Allowance Co-fundable:	\$1,034,216.96
LEED Allowance Non-Cofundable:	\$74,920.98
Total LEED Allowance:	\$1,109,137.94

**Co-Funded Oversized Spaces: Oversized Amount**

Corridors	0
Ag Ed	0
Gymnasium	3,116
Media Center	877
Vocational	0
Student Dining	542
Kitchen	0
Auxiliary Gym	0
<b>Total</b>	<b>4,535</b>

**Non-Cofunded Oversized Spaces: Oversized Amount**

Corridors	0
Ag Ed	0
Gymnasium	0
Media Center	0
Vocational	0
Student Dining	0
Kitchen	0
Auxiliary Gym	0
Auditorium Fixed Seating Area	12,395
Board Offices	4,545
Auditorium Fixed Seating Area	2,710
<b>Total</b>	<b>19,650</b>

**Cost Data**

**Complete Building Cost Data**

Total Cost To Renovate	\$56,851,752.33
M	\$304,476.00
N	\$532,833.00
U fire suppression ONLY	\$974,323.20
Subtotal	\$1,811,632.20
Contingency	\$126,814.25
Non-Construction Costs	\$315,772.93
Regional Cost Factor	\$81,151.90
Total Life Safety Cost	\$2,335,371.28
less total non-cofunded PALFI life safety	\$150,718.12
Total Co-Funded Life Safety Cost	\$2,184,653.18

**Auditorium Fixed Seating Area**

Cost to Renovate (Cost Factor applied):	\$2,292,764.08
M	\$12,395.00
N	\$21,691.25
U fire suppression ONLY	\$39,664.00
Sub Total	\$73,750.25
Contingency	\$5,162.52
Non-Construction Costs	\$12,854.89
Regional Cost Factor	\$3,303.64
non-cofunded PALFI life safety	\$95,071.30
Non-OSDM LEED Costs:	\$45,152.21

**Board Offices**

Cost to Renovate (Cost Factor applied):	\$722,391.07
M	\$4,545.00
N	\$7,953.75
U fire suppression ONLY	\$14,544.00
Sub Total	\$27,042.75
Contingency	\$1,892.99
Non-Construction Costs	\$4,713.63
Regional Cost Factor	\$1,211.38
non-cofunded PALFI life safety	\$34,860.75
Non-OSDM LEED Costs:	\$16,556.42

**Auditorium Fixed Seating Area**

Cost to Renovate (Cost Factor applied):	\$559,946.75
M	\$2,710.00
N	\$4,742.50
U fire suppression ONLY	\$8,672.00
Sub Total	\$16,124.50
Contingency	\$1,128.72
Non-Construction Costs	\$2,810.55
Regional Cost Factor	\$722.30
non-cofunded PALFI life safety	\$20,786.07
Non-OSDM LEED Costs:	\$9,871.92

**PALFI**

Total Enrollment	1,896
Middle School SF Required	64,619.1
High School SF Required	190,999.38
Career Technical School SF Required	17,732.88
CT Program SF Required	6,023
Existing Building SF	304,476
Total Oversized	24,185
Total Usable Building SF:	280,291
Addition or (Excess Space) SF:*	-917
* No addition or excess space if between 1,000 SF and -1,000 SF	

**LFI Calculation - Excess SF**

Building SF:**	284,826
Renovation Costs	\$53,276,650.44
Reprogramming Costs	\$0.00
Cost per SF to Renovate	\$187.05
Life Safety Costs	\$2,184,653.18
Co-Funded Life Safety Cost per SF	\$7.67
LFI Cost per SF	\$179.38
LEED Cost per SF	\$3.64
** Building SF does not include non-OSDM spaces	

**Project Agreement LFI For Non-OSDM Spaces Summary**

Auditorium Fixed Seating Area	
Cost to renovate space: Auditorium Fixed Seating Area	\$2,197,692.78
LEED Costs for Space: Auditorium Fixed Seating Area	\$45,152.21
Board Offices	
Cost to renovate space: Board Offices	\$687,530.30
LEED Costs for Space: Board Offices	\$16,556.42
Auditorium Fixed Seating Area	
Cost to renovate space: Auditorium Fixed Seating Area	\$539,160.69
LEED Costs for Space: Auditorium Fixed Seating Area	\$9,871.92

