

# MONTHLY PROGRESS REPORT

REPORT NO. 10 | December 2021

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## ASHLAND PUBLIC SAFETY

ASHLAND, MASSACHUSETTS



Pictures: Overall Site Progress

### PROJECT DESCRIPTION:

This contract work is for a new public safety building for police and fire departments. The building will be 42,000 SF with a three-story structure, single story apparatus building with a mezzanine, a one story sally port with police vehicle storage, a freestanding carport, a free standing shooting range and associated site work. Ground level will contain the main entrance for the public, dispatch, booking area and cells roll call room, and police offices along with a k-9 kennel. The fire department will contain the watch room and apparatus bay. The second level will contain a training mezzanine for the fire department, dorm rooms, day room and kitchen, a shared fitness are for both departments and police locker rooms. The third level will contain offices and conference rooms for both police and fire departments. Some exterior features will include 2 roof gardens in police areas and sawtooth skylights in the fire department apparatus bay.

## PROJECT COMPLETION

### LAST REPORT

40.0%\*

As of Payment Application No..10

### CURRENT REPORT

48.0%\*\*

\*\*as of Pay App No. 11

### PROJECT INFORMATION:

**Owner:**  
 Town of Ashland  
 101 Main Street  
 Ashland, MA 01721  
 508.881.0100

**Owner's Project Manager:**  
 The Vertex Companies, Inc. ("VERTEX")  
 Bill Nangle  
 400 Libbey Parkway  
 Weymouth, MA 02189  
 781.952.6000 / 6060F

**Architect:**  
 HKT Architects, Inc. ("HKT")  
 Paula Claridge  
 24 Roland Street Suite 301  
 Charlestown, MA 02129  
 617.776.6678

**Contractor:**  
 CTA Construction Mangers, LLC ("CTA")  
 Bob Manning PM  
 400 Totten Pond Road 2nd Floor  
 Waltham, MA 02451  
 781.786.6600

**PAYMENT DETAILS**

**PAY APP NO. 11**

Date Executed by Contractor  
January 6, 2022

Date Certified by Architect  
January 12, 2021

Original Contract Amount  
\$22,145,000.00

Approved Change Orders  
\$508,810.48

Amended Contract Amount  
\$22,653,810.48

Approved To Date  
\$10,955,390.32

Retainage Withholdings  
\$547,769.52

Paid To Date  
\$10,407,620.80

Pending Payment  
\$1,885,332.82

Remaining To Bill  
\$12,246,190.00

# PAYMENT STATUS

Payment Application No.1 was recommended for payment in the amount of \$378,596.85.

Payment Application No. 2 was recommended for payment in the amount of \$233,970.94.

Payment Application No.3 was recommended for payment in the amount of \$226,913.00.

Payment Application No.4 was recommended for payment in the amount of \$401,084.64.

Payment Application No. 5 was recommended for payment in the amount of \$1,007,547.39.

Payment Application No. 6 was recommended for payment in the amount of \$849,580.69.

Payment Application No. 7 was recommended for payment in the amount of \$1,653,641.61.

Payment Application No. 8 was recommended for payment in the amount of \$1094,647.00.

Payment Application No. 9 was recommended for payment in the amount of \$1,449,650.63

Payment Application No. 10 was recommended for payment in the amount of \$1,226,655.23

Payment Application No. 11 was recommended for payment in the amount of \$1,885,332.82

**PROJECT COMPLETION**

**LAST REPORT**

**40.0%\***

*\*as of Pay App No.10*

**CURRENT REPORT**

**48.0%\*\***

*\*\*as of Pay App No. 11*

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## POTENTIAL DAMAGES

There are no potential damages to report at this time.

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## AFFIRMATIVE CLAIMS

There are no affirmative claims at this time.

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# SCHEDULE UPDATE

CTA is currently providing weekly 3-week look-aheads. CTA provided an updated CPM schedule showing an extension of 23 calendar days accompanied with a letter outlining several reasons for the extension request. Vertex, HKT and the Town held a meeting to discuss the concerns which resulted in CTA re-submitting a schedule in approximately 2 weeks with a more detailed outlook including associated costs.

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## CONSTRUCTION ACTIVITY

### Site:

Site work is on-going; underground utilities and drainage structures are being installed, cuts and fills are on-going at rear of site. Footings for the carport are being excavated, transformer, generator and shooting range footings and pads are also being prepared.

### Electrical:

Rough electrical throughout the building is on-going, Primary ductbank has been installed. Primary and secondary electrical poles are scheduled to be installed.

### Exterior Work:

Mock-up is on-going, Exterior framing and sheathing is approximately 95% complete at the time of this report. Exterior CMU installation is approximately 25% complete at the time of this report. Main roofs (not green roofs) are approximately 80% complete, Windows have been delivered to the site, Waterproofing and insulative coating is approximately 90% complete, AVB is scheduled to occur next month. Eversource has installed the primary and secondary poles.

### Steel:

Steel, decking and detailing for the building is complete. Steel for carport has been delivered to the site and to be installed next month.

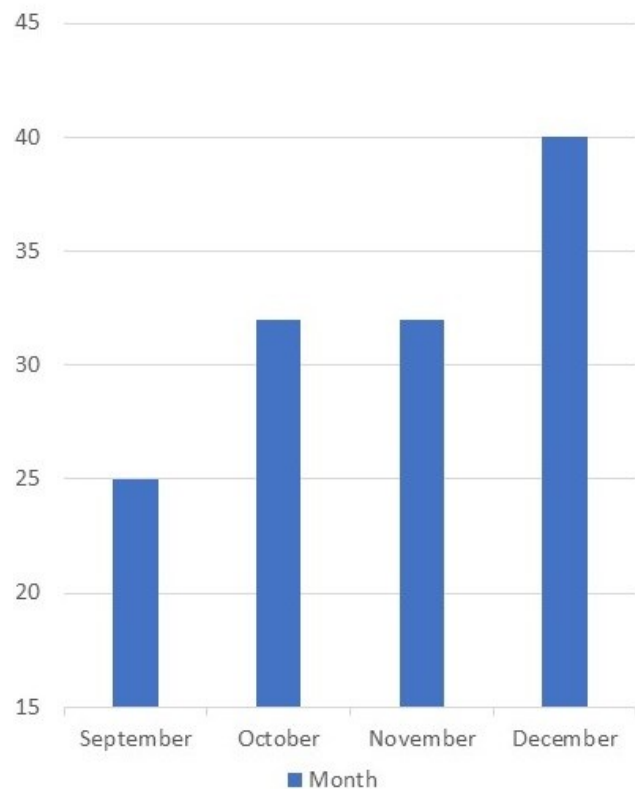
### Plumbing, HVAC, and Interior Work:

Rough plumbing, electrical, fire suppression and HVAC throughout the building on all 3 floors is on-going. Interior framing is on-going throughout the building. Interior CMU installation is on-going in the apparatus bay, detention area is 95% complete at the time of this report. Misc. metals is on-going (stairs, railings, rebar).

### Safety:

CTA along with VERTEX have been ensuring on-site job safety.

### Average Daily Workforce



### Workforce:

The average daily workforce has been approximately 40 workers per day. The low for the month was 26 workers the high was 56 workers.

### Certified Payrolls:

Certified payrolls are coming in to Vertex from the sub-contractors. VERTEX will maintain copies, and review all certified payrolls and distribute to the Town.

