



Los Angeles World Airports



# REPORT TO THE

# BOARD OF AIRPORT COMMISSIONERS

Hans Thilenius

Hans Thilenius (Feb 25, 2022 08:06 PST)

Reviewed by: Hans Thilenius, Deputy Executive Director

Brian C. Ostler

Brian Ostler (Feb 25, 2022 09:35 PST)

Brian C. Ostler, City Attorney

Justin Erbacci

Justin Erbacci (Feb 25, 2022 09:54 PST)

Justin Erbacci, Chief Executive Officer

Meeting Date

3/3/2022

Needs Council Approval:  Y

<u>Reviewed for / by</u>	<u>Date</u>	<u>Approval Status</u>	<u>By</u>
Finance	2/18/2022	<input checked="" type="checkbox"/> Y <input type="checkbox"/> NA	JS
CEQA	2/15/2022	<input checked="" type="checkbox"/> Y	VW
Procurement	2/22/2022	<input checked="" type="checkbox"/> Y <input type="checkbox"/> Cond	QM
Guest Experience	2/23/2022	<input checked="" type="checkbox"/> Y	TB
Strategic Planning	2/14/2022	<input checked="" type="checkbox"/> Y	KC
City Attorney	2/24/2022	<input checked="" type="checkbox"/> Y	BO

## SUBJECT

Request to approve the Second Amendment to Contract No. DA-5507 with Hensel Phelps Construction Company for design and construction services in the amount of \$124,131,475, for a total contract amount of \$171,459,012, and extend the term by four years for the Terminal 4 Baggage Handling System replacement project at Los Angeles International Airport.

## RECOMMENDATIONS

Management RECOMMENDS that the Board of Airport Commissioners:

- ADOPT the Staff Report.
- DETERMINE that this action is exempt from the California Environmental Quality Act (CEQA) pursuant to Article II, Section 2.i. of the Los Angeles City CEQA Guidelines.
- APPROVE the Second Amendment to Contract No. DA-5507 with Hensel Phelps Construction Company to provide design and construction services in the amount of \$124,131,475, for a total contract amount of \$171,459,012, for the Terminal 4 Baggage Handling System replacement project at Los Angeles International Airport, and to extend the term of the contract by four years.
- APPROPRIATE funds in the amount of \$202,443,167 to the Terminal 4 Baggage Handling System replacement project, which includes hard costs, soft costs, contingency, and art fees.

5. FURTHER APPROVE a budgeted Owner's Contingency in the amount of \$12,150,000 for this phase of the project. This contingency can only be utilized through change orders authorized by the Chief Executive Officer or the Board of Airport Commissioners as outlined below.
6. AUTHORIZE the Chief Executive Officer to approve and execute change orders to the contract up to the final budgeted Owner's Contingency of \$14,682,000 (which includes the previously approved amount of \$2,532,000 plus the above (item no. 5) \$12,150,000 being approved with this action) for the project provided that, prior to execution of any change order in excess of \$500,000, the Board of Airport Commissioners shall first have reviewed and authorized the execution thereof, and such authorization shall have become final pursuant to City Charter Section 245.
7. FURTHER AUTHORIZE the Chief Executive Officer to execute the Second Amendment with Hensel Phelps Construction Company, upon approval as to form by the City Attorney and approval by the Los Angeles City Council.

## DISCUSSION

### 1. Purpose

In anticipation of the American Airlines (American) Terminal 4/5 Modernization Program, which will replace the Terminal 4 (T4) Headhouse and portions of the concourse, Los Angeles World Airports (LAWA) will continue the planning and execution of the project to replace the end-of-life Baggage Handling System. The proposed Second Amendment with Hensel Phelps Construction Company (Hensel Phelps) will approve the final Guaranteed Maximum Price (GMP) for the balance of the work and extend the contract term to cover the project schedule, which aligns with the Terminal 4/5 Modernization Program schedule.

### 2. Prior Related Actions/History of Board Actions

- **June 16, 2016 – Board Resolution No. 26010 (LAA-8936)**  
The Board of Airport Commissioners (Board) approved a Terminal Facilities Lease and License Agreement with American covering space in the T4 Connector and in T4 to provide American the space to install the new in-line Checked Baggage Inspection System at Los Angeles International Airport (LAX).
- **July 11, 2018 – Board Resolution No. 26548 (LAA-9037)**  
The Board approved a Terminal Lease and License Agreement with American for space in T4 and Terminal 5 (T5) at LAX, generating approximately \$2,500,000,000 over the term and providing for future renovations at T4 and T5.
- **May 20, 2021 – Board Resolution No. 27265 (DA-5507)**  
The Board approved a three-year Design-Build Contract with Hensel Phelps covering Baggage Handling System replacement design and construction services in T4 at LAX and appropriated \$10,000,000 for an allowance for initial planning and civil works.

- **October 7, 2021 – Board Resolution No. 27354 (DA-5507A)**

The Board approved the First Amendment to Contract No. DA-5507 with Hensel Phelps to add funding of \$37,327,536, for new total not to exceed \$47,327,536 covering the replacement baggage handling system in Terminal 4 at LAX.

### **3. Background**

American is preparing to begin work on the Terminal 4/5 Modernization Program. This program includes (1) the new construction of the T4.5 Vertical Core and (2) the complete replacement of the T4 east and center headhouse and the T4 south and center concourse. The east and center headhouse and the north concourse buildings house three key components of the T4 Baggage Handling System: outbound (ticketing, curbside, transfers), sorting, and inbound.

When LAWA and American first agreed on the American Terminal 4/5 Modernization Program and developed an initial program budget estimate back in 2017, the replacement of the Baggage Handling System was not contemplated as part of the scope or budget because it was still functional and the scope of the headhouse and concourse was not completely defined. Similarly, a complete reconstruction of both the T4 headhouse and concourse was not contemplated. Since then, the program has been fully defined and includes complete demolition and reconstruction of a new headhouse and much of the T4 concourse. Thus, it will replace the buildings where most of the Baggage Handling System components are located.

Moreover, the Baggage Handling System in T4 is at the end of its useful life and will require replacement soon. The typical life expectancy of these systems is 15-20 years. The current Baggage Handling System was implemented in the late 1990s/early 2000 time period. The manufacturer of the current system (Stearns Airport Equipment) no longer exists, which affects system reliability, maintainability, and LAWA's ability to make modifications to meet future demands.

It has become evident that replacing the end-of-life Baggage Handling System simultaneously while replacing the buildings as part of the Terminal 4/5 Program is more advantageous and cost-effective.

### **4. Current Action/Rationale**

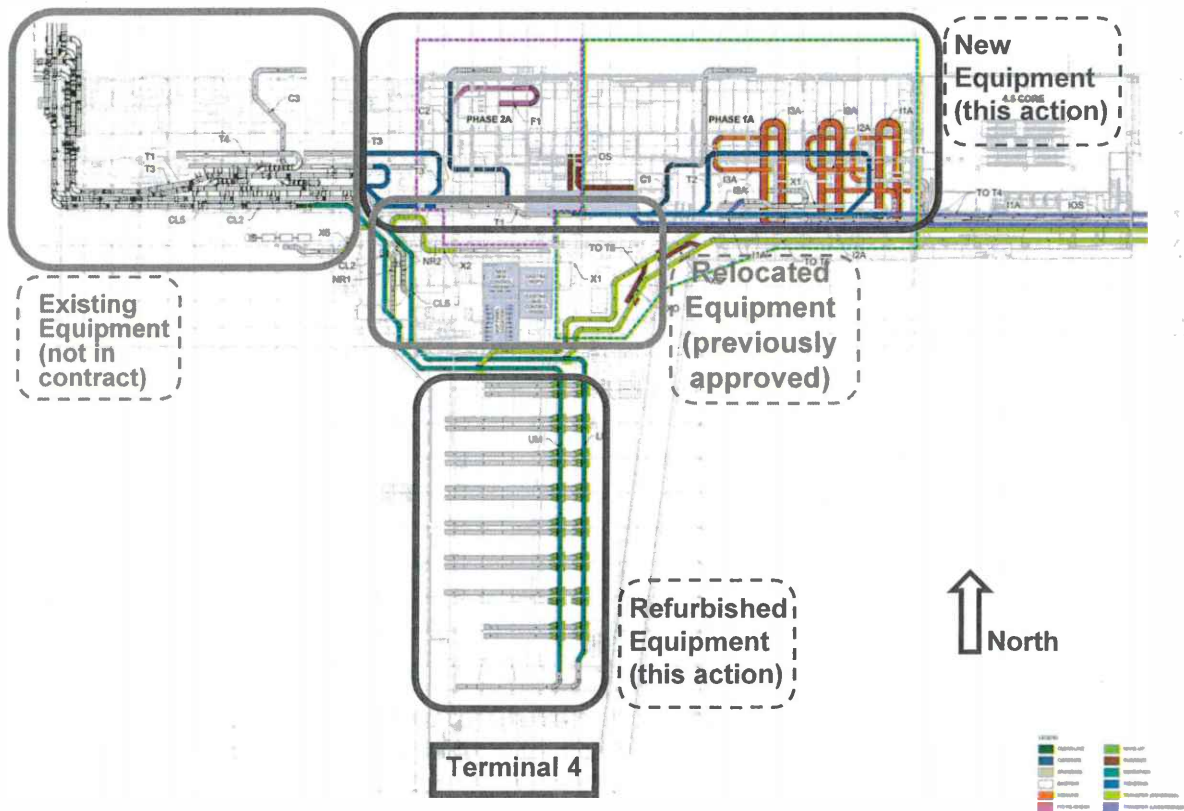
As discussed in the May 20, 2021, Board report, staff identified two subsequent requests for GMP approvals: one for the initial Baggage Handling System replacement (Initial GMP) and a second one for the entire Baggage Handling System replacement effort (Final GMP). Accordingly, the October 7, 2021, Board action approved the cost and scope for the initial Baggage Handling System replacement work (Initial GMP). This proposed Board action is to approve the cost and scope for the final Baggage Handling System replacement work (Final GMP).

Hensel Phelps completed a competitive bid process for the Baggage Handling System based on the bridging documents created by American and approved by LAWA. This effort resulted in receiving four qualified bids, and all bidders were interviewed and scored. The panel of reviewers included both LAWA and Hensel Phelps personnel. A successful bidder was identified, and subsequently a Notice to Proceed was issued based on the initial

planning effort that was required. The remaining supporting trades (mechanical, electrical, and plumbing/fire protection) were also competitively bid, and award recommendations for the successful bidder were presented to LAWA for approval.

In conclusion, the project team has now received a Final GMP proposal from Hensel Phelps for the entire project, which includes the previously-approved initial work. The entire project (outbound, sortation, and inbound) is now completely identified and priced for an all-inclusive design-build price. Having reviewed and negotiated the proposal, staff is now returning to the Board for approval of this Final GMP.

The illustration below shows the areas within Terminal 4 where work is taking place under this contract.



### Schedule

The project schedule is phased to match the Terminal 4/5 Modernization Program schedule, which ends in 2028, and is coordinated to have minimal impacts on American's operations.

## Budget

Description	Amount	Appropriation Status
Hensel Phelps Original Contract (Planning / Early Civil Work)	\$ 10,000,000	Previously appropriated under Board Resolution No. 27265
First Amendment to Hensel Phelps - (Initial GMP)	\$ 37,327,536	Previously appropriated under Board Resolution No. 27354
Second Amendment to Hensel Phelps - (Today's action Final GMP)	\$ 124,131,475	Appropriated with this action
Other Hard Costs*	\$ 1,852,155	Appropriated with this action
Soft Costs**	\$ 14,450,000	Appropriated with this action
Contingency	\$ 14,682,000	\$12,250,000 appropriated with this action (\$2.532M under 27354)
Project Direct Budget	\$ 202,443,167	

\* Other Hard Costs include the Arts Program and Construction Services - Other Agencies

\*\* Soft Costs include Project & Construction Management, Project Controls, Inspection Services and Project Support

Hensel Phelps Construction Company - Overall Contract (DA-5507)	
Original Contract Award - T4 Baggage Handling System Initial Planning & Civil Works	\$ 10,000,000
First Amendment to Hensel Phelps	\$ 37,327,536
Second Amendment to Hensel Phelps - Today's action	\$ 124,131,475
<b>Total Contract Value to-Date (including today's action)</b>	<b>\$ 171,459,012</b>

### ***How This Action Advances a Specific Strategic Plan Goal and Objective***

This action advances this strategic goal and objective: Deliver Facilities & Guest Experiences that are Exceptional: Plan collaboratively to improve guest services while delivering capital improvements. This action will provide design and construction work for a new Baggage Handling System in T4. The new system will include features that reduce baggage handling time and terminal transfer time based on its improved sorting ability. The final design will support increased passenger demand and the flexibility to transfer bags between T4 and T5, which is not possible with the current system.