**Project Agreement LFI Excess Square Foot Summary**

Total Excess Square Footage Renovation PALFI:	\$0.00
Total Excess Square Footage LEED PALFI:	\$0.00
TOTAL PALFI for:Cuyahoga Falls High	\$3,495,964.32

**Project Agreement LFI Excess Square Foot Spaces**

Excess Building	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Corridors	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Ag Ed	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Gymnasium	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Media Center	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Vocational	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Student Dining	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Kitchen	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Auxiliary Gym	
Cost To Renovate Space 0 SF @ \$179.38/SF	\$0.00
LEED Cost For Space 0 SF @ \$3.64/SF	\$0.00
Non OSDM Spaces In OSDM Additions	
Cost to renovate space: 0 SF @ \$179.38/SF	\$0.00
LEED Costs for Space: 0 SF @ \$3.64/SF	\$0.00
Total Excess Square Footage Renovation PALFI:	\$0.00
Total Excess Square Footage LEED PALFI:	\$0.00

**100% Cap**

**Project Agreement Locally Funded Initiatives — Renovation**

Corridors	\$0.00
Ag Ed	\$0.00
Gymnasium	\$0.00
Media Center	\$0.00
Vocational	\$0.00
Student Dining	\$0.00
Kitchen	\$0.00
Auxiliary Gym	\$0.00
Non OSDM Spaces In OSDM Additions	\$0.00
Auditorium Fixed Seating Area	\$2,197,692.78
Board Offices	\$687,530.30
Auditorium Fixed Seating Area	\$539,160.69
Excess SF from Webtool	\$0.00
Total Renovation PALFI	\$3,424,383.77

**Project Agreement Locally Funded Initiatives — LEED Costs**

Corridors	\$0.00
Ag Ed	\$0.00
Gymnasium	\$0.00
Media Center	\$0.00
Vocational	\$0.00
Student Dining	\$0.00
Kitchen	\$0.00
Auxiliary Gym	\$0.00
Non OSDM Spaces In OSDM Additions	\$0.00
Auditorium Fixed Seating Area	\$45,152.21
Board Offices	\$16,556.42
Auditorium Fixed Seating Area	\$9,871.92
Excess SF from Webtool	\$0.00
<b>Total LEED PALFI</b>	<b>\$71,580.55</b>

**Right Ratio Calculations**

Cost of Renovation	\$56,851,752.33
Reprogramming	\$0.00
LEED Allowance	\$1,109,137.94
Non-Optional Demo Allowance	\$0.00
Non-Optional Abatement	\$0.00
Addition Cost	\$0.00
Other (specific allowance)	\$300,000.00
Total Building Cost	\$58,260,890.27
Total LFI's/Building	\$3,495,964.32
Revised Project Cost	\$54,764,925.95
Right Replacement	\$68,761,493.97
<b>100% Cap Differential</b>	<b>-\$13,996,568.02</b>

Negative numbers indicate the dollars remaining until project reaches 100% cap.  
Positive numbers indicate a need for 100% Cap LFI.

# Master Plan Worksheets for New 4-6 Elementary #1

## Storm Shelter

Storm shelter to be built as part of new construction	
ES enrollment	350
MS enrollment	184
HS enrollment	—
CTS enrollment	—
Staff	69
Total occupants	603
SF required for occupants (@ 5 SF / occupant)	3,015
Wheelchair occupants (@ 1 / 200 occupants)	4
Additional SF required for wheelchair occupants (@ 10 SF / wheelchair occupant)	40
Water closets required (@ 1 WC / 250 occupants for first 500; 1 WC / 500 occupants for the rest)	3
SF required for water closets (@ 15 SF / WC)	45
Lavatories required (@ 1 lavatory / 1,000 occupants)	1
SF required for lavatories (@ 9 SF / lavatory)	9
Required shelter SF	3,109
Usable space	83%
Required SF to allow for useless space ( $1 \div 83\% = 120\%$ )	3,746
Required SF with mechanical area (+ 0.0%)	3,746
<b>Total Required SF (+ 0.0% construction factor)</b>	<b>3,746</b>
SF cost (@ \$62.88 / SF hardened)	\$235,534.84
Peer review fees	\$15,000.00
Testing agency fees	\$25,000.00
Storm shelter construction cost	\$275,534.84
<b>Total storm shelter cost</b> (x 103.60% regional cost factor for Northeastern Ohio)	<b>\$285,454.09</b>