# CHANGE ORDERS / PROPOSAL REQUESTS

PCO No.	PR / RFI No.	Description	Amount			Status	CO
			Original	Revised	Approved		
		Starting Contingency - \$2,805,145					
1	RFI #82	PCO #1- Revised window layout due to structural brace	\$2,650.73		\$2,650.73	Approved	1
2	RFI #48	PCO #2 - PA priority cabability	\$1,053.19		\$1,053.19	Approved	1
3	RFI #85	PCO #3 - Cut/Cap two existing water mains at street	\$16,357.07	\$14,295.39	\$14,295.39	Approved	2
4	Rev. 7	PCO #4- Fire review changes	\$31,353.29	\$41,846.05	\$41,846.05	Approved	3
5	PR 02	PCO #5 - Communications antenna	\$152,662.48		\$152,662.48	Approved	1
6		PCO #6 - Eversource Temporary Power	\$17,370.00		\$17,370.00	Approved	2
7	RFI #87	PCO #7 - Sewer drain line and manhole credit	-\$3,535.00	-\$6,596.80	-\$6,596.80	Approved	2
8	RFI #84	PCO #8 - Additional drainage structures	\$9,990.05		\$9,990.05	Approved	2
9	RFI #43	PCO #9 - Added power and data for fitness room monitor	\$2,107.34		\$2,107.34	Approved	2
10	PR 01	PCO #10 - Credit for reduction in electrical connections for VRV'S	-\$796.64	-\$891.98	-\$891.98	Approved	3
11	RFI's 37,98	PCO #11 - Additional detailing	\$1,826.06	\$1,590.44	\$1,590.44	Approved	4
12	PR 03	PCO #12 - Extension of water services (water loop) w/ ledge (\$45k+/-)	\$88,820.64		\$55,427.66	Approved	3
13	RFI #135	PCO #13 - HALL 119 DOOR 116B&W22 coordination (added masonry)	\$1,555.12		\$1,555.12	Approved	3
14	RFI #88	PCO #14 - Apparatus bay underground coordination	\$1,805.40		\$1,805.40	Approved	3
15	PR 05	PCO #15 - Traffic signal equipment	\$21,559.23		\$21,559.23	Approved	3
16	ASI 004	PCO #16 - Elec. Changes for apparatus bay doors	\$1,226.86		\$1,226.86	Approved	3
17	PR 06	PCO #17 - Door access control system changes	\$12,011.68	\$17,599.75	\$17,599.75	Approved	5
18	PR 04	PCO #18 - Ambient noise sensor request	\$6,322.24		\$6,322.24	Approved	4
19		PCO #19 - Added cost for discontinued insulation	\$24,926.25		\$24,926.25	Approved	4
20		PCO #20 - Roofer material cost increase	\$134,289.48			Rejected	
21		PCO #21 - Added temp. water filtration system	\$94,527.02	\$16,150.18		Not re-submitted	
22		PCO #22 - additional footing for shooting range	\$11,592.73	\$10,979.43	\$10,979.43	Approved	5
23	RFI #147	PCO #23 - Added station alarm outlets on 2nd and 3rd floors	\$2,898.39		\$2,898.39	Approved	4
24		PCO #24 -Unsuitable soil removal	\$15,967.54		\$15,967.54	Approved	6
25	RFI #121	PCO #25 - Waterproofing at green roof	\$14,366.91	\$12,160.61	\$12,160.61	Approved	6
26		PCO #26 - ADA Compliance fridge	\$749.70		\$749.70	Approved	4
27	RFI #189	PCO #27 - Added blocking for roof gutter drains	\$17,567.61			T&M	
28	PR 07	PCO #28 - Gas line credit and added comms. for shooting range	\$10,083.07	\$9,080.66		Recommended	
29		PCO #29 - Antenna pad modifications	\$3,420.72		\$3,420.72	Approved	5
30		PCO #30 - Dumpster enclosure structural slab requirements	\$9,693.39	\$11,722.40	\$11,722.40	Approved	6
31	RFI #194	PCO #31 -Sanitary sewer clarification	\$1,311.52		\$1,311.52	Approved	5
32	PR 10	PCO #32 - Added underdrain at stair 2	\$5,571.72		\$5,571.72	Approved	5
33	PR 09	PCO #33 - Replace portion of water main in front of site	\$300,388.26			Rejected	
34	RFI #189	PCO #34 - Gable end blocking	\$15,519.73	\$4,985.13	\$4,985.13	Approved	6
35	RFI #73	PCO #35 -Typical coping gyp. Sheathing	\$4,055.99			Rejected	
36	RFI #23	PCO #36 - Window and louver blocking costs	\$13,737.42			Rejected	
37	RFI #201	PCO #37 - Added roof gutter drains	\$13,040.89		\$13,040.89	Approved	5
38	RFI #196	PCO #38 - Green Roof Slope Requirements	\$86,771.40	\$36,666.49	\$36,666.49	Approved	6
39	PR 08	PCO #39 - Fans for apparatus bay	\$67,042.19	\$75,607.00		Recommended	
40	RFI #34	PCO #40 - roof curb nailer fastening	\$17,061.04		\$17,061.04	Approved	5
41	PR 012	PCO #41 - Added pre-emption sensor at traffic signal	\$5,775.50		\$5,775.50	Approved	5
42	PR011	PCO #42 - Repair to existing stone wall	\$45,306.57			Review	
43	RFI #202	PCO #43 - Security glazing scope clarification	\$6,086.04			Recommended	
44	PR 013	PCO #44 - Revisions to vehicle exhaust system	\$20,498.34			Recommended	
45		PCO #45 -Geothermal wells - added grout and loop material	\$19,259.79			Recommended	
46	RFI #213	PCO #46 - Conceal exposed insulation at south of roof monitors	\$2,712.80			Review	
47	PR 014	PCO #47 - Enclose dispatch supervisor area	\$10,000.34			Rejected	
48	RFI #212	PCO #48 - Retaining wall drainage	\$12,571.15			Review	
49	RFI #221	PCO #49 - Sub-drain detail clarification	\$90,178.57			Review	
TBD	RFI #230	TBD -Installation of detention frames				T&M	
TBD		PCO XX - Potential ledge credit	-\$90,000.00			Not submitted	
		<b>TOTALS</b>	<b>\$648,541.15</b>	<b>\$245,194.75</b>	<b>\$508,810.48</b>		

## ISSUES / CONCERNS

1. At the time of this report Vertex is concerned about the schedule and a possible schedule extension request by CTA.

# SITE DOCUMENTATION

01



Photo depicts the progress of the exterior sheathing and blocking and AVB.

02



Photo depicts the progress of the exterior sheathing, blocking, and roofing.

03



Photo depicts the progress of exterior sheathing, blocking and installation of CMU.

04



Photo depicts the progress of the parapet framing, sheathing, blocking roofing and temporary enclosure to heat the building.

# SITE DOCUMENTATION

05



Photo depicts the progress of the detention area.

06



Photo depicts the progress of the first floor framing, plumbing, electrical and HVAC.

07



Photo depicts the progress of second floor framing, fire protection, plumbing, electrical and HVAC.

08



Photo depicts the progress of the second floor framing, fire protection, plumbing, electrical and HVAC.

# SITE DOCUMENTATION

09



Photo depicts the progress of the apparatus bay.

10



Photo depicts the progress of the third floor framing, fire protection, electrical and HVAC

11



Photo depicts progress of the Apparatus bay support rooms.

12



Photo depicts the progress of the apparatus bay roof.

# SITE DOCUMENTATION

13



Photo depicts the progress of preparation for the carport footings.

14



Photo depicts the site progress at the rear of the building and water loop installation.

15



Photo depicts the progress of the front of the site.

16



Photo depicts the progress of the front of the site along with the completion of utility pole installation.



Appendix A-01

**APPLICATION FOR PAYMENT NO. 11**  
**(cover page only)**

**APPLICATION AND CERTIFICATE FOR PAYMENT**

AIA DOCUMENT G702

PAGE ONE OF

PAGES

TO THE OWNER: Name: Town of Ashland  
Address: Town Hall  
101 Main Street  
Ashland, MA 01721

PROJECT: Name: Ashland Public Safety Building  
Address: 12 Union Street  
Ashland, MA 01721

APPLICATION NO.: 11 Distribution to:  
PERIOD TO: 12/31/2021  OWNER  
APPLICATION DATE: 12/31/2021  ARCHITECT  
Architect's Project #: \_\_\_\_\_  CONTRACTOR

FROM CONTRACTOR: **CTA Construction Managers, LLC**  
400 Totten Pond Road 2nd Floor  
Waltham, MA 02451

VIA ARCHITECT: Name: HKT Architects Inc.  
Address: 24 Roland Street, Suite 301  
Charlestown, MA 02129

CONTRACT DATE: 03/15/21

CONTRACT FOR: Ashland Public Safety Building

**CONTRACTOR'S APPLICATION FOR PAYMENT**

Application is made for payment, as shown below, in connection with the Contract.  
Continuation sheet, AIA document G703, is attached.

- 1. ORIGINAL CONTRACT SUM \$ \$22,145,000.00
- 2. Net change by Change Orders \$ \$508,810.48
- 3. CONTRACT SUM TO DATE (Line 1 + or - 2) \$ \$22,653,810.48
- 4. TOTAL COMPLETED & STORED TO DATE \$ \$ 10,955,390.32  
(Column G on G703)
- 5. RETAINAGE:
  - a. 5% % of Completed Work \$ \$547,769.52  
(Columns D + E + F on G703)
  - b. \_\_\_\_\_ % of Stored Material \$ \_\_\_\_\_  
(Column on G703)

Total Retainage (Line 5a + 5b or  
Total in Column I of G703) \$ \$547,769.52
- 6. TOTAL EARNED LESS RETAINAGE \$ \$ 10,407,620.80  
(Line 4 less Line 5 Total)
- 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT \$ \$8,522,287.97  
(Line 6 from prior Certificate) (amount paid to date)
- 8. CURRENT PAYMENT DUE \$ \$ 1,885,332.82
- 9. BALANCE TO FINISH, INCLUDING RETAINAGE \$ \$12,246,190  
(Line 3 less Line 6)

CHANGE ORDER SUMMARY	CO's	CCD's
Total changes approved in previous months by Owner	\$352,547.74	
Total approved this Month	\$156,262.74	
<b>TOTALS</b>	<b>\$508,810.48</b>	<b>\$0.00</b>
NET CHANGES by Change Order & CCD's	\$508,810.48	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner and that current payment shown herein is now due.

