



# HILLSBOROUGH COUNTY AVIATION AUTHORITY

PART 2 SUPPLEMENTAL CONTRACT E  
FOR DESIGN-BUILD SERVICES

BETWEEN

HILLSBOROUGH COUNTY AVIATION AUTHORITY

AND

HENSEL PHELPS CONSTRUCTION CO.

PROJECT NOS. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19  
and  
8425 22

MAIN TERMINAL CURBSIDE EXPANSION, NEW  
ENERGY PLANT AND RELATED WORK

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DATED MAY 5, 2022

SUPPLEMENTAL CONTRACT BETWEEN  
OWNER AND DESIGN-BUILDER

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## PART 2 SUPPLEMENTAL CONTRACT E

This Part 2 Supplemental Contract E (Contract) for design-build services is made and entered into this 5th day of May, 2022 by and between the Hillsborough County Aviation Authority, a public body corporate under the laws of the State of Florida, hereinafter referred to as the "Owner," and Hensel Phelps Construction Co., a Delaware General Partnership, authorized to do business in the State of Florida, hereinafter referred to as the "Design-Builder".

For the following Program: Main Terminal Curbside Expansion, New Energy Plant and Related Work

Authority Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8425 22

(Project No. 8200 18 – FAA Parking Lot, Project No. 8205 18 – Central Utility Plant/Loading Dock, Project No. 8900 18 – Demolition of Administration Building, Project 8230 18 – Blue and Red Curbsides, Project No. 8310 19 – Ceiling Replacement, Project No. 8425 22 – Main Terminal Airside D Shuttle Station)

The Owner and Design-Builder agree as set forth below.

As part of the Part 2 Contract Between Owner and Design-Builder, dated June 6, 2019, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$31,535,723.00 and Substantial Completion date of December 31, 2019.

As part of the Part 2 Supplemental Contract A Between Owner and Design-Builder, dated November 7, 2019, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$151,028,294.00 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 1ODP Between Owner and Design-Builder, dated January 23, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$143,028,294.00 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 2 Between Owner and Design-Builder, dated March 4, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$143,041,167.85 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 3ODP Between Owner and Design-Builder, dated April 13, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$135,541,167.85 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 4 Between Owner and Design-Builder, dated May 18, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$134,338,304.85 and Substantial Completion date of December 30, 2021.

As part of the Part 2 Supplemental Contract B Between Owner and Design-Builder, dated June 4, 2020 for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$144,437,593.85 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 5ODP Between Owner and Design-Builder, dated July 6, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related



Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$138,937,593.85 and Substantial Completion date of December 30, 2021.

As part of the Part 2 Supplemental Contract C Between Owner and Design-Builder, dated August 6, 2020 for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$158,858,325.85 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 6 Between Owner and Design-Builder, dated September 2, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the Owner and Design-Builder established a GMP amount of \$158,367,666.11 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 7 Between Owner and Design-Builder, dated December 2, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8226 17, the Owner and Design-Builder established a GMP amount of \$157,900,824.06 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 8ODP Between Owner and Design-Builder, dated December 2, 2020, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8226 17, the Owner and Design-Builder established a GMP amount of \$154,900,824.06 and Substantial Completion date of December 30, 2021.

As part of the Change Order No. 9 Between Owner and Design-Builder, dated March 22, 2021, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8226 17, the Owner and Design-Builder established a GMP amount of \$154,933,681.86 and Substantial Completion date of January 4, 2022.

As part of the Change Order No. 10 Between Owner and Design-Builder, dated July 29, 2021, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8226 17, the Owner and Design-Builder established a GMP amount of \$154,961,310.19 and Substantial Completion date of January 4, 2022.

As part of the Part 2 Supplemental Contract D Between Owner and Design-Builder, dated December 2, 2021 for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18 and 8310 19, the

Owner and Design-Builder established a GMP amount of \$185,800,358.19 and Substantial Completion date of October 18, 2023.

As part of the Change Order No. 11 Between Owner and Design-Builder, dated January 13, 2022, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8226 17, the Owner and Design-Builder established a GMP amount of \$185,800,358.19 and Substantial Completion date of January 4, 2022.

As part of the Change Order No. 12 Between Owner and Design-Builder, dated April 22, 2022, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8226 17, the Owner and Design-Builder established a GMP amount of \$185,809,754.44 and Substantial Completion date of January 4, 2022.

As part of the Change Order No. 13ODP Between Owner and Design-Builder, dated April 27, 2022, for design-build services for Main Terminal Curbside Expansion, New Energy Plant and Related Work, Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8226 17, the Owner and Design-Builder established a GMP amount of \$186,749,754.44 and Substantial Completion date of January 4, 2022.

## **ARTICLE 1 GENERAL PROVISIONS**

The existing Part 2 Contract and all attachments, dated June 6, 2019, and the Part 2 Supplemental Contract A and all attachments, dated November 7, 2019, between Owner and Design-Builder, Change Orders No. 1ODP, 2, 3ODP, 4, and 5ODP, the Part 2 Supplemental Contract B, the Part 2 Supplemental Contract C, Change Orders No. 6, 7, 8ODP, 9 and 10, the Part 2 Supplemental Contract D and Change Orders 11, 12 and 13ODP, as described above, are incorporated by reference herein to the extent not modified by this Part 2 Supplemental Contract E.

## **ARTICLE 2 BASIS OF COMPENSATION**

The Owner will compensate the Design-Builder for services rendered under the Part 2 Contract, the Part 2 Supplemental Contract A, the Part 2 Supplemental Contract B, the Part 2 Supplemental Contract C, the Part 2 Supplemental Contract D and this Part 2 Supplemental Contract E as described below.

For the Design-Builder's successful performance of the Work, as described in Article 1 of the Part 2 Contract and Design-Builder's GMP Proposals and including any other services listed in said Part 2 Contract as part of the Work, the Owner will pay to the Design-Builder the GMP Contract Sum of Two Hundred Ninety Six Million One Hundred Five Thousand Four Hundred

Five and Forty Four One-Hundredth Dollars (\$296,105,405.44.) subject to additions and deductions by changes in the Work as provided in the Contract Documents. Invoiced amounts will be based upon actual work completed and supported by monthly progress reports submitted to the Owner in accordance with Article 4 of the Part 2 Contract.

The GMP amount is for the performance of the Work in accordance with the Part 2 Contract, the Part 2 Supplemental Contract A, the Part 2 Supplemental Contract B, the Part 2 Supplemental Contract C and the Part 2 Supplemental Contract D, as if fully contained herein, and Design-Builder's GMP proposal for Part 2 Supplemental Contract E, marked Attachment 1, as follows:

Attachment 1 - Part 2 Supplemental Contract E GMP proposal dated April 22, 2022, entitled "Red Side VCB & Main Terminal Shuttle Platform, Supplemental E Submission – REV 7 - TPA – Main Terminal Curbside Expansion Project."

### **ARTICLE 3 GUARANTEED COMPLETION DATE**

23.1 The Design-Builder will commence the Work within 10 days of the date set by the Owner in a written notice to proceed. The Design-Builder will achieve Substantial Completion of the Work no later than the Guaranteed Completion Date of May 27, 2025 subject to authorized adjustments and in accordance with the Contract Documents. With the establishment of the above Guaranteed Completion Date of May 27, 2025.

### **ARTICLE 4 WOMAN AND MINORITY OWNED BUSINESS ENTERPRISE (W/MBE) ASSURANCES**

28.3 W/MBE Goals. In compliance with the Owner's W/MBE Policy and Program, the Design-Builder's minimum W/MBE commitment is established as the sum total of the verified Letter(s) of Intent for each portion of the Project submitted with their response. The W/MBE goal stated below is the sum total of the certified W/MBE's listed in the Design-Builder's fee and scope proposal which is attached hereto and which will be enforceable under the terms of this Contract. The Design-Builder will subcontract to certified W/MBEs at least 14.2% of the cumulative dollar value for the design Work earned under the Part 1 and this Part 2 Contract, and at least 9.9% of the dollar value of the construction Work earned under this Part 2 Contract.

### **ARTICLE 5 OTHER CONDITIONS AND SERVICES**

The Work to be performed under this Part 2 Supplemental Contract E will commence on the date of the notice to proceed and, subject to authorized adjustments, will be completed by May 27, 2025 in accordance with the Part 2 Contract.

**ARTICLE 6**  
**TERMS AND CONDITIONS**

All other terms and conditions contained in the Part 2 Contract, as modified by Part 2 Supplemental Contract A, Part 2 Supplemental Contract B, Part 2 Supplemental Contract C and Part 2 Supplemental Contract D, Change Orders No. 1ODP, 2, 3ODP, 4, 5ODP, No. 6, 7, 8ODP, 9, 10, 11, 12 and 13ODP remain in full force and effect and are hereby ratified and confirmed.

**ARTICLE 7  
CONTRACT**

This Contract is entered into as of the day and year first written above.

IN WITNESS WHEREOF, the parties hereto have set their hands and corporate seals by their proper officers, duly authorized to do so;

By the Design-Builder this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

ATTEST:

**Hensel Phelps Construction Co.**

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Print Name

\_\_\_\_\_

Print Address

\_\_\_\_\_

\_\_\_\_\_

Signed, sealed, and delivered  
in the presence of:

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Print Name

**Notary for Hensel Phelps Construction Co.**

**STATE OF** \_\_\_\_\_

**COUNTY OF** \_\_\_\_\_

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization,  
this \_\_\_\_ day of \_\_\_\_\_, 2022, by \_\_\_\_\_ as

(Name of person)

\_\_\_\_\_, for \_\_\_\_\_  
(type of authority) (name of party on behalf of whom contract was executed)

\_\_\_\_\_  
Signature of Notary

\_\_\_\_\_  
Print, Type, or Stamp Commissioned Name of Notary

Personally Known OR Produced Identification  
Type of Identification Produced \_\_\_\_\_

Main Terminal Curbside Expansion, New Energy Plant and Related Work  
Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8425 22

By the Owner this 5<sup>th</sup> Day of May, 2022.

**HILLSBOROUGH COUNTY AVIATION AUTHORITY**

*(Affix Corporate Seal)*

By: \_\_\_\_\_  
Gary Harrod, Chairman

**ATTEST:**

\_\_\_\_\_  
Jane Castor, Secretary

Signed, sealed, and delivered  
in the presence of:

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Print Name

**APPROVED AS TO FORM FOR LEGAL  
SUFFICIENCY:**

By: \_\_\_\_\_  
Michael Kamprath, Assistant General Counsel

**Notary for Hillsborough County Aviation Authority**

**STATE OF FLORIDA  
COUNTY OF HILLSBOROUGH**

The foregoing instrument was acknowledged before me by means of  physical presence or  online authorization, this \_\_\_\_ day of \_\_\_\_\_, 2022, by Gary Harrod, in the capacity of Chairman, and by Jane Castor in the capacity of Secretary, for Hillsborough County Aviation Authority, a public body corporate under the laws of the State of Florida, on its behalf.

\_\_\_\_\_  
Signature of Notary

\_\_\_\_\_  
Print, Type, or Stamp Commissioned Name of Notary

Personally Known OR Produced Identification  
Type of Identification Produced

\_\_\_\_\_  
Main Terminal Curbside Expansion, New Energy Plant and Related Work  
Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19 and 8425 22



# HENSEL PHELPS

Plan. Build. Manage.

## ATTACHMENT 1

6557 Hazeltine National Drive  
Suite One  
Orlando, Florida 32822  
407.856.2400

April 22, 2022

Mr. Tom Thalheimer  
Director of Procurement, Capital Program  
Tampa International Airport  
P.O. Box 22287  
Tampa, FL 33622

Subject: Red Side VCB & Main Terminal Shuttle Platform  
Supplemental E Submission – REV 7  
TPA – Main Terminal Curbside Expansion Project

Dear Mr. Thalheimer:

Hensel Phelps is pleased to submit Revision 7 to the Supplemental E GMP for the TPA Main Terminal Curbside Expansion Project. This revision is based on the results of the recent Bid Package 05 which was competed in the marketplace from October 27<sup>th</sup> to January 13<sup>th</sup>. Since January 13, Hensel Phelps has begun the Purchasing process with those trades which were clearly competitive, as well as conducting in-depth scope and pricing review with select other trades.

The work specifically included in this package is as follows:

- All Trades associated with the construction of the Red Vertical Circulation Building and Airside D Shuttle Platform
- All Trades necessary to structurally reframe the Marriott Arcade
- All Trades associated with the construction of the new Arrivals and Departures level roadways

Please reference the Estimate Narrative for more information about the current status of the Purchasing process.

We hope the information provided herein meets your approval and should you have any questions please call me at your convenience.

Regards,

Drew Krizman  
Program Director

## Supplemental E: Section 2 – Bid Package 05 Documents

Bid Package 05 for this project was released to the bidding community on October 27<sup>th</sup> through Building Connected. All files associated with this Bid Package release are located on SharePoint and available for review at the discretion of the Authority. They may be found at *Estimating-Procurement > 02\_Procurement > Bid Package 05*, or through the following link:

<https://hpcc2013.sharepoint.com/:f:/r/teams/TIA/EstimatingProcurement/02%20-%20Procurement/Bid%20Package%2005?csf=1&web=1&e=1EuaYw>

The Bid Package Solicitation file is uploaded to SharePoint for your reference as well.



## Schedule of Values Supplemental E: Red Side VCB & MTSP

Owner: Hillsborough County Aviation Authority  
 Architect: HNTB Corporation

DIV.		HPCC 100% Estimate	Demo Admin	Red Side & Arcade	MTSP	100% Bid Package Amount	Differential (Over) / Under
	<b>Subcontract Amounts</b>						
5.02	TURNKEY CONCRETE	3,782,000		3,247,000	1,528,000	4,775,000	(993,000)
5.04	STRUCTURAL STEEL & MISC METALS	12,091,000		5,866,000	7,951,000	13,817,000	(1,726,000)
5.05	ORNAMENTAL METALS	1,313,000		1,313,000		1,313,000	0
5.06	SPRAYED FIREPROOFING & INSULATION	311,000		141,000	224,000	365,000	(54,000)
5.07	WATERPROOFING & CAULKING	408,000		198,000	670,000	868,000	(460,000)
5.08	METAL WALL PANELS	1,806,000		601,000	616,000	1,217,000	589,000
5.08a	INTERIOR WALL PANELS	2,981,000		2,270,000	996,000	3,266,000	(285,000)
5.09	ROOFING & RELATED	1,121,000		934,000	264,000	1,198,000	(77,000)
5.10	GLASS & ALUMINUM	3,545,000		2,175,000	890,000	3,065,000	480,000
5.11	DRYWALL & RELATED	2,950,000		3,896,000	1,044,000	4,940,000	(1,990,000)
5.12	ARCHITECTURAL CEILINGS	4,567,000		5,961,000	443,000	6,404,000	(1,837,000)
5.13	FLOORING & TILE	953,000		854,000	240,000	1,094,000	(141,000)
5.14	TERRAZZO FLOORING	1,090,000		774,000	178,000	952,000	138,000
5.15	RESINOUS FLOORING	42,000		77,000		77,000	(35,000)
5.16	PAINT & WALLCOVERINGS	315,000		211,000	7,000	218,000	97,000
5.17	BUILDING SPECIALTIES	405,000		386,000	22,000	408,000	(3,000)
5.18	SIGNAGE	2,469,000		2,377,000	92,000	2,469,000	0
5.19	FURNITURE	-		0		-	0
5.20	CONVEYANCE	2,029,000		1,775,000		1,775,000	254,000
5.21	FIRE PROTECTION	1,015,000		689,000	170,000	859,000	156,000
5.22	PLUMBING	1,997,000	w/ RVBC	1,036,000	335,000	1,371,000	626,000
5.23	HVAC (w/ TAB)	5,283,000	129,000	3,758,500	2,658,500	6,546,000	(1,263,000)
5.24	ELECTRICAL	6,785,000	125,000	5,267,000	2,258,000	7,650,000	(865,000)
5.25	SITE DEVELOPMENT	14,364,000		23,328,000		23,328,000	(8,964,000)
5.26	DEEP FOUNDATIONS	4,241,000		3,990,000	295,000	4,285,000	(44,000)
5.27	LANDSCAPE & IRRIGATION	758,000		683,000		683,000	75,000
	<b>Total Subcontract Amounts</b>	<b>76,621,000</b>	<b>254,000</b>	<b>71,807,500</b>	<b>20,881,500</b>	<b>92,943,000</b>	<b>(16,322,000)</b>
	<b>Other</b>						
	Escalation	911,000	-	911,000	-	911,000	0
	Unbought Scope (Reallocation of General Requirements)	140,500	-	420,500	45,000	465,500	(325,000)
	<b>Total "Other" Scope</b>	<b>1,051,500</b>	<b>-</b>	<b>1,331,500</b>	<b>45,000</b>	<b>1,376,500</b>	<b>(325,000)</b>
	<b>Allowances</b>						
AL01	Floor Leveling @ Transfer Level	135,000	-	-	135,000	135,000	0
AL02	Interior Signage Changes	50,000	-	50,000		50,000	0
AL03	Exterior Roadway Signage Changes	75,000	-	75,000	-	75,000	0
AL04	Interior Security Changes	50,000	-	50,000	-	50,000	0
AL05	Concessions Modifications	500,000	-	500,000	-	500,000	0

## Schedule of Values Supplemental E: Red Side VCB & MTSP

Owner: Hillsborough County Aviation Authority  
 Architect: HNTB Corporation

DIV.		HPCC 100% Estimate	Demo Admin	Red Side & Arcade	MTSP	100% Bid Package Amount	Differential (Over) / Under
AL06	Artwork Infrastructure Support	200,000	-	100,000	100,000	200,000	0
AL07	Value Engineering Credits	-	-	(241,000)		(241,000)	241,000
	<b>Total Allowances</b>	<b>1,010,000</b>	-	<b>534,000</b>	<b>235,000</b>	<b>769,000</b>	<b>241,000</b>
	<b>Cost of Trade Work: SUBTOTAL</b>	<b>78,682,500</b>	<b>254,000</b>	<b>73,673,000</b>	<b>21,161,500</b>	<b>95,088,500</b>	<b>(16,406,000)</b>
	<b>Cost of Work Markups</b>						
	Design/Build Contingency (4%)	3,147,300	10,160	2,946,920	846,460	3,803,540	(656,240)
	Subcontractor Bonds (1.18%)	928,454	2,997	869,341	249,706	1,122,044	(193,591)
	<b>Total Cost of Work Markups</b>	<b>4,075,754</b>	<b>13,157</b>	<b>3,816,261</b>	<b>1,096,166</b>	<b>4,925,584</b>	<b>(849,831)</b>
	<b>Cost of Work: SUBTOTAL</b>	<b>82,758,254</b>	<b>267,157</b>	<b>77,489,261</b>	<b>22,257,666</b>	<b>100,014,084</b>	<b>(17,255,831)</b>
	<b>Indirect Costs</b>						
	Fee (5.282%)	4,371,291	14,111	4,092,983	1,175,650	5,282,744	(911,453)
	GL/PL Insurance (0.51854%)	429,135	1,385	401,813	115,415	518,613	(89,478)
	Building Permit Fee Allowance (0.15%)	123,571	401	116,234	33,386	150,021	(26,450)
	Builders Risk Insurance (0.750%)	620,687	2,004	581,169	166,932	750,106	(129,419)
	Payment & Performance Bond (0.590%)	488,274	1,576	457,187	131,320	590,083	(101,809)
	<b>Total Indirect Costs</b>	<b>6,032,957</b>	<b>19,477</b>	<b>5,649,386</b>	<b>1,622,704</b>	<b>7,291,567</b>	<b>(1,258,610)</b>
	<b>CONSTRUCTION TOTAL</b>	<b>88,791,211</b>	<b>286,634</b>	<b>83,138,647</b>	<b>23,880,370</b>	<b>107,305,651</b>	<b>(18,514,440)</b>
	<b>Owner's Allowance</b>			1,750,000	300,000	2,050,000	
	<b>Supplemental E Total</b>	<b>88,791,211</b>	<b>286,634</b>	<b>84,888,647</b>	<b>24,180,370</b>	<b>109,355,651</b>	
	Part 2 Contract w/ Supp A, B, C, and D	<b>186,749,754</b>				<b>186,749,754</b>	
	Running Part 2 Contract Total					<b>296,105,406</b>	



21-Apr-22

\* Part 2 Contract w/ Supp A, B, C, D, and CO#13

\*\* Owner's Allowance for Red VCB will be shared with Admin Demo and MTSP.

5.282% Fee on Cost of Work Subtotal

0.51854% GL/PL Insurance on Cost of Work Subtotal

0.150% Building Permit Fee on Cost of Work Subtotal (Inclusive of Impact Fees paid in Supp D)

0.750% Builder's Risk Insurance on Cost of Work Subtotal

0.590% Payment and Performance Bond on Cost of Work Subtotal

## Supplemental E: Section 3 – Escalation Analysis

### 1.0 General:

- a. This Analysis is a review, by Trade, of market forces affecting the ability to secure fixed pricing of materials and equipment for the duration of the project, or until the need to furnish and install. This analysis does not infer all possibilities for escalation, nor propose to restrict the use of contingency for the items listed below, as other forms of escalation may be identified or realized in the future.
- b. The following trades have been identified as having an appreciable risk for materials and equipment pricing escalation due to market instability and/or supply chain issues. All other trades not identified below have been evaluated and determined that the risk can be mitigated at the time of contracting or the escalation can be determined between the time of contracting and the time of material purchasing.

### 2.0 Trades:

- a. Turnkey Concrete:
  - i. Rebar & Mild Steel: 290tn @ \$350/tn increase = \$102,000
  - ii. WWF & Fiber: 56,600sf @ \$1.00/sf increase = \$56,000
  - iii. Concrete: 2,845cy @ \$25/cy increase = \$71,000
    1. This risk equates to approximately 5% of the Turnkey Concrete value.
- b. Roofing & Related:
  - i. Roofing Materials @ \$570,000 \* 12% = \$70,000
  - ii. Due to the length of time until roofing operations begin, the availability of materials is not anticipated to be a problem.
- c. Glass & Glazing:
  - i. If Glass Curtain Wall is released after 12/30/2022, the cost is \$120,000 (per West Tampa Glass quote)
- d. Resinous Flooring:
  - i. Flooring Materials @ \$40,000 \* 10% = \$4,000
- e. Signage:
  - i. Deep Foundations
    1. \$199,000 \* 5% = \$10,000
  - ii. Concrete
    1. \$421,000 \* 5% = \$20,000
  - iii. ROHT Trusses
    1. \$797,000 \* 10% = \$80,000
- f. Fire Protection:
  - i. Fire Protection Materials @ \$500,000 \* 5% = \$25,000
- g. Deep Foundations:
  - i. \$4,283,000 \* ~5% = \$200,000
  - ii. This scope of work is similar to Turnkey Concrete, where the risk is largely in the procurement of reinforcing steel and ready-mix concrete.
- h. Landscape & Irrigation:
  - i. Due to the schedule for installation of Landscaping & Irrigation, it is impossible to procure early and store, and impractical to grow specifically for this project. Anticipated escalation similar to past few years has been applied, based on installation late in 2024, early 2025. \$153,000



## Supplemental E: Section 4 – General Conditions

Please see Supplemental D for Red Side VCB and MTSP General Conditions.

**Supplemental E: Red Side VCB & MTSP**

**WMBE Participation Summary**

Trade	Total Value	MWBE Value	%
TURNKEY CONCRETE	\$ 4,775,000	\$ 238,750	5.00%
STRUCTURAL STEEL & MISC METALS	\$ 13,817,000	\$ 483,595	3.50%
ORNAMENTAL METALS	\$ 1,313,000	\$ -	0.00%
SPRAYED FIREPROOFING & INSULATION	\$ 365,000	\$ 94,900	26.00%
WATERPROOFING & CAULKING	\$ 868,000	\$ -	0.00%
METAL WALL PANELS	\$ 1,217,000	\$ -	0.00%
INTERIOR WALL PANELS	\$ 3,266,000	\$ 1,453,370	44.50%
ROOFING & RELATED	\$ 1,198,000	\$ -	0.00%
GLASS & ALUMINUM	\$ 3,065,000	\$ -	0.00%
DRYWALL & RELATED	\$ 4,940,000	\$ 1,482,000	30.00%
ARCHITECTURAL CEILINGS	\$ 6,404,000	\$ 2,561,600	40.00%
FLOORING & TILE	\$ 1,094,000	\$ 1,094,000	100.00%
TERRAZZO FLOORING	\$ 952,000	\$ 142,800	15.00%
RESINOUS FLOORING	\$ 77,000	\$ -	0.00%
PAINT & WALLCOVERINGS	\$ 218,000	\$ 41,420	19.00%
BUILDING SPECIALTIES	\$ 408,000	\$ -	0.00%
SIGNAGE	\$ 2,469,000	\$ -	0.00%
FURNITURE	\$ -	\$ -	0.00%
CONVEYANCE	\$ 1,775,000	\$ -	0.00%
FIRE PROTECTION	\$ 859,000	\$ 171,800	20.00%
PLUMBING	\$ 1,371,000	\$ 1,371,000	100.00%
HVAC (w/ TAB)	\$ 6,546,000	\$ -	0.00%
ELECTRICAL	\$ 7,650,000	\$ 1,453,500	19.00%
SITE DEVELOPMENT	\$ 23,328,000	\$ 2,332,800	10.00%
DEEP FOUNDATIONS	\$ 4,285,000	\$ 214,250	5.00%
LANDSCAPE & IRRIGATION	\$ 683,000	\$ 457,610	67.00%
<i>Subtotal</i>		\$ 13,593,395	
Part 2 Base Contract: Construction **	\$ 178,577,739	\$ 15,006,538	8.40%
Supplemental E: (GMP / WMBE Participation)	\$ 109,355,651	\$ 13,593,395	12.43%
<b>Total Part 2 Contract: Construction</b>	<b>\$ 287,933,391</b>	<b>\$ 28,599,933</b>	<b>9.93%</b>
Part 2 Base Contract: Design **	\$ 8,172,015	\$ 1,163,413	14.24%
Supplemental E: (GMP / WMBE Participation)			
<b>Total Part 2 Contract: Design</b>	<b>\$ 8,172,015</b>	<b>\$ 1,163,413</b>	<b>14.24%</b>

**Notwithstanding the information stated above, Hensel Phelps is committed to achieving the program goal for WMBE participation on Construction Services.**

\*\* This value is through Supplemental D and CO#13

## Supplemental E: Section 6 – Project Schedule

Due to the length (page count) of the project schedule, it is being provided as an attachment to this Supplemental.

## Supplemental E: Section 7 - Clarifications & Assumptions

### 1.0 General:

- a. The development of Part 2 - Supplemental E is based upon the following Drawings and Specifications:
  - i. Red VCB Construction Set dated May 29, 2020
  - ii. Red VCB Addendum R001 Drawings dated August 07, 2020
  - iii. Red VCB Addendum R002 Drawings dated September 16, 2020
  - iv. Red VCB Addendum R003 Drawings dated May 21, 2021
  - v. City of Tampa Permitting Comment Drawings dated November 19, 2020
  - vi. Project Manual 100% Volume 1 -4 dated June 09, 2021

The scope of work has been coordinated with Part 2 and Supplementals A, B, C, and D to ensure no overlap or gaps in performance.

- b. The Supplemental E Schedule of Values is based on the included schedule deliverable. The anticipated completion date for Supplemental E work is **May 27, 2025**.
- c. This Supplemental E is being submitted as one GMP with accounting breakdown separating HCAA project types for accounting purposes only. It is Hensel Phelps intent that the values can be modified amongst the projects interchangeably (including Supplemental D values) as necessary with appropriate notification to HCAA.
- d. There is no cost included in Supplemental E for the relocation of personnel and resources (including FF&E) from the existing Administration Building and Main Terminal.
- e. Supplemental E includes commissioning of identified systems as required by Florida Building Code but does not include independent 3<sup>rd</sup> party commissioning.
- f. Supplemental E assumes that temporary and permanent building electrical power and water usage cost will be by Owner and is not included in this GMP.
- g. It is our intent that most work that will take place behind temporary partitions or fencing will be performed during normal business hours. Work that interfaces with the public or airport operations will be coordinated with the Owner and may be performed at night.
- h. All work identified as TECO or TECO People's Gas will be by TECO and is not included in Supplemental E. This includes layout of its work, excavation, dewatering, backfilling, or as-builts. Hensel Phelps will coordinate with TECO as necessary to maintain the project schedule.
- i. All work identified as Frontier will be by Frontier and is not included in Supplemental E. Hensel Phelps will coordinate with Frontier as necessary to maintain the project schedule.
- j. Maintenance of landscaping, including irrigation, mowing, trimming, etc. outside of the limits of construction are assumed to be a continuing service by HCAA and are excluded from Supplemental E. Hensel Phelps will maintain the fenced perimeter of the limits of construction during site operations. If our work inside the project limits affects the irrigation system outside the project limits, the responsibility for irrigation maintenance is included within Supplemental E.
- k. For Red Side construction management, Hensel Phelps intends to utilize Contractor's ProjectSight for the day-to-day project management, including RFI's, Transmittals/Submittals, drawings & specifications (including RFI & bulletin posting) etc. Hensel Phelps intends to reserve the use of HCAA's Prolog Sky for record documents only (not in-process work).
- l. Due to lack of onsite parking for this project, Personally Owned Vehicles will be parked at the contractor's lots adjacent to the project offices. HCAA agrees that should additional parking be necessary, HCAA will work with Hensel Phelps to provide additional parking within the airport campus at no additional cost.
- m. We have not included any future impacts associated with COVID-19. Any such impacts will be addressed in accordance with the Prime Contract.



- n. There is no cost included in Supplemental E for the handling, storage, or relocation of the existing in-place Airport models at the Marriott Arcade.
- o. It is understood that all universal hazardous waste present in the Administration Building will be removed and properly disposed of by HCAA prior to turnover of the facility to Hensel Phelps.
- p. Hensel Phelps has included all asbestos and lead abatement within the demolition scope of Supplemental D as outlined within the surveys performed by Hensel Phelps during Part 1. Any additional hazardous materials that may be found will be defined as unforeseen hazardous materials. As Supplemental D includes a Contractor’s Allowance for the remediation of unforeseen hazardous materials, no additional value is included in Supplemental E. Hazardous Materials reports specifically recognized by Supplemental D include:
  - i. Terracon Report No. H4187423 – Asbestos Survey Report – Designated Areas (Dec 18, 2018)
  - ii. Terracon Report No. H4187423 – Lead Based Paint Survey Report – Designated Areas (Dec 19, 2018)
  - iii. Terracon Report No. H4187423 – Asbestos Containing Materials Abatement – Work Procedures (Dec 18, 2018)
  - iv. Terracon Report No. H4187423 – Lead Based Paint Abatement – Work Procedures (Dec. 18, 2018)
  - v. Envirotrac report, dated May 15, 2019
- q. The Owner and Design Builder acknowledge that the Design Builder was not able to make a careful inspection of the existing conditions in the areas listed below and therefore existing conditions that deviate from as-built information may be considered concealed conditions pursuant to Section 10.1.7 of the Contract if the other requirements of that Section and the Contract are met. The areas that the foregoing sentence applies are only:
  - i. Above ceilings at the transfer level. This includes all areas within the main terminal as well as the arcade.
  - ii. Underground Utilities / Foundations beneath the complete footprint of the existing administration building.
  - iii. Any modifications that took place after completion of the 100% Construction Documents.
  - iv. Electrical / Technology cabling or other utilities within the Administration Building vertical shaft not terminated within the Administration building. (the intent of this component is to cover anything that may be “passing through” the administration building that could not have been found without individually tracing each individual utility – for example, if there is data cabling passing from the Main Terminal, through level 71, down the chase, going underground and then coming back into the Marriott, the Design Build team considers that a concealed condition.)
- r. This GMP includes a value for price escalation as a contingency to be used by the Design Builder for Subcontractors or Suppliers should they provide sufficient evidence validating their request.

Should the escalation contingency not be fully used, the Design Build team will return the unallocated portion to the Owner. The Design Builder has established the following table to identify when this contingency will expire if not utilized and to be returned to the Owner through deductive change order (or other contractual reallocation decided by the Owner):

<i>Escalation Value</i>	<i>Escalation Value Expiration:</i>
<i>\$250,000</i>	<i>9/30/22</i>
<i>\$325,000</i>	<i>1/31/23</i>
<i>\$336,000</i>	<i>Substantial Completion</i>

Should the Design Builder exceed this escalation contingency, the Design Builder will be responsible for excess price escalation up to \$300,000 (and is to be deducted from billable fee) above the initial value of \$911,000. After the \$300,000 is funded by the Design Builder, the Owner will evaluate any additional escalation that exceeds \$1,211,000 in the aggregate if presented by the Design Builder as a claim in accordance with the Contract. Should the original \$911,000 value and Design Builder's \$300,000 value be exceeded, the Design Builder may make a claim under the Contract for all amounts that exceed \$1,211,000 in the aggregate that it would otherwise be entitled to under the terms and conditions of the Contract. The Owner will evaluate any such claim in accordance with the terms and conditions of the Contract.

Any cost increase between the Design Builder's GMP value for the conveyance systems and the subcontractor's initial subcontract value will be paid for through the Owner's Allowance. After execution of the subcontract of the conveyance system, any escalation cost to that scope of work will be funded through the Design Builder's Escalation Contingency.

- s. Division 01 Specification Sections 01330 – Design Submittals, 01340 – Shop Drawings, Product Data, and Samples, and 01350 Building Information Modeling Requirements have been negotiated with the Owner and are hereby incorporated into the GMP. Please reference Attachment 01 – Div 01 Spec Edits – 21Apr2022 for details.

## **2.0 Contractor Allowances**

- a. Supplemental D includes a Contractor's Allowance for the remediation of contaminated soils and groundwater identified within the limits of construction for Red Side. No additional value is included in Supplemental E.
- b. Supplemental D includes values for Noise and Vibration Monitoring for noise and vibration causing work. Specific limits and thresholds for noise and vibration have not been established and will need to be coordinated with the Owner prior to the commencement of work. No additional value is included in Supplemental E.
- c. Allowances included in Supplemental D may also be used in Supplemental E.
- d. Floor Leveling: Scope of work includes leveling of the existing floor of the Transfer level after demolition of existing floor finishes. As the state of the existing slab under the finish is unknown, this allowance is to remediate any deficient surface in preparation of a new floor finish. This allowance applies to floor leveling in excess of 1/8" in 10' for flatness.
- e. Interior Signage Changes: Scope of work includes (1) Racetrack Signage Adjustments in Terminal; (2) removal/Adjustment of Red Express Interior Wayfinding Signage; (3) Addition of escalator pylon signs and warning plaque signs.
- f. Exterior Roadway Signage: Scope of work includes (1) Adjustments to roadway sign arrows; (2) Adjustments to over-height vehicle detection system; (3) Install headache bars in 3 locations.
- g. Interior Security Changes: Scope of work includes (1) Add battery backup redundancy to access controlled doors; (2) Modify camera angles to view rear Red Express public area doors.
- h. Concessions Space: Scope of work includes (1) Build-out white box permanent concession space for Host and SSP in arcade; (2) Purchase of equip/coolers for permanent concession space in Arcade for Host and SSP.
- i. Artwork Support: Scope of work includes support for 3 pieces of Art in Red Express and MTSP.
- j. This GMP does not include costs associated with any significant design modifications as a result of implementing Contractor Allowances AL02 – AL06. This GMP also does not include any additional time that may be required as a result of changes implemented through the use of Contractor Allowances.

