



W.T. RICH COMPANY, INC.

Manchester Memorial
Elementary School
Manchester-by-the-Sea, MA

MONTHLY CONSTRUCTION REPORT



Owner:
Manchester Essex Regional School
District
Manchester-by-the-Sea, MA

Owner's Project Manager:
Dore & Whittier Management Partners

Designer:
JCJ Architecture
Boston, MA

Construction Manager:
W. T. RICH COMPANY, INC.
29 Crafts Street, Suite 300
Newton, MA 02458
617-467-6010

January 2020

**Manchester Memorial Elementary School
Monthly Construction Report Summary – January 2020**

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**Manchester Memorial Elementary School
Monthly Construction Report Summary – January 2020**

SECTION 2 - PROJECT SCHEDULE UPDATE

Summary:

Our attached schedule update has a **data date of 1/31/19**, so is inclusive of all progress through this date. Below are several notes in summary of progress and anticipated schedule, shown in our schedule update.

Permitting:

- Local AHJ required to review phase 2 proposed layout and logistics for occupancy.

Phase 1 – Upcoming Critical Path Milestones (per Updated P6 Schedule):

MILESTONE ACTIVITY	TARGET COMPLETION	ACTUAL COMPLETION DATE
AVB Complete	3/9/20	
Masonry Veneer Complete	4/17/20	
2 nd Floor Rough-in	3/18/20	
1 st Floor Rough-in	4/7/20	
2 nd Floor Finishes for WTR WTC list	6/3/20	
1st Floor Finishes for WTR WTC list	6/15/20	
Startups and Pretesting	5/15/20	

January Summary of Progress:

- CMU Stair Shafts installed.
- Exterior Framing and sheathing 85%.
- Ready to start AVB.
- Mockup erected.
- SOG Poured.
- 2nd Floor Interior Framing 90% complete.
- 2nd Floor – Interior MEP Rough-ins about 50% complete.
- 1st Floor – Framing starting.
- 1st Floor – Interior MEP Rough-ins starting.

February Look Ahead:

- Stair #1 to be erected and poured.
- Permanent power work order from NGrid.
- National Grid Gas work order to be completed.
- Interior Framing to be complete. Blocking installed on 2nd floor, ready up walls in classrooms.
- Rough-in MEP/FP proceeding on the 2nd and 1st floor.
- AVB installation to start.
- Brick and CMU deliveries scheduled. Masonry Veneer to start end of the month.

