

Lusk Group

Recap with Total Cost

Project Name: Bernheim Middle

Bid ID: 2074

Report Time: 6/20/2024 10:25 AM

Profile Name: Standard

Labor Book: Lusk

Scoped By: Alternate: RFP#19 (A); System: DCW;

Lusk Group Recap with Total Cost

There were 2 calculation messages.

Project Name: Bernheim Middle

Page: 1 of 4

Bid ID: 2074

Report Time: 6/20/24 10:25 AM

Data Calculated: 6/20/2024 10:25:08 AM

Alternate: RFP#19 (A); System: DCW;

Pipe

Copper - Type L - 95/5

Material Multiplier: 505 - L&M HARD COP TUBE 1/2 & 3/4 - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Hard Tube	1/2	60	3.09	185.55	0.05	3	228	414

Material Multiplier: 517 - ""LG DIA COP TUBE 5 - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Hard Tube	1-1/2	90	12.46	1,121.84	0.07	6	479	1,601

Copper - Type L - 95/5 Totals:

		<u>150</u>		<u>1,307</u>		<u>9</u>	<u>707</u>	<u>2,014</u>
Pipe Totals:		<u>150</u>		<u>1,307</u>		<u>9</u>	<u>707</u>	<u>2,014</u>

Fittings

Copper - Pressure - 95/5

Material Multiplier: 540 - WROT COP FTG 1/4 - 2 EXCL 1/2 & 3/4 - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
90 Deg Elbow	1-1/2	4	16.66	66.66	0.56	2	170	237
Coupling	1/2	2	0.99	1.97	0.32	1	49	51
	1-1/2	4	9.15	36.59	0.56	2	170	207
Tee-Reducing	1-1/2x1-1/2x1/2	2	25.61	51.21	0.72	1	109	161

Material Multiplier: 545 - WROT COP FTG 1/2 & 3/4 - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
90 Deg Elbow	1/2	10	1.33	13.34	0.38	4	289	302
Cap	1/2	3	0.96	2.88	0.16	0	36	39
Tee	1/2	2	2.24	4.48	0.48	1	73	77

Material Multiplier: 551 - WROT COP FTG 2-1/2 & UP - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Tee	1-1/2	2	33.69	67.38	0.84	2	128	195

Copper - Pressure - 95/5 Totals:

		<u>29</u>		<u>245</u>		<u>13</u>	<u>1,024</u>	<u>1,269</u>
Fittings Totals:		<u>29</u>		<u>245</u>		<u>13</u>	<u>1,024</u>	<u>1,269</u>

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Page: 2 of 4

Bid ID: 2074

Report Time: 6/20/24 10:25 AM

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Alternate: RFP#19 (A); System: DCW;

Valves

Bronze - Soldered Ball - 95/5

Material Multiplier: 654 - NIBCO 32 BV 580 - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
125# Nib S-580								
	1-1/2	2	19.96	39.92	0.79	2	120	160

Material Multiplier: 9999 - DISCONTINUED PRODUCTS - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
125# Nib S-580								
	1/2	3	4.49	13.46	0.41	1	93	107

Bronze - Soldered Ball - 95/5 Totals:

5	53	3	214	267
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Valves Totals:	5	53	3	214	267
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Hanger Components

- Beam Clamps -

Material Multiplier: 1433 - BLINE BEAM CLMP - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Fig 93 Univ Bm Clmp								
	3/8	23	2.26	51.93	0.00	0	0	52

- Beam Clamps - Totals:

23	52	0	0	52
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- Clips & Rings -

Material Multiplier: 1435 - BLINE BEAM ATTACH - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Fig 104 Swivl Ring								
	2-1/2	12	4.95	59.40	0.00	0	0	59
	4	11	0.00	0.00	0.00	0	0	0

- Clips & Rings - Totals:

23	59	0	0	59
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- Rods -

Material Multiplier: 1467 - ALL THREAD ROD CBN OTHERS - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Allthread - Galv								
	3/8	92	0.37	34.04	0.00	0	0	34

- Rods - Totals:

92	34	0	0	34
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Page: 3 of 4

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Report Time: 6/20/24 10:25 AM

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Alternate: RFP#19 (A); System: DCW;

Hanger Components

- Saddles & Shields -

Material Multiplier: 1415 - ERICO PIPE HGR - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Fig 167 Insl Shield								
	2-1/2	12	5.08	60.92	0.23	3	210	271
	3-1/2	11	5.87	64.61	0.23	3	192	257
- Saddles & Shields - Totals:		<u>23</u>		<u>126</u>		<u>5</u>	<u>402</u>	<u>528</u>
Hanger Components Totals:		<u>161</u>		<u>271</u>		<u>5</u>	<u>402</u>	<u>673</u>

Labor

Hangers

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Clevis Hanger(HgrItem IBm&Tr HgRodBC)								
	2-1/2	12	0.00	0.00	0.50	6	456	456
	4	11	0.00	0.00	0.50	6	418	418
Hangers Totals:		<u>23</u>		<u>0</u>		<u>12</u>	<u>874</u>	<u>874</u>
Labor Totals:		<u>23</u>		<u>0</u>		<u>12</u>	<u>874</u>	<u>874</u>

Misc. Consumables

- Copper Joints Emory Cloth -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Emory Cloth								
	Emory Cloth	1	0.50	0.35	0.00	0	0	0
- Copper Joints Emory Cloth - Totals:		<u>1</u>		<u>0</u>		<u>0</u>	<u>0</u>	<u>0</u>

- Copper Joints Flux -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Flux								
	Sta-Brite Flux	1	3.55	3.29	0.00	0	0	3
- Copper Joints Flux - Totals:		<u>1</u>		<u>3</u>		<u>0</u>	<u>0</u>	<u>3</u>

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Project Name: Bernheim Middle

Page: 4 of 4

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Alternate: RFP#19 (A); System: DCW;

Misc. Consumables

- Copper Joints Solder -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Solder								
95/5		1	9.14	8.48	0.00	0	0	8
- Copper Joints Solder - Totals:		<u>1</u>		<u>8</u>		<u>0</u>	<u>0</u>	<u>8</u>

- Gases -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Gases								
Propane		45	1.10	49.83	0.00	0	0	50
- Gases - Totals:		<u>45</u>		<u>50</u>		<u>0</u>	<u>0</u>	<u>50</u>
Misc. Consumables Totals:		<u>48</u>		<u>62</u>		<u>0</u>	<u>0</u>	<u>62</u>

Misc. Steel Items

- Bolts,Nuts&Washers -

Material Multiplier: 6900 - PROSELECT FASTENERS - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Washers- Galvanized								
3/8		69	0.39	26.91	0.00	0	0	27

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Nuts - Galvanized								
3/8		92	0.25	23.00	0.00	0	0	23

- Bolts,Nuts&Washers - Totals:

		<u>161</u>		<u>50</u>		<u>0</u>	<u>0</u>	<u>50</u>
Misc. Steel Items Totals:		<u>161</u>		<u>50</u>		<u>0</u>	<u>0</u>	<u>50</u>

Material Cost

Total Hrs

Labor Cost

Total Cost

Grand Totals

\$1,988

42

~~\$3,221~~

~~\$5,209~~

* Items flagged with an asterisk may have their price and labor overwritten in Excel's Rapid Reports

Lusk Group

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Project Name: Bernheim Middle

Bid ID: 2074

Report Time: 6/20/2024 10:27 AM

Profile Name: Standard

Labor Book: Lusk

Scoped By: Alternate: RFP#19 (A); System: SW-AG;

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Page: 1 of 3

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Alternate: RFP#19 (A); System: SW-AG;

Pipe

PVC - Plain End Plastic Sch 40 - SolvWld

Material Multiplier: 1003 - PVC S40/DWV PIPE BE/PE 1-1/2 -4 - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Pipe								
2		30	1.53	45.90	0.06	2	137	183
PVC - Plain End Plastic Sch 40 - SolvWld Totals:								
		<u>30</u>		<u>46</u>		<u>2</u>	<u>137</u>	<u>183</u>
Pipe Totals:		<u>30</u>		<u>46</u>		<u>2</u>	<u>137</u>	<u>183</u>

Fittings

PVC - Hub x Hub Plastic DWV - SolvWld

Material Multiplier: 1072 - PVC DWV FTG 1-1/4 - 4 - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
1/4 Bend								
2		3	3.13	9.38	0.26	1	59	69
1/8 Bend								
2		1	2.96	2.96	0.23	0	17	20
Reducing Coupling								
1-1/2x1		1	3.37	3.37	0.22	0	17	20
San Tee								
2		1	5.15	5.15	0.33	0	25	30
San Tee - Red								
2x2x1-1/2		1	4.86	4.86	0.34	0	26	31
Wye - Reducing								
3x3x2		1	12.54	12.54	0.43	0	33	45
PVC - Hub x Hub Plastic DWV - SolvWld Totals:								
		<u>8</u>		<u>38</u>		<u>2</u>	<u>177</u>	<u>215</u>
Fittings Totals:		<u>8</u>		<u>38</u>		<u>2</u>	<u>177</u>	<u>215</u>

Hanger Components

- Beam Clamps -

Material Multiplier: 1433 - BLINE BEAM CLMP - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Fig 93 Univ Bm Clmp								
3/8		3	2.26	6.77	0.00	0	0	7
- Beam Clamps - Totals:								
		<u>3</u>		<u>7</u>		<u>0</u>	<u>0</u>	<u>7</u>