HCAA acknowledges that requests for additional time associated with these changes shall be handled through the Change Order process as per the Prime Contract.

- k. Regarding Value Engineering, in collaboration with HCAA, this GMP includes the disposition of the following Value Engineering options (reference attached Value Engineering presentation 3/28/22):
  - i. VE 02: Included with Value Engineering at \$(20,000)
  - ii. VE 04: Option withdrawn by HPCC
  - iii. VE 05: Included with Value Engineering at \$(100,000)
  - iv. VE 06a: Included with Subcontractor Values
  - v. VE 08: Not currently priced (requires additional subcontractor input)
  - vi. VE 09: Included with Value Engineering at \$(56,000)
  - vii. VE 10: Included with Value Engineering at \$(45,000)
  - viii. VE 11: Included with Subcontractor Values
  - ix. VE 17: Included with Value Engineering at \$(10,000)
  - x. VE 18: Included with Value Engineering at \$(10,000)
  - xi. VE 21: Not currently priced (requires additional subcontractor input)  
\*\*Value Engineering items listed above not already included in subcontractor values shall be reconciled with the subcontractors once design revisions are made in the contract documents to incorporate the value engineering concepts.
- l. Contractor's Allowance Specification Section 01021-1.01.E: HCAA acknowledges that Hensel Phelps submission of a Request for Approval of lump sum cost of work associated with any trade will be accepted as formal reconciliation of cost. These requests are submitted prior to the commencement of work and no formal reconciliation of those specific costs will be required at the end of the scope.
- m. Contractor's Allowance Specification Section 01021-3.01.A: HCAA acknowledges that General Conditions, General Requirements, and design Construction Administration are allowable costs of the Allowance and were not included within the previously agreed to Lump Sum GC's, GR's, and design CA fee from Supplemental D, as approved by the Owner's Project Manager.

### **3.0 General Conditions / General Requirements:**

- a. General Conditions for Red Side were included in Supplemental D. No additional value for General Conditions were included in Supplemental E.
- b. The value to restore the current trailer complex area was included in a prior Supplement, and no additional value is included in this Supplemental E.
- c. The value to clean the storm drainage system beyond the limits of construction was included in a prior Supplement, and no additional value is included in this Supplemental E.

### **4.0 Red Side VCB:**

- a. Supplemental E does not include any provision for installation of future art work (by others).
- b. Supplemental E does not include a smoke evacuation system for the VCB, Marriott Arcade, or Transfer level expansion. The Authority Having Jurisdiction (AHJ) has approved and permitted the plans without a smoke evacuation system.
- c. At the completion of construction, Supplemental E includes the repaving (mill and overlay) of the existing service road. Scope includes the spot repair of sub-base damage caused by construction activities under this GMP. Replacement of the valley curb at the new loading dock is included. All curbs and gutters adjacent to the Marriott or FAA Building are excluded.
- d. Servicing of existing mechanical equipment, including any Test and Balance, will only be performed as expressly noted in the drawings.

- e. The routing path for future BHS equipment has been coordinated for general location only. There is no additional structural, architectural, or MEP infrastructure to support future BHS expansion through the Red VCB project. Supplemental E does not include the removal and replacement of any existing finishes for the BHS system, should the work be completed concurrent with the VCB construction.
- f. Supplemental E does not include any value to mitigate any existing building envelope or roofing issues, unless as expressly noted in the drawings.
- g. Supplemental E includes value to improve existing exterior finishes only as expressly noted in the drawings.
- h. Regarding Drilled Shaft Foundations, this Supplemental E includes a deviation from the Structural Drawings due to additional information in the Geotechnical report. The anticipated drilled shaft lengths at the VCB only have been shortened from the table on R-S800 to correspond to an anticipated top of competent rock at +2' to +4', per the Geotechnical report. This Supplemental E also includes a budget of \$140k for additional drilled shaft lengths that may be determined through the Pilot Hole program. The Drilled Shaft Foundations at the elevated roadways as shown in the drawings are unchanged.
- i. This Supplemental E is based on the use of Otis Elevators and Escalators which is different than the basis of design, but meets all applicable standards.
- j. Supplemental E includes the deferred scope of work around the Central Utility Plant from Supplemental A. The value of this deferred work is \$56,665 and included within the Site Development Contractor's scope of work.
- k. The scope of work for Furniture has been removed from this GMP. It is understood that the Owner will procure the complete furniture package, and that Hensel Phelps will fully coordinate with the Owner's contractor for their installation and integration of furniture with electrical and technology requirements.

## 5.0 **Main Terminal Shuttle Platform:**

- a. Supplemental E, as described by the drawing package noted above, represents the state of the design as coordinated with Bombardier/Alstom, with the following clarifications:
  - i. Control Room: There is no control room included
  - ii. Train Tube Pressurization: There are no special features included to actively manage train tube pressurization.
  - iii. Life Safety: No special considerations for life safety have been conveyed to the design team from Bombardier regarding the train tube design.
  - iv. The Bombardier system had not been procured or designed at the time of the design coordination. Any changes to what is already designed will be done via the change process outlined with the prime contract. The design on the MTSP has been coordinated with HCAA and Alstom to accommodate the minimum dimensions with a general 300R series vehicle as confirmed with a meeting on 10/29/21 between HCAA / HP / HNTB and Alstom. It is to be noted that there are different models & configurations associated with the 300R series which was unknown at the time of coordination. Any additional modifications to the structural, architectural or MEP design have not been included within this GMP.
- b. Supplemental E does not include any work associated with Bombardier, including the train tube active doors and breakaway doors.
- c. Supplemental E includes the finishes inside of the train tube to conceal the structure and provide adequate weatherproofing envelope for the platform. Temporary Walls to enclose the train tube will be removed and disposed of by Others.



First Class Customer Service / No Impact to Operations / Under Budget / Ahead of Schedule / Promote Sustainability

# TPA MTCE Supp E VE

March 28, 2022



Hillsborough County Aviation Authority  
Tampa International, Peter O. Knight,  
Plant City and Tampa Executive Airports

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March 28, 2022



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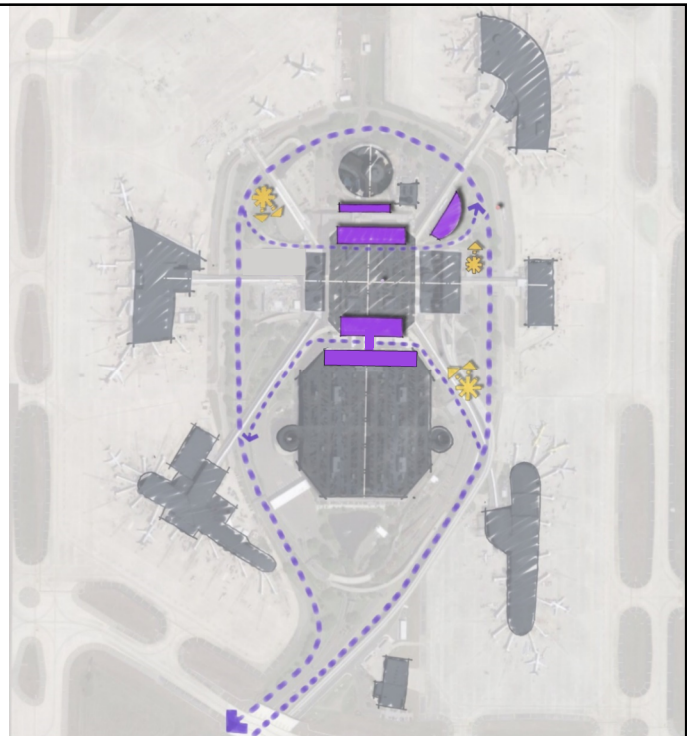
**HNTB**



1

## Agenda

1. Supplement E VE opportunities



2

# 1. VE opportunities



3

## VE Log

Identification of VE Idea (Section 1)			
VE #	Discipline	Description of Value Engineering Idea	Estimated Value
1	Architectural/Electrical	Remove HM4 & HM5 Light Fixtures at top of train tubes.	TBD
2	Electrical	Replace CE6 Light Fixture with alternate ( note that the light fixtures in the existing train tubes are 2x2 florescent fixtures)	TBD
3	Electrical	Alternate Fire Alarm Equipment.	\$150,000.00

\$1m and counting

4



## VE 01 Remove HM4 & HM5

EST \$150k

- Removal of specialty lighting fixtures and related DMX controller



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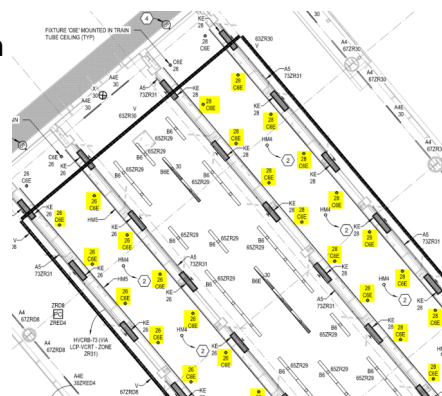
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## VE 02 Replace C6E Fixture with Alt

EST TBD

- Replace fixture type with fixtures that are more consistent with existing train tubes



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6

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## VE 03 Alternate Fire Alarm Equipment

EST \$350k

- Alternate Fire Alarm Equipment
- Use standalone Notifier System in lieu of JCI
  
- Do not recommend due to functionality loss and compatibility

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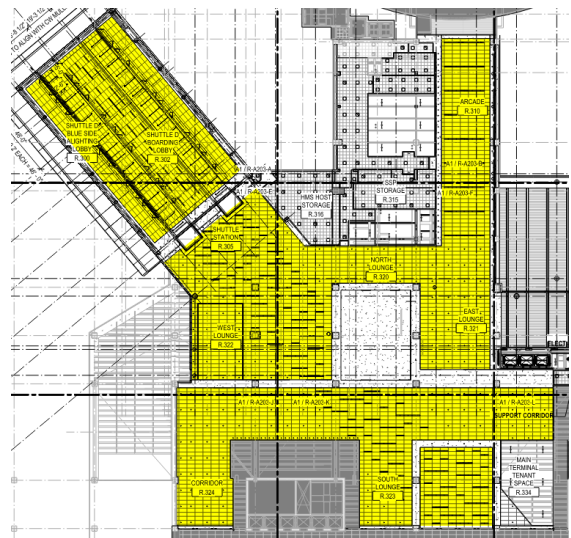
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7

## VE 11 Alternate Ceiling Panel Manufacturer

EST \$150k

- Alternate Material for metal ceiling panels at transfer level
- Already approved equal in specs



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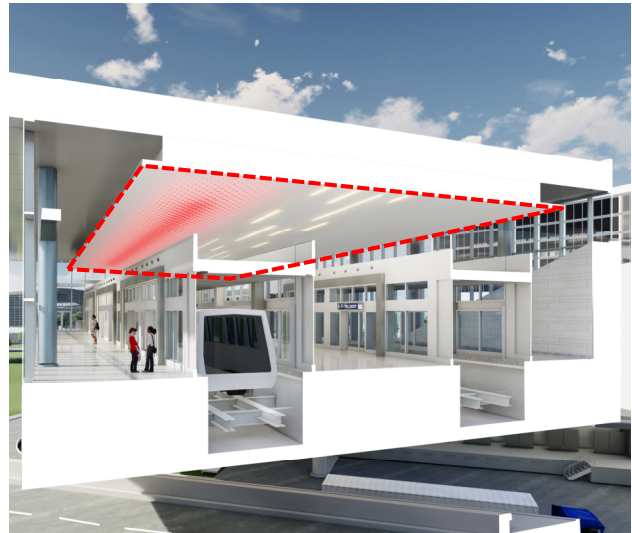
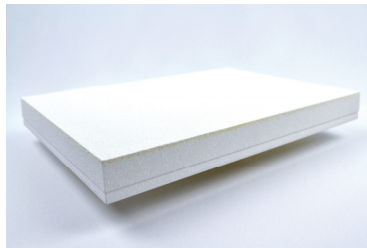
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## VE 04 Alternate Ceiling Product at MTSP

EST \$45k

- Switch from CL4 to alternate ceiling panel product Decoustics Claro 4x8'acoustical panels
- CL4 matches ceiling product installed in the rest of the main terminal
- Not compatible with VE 11



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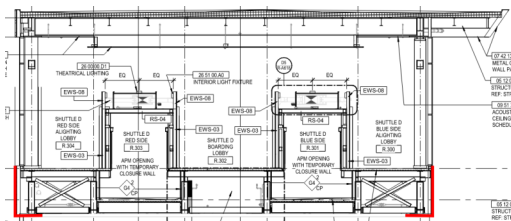
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## VE 05 MTSP Ceiling Revisions

EST TBD

- Revise materials and configuration of underside of MTSP



Approved to Explore 3/11



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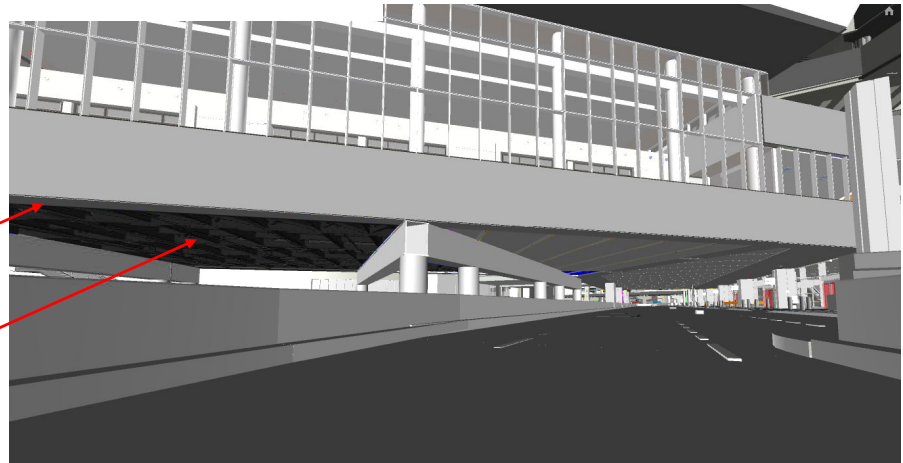
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# VE 05 MTSP Ceiling Revisions (cont.)

EST TBD

Metal panels wrap

Exposed ceiling  
(painted black)



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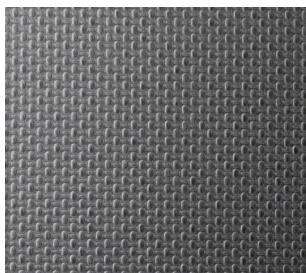
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# VE 06A MWP2 Alternate material

EST \$120K

Approved to Explore 3/11

- Substitute MWPs Replace McNichols with F+S "Fused Nickel Silver with Linen finish" (shown below)



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12

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## VE 08 Reduce Attic Stock

EST TBD

- Reduce or remove attic stock for products that were previously used on the BVCB or other MTCE projects

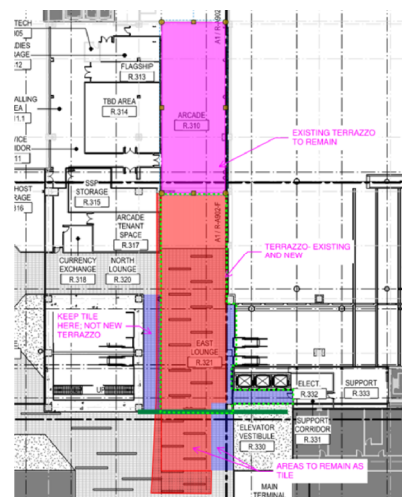
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## VE 09 Revise Terrazzo Extents

EST TBD

- Retain more of the terrazzo at the Marriott Arcade
- Reduces demo of terrazzo and amount of new tile

Approved to Explore 3/11

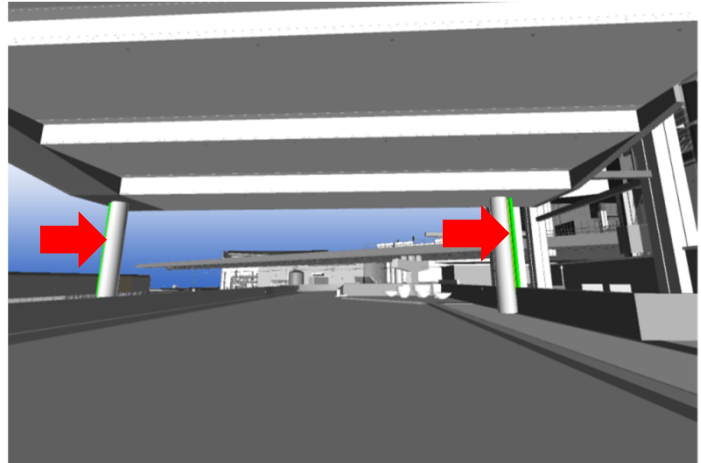


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## VE 10 Revise SS downspouts material

EST \$50k

- Revise SS downspouts at canopy to PTD PVC or Cast Iron



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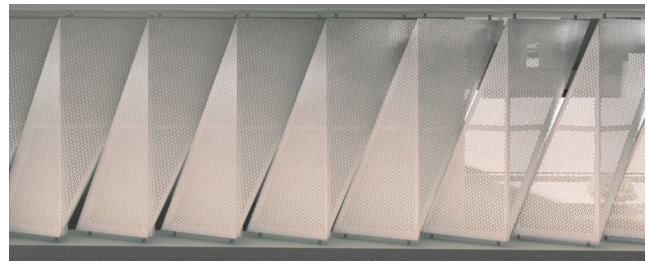
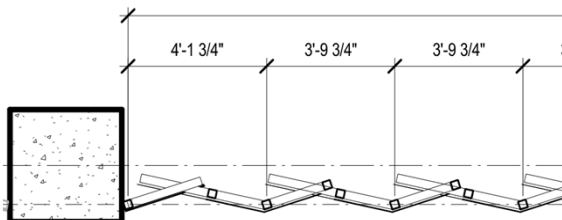
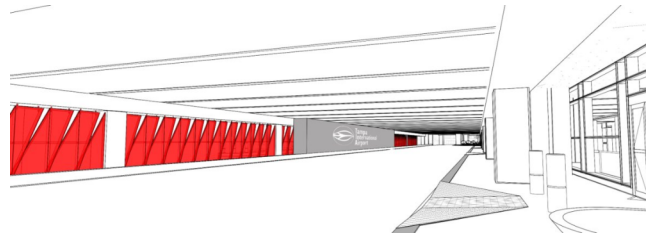
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15

## VE 13 Revised Screen Wall at Arrivals Drive

EST TBD

- Simplify Geometry of the Screen Wall from northern side of express arrivals drive



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**HNTB**



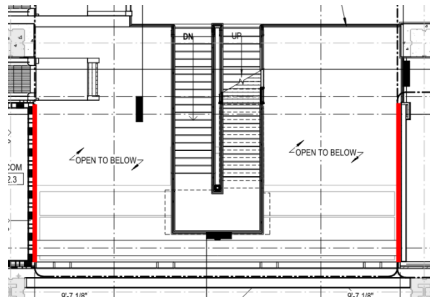
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## VE 14 Replace feature wall with back painted glass

EST \$40k

- Replace feature wall with back painted glass. No change to detailing.



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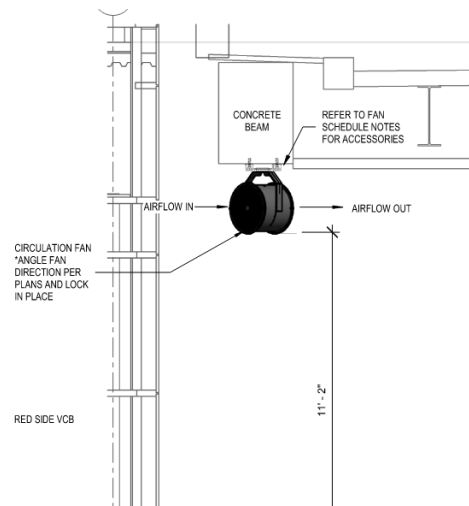
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17

## VE 17 Revise Electrical plan for curbside fans

EST TBD

- Run single circuit instead of individual circuits



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18

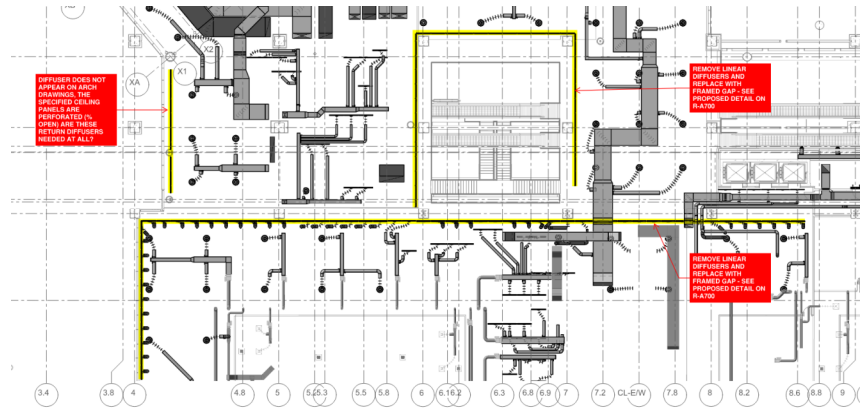
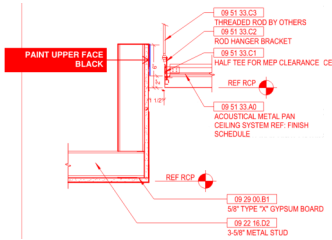
18



### VE 18 Revise extents of linear diffusers

EST TBD

- Reduce amount of linear diffusers
- Revise detail to incorporate gap without diffuser



TPA Main Terminal Curbside Expansion  
March 28, 2022



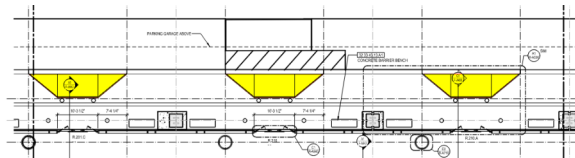
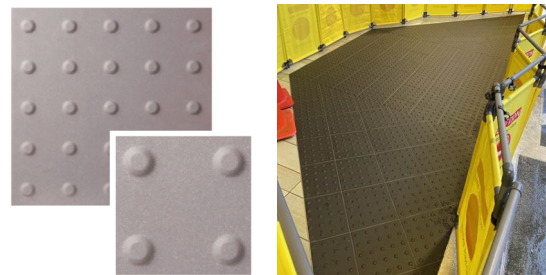
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### VE 21 Change tile type at ADA ramps

EST TBD

- Change T5 tile (ADA tile) type from specified Marazzi Tile to Elan tile at curbsides



TPA Main Terminal Curbside Expansion  
March 28, 2022



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# Previously Rejected VE Items

21

Rejected 3/11

## VE 06C Remove transom lites

EST TBD

- Replace transom lites with MWP1 panels



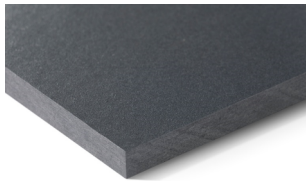
22

Rejected 3/11

### VE 06B MWP2 Alternate material

EST \$120K

- Substitute MWP2s Replace McNichols with Swiss Pearl fiber cement panel system



TPA Main Terminal Curbside Expansion  
March 28, 2022



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23

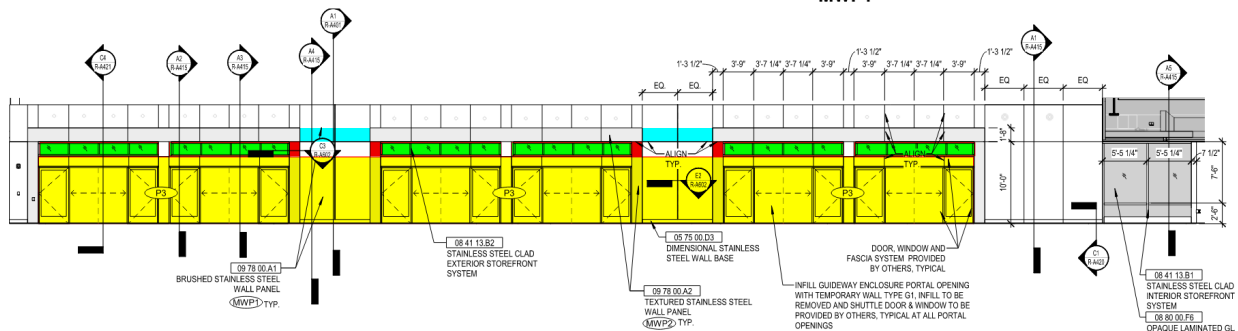
23

Rejected 3/11

### VE 06D Redesign Train Tube Elevations

EST \$400K (DEPENDING ON SELECTED ELEVATION REVISION)

- ALSTOM SCOPE
- ADD MWP2
- REMOVE MWP2 REPLACE WITH MWP1
- REMOVE GLAZING REPLACE WITH MWP1



TPA Main Terminal Curbside Expansion  
March 28, 2022



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24

24



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026														
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D			
<b>Tampa Intl. Airport- Main Terminal Curbside Expansion, N</b>					934	05-Nov-21 A	25-Aug-25																																																												
<b>PROJECT TIME TABLE SUMMARY</b>					870	05-Nov-21 A	27-May-25																																																												
<b>Contract Performance Requirements</b>					870	05-Nov-21 A	27-May-25																																																												
<b>Phase Hammocks &amp; Milestones in Calendar Days</b>					870	05-Nov-21 A	27-May-25																																																												
<b>Milestones</b>					806	25-Mar-22	27-May-25																																																												
TIME19	Supplemental E Substantially Complete	0		27-May-25	◆ Supplemental E Substantially Complete																																																														
Administration Building Demo					308	25-Mar-22	12-Jun-23																																																												
MLS-47	Sky Center Office Building Available (By Others)	0		25-Mar-22	◆ Sky Center Office Building Available (By Others)																																																														
MLS-50	Start Administration Building Demo	0	11-Jul-22*		◆ Start Administration Building Demo																																																														
MLS-52	Administration Building Demo Complete	0		12-Jun-23	◆ Administration Building Demo Complete																																																														
Marriott Arcade					493	11-Jul-22	17-Jun-24																																																												
MLS-49	Begin Marriott Arcade Modifications	0	11-Jul-22*		◆ Begin Marriott Arcade Modifications																																																														
MLS-55	Superstructure Complete	0		22-Sep-23	◆ Superstructure Complete																																																														
MLS-57	Dry-in Complete	0		17-Jun-24	◆ Dry-in Complete																																																														
Red Side Roadways					362	02-Sep-22	07-Feb-24																																																												
MLS-53	Begin Lower Roadways	0	02-Sep-22		◆ Begin Lower Roadways																																																														
MLS-51	Begin Upper Roadways	0	23-Jan-23		◆ Begin Upper Roadways																																																														
MLS-66	Upper Roadways Substantial Completion	0		16-Jan-24	◆ Upper Roadways Substantial Completion																																																														
MLS-68	Lower Roadways Substantial Completion	0		07-Feb-24	◆ Lower Roadways Substantial Completion																																																														
Airside D Shuttle Lobby					342	30-May-23	01-Oct-24																																																												
MLS-77	Start Airside D Shuttle Lobby	0	30-May-23		◆ Start Airside D Shuttle Lobby																																																														
MLS-54	Foundations Complete	0		26-Jun-23	◆ Foundations Complete																																																														
MLS-63	Superstructure Complete	0		01-Dec-23	◆ Superstructure Complete																																																														
MLS-64	Dry-in Complete	0		09-Jul-24	◆ Dry-in Complete																																																														
MLS-65	Exterior Skin Complete	0		01-Oct-24	◆ Exterior Skin Complete																																																														
Redside VCB					520	11-May-23	27-May-25																																																												
MLS-78	Start Red Curbside Expansion Foundations	0	11-May-23		◆ Start Red Curbside Expansion Foundations																																																														
MLS-56	Foundations Complete	0		20-Jul-23	◆ Foundations Complete																																																														
MLS-58	SOG Complete	0		15-Mar-24	◆ SOG Complete																																																														
MLS-60	Superstructure Complete	0		20-Mar-24	◆ Superstructure Complete																																																														

█ Remaining Level of Effort    █ Actual W...  
█ Actual Level of Effort    █ Remaini...

**MTCE Supplemental D & E**



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
MLS-61	Dry-in Complete	0		19-Jun-24																									◆ Dry-in Complete																																			
MLS-62	Exterior Skin Complete	0		11-Jul-24																									◆ Exterior Skin Complete																																			
MLS-72	Elevators & Escalators Complete	0		20-Jan-25																																					◆ Elevators & Escalators Complete																							
MLS-67	VCB Substantial Completion	0		27-May-25*																																					◆ VCB Substantial Completion																							
<b>Summary Cost</b>		<b>863</b>	<b>05-Nov-21 A</b>	<b>27-May-25</b>																																																												
<b>PRE-CONSTRUCTION PHASE</b>		<b>1</b>	<b>05-May-22</b>	<b>05-May-22</b>																																																												
<b>PROCUREMENT PHASE</b>		<b>838</b>	<b>11-Jan-22 A</b>	<b>11-Apr-25</b>																																																												
<b>CONSTRUCTION PHASE</b>		<b>914</b>	<b>07-Dec-21 A</b>	<b>25-Aug-25</b>																																																												
<b>Concession Support</b>		<b>88</b>	<b>07-Dec-21 A</b>	<b>26-May-22</b>																																																												
<b>Administration Building Demo</b>		<b>288</b>	<b>25-Mar-22</b>	<b>12-May-23</b>																																																												
ADM-DEM-25	Sky Center Office Building Available	0		25-Mar-22																									◆ Sky Center Office Building Available																																			
ADM-DEM-10	Relocate Personnel	70	28-Mar-22	05-Jul-22																									■ Relocate Personnel																																			
ADM-DEM-13	Authority Relocation of Admin Staff & Facilities Complete	0	11-Jul-22*																										◆ Authority Relocation of Admin Staff & Facilities Complete																																			
ADM-DEM-11	Office Furniture Relocation & Demo	40	11-Jul-22	02-Sep-22																									■ Office Furniture Relocation & Demo																																			
<b>Demolition</b>		<b>115</b>	<b>11-Jul-22</b>	<b>21-Dec-22</b>																																																												
ADM-DEM-12	Start Administration Building Demo	0	11-Jul-22*																										◆ Start Administration Building Demo																																			
ADM-DEM-34	Mezzanine Level 51 MEPF Systems Demolition	40	11-Jul-22	02-Sep-22																									■ Mezzanine Level 51 MEPF Systems Demolition																																			
ADM-DEM-37	Safe Off and Abatement of Admin Building	40	11-Jul-22	02-Sep-22																									■ Safe Off and Abatement of Admin Building																																			
ADM-DEM-18	Structural Demo Administration Building West (1.8 to 6 Line)	25	06-Sep-22	10-Oct-22																									■ Structural Demo Administration Building West (1.8 to 6 Line)																																			
ADM-DEM-19	Structural Demo Administration Building Central Below Marriott Arcade (6 to 8 Line)	25	11-Oct-22	14-Nov-22																									■ Structural Demo Administration Building Central Below Marriott Arcade (6 to 8 Line)																																			
ADM-DEM-20	Structural Demo Administration Building East (8 to 13 Line)	25	15-Nov-22	21-Dec-22																									■ Structural Demo Administration Building East (8 to 13 Line)																																			
<b>Bracing</b>		<b>55</b>	<b>11-Jul-22</b>	<b>26-Sep-22</b>																																																												
ADM-DEM-14	Install Temp Brace Baseplates to Columns 3-6	20	11-Jul-22	05-Aug-22																									■ Install Temp Brace Baseplates to Columns 3-6																																			
ADM-DEM-15	Install Temp Brace Baseplates to Columns 8-12	15	08-Aug-22	26-Aug-22																									■ Install Temp Brace Baseplates to Columns 8-12																																			
ADM-DEM-16	Install HSS Tubes to Baseplates 3-6	5	08-Aug-22	12-Aug-22																									■ Install HSS Tubes to Baseplates 3-6																																			
ADM-DEM-39	Demo and Install Temp Bracing at Column Line 10 between D and E Line	15	08-Aug-22	26-Aug-22																									■ Demo and Install Temp Bracing at Column Line 10 between D and E Line																																			
ADM-DEM-40	Structural Bracing Between 6 & 8	15	08-Aug-22	26-Aug-22																									■ Structural Bracing Between 6 & 8																																			
ADM-DEM-17	Install HSS Tubes to Baseplates 8-12	5	29-Aug-22	02-Sep-22																									■ Install HSS Tubes to Baseplates 8-12																																			
ADM-DEM-35	Install Bracing at 51 Level Interior	15	06-Sep-22	26-Sep-22																									■ Install Bracing at 51 Level Interior																																			
<b>Column Strengthening</b>		<b>150</b>	<b>11-Oct-22</b>	<b>12-May-23</b>																																																												

Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
ADM-DEM-22	Complete Column Strengthening West (To Underside of Parking)	50	11-Oct-22	21-Dec-22													█ Complete Column Strengthening West (To Underside of Parking)																																															
ADM-DEM-26	Complete Column Strengthening Central (To 54 Level)	50	22-Dec-22	03-Mar-23													█ Complete Column Strengthening Central (To 54 Level)																																															
ADM-DEM-21	Complete Column Strengthening East (To Underside of Parking)	50	06-Mar-23	12-May-23													█ Complete Column Strengthening East (To Underside of Parking)																																															
<b>Mariott Arcade Modifications</b>		<b>649</b>	<b>26-Oct-22</b>	<b>16-May-25</b>																																																												
<b>Demising Wall Phasing</b>		<b>649</b>	<b>26-Oct-22</b>	<b>16-May-25</b>																																																												
<b>Phase A(Sheet R-AP130A)</b>		<b>48</b>	<b>26-Oct-22</b>	<b>06-Jan-23</b>																																																												
MAM-DW-P1-10	Install Phase A1 Demising Walls	10	26-Oct-22	09-Nov-22													█ Install Phase A1 Demising Walls																																															
MAM-DW-P1-11	Demo Arcade Gallery Walls	5	09-Nov-22	16-Nov-22													█ Demo Arcade Gallery Walls																																															
MAM-DW-P1-12	Demo Arcade Gallery Ceiling	10	16-Nov-22	02-Dec-22													█ Demo Arcade Gallery Ceiling																																															
MAM-DW-P1-18	Complete New Axial Connections at Columns B & C @ 8 Line	5	02-Dec-22	09-Dec-22													█ Complete New Axial Connections at Columns B & C @ 8 Line																																															
MAM-DW-P1-13	Install Temporary Lighting	5	09-Dec-22	16-Dec-22													█ Install Temporary Lighting																																															
MAM-DW-P1-14	Install Temp Fire Alarm / MNS Devices	10	09-Dec-22	26-Dec-22													█ Install Temp Fire Alarm / MNS Devices																																															
MAM-DW-P1-15	Install Phase A2 Demising Walls	5	09-Dec-22	16-Dec-22													█ Install Phase A2 Demising Walls																																															
MAM-DW-P1-16	Patch Back Terrazzo for Future Restorations	5	26-Dec-22	03-Jan-23													█ Patch Back Terrazzo for Future Restorations																																															
MAM-DW-P1-19	Install Temp Finishes as Required	5	28-Dec-22	05-Jan-23													█ Install Temp Finishes as Required																																															
MAM-DW-P1-17	Final Clean for Passenger Occupancy	3	03-Jan-23	06-Jan-23													█ Final Clean for Passenger Occupancy																																															
<b>Phase B(Sheet R-AP130B)</b>		<b>466</b>	<b>06-Jan-23</b>	<b>04-Nov-24</b>																																																												
MAM-DW-P2-10	Install Phase B1 Demising Walls	10	06-Jan-23	20-Jan-23													█ Install Phase B1 Demising Walls																																															
MAM-DW-P2-11	Make Safe MEPF Systems for Select Demolition	5	20-Jan-23	27-Jan-23													█ Make Safe MEPF Systems for Select Demolition																																															
MAM-DW-P2-12	Demo All Existing Tenant Spaces Walls & Ceilings	15	27-Jan-23	17-Feb-23													█ Demo All Existing Tenant Spaces Walls & Ceilings																																															
MAM-DW-P2-13	Demo as Required MEPF Systems	15	17-Feb-23	10-Mar-23													█ Demo as Required MEPF Systems																																															
MAM-DW-P2-14	Install Phase B2 Demising Walls	5	17-Mar-23	24-Mar-23													█ Install Phase B2 Demising Walls																																															
MAM-DW-P2-15	Demo Demising Walls Phase B2	5	22-Sep-23	29-Sep-23													█ Demo Demising Walls Phase B2																																															
MAM-DW-P2-16	Demo Demising Walls Phase B1	5	29-Oct-24	04-Nov-24													█ Demo Demising Walls Phase B1																																															
<b>Phase C(Sheet R-AP130C)</b>		<b>257</b>	<b>08-Aug-23</b>	<b>09-Aug-24</b>																																																												
MAM-DW-P3-10	Install Exterior Rated Dismissing Wall - Phase C1	15	08-Aug-23	28-Aug-23													█ Install Exterior Rated Dismissing Wall - Phase C1																																															
MAM-DW-P3-11	Select Structural Demo of Facade at Main Terminal Transfer and 71 Level	15	29-Aug-23	19-Sep-23													█ Select Structural Demo of Facade at Main Terminal Transfer and 71 Level																																															
MAM-DW-P3-15	Install Fire Main at Existing Mariott Coridor	15	20-Sep-23	10-Oct-23													█ Install Fire Main at Existing Mariott Coridor																																															
MAM-DW-P3-12	Install Exterior Rated Dismissing Wall - Phase C2	15	11-Oct-23	31-Oct-23													█ Install Exterior Rated Dismissing Wall - Phase C2																																															
MAM-DW-P3-13	Select Structural Demo of Facade at Main Terminal Transfer and 71 Level 3B	15	01-Nov-23	21-Nov-23													█ Select Structural Demo of Facade at Main Terminal Transfer and 71 Level 3B																																															

█ Remaining Level of Effort     █ Actual W...  
█ Actual Level of Effort     █ Remaini...





Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
MAM-DW-P3-14	Demo Demising Walls Phases C1 & C2	5	05-Aug-24	09-Aug-24																																					Demo Demising Walls Phases C1 & C2																							
<b>Phases D &amp; E (Sheet R-AP130D &amp; 130E)</b>		261	08-May-24	16-May-25																																																												
MAM-DW-P4-10	Install Exterior Rated Demissing Wall at Transfer Level Arcade	2	08-May-24	09-May-24																																					Install Exterior Rated Demissing Wall at Transfer Level Arcade																							
MAM-DW-P4-12	MEP O/H Rough-in	8	10-May-24	21-May-24																																					MEP O/H Rough-in																							
MAM-DW-P4-13	Frame Hardlid Ceilings	5	15-May-24	21-May-24																																					Frame Hardlid Ceilings																							
MAM-DW-P4-14	Hang Tape Finish Hardlids	5	22-May-24	29-May-24																																					Hang Tape Finish Hardlids																							
MAM-DW-P4-15	Install Metal Ceiling	10	30-May-24	12-Jun-24																																					Install Metal Ceiling																							
MAM-DW-P4-16	Install OH Ceiling Trim	3	13-Jun-24	17-Jun-24																																					Install OH Ceiling Trim																							
MAM-DW-P4-11	Demo Demising Walls at West Side of Arcade	5	18-Jun-24	24-Jun-24																																					Demo Demising Walls at West Side of Arcade																							
MAM-DW-P4-18	Install Phase E Walls	5	18-Jun-24	24-Jun-24																																					Install Phase E Walls																							
MAM-DW-P4-17	Demo Remaining Demising Walls & Install Temp Movable	5	12-May-25	16-May-25																																					Demo Remaining Demising Walls & Install																							
<b>Foundation Modifications</b>		118	30-Jan-23	14-Jul-23																																																												
ADM-DEM-36	Pre-Drill & Tip Elevations	15	30-Jan-23	17-Feb-23																																					Pre-Drill & Tip Elevations																							
ADM-DEM-27	Install Drilled Shafts B7 to 8 Line	5	20-Feb-23	24-Feb-23																																					Install Drilled Shafts B7 to 8 Line																							
ADM-DEM-28	FRP Grade Beam at B7 to 8 Line	5	27-Feb-23	03-Mar-23																																					FRP Grade Beam at B7 to 8 Line																							
ADM-DEM-38	Install Earth Anchors for Predeflection	5	27-Feb-23	03-Mar-23																																					Install Earth Anchors for Predeflection																							
ADM-DEM-30	Install Drilled Shafts B6 to 7 Line	5	12-Jun-23	19-Jun-23																																					Install Drilled Shafts B6 to 7 Line																							
ADM-DEM-31	FRP Pile Cap at B6	3	19-Jun-23	22-Jun-23																																					FRP Pile Cap at B6																							
ADM-DEM-32	FRP Grade Beam from B6 to 7	5	22-Jun-23	29-Jun-23																																					FRP Grade Beam from B6 to 7																							
ADM-DEM-33	FRP B6 Column	10	29-Jun-23	14-Jul-23																																					FRP B6 Column																							
<b>Superstructure</b>		142	06-Mar-23	22-Sep-23																																																												
MAM-SS-10	Set Structural Steel Members Phase 1 Beneath Transfer Level Marriott Arcade	10	06-Mar-23	17-Mar-23																																					Set Structural Steel Members Phase 1 Beneath Transfer Level Marriott Arcade																							
MAM-SS-11	Install Diagonal Bracing at Grid Line B	5	10-Mar-23	17-Mar-23																																					Install Diagonal Bracing at Grid Line B																							
MAM-SS-12	Remove Temporary Bracing for Non Arcade Columns	5	17-Mar-23	24-Mar-23																																					Remove Temporary Bracing for Non Arcade Columns																							
MAM-SS-13	Set Structural Steel Members Phase 1 Beneath Level 71 at Marriott Arcade	5	20-Mar-23	24-Mar-23																																					Set Structural Steel Members Phase 1 Beneath Level 71 at Marriott Arcade																							
MAM-SS-14	Pre Load Phase 1 Steel Structure	5	24-Mar-23	31-Mar-23																																					Pre Load Phase 1 Steel Structure																							
MAM-SS-15	Connect Existing Structure to Pre Deflected Phase 1 Steel Members	10	31-Mar-23	14-Apr-23																																					Connect Existing Structure to Pre Deflected Phase 1 Steel Members																							
MAM-SS-16	Level 71 Demo at Shearwall & Floorplate	15	17-Apr-23	05-May-23																																					Level 71 Demo at Shearwall & Floorplate																							
MAM-SS-18	Transfer Level Floor Demo at Shearwall and Floorplate	15	08-May-23	26-May-23																																					Transfer Level Floor Demo at Shearwall and Floorplate																							
MAM-SS-17	Remove HSS Support Braces and Grout Back Baseplate Pockets	10	15-May-23	26-May-23																																					Remove HSS Support Braces and Grout Back Baseplate Pockets																							

█ Remaining Level of Effort    █ Actual W...  
█ Actual Level of Effort    █ Remaini...



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
MAM-SS-19	Structural Demo Admin Building Elevator and Stair Core (Incl B6 and All C Line Columns)	10	26-May-23	12-Jun-23													■ Structural Demo Admin Building Elevator and Stair Core (Incl B6 and All C Line Columns)																																															
MAM-SS-20	Administration Building Demo Complete	0		12-Jun-23													◆ Administration Building Demo Complete																																															
MAM-SS-21	Erect Structural Steel and Metal Deck at Transfer Level Phase 2	15	17-Jul-23	04-Aug-23																									■ Erect Structural Steel and Metal Deck at Transfer Level Phase 2																																			
MAM-SS-22	F/R/P SOMD at Transfer Level and Complete Pourbacks at Escalator Opening	10	07-Aug-23	18-Aug-23																									■ F/R/P SOMD at Transfer Level and Complete Pourbacks at Escalator Opening																																			
MAM-SS-23	Erect Structural Steel and Metal Deck at Level 71 Phase 2	15	21-Aug-23	08-Sep-23																									■ Erect Structural Steel and Metal Deck at Level 71 Phase 2																																			
MAM-SS-24	F/R/P SOMD at Level 71 Roof	10	11-Sep-23	22-Sep-23																									■ F/R/P SOMD at Level 71 Roof																																			
<b>VCB Red Vertical Circulation Bldg.</b>		<b>623</b>	<b>17-Mar-23</b>	<b>25-Aug-25</b>																																																												
<b>Red Vertical Circulation Bldg. Foundations &amp; UG MEPs</b>		<b>254</b>	<b>17-Mar-23</b>	<b>15-Mar-24</b>																																																												
<b>VCB Foundations</b>		<b>254</b>	<b>17-Mar-23</b>	<b>15-Mar-24</b>																																																												
RD-FND-26	Geo Technical Investigation	25	17-Mar-23	20-Apr-23													■ Geo Technical Investigation																																															
RD-FND-27	Pilot Hole Program	10	21-Apr-23	04-May-23													■ Pilot Hole Program																																															
RD-FND-11	Prepare Building Pad	2	05-May-23	08-May-23													Prepare Building Pad																																															
RD-FND-14	Establish Final Tip Elevations	2	05-May-23	08-May-23													Establish Final Tip Elevations																																															
RD-FND-25	Mobilize Deep Foundation Contractor	2	09-May-23	10-May-23													Mobilize Deep Foundation Contractor																																															
RD-FND-15	Fab & Deliver Drilled Shaft Reinforcing Cages	3	10-May-23	12-May-23													Fab & Deliver Drilled Shaft Reinforcing Cages																																															
RD-FND-16	Layout Drilled Shaft Foundation	2	11-May-23	12-May-23													Layout Drilled Shaft Foundation																																															
RD-FND-10	Start Red Curbside Expansion Foundations	0	11-May-23														◆ Start Red Curbside Expansion Foundations																																															
Column Line 10.2 to 8.2		<b>184</b>	<b>15-May-23</b>	<b>05-Feb-24</b>																																																												
RD-FND-17	Install Drilled Shaft Foundation	10	15-May-23	26-May-23													■ Install Drilled Shaft Foundation																																															
RD-FND-18	Layout Grade Beams /Pile Caps	3	30-May-23	01-Jun-23													Layout Grade Beams /Pile Caps																																															
RD-FND-44	Excavate Pile Caps & Grade Beams	10	22-Jun-23	06-Jul-23													■ Excavate Pile Caps & Grade Beams																																															
RD-FND-19	Pile Cut Off and Spoil Removal	10	29-Jun-23	13-Jul-23													■ Pile Cut Off and Spoil Removal																																															
RD-FND-20	RP Pile Caps & Grade Beams	10	07-Jul-23	20-Jul-23													■ RP Pile Caps & Grade Beams																																															
RD-FND-21	Rough Grade SOG	5	09-Jan-24	15-Jan-24																									■ Rough Grade SOG																																			
RD-FND-22	Electrical Rough-in SOG	10	16-Jan-24	29-Jan-24																									■ Electrical Rough-in SOG																																			
RD-FND-23	Plumbing Rough-in SOG	10	16-Jan-24	29-Jan-24																									■ Plumbing Rough-in SOG																																			
RD-FND-24	FRP SOG	5	30-Jan-24	05-Feb-24																									■ FRP SOG																																			
Elevator Foundations		<b>40</b>	<b>30-May-23</b>	<b>25-Jul-23</b>																																																												
RD-FND-ELV-10	Layout Elevator Pit	1	30-May-23	30-May-23													Layout Elevator Pit																																															
RD-FND-ELV-17	Install Sheet Pile	5	31-May-23	06-Jun-23													■ Install Sheet Pile																																															

■ Remaining Level of Effort    ■ Actual W...  
■ Actual Level of Effort    ■ Remaini...



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FND-ELV-18	Install Well Points / Dewater	5	07-Jun-23	13-Jun-23													■ Install Well Points / Dewater																																															
RD-FND-ELV-11	Excavate Pit Bottom	3	14-Jun-23	16-Jun-23													■ Excavate Pit Bottom																																															
RD-FND-ELV-19	Chip Shafts	3	19-Jun-23	21-Jun-23													■ Chip Shafts																																															
RD-FND-ELV-12	Waterproof Pit Bottom	5	22-Jun-23	28-Jun-23													■ Waterproof Pit Bottom																																															
RD-FND-ELV-13	FRP Elevator Pit Bottom	8	29-Jun-23	11-Jul-23													■ FRP Elevator Pit Bottom																																															
RD-FND-ELV-14	FRP Elevator Pit Walls	5	12-Jul-23	18-Jul-23													■ FRP Elevator Pit Walls																																															
RD-FND-ELV-15	Waterproof Elevator Walls	2	19-Jul-23	20-Jul-23													■ Waterproof Elevator Walls																																															
RD-FND-ELV-16	Backfill & Grade Elevator	3	21-Jul-23	25-Jul-23													■ Backfill & Grade Elevator																																															
Escalator Foundations		32	16-Jun-23	01-Aug-23																																																												
RD-FND-ECL-10	Layout Escalator Pit	1	16-Jun-23	16-Jun-23													■ Layout Escalator Pit																																															
RD-FND-ECL-11	Excavate Pit Bottom	3	19-Jun-23	21-Jun-23													■ Excavate Pit Bottom																																															
RD-FND-ECL-12	Chip Shafts	3	29-Jun-23	03-Jul-23													■ Chip Shafts																																															
RD-FND-ECL-13	Waterproof Pit Bottom	5	05-Jul-23	11-Jul-23													■ Waterproof Pit Bottom																																															
RD-FND-ECL-14	FRP Escalator Pit Bottom	5	12-Jul-23	18-Jul-23													■ FRP Escalator Pit Bottom																																															
RD-FND-ECL-15	FRP Escalator Pit Walls	5	19-Jul-23	25-Jul-23													■ FRP Escalator Pit Walls																																															
RD-FND-ECL-16	Waterproof Escalator Walls	2	26-Jul-23	27-Jul-23													■ Waterproof Escalator Walls																																															
RD-FND-ECL-17	Backfill & Grade Escalator	3	28-Jul-23	01-Aug-23													■ Backfill & Grade Escalator																																															
Column Line 8.2 to 6.2		169	13-Jun-23	12-Feb-24																																																												
RD-FND-45	Install Drilled Shaft Foundation	10	13-Jun-23	26-Jun-23													■ Install Drilled Shaft Foundation																																															
RD-FND-46	Layout Grade Beams /Pile Caps	3	20-Jun-23	22-Jun-23													■ Layout Grade Beams /Pile Caps																																															
RD-FND-47	Excavate Pile Caps & Grade Beams	10	20-Jun-23	03-Jul-23													■ Excavate Pile Caps & Grade Beams																																															
RD-FND-48	Pile Cut Off and Spoil Removal	10	05-Jul-23	18-Jul-23													■ Pile Cut Off and Spoil Removal																																															
RD-FND-49	RP Pile Caps & Grade Beams	10	04-Aug-23	17-Aug-23													■ RP Pile Caps & Grade Beams																																															
RD-FND-50	Rough Grade SOG	5	16-Jan-24	22-Jan-24																									■ Rough Grade SOG																																			
RD-FND-51	Electrical Rough-in SOG	10	23-Jan-24	05-Feb-24																									■ Electrical Rough-in SOG																																			
RD-FND-52	Plumbing Rough-in SOG	10	23-Jan-24	05-Feb-24																									■ Plumbing Rough-in SOG																																			
RD-FND-53	FRP SOG	5	06-Feb-24	12-Feb-24																									■ FRP SOG																																			
Column Line 6.2 to 4.2		203	30-May-23	15-Mar-24																																																												
RD-FND-54	Install Drilled Shaft Foundation	10	30-May-23	12-Jun-23													■ Install Drilled Shaft Foundation																																															
RD-FND-55	Layout Grade Beams /Pile Caps	3	06-Jun-23	08-Jun-23													■ Layout Grade Beams /Pile Caps																																															

■ Remaining Level of Effort    ■ Actual W...  
■ Actual Level of Effort    ■ Remaini...



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FND-56	Excavate Pile Caps & Grade Beams	10	06-Jun-23	19-Jun-23													█ Excavate Pile Caps & Grade Beams																																															
RD-FND-57	Pile Cut Off and Spoil Removal	10	20-Jun-23	03-Jul-23													█ Pile Cut Off and Spoil Removal																																															
RD-FND-58	RP Pile Caps & Grade Beams	10	21-Jul-23	03-Aug-23													█ RP Pile Caps & Grade Beams																																															
RD-FND-59	Rough Grade SOG	5	19-Feb-24	23-Feb-24																									█ Rough Grade SOG																																			
RD-FND-60	Electrical Rough-in SOG	10	26-Feb-24	08-Mar-24																									█ Electrical Rough-in SOG																																			
RD-FND-61	Plumbing Rough-in SOG	10	26-Feb-24	08-Mar-24																									█ Plumbing Rough-in SOG																																			
RD-FND-62	FRP SOG	5	11-Mar-24	15-Mar-24																									█ FRP SOG																																			
Escalator Foundations		27	30-Jun-23	08-Aug-23																																																												
RD-FND-ECL-18	Layout Escalator Pit	1	30-Jun-23	30-Jun-23													█ Layout Escalator Pit																																															
RD-FND-ECL-19	Excavate Pit Bottom	3	03-Jul-23	06-Jul-23													█ Excavate Pit Bottom																																															
RD-FND-ECL-20	Chip Shafts	3	07-Jul-23	11-Jul-23													█ Chip Shafts																																															
RD-FND-ECL-21	Waterproof Pit Bottom	5	12-Jul-23	18-Jul-23													█ Waterproof Pit Bottom																																															
RD-FND-ECL-22	FRP Escalator Pit Bottom	5	19-Jul-23	25-Jul-23													█ FRP Escalator Pit Bottom																																															
RD-FND-ECL-23	FRP Escalator Pit Walls	5	26-Jul-23	01-Aug-23													█ FRP Escalator Pit Walls																																															
RD-FND-ECL-24	Waterproof Escalator Walls	2	02-Aug-23	03-Aug-23													█ Waterproof Escalator Walls																																															
RD-FND-ECL-25	Backfill & Grade Escalator	3	04-Aug-23	08-Aug-23													█ Backfill & Grade Escalator																																															
<b>Red Vertical Circulation Bldg. Superstructure</b>		214	26-Jul-23	28-May-24																																																												
<b>Column Line 10.2 to 8.2</b>		114	26-Jul-23	08-Jan-24																																																												
Departures		111	26-Jul-23	03-Jan-24																																																												
RD-SS-DP-10	Start BVCB Superstructure	0	26-Jul-23														◆ Start BVCB Superstructure																																															
RD-SS-DP-11	FRP Shear Walls to Departures Level	14	26-Jul-23	14-Aug-23													█ FRP Shear Walls to Departures Level																																															
RD-SS-DP-12	Set Departure Level Steel Columns & Beams	10	21-Sep-23	04-Oct-23													█ Set Departure Level Steel Columns & Beams																																															
RD-SS-DP-13	Deck and Detail Steel	5	05-Oct-23	11-Oct-23													█ Deck and Detail Steel																																															
RD-SS-DP-14	FRP Departure Level SOMD	5	28-Nov-23	04-Dec-23													█ FRP Departure Level SOMD																																															
RD-SS-DP-15	Connection Slab	20	05-Dec-23	03-Jan-24													█ Connection Slab																																															
Transfer Level		100	15-Aug-23	08-Jan-24																																																												
RD-SS-TR-20	FRP Shear Walls to Transfer Level	13	15-Aug-23	31-Aug-23													█ FRP Shear Walls to Transfer Level																																															
RD-SS-TR-21	Set Transfer Level Steel Columns & Beams	10	12-Oct-23	25-Oct-23													█ Set Transfer Level Steel Columns & Beams																																															
RD-SS-TR-22	Deck and Detail Steel	5	26-Oct-23	01-Nov-23													█ Deck and Detail Steel																																															
RD-SS-TR-23	Roof Penetrations	2	02-Nov-23	03-Nov-23													█ Roof Penetrations																																															

█ Remaining Level of Effort    █ Actual W...  
█ Actual Level of Effort    █ Remaini...









Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>East Elevation</b>																																																																
RD-SK-W-22	Frame Gutter Walls	10	22-Nov-23	19-Apr-24																									■ Frame Gutter Walls																																			
RD-SK-W-23	Exterior Insulation / Waterproofing at Gutter	5	25-Mar-24	29-Mar-24																									■ Exterior Insulation / Waterproofing at Gutter																																			
RD-SK-W-24	Install Metal Panel Wall System at Gutter	5	01-Apr-24	05-Apr-24																									■ Install Metal Panel Wall System at Gutter																																			
RD-SK-W-20	Set Curtainwall System	10	08-Apr-24	19-Apr-24																									■ Set Curtainwall System																																			
RD-SK-W-21	Install Facade Caulking & Trim	7	09-Apr-24	17-Apr-24																									■ Install Facade Caulking & Trim																																			
<b>North Elevation</b>																																																																
RD-SK-N-15	Red VCB Escalators 1 & 3 Deliver & Stage	0		01-Feb-24																									◆ Red VCB Escalators 1 & 3 Deliver & Stage																																			
RD-SK-N-10	Layout Curtainwall/ Mobilize Glazing Sub	2	06-Feb-24	07-Feb-24																									■ Layout Curtainwall/ Mobilize Glazing Sub																																			
RD-SK-N-11	Install Curtainwall System 10.2 to 8.2	15	08-Feb-24	28-Feb-24																									■ Install Curtainwall System 10.2 to 8.2																																			
RD-SK-N-12	Install Curtainwall System 8.2 to 6.2	15	29-Feb-24	20-Mar-24																									■ Install Curtainwall System 8.2 to 6.2																																			
RD-SK-N-13	Install Curtainwall System 6.2 to 4.2	15	18-Mar-24	05-Apr-24																									■ Install Curtainwall System 6.2 to 4.2																																			
RD-SK-N-14	Low Voltage Rough-in at Storefront Doors	15	21-Mar-24	10-Apr-24																									■ Low Voltage Rough-in at Storefront Doors																																			
RD-SK-N-16	Install Stucco System & Rough-Ins at Soffit	40	04-Apr-24	30-May-24																									■ Install Stucco System & Rough-Ins at Soffit																																			
RD-SK-N-19	Set Storefront Doors	10	11-Apr-24	24-Apr-24																									■ Set Storefront Doors																																			
RD-SK-N-18	Install Curtainwall / Storefront Caulking & Trim	15	18-Apr-24	08-May-24																									■ Install Curtainwall / Storefront Caulking & Trim																																			
<b>West Elevation</b>																																																																
RD-SK-W-14	Set Curtainwall System	10	25-Apr-24	08-May-24																									■ Set Curtainwall System																																			
RD-SK-W-16	Install Curtainwall Caulking & Trim	7	09-May-24	17-May-24																									■ Install Curtainwall Caulking & Trim																																			
<b>South Elevation</b>																																																																
RD-SK-S-10	Frame Exterior Walls	10	18-Mar-24	29-Mar-24																									■ Frame Exterior Walls																																			
RD-SK-S-11	Exterior Insulation / Waterproofing	10	01-Apr-24	12-Apr-24																									■ Exterior Insulation / Waterproofing																																			
RD-SK-S-12	Frame Exterior Walls	15	01-Apr-24	19-Apr-24																									■ Frame Exterior Walls																																			
RD-SK-S-14	Install Metal Panel Wall System	20	15-Apr-24	10-May-24																									■ Install Metal Panel Wall System																																			
RD-SK-S-15	Exterior Insulation / Waterproofing	10	22-Apr-24	03-May-24																									■ Exterior Insulation / Waterproofing																																			
RD-SK-S-16	Install Stucco System & Rough-Ins at 2 Soffits	20	22-Apr-24	17-May-24																									■ Install Stucco System & Rough-Ins at 2 Soffits																																			
RD-SK-S-19	Install Curtainwall System	15	13-May-24	03-Jun-24																									■ Install Curtainwall System																																			
RD-SK-S-17	Install Metal Panel Wall System	30	20-May-24	01-Jul-24																									■ Install Metal Panel Wall System																																			
RD-SK-S-21	Install Caulking & Trim	7	02-Jul-24	11-Jul-24																									■ Install Caulking & Trim																																			
<b>Marriott Arcade Facade</b>																																																																

■ Remaining Level of Effort    ■ Actual W...  
■ Actual Level of Effort    ■ Remaini...



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-SK-MA-10	East Facade Curtainwall Replacement	10	04-Jun-24	17-Jun-24																									■ East Facade Curtainwall Replacement																																			
RD-SK-MA-11	West Facade Exterior Wall System	20	02-Jul-24	30-Jul-24																									■ West Facade Exterior Wall System																																			
<b>ESB North Elevation</b>		20	22-Apr-24	17-May-24																																																												
RD-SK-ESB-10	Install Metal Panel System	20	22-Apr-24	17-May-24																									■ Install Metal Panel System																																			
<b>Roofing</b>		32	06-May-24	19-Jun-24																																																												
RD-RF-10	Demo & Replace Marriott Arcade Roofing	10	06-May-24	17-May-24																									■ Demo & Replace Marriott Arcade Roofing																																			
RD-RF-11	Install Roof Systems (Incl Gutter)	20	20-May-24	17-Jun-24																									■ Install Roof Systems (Incl Gutter)																																			
RD-RF-12	Inspection of Roof Systems	2	18-Jun-24	19-Jun-24																									■ Inspection of Roof Systems																																			
RD-RF-13	Red Side - Dry-in	0		19-Jun-24																									◆ Red Side - Dry-in																																			
<b>Red Vertical Circulation Bldg. Infrastructure &amp; MEPF Rough-in &amp; Equipment</b>		166	14-Mar-24	05-Nov-24																																																												
<b>Arrival Level</b>		78	18-Mar-24	05-Jul-24																																																												
East Concourse		68	18-Mar-24	20-Jun-24																																																												
RD-IF-ARE-10	Layout Walls / Top Track	5	18-Mar-24	22-Mar-24																									■ Layout Walls / Top Track																																			
RD-IF-ARE-11	Install Fire Sprinkler Hangers	5	25-Mar-24	29-Mar-24																									■ Install Fire Sprinkler Hangers																																			
RD-IF-ARE-12	Install Duct / CHW Hangers	5	26-Mar-24	01-Apr-24																									■ Install Duct / CHW Hangers																																			
RD-IF-ARE-13	Install Plumbing Hangers	5	27-Mar-24	02-Apr-24																									■ Install Plumbing Hangers																																			
RD-IF-ARE-14	Install Electrical Hangers	5	28-Mar-24	03-Apr-24																									■ Install Electrical Hangers																																			
RD-IF-ARE-15	Install Fireproofing Arrival	5	04-Apr-24	10-Apr-24																									■ Install Fireproofing Arrival																																			
RD-IF-ARE-16	Plumbing OH Rough-in	5	11-Apr-24	17-Apr-24																									■ Plumbing OH Rough-in																																			
RD-IF-ARE-17	Duct & CHW OH Rough-in	10	18-Apr-24	01-May-24																									■ Duct & CHW OH Rough-in																																			
RD-IF-ARE-18	Fire Sprinkler Mains & Branch Line Rough-in	10	02-May-24	15-May-24																									■ Fire Sprinkler Mains & Branch Line Rough-in																																			
RD-IF-ARE-19	Electrical OH Rough-in	10	16-May-24	30-May-24																									■ Electrical OH Rough-in																																			
RD-IF-ARE-20	Low Voltage Rough-in Ceilings	10	16-May-24	30-May-24																									■ Low Voltage Rough-in Ceilings																																			
RD-IF-ARE-21	Frame & Top Down Interior Walls	5	31-May-24	06-Jun-24																									■ Frame & Top Down Interior Walls																																			
RD-IF-ARE-22	Install HM Door Frames	5	31-May-24	06-Jun-24																									■ Install HM Door Frames																																			
RD-IF-ARE-25	Frame Hard Lid Ceilings	10	31-May-24	13-Jun-24																									■ Frame Hard Lid Ceilings																																			
RD-IF-ARE-23	Electrical Rough-in Walls	5	07-Jun-24	13-Jun-24																									■ Electrical Rough-in Walls																																			
RD-IF-ARE-24	Low Voltage Rough-in Walls	5	07-Jun-24	13-Jun-24																									■ Low Voltage Rough-in Walls																																			
RD-IF-ARE-26	Electrical Rough-in at Hard Lids	5	14-Jun-24	20-Jun-24																									■ Electrical Rough-in at Hard Lids																																			
RD-IF-ARE-27	Low Voltage Rough-in at Hard Lids	5	14-Jun-24	20-Jun-24																									■ Low Voltage Rough-in at Hard Lids																																			