CONTRACTOR: CTA Construction Managers, LLC

By:  Date: 1/6/21

State of: MASSACHUSETTS  
County of: MIDDLESEX  
Subscribed and sworn to before me this 6th day of January, 2022



Notary Public:   
My Commission expires: 04/20/2023

**ARCHITECT'S CERTIFICATE FOR PAYMENT**

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 1,885,332.82

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT HKT Architects Inc.

By: Paula J. Claridge Digitally signed by Paula J. Claridge Date: 1.10.22

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.



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Appendix A-02

# THREE WEEK LOOK AHEAD







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**Appendix A-03**

**NOTABLE CORRESPONDENCE**

December 22, 2021

Ms. Paula Claridge  
24 Roland Street  
Suite 301  
Charlestown, MA 02129

Project: Ashland Public Safety Building  
Re: Schedule Update – Request for Additional Time

Dear Ms. Claridge,

Please find the enclosed schedule update through December 13th, 2021. Since the beginning of the project there have been several events that have resulted in impacts to project schedule. Thus far we have re-sequenced activities and made other schedule adjustments to mitigate the impacts of prior events. In particular, the challenges with underlying site conditions and groundwater surges which made it more difficult than anticipated to perform site preparation, foundation work and site activities. We believe that CTA and the associated subcontractors have gone above and beyond in working through these challenges in the best interest of the project.

As you are aware, the contractual duration of (14) months is particularly aggressive considering the extensive work required to prepare the site for building construction. Since the completion of the building structure, the schedule has been impacted by additional work, necessary design modifications related to critical path schedule activities and impacts resulting from delivery delays which were the result of the current supply chain issues that our country and region are encountering because of the COVID 19 pandemic. The cumulative result of these impacts has resulted in a (31) calendar (22) workday) delay to the completion date to June 15' 2022. The specific items which have had impacts are outlined below.

- Latent site conditions including unexpected ground water conditions. Previous schedules were adjusted and compressed to mitigate these impacts.
- Additional unsuitable soils within excavations. Previous schedules were adjusted and compressed to mitigate these impacts.
- Material procurement delays and specifically backordered LGMF roof materials which impacted the completion of LGMF roof truss and framing work and subsequent roofing activities.
- Material procurement delays and specifically backordered 16 GA LGMF materials for the exterior walls which impacted the completion of exterior stud walls.
- Added Roof Blocking work associated with RFI 189 and PCO 034 for Gable end blocking to meet manufacturers requirements. This change and the added work impacted the successor roofing installation which is on the critical path of the schedule.
- Added gutter blocking associated with the PCO 027 / CCD 001 per RFI 189 which was required to meet manufacturers requirements. This change and the added work impacted the successor roofing installation which is on the critical path of the schedule.

- PCO 023 – Added Station Alarm SA outlets on 2<sup>nd</sup> and 3<sup>rd</sup> Floors which adds work the critical path electrical activities
- Delays to the procurement of the Insulative Coating materials which have prevented the completion of critical exterior wall framing activities. These delays have been ongoing since late October of 2021.
- Additional exterior wall construction work associated with the Roof/Wall transition which is part of PCO 040. This added work included the procurement of a thermal break Aerolon tape which has taken longer than initially anticipated to procure.
- Green Roof changes resulting from the preconstruction discussions with the installing contractor required the addition of concrete roof crickets to meet the manufacturers requirements. This added work was priced in PCO 038 per the direction provided in RFI 196. The initial direction in the RFI resulted in a very expensive solution. CTA and HKT worked together to find a lower cost solution which was approved by all. Since pricing this change and subsequent discussions with the green roof subcontractor, we have learned of potential impacts associated with the need to delay the green roof installation because of the necessary concrete curing times. We are currently working this sequence.
- Lost Days for site closure on marathon days. The site was not permitted to be open on 10/11/21 and will again be closed for work on 4/19/22 because of the Boston Marathon. We understand the need to close the site, but the contract documents did not note these as non-working days and they are not standard holidays for all contractors.

We appreciate the efforts of HKT Architects and Vertex in the resolution of the various issues and events that have been encountered. There has been a continued effort by all to collaboratively resolve issues in a timely and cost-effective manner in the interest of the project and the Town of Ashland, but some of these issues are not without schedule impacts. By way of this letter, we are requesting an extension of time to 6/15/22 and request your approval of this request via change order. If you have any questions or work like to review the specific items in more detail, please let us know.

Respectfully,

CTA Construction Managers



Paul DuRoss  
Principal

CC: Jon Lemieux & William Nangle, Vertex  
CTA Team

ID	Name	Remain... Duration	Start	Finish	2021												2022											
					Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4									
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
ASHPS1-2 - Ashland Public Safety Building					ASHPS1-2 - Ashland Public Saf																							
1.1 - Project Startup					1.1 - Project Startup																							
A1100	Contract Award	0d	11-Mar-21 A	11-Mar-21 A	I Contract Award																							
A1110	Notice to Proceed	0d	15-Mar-21 A	15-Mar-21 A	I Notice to Proceed																							
A1120	Permits	0d	15-Mar-21 A	15-Mar-21 A	I Permits																							
A1130	Mobilization	0d	16-Mar-21 A	16-Mar-21 A	I Mobilization																							
1.2 - MEP Coordination					1.2 - MEP Coordination																							
A17570	MEP Coordination	0d	21-Apr-21 A	03-Sep-21 A	MEP Coordination																							
1.3 - Milestones					1.3 - Milestones																							
1.5 - Procurement					1.5 - Procurement																							
A27200	Building Exterior Color Selection	0d	27-Aug-21 A	10-Sep-21 A	Building Exterior Color Selection																							
1 - Spec Section 033000 - Concrete					1 - Spec Section 033000 - Concrete																							
A1010	Contract award	0d	26-Apr-21 A	26-Apr-21 A	I Contract award																							
A1020	Provide submittal	0d	05-May-21 A	05-May-21 A	I Provide submittal																							
A1030	Reveiw and approve	0d	14-May-21 A	25-Aug-21 A	Reveiw and approve																							
A1040	Fabricate and deliver	0d	10-Jun-21 A	10-Jun-21 A	I Fabricate and deliver																							
2 - Spec Section 040000 - Masonry					2 - Spec Section 040000 - Masonry																							
A17700	Approve Product Data & Shop Drawings	0d	17-Jun-21 A	01-Oct-21 A	Approve Product Data & Shop Drawings																							
A17720	Submit Product Data & Shop Drawings	0d	17-Jun-21 A	10-Aug-21 A	Submit Product Data & Shop Drawings																							
A17710	Submit Colors	0d	21-Jun-21 A	21-Jun-21 A	I Submit Colors																							
A17680	Fabricate & Deliver Materials	25d	13-Sep-21 A	14-Jan-22	Fabricate & Deliver Materials																							
A17690	Approve Colors	0d	13-Sep-21 A	13-Sep-21 A	I Approve Colors																							
3 - Spec Section 050000 - Metals					3 - Spec Section 050000 - Metals																							
2 - 051200 - Structural Steel					2 - 051200 - Structural Steel																							
A7850	Submit Shop Drawings & Product Data	0d	27-Mar-21 A	04-Aug-21 A	Submit Shop Drawings & Product Data																							
A7830	Contract Award	0d	29-Mar-21 A	29-Mar-21 A	I Contract Award																							
A7870	Approve Shop Drawings & Product Data	0d	29-Mar-21 A	18-Aug-21 A	Approve Shop Drawings & Product Data																							
A7900	Fabricate & Deliver Materials	0d	01-Jul-21 A	12-Aug-21 A	Fabricate & Deliver Materials																							
1 - 055000 - Metal Fabrications and Misc Metals					1 - 055000 - Metal Fabrications and Misc Metals																							
A7950	Approve Shop Drawings & Product Data	0d	22-Apr-21 A	24-Sep-21 A	Approve Shop Drawings & Product Data																							
A7930	Submit Shop Drawings & Product Data	0d	30-Aug-21 A	03-Sep-21 A	Submit Shop Drawings & Product Data																							
A7980	Fabricate & Deliver Materials	0d	27-Sep-21 A	05-Nov-21 A	Fabricate & Deliver Materials																							
4 - Spec Section 060000 - Wood, Plastics, and Composites					4 - Spec Section 060000 - Wood, Plastics, and Composites																							
1 - 061000 - Rough Carpentry					1 - 061000 - Rough Carpentry																							
A7990	Contract Award	0d	10-May-21 A	17-May-21 A	I Contract Award																							
A8010	Submit Shop Drawings & Product Data	0d	08-Jun-21 A	08-Jun-21 A	I Submit Shop Drawings & Product Data																							
A8040	Approve Shop Drawings & Product Data	0d	09-Jun-21 A	18-Jun-21 A	Approve Shop Drawings & Product Data																							
A8060	Fabricate & Deliver Materials	0d	27-Aug-21 A	16-Sep-21 A	Fabricate & Deliver Materials																							
2 - 064020 - Interior Architectural Woodwork					2 - 064020 - Interior Architectural Woodwork																							