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Page: 2 of 3

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Alternate: RFP#19 (A); System: SW-AG;

Hanger Components

- Clevis -

Material Multiplier: 1433 - BLINE BEAM CLMP - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Fig 65 Clevis								
	2	3	0.86	2.57	0.00	0	0	3
- Clevis - Totals:		<u>3</u>	<u>0.86</u>	<u>2.57</u>	<u>0.00</u>	<u>0</u>	<u>0</u>	<u>3</u>

- Rods -

Material Multiplier: 1467 - ALL THREAD ROD CBN OTHERS - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Allthread - Galv								
	3/8	12	0.37	4.44	0.00	0	0	4
- Rods - Totals:		<u>12</u>	<u>0.37</u>	<u>4.44</u>	<u>0.00</u>	<u>0</u>	<u>0</u>	<u>4</u>

Hanger Components Totals:	<u>18</u>	<u>0.86</u>	<u>2.57</u>	<u>0.00</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>14</u>
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Labor

Hangers

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Clevis Hanger(HgrItem IBm&Tr HgRodBC)								
	2	3	0.00	0.00	0.50	2	114	114
Hangers Totals:		<u>3</u>	<u>0.00</u>	<u>0.00</u>	<u>0.50</u>	<u>2</u>	<u>114</u>	<u>114</u>
Labor Totals:		<u>3</u>	<u>0.00</u>	<u>0.00</u>	<u>0.50</u>	<u>2</u>	<u>114</u>	<u>114</u>

Misc. Consumables

- Plastic Joints Glue & Cleaner -

Material Multiplier: XNET - Net Material Price - 1.00

Item	Size	Quantity	Price	Mat. Cost	Unit Lab Hr	Total Hrs	Labor Cost	Total Cost
Glue & Cleaner								
Cement - PVC		0	5.89	0.23	0.00	0	0	0
Cleaner-All Purpose		0	6.33	0.25	0.00	0	0	0
- Plastic Joints Glue & Cleaner - Totals:		<u>0</u>	<u>5.89</u>	<u>0.23</u>	<u>0.00</u>	<u>0</u>	<u>0</u>	<u>0</u>
Misc. Consumables Totals:		<u>0</u>	<u>5.89</u>	<u>0.23</u>	<u>0.00</u>	<u>0</u>	<u>0</u>	<u>0</u>

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Page: 3 of 3

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Alternate: RFP#19 (A); System: SW-AG;

Misc. Steel Items

- Bolts,Nuts&Washers -

Material Multiplier: 6900 - PROSELECT FASTENERS - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Washers- Galvanized	3/8	9	0.39	3.51	0.00	0	0	4

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Nuts - Galvanized	3/8	12	0.25	3.00	0.00	0	0	3

- Bolts,Nuts&Washers - Totals:

<u>21</u>	<u>7</u>	<u>0</u>	<u>0</u>	<u>7</u>
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Misc. Steel Items Totals:	<u>21</u>	<u>7</u>	<u>0</u>	<u>0</u>	<u>7</u>
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Material Cost

Total Hrs

Labor Cost

Total Cost

Grand Totals

\$105

6

~~**\$428**~~

~~**\$533**~~

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Recap with Total Cost

Project Name: Bernheim Middle
Bid ID: 2074
Report Time: 6/21/2024 11:52 AM
Profile Name: Standard
Labor Book: Lusk
Scoped By: Alternate: RFP19 Deduct (A); System: DCW;

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Page: 1 of 4

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Alternate: RFP19 Deduct (A); System: DCW;

Pipe

Copper - Type L - 95/5

Material Multiplier: 505 - L&M HARD COP TUBE 1/2 & 3/4 - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Hard Tube								
	1/2	60	3.09	185.55	0.05	3	228	414
Copper - Type L - 95/5 Totals:								
		<u>60</u>		<u>186</u>		<u>3</u>	<u>228</u>	<u>414</u>
Pipe Totals:		<u>60</u>		<u>186</u>		<u>3</u>	<u>228</u>	<u>414</u>

Fittings

Copper - Pressure - 95/5

Material Multiplier: 540 - WROT COP FTG 1/4 - 2 EXCL 1/2 & 3/4 - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Coupling								
	1/2	2	0.99	1.97	0.32	1	49	51
Material Multiplier: 545 - WROT COP FTG 1/2 & 3/4 - 1.00								
90 Deg Elbow								
	1/2	2	1.33	2.67	0.38	1	58	60
Copper - Pressure - 95/5 Totals:								
		<u>4</u>		<u>5</u>		<u>1</u>	<u>106</u>	<u>111</u>
Fittings Totals:		<u>4</u>		<u>5</u>		<u>1</u>	<u>106</u>	<u>111</u>

Valves

Bronze - Soldered Ball - 95/5

Material Multiplier: 9999 - DISCONTINUED PRODUCTS - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
125# Nib S-580								
	1/2	2	4.49	8.98	0.41	1	62	71
Bronze - Soldered Ball - 95/5 Totals:								
		<u>2</u>		<u>9</u>		<u>1</u>	<u>62</u>	<u>71</u>
Valves Totals:		<u>2</u>		<u>9</u>		<u>1</u>	<u>62</u>	<u>71</u>

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Page: 2 of 4

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Report Time: 6/21/24 11:52 AM

Data Calculated: 6/21/2024 11:51:21 AM

Alternate: RFP19 Deduct (A); System: DCW;

Hanger Components

- Beam Clamps -

Material Multiplier: 1433 - BLINE BEAM CLMP - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Fig 93 Univ Bm Clmp	3/8	12	2.26	27.10	0.00	0	0	27
- Beam Clamps - Totals:		<u>12</u>		<u>27</u>		<u>0</u>	<u>0</u>	<u>27</u>

- Clips & Rings -

Material Multiplier: 1435 - BLINE BEAM ATTACH - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Fig 104 Swivl Ring	2-1/2	12	4.95	59.40	0.00	0	0	59
- Clips & Rings - Totals:		<u>12</u>		<u>59</u>		<u>0</u>	<u>0</u>	<u>59</u>

- Rods -

Material Multiplier: 1467 - ALL THREAD ROD CBN OTHERS - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Allthread - Galv	3/8	48	0.37	17.76	0.00	0	0	18
- Rods - Totals:		<u>48</u>		<u>18</u>		<u>0</u>	<u>0</u>	<u>18</u>

- Saddles & Shields -

Material Multiplier: 1415 - ERICO PIPE HGR - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Fig 167 Insl Shield	2-1/2	12	5.08	60.92	0.23	3	210	271
- Saddles & Shields - Totals:		<u>12</u>		<u>61</u>		<u>3</u>	<u>210</u>	<u>271</u>

Hanger Components Totals:		<u>84</u>		<u>165</u>		<u>3</u>	<u>210</u>	<u>375</u>
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Labor

Hangers

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Clevis Hanger(HgrItem IBm&Tr HgRodBC)	2-1/2	12	0.00	0.00	0.50	6	456	456

Lusk Group Recap with Total Cost

There were 2 calculation messages.

Project Name: Bernheim Middle

Page: 3 of 4

Bid ID: 2074

Report Time: 6/21/24 11:52 AM

Data Calculated: 6/21/2024 11:51:21 AM

Alternate: RFP19 Deduct (A); System: DCW;

Labor

Hangers

Hangers Totals:

	<u>12</u>	<u>0</u>	<u>6</u>	<u>456</u>	<u>456</u>
Labor Totals:	<u>12</u>	<u>0</u>	<u>6</u>	<u>456</u>	<u>456</u>

Misc. Consumables

- Copper Joints Emory Cloth -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Emory Cloth								
Emory Cloth		0	0.50	0.02	0.00	0	0	0
- Copper Joints Emory Cloth - Totals:		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

- Copper Joints Flux -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Flux								
Sta-Brite Flux		0	3.55	0.34	0.00	0	0	0
- Copper Joints Flux - Totals:		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

- Copper Joints Solder -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Solder								
95/5		0	9.14	0.88	0.00	0	0	1
- Copper Joints Solder - Totals:		<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>

- Gases -

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Gases								
Propane		4	1.10	4.75	0.00	0	0	5
- Gases - Totals:		<u>4</u>	<u>5</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5</u>

Misc. Consumables Totals:	<u>5</u>	<u>6</u>	<u>0</u>	<u>0</u>	<u>6</u>
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Lusk Group Recap with Total Cost

There were 2 calculation messages.