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Mechanical Room / Telecom</b>		16	11-Apr-24	02-May-24																																																												
RD-IF-ARMR-10	Frame & Top Down Priority Walls	2	11-Apr-24	12-Apr-24	Frame & Top Down Priority Walls																																																											
RD-IF-ARMR-11	Plumbing Rough-in Walls	2	15-Apr-24	16-Apr-24	Plumbing Rough-in Walls																																																											
RD-IF-ARMR-12	Electrical Rough-in Walls	5	17-Apr-24	23-Apr-24	Electrical Rough-in Walls																																																											
RD-IF-ARMR-13	Low Voltage Rough-in Ceilings	5	17-Apr-24	23-Apr-24	Low Voltage Rough-in Ceilings																																																											
RD-IF-ARMR-14	Hang Drywall Mechanical Room Face	3	24-Apr-24	26-Apr-24	Hang Drywall Mechanical Room Face																																																											
RD-IF-ARMR-15	Pour Equipment Pads	2	29-Apr-24	30-Apr-24	Pour Equipment Pads																																																											
RD-IF-ARMR-16	Set AHU & Related Equipment	2	01-May-24	02-May-24	Set AHU & Related Equipment																																																											
<b>Center Concourse</b>		68	25-Mar-24	27-Jun-24																																																												
RD-IF-ARC-10	Layout Walls / Top Track	5	25-Mar-24	29-Mar-24	Layout Walls / Top Track																																																											
RD-IF-ARC-11	Install Fire Sprinkler Hangers	5	01-Apr-24	05-Apr-24	Install Fire Sprinkler Hangers																																																											
RD-IF-ARC-12	Install Duct / CHW Hangers	5	02-Apr-24	08-Apr-24	Install Duct / CHW Hangers																																																											
RD-IF-ARC-13	Install Plumbing Hangers	5	03-Apr-24	09-Apr-24	Install Plumbing Hangers																																																											
RD-IF-ARC-14	Install Electrical Hangers	5	04-Apr-24	10-Apr-24	Install Electrical Hangers																																																											
RD-IF-ARC-15	Install Fireproofing Arrival	5	11-Apr-24	17-Apr-24	Install Fireproofing Arrival																																																											
RD-IF-ARC-16	Plumbing OH Rough-in	5	18-Apr-24	24-Apr-24	Plumbing OH Rough-in																																																											
RD-IF-ARC-17	Duct & CHW OH Rough-in	10	25-Apr-24	08-May-24	Duct & CHW OH Rough-in																																																											
RD-IF-ARC-18	Fire Sprinkler Mains & Branch Line Rough-in	10	09-May-24	22-May-24	Fire Sprinkler Mains & Branch Line Rough-in																																																											
RD-IF-ARC-19	Electrical OH Rough-in	10	23-May-24	06-Jun-24	Electrical OH Rough-in																																																											
RD-IF-ARC-20	Low Voltage Rough-in Ceilings	10	23-May-24	06-Jun-24	Low Voltage Rough-in Ceilings																																																											
RD-IF-ARC-21	Frame & Top Down Interior Walls	5	07-Jun-24	13-Jun-24	Frame & Top Down Interior Walls																																																											
RD-IF-ARC-22	Install HM Door Frames	5	07-Jun-24	13-Jun-24	Install HM Door Frames																																																											
RD-IF-ARC-25	Frame Hard Lid Ceilings	10	07-Jun-24	20-Jun-24	Frame Hard Lid Ceilings																																																											
RD-IF-ARC-26	Set Restrooms Carriers	3	14-Jun-24	18-Jun-24	Set Restrooms Carriers																																																											
RD-IF-ARC-27	Install Vanities Steel Support	2	14-Jun-24	17-Jun-24	Install Vanities Steel Support																																																											
RD-IF-ARC-28	Install Blocking and Backing for Specialties	3	14-Jun-24	18-Jun-24	Install Blocking and Backing for Specialties																																																											
RD-IF-ARC-23	Electrical Rough-in Walls	5	14-Jun-24	20-Jun-24	Electrical Rough-in Walls																																																											
RD-IF-ARC-24	Low Voltage Rough-in Walls	5	14-Jun-24	20-Jun-24	Low Voltage Rough-in Walls																																																											
RD-IF-ARC-29	Electrical Rough-in at Hard Lids	5	21-Jun-24	27-Jun-24	Electrical Rough-in at Hard Lids																																																											
RD-IF-ARC-30	Low Voltage Rough-in at Hard Lids	5	21-Jun-24	27-Jun-24	Low Voltage Rough-in at Hard Lids																																																											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>West Concourse</b>					68	01-Apr-24	05-Jul-24																																																									
RD-IF-ARW-10	Layout Walls / Top Track	5	01-Apr-24	05-Apr-24	█ Layout Walls / Top Track																																																											
RD-IF-ARW-11	Install Fire Sprinkler Hangers	5	08-Apr-24	12-Apr-24	█ Install Fire Sprinkler Hangers																																																											
RD-IF-ARW-12	Install Duct / CHW Hangers	5	09-Apr-24	15-Apr-24	█ Install Duct / CHW Hangers																																																											
RD-IF-ARW-13	Install Plumbing Hangers	5	10-Apr-24	16-Apr-24	█ Install Plumbing Hangers																																																											
RD-IF-ARW-14	Install Electrical Hangers	5	11-Apr-24	17-Apr-24	█ Install Electrical Hangers																																																											
RD-IF-ARW-15	Install Fireproofing Arival	5	18-Apr-24	24-Apr-24	█ Install Fireproofing Arival																																																											
RD-IF-ARW-16	Plumbing OH Rough-in	5	25-Apr-24	01-May-24	█ Plumbing OH Rough-in																																																											
RD-IF-ARW-17	Duct & CHW OH Rough-in	10	02-May-24	15-May-24	█ Duct & CHW OH Rough-in																																																											
RD-IF-ARW-18	Fire Sprinkler Mains & Branch Line Rough-in	10	16-May-24	30-May-24	█ Fire Sprinkler Mains & Branch Line Rough-in																																																											
RD-IF-ARW-19	Electrical OH Rough-in	10	31-May-24	13-Jun-24	█ Electrical OH Rough-in																																																											
RD-IF-ARW-20	Low Voltage Rough-in Ceilings	10	31-May-24	13-Jun-24	█ Low Voltage Rough-in Ceilings																																																											
RD-IF-ARW-21	Frame & Top Down Interior Walls	5	14-Jun-24	20-Jun-24	█ Frame & Top Down Interior Walls																																																											
RD-IF-ARW-22	Install HM Door Frames	5	14-Jun-24	20-Jun-24	█ Install HM Door Frames																																																											
RD-IF-ARW-25	Frame Hard Lid Ceilings	10	14-Jun-24	27-Jun-24	█ Frame Hard Lid Ceilings																																																											
RD-IF-ARW-23	Electrical Rough-in Walls	5	21-Jun-24	27-Jun-24	█ Electrical Rough-in Walls																																																											
RD-IF-ARW-24	Low Voltage Rough-in Walls	5	21-Jun-24	27-Jun-24	█ Low Voltage Rough-in Walls																																																											
RD-IF-ARW-26	Electrical Rough-in at Hard Lids	5	28-Jun-24	05-Jul-24	█ Electrical Rough-in at Hard Lids																																																											
RD-IF-ARW-27	Low Voltage Rough-in at Hard Lids	5	28-Jun-24	05-Jul-24	█ Low Voltage Rough-in at Hard Lids																																																											
<b>Mechanical Room / Telecom</b>					16	25-Apr-24	16-May-24																																																									
RD-IF-DPWM-45	Frame & Top Down Priority Walls	2	25-Apr-24	26-Apr-24	█ Frame & Top Down Priority Walls																																																											
RD-IF-DPWM-46	Plumbing Rough-in Walls	2	29-Apr-24	30-Apr-24	█ Plumbing Rough-in Walls																																																											
RD-IF-DPWM-47	Electrical Rough-in Walls	5	01-May-24	07-May-24	█ Electrical Rough-in Walls																																																											
RD-IF-DPWM-49	Low Voltage Rough-in Ceilings	5	01-May-24	07-May-24	█ Low Voltage Rough-in Ceilings																																																											
RD-IF-DPWM-50	Hang Drywall Mechanical Room Face	3	08-May-24	10-May-24	█ Hang Drywall Mechanical Room Face																																																											
RD-IF-DPWM-44	Pour Equipment Pads	2	13-May-24	14-May-24	█ Pour Equipment Pads																																																											
RD-IF-DPWM-48	Set AHU & Related Equipment	2	15-May-24	16-May-24	█ Set AHU & Related Equipment																																																											
<b>Departures Level</b>					93	21-Mar-24	31-Jul-24																																																									
<b>East Concourse</b>					88	21-Mar-24	24-Jul-24																																																									
RD-IF-DPE-13	Install BHS System Hangers and Supports	10	21-Mar-24	03-Apr-24	█ Install BHS System Hangers and Supports																																																											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Center Concourse</b>		<b>88</b>	<b>28-Mar-24</b>	<b>31-Jul-24</b>																																																												
RD-IF-DPC-10	Layout Walls / Top Track	5	28-Mar-24	03-Apr-24																																																												
RD-IF-DPC-11	Install Fire Sprinkler Hangers	5	04-Apr-24	10-Apr-24																																																												
RD-IF-DPC-12	Install Duct / CHW Hangers	5	05-Apr-24	11-Apr-24																																																												
RD-IF-DPC-13	Install Plumbing Hangers	5	24-Apr-24	30-Apr-24																																																												
RD-IF-DPC-14	Install Electrical Hangers	5	25-Apr-24	01-May-24																																																												
RD-IF-DPC-15	Install Fireproofing Arrival	5	02-May-24	08-May-24																																																												
RD-IF-DPC-16	Plumbing OH Rough-in	5	09-May-24	15-May-24																																																												
RD-IF-DPC-17	Duct & CHW OH Rough-in	10	16-May-24	30-May-24																																																												
RD-IF-DPC-18	Fire Sprinkler Mains & Branch Line Rough-in	10	31-May-24	13-Jun-24																																																												
RD-IF-DPC-19	Electrical OH Rough-in	10	14-Jun-24	27-Jun-24																																																												
RD-IF-DPC-20	Low Voltage Rough-in Ceilings	10	14-Jun-24	27-Jun-24																																																												
RD-IF-DPC-21	Frame & Top Down Interior Walls	5	28-Jun-24	05-Jul-24																																																												
RD-IF-DPC-22	Install HM Door Frames	5	28-Jun-24	05-Jul-24																																																												
RD-IF-DPC-25	Install Vanities Steel Support	2	08-Jul-24	09-Jul-24																																																												
RD-IF-DPC-26	Set Restrooms Carriers	3	08-Jul-24	10-Jul-24																																																												
RD-IF-DPC-27	Install Blocking and Backing for Specialties	3	08-Jul-24	10-Jul-24																																																												
RD-IF-DPC-23	Electrical Rough-in Walls	5	08-Jul-24	12-Jul-24																																																												
RD-IF-DPC-24	Low Voltage Rough-in Walls	5	08-Jul-24	12-Jul-24																																																												
RD-IF-DPC-28	Frame Hard Lid Ceilings	10	11-Jul-24	24-Jul-24																																																												
RD-IF-DPC-29	Electrical Rough-in at Hard Lids	5	25-Jul-24	31-Jul-24																																																												
RD-IF-DPC-30	Low Voltage Rough-in at Hard Lids	5	25-Jul-24	31-Jul-24																																																												
<b>West Concourse</b>		<b>80</b>	<b>04-Apr-24</b>	<b>26-Jul-24</b>																																																												
RD-IF-DPW-10	Layout Walls / Top Track	5	04-Apr-24	10-Apr-24																																																												
RD-IF-DPW-11	Install Fire Sprinkler Hangers	10	11-Apr-24	24-Apr-24																																																												
RD-IF-DPW-12	Install Duct / CHW Hangers	5	12-Apr-24	18-Apr-24																																																												
RD-IF-DPW-13	Install Plumbing Hangers	5	01-May-24	07-May-24																																																												
RD-IF-DPW-14	Install Electrical Hangers	5	02-May-24	08-May-24																																																												
RD-IF-DPW-15	Install Fireproofing Arrival	5	09-May-24	15-May-24																																																												
RD-IF-DPW-16	Plumbing OH Rough-in	5	16-May-24	22-May-24																																																												

█ Remaining Level of Effort    █ Actual W...  
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**MTCE Supplemental D & E**



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-IF-DPW-17	Duct & CHW OH Rough-in	10	23-May-24	06-Jun-24																									█ Duct & CHW OH Rough-in																																			
RD-IF-DPW-18	Fire Sprinkler Mains & Branch Line Rough-in	10	07-Jun-24	20-Jun-24																									█ Fire Sprinkler Mains & Branch Line Rough-in																																			
RD-IF-DPW-19	Electrical OH Rough-in	10	21-Jun-24	05-Jul-24																									█ Electrical OH Rough-in																																			
RD-IF-DPW-20	Low Voltage Rough-in Ceilings	10	21-Jun-24	05-Jul-24																									█ Low Voltage Rough-in Ceilings																																			
RD-IF-DPW-21	Frame & Top Down Interior Walls	5	08-Jul-24	12-Jul-24																									█ Frame & Top Down Interior Walls																																			
RD-IF-DPW-22	Install HM Door Frames	5	08-Jul-24	12-Jul-24																									█ Install HM Door Frames																																			
RD-IF-DPW-25	Frame Hard Lid Ceilings	10	08-Jul-24	19-Jul-24																									█ Frame Hard Lid Ceilings																																			
RD-IF-DPW-23	Electrical Rough-in Walls	5	15-Jul-24	19-Jul-24																									█ Electrical Rough-in Walls																																			
RD-IF-DPW-24	Low Voltage Rough-in Walls	5	15-Jul-24	19-Jul-24																									█ Low Voltage Rough-in Walls																																			
RD-IF-DPW-26	Electrical Rough-in at Hard Lids	5	22-Jul-24	26-Jul-24																									█ Electrical Rough-in at Hard Lids																																			
RD-IF-DPW-27	Low Voltage Rough-in at Hard Lids	5	22-Jul-24	26-Jul-24																									█ Low Voltage Rough-in at Hard Lids																																			
<b>Mechanical Room / BHS Room</b>		<b>16</b>	<b>16-May-24</b>	<b>07-Jun-24</b>																																																												
RD-IF-DPMR-100	Frame & Top Down Priority Walls	2	16-May-24	17-May-24																									█ Frame & Top Down Priority Walls																																			
RD-IF-DPMR-101	Plumbing Rough-in Walls	2	20-May-24	21-May-24																									█ Plumbing Rough-in Walls																																			
RD-IF-DPMR-102	Electrical Rough-in Walls	5	22-May-24	29-May-24																									█ Electrical Rough-in Walls																																			
RD-IF-DPMR-103	Low Voltage Rough-in Ceilings	5	22-May-24	29-May-24																									█ Low Voltage Rough-in Ceilings																																			
RD-IF-DPMR-104	Hang Drywall Mechanical Room Face	3	30-May-24	03-Jun-24																									█ Hang Drywall Mechanical Room Face																																			
RD-IF-DPMR-105	Pour Equipment Pads	2	04-Jun-24	05-Jun-24																									█ Pour Equipment Pads																																			
RD-IF-DPMR-106	Set AHU & Related Equipment	2	06-Jun-24	07-Jun-24																									█ Set AHU & Related Equipment																																			
<b>Transfer Level</b>		<b>166</b>	<b>14-Mar-24</b>	<b>05-Nov-24</b>																																																												
<b>East Concourse New VCB and Existing Terminal</b>		<b>166</b>	<b>14-Mar-24</b>	<b>05-Nov-24</b>																																																												
RD-IF-TRE-29	Select Demo	10	14-Mar-24	27-Mar-24																									█ Select Demo																																			
RD-IF-TRE-11	Layout Walls / Top Track	5	11-Apr-24	17-Apr-24																									█ Layout Walls / Top Track																																			
RD-IF-TRE-12	Install Fire Sprinkler Hangers	10	18-Apr-24	01-May-24																									█ Install Fire Sprinkler Hangers																																			
RD-IF-TRE-13	Install Duct / CHW Hangers	10	19-Apr-24	02-May-24																									█ Install Duct / CHW Hangers																																			
RD-IF-TRE-14	Install Plumbing Hangers	10	08-May-24	21-May-24																									█ Install Plumbing Hangers																																			
RD-IF-TRE-15	Install Electrical Hangers	10	09-May-24	22-May-24																									█ Install Electrical Hangers																																			
RD-IF-TRE-16	Install Fireproofing	3	23-May-24	28-May-24																									█ Install Fireproofing																																			
RD-IF-TRE-17	Plumbing OH Rough-in	5	29-May-24	04-Jun-24																									█ Plumbing OH Rough-in																																			
RD-IF-TRE-18	Duct & CHW OH Rough-in	10	05-Jun-24	18-Jun-24																									█ Duct & CHW OH Rough-in																																			

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026												
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
RD-IF-TRE-19	Fire Sprinkler Mains & Branch Line Rough-in	10	19-Jun-24	02-Jul-24																																																													■ Fire Sprinkler Mains & Branch Line Rough-in
RD-IF-TRE-20	Electrical OH Rough-in	10	03-Jul-24	17-Jul-24																																																													■ Electrical OH Rough-in
RD-IF-TRE-21	Low Voltage Rough-in Ceilings	10	03-Jul-24	17-Jul-24																																																													■ Low Voltage Rough-in Ceilings
RD-IF-TRE-22	Frame & Top Down Interior Walls	5	18-Jul-24	24-Jul-24																																																													■ Frame & Top Down Interior Walls
RD-IF-TRE-23	Install HM Door Frames	5	18-Jul-24	24-Jul-24																																																													■ Install HM Door Frames
RD-IF-TRE-26	Frame Hard Lid Ceilings	10	18-Jul-24	31-Jul-24																																																													■ Frame Hard Lid Ceilings
RD-IF-TRE-24	Electrical Rough-in Walls	5	25-Jul-24	31-Jul-24																																																													■ Electrical Rough-in Walls
RD-IF-TRE-25	Low Voltage Rough-in Walls	5	25-Jul-24	31-Jul-24																																																													■ Low Voltage Rough-in Walls
RD-IF-TRE-27	Electrical Rough-in at Hard Lids	5	01-Aug-24	07-Aug-24																																																													■ Electrical Rough-in at Hard Lids
RD-IF-TRE-28	Low Voltage Rough-in at Hard Lids	5	01-Aug-24	07-Aug-24																																																													■ Low Voltage Rough-in at Hard Lids
Mechanical Room /Electrical Room		50	29-May-24	07-Aug-24																																																													
RD-IF-TRMR-10	Tie-in Primary Electrical Raceway and Feeders from ESB	10	29-May-24	11-Jun-24																																																													■ Tie-in Primary Electrical Raceway and Feeders from ESB
RD-IF-TRMR-11	Frame & Top Down Priority Walls	2	29-May-24	30-May-24																																																													■ Frame & Top Down Priority Walls
RD-IF-TRMR-12	Plumbing Rough-in Walls	2	31-May-24	03-Jun-24																																																													■ Plumbing Rough-in Walls
RD-IF-TRMR-13	Electrical Rough-in Walls	5	04-Jun-24	10-Jun-24																																																													■ Electrical Rough-in Walls
RD-IF-TRMR-14	Low Voltage Rough-in Ceilings	5	04-Jun-24	10-Jun-24																																																													■ Low Voltage Rough-in Ceilings
RD-IF-TRMR-15	Hang Drywall Mechanical Room Face	3	11-Jun-24	13-Jun-24																																																													■ Hang Drywall Mechanical Room Face
RD-IF-TRMR-16	Pour Equipment Pads	2	14-Jun-24	17-Jun-24																																																													■ Pour Equipment Pads
RD-IF-TRMR-17	Set Electrical Panels	10	18-Jun-24	01-Jul-24																																																													■ Set Electrical Panels
RD-IF-TRMR-18	Set AHU & Related Equipment	2	18-Jun-24	19-Jun-24																																																													■ Set AHU & Related Equipment
RD-IF-TRMR-19	Set Electrical Transformers	8	02-Jul-24	12-Jul-24																																																													■ Set Electrical Transformers
RD-IF-TRMR-20	Pull and Terminate Electrical	10	25-Jul-24	07-Aug-24																																																													■ Pull and Terminate Electrical
Dance Floor Work		140	19-Apr-24	05-Nov-24																																																													
RD-IF-TRED-10	Erect Scaffold Dance Floor	10	19-Apr-24	02-May-24																																																													■ Erect Scaffold Dance Floor
RD-IF-TRED-11	Dance Floor Duration	140	19-Apr-24	05-Nov-24																																																													■ Dance Floor Duration
RD-IF-TRED-18	Install Fireproofing Level 71	7	24-May-24	04-Jun-24																																																													■ Install Fireproofing Level 71
RD-IF-TRED-32	Demo Scaffold Dance Floor	5	30-Oct-24	05-Nov-24																																																													■ Demo Scaffold Dance Floor
Transfer Level Ceiling 8.2 to 10.2		125	03-May-24	29-Oct-24																																																													
RD-IF-TRED-12	Layout / Top Track	5	03-May-24	09-May-24																																																													■ Layout / Top Track
RD-IF-TRED-13	Install Ceiling Supports	10	10-May-24	23-May-24																																																													■ Install Ceiling Supports

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-IF-TRED-14	Install Fire Sprinkler Hangers	5	14-May-24	20-May-24																																																	█	Install Fire Sprinkler Hangers										
RD-IF-TRED-15	Install Duct / CHW Hangers	5	15-May-24	21-May-24																																																	█	Install Duct / CHW Hangers										
RD-IF-TRED-16	Install Plumbing Hangers	5	16-May-24	22-May-24																																																	█	Install Plumbing Hangers										
RD-IF-TRED-17	Install Electrical Hangers	5	17-May-24	23-May-24																																																	█	Install Electrical Hangers										
RD-IF-TRED-19	Plumbing OH Rough-in	5	05-Jun-24	11-Jun-24																																																	█	Plumbing OH Rough-in										
RD-IF-TRED-20	Duct & CHW OH Rough-in	10	12-Jun-24	25-Jun-24																																																	█	Duct & CHW OH Rough-in										
RD-IF-TRED-21	Fire Sprinkler Mains & Branch Line Rough-in	10	26-Jun-24	10-Jul-24																																																	█	Fire Sprinkler Mains & Branch Line Rough-in										
RD-IF-TRED-22	Electrical OH Rough-in	10	11-Jul-24	24-Jul-24																																																	█	Electrical OH Rough-in										
RD-IF-TRED-23	Low Voltage Rough-in Ceilings	10	11-Jul-24	24-Jul-24																																																	█	Low Voltage Rough-in Ceilings										
RD-IF-TRED-24	Frame South Perimeter Soffit	10	25-Jul-24	07-Aug-24																																																	█	Frame South Perimeter Soffit										
RD-IF-TRED-25	Hang Tape Finish South Perimeter Soffit	5	08-Aug-24	14-Aug-24																																																	█	Hang Tape Finish South Perimeter Soffit										
RD-IF-TRED-26	Paint Perimeter Soffit	5	15-Aug-24	21-Aug-24																																																	█	Paint Perimeter Soffit										
RD-IF-TRED-27	Install Metal Panel Ceiling	20	22-Aug-24	19-Sep-24																																																	█	Install Metal Panel Ceiling										
RD-IF-TRED-28	MEP Devices Install and Trim at Ceilings	20	20-Sep-24	17-Oct-24																																																	█	MEP Devices Install and Trim at Ceilings										
RD-IF-TRED-29	Completion Inspection	2	18-Oct-24	21-Oct-24																																																	█	Completion Inspection										
RD-IF-TRED-30	Ceiling Corrections	5	22-Oct-24	28-Oct-24																																																	█	Ceiling Corrections										
RD-IF-TRED-31	Acceptance of Corrections	1	29-Oct-24	29-Oct-24																																																	█	Acceptance of Corrections										
Center Concourse New VCB and Existing Terminal (Includes Marriott Arcade)		142	28-Mar-24	16-Oct-24																																																												
RD-IF-TRC-34	Select Demo	10	28-Mar-24	10-Apr-24																																																	█	Select Demo										
RD-IF-TRC-10	Layout Walls / Top Track	5	18-Apr-24	24-Apr-24																																																	█	Layout Walls / Top Track										
RD-IF-TRC-31	Install Dancefloor at Monumental Stair	5	18-Apr-24	24-Apr-24																																																	█	Install Dancefloor at Monumental Stair										
RD-IF-TRC-32	Monumental Stair Dancefloor Summary	127	18-Apr-24	16-Oct-24																																																	█	Monumental Stair Dancefloor Summary										
RD-IF-TRC-11	Install Fire Sprinkler Hangers	10	25-Apr-24	08-May-24																																																	█	Install Fire Sprinkler Hangers										
RD-IF-TRC-12	Install Duct / CHW Hangers	10	03-May-24	16-May-24																																																	█	Install Duct / CHW Hangers										
RD-IF-TRC-13	Install Plumbing Hangers	10	22-May-24	05-Jun-24																																																	█	Install Plumbing Hangers										
RD-IF-TRC-14	Install Electrical Hangers	10	23-May-24	06-Jun-24																																																	█	Install Electrical Hangers										
RD-IF-TRC-15	Install Fireproofing	5	07-Jun-24	13-Jun-24																																																	█	Install Fireproofing										
RD-IF-TRC-16	Plumbing OH Rough-in	5	14-Jun-24	20-Jun-24																																																	█	Plumbing OH Rough-in										
RD-IF-TRC-17	Duct & CHW OH Rough-in	10	21-Jun-24	05-Jul-24																																																	█	Duct & CHW OH Rough-in										
RD-IF-TRC-18	Fire Sprinkler Mains & Branch Line Rough-in	10	08-Jul-24	19-Jul-24																																																	█	Fire Sprinkler Mains & Branch Line Rough-in										

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-IF-TRC-19	Electrical OH Rough-in	10	22-Jul-24	02-Aug-24																																					■ Electrical OH Rough-in																							
RD-IF-TRC-20	Low Voltage Rough-in Ceilings	10	22-Jul-24	02-Aug-24																																					■ Low Voltage Rough-in Ceilings																							
RD-IF-TRC-21	Frame & Top Down Interior Walls	5	05-Aug-24	09-Aug-24																																					■ Frame & Top Down Interior Walls																							
RD-IF-TRC-22	Install HM Door Frames	5	05-Aug-24	09-Aug-24																																					■ Install HM Door Frames																							
RD-IF-TRC-25	Frame Hard Lid Ceilings	10	05-Aug-24	16-Aug-24																																					■ Frame Hard Lid Ceilings																							
RD-IF-TRC-26	Set Restrooms Carriers	3	12-Aug-24	14-Aug-24																																					■ Set Restrooms Carriers																							
RD-IF-TRC-27	Install Vanities Steel Support	2	12-Aug-24	13-Aug-24																																					■ Install Vanities Steel Support																							
RD-IF-TRC-23	Electrical Rough-in Walls	5	12-Aug-24	16-Aug-24																																					■ Electrical Rough-in Walls																							
RD-IF-TRC-24	Low Voltage Rough-in Walls	5	12-Aug-24	16-Aug-24																																					■ Low Voltage Rough-in Walls																							
RD-IF-TRC-28	Install Blocking and Backing for Specialties	3	15-Aug-24	19-Aug-24																																					■ Install Blocking and Backing for Specialties																							
RD-IF-TRC-29	Electrical Rough-in at Hard Lids	5	19-Aug-24	23-Aug-24																																					■ Electrical Rough-in at Hard Lids																							
RD-IF-TRC-30	Low Voltage Rough-in at Hard Lids	5	19-Aug-24	23-Aug-24																																					■ Low Voltage Rough-in at Hard Lids																							
RD-IF-TRC-33	Demo Dancefloor at Monumental Stair	5	10-Oct-24	16-Oct-24																																					■ Demo Dancefloor at Monumental Stair																							
West Concourse New VCB and Existing Terminal		105	11-Apr-24	09-Sep-24																																																												
RD-IF-TRW-28	Select Demo	10	11-Apr-24	24-Apr-24																																					■ Select Demo																							
RD-IF-TRW-10	Layout Walls / Top Track	5	25-Apr-24	01-May-24																																					■ Layout Walls / Top Track																							
RD-IF-TRW-11	Install Fire Sprinkler Hangers	10	02-May-24	15-May-24																																					■ Install Fire Sprinkler Hangers																							
RD-IF-TRW-12	Install Duct / CHW Hangers	10	17-May-24	31-May-24																																					■ Install Duct / CHW Hangers																							
RD-IF-TRW-13	Install Plumbing Hangers	10	06-Jun-24	19-Jun-24																																					■ Install Plumbing Hangers																							
RD-IF-TRW-14	Install Electrical Hangers	10	07-Jun-24	20-Jun-24																																					■ Install Electrical Hangers																							
RD-IF-TRW-15	Install Fireproofing	5	21-Jun-24	27-Jun-24																																					■ Install Fireproofing																							
RD-IF-TRW-16	Plumbing OH Rough-in	5	28-Jun-24	05-Jul-24																																					■ Plumbing OH Rough-in																							
RD-IF-TRW-17	Duct & CHW OH Rough-in	10	08-Jul-24	19-Jul-24																																					■ Duct & CHW OH Rough-in																							
RD-IF-TRW-18	Fire Sprinkler Mains & Branch Line Rough-in	10	22-Jul-24	02-Aug-24																																					■ Fire Sprinkler Mains & Branch Line Rough-in																							
RD-IF-TRW-19	Electrical OH Rough-in	10	05-Aug-24	16-Aug-24																																					■ Electrical OH Rough-in																							
RD-IF-TRW-20	Low Voltage Rough-in Ceilings	10	05-Aug-24	16-Aug-24																																					■ Low Voltage Rough-in Ceilings																							
RD-IF-TRW-21	Frame & Top Down Interior Walls	5	19-Aug-24	23-Aug-24																																					■ Frame & Top Down Interior Walls																							
RD-IF-TRW-22	Install HM Door Frames	5	19-Aug-24	23-Aug-24																																					■ Install HM Door Frames																							
RD-IF-TRW-25	Frame Hard Lid Ceilings	10	19-Aug-24	30-Aug-24																																					■ Frame Hard Lid Ceilings																							
RD-IF-TRW-23	Electrical Rough-in Walls	5	26-Aug-24	30-Aug-24																																					■ Electrical Rough-in Walls																							

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-IF-TRW-24	Low Voltage Rough-in Walls	5	26-Aug-24	30-Aug-24																																																	■	Low Voltage Rough-in Walls										
RD-IF-TRW-26	Electrical Rough-in at Hard Lids	5	03-Sep-24	09-Sep-24																																																	■	Electrical Rough-in at Hard Lids										
RD-IF-TRW-27	Low Voltage Rough-in at Hard Lids	5	03-Sep-24	09-Sep-24																																																	■	Low Voltage Rough-in at Hard Lids										
<b>Red Vertical Circulation Bldg. Interior Finishes &amp; MEPF Devices</b>		199	25-Jul-24	06-May-25																																																												
<b>Transfer Concourse</b>		159	01-Aug-24	18-Mar-25																																																												
<b>East Concourse</b>		109	01-Aug-24	07-Jan-25																																																												
RD-FN-TRE-10	Insulation Walls	5	01-Aug-24	07-Aug-24																																																	■	Insulation Walls										
RD-FN-TRE-11	Insulate Ceilings & Soffits	5	01-Aug-24	07-Aug-24																																																	■	Insulate Ceilings & Soffits										
RD-FN-TRE-12	Hang Drywall Walls	10	08-Aug-24	21-Aug-24																																																	■	Hang Drywall Walls										
RD-FN-TRE-13	Hang Hard Lid Ceilings	10	08-Aug-24	21-Aug-24																																																	■	Hang Hard Lid Ceilings										
RD-FN-TRE-14	Tape and Finish Walls	15	22-Aug-24	12-Sep-24																																																	■	Tape and Finish Walls										
RD-FN-TRE-15	Tape and Finish Ceilings	15	22-Aug-24	12-Sep-24																																																	■	Tape and Finish Ceilings										
RD-FN-TRE-40	Install Framing of Glass Wall Panel System	10	22-Aug-24	05-Sep-24																																																	■	Install Framing of Glass Wall Panel System										
RD-FN-TRE-39	Procurement of Glass Wall Panels	60	06-Sep-24	02-Dec-24																																																	■	Procurement of Glass Wall Panels										
RD-FN-TRE-16	Prime & One Coat Walls	7	13-Sep-24	23-Sep-24																																																	■	Prime & One Coat Walls										
RD-FN-TRE-17	Prime, First, Final Paint Ceilings	7	13-Sep-24	23-Sep-24																																																	■	Prime, First, Final Paint Ceilings										
RD-FN-TRE-18	Install Ceiling Light Fixtures & Trim	10	24-Sep-24	07-Oct-24																																																	■	Install Ceiling Light Fixtures & Trim										
RD-FN-TRE-19	Install Diffusers	10	24-Sep-24	07-Oct-24																																																	■	Install Diffusers										
RD-FN-TRE-20	Install Metal / Acoustical Ceiling Grid Systems	15	24-Sep-24	14-Oct-24																																																	■	Install Metal / Acoustical Ceiling Grid Systems										
RD-FN-TRE-21	Install Fire Protection Trim	10	24-Sep-24	07-Oct-24																																																	■	Install Fire Protection Trim										
RD-FN-TRE-22	Install Low Voltage Trim	10	24-Sep-24	07-Oct-24																																																	■	Install Low Voltage Trim										
RD-FN-TRE-23	Hang Doors	5	24-Sep-24	30-Sep-24																																																	■	Hang Doors										
RD-FN-TRE-24	Install Metal Ceiling Panels Field	15	08-Oct-24	28-Oct-24																																																	■	Install Metal Ceiling Panels Field										
RD-FN-TRE-25	Install Floor Tile & Base	10	29-Oct-24	11-Nov-24																																																	■	Install Floor Tile & Base										
RD-FN-TRE-26	Install Terrazzo Flooring	10	12-Nov-24	25-Nov-24																																																	■	Install Terrazzo Flooring										
RD-FN-TRE-27	Install Column Covers	5	26-Nov-24	04-Dec-24																																																	■	Install Column Covers										
RD-FN-TRE-28	Install Terrazzo Base	5	26-Nov-24	04-Dec-24																																																	■	Install Terrazzo Base										
RD-FN-TRE-29	Install Carpet	5	26-Nov-24	04-Dec-24																																																	■	Install Carpet										
RD-FN-TRE-30	Install Interior Glass Wall Panels @ Elevators	10	02-Dec-24	16-Dec-24																																																	■	Install Interior Glass Wall Panels @ Elevators										
RD-FN-TRE-31	Final Paint	7	05-Dec-24	13-Dec-24																																																	■	Final Paint										

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-TRE-32	Install Light Fixtures & Trim Walls / Columns	5	05-Dec-24	11-Dec-24																																																	█	Install Light Fixtures & Trim Walls / Columns										
RD-FN-TRE-33	Install Interior Glass Wall Panels	10	05-Dec-24	18-Dec-24																																																	█	Install Interior Glass Wall Panels										
RD-FN-TRE-34	Install Swiss Pearl Wall System	10	05-Dec-24	18-Dec-24																																																	█	Install Swiss Pearl Wall System										
RD-FN-TRE-35	Install Door Hardware	3	16-Dec-24	18-Dec-24																																																	█	Install Door Hardware										
RD-FN-TRE-36	Install Interior Specialties / Mounting Brackets / OFOI	10	16-Dec-24	30-Dec-24																																																	█	Install Interior Specialties / Mounting Brackets / OFOI										
RD-FN-TRE-37	Install Low Voltage Trim Walls / Columns	5	19-Dec-24	26-Dec-24																																																	█	Install Low Voltage Trim Walls / Columns										
RD-FN-TRE-38	Install Signage	5	31-Dec-24	07-Jan-25																																																	█	Install Signage										
Elevator Lobby		25	31-Oct-24	09-Dec-24																																																												
RD-FN-TREL-10	Frame & Top Down Walls	5	31-Oct-24	07-Nov-24																																																	█	Frame & Top Down Walls										
RD-FN-TREL-11	Frame Hard Lid Ceiling	5	31-Oct-24	07-Nov-24																																																	█	Frame Hard Lid Ceiling										
RD-FN-TREL-12	Electrical & Low Voltage Rough-in Walls	5	07-Nov-24	14-Nov-24																																																	█	Electrical & Low Voltage Rough-in Walls										
RD-FN-TREL-13	Hang, Tape, Finish Walls	5	14-Nov-24	21-Nov-24																																																	█	Hang, Tape, Finish Walls										
RD-FN-TREL-14	Hang, Tape, Finish Ceilings	5	14-Nov-24	21-Nov-24																																																	█	Hang, Tape, Finish Ceilings										
RD-FN-TREL-15	Prime, First, Final Paint Ceilings	5	21-Nov-24	02-Dec-24																																																	█	Prime, First, Final Paint Ceilings										
RD-FN-TREL-16	Prime & First Coat Walls	5	21-Nov-24	02-Dec-24																																																	█	Prime & First Coat Walls										
RD-FN-TREL-17	MEP Trim	5	02-Dec-24	09-Dec-24																																																	█	MEP Trim										
Center Concourse (Includes Marriott Arcade)		117	19-Aug-24	04-Feb-25																																																												
RD-FN-TRC-10	Insulation Walls	5	19-Aug-24	23-Aug-24																																																	█	Insulation Walls										
RD-FN-TRC-11	Insulate Ceilings & Soffits	5	19-Aug-24	23-Aug-24																																																	█	Insulate Ceilings & Soffits										
RD-FN-TRC-12	Hang Drywall Walls	10	26-Aug-24	09-Sep-24																																																	█	Hang Drywall Walls										
RD-FN-TRC-13	Hang Hard Lid Ceilings	10	26-Aug-24	09-Sep-24																																																	█	Hang Hard Lid Ceilings										
RD-FN-TRC-14	Tape and Finish Walls	15	10-Sep-24	30-Sep-24																																																	█	Tape and Finish Walls										
RD-FN-TRC-15	Tape and Finish Ceilings	15	10-Sep-24	30-Sep-24																																																	█	Tape and Finish Ceilings										
RD-FN-TRC-41	Install Glass Wall Panel Framing	10	10-Sep-24	23-Sep-24																																																	█	Install Glass Wall Panel Framing										
RD-FN-TRC-40	Procurement of Glass Wall Panels	60	24-Sep-24	18-Dec-24																																																	█	Procurement of Glass Wall Panels										
RD-FN-TRC-16	Prime & One Coat Walls	7	01-Oct-24	09-Oct-24																																																	█	Prime & One Coat Walls										
RD-FN-TRC-17	Prime, First, Final Paint Ceilings	7	01-Oct-24	09-Oct-24																																																	█	Prime, First, Final Paint Ceilings										
RD-FN-TRC-18	Install Ceiling Light Fixtures & Trim	10	15-Oct-24	28-Oct-24																																																	█	Install Ceiling Light Fixtures & Trim										
RD-FN-TRC-19	Install Diffusers	10	15-Oct-24	28-Oct-24																																																	█	Install Diffusers										
RD-FN-TRC-20	Install Metal Ceiling Grid Borders & MEP	15	15-Oct-24	04-Nov-24																																																	█	Install Metal Ceiling Grid Borders & MEP										