■ Current      ■ Progress      ■ Critical  
◆ Milestones      ▬ Summary









ID	Name	Remain... Duration	Start	Finish	2021												2022											
					Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
A10950	Contract Award	0d	06-May-21 A	06-May-21 A	I Contract Award																							
A10960	Submit Product Data & Shop Drawings	0d	10-Jun-21 A	10-Jun-21 A	I Submit Product Data & Shop Drawings																							
A10990	Approve Product Data & Shop Drawings	0d	21-Jun-21 A	19-Jul-21 A	I Approve Product Data & Shop Drawings																							
A10980	Submit Colors & Samples	0d	22-Jun-21 A	22-Jun-21 A	I Submit Colors & Samples																							
A11010	Approve Colors & Samples	0d	03-Sep-21 A	28-Oct-21 A	I Approve Colors & Samples																							
A11020	Fabricate & Deliver Materials	30d	13-Dec-21	21-Jan-22	I Fabricate & Deliver Materials																							
<b>1 - 096800 - Carpeting</b>		<b>30d</b>	<b>29-Jun-21 A</b>	<b>21-Jan-22</b>	<b>1 - 096800 - Carpeting</b>																							
A11030	Contract Award	0d	29-Jun-21 A	29-Jun-21 A	I Contract Award																							
A11060	Submit Colors & Samples	0d	12-Jul-21 A	12-Jul-21 A	I Submit Colors & Samples																							
A11040	Submit Product Data & Shop Drawings	0d	12-Jul-21 A	22-Jul-21 A	I Submit Product Data & Shop Drawings																							
A11070	Approve Product Data & Shop Drawings	0d	03-Aug-21 A	03-Aug-21 A	I Approve Product Data & Shop Drawings																							
A11090	Approve Colors & Samples	0d	29-Oct-21 A	03-Dec-21 A	I Approve Colors & Samples																							
A11100	Fabricate & Deliver Materials	30d	13-Dec-21	21-Jan-22	I Fabricate & Deliver Materials																							
<b>8 - Spec Section 100000 - Specialties</b>		<b>72d</b>	<b>21-Apr-21 A</b>	<b>22-Mar-22</b>	<b>8 - Spec Section 100000 - Specialties</b>																							
<b>1 - 101100 - VDBs</b>		<b>20d</b>	<b>25-Jun-21 A</b>	<b>07-Jan-22</b>	<b>1 - 101100 - VDBs</b>																							
A11110	Contract Award	0d	25-Jun-21 A	25-Jun-21 A	I Contract Award																							
A11120	Submit Product Data & Shop Drawings	0d	30-Jul-21 A	18-Aug-21 A	I Submit Product Data & Shop Drawings																							
A11150	Approve Product Data & Shop Drawings	0d	17-Aug-21 A	19-Aug-21 A	I Approve Product Data & Shop Drawings																							
A11140	Submit Colors & Samples	0d	03-Sep-21 A	30-Sep-21 A	I Submit Colors & Samples																							
A11170	Approve Colors & Samples	0d	01-Oct-21 A	28-Oct-21 A	I Approve Colors & Samples																							
A11180	Fabricate & Deliver Materials	20d	01-Nov-21 A	07-Jan-22	I Fabricate & Deliver Materials																							
<b>2 - 101400 - Signage</b>		<b>72d</b>	<b>24-May-21 A</b>	<b>22-Mar-22</b>	<b>2 - 101400 - Signage</b>																							
A11190	Contract Award	0d	24-May-21 A	24-May-21 A	I Contract Award																							
A11200	Submit Product Data & Shop Drawings	20d	13-Dec-21	07-Jan-22	I Submit Product Data & Shop Drawings																							
A11220	Submit Colors & Samples	1d	10-Jan-22	10-Jan-22	I Submit Colors & Samples																							
A11230	Approve Product Data & Shop Drawings	21d	10-Jan-22	07-Feb-22	I Approve Product Data & Shop Drawings																							
A11250	Approve Colors & Samples	21d	11-Jan-22	08-Feb-22	I Approve Colors & Samples																							
A11260	Fabricate & Deliver Materials	30d	09-Feb-22	22-Mar-22	I Fabricate & Deliver Materials																							
<b>3 - 102110 - Toilet Compartments</b>		<b>30d</b>	<b>24-May-21 A</b>	<b>21-Jan-22</b>	<b>3 - 102110 - Toilet Compartments</b>																							
A11270	Contract Award	0d	24-May-21 A	24-May-21 A	I Contract Award																							
A11280	Submit Product Data & Shop Drawings	0d	14-Jul-21 A	14-Jul-21 A	I Submit Product Data & Shop Drawings																							
A11310	Approve Product Data & Shop Drawings	0d	02-Aug-21 A	02-Aug-21 A	I Approve Product Data & Shop Drawings																							
A11300	Submit Colors & Samples	0d	29-Oct-21 A	29-Oct-21 A	I Submit Colors & Samples																							
A11330	Approve Colors & Samples	0d	01-Nov-21 A	01-Nov-21 A	I Approve Colors & Samples																							
A11340	Fabricate & Deliver Materials	30d	13-Dec-21	21-Jan-22	I Fabricate & Deliver Materials																							
<b>4 - 102210 - Wire Mesh Protection</b>		<b>30d</b>	<b>29-Jul-21 A</b>	<b>21-Jan-22</b>	<b>4 - 102210 - Wire Mesh Protection</b>																							
A11350	Contract Award	0d	29-Jul-21 A	29-Jul-21 A	I Contract Award																							
A11360	Submit Product Data & Shop Drawings	0d	23-Aug-21 A	27-Aug-21 A	I Submit Product Data & Shop Drawings																							
A11390	Approve Product Data & Shop Drawings	0d	27-Aug-21 A	01-Sep-21 A	I Approve Product Data & Shop Drawings																							

■ Current      ■ Progress      ■ Critical  
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\*This schedule is a representation of how the project should proceed. This schedule is for organizational and coordination purposes only and does not relieve any subcontractor from contractual obligations



ID	Name	Remain... Duration	Start	Finish	2021												2022											
					Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
<b>1 - 113100 - Appliances</b>																												
A11950	Approve Product Data & Shop Drawings	0d	02-Aug-21 A	06-Aug-21 A																								
A11980	Fabricate & Deliver Materials	0d	13-Aug-21 A	18-Nov-21 A																								
A11910	Contract Award	0d	19-Aug-21 A	19-Aug-21 A																								
A11920	Submit Product Data & Shop Drawings	0d	27-Aug-21 A	18-Nov-21 A																								
<b>3 - 116723 - Shooting Range Equipment</b>																												
A12070	Contract Award	0d	06-May-21 A	06-May-21 A																								
A12080	Submit Product Data & Shop Drawings	0d	29-Jun-21 A	30-Jul-21 A																								
A12100	Submit Colors & Samples	0d	01-Jul-21 A	01-Jul-21 A																								
A12130	Approve Colors & Samples	0d	19-Jul-21 A	28-Jul-21 A																								
A12110	Approve Product Data & Shop Drawings	0d	30-Jul-21 A	09-Aug-21 A																								
A12140	Fabricate & Deliver Materials	45d	27-Aug-21 A	11-Feb-22																								
<b>4 - 119200 - Dog Amenities</b>																												
A12150	Contract Award	0d	04-May-21 A	04-May-21 A																								
14060	Submit Product Data & Shop Drawings	0d	12-May-21 A	12-May-21 A																								
A12190	Approve Product Data & Shop Drawings	0d	17-May-21 A	17-May-21 A																								
A12220	Fabricate & Deliver Materials	0d	14-Jun-21 A	23-Jul-21 A																								
<b>10 - Spec Section 120000 - Furnishings</b>																												
<b>1 - 122400 - Shades</b>																												
A12230	Contract Award	0d	31-May-21 A	31-May-21 A																								
A12240	Submit Product Data & Shop Drawings	0d	07-Jun-21 A	07-Jun-21 A																								
A12270	Approve Product Data & Shop Drawings	0d	18-Jun-21 A	18-Jun-21 A																								
A12260	Submit Colors & Samples	0d	24-Jun-21 A	24-Jun-21 A																								
A12290	Approve Colors & Samples	0d	01-Oct-21 A	28-Oct-21 A																								
A12300	Fabricate & Deliver Materials	30d	13-Dec-21	21-Jan-22																								
<b>2 - 123550 - Laboratory Casework</b>																												
A12310	Contract Award	15d	13-Dec-21	31-Dec-21																								
A12320	Submit Product Data & Shop Drawings	1d	17-Jan-22	17-Jan-22																								
A12340	Submit Colors & Samples	1d	18-Jan-22	18-Jan-22																								
A12350	Approve Product Data & Shop Drawings	21d	18-Jan-22	15-Feb-22																								
A12370	Approve Colors & Samples	21d	19-Jan-22	16-Feb-22																								
A12380	Fabricate & Deliver Materials	30d	17-Feb-22	30-Mar-22																								
<b>3 - 124810 - Entrance Floor Mats and Frames</b>																												
A12390	Contract Award	0d	29-Jun-21 A	29-Jun-21 A																								
A12400	Submit Product Data & Shop Drawings	0d	12-Jul-21 A	24-Aug-21 A																								
A12420	Submit Colors & Samples	0d	12-Jul-21 A	19-Aug-21 A																								
A12450	Approve Colors & Samples	0d	24-Aug-21 A	24-Aug-21 A																								
A12430	Approve Product Data & Shop Drawings	0d	05-Nov-21 A	03-Dec-21 A																								
A12460	Fabricate & Deliver Materials	30d	06-Dec-21 A	21-Jan-22																								