Project Name: Bernheim Middle

Page: 4 of 4

Bid ID: 2074

Report Time: 6/21/24 11:52 AM

Data Calculated: 6/21/2024 11:51:21 AM

Alternate: RFP19 Deduct (A); System: DCW;

Misc. Steel Items

- Bolts,Nuts&Washers -

Material Multiplier: 6900 - PROSELECT FASTENERS - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Washers- Galvanized								
	3/8	36	0.39	14.04	0.00	0	0	14

Material Multiplier: XNET - Net Material Price - 1.00

<u>Item</u>	<u>Size</u>	<u>Quantity</u>	<u>Price</u>	<u>Mat. Cost</u>	<u>Unit Lab Hr</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
Nuts - Galvanized								
	3/8	48	0.25	12.00	0.00	0	0	12

- Bolts,Nuts&Washers - Totals:

<u>84</u>	<u>26</u>	<u>0</u>	<u>0</u>	<u>26</u>
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Misc. Steel Items Totals:	<u>84</u>	<u>26</u>	<u>0</u>	<u>0</u>	<u>26</u>
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<u>Material Cost</u>	<u>Total Hrs</u>	<u>Labor Cost</u>	<u>Total Cost</u>
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Grand Totals	\$396	14	\$1,062	\$1,459
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* Items flagged with an asterisk may have their price and labor overwritten in Excel's Rapid Reports



Change Order #KES-0005 - RFP-19

Creator	Keith Joseph (Kentuckiana Electrical Services)	Total cost	3,867.15 USD
Assignee	Keith Joseph (Kentuckiana Electrical Services)	Reason	Design change
Status	Pending approval	Reference number	—
Due date	—	Schedule impact?	No
Description	Teacher Resource Room 106 Changes		

Response (rev.0)

Responded by	—	Responded on	—
Notes	—		
Attachments	—		

Cost (rev.0)

Submitted by	Keith Joseph (Kentuckiana Electrical Services)	Submitted on	06/25/2024
Notes	—		
Backup documents	—		

Cost summary (USD)	
Materials	3,683.00
Labor	—
Equipment	—
Subcontractor	—
Other	—
Markups	184.15
Final Markups	—
Total	3,867.15

Submitter signature _____ Date _____

Approver signature _____ Date _____



Cost breakdown (rev.0)

Materials

#	ITEM NAME	QUANTITY	UNIT TYPE	UNIT COST (USD)	ITEM COST (USD)
1	Add Duplex Receptacle	2.0	Each	329.00	658.00
2	Add #12 THHN	600.0	Linear feet	4.00	2,400.00
3	Add 3/4" EMT	100.0	Linear feet	9.00	900.00
4	Remove Smoke Detector	-1.0	Each	275.00	-275.00
MATERIALS					3,683.00

SUBTOTAL

3,683.00

Cost breakdown (rev.0) - Continued

Markups

#	ITEM NAME	APPLIED TO (USD)	PERCENTAGE	ITEM COST (USD)
1	Material Mark-Up	Materials: 3,683.00 USD	5.00%	184.15
			MARKUPS	184.15
			SUBTOTAL + MARKUPS	3,867.15

TOTAL

3,867.15

REQUEST FOR PROPOSAL

PROJECT:	Bernheim Middle School Renovation Shepherdsville, KY	REQUEST FOR PROPOSAL NO.:	19
OWNER:	Bullitt County Public Schools 1040 Highway 44 East Shepherdsville, KY 40165	DATE:	13-Jun-2024
TO CONTRACTOR:	Calhoun Construction Services, Inc. 7707 National Turnpike Louisville, KY 40218	ARCHITECT:	Studio Kremer Architects 1231 S Shelby Street Louisville, KY 40203
		ARCHITECT'S PROJECT NO.:	2022-36 BG# 23-051

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN

Description:

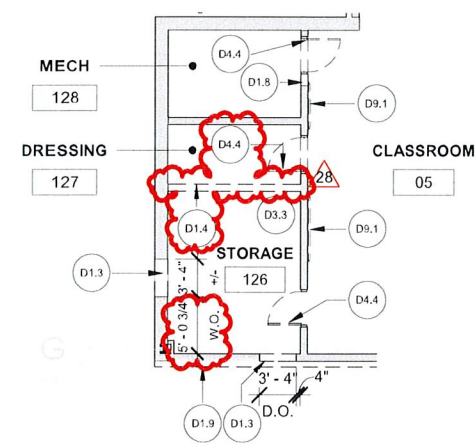
Provide price proposal for the following:

- Item 1:** REFERENCE ASK-11.1 AND ASK-11.2
- Removed Room 107A and door 107A to expand the Teachers Resource Room (Room 106).
 - Base cabinets and countertop to be located on the plan north and west wall.
 - A sink and refrigerator are to be located on the plan north wall.
 - An open countertop is located on the plan east wall.
 - A 3 5/8" stud with 5/8" has been added to the plan north wall for plumbing.
- Item 2:** REFERENCE P3.1A, P3.2A, P8.0
- Added piping to new sink in RM 106
 - Added connection for future ice maker
- Item 3:** REFERENCE M3.1A
- Modified Mechanical layout due to room expansion
- Item 4:** REFERENCE E3.1, E4.1, E7.1
- Modified lighting layout due to room expansion.
 - Modified electrical outlet locations due to casework addition in RM 106

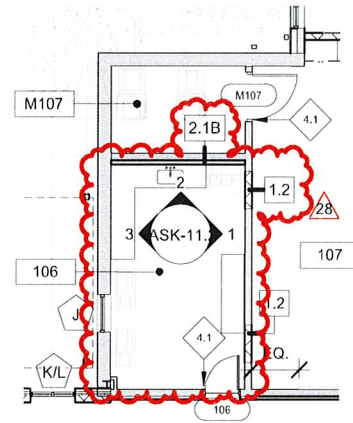
Attachments:

PDF: ASK-11.1, ASK-11.2, P3.1A, P3.2A, P8.0, M3.1A, E3.1, E4.1, E7.1

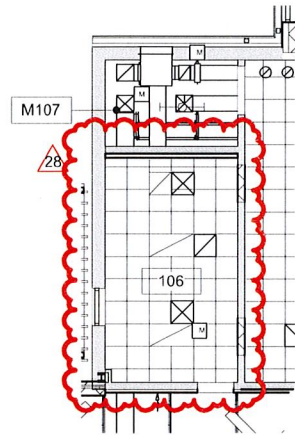
ISSUED:	18-Jun-2024	ARCHITECT:	studio kremer architects
CONTRACTOR:	Calhoun Construction Services, Inc.	BY:	Stephanie Satterfield



① TEACHERS RESOURCE- DEMO- REP-19
3/32" = 1'-0"



② TEACHER RESOURCE RM 106- RFP-19
3/32" = 1'-0"



③ TEACHER RESOURCE RM RCP- RFP-19
3/32" = 1'-0"

KEYNOTE LEGEND

4.1	NEW DOOR AND FRAME, REF. DOOR SCHEDULE.
D1.3	NEATLY CUT EXISTING WALL FOR NEW DOOR OR WINDOW OPENING, REF. NEW WORK PLANS AND DOOR SCHEDULE FOR DETAILS (SHORE AS REQUIRED), REF. STRUCTURAL DRAWINGS FOR NEW LINTEL TO SUPPORT MASONRY TO REMAIN. IF ANY UTILITIES ARE ENCOUNTERED, NOTIFY ARCHITECT/ENGINEER FOR DIRECTION.
D1.4	REMOVE AND DISPOSE OF EXISTING PARTITION ASSEMBLY, COMPLETE, INCLUDING ALL ASSOCIATED HARDWARE AND STRUCTURAL SUPPORTS. IF ANY UTILITIES ARE ENCOUNTERED, NOTIFY ARCHITECT/ENGINEER FOR DIRECTION.
D1.8	NEATLY CUT EXISTING WALL TO ALLOW FOR WIDER DOOR OPENING. (SHORE AS REQUIRED), REF. STRUCTURAL DRAWINGS FOR NEW LINTEL TO SUPPORT MASONRY TO REMAIN. IF ANY UTILITIES ARE ENCOUNTERED, NOTIFY ARCHITECT/ENGINEER FOR DIRECTION.
D1.9	EXISTING BRICK VENEER TO BE REMOVED COMPLETELY TO CMU. SALVAGE FIELD BRICK AND ACCENT BRICK FOR RE-USE.
D3.3	REMOVE AND DISPOSE OF GYP. BOARD CEILING ASSEMBLY, COMPLETE.
D4.4	REMOVE AND DISPOSE OF EXISTING DOOR, HARDWARE, AND FRAME, COMPLETE.
D8.2	REMOVE AND DISPOSE OF EXISTING CASEWORK, COMPLETE. COORDINATE CAPPING OF ANY UTILITIES WITH MEP DRAWINGS. PATCH AND PAINT WALL TO MATCH ADJACENT CONSTRUCTION.
D9.1	REMOVE EXISTING MARKER OR TACK BOARD. IF BOARD HAS NOT BEEN GLUED TO THE WALL, DISPOSE. IF BOARD HAS BEEN GLUED TO THE WALL, REMOVE AND DISPOSE OF ALL MATERIAL IN A LAWFUL MANNER AND IN COORDINATION WITH ABATEMENT SCOPE OF WORK AND TESTING.

