

ADDENDUM NO. 1

December 15, 2021

This Addendum contains changes to the requirements of the Contract Documents and Specifications. Such changes are to be incorporated into the Construction Documents and shall apply to the work with the same meaning and force as if they had been included in the original document. Wherever this Addendum modifies a portion of a paragraph of the specifications or a portion of any Drawing, the remainder of the Paragraph or Drawing shall remain in force.

NOTE: Provisions of all Contract Documents apply.

Item 1. INSTRUCTION TO BIDDERS, INS-3, item 4, second paragraph

DELETE in its entirety.

REPLACE with the following:

“In person, on site Pre-Bid walkthroughs will be conducted at 11:00AM, following the 9:00AM virtual (only) Pre-Bid meeting presentation. There will be a two-hour delay before the start of the walkthrough to allow contractors time to travel to the site at 161 Synchrotron Drive. The same Zoom link will be used at 11:00AM to provide a virtual walkthrough for those not able to attend in person.”

Item 2. Below is a list of subcontractors provided by the IUOE for labor requirements, as mentioned in the General Conditions – Article 2, Section 2.01 A., paragraph 2.

Gorick construction
Matt Williams
607-760-4158
matt@gorickconstruction.com

Economy paving
Steven Compagni
607-745-5011
scompags@economypaving.com

Wenzel contractors
Mark Squires
607-732-7781

J.H. Maloy
Jack Maloy
518-365-3708
jemaloy@jhmaly.com

Maxim construction
James Malvasi
315-952-5998
Info@maximconstructionservices.com

CHES New Experimental Hall
Addendum No. 1
December 15, 2021
Page 2

Item 3. Attached is a proposed Construction Schedule associated with the Milestone Dates shown in item 3 of the Bid Proposal Certification Form.

Attachments: Proposed Construction Schedule

******END OF ADDENDUM******

Project: Cornell CHES New Experimental Hall
 Proposed - Construction Schedule
 Date: Wed 12/15/21

ID	Task Name	Duration	Predecessors	Start	Finish	Total Slack	Resource Names	2022							2023																				
								Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
1	CHES NEH PROJECT	509 da...		Fri 12/3/21	Wed 11/15/23	0 days		[Project Summary Bar]																											
2	Project Procurement	81 days		Fri 12/3/21	Fri 3/25/22	39 days		[Project Procurement Summary Bar]																											
3	Issue Construction Documents	1 day		Fri 12/3/21	Fri 12/3/21	39 days		[Task Bar]																											
4	CU Bid Prep	11 days	3	Mon 12/6/21	Mon 12/20/21	39 days		[Task Bar]																											
5	Bid Period	23 days	4	Tue 12/21/21	Thu 1/20/22	39 days		[Task Bar]																											
6	Project Approvals	45 days	5	Fri 1/21/22	Thu 3/24/22	39 days		[Task Bar]																											
7	Construction Contract	1 day	6	Fri 3/25/22	Fri 3/25/22	39 days		[Task Bar]																											
8	Project Milestones	428 da...		Fri 3/25/22	Wed 11/15/23	0 days		[Project Milestones Summary Bar]																											
9	Construction Notice To Proceed	0 days	7	Fri 3/25/22	Fri 3/25/22	39 days		[Task Bar]																											
10	2022 Beamline Shutdown	1 day		Fri 5/27/22	Fri 5/27/22	0 days		[Task Bar]																											
11	Tunnel / Ring Clear for Construction	0 days	23	Fri 6/3/22	Fri 6/3/22	0 days		[Task Bar]																											
12	Ring Safe for Access	0 days	59	Mon 7/11/22	Mon 7/11/22	14 days		[Task Bar]																											
13	Start Ring Access Closed for Backfill	0 days	63,12,24	Fri 9/16/22	Fri 9/16/22	0 days		[Task Bar]																											
14	2022 Beamline Restored	0 days	65,26	Fri 9/30/22	Fri 9/30/22	0 days		[Task Bar]																											
15	Start Steel Erection	0 days	109SS	Thu 11/17/22	Thu 11/17/22	260 days		[Task Bar]																											
16	Temporary Dry-In	0 days	124	Wed 1/18/23	Wed 1/18/23	215 days		[Task Bar]																											
17	Building Enclosure	0 days	132	Fri 5/12/23	Fri 5/12/23	133 days		[Task Bar]																											
18	Building Power Live	0 days	149	Wed 5/24/23	Wed 5/24/23	27 days		[Task Bar]																											
19	2023 Beamline Shutdown	0 days	18	Mon 7/3/23	Mon 7/3/23	0 days		[Task Bar]																											
20	2023 Beamline Restored	0 days	185,199	Thu 8/31/23	Thu 8/31/23	0 days		[Task Bar]																											
21	Construction Complete	0 days	217	Wed 11/15/23	Wed 11/15/23	0 days		[Task Bar]																											
22	Owner Support Activities	90 days		Mon 5/30/22	Fri 9/30/22	0 days		[Project Summary Bar]																											
23	Move Out of Sector 7 / Ring Safing	5 days	10	Mon 5/30/22	Fri 6/3/22	0 days		[Task Bar]																											
24	West Flare Tunnel Modifications	30 days	12	Tue 7/12/22	Mon 8/22/22	19 days		[Task Bar]																											
25	Install Beamline Sleeves	5 days	61	Thu 7/21/22	Wed 7/27/22	340 days		[Task Bar]																											
26	Restore Sector 7	20 days	62,72	Mon 9/5/22	Fri 9/30/22	0 days		[Task Bar]																											
27	Material Procurement	100 da...		Thu 3/24/22	Thu 8/11/22	44 days		[Project Summary Bar]																											
28	Letter of Authorization	0 days	6	Thu 3/24/22	Thu 3/24/22	44 days		[Task Bar]																											
29	Critical Submittals	15 days	28	Fri 3/25/22	Thu 4/14/22	49 days		[Task Bar]																											
30	Pile / Lag Wall Design	20 days	28	Fri 3/25/22	Thu 4/21/22	409 days		[Task Bar]																											
31	Steel Shop Drawings	60 days	28	Fri 3/25/22	Thu 6/16/22	44 days		[Task Bar]																											
32	Steel Fabrication	40 days	31	Fri 6/17/22	Thu 8/11/22	44 days		[Task Bar]																											
33	Long Lead TBD	50 days	29	Fri 4/15/22	Thu 6/23/22	364 days		[Task Bar]																											
34	Site Preparation	135 da...		Mon 3/28/22	Fri 9/30/22	0 days		[Project Summary Bar]																											
35	Before Shutdown Activities	47 days		Mon 3/28/22	Tue 5/31/22	39 days		[Project Summary Bar]																											