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-TRW-18	Install Ceiling Light Fixtures & Trim	10	05-Nov-24	18-Nov-24																																																		Install Ceiling Light Fixtures & Trim										
RD-FN-TRW-19	Install Diffusers	10	05-Nov-24	18-Nov-24																																																		Install Diffusers										
RD-FN-TRW-20	Install Metal Ceiling Grid Borders & MEP	15	05-Nov-24	25-Nov-24																																																		Install Metal Ceiling Grid Borders & MEP										
RD-FN-TRW-21	Install Fire Protection Trim	10	05-Nov-24	18-Nov-24																																																		Install Fire Protection Trim										
RD-FN-TRW-22	Hang Doors	5	05-Nov-24	11-Nov-24																																																		Hang Doors										
RD-FN-TRW-23	Install Low Voltage Trim	10	26-Nov-24	11-Dec-24																																																		Install Low Voltage Trim										
RD-FN-TRW-24	Install Metal Ceiling Panels Field	15	12-Dec-24	03-Jan-25																																																		Install Metal Ceiling Panels Field										
RD-FN-TRW-25	Install Floor Tile & Base	15	06-Jan-25	24-Jan-25																																																		Install Floor Tile & Base										
RD-FN-TRW-26	Install Terrazzo Flooring	10	27-Jan-25	07-Feb-25																																																		Install Terrazzo Flooring										
RD-FN-TRW-27	Install Column Covers	5	10-Feb-25	14-Feb-25																																																		Install Column Covers										
RD-FN-TRW-28	Install Terrazzo Base	5	10-Feb-25	14-Feb-25																																																		Install Terrazzo Base										
RD-FN-TRW-29	Install Carpet	5	10-Feb-25	14-Feb-25																																																		Install Carpet										
RD-FN-TRW-30	Final Paint	7	17-Feb-25	25-Feb-25																																																		Final Paint										
RD-FN-TRW-31	Install Light Fixtures & Trim Walls / Columns	5	17-Feb-25	21-Feb-25																																																		Install Light Fixtures & Trim Walls / Columns										
RD-FN-TRW-32	Install Interior Glass Wall Panels	10	17-Feb-25	28-Feb-25																																																		Install Interior Glass Wall Panels										
RD-FN-TRW-33	Install Swiss Pearl Wall System	10	17-Feb-25	28-Feb-25																																																		Install Swiss Pearl Wall System										
RD-FN-TRW-34	Install Door Hardware	3	26-Feb-25	28-Feb-25																																																		Install Door Hardware										
RD-FN-TRW-35	Install Interior Specialties / Mounting Brackets / OFOI	10	26-Feb-25	11-Mar-25																																																		Install Interior Specialties / Mounting Brackets / OFOI										
RD-FN-TRW-36	Install Low Voltage Trim Walls / Columns	5	03-Mar-25	07-Mar-25																																																		Install Low Voltage Trim Walls / Columns										
RD-FN-TRW-37	Install Signage	5	12-Mar-25	18-Mar-25																																																		Install Signage										
<b>Electrical Room</b>		<b>20</b>	<b>05-Aug-24</b>	<b>30-Aug-24</b>																																																												
RD-FN-TRWE-10	Tape and Finish Walls & Ceilings	10	05-Aug-24	16-Aug-24																																																		Tape and Finish Walls & Ceilings										
RD-FN-TRWE-11	Prime & One Coat Paint	2	19-Aug-24	20-Aug-24																																																		Prime & One Coat Paint										
RD-FN-TRWE-12	Finish Paint	1	21-Aug-24	21-Aug-24																																																		Finish Paint										
RD-FN-TRWE-13	Install Low Voltage Devices	1	22-Aug-24	22-Aug-24																																																		Install Low Voltage Devices										
RD-FN-TRWE-14	Install Light Fixtures & Trim	3	23-Aug-24	27-Aug-24																																																		Install Light Fixtures & Trim										
RD-FN-TRWE-15	Install SDT Flooring and Base	2	28-Aug-24	29-Aug-24																																																		Install SDT Flooring and Base										
RD-FN-TRWE-16	Install Doors and Finish Hardware	1	30-Aug-24	30-Aug-24																																																		Install Doors and Finish Hardware										
<b>Departures Level Concourse</b>		<b>177</b>	<b>29-Jul-24</b>	<b>08-Apr-25</b>																																																												
<b>East Concourse</b>		<b>150</b>	<b>05-Aug-24</b>	<b>07-Mar-25</b>																																																												

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026												
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
RD-FN-DPE-10	Insulation Walls	5	17-Sep-24	23-Sep-24																																																													■ Insulation Walls
RD-FN-DPE-11	Insulate Ceilings & Soffits	5	17-Sep-24	23-Sep-24																																																													■ Insulate Ceilings & Soffits
RD-FN-DPE-12	Hang Drywall Walls	10	24-Sep-24	07-Oct-24																																																													■ Hang Drywall Walls
RD-FN-DPE-13	Hang Hard Lid Ceilings	10	24-Sep-24	07-Oct-24																																																													■ Hang Hard Lid Ceilings
RD-FN-DPE-14	Tape and Finish Walls	15	08-Oct-24	28-Oct-24																																																													■ Tape and Finish Walls
RD-FN-DPE-15	Tape and Finish Ceilings	15	08-Oct-24	28-Oct-24																																																													■ Tape and Finish Ceilings
RD-FN-DPE-36	Install Glass Wall Panel System Framing	10	08-Oct-24	21-Oct-24																																																													■ Install Glass Wall Panel System Framing
RD-FN-DPE-37	Procurement of Glass Wall Panels	60	22-Oct-24	17-Jan-25																																																													■ Procurement of Glass Wall Panels
RD-FN-DPE-16	Prime & One Coat Walls	7	29-Oct-24	06-Nov-24																																																													■ Prime & One Coat Walls
RD-FN-DPE-17	Prime, First, Final Paint Ceilings	7	29-Oct-24	06-Nov-24																																																													■ Prime, First, Final Paint Ceilings
RD-FN-DPE-18	Install Ceiling Light Fixtures & Trim	10	26-Nov-24	11-Dec-24																																																													■ Install Ceiling Light Fixtures & Trim
RD-FN-DPE-19	Install Metal Ceiling Grid Borders & MEP	10	26-Nov-24	11-Dec-24																																																													■ Install Metal Ceiling Grid Borders & MEP
RD-FN-DPE-20	Hang Doors	5	26-Nov-24	04-Dec-24																																																													■ Hang Doors
RD-FN-DPE-21	Install Diffusers	10	05-Dec-24	18-Dec-24																																																													■ Install Diffusers
RD-FN-DPE-22	Install Low Voltage Trim	5	12-Dec-24	18-Dec-24																																																													■ Install Low Voltage Trim
RD-FN-DPE-23	Install Metal Ceiling Panels Field	15	19-Dec-24	10-Jan-25																																																													■ Install Metal Ceiling Panels Field
RD-FN-DPE-24	Install Fire Protection Trim	3	19-Dec-24	23-Dec-24																																																													■ Install Fire Protection Trim
RD-FN-DPE-25	Install Terrazzo Flooring	10	13-Jan-25	24-Jan-25																																																													■ Install Terrazzo Flooring
RD-FN-DPE-26	Install Column Covers	5	27-Jan-25	31-Jan-25																																																													■ Install Column Covers
RD-FN-DPE-27	Install Interior Glass Wall Panels @ Elevators	10	27-Jan-25	07-Feb-25																																																													■ Install Interior Glass Wall Panels @ Elevators
RD-FN-DPE-28	Install Terrazzo Base	5	27-Jan-25	31-Jan-25																																																													■ Install Terrazzo Base
RD-FN-DPE-29	Final Paint	7	03-Feb-25	11-Feb-25																																																													■ Final Paint
RD-FN-DPE-30	Install Light Fixtures & Trim Walls / Columns	5	03-Feb-25	07-Feb-25																																																													■ Install Light Fixtures & Trim Walls / Columns
RD-FN-DPE-31	Install Interior Glass Wall Panels	15	03-Feb-25	21-Feb-25																																																													■ Install Interior Glass Wall Panels
RD-FN-DPE-32	Install Door Hardware	3	12-Feb-25	14-Feb-25																																																													■ Install Door Hardware
RD-FN-DPE-33	Install Interior Specialties / Mounting Brackets / OFOI	10	12-Feb-25	25-Feb-25																																																													■ Install Interior Specialties / Mounting Brackets / OFOI
RD-FN-DPE-34	Install Low Voltage Trim Walls / Columns	5	24-Feb-25	28-Feb-25																																																													■ Install Low Voltage Trim Walls / Columns
RD-FN-DPE-35	Install Signage	5	03-Mar-25	07-Mar-25																																																													■ Install Signage
Elevator Lobby		25	07-Nov-24	16-Dec-24																																																													
RD-FN-DPEL-10	Frame & Top Down Walls	5	07-Nov-24	14-Nov-24																																																													■ Frame & Top Down Walls

■ Remaining Level of Effort    ■ Actual W...  
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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-DPEL-11	Frame Hard Lid Ceiling	5	07-Nov-24	14-Nov-24																																																	■	Frame Hard Lid Ceiling										
RD-FN-DPEL-12	Electrical & Low Voltage Rough-in Walls	5	14-Nov-24	21-Nov-24																																																	■	Electrical & Low Voltage Rough-in Walls										
RD-FN-DPEL-13	Hang, Tape, Finish Walls	5	21-Nov-24	02-Dec-24																																																	■	Hang, Tape, Finish Walls										
RD-FN-DPEL-14	Hang, Tape, Finish Ceilings	5	21-Nov-24	02-Dec-24																																																	■	Hang, Tape, Finish Ceilings										
RD-FN-DPEL-15	Prime, First, Final Paint Ceilings	5	02-Dec-24	09-Dec-24																																																	■	Prime, First, Final Paint Ceilings										
RD-FN-DPEL-16	Prime & First Coat Walls	5	02-Dec-24	09-Dec-24																																																	■	Prime & First Coat Walls										
RD-FN-DPEL-17	MEP Trim	5	09-Dec-24	16-Dec-24																																																	■	MEP Trim										
Mechanical & BHS Rooms		17	05-Aug-24	27-Aug-24																																																												
RD-FN-DPEM-11	Tape and Finish Drywall	5	05-Aug-24	09-Aug-24																																																	■	Tape and Finish Drywall										
RD-FN-DPEM-12	Install Fire Rated Backboards	1	12-Aug-24	12-Aug-24																																																	■	Install Fire Rated Backboards										
RD-FN-DPEM-13	Prime & One Coat Paint	3	13-Aug-24	15-Aug-24																																																	■	Prime & One Coat Paint										
RD-FN-DPEM-14	Install Low Voltage Devices	2	16-Aug-24	19-Aug-24																																																	■	Install Low Voltage Devices										
RD-FN-DPEM-15	Install Light Fixtures & Trim	3	16-Aug-24	20-Aug-24																																																	■	Install Light Fixtures & Trim										
RD-FN-DPEM-10	Start up Mechanical Equipment	5	16-Aug-24	22-Aug-24																																																	■	Start up Mechanical Equipment										
RD-FN-DPEM-16	Finish Paint	2	21-Aug-24	22-Aug-24																																																	■	Finish Paint										
RD-FN-DPEM-17	Install Seal Concrete Floor	2	23-Aug-24	26-Aug-24																																																	■	Install Seal Concrete Floor										
RD-FN-DPEM-18	Install Floor Base	1	27-Aug-24	27-Aug-24																																																	■	Install Floor Base										
Center Concourse		167	29-Jul-24	25-Mar-25																																																												
RD-FN-DPC-10	Insulation Walls	5	29-Jul-24	02-Aug-24																																																	■	Insulation Walls										
RD-FN-DPC-11	Insulate Ceilings & Soffits	5	01-Oct-24	07-Oct-24																																																	■	Insulate Ceilings & Soffits										
RD-FN-DPC-12	Hang Drywall Walls	10	08-Oct-24	21-Oct-24																																																	■	Hang Drywall Walls										
RD-FN-DPC-13	Hang Hard Lid Ceilings	10	08-Oct-24	21-Oct-24																																																	■	Hang Hard Lid Ceilings										
RD-FN-DPC-14	Tape and Finish Walls	15	22-Oct-24	11-Nov-24																																																	■	Tape and Finish Walls										
RD-FN-DPC-15	Tape and Finish Ceilings	15	22-Oct-24	11-Nov-24																																																	■	Tape and Finish Ceilings										
RD-FN-DPC-36	Install Glass Wall Panel System Framing	10	22-Oct-24	04-Nov-24																																																	■	Install Glass Wall Panel System Framing										
RD-FN-DPC-37	Procurement of Glass Wall Panels	60	05-Nov-24	31-Jan-25																																																	■	Procurement of Glass Wall Panels										
RD-FN-DPC-16	Prime & One Coat Walls	7	12-Nov-24	20-Nov-24																																																	■	Prime & One Coat Walls										
RD-FN-DPC-17	Prime, First, Final Paint Ceilings	7	12-Nov-24	20-Nov-24																																																	■	Prime, First, Final Paint Ceilings										
RD-FN-DPC-18	Install Ceiling Light Fixtures & Trim	10	12-Dec-24	26-Dec-24																																																	■	Install Ceiling Light Fixtures & Trim										
RD-FN-DPC-19	Install Metal Ceiling Grid Borders & MEP	10	12-Dec-24	26-Dec-24																																																	■	Install Metal Ceiling Grid Borders & MEP										

■ Remaining Level of Effort   
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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-DPC-20	Hang Doors	5	12-Dec-24	18-Dec-24																																																	█ Hang Doors											
RD-FN-DPC-21	Install Diffusers	10	19-Dec-24	03-Jan-25																																																	█ Install Diffusers											
RD-FN-DPC-22	Install Low Voltage Trim	5	27-Dec-24	03-Jan-25																																																	█ Install Low Voltage Trim											
RD-FN-DPC-23	Install Metal Ceiling Panels Field	15	06-Jan-25	24-Jan-25																																																	█ Install Metal Ceiling Panels Field											
RD-FN-DPC-24	Install Fire Protection Trim	3	06-Jan-25	08-Jan-25																																																	█ Install Fire Protection Trim											
RD-FN-DPC-25	Install Terrazzo Flooring	10	27-Jan-25	07-Feb-25																																																	█ Install Terrazzo Flooring											
RD-FN-DPC-26	Install Column Covers	5	10-Feb-25	14-Feb-25																																																	█ Install Column Covers											
RD-FN-DPC-27	Install Terrazzo Base	5	10-Feb-25	14-Feb-25																																																	█ Install Terrazzo Base											
RD-FN-DPC-28	Final Paint	7	17-Feb-25	25-Feb-25																																																	█ Final Paint											
RD-FN-DPC-29	Install Light Fixtures & Trim Walls / Columns	5	17-Feb-25	21-Feb-25																																																	█ Install Light Fixtures & Trim Walls / Columns											
RD-FN-DPC-30	Install Interior Glass Wall Panels	10	17-Feb-25	28-Feb-25																																																	█ Install Interior Glass Wall Panels											
RD-FN-DPC-31	Install Door Hardware	3	26-Feb-25	28-Feb-25																																																	█ Install Door Hardware											
RD-FN-DPC-32	Install Interior Specialties / Mounting Brackets / OFOI	10	26-Feb-25	11-Mar-25																																																	█ Install Interior Specialties / Mounting Brackets / OFOI											
RD-FN-DPC-33	Install Wood Ceiling	10	26-Feb-25	11-Mar-25																																																	█ Install Wood Ceiling											
RD-FN-DPC-34	Install Low Voltage Trim Walls / Columns	5	12-Mar-25	18-Mar-25																																																	█ Install Low Voltage Trim Walls / Columns											
RD-FN-DPC-35	Install Signage	5	19-Mar-25	25-Mar-25																																																	█ Install Signage											
Restrooms		45	05-Aug-24	07-Oct-24																																																												
RD-FN-DPCR-10	Tape and Finish Walls / Ceilings	7	05-Aug-24	13-Aug-24																																																	█ Tape and Finish Walls / Ceilings											
RD-FN-DPCR-11	Prime and Paint Walls / Ceilings	3	14-Aug-24	16-Aug-24																																																	█ Prime and Paint Walls / Ceilings											
RD-FN-DPCR-12	Install Floor Tiles	10	19-Aug-24	30-Aug-24																																																	█ Install Floor Tiles											
RD-FN-DPCR-13	Install Walls Tiles	10	03-Sep-24	16-Sep-24																																																	█ Install Walls Tiles											
RD-FN-DPCR-14	Set Restroom Vanities	3	17-Sep-24	19-Sep-24																																																	█ Set Restroom Vanities											
RD-FN-DPCR-15	Install Light Fixtures & Trim	3	17-Sep-24	19-Sep-24																																																	█ Install Light Fixtures & Trim											
RD-FN-DPCR-16	Install Diffusers	2	17-Sep-24	18-Sep-24																																																	█ Install Diffusers											
RD-FN-DPCR-17	Install Fire Protection Trim	3	19-Sep-24	23-Sep-24																																																	█ Install Fire Protection Trim											
RD-FN-DPCR-18	Rough Clean	2	20-Sep-24	23-Sep-24																																																	█ Rough Clean											
RD-FN-DPCR-19	Set Restroom Plumbing Fixtures	3	24-Sep-24	26-Sep-24																																																	█ Set Restroom Plumbing Fixtures											
RD-FN-DPCR-20	Finish Paint	3	27-Sep-24	01-Oct-24																																																	█ Finish Paint											
RD-FN-DPCR-21	Install Restroom Toilet Partitions	2	02-Oct-24	03-Oct-24																																																	█ Install Restroom Toilet Partitions											
RD-FN-DPCR-22	Install Restroom Toilet Accessories	2	04-Oct-24	07-Oct-24																																																	█ Install Restroom Toilet Accessories											

█ Remaining Level of Effort   
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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
WestConcourse		177	29-Jul-24	08-Apr-25																																																												
RD-FN-DPW-10	Insulation Walls	5	29-Jul-24	02-Aug-24																																																												
RD-FN-DPW-11	Insulate Ceilings & Soffits	5	15-Oct-24	21-Oct-24																																																												
RD-FN-DPW-12	Hang Drywall Walls	10	22-Oct-24	04-Nov-24																																																												
RD-FN-DPW-13	Hang Hard Lid Ceilings	10	22-Oct-24	04-Nov-24																																																												
RD-FN-DPW-14	Tape and Finish Walls	15	05-Nov-24	25-Nov-24																																																												
RD-FN-DPW-15	Tape and Finish Ceilings	15	05-Nov-24	25-Nov-24																																																												
RD-FN-DPW-39	Install Glass Wall Panel System Framing	10	05-Nov-24	18-Nov-24																																																												
RD-FN-DPW-40	Procurement of Glass Wall Panels	60	19-Nov-24	14-Feb-25																																																												
RD-FN-DPW-16	Prime & One Coat Walls	7	26-Nov-24	06-Dec-24																																																												
RD-FN-DPW-17	Prime, First, Final Paint Ceilings	7	26-Nov-24	06-Dec-24																																																												
RD-FN-DPW-18	Install Ceiling Light Fixtures & Trim	10	27-Dec-24	10-Jan-25																																																												
RD-FN-DPW-19	Install Metal Ceiling Grid Borders & MEP	10	27-Dec-24	10-Jan-25																																																												
RD-FN-DPW-20	Hang Doors	5	27-Dec-24	03-Jan-25																																																												
RD-FN-DPW-21	Install Diffusers	10	06-Jan-25	17-Jan-25																																																												
RD-FN-DPW-22	Install Low Voltage Trim	5	13-Jan-25	17-Jan-25																																																												
RD-FN-DPW-23	Install Metal Ceiling Panels Field	15	20-Jan-25	07-Feb-25																																																												
RD-FN-DPW-24	Install Fire Protection Trim	3	20-Jan-25	22-Jan-25																																																												
RD-FN-DPW-25	Install Terrazzo Flooring	10	10-Feb-25	21-Feb-25																																																												
RD-FN-DPW-26	Install Column Covers	5	24-Feb-25	28-Feb-25																																																												
RD-FN-DPW-27	Install Interior Glass Wall Panels @ Elevators	10	24-Feb-25	07-Mar-25																																																												
RD-FN-DPW-28	Install Terrazzo Base	5	24-Feb-25	28-Feb-25																																																												
RD-FN-DPW-29	Final Paint	7	03-Mar-25	11-Mar-25																																																												
RD-FN-DPW-30	Install Light Fixtures & Trim Walls / Columns	5	03-Mar-25	07-Mar-25																																																												
RD-FN-DPW-31	Install Interior Glass Wall Panels	10	03-Mar-25	14-Mar-25																																																												
RD-FN-DPW-32	Install Door Hardware	3	12-Mar-25	14-Mar-25																																																												
RD-FN-DPW-33	Install Interior Specialties / Mounting Brackets / OFOI	10	12-Mar-25	25-Mar-25																																																												
RD-FN-DPW-34	Mill Work/Case work	15	12-Mar-25	01-Apr-25																																																												
RD-FN-DPW-35	Install Wood Ceiling	10	12-Mar-25	25-Mar-25																																																												
RD-FN-DPW-36	Install Terrazzo Precast Treads @ Grand Stair	5	12-Mar-25	18-Mar-25																																																												

- Insulation Walls
- Insulate Ceilings & Soffits
- Hang Drywall Walls
- Hang Hard Lid Ceilings
- Tape and Finish Walls
- Tape and Finish Ceilings
- Install Glass Wall Panel System Framing
- Procurement of Glass Wall Panels
- Prime & One Coat Walls
- Prime, First, Final Paint Ceilings
- Install Ceiling Light Fixtures & Trim
- Install Metal Ceiling Grid Borders & MEP
- Hang Doors
- Install Diffusers
- Install Low Voltage Trim
- Install Metal Ceiling Panels Field
- Install Fire Protection Trim
- Install Terrazzo Flooring
- Install Column Covers
- Install Interior Glass Wall Panels @ Elevators
- Install Terrazzo Base
- Final Paint
- Install Light Fixtures & Trim Walls / Columns
- Install Interior Glass Wall Panels
- Install Door Hardware
- Install Interior Specialties / Mounting Brackets / OFOI
- Mill Work/Case work
- Install Wood Ceiling
- Install Terrazzo Precast Treads @ Grand Stair

█ Remaining Level of Effort    █ Actual W...  
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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-DPW-37	Install Low Voltage Trim Walls / Columns	5	26-Mar-25	01-Apr-25																																																	█	Install Low Voltage Trim Walls / Columns										
RD-FN-DPW-38	Install Signage	5	02-Apr-25	08-Apr-25																																																	█	Install Signage										
Mechanical & Electrical Rooms		17	05-Aug-24	27-Aug-24																																																												
RD-FN-DPWM-10	Tape and Finish Drywall	5	05-Aug-24	09-Aug-24																																																	█	Tape and Finish Drywall										
RD-FN-DPWM-11	Install Fire Rated Backboards	1	12-Aug-24	12-Aug-24																																																	█	Install Fire Rated Backboards										
RD-FN-DPWM-12	Prime & One Coat Paint	3	13-Aug-24	15-Aug-24																																																	█	Prime & One Coat Paint										
RD-FN-DPWM-13	Install Low Voltage Devices	2	16-Aug-24	19-Aug-24																																																	█	Install Low Voltage Devices										
RD-FN-DPWM-14	Install Light Fixtures & Trim	3	16-Aug-24	20-Aug-24																																																	█	Install Light Fixtures & Trim										
RD-FN-DPWM-15	Start up Mechanical Equipment	5	16-Aug-24	22-Aug-24																																																	█	Start up Mechanical Equipment										
RD-FN-DPWM-16	Finish Paint	2	21-Aug-24	22-Aug-24																																																	█	Finish Paint										
RD-FN-DPWM-17	Install Seal Concrete Floor	2	23-Aug-24	26-Aug-24																																																	█	Install Seal Concrete Floor										
RD-FN-DPWM-18	Install Floor Base	1	27-Aug-24	27-Aug-24																																																	█	Install Floor Base										
Arrival Level Concourse		199	25-Jul-24	06-May-25																																																												
East Concourse		182	25-Jul-24	11-Apr-25																																																												
RD-FN-ARE-100	Insulation Walls	5	29-Oct-24	04-Nov-24																																																	█	Insulation Walls										
RD-FN-ARE-101	Insulate Ceilings & Soffits	5	29-Oct-24	04-Nov-24																																																	█	Insulate Ceilings & Soffits										
RD-FN-ARE-102	Hang Drywall Walls	10	05-Nov-24	18-Nov-24																																																	█	Hang Drywall Walls										
RD-FN-ARE-103	Hang Hard Lid Ceilings	10	05-Nov-24	18-Nov-24																																																	█	Hang Hard Lid Ceilings										
RD-FN-ARE-104	Tape and Finish Walls	10	19-Nov-24	04-Dec-24																																																	█	Tape and Finish Walls										
RD-FN-ARE-105	Tape and Finish Ceilings	10	19-Nov-24	04-Dec-24																																																	█	Tape and Finish Ceilings										
RD-FN-ARE-106	Prime & One Coat Walls	5	05-Dec-24	11-Dec-24																																																	█	Prime & One Coat Walls										
RD-FN-ARE-107	Prime, First, Final Paint Ceilings	5	05-Dec-24	11-Dec-24																																																	█	Prime, First, Final Paint Ceilings										
RD-FN-ARE-126	Install Glass Wall Panel System Framing	10	05-Dec-24	18-Dec-24																																																	█	Install Glass Wall Panel System Framing										
RD-FN-ARE-127	Procurement of Glass Wall Panels	60	19-Dec-24	14-Mar-25																																																	█	Procurement of Glass Wall Panels										
RD-FN-ARE-108	Install Ceiling Light Fixtures & Trim	5	13-Jan-25	17-Jan-25																																																	█	Install Ceiling Light Fixtures & Trim										
RD-FN-ARE-109	Install Metal Ceiling Grid Borders & MEP	10	13-Jan-25	24-Jan-25																																																	█	Install Metal Ceiling Grid Borders & MEP										
RD-FN-ARE-110	Hang Doors	5	13-Jan-25	17-Jan-25																																																	█	Hang Doors										
RD-FN-ARE-111	Install Diffusers	5	20-Jan-25	24-Jan-25																																																	█	Install Diffusers										
RD-FN-ARE-112	Install Fire Protection Trim	3	27-Jan-25	29-Jan-25																																																	█	Install Fire Protection Trim										
RD-FN-ARE-113	Install Low Voltage Trim	5	27-Jan-25	31-Jan-25																																																	█	Install Low Voltage Trim										

█ Remaining Level of Effort   
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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-ARE-114	Install Metal Ceiling Panels Field	10	03-Feb-25	14-Feb-25																																																	█ Install Metal Ceiling Panels Field											
RD-FN-ARE-115	Install Terrazzo Flooring	10	17-Feb-25	28-Feb-25																																																	█ Install Terrazzo Flooring											
RD-FN-ARE-116	Install Column Covers	3	03-Mar-25	05-Mar-25																																																	█ Install Column Covers											
RD-FN-ARE-117	Install Interior Glass Wall Panels @ Elevators	5	03-Mar-25	07-Mar-25																																																	█ Install Interior Glass Wall Panels @ Elevators											
RD-FN-ARE-118	Install Terrazzo Base	5	03-Mar-25	07-Mar-25																																																	█ Install Terrazzo Base											
RD-FN-ARE-119	Final Paint	5	10-Mar-25	14-Mar-25																																																	█ Final Paint											
RD-FN-ARE-120	Install Light Fixtures & Trim Walls / Columns	5	10-Mar-25	14-Mar-25																																																	█ Install Light Fixtures & Trim Walls / Columns											
RD-FN-ARE-122	Install Door Hardware	3	17-Mar-25	19-Mar-25																																																	█ Install Door Hardware											
RD-FN-ARE-123	Install Interior Specialties / Mounting Brackets / OFOI	10	17-Mar-25	28-Mar-25																																																	█ Install Interior Specialties / Mounting Brackets / OFOI											
RD-FN-ARE-121	Install Interior Glass Wall Panels	10	17-Mar-25	28-Mar-25																																																	█ Install Interior Glass Wall Panels											
RD-FN-ARE-124	Install Low Voltage Trim Walls / Columns	5	31-Mar-25	04-Apr-25																																																	█ Install Low Voltage Trim Walls / Columns											
RD-FN-ARE-125	Install Signage	5	07-Apr-25	11-Apr-25																																																	█ Install Signage											
Elevator Lobby		25	14-Nov-24	23-Dec-24																																																												
RD-FN-AREL-100	Frame & Top Down Walls	5	14-Nov-24	21-Nov-24																																																	█ Frame & Top Down Walls											
RD-FN-AREL-101	Frame Hard Lid Ceiling	5	14-Nov-24	21-Nov-24																																																	█ Frame Hard Lid Ceiling											
RD-FN-AREL-102	Electrical & Low Voltage Rough-in Walls	5	21-Nov-24	02-Dec-24																																																	█ Electrical & Low Voltage Rough-in Walls											
RD-FN-AREL-103	Hang, Tape, Finish Walls	5	02-Dec-24	09-Dec-24																																																	█ Hang, Tape, Finish Walls											
RD-FN-AREL-104	Hang, Tape, Finish Ceilings	5	02-Dec-24	09-Dec-24																																																	█ Hang, Tape, Finish Ceilings											
RD-FN-AREL-105	Prime, First, Final Paint Ceilings	5	09-Dec-24	16-Dec-24																																																	█ Prime, First, Final Paint Ceilings											
RD-FN-AREL-106	Prime & First Coat Walls	5	09-Dec-24	16-Dec-24																																																	█ Prime & First Coat Walls											
RD-FN-AREL-107	MEP Trim	5	16-Dec-24	23-Dec-24																																																	█ MEP Trim											
Mechanical Room		119	25-Jul-24	14-Jan-25																																																												
RD-FN-AREM-100	Start up Mechanical Equipment	5	25-Jul-24	31-Jul-24																																																	█ Start up Mechanical Equipment											
RD-FN-AREM-101	Tape and Finish Drywall	5	19-Dec-24	26-Dec-24																																																	█ Tape and Finish Drywall											
RD-FN-AREM-102	Install Fire Rated Backboards	1	27-Dec-24	27-Dec-24																																																	█ Install Fire Rated Backboards											
RD-FN-AREM-103	Prime & One Coat Paint	3	30-Dec-24	02-Jan-25																																																	█ Prime & One Coat Paint											
RD-FN-AREM-104	Install Low Voltage Devices	2	03-Jan-25	06-Jan-25																																																	█ Install Low Voltage Devices											
RD-FN-AREM-105	Install Light Fixtures & Trim	3	03-Jan-25	07-Jan-25																																																	█ Install Light Fixtures & Trim											
RD-FN-AREM-106	Finish Paint	2	08-Jan-25	09-Jan-25																																																	█ Finish Paint											
RD-FN-AREM-107	Install Seal Concrete Floor	2	10-Jan-25	13-Jan-25																																																	█ Install Seal Concrete Floor											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-AREM-108	Install Floor Base	1	14-Jan-25	14-Jan-25																																																	Install Floor Base											
Center Concourse		113	12-Nov-24	23-Apr-25																																																												
RD-FN-ARC-100	Insulation Walls	5	12-Nov-24	18-Nov-24																																																	Insulation Walls											
RD-FN-ARC-101	Insulate Ceilings & Soffits	5	12-Nov-24	18-Nov-24																																																	Insulate Ceilings & Soffits											
RD-FN-ARC-102	Hang Drywall Walls	10	19-Nov-24	04-Dec-24																																																	Hang Drywall Walls											
RD-FN-ARC-103	Hang Hard Lid Ceilings	10	19-Nov-24	04-Dec-24																																																	Hang Hard Lid Ceilings											
RD-FN-ARC-104	Tape and Finish Walls	10	05-Dec-24	18-Dec-24																																																	Tape and Finish Walls											
RD-FN-ARC-105	Tape and Finish Ceilings	10	05-Dec-24	18-Dec-24																																																	Tape and Finish Ceilings											
RD-FN-ARC-129	Install Glass Wall Panel System Framing	10	05-Dec-24	18-Dec-24																																																	Install Glass Wall Panel System Framing											
RD-FN-ARC-106	Prime & One Coat Walls	5	19-Dec-24	26-Dec-24																																																	Prime & One Coat Walls											
RD-FN-ARC-107	Prime, First, Final Paint Ceilings	5	19-Dec-24	26-Dec-24																																																	Prime, First, Final Paint Ceilings											
RD-FN-ARC-130	Procurement of Glass Wall Panels	60	19-Dec-24	14-Mar-25																																																	Procurement of Glass Wall Panels											
RD-FN-ARC-108	Install Ceiling Light Fixtures & Trim	10	27-Jan-25	07-Feb-25																																																	Install Ceiling Light Fixtures & Trim											
RD-FN-ARC-109	Install Metal Ceiling Grid Borders & MEP	10	27-Jan-25	07-Feb-25																																																	Install Metal Ceiling Grid Borders & MEP											
RD-FN-ARC-110	Hang Doors	3	27-Jan-25	29-Jan-25																																																	Hang Doors											
RD-FN-ARC-111	Install Diffusers	5	03-Feb-25	07-Feb-25																																																	Install Diffusers											
RD-FN-ARC-112	Install Fire Protection Trim	3	10-Feb-25	12-Feb-25																																																	Install Fire Protection Trim											
RD-FN-ARC-113	Install Low Voltage Trim	5	10-Feb-25	14-Feb-25																																																	Install Low Voltage Trim											
RD-FN-ARC-114	Install Metal Ceiling Panels Field	10	17-Feb-25	28-Feb-25																																																	Install Metal Ceiling Panels Field											
RD-FN-ARC-115	Install Terrazzo Flooring	10	03-Mar-25	14-Mar-25																																																	Install Terrazzo Flooring											
RD-FN-ARC-116	Install Column Covers	5	17-Mar-25	21-Mar-25																																																	Install Column Covers											
RD-FN-ARC-117	Install Wood Panel System at Monumental Stairs	15	17-Mar-25	04-Apr-25																																																	Install Wood Panel System at Monumental Stairs											
RD-FN-ARC-118	Install Terrazzo Base	5	17-Mar-25	21-Mar-25																																																	Install Terrazzo Base											
RD-FN-ARC-119	Final Paint	5	24-Mar-25	28-Mar-25																																																	Final Paint											
RD-FN-ARC-120	Install Light Fixtures & Trim Walls / Columns	5	24-Mar-25	28-Mar-25																																																	Install Light Fixtures & Trim Walls / Columns											
RD-FN-ARC-121	Install Interior Glass Wall Panels	10	24-Mar-25	04-Apr-25																																																	Install Interior Glass Wall Panels											
RD-FN-ARC-122	Install Door Hardware	3	31-Mar-25	02-Apr-25																																																	Install Door Hardware											
RD-FN-ARC-123	Install Interior Specialties / Mounting Brackets / OFOI	5	31-Mar-25	04-Apr-25																																																	Install Interior Specialties / Mounting Brackets / C											
RD-FN-ARC-124	Mill Work/Case work	15	31-Mar-25	18-Apr-25																																																	Mill Work/Case work											
RD-FN-ARC-125	Install Wood Ceiling	10	31-Mar-25	11-Apr-25																																																	Install Wood Ceiling											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RD-FN-ARC-126	Install Terrazzo Precast Treads @ Grand Stair	5	31-Mar-25	04-Apr-25																																																	█ Install Terrazzo Precast Treads @ Grand Stair											
RD-FN-ARC-127	Install Low Voltage Trim Walls / Columns	5	14-Apr-25	18-Apr-25																																																	█ Install Low Voltage Trim Walls / Columns											
RD-FN-ARC-128	Install Signage	3	21-Apr-25	23-Apr-25																																																	█ Install Signage											
Restrooms		45	19-Dec-24	21-Feb-25																																																												
RD-FN-ARCR-100	Tape and Finish Walls / Ceilings	7	19-Dec-24	30-Dec-24																																																	█ Tape and Finish Walls / Ceilings											
RD-FN-ARCR-101	Prime and Paint Walls / Ceilings	3	31-Dec-24	03-Jan-25																																																	█ Prime and Paint Walls / Ceilings											
RD-FN-ARCR-102	Install Floor Tiles	10	06-Jan-25	17-Jan-25																																																	█ Install Floor Tiles											
RD-FN-ARCR-103	Install Walls Tiles	10	20-Jan-25	31-Jan-25																																																	█ Install Walls Tiles											
RD-FN-ARCR-104	Set Restroom Vanities	3	03-Feb-25	05-Feb-25																																																	█ Set Restroom Vanities											
RD-FN-ARCR-105	Install Light Fixtures & Trim	3	03-Feb-25	05-Feb-25																																																	█ Install Light Fixtures & Trim											
RD-FN-ARCR-106	Install Diffusers	2	03-Feb-25	04-Feb-25																																																	█ Install Diffusers											
RD-FN-ARCR-107	Install Fire Protection Trim	3	05-Feb-25	07-Feb-25																																																	█ Install Fire Protection Trim											
RD-FN-ARCR-108	Rough Clean	2	06-Feb-25	07-Feb-25																																																	█ Rough Clean											
RD-FN-ARCR-109	Set Restroom Plumbing Fixtures	3	10-Feb-25	12-Feb-25																																																	█ Set Restroom Plumbing Fixtures											
RD-FN-ARCR-110	Finish Paint	3	13-Feb-25	17-Feb-25																																																	█ Finish Paint											
RD-FN-ARCR-111	Install Restroom Toilet Partitions	2	18-Feb-25	19-Feb-25																																																	█ Install Restroom Toilet Partitions											
RD-FN-ARCR-112	Install Restroom Toilet Accessories	2	20-Feb-25	21-Feb-25																																																	█ Install Restroom Toilet Accessories											
West Concourse		192	05-Aug-24	06-May-25																																																												
RD-FN-ARW-100	Insulation Walls	5	26-Nov-24	04-Dec-24																																																	█ Insulation Walls											
RD-FN-ARW-101	Insulate Ceilings & Soffits	5	26-Nov-24	04-Dec-24																																																	█ Insulate Ceilings & Soffits											
RD-FN-ARW-102	Hang Drywall Walls	10	05-Dec-24	18-Dec-24																																																	█ Hang Drywall Walls											
RD-FN-ARW-103	Hang Hard Lid Ceilings	10	05-Dec-24	18-Dec-24																																																	█ Hang Hard Lid Ceilings											
RD-FN-ARW-104	Tape and Finish Walls	10	19-Dec-24	03-Jan-25																																																	█ Tape and Finish Walls											
RD-FN-ARW-105	Tape and Finish Ceilings	10	19-Dec-24	03-Jan-25																																																	█ Tape and Finish Ceilings											
RD-FN-ARW-129	Install Glass Wall Panel System Framing	10	19-Dec-24	03-Jan-25																																																	█ Install Glass Wall Panel System Framing											
RD-FN-ARW-106	Prime & One Coat Walls	5	06-Jan-25	10-Jan-25																																																	█ Prime & One Coat Walls											
RD-FN-ARW-107	Prime, First, Final Paint Ceilings	5	06-Jan-25	10-Jan-25																																																	█ Prime, First, Final Paint Ceilings											
RD-FN-ARW-130	Procurement of Glass Wall Panels	60	06-Jan-25	28-Mar-25																																																	█ Procurement of Glass Wall Panels											
RD-FN-ARW-108	Install Ceiling Light Fixtures & Trim	10	10-Feb-25	21-Feb-25																																																	█ Install Ceiling Light Fixtures & Trim											
RD-FN-ARW-109	Install Metal Ceiling Grid Borders & MEP	10	10-Feb-25	21-Feb-25																																																	█ Install Metal Ceiling Grid Borders & MEP											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>RVCB - Elevators &amp; Escalators</b>		243	05-Feb-24	20-Jan-25																																																												
RVCB - Escalator 1 (East)		243	05-Feb-24	20-Jan-25																																																												
RR1-ESCA-1-10	Escalator 1 - Pit Ready for Equipment Installation	0		05-Feb-24																																																								◆ Escalator 1 - Pit Ready for Equipment Installation				
RR1-ESCA-1-11	Escalator 1 - Assemble & Set Truss Section Components	10	06-Feb-24	19-Feb-24																																																								■ Escalator 1 - Assemble & Set Truss Section Components				
RR1-ESCA-1-12	Escalator 1 - Assemble Escalator Deck & Frame	10	20-Feb-24	04-Mar-24																																																								■ Escalator 1 - Assemble Escalator Deck & Frame				
RR1-ESCA-1-13	Escalator 1 - Permanent Power to Escalator Available	0		24-Jul-24																																																								◆ Escalator 1 - Permanent Power to Escalator Available				
RR1-ESCA-1-14	Escalator 1 - Controls	10	06-Nov-24	19-Nov-24																																																								■ Escalator 1 - Controls				
RR1-ESCA-1-15	Escalator 1 - Final Framing	10	20-Nov-24	05-Dec-24																																																								■ Escalator 1 - Final Framing				
RR1-ESCA-1-17	Escalator 1 - Finish Trim	10	06-Dec-24	19-Dec-24																																																								■ Escalator 1 - Finish Trim				
RR1-ESCA-1-18	Escalator 1 - Initial Test & Adjust	10	20-Dec-24	06-Jan-25																																																								■ Escalator 1 - Initial Test & Adjust				
RR1-ESCA-1-19	Escalator 1 - Load Testing	10	07-Jan-25	20-Jan-25																																																								■ Escalator 1 - Load Testing				
RR1-ESCA-1-20	Escalator 1 - Escalator Ready for Certification Tests & Inspection	0		20-Jan-25																																																								◆ Escalator 1 - Escalator Ready for Certification Tests & Inspection				
RVCB - Escalator 2 (East)		228	05-Feb-24	27-Dec-24																																																												
RR2-ESCA-2-10	Escalator 2 - Pit Ready for Equipment Installation	0		05-Feb-24																																																								◆ Escalator 2 - Pit Ready for Equipment Installation				
RR2-ESCA-2-11	Escalator 2 - Assemble & Set Truss Section Components	5	05-Mar-24	11-Mar-24																																																								■ Escalator 2 - Assemble & Set Truss Section Components				
RR2-ESCA-2-12	Escalator 2 - Assemble Escalator Deck & Frame	5	12-Mar-24	18-Mar-24																																																								■ Escalator 2 - Assemble Escalator Deck & Frame				
RR2-ESCA-2-13	Escalator 2 - Permanent Power to Escalator Available	0		24-Jul-24																																																								◆ Escalator 2 - Permanent Power to Escalator Available				
RR2-ESCA-2-14	Escalator 2 - Controls	5	20-Nov-24	26-Nov-24																																																								■ Escalator 2 - Controls				
RR2-ESCA-2-15	Escalator 2 - Final Framing	5	27-Nov-24	05-Dec-24																																																								■ Escalator 2 - Final Framing				
RR2-ESCA-2-17	Escalator 2 - Finish Trim	5	06-Dec-24	12-Dec-24																																																								■ Escalator 2 - Finish Trim				
RR2-ESCA-2-18	Escalator 2 - Initial Test & Adjust	5	13-Dec-24	19-Dec-24																																																								■ Escalator 2 - Initial Test & Adjust				
RR2-ESCA-2-19	Escalator 2 - Load Testing	5	20-Dec-24	27-Dec-24																																																								■ Escalator 2 - Load Testing				
RR2-ESCA-2-20	Escalator 2 - Escalator Ready for Certification Tests & Inspection	0		27-Dec-24																																																								◆ Escalator 2 - Escalator Ready for Certification Tests & Inspection				
RVCB - Escalator 3 (West)		203	18-Mar-24	06-Jan-25																																																												
RR1-ESCA-3-10	Escalator 3 - Pit Ready for Equipment Installation	0		18-Mar-24																																																								◆ Escalator 3 - Pit Ready for Equipment Installation				
RR1-ESCA-3-11	Escalator 3 - Assemble & Set Truss Section Components	10	19-Mar-24	01-Apr-24																																																								■ Escalator 3 - Assemble & Set Truss Section Components				
RR1-ESCA-3-13	Escalator 3 - Assemble Escalator Deck & Frame	10	02-Apr-24	15-Apr-24																																																								■ Escalator 3 - Assemble Escalator Deck & Frame				
RR1-ESCA-3-14	Escalator 3 - Permanent Power to Escalator Available	0		24-Jul-24																																																								◆ Escalator 3 - Permanent Power to Escalator Available				
RR1-ESCA-3-15	Escalator 3 - Controls	5	27-Nov-24	05-Dec-24																																																								■ Escalator 3 - Controls				
RR1-ESCA-3-16	Escalator 3 - Final Framing	5	06-Dec-24	12-Dec-24																																																								■ Escalator 3 - Final Framing				