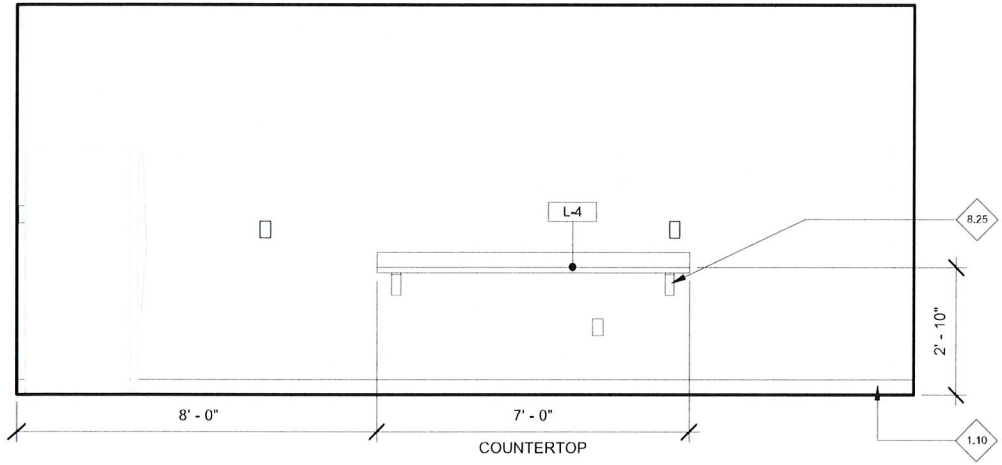


studio **kremer** architects
1231 S. Shelby St. Louisville, KY 40203
502.498.1100 fax 502.499.1100

BULLITT COUNTY PUBLIC SCHOOLS
BERNHEIM MIDDLE SCHOOL RENOVATION
700 Audubon Drive

RFP-19

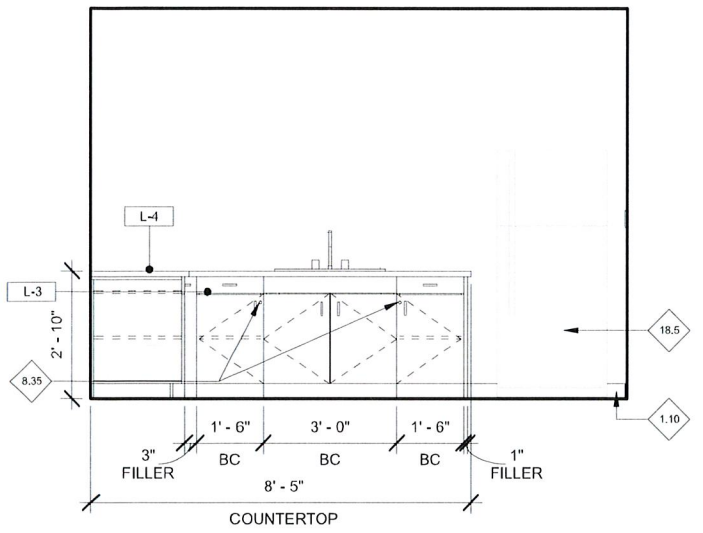
title / description:
TEACHER RESOURCE ROOM
project no.: 2022_36 sketch no.:
date: 05/12/2024
drawn by: SBSS
checked by: CMV
scale: 3/32" = 1'-0" reference date:
6/12/2024 2:19:52 PM



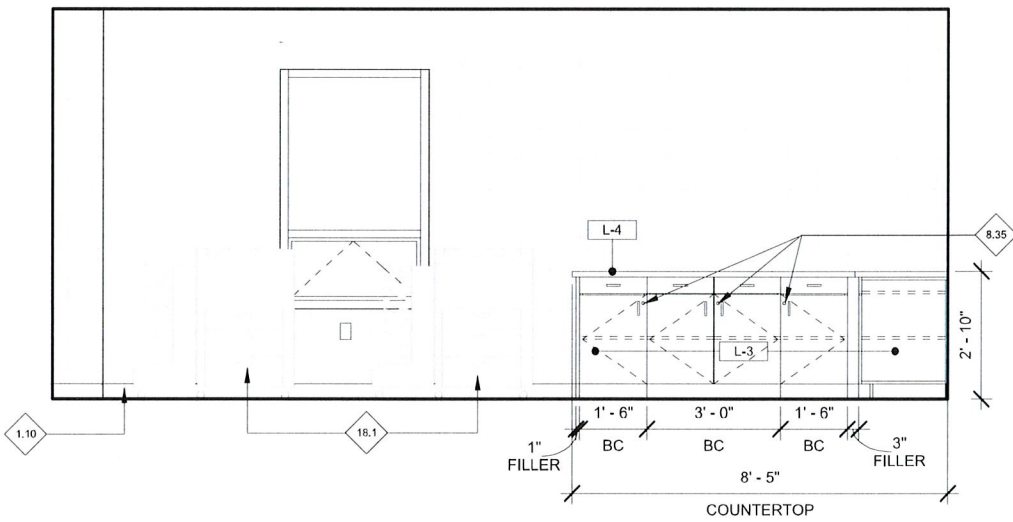
KEYNOTE LEGEND

1.10	WALL BASE, REF. FINISH SCHEDULE.
8.25	NEW MOUNTING BRACKETS @ 2'-0" O.C.
8.35	LOCKABLE BASE CABINET.
18.1	COPY MACHINE, O.F.O.I. COORDINATE WITH DATA AND POWER REQUIREMENTS, REF. ELECTRICAL AND TECHNOLOGY DRAWINGS.
18.5	FULL SIZE REFRIGERATOR, O.F.O.I.

① ELEVATION- TEACHER RESOURCE RM 1
3/8" = 1'-0"



② ELEVATION- TEACHER RESOURCE RM 2
3/8" = 1'-0"



③ ELEVATION- TEACHER RESOURCE RM 3
3/8" = 1'-0"

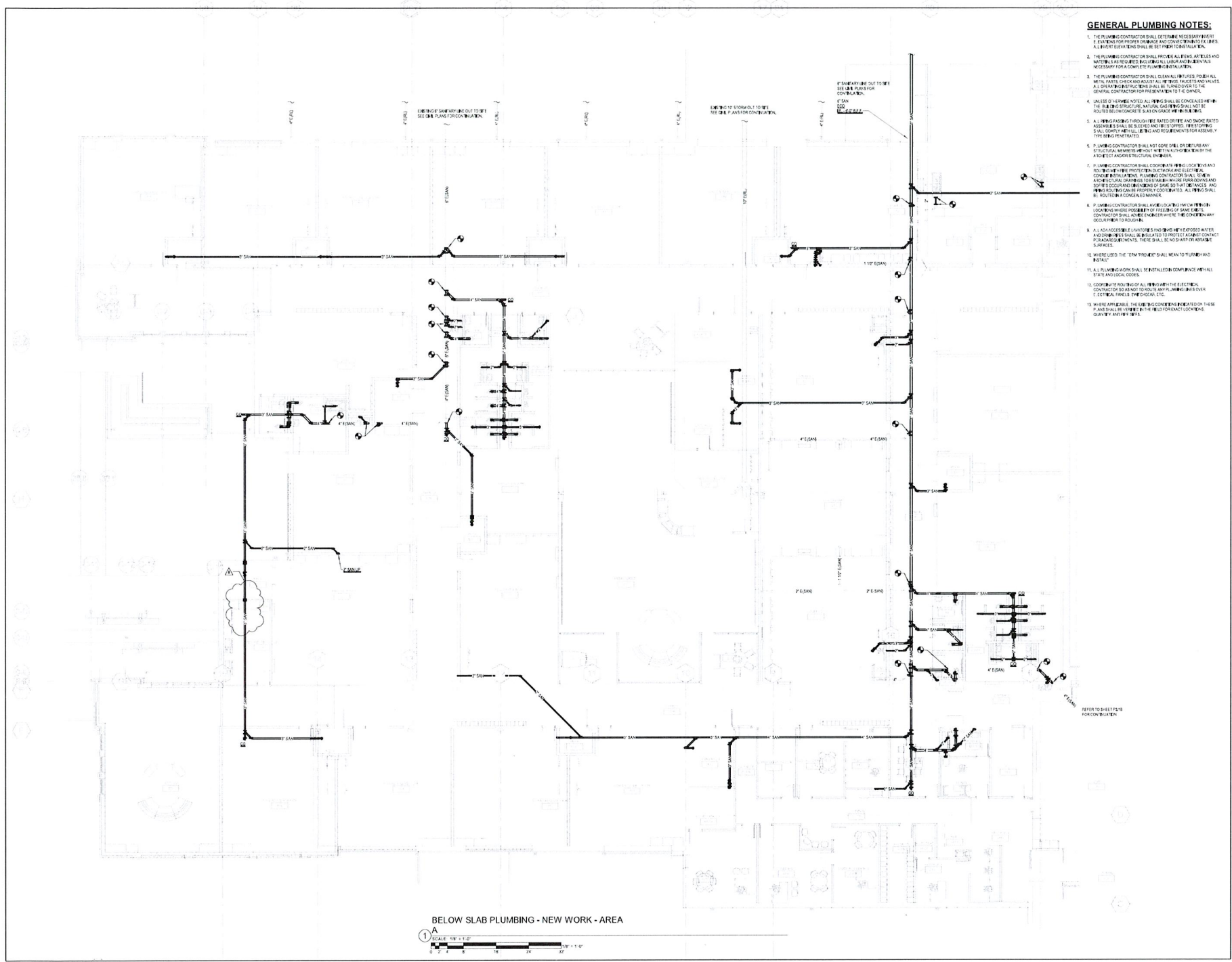


studios **kramer** architects
1231 S Shelby St. Louisville, KY 40203
502.496.1100 fax 502.496.1100

BULLITT COUNTY PUBLIC SCHOOLS
BERNHEIM MIDDLE SCHOOL RENOVATION
700 Audubon Drive

RFP-19
title / description:
TEACHER RESOURCE RM- ELEV.
project no.: 2022-38 sketch no.:
date: 06/27/24
drawn by: SRS
checked by: CNV
scale: 3/8" = 1'-0" reference comp:
6/12/2024 2:19:32 PM