■ Current  
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■ Critical  
◆ Milestones  
▬ Summary

ID	Name	Remain... Duration	Start	Finish	2021												2022											
					Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
<b>4 - 125500 - Detention Furniture</b>					4 - 125500 - Detention Furniture																							
A12470	Contract Award	0d	13-May-21 A	13-May-21 A	Contract Award																							
A12480	Submit Product Data & Shop Drawings	0d	09-Aug-21 A	09-Aug-21 A	Submit Product Data & Shop Drawings																							
A12510	Approve Product Data & Shop Drawings	0d	12-Aug-21 A	12-Aug-21 A	Approve Product Data & Shop Drawings																							
A12540	Fabricate & Deliver Materials	30d	20-Dec-21 A	28-Jan-22	Fabricate & Deliver Materials																							
<b>11 - Spec Section 140000 - Conveying Equipment</b>					11 - Spec Section 140000 - Conveying Equipment																							
<b>2 - 142100 - Electric Traction Elevators</b>					2 - 142100 - Electric Traction Elevators																							
A12640	Submit Product Data & Shop Drawings	0d	26-Feb-21 A	26-Feb-21 A	Submit Product Data & Shop Drawings																							
A12670	Approve Product Data & Shop Drawings	0d	23-Mar-21 A	29-Mar-21 A	Approve Product Data & Shop Drawings																							
A12660	Submit Colors & Samples	0d	06-Aug-21 A	10-Sep-21 A	Submit Colors & Samples																							
A12690	Approve Colors & Samples	0d	13-Sep-21 A	28-Oct-21 A	Approve Colors & Samples																							
A12700	Fabricate & Deliver Materials	30d	13-Dec-21	21-Jan-22	Fabricate & Deliver Materials																							
<b>3 - 144200 - Wheelchair Lifts</b>					3 - 144200 - Wheelchair Lifts																							
A12720	Submit Product Data & Shop Drawings	0d	26-Feb-21 A	26-Feb-21 A	Submit Product Data & Shop Drawings																							
A12750	Approve Product Data & Shop Drawings	0d	23-Mar-21 A	23-Mar-21 A	Approve Product Data & Shop Drawings																							
A12740	Submit Colors & Samples	0d	06-Aug-21 A	10-Sep-21 A	Submit Colors & Samples																							
A12770	Approve Colors & Samples	0d	13-Sep-21 A	22-Oct-21 A	Approve Colors & Samples																							
A12780	Fabricate & Deliver Materials	30d	13-Dec-21	21-Jan-22	Fabricate & Deliver Materials																							
<b>4 - 149313 - Firehouse Slide Poles</b>					4 - 149313 - Firehouse Slide Poles																							
A12790	Contract Award	0d	03-May-21 A	03-May-21 A	Contract Award																							
A12800	Submit Product Data & Shop Drawings	0d	12-May-21 A	18-May-21 A	Submit Product Data & Shop Drawings																							
A12830	Approve Product Data & Shop Drawings	0d	17-May-21 A	21-May-21 A	Approve Product Data & Shop Drawings																							
A12860	Fabricate & Deliver Materials	0d	29-Oct-21 A	09-Dec-21 A	Fabricate & Deliver Materials																							
<b>12 - Spec Section 210000 - Fire Supression</b>					12 - Spec Section 210000 - Fire Supression																							
A12900	Approve Product Data & Shop Drawings	0d	25-Feb-21 A	07-Jul-21 A	Approve Product Data & Shop Drawings																							
A12880	Submit Product Data & Shop Drawings	0d	21-Jun-21 A	07-Jul-21 A	Submit Product Data & Shop Drawings																							
A12940	Fabricate & Deliver Main Valve Assembly	0d	29-Oct-21 A	11-Nov-21 A	Fabricate & Deliver Main Valve Assembly																							
A12930	Fabricate & Deliver OH Materials	0d	29-Oct-21 A	12-Nov-21 A	Fabricate & Deliver OH Materials																							
A12920	Fabricate & Deliver Underground Materials	10d	13-Dec-21	24-Dec-21	Fabricate & Deliver Underground Materials																							
<b>13 - Spec Section 220000 - Plumbing</b>					13 - Spec Section 220000 - Plumbing																							
A12960	Submit Product Data & Shop Drawings	0d	29-Apr-21 A	14-Jun-21 A	Submit Product Data & Shop Drawings																							
A12990	Approve Product Data & Shop Drawings	0d	21-May-21 A	31-Aug-21 A	Approve Product Data & Shop Drawings																							
A13020	Fabricate & Deliver Underground Materials	0d	01-Oct-21 A	01-Oct-21 A	Fabricate & Deliver Underground Materials																							
A13030	Fabricate & Deliver OH Rough Materials	0d	29-Oct-21 A	11-Nov-21 A	Fabricate & Deliver OH Rough Materials																							
A13050	Fabricate & Deliver Mechanical Room	0d	29-Oct-21 A	11-Nov-21 A	Fabricate & Deliver Mechanical Room																							
A13040	Fabricate & Deliver Finishes	0d	29-Oct-21 A	09-Dec-21 A	Fabricate & Deliver Finishes																							
<b>14 - Spec Section 230000 - HVAC</b>					14 - Spec Section 230000 - HVAC																							
A13070	Submit Product Data & Shop Drawings	0d	21-Apr-21 A	13-Aug-21 A	Submit Product Data & Shop Drawings																							
A13080	Approve Product Data & Shop Drawings	0d	04-May-21 A	27-Aug-21 A	Approve Product Data & Shop Drawings																							