# Master Plan Worksheets for New PK-3 #3

## Storm Shelter

<b>Storm shelter to be built as part of new construction</b>	
ES enrollment	523
MS enrollment	—
HS enrollment	—
CTS enrollment	—
Staff	41
Total occupants	564
SF required for occupants (@ 5 SF / occupant)	2,820
Wheelchair occupants (@ 1 / 200 occupants)	3
Additional SF required for wheelchair occupants (@ 10 SF / wheelchair occupant)	30
Water closets required (@ 1 WC / 250 occupants for first 500; 1 WC / 500 occupants for the rest)	3
SF required for water closets (@ 15 SF / WC)	45
Lavatories required (@ 1 lavatory / 1,000 occupants)	1
SF required for lavatories (@ 9 SF / lavatory)	9
Required shelter SF	2,904
Usable space	83%
Required SF to allow for useless space (1 ÷ 83% = 120%)	3,499
Required SF with mechanical area (+ 0.0%)	3,499
<b>Total Required SF (+ 0.0% construction factor)</b>	<b>3,499</b>
SF cost (@ \$62.88 / SF hardened)	\$220,004.24
Peer review fees	\$15,000.00
Testing agency fees	\$25,000.00
Storm shelter construction cost	\$260,004.24
<b>Total storm shelter cost</b> (× 103.60% regional cost factor for Northeastern Ohio)	<b>\$269,364.39</b>

# Program of Requirements for Cuyahoga Falls High (Cuyahoga\_Falls\_Summit\_CFAP\_Draft\_Reno\_HS\_8\_12\_12\_14\_18)

**Errors:**

The POR contains an unfunded program: Marketing Technology.

The POR contains an unfunded program: Auto Technology.

POR square footage exceeds the maximum allowable.

POR SF/student exceeds the maximum allowable.