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RR1-ESCA-3-17	Escalator 3 - Finish Trim	5	13-Dec-24	19-Dec-24																																																	Escalator 3 - Finish Trim											
RR1-ESCA-3-18	Escalator 3 - Initial Test & Adjust	5	20-Dec-24	27-Dec-24																																																	Escalator 3 - Initial Test & Adjust											
RR1-ESCA-3-19	Escalator 3 - Load Testing	5	30-Dec-24	06-Jan-25																																																	Escalator 3 - Load Testing											
RR1-ESCA-3-20	Escalator 3 - Escalator Ready for Certification Tests & Inspection	0		06-Jan-25																																																	Escalator 3 - Escalator Ready for Certification Tests & Inspection											
RVCB - Escalator 4 (West)		188	15-Apr-24	13-Jan-25																																																												
RR2-ESCA-4-10	Escalator 4 - Pit Ready for Equipment Installation	0		15-Apr-24																																																	Escalator 4 - Pit Ready for Equipment Installation											
RR2-ESCA-4-11	Escalator 4 - Assemble & Set Truss Section Components	5	16-Apr-24	22-Apr-24																																																	Escalator 4 - Assemble & Set Truss Section Components											
RR2-ESCA-4-12	Escalator 4 - Assemble Escalator Deck & Frame	5	23-Apr-24	29-Apr-24																																																	Escalator 4 - Assemble Escalator Deck & Frame											
RR2-ESCA-4-13	Escalator 4 - Permanent Power to Escalator Available	0		24-Jul-24																																																	Escalator 4 - Permanent Power to Escalator Available											
RR2-ESCA-4-14	Escalator 4 - Controls	5	06-Dec-24	12-Dec-24																																																	Escalator 4 - Controls											
RR2-ESCA-4-15	Escalator 4 - Final Framing	5	13-Dec-24	19-Dec-24																																																	Escalator 4 - Final Framing											
RR2-ESCA-4-17	Escalator 4 - Finish Trim	5	20-Dec-24	27-Dec-24																																																	Escalator 4 - Finish Trim											
RR2-ESCA-4-18	Escalator 4 - Initial Test & Adjust	5	30-Dec-24	06-Jan-25																																																	Escalator 4 - Initial Test & Adjust											
RR2-ESCA-4-19	Escalator 4 - Load Testing	5	07-Jan-25	13-Jan-25																																																	Escalator 4 - Load Testing											
RR2-ESCA-4-20	Escalator 4 - Escalator Ready for Certification Tests & Inspection	0		13-Jan-25																																																	Escalator 4 - Escalator Ready for Certification Tests & Inspection											
RVCB - Elevator 1		206	06-Mar-24	18-Dec-24																																																												
RR1-ELEV-1-11	Elevator 1-3- Set Elevator Tube Steel & Divider Beams	10	06-Mar-24	19-Mar-24																																																	Elevator 1-3- Set Elevator Tube Steel & Divider Beams											
RR1-ELEV-1-13	Elevator 1- Install Elevator Rails	5	20-Jun-24	26-Jun-24																																																	Elevator 1- Install Elevator Rails											
RR1-ELEV-1-15	Elevator 1- Set Elevator Equipment in Shaft	1	27-Jun-24	27-Jun-24																																																	Elevator 1- Set Elevator Equipment in Shaft											
RR1-ELEV-1-22	Elevator 1- Install Platform & Weights	5	28-Jun-24	04-Jul-24																																																	Elevator 1- Install Platform & Weights											
RR1-ELEV-1-16	Elevator 1- Install Hoistway Electrical Cabling	5	28-Jun-24	04-Jul-24																																																	Elevator 1- Install Hoistway Electrical Cabling											
RR1-ELEV-1-23	Elevator 1- Install Elevator Equipment in Pit	5	05-Jul-24	11-Jul-24																																																	Elevator 1- Install Elevator Equipment in Pit											
RR1-ELEV-1-24	Elevator 1- Install Elevator Pit Lighting & Outlets	2	12-Jul-24	15-Jul-24																																																	Elevator 1- Install Elevator Pit Lighting & Outlets											
RR1-ELEV-1-18	Elevator 1- Install Cab	5	16-Jul-24	22-Jul-24																																																	Elevator 1- Install Cab											
RR1-ELEV-1-26	Elevator 1- Set Fronts and Call Boxes	5	23-Jul-24	29-Jul-24																																																	Elevator 1- Set Fronts and Call Boxes											
RR1-ELEV-1-17	Elevator 1- Install Elevator Doors	3	30-Jul-24	01-Aug-24																																																	Elevator 1- Install Elevator Doors											
RR1-ELEV-1-25	Elevator 1- Connect Elevator Electrical Equipment	5	30-Jul-24	05-Aug-24																																																	Elevator 1- Connect Elevator Electrical Equipment											
RR1-ELEV-1-20	Elevator 1- Install Elevator Cab Finishes	3	02-Aug-24	06-Aug-24																																																	Elevator 1- Install Elevator Cab Finishes											
RR1-ELEV-1-27	Elevator 1- Elevator Equipment Startup	2	06-Aug-24	07-Aug-24																																																	Elevator 1- Elevator Equipment Startup											
RR1-ELEV-1-21	Elevator 1- Install Elevator Cab Flooring	2	07-Aug-24	08-Aug-24																																																	Elevator 1- Install Elevator Cab Flooring											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>RVCB - Elevator 3</b>		61	23-Sep-24	16-Dec-24																																																												
RR1-ELEV-3-13	Elevator 3- Install Elevator Rails	5	23-Sep-24	27-Sep-24																																																	Elevator 3- Install Elevator Rails											
RR1-ELEV-3-15	Elevator 3- Set Elevator Equipment in Shaft	1	30-Sep-24	30-Sep-24																																																	Elevator 3- Set Elevator Equipment in Shaft											
RR1-ELEV-3-16	Elevator 3- Install Hoistway Electrical Cabling	5	01-Oct-24	07-Oct-24																																																	Elevator 3- Install Hoistway Electrical Cabling											
RR1-ELEV-3-22	Elevator 3- Install Platform & Weights	5	02-Oct-24	08-Oct-24																																																	Elevator 3- Install Platform & Weights											
RR1-ELEV-3-23	Elevator 3- Install Elevator Equipment in Pit	5	09-Oct-24	15-Oct-24																																																	Elevator 3- Install Elevator Equipment in Pit											
RR1-ELEV-3-24	Elevator 3- Install Elevator Pit Lighting & Outlets	2	16-Oct-24	17-Oct-24																																																	Elevator 3- Install Elevator Pit Lighting & Outlets											
RR1-ELEV-3-18	Elevator 3- Install Cab	5	18-Oct-24	24-Oct-24																																																	Elevator 3- Install Cab											
RR1-ELEV-3-26	Elevator 3- Set Fronts and Call Boxes	5	25-Oct-24	31-Oct-24																																																	Elevator 3- Set Fronts and Call Boxes											
RR1-ELEV-3-17	Elevator 3- Install Elevator Doors	3	01-Nov-24	05-Nov-24																																																	Elevator 3- Install Elevator Doors											
RR1-ELEV-3-25	Elevator 3- Connect Elevator Electrical Equipment	5	01-Nov-24	07-Nov-24																																																	Elevator 3- Connect Elevator Electrical Equipment											
RR1-ELEV-3-20	Elevator 3- Install Elevator Cab Finishes	3	06-Nov-24	08-Nov-24																																																	Elevator 3- Install Elevator Cab Finishes											
RR1-ELEV-3-27	Elevator 3- Elevator Equipment Startup	2	08-Nov-24	11-Nov-24																																																	Elevator 3- Elevator Equipment Startup											
RR1-ELEV-3-21	Elevator 3- Install Elevator Cab Flooring	2	11-Nov-24	12-Nov-24																																																	Elevator 3- Install Elevator Cab Flooring											
RR1-ELEV-3-28	Elevator 3- Adjust & Test Elevators	5	12-Nov-24	18-Nov-24																																																	Elevator 3- Adjust & Test Elevators											
RR1-ELEV-3-30	Elevator 3- Complete Phone / FA / Security / E-Power Interface	5	19-Nov-24	25-Nov-24																																																	Elevator 3- Complete Phone / FA / Security / E-Power Interface											
RR1-ELEV-3-14	Elevator 3- Install Elevator Divider Screens	2	19-Nov-24	20-Nov-24																																																	Elevator 3- Install Elevator Divider Screens											
RR1-ELEV-3-31	Elevator 3- Prepare Elevator Punchlist	3	26-Nov-24	28-Nov-24																																																	Elevator 3- Prepare Elevator Punchlist											
RR1-ELEV-3-32	Elevator 3- State Elevator Inspection	1	29-Nov-24	29-Nov-24																																																	Elevator 3- State Elevator Inspection											
RR1-ELEV-3-33	Elevator 3- Punchlist Completion	5	02-Dec-24	06-Dec-24																																																	Elevator 3- Punchlist Completion											
RR1-ELEV-3-34	Elevator 3- Acceptance by State Elevator Inspector	5	09-Dec-24	13-Dec-24																																																	Elevator 3- Acceptance by State Elevator Inspector											
RR1-ELEV-3-35	Elevator 3- Final Clean	1	16-Dec-24	16-Dec-24																																																	Elevator 3- Final Clean											
<b>Finish Site Improvements</b>		62	27-Feb-25	23-May-25																																																												
<b>Landscape</b>		35	07-Apr-25	23-May-25																																																												
SheetL003		35	07-Apr-25	23-May-25																																																												
RD-EXT-LD-10	Plant Trees & Mulch	5	07-Apr-25	11-Apr-25																																																	Plant Trees & Mulch											
RD-EXT-LD-14	Modify Irrigation	5	05-May-25	09-May-25																																																	Modify Irrigation											
RD-EXT-LD-18	Plant Shrubs & Plants	5	12-May-25	16-May-25																																																	Plant Shrubs & Plants											
RD-EXT-LD-22	Lay Sod	5	19-May-25	23-May-25																																																	Lay Sod											
SheetL004		30	14-Apr-25	23-May-25																																																												

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026												
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
RRTE23	FRP Planter Boxes	5	05-May-25	09-May-25																																																													FRP Planter Boxes
RRTE21	FRP Accessible Curb Ramps	5	08-May-25	14-May-25																																																													FRP Accessible Curb Ramps
RRTE25	Waterproofing & Flood Test Planter Box	3	12-May-25	14-May-25																																																													Waterproofing & Flood Test Planter Box
RRTE24	Install Bollards	5	15-May-25	21-May-25																																																													Install Bollards
RRTE28	Install Site Furnishings & Specialties	5	15-May-25	21-May-25																																																													Install Site Furnishings & Specialties
RRTE26	Planter Box Irrigation and Drainage	3	19-May-25	21-May-25																																																													Planter Box Irrigation and Drainage
RRTE27	Planter Box Planting	2	22-May-25	23-May-25																																																													Planter Box Planting
<b>Red Vertical Circulation Bldg. Testing &amp; Commissioning</b>		212	24-Jul-24	23-May-25																																																													
<b>HHW Balance</b>		5	13-Feb-25	19-Feb-25																																																													
RR-TSCOM-22	Domestic HW / CW Chlorinate, Flush, Test & Balance	5	13-Feb-25	19-Feb-25																																																													Domestic HW / CW Chlorinate, Flush, Test & Balance
<b>CHW Balance</b>		7	25-Jul-24	02-Aug-24																																																													
RR-TSCOM-18	CW Flush	7	25-Jul-24	02-Aug-24																																																													CW Flush
RR-TSCOM-19	Conditioned Air Available	0		02-Aug-24																																																													Conditioned Air Available
<b>Electrical</b>		177	24-Jul-24	04-Apr-25																																																													
RR-TSCOM-13	480 Power Available to Elevators	0		24-Jul-24																																																													480 Power Available to Elevators
RR-TSCOM-14	Perm Power Available	0		24-Jul-24																																																													Perm Power Available
RR-TSCOM-15	Systems Testing & Commissioning	30	24-Feb-25	04-Apr-25																																																													Systems Testing & Commissioning
<b>TAB HVAC</b>		20	27-Jan-25	21-Feb-25																																																													
RR-TSCOM-10	HVAC Test and Balance	20	27-Jan-25	21-Feb-25																																																													HVAC Test and Balance
<b>Auto Door Testing</b>		5	12-May-25	16-May-25																																																													
RR-TSCOM-11	Auto Door Test & Commissioning	5	12-May-25	16-May-25																																																													Auto Door Test & Commissioning
<b>Security System</b>		10	05-May-25	16-May-25																																																													
RR-TSCOM-23	Test & Commission Security System	5	05-May-25	09-May-25																																																													Test & Commission Security System
RR-TSCOM-25	Test & Commission Communications System	10	05-May-25	16-May-25																																																													Test & Commission Communications System
<b>Fire Protection</b>		5	19-May-25	23-May-25																																																													
RR-TSCOM-20	Test & Commission Fire Protection System	5	19-May-25	23-May-25																																																													Test & Commission Fire Protection System
<b>Fire Alarm</b>		5	05-May-25	09-May-25																																																													
RR-TSCOM-24	Test & Commission Fire Alarm System	5	05-May-25	09-May-25																																																													Test & Commission Fire Alarm System
<b>Elevators &amp; Escalators</b>		28	16-Dec-24	27-Jan-25																																																													
RR-TSCOM-17	Pre-Certification Testing Elevators 1-3	5	16-Dec-24	23-Dec-24																																																													Pre-Certification Testing Elevators 1-3

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RR-TSCOM-26	Pre-Certification Testing Escalators 2&4	5	14-Jan-25	20-Jan-25																																																	Pre-Certification Testing Escalators 2&4											
RR-TSCOM-16	Pre-Certification Testing Escalators 1&3	5	21-Jan-25	27-Jan-25																																																	Pre-Certification Testing Escalators 1&3											
<b>Red Vertical Circulation Bldg. Punch List &amp; Acceptance</b>		121	07-Mar-25	25-Aug-25																																																												
RR-ACC-11	Life Safety Systems Ready for Elevator Inspection	0		07-Mar-25																																																	Life Safety Systems Ready for Elevator Inspection											
RR-ACC-12	State Elevator/Escalator Inspection & Certification	15	10-Mar-25	28-Mar-25																																																	State Elevator/Escalator Inspection & Certification											
RR-ACC-13	Prep & Submit Pre-SC Documentation	20	12-May-25	06-Jun-25																																																	Prep & Submit Pre-SC Documentation											
RR-ACC-14	SC Final Clean	5	19-May-25	23-May-25																																																	SC Final Clean											
RR-ACC-15	Substantial Completion Inspection	2	26-May-25	27-May-25																																																	Substantial Completion Inspection											
RR-ACC-16	Substantial Completion Achieved	0		27-May-25*																																																	Substantial Completion Achieved											
RR-ACC-17	Owner Issues Contract Punch List to HP/HNTB	14	28-May-25	10-Jun-25																																																	Owner Issues Contract Punch List to HP/HNTB											
RR-ACC-18	HP Pre SC QC Inspection	2	09-Jun-25	10-Jun-25																																																	HP Pre SC QC Inspection											
RR-ACC-19	HP/HNTB Pre SC QC Corrections	10	11-Jun-25	24-Jun-25																																																	HP/HNTB Pre SC QC Corrections											
RR-ACC-20	Furnish Owner with Expected Punch Items and Docs	0		24-Jun-25																																																	Furnish Owner with Expected Punch Items and Docs											
RR-ACC-21	Contract Punch List (60 Days Max by Contract)	60	25-Jun-25	23-Aug-25																																																	Contract Punch List (60 Days Max by Contract)											
RR-ACC-22	Final Inspection	1	25-Aug-25	25-Aug-25																																																	Final Inspection											
RR-ACC-23	Red Curbside Expansion Final Completion	0		25-Aug-25																																																	Red Curbside Expansion Final Completion											
<b>Red Curbside Expansion Roadways</b>		476	11-Jul-22	22-May-24																																																												
<b>Lower Roadways</b>		401	11-Jul-22	07-Feb-24																																																												
<b>Entrance</b>		396	11-Jul-22	31-Jan-24																																																												
RD-LWR-41	Clear and Grub	5	11-Jul-22	15-Jul-22																																																	Clear and Grub											
RD-LWR-42	Install MOT	5	11-Jul-22	15-Jul-22																																																	Install MOT											
RD-LWR-30	Install Drainage Structures - Entrance Ramp	15	18-Jul-22	05-Aug-22																																																	Install Drainage Structures - Entrance Ramp											
RD-LWR-45	Backfill & Compact	5	08-Aug-22	12-Aug-22																																																	Backfill & Compact											
RD-LWR-43	Install Temp Roadway	15	15-Aug-22	02-Sep-22																																																	Install Temp Roadway											
RD-LWR-26	Install MSE Wall	15	06-Sep-22	26-Sep-22																																																	Install MSE Wall											
RD-LWR-28	Backfill at MSE Wall / Rough Grade	10	27-Sep-22	10-Oct-22																																																	Backfill at MSE Wall / Rough Grade											
RD-LWR-33	Construction Entrance Roadway	20	11-Oct-22	07-Nov-22																																																	Construction Entrance Roadway											
RD-LWR-31	UG Electrical	5	11-Oct-22	17-Oct-22																																																	UG Electrical											
RD-LWR-32	FRP Pole Bases	5	18-Oct-22	24-Oct-22																																																	FRP Pole Bases											
RD-LWR-34	Form Entrance Bridge Approach Slab	10	08-Nov-22	21-Nov-22																																																	Form Entrance Bridge Approach Slab											







Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Bent1</b>					21	08-Dec-22	09-Jan-23																																																									
UR-ENTS-13	FRP Footer at Bent 1 - Entrance	7	08-Dec-22	16-Dec-22	■ FRP Footer at Bent 1 - Entrance																																																											
UR-ENTS-14	FRP Columns at Bent 1 - Entrance	6	19-Dec-22	27-Dec-22	■ FRP Columns at Bent 1 - Entrance																																																											
UR-ENTS-15	FRP Straddle Cap at Bent 1 - Entrance	8	28-Dec-22	09-Jan-23	■ FRP Straddle Cap at Bent 1 - Entrance																																																											
<b>Bent2</b>					21	10-Jan-23	07-Feb-23																																																									
UR-ENTS-16	FRP Footer at Bent 2 - Entrance	7	10-Jan-23	18-Jan-23	■ FRP Footer at Bent 2 - Entrance																																																											
UR-ENTS-17	FRP Columns at Bent 2 - Entrance	6	19-Jan-23	26-Jan-23	■ FRP Columns at Bent 2 - Entrance																																																											
UR-ENTS-18	FRP Straddle Cap at Bent 2 - Entrance	8	27-Jan-23	07-Feb-23	■ FRP Straddle Cap at Bent 2 - Entrance																																																											
<b>Bent3</b>					21	08-Feb-23	08-Mar-23																																																									
UR-ENTS-19	FRP Footer at Bent 3 - Entrance	7	08-Feb-23	16-Feb-23	■ FRP Footer at Bent 3 - Entrance																																																											
UR-ENTS-20	FRP Columns at Bent 3 - Entrance	6	17-Feb-23	24-Feb-23	■ FRP Columns at Bent 3 - Entrance																																																											
UR-ENTS-21	FRP Straddle Cap at Bent 3 - Entrance	8	27-Feb-23	08-Mar-23	■ FRP Straddle Cap at Bent 3 - Entrance																																																											
<b>Bent4</b>					21	09-Mar-23	06-Apr-23																																																									
UR-ENTS-23	FRP Footer at Bent 4 - Entrance	7	09-Mar-23	17-Mar-23	■ FRP Footer at Bent 4 - Entrance																																																											
UR-ENTS-25	FRP Columns at Bent 4 - Entrance	6	20-Mar-23	27-Mar-23	■ FRP Columns at Bent 4 - Entrance																																																											
UR-ENTS-29	FRP Straddle Cap at Bent 4 - Entrance	8	28-Mar-23	06-Apr-23	■ FRP Straddle Cap at Bent 4 - Entrance																																																											
<b>Bent5</b>					21	07-Apr-23	05-May-23																																																									
UR-ENTS-32	FRP Footer at Bent 5 - Entrance	7	07-Apr-23	17-Apr-23	■ FRP Footer at Bent 5 - Entrance																																																											
UR-ENTS-35	FRP Column at Bent 5 - Entrance	6	18-Apr-23	25-Apr-23	■ FRP Column at Bent 5 - Entrance																																																											
UR-ENTS-38	FRP Cap Forms at Bent 5 - Entrance	8	26-Apr-23	05-May-23	■ FRP Cap Forms at Bent 5 - Entrance																																																											
<b>Bent6</b>					19	08-May-23	02-Jun-23																																																									
UR-ENTS-42	FRP Footer at Bent 6 - Entrance	7	08-May-23	16-May-23	■ FRP Footer at Bent 6 - Entrance																																																											
UR-ENTS-46	FRP Column at Bent 6 - Entrance	6	17-May-23	24-May-23	■ FRP Column at Bent 6 - Entrance																																																											
UR-ENTS-48	Install Cap Forms at Bent 6 - Entrance	6	25-May-23	02-Jun-23	■ Install Cap Forms at Bent 6 - Entrance																																																											
<b>Bent7</b>					21	05-Jun-23	03-Jul-23																																																									
UR-ENTS-52	FRP Footer at Bent 7 - Entrance	7	05-Jun-23	13-Jun-23	■ FRP Footer at Bent 7 - Entrance																																																											
UR-ENTS-55	FRP Columns at Bent 7 - Entrance	6	14-Jun-23	21-Jun-23	■ FRP Columns at Bent 7 - Entrance																																																											
UR-ENTS-58	FRP Straddle Cap at Bent 7 - Entrance	8	22-Jun-23	03-Jul-23	■ FRP Straddle Cap at Bent 7 - Entrance																																																											
<b>Bent8</b>					21	05-Jul-23	02-Aug-23																																																									
UR-ENTS-61	FRP Footer at Bent 8 - Entrance	7	05-Jul-23	13-Jul-23	■ FRP Footer at Bent 8 - Entrance																																																											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Deck 3</b>					18	21-Apr-23	16-May-23																																																									
UR-MTB-51	Install W24x192 Deck Beams Pour 3	5	21-Apr-23	27-Apr-23	Install W24x192 Deck Beams Pour 3																																																											
UR-MTB-57	Install Diaphragms Pour 3	5	01-May-23	05-May-23	Install Diaphragms Pour 3																																																											
UR-MTB-63	Install Deck Forms Pour 3	3	08-May-23	10-May-23	Install Deck Forms Pour 3																																																											
UR-MTB-64	Install Deck Rebar Pour 3	3	11-May-23	15-May-23	Install Deck Rebar Pour 3																																																											
UR-MTB-71	Place Deck Concrete Pour 3	1	16-May-23	16-May-23	Place Deck Concrete Pour 3																																																											
<b>Deck 4</b>					18	30-Jun-23	27-Jul-23																																																									
UR-MTB-81	Install W24x192 Deck Beams Pour 4	5	30-Jun-23	10-Jul-23	Install W24x192 Deck Beams Pour 4																																																											
UR-MTB-82	Install Diaphragms Pour 4	5	11-Jul-23	18-Jul-23	Install Diaphragms Pour 4																																																											
UR-MTB-84	Install Deck Forms Pour 4	3	18-Jul-23	21-Jul-23	Install Deck Forms Pour 4																																																											
UR-MTB-85	Install Deck Rebar Pour 3	3	21-Jul-23	26-Jul-23	Install Deck Rebar Pour 3																																																											
UR-MTB-72	Place Deck Concrete Pour 4	1	26-Jul-23	27-Jul-23	Place Deck Concrete Pour 4																																																											
<b>Main Terminal Bridge</b>					30	27-Jul-23	08-Sep-23																																																									
<b>South</b>					15	27-Jul-23	17-Aug-23																																																									
UR-MTB-52	Form/Place Concrete for South Curb	5	27-Jul-23	03-Aug-23	Form/Place Concrete for South Curb																																																											
UR-MTB-56	Form/Place Concrete for South Traffic Rail	10	03-Aug-23	17-Aug-23	Form/Place Concrete for South Traffic Rail																																																											
<b>North</b>					15	17-Aug-23	08-Sep-23																																																									
UR-MTB-59	Form/Place Concrete for North Curb	10	17-Aug-23	31-Aug-23	Form/Place Concrete for North Curb																																																											
UR-MTB-65	Form/Place Concrete for North Traffic Rail	5	31-Aug-23	08-Sep-23	Form/Place Concrete for North Traffic Rail																																																											
<b>Finishes</b>					35	03-Aug-23	22-Sep-23																																																									
UR-MTB-54	URW 1506 - 1511 - Rough-in Road Deck Lighting	5	03-Aug-23	10-Aug-23	URW 1506 - 1511 - Rough-in Road Deck Lighting																																																											
UR-MTB-55	URW 1506 - 1511 - Rough-in Road Deck Drainage	5	03-Aug-23	10-Aug-23	URW 1506 - 1511 - Rough-in Road Deck Drainage																																																											
UR-MTB-58	URW 1506 - 1511 - FRP Roadway Traffic Rails	7	10-Aug-23	21-Aug-23	URW 1506 - 1511 - FRP Roadway Traffic Rails																																																											
UR-MTB-61	URW 1506 - 1511 - Install Roadway Signage	10	21-Aug-23	05-Sep-23	URW 1506 - 1511 - Install Roadway Signage																																																											
UR-MTB-62	URW 1506 - 1511 - Install Roadway Lighting	10	21-Aug-23	05-Sep-23	URW 1506 - 1511 - Install Roadway Lighting																																																											
UR-MTB-66	URW 1506 - 1511 - Install Drainage Trim	10	05-Sep-23	19-Sep-23	URW 1506 - 1511 - Install Drainage Trim																																																											
UR-MTB-67	URW 1506 - 1511 - Install Fire Protection Piping & Heads	10	05-Sep-23	19-Sep-23	URW 1506 - 1511 - Install Fire Protection Piping & Heads																																																											
UR-MTB-60	URW 1506 - 1511 - Install Roadway Markings	10	08-Sep-23	22-Sep-23	URW 1506 - 1511 - Install Roadway Markings																																																											
<b>RSU-STA 1511 - 1517 - Upper Plan 3 B-C006-6 Exit Ramp</b>					270	22-Dec-22	16-Jan-24																																																									
<b>Foundations</b>					20	22-Dec-22	20-Jan-23																																																									