## 5. Fiscal Impact

The Terminal 4 Baggage Handling System Refurbishment Project is programmed in LAWA's 10-Year Capital Improvement Plan (CIP). Contemporaneous with this action and through its capital planning protocols, which includes airline consultation, LAWA is recognizing the full direct cost of the project in the amount of \$202,443,167. This represents an increase of \$149,271,131 to the CIP, and includes a budget for hard costs, soft costs, and contingency. Consequently, approval of this item will result in a net increase in that amount to the CIP.

## 6. Alternatives Considered

- **Take No Action**

Should no action be taken, T4 will not have a baggage handling sorting system, which negatively affects passenger processing and the passenger experience.

## APPROPRIATIONS

Staff requests that funds in the not-to-exceed amount of \$202,341,012 be appropriated from the LAX Revenue Fund to WBS Account 1.21.20A-700 (Terminal 4 Baggage Handling System Refurbishment), and \$102,155 from the LAX Revenue Fund to Fund70A (Arts Program), for a total appropriation of \$202,443,167. This appropriation supersedes all previous appropriations for this project, excluding LAWA overhead and program services costs, which are appropriated separately by the Board.

## STANDARD PROVISIONS

1. Any activity (approval of bids, execution of contracts, allocation of funds, etc.) for which the underlying project has previously been evaluated for environmental significance and processed according to the requirements of the California Environmental Quality Act (CEQA) is exempt from further review pursuant to Article II, Section 2.i of the Los Angeles City CEQA Guidelines. The Landside Access Modernization Program (LAMP) Environmental Impact Report was certified by the Board of Airport Commissioners for this project on March 2, 2017 (Resolution 26185) and additional analysis of the Terminal 4 Headhouse as a part of the LAX LAMP was completed in July 2021. In addition, the Negative Declaration for the American Airlines Modernization Program was adopted by the Board of Airport Commissioners for this project on September 3, 2020 (Resolution 27101).
2. The proposed document(s) is/are subject to approval as to form by the City Attorney.
3. Actions taken on this item by the Board of Airport Commissioners will become final pursuant to the provisions of Los Angeles City Charter Section 373.
4. As this is a construction project, Hensel Phelps Construction Company is required by contract to comply with the provisions of the Service Contractor Worker Retention and Living Wage Ordinance.
5. Procurement Services has reviewed this action (File No. 9860) and established 10% Small Business Enterprise (SBE) and 5% Local Business Enterprise (LBE) goals. Hensel Phelps Construction Company committed to 10% SBE and 5% percent LBE; and to-date, have achieved 13% SBE and 9.7% LBE.
6. Hensel Phelps Construction Company is required by contract to comply with the provisions of the Affirmative Action Program.
7. Hensel Phelps Construction Company has been assigned Business Tax Registration Certificate No. 0000099083-0001-4.
8. Hensel Phelps Construction Company is required by contract to comply with the provisions of the Child Support Obligations Ordinance.
9. Hensel Phelps Construction Company has approved insurance documents, in the terms and amounts required, on file with the Los Angeles World Airports.
10. As this is a construction project, the CAO has determined that this action is exempt from the provisions of Charter Section 1022 (Use of Independent Contractors).
11. Hensel Phelps Construction Company has submitted the Contractor Responsibility Program Pledge of Compliance and will comply with the provisions of the Contractor Responsibility Program.
12. Hensel Phelps Construction Company has been determined by Public Works, Office of Contract Compliance, to be in compliance with the provisions of the Equal Benefits Ordinance.
13. Hensel Phelps Construction Company will be required to comply with the provisions of the First Source Hiring Program for all non -trade LAX Airport jobs.
14. Hensel Phelps Construction Company has submitted the Bidder Contributions CEC Form 55 and will comply with its provisions.
15. Hensel Phelps Construction Company has submitted the Municipal Lobbying Ordinance Bidder Contributions CEC Form 50 and will comply with its provisions.
16. Hensel Phelps Construction Company has submitted and will comply with the provisions of the Iran Contracting Act.

**SECOND AMENDMENT TO CONTRACT DA-5507**  
**BETWEEN THE CITY OF LOS ANGELES AND HENSEL PHELPS CONSTRUCTION CO**  
**FOR THE**  
**T4 BAGGAGE HANDLING SYSTEM PROJECT**  
**AT LOS ANGELES INTERNATIONAL AIRPORT**

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THIS SECOND AMENDMENT to Contract No. DA-5507, made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2022, by and between the CITY OF LOS ANGELES (“City”), a municipal corporation, acting by order of and through its Board of Airport Commissioners (“Board”), and HENSEL PHELPS CONSTRUCTION CO. (“Design/Builder”),

**RECITALS**

WHEREAS the City’s Department of Airports known formally as Los Angeles World Airports (“LAWA”) is responsible for the management and administration of this Contract, and

WHEREAS, the Board awarded Contract DA-5507 for Design/Build services and Construction of the Project on May 20, 2021; and

WHEREAS, the Board approved the First Amendment to Contract DA-5507 on October 7, 2021 to increase the total Contract amount from \$10,000,000 to \$47,327,536.

WHEREAS, the parties desire to amend Contract DA-5507 again to increase the total Contract Amount from \$47,327,536 to \$171,459,012.00 subject to change order authority.

NOW THEREFORE, In consideration of the premises, and of the terms, covenants and conditions hereinafter contained to be kept and performed by the respective parties hereto, IT IS MUTUALLY AGREED that Contract DA-5507 be amended as follows:

### **Sec. 1.0 Incorporation by Reference**

Section 1.0 of Contract DA-5507, is amended and restated in its entirety to read:

“It is expressly understood and agreed that this Contract Agreement together with the General Conditions, Special Conditions, Project Requirements, Bonds, Insurance, Administrative Requirements, Exhibit A (which includes GMP#2 Complete T4 BHS Scope of Work Submission dated January 28, 2022), Exhibit B, and Exhibit C (hereinafter referred to as the "Contract Documents") and any document referenced in said documents, are hereby incorporated by this reference as though specifically set forth herein and shall constitute, and are hereby made, a part of this Contract, and each of the parties does hereby expressly covenant and agree to carry out and fully perform each and all of the provisions of said documents upon its part to be performed.”

### **Sec. 2.0 Scope of Work**

Section 2.1 of Contract DA-5507, is amended and restated in its entirety to read:

“Design/Builder agrees to furnish all labor, materials, equipment, tools and supervision to perform all work (hereinafter referred to as the “Work”) required as outlined in the Contract Documents hereto, to completely provide the Design and Construction of a new baggage handling system in Terminal 4. This includes relocations of the manual encode and control rooms; new ticketing and baggage claim systems; the replacement of the make-up sortation system; and baggage transfer lines between Terminals 4 and 5. LAWA will authorize the program in three phases: Phase 1 – Initial Planning and Early Works; Phase 2 – Early BHS Work; and Phase 3 – Complete GMP as per Exhibit A. All this work shall be performed in full coordination with American Airline’s Terminal Modernization Program.”

### **Sec. 3.0 Term of Contract**



Section 3.0 of Contract DA-5507, is amended and restated in its entirety to read:

“Notwithstanding any other provision herein, the term of this Contract Agreement shall commence on the date of issuance by LAWA to Design/Builder of a Notice to Proceed and expire no later than seven years from said date, and subject to other termination provisions contained within the Contract Documents. The term of this Contract Agreement may be extended by the Board of Airport Commissioners (BOAC) subject to approval by the Los Angeles City Council.”

**Sec. 4.0 Contract Amount**

Section 4.0 of Contract DA-5507, is amended and restated in its entirety to read:

“For all labor, all materials, all equipment and all services rendered, for all costs direct or indirect, and for all expenses incurred by Design/Builder pursuant to this Contract, and upon satisfactory completion of said Project in a final finished form consistent with the intent of the Contract Documents, the amount that LAWA may pay to the Design/Builder under the terms of this Contract, is Not-to-Exceed (NTE) One Hundred Seventy One Million, Four Hundred Fifty Nine Thousand, Twelve Dollars and Zero Cents (\$171,459,012.00). The basis for billings and payment under this contract shall be pursuant to the Contract Documents and payment procedures outlined in the General Conditions.”

It is understood and agreed by and between the parties hereto that, except as specifically provided herein, this Second Amendment shall not, in any manner, alter, change, modify or affect any of the rights, privileges, duties or obligations of either of the parties hereto under or by reason of said Contract No. DA-5507.

IN WITNESS WHEREOF, the parties hereto have made and executed this Second Amendment on the day and year first above written.

**APPROVED AS TO FORM**  
Michael N. Feuer, City Attorney

**CITY OF LOS ANGELES**


Date: \_\_\_\_\_

By: \_\_\_\_\_  
Chief Executive Officer  
Los Angeles World Airports

By: \_\_\_\_\_  
Deputy City Attorney

By: \_\_\_\_\_  
Chief Financial Officer  
Los Angeles World Airports

**ATTEST:**  
By:  \_\_\_\_\_  
Secretary (Signature)  
MICHAEL VERRASTRO  
Print Name

**HENSEL PHELPS CONSTRUCTION CO.**  
By:  \_\_\_\_\_  
Signature  
DAMIAN BUSSING  
Print Name  
VICE PRESIDENT  
Print Title



**HENSEL PHELPS**  
Plan. Build. Manage.

**TERMINAL 4**

**BAGGAGE HANDLING SYSTEMS**

400 World Way

Los Angeles, CA 90045



**GMP #2**

**Complete T4 BHS Scope of Work Submission**

January 28, 2022





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# Executive Summary

**T4/T5 Baggage Handling System GMP  
Executive Summary**

Owner: LAWA  
Architect: PGAL

Drawing Date: 8/8/2021  
Revision No: 90% Progress Set

ITEM	AREA		UNIT COST	TOTAL
Early Work Manual Encode & Preconstruction	13,500	GSF	\$2,422.92	\$32,709,391
Item #3A - BHS Early Work Temp T3 Belt	3,500	GSF	\$2,114.24	\$7,399,832
Item #3 - T4-3 Headhouse BHS	18,667	GSF	\$638.96	\$11,927,286
Item #4 - T4-8 BHS Headhouse Oversized	5,000	GSF	\$776.79	\$3,883,945
Item #5 - T4-8 Headhouse BHS	37,333	GSF	\$593.65	\$22,162,934
Item #6 - T4 Inbound Baggage Claim	3,500	GSF	\$2,833.12	\$9,915,912
Item #7 - T4/T5 4 Conveyor BHS Transfers	17,886	GSF	\$1,995.16	\$35,685,431
Item #8 - Bag Makeup 16 Piers	52,500	GSF	\$703.93	\$36,956,393
Item #10 T4.5 Core Extended Tug Bag Drop	2,000	GSF	\$1,248.61	\$2,497,217
Item #11 - Culvert Connector Conveyor	5,000	GSF	\$603.14	\$3,015,695
<b>Project Total Guaranteed Maximum Price</b>	<b>158,886</b>	<b>GSF</b>	<b>\$1,045.74</b>	<b>\$166,154,037</b>

Owner Allowances

Unforeseen Conditions - \$3,182,985  
Office Rent - \$2,121,990

**Total Contract Value - \$171,459,012**



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# Clarifications & Assumptions

## Terminal 4 Baggage Handling Systems (BHS) Upgrades

### T4 BHS GMP #2– Complete T4 BHS Scope of Work

#### Clarifications and Assumptions

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The following clarifications and assumptions pertain to the Terminal 4 Baggage Handling Systems (BHS) Upgrades Program for the complete T4 BHS Scope of Work at Los Angeles International Airport.

#### GMP BREAKDOWN

1. GMP #1 Phase 1: Initial Funding for Early Work and Early Design. Previously approved.
2. GMP #1 Phase 2: Manual Encode Scope of Work Including GMP #1 Phase 1. Previously approved.
3. GMP #2: Complete T4 BHS Scope of Work.