**Manchester Memorial Elementary School
Monthly Construction Report Summary – January 2020**

SECTION 2 – PROGRESS PHOTOS



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43 Lincoln Street
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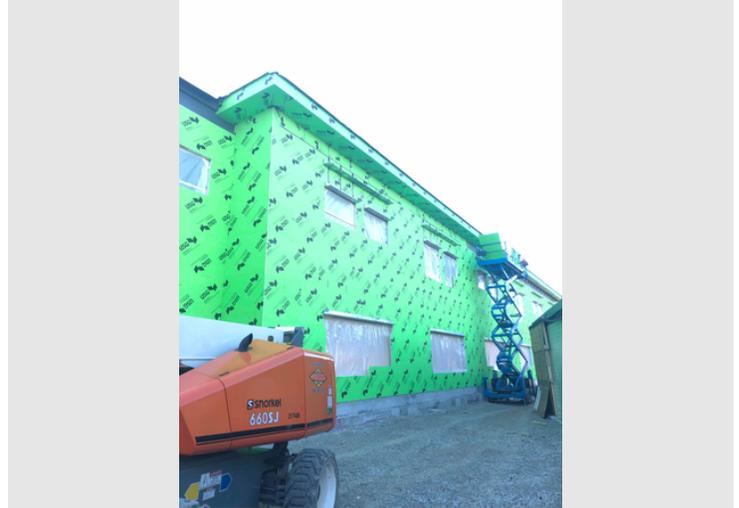
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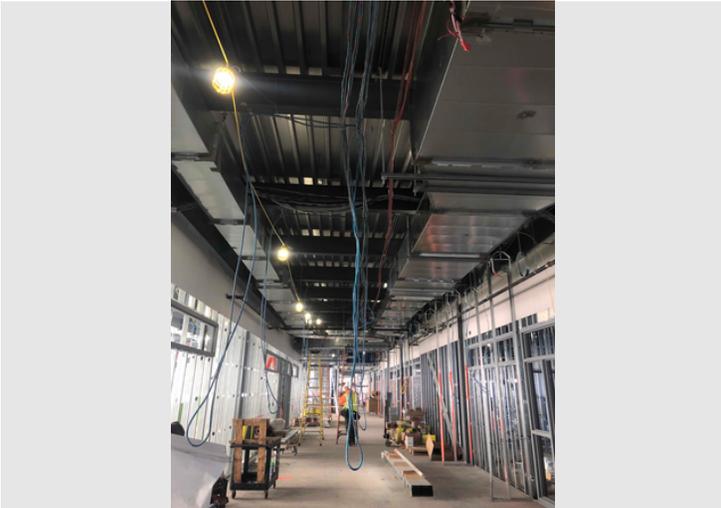
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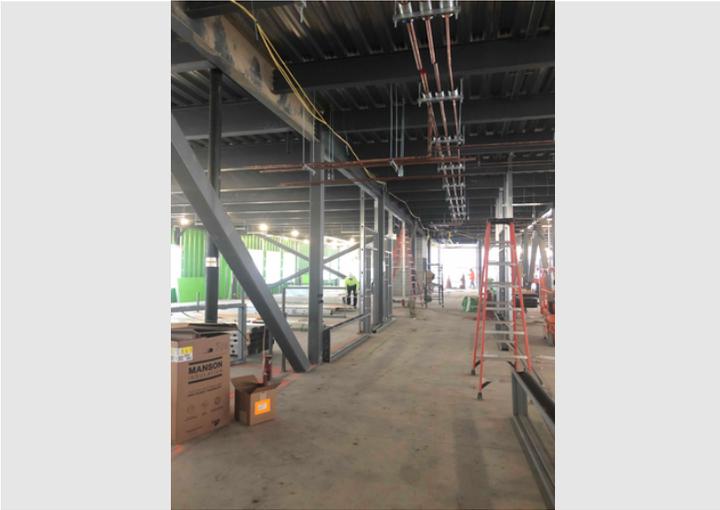
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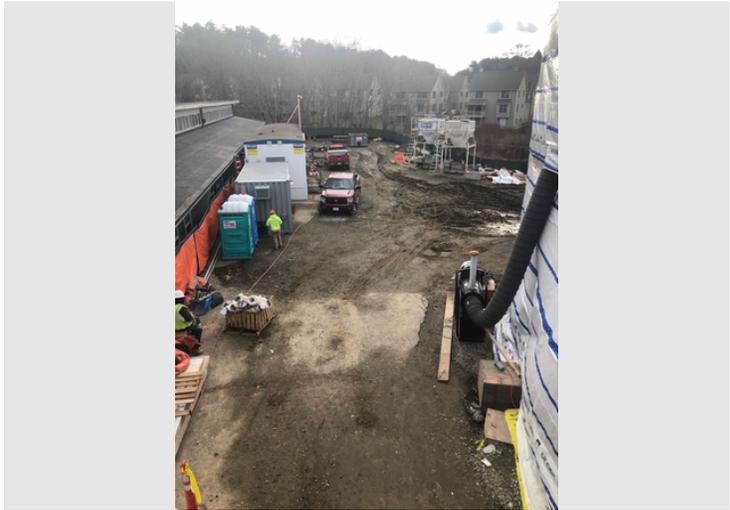
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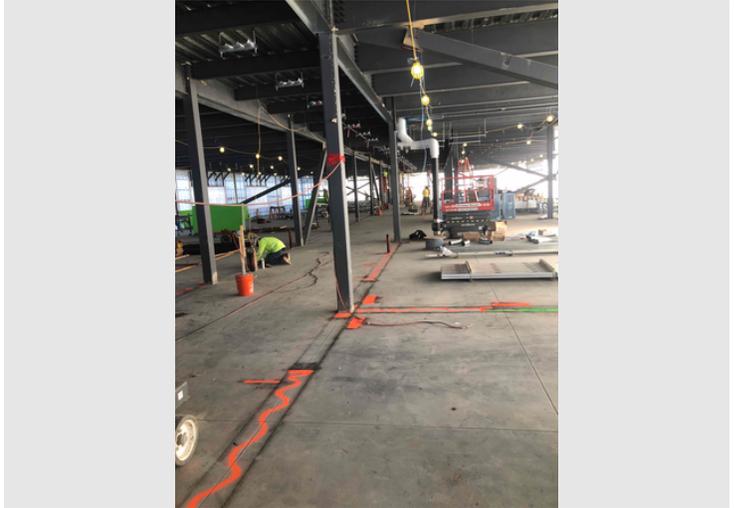
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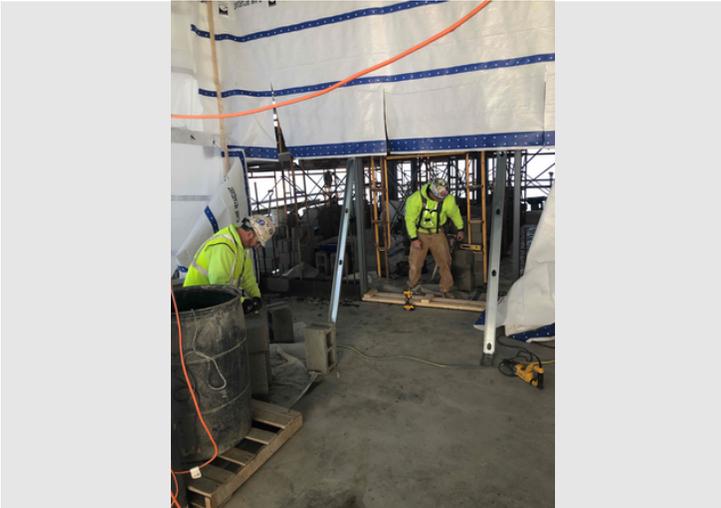
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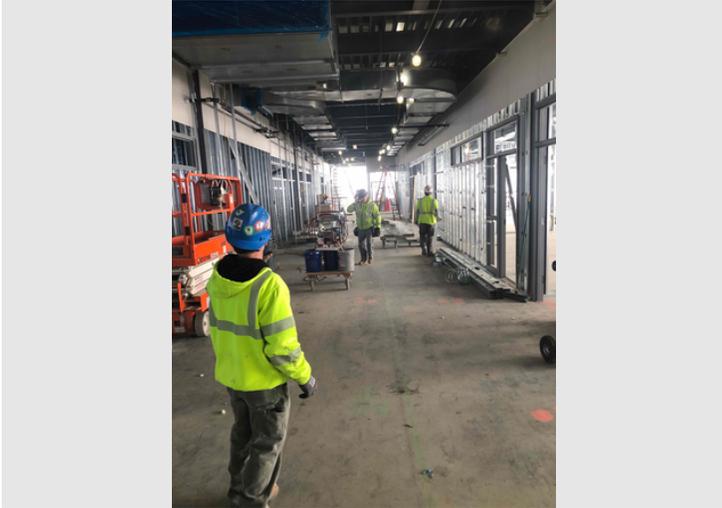
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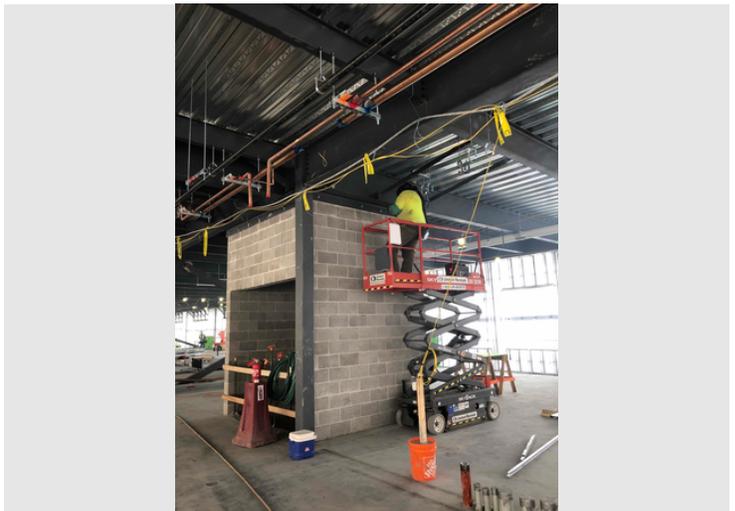
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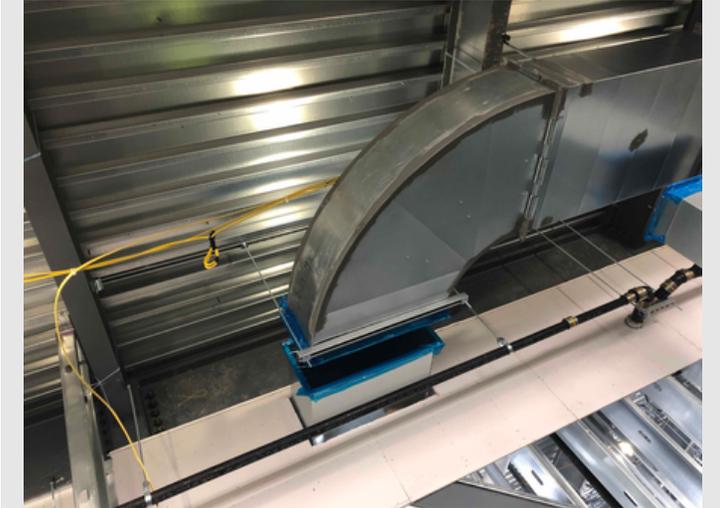
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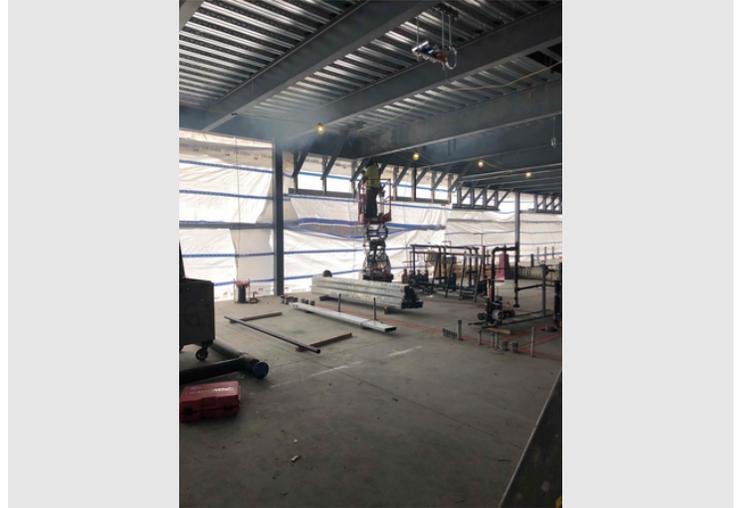
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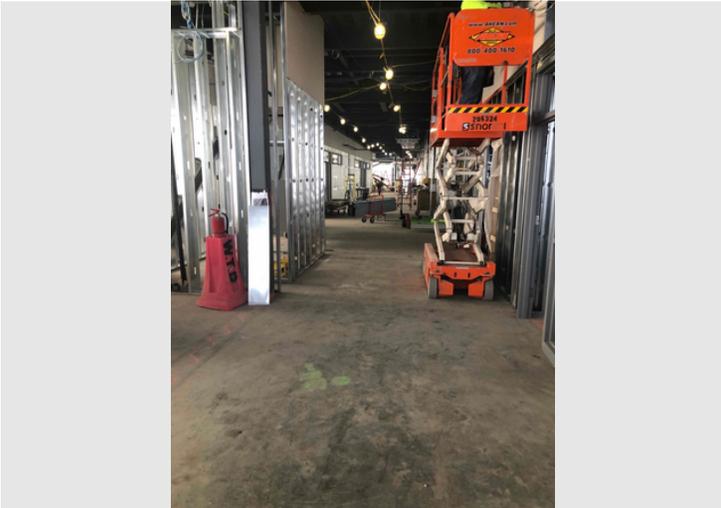
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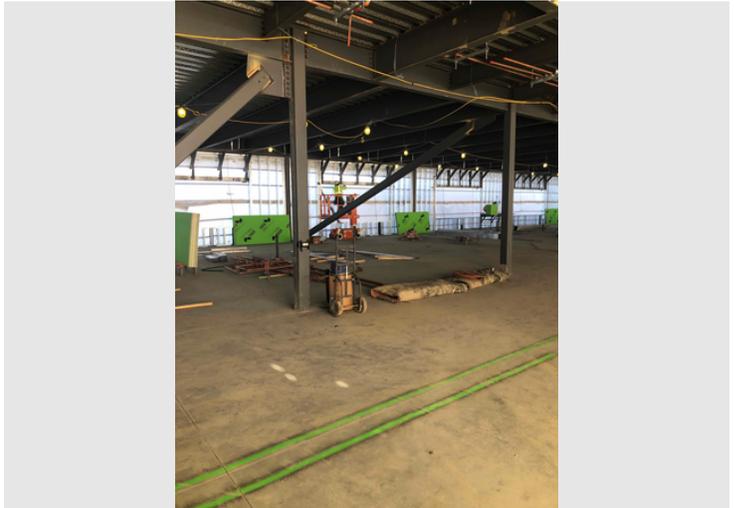
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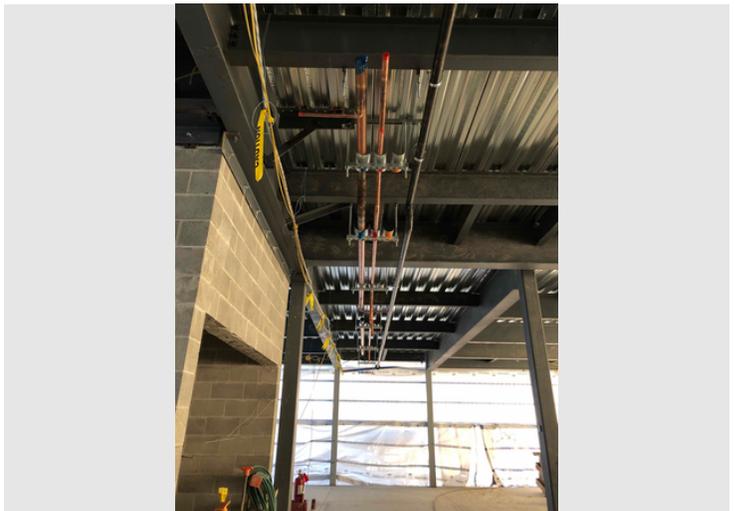
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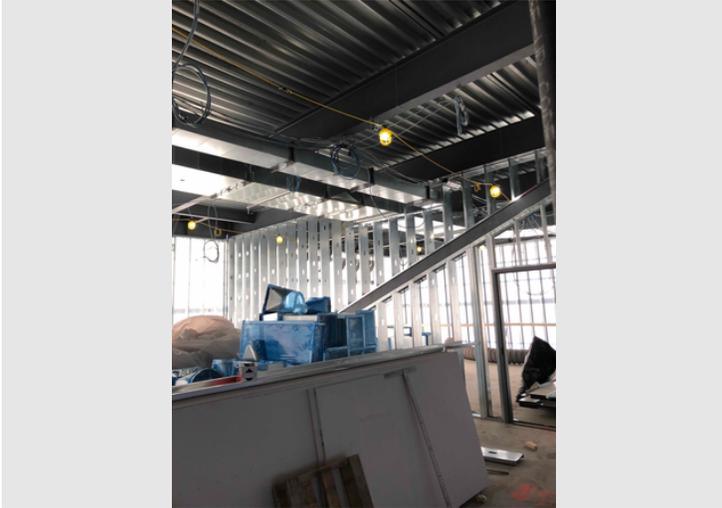
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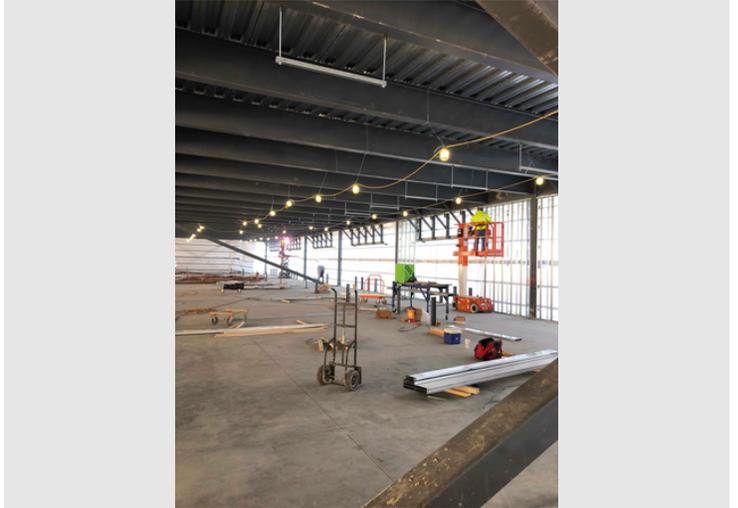
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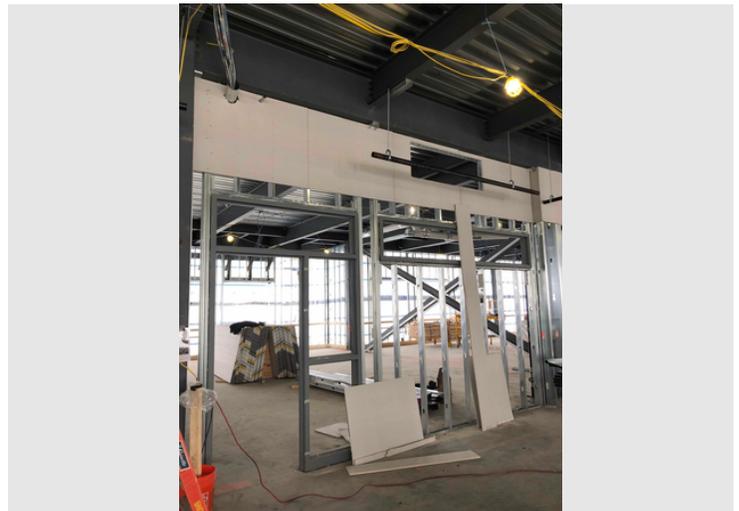
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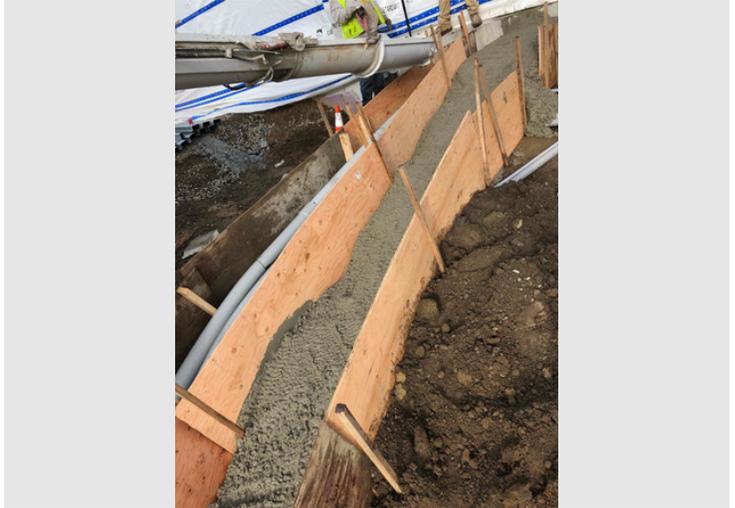
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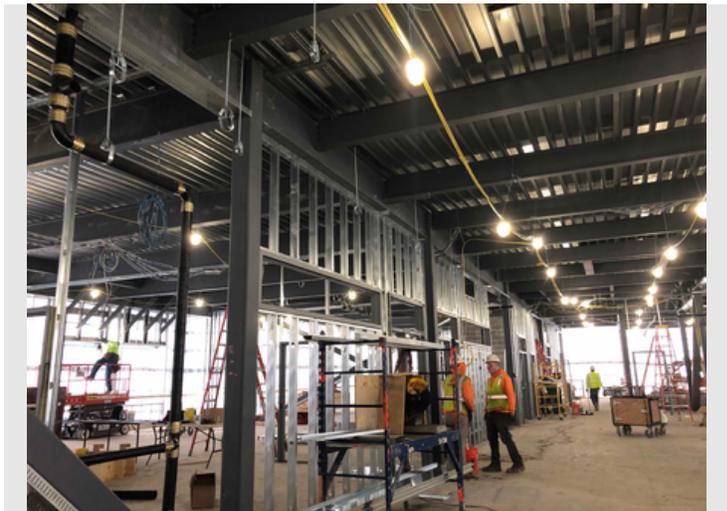
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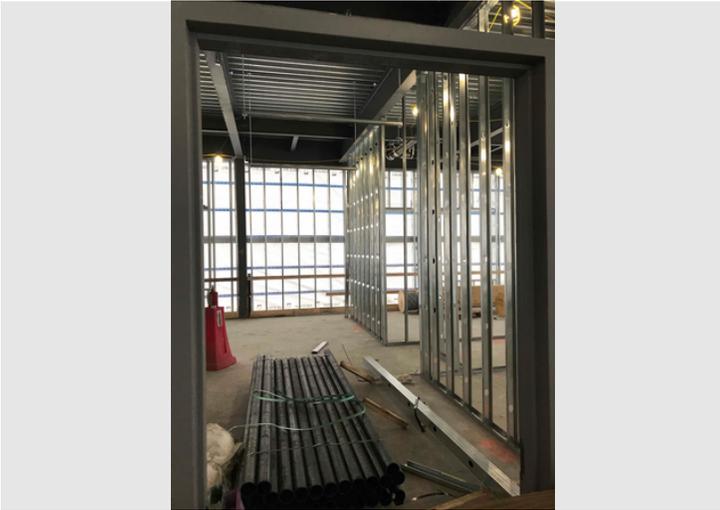
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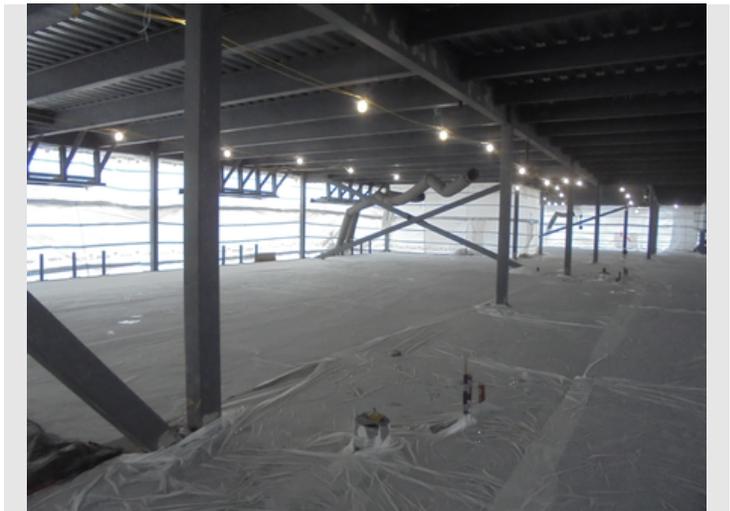
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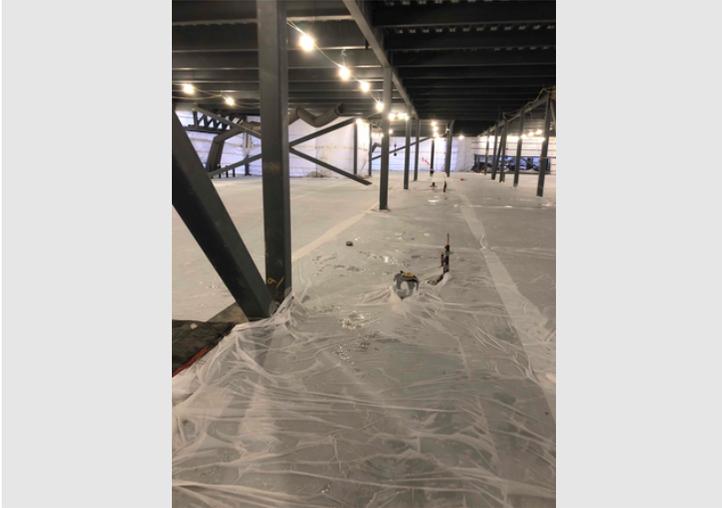
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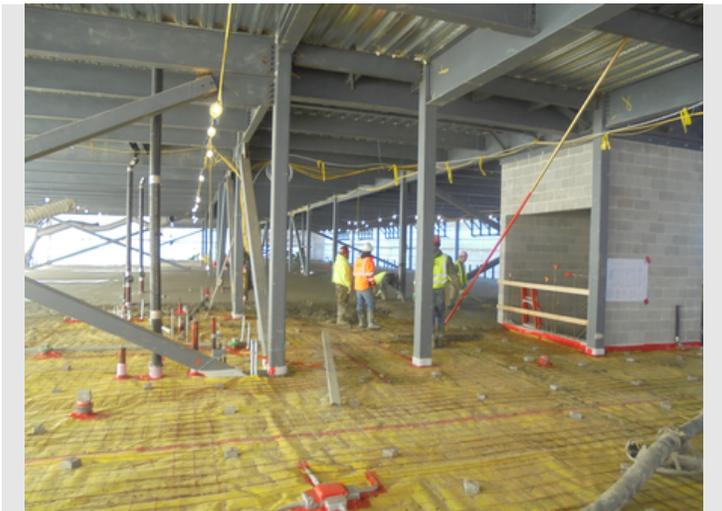
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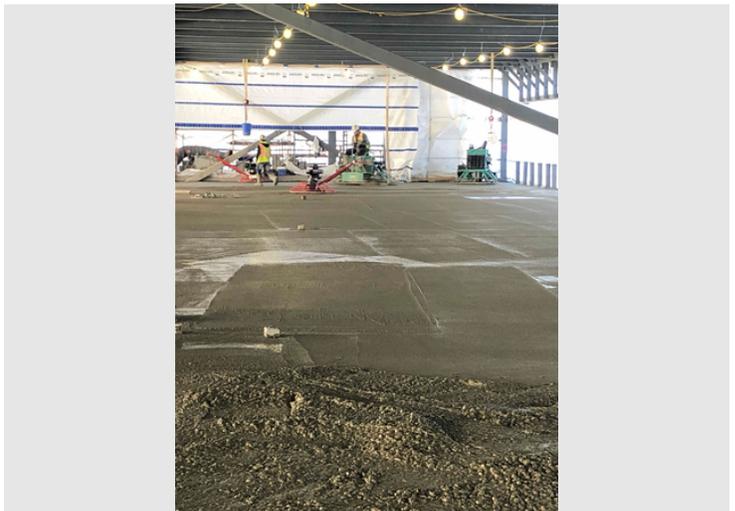
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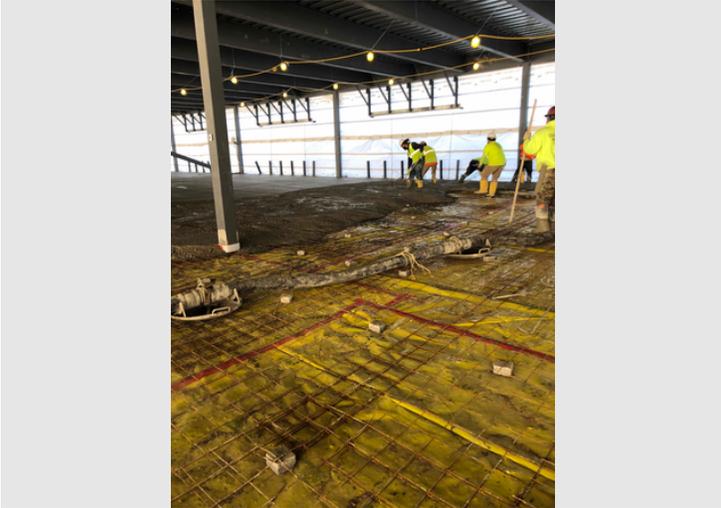
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W.T. Rich Company