█ Remaining Level of Effort   
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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
UR-EXR-45	Place Concrete at Spans 7.5 to 5.5 - Exit	1	06-Nov-23	06-Nov-23																									Place Concrete at Spans 7.5 to 5.5 - Exit																																			
Span 5.5 to 3.5		11	07-Nov-23	21-Nov-23																																																												
UR-EXR-46	Install Scaffolding at Spans 5.5 to 3.5 - Exit	5	07-Nov-23	13-Nov-23																									Install Scaffolding at Spans 5.5 to 3.5 - Exit																																			
UR-EXR-48	Form at Spans 5.5 to 3.5 - Exit	3	14-Nov-23	16-Nov-23																									Form at Spans 5.5 to 3.5 - Exit																																			
UR-EXR-49	Install Rebar at Spans 5.5 to 3.5 - Exit	3	16-Nov-23	20-Nov-23																									Install Rebar at Spans 5.5 to 3.5 - Exit																																			
UR-EXR-50	Place Concrete at Spans 5.5 to 3.5 - Exit	1	21-Nov-23	21-Nov-23																									Place Concrete at Spans 5.5 to 3.5 - Exit																																			
Span 3.5 to 1		11	22-Nov-23	08-Dec-23																																																												
UR-EXR-52	Install Scaffolding at Spans 3.5 to 1 - Exit	5	22-Nov-23	30-Nov-23																									Install Scaffolding at Spans 3.5 to 1 - Exit																																			
UR-EXR-53	Form at Spans 3.5 to 1 - Exit	3	01-Dec-23	05-Dec-23																									Form at Spans 3.5 to 1 - Exit																																			
UR-EXR-55	Install Rebar at Spans 3.5 to 1 - Exit	3	05-Dec-23	07-Dec-23																									Install Rebar at Spans 3.5 to 1 - Exit																																			
UR-EXR-56	Place Concrete at Spans 3.5 to 1 - Exit	1	08-Dec-23	08-Dec-23																									Place Concrete at Spans 3.5 to 1 - Exit																																			
Railing		10	11-Dec-23	22-Dec-23																																																												
UR-EXR-76	Form/Place Concrete North Side Railing - Exit	5	11-Dec-23	15-Dec-23																									Form/Place Concrete North Side Railing - Exit																																			
UR-EXR-79	Form/Place Concrete South Side Railing - Exit	5	18-Dec-23	22-Dec-23																									Form/Place Concrete South Side Railing - Exit																																			
Finishes		25	11-Dec-23	16-Jan-24																																																												
BRW-U-180	URW 1511 - 1517 - Rough-in Road Deck Lighting	5	11-Dec-23	15-Dec-23																									URW 1511 - 1517 - Rough-in Road Deck Lighting																																			
BRW-U-181	URW 1511 - 1517 - Rough-in Road Deck Drainage	5	11-Dec-23	15-Dec-23																									URW 1511 - 1517 - Rough-in Road Deck Drainage																																			
BRW-U-182	URW 1511 - 1517 - FRP Roadway Traffic Rails	10	18-Dec-23	02-Jan-24																									URW 1511 - 1517 - FRP Roadway Traffic Rails																																			
BRW-U-183	URW 1511 - 1517 - Install Roadway Markings	5	03-Jan-24	09-Jan-24																									URW 1511 - 1517 - Install Roadway Markings																																			
BRW-U-184	URW 1511 - 1517 - Install Roadway Signage	5	03-Jan-24	09-Jan-24																									URW 1511 - 1517 - Install Roadway Signage																																			
BRW-U-185	URW 1511 - 1517 - Install Roadway Lighting	5	03-Jan-24	09-Jan-24																									URW 1511 - 1517 - Install Roadway Lighting																																			
BRW-U-186	URW 1511 - 1517 - Install Drainage Trim	5	10-Jan-24	16-Jan-24																									URW 1511 - 1517 - Install Drainage Trim																																			
Red Side Roadway Canopy		223	10-Feb-23	27-Dec-23																																																												
Red Side Roadway Canopy STA 1506 - 1511		223	10-Feb-23	27-Dec-23																																																												
UR-MTB-53	FRP Concrete Canopy Columns	20	10-Feb-23	09-Mar-23																									FRP Concrete Canopy Columns																																			
RRD-6010	Erect Steel & Gutter Framing at Roadway Canopy	15	10-Mar-23	30-Mar-23																									Erect Steel & Gutter Framing at Roadway Canopy																																			
RRD-6020	Deck and Detail at Roadway Canopy	15	31-Mar-23	20-Apr-23																									Deck and Detail at Roadway Canopy																																			
RRD-6030	Install Roof & Gutter System at Roadway Canopy	20	27-Jul-23	24-Aug-23																									Install Roof & Gutter System at Roadway Canopy																																			
RRD-6940	Fire Sprinkler Mains / Branch Lines	20	10-Aug-23	08-Sep-23																									Fire Sprinkler Mains / Branch Lines																																			
RRD-7080	OH Electrical Rough-In	20	10-Aug-23	08-Sep-23																									OH Electrical Rough-In																																			

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RRD-6950	Light Fixtures Support Wires	15	22-Aug-23	13-Sep-23																									■ Light Fixtures Support Wires																																			
RRD-6960	Metal Panel Supports	15	13-Sep-23	04-Oct-23																									■ Metal Panel Supports																																			
RRD-6970	Fire Sprinkler Drops	15	04-Oct-23	25-Oct-23																									■ Fire Sprinkler Drops																																			
RRD-6980	Install Lighting	15	06-Oct-23	27-Oct-23																									■ Install Lighting																																			
RRD-6990	Metal Panels	15	27-Oct-23	17-Nov-23																									■ Metal Panels																																			
RRD-7000	Fire Sprinkler Trim	10	17-Nov-23	05-Dec-23																									■ Fire Sprinkler Trim																																			
RRD-7100	Install Low Voltage Devices	15	05-Dec-23	27-Dec-23																									■ Install Low Voltage Devices																																			
<b>Red Side Road Signs</b>		<b>373</b>	<b>18-Nov-22</b>	<b>08-May-24</b>																																																												
<b>ROHT-1</b>		<b>353</b>	<b>18-Nov-22</b>	<b>10-Apr-24</b>																																																												
Foundations		19	18-Nov-22	16-Dec-22																																																												
RED-LWR-36	Install MOT for Initial Phase	1	18-Nov-22	18-Nov-22																																																												
8870	Install Temporary Channelizing Devices	3	21-Nov-22	23-Nov-22																																																												
RRD-6160	Layout Locations	1	28-Nov-22	28-Nov-22																																																												
RRD-6170	GPR and Scan Ground for Utilities	2	29-Nov-22	30-Nov-22																																																												
RRD-6180	Drilled Shafts for Road Signs	2	01-Dec-22	02-Dec-22																																																												
RRD-6190	Set Rebar/Anchor Bolts	2	08-Dec-22	09-Dec-22																																																												
RRD-6200	FRP Pile Cap	5	12-Dec-22	16-Dec-22																																																												
Structure		20	07-Feb-24	06-Mar-24																																																												
RRD-6140	Construct Roadway Signage Supports	5	07-Feb-24	14-Feb-24																																																	■ Construct Roadway Signage Supports											
RRD-6150	Construct Roadway Signage	5	28-Feb-24	06-Mar-24																																																	■ Construct Roadway Signage											
Utilities		8	14-Feb-24	26-Feb-24																																																												
RRD-6070	Install UG Piping	5	14-Feb-24	21-Feb-24																																																	■ Install UG Piping											
RRD-6080	Pull and Terminate Wiring	3	21-Feb-24	26-Feb-24																																																	■ Pull and Terminate Wiring											
Testing		15	06-Mar-24	27-Mar-24																																																												
RRD-6040	Test Power and Communication Lines	5	06-Mar-24	13-Mar-24																																																	■ Test Power and Communication Lines											
RRD-6050	Adjust Lights/Sensors	5	13-Mar-24	20-Mar-24																																																	■ Adjust Lights/Sensors											
RRD-6060	Final Inspection	5	20-Mar-24	27-Mar-24																																																	■ Final Inspection											
Punchlist and Acceptance		10	27-Mar-24	10-Apr-24																																																												
RRD-6090	Contractor Punchlist Roadway Sign	5	27-Mar-24	03-Apr-24																																																	■ Contractor Punchlist Roadway Sign											
RRD-6100	Architect Punchlist	5	27-Mar-24	03-Apr-24																																																	■ Architect Punchlist											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RRD-6110	Owner Punchlist	5	27-Mar-24	03-Apr-24																																																	█	Owner Punchlist										
RRD-6120	Final Completion	5	03-Apr-24	10-Apr-24																																																	█	Final Completion										
RRD-6130	Complete Red Side - Roadway	0		10-Apr-24																																																	◆	Complete Red Side - Roadway										
<b>ROHT-2</b>		<b>352</b>	<b>30-Nov-22</b>	<b>17-Apr-24</b>																																																												
Foundations		18	30-Nov-22	26-Dec-22																																																												
RRD-7113	Layout Locations	1	30-Nov-22	30-Nov-22																																																		Layout Locations										
RRD-7114	GPR and Scan Ground for Utilities	2	01-Dec-22	02-Dec-22																																																		GPR and Scan Ground for Utilities										
RRD-7115	Drilled Shafts for Road Signs	2	05-Dec-22	06-Dec-22																																																		Drilled Shafts for Road Signs										
RRD-7116	Set Rebar/Anchor Bolts	2	12-Dec-22	13-Dec-22																																																		Set Rebar/Anchor Bolts										
RRD-7117	FRP Pile Cap	5	19-Dec-22	26-Dec-22																																																	█	FRP Pile Cap										
Structure		20	14-Feb-24	13-Mar-24																																																												
RRD-7111	Construct Roadway Signage Supports	5	14-Feb-24	21-Feb-24																																																	█	Construct Roadway Signage Supports										
RRD-7112	Construct Roadway Signage	5	06-Mar-24	13-Mar-24																																																	█	Construct Roadway Signage										
Utilities		8	21-Feb-24	04-Mar-24																																																												
RRD-7104	Install UG Piping	5	21-Feb-24	28-Feb-24																																																	█	Install UG Piping										
RRD-7105	Pull and Terminate Wiring	3	28-Feb-24	04-Mar-24																																																	█	Pull and Terminate Wiring										
Testing		15	13-Mar-24	03-Apr-24																																																												
RRD-7101	Test Power and Communication Lines	5	13-Mar-24	20-Mar-24																																																	█	Test Power and Communication Lines										
RRD-7102	Adjust Lights/Sensors	5	20-Mar-24	27-Mar-24																																																	█	Adjust Lights/Sensors										
RRD-7103	Final Inspection	5	27-Mar-24	03-Apr-24																																																	█	Final Inspection										
Punchlist and Acceptance		10	03-Apr-24	17-Apr-24																																																												
RRD-7106	Contractor Punchlist Roadway Sign	5	03-Apr-24	10-Apr-24																																																	█	Contractor Punchlist Roadway Sign										
RRD-7107	Architect Punchlist	5	03-Apr-24	10-Apr-24																																																	█	Architect Punchlist										
RRD-7108	Owner Punchlist	5	03-Apr-24	10-Apr-24																																																	█	Owner Punchlist										
RRD-7109	Final Completion	5	10-Apr-24	17-Apr-24																																																	█	Final Completion										
RRD-7110	Complete Red Side - Roadway	0		17-Apr-24																																																	◆	Complete Red Side - Roadway										
<b>ROHT-3</b>		<b>355</b>	<b>02-Dec-22</b>	<b>24-Apr-24</b>																																																												
Foundations		21	02-Dec-22	03-Jan-23																																																												
RRD-7130	Layout Locations	1	02-Dec-22	02-Dec-22																																																		Layout Locations										
RRD-7131	GPR and Scan Ground for Utilities	2	05-Dec-22	06-Dec-22																																																		GPR and Scan Ground for Utilities										

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
RRD-7138	Install UG Piping	5	06-Mar-24	13-Mar-24																																																												
RRD-7139	Pull and Terminate Wiring	3	13-Mar-24	18-Mar-24																																																												
Testing		15	27-Mar-24	17-Apr-24																																																												
RRD-7135	Test Power and Communication Lines	5	27-Mar-24	03-Apr-24																																																												
RRD-7136	Adjust Lights/Sensors	5	03-Apr-24	10-Apr-24																																																												
RRD-7137	Final Inspection	5	10-Apr-24	17-Apr-24																																																												
Punchlist and Acceptance		10	17-Apr-24	01-May-24																																																												
RRD-7140	Contractor Punchlist Roadway Sign	5	17-Apr-24	24-Apr-24																																																												
RRD-7141	Architect Punchlist	5	17-Apr-24	24-Apr-24																																																												
RRD-7142	Owner Punchlist	5	17-Apr-24	24-Apr-24																																																												
RRD-7143	Final Completion	5	24-Apr-24	01-May-24																																																												
RRD-7144	Complete Red Side - Roadway	0		01-May-24																																																												
<b>ROHT-5</b>		361	08-Dec-22	08-May-24																																																												
Foundations		37	08-Dec-22	31-Jan-23																																																												
RRD-7164	Layout Locations	1	08-Dec-22	08-Dec-22																																																												
RRD-7165	GPR and Scan Ground for Utilities	2	09-Dec-22	12-Dec-22																																																												
RRD-7166	Drilled Shafts for Road Signs	5	13-Dec-22	19-Dec-22																																																												
RRD-7167	Set Rebar/Anchor Bolts	2	20-Dec-22	21-Dec-22																																																												
RRD-7168	FRP Pile Cap	5	11-Jan-23	17-Jan-23																																																												
RRD-7169	FRP Column	10	18-Jan-23	31-Jan-23																																																												
Structure		20	06-Mar-24	03-Apr-24																																																												
RRD-7162	Construct Roadway Signage Supports	5	06-Mar-24	13-Mar-24																																																												
RRD-7163	Construct Roadway Signage	5	27-Mar-24	03-Apr-24																																																												
Utilities		8	13-Mar-24	25-Mar-24																																																												
RRD-7155	Install UG Piping	5	13-Mar-24	20-Mar-24																																																												
RRD-7156	Pull and Terminate Wiring	3	20-Mar-24	25-Mar-24																																																												
Testing		15	03-Apr-24	24-Apr-24																																																												
RRD-7152	Test Power and Communication Lines	5	03-Apr-24	10-Apr-24																																																												
RRD-7153	Adjust Lights/Sensors	5	10-Apr-24	17-Apr-24																																																												
RRD-7154	Final Inspection	5	17-Apr-24	24-Apr-24																																																												



Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Punchlist and Acceptance</b>		10	24-Apr-24	08-May-24																																																												
RRD-7157	Contractor Punchlist Roadway Sign	5	24-Apr-24	01-May-24	<div style="float: right;"> <span style="color: green;">█</span> Contractor Punchlist Roadway Sign                 </div>																																																											
RRD-7158	Architect Punchlist	5	24-Apr-24	01-May-24	<div style="float: right;"> <span style="color: green;">█</span> Architect Punchlist                 </div>																																																											
RRD-7159	Owner Punchlist	5	24-Apr-24	01-May-24	<div style="float: right;"> <span style="color: green;">█</span> Owner Punchlist                 </div>																																																											
RRD-7160	Final Completion	5	01-May-24	08-May-24	<div style="float: right;"> <span style="color: green;">█</span> Final Completion                 </div>																																																											
RRD-7161	Complete Red Side - Roadway	0		08-May-24	<div style="float: right;"> <span style="color: black;">◆</span> Complete Red Side - Roadway                 </div>																																																											
<b>Roadway Screen Wall</b>		55	06-Mar-24	22-May-24																																																												
<b>Arrivals Level</b>		55	06-Mar-24	22-May-24																																																												
<b>Sector E</b>		15	06-Mar-24	27-Mar-24																																																												
RD-LWR-SW-10	Install Support Frame	10	06-Mar-24	20-Mar-24	<div style="float: right;"> <span style="color: green;">█</span> Install Support Frame                 </div>																																																											
RD-LWR-SW-11	Install Finish Panels	5	20-Mar-24	27-Mar-24	<div style="float: right;"> <span style="color: green;">█</span> Install Finish Panels                 </div>																																																											
<b>Sector F</b>		45	20-Mar-24	22-May-24																																																												
RD-LWR-SW-12	Install Support Frame	10	20-Mar-24	03-Apr-24	<div style="float: right;"> <span style="color: green;">█</span> Install Support Frame                 </div>																																																											
RD-LWR-SW-13	Install Finish Panels	5	03-Apr-24	10-Apr-24	<div style="float: right;"> <span style="color: green;">█</span> Install Finish Panels                 </div>																																																											
RD-LWR-SW-16	TPA Decorative Metal Panel System	20	24-Apr-24	22-May-24	<div style="float: right;"> <span style="color: green;">█</span> TPA Decorative Metal Panel System                 </div>																																																											
<b>Sector G</b>		15	03-Apr-24	24-Apr-24																																																												
RD-LWR-SW-14	Install Support Frame	10	03-Apr-24	17-Apr-24	<div style="float: right;"> <span style="color: green;">█</span> Install Support Frame                 </div>																																																											
RD-LWR-SW-15	Install Finish Panels	5	17-Apr-24	24-Apr-24	<div style="float: right;"> <span style="color: green;">█</span> Install Finish Panels                 </div>																																																											
<b>Airside D Shuttle Lobby</b>		497	26-May-23	09-May-25																																																												
<b>Foundations</b>		61	26-May-23	22-Aug-23																																																												
APM-FND-10	Layout Drilled Shaft Foundation	1	26-May-23	26-May-23	<div style="float: right;"> <span style="color: black;"> </span> Layout Drilled Shaft Foundation                 </div>																																																											
APM-FND-11	Install Drilled Shaft Foundation	6	30-May-23	06-Jun-23	<div style="float: right;"> <span style="color: green;">█</span> Install Drilled Shaft Foundation                 </div>																																																											
APM-FND-13	Pile Cut Off and Spoil Removal	3	12-Jun-23	14-Jun-23	<div style="float: right;"> <span style="color: black;"> </span> Pile Cut Off and Spoil Removal                 </div>																																																											
APM-FND-12	Layout Pile Caps	2	15-Jun-23	16-Jun-23	<div style="float: right;"> <span style="color: black;"> </span> Layout Pile Caps                 </div>																																																											
APM-FND-14	FRP Pile Caps	8	15-Jun-23	26-Jun-23	<div style="float: right;"> <span style="color: green;">█</span> FRP Pile Caps                 </div>																																																											
APM-FND-15	FRP Columns	15	27-Jun-23	18-Jul-23	<div style="float: right;"> <span style="color: green;">█</span> FRP Columns                 </div>																																																											
APM-FND-16	FRP Shearwall Foundations at A.7	10	27-Jun-23	11-Jul-23	<div style="float: right;"> <span style="color: green;">█</span> FRP Shearwall Foundations at A.7                 </div>																																																											
APM-FND-17	FRP Shearwall at A.7	30	12-Jul-23	22-Aug-23	<div style="float: right;"> <span style="color: green;">█</span> FRP Shearwall at A.7                 </div>																																																											
<b>Superstructure</b>		78	23-Aug-23	13-Dec-23																																																												
<b>Transfer Level</b>		78	23-Aug-23	13-Dec-23																																																												

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
APM-STR-10	Set Transfer Level Steel Columns & Beams	20	23-Aug-23	20-Sep-23	■ Set Transfer Level Steel Columns & Beams																																																											
APM-STR-11	Deck and Detail Steel	20	07-Sep-23	04-Oct-23	■ Deck and Detail Steel																																																											
APM-STR-13	SOMD	8	04-Dec-23	13-Dec-23	■ SOMD																																																											
APM-STR-14	Install Metal Stairs	5	04-Dec-23	08-Dec-23	■ Install Metal Stairs																																																											
<b>Level 71</b>		<b>20</b>	<b>21-Sep-23</b>	<b>18-Oct-23</b>																																																												
APM-STR-12	Set Transfer Level Steel Columns & Beams	20	21-Sep-23	18-Oct-23	■ Set Transfer Level Steel Columns & Beams																																																											
<b>Roof Level</b>		<b>30</b>	<b>19-Oct-23</b>	<b>01-Dec-23</b>																																																												
APM-STR-16	Set Roof Level Steel Columns & Beams	20	19-Oct-23	15-Nov-23	■ Set Roof Level Steel Columns & Beams																																																											
APM-STR-19	Deck and Detail Steel	10	16-Nov-23	01-Dec-23	■ Deck and Detail Steel																																																											
<b>Skin / Envelope</b>		<b>204</b>	<b>14-Dec-23</b>	<b>01-Oct-24</b>																																																												
<b>North Elevation</b>		<b>47</b>	<b>18-Jun-24</b>	<b>22-Aug-24</b>																																																												
APM-SK-N-10	Layout Curtainwall Framing	2	18-Jun-24	19-Jun-24	■ Layout Curtainwall Framing																																																											
APM-SK-N-11	Install Curtainwall Clips	15	20-Jun-24	11-Jul-24	■ Install Curtainwall Clips																																																											
APM-SK-N-12	Set Curtainwall System	20	27-Jun-24	25-Jul-24	■ Set Curtainwall System																																																											
APM-SK-N-17	Set Curtainwall Glazing	15	12-Jul-24	01-Aug-24	■ Set Curtainwall Glazing																																																											
APM-SK-N-14	Low Voltage Rough-in at Storefront Doors	15	19-Jul-24	08-Aug-24	■ Low Voltage Rough-in at Storefront Doors																																																											
APM-SK-N-18	Install Curtainwall / Storefront Caulking & Trim	15	23-Jul-24	12-Aug-24	■ Install Curtainwall / Storefront Caulking & Trim																																																											
APM-SK-N-19	Set Storefront Doors	10	09-Aug-24	22-Aug-24	■ Set Storefront Doors																																																											
<b>West Elevation</b>		<b>180</b>	<b>14-Dec-23</b>	<b>27-Aug-24</b>																																																												
APM-SK-W-10	Frame High Exterior Walls	10	14-Dec-23	28-Dec-23	■ Frame High Exterior Walls																																																											
APM-SK-W-11	Exterior Insulation / Waterproofing	5	29-Dec-23	05-Jan-24	■ Exterior Insulation / Waterproofing																																																											
APM-SK-W-13	Install Curtainwall System	15	26-Jul-24	15-Aug-24	■ Install Curtainwall System																																																											
APM-SK-W-16	Install Curtainwall Caulking & Trim	7	19-Aug-24	27-Aug-24	■ Install Curtainwall Caulking & Trim																																																											
<b>South Elevation</b>		<b>194</b>	<b>29-Dec-23</b>	<b>01-Oct-24</b>																																																												
APM-SK-S-10	Frame Exterior Walls	10	29-Dec-23	12-Jan-24	■ Frame Exterior Walls																																																											
APM-SK-S-22	Frame Exterior Soffit	10	15-Jan-24	26-Jan-24	■ Frame Exterior Soffit																																																											
APM-SK-S-11	Exterior Insulation / Waterproofing	10	29-Jan-24	09-Feb-24	■ Exterior Insulation / Waterproofing																																																											
APM-SK-S-17	Install Curtainwall Clips	5	16-Aug-24	22-Aug-24	■ Install Curtainwall Clips																																																											
APM-SK-S-18	Set Curtainwall System	15	23-Aug-24	13-Sep-24	■ Set Curtainwall System																																																											
APM-SK-S-20	Install Metal Wall Panels	10	23-Aug-24	06-Sep-24	■ Install Metal Wall Panels																																																											

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
APM-SK-S-23	Install Metal Soffit Panels	10	09-Sep-24	20-Sep-24																																																	█	Install Metal Soffit Panels										
APM-SK-S-21	Install Wall Systems Caulking & Trim	7	23-Sep-24	01-Oct-24																																																	█	Install Wall Systems Caulking & Trim										
<b>Roof / Canopy</b>		15	18-Jun-24	09-Jul-24																																																	█	Install Roof & Gutter System										
APM-RF-10	Install Roof & Gutter System	15	18-Jun-24	09-Jul-24																																																	█	Install Roof & Gutter System										
<b>Roadway Ceilings</b>		298	14-Dec-23	14-Feb-25																																																	█	Install BHS Hangers & Supports (By Others)										
APM-CEL-14	Install BHS Hangers & Supports (By Others)	15	14-Dec-23	05-Jan-24																																																	█	Install Fireproofing Under SOMD										
APM-CEL-13	Install Fireproofing Under SOMD	5	08-Jan-24	12-Jan-24																																																	█	Install BHS System at VCB (By Others)										
RCR-DP-92	Install BHS System at VCB (By Others)	33	20-Jun-24	06-Aug-24																																																	█	Install BHS System at APM Station (By Others)										
RCR-DP-91	Install BHS System at APM Station (By Others)	33	07-Aug-24	23-Sep-24																																																	█	Electrical and Fire Protection Rough-In										
APM-CEL-11	Electrical and Fire Protection Rough-In	25	24-Sep-24	28-Oct-24																																																	█	Electrical and Fire Protection Finishes										
APM-CEL-12	Electrical and Fire Protection Finishes	35	29-Oct-24	18-Dec-24																																																	█	Install Roadway Ceilings										
APM-CEL-10	Install Roadway Ceilings	40	19-Dec-24	14-Feb-25																																																	█	Install Roadway Ceilings										
<b>Infrastructure</b>		236	14-Dec-23	14-Nov-24																																																	█	Low Voltage Rough-in Walls										
APM-HFR-26	Low Voltage Rough-in Walls	3	03-Sep-24	05-Sep-24																																																	█	Frame Hard Lid Ceilings										
APM-HFR-27	Frame Hard Lid Ceilings	15	05-Sep-24	25-Sep-24																																																	█	Electrical Rough-in at Hard Lids										
APM-HFR-29	Electrical Rough-in at Hard Lids	5	26-Sep-24	02-Oct-24																																																	█	Layout Walls / Top Track										
APM-HFR-10	Layout Walls / Top Track	10	01-Oct-24	14-Oct-24																																																	█	Low Voltage Rough-in at Hard Lids										
APM-HFR-30	Low Voltage Rough-in at Hard Lids	5	03-Oct-24	09-Oct-24																																																	█	Insulate Ceilings & Soffits										
APM-HFR-31	Insulate Ceilings & Soffits	3	10-Oct-24	14-Oct-24																																																	█	Frame & Top Down Interior Walls										
APM-HFR-17	Frame & Top Down Interior Walls	4	15-Oct-24	18-Oct-24																																																	█	Electrical Rough-in Walls										
APM-HFR-25	Electrical Rough-in Walls	3	21-Oct-24	23-Oct-24																																																	█	Insulation										
APM-HFR-28	Insulation	3	24-Oct-24	28-Oct-24																																																	█	Hang Drywall Walls										
APM-HFR-32	Hang Drywall Walls	3	29-Oct-24	31-Oct-24																																																	█	Hang Hard Lid Ceilings										
APM-HFR-33	Hang Hard Lid Ceilings	10	01-Nov-24	14-Nov-24																																																	█	Hang Hard Lid Ceilings										
<b>Ceilings Work</b>		203	14-Dec-23	30-Sep-24																																																	█	Erect Dancefloor										
APM-HFR-34	Erect Dancefloor	5	14-Dec-23	20-Dec-23																																																	█	Dancefloor Duration										
APM-HFR-35	Dancefloor Duration	203	14-Dec-23	30-Sep-24																																																	█	Install Fire Sprinkler Hangers										
APM-HFR-11	Install Fire Sprinkler Hangers	5	21-Dec-23	28-Dec-23																																																	█	Install Duct / CHW Hangers										
APM-HFR-12	Install Duct / CHW Hangers	5	27-Dec-23	03-Jan-24																																																	█	Install Ceiling Clips										
APM-HFR-36	Install Ceiling Clips	5	29-Dec-23	05-Jan-24																																																	█	Install Ceiling Clips										

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Activity ID	Activity Name	Original Duration	Start	Finish	2022												2023												2024												2025												2026											
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
APMHFR-13	Install Plumbing Hangers	5	02-Jan-24	08-Jan-24	█ Install Plumbing Hangers																																																											
APMHFR-14	Install Electrical Hangers	5	05-Jan-24	11-Jan-24	█ Install Electrical Hangers																																																											
APMHFR-16	Install Fireproofing	10	10-Jul-24	23-Jul-24	█ Install Fireproofing																																																											
APMHFR-18	Fire Sprinkler Mains & Branch Line Rough-in	10	24-Jul-24	06-Aug-24	█ Fire Sprinkler Mains & Branch Line Rough-in																																																											
APMHFR-15	Install Ceiling Framing	15	24-Jul-24	13-Aug-24	█ Install Ceiling Framing																																																											
APMHFR-19	Duct & CHW OH Rough-in	15	29-Jul-24	16-Aug-24	█ Duct & CHW OH Rough-in																																																											
APMHFR-20	Plumbing OH Rough-in	10	05-Aug-24	16-Aug-24	█ Plumbing OH Rough-in																																																											
APMHFR-21	Electrical OH Rough-in	15	12-Aug-24	30-Aug-24	█ Electrical OH Rough-in																																																											
APMHFR-22	Low Voltage Rough-in Ceilings	15	12-Aug-24	30-Aug-24	█ Low Voltage Rough-in Ceilings																																																											
APMHFR-23	Pressure Test Duct	2	19-Aug-24	20-Aug-24	█ Pressure Test Duct																																																											
APMHFR-24	Insulate Duct	10	21-Aug-24	04-Sep-24	█ Insulate Duct																																																											
APMFIN-18	Install Metal Panels	15	03-Sep-24	23-Sep-24	█ Install Metal Panels																																																											
APMFIN-17	Install Fire Protection Trim	3	03-Sep-24	05-Sep-24	█ Install Fire Protection Trim																																																											
APMFIN-15	Install Ceiling Light Fixtures & Trim	7	13-Sep-24	23-Sep-24	█ Install Ceiling Light Fixtures & Trim																																																											
APMFIN-28	Demo Dancefloor	5	24-Sep-24	30-Sep-24	█ Demo Dancefloor																																																											
<b>Interior Finishes</b>		<b>132</b>	<b>01-Nov-24</b>	<b>09-May-25</b>																																																												
APMFIN-10	Tape and Finish Walls	7	01-Nov-24	11-Nov-24	█ Tape and Finish Walls																																																											
APMFIN-12	Tape and Finish Ceilings	15	15-Nov-24	09-Dec-24	█ Tape and Finish Ceilings																																																											
APMFIN-14	Prime & One Coat Ceilings	5	10-Dec-24	16-Dec-24	█ Prime & One Coat Ceilings																																																											
APMFIN-30	Install Shuttle Tubes	20	10-Dec-24	08-Jan-25	█ Install Shuttle Tubes																																																											
APMFIN-11	Prime & One Coat Walls	5	17-Dec-24	23-Dec-24	█ Prime & One Coat Walls																																																											
APMFIN-13	Install Low Voltage Trim	5	24-Dec-24	31-Dec-24	█ Install Low Voltage Trim																																																											
APMFIN-22	Install Z Clips for Decorative Glass	7	24-Dec-24	03-Jan-25	█ Install Z Clips for Decorative Glass																																																											
APMFIN-16	Install Diffusers	5	02-Jan-25	08-Jan-25	█ Install Diffusers																																																											
APMFIN-31	Field Measure and Procure Glass Wall Panels	70	06-Jan-25	11-Apr-25	█ Field Measure and Procure Glass Wall Panels																																																											
APMFIN-19	Install Terrazzo Flooring	20	10-Feb-25	07-Mar-25	█ Install Terrazzo Flooring																																																											
APMFIN-20	Install Column Covers	5	10-Mar-25	14-Mar-25	█ Install Column Covers																																																											
APMFIN-21	Install Terrazzo Base	5	10-Mar-25	14-Mar-25	█ Install Terrazzo Base																																																											
APMFIN-23	Install Decorative Ceiling Fixture	25	10-Mar-25	11-Apr-25	█ Install Decorative Ceiling Fixture																																																											
APMFIN-25	Install Light Fixtures & Trim Walls / Columns	5	13-Mar-25	19-Mar-25	█ Install Light Fixtures & Trim Walls / Columns																																																											

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## SECTION 01020 - OWNER'S ALLOWANCES

### PART 1 - GENERAL

#### 1.01 DESCRIPTION OF REQUIREMENTS

- A. Owner's allowances in the amounts indicated and as described below have been established for certain types of work. The Design-Builder will perform such Work only upon receipt of written work orders from the Owner. For this purpose, a Work Order will have the same meaning for requirements pertaining to submittals, approvals, etc., as modified, except the Work Order is only signed by the Owner.
- B. If the Work Order directs that the allowance work be performed, the provisions of this Part 2 Contract, as modified, will govern the conduct and payment for this Work.
- C. Definitions and Explanations: All Work, including any allowance work if authorized, shall be performed in full compliance with the requirements of the Contract. All allowance work, if and when authorized, shall be performed by the Design-Builder in accordance with the Work Order.
  - 1. Coordinate allowance Work with related Work to ensure that each selection is completely integrated and interfaced with related Work, and shall include all aspects of work to fully integrate the work with all other Work and Related Work.
- D. Work Order Data: Where applicable, include in each Work Order proposal both the quantities of products being purchased and units requested, and furnish survey-of-requirements data to substantiate quantities. Indicate applicable taxes, delivery charges, and amounts of applicable trade discounts. Refer to this Part 2 Contract, Article 8, Changes in the Work for supporting documentation requirements.
- E. Upon issuance of a Work Order, the Work Order funds will be tracked separately on the Contractor's Schedule of Values by Work Order number and the amount of the Cost of Work. If multiple subcontractors are employed for the Work Order, each Subcontractor's Pay Requisition will include a separate line with the description Work Order number that will flow to the Contractor's Schedule of Values. Once work is complete on the Work Order, the Design-Builder has 30 days in which to reconcile the Work Order, as follows:
  - 1. Provide Owner Project Management with a package containing cost support documents totaling the Cost of Work.
  - 2. Calculate mark-ups and fee using the same formula/calculations used to create the original Work Order budget.
  - 3. Any unused Work Order funds will be returned to the Owner's Allowance budget via a negative Work Order.

The Contractor will forfeit their fee on the Work Order for any Work Orders that have not been reconciled within 30 days of the completion of the work, following the process above.

## PART 2 - PRODUCTS

Not used.

## PART 3 - EXECUTION

### 3.01 SCHEDULE OF OWNER'S ALLOWANCES

- A. These allowances will cover the total cost of all Work authorized under a Work Order, including but not limited to design, cost of materials and equipment delivered and unloaded at the Project site, and all applicable taxes, permits, fees, labor, installation costs and integration as applicable. The Design-Builder's percentage, overhead and profit for the allowance will be included in the Work Order amount.
- B. Should the aggregate of charges for all approved Work Orders issued by the Owner under the allowances be less than the amount of the allowance, the Final GMP Contract Sum will be decreased by the amount of the difference. No Work will be performed that would cause total charges under the allowances to exceed the authorized allowance amount. The authorized allowance amount may be increased by Change Order. Should the aggregate charge for an approved Work Order issued by the Owner under the Allowance be less than the amount of the Work Order, the Owner may issue another Work Order in a negative amount to reconcile the Work Order. Such reconciliation Work Orders do not require executive management approval.
- C. The following allowance amounts will be included in the Guaranteed Maximum Price Proposal:
- OWNER'S ALLOWANCE: For Projects 8200 18, 8205 18, 8900 18, 8230 18, and 8425 22, allow an amount of \$5,550,000.00 of the GMP Contract Sum for:
1. **Utilities:** Repair, modify, or replacement of existing utilities (sanitary, storm sewer, potable water, fire protection, mechanical systems, electrical systems, communications systems, security systems, etc.) when found to be deteriorated, damaged, or deficient.
  2. **Structural/ Civil Elements:** Repair, modify, or replacement of existing structural or civil elements when found to be deteriorated, damaged, or deficient.
  3. **Airport Tenants & Entities:** Relocation and adjustments of Work required to accommodate airport tenants' space (Marriott Hotel, airlines, rental car companies, concessions, FAA, TSA, etc.) and other common areas. Include all disciplines: civil, architectural, structural, mechanical, plumbing, electrical,

communications, fire protection, security, etc.