#### EXHIBIT BREAKDOWN

1. Exhibit 1 - LAX Terminal 4/5 Modernization Program Baggage Handling System Principles and Criteria, - with responses dated March 3, 2021.
2. Exhibit 2 - T4 BHS Gray List with LAWA's T4 BHS Rollout document dated 3/12/2021

#### GENERAL ITEMS

1. This budget represents the estimate for Los Angeles World Airports (LAWA) Terminal 4 Baggage Handling Systems (BHS) Upgrades phased program and includes the following scope and documents:
  - a. T4 Manual Encode Relocation with associated MCP and controls
  - b. T4 BHS Control Room Buildout
  - c. Drawings Terminal 4/5 Modernization Program 60% Design Package Volume VIII, Baggage dated 03/19/2021.
  - d. Design Build Progress drawings at 90% for Manual Encode Scope.
  - e. Project Technical Specifications, Division 34 – Baggage Handling System and as applies Volume I thru IV dated 03/19/2021.
  - f. LAX Terminal 4/5 Modernization Program Baggage Handling System Principles and Criteria, - with responses dated March 3, 2021- Exhibit #1
  - g. Per American Airlines T4/5 Program, LAWA Design and Construction Handbook (DCH) dated 2017 applies, the exception is the Baggage Handling System DCH 2019 applies.
2. Escalation due to market conditions is included in the scope of work.
3. LAWA will support the schedule requirements with regards to review of RFI's, submittals, design packages, subcontractor awards, change orders, and other administrative duties.
4. General conditions and general requirements (GC/GR) are scheduled for the work noted in the schedule exhibit.
3. The scope included is based on Exhibit 2 - T4 BHS Gray List with LAWA's T4 BHS Rollout document dated 3/12/2021. This is intended to specify the limits of work compared to the T4 Base Building construction and is included for reference.
5. Design
  - a. 0% - 30% excluded.
  - b. 30% - 100% PGAL/CAGE Included.
  - c. Siemens full design through 100% included.
6. Preconstruction services, field coordination/management, BIM coordination, fees, taxes, Insurance, building permits are include for this Scope of work.
7. Commissioning, testing and ORAT is included.
8. BHS IT Switch and Cabling from the MPOE Included.
9. Submittals and RFI's to be submitted and reviewed via ProjectSight. Each Submittal and RFI will be uploaded to LAWA Prolog for record only.
10. Subcontractor Change Orders to be reviewed and approved by Hensel Phelps w/ notification to LAWA of processed Change Orders that are within this GMP.
11. Any related construction costs that has not been designed yet (i.e. 60% to 100% / IFC design evolution) is included.



## Terminal 4 Baggage Handling Systems (BHS) Upgrades

### T4 BHS GMP #2– Complete T4 BHS Scope of Work

#### Clarifications and Assumptions

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##### SCHEDULE ASSUMPTIONS

1. Budget is based on HP schedule; "T4 Baggage Summary Schedule" Data date 3/01/2021, print date 3/23/2021.
2. Hensel Phelps will coordinate the schedule and phasing based on American Airlines operational needs.
3. Basic holidays are included in the schedule as non-workdays including New Year's Day, President's Day, Easter Monday, Memorial Day, Independence Day, Labor Day, Veterans, Thanksgiving, and Christmas.

##### GENERAL REQUIREMENTS

1. For items incomplete or not well defined by the progress set of drawings and documents, we have included reasonable scope assumptions and we expect LAWA and the end users will collaborate and assist with designing to budget, as necessary.
2. For the duration of the project, the PMO office rent is prorated monthly from American Airlines. It is assumed that LAWA / American Airlines will provide field office space within the Terminal 4/5 footprint and all utility usage will be covered within the lease rates for the terminal. Buildout of field offices are to be minimal and not held to DCH standards. An allowance for Rent, Installation, Buildout, Water, Sewer, Power and other utility usage costs for PMO offices are included.
3. Throughout the duration of the program, HP will have 24-hour use of staging at various Gates and work areas that are identified within the proposal phasing diagram.
4. The budget includes costs for storing BHS materials at a local off-site warehouse.
5. Craft parking is assumed to be the responsibility of the subcontractors. A cost for project wide bussing or parking is not included. If parking restrictions are placed on parking, the project can expect a change order request for manpower lost time and travel expenses.
6. Post 23 & 236B is anticipated for use during construction, all cost to operate the post is by others.
7. Escorting on a limited basis for construction personnel is included in the Budget, primarily for airside deliveries. The Budget includes assisting subcontractor in the early stages of award and or delivery services who are not badged.
8. All items are assumed to be openly specified to allow competitive subcontractor and supplier bidding, and this estimate does not provide for sole-sourced products. The only exception is Brock Controls which has been sole sourced for the BHS Controls scope.
9. The budget is based on Hensel Phelps self-performed labor work to be to be invoiced at cost plus 10%, plus fee. Scope that is intended to be self-performed by Hensel Phelps includes but is not limited to clean up, fire watch, escorting, barricades, concrete, etc.
10. Cost for construction cleaning is included in the estimate.
11. Hazardous Material abatement and removal is excluded. Site survey of existing conditions is included.
12. Hensel Phelps has included \$54,000 to address coded corrections for existing structure and utilities to remain as part of the BHS scope within the Manual Encode. Budget is not intended to address LAWA requested code corrections.
13. Hensel Phelps General Conditions and General Requirements are to be cost plus fee. The included staffing rates are based on billing a full 173 hours per month and will increase each January by 2.8% for the duration of the program.
14. Hensel Phelps fee is 7%.
15. As-builts provided for each phase.

##### INDIRECTS AND RESERVES

1. Cost for testing and inspection services have been assumed as by the Owner, and therefore not included within this Budget, including but not limited to:
  - Material Testing
  - Structural Inspection
  - Commission Agent

## Terminal 4 Baggage Handling Systems (BHS) Upgrades

### T4 BHS GMP #2– Complete T4 BHS Scope of Work

#### Clarifications and Assumptions

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- Third Party Testing
  - Special Inspection as identified in contract documents
2. Plan check and permit fee are included at 1.5% of the project cost.
  3. Additional Art and Advertising is excluded and assumed to be include within the permit fees.
  4. Contractor's Construction Contingency has been included at 15% based on the total Direct Cost of Work (excluding General Conditions, Indirects & Reserves, and Fees).
  5. Bond and Insurance Policy is based on the turnover and beneficial use of each phase of work, and not the overall program completion date
  6. The start of the Warranty period is based on the turnover and beneficial use of each phase of work, and not the overall program completion date
  7. It is expected that retention is released at the completion of the each phase, and not the overall program completion date

#### STRUCTURAL

1. It is assumed that the existing structure does not need upgrades to support the new conveyor or catwalk installation and can support the new loads. Supplemental support steel for BHS installation is included.

#### DEMOLITION

1. The budget only includes demolition to support the drawings noted above.

#### BAGGAGE HANDLING SYSTEMS

1. Bag portering budget is included to facilitate phasing and tie-in of the BHS.

#### FIRE PROTECTION

1. Pre-action systems required for permit are included in new BHS IT and new MCP room.

#### PLUMBING

1. For relocation of plumbing for ROW clearances, the Budget does not include replacement of existing plumbing systems that may be found to be defective, corroded, frozen, clogged, or non-code compliant.
2. Any existing underground plumbing lines that are in the vicinity of an excavation, shall be videoed prior to excavation to confirm its condition. If HP feels it has potential of damage due to earth disturbances, they shall notify LAWA for direction.

#### MECHANICAL

1. Existing remaining HVAC air systems will continue to be utilized during construction and no temporary HVAC is planned to be provided except where identified for phasing or required for critical spaces. No costs for the management of maintenance of the existing, or the addition of any interim HVAC Controls system in occupied future phase construction areas is included. Existing BMS is limited in capacity and no replacement parts are available.

#### ELECTRICAL

## Terminal 4 Baggage Handling Systems (BHS) Upgrades

### T4 BHS GMP #2– Complete T4 BHS Scope of Work

#### Clarifications and Assumptions

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1. The budget includes feeders to the new MCP's.
2. Existing building power is assumed to be sufficient for the BHS system

#### GENERAL EXCLUSIONS

1. Pest control within the terminals.
2. Janitorial services within non-work areas (both existing and new construction areas) is excluded. We do not anticipate cleaning in or around (airside) of Terminal 4 & 5 utilized by AA operations or outside of HP's construction phase zone.
3. Utility consumption charges for temporary utilities (power, water, gas and sewer) both in the terminal and the laydown yard are assumed as part of the lease rates for the terminal, and therefore are not included within the GMP.
4. The current COVID-19 is having an impact on the supply chain for raw goods and materials. HP will be following all Center for Disease Control (CDC) recommendations as well as Federal, State and local policies. These policies could have an impact on the cost and availability of materials and finished products throughout our industry. This budget or schedule does not include any costs or lead time associated with these policies.
5. Westchester laydown for the duration of the project and the rent associated.
6. Realignment of existing BHS system beyond the cutover locations.
7. Relocation of building steel, ROW and MEP trades in existing building/areas to support the new BHS outside the defined scope.
8. All BHS outside the defined scope of work.
9. Design outside the defined scope of work.
10. PR-14 section Daily inspection reports.
11. Monthly As-builts



**HENSEL PHELPS**  
Plan. Build. Manage.

# Estimate Summary





**HENSEL PHELPS**  
Plan. Build. Manage.

# T4 Complete Scope of Work- Estimate Detailed Breakdown



T4/T5 Redevelopment Program - Headhouse Selection  
Back-Up Estimate Detail

Owner: American Airlines  
Architect: PGAL

Drawing Date: 5/29/2020  
Revision No: Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>A - Item #2 - BHS Early Work - Manual Encoder Relocation</b>			<b>( 13,500 GSF )</b>			
<b>A10 - FOUNDATIONS</b>						
<b>A1010 - Standard Foundations</b>						
						0
BHS Canopy spread footing (4'x4' 4EA)	3.00	2	28	CUYD	810.00	22,680
BHS canopy columns	3.00	2	8	CUYD	1,800.00	14,400
						0
						0
<b>A1010 Subtotal</b>						<b>2.75 37,080</b>
<b>A1020 - Special Foundations</b>						
						0
						0
<b>A1020 Subtotal</b>						<b>0.00 0</b>
<b>A1030 - Slab on Grade</b>						
Floor Patching	3.00	100	13,500	SQFT	1.00	13,500
						0
<b>A1030 Subtotal</b>						<b>1.00 13,500</b>
<b>A20 - BASEMENT CONSTRUCTION</b>						
<b>A2010 - Basement Excavation</b>						
						0
						0
<b>A2010 Subtotal</b>						<b>0.00 0</b>
<b>A2020 - Basement Walls</b>						
						0
						0
<b>A2020 Subtotal</b>						<b>0.00 0</b>
<b>B10 - SUPERSTRUCTURE</b>						
<b>B1010 - Floor Construction</b>						
Fireproofing Patchback	7.81	100	13,500	SQFT	5.50	74,250
BHS Canopy	5.50	2	1	LSUM	74,250.00	74,250
						0
<b>B1010 Subtotal</b>						<b>11.00 148,500</b>
<b>B1020 - Roof Construction</b>						
						0
						0
<b>B1020 Subtotal</b>						<b>0.00 0</b>
<b>B20 - EXTERIOR CLOSURE</b>						
<b>B2010 - Exterior Walls</b>						
Canopy Over Corner w/ BHS Shell	7.54	2	1	LSUM	25,000.00	25,000
Canopy Over Corner Patch Back Existing Str	9.22	2	1	LSUM	20,000.00	20,000
						0
						0
<b>B2010 Subtotal</b>						<b>3.33 45,000</b>
<b>B2020 - Exterior Windows</b>						
						0
						0
<b>B2020 Subtotal</b>						<b>0.00 0</b>
<b>B2030 - Exterior Doors</b>						
Exterior Doors	8.44	100	1	ALLW	40,000.00	Other
						0
<b>B2030 Subtotal</b>						<b>0.00 0</b>
<b>B30 - ROOFING</b>						
<b>B3010 - Roof Coverings</b>						
						0
						0
<b>B3010 Subtotal</b>						<b>0.00 0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>						
<b>C1010 - Partitions</b>						
Non-Rated Walls	9.21	100	246	LNFT	650.00	159,900
Rated Walls	9.21	100	269	LNFT	1,000.00	269,000
Repair Shaft Walls	9.21	100	1	LSUM	25,000.00	25,000
CMU	4.22	100	112	LNFT	1,000.00	112,000
Design Completion - for Permit Compliance	9.21	100	1	LSUM	50,000.00	50,000
Relocate Existing Tenants Space Usage	9.21	100	13,500	SQFT	38.00	513,000
						0
<b>C1010 Subtotal</b>						<b>83.62 1,128,900</b>
<b>C1020 - Interior Doors</b>						
Single 3'x7' - BHS Control, BHS IT, Electrical Room, Support Space	8.12	100	12	EACH	3,500.00	42,000
Double 6'x7'	8.12	100	1	EACH	6,500.00	6,500
						0
<b>C1020 Subtotal</b>						<b>3.59 48,500</b>
<b>C1030 - Specialties</b>						
Signage	10.14	100	1	LSUM	5,000.00	5,000
						0
<b>C1030 Subtotal</b>						<b>0.37 5,000</b>
<b>C20 - STAIRS</b>						
<b>C2010 - Stair Construction</b>						
						0
						0