Printed on Thu Feb 6, 2020 at 04:15 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2020/01/09 12:09:23

Uploaded By

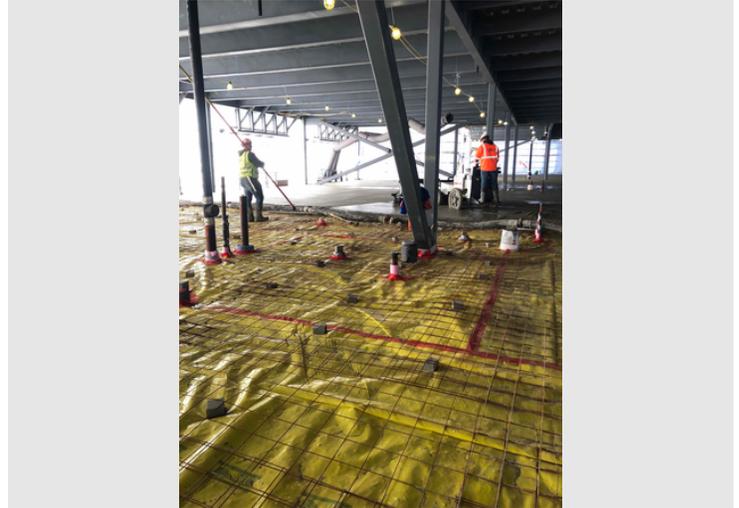
Trishya Patel

Upload Date

2020/01/09 12:10:00

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Description

Taken Date

2020/01/09 12:08:52

Uploaded By

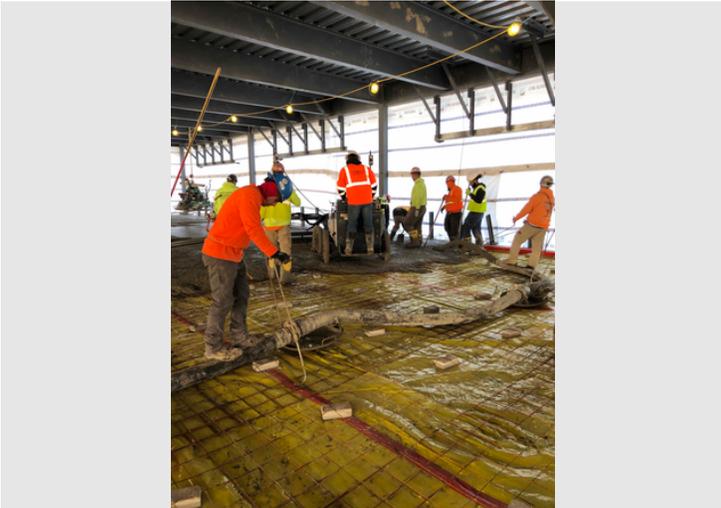
Trishya Patel

Upload Date

2020/01/09 12:09:00

File Name

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Description

Taken Date

2020/01/09 10:24:56

Uploaded By

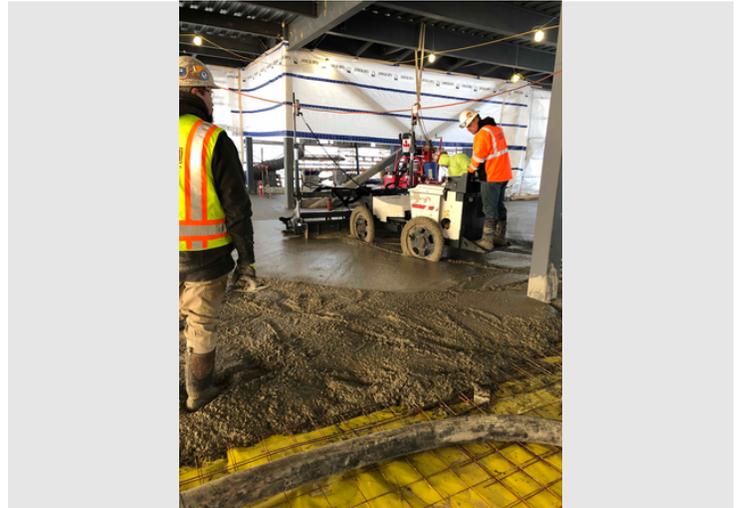
Trishya Patel

Upload Date

2020/01/09 10:25:05

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Description

Taken Date

2020/01/09 08:52:57

Uploaded By

Trishya Patel

Upload Date

2020/01/09 08:53:05

File Name

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W.T. Rich Company

Printed on Thu Feb 6, 2020 at 04:15 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2020/01/09 08:39:57

Uploaded By

Rick Lawrence

Upload Date

2020/01/10 07:17:20

File Name

[DSC03199.JPG](#)



Description

Taken Date

2020/01/09 07:10:47

Uploaded By

Trishya Patel

Upload Date

2020/01/09 07:10:49

File Name

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Description

Taken Date

2020/01/08 11:07:50

Uploaded By

Trishya Patel

Upload Date

2020/01/08 11:07:52

File Name

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Description

Taken Date

2020/01/08 07:49:34

Uploaded By

Trishya Patel

Upload Date

2020/01/08 07:49:36

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W.T. Rich Company

Printed on Thu Feb 6, 2020 at 04:15 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2020/01/08 07:16:31

Uploaded By

Trishya Patel

Upload Date

2020/01/08 07:16:35

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Description

Taken Date

2020/01/07 11:04:04

Uploaded By

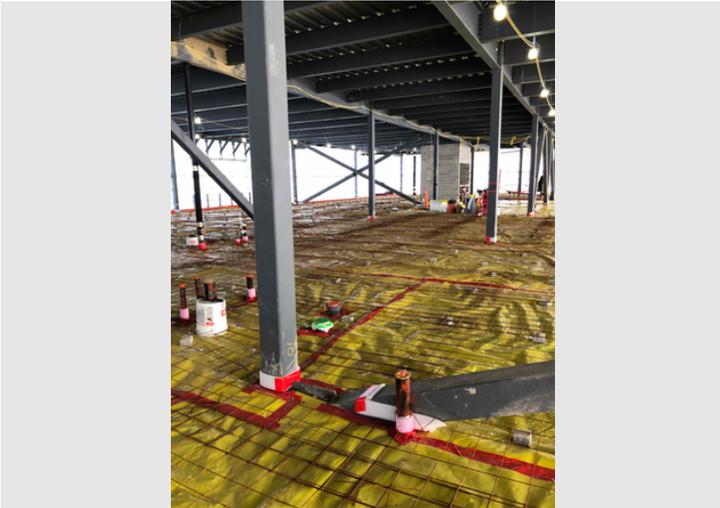
Rick Lawrence

Upload Date

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File Name

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Description

Taken Date

2020/01/06 15:04:55

Uploaded By

Trishya Patel

Upload Date

2020/01/06 15:05:47

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Description

Taken Date

2020/01/03 14:34:01

Uploaded By

Trishya Patel

Upload Date

2020/01/03 14:34:14

File Name

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W.T. Rich Company

Printed on Thu Feb 6, 2020 at 04:15 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2020/01/03 14:33:52

Uploaded By

Trishya Patel

Upload Date

2020/01/03 14:34:03

File Name

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Description

Taken Date

2020/01/02 10:40:16

Uploaded By

Rick Lawrence

Upload Date

2020/01/03 12:15:43

File Name

DSC03131.JPG



Description

Taken Date

2020/01/02 10:25:30

Uploaded By

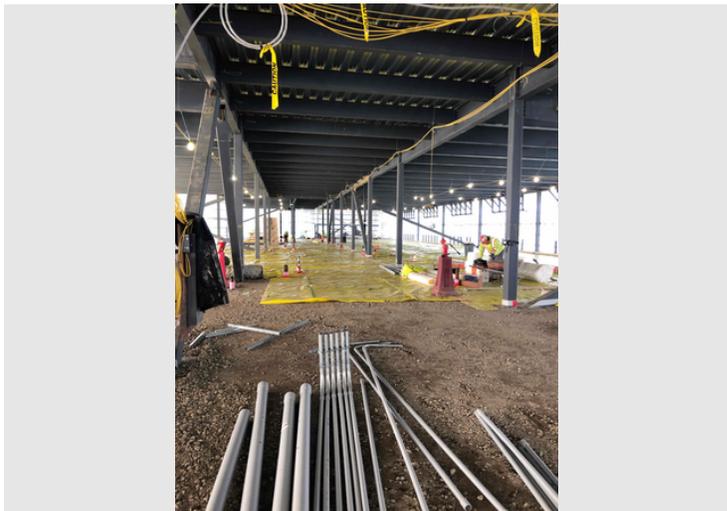
Rick Lawrence

Upload Date

2020/01/03 12:12:07

File Name

DSC03126.JPG



Description

Taken Date

2020/01/02 08:40:56

Uploaded By

Trishya Patel

Upload Date

2020/01/02 08:41:00

File Name

6839DA2D-08D7-416F-BF81-CC3...

**Manchester Memorial Elementary School
Monthly Construction Report Summary – January 2020**

SECTION 3 – ATTACHMENTS



Milestone/Activity Description	Responsibility	First Delivery	Initial Inspection	Start Date	End Date	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN
						2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23
Building Interior - SECOND FLOOR																										
Annese Electric																										
Rough Electrical	SK			01/06/20	02/26/20	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		
Install Main Electrical Conduit + Tel Comm	SK			02/10/20	02/21/20								X	X	X	X	X			X	X	X	X	X		
Install Switchgear	SK			02/10/20	02/10/20								X													
In-Wall Inspection City/Engineer/Arch	SK			02/05/20	02/14/20			X	X	X			X	X	X	X	X									
E. Amanti & Sons Plumbing																										
Rough Plumbing	SK			12/02/19	02/26/20	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		
E. Amanti & Sons HVAC																										
Rough HVAC Ductwork	SK			01/06/20	02/26/20	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		
Rough HVAC Piping	SK			01/21/20	02/07/20	X	X	X	X	X																
Duct Testing	SK			02/11/20	02/11/20								X													
Manganaro																										
Exterior Wall Insulation	BA			01/02/20	01/24/20																					
Install GWB Tops and Elec/TelComm Room and Sound Safing	BA			01/16/20	01/31/20																					
Install GWB	BA			03/16/20	TBD																					
Install Wood Blocking	BA			02/04/20	02/14/20		X	X	X	X			X	X	X	X	X									
Stellar																										
Complete Open SS Punchlist Items (Bathroom Lintels, Etc.)	SB			01/21/20	02/07/20	X	X	X	X	X																
Cogswell Sprinkler																										
Rough Fire Protection	SK			02/03/20	02/21/20	X	X	X	X	X			X	X	X	X	X									
JL Marshall																										
Pour Additional Housekeeping Pad	SK			02/03/20	02/14/20	X	X	X	X	X			X	X	X	X	X									



Milestone/Activity Description	Responsibility	First Delivery	Initial Inspection	Start Date	End Date	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	
						2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23	
Northshore Steel																											
Install Accordion Door Support	BA			02/03/20	02/07/20	X	X	X	X	X																	
Install Service Stair (Confirm with Roof Hatch)	BA			02/03/20	02/07/20	X	X	X	X	X																	
Building Interior - FIRST FLOOR																											
Annese Electric																											
Rough Electrical	SK			02/05/20	02/21/20			X	X	X			X	X	X	X	X		X	X	X	X	X				
E. Amanti & Sons Plumbing																											
Rough Plumbing	SK			01/20/20	03/06/20	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X				
E. Amanti & Sons HVAC																											
HVAC Duct & Pipe Install	SK			02/03/20	03/06/20	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X				
Boiler Delivery	SK			02/21/20	02/21/20																			X			
JL Marshall																											
Pour Stair 1	SB			02/10/20	02/10/20							X															
Boiler Room housekeeping pads	SK			TBD	TBD																						
Manganaro																											
Exterior Framing	BA			01/17/20	02/25/20	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X				
Exterior Sheathing	BA			02/01/20	02/07/20	X	X	X	X	X																	
Interior Framing	BA			01/27/20	02/14/20	X	X	X	X	X			X	X	X	X	X										
Marmelo																											
Stair CMU + Staging	JDB			01/17/20	02/07/20	X	X	X	X	X																	
Stellar Steel																											
Punchlist Work * complete?	JDB			01/21/20	01/31/20																						
Decking at eye brow windows				01/27/20	02/07/20	X	X	X	X	X																	
weld galvi angles at CW embeds (and Bathroom Lintel Mods)				02/07/20	02/07/20					X																	



Milestone/Activity Description	Responsibility	First Delivery	Initial Inspection	Start Date	End Date	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN
						2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23
Stair #1 Steel	JDB			02/06/20	02/07/20				X	X																
Type 1 Steel Supports / MEP Shaft Steel	JDB			02/03/20	02/05/20	X	X	X																		
Northshore Steel																										
Install Accordion Door Support	BA			02/03/20	02/07/20	X	X	X	X	X																
Building EXTERIOR																										
Annese Electric																										
Install Verizon conduit and electric ductbank Tied to UC digging	SB			TBD	TBD																					
Cogswell Sprinkler																										
Install FP service + test ?	SK			TBD	TBD																					
Manganaro																										
Lower Roof at Stair 1 / Drywall Soffit and Fascia	BA			02/10/20	02/12/20								X	X	X											
JL Marshall																										
Place Oil Containment	SB			01/29/20	02/04/20	X	X																			
Form and Pour Generator Pad	SB			01/29/20	02/05/20																					
2nd Placement of Transformer Pad	SB			02/10/20	02/12/20								X	X	X											
The Waterproofing Co																										
Install AVB (North Side)	BP			02/10/20	TBD								X	X	X	X	X			X	X	X	X	X		
Install AVB at Low Roof	BP			02/13/20	02/14/20											X	X									
Marmelo																										
Install CMU at Low Roof	BP			02/18/20	02/21/20															X	X	X	X	X		
Install Masonry at North Elevation	BP			02/17/20	TBD															X	X	X	X	X		
United Civil																										
E&B for Verizon line	JDB			TBD	TBD																					
Maintain SWWP	TP			TBD	TBD																					