Task		External Tasks		Inactive Summary		Start-only		Finish-only
Split		External Milestone		Manual Task		Progress		
Milestone		Inactive Task		Duration-only		Deadline		
Summary		Inactive Task		Manual Summary Rollup				
Project Summary		Inactive Milestone		Manual Summary				




















Project: Cornell CHES New Experimental Hall
 50% CD - Construction Schedule
 Date: Wed 12/15/21

ID	Task Name	Duration	Predecessors	Start	Finish	Total Slack	Resource Names	2022												2023											
73	Foundations	70 days		Mon 6/13/22	Fri 9/16/22	7 days																									
74	Critical Activities During Shutdown	65 days		Mon 6/20/22	Fri 9/16/22	10 days																									
75	East Underpinning / Patio Support	15 days	52	Mon 6/20/22	Fri 7/8/22	298 days																									
76	Install East Caissons (8ea)	6 days	90,52	Thu 6/23/22	Thu 6/30/22	7 days																									
77	Install North Caissons (9ea) OT Required	6 days	76,59,58	Tue 7/12/22	Tue 7/19/22	0 days																									
78	Excavate East GBs	3 days	76	Fri 7/1/22	Tue 7/5/22	301 days																									
79	FPS East GBs	10 days	78,75	Mon 7/11/22	Fri 7/22/22	298 days																									
80	Prep / Place East SOG	5 days	79	Mon 7/25/22	Fri 7/29/22	298 days																									
81	FPS Shielding Walls at West Flare	5 days	80	Mon 8/1/22	Fri 8/5/22	298 days																									
82	Excavate North GBs	3 days	77	Wed 7/20/22	Fri 7/22/22	0 days																									
83	FPS North GBs	8 days	82	Mon 7/25/22	Wed 8/3/22	0 days																									
84	Prep / Place North SOG to C.5	4 days	83	Thu 8/4/22	Tue 8/9/22	0 days																									
85	FPS North Wall Low	10 days	83,61,84	Wed 8/10/22	Tue 8/23/22	0 days																									
86	FPS North Wall High	8 days	85	Wed 8/24/22	Fri 9/2/22	0 days																									
87	North Concrete Cure	5 days	86	Mon 9/5/22	Fri 9/9/22	0 days																									
88	FPS GL-4 & GL-7 Walls @ N (N Wall Bracing)	10 days	86	Mon 9/5/22	Fri 9/16/22	5 days																									
89	Non-Shutdown Related Activities	63 days		Mon 6/13/22	Wed 9/7/22	7 days																									
90	Install West Caissons (11ea)	8 days	50	Mon 6/13/22	Wed 6/22/22	7 days																									
91	Excavate West GBs	3 days	90	Thu 6/23/22	Mon 6/27/22	77 days																									
92	FPS West GBs	5 days	91	Tue 6/28/22	Mon 7/4/22	77 days																									
93	Prep / Place West SOG	7 days	92	Tue 7/5/22	Wed 7/13/22	77 days																									
94	Install Center / South Caissons (14ea)	10 days	77	Wed 7/20/22	Tue 8/2/22	0 days																									
95	Excavate Center//South GBs	3 days	94	Wed 8/3/22	Fri 8/5/22	0 days																									
96	FPS Center/South GBs	10 days	95	Mon 8/8/22	Fri 8/19/22	0 days																									
97	Prep / Place Magnet SOG	3 days	96	Mon 8/22/22	Wed 8/24/22	0 days																									
98	Prep / Place South SOG	5 days	97	Thu 8/25/22	Wed 8/31/22	0 days																									
99	FPS South Knee Wall	5 days	98	Thu 9/1/22	Wed 9/7/22	310 days																									
100	Building Structure	98 days		Mon 8/8/22	Wed 12/21/22	18 days																									
101	FPS East Walls	10 days	81	Mon 8/8/22	Fri 8/19/22	298 days																									
102	East Structural CMU	10 days	101	Mon 8/22/22	Fri 9/2/22	298 days																									
103	FPS East High Bay Walls	15 days	98	Thu 9/1/22	Wed 9/21/22	0 days																									
104	FPS East Shielding Slab	7 days	103	Thu 9/22/22	Fri 9/30/22	278 days																									
105	East Link Steel / Deck	10 days	102,103,104	Mon 10/3/22	Fri 10/14/22	278 days																									
106	Pour East SOD	5 days	105	Mon 10/17/22	Fri 10/21/22	278 days																									
107	FPS West High Bay Walls	15 days	103	Thu 9/22/22	Wed 10/12/22	0 days																									
108	West Structural CMU	15 days	93,107	Thu 10/13/22	Wed 11/2/22	12 days																									