ASK-11.2



- GENERAL PLUMBING NOTES:**
1. THE PLUMBING CONTRACTOR SHALL DETERMINE NECESSARY RISERS & EXITS FOR PROPER DRAINAGE AND CONVEYANCE OF WASTEWATER. ALL RISERS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF BIRMINGHAM PLUMBING CODE.
 2. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL RISERS, AIR VALVES AND AIR RELEASE VALVES. ALL RISERS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF BIRMINGHAM PLUMBING CODE. RISERS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF BIRMINGHAM PLUMBING CODE.
 3. THE PLUMBING CONTRACTOR SHALL SEAL ALL PIPES FOR ALL METAL PIPES CHECK AND SEALS AT THE JOINTS AND SHALL ALL OPENING RESTRICTIONS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR FINISHES TO THE GENERAL CONTRACTOR.
 4. UNLESS OTHERWISE NOTED ALL RISERS SHALL BE CONCEALED WITHIN THE CONCRETE SLAB ON GRADE. RISERS SHALL BE CONCEALED WITHIN THE CONCRETE SLAB ON GRADE. RISERS SHALL BE CONCEALED WITHIN THE CONCRETE SLAB ON GRADE.
 5. ALL RISERS SHALL BE INSTALLED THROUGH THE SLAB ON GRADE AND SHALL BE INSTALLED THROUGH THE SLAB ON GRADE. RISERS SHALL BE INSTALLED THROUGH THE SLAB ON GRADE.
 6. PLUMBING CONTRACTOR SHALL NOT CORE DRILL OR DRILL ANY OTHER HOLES THROUGH THE SLAB ON GRADE WITHOUT THE ARCHITECT AND STRUCTURAL ENGINEER'S APPROVAL.
 7. PLUMBING CONTRACTOR SHALL COORDINATE ALL RISERS WITH ALL OTHER MECHANICAL, ELECTRICAL AND PLUMBING CONTRACTORS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL RISERS WITH ALL OTHER MECHANICAL, ELECTRICAL AND PLUMBING CONTRACTORS.
 8. ALL RISERS SHALL BE INSTALLED THROUGH THE SLAB ON GRADE AND SHALL BE INSTALLED THROUGH THE SLAB ON GRADE. RISERS SHALL BE INSTALLED THROUGH THE SLAB ON GRADE.
 9. WHERE USED THE 'NEW WORK' SHALL MEAN TO SUBMIT AND INSTALL.
 10. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH ALL CITY AND LOCAL CODES.
 11. COORDINATE ROUTING OF ALL RISERS WITH THE ELECTRICAL CONTRACTOR SO AS NOT TO ROUTE ANY PIPING OVER OR UNDER ELECTRICAL PANELS, ETC.
 12. WHERE APPLICABLE THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL RISERS WITH ALL OTHER MECHANICAL, ELECTRICAL AND PLUMBING CONTRACTORS.

BELOW SLAB PLUMBING - NEW WORK - AREA A
 SCALE: 1/8" = 1'-0"
 1


INTEGRATED BID SET - CONSTRUCTION DOCUMENTS

PLUMBING NEW WORK - BELOW SLAB
 - AREA A
 BERNHIRM MIDDLE SCHOOL RENOVATION
1777 NUMBER 6 AVENUE
 BIRMINGHAM, AL 35203


SG# 23-051
 DATE: 08/20/23
 DRAWN BY: JMC
 CHECKED BY: JMC
 REVISIONS

22-036

P3.1A



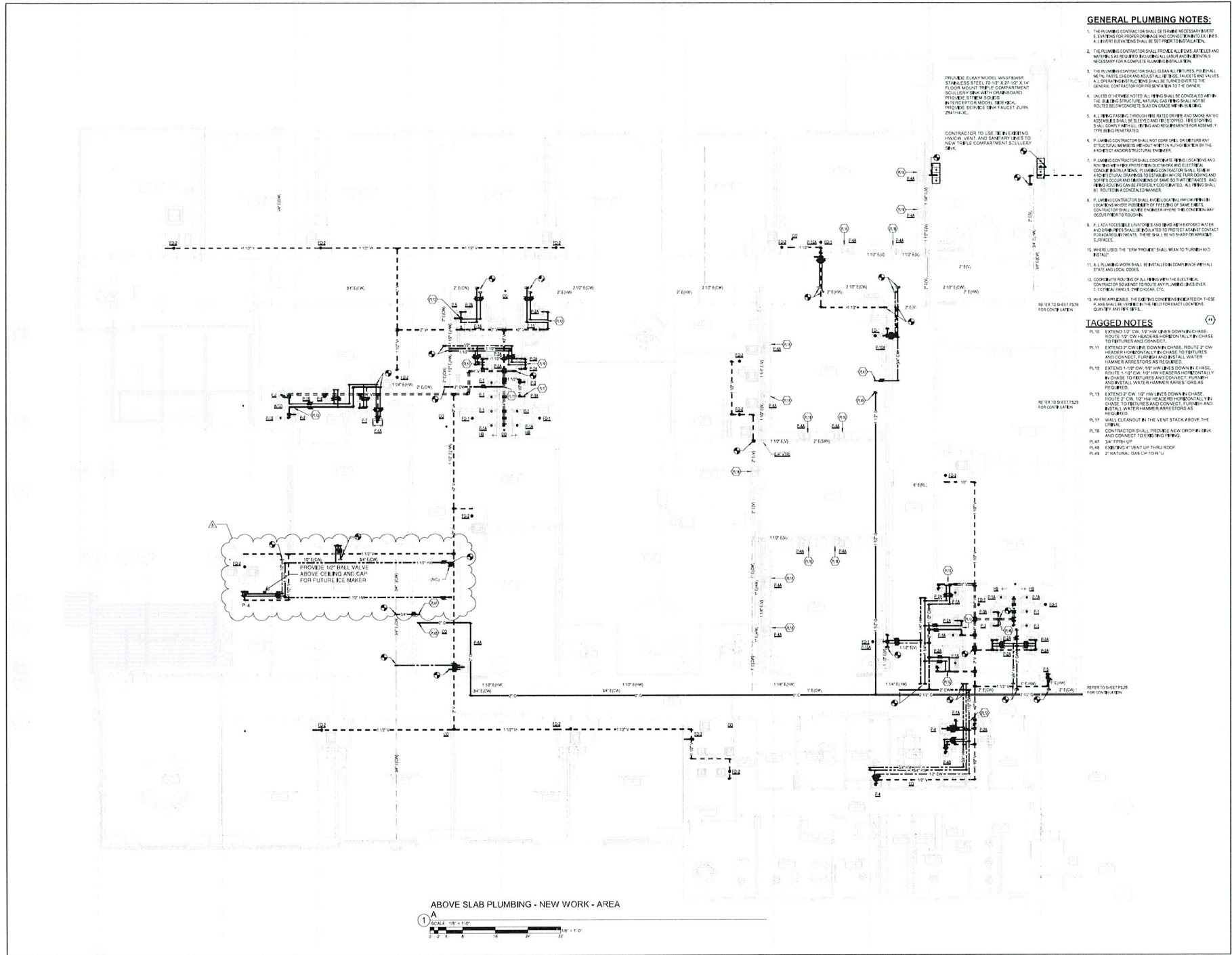
CMTA
 A LEBENTRACE COMPANY



REGISTERED PROFESSIONAL ENGINEER
 STATE OF ALABAMA
 LICENSE NO. 12345
 EXPIRES 12/31/2025



REGISTERED PROFESSIONAL ENGINEER
 STATE OF ALABAMA
 LICENSE NO. 67890
 EXPIRES 12/31/2025



GENERAL PLUMBING NOTES:

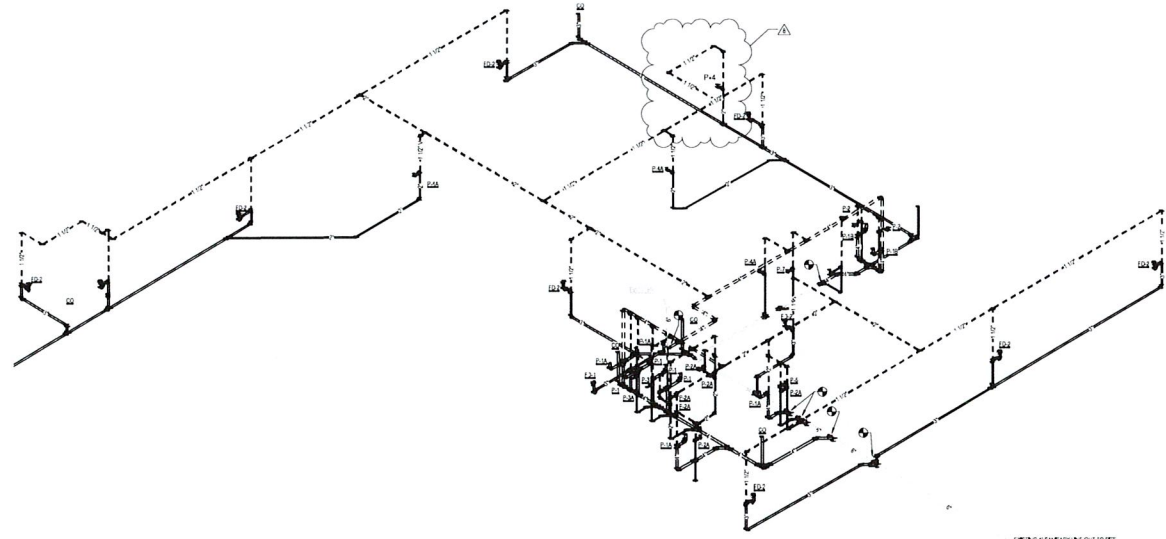
1. THE PLUMBING CONTRACTOR SHALL DETERMINE NECESSARY HEIGHT ELEVATIONS FOR DRAINAGE AND CONNECTIONS TO THE MAIN DRAINAGE SYSTEM. ALL WATER FIXTURES SHALL BE SET TO THE MAIN DRAINAGE SYSTEM.
2. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY METALS AND MATERIALS FOR THE COMPLETE PLUMBING INSTALLATION.
3. THE PLUMBING CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES, METALS AND MATERIALS AS SHOWN ON THE DRAWINGS. ALL PLUMBING SHALL BE INSTALLED TO THE MAIN DRAINAGE SYSTEM. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT.
4. UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE CONCEALED UNDER THE FLOOR FINISH. ALL PIPING SHALL BE CONCEALED UNDER THE FLOOR FINISH. ALL PIPING SHALL BE CONCEALED UNDER THE FLOOR FINISH.
5. ALL PIPING SHALL BE INSTALLED TO THE MAIN DRAINAGE SYSTEM. ALL PIPING SHALL BE INSTALLED TO THE MAIN DRAINAGE SYSTEM. ALL PIPING SHALL BE INSTALLED TO THE MAIN DRAINAGE SYSTEM.
6. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY METALS AND MATERIALS FOR THE COMPLETE PLUMBING INSTALLATION.
7. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY METALS AND MATERIALS FOR THE COMPLETE PLUMBING INSTALLATION.
8. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY METALS AND MATERIALS FOR THE COMPLETE PLUMBING INSTALLATION.
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13. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY METALS AND MATERIALS FOR THE COMPLETE PLUMBING INSTALLATION.
14. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY METALS AND MATERIALS FOR THE COMPLETE PLUMBING INSTALLATION.
15. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY METALS AND MATERIALS FOR THE COMPLETE PLUMBING INSTALLATION.

TAGGED NOTES

- PL10 EXTEND 1\"/>
- PL11 EXTEND 2\"/>
- PL12 EXTEND 1\"/>
- PL13 EXTEND 2\"/>
- PL14 EXTEND 1\"/>
- PL15 EXTEND 1\"/>
- PL16 EXTEND 1\"/>
- PL17 EXTEND 1\"/>
- PL18 EXTEND 1\"/>
- PL19 EXTEND 1\"/>
- PL20 EXTEND 1\"/>
- PL21 EXTEND 1\"/>
- PL22 EXTEND 1\"/>
- PL23 EXTEND 1\"/>
- PL24 EXTEND 1\"/>
- PL25 EXTEND 1\"/>
- PL26 EXTEND 1\"/>
- PL27 EXTEND 1\"/>
- PL28 EXTEND 1\"/>
- PL29 EXTEND 1\"/>
- PL30 EXTEND 1\"/>

INTEGRATED BID SET - CONSTRUCTION DOCUMENTS

	<p>CMTA A LEGISLATIVE COMPANY</p>						
<p>NOT TO BE USED FOR CONSTRUCTION</p>							
<p>THIS DOCUMENT WAS PREPARED FOR CONTRACTIVE USE DURING CONSTRUCTION. USE OF THIS DOCUMENT DOES NOT RELEASE CONTRACTORS RESPONSIBILITY TO OBTAIN, VERIFY, AND EXECUTE INFORMATION INDICATED BY ADDENDA NO. 1, 2, 3.</p>							
<p>PLUMBING NEW WORK - ABOVE SLAB - AREA A BERNHAM MIDDLE SCHOOL RENOVATION</p>							
<p>BGM 23-051 DATE: 05/03/23 DRAWN BY: AMG CHECKED BY: JTE</p>							
<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	DESCRIPTION			
NO.	DATE	DESCRIPTION					
<p>22-036</p>							
<p>P3.2A</p>							



22-036 WASTE AND VENT RISER DIAGRAM - AREA A-1

INTEGRATED BID SET - CONSTRUCTION DOCUMENTS

PLUMBING RISER DIAGRAM
 BERNHEIM MIDDLE SCHOOL RENOVATION
 22-036

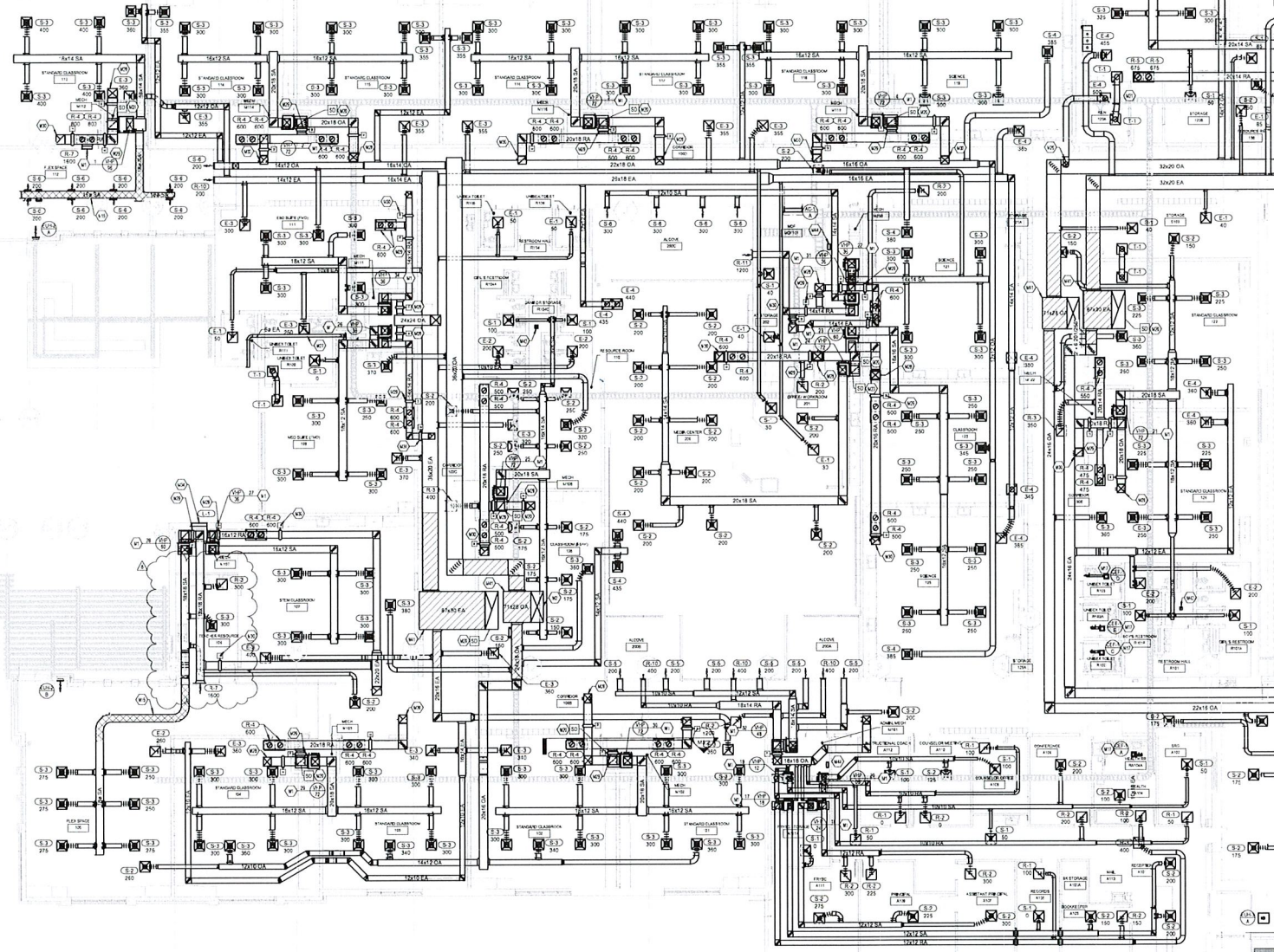
EG# 23-051
 DATE: 06/09/2023
 DRAWN BY: JHE
 CHECKED BY: JHE
 REVISIONS

P8.0

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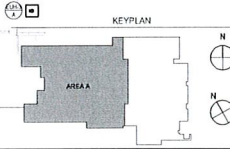


STUDIO KENNEDY ARCHITECTS
 1321 S. 5TH AVE., SUITE 202
 NEW YORK, NY 10014
 TEL: 212.261.1100 FAX: 212.261.1101
 S T U D I O