■ Current  
■ Progress  
■ Critical  
◆ Milestones  
▬ Summary



ID	Name	Remain... Duration	Start	Finish	2021												2022											
					Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
A13710	Approve Colors	0d	28-Jun-21 A	28-Jun-21 A	I Approve Colors																							
A13690	Approve Product Data & Shop Drawings	0d	21-Oct-21 A	05-Nov-21 A	I Approve Product Data & Shop Drawings																							
A13720	Fabricate & Deliver Materials	20d	13-Dec-21	07-Jan-22	I Fabricate & Deliver Materials																							
7 - 329000 - Lawns and Planting		49d	13-Dec-21	17-Feb-22	I 7 - 329000 - Lawns and Planting																							
A13810	Contract Award	15d	13-Dec-21	31-Dec-21	I Contract Award																							
A13820	Submit Product Data & Shop Drawings	1d	17-Jan-22	17-Jan-22	I Submit Product Data & Shop Drawings																							
A13850	Approve Product Data & Shop Drawings	21d	18-Jan-22	15-Feb-22	I Approve Product Data & Shop Drawings																							
A13840	Submit Colors	1d	18-Jan-22	18-Jan-22	I Submit Colors																							
A13870	Approve Colors	21d	19-Jan-22	16-Feb-22	I Approve Colors																							
A13880	Fabricate & Deliver Materials	1d	17-Feb-22	17-Feb-22	I Fabricate & Deliver Materials																							
8 - 329500 - Vegetated Roof Assemblies		0d	17-Aug-21 A	09-Dec-21 A	I 8 - 329500 - Vegetated Roof Assemblies																							
A13900	Submit Product Data & Shop Drawings	0d	17-Aug-21 A	17-Aug-21 A	I Submit Product Data & Shop Drawings																							
A13930	Approve Product Data & Shop Drawings	0d	17-Aug-21 A	30-Aug-21 A	I Approve Product Data & Shop Drawings																							
A13960	Fabricate & Deliver Materials	0d	29-Oct-21 A	09-Dec-21 A	I Fabricate & Deliver Materials																							
19 - Spec Section 330000 - Utilities		0d	01-Mar-21 A	11-Nov-21 A	I 19 - Spec Section 330000 - Utilities																							
1 - 331100 - Water, Sanitary, Drainage		0d	01-Mar-21 A	11-Nov-21 A	I 1 - 331100 - Water, Sanitary, Drainage																							
A13970	Contract Award	0d	01-Mar-21 A	01-Mar-21 A	I Contract Award																							
A13980	Submit Product Data & Shop Drawings	0d	14-Apr-21 A	18-Jun-21 A	I Submit Product Data & Shop Drawings																							
A14010	Approve Product Data & Shop Drawings	0d	05-May-21 A	18-Jun-21 A	I Approve Product Data & Shop Drawings																							
A14040	Fabricate & Deliver Materials	0d	29-Oct-21 A	11-Nov-21 A	I Fabricate & Deliver Materials																							
2 - 332313 - Geothermal Well Field		0d	12-Apr-21 A	24-Sep-21 A	I 2 - 332313 - Geothermal Well Field																							
A14050	Contract Award	0d	12-Apr-21 A	12-Apr-21 A	I Contract Award																							
A14060	Submit Product Data & Shop Drawings	0d	30-Jul-21 A	27-Aug-21 A	I Submit Product Data & Shop Drawings																							
A14090	Approve Product Data & Shop Drawings	0d	18-Aug-21 A	10-Sep-21 A	I Approve Product Data & Shop Drawings																							
A14120	Fabricate & Deliver Materials	0d	10-Sep-21 A	24-Sep-21 A	I Fabricate & Deliver Materials																							
20 - Spec Section 340000 - Transportation Signaling & Control		80d	08-Apr-21 A	01-Apr-22	I 20 - Spec Section 340000 - Transportation Sign																							
A14130	Contract Award	0d	08-Apr-21 A	08-Apr-21 A	I Contract Award																							
A14140	Submit Product Data & Shop Drawings	0d	07-Jun-21 A	24-Sep-21 A	I Submit Product Data & Shop Drawings																							
A14170	Approve Product Data & Shop Drawings	0d	08-Jun-21 A	08-Oct-21 A	I Approve Product Data & Shop Drawings																							
A27240	**PR 005 - Traffic System Change Reqeusts	0d	30-Jun-21 A	14-Oct-21 A	I **PR 005 - Traffic System Change Reqeusts																							
A14200	Fabricate & Deliver Materials	80d	13-Dec-21	01-Apr-22	I Fabricate & Deliver Materials																							
1.4 - Preconstruction Meetings		66d	06-Apr-21 A	14-Mar-22	I 1.4 - Preconstruction Meetings																							
1.6 - Mock Up Assembly		36d	18-Jun-21 A	31-Jan-22	I 1.6 - Mock Up Assembly																							
A1450	Mock Up Prep & Grade for Mock Up Slab	0d	18-Jun-21 A	18-Jun-21 A	I Mock Up Prep & Grade for Mock Up Slab																							
A1460	Mock Up Form & Pour Mock Up Slab	0d	25-Jun-21 A	25-Jun-21 A	I Mock Up Form & Pour Mock Up Slab																							
A1480	Mock Up Framing & Blocking	0d	25-Aug-21 A	03-Sep-21 A	I Mock Up Framing & Blocking																							
A1490	Mock Up Liquid-Applied Insulative Coating	0d	13-Sep-21 A	15-Sep-21 A	I Mock Up Liquid-Applied Insulative Coating																							
A1500	Mock Up Sheathing	0d	23-Sep-21 A	29-Sep-21 A	I Mock Up Sheathing																							
A1510	Mock Up AVB	0d	07-Oct-21 A	13-Oct-21 A	I Mock Up AVB																							

■ Current      ■ Progress      ■ Critical  
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ID	Name	Remain... Duration	Start	Finish	2021												2022											
					Q1		Q2			Q3			Q4			Q1			Q2			Q3			Q4			
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
A1520	Mock Up Masonry	3d	13-Dec-21	15-Dec-21																								
A1530	Mock Up Standing Seam Roof and Eyebrow	3d	23-Dec-21	27-Dec-21																								
A14230	Mock Up Fiber Cement and Resinous Panels	5d	04-Jan-22	10-Jan-22																								
A14240	Mock Up Breakmetal & Metal Wall Panels	5d	11-Jan-22	17-Jan-22																								
A14250	Mock Up Sealants	2d	25-Jan-22	26-Jan-22																								
A14260	Mock Up Final Approval	3d	27-Jan-22	31-Jan-22																								
<b>7 - Construction Activities</b>		<b>116d</b>	<b>11-Mar-21 A</b>	<b>23-May-22</b>	<ul style="list-style-type: none"> <li>Mock Up Masonry</li> <li>Mock Up Standing Seam Roof and Eyebrow</li> <li>Mock Up Fiber Cement and Resinous Panels</li> <li>Mock Up Breakmetal &amp; Metal Wall Panels</li> <li>Mock Up Sealants</li> <li>Mock Up Final Approval</li> </ul>																							
<b>1 - Temp Facilities</b>		<b>0d</b>	<b>29-Mar-21 A</b>	<b>30-Aug-21 A</b>	<ul style="list-style-type: none"> <li>Temp Fence &amp; Construction Entrance</li> <li>Deliver/Set Up Construction Trailers</li> <li>Temp Utilities to Trailers</li> </ul>																							
A1350	Temp Fence & Construction Entrance	0d	29-Mar-21 A	30-Mar-21 A																								
A1360	Deliver/Set Up Construction Trailers	0d	29-Apr-21 A	29-Apr-21 A																								
A1370	Temp Utilities to Trailers	0d	01-Jun-21 A	30-Aug-21 A																								
<b>2 - Site Preparation</b>		<b>0d</b>	<b>11-Mar-21 A</b>	<b>27-Aug-21 A</b>	<ul style="list-style-type: none"> <li>SWPPP Preconstruction Meeting</li> <li>Survey Limits of Work</li> <li>Clearing, Grading, Stone Processing Zone &amp; Stockpile Area Prep</li> <li>Cons Com Signoff</li> <li>Cuts &amp; Fills</li> <li>Blasting</li> <li>Utility Pole Relocation</li> </ul>																							
A1390	SWPPP Preconstruction Meeting	0d	11-Mar-21 A	11-Mar-21 A																								
A1380	Survey Limits of Work	0d	11-Mar-21 A	17-Mar-21 A																								
A1410	Clearing, Grading, Stone Processing Zone & Stockpile A...	0d	15-Mar-21 A	19-Mar-21 A																								
A1440	Cons Com Signoff	0d	29-Mar-21 A	29-Mar-21 A																								
A2270	Cuts & Fills	0d	08-Apr-21 A	28-Jun-21 A																								
A2260	Blasting	0d	29-Apr-21 A	27-May-21 A																								
A1980	Utility Pole Relocation	0d	06-Aug-21 A	27-Aug-21 A																								
<b>3 - Site Work</b>		<b>115d</b>	<b>27-Aug-21 A</b>	<b>20-May-22</b>	<ul style="list-style-type: none"> <li>3 - Site Work</li> <li>1 - Underground Utilities</li> <li>WBS351 - Northeast</li> <li>UGDS-1 and Drainage Structures</li> <li>Northeast Street Connections - PR 03</li> <li>FP City Hydrant front of Bldg</li> <li>Gas Street Connection, Piping to Meter (Pending Gas Co.)</li> <li>Gas Piping to Firing Range</li> <li>Signal System Underground &amp; Foundations</li> <li>Mast Arms</li> <li>Traffic Lights</li> <li>WBS361 - South</li> <li>Secondary and Emergency Duct Banks</li> <li>Well Drilling</li> <li>South OCS's, DMH's</li> <li>Water Main From West</li> <li>UGDS-2</li> <li>Set Transformer Pad, Grounding, Inspection</li> <li>FP Main From East - PR-03</li> <li>Transformer</li> </ul>																							
<b>1 - Underground Utilities</b>		<b>95d</b>	<b>27-Aug-21 A</b>	<b>22-Apr-22</b>																								
<b>WBS351 - Northeast</b>		<b>81d</b>	<b>29-Sep-21 A</b>	<b>22-Apr-22</b>																								
A1690	UGDS-1 and Drainage Structures	0d	29-Sep-21 A	14-Oct-21 A																								
A1610	Northeast Street Connections - PR 03	4d	31-Dec-21	05-Jan-22																								
A1630	FP City Hydrant front of Bldg	3d	04-Feb-22	08-Feb-22																								
A1550	Gas Street Connection, Piping to Meter (Pending Gas Co.)	5d	07-Mar-22	11-Mar-22																								
A1570	Gas Piping to Firing Range	2d	14-Mar-22	15-Mar-22																								
A1770	Signal System Underground & Foundations	5d	04-Apr-22	08-Apr-22																								
A1880	Mast Arms	5d	11-Apr-22	15-Apr-22																								
A1890	Traffic Lights	5d	18-Apr-22	22-Apr-22																								
<b>WBS361 - South</b>		<b>73d</b>	<b>27-Aug-21 A</b>	<b>23-Mar-22</b>																								
A27070	Secondary and Emergency Duct Banks	0d	27-Aug-21 A	13-Sep-21 A																								
A1760	Well Drilling	0d	27-Sep-21 A	04-Nov-21 A																								
A1710	South OCS's, DMH's	10d	13-Dec-21 A	24-Dec-21																								
A27090	Water Main From West	7d	16-Dec-21	24-Dec-21																								
A1700	UGDS-2	9d	27-Dec-21	06-Jan-22																								
A17810	Set Transformer Pad, Grounding, Inspection	3d	05-Jan-22	07-Jan-22																								
A1620	FP Main From East - PR-03	5d	07-Jan-22	13-Jan-22																								
A1830	Transformer	15d	10-Jan-22	28-Jan-22																								