T4/T5 Redevelopment Program - Headhouse Selection  
Back-Up Estimate Detail

Owner: American Airlines  
Architect: PGAL

Drawing Date: 5/29/2020  
Revision No: Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>A - Item #2 - BHS Early Work - Manual Encoder Relocation</b>			<b>( 13,500 GSF )</b>			
<b>C2020 - Stair Finishes</b>			<b>C2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
						0
						0
			<b>C2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C30 - INTERIOR FINISHES</b>						
<b>C3010 - Wall Finishes</b>						
Wall Finishes - Paint	9.91	100	15,800	SQFT	2.10	33,181
Paint Door Frames - New and Existing	9.91	100	1	LSUM	10,000.00	10,000
						0
			<b>C3010 Subtotal</b>		<b>3.20</b>	<b>43,181</b>
<b>C3020 - Floor Finishes</b>						
Floor Finishes - BSO Control - Tile, base	9.65	100	204	SQFT	13.00	2,652
Floor Finishes - Others - Clean Sealed Concrete	9.65	100	13,296	SQFT	3.50	46,536
Walkway Striping	9.91	100	13,500	SQFT	1.50	20,250
						0
			<b>C3020 Subtotal</b>		<b>5.14</b>	<b>69,438</b>
<b>C3030 - Ceiling Finishes</b>						
BHS Control Room - ACT	9.51	100	204	SQFT	18.00	3,672
Open Ceiling Spaces - Undefined	9.51	100	13,296	SQFT	5.00	66,480
						0
			<b>C3030 Subtotal</b>		<b>5.20</b>	<b>70,152</b>
<b>D10 - CONVEYING</b>						
<b>D1010 - Elevators &amp; Lifts</b>						
						0
						0
			<b>D1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>						
start description here						0
						0
			<b>D1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>						
<b>Baggage Handling System (BHS)</b>						0
Design - Build BHS Contractor/Designer Review	34.01	100	7,750,000	%K	0.008	58,952
Preconstruction - Design w/ BHS Contractor thru 2021	34.02	100	1	LSUM	1,698,126	1,698,126
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	60.27	100	13,500	SQFT	23	307,125
BHS Demo & Interm Operations	34.01	100	1	SUB	26,250.00	26,250
Manual Encode Step 1-3 (Option A or B)	34.02	100	1	SUB	3,986,341.00	3,986,341
MCP and Control Room Move	34.02	100	1	SUB	2,500,000.00	2,500,000
Specific Requirements By Operators	34.01	100	1	LSUM	100,000.00	100,000
Bag Portering	60.60	100	5,000,000	LSUM	0.10	500,000
Proprietary Adjustment	34.01	100				0
Engineering & Design Completion	34.01	100	1	SUB	387,500.00	387,500
BHS canopy - shell over BHS	34.02	2	1	LSUM	35,000.00	35,000
						0
			<b>D1090 Subtotal</b>		<b>711.06</b>	<b>9,599,294</b>
<b>D20 - PLUMBING</b>						
<b>D2010 - Plumbing Fixtures</b>						
Plumbing	22.00	100	13,500	SQFT	5.50	74,250
						0
			<b>D2010 Subtotal</b>		<b>5.50</b>	<b>74,250</b>
<b>D2020 - Domestic Water Distribution</b>						
						0
						0
			<b>D2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>						
						0
						0
			<b>D2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>						
						0
						0
			<b>D2040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>						
						0
						0
			<b>D2090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>						
<b>D3010 - Energy Supply</b>						
Provide HVAC equipment for new BHS Control Room and Electrical Room	23.00	100	1	LSUM	200,000.00	200,000
Provide Redundant HVAC equipment for new BHS Control Room and Electrical Room						INC
			<b>D3010 Subtotal</b>		<b>14.81</b>	<b>200,000</b>
<b>D3020 - Heat Generating Systems</b>						
						0
						0
			<b>D3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3030 - Cooling Generating Systems</b>						
						0



T4/T5 Redevelopment Program - Headhouse Selection  
 Back-Up Estimate Detail

Owner: American Airlines  
 Architect: PGAL

Drawing Date: 5/29/2020  
 Revision No: Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>A - Item #2 - BHS Early Work - Manual Encoder Relocation</b>			<b>( 13,500 GSF )</b>			
			-	-	-	0
						0
<b>D3040 - Distribution Systems</b>						
						0
Reconfigure existing ductwork that conflicts with new BHS runs	23.00	100	1	LSUM	0.00	INC
Reconfigure existing ductwork in FIS area	23.00	100	1	LSUM	300,000.00	300,000
Test, Adjust, Re-balance (TAB)	23.00	100	1	LSUM	0.00	INC
Temp Cooling (AHU 4.4-9)	23.00	100	1	LSUM	500,000.00	500,000
						0
						0
						0
						0
						0
<b>D3040 Subtotal</b>					<b>59.26</b>	<b>800,000</b>
<b>D3050 - Terminal &amp; Package Units</b>						
						0
						0
						0
<b>D3050 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D3060 - Controls &amp; Instrumentation</b>						
						0
						0
						0
<b>D3060 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D3070 - Systems Testing &amp; Balancing</b>						
						0
Test & Rebalance	23.00	100	1	LSUM	9,000.00	9,000
						0
						0
<b>D3070 Subtotal</b>					<b>0.67</b>	<b>9,000</b>
<b>D3090 - Other HVAC Systems &amp; Equipment</b>						
						0
						0
						0
<b>D3090 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D40 - FIRE PROTECTION</b>						
<b>D4010 - Sprinklers</b>						
						0
Fire Protection System	21.00	100	13,500	SQFT	18.00	243,000
Preaction System	21.00	100	1	LSUM	100,000.00	100,000
						0
						0
<b>D4010 Subtotal</b>					<b>25.41</b>	<b>343,000</b>
<b>D4020 - Standpipe Systems</b>						
						0
						0
						0
<b>D4020 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D4030 - Fire Protection Specialties</b>						
						0
						0
						0
<b>D4030 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D4090 - Other Fire Protection Systems</b>						
						0
						0
						0
<b>D4090 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D50 - ELECTRICAL</b>						
<b>D5010 - Electrical Service &amp; Distribution</b>						
						0
Electrical - Trace Circuits Existing IT & MCP - As Builts	26.00	100	1	LSUM	250,000.00	59,000
Relocate Service to Existing MCP & Electrical Room	26.00	100	1	LSUM	2,000,000.00	2,000,000
Electrical - BHS Controls, BHS IT, BHS Electrical	26.00	100	1	SUB	909,000.00	w/ BHS
						0
BHS power from building distribution power to PDPs	26.00	43	1	LSUM	1,750,000.00	1,750,000
						0
						0
						0
						0
<b>D5010 Subtotal</b>					<b>282.15</b>	<b>3,809,000</b>
<b>D5020 - Lighting &amp; Branch Wiring</b>						
						0
						0
<b>D5020 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D5030 - Communications &amp; Security</b>						
						0
						0
						0
<b>D5030 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>D5090 - Other Electrical Services</b>						
						0
Conduits and cabling for BHS load belt cameras	26.00	39				0
						0
						0
<b>D5090 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>E10 - EQUIPMENT</b>						
<b>E1010 - Commercial Equipment</b>						
						0
						0
						0
<b>E1010 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>E1020 - Institutional Equipment</b>						
						0
						0
						0
<b>E1020 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>E1030 - Vehicular Equipment</b>						

T4/T5 Redevelopment Program - Headhouse Selection  
Back-Up Estimate Detail

Owner: American Airlines  
Architect: PGAL

Drawing Date: 5/29/2020  
Revision No: Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>A - Item #2 - BHS Early Work - Manual Encoder Relocation</b>			<b>( 13,500 GSF )</b>			
			-	-	-	0
			-	-	-	0
			<b>E1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1090 - Other Equipment</b>						
EXISTING BAG CHUTE UNDER EVALUATION FOR GATE 401 (Reference She	34.01	34	1	LSUM	200,000.00	200,000
			-	-	-	0
			<b>E1090 Subtotal</b>		<b>14.81</b>	<b>200,000</b>
<b>E20 - FURNISHINGS</b>						
<b>E2010 - Fixed Furnishings</b>						
Fixed Furnishings	6.41	100	13,500	SQFT	1.25 Other	
			-	-	-	0
			<b>E2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>						
			-	-	-	0
			-	-	-	0
			<b>E2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>						
<b>F1010 - Special Structures</b>						
Code Correction Allowance	60.10	100	13,500	SQFT	4.00	54,000
Conflict / Phasing MEP Reroute	60.20	100	13,500	SQFT	0.00	w/ HH / Con
Adj To Design- New/Exist MEPF to Structure and Architecture	60.25	100	13,500	SQFT	92.00	1,242,000
Escorting and Firewatch Personnel	60.40	100	1	LSUM	28,026.00	28,026
Airport Escort Vehicles & Operators	60.40	100	12	MO	3,124.80	37,498
Escalation	60.85	100	0	PERC	19,301,955.49	579,059
			-	-	-	0
			<b>F1010 Subtotal</b>		<b>143.75</b>	<b>1,940,582</b>
<b>F1020 - Integrated Construction</b>						
BHS Signage	10.14	29	1	LSUM	10,000.00	10,000
			-	-	-	0
			<b>F1020 Subtotal</b>		<b>0.74</b>	<b>10,000</b>
<b>F1030 - Special Construction Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>F1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>						
			-	-	-	0
			-	-	-	0
			<b>F1040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>						
			-	-	-	0
			-	-	-	0
			<b>F1050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>						
<b>F2010 - Building Elements Demolition</b>						
<b>Temp Partitions For Phasing and Operations</b>						
8' Painted Wood Barricade	60.70	100	0	LNFT	290.00	0
10' Painted Wood Barricade	60.70	100	1,000	LNFT	326.00	326,000
13' Painted Wood Barricade	60.70	100	0	LNFT	386.00	0
Gates & Doors	60.70	100	0	LSUM	67,800.00	0
8' Drywall barricade	60.70	100	0	LNFT	105.00	0
12' Drywall Barricade	60.70	100	0	LNFT	168.00	0
15' Drywall Barricade	60.70	100	0	LNFT	178.00	0
18' Drywall Barricade	60.70	100	0	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.70	100	0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.70	100	0	LNFT	260.50	0
Arrivals Barricade Phasing	60.70	100	0	PHASE	67,200.00	0
FAA Barricade & Relocation	60.70	100	0	LNFT	75.00	0
South Wall Debris Netting	60.70	100	0	LSUM	75,000.00	0
Temporary Blastwall	60.70	100	0	LNFT	1,333.33	0
Working Platform (inc temp MEPF, Dust & Roofing)	60.70	100	0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	60.70	100	52	WEEKS	850.00	44,166
Project Safety Make-safe & Oversight	60.75	100	51.96	WEEKS	2,960.00	153,802
						0
<b>Daily Cleanup Crew / General Labor</b>						
1 Laborers Day Shift or 1 Night Shift	60.80	100	12	MONTH	21,168.00	254,016
HP Craft Parking - Cleanup Labor	60.80	100	12	MONTH	630.00	7,560
HP Craft Parking - 5 each Gen Labor	60.80	100	12	MONTH	3,150.00	37,800
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.80	100	0	TRIP	865.00	0
Dumpster Dump Fees	60.80	100	26	DUMP	800.00	20,803
Recycling Dumpster Fees	60.80	100	1	DUMP	800.00	1,040
Recycling Dumpster Fees - FFE	60.80	100	0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	60.80	100	0	PENING	350.00	0
Pest Control	60.80	100	12	MONTH	100.00	1,200
Final Clean-Up - Bldg	60.80	100	13,500	SQFT	1.50	20,250
Final Clean-Up - Exterior Skin New Construction	60.80	100	0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.80	100	0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.80	100	0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	60.80	100	0	EACH	15,000.00	0
						0