- TAGGED NOTES**
- M1 NEW VERTICAL HEAT PLUMB REFER TO HEAT PLUMB DETAIL FOR MORE INFORMATION
 - M2 12" DIA DUCT UP TO DOCK LIFT ON ROOF. ALL UNFINISHED WORK TO BE EXPOSED. EXPOSED WORK TO BE COVERED WITH 1/2" GYP BOARD. REFER TO MECHANICAL SPECIFICATIONS FOR MORE INFORMATION. HIGHER DUCTWORK MUST BE PROTECTED ABOVE COILING TO BE SELECTED BY ARCHITECT. REFER TO ARCHITECTURAL DRAWING PLANS FOR ALL EXPOSED WORK LOCATIONS.
 - M3 12" DIA MOUNTED EXHAUST FAN ROUTE # SA DUCT UP THROUGH ROOF. TERMINATE DUCT WITH ROOF CURB, BRIDGE AND HOOD CAP.
 - M4 DUCT MOUNTED ABOVE ELECTRICAL EQUIPMENT MUST HAVE 1/2" GYP BOARD ELECTRICAL CONTINUOUSLY ABOVE DUCT. REFER TO ELECTRICAL DRAWINGS FOR DUCT TO TRANSFER FROM AIR ROOM TO AIR ROOM. REFER TO MECHANICAL SPECIFICATIONS.
 - M5 12" DIA DUCT UP TO EXHAUST FAN ON ROOF. REFER TO MECHANICAL ROOF PLAN FOR CONTINUATION.
 - M6 12" DIA EXHAUST FAN. PROVIDE OTHER SCHEDULED TRAP AND CLEANOUT. TERMINATE VENT AT EXTERIOR WALL. SEE SCHEDULE FOR VENT WALL CAP.
 - M7 EXTENDED UNINSULATED DUCT UP TO ROOF AND HOOD ROOM. PROVIDE INSULATED DAMPER IN DUCT FOR ECONOMIC OPERATION. DAMPER TO BE FULLY CLOSED FOR NON-ECONOMIC OPERATION.
 - M8 ECONOMIC FURN DAMPER. DAMPER TO BE FULLY CLOSED DAMPER ONLY TO CLOSE DURING ECONOMIC OPERATION.
 - M9 12" DIA EXHAUST FAN. PROVIDE OTHER SCHEDULED TRAP AND CLEANOUT. TERMINATE VENT AT EXTERIOR WALL. SEE SCHEDULE FOR VENT WALL CAP.
 - M10 NEW LOUVER TO PROVIDE ECONOMIC INTAKE FOR ECONOMIC OPERATION. PROVIDE OTHER SCHEDULED TRAP AND CLEANOUT. TERMINATE VENT AT EXTERIOR WALL. SEE SCHEDULE FOR VENT WALL CAP.
 - M11 ALL MECHANICAL DUCTWORK TO BE FULLY INSULATED. REFER TO MECHANICAL SPECIFICATIONS FOR MORE INFORMATION.
 - M12 12" DIA DUCT TO REMAIN AT 90° AND WITH 90° ELBOW AND VENT IF BRIDGE/RAILWAY TO 100' DIA.
 - M13 12" DIA PANEL. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

1 AIR DISTRIBUTION - NEW WORK - AREA A
SCALE: 1/8" = 1'-0"



INTEGRATED BID SET - CONSTRUCTION DOCUMENTS



CMTA
A LEICESTER COMPANY

INTEGRATED BID SET
 AIR DISTRIBUTION - NEW WORK - AREA A
 BERNHEIM MIDDLE SCHOOL RENOVATION
 PROJECT NO. 23-051

DATE: 05/16/2023
 DRAWN BY: JH
 CHECKED BY: JH
 PROJECT NO.: 23-051
 SHEET NO.: M3.1A

22-036

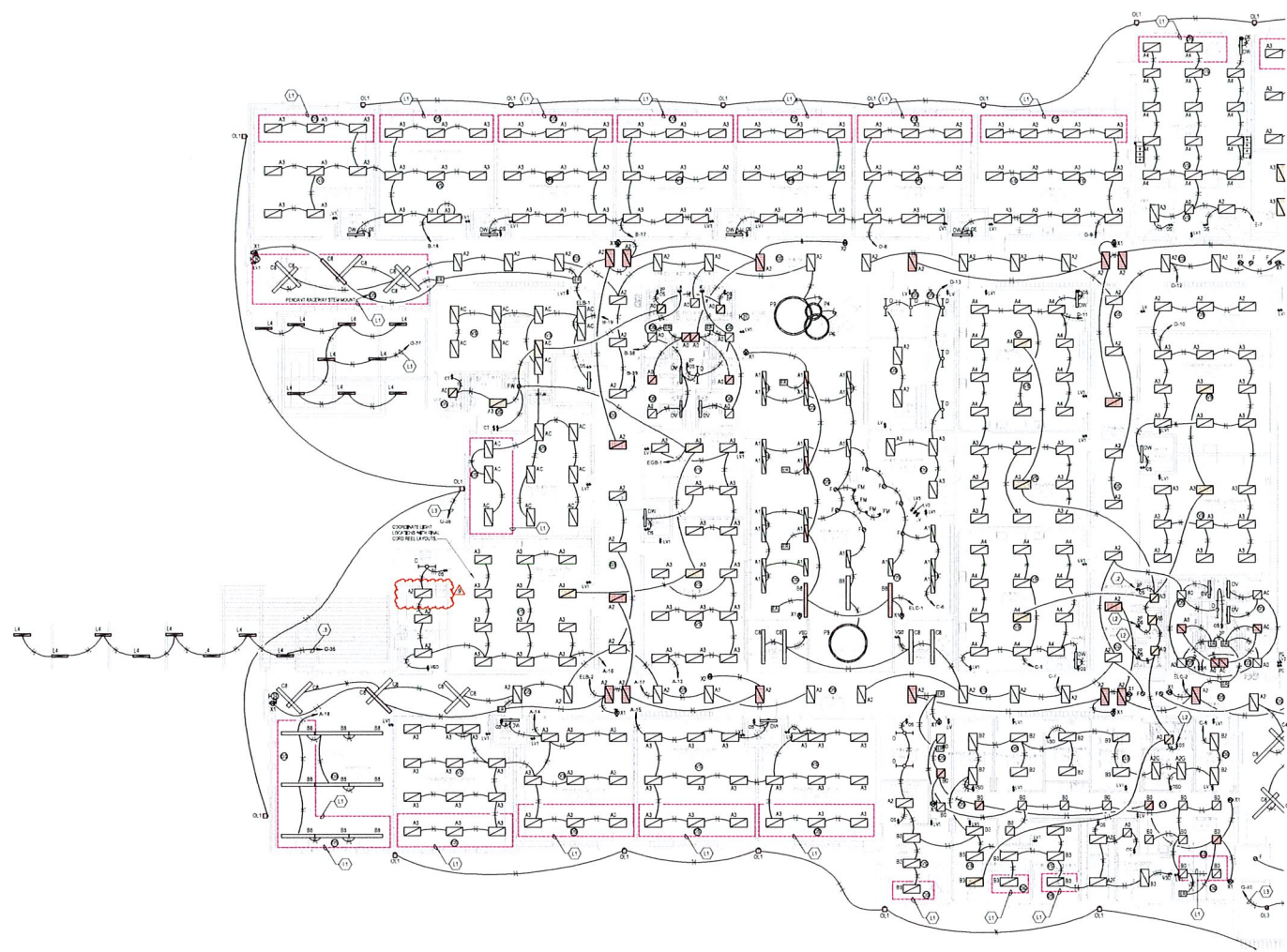
M3.1A

REVISED CONTRACT AGREEMENT
 1231 S. 20th St., Lincoln, NE 68502
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J. H. JOHNSON
 PROFESSIONAL ENGINEER
 STATE OF NEBRASKA
 LICENSE NO. 10117

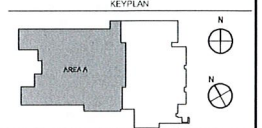
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1 PARTIAL FIRST FLOOR LIGHTING - AREA A
SCALE: 3/32" = 1'-0"

- GENERAL NOTES (LIGHTING):**
- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANE ELEVATIONS AND COLORS OF LIGHT FOR EXACT LOCATION OF ALL WALL AND CEILING LIGHTS.
 - B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUIT LAYOUT AS INDICATED ON THE FLOOR PLAN WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HORIZONTAL CIRCUIT BRANCH CIRCUIT. PROVIDE WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE COLORED BLUE. CONTRACTOR SHALL IDENTIFY ALL NEUTRAL CONDUCTORS WITH THE SAME COLOR BY MEANS INDICATED. CONTRACTOR SHALL IDENTIFY ALL NEUTRAL CONDUCTORS WITH THE SAME COLOR BY MEANS INDICATED. CONTRACTOR SHALL IDENTIFY ALL NEUTRAL CONDUCTORS AS REQUIRED FOR E.C. 303.17 AND ANOTHER MULTIPLE BRANCH CIRCUIT (MBC) AS REQUIRED FOR E.C. 303.17(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

- KEYNOTES**
- 1. NEW DAYLIGHT ZONE (DZ) LIGHTING SHALL BE CONTROLLED FROM ROOM ZONE SWITCH AS WELL AS 5-20V DIMMABLE DIMMER. DIMMER RELAY TRANSFER SWITCH SHALL BE CONTROLLED BY ROOM ZONE SWITCH. FULL DUPLEX UPON LOSS OF NORMAL POWER. REFER TO OTHER FOR REQUIREMENTS.
 - 2. INTERLOCK RESTORER (R) AND MANUAL SWITCH PROVIDED POLE OCCUPANCY SENSOR OR OCCUPANCY RELAY FOR POWER PACK DRIVE.
 - 3. ROUTE OCCUPANCY SENSOR CONTROL RELAY AND EMERGENCY TRANSFER SWITCH FOR CONTROL OF OUTDOOR LIGHTS.