Milestone/Activity Description	Responsibility	First Delivery	Initial Inspection	Start Date	End Date	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN
						2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23
Excavate and Backfill for Gas	SAB			02/03/20	02/07/20	X	X	X	X	X																
Helical																										
Install ground improvements + ramp	BP			TBD	TBD																					
ROOF																										
W.T. Rich																										
Clean snow	JDB																									
Stanley Roofing																										
Stair 1 Roof	TP			02/24/20	02/28/20																					
Scuppers / Metal	TP			TBD	TBD																					
Roof Blocking	TP			1/28/2020	2/6/2020	X	X	X	X																	
Install Phase 1 Roof Hatch	TP			TBD	TBD																					
E. Amanti & Sons																										
Roof Curbs (RTUs and EFs)	SK			1/29/2020	2/7/2020	X	X	X	X	X																
Upcoming Tasks																										
American Environmental				TBD	TBD																					
Abate A-Wing / B-Wing Crawl Space	SB			04/20/20	04/24/20																					
Anneese Electric																										
Verizon Conduit to Manhole in the Street (T&M - PCO #8019)	SK			02/03/20	02/07/20	X	X	X	X	X																
Survey & Layout existing building/all subs	SK			02/18/20	02/21/20															X	X	X	X			
Install Temp Raceways * existing Building ?	SB			02/18/20	02/21/20																					
Install Tranformer, Generator Pad, Oil Containment (need Generator)	SB			TBD	TBD																					
Helical																										
Install ground improvements west elevation	JDB			TBD	TBD																					
Permanent Power	SK			02/01/20	02/15/20	X	X	X	X	X			X	X	X	X	X									



Milestone/Activity Description	Responsibility	First Delivery	Initial Inspection	Start Date	End Date	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	
						2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23	
Install New Gas Service																											
National Grid Line Installation	SK			02/03/20	02/14/20	X	X	X	X	X			X	X	X	X	X										
Permits / Sign-offs / C of Os/ Inspections																											
Foundation Permit				Complete	Complete																						
Building Permit				Complete	Complete																						
Second Floor Rough Electrical Sign-Off				02/05/20	02/05/20			X																			
Holiday's - NO WORK																											
No School - WORK but NO KIDS, 2/17-2/21																											
1/2 Day - WORK but HALF DAY FOR KIDS, 2/5, 3/4, 3/25																											
Quality Control																											
Preinstallation Meetings																											
Steel	JTC			Complete	Complete																						
Decking	JTC			Complete	Complete																						
Welds	JTC			Complete	Complete																						
Shear Studs	JTC			Complete	Complete																						
Final inspection welds after SOD & SOR All SS	JTC			12/13/19	12/26/19																						
First Delivery Inspections	SB																										
<i>Initial and Follow-Up Inspections (Review of Workmanship and Procedures)</i>																											
Concrete	JTC / WTR																										
Rebar	JTC / WTR																										
Mock-Up Schedule																											
Framing and Sheathing	JDB			01/29/20	02/04/20	X	X																				
AVB Installation	JDB			02/05/20	02/05/20			X																			
Brick	JDB			02/06/20	02/13/20				X	X			X	X	X	X											
Window Installation	JDB			02/14/20	02/14/20												X										
Sheet Metal and Soffit	JDB			TBD	TBD																						
Subcontractor Meetings - Every Thursday AM @ 8:00AM																											
Safety																											
Orientations - On Going as Needed with New Hires	SB																										



Milestone/Activity Description	Responsibility	First Delivery	Initial Inspection	Start Date	End Date	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN
						2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23
CORI Check- On Going as Needed with New Hires	SB																									
ConstructSecure Safety Inspections (min 1 per Week)																										
Upcoming Milestones																										
Start AVB Installation	BA			02/10/20	TBD								X	X	X	X	X									
Start Exterior Masonry	BP			02/27/20	TBD																					
Start Curtain Wall / Storefront	BP			04/02/20	TBD																					
Start Elevator Installation	SK			04/13/20	TBD																					

Activity ID	Activity Name	Orig Dur (Days)	Rem Dur	Act % Comp	Start	Finish	2018		2019				2020				2021				2022				2023					
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Manchester Memorial Elementary School																														
Design and Preconstruction																														
	Schematic Design	153	0		26/Apr/18 A	04/Dec/18 A																								
	Design Development	62	0		09/Nov/18 A	08/Feb/19 A																								
	Local Approvals	17	0		15/Oct/18 A	06/Nov/18 A																								
	Early Package #1 Abatement, Demo, Site Prep	93	0		08/Feb/19 A	21/Jun/19 A																								
	School Building Committee Meetings	73	0		29/May/19 A	10/Sep/19 A																								
	Conservation Commission Approval Process	66	0		04/Apr/19 A	11/Jul/19 A																								
	Planning Board Approval Process	20	0		13/May/19 A	10/Jun/19 A																								
	60% Construction Documents	328	0		08/Feb/18 A	24/May/19 A																								
	Early Package #2 Fdns, Site, Steel, RAPs	48	0		02/Apr/19 A	07/Jun/19 A																								
	90% Construction Documents	57	0		23/Apr/19 A	13/Aug/19 A																								
	Early Package #3 Curtainwall/SF, RTUs, Boilers, MSB,	37	0		21/Jun/19 A	13/Aug/19 A																								
	100% Construction Documents & GMP	192	11		12/Jun/19 A	14/Feb/20																								
CDF 180	Prequalify Contractors - Release RFQ / Advertisement Public	5	0	100%	12/Jun/19 A	26/Jun/19 A																								
CDF 190	Review & Evaluate Qualifications	30	0	100%	26/Jun/19 A	30/Jul/19 A																								
CDF 260	Prepare & Issue 100% Construction Bid Documents	39	0	100%	15/Jul/19 A	06/Sep/19 A																								
CDF 200	Issue Notice of Eligibility and Instructions to Bidders	11	0	100%	31/Jul/19 A	15/Aug/19 A																								
CDF 140	Establish GMP	71	0	100%	06/Sep/19 A	16/Dec/19 A																								
CDF 160	Bid and Award Trade & Priority Contracts	29	0	100%	06/Sep/19 A	08/Oct/19 A																								
CDF 130	Bid and Award Remaining Phase 1 Non-Trade Contracts	60	0	100%	06/Sep/19 A	22/Oct/19 A																								
CDF 150	Bid and Award Contracts with Phase 2 Scope Only	30	11	63.33%	31/Jan/20 A	14/Feb/20																								
Procurement Milestone Summary																														
PRO 110	Award EP1 - Abatement & Demolition	0	0	100%		10/Apr/19 A																								
PRO 120	Award EP2 - RAP, Foundations, Steel, Site	0	0	100%		12/Jun/19 A																								
PRO 160	Award EP3 - MSB, Boilers, RTUs, Masonry, Elevators, SF/CW	0	0	100%		14/Aug/19 A																								
PRO 130	Award Phase 1 Trade & Priority Contracts	0	0	100%		28/Oct/19 A																								
PRO 150	Award Phase 1 Remaining Non-Trade Contracts	0	0	100%		26/Nov/19 A																								
PRO 170	Award Phase 2 Contracts	0	0	0%		14/Feb/20																								
Permits																														
PER 130	Abatement 10 Day EPA Notice	10	0	100%	10/May/19 A	23/May/19 A																								
PER 100	Demolition Permit	18	0	100%	25/May/19 A	12/Jun/19 A																								
PER 120	Building Permit - Foundations and Steel	20	0	100%	13/Jun/19 A	12/Jul/19 A																								
PER 110	Building Permit - Full Construction	40	0	100%	26/Sep/19 A	28/Oct/19 A																								
Submittal Packages																														
Division 01 - General Conditions																														
015000 - Temp Trailers																														
SM 2 1040	Submit & Release Temporary Trailer Specifications	15	0	100%	02/Apr/19 A	22/Apr/19 A																								
SM 2 1050	Fabricate & Deliver Trailers	20	0	100%	01/Jul/19 A	19/Aug/19 A																								
Division 02 - Existing Conditions																														
024113 - Utility Line Removal - Early Package																														
SM 2 1020	Prepare & Submit Utility Line Submittal	15	0	100%	03/Jun/19 A	21/Jun/19 A																								
SM 2 1030	Review and Approve Utility Line Submittal	10	0	100%	21/Jun/19 A	21/Jun/19 A																								
024116 - Structural Demolition - Demolition - Early Package																														
SM02 1000	Prepare & Submit Demolition Submittal	15	0	100%	12/Apr/19 A	02/May/19 A																								
SM02 1010	Review and Approve Demolition Submittal	25	0	100%	03/May/19 A	07/Jun/19 A																								
024119 - Selective Demolition - Early Package																														
SM02 1020	Prepare & Submit Demolition Submittal	15	0	100%	12/Apr/19 A	02/May/19 A																								
SM02 1030	Review and Approve Demolition Submittal	25	0	100%	23/Apr/19 A	28/May/19 A																								
028213 - Asbestos Abatement (& Hazmat Handling & Disposal)																														
SM02 1040	Prepare & Submit Abatement Submittal	20	0	100%	12/Apr/19 A	09/May/19 A																								

Start Date: 08/Feb/18
 Finish Date: 31/Jan/22
 Data Date: 31/Jan/20
 Print Date: 05/Feb/20
 Layout: Owner

	Summary		Critical Remaining Work
	Actual Work		Actual Milestone
	Remaining Work		Milestone
	Remaining Level of Effort		Critical Milestone

Manchester Memorial Elementary School

Page 1 of 31

Note: The projections are based upon activity earning type and performance to-date on in-progress activities. Every precaution has been taken to ensure this report is accurate and up-to-date. No liability is assumed for errors or omissions. Rounding errors may exist.

W.T. Rich Company, Inc.

Activity ID	Activity Name	Orig Dur (Days)	Rem Dur	Act % Comp	Start	Finish	2018		2019				2020				2021				2022				2023									
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
							Gantt Chart																											
SM 9 1070	Prepare and Submit Package Carpeting	15	0	100%	31/Dec/19 A	21/Jan/20 A																												
SM 9 1210	Review and Approve Package Carpeting	15	8	46.67%	22/Jan/20 A	11/Feb/20																												
SM 9 1320	Fabricate and Deliver Carpeting	60	60	0%	12/Feb/20	06/May/20																												
097200 Wall Coverings		316	316		18/Feb/20	13/May/21																												
SM 9 1450	Prepare and Submit Package Wall Coverings	15	15	0%	18/Feb/20	09/Mar/20																												
SM 9 1460	Review and Approve Package Wall Coverings	15	15	0%	10/Mar/20	30/Mar/20																												
SM 9 1470	Fabricate and Deliver Wall Coverings Phase 2	286	286	0%	31/Mar/20	13/May/21																												
09723 Fabric Wrapped Panels		75	75		31/Jan/20	15/May/20																												
SM 9 1480	Prepare and Submit Package Fabric Wrapped Panels	5	5	0%	31/Jan/20	06/Feb/20																												
SM 9 1490	Review and Approve Package Fabric Wrapped Panels	10	10	0%	07/Feb/20	21/Feb/20																												
SM 9 1500	Fabricate and Deliver Fabric Wrapped Panels	60	60	0%	24/Feb/20	15/May/20																												
098433 Sound Absorbing Wall Units		287	287		31/Jan/20	18/Mar/21																												
SM9 1090	Prepare and Submit Package Sound Absorbing Panels	20	20	0%	31/Jan/20	28/Feb/20																												
SM9 1100	Review and Approve Package Sound Absorbing Panels	15	15	0%	02/Mar/20	20/Mar/20																												
SM9 1110	Fabricate and Deliver Sound Absorbing Panels Phase 2	252	252	0%	23/Mar/20	18/Mar/21																												
098436 Sound Absorbing Ceiling Units		287	287		31/Jan/20	18/Mar/21																												
SM9 1150	Prepare and Submit Package Sound Absorbing Panels	20	20	0%	31/Jan/20	28/Feb/20																												
SM9 1160	Review and Approve Package Sound Absorbing Panels	15	15	0%	02/Mar/20	20/Mar/20																												
SM9 1170	Fabricate and Deliver Sound Absorbing Panels Phase 2	252	252	0%	23/Mar/20	18/Mar/21																												
099113 Exterior Painting		107	85		31/Dec/19 A	01/Jun/20																												
SM 9 1090	Prepare and Submit Package Paint & Coating	20	0	100%	31/Dec/19 A	28/Jan/20 A																												
SM 9 1160	Review and Approve Package Paint & Coating	15	15	0%	29/Jan/20 A	21/Feb/20																												
SM 9 1260	Order and Deliver Paint & Coating	70	70	0%	24/Feb/20	01/Jun/20																												
099123 Interior Painting		47	25		31/Dec/19 A	06/Mar/20																												
SM 9 1510	Prepare and Submit Package Paint & Coating	20	0	100%	31/Dec/19 A	28/Jan/20 A																												
SM 9 1520	Review and Approve Package Paint & Coating	15	15	0%	29/Jan/20 A	21/Feb/20																												
SM 9 1530	Order and Deliver Paint & Coating	10	10	0%	24/Feb/20	06/Mar/20																												
099300 Staining and Transparent Finishing		37	15		31/Dec/19 A	24/Feb/20																												
SM 9 1540	Prepare and Submit Package Paint & Coating	20	0	100%	31/Dec/19 A	28/Jan/20 A																												
SM 9 1550	Review and Approve Package Paint & Coating	15	15	0%	29/Jan/20 A	21/Feb/20																												
SM 9 1560	Fabricate and Deliver Paint & Coating	0	0	0%	24/Feb/20	24/Feb/20																												
099600 High Performance Coating		47	25		31/Dec/19 A	06/Mar/20																												
SM 9 1570	Prepare and Submit Package Paint & Coating	20	0	100%	31/Dec/19 A	28/Jan/20 A																												
SM 9 1580	Review and Approve Package Paint & Coating	15	15	0%	29/Jan/20 A	21/Feb/20																												
SM 9 1590	Fabricate and Deliver Paint & Coating	10	10	0%	24/Feb/20	06/Mar/20																												
Division 10 - Specialties		286	264		31/Dec/19 A	15/Feb/21																												
101100 Visual Display Surfaces		92	70		31/Dec/19 A	08/May/20																												
SM 10 100	Prepare and Submit Package Display Units	15	0	100%	31/Dec/19 A	21/Jan/20 A																												
SM 10 200	Review and Approve Package Display Units	15	10	33.33%	22/Jan/20 A	13/Feb/20																												
SM 10 280	Fabricate and Deliver Visual Display Unit	60	60	0%	14/Feb/20	08/May/20																												
101400 Signage		90	68		31/Dec/19 A	06/May/20																												
SM 10 110	Prepare and Submit Package Signage	15	3	80%	31/Dec/19 A	04/Feb/20																												
SM 10 190	Review and Approve Package Signage	15	15	0%	05/Feb/20	26/Feb/20																												
SM 10 270	Fabricate and Deliver Signage	50	50	0%	27/Feb/20	06/May/20																												
101453 Traffic Signage		70	70		18/Feb/20	26/May/20																												
SM10 1000	Prepare and Submit Package Traffic Signage	10	10	0%	18/Feb/20	02/Mar/20																												
SM10 1010	Review and Approve Package Traffic Signage	10	10	0%	03/Mar/20	16/Mar/20																												
SM10 1020	Fabricate and Deliver Traffic Signage	50	50	0%	17/Mar/20	26/May/20																												
102113 Phenolic-Core Toilet Compartments		80	58		31/Dec/19 A	22/Apr/20																												
SM 10 120	Prepare and Submit Package Toilet Partitions	15	3	80%	31/Dec/19 A	04/Feb/20																												
SM 10 210	Review and Approve Package Partitions	15	15	0%	05/Feb/20	26/Feb/20																												

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Summary	Critical Remaining Work
Actual Work	Actual Milestone
Remaining Work	Milestone
Remaining Level of Effort	Critical Milestone

Manchester Memorial Elementary School

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W.T. Rich Company, Inc.