T4/T5 Redevelopment Program - Headhouse Selection  
Back-Up Estimate Detail

Owner: American Airlines  
Architect: PGAL

Drawing Date: 5/29/2020  
Revision No: Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>A - Item #2 - BHS Early Work - Manual Encoder Relocation</b>			( 13,500 GSF )			
Demo BLDG Arch	2.41	100	13,500	SQFT	30.00	405,000
Demo Bldg Arch & Str	2.41	100	0	SQFT	60.00	0
Demo Bldg Arch & Str & Replacment	2.41	100	0	SQFT	5,000,000.00	0
Sidewalk Canopy 336' x 8'	5.50	100	0	MO	7,725.83	0
Pedestrian Barricades/Traffic Control/Lighting	60.70	100	0	LSUM	86,016.00	0
Sidewalk Canopy & Fencing	5.50	100	0	LSUM	186,666.67	0
Sidewalk Canopy & Fencing Lower/ Phases	5.50	100	0	LSUM	186,666.67	0
		100				0
Phasing to Support Propriety	60.70	100		LSUM		0
Phasing to Support Propriety	60.70	100		LSUM		0
			-	-	-	0
<b>F2010 Subtotal</b>					<b>94.20</b>	<b>1,271,637</b>
<b>F2020 - Hazardous Components Abatement</b>						
None Included - By Owner				LSUM		Excluded
Survey Existing	2.41	100	1	LSUM	15,000.00	15,000
			-	-	-	0
<b>F2020 Subtotal</b>					<b>1.11</b>	<b>15,000</b>
						<b>0</b>

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>B - Item #3A - BHS Early Work Temp T3 Belt</b>		<b>( 3,500 GSF )</b>			
<b>A10 - FOUNDATIONS</b>					
<b>A1010 - Standard Foundations</b>					
		-	-	-	0
		-	-	-	0
		<b>A1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1020 - Special Foundations</b>					
		-	-	-	0
		-	-	-	0
		<b>A1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1030 - Slab on Grade</b>					
		-	-	-	0
		-	-	-	0
		<b>A1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A20 - BASEMENT CONSTRUCTION</b>					
<b>A2010 - Basement Excavation</b>					
		-	-	-	0
		-	-	-	0
		<b>A2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A2020 - Basement Walls</b>					
		-	-	-	0
		-	-	-	0
		<b>A2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B10 - SUPERSTRUCTURE</b>					
<b>B1010 - Floor Construction</b>					
Miscellaneous Metals @ .45#/SF - BHS Temp Supports	5.50	0.78750	TONS	18,000.00	14,175
Miscellaneous Metals @ .45#/SF - BHS Temp Supports	5.50	0.22500	TONS	18,000.00	4,050
		-	-	-	0
		<b>B1010 Subtotal</b>		<b>5.21</b>	<b>18,225</b>
<b>B1020 - Roof Construction</b>					
		-	-	-	0
		-	-	-	0
		<b>B1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B20 - EXTERIOR CLOSURE</b>					
<b>B2010 - Exterior Walls</b>					
		-	-	-	0
		-	-	-	0
		<b>B2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2020 - Exterior Windows</b>					
		-	-	-	0
		-	-	-	0
		<b>B2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2030 - Exterior Doors</b>					
		-	-	-	0
		-	-	-	0
		<b>B2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B30 - ROOFING</b>					
<b>B3010 - Roof Coverings</b>					
		-	-	-	0
		-	-	-	0
		<b>B3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>					
<b>C1010 - Partitions</b>					
Architectural and MEPF Replacement - Like for like	9.21	3,500	LSUM	100.00	350,000
		-	-	-	0
		<b>C1010 Subtotal</b>		<b>100.00</b>	<b>350,000</b>
<b>C1020 - Interior Doors</b>					
		-	-	-	0
		-	-	-	0
		<b>C1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1030 - Specialties</b>					
		-	-	-	0
		-	-	-	0
		<b>C1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C20 - STAIRS</b>					
<b>C2010 - Stair Construction</b>					
		-	-	-	0
		-	-	-	0
		<b>C2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C2020 - Stair Finishes</b>					

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	QUANTITY	UNIT	\$/UNIT	TOTAL	
<b>B - Item #3A - BHS Early Work Temp T3 Belt</b>		<b>( 3,500 GSF )</b>				
					0	
		-	-	-	0	
		<b>C2020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C30 - INTERIOR FINISHES</b>						
<b>C3010 - Wall Finishes</b>						
		-	-	-	0	
		-	-	-	0	
		<b>C3010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C3020 - Floor Finishes</b>						
		-	-	-	0	
		-	-	-	0	
		<b>C3020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C3030 - Ceiling Finishes</b>						
		-	-	-	0	
		-	-	-	0	
		<b>C3030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>						
<b>D1010 - Elevators &amp; Lifts</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D1010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>						
<b>Baggage Handling System (BHS)</b>					0	
Design - Build BHS Contractor/Designer Review	34.01	1,767,150	%K	0.0258	45,670	
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	60.27	3,500	SQFT	64.10	224,350	
BHS Demo & Interm Operations	34.01	1	SUB	84,150.00	84,150	
BHS Relocation for Construction T4-3 (3)	34.02	1	SUB	0.00	w/ Sec C	
BHS Relocation for Construction T4-3 (3A)	34.02	1	SUB	2,700,757.00	2,700,757	
BHS Relocation for Construction T4-3 (3A) Temp Belt HSD	34.02	1	SUB	315,000.00	315,000	
AA Specific Requirements	34.01	1	LSUM	20,000.00	20,000	
Bag Portering	60.6	1,767,150.00	LSUM	0.018750	33,134	
Engineering & Undefined BHS	34.01	1	SUB	88,357.50	88,358	
Security Grill & Fire shutter	34.01	1	LSUM	25,000.00	25,000	
		-	-	-	0	
		<b>D1090 Subtotal</b>			<b>1,010.41</b>	<b>3,536,418</b>
<b>D20 - PLUMBING</b>						
<b>D2010 - Plumbing Fixtures</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D2010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2020 - Domestic Water Distribution</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D2020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D2030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D2040 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D2090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>						
<b>D3010 - Energy Supply</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D3010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3020 - Heat Generating Systems</b>						
		-	-	-	0	
		-	-	-	0	
		<b>D3020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3030 - Cooling Generating Systems</b>						



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	QUANTITY	UNIT	\$/UNIT	TOTAL	
<b>B - Item #3A - BHS Early Work Temp T3 Belt</b>		<b>( 3,500 GSF )</b>				
					0	
		-	-	-	0	
		<b>D3030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3040 - Distribution Systems</b>					0	
		-	-	-	0	
		<b>D3040 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3050 - Terminal &amp; Package Units</b>					0	
		-	-	-	0	
		<b>D3050 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3060 - Controls &amp; Instrumentation</b>					0	
		-	-	-	0	
		<b>D3060 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3070 - Systems Testing &amp; Balancing</b>					0	
		-	-	-	0	
		<b>D3070 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3090 - Other HVAC Systems &amp; Equipment</b>					0	
		-	-	-	0	
		<b>D3090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D40 - FIRE PROTECTION</b>						
<b>D4010 - Sprinklers</b>					0	
		-	-	-	0	
		<b>D4010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D4020 - Standpipe Systems</b>					0	
		-	-	-	0	
		<b>D4020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D4030 - Fire Protection Specialties</b>					0	
		-	-	-	0	
		<b>D4030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D4090 - Other Fire Protection Systems</b>					0	
		-	-	-	0	
		<b>D4090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D50 - ELECTRICAL</b>						
<b>D5010 - Electrical Service &amp; Distribution</b>						
Cameras & Security	26.00	1	LSUM	35,000.00	35,000	
		-	-	-	0	
		<b>D5010 Subtotal</b>			<b>10.00</b>	<b>35,000</b>
<b>D5020 - Lighting &amp; Branch Wiring</b>					0	
		-	-	-	0	
		<b>D5020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D5030 - Communications &amp; Security</b>					0	
		-	-	-	0	
		<b>D5030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D5090 - Other Electrical Services</b>					0	
		-	-	-	0	
		<b>D5090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E10 - EQUIPMENT</b>						
<b>E1010 - Commercial Equipment</b>					0	
		-	-	-	0	
		<b>E1010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E1020 - Institutional Equipment</b>					0	
		-	-	-	0	
		<b>E1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E1030 - Vehicular Equipment</b>					0	
		-	-	-	0	
		<b>E1030 Subtotal</b>			<b>0.00</b>	<b>0</b>

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>B - Item #3A - BHS Early Work Temp T3 Belt</b>		<b>( 3,500 GSF )</b>			
<b>E1090 - Other Equipment</b>					
		-	-	-	0
		-	-	-	0
<b>E1090 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>E20 - FURNISHINGS</b>					
<b>E2010 - Fixed Furnishings</b>					
		-	-	-	0
		-	-	-	0
<b>E2010 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>					
		-	-	-	0
		-	-	-	0
<b>E2020 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>					
<b>F1010 - Special Structures</b>					
Code Correction Allowance	60.1	3,500	SQFT	0.00	0
Conflict / Phasing MEP Reroute	60.2	3,500	SQFT	0.00	0
Adj To Design- New/Exist MEPF to Structure and Architecture	60.25	3,500	SQFT	70.00	245,000
Escorting and Firewatch Personnel	60.4	1	LSUM	2,335.50	2,336
Airport Escort Vehicles & Operators	60.4	3,000	MO	3,124.80	9,374
Escalation	60.85	0	PERC	4,366,673.26	131,000
		-	-	-	0
<b>F1010 Subtotal</b>				<b>110.77</b>	<b>387,710</b>
<b>F1020 - Integrated Construction</b>					
		-	-	-	0
		-	-	-	0
<b>F1020 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>					
		-	-	-	0
		-	-	-	0
<b>F1030 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>					
		-	-	-	0
		-	-	-	0
<b>F1040 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>					
		-	-	-	0
		-	-	-	0
<b>F1050 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>					
<b>F2010 - Building Elements Demolition</b>					
<b>Temp Partitions For Phasing and Operations</b>					
8' Painted Wood Barricade	60.7	0	LNFT	290.00	0
10' Painted Wood Barricade	60.7	0	LNFT	326.00	0
13' Painted Wood Barricade	60.7	0	LNFT	386.00	0
Gates & Doors	60.7	0	LSUM	67,800.00	0
8' Drywall barricade	60.7	0	LNFT	105.00	0
12' Drywall Barricade	60.7	100,000	LNFT	168.00	16,800
15' Drywall Barricade	60.7	0	LNFT	178.00	0
18' Drywall Barricade	60.7	0	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.7	0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.7	0	LNFT	260.50	0
Arrivals Barricade Phasing	60.7	0	PHASE	67,200.00	0
FAA Barricade & Relocation	60.7	0	LNFT	75.00	0
South Wall Debris Netting	60.7	0	LSUM	75,000.00	0
Temporary Blastwall	60.7	0	LNFT	1,333.33	0
Working Platform (inc temp MEPF, Dust & Roofing)	60.7	0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	60.7	12.99	WEEKS	850.00	11,042
Project Safety Maintenance & Survey	60.75	3	WEEKS	2,960.00	8,880
					0
<b>Daily Cleanup Crew / General Labor</b>					
1 Laborers Day Shift or 1 Night Shift -Temp Belt HSD	60.8	1,000	MONTH	4,233.60	4,234
HP Craft Parking - Cleanup Labor - Temp Belt HSD	60.8	1,000	MONTH	630.00	630
1 Laborers Day Shift or 1 Night Shift	60.8	3,000	MONTH	21,168.00	63,504
HP Craft Parking - Cleanup Labor	60.8	3	MONTH	630.00	1,890
HP Craft Parking - 5 each Gen Labor	60.8	3	MONTH	3,150.00	9,450
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.8	0	TRIP	865.00	0
Dumpster Dump Fees	60.8	1,299	DUMP	800.00	1,039
Recycling Dumpster Fees	60.8	0.06	DUMP	800.00	52
Recycling Dumpster Fees - FFE	60.8	0	DUMP	800.00	0