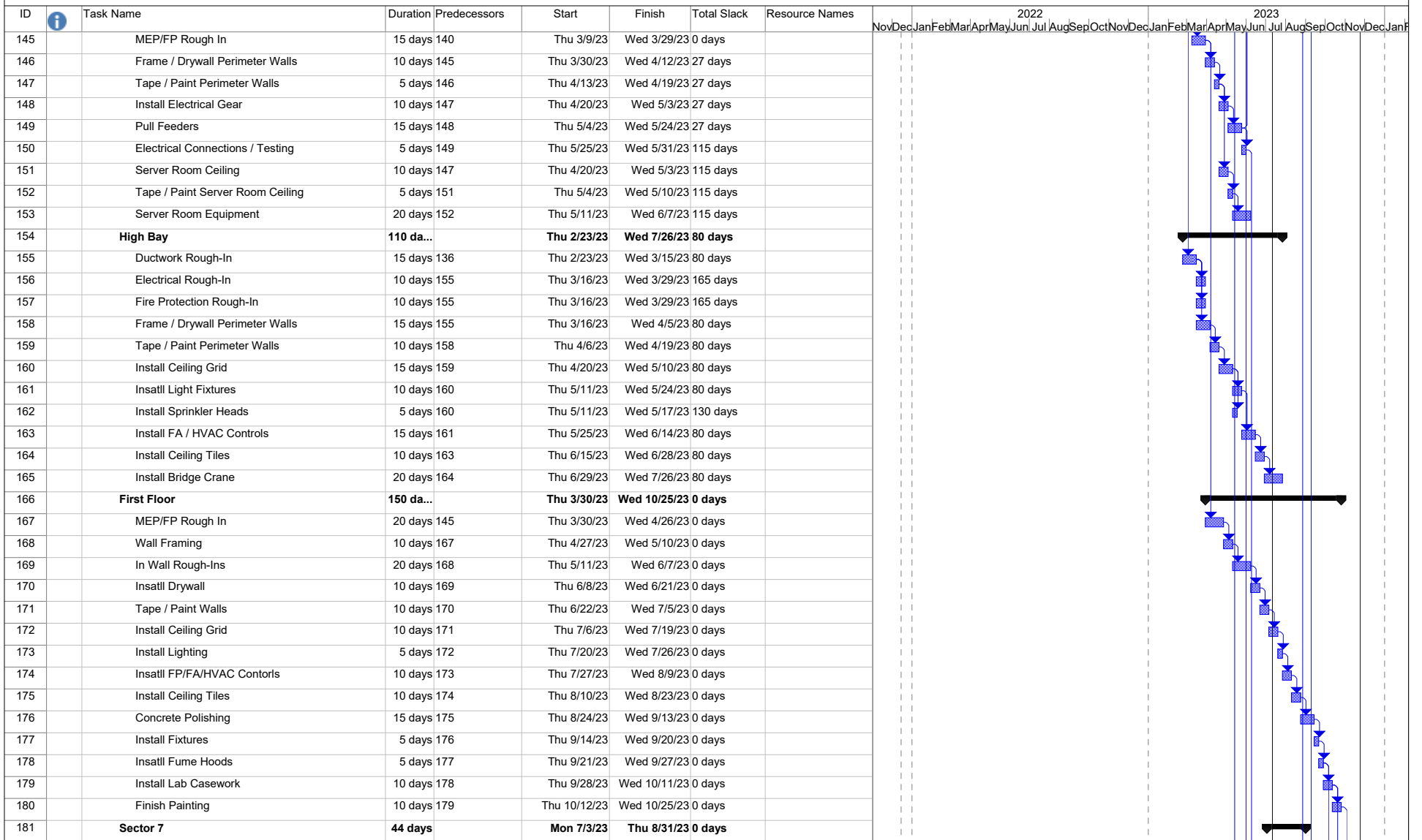
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Split		External Milestone		Manual Task		Finish-only	
Milestone		Inactive Task		Duration-only		Progress	
Summary		Inactive Task		Manual Summary Rollup		Deadline	
Project Summary		Inactive Milestone		Manual Summary			

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								Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan			
109	West Structural Steel / Decks	10 days	93,108,114	Thu 11/17/22	Wed 11/30/22	2 days																															
110	Pour West SOD	5 days	109	Thu 12/1/22	Wed 12/7/22	2 days																															
111	Mezzanine Steel Framing	5 days	107,32	Thu 10/13/22	Wed 10/19/22	0 days																															
112	Set High Bay COLUMNS	5 days	111	Thu 10/20/22	Wed 10/26/22	0 days																															
113	Set Trusses	5 days	112	Thu 10/27/22	Wed 11/2/22	0 days																															
114	Roof Framing	10 days	113	Thu 11/3/22	Wed 11/16/22	0 days																															
115	Roof Decking	10 days	114	Thu 11/17/22	Wed 11/30/22	0 days																															
116	Mezzanine Decking	5 days	115	Thu 12/1/22	Wed 12/7/22	7 days																															
117	Pour Mezzanine SOD	10 days	116	Thu 12/8/22	Wed 12/21/22	7 days																															
118	Building Enclosure	127 da...		Thu 12/1/22	Fri 5/26/23	0 days																															
119	Exterior Metal Framing / Sheathing at High Bay	15 days	115	Thu 12/1/22	Wed 12/21/22	0 days																															
120	Exterior Metal Framing / Sheathing at West	5 days	110,119,139	Thu 12/22/22	Wed 12/28/22	2 days																															
121	Exterior Metal Framing / Sheathing at South	10 days	117,120	Thu 12/29/22	Wed 1/11/23	2 days																															
122	High Bay Roofing (Perm or Temp)	15 days	119	Thu 12/22/22	Wed 1/11/23	0 days																															
123	West Roofing (Temp)	2 days	120,122	Thu 1/12/23	Fri 1/13/23	0 days																															
124	East Wing Roofing (Temp)	3 days	121,123	Mon 1/16/23	Wed 1/18/23	0 days																															