Activity ID	Activity Name	Orig Dur (Days)	Rem Dur	Act % Comp	Start	Finish	2018			2019				2020				2021				2022				2023					
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
116623 - Gymnasium Equipment							287	287		18/Feb/20	02/Apr/21																				
SM11 1150	Prepare and Submit Package Gym Equipment	25	25	0%	18/Feb/20	23/Mar/20	■ Prepare and Submit Package Gym Equipment																								
SM11 1160	Review and Approve Package Gym Equipment	25	25	0%	24/Mar/20	27/Apr/20	■ Review and Approve Package Gym Equipment																								
SM11 1170	Fabricate and Deliver Gym Equipment	237	237	0%	28/Apr/20	02/Apr/21	■ Fabricate and Deliver Gym Equipment																								
116653 - Gymnasium Dividers							286	286		18/Feb/20	01/Apr/21																				
SM11 1180	Prepare and Submit Package Gym Dividers	25	25	0%	18/Feb/20	23/Mar/20	■ Prepare and Submit Package Gym Dividers																								
SM11 1190	Review and Approve Package Gym Dividers	25	25	0%	24/Mar/20	27/Apr/20	■ Review and Approve Package Gym Dividers																								
SM11 1200	Fabricate and Deliver Gym Dividers	236	236	0%	28/Apr/20	01/Apr/21	■ Fabricate and Deliver Gym Dividers																								
116813 - Play Equipment and Structures							313	313		18/Feb/20	10/May/21																				
SM11 1210	Prepare and Submit Package Play Equipment and Structures	25	25	0%	18/Feb/20	23/Mar/20	■ Prepare and Submit Package Play Equipment and Structures																								
SM11 1220	Review and Approve Package Play Equipment and Structures	25	25	0%	24/Mar/20	27/Apr/20	■ Review and Approve Package Play Equipment and Structures																								
SM11 1230	Fabricate and Deliver Play Equipment and Structures	263	263	0%	28/Apr/20	10/May/21	■ Fabricate and Deliver Play Equipment and Structures																								
Division 12 - Furnishings							341	319		31/Dec/19 A	03/May/21																				
122413 - Window Shades							103	81		31/Dec/19 A	26/May/20																				
SM 12 120	Prepare and Submit Package Window Shades	15	11	26.67%	31/Dec/19 A	14/Feb/20	■ Prepare and Submit Package Window Shades																								
SM 12 130	Review and Approve Package Window Shades	30	30	0%	18/Feb/20	30/Mar/20	■ Review and Approve Package Window Shades																								
SM 12 160	Fabricate and Deliver Window Shades	40	40	0%	31/Mar/20	26/May/20	■ Fabricate and Deliver Window Shades																								
123260 - Musical Storage cabinets							288	288		18/Feb/20	05/Apr/21																				
SM 12 190	Prepare and Submit Package Musical Storage Cabinets	30	30	0%	18/Feb/20	30/Mar/20	■ Prepare and Submit Package Musical Storage Cabinets																								
SM 12 200	Review and Approve Package Musical Storage Cabinets	30	30	0%	31/Mar/20	11/May/20	■ Review and Approve Package Musical Storage Cabinets																								
SM 12 210	Fabricate and Deliver Window Musical Storage Cabinets	228	228	0%	12/May/20	05/Apr/21	■ Fabricate and Deliver Window Musical Storage Cabinets																								
123623 -Plastic Laminate Clad Countertops							87	65		31/Dec/19 A	01/May/20																				
SM 12 220	Prepare and Submit Package Plastic Laminate Countertops	10	0	100%	31/Dec/19 A	14/Jan/20 A	■ Prepare and Submit Package Plastic Laminate Countertops																								
SM 12 230	Review and Approve Package Plastic Laminate Countertops	20	5	75%	15/Jan/20 A	06/Feb/20	■ Review and Approve Package Plastic Laminate Countertops																								
SM 12 240	Fabricate and Deliver Plastic Laminate Countertops	60	60	0%	07/Feb/20	01/May/20	■ Fabricate and Deliver Plastic Laminate Countertops																								
124813 Entrance Floor Mats & Frames							87	65		31/Dec/19 A	01/May/20																				
SM 12 115	Prepare and Submit Package Floor Mats	25	0	100%	31/Dec/19 A	30/Jan/20 A	■ Prepare and Submit Package Floor Mats																								
SM 12 150	Review and Approve Package Floor Mats	25	25	0%	30/Jan/20 A	06/Mar/20	■ Review and Approve Package Floor Mats																								
SM 12 180	Fabricate & Deliver Floor Mats	40	40	0%	09/Mar/20	01/May/20	■ Fabricate & Deliver Floor Mats																								
124816 Entrance Floor Grilles							87	65		31/Dec/19 A	01/May/20																				
SM 12 310	Prepare and Submit Package Floor Mats	25	0	100%	31/Dec/19 A	30/Jan/20 A	■ Prepare and Submit Package Floor Mats																								
SM 12 320	Review and Approve Package Floor Mats	25	25	0%	30/Jan/20 A	06/Mar/20	■ Review and Approve Package Floor Mats																								
SM 12 330	Fabricate & Deliver Floor Mats	40	40	0%	09/Mar/20	01/May/20	■ Fabricate & Deliver Floor Mats																								
126600 - Telescoping Bleachers							286	286		18/Feb/20	01/Apr/21																				
SM 12 340	Prepare and Submit Package Telescoping Bleachers	20	20	0%	18/Feb/20	16/Mar/20	■ Prepare and Submit Package Telescoping Bleachers																								
SM 12 350	Review and Approve Package Telescoping Bleachers	20	20	0%	17/Mar/20	13/Apr/20	■ Review and Approve Package Telescoping Bleachers																								
SM 12 360	Fabricate and Deliver Telescoping Bleachers	246	246	0%	14/Apr/20	01/Apr/21	■ Fabricate and Deliver Telescoping Bleachers																								
129300 - Site Furnishings							308	308		18/Feb/20	03/May/21																				
SM 12 370	Prepare and Submit Package Site Furnishings	20	20	0%	18/Feb/20	16/Mar/20	■ Prepare and Submit Package Site Furnishings																								
SM 12 380	Review and Approve Package Site Furnishings	20	20	0%	17/Mar/20	13/Apr/20	■ Review and Approve Package Site Furnishings																								
SM 12 390	Fabricate and Deliver Window Site Furnishings	268	268	0%	14/Apr/20	03/May/21	■ Fabricate and Deliver Window Site Furnishings																								
Division 14 - Lifts							166	48		15/Aug/19 A	08/Apr/20																				
142100 - Electric Traction Elevator							166	48		15/Aug/19 A	08/Apr/20																				
SM13 1000	Prepare and Submit Package Elevator	20	0	100%	15/Aug/19 A	28/Aug/19 A	■ Prepare and Submit Package Elevator																								
SM13 1010	Review and Approve Package Elevator	25	0	100%	29/Aug/19 A	27/Sep/19 A	■ Review and Approve Package Elevator																								
SM13 1020	Fabricate & Deliver Elevator	90	48	46.67%	27/Sep/19 A	08/Apr/20	■ Fabricate & Deliver Elevator																								
SM13 1030	Fabricate & Deliver Guide Rail Inserts / Embed Items	1	0	100%	27/Sep/19 A	27/Sep/19 A	■ Fabricate & Deliver Guide Rail Inserts / Embed Items																								
Division 21 - Fire Protection							52	0		22/Oct/19 A	29/Jan/20 A																				
Pipe & Fittings							47	0		22/Oct/19 A	29/Jan/20 A																				
SM 21 140	Prepare and Submit Package Pipe, Fittings	15	0	100%	22/Oct/19 A	01/Nov/19 A	■ Prepare and Submit Package Pipe, Fittings																								
SM 21 180	Review and Approve Package Pipe, Fittings	15	0	100%	31/Oct/19 A	20/Nov/19 A	■ Review and Approve Package Pipe, Fittings																								

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■ Summary	◆ Critical Remaining Work
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■ Remaining Work	◆ Milestone
■ Remaining Level of Effort	◆ Critical Milestone

Manchester Memorial Elementary School

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Activity ID	Activity Name	Orig Dur (Days)	Rem Dur	Act % Comp	Start	Finish	2018		2019				2020				2021				2022				2023									
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
							Gantt Chart																											
SM 21 240	Fab & Del Fire Protection - Pipe, Fittings	25	0	100%	21/Nov/19 A	29/Jan/20 A																												
Joints		47	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1000	Prepare and Submit Package Joints	15	0	100%	22/Oct/19 A	08/Nov/19 A																												
SM21 1010	Review and Approve Package Joints	15	0	100%	31/Oct/19 A	20/Nov/19 A																												
SM21 1020	Fab & Del Fire Protection - Joints	25	0	100%	21/Nov/19 A	29/Jan/20 A																												
Valves		47	0		22/Oct/19 A	29/Jan/20 A																												
SM 21 150	Prepare and Submit Package Valves	20	0	100%	22/Oct/19 A	08/Nov/19 A																												
SM 21 220	Review and Approve Package Valves	20	0	100%	31/Oct/19 A	27/Nov/19 A																												
SM 21 290	Fabricate and Deliver Valves	20	0	100%	29/Nov/19 A	29/Jan/20 A																												
Sprinklers		52	0		22/Oct/19 A	29/Jan/20 A																												
SM 21 210	Prepare and Submit Package Sprinkler Heads	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM 21 250	Review and Approve Sprinkler Heads	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM 21 280	Fab & Deliver Sprinkler Heads	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Fire Dept Connections		52	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1030	Prepare and Submit Package Fire Dept Connections	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM21 1040	Review and Approve Fire Dept Connections	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM21 1050	Fab & Deliver Fire Dept Connections	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Fire Standpipe Equipment		52	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1060	Prepare and Submit Package Fire Standpipe Equip	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM21 1070	Review and Approve Fire Standpipe Equip	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM21 1080	Fab & Deliver Fire Standpipe Equip	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Roof Manifold		52	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1090	Prepare and Submit Package Roof Manifold	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM21 1100	Review and Approve Roof Manifold	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM21 1110	Fab & Deliver Roof Manifold	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Fire Dept Hydrant Connection		52	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1120	Prepare and Submit Package Fire Dept Hydrant Connection	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM21 1130	Review and Approve Fire Dept Hydrant Connection	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM21 1140	Fab & Deliver Fire Dept Hydrant Connection	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Supplementary Steel Channels & Supports		52	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1150	Prepare and Submit Package Steel Channels & Supports	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM21 1160	Review and Approve Steel Channels & Supports	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM21 1170	Fab & Deliver Steel Channels & Supports	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Hangers & Seismic Restraints		42	0		22/Oct/19 A	29/Jan/20 A																												
SM 21 110	Prepare and Submit Package Hangers	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM 21 190	Review and Approve Package Hangers	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM 21 260	Fabricate and Deliver Fire Protection Hangers & Seismic Restraints	15	0	100%	29/Nov/19 A	29/Jan/20 A																												
Alarm Devices		52	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1180	Prepare and Submit Package Alarm Devices	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM21 1190	Review and Approve Alarm Devices	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM21 1200	Fab & Deliver Alarm Devices	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Double Check Valve		52	0		22/Oct/19 A	29/Jan/20 A																												
SM21 1210	Prepare and Submit Package Double Check Valves	10	0	100%	22/Oct/19 A	13/Nov/19 A																												
SM21 1220	Review and Approve Double Check Valves	10	0	100%	14/Nov/19 A	27/Nov/19 A																												
SM21 1230	Fab & Deliver Double Check Valves	25	0	100%	29/Nov/19 A	29/Jan/20 A																												
Access Panels		52	0		22/Oct/19 A	29/Jan/20 A																												
SM 21 100	Prepare and Submit Package Access Panels	15	0	100%	22/Oct/19 A	20/Nov/19 A																												
SM 21 170	Review and Approve Access Panels	15	0	100%	21/Nov/19 A	12/Dec/19 A																												
SM 21 230	Fab & Deliver Access Panels	15	0	100%	13/Dec/19 A	29/Jan/20 A																												
Air Compressor		52	0		22/Oct/19 A	14/Jan/20 A																												
SM21 1240	Prepare and Submit Package Air Compressor	10	0	100%	22/Oct/19 A	13/Nov/19 A																												