<b>SF per Student</b>		<b>Number of Low Bay Students:</b> 175		<b>Square Footage</b>			
<b>POR SF/Student</b>	102.26	<b>(not to exceed Maximum Allowable)</b>	<b>Number of High Bay Students:</b> 23	<b>Total POR SF</b>	20,247	<b>(not to exceed Maximum Allowable)</b>	
<b>Maximum Program SF/Student</b>	30.42	<b>(Maximum Allowable)</b>	<b>Number of High School Students:</b> 1243	<b>Maximum Program SF</b>	6,023	<b>(Maximum Allowable)</b>	
<b>OSDM Bracketed SF/Student</b>	136.00		<b>Funded Programs Low Bay: 50:1</b>				
			<b>Funded Programs High Bay 30:1</b>				
			<b>Low Bay Programs Requiring Funds :</b>	0	<b>OSDM Bracketed SF</b>	26,928	
			<b>High Bay Programs Requiring Funds :</b>	0			
<b>Assessing Consultant data 2018</b>			<b>POR Planner data Cost Set: 2018</b>				
<b>Program Type 1</b>							
<b>C0: Administrative &amp; Professional Support</b>			<b>C0: Administrative &amp; Professional Support</b>				
<b>Related Space</b>	<b>Existing Square Feet</b>	<b>Related Space</b>	<b>Funded Square Feet</b>	<b>Existing Square Feet</b>	<b>Proposed New Square Feet</b>	<b>Cost Per Square Foot</b>	<b>Total</b>
Laboratory	1062.00	Laboratory	1200	1062	0	\$243.40	\$0.00
Related Office		Related Office	120	0	0	\$243.40	\$0.00
Related Storage	118.00	Related Storage	200	118	0	\$243.40	\$0.00
Other		Other	0	0	0	\$0.00	\$0.00
<b>Total:</b>	<b>1,180</b>	<b>Total:</b>	<b>1,520</b>	<b>1,180</b>	<b>0</b>		<b>\$0.00</b>
<b>Other Spaces, Comments:</b>		Reprogrammed SF: 0.00					
		<b>Comments:</b>					
<b>C1: Business Management</b>			<b>C1: Business Management</b>				
<b>Related Space</b>	<b>Existing Square Feet</b>	<b>Related Space</b>	<b>Funded Square Feet</b>	<b>Existing Square Feet</b>	<b>Proposed New Square Feet</b>	<b>Cost Per Square Foot</b>	<b>Total</b>
Laboratory	861.00	Laboratory	1200	861	0	\$274.29	\$0.00
Related Office		Related Office	120	0	0	\$247.72	\$0.00
Related Storage		Related Storage	200	0	0	\$247.72	\$0.00
Other		Other	0	0	0	\$0.00	\$0.00
<b>Total:</b>	<b>861</b>	<b>Total:</b>	<b>1,520</b>	<b>861</b>	<b>0</b>		<b>\$0.00</b>
<b>Other Spaces, Comments:</b>		Reprogrammed SF: 0.00					
		<b>Comments:</b>					
<b>G1: Financial Services</b>			<b>G1: Financial Services</b>				
<b>Related Space</b>	<b>Existing Square Feet</b>	<b>Related Space</b>	<b>Funded Square Feet</b>	<b>Existing Square Feet</b>	<b>Proposed New Square Feet</b>	<b>Cost Per Square Foot</b>	<b>Total</b>
Laboratory	873.00	Laboratory	1200	873	0	\$247.72	\$0.00
Related Office		Related Office	120	0	0	\$247.72	\$0.00
Related Storage		Related Storage	200	0	0	\$247.72	\$0.00
Other		Other	0	0	0	\$0.00	\$0.00
<b>Total:</b>	<b>873</b>	<b>Total:</b>	<b>1,520</b>	<b>873</b>	<b>0</b>		<b>\$0.00</b>
<b>Other Spaces, Comments:</b>		Reprogrammed SF: 0.00					
		<b>Comments:</b>					
<b>N2: Network Systems</b>			<b>N2: Network Systems — not to receive funding</b>				
<b>Related Space</b>	<b>Existing Square Feet</b>	<b>Related Space</b>	<b>Funded Square Feet</b>	<b>Existing Square Feet</b>	<b>Proposed New Square Feet</b>	<b>Cost Per Square Foot</b>	<b>Total</b>
Laboratory	814.00	Laboratory	1200	814	0	\$244.49	\$0.00