125	West Brick	20 days	123	Mon 1/16/23	Fri 2/10/23	58 days																															
126	West Louvers	10 days	125	Mon 2/13/23	Fri 2/24/23	183 days																															
127	West Storefront	5 days	126	Mon 2/27/23	Fri 3/3/23	183 days																															
128	East Brick	20 days	124,125	Mon 2/13/23	Fri 3/10/23	58 days																															
129	East / West Permanent Roofing	20 days	128	Mon 3/13/23	Fri 4/7/23	143 days																															
130	South Curtainwall	20 days	128	Mon 3/13/23	Fri 4/7/23	58 days																															
131	Exterior Metal Panels	20 days	130	Mon 4/10/23	Fri 5/5/23	58 days																															
132	Install Exterior Doors / Overhead Door	5 days	131	Mon 5/8/23	Fri 5/12/23	133 days																															
133	Roof Copings	15 days	131,129	Mon 5/8/23	Fri 5/26/23	123 days																															
134	Interior Build-Out	230 da...		Thu 12/8/22	Wed 10/25/23	2 days																															
135	Temp Enclosure / Heating	10 days	124	Thu 1/19/23	Wed 2/1/23	0 days																															
136	Spray Fireproofing	15 days	135	Thu 2/2/23	Wed 2/22/23	0 days																															
137	Penthouse	115 da...		Thu 12/8/22	Wed 5/17/23	2 days																															
138	FPS Penthouse Equipment Pads	5 days	110	Thu 12/8/22	Wed 12/14/22	2 days																															
139	Set Air Handling Units	5 days	138	Thu 12/15/22	Wed 12/21/22	2 days																															
140	Frame / Drywall Perimeter Walls	10 days	135,136	Thu 2/23/23	Wed 3/8/23	0 days																															
141	Tape / Paint Perimeter Walls	5 days	140	Thu 3/9/23	Wed 3/15/23	125 days																															
142	Install Mechanical Equipment	5 days	141	Thu 3/16/23	Wed 3/22/23	125 days																															
143	Mechanical / Electrical Connections	40 days	142	Thu 3/23/23	Wed 5/17/23	125 days																															
144	Mezzanine	65 days		Thu 3/9/23	Wed 6/7/23	0 days																															