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Remaining Work	Milestone
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							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
Sound Attenuators							37	0		22/Oct/19 A	07/Jan/20 A																								
SM 23 250	Prepare and Submit Package - Sound Attenuators	10	0	100%	22/Oct/19 A	08/Nov/19 A	■ Prepare and Submit Package - Sound Attenuators																												
SM 23 340	Review and Approve Package - Sound Attenuators	10	0	100%	31/Oct/19 A	13/Nov/19 A	■ Review and Approve Package - Sound Attenuators																												
SM 23 530	Fabricate and Deliver HVAC Sound Attenuators	20	0	100%	14/Nov/19 A	07/Jan/20 A	■ Fabricate and Deliver HVAC Sound Attenuators																												
Condensate Discharge Pumps							91	0		22/Oct/19 A	02/Mar/20 A																								
SM 23 140	Prepare and Submit Package - Condensate Discharge Pumps	20	0	100%	22/Oct/19 A	27/Nov/19 A	■ Prepare and Submit Package - Condensate Discharge Pumps																												
SM 23 380	Review and Approve Package - Condensate Discharge Pumps	20	0	100%	29/Nov/19 A	27/Dec/19 A	■ Review and Approve Package - Condensate Discharge Pumps																												
SM 23 570	Fabricate and Deliver HVAC Condensate Discharge Pumps	43	0	100%	31/Dec/19 A	02/Mar/20 A	■ Fabricate and Deliver HVAC Condensate Discharge Pumps																												
Firestop Systems							53	0		22/Oct/19 A	14/Jan/20 A																								
SM 23 260	Prepare and Submit Package - Firestop Systems	10	0	100%	22/Oct/19 A	08/Nov/19 A	■ Prepare and Submit Package - Firestop Systems																												
SM 23 350	Review and Approve Package - Firestop Systems	10	0	100%	31/Oct/19 A	13/Nov/19 A	■ Review and Approve Package - Firestop Systems																												
SM 23 540	Fabricate and Deliver HVAC Firestop Systems	25	0	100%	02/Dec/19 A	14/Jan/20 A	■ Fabricate and Deliver HVAC Firestop Systems																												
Automatic Temperature Controls							100	30		22/Oct/19 A	13/Mar/20																								
SM 23 220	Prepare and Submit Package ATCs	5	0	100%	22/Oct/19 A	27/Jan/20 A	■ Prepare and Submit Package ATCs																												
SM 23 300	Review and Approve Package ATCs	10	20	0%	28/Jan/20 A	28/Feb/20	■ Review and Approve Package ATCs																												
SM 23 500	Fabricate and Deliver ATCs	10	10	0%	02/Mar/20	13/Mar/20	■ Fabricate and Deliver ATCs																												
Testing, Adjusting, Balancing, Cx							55	55		31/Jan/20	17/Apr/20																								
SM23 1150	Prepare and Submit Package - Testing, Adjusting, Balancing, Cx	15	15	0%	31/Jan/20	21/Feb/20	■ Prepare and Submit Package - Testing, Adjusting, Balancing, Cx																												
SM23 1160	Review and Approve Package - Testing, Adjusting, Balancing, Cx	15	15	0%	24/Feb/20	13/Mar/20	■ Review and Approve Package - Testing, Adjusting, Balancing, Cx																												
SM23 1170	Fabricate and Deliver HVAC Testing, Adjusting, Balancing, Cx	25	25	0%	16/Mar/20	17/Apr/20	■ Fabricate and Deliver HVAC Testing, Adjusting, Balancing, Cx																												
230548 - Vibratory Controls							73	0		22/Oct/19 A	31/Jan/20 A																								
SM23 1180	Prepare and Submit Package - Vibratory & Seismic Controls	15	0	100%	22/Oct/19 A	07/Nov/19 A	■ Prepare and Submit Package - Vibratory & Seismic Controls																												
SM23 1190	Review and Approve Package - Vibratory & Seismic Controls	15	0	100%	31/Oct/19 A	20/Nov/19 A	■ Review and Approve Package - Vibratory & Seismic Controls																												
SM23 1200	Fabricate and Deliver HVAC Vibratory & Seismic Controls	25	0	100%	20/Nov/19 A	31/Jan/20 A	■ Fabricate and Deliver HVAC Vibratory & Seismic Controls																												
Division 26 - Electrical							174	80		15/Aug/19 A	22/May/20																								
Raceways & Fittings							43	0		22/Oct/19 A	21/Jan/20 A																								
SM 26 900	Prepare and Submit Package Raceways & Fittings	20	0	100%	22/Oct/19 A	27/Nov/19 A	■ Prepare and Submit Package Raceways & Fittings																												
SM 26 920	Review and Approve Package Raceways & Fittings	15	0	100%	29/Nov/19 A	19/Dec/19 A	■ Review and Approve Package Raceways & Fittings																												
SM 26 940	Fabricate and Deliver Raceways & Fittings	15	0	100%	19/Dec/19 A	21/Jan/20 A	■ Fabricate and Deliver Raceways & Fittings																												
Conductors							43	0		22/Oct/19 A	21/Jan/20 A																								
SM26 1000	Prepare and Submit Package Conductors	20	0	100%	22/Oct/19 A	27/Nov/19 A	■ Prepare and Submit Package Conductors																												
SM26 1010	Review and Approve Package Conductors	15	0	100%	29/Nov/19 A	19/Dec/19 A	■ Review and Approve Package Conductors																												
SM26 1020	Fabricate and Deliver Conductors	15	0	100%	19/Dec/19 A	21/Jan/20 A	■ Fabricate and Deliver Conductors																												
Access Panels							63	0		22/Oct/19 A	21/Jan/20 A																								
SM 26 910	Prepare and Submit Package Access Panels	20	0	100%	22/Oct/19 A	27/Nov/19 A	■ Prepare and Submit Package Access Panels																												
SM 26 930	Review and Approve Package Access Panels	15	0	100%	29/Nov/19 A	19/Dec/19 A	■ Review and Approve Package Access Panels																												
SM 26 950	Fabricate and Deliver Access Panels	15	0	100%	31/Dec/19 A	21/Jan/20 A	■ Fabricate and Deliver Access Panels																												
Sleeves, Inserts, Openings							23	0		22/Oct/19 A	03/Jan/20 A																								
SM 26 100	Prepare and Submit Package Sleeves, Inserts	15	0	100%	22/Oct/19 A	11/Nov/19 A	■ Prepare and Submit Package Sleeves, Inserts																												
SM 26 110	Review and Approve Package Sleeves, Inserts	5	0	100%	12/Nov/19 A	18/Nov/19 A	■ Review and Approve Package Sleeves, Inserts																												
SM 26 120	Fabricate and Deliver Sleeves, Inserts	3	0	100%	19/Nov/19 A	03/Jan/20 A	■ Fabricate and Deliver Sleeves, Inserts																												
Wiring Devices							56	0		22/Oct/19 A	21/Jan/20 A																								
SM 26 190	Prepare and Submit Package Wiring Devices	20	0	100%	22/Oct/19 A	27/Nov/19 A	■ Prepare and Submit Package Wiring Devices																												
SM 26 240	Review and Approve Package Wiring Devices	15	0	100%	29/Nov/19 A	19/Dec/19 A	■ Review and Approve Package Wiring Devices																												
SM 26 360	Fabricate and Deliver Electrical Wiring Devices	15	0	100%	19/Dec/19 A	21/Jan/20 A	■ Fabricate and Deliver Electrical Wiring Devices																												
Lighting Fixtures							111	48		22/Oct/19 A	08/Apr/20																								
SM 26 130	Prepare and Submit Package Light Fixtures	20	0	100%	22/Oct/19 A	27/Nov/19 A	■ Prepare and Submit Package Light Fixtures																												
SM 26 250	Review and Approve Package Light Fixtures	15	0	100%	29/Nov/19 A	31/Jan/20 A	■ Review and Approve Package Light Fixtures																												
SM 26 370	Fabricate & Deliver Lighting Fixtures	48	48	0%	31/Jan/20 A	08/Apr/20	■ Fabricate & Deliver Lighting Fixtures																												
Electric Power Equipment							71	20		22/Oct/19 A	28/Feb/20																								
SM26 1030	Prepare and Submit Package Electrical Power Equipment	15	0	100%	22/Oct/19 A	20/Nov/19 A	■ Prepare and Submit Package Electrical Power Equipment																												

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							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
SM27 1230	Fabricate & Deliver Intermediate Distribution Facility	5	0	100%	08/Jan/20 A	14/Jan/20 A																											
Public Address System		58	0		22/Oct/19 A	14/Jan/20 A																											
SM27 1240	Prepare & Submit Package - Public Address System	15	0	100%	22/Oct/19 A	20/Nov/19 A																											
SM27 1250	Review & Approve Package - Public Address System	15	0	100%	19/Dec/19 A	07/Jan/20 A																											
SM27 1260	Fabricate & Deliver Public Address System	5	0	100%	08/Jan/20 A	14/Jan/20 A																											
Wireless Master Clock System		58	0		22/Oct/19 A	14/Jan/20 A																											
SM27 1270	Prepare & Submit Package - Wireless Clock System	15	0	100%	22/Oct/19 A	20/Nov/19 A																											
SM27 1280	Review & Approve Package - Wireless Clock System	15	0	100%	19/Dec/19 A	07/Jan/20 A																											
SM27 1290	Fabricate & Deliver Wireless Clock System	5	0	100%	08/Jan/20 A	14/Jan/20 A																											
Two Way Communications Call Boxes		58	0		22/Oct/19 A	14/Jan/20 A																											
SM27 1300	Prepare & Submit Package - Two Way Call Box	15	0	100%	22/Oct/19 A	20/Nov/19 A																											
SM27 1310	Review & Approve Package - Two Way Call Box	15	0	100%	19/Dec/19 A	07/Jan/20 A																											
SM27 1320	Fabricate & Deliver Two Way Call Box	5	0	100%	08/Jan/20 A	14/Jan/20 A																											
Local Sound System		58	0		22/Oct/19 A	14/Jan/20 A																											
SM27 1360	Prepare & Submit Package - Local Sound System	15	0	100%	22/Oct/19 A	20/Nov/19 A																											
SM27 1370	Review & Approve Package - Local Sound System	15	0	100%	19/Dec/19 A	07/Jan/20 A																											
SM27 1380	Fabricate & Deliver Local Sound System	5	0	100%	08/Jan/20 A	14/Jan/20 A																											
Elevator Phone Line Fault Monitor		58	0		22/Oct/19 A	14/Jan/20 A																											
SM27 1330	Prepare & Submit Package - Elevator Phone Line Fault Monitor	15	0	100%	22/Oct/19 A	20/Nov/19 A																											
SM27 1340	Review & Approve Package - Elevator Phone Line Fault Monitor	15	0	100%	19/Dec/19 A	07/Jan/20 A																											
SM27 1350	Fabricate & Deliver Elevator Phone Line Fault Monitor	5	0	100%	08/Jan/20 A	14/Jan/20 A																											
CCTV System		58	0		22/Oct/19 A	14/Jan/20 A																											
SM27 1390	Prepare & Submit Package - CCTV	15	0	100%	22/Oct/19 A	20/Nov/19 A																											
SM27 1400	Review & Approve Package - CCTV	15	0	100%	19/Dec/19 A	07/Jan/20 A																											
SM27 1410	Fabricate & Deliver CCTV	5	0	100%	08/Jan/20 A	14/Jan/20 A																											
Division 31 - Earthwork		45	0		30/May/19 A	01/Aug/19 A																											
312100 Erosion & Sediment Control		30	0		30/May/19 A	11/Jul/19 A																											
SM 31 1100	Submit & Review and Approve Erosion Controls	30	0	100%	30/May/19 A	11/Jul/19 A																											
SM 31 1110	Order & Deliver Erosion Controls	5	0	100%	11/Jun/19 A	17/Jun/19 A																											
312000 Earth Moving		24	0		20/Jun/19 A	24/Jul/19 A																											
SM 31 1120	Submit & Review and Approve Submittals	20	0	100%	20/Jun/19 A	19/Jul/19 A																											
SM 31 1130	Order & Deliver Materials	4	0	100%	19/Jul/19 A	24/Jul/19 A																											
316000 Ground Improvements		21	0		01/Jul/19 A	01/Aug/19 A																											
SM 31 1140	Prepare and Submit Design Ground Improvements	15	0	100%	01/Jul/19 A	23/Jul/19 A																											
SM 31 1160	Review & Approve Ground Improvements	5	0	100%	24/Jul/19 A	25/Jul/19 A																											
SM 31 1150	Release & Schedule Ground Improvements	4	0	100%	25/Jul/19 A	01/Aug/19 A																											
316000 Slope Stability		22	0		02/Jul/19 A	01/Aug/19 A																											
SM 31 1170	Prepare and Submit Design Slope Stability	12	0	100%	02/Jul/19 A	22/Jul/19 A																											
SM 31 1190	Review & Approve Slope Stability Design	5	0	100%	23/Jul/19 A	29/Jul/19 A																											
SM 31 1180	Release & Schedule Slope Stability Scope	4	0	100%	29/Jul/19 A	01/Aug/19 A																											
Division 32 - Exterior Improvements		304	304		31/Jan/20	12/Apr/21																											
321216 Asphalt Paving		95	95		31/Jan/20	15/Jan/20																											
SM 32 100	Prepare and Submit Package Bases, Ballasts, Paving	20	20	0%	31/Jan/20	28/Feb/20																											
SM 32 110	Review and Approve Package Bases, Ballasts, Paving	15	15	0%	02/Mar/20	20/Mar/20																											
SM 32 320	Fabricate and Deliver Bases, Ballasts, Paving	20	20	0%	18/May/20	15/Jan/20																											
321316 Concrete Paving		75	75		31/Jan/20	15/May/20																											
SM 32 100	Prepare and Submit Package - Concrete Paving	30	30	0%	31/Jan/20	13/Mar/20																											
SM 32 200	Review and Approve Package - Concrete Paving	25	25	0%	16/Mar/20	17/Apr/20																											
SM 32 270	Fabricate & Deliver Concrete Paving	20	20	0%	20/Apr/20	15/May/20																											
321500 Stone Dust Surfacing		20	20		24/Mar/20	20/Apr/20																											
SM 32 330	Prepare and Submit Package - Stone Dust Surfacing	10	10	0%	24/Mar/20	06/Apr/20																											

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							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1F2 190	Install MEP & Fire Alarm Finishes	15	15	0%	05/May/20	26/May/20																							
1F2 200	Install Bathroom Plumbing Fixtures	8	8	0%	07/May/20	18/May/20																							
1F2 320	Install Classroom Bathroom Fixtures	5	5	0%	07/May/20	13/May/20																							
1F2 220	Prep & Install Resilient Flooring	18	18	0%	08/May/20	03/Jun/20																							
1F2 330	Install Doors, HW, Interior SF & Interior Glazing	10	10	0%	08/May/20	21/May/20																							
1F2 240	Install Division 10,11,12	10	10	0%	18/May/20	01/Jun/20																							
1F2 230	Complete Finishes 2nd Floor	0	0	0%		03/Jun/20																							
1st Floor Finishes		58	58		25/Mar/20	15/Jun/20																							
1F1 100	Start Finishes 1st Floor	0	0	0%	25/Mar/20																								
1F1 110	Hang Drywall/Tape & Finish	14	14	0%	25/Mar/20	13/Apr/20																							
1F1 120	Paint - Prime & First Coat	7	7	0%	14/Apr/20	22/Apr/20																							
1F1 130	Install Ceiling Grids and Frames	8	8	0%	28/Apr/20	07/May/20																							
1F1 160	Install HVAC Radiant Panels & RGDs	10	10	0%	28/Apr/20	11/May/20																							
1F1 105	GBoard Ceilings, Soffits	8	8	0%	28/Apr/20	07/May/20																							
1F1 250	Install Sprinklers drops and heads	8	8	0%	01/May/20	12/May/20																							
1F1 270	Prep & Install Epoxy Flooring	10	10	0%	01/May/20	14/May/20																							
1F1 140	Install Light Fixtures	10	10	0%	06/May/20	19/May/20																							
1F1 170	Install Wall Tile	15	15	0%	08/May/20	29/May/20																							
1F1 150	Install Acoustical Ceiling tile & Wood Ceiling	8	8	0%	12/May/20	21/May/20																							
1F1 180	Paint Finish Coat	10	10	0%	13/May/20	27/May/20																							
1F1 210	Install Millwork & Casework	15	15	0%	19/May/20	09/Jun/20																							
1F1 260	Install Classroom Bathroom Fixtures	8	8	0%	19/May/20	29/May/20																							
1F1 190	Install MEP & Fire Alarm Finishes	15	15	0%	20/May/20	10/Jun/20																							
1F1 220	Prep & Install Resilient Flooring	18	18	0%	20/May/20	15/Jun/20																							
1F1 340	Install Doors, HW, Interior SF & Interior Glazing	10	10	0%	20/May/20	03/Jun/20																							
1F1 240	Install Division 10,11,12	10	10	0%	28/May/20	10/Jun/20																							
1F1 200	Install Bathroom Plumbing Fixtures	5	5	0%	01/Jun/20	05/Jun/20																							
1F1 230	Complete Finishes 1st Floor	0	0	0%		15/Jun/20																							
Elevator		103	103		31/Jan/20	25/Jun/20																							
1ELV 100	Construct Hoistway & Penthouse	20	20	0%	31/Jan/20	28/Feb/20																							
1ELV 110	Electrical Rough in Elevator	15	15	0%	07/Feb/20	28/Feb/20																							
1ELV 120	Hoistway & Cab Finishes	40	40	0%	09/Apr/20	04/Jun/20																							
1ELV 130	Call for State Inspection	15	15	0%	05/Jun/20	25/Jun/20																							
Mechanical Room		75	75		31/Jan/20	15/May/20																							
1MCH 100	Install Housekeeping pads	3	3	0%	31/Jan/20	04/Feb/20																							
1MCH 150	Plumbing Rough-in	10	10	0%	31/Jan/20	13/Feb/20																							
1MCH 130	Electrical Rough-in	10	10	0%	12/Feb/20	26/Feb/20																							
1MCH 140	Install Duct Work and HVAC piping	10	10	0%	14/Feb/20	02/Mar/20																							
1MCH 120	Install HVAC Mech Room Equipment - Boilers, Water Heaters, Pu	15	15	0%	16/Mar/20	03/Apr/20																							
1MCH 160	ATC Rough-in, Terminations and Check out	12	12	0%	02/Apr/20	17/Apr/20																							
1MCH 170	HVAC Equip Startup and Pre-Testing	20	20	0%	20/Apr/20	15/May/20																							
Electrical Rooms		85	85		20/Jan/20 A	01/Jun/20																							
1ELE100	Electric room preparation (pre-switchgear)	10	6	40%	20/Jan/20 A	07/Feb/20																							
1ELE 100	Install Housekeeping pads	3	11	0%	30/Jan/20 A	14/Feb/20																							
1ELE160	Run Secondary feeds from transformer to switch gear	5	5	0%	14/Feb/20	21/Feb/20																							
1ELE150	Rough-in Supporting MEP's	5	5	0%	14/Feb/20	21/Feb/20																							
1ELE140	Install switchgear and main distribution panels	10	10	0%	14/Feb/20	28/Feb/20																							
1ELE130	Electrical terminations and testing	5	5	0%	02/Mar/20	06/Mar/20																							
1ELE120	Switchover to new permanent power	3	3	0%	09/Mar/20	11/Mar/20																							
1ELE110	Install Generator	5	5	0%	26/May/20	01/Jun/20																							
West Wing Site Finishes		35	35		22/May/20	13/Jul/20																							