**T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail**

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>B - Item #3A - BHS Early Work Temp T3 Belt</b>		<b>( 3,500 GSF )</b>			
Trash Chutes, Temporary Openings (Phasing)	60.8	0	OPENING	350.00	0
Pest Control	60.8	3	MONTH	100.00	300
Final Clean-Up - Bldg	60.8	0	SQFT	1.50	0
Final Clean-Up - Exterior Skin New Construction	60.8	0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.8	0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.8	0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	60.8	0	EACH	15,000.00	0
					0
Demo BLDG Arch	2.41	3,500	SQFT	15.00	52,500
Demo Bldg Arch & Str	2.41	0	SQFT	60.00	0
Demo Bldg Arch & Str & Replacment	2.41	0	SQFT	5,000,000.00	0
Sidewalk Canopy 336' x 8'	1.08	0	MO	7,725.83	0
Pedestrian Barricades/Traffic Control/Lighting	1.08	0	LSUM	86,016.00	0
Sidewalk Canopy & Fencing	1.08	0	LSUM	186,666.67	0
Sidewalk Canopy & Fencing Lower/ Phases	60.7	0	LSUM	186,666.67	0
					0
Phasing to Support Propriety	60.7		LSUM		0
Phasing to Support Propriety	60.7		LSUM		0
		-	-	-	0
		<b>F2010 Subtotal</b>		<b>48.66</b>	<b>170,320</b>
<b>F2020 - Hazardous Components Abatement</b>					
		-	-	-	0
		-	-	-	0
		<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
					<b>0</b>



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>C - Item #3 - T4-3 Headhouse BHS</b>			( 18,667 GSF )			
<b>A10 - FOUNDATIONS</b>						
<b>A1010 - Standard Foundations</b>						
			-	-	-	0
			-	-	-	0
			<b>A1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1020 - Special Foundations</b>						
			-	-	-	0
			<b>A1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1030 - Slab on Grade</b>						
			-	-	-	0
			-	-	-	0
			<b>A1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A20 - BASEMENT CONSTRUCTION</b>						
<b>A2010 - Basement Excavation</b>						
			-	-	-	0
			<b>A2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A2020 - Basement Walls</b>						
				LSUM		0
			-	-	-	0
			<b>A2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B10 - SUPERSTRUCTURE</b>						
<b>B1010 - Floor Construction</b>						
Pads & Curbs				LSUM		0
Miscellaneous Metals @ .45#/SF - BHS Temp Supports	5.50		4	TONS	18,000.00	75,600
Painting of Misc Metals				TONS		0
Winter Protection				LSUM		0
Hoisting				LSUM		0
Reroute BHS South of Column Line C	5.12		1	LSUM	125,000.00	125,000
						0
COLUMNS TO SHIFT NORTH FOR EXPANSION JOINT COORDINATION. EXIS	5.12	30	1	LSUM	300,000.00	300,000
			-	-	-	0
			-	-	-	0
			<b>B1010 Subtotal</b>		<b>26.82</b>	<b>500,600</b>
<b>B1020 - Roof Construction</b>						
			-	-	-	0
			-	-	-	0
			<b>B1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B20 - EXTERIOR CLOSURE</b>						
<b>B2010 - Exterior Walls</b>						
			-	-	-	0
			-	-	-	0
			<b>B2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2020 - Exterior Windows</b>						
			-	-	-	0
			-	-	-	0
			<b>B2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2030 - Exterior Doors</b>						
			-	-	-	0
			-	-	-	0
			<b>B2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B30 - ROOFING</b>						
<b>B3010 - Roof Coverings</b>						
			-	-	-	0
			-	-	-	0
			<b>B3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>						
<b>C1010 - Partitions</b>						
			-	-	-	0
			-	-	-	0
			<b>C1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1020 - Interior Doors</b>						
			-	-	-	0
			-	-	-	0
			<b>C1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1030 - Specialties</b>						
			-	-	-	0
			-	-	-	0
			<b>C1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C20 - STAIRS</b>						
<b>C2010 - Stair Construction</b>						
			-	-	-	0
			-	-	-	0
			<b>C2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C2020 - Stair Finishes</b>						
			-	-	-	0
			-	-	-	0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>C - Item #3 - T4-3 Headhouse BHS</b>			<b>( 18,667 GSF )</b>			
			<b>C2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C30 - INTERIOR FINISHES</b>						
<b>C3010 - Wall Finishes</b>						
			<b>C3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3020 - Floor Finishes</b>						
			<b>C3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3030 - Ceiling Finishes</b>						
			<b>C3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>						
<b>D1010 - Elevators &amp; Lifts</b>						
			<b>D1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>						
			<b>D1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>						
<b>Baggage Handling System (BHS)</b>						
Design - Build BHS Contractor/Designer Review	34.01		3,208,350	%K	0.0258	82,915
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	60.27		18,667	SQFT	21	398,844
BHS Demo & Intern Operations	34.01		1	SUB	289,850.00	289,850
BHS Relocation for Construction T4-3 (3)	34.02		1	SUB	4,044,094.00	4,044,094
BHS Relocation for Construction T4-3 (3A)	34.02		1	SUB	20,000.00	w/ Sec B
AA Specific Requirements	34.01		1	LSUM	35,000.00	35,000
Bag Portering	60.6		3,208,350.00	LSUM	0.018750	60,157
Engineering & Undefined BHS	34.01		1	SUB	160,417.50	160,418
Rebuild Center X-Line	34.01		1	SUB	336,600.00	336,600
Reroute BHS South of Column Line C	34.01		1	SUB	100,000.00	100,000
			<b>D1090 Subtotal</b>		<b>295.06</b>	<b>5,507,878</b>
<b>D20 - PLUMBING</b>						
<b>D2010 - Plumbing Fixtures</b>						
			<b>D2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2020 - Domestic Water Distribution</b>						
			<b>D2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>						
			<b>D2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>						
			<b>D2040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>						
			<b>D2090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>						
<b>D3010 - Energy Supply</b>						
			<b>D3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3020 - Heat Generating Systems</b>						
			<b>D3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3030 - Cooling Generating Systems</b>						
			<b>D3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3040 - Distribution Systems</b>						
			<b>D3040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3050 - Terminal &amp; Package Units</b>						
			<b>D3050 Subtotal</b>		<b>0.00</b>	<b>0</b>

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>C - Item #3 - T4-3 Headhouse BHS</b>			<b>( 18,667 GSF )</b>			
			-	-	-	0
			D3050 Subtotal		0.00	0
D3060 - Controls & Instrumentation			-	-	-	0
			-	-	-	0
			D3060 Subtotal		0.00	0
D3070 - Systems Testing & Balancing			-	-	-	0
			-	-	-	0
			D3070 Subtotal		0.00	0
D3090 - Other HVAC Systems & Equipment			-	-	-	0
			-	-	-	0
			D3090 Subtotal		0.00	0
<b>D40 - FIRE PROTECTION</b>						
D4010 - Sprinklers			-	-	-	0
			-	-	-	0
			D4010 Subtotal		0.00	0
D4020 - Standpipe Systems			-	-	-	0
			-	-	-	0
			D4020 Subtotal		0.00	0
D4030 - Fire Protection Specialties			-	-	-	0
			-	-	-	0
			D4030 Subtotal		0.00	0
D4090 - Other Fire Protection Systems			-	-	-	0
			-	-	-	0
			D4090 Subtotal		0.00	0
<b>D50 - ELECTRICAL</b>						
D5010 - Electrical Service & Distribution			-	-	-	0
			-	-	-	0
			D5010 Subtotal		0.00	0
D5020 - Lighting & Branch Wiring			-	-	-	0
			-	-	-	0
			D5020 Subtotal		0.00	0
D5030 - Communications & Security			-	-	-	0
			-	-	-	0
			D5030 Subtotal		0.00	0
D5090 - Other Electrical Services			-	-	-	0
			-	-	-	0
			D5090 Subtotal		0.00	0
<b>E10 - EQUIPMENT</b>						
E1010 - Commercial Equipment			-	-	-	0
			-	-	-	0
			E1010 Subtotal		0.00	0
E1020 - Institutional Equipment			-	-	-	0
			-	-	-	0
			E1020 Subtotal		0.00	0
E1030 - Vehicular Equipment			-	-	-	0
			-	-	-	0
			E1030 Subtotal		0.00	0
E1090 - Other Equipment			-	-	-	0
			-	-	-	0
			E1090 Subtotal		0.00	0
<b>E20 - FURNISHINGS</b>						
E2010 - Fixed Furnishings			-	-	-	0
			-	-	-	0
			E2010 Subtotal		0.00	0
E2020 - Moveable Furnishings			-	-	-	0
			-	-	-	0
			E2020 Subtotal		0.00	0
<b>F10 - SPECIAL CONSTRUCTION</b>						
F1010 - Special Structures						
Code Correction Allowance	60.1		0	SQFT	2.00	0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>C - Item #3 - T4-3 Headhouse BHS</b>			<b>( 18,667 GSF )</b>			
Conflict / Phasing MEP Reroute	60.2		18,667	SQFT	0.00	0
Adj To Design- New/Exist MEPP to Structure and Architecture	60.25		18,667	SQFT	17.50	326,667
Escorting and Firewatch Personnel	60.4		1	LSUM	14,013.00	14,013
Airport Escort Vehicles & Operators	60.4		18.0000	MO	3,124.80	56,246
Escalation	60.85	100	0	PERC	7,038,343.88	211,150
			-	-	-	0
<b>F1010 Subtotal</b>					<b>32.58</b>	<b>608,076</b>
<b>F1020 - Integrated Construction</b>						
			-	-	-	0
			-	-	-	0
<b>F1020 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>						
			-	-	-	0
			-	-	-	0
<b>F1030 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>						
			-	-	-	0
			-	-	-	0
<b>F1040 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>						
			-	-	-	0
			-	-	-	0
<b>F1050 Subtotal</b>					<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>						
<b>F2010 - Building Elements Demolition</b>						
<b>Temp Partitions For Phasing and Operations</b>						0
8' Painted Wood Barricade	60.7		0	LNFT	290.00	0
10' Painted Wood Barricade	60.7		0	LNFT	326.00	0
13' Painted Wood Barricade	60.7		0	LNFT	386.00	0
Gates & Doors	60.7		0	LSUM	67,800.00	0
8' Drywall barricade	60.7		0	LNFT	105.00	0
12' Drywall Barricade	60.7		333.333	LNFT	168.00	56,000
15' Drywall Barricade	60.7		0	LNFT	178.00	0
18' Drywall Barricade	60.7		0	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.7		0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.7		0	LNFT	260.50	0
Arrivals Barricade Phasing	60.7		0	PHASE	67,200.00	0
FAA Barricade & Relocation	60.7		0	LNFT	75.00	0
South Wall Debris Netting	60.7		0	LSUM	75,000.00	0
Temporary Blastwall	60.7		0	LNFT	1,333.33	0
Working Platform (inc temp MEPP, Dust & Roofing)	60.7		0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	60.7		77.94	WEEKS	850.00	66,249
Project Safety Maintenance & Survey	60.75		18	WEEKS	2,960.00	53,280
						0
<b>Daily Cleanup Crew / General Labor</b>						0
1 Laborers Day Shift or 1 Night Shift	60.8		18.000	MONTH	21,168.00	381,024
HP Craft Parking - Cleanup Labor	60.8		18	MONTH	630.00	11,340
HP Craft Parking - 5 each Gen Labor	60.8		18	MONTH	3,150.00	56,700
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.8		0	TRIP	865.00	0
Dumpster Dump Fees	60.8		7.794	DUMP	800.00	6,235
Recycling Dumpster Fees	60.8		0.39	DUMP	800.00	312
Recycling Dumpster Fees - FFE	60.8		0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	60.8		0	PENING	350.00	0
Pest Control	60.8		18	MONTH	100.00	1,800
Final Clean-Up - Bldg	60.8		0	SQFT	1.50	0
Final Clean-Up - Exterior Skin New Construction	60.8		0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.8		0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.8		0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	60.8		0	EACH	15,000.00	0
						0
Demo BLDG Arch	2.42		0	SQFT	30.00	w/ base HH
Demo Bldg Arch & Str	2.42		0	SQFT	60.00	0
Demo Bldg Arch & Str & Replacment	2.42		0	SQFT	5,000,000.00	0
Sidewalk Canopy 336' x 8'	1.08	Ph1	0	MO	7,725.83	0
Pedestrian Barricades/Traffic Control/Lighting	1.08	Ph1	0	LSUM	86,016.00	0
Sidewalk Canopy & Fencing	1.08	Ph5	0	LSUM	186,666.67	0
Sidewalk Canopy & Fencing Lower/ Phases	60.7	Ph5	0	LSUM	186,666.67	0
						0
Phasiing to Support Propriety	60.7			LSUM		0
Phasiing to Support Propriety	60.7			LSUM		0
			-	-	-	0
<b>F2010 Subtotal</b>					<b>33.91</b>	<b>632,940</b>
<b>F2020 - Hazardous Components Abatement</b>						
None Included				LSUM		w/ Demo
			-	-	-	0
<b>F2020 Subtotal</b>					<b>0.00</b>	<b>0</b>
						0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>D - Item #4 - T4-8 BHS Headhouse Oversized</b>		<b>5,000</b>	<b>GSF</b>		
<b>A10 - FOUNDATIONS</b>					
<b>A1010 - Standard Foundations</b>					
		-	-	-	0
		-	-	-	0
		<b>A1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1020 - Special Foundations</b>					
		-	-	-	0
		-	-	-	0
		<b>A1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1030 - Slab on Grade</b>					
		-	-	-	0
		-	-	-	0
		<b>A1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A20 - BASEMENT CONSTRUCTION</b>					
<b>A2010 - Basement Excavation</b>					
		-	-	-	0
		-	-	-	0
		<b>A2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A2020 - Basement Walls</b>					
		-	-	-	0
		-	-	-	0
		<b>A2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B10 - SUPERSTRUCTURE</b>					
<b>B1010 - Floor Construction</b>					
Pads & Curbs			LSUM		0
Miscellaneous Metals @ .45#/SF		1	TONS	18,000.00	20,250
Painting of Misc Metals			TONS		0
Winter Protection			LSUM		0
Hoisting			LSUM		0
BHS Dog House		1	LSUM	100,000.00	100,000
		-	-	-	0
		<b>B1010 Subtotal</b>		<b>24.05</b>	<b>120,250</b>
<b>B1020 - Roof Construction</b>					
		-	-	-	0
		-	-	-	0
		<b>B1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B20 - EXTERIOR CLOSURE</b>					
<b>B2010 - Exterior Walls</b>					
		-	-	-	0
		-	-	-	0
		<b>B2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2020 - Exterior Windows</b>					
		-	-	-	0
		-	-	-	0
		<b>B2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2030 - Exterior Doors</b>					
		-	-	-	0
		-	-	-	0
		<b>B2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B30 - ROOFING</b>					
<b>B3010 - Roof Coverings</b>					
		-	-	-	0
		-	-	-	0
		<b>B3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>					
<b>C1010 - Partitions</b>					
Walls & Enclosure		1	LSUM	45,000.00	45,000
		-	-	-	0
		<b>C1010 Subtotal</b>		<b>9.00</b>	<b>45,000</b>
<b>C1020 - Interior Doors</b>					
		-	-	-	0
		-	-	-	0
		<b>C1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1030 - Specialties</b>					
		-	-	-	0
		-	-	-	0
		<b>C1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C20 - STAIRS</b>					
<b>C2010 - Stair Construction</b>					