INTEGRATED BID SET - CONSTRUCTION DOCUMENTS

PARTIAL FIRST FLOOR LIGHTING - AREA A

BERNHIRM MIDDLE SCHOOL RENOVATION

EG# 23-051

DATE: 10/20/24
DRAWN BY: [REDACTED]
CHECKED BY: [REDACTED]

REVISIONS

2022-36

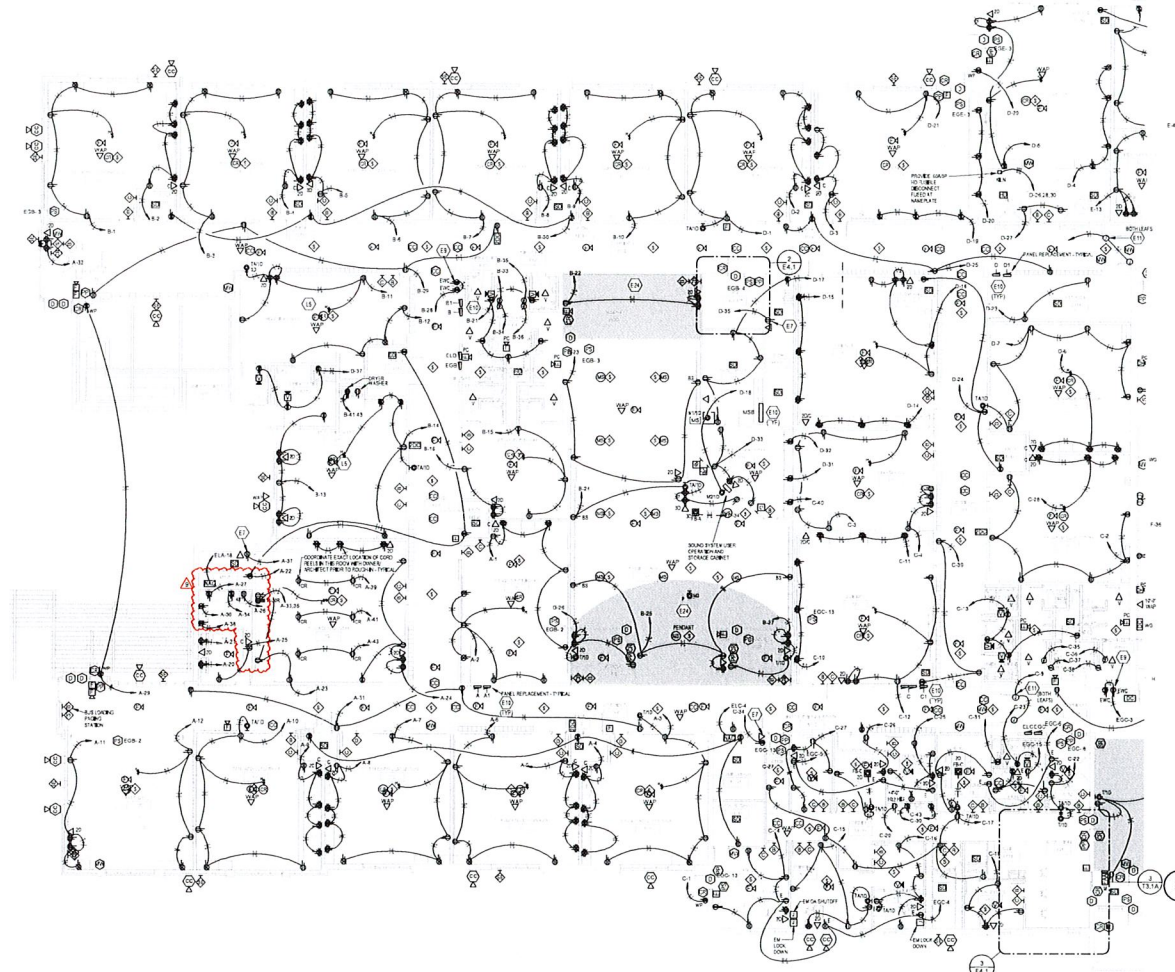
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 NO. 1, 2, 3, 4

1231 S. STATE ST. SUITE 400
 CHICAGO, IL 60605
 TEL: 312.467.1800 FAX: 312.467.1810

PRISING NEW ROOF ROOM AND ASSOCIATED SYSTEMS SECURITY, FIRE ALARMS, ACCESS CONTROL, ETC. SHALL BE TEMPORARILY PRISED INTO EXISTING WALL TO SUPPORT NEW WORK. REFER TO PRISING PLAN.

2 ENLARGED MDP 101
SCALE: 1/4" = 1'-0"



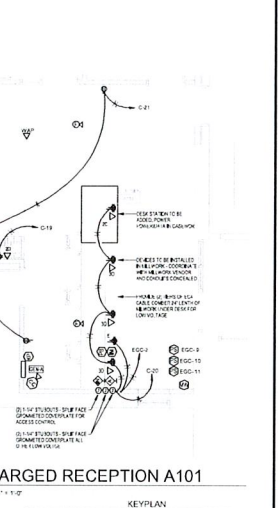
1 PARTIAL FIRST FLOOR POWER - AREA A
SCALE: 3/32" = 1'-0"

GENERAL NOTES (POWER/SYSTEMS):

- REFER TO THE ARCHITECT'S REFLECTED FINISH PLANS, ELEVATIONS AND CASWORK SCHEDULES FOR THE LOCATION OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT AS INDICATED ON THE FLOOR PLANS. (WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER TERMINAL, EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DESIGNATED NEUTRAL CONDUCTOR. DESIGNATED NEUTRAL CONDUCTORS SHALL BE CONDUCTORS OF THE SAME CURRENT CARRYING CAPACITY AS THE BRANCH CIRCUITS AND SHALL BE PROVIDED WITH THE SAME PROTECTIVE DEVICES AS THE BRANCH CIRCUITS AS DESIGNATED BY THE ARCHITECT. NEUTRAL CONDUCTORS SHALL NOT BE PROVIDED.
- VERIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROJECT CLEAR ADHESIVE LABELS WITH BLACK LETTERING IN PLASTIC LABEL FACILITATE EASY EMERGENCY USE. CONDUCTORS SHALL BE PRISED CAREFULLY. MAKE NOTICES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 404.6.
- LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL CONNECTIONS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO INSURE ACCESS AND PROTECT LEAKAGE BY MINIMUM PERIOD. NOTIFY OTHER TRADES OF SCHEDULED CLEARANCE AREAS AND PROVIDE OTHER TRADES THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER PLUMBING OR MECHANICAL EQUIPMENT OR THROUGH ACCESS/Maintenance CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- REFER TO SYSTEM INSTALLATION WATER/ON SYSTEMS LEGEND SHEET AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT" STUBUPS TO THE SHORTEST CONDUIT LENGTH AND THE SHORTEST PATH. REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PRINT ALL SYSTEMS EQUIPMENT STUBUPS LIGHT BLUE FOR SYSTEMS TO BE INSTALLED TO THE CONDUIT RUNS. PROVIDE WALL STUBUPS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLE INSTALLATION.
- CONDUIT DEVICES ROUGH-IN AT EXTERIOR WALL ARE TO BE NOTED WITH LENGTH OF FACEWAY AS REQUIRED CUT FLUSH WITH EXTERIOR WALL TO ALLOW FOR CHANGE TO ROUNDED CORNER CONDUIT. CONDUIT SHALL BE SUPPORTED TO THE WALL. CONDUIT SHALL BE WEATHER SEALED. CONDUIT SHALL BE WEATHER SEALED.
- DEVICE ELEVATIONS ARE TO BE COORDINATED PRIOR TO ROUGH-IN.
- ALL ELECTRIC WATER COOLERS (EWC) TO BE PROVIDED WITH A GFCI TYPE CIRCUIT BREAKER.

KEYNOTES

- PROVIDE POWER AND NETWORK DROP TO HVAC CONTROL PANEL. PROVIDE 100% CONNECTION AND TRIM BORES AS REQUIRED. COORDINATE FACT ROUGH-IN WITH MECHANICAL CONTRACTOR.
- CONCEAL RECEPTACLES BEHIND ELECTRIC WATER COOLERS (EWC) OR MECHANICAL EQUIPMENT. PROVIDE OVERHEADS FOR ALL EWC CIRCUITS.
- INTERCEPT AND EXTEND EWC FEEDER TO NEW POWER PANEL. PROVIDE ELEGANT FEEDER TO NEW POWER PANEL. PROVIDE ELEGANT FEEDER TO NEW POWER PANEL AND EXTENDING TO NEW POWER PANEL. PROVIDE ELEGANT FEEDER TO NEW POWER PANEL FOR EXTENDING TO REMAIN LOADS.
- EMULSION-HOLD GREEN. PROVIDE 120V BEE ALARM MOUNTED IN HALLWAY. PROVIDE 120V BEE ALARM MOUNTED TO WALL.
- EMULSION-HOLD GREEN. PROVIDE 120V BEE ALARM MOUNTED TO WALL.
- EMULSION-HOLD GREEN. PROVIDE 120V BEE ALARM MOUNTED TO WALL.



3 ENLARGED RECEPTION A101
SCALE: 1/4" = 1'-0"



INTEGRATED BID SET - CONSTRUCTION DOCUMENTS

<p>INTEGRATED BID SET - CONSTRUCTION DOCUMENTS</p> <p><small>100% COMPLETE</small></p>
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2022-36

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