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1SIT 100	Final grading	5	5	0%	22/May/20	29/May/20																															
1SIT 110	Site Lighting	10	10	0%	01/Jun/20	12/Jun/20																															
1SIT 120	Site walks, walls and paving	20	20	0%	08/Jun/20	06/Jul/20																															
1SIT 130	Lawns and plantings	10	10	0%	29/Jun/20	13/Jul/20																															
1SIT 140	Site Improvements / Installation of Handrails & Guardrails	5	5	0%	07/Jul/20	13/Jul/20																															
WTR Work List, Cleaning, Punchlists		20	20		02/Jun/20	29/Jun/20																															
SC11030	Clean Up, WTR Punch List - 2nd Floor	10	10	0%	02/Jun/20	15/Jun/20																															
SC11020	Clean Up, WTR Punch List - 1st Floor	10	10	0%	16/Jun/20	29/Jun/20																															
Phase 1 Testing & Substantial Completion		100	100		11/Jun/20	30/Oct/20																															
SC11060	Fire Alarm Programming and Final testing	7	7	0%	11/Jun/20	19/Jun/20																															
SC11080	HVAC Testing & Balancing	15	15	0%	16/Jun/20	07/Jul/20																															
SC11040	Elevator Inspection	3	3	0%	26/Jun/20	30/Jun/20																															
SC11000	Architect's Punch List, Final Cleaning	12	12	0%	30/Jun/20	16/Jul/20																															
SC11090	MEP Inspections	5	5	0%	08/Jul/20	14/Jul/20																															
SC11070	Fire Department Inspections	3	3	0%	08/Jul/20	10/Jul/20																															
SC11100	Primary Systems Commissioning	10	10	0%	08/Jul/20	21/Jul/20																															
SC11050	Final Building Inspection	3	3	0%	15/Jul/20	17/Jul/20																															
SC11010	Temporary Certificate of Occupancy - Phase 1	2	2	0%	20/Jul/20	21/Jul/20																															
SC11120	Building Flushout	15	15	0%	23/Jul/20	06/Aug/20																															
SC11110	Substantial Completion Phase 1 (8/7/20)	0	0	0%		07/Aug/20*																															
SC11130	Hot Water System Flushout	15	15	0%	12/Oct/20*	30/Oct/20																															
Phase 2 - Remainder of New Building		283	283		26/Jun/20	06/Aug/21																															
Demolition - Central & Southeast Wings		22	22		26/Jun/20	28/Jul/20																															
2DEM 230	Mobilize Phase 2 - End of School 2020/Central & SE Wings Vacate	0	0	0%	26/Jun/20*																																
2DEM 240	Cut, Cap, Make-Safe/Selective Demolition	1	1	0%	26/Jun/20	26/Jun/20																															
2DEM 250	Set Up Containment	2	2	0%	26/Jun/20	29/Jun/20																															
2DEM 210	Conduct Abatement/Air Clearance/Break down Containment	5	5	0%	30/Jun/20	07/Jul/20																															
2DEM 220	Demolish and Remove Building & Foundation - Backfill. Rough G	15	15	0%	08/Jul/20	28/Jul/20																															
2DEM 260	Install temporary Structural Supports	2	2	0%	08/Jul/20	09/Jul/20																															
Superstructure-2		86	86		29/Jul/20	30/Nov/20																															
2SS260	Grade Site for Ground Improvements	5	5	0%	29/Jul/20	04/Aug/20																															
2SS240	Install Ground Improvements	10	10	0%	05/Aug/20	18/Aug/20																															
2SS270	Ready for Foundations	0	0	0%	19/Aug/20																																
2SS280	Excavate for Foundations	20	20	0%	19/Aug/20	16/Sep/20																															
2SS290	Form & Place Footings	10	10	0%	20/Aug/20	02/Sep/20																															
2SS300	Form & Place Foundation Walls, Piers, Pillasters	25	25	0%	27/Aug/20	01/Oct/20																															
2SS340	Backfill Foundations	20	20	0%	11/Sep/20	08/Oct/20																															
2SS320	Form & Place Elevator Pit	5	5	0%	25/Sep/20	01/Oct/20																															
2SS310	Damproof Foundations	5	5	0%	02/Oct/20	08/Oct/20																															
2SS330	Waterproof Elevator Pit	5	5	0%	02/Oct/20	08/Oct/20																															
2SS250	Erect Structural Steel	15	15	0%	09/Oct/20	29/Oct/20																															
2SS350	Foundations ready for CMU & Steel	0	0	0%	09/Oct/20																																
2SS360	Install Steel Decking & Detailing	20	20	0%	30/Oct/20	30/Nov/20																															
2SS550	Install CMU Stair Shafts	10	10	0%	13/Nov/20	30/Nov/20																															
2SS370	Structural Steel Complete	0	0	0%		30/Nov/20																															
Slabs		57	57		01/Dec/20	19/Feb/21																															
2SL 190	Enclose Building for Winter Concrete	5	5	0%	01/Dec/20	07/Dec/20																															
2SL 150	Prep & Place Slab on Deck	5	5	0%	03/Dec/20	09/Dec/20																															
2SL 160	Install Underslab MEPs & Inspect	15	15	0%	10/Dec/20	31/Dec/20																															
2SL 170	Prep & Place Slab on Grade	5	5	0%	04/Jan/21	08/Jan/21																															
2SL 180	Install Stairways	30	30	0%	11/Jan/21	19/Feb/21																															

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W.T. Rich Company, Inc.

Activity ID	Activity Name	Orig Dur (Days)	Rem Dur	Act % Comp	Start	Finish	2018				2019				2020				2021				2022				2023				
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Roofing & Roof Mounted Items							40	40		01/Dec/20	27/Jan/21																				
2EX 240	Roof Blocking/Roof Drains/Mechanical Curbs	5	5	0%	01/Dec/20	07/Dec/20																									
2EX 220	Install Roofing System	15	15	0%	08/Dec/20	29/Dec/20																									
2EX 230	Install HVAC Roof Top Units	10	10	0%	30/Dec/20	13/Jan/21																									
2EX 210	Install Kitchen / Roof Exhaust Fans	10	10	0%	30/Dec/20	13/Jan/21																									
2EX 260	Install Chiller and startup	10	10	0%	30/Dec/20	13/Jan/21																									
2EX 250	Install Edge Metal & Sheet Metal Flashing	10	10	0%	30/Dec/20	13/Jan/21																									
2EX 225	Install Roof Screens	10	10	0%	14/Jan/21	27/Jan/21																									
Envelope							85	85		10/Dec/20	09/Apr/21																				
2EX 100	Install Exterior Framing & Sheathing	15	15	0%	10/Dec/20	31/Dec/20																									
2EX 130	Install Temporary Weather Protection (for rough in)	10	10	0%	17/Dec/20	04/Jan/21																									
2EX 110	Install Air Vapor Barrier	10	10	0%	24/Dec/20	08/Jan/21																									
2EX 160	Install Masonry Finishes	25	25	0%	11/Jan/21	12/Feb/21																									
2EX 140	Install Windows, Curtainwalls	20	20	0%	15/Feb/21	12/Mar/21																									
2EX 150	Install Storefronts	20	20	0%	15/Mar/21	09/Apr/21																									
Rough In							68	68		04/Jan/21	07/Apr/21																				
2nd Floor Rough In - Library, Bridge							43	43		04/Jan/21	03/Mar/21																				
2R2 100	Start Rough In	0	0	0%	04/Jan/21																										
2R2 110	Rough-in HVAC Ductwork & Piping	8	8	0%	14/Jan/21	25/Jan/21																									
2R2 120	Frame Interior Partitions	8	8	0%	21/Jan/21	01/Feb/21																									
2R2 130	Rough-in Plumbing	5	5	0%	28/Jan/21	03/Feb/21																									
2R2 140	Rough-in Electrical Poer, Lights	12	12	0%	28/Jan/21	12/Feb/21																									
2R2 180	Rough-in Fire Alarm	12	12	0%	28/Jan/21	12/Feb/21																									
2R2 190	Rough-in ATCs	12	12	0%	28/Jan/21	12/Feb/21																									
2R2 200	Rough-in Tele/data	12	12	0%	28/Jan/21	12/Feb/21																									
2R2 150	Rough-in Fire Protection	8	8	0%	02/Feb/21	11/Feb/21																									
2R2 100	MEP Inspections	3	3	0%	12/Feb/21	16/Feb/21																									
2R2 110	MECH Insulation & Firestopping	5	5	0%	17/Feb/21	23/Feb/21																									
2R2 120	MECH Insulation Inspection	1	1	0%	24/Feb/21	24/Feb/21																									
2R2 130	Building Insulation	5	5	0%	25/Feb/21	03/Mar/21																									
2R2 140	Inwall Inspection	5	5	0%	25/Feb/21	03/Mar/21																									
2R2 170	Complete Rough-in 2nd Floor Library	0	0	0%		03/Mar/21																									
1st Floor Rough In - Admin & Pre-K							68	68		04/Jan/21	07/Apr/21																				
2R1 100	Start Rough In 1st Floor	0	0	0%	04/Jan/21																										
2R1 110	Rough-in HVAC Ductwork & Piping	20	20	0%	18/Jan/21	12/Feb/21																									
2R1 120	Frame Interior Partitions	15	15	0%	02/Feb/21	22/Feb/21																									
2R1 150	Rough-in Fire Protection	10	10	0%	09/Feb/21	22/Feb/21																									
2R1 130	Rough-in Plumbing	12	12	0%	16/Feb/21	03/Mar/21																									
2R1 140	Rough-in Electrical Power, Lights	20	20	0%	16/Feb/21	15/Mar/21																									
2R1 180	Rough-in Fire Alarm	20	20	0%	16/Feb/21	15/Mar/21																									
2R1 190	Rough-in ATCs	20	20	0%	16/Feb/21	15/Mar/21																									
2R1 200	Rough-in Tele/data	20	20	0%	16/Feb/21	15/Mar/21																									
2R1 100	MEP Inspections	3	3	0%	04/Mar/21	08/Mar/21																									
2R1 110	MECH Insulation & Firestopping	5	5	0%	09/Mar/21	15/Mar/21																									
2R1 120	MECH Insulation Inspection	1	1	0%	16/Mar/21	16/Mar/21																									
2R1 130	Building Insulation	5	5	0%	17/Mar/21	23/Mar/21																									
2R1 140	Inwall Inspection	5	5	0%	17/Mar/21	23/Mar/21																									
2R1 170	Complete Rough-in 1st Floor	0	0	0%		23/Mar/21																									
Gymnasium/Cafeteria/Stage							52	52		11/Jan/21	23/Mar/21																				
2RG 100	Start Rough In Gym/Caf	0	0	0%	11/Jan/21																										
2RG 110	Rough-in HVAC Ductwork & Piping	15	15	0%	25/Jan/21	12/Feb/21																									

- Roof Blocking/Roof Drains/Mechanical Curbs
 - Install Roofing System
 - Install HVAC Roof Top Units
 - Install Kitchen / Roof Exhaust Fans
 - Install Chiller and startup
 - Install Edge Metal & Sheet Metal Flashing
 - Install Roof Screens
-
- Install Exterior Framing & Sheathing
 - Install Temporary Weather Protection (for rough in)
 - Install Air Vapor Barrier
 - Install Masonry Finishes
 - Install Windows, Curtainwalls
 - Install Storefronts
-
- ◆ Start Rough In
 - Rough-in HVAC Ductwork & Piping
 - Frame Interior Partitions
 - Rough-in Plumbing
 - Rough-in Electrical Poer, Lights
 - Rough-in Fire Alarm
 - Rough-in ATCs
 - Rough-in Tele/data
 - Rough-in Fire Protection
 - MEP Inspections
 - MECH Insulation & Firestopping
 - MECH Insulation Inspection
 - Building Insulation
 - Inwall Inspection
 - ◆ Complete Rough-in 2nd Floor Library
-
- ◆ Start Rough In 1st Floor
 - Rough-in HVAC Ductwork & Piping
 - Frame Interior Partitions
 - Rough-in Fire Protection
 - Rough-in Plumbing
 - Rough-in Electrical Power, Lights
 - Rough-in Fire Alarm
 - Rough-in ATCs
 - Rough-in Tele/data
 - MEP Inspections
 - MECH Insulation & Firestopping
 - MECH Insulation Inspection
 - Building Insulation
 - Inwall Inspection
 - ◆ Complete Rough-in 1st Floor
-
- ◆ Start Rough In Gym/Caf
 - Rough-in HVAC Ductwork & Piping

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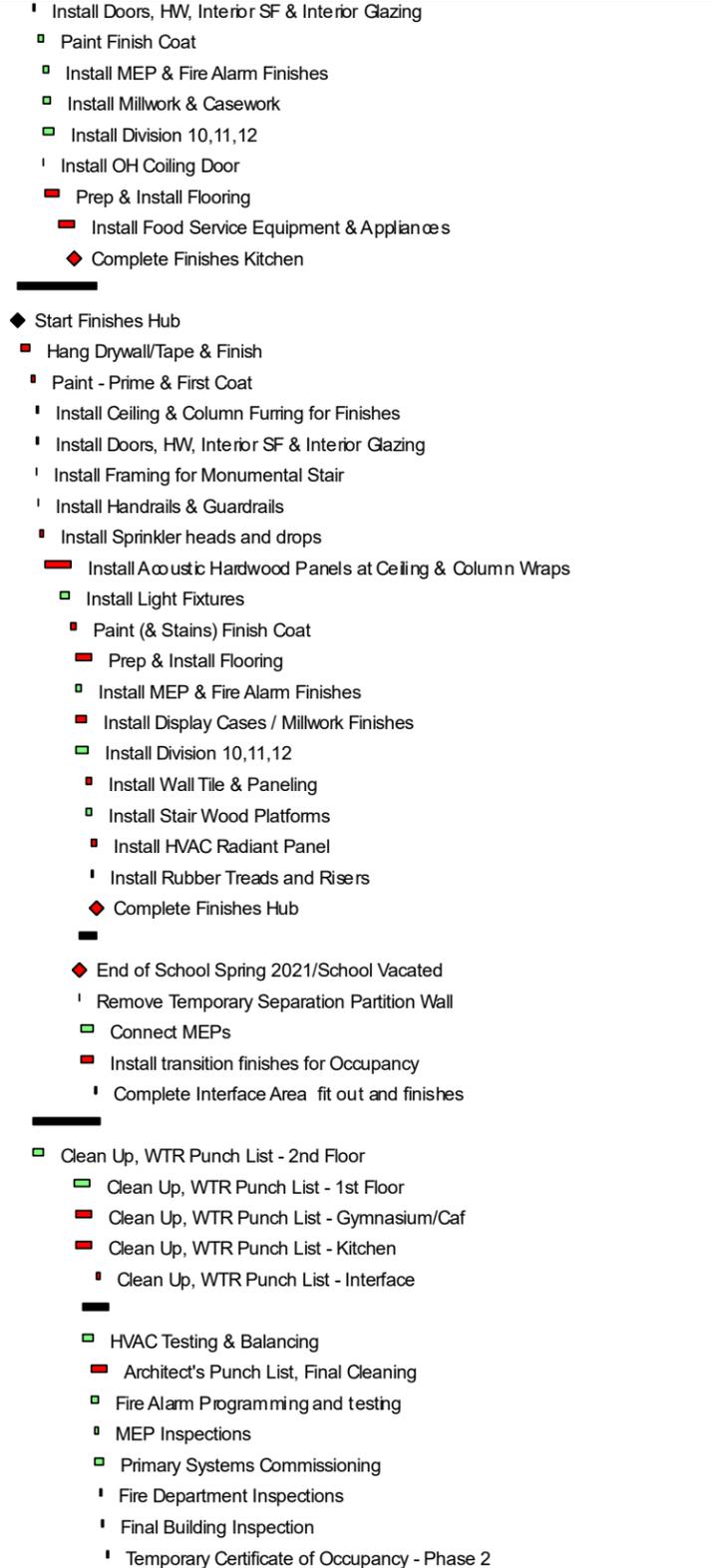
	Summary		Critical Remaining Work
	Actual Work		Actual Milestone
	Remaining Work		Milestone
	Remaining Level of Effort		Critical Milestone

Manchester Memorial Elementary School

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W.T. Rich Company, Inc.