Task		External Tasks		Inactive Summary		Start-only	
Split		External Milestone		Manual Task		Finish-only	
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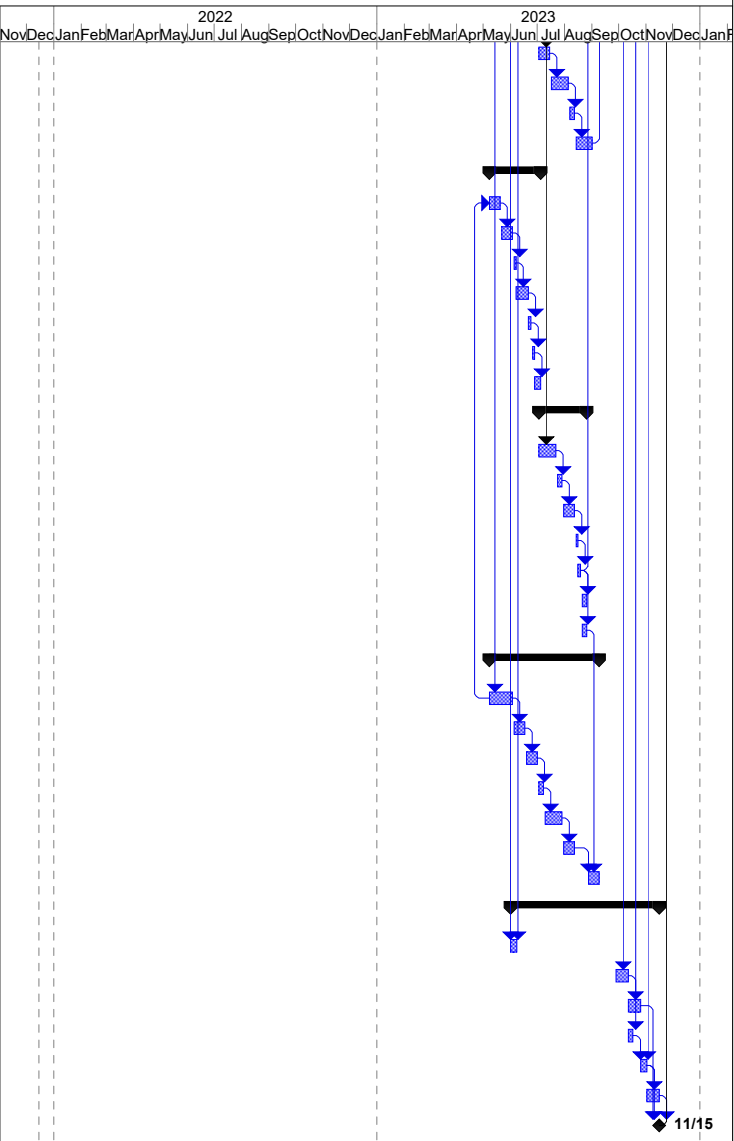
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182	Demo HVAC Systems	10 days	19	Mon 7/3/23	Fri 7/14/23	0 days																									
183	MEP/FP Rough In / Connections	15 days	182	Mon 7/17/23	Fri 8/4/23	0 days																									
184	Testing & Balancing	5 days	183	Mon 8/7/23	Fri 8/11/23	0 days																									
185	Owner Installed Equipment	14 days	184	Mon 8/14/23	Thu 8/31/23	0 days																									
186	Diesel Generator	42 days		Mon 5/8/23	Tue 7/4/23	96 days																									
187	Install Retaining Wall	10 days	203SS	Mon 5/8/23	Fri 5/19/23	96 days																									
188	Install Generator Pad / Cure	10 days	187	Mon 5/22/23	Fri 6/2/23	96 days																									
189	Set Generator	2 days	188	Mon 6/5/23	Tue 6/6/23	96 days																									
190	Install Wiring / ATS	10 days	189	Wed 6/7/23	Tue 6/20/23	96 days																									
191	Generator Startup	3 days	190	Wed 6/21/23	Fri 6/23/23	96 days																									
192	Switchover to New Generator	2 days	191	Mon 6/26/23	Tue 6/27/23	96 days																									
193	Demo Existing Gas / Diesel Generators	5 days	192	Wed 6/28/23	Tue 7/4/23	96 days																									
194	Alternate B-2 ECI Chilled Water	40 days		Mon 7/3/23	Fri 8/25/23	9 days																									
195	New CW Piping Rough-In	15 days	19	Mon 7/3/23	Fri 7/21/23	9 days																									
196	Install Pumps CWP-6 / 7	5 days	195	Mon 7/24/23	Fri 7/28/23	9 days																									
197	Install Controls Devices	10 days	196	Mon 7/31/23	Fri 8/11/23	9 days																									
198	Test Piping	2 days	197	Mon 8/14/23	Tue 8/15/23	9 days																									