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ID	Name	Remain... Duration	Start	Finish	2021												2022											
					Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4									
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
	<b>1 - Structure</b>	11d	09-Jun-21 A	27-Dec-21																								
	<b>1 - Foundations</b>	0d	09-Jun-21 A	13-Sep-21 A																								
	<b>WBS1 - 3 Story Structure Area (J - R Lines)</b>	0d	09-Jun-21 A	13-Aug-21 A																								
	A24880 Excavate for Footings & Piers	0d	09-Jun-21 A	27-Jul-21 A																								
	A24890 Form & Pour Wall Footings	0d	10-Jun-21 A	30-Jul-21 A																								
	A24910 Form & Pour Walls	0d	16-Jun-21 A	05-Aug-21 A																								
	A25000 Backfill Foundations	0d	13-Jul-21 A	11-Aug-21 A																								
	A24970 Damproofing	0d	20-Jul-21 A	13-Aug-21 A																								
	A25070 Form & Pour Elevator Pit & adj pier	0d	30-Jul-21 A	03-Aug-21 A																								
	<b>WBS11 - Apparatus Bay Area (A - J Lines)</b>	0d	24-Jun-21 A	13-Sep-21 A																								
	A25010 Excavate for Footings & Piers	0d	24-Jun-21 A	24-Aug-21 A																								
	A25020 Form & Pour Wall Footings	0d	28-Jun-21 A	20-Jul-21 A																								
	A25030 Form & Pour Walls	0d	12-Jul-21 A	25-Aug-21 A																								
	A25060 Backfill Foundations	0d	03-Aug-21 A	13-Sep-21 A																								
	A25050 Damproofing	0d	11-Aug-21 A	09-Sep-21 A																								
	<b>2 - Structural CMU</b>	0d	15-Nov-21 A	01-Dec-21 A																								
	A2230 Elevator CMU 1st Fl	0d	15-Nov-21 A	23-Nov-21 A																								
	A2240 Elevator CMU 2nd, 3rd Fl	0d	23-Nov-21 A	01-Dec-21 A																								
	<b>3 - Structural Steel &amp; Decking</b>	0d	12-Aug-21 A	01-Nov-21 A																								
	<b>1 - 3 Story Structure Area (J - R Lines)</b>	0d	12-Aug-21 A	01-Nov-21 A																								
	A25110 Steel Erection	0d	12-Aug-21 A	06-Sep-21 A																								
	A25100 Deck & Detailing	0d	18-Aug-21 A	07-Sep-21 A																								
	A27210 **Delivery of Backordered LGMF Members	0d	27-Aug-21 A	12-Oct-21 A																								
	A25120 CFMF Trusses	0d	27-Sep-21 A	22-Oct-21 A																								
	A25130 Gable Roof Decking and Detailing (Lost 3 weather days)	0d	25-Oct-21 A	01-Nov-21 A																								
	<b>2 - Apparatus Bay Area (A - J Lines)</b>	0d	30-Aug-21 A	23-Sep-21 A																								
	A25140 Steel Erection	0d	30-Aug-21 A	14-Sep-21 A																								
	A25150 Deck & Detailing	0d	06-Sep-21 A	23-Sep-21 A																								
	<b>4 - Slabs On Deck</b>	0d	08-Sep-21 A	23-Sep-21 A																								
	A23060 Offices & Admin - 2nd Fl SOD	0d	08-Sep-21 A	15-Sep-21 A																								
	A23070 Offices & Admin - 3rd Fl SOD	0d	15-Sep-21 A	23-Sep-21 A																								
	A23140 Lower Roofs SOD	0d	21-Sep-21 A	23-Sep-21 A																								
	A23050 App Bay Rooms - 2nd Fl SOD	0d	22-Sep-21 A	23-Sep-21 A																								
	<b>5 - Slabs on Grade</b>	11d	15-Sep-21 A	27-Dec-21																								
	<b>1 - SOG Offices and Administration</b>	0d	15-Sep-21 A	05-Nov-21 A																								
	A25180 Offices & Admin Underground MEP	0d	15-Sep-21 A	28-Sep-21 A																								
	A2620 Backfill & Prep Subgrade to underside of UD Stone	0d	24-Sep-21 A	14-Oct-21 A																								
	A2630 Filter Fabric, Slab UD, and Stone Per C-401	0d	13-Oct-21 A	27-Oct-21 A																								
	A2650 Vapor Barrier & Slab Prep	0d	28-Oct-21 A	02-Nov-21 A																								

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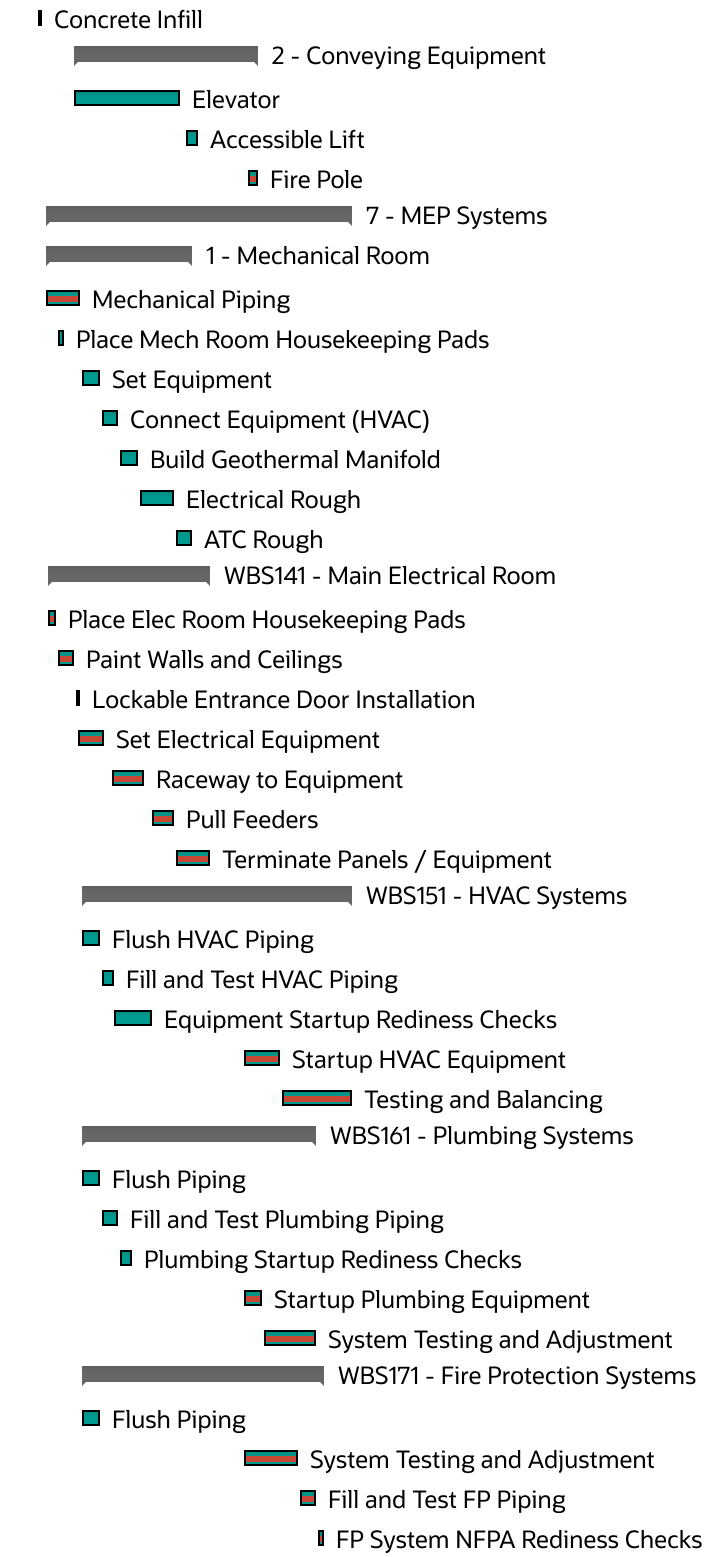