Activity ID	Activity Name	Orig Dur (Days)	Rem Dur	Act % Comp	Start	Finish	2018			2019				2020				2021				2022				2023			
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
2FK 370	Install Doors, HW, Interior SF & Interior Glazing	3	3	0%	27/Apr/21	29/Apr/21																							
2FK 180	Paint Finish Coat	5	5	0%	05/May/21	11/May/21																							
2FK 190	Install MEP & Fire Alarm Finishes	5	5	0%	12/May/21	18/May/21																							
2FK 210	Install Millwork & Casework	8	8	0%	12/May/21	21/May/21																							
2FK 240	Install Division 10,11,12	10	10	0%	12/May/21	25/May/21																							
2FK 260	Install OH Coiling Door	1	1	0%	12/May/21	12/May/21																							
2FK 220	Prep & Install Flooring	12	12	0%	14/May/21	01/Jun/21																							
2FK 200	Install Food Service Equipment & Appliances	15	15	0%	02/Jun/21	22/Jun/21																							
2FK 230	Complete Finishes Kitchen	0	0	0%		22/Jun/21																							
Hub Finishes		73	73		08/Apr/21	21/Jul/21																							
2HF 380	Start Finishes Hub	0	0	0%	08/Apr/21																								
2HF 390	Hang Drywall/Tape & Finish	10	10	0%	12/Apr/21	23/Apr/21																							
2HF 400	Paint - Prime & First Coat	5	5	0%	26/Apr/21	30/Apr/21																							
2HF 410	Install Ceiling & Column Furring for Finishes	3	3	0%	03/May/21	05/May/21																							
2HF 540	Install Doors, HW, Interior SF & Interior Glazing	3	3	0%	03/May/21	05/May/21																							
2HF 510	Install Framing for Monumental Stair	1	1	0%	03/May/21	03/May/21																							
2HF 530	Install Handrails & Guardrails	1	1	0%	04/May/21	04/May/21																							
2HF 520	Install Sprinkler heads and drops	5	5	0%	06/May/21	12/May/21																							
2HF 430	Install Acoustic Hardwood Panels at Ceiling & Column Wraps	25	25	0%	13/May/21	17/Jun/21																							
2HF 420	Install Light Fixtures	8	8	0%	04/Jun/21	15/Jun/21																							
2HF 460	Paint (& Stains) Finish Coat	5	5	0%	18/Jun/21	24/Jun/21																							
2HF 490	Prep & Install Flooring	15	15	0%	23/Jun/21	14/Jul/21																							
2HF 470	Install MEP & Fire Alarm Finishes	5	5	0%	25/Jun/21	01/Jul/21																							
2HF 480	Install Display Cases / Millwork Finishes	8	8	0%	25/Jun/21	07/Jul/21																							
2HF 300	Install Division 10,11,12	10	10	0%	25/Jun/21	09/Jul/21																							
2HF 450	Install Wall Tile & Paneling	5	5	0%	08/Jul/21	14/Jul/21																							
2HF 550	Install Stair Wood Platforms	5	5	0%	08/Jul/21	14/Jul/21																							
2HF 440	Install HVAC Radiant Panel	5	5	0%	15/Jul/21	21/Jul/21																							
2HF 560	Install Rubber Treads and Risers	2	2	0%	15/Jul/21	16/Jul/21																							
2HF 500	Complete Finishes Hub	0	0	0%		21/Jul/21																							
Building Interface - West Wing to East Wing		17	17		28/Jun/21	21/Jul/21																							
2IF 130	End of School Spring 2021/School Vacated	0	0	0%	28/Jun/21*																								
2IF 100	Remove Temporary Separation Partition Wall	1	1	0%	29/Jun/21	29/Jun/21																							
2IF 110	Connect MEPs	12	12	0%	30/Jun/21	16/Jul/21																							
2IF 140	Install transition finishes for Occupancy	12	12	0%	30/Jun/21	16/Jul/21																							
2IF 120	Complete Interface Area fit out and finishes	3	3	0%	19/Jul/21	21/Jul/21																							
WTR Work Lists, Cleaning, Punch Lists		62	62		28/Apr/21	26/Jul/21																							
SC21030	Clean Up, WTR Punch List - 2nd Floor	10	10	0%	28/Apr/21	11/May/21																							
SC21020	Clean Up, WTR Punch List - 1st Floor	15	15	0%	21/Jun/21	12/Jul/21																							
SC21120	Clean Up, WTR Punch List - Gymnasium/Caf	15	15	0%	23/Jun/21	14/Jul/21																							
SC21130	Clean Up, WTR Punch List - Kitchen	15	15	0%	23/Jun/21	14/Jul/21																							
SC21110	Clean Up, WTR Punch List - Interface	3	3	0%	22/Jul/21	26/Jul/21																							
Phase 2 Testing & Substantial Completion		25	25		02/Jul/21	06/Aug/21																							
SC21070	HVAC Testing & Balancing	10	10	0%	02/Jul/21	16/Jul/21																							
SC21000	Architect's Punch List, Final Cleaning	15	15	0%	15/Jul/21	04/Aug/21																							
SC21050	Fire Alarm Programming and testing	7	7	0%	15/Jul/21	23/Jul/21																							
SC21080	MEP Inspections	5	5	0%	19/Jul/21	23/Jul/21																							
SC21090	Primary Systems Commissioning	10	10	0%	19/Jul/21	30/Jul/21																							
SC21060	Fire Department Inspections	3	3	0%	26/Jul/21	28/Jul/21																							
SC21040	Final Building Inspection	2	2	0%	29/Jul/21	30/Jul/21																							
SC21010	Temporary Certificate of Occupancy - Phase 2	2	2	0%	05/Aug/21	06/Aug/21																							



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Summary	Critical Remaining Work
Actual Work	Actual Milestone
Remaining Work	Milestone
Remaining Level of Effort	Critical Milestone

Manchester Memorial Elementary School

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W.T. Rich Company, Inc.

Activity ID	Activity Name	Orig Dur (Days)	Rem Dur	Act % Comp	Start	Finish	2018			2019				2020				2021				2022				2023				
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
SC21100	Substantial Completion Phase 2	0	0	0%		06/Aug/21*																								
Phase 3 - Final Site Finishes		141	141		12/Apr/21	28/Oct/21																								
Demolition - Northern Wings		25	25		28/Jun/21	02/Aug/21																								
3DEM 100	Mobilize Phase 3 - Close of School 2021	1	1	0%	28/Jun/21*	28/Jun/21	<ul style="list-style-type: none"> Mobilize Phase 3 - Close of School 2021 																							
3DEM 110	Conduct Abatement of Remaining Building (Boiler Room, Gym, A	10	10	0%	28/Jun/21	12/Jul/21	<ul style="list-style-type: none"> Conduct Abatement of Remaining Building (Boiler Room, Gym, Auditorium, C 																							
3DEM 120	Demolish and Remove Building & Foundation .	20	20	0%	06/Jul/21	02/Aug/21	<ul style="list-style-type: none"> Demolish and Remove Building & Foundation . 																							
Site Finishes		141	141		12/Apr/21	28/Oct/21																								
Site Utilities		30	30		03/Aug/21	14/Sep/21																								
3SIT 300	Site Drainage (North Side of Site)	20	20	0%	03/Aug/21	30/Aug/21	<ul style="list-style-type: none"> Site Drainage (North Side of Site) 																							
3SIT 650	Infiltration System	20	20	0%	03/Aug/21	30/Aug/21	<ul style="list-style-type: none"> Infiltration System 																							
3SIT 310	Site lighting and light pole bases	10	10	0%	31/Aug/21	14/Sep/21	<ul style="list-style-type: none"> Site lighting and light pole bases 																							
Priority Walkways for School Opening		81	81		12/Apr/21	04/Aug/21																								
A1000	Utilities (drainage/site lighting) at South Side of Site (K-1 and Pre-	30	30	0%	12/Apr/21	21/May/21	<ul style="list-style-type: none"> Utilities (drainage/site lighting) at South Side of Site (K-1 and Pre-K Areas) 																							
A1010	Grade and prepare sub-base	3	3	0%	23/Jun/21	25/Jun/21	<ul style="list-style-type: none"> Grade and prepare sub-base 																							
A1020	Form and prep for concrete walkways	5	5	0%	28/Jun/21	02/Jul/21	<ul style="list-style-type: none"> Form and prep for concrete walkways 																							
A1030	Place and finish concrete walks	10	10	0%	09/Jul/21	22/Jul/21	<ul style="list-style-type: none"> Place and finish concrete walks 																							
A1040	Accessible for school access	2	2	0%	03/Aug/21	04/Aug/21*	<ul style="list-style-type: none"> Accessible for school access 																							
Play Areas		134	134		19/Apr/21	26/Oct/21																								
Playground Outside K thru 1 - Southside of School		64	64		19/Apr/21	19/Jul/21																								
3SIT 670	Form & Pour Concrete Retaining Walls	5	5	0%	19/Apr/21*	23/Apr/21	<ul style="list-style-type: none"> Form & Pour Concrete Retaining Walls 																							
3SIT 400	Rough Grading	3	3	0%	24/May/21	26/May/21	<ul style="list-style-type: none"> Rough Grading 																							
3SIT 420	Set Footings / Posts / Bollards for Inground Mount Furnishings ar	5	5	0%	27/May/21	03/Jun/21	<ul style="list-style-type: none"> Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencing 																							
3SIT 490	Set Curb, Raised Planters, and Finish Grade	3	3	0%	04/Jun/21	08/Jun/21	<ul style="list-style-type: none"> Set Curb, Raised Planters, and Finish Grade 																							
3SIT 430	Pour Concrete Sidewalks and Pads	10	10	0%	09/Jun/21	22/Jun/21	<ul style="list-style-type: none"> Pour Concrete Sidewalks and Pads 																							
3SIT 410	Install Playground Equipment / Above Ground / Surface Mount F	10	10	0%	23/Jun/21	07/Jul/21	<ul style="list-style-type: none"> Install Playground Equipment / Above Ground / Surface Mount Furnishings / 																							
3SIT 610	Install Safety Play Surfacing	5	5	0%	23/Jun/21	29/Jun/21	<ul style="list-style-type: none"> Install Safety Play Surfacing 																							
3SIT 640	Install Sub Base and Asphalt Binder Course	3	3	0%	23/Jun/21	25/Jun/21	<ul style="list-style-type: none"> Install Sub Base and Asphalt Binder Course 																							
3SIT 550	Install Plantings & Lawns	10	10	0%	30/Jun/21	14/Jul/21	<ul style="list-style-type: none"> Install Plantings & Lawns 																							
3SIT 520	Asphalt Paved Walkways	3	3	0%	15/Jul/21	19/Jul/21	<ul style="list-style-type: none"> Asphalt Paved Walkways 																							
Playground at Pre-K - Eastside		57	57		27/May/21	17/Aug/21																								
3SIT 500	Rough Grading	3	3	0%	27/May/21	01/Jun/21	<ul style="list-style-type: none"> Rough Grading 																							
3SIT 360	Set Footings / Posts / Bollards for Inground Mount Furnishings ar	5	5	0%	02/Jun/21	08/Jun/21	<ul style="list-style-type: none"> Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencing 																							
3SIT 380	Set Curb, Raised Planters, and Finish Grading	3	3	0%	06/Jul/21	08/Jul/21	<ul style="list-style-type: none"> Set Curb, Raised Planters, and Finish Grading 																							
3SIT 390	Pour Concrete Pavement and Pads	10	10	0%	09/Jul/21	22/Jul/21	<ul style="list-style-type: none"> Pour Concrete Pavement and Pads 																							
3SIT 530	Install Plantings and Lawns	5	5	0%	23/Jul/21	29/Jul/21	<ul style="list-style-type: none"> Install Plantings and Lawns 																							
3SIT 630	Install Sub Base and Asphalt Binder Course	3	3	0%	23/Jul/21	27/Jul/21	<ul style="list-style-type: none"> Install Sub Base and Asphalt Binder Course 																							
3SIT 600	Install Safety Play Surfacing	5	5	0%	28/Jul/21	03/Aug/21	<ul style="list-style-type: none"> Install Safety Play Surfacing 																							
3SIT 510	Asphalt Paved Walkways	2	2	0%	30/Jul/21	02/Aug/21	<ul style="list-style-type: none"> Asphalt Paved Walkways 																							
3SIT 370	Install Play Equipment / Above Ground / Surface Mount Furnish	10	10	0%	04/Aug/21	17/Aug/21	<ul style="list-style-type: none"> Install Play Equipment / Above Ground / Surface Mount Furnishings / Fen 																							
Basketball Court		40	40		31/Aug/21	26/Oct/21																								
3SIT 440	Rough Grading	3	3	0%	31/Aug/21	02/Sep/21	<ul style="list-style-type: none"> Rough Grading 																							
3SIT 460	Set Footings / Posts for Inground Mount BBall Goals, Benches, F	5	5	0%	08/Sep/21	14/Sep/21	<ul style="list-style-type: none"> Set Footings / Posts for Inground Mount BBall Goals, Benches, Fencing 																							
3SIT 480	Fine Grade for Surfacing	3	3	0%	15/Sep/21	17/Sep/21	<ul style="list-style-type: none"> Fine Grade for Surfacing 																							
3SIT 570	Install Bituminous Binder course	5	5	0%	20/Sep/21	24/Sep/21	<ul style="list-style-type: none"> Install Bituminous Binder course 																							
3SIT 470	Install Bituminous Court Surface & markings	10	10	0%	27/Sep/21	08/Oct/21	<ul style="list-style-type: none"> Install Bituminous Court Surface & markings 																							
3SIT 620	Install Plantings & Lawns	10	10	0%	08/Oct/21	21/Oct/21	<ul style="list-style-type: none"> Install Plantings & Lawns 																							
3SIT 450	Install Hoops & Above Ground Furnishings - Benches & Furnishin	5	5	0%	11/Oct/21	15/Oct/21	<ul style="list-style-type: none"> Install Hoops & Above Ground Furnishings - Benches & Furnishings 																							
3SIT 580	Install Asphalt Walkways	3	3	0%	22/Oct/21	26/Oct/21	<ul style="list-style-type: none"> Install Asphalt Walkways 																							
Playground for Grades 2-5 / Plinkoball Court - NorthWest		27	27		03/Sep/21	12/Oct/21																								
3SIT 540	Rough Grading	2	2	0%	03/Sep/21	07/Sep/21	<ul style="list-style-type: none"> Rough Grading 																							
3SIT 320	Set Footings / Posts / Bollards for Inground Mount Furnishings ar	5	5	0%	08/Sep/21	14/Sep/21	<ul style="list-style-type: none"> Set Footings / Posts / Bollards for Inground Mount Furnishings and Fen 																							

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