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>D - Item #4 - T4-8 BHS Headhouse Oversized</b>		<b>5,000</b>	<b>GSF</b>		
		-	-	-	0
		-	-	-	0
		<b>C2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C2020 - Stair Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C30 - INTERIOR FINISHES</b>					
<b>C3010 - Wall Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3020 - Floor Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3030 - Ceiling Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>					
<b>D1010 - Elevators &amp; Lifts</b>					
		-	-	-	0
		-	-	-	0
		<b>D1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>					
		-	-	-	0
		-	-	-	0
		<b>D1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>					
<b>Baggage Handling System (BHS)</b>					0
Design - Build BHS Contractor/Designer Review	NP	216,350	%K	0.0258	5,591
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	NP	5,000	SQFT	92.00	460,000
BHS Demo & Interm Operations	NP	1	SUB	9,350.00	9,350
BHS Relocation for Construction T4-8 (5)	NP	1	SUB	1,345,830.00	1,345,830
BHS Oversized Baggage w/ Tunnel T4-8 (4)	NP	1	SUB	20,000.00	w/ Sec J
AA Specific Requirements	NP	1	LSUM	35,000.00	35,000
Bag Portering	NP	216,350.00	LSUM	0.018750	4,057
Engineering & Undefined BHS	NP	1	SUB	10,817.50	10,818
		-	-	-	0
		-	-	-	0
		<b>D1090 Subtotal</b>		<b>374.13</b>	<b>1,870,645</b>
<b>D20 - PLUMBING</b>					
<b>D2010 - Plumbing Fixtures</b>					
		-	-	-	0
		-	-	-	0
		<b>D2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2020 - Domestic Water Distribution</b>					
		-	-	-	0
		-	-	-	0
		<b>D2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>					
		-	-	-	0
		-	-	-	0
		<b>D2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>					
		-	-	-	0
		-	-	-	0
		<b>D2040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>					
		-	-	-	0
		-	-	-	0
		<b>D2090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>					
<b>D3010 - Energy Supply</b>					
		-	-	-	0
		-	-	-	0
		<b>D3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3020 - Heat Generating Systems</b>					
		-	-	-	0



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL	
<b>D - Item #4 - T4-8 BHS Headhouse Oversized</b>		<b>5,000 GSF</b>	<b>)</b>			
		-	-	-	0	
		<b>D3020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3030 - Cooling Generating Systems</b>		-	-	-	0	
		-	-	-	0	
		<b>D3030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3040 - Distribution Systems</b>		-	-	-	0	
		-	-	-	0	
		<b>D3040 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3050 - Terminal &amp; Package Units</b>		-	-	-	0	
		-	-	-	0	
		<b>D3050 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3060 - Controls &amp; Instrumentation</b>		-	-	-	0	
		-	-	-	0	
		<b>D3060 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3070 - Systems Testing &amp; Balancing</b>		-	-	-	0	
		-	-	-	0	
		<b>D3070 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D3090 - Other HVAC Systems &amp; Equipment</b>		-	-	-	0	
		-	-	-	0	
		<b>D3090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D40 - FIRE PROTECTION</b>						
<b>D4010 - Sprinklers</b>		-	-	-	0	
		-	-	-	0	
		<b>D4010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D4020 - Standpipe Systems</b>		-	-	-	0	
		-	-	-	0	
		<b>D4020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D4030 - Fire Protection Specialties</b>		-	-	-	0	
		-	-	-	0	
		<b>D4030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D4090 - Other Fire Protection Systems</b>		-	-	-	0	
		-	-	-	0	
		<b>D4090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D50 - ELECTRICAL</b>						
<b>D5010 - Electrical Service &amp; Distribution</b>		-	-	-	0	
		-	-	-	0	
		<b>D5010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D5020 - Lighting &amp; Branch Wiring</b>		-	-	-	0	
		-	-	-	0	
		<b>D5020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D5030 - Communications &amp; Security</b>		-	-	-	0	
		-	-	-	0	
		<b>D5030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D5090 - Other Electrical Services</b>		-	-	-	0	
		-	-	-	0	
		<b>D5090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E10 - EQUIPMENT</b>						
<b>E1010 - Commercial Equipment</b>						
Code Correction Allowance	NP	0	SQFT	2.00	0	
Conflict / Phasing MEP Reroute	NP	5,000	SQFT	0.00	0	
Adj To Design- New/Exist MEPF to Structure and Architecture	NP	5,000	SQFT	17.50	87,500	
Escorting and Firewatch Personnel	NP	1	LSUM	7,006.50	7,007	
Airport Escort Vehicles & Operators	NP	3	MO	3,124.80	9,374	
Escalation		0	PERC	2,291,932.89	68,758	
		-	-	-	0	

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>D - Item #4 - T4-8 BHS Headhouse Oversized</b>		<b>5,000 GSF</b>	)		
		<b>E1010 Subtotal</b>		<b>34.53</b>	<b>172,639</b>
<b>E1020 - Institutional Equipment</b>		-	-	-	0
		-	-	-	0
		<b>E1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1030 - Vehicular Equipment</b>		-	-	-	0
		-	-	-	0
		<b>E1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1090 - Other Equipment</b>		-	-	-	0
		-	-	-	0
		<b>E1090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E20 - FURNISHINGS</b>					
<b>E2010 - Fixed Furnishings</b>		-	-	-	0
		-	-	-	0
		<b>E2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>		-	-	-	0
		-	-	-	0
		<b>E2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>					
<b>F1010 - Special Structures</b>		-	-	-	0
		-	-	-	0
		<b>F1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1020 - Integrated Construction</b>		-	-	-	0
		-	-	-	0
		<b>F1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>		-	-	-	0
		-	-	-	0
		<b>F1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>		-	-	-	0
		-	-	-	0
		<b>F1040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>		-	-	-	0
		-	-	-	0
		<b>F1050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>					
<b>F2010 - Building Elements Demolition</b>					
<b>Temp Partitions For Phasing and Operations</b>					0
8' Painted Wood Barricade	NP	0	LNFT	290.00	0
10' Painted Wood Barricade	NP	0	LNFT	326.00	0
13' Painted Wood Barricade	NP	0	LNFT	386.00	0
Gates & Doors	NP	0	LSUM	67,800.00	0
8' Drywall barricade	NP	0	LNFT	105.00	0
12' Drywall Barricade	NP	333	LNFT	168.00	56,000
15' Drywall Barricade	NP	0	LNFT	178.00	0
18' Drywall Barricade	NP	0	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	NP	0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	NP	0	LNFT	260.50	0
Arrivals Barricade Phasing	NP	0	PHASE	67,200.00	0
FAA Barricade & Relocation	NP	0	LNFT	75.00	0
South Wall Debris Netting	NP	0	LSUM	75,000.00	0
Temporary Blastwall	NP	0	LNFT	1,333.33	0
Working Platform (inc temp MEPF, Dust & Roofing)	NP	0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	NP	12.9900	WEEKS	850.00	11,042
Project Safety Maintenance & Survey	NP	3	MONTHS	2,960.00	8,880
	NP				0
<b>Daily Cleanup Crew / General Labor</b>	NP				0
1 Laborers Day Shift or 1 Night Shift	NP	3	MONTH	21,168.00	63,504
HP Craft Parking - Cleanup Labor	NP	3	MONTH	630.00	1,890
HP Craft Parking - 5 each Gen Labor	NP	3	MONTH	3,150.00	9,450
Street Sweeping - 4 Hr Min/Trip (5/PLB)	NP	0	TRIP	865.00	0
Dumpster Dump Fees	NP	1.2990	DUMP	800.00	1,039