Related Office		Related Office	120	0	0	\$244.49	\$0.00
Related Storage		Related Storage	200	0	0	\$244.49	\$0.00
Other		Other	0	0	0	\$0.00	\$0.00
<b>Total:</b>	<b>814</b>	<b>Total:</b>	<b>1,520</b>	<b>814</b>	<b>0</b>		<b>\$0.00</b>
<b>Other Spaces, Comments:</b>		Reprogrammed SF: 0.00					
		<b>Comments:</b>					
<b>Program Type 3</b>							
<b>[not funded]: Marketing Technology (Not in assessment design manual)</b>		<b>[not funded]: Marketing Technology — not to receive funding (Not in master plan design manual)</b>					
<b>Related Space</b>	<b>Existing Square Feet</b>	<b>Related Space</b>	<b>Funded Square Feet</b>	<b>Existing Square Feet</b>	<b>Proposed New Square Feet</b>	<b>Cost Per Square Foot</b>	<b>Total</b>
Laboratory	1050.00	Laboratory		1050	0		
CT-P3-2 Office	56.00	CT-P3-2 Office		56	0		
CT-P3-3 Storage	232.00	CT-P3-3 Storage		232	0		
Bookstore		Bookstore		0	0		
Display		Display		0	0		
Other	145.00	Other		145	0		
<b>Total:</b>	<b>1,483</b>	<b>Total:</b>	<b>0</b>	<b>1,483</b>	<b>0</b>		<b>\$0.00</b>
<b>Other Spaces, Comments:</b> "Other" is a Conference Room and Closet.		Reprogrammed SF: 0.00					
		<b>Comments:</b>					
<b>Program Type 4</b>							
<b>M1: Cosmetology</b>		<b>M1: Cosmetology — not to receive funding</b>					
<b>Related Space</b>	<b>Existing Square Feet</b>	<b>Related Space</b>	<b>Funded Square Feet</b>	<b>Existing Square Feet</b>	<b>Proposed New Square Feet</b>	<b>Cost Per Square Foot</b>	<b>Total</b>
Laboratory	1270.00	Laboratory	1600	1270	0	\$236.25	\$0.00
Related Classroom		Related Classroom	900	0	0	\$236.25	\$0.00
Related Office	96.00	Related Office	120	96	0	\$236.25	\$0.00
Related Storage		Related Storage	200	0	0	\$236.25	\$0.00
Related Changing Room	159.00	Related Changing Room	450	159	0	\$236.25	\$0.00
Dispensary		Dispensary	175	0	0	\$236.25	\$0.00
Laundry Room	98.00	Laundry Room	150	98	0	\$236.25	\$0.00
Facial Room		Facial Room	200	0	0	\$236.25	\$0.00
Manicure Room		Manicure Room	200	0	0	\$236.25	\$0.00
Customer Toilet		Customer Toilet	60	0	0	\$236.25	\$0.00
Other	90.00	Other	0	90	0	\$0.00	\$0.00
<b>Total:</b>	<b>1,713</b>	<b>Total:</b>	<b>4,055</b>	<b>1,713</b>	<b>0</b>		<b>\$0.00</b>
<b>Other Spaces, Comments:</b> "Other" is a small Kitchen.		Reprogrammed SF: 0.00					
		<b>Comments:</b>					
<b>Program Type 6</b>							
<b>[not funded]: Auto Technology (Not in assessment design manual)</b>		<b>[not funded]: Auto Technology — not to receive funding (Not in master plan design manual)</b>					
<b>Related Space</b>	<b>Existing Square Feet</b>	<b>Related Space</b>	<b>Funded Square Feet</b>	<b>Existing Square Feet</b>	<b>Proposed New Square Feet</b>	<b>Cost Per Square Foot</b>	<b>Total</b>
Laboratory	4972.00	Laboratory		7972	0		
CT-P6-2 Related Classroom		CT-P6-2 Related Classroom		0	0		
CT-P6-3 Office	90.00	CT-P6-3 Office		90	0		
CT-P6-4 Storage	342.00	CT-P6-4 Storage		342	0		
CT-P6-5 Changing Room		CT-P6-5 Changing Room		0	0		
Related Restroom		Related Restroom		0	0		
CT-P6-6 Tool Crib		CT-P6-6 Tool Crib		0	0		
CT-P6-7 Reference Room		CT-P6-7 Reference Room		0	0		
Engine Storage		Engine Storage		0	0		
Machine Room		Machine Room		0	0		
Flammable Material Storage		Flammable Material Storage		0	0		
CT-P6-8 Other		CT-P6-8 Other		0	0		
<b>Total:</b>	<b>5,404</b>	<b>Total:</b>	<b>0</b>	<b>8,404</b>	<b>0</b>		<b>\$0.00</b>
<b>Other Spaces, Comments:</b>		Reprogrammed SF: 0.00					
		<b>Comments:</b>					

# Master Plan Worksheets for New PK-3 #2

## Storm Shelter

<b>Storm shelter to be built as part of new construction</b>	
ES enrollment	523
MS enrollment	—
HS enrollment	—
CTS enrollment	—
Staff	41
Total occupants	564
SF required for occupants (@ 5 SF / occupant)	2,820
Wheelchair occupants (@ 1 / 200 occupants)	3
Additional SF required for wheelchair occupants (@ 10 SF / wheelchair occupant)	30
Water closets required (@ 1 WC / 250 occupants for first 500; 1 WC / 500 occupants for the rest)	3
SF required for water closets (@ 15 SF / WC)	45
Lavatories required (@ 1 lavatory / 1,000 occupants)	1
SF required for lavatories (@ 9 SF / lavatory)	9
Required shelter SF	2,904
Usable space	83%
Required SF to allow for useless space (1 ÷ 83% = 120%)	3,499
Required SF with mechanical area (+ 0.0%)	3,499
<b>Total Required SF (+ 0.0% construction factor)</b>	<b>3,499</b>
SF cost (@ \$62.88 / SF hardened)	\$220,004.24
Peer review fees	\$15,000.00
Testing agency fees	\$25,000.00
Storm shelter construction cost	\$260,004.24
<b>Total storm shelter cost</b> (× 103.60% regional cost factor for Northeastern Ohio)	<b>\$269,364.39</b>