199	CW Piping Connections	3 days	198	Wed 8/16/23	Fri 8/18/23	9 days																									
200	Demo Existing CW Piping	5 days	199	Mon 8/21/23	Fri 8/25/23	58 days																									
201	Demo Cooling Towers	5 days	199	Mon 8/21/23	Fri 8/25/23	48 days																									
202	Sitework	90 days		Mon 5/8/23	Fri 9/8/23	48 days																									
203	Site Grading	20 days	131	Mon 5/8/23	Fri 6/2/23	58 days																									
204	Drainage	10 days	203	Mon 6/5/23	Fri 6/16/23	58 days																									
205	Site Lighting	10 days	204	Mon 6/19/23	Fri 6/30/23	58 days																									
206	Set Curbs	5 days	205	Mon 7/3/23	Fri 7/7/23	58 days																									
207	Sidewalks	15 days	206	Mon 7/10/23	Fri 7/28/23	58 days																									
208	Paving	10 days	207	Mon 7/31/23	Fri 8/11/23	58 days																									
209	Landscaping	10 days	208,201	Mon 8/28/23	Fri 9/8/23	48 days																									
210	Close-Out	120 da...		Thu 6/1/23	Wed 11/15/23	0 days																									
211	Equipment Startup	5 days	150,143	Thu 6/1/23	Wed 6/7/23	115 days																									
212	HVAC Balancing	10 days	178	Thu 9/28/23	Wed 10/11/23	15 days																									
213	Building Commissioning	10 days	212	Thu 10/12/23	Wed 10/25/23	15 days																									
214	Life Safety Testing	3 days	179	Thu 10/12/23	Mon 10/16/23	7 days																									
215	Final Inspections	5 days	214,180	Thu 10/26/23	Wed 11/1/23	0 days																									
216	Punchlist	10 days	215	Thu 11/2/23	Wed 11/15/23	0 days																									
217	Project Complete	0 days	213,215,216	Wed 11/15/23	Wed 11/15/23	0 days																									



Task		External Tasks		Inactive Summary		Start-only	
Split		External Milestone		Manual Task		Finish-only	
Milestone		Inactive Task		Duration-only		Progress	
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