ID	Name	Remain... Duration	Start	Finish	2021												2022							
					Q1		Q2		Q3			Q4			Q1		Q2		Q3		Q4			
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
A26340	Concrete Infill	2d	17-Jan-22	18-Jan-22																				
<b>2 - Conveying Equipment</b>		<b>51d</b>	<b>31-Jan-22</b>	<b>11-Apr-22</b>																				
A5900	Elevator	30d	31-Jan-22	11-Mar-22																				
A5910	Accessible Lift	5d	14-Mar-22	18-Mar-22																				
A5920	Fire Pole	3d	07-Apr-22	11-Apr-22																				
<b>7 - MEP Systems</b>		<b>84d</b>	<b>20-Jan-22</b>	<b>17-May-22</b>																				
<b>1 - Mechanical Room</b>		<b>40d</b>	<b>20-Jan-22</b>	<b>16-Mar-22</b>																				
A26360	Mechanical Piping	10d	20-Jan-22	02-Feb-22																				
A26420	Place Mech Room Housekeeping Pads	3d	25-Jan-22	27-Jan-22																				
A26430	Set Equipment	5d	03-Feb-22	09-Feb-22																				
A26440	Connect Equipment (HVAC)	5d	10-Feb-22	16-Feb-22																				
A26450	Build Geothermal Manifold	5d	17-Feb-22	23-Feb-22																				
A26590	Electrical Rough	10d	24-Feb-22	09-Mar-22																				
A26600	ATC Rough	5d	10-Mar-22	16-Mar-22																				
<b>WBS141 - Main Electrical Room</b>		<b>44d</b>	<b>21-Jan-22</b>	<b>23-Mar-22</b>																				
A26370	Place Elec Room Housekeeping Pads	2d	21-Jan-22	24-Jan-22																				
A27180	Paint Walls and Ceilings	5d	25-Jan-22	31-Jan-22																				
A27190	Lockable Entrance Door Installation	1d	01-Feb-22	01-Feb-22																				
A26480	Set Electrical Equipment	8d	02-Feb-22	11-Feb-22																				
A26490	Raceway to Equipment	10d	14-Feb-22	25-Feb-22																				
A26510	Pull Feeders	8d	28-Feb-22	09-Mar-22																				
A26500	Terminate Panels / Equipment	10d	10-Mar-22	23-Mar-22																				
<b>WBS151 - HVAC Systems</b>		<b>74d</b>	<b>03-Feb-22</b>	<b>17-May-22</b>																				
A26610	Flush HVAC Piping	5d	03-Feb-22	09-Feb-22																				
A26620	Fill and Test HVAC Piping	3d	10-Feb-22	14-Feb-22																				
A26380	Equipment Startup Rediness Checks	10d	15-Feb-22	28-Feb-22																				
A26520	Startup HVAC Equipment	10d	06-Apr-22	19-Apr-22																				
A26540	Testing and Balancing	20d	20-Apr-22	17-May-22																				
<b>WBS161 - Plumbing Systems</b>		<b>64d</b>	<b>03-Feb-22</b>	<b>03-May-22</b>																				
A26930	Flush Piping	5d	03-Feb-22	09-Feb-22																				
A26890	Fill and Test Plumbing Piping	5d	10-Feb-22	16-Feb-22																				
A26900	Plumbing Startup Rediness Checks	3d	17-Feb-22	21-Feb-22																				
A26910	Startup Plumbing Equipment	5d	06-Apr-22	12-Apr-22																				
A26920	System Testing and Adjustment	15d	13-Apr-22	03-May-22																				
<b>WBS171 - Fire Protection Systems</b>		<b>67d</b>	<b>03-Feb-22</b>	<b>06-May-22</b>																				
A26940	Flush Piping	5d	03-Feb-22	09-Feb-22																				
A26980	System Testing and Adjustment	15d	06-Apr-22	26-Apr-22																				
A26950	Fill and Test FP Piping	5d	27-Apr-22	03-May-22																				
A26960	FP System NFPA Rediness Checks	3d	04-May-22	06-May-22																				



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ID	Name	Remain... Duration	Start	Finish	2021												2022							
					Q1		Q2			Q3			Q4			Q1		Q2			Q3			Q4
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>WBS181 - Electrical Systems</b>																	<ul style="list-style-type: none"> <li>█ WBS181 - Electrical Systems</li> <li>█ Equipment Startup Rediness Checks</li> <li>█ Electrical Inspection</li> <li>█ Energize Equipment</li> <li>█ System Testing</li> </ul>							
A26400	Equipment Startup Rediness Checks	5d	18-Mar-22	24-Mar-22																				
A26550	Electrical Inspection	3d	25-Mar-22	29-Mar-22																				
A26560	Energize Equipment	5d	30-Mar-22	05-Apr-22																				
A26570	System Testing	15d	06-Apr-22	26-Apr-22																				
<b>2.1 - Carport</b>																	<ul style="list-style-type: none"> <li>█ 2.1 - Carport</li> <li>█ Carport Foundations</li> <li>█ Carport Electrical &amp; Security Underground</li> <li>█ Carport Framing, Sheathing, &amp; AVB</li> <li>█ Carport Exterior Slab</li> <li>█ Carport Masonry</li> <li>█ Carport Roof &amp; Siding</li> </ul>							
A14280	Carport Foundations	5d	07-Jan-22	13-Jan-22																				
A7420	Carport Electrical & Security Underground	2d	14-Jan-22	17-Jan-22																				
A14300	Carport Framing, Sheathing, & AVB	5d	18-Jan-22	24-Jan-22																				
A26810	Carport Exterior Slab	5d	18-Jan-22	24-Jan-22																				
A14310	Carport Masonry	5d	25-Jan-22	31-Jan-22																				
A7500	Carport Roof & Siding	10d	01-Feb-22	14-Feb-22																				
<b>10 - Trash Enclosure</b>																	<ul style="list-style-type: none"> <li>█ 10 - Trash Enclosure</li> <li>█ Trash Enclosure Exterior Slab</li> <li>█ Trash Enclosure CMU &amp; Veneer</li> <li>█ Trash Enclosure Metal Gates</li> </ul>							
A7530	Trash Enclosure Exterior Slab	2d	04-Mar-22	07-Mar-22																				
A7540	Trash Enclosure CMU & Veneer	5d	08-Mar-22	14-Mar-22																				
A7550	Trash Enclosure Metal Gates	1d	15-Mar-22	15-Mar-22																				
<b>13 - Firing Range</b>																	<ul style="list-style-type: none"> <li>█ 13 - Firing Range</li> <li>█ Firing Range Foundations</li> <li>█ Firing Range Underground Utilities</li> <li>█ Prefabricated Firing Range</li> </ul>							
A7570	Firing Range Foundations	5d	14-Jan-22	20-Jan-22																				
A7560	Firing Range Underground Utilities	2d	21-Jan-22	24-Jan-22																				
A7580	Prefabricated Firing Range	5d	16-Mar-22	22-Mar-22																				
<b>11 - Closeout</b>																	<ul style="list-style-type: none"> <li>█ 11 - Closeout</li> <li>█ WBS281 - Work to Complete Lists</li> <li>█ 3rd Floor WTC Lists</li> <li>█ Exterior Building WTC Lists</li> <li>█ 2nd Floor WTC Lists</li> <li>█ Sallyport and Detention Area WTC Lists</li> <li>█ Apparatus Bay WTC Lists</li> <li>█ 1st Floor WTC Lists</li> <li>█ Site WTC Lists</li> <li>█ WBS291 - Designer Punchlist</li> <li>█ Exterior Building Designer Punch Lists</li> <li>█ 3rd Floor Designer Punch List</li> <li>█ Sallyport and Detention Area Designer Punch Lists</li> <li>█ 2nd Floor Designer Punch Lists</li> <li>█ Site Designer Punch List</li> <li>█ Apparatus Bay Designer Punch Lists</li> <li>█ 1st Floor Designer Punch List</li> <li>█ WBS301 - Final Cleaning</li> <li>█ Final Cleaning East of CL H</li> </ul>							
<b>WBS281 - Work to Complete Lists</b>																								
A26350	3rd Floor WTC Lists	20d	12-Apr-22	09-May-22																				
A26720	Exterior Building WTC Lists	5d	27-Apr-22	03-May-22																				
A26680	2nd Floor WTC Lists	20d	28-Apr-22	25-May-22																				
A26700	Sallyport and Detention Area WTC Lists	15d	03-May-22	23-May-22																				
A26710	Apparatus Bay WTC Lists	15d	09-May-22	27-May-22																				
A26690	1st Floor WTC Lists	10d	18-May-22	31-May-22																				
A26730	Site WTC Lists	3d	23-May-22	25-May-22																				
<b>WBS291 - Designer Punchlist</b>																								
A26830	Exterior Building Designer Punch Lists	5d	04-May-22	10-May-22																				
A26840	3rd Floor Designer Punch List	5d	10-May-22	16-May-22																				
A26630	Sallyport and Detention Area Designer Punch Lists	5d	24-May-22	30-May-22																				
A26820	2nd Floor Designer Punch Lists	5d	26-May-22	01-Jun-22																				
A26850	Site Designer Punch List	3d	26-May-22	30-May-22																				
A26870	Apparatus Bay Designer Punch List	5d	30-May-22	03-Jun-22																				
A26860	1st Floor Designer Punch List	5d	01-Jun-22	07-Jun-22																				
<b>WBS301 - Final Cleaning</b>																								
A26640	Final Cleaning East of CL H	3d	06-Jun-22	08-Jun-22																				

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