# Master Plan Worksheets for New PK-3 #1

## Storm Shelter

<b>Storm shelter to be built as part of new construction</b>	
ES enrollment	523
MS enrollment	—
HS enrollment	—
CTS enrollment	—
Staff	41
Total occupants	564
SF required for occupants (@ 5 SF / occupant)	2,820
Wheelchair occupants (@ 1 / 200 occupants)	3
Additional SF required for wheelchair occupants (@ 10 SF / wheelchair occupant)	30
Water closets required (@ 1 WC / 250 occupants for first 500; 1 WC / 500 occupants for the rest)	3
SF required for water closets (@ 15 SF / WC)	45
Lavatories required (@ 1 lavatory / 1,000 occupants)	1
SF required for lavatories (@ 9 SF / lavatory)	9
Required shelter SF	2,904
Usable space	83%
Required SF to allow for useless space (1 ÷ 83% = 120%)	3,499
Required SF with mechanical area (+ 0.0%)	3,499
<b>Total Required SF (+ 0.0% construction factor)</b>	<b>3,499</b>
SF cost (@ \$62.88 / SF hardened)	\$220,004.24
Peer review fees	\$15,000.00
Testing agency fees	\$25,000.00
Storm shelter construction cost	\$260,004.24
<b>Total storm shelter cost</b> (× 103.60% regional cost factor for Northeastern Ohio)	<b>\$269,364.39</b>

# Master Plan Worksheets for New 4-6 Elementary #2

## Storm Shelter

<b>Storm shelter to be built as part of new construction</b>	
ES enrollment	351
MS enrollment	183
HS enrollment	—
CTS enrollment	—
Staff	69
Total occupants	603
SF required for occupants (@ 5 SF / occupant)	3,015
Wheelchair occupants (@ 1 / 200 occupants)	4
Additional SF required for wheelchair occupants (@ 10 SF / wheelchair occupant)	40
Water closets required (@ 1 WC / 250 occupants for first 500; 1 WC / 500 occupants for the rest)	3
SF required for water closets (@ 15 SF / WC)	45
Lavatories required (@ 1 lavatory / 1,000 occupants)	1
SF required for lavatories (@ 9 SF / lavatory)	9
Required shelter SF	3,109
Usable space	83%
Required SF to allow for useless space (1 ÷ 83% = 120%)	3,746
Required SF with mechanical area (+ 0.0%)	3,746
<b>Total Required SF (+ 0.0% construction factor)</b>	<b>3,746</b>
SF cost (@ \$62.88 / SF hardened)	\$235,534.84
Peer review fees	\$15,000.00
Testing agency fees	\$25,000.00
Storm shelter construction cost	\$275,534.84
<b>Total storm shelter cost</b> (× 103.60% regional cost factor for Northeastern Ohio)	<b>\$285,454.09</b>

# Master Plan Worksheets for New 7 Grade

## Storm Shelter

<b>Storm shelter to be built as part of new construction</b>	
ES enrollment	—
MS enrollment	350
HS enrollment	—
CTS enrollment	—
Staff	37
Total occupants	387
SF required for occupants (@ 5 SF / occupant)	1,935
Wheelchair occupants (@ 1 / 200 occupants)	2
Additional SF required for wheelchair occupants (@ 10 SF / wheelchair occupant)	20
Water closets required (@ 1 WC / 250 occupants for first 500; 1 WC / 500 occupants for the rest)	2
SF required for water closets (@ 15 SF / WC)	30
Lavatories required (@ 1 lavatory / 1,000 occupants)	1
SF required for lavatories (@ 9 SF / lavatory)	9
Required shelter SF	1,994
Usable space	83%
Required SF to allow for useless space (1 ÷ 83% = 120%)	2,402
Required SF with mechanical area (+ 0.0%)	2,402
<b>Total Required SF (+ 0.0% construction factor)</b>	<b>2,402</b>
SF cost (@ \$62.88 / SF hardened)	\$151,063.52
Peer review fees	\$15,000.00
Testing agency fees	\$25,000.00
Storm shelter construction cost	\$191,063.52
<b>Total storm shelter cost</b> (x 103.60% regional cost factor for Northeastern Ohio)	<b>\$197,941.81</b>