4. **Coordination with Other Projects:** Resolution between proposed work and the work of tenants and other contracts. Include all disciplines: civil, architectural, structural, mechanical, plumbing, electrical, communications, fire protection, shuttle systems etc.
5. **FAA Parking Lot:** Further coordination and design development associated with the FAA Parking lot.
6. **Signage:** Additional Owner requested way finding, roadway, and dynamic signage that is not included in the Design-Builder's scope.
7. **Protection and MOT:** Additional Owner requested building or roadway protection and MOT that is not included in the Design-Builder's scope.
8. **Common Spaces Adjacent to Work:** Additional improvements related to common areas. This includes the LTPG, Loading Dock, Service Road, HCAA/ Marriott Arcade, Marriott Hotel Back-of-House, Main Terminal Concessions offices, and other adjacent spaces.
9. **Artwork:** All work associated with the installation of Owner provided artwork. This includes, but is not limited to, coordination with artist team(s), design of structure(s) to support art, access to artwork for installation, rental of any materials, equipment, or temporary structures to install art, incorporation of artwork and associated structures into BIM model and project schedule.
10. **HCAA Departments:** Work associated with other HCAA Departments (Parking, Maintenance, Operations, etc.) that is required but the scope of work is outside of the Design-Builder's scope of work.
11. Any Work associated with changes generated from the Walker Main Terminal Curbside Expansion Review Report.
12. **Unforeseen/ Concealed Conditions:** Any work that is required to address unforeseen/ concealed conditions that is outside of the GMP scope of Work. The determination of "outside the scope of Work" would be at the absolute and sole discretion of the Owner.
13. **Concessions:** Work associated with the Concession support spaces relocation to Airsides, Main Terminal Suite C and Loading Dock.
14. **Future Airside D:** Any work associated with the future Airside D Building, with approval of executive management.
15. **Contractor Allowances:** Costs associated with increasing funds in the event of a

Contractor Allowance budget overrun, with approval of executive management.

16. **Conveyance Subcontractor Change:** Any costs associated with changing the originally budgeted conveyance subcontractor post-award of the Supplemental E GMP.
17. Any Work not shown in the Contract Documents, but which is necessary to complete the Project, with approval of executive management

OWNER'S ALLOWANCE: For Project No. 8310 19, allow an amount of \$500,000.00 of the GMP Contract Sum for:

1. **Utilities:** Repair, modify, or replacement of existing utilities (sanitary, storm sewer, potable water, fire protection, mechanical systems, electrical systems, communications systems, security systems, etc.) when found to be deteriorated, damaged, or deficient.
2. **Structural Elements:** Repair, modify, or replacement of existing structural elements when found to be deteriorated, damaged, or deficient.
3. **Airport Tenants & Entities:** Relocation and adjustments of Work required to accommodate airport tenants' space (airlines, rental car companies, concessions, FAA, TSA, etc.) and other common areas. Include all disciplines: civil, architectural, structural, mechanical, plumbing, electrical, communications, fire protection, security, etc.
4. **Coordination with Other Projects:** Resolution between proposed work and the work of tenants and other contracts. Include all disciplines: civil, architectural, structural, mechanical, plumbing, electrical, communications, fire protection, shuttle systems etc.
6. **Signage:** Additional Owner requested way finding and dynamic signage that is not included in the Design-Builder's scope.
7. **Protection and MOT:** Additional Owner requested building or roadway protection and MOT that is not included in the Design-Builder's scope.
8. **Common Spaces Adjacent to Work:** Additional improvements related to common areas. This includes the LTPG, Loading Dock, Service Road, HCAA/ Marriott Arcade, Marriott Hotel Back-of-House, Main Terminal Concessions offices, and other adjacent spaces.
9. **HCAA Departments:** Work associated with other HCAA Departments (Parking, Maintenance, Operations, etc.) that is required but the scope of work is outside

of the Design-Builder's scope of work.

10. **Unforeseen Conditions:** Any work that is required to address unforeseen conditions that is outside of the GMP scope of Work. The determination of "outside the scope of Work" would be at the absolute and sole discretion of the Owner.
  11. Any Work not shown in the Contract Documents, but which is necessary to complete the Project, with approval of executive management.
- D. Contract Time will not be extended as a result of the issuance of any Work Order under this Section 01020 – OWNER'S ALLOWANCES.
- E. The GMP Contract Sum will not be adjusted for any costs of acceleration resulting from the issuance of Work Orders under this Section 01020 – OWNER'S ALLOWANCES. In addition, the Contract Sum will not be adjusted for any costs of acceleration of the whole work resulting from the issuance of Work Orders under this Section 01020 – OWNER'S ALLOWANCES.

END OF SECTION



## SECTION 01021 - CONTRACTOR'S ALLOWANCES

### PART 1 - GENERAL

#### 1.01 DESCRIPTION OF REQUIREMENTS

- A. Contractor's allowances in the amounts indicated and as described below have been established for certain types of work.
- B. The provisions of this Part 2 Contract, as modified, will govern the conduct and payment for this Work.
- C. Definitions and Explanations: All Work, including any allowance work if authorized, shall be performed in full compliance with the requirements of the Contract.
  - 1. Coordinate allowance Work with related Work to ensure that each selection is completely integrated and interfaced with related Work, and shall include all aspects of work to fully integrate the work with all other Work and Related Work.
- D. Reserved.
- E. Contractor's Allowance funds will be tracked separately on the Contractor's Schedule of Values by category and the amount of the Cost of Work. If multiple subcontractors are employed for the category, each Subcontractor's Pay Requisition will include a separate line with the category that will flow to the Contractor's Schedule of Values. Once Contractor's Allowance work is complete for a category of Work, the Design-Builder has 30 days in which to reconcile the Contractor's Allowance work, as follows:
  - 1. Provide Owner Project Management with a package containing cost support documents totaling the Cost of Work.
  - 2. Calculate mark-ups and fee using the same formula/calculations used to create the original Contractor's Allowance budget.
  - 3. Any unused Contractor's Allowance funds will be returned to the Contractor's allowance budget.

The Contractor will forfeit their fee on the Contractor's Allowance Work for any work that has not been reconciled within 30 days of the completion of the work, following the process above.

### PART 2 - PRODUCTS

Not used.

### PART 3 - EXECUTION

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Main Terminal Curbside Expansion, New Energy Plant and Related Work  
Project Nos. 8200 18, 8205 18, 8900 18, 8230 18, 8310 19, and 8425 22

### 3.01 SCHEDULE OF CONTRACTOR'S ALLOWANCES

- A. These allowances will cover the total cost of all Work authorized under a Contractor's Allowance category, including but not limited to design, cost of materials and equipment delivered and unloaded at the Project site, and all applicable taxes, permits, fees, labor, installation costs and integration as applicable. The Design-Builder's percentage, overhead and profit for the allowance are excluded from the Contractor's Allowance amount, but are included in the GMP.
- B. Should the charges for each category of Contractor's Allowances be less than the amount of the allowance, the Final GMP Contract Sum will be decreased by the amount of the difference. No Work will be performed that would cause total charges under the allowances to exceed the authorized allowance amount. The authorized allowance amount may be increased by Change Order.
- C. The following allowance amounts will be included in the Guaranteed Maximum Price Proposal:

CONTRACTOR'S ALLOWANCE: For Projects 8200 18, 8205 18, 8900 18, 8230 18, and 8425 22, allow an amount of \$769,000.00 of the GMP Contract Sum for:

1. **Floor Leveling on Transfer Level:** allow an amount of \$135,000 for Floor Leveling at Transfer Level for the remediation of unforeseen floor leveling within the limits of construction for Red Side.
2. **Interior Signage Changes:** allow an amount of \$50,000 for Interior Signage Changes for the installation of known interior signs identified within the limits of construction for Red Side.
3. **Exterior Roadway Signage Changes:** allow an amount of \$75,000 for Exterior Roadway Signage Changes for the installation of known exterior sign changes identified within the limits of construction for Red Side.
4. **Interior Security Changes:** allow an amount of \$50,000 for Interior Security Changes for modifications of known security systems identified within the limits of construction for Red Side.
5. **Concessions Modifications:** allow an amount of \$500,000 for Concessions Modifications required at either the temporary or permanent spaces in the Main Terminal, Airsides, and Loading Dock.
6. **Artwork Infrastructure Support:** allow an amount of \$200,000 for Artwork Infrastructure Support for modifications associated with the artwork that will be installed within the limits of construction for Red Side.

- 7. **Value Engineering Credits:** allow a credit amount of (\$241,000) for Value Engineering Credits associated with the Value Engineering scope identified within the limits of construction for Red Side.
  
- D. Contract Time will not be extended as a result of the issuance of any Work under this Section 01021 – CONTRACTOR’S ALLOWANCES.
  
- E. The GMP Contract Sum will not be adjusted for any costs of acceleration resulting from Contractors Allowance Work under this Section 01021 – CONTRACTOR’S ALLOWANCES. In addition, the Contract Sum will not be adjusted for any costs of acceleration of the whole work resulting from the Contractors Allowance Work under this Section 01021 – CONTRACTOR’S ALLOWANCES.

END OF SECTION

## SECTION 01340 - SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS:

- A. Requirements of the Contract Documents, including Division 01. The Design-Builder will be required to follow the Submittal Management Process for the development of a Submittal Register Log and submission of Submittal Packet.

#### 1.2 SUMMARY:

This Section specifies administrative and procedural requirements for submittal of Shop Drawings, Product Data and Samples to verify that products, materials and systems proposed for use comply with provisions of the Contract Documents.

- A. Shop Drawings may include, but are not limited to, the following:

1. Fabrication Drawings.
2. Installation Drawings.
3. Setting diagrams.
4. Shop-work manufacturing instructions.
5. Templates and patterns.
6. Schedules.
7. Design mix formulas.
8. Coordination Drawings.

- B. Product Data may include, but are not limited to, the following:

1. Manufacturer's product specifications.
2. Manufacturer's installation instructions.
3. Standard color charts.
4. Catalog cuts.
5. Roughing-in diagrams and templates.
6. Standard wiring diagrams.
7. Printed performance curves.
8. Operational range diagrams.
9. Mill reports.
10. Standard product operating and maintenance manuals.
11. Material Safety Data Sheets (MSDS).

- C. Samples may include, but are not limited to, the following:

1. Partial Sections of manufactured or fabricated components.
  2. Small cuts or containers of materials.
  3. Complete units of repetitively-used materials.
  4. Swatches showing color, texture and pattern.
  5. Color range sets.
  6. Components used for independent inspection and testing.
- D. Administrative Submittals: Refer to other Division 01 Sections and other Contract Documents for requirements for administrative submittals. Such submittals may include, but are not limited to:
1. Schedule of Submittals.
  2. Permits.
  3. Applications for payment.
  4. Performance and payment bonds.
  5. Insurance certificates and endorsements.
  6. Listing of subcontractors, subcontracts and purchase orders.
  7. Design-Builder's construction schedule.
  8. Progress Schedules.
  9. Progress reports.

### 1.3 SUBMITTAL PROCEDURES:

- A. Coordination: Coordinate preparation and processing of submittals with performance of the Work.
1. At the beginning of the Work, the Design-Builder will prepare and submit a Submittal Register based on all of the submittal requirements in the specifications. Each item called out shall have an individual record (line) in the Submittal Register and this will be submitted for Owner approval and comment. The Owner will indicate on the Submittal Register those submittals that will be reviewed by the Owner.
  2. The Design-Builder shall review submittals before submitting to the Owner. Transmit each submittal to the Owner sufficiently in advance of scheduled performance of related construction activities to avoid delay. If any submittals will be delayed, inform the Owner in writing giving reasons for the delay and a revised submittal schedule. Delays will be subject to Owner's approval. No extension of time will be authorized because of a Design-Builder's failure to transmit submittals to the Owner sufficiently in advance of the Work to permit processing.



3. The Owner will review submittals for general conformance with the Contract Documents. The review of the submittals by the Owner will not constitute any release or discharge of Design-Builder's sole liability and responsibility for all such submittals.
4. Request for payment of stored materials will not be considered until submittals have been received and approved by the Owner.
5. Transmit submittals to the Owner to prevent delays. The Design-Builder is responsible for delays accruing directly or indirectly from submission or resubmission of submittal date.
6. The Design-Builder shall coordinate each submittal with other submittals and related activities that require sequential activity including:
  - a. Testing.
  - b. Purchasing.
  - c. Fabrication.
  - d. Delivery.
7. The Design-Builder shall coordinate transmittal of different types of submittals for the same element of the Work and different elements of related parts of the Work so that processing will not be delayed by the Owner's need to review submittals concurrently for coordination.
  - a. The Owner reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are delivered to the Owner.
8. Processing: The Design-Builder shall allow sufficient review time so that Work will not be delayed as a result of the time required to process submittals, including time for re-submittals.
  - a. The Design-Builder shall allow for time for the Owner's initial review of each submittal. The standard time for Owner review will be 21 calendar days unless a different duration has been agreed to by Owner and Design-Builder. Where processing must be delayed to permit coordination with subsequent submittals, additional time is allowed. The Owner will advise the Design-Builder promptly when a submittal being processed must be delayed for coordination.

- b. The Design-Builder shall where necessary to provide an intermediate submittal between the initial and final submittals, process the intermediate submittal in the same manner as the initial submittal.
  - c. The Design-Builder shall allow time for reprocessing of each submittal to meet the schedule.
  - d. No extension of time will be authorized because of a Design-Builder's failure to transmit submittals to the Owner sufficiently in advance of the Work to permit processing.
- B. All submittals shall be submitted electronically through the Owner's Management Software and use the Packages to pull register items in for review. Close-out submittals, including O&M Manuals shall be submitted through the Close-out Register for review and tracking purposes.
- 1. The Design-Builder shall place a permanent label or title block on each submittal for information.
  - 2. The Design-Builder shall indicate the name of the firm or entity that prepared each submittal on the label or title block.
  - 3. The Design-Builder shall provide a space approximately 4 inches by 5 inches on the label or adjacent to the title block to record the Design-Builder's review and approval markings and the action taken by the Owner.
  - 4. The Design-Builder shall include the following information on the label for processing and recording action taken.
    - a. Project name.
    - b. Project Number.
    - c. Date.
    - d. Name and address of Owner.
    - e. Name and address of Design-Builder's Designer.
    - f. Name and address of Design-Builder.
    - g. Name and address of subcontractor.
    - h. Name and address of supplier.
    - i. Name of manufacturer.
    - j. Number and title of appropriate Specification Section.
    - k. Drawing number and detail references, as appropriate.

- I. Similar definitive information as necessary.
5. The Design-Builder shall stamp each page (sheet) of the submittal with the Design-Builder's certification statement, or other approval statement, as follows:

"I hereby certify that the (equipment) (material) (article) shown and marked in this submittal is that proposed to be incorporated in the work, is in compliance with the Contract Documents, can be installed in the allocated spaces, and is submitted for review by the Owner.

Certified by Submittal Reviewer \_\_\_\_\_.  
Date: \_\_\_\_\_"

- C. Submittal Transmittal: The Design-Builder shall package each submittal appropriately for electronic transmittal and handling. The Design-Builder shall transmit each submittal from Design-Builder to Owner, as indicated, by use of Submittals received from sources other than the Design-Builder will be returned to the sender without action. Submittal descriptions shall follow the Owner's naming conventions.
  1. The Design-Builder shall record relevant information and requests for data on the transmittal form. On the form, or an attached separate sheet, the Design-Builder shall call attention to deviations from requirements of the Contract Documents, including minor variations and limitations.
  2. The Design-Builder shall include the Design-Builder's signed certification stating that information submitted complies with requirements of the Contract Documents.

#### 1.4 SPECIFIC SUBMITTAL REQUIREMENTS:

- A. Shop Drawings: The Design-Builder shall submit newly prepared information, drawn to accurate scale. THE DESIGN-BUILDER SHALL NOT REPRODUCE CONTRACT DOCUMENTS OR COPY STANDARD PRINTED INFORMATION AS THE BASIS OF SHOP DRAWINGS.
  1. The Design-Builder shall include the following information on Shop Drawings:
    - a. Dimensions.
    - b. Identification of products and materials included.

- c. Compliance with specified standards.
    - d. Notation of coordination requirements.
    - e. Notation of dimensions established by field measurement.
  2. The Design-Builder shall submit Coordination Drawings where required for integration of different construction elements. The Design-Builder shall show construction sequences and relationships of separate components where necessary to avoid conflicts in utilization of the space available.
  3. THE DESIGN-BUILDER SHALL ENCIRCLE, IDENTIFY WITH ARROW, OR OTHERWISE INDICATE DEVIATIONS FROM THE CONTRACT DOCUMENTS ON THE SHOP DRAWINGS.
    - a. THE DESIGN-BUILDER SHALL NOT USE COLORED HIGHLIGHTERS TO INDICATE SELECTIONS.
  4. The Design-Builder shall not allow Shop Drawing copies which do not have an appropriate final stamp or other marking indicating action taken by the Owner to be used for construction.
- B. Product Data: The Design-Builder shall collect Product Data into a single submittal for each element of construction or system.
  1. The Design-Builder shall encircle and identify with an arrow, each copy to show which choices and options are applicable to the Project.
    - a. The Design-Builder shall not use colored highlights to indicate selection.
  2. Where Product Data has included information on several similar products, some of which are not required for use on the Project, or are not included in this submittal, the Design-Builder shall mark copies to clearly indicate which information is applicable.
  3. Where Product Data must be specially prepared for required products, materials or systems, because standard printed data are not suitable for use, the Design-Builder shall submit as "Shop Drawings" not "Product Data."
  4. The Design-Builder shall include the following information in Product Data:
    - a. Manufacturer's printed recommendations.

- b. Compliance with recognized trade association standards.
  - c. Compliance with recognized testing agency standards.
  - d. Application of testing agency labels and seals.
  - e. Notation of dimensions verified by field measurement.
  - f. Notation of coordination requirements.
5. The Design-Builder shall not submit Product Data until compliance with requirements of the Contract Documents has been confirmed.
6. The Design-Builder shall furnish copies of final Product Data submittal to manufacturers, subcontractors, suppliers, fabricators, installers, governing authorities and others as required for performance of the construction activities. The Design-Builder shall show distribution on transmittal forms.
- a. The Design-Builder shall not proceed with installation of materials, products and systems until a copy of Product Data applicable to the installation is in the installer's possession.
  - b. The Design-Builder shall not permit use of unmarked copies of Product Data in connection with construction.
- C. Samples: The Design-Builder shall submit Samples physically identical with the material or product proposed for use; submit full-size, fully fabricated Samples, cured and finished in the manner specified.
1. The Design-Builder shall mount, display, or package Samples in the manner specified to facilitate review of qualities indicated. The Design-Builder shall prepare Samples to match Designers' Sample where so indicated and include the following information:
- a. Generic description of the Sample.
  - b. Size limitations.
  - c. Sample source.
  - d. Product name or name of manufacturer.
  - e. Compliance with recognized standards.
  - f. Compliance with governing regulations.
  - g. Availability.
  - h. Delivery time.
2. Design-Builder shall submit a Sample log at the beginning of the project to the Owner based on the required samples per the submittals.



3. In-place samples are only allowed with written approval by Owner.
- D. Operating and Maintenance Manuals: Operating and Maintenance Manuals shall be initially submitted for review at the appropriate percent completion stage of Work per requirements under these Sections. These appropriate percent completion stage will be determined by trade. The Manuals will be reviewed and comments returned to the Design-Builder. Corrections shall be made before submittal of the Manuals at subsequent completion levels for Owner review and at Project Close-out.
- E. In order to facilitate review of product data and shop drawings, they shall be noted, unless otherwise agreed to by Owner, indicating by cross reference the contract drawing sheet number, note, and specification paragraph numbers, where and what item(s) are used for and where item(s) occur in the contract documents.

#### 1.5 OWNER ACTION:

- A. Except for submittals for the record, for information and similar purposes, where action and return on submittals is required or requested, the Owner will review each submittal, mark with appropriate "action," and where possible return within the time period allotted for Owner review. Where the submittal must be held for coordination, the Owner will so advise the Design-Builder without delay.
  1. Compliance with specified characteristics is the Design-Builder's responsibility, and not considered part of the Owner's review and indication of action taken.
- B. The Owner will stamp each submittal sheet or page to be returned with a uniform, self-explanatory action stamp appropriately marked and executed to indicate whether the submittal returned is for unrestricted use (no exceptions taken), final-but-restricted use (as marked), must be revised and resubmitted (use not permitted), or without action (as explained on the transmittal form), or other similar type wording.
- C. The Owner's review of submittals is for design conformity and general conformance of the Contract Documents only and does not relieve the Design-Builder from responsibility for any deviations from the requirements of the Contract Documents. The Owner's review shall not be construed as a complete check nor shall it relieve the Design-Builder from responsibility for errors of any sort in shop drawings or schedules, or from the necessity of furnishing any work required by the Contract Documents which may have been omitted on the shop

drawings. The Owner's review of a separate item shall not indicate review of the complete assembly in which it functions.

## PART 2 - PRODUCTS

(Not Applicable)

## PART 3 - EXECUTION

### 3.5 SCHEDULE OF SUBMITTALS DESCRIPTION AND SUBMITTAL REGISTER

- A. General: The following is a description of each submittal type, specified in other Sections, required for the Contract. Design-Builder shall include each submittal description in the Submittal Register included as part of this Section.
1. Product Data means submittals that provide calculations, descriptions or other documentation regarding the work.
  2. Manufacturer's Catalog Data (Product Data) means data composed of information sheets, brochures, circulars, specifications and product data, and printed information in sufficient detail and scope to verify compliance with requirements of the Contract Documents.
  3. Manufacturer's Standard Color Charts (Product Data) means preprinted illustrations displaying choices of color and finish for a material or product.
  4. Shop Drawings means graphic representations illustrating the relationship of various components of the work, schematic diagrams of systems, details of fabrications, layout of particular elements, connections, and other relational aspects of the work.
  5. Design Data (Shop Drawings) means design calculations, mix designs, analyses, or other data written and pertaining to a part of the work.
  6. Instructions (Product Data) means preprinted material describing installation of a product, system, or material, including special notices and Material Safety Data Sheets, if any, concerning impedance, hazards, and safety precautions.
  7. Schedules (Shop Drawings) means a tabular list of data or a tabular listing of locations, features, or other pertinent information regarding products, materials, equipment, or components to be used in the work.

8. Statements (Shop Drawings) means documents, required of the Design-Builder, or through the Design-Builder by way of a supplier, installer, manufacturer, or other lower tier contractor, the purpose of which is to further the quality or orderly progression of a portion of the work by documenting procedures, acceptability of methods or personnel, qualifications, or other verification of quality.
9. Reports (Product Data) mean reports of inspection and laboratory tests, including analysis, an interpretation of test results. Each report shall be properly identified. Test methods used and compliance with recognized test standards shall be described.
10. Test Reports (Product Data) mean reports signed by an authorized official of a testing laboratory that a material, product, or system identical to the material, product or system to be provided has been tested in accordance with requirements specified by naming the test method and material. The test report must state the test was performed in accordance with the test requirements; state the test results; and indicate whether the material, product, or system has passed or failed the test. Testing must have been within three years of the date of award of this Contract.
11. Factory Test Reports (Shop Drawings) mean written reports which include the findings of a test required to be performed by the Design-Builder or an actual portion of the work or prototype prepared for this project before it is shipped to the job site. The report must be signed by an authorized official of a testing laboratory and must state the test was performed in accordance with the test requirements; state the test results; and indicate whether the material, product, or system has passed or failed the test.
12. Field Test Reports (Shop Drawings) mean written reports which includes the findings of a test made at the job site, in the vicinity of the job site, or on a sample taken from the job site, on a portion of the work, during or after installation. The report must be signed by an authorized official of a testing laboratory or agency and must state the test was performed in accordance with the test requirements; state the test results; and indicate whether the material, product, or system has passed or failed the test.
13. Certificates (Shop Drawings) mean statements signed by responsible officials of a manufacturer of a product, system, or material attesting that the product, system, or material meet specified requirements. The statements must be dated after the award of this contract, name the

project, and list the specific requirements which it is intended to address.

14. Warranties (Product Data) include but are not limited to statements signed by responsible officials of a manufacturer of a product, system, or material attesting that the product, system, or material will perform its specific function over a specified duration of time. The statement must be dated, and include the name of the project, the Owner's name, and other pertinent data relating to the warranty.
15. Samples (Samples) include both fabricated and non-fabricated physical examples of materials, products, and units of work as complete units or as portions of units of work.
16. Color Selection Samples (Samples) mean samples of the available choice of colors, textures, and finishes of a product or material, presented over substrates identical in texture to that proposed for the work.
17. Sample Panels (Samples) mean assemblies constructed at the project site in a location acceptable to the Owner and using materials and methods to be employed in the work; completely finished; maintained during construction; and removed at the conclusion of the work or when authorized by the Owner.
18. Sample Installations (Samples) mean portions of an assembly or material constructed where directed and, if approved, retained as a part of the work.
19. Record means documentation to ensure compliance with an administrative requirement or to establish an administrative mechanism.
20. Operating and Maintenance Manuals (Records) mean data intended to be incorporated in an Operating and Maintenance Manual.
21. Test Reports of Existing Conditions mean documents describing existing conditions and operations of systems and components prior to the start of any work. Testing shall be held in the presence of the Owner. Provide copies of the test reports to the Owner.
22. Demonstration means physical operation of equipment and systems by factory authorized representatives to demonstrate to the Owner's facility personnel proper operation of systems. Provide all required documentation that certified completed demonstration.

23. As-Built Drawings means delineated documentation accurately depicting final installation location of components and systems of the building.
  24. Shop Drawings in Electronic format mean that when drawings are required all materials shall be provided in PDF and/or BIM on an external drive.
  25. Coordination Drawings mean the special type of Shop Drawings that show the relationship and integration of different construction elements that require close and careful coordination during fabrication or during installation to fit in the restricted space provided or to function as intended.
  26. Certification of Approved Disposal of Hazardous Materials means the certification signed by the Design-Builder indicating legal disposal of hazardous materials.
  27. CD/DVD Training Tape means the taped training instructions to be used by the Owner's personnel.
  28. Spare Parts Memo means the listing of spare parts required; refer to Section 01700.
  29. UL Letter of Finding means a document from Underwriters Laboratories Inc., attesting compliance with UL's standard for connection to an existing lightning protection system; a document from Underwriters Laboratories Inc., attesting compliance with UL's standard for UL Master Label.
  30. Equipment Check-Out Memos mean documents signed by the manufacturer's authorized representative stating that equipment has been installed and is operating in accordance with the manufacturer's specifications; refer to Section 01700.
- B. Submittal Register: The Design-Builder is to maintain an accurate updated Submittal Register and will bring this register to each scheduled OAC meeting with the Owner. The Submittal Register should include the following items:
1. Submittal-Description and Number assigned.
  2. Date to Owner.
  3. Date to Designer as appropriate.
  4. Date returned to Owner.
  5. Date returned to Design-Builder from Owner.



6. Submittal Status.
7. Date of Re-submittal and Return (as applicable).
8. Date material released (for fabrication).
9. Projected date of fabrication.
10. Projected date of delivery to site.
11. Status of submittal.
12. Specification Section Number.
13. Specification Paragraph Number.
14. Owner Reviewer.
15. Designer Reviewer.
16. Transmittal Control Number.
17. Planned Submittal Date.
18. Action Code.
19. Date of Action.
20. Remarks.

END OF SECTION

## SECTION 01350 - BUILDING INFORMATION MODELING REQUIREMENTS

### PART 1 – GENERAL

#### 1.01 DESCRIPTION

##### A. Definitions:

1. Building Information Modeling (BIM): A process focused on the development, use and transfer of facility attribute data of a construction project to improve the design, construction and operations of a project in order to achieve project specific goals.
2. Level of Development (LOD): Level of completeness to which a model element is developed at the end of each design and construction phase.
3. BIM Project Execution Plan: A plan that defines how BIM will be implemented throughout the project lifecycle.

#### 1.02 BIM REQUIREMENTS

- A. BIM Project Execution Plan: Design-Builder will develop a BIM Project Execution Plan documenting the collaborative process, analysis technologies and workflows in which BIM will be implemented throughout the lifecycle of the project. Design-Builder will include a plan, prior to start of construction, which outlines the process for concurrent conformed as-built documentation for Owner's review.
- B. Design Intent Model: Design-Builder will develop a Design Intent Model that includes accurate and relevant geometry required to design the Project. Design-Builder will update the Design Intent Model with RFIs, ASIs & Change Orders at agreed upon intervals during Construction.
- C. Construction Model: Design-Builder will develop a construction model that includes accurate and relevant geometry required as plan of install. Design-Builder will update the construction model with RFI's, ASI's, and Change Orders.
- D. Clash Detection: Design-Builder will manage, coordinate design disciplines and perform clash detection analyses within the BIM Model at each milestone set by the BIM Project Execution Plan.
- E. Record BIM Model: Design-Builder will update the Design Intent Model with all applicable RFI's, ASI's, & Change Orders (as determined by the Design-Builder) at agreed upon intervals during construction. The Design-Builder will validate the Design Intent Model to produce a Conformed BIM Model to be delivered to the Owner prior to final acceptance of the work.
- F. BIM Meetings: Design-Builder will facilitate coordination meetings as necessary to timely resolve design conflicts and/or coordination issues. Design changes made during this process will be properly documented by the Design-Builder and the Design Intent & Construction BIM Model updated as necessary.

- G. Conformed BIM Model: Design Builder will compile Record BIM Model and Install Validation BIM Model (produced by trades for the purpose of creating as-built drawings) into a single BIM model.

### 1.03 DESIGN-BUILDER'S RESPONSIBILITIES

- A. The Design-Builder's responsibilities include:
  - 1. Overall development and delivery of the conformed BIM Model.
  - 2. Ensuring compliance with the BIM Project Execution Plan and related BIM Level of Development (LOD) Matrix.
  - 3. Development, coordination, publication, and verification that all BIM configurations are in place as required for the integration of the design phase and construction phase model information, elements, etc.
  - 4. Coordination of the file management procedures and protocols for the Design Intent Model, Construction BIM Model, Record BIM model, and Conformed BIM model.
  - 5. Coordination and set-up of shared file servers to be utilized for the BIM, including related access, permissions, protocols, etc.
  - 6. Preparation, assembly, and facilitation of the use of the Design Intent Model for design meetings, coordination meetings, and deliverables.
  - 7. Proper identification of all spaces, equipment, and components within the Design Intent Model and As-Built BIM Model.
  - 8. Schedule, coordinate, and facilitate BIM technical meetings.
  - 9. Facilitation of the use of trade models for the purpose of trade coordination and clash detection (when available or provided by trade contractors).
  - 10. Determine the project BIM geo-reference point(s), and ensure that the models from all design disciplines are properly referenced and coordinated with the geo-reference point(s). The Design Intent Model shall be geolocated, follow the State Plane Coordinate system, and have established BIM Shared Coordinates derived from existing control monuments found in the Tampa International Airport Geodetic Control Map.
  - 11. Serve as the interface between the Design-Builder and Owner for BIM data and file transfers.
  - 12. Ensuring that the BIM design deliverables comply with Contract requirements.
  - 13. Ensuring that the 2D Project drawings and Project specifications produced for bidding and construction purposes are properly derived from and adequately represent the information contained within the Design Intent Model and As-Built BIM Model.
  - 14. Integration and/or coordination of the construction schedule with BIM on a limited basis as defined and needed by the Design Builder to assist in visually representing the overall program schedule.
  - 15. Updating the Design Intent Model for design changes that occur after construction has commenced.
  - 16. Coordination with subcontractor fabrication modelers as may be required for procurement and construction activities.
  - 17. Developing the final conformed BIM Model in accordance with the BIM Execution Plan.

#### 1.04 PROJECT REQUIREMENTS

- A. Visualization Requirements: The Design Intent Model will be utilized to aid in visualizing and understanding the design during the early phases of the project.
- B. Sustainability/Documentation: When applicable, sustainability data will be incorporated in the conformed BIM Model.
- C. Asset Management/Documentation: When applicable, asset data will be incorporated in the As-Built BIM Model.
- D. Coordination/Clash Detection: The Design-Builder will utilize the appropriate software as defined by the BIM Execution Plan to coordinate design disciplines and perform clash detection analyses.

#### 1.05 BIM SOFTWARE AND INFORMATION EXCHANGE

- A. Design Tools: The Design-Builder will develop the design using the latest versions of software as defined by the BIM Execution Plan Any deviations shall require approval from the Design-Builder and Owner. The Design-Builder will not change software versions during the project without notification to the Owner.
- B. Information Exchange: The Design-Builder will use an electronic share platform as a means of sharing and storing BIM data.
- C. Owner's Use of Models: The Owner will have unlimited use of all BIM Models produced for the Project at Project completion.

#### 1.06 COORDINATION GUIDELINES

- A. Resolution of Interferences: The Design-Builder shall participate in the coordination meetings as necessary to timely resolve design conflicts and/or coordination issues. Design changes made during this process shall be properly documented by the Design-Builder and the Design Intent Model and Construction Model shall be updated as necessary.
- B. Navisworks Requirements: Navisworks files will be created at all critical coordination milestones. This record format will document a coordinated section of the Design Intent Model, either by area of the building or between specific critical trades. The collision viewpoints showing all applicable collisions as either approved or resolved are included in the Navisworks file and will be uploaded to the project collaboration system. Coordination viewpoints will be created in Navisworks with respect to what has and has not been coordinated. Navisworks viewpoints will include the following information at a minimum:
  - 1. Description of collision report.
  - 2. Date collision was detected and resolved.

3. List of all collisions detected in the Design Intent Model / Construction Model, their status, and the proposed solution to resolve the conflicts.
4. Graphical representation of the model geometry corresponding to each collision detected in the Design Intent Model / Construction Model.

#### 1.07 PROJECT DELIVERABLE REQUIREMENTS

##### A. 30 Days after NTP

1. BIM Project Execution Plan. Included in the Part 1 Contract.

#### 1.08 PROJECT CLOSE OUT

##### A. Documentation Methodology

1. During the construction process, the Design-Builder will incorporate changes triggered by requests for information (RFIs), Supplemental Instructions, and Change Orders into the Architectural, Structural, and MEP design models.
2. At specified periods during the construction process, the Design-Builder will document in their copy of the Revit BIM model(s) or 3D Coordinated Navisworks model(s), all changes generated from shop drawings, coordination drawings, and field changes. The finished model shall be reviewed for document accuracy and completeness by the Design-Builder and Owner prior to finalization.

##### B. Final conformed BIM Model: Design-Builder will provide a Final conformed BIM model in Navisworks including but not limited to all Architectural Systems, Engineering Systems, structural framing, partition systems with structure, flooring systems, partition systems with bulkheads, partition systems with expansion control, vertical transportation systems, specialty equipment, millwork and casework systems, horizontal ceiling systems with access openings, all finishes information, bulkheads, partitions, exterior skin systems with window openings, structure, roof edge conditions, parapets, roof penetrations, and equipment locations HVAC systems, piping, sewerage and/or conduit systems, HVAC duct runs, fire protection, lighting, power and data outlets, electrical conduits, ceiling grids layouts, audio visual, security and communication distribution systems (cable trays, etc.)

##### C. Final Record BIM and CAD Data Submittal.

1. Final Record BIM Model including all applicable, as defined by Design-Builder and Authority, Request For Information (RFI), Architect Supplemental Instructions (ASI), and Change Orders (CO) for clear interpretations for all disciplines. The Final Record BIM Model is intended to contain all relevant views, legends, schedules, sheets, families and groups necessary for the documentation of the project.
2. Computer Aided Design (CAD) format files from the Final Record BIM Model, as defined in BIM Execution Plan.
3. Two-dimensional drawing deliverables printed directly from the Record BIM Model in (Individual and Combined by project and discipline) PDF format.

4. A three-dimensional interactive review format of the Final Coordinated BIM Model in the latest version (2018) of Autodesk Navisworks.

#### 1.09 WARRANTIES

- A. By approving and submitting the conformed BIM Model to the Owner, the Design-Builder thereby represents that the Design-Builder has determined and verified all dimensions, quantities, relations to existing work, coordination with work, and verification of compliance with contractual requirements. The accuracy of all such information is the responsibility of the Design-Builder.

END OF SECTION