**T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail**

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>D - Item #4 - T4-8 BHS Headhouse Oversized</b>		<b>5,000 GSF )</b>			
Recycling Dumpster Fees	NP	0.0650	DUMP	800.00	52
Recycling Dumpster Fees - FFE	NP	0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	NP	0	OPENING	350.00	0
Pest Control	NP	3	MONTH	100.00	300
Final Clean-Up - Bldg	NP	0	SQFT	1.50	0
Final Clean-Up - Exterior Skin New Construction	NP	0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	NP	0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	NP	0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	NP	0	EACH	15,000.00	0
		-	-	-	0
		-	-	-	0
		<b>F2010 Subtotal</b>		<b>30.43</b>	<b>152,157</b>
<b>F2020 - Hazardous Components Abatement</b>					
None Included			LSUM		w/ Demo
		-	-	-	0
		<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>E - Item #5 - T4-8 Headhouse BHS</b>			<b>( 37,333 GSF )</b>			
<b>A10 - FOUNDATIONS</b>						
<b>A1010 - Standard Foundations</b>						
			-			0
			-			0
			<b>A1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1020 - Special Foundations</b>						
			-			0
			-			0
			<b>A1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1030 - Slab on Grade</b>						
			-			0
			-			0
			<b>A1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A20 - BASEMENT CONSTRUCTION</b>						
<b>A2010 - Basement Excavation</b>						
			-			0
			-			0
			<b>A2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A2020 - Basement Walls</b>						
			-			0
			-			0
			<b>A2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B10 - SUPERSTRUCTURE</b>						
<b>B1010 - Floor Construction</b>						
Pads & Curbs				LSUM		0
Miscellaneous Metals @ .45#/SF - BHS Temp Supports	5.50		8	TONS	18,000.00	151,200
Painting of Misc Metals				TONS		0
Winter Protection				LSUM		0
Hoisting				LSUM		0
						0
Structural Slab	3.00	13				0
Roughen Slab Edge 1/4 "	3.00	13	524	LNFT	87.60	45,902
Dowels @ 1.5' & 2' embedment	3.00	13	1,797	Dowels	78.00	140,133
Beam Dowels	3.00	13	1	ALLW	3,500.00	3,500
Str Columns	3.00	13	21	CYD	1,800.00	37,800
Str Beam	3.00	13	14	CYD	2,600.00	36,400
Str Slab	3.00	13	97	CYD	1,800.00	174,600
Resteel	3.00	13	44,663	LBS	2.95	131,756
Design Development 90% to 100%	3.00	13	690,331	LSUM	0.05	34,517
						0
Modify Slab Edges	3.00	14	1	LSUM	50,000.00	50,000
						0
Shearwall Modifications Arrivals	3.00	15	1	LSUM	50,000.00	50,000
						0
			-			0
			<b>B1010 Subtotal</b>		<b>22.92</b>	<b>855,807</b>
<b>B1020 - Roof Construction</b>						
			-			0
			-			0
			<b>B1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B20 - EXTERIOR CLOSURE</b>						
<b>B2010 - Exterior Walls</b>						
						0
Demo	2.41	16	116	SQF	30.00	3,480
Scaffolding	3.00	16	1	LSUM	5,000.00	5,000
Existing Slab Demo	2.41	16	72	SQF	120.00	8,640
Slab Infill	3.00	16	109	SQF	1,200.00	130,800
Demo existing dog house	2.41	16	192	SQF	60.00	11,520
Misc Metal	5.50	16				0
Edge angles - stiffners	5.50	16	2	TON	18,000.00	32,580
Dog house		16				0
Starter curb	3.00	16	82	LF	40.00	3,280
Stud walls	9.22	16	82	LF	250.00	20,500
Metal decking	5.12	16	299	SQF	30.00	8,970
Waterproofing	7.17	16	299	SQF	90.00	26,910
Flashing and gutters	7.92	16	1	LSUM	5,000.00	5,000
Rolling door assembly		16				w/ BHS
Drop Soffit		16				0
Fire rated soffit	9.22	16	299	SQF	180.00	53,820
Fire caulking and flashing	7.92	16	1	LSUM	3,500.00	3,500
						0
Demo	2.41	20	58	SQF	30.00	1,740
Scaffolding	3.00	20	1	LSUM	2,500.00	2,500
Existing Slab Demo	2.41	20	36	SQF	120.00	4,320
Slab Infill	3.00	20	55	SQF	1,200.00	65,400



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>E - Item #5 - T4-8 Headhouse BHS</b>			<b>( 37,333 GSF )</b>			
			<b>C3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>						
<b>D1010 - Elevators &amp; Lifts</b>						
						0
			-	-	-	0
			<b>D1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>						
						0
			-	-	-	0
			<b>D1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>						
<b>Baggage Handling System (BHS)</b>						0
Design - Build BHS Contractor/Designer Review	34.01		6,618,000	%K	0.0258	171,033
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPP/Str	60.27		37,333	SQFT	31	1,144,889
BHS Demo & Intern Operations	34.01		1	SUB	574,300.00	574,300
Inbound Bag Claims	34.02		1	SUB	4,866,716.00	4,866,716
Bag Claim Devices - Salvage Existing for Reuse	34.01		2	EACH	800,000.00	w/ above
Motor Control Allocation Inbound Bag Claims	34.02		1	SUB	1,000,000.00	1,000,000
AA Specific Requirements	34.01		1	LSUM	50,000.00	50,000
Bag Portering	60.6		6,618,000	LSUM	0.02	132,360
Engineering & Undefined BHS	34.01		1	SUB	330,900.00	330,900
						0
Headhouse - ELE - Double Bag Lift	34.01		0	Stops	225,000.00	0
			-	-	-	0
			<b>D1090 Subtotal</b>		<b>221.52</b>	<b>8,270,198</b>
<b>D20 - PLUMBING</b>						
<b>D2010 - Plumbing Fixtures</b>						
			-	-	-	0
			-	-	-	0
			<b>D2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2020 - Domestic Water Distribution</b>						
						0
			-	-	-	0
			<b>D2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>						
						0
			-	-	-	0
			<b>D2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>						
						0
			-	-	-	0
			<b>D2040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>						
						0
			-	-	-	0
			<b>D2090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>						
<b>D3010 - Energy Supply</b>						
						0
			-	-	-	0
			<b>D3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3020 - Heat Generating Systems</b>						
						0
			-	-	-	0
			<b>D3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3030 - Cooling Generating Systems</b>						
						0
			-	-	-	0
			<b>D3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3040 - Distribution Systems</b>						
						0
			-	-	-	0
			<b>D3040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3050 - Terminal &amp; Package Units</b>						
						0
			-	-	-	0
			<b>D3050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3060 - Controls &amp; Instrumentation</b>						
						0
			-	-	-	0
			<b>D3060 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3070 - Systems Testing &amp; Balancing</b>						
						0
			-	-	-	0
			<b>D3070 Subtotal</b>		<b>0.00</b>	<b>0</b>



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>E - Item #5 - T4-8 Headhouse BHS</b>			<b>( 37,333 GSF )</b>			
			<b>E1090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E20 - FURNISHINGS</b>						
<b>E2010 - Fixed Furnishings</b>						
			-	-	-	0
			-	-	-	0
			<b>E2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>						
			-	-	-	0
			-	-	-	0
			<b>E2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>						
<b>F1010 - Special Structures</b>						
Code Correction Allowance	60.1		0	SQFT	2.00	0
Conflict / Phasing MEP Reroute	60.2		37,333	SQFT	0.00	0
Adj To Design- New/Exist MEPF to Structure and Architecture	60.25		37,333	SQFT	17.50	653,333
Escorting and Firewatch Personnel	60.4		1	LSUM	84,078.00	84,078
Airport Escort Vehicles & Operators	60.4		36	MO	3,124.80	112,493
Escalation	60.85	100	0	PERC	13,078,444.56	392,353
			-	-	-	0
			<b>F1010 Subtotal</b>		<b>33.27</b>	<b>1,242,257</b>
<b>F1020 - Integrated Construction</b>						
			-	-	-	0
			-	-	-	0
			<b>F1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>F1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>						
			-	-	-	0
			-	-	-	0
			<b>F1040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>						
			-	-	-	0
			-	-	-	0
			<b>F1050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>						
<b>F2010 - Building Elements Demolition</b>						
<b>Temp Partitions For Phasing and Operations</b>						0
8' Painted Wood Barricade	60.7		0	LNFT	290.00	0
10' Painted Wood Barricade	60.7		0	LNFT	326.00	0
13' Painted Wood Barricade	60.7		0	LNFT	386.00	0
Gates & Doors	60.7		0	LSUM	67,800.00	0
8' Drywall barricade	60.7		0	LNFT	105.00	0
12' Drywall Barricade	60.7		666.667	LNFT	168.00	112,000
15' Drywall Barricade	60.7		0	LNFT	178.00	0
18' Drywall Barricade	60.7		0	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.7		0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.7		0	LNFT	260.50	0
Arrivals Barricade Phasing	60.7		0	PHASE	67,200.00	0
FAA Barricade & Relocation	60.7		0	LNFT	75.00	0
South Wall Debris Netting	60.7		0	LSUM	75,000.00	0
Temporary Blastwall	60.7		0	LNFT	1,333.33	0
Working Platform (inc temp MEPF, Dust & Roofing)	60.7		0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	60.7		155.880	WEEKS	850.00	132,498
Project Safety Maintenance & Survey	60.75		36	MONTHS	2,960.00	106,560
						0
Demo - Save Existing Embedded Resteel	2.41	13	1,440	SQFT	60.00	86,400
Shore Existing Slab to Remain	3.00	13	2,256	SQFT	30.00	67,680
						0
						0
<b>Daily Cleanup Crew / General Labor</b>						
1 Laborers Day Shift or 1 Night Shift	60.8		36.00	MONTH	21,168.00	762,048
HP Craft Parking - Cleanup Labor	60.8		36	MONTH	630.00	22,680
HP Craft Parking - 5 each Gen Labor	60.8		36	MONTH	3,150.00	113,400
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.8		0	TRIP	865.00	0
Dumpster Dump Fees	60.8		15.5880	DUMP	800.00	12,470
Recycling Dumpster Fees	60.8		0.77940	DUMP	800.00	624
Recycling Dumpster Fees - FFE	60.8		0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	60.8		0	PENING	350.00	0
Pest Control	60.8		36	MONTH	100.00	3,600
Final Clean-Up - Bldg	60.8		0	SQFT	1.50	0
Final Clean-Up - Exterior Skin New Construction	60.8		0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.8		0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.8		0	WEEK	1,350.00	0

**T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail**

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>E - Item #5 - T4-8 Headhouse BHS</b>			<b>( 37,333 GSF )</b>			
Rain Event Cleanup and Remediation	60.8		0	EACH	15,000.00	0
			-	-	-	0
						0
			<b>F2010 Subtotal</b>		<b>38.03</b>	<b>1,419,960</b>
<b>F2020 - Hazardous Components Abatement</b>						
None Included				LSUM		w/ Demo
			-	-	-	0
			<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL	
<b>F - Item #6 - T4 Inbound Baggage Claim</b>		( 3,500 GSF )				
<b>A10 - FOUNDATIONS</b>						
<b>A1010 - Standard Foundations</b>						
		-	-	-	0	
		-	-	-	0	
		<b>A1010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>A1020 - Special Foundations</b>						
		-	-	-	0	
		-	-	-	0	
		<b>A1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>A1030 - Slab on Grade</b>						
		-	-	-	0	
		-	-	-	0	
		<b>A1030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>A20 - BASEMENT CONSTRUCTION</b>						
<b>A2010 - Basement Excavation</b>						
		-	-	-	0	
		-	-	-	0	
		<b>A2010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>A2020 - Basement Walls</b>						
		-	-	-	0	
		-	-	-	0	
		<b>A2020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>B10 - SUPERSTRUCTURE</b>						
<b>B1010 - Floor Construction</b>						
Pads & Curbs			LSUM		0	
Miscellaneous Metals @ .45#/SF		1	TONS	18,000.00	14,175	
Painting of Misc Metals			TONS		0	
Winter Protection			LSUM		0	
Hoisting			LSUM		0	
					0	
BHS Dog House		0	LSUM	50,000.00	0	
		-	-	-	0	
		<b>B1010 Subtotal</b>			<b>4.05</b>	<b>14,175</b>
<b>B1020 - Roof Construction</b>						
		-	-	-	0	
		-	-	-	0	
		<b>B1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>B20 - EXTERIOR CLOSURE</b>						
<b>B2010 - Exterior Walls</b>						
		-	-	-	0	
		-	-	-	0	
		<b>B2010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>B2020 - Exterior Windows</b>						
		-	-	-	0	
		-	-	-	0	
		<b>B2020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>B2030 - Exterior Doors</b>						
		-	-	-	0	
		-	-	-	0	
		<b>B2030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>B30 - ROOFING</b>						
<b>B3010 - Roof Coverings</b>						
		-	-	-	0	
		-	-	-	0	
		<b>B3010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>						
<b>C1010 - Partitions</b>						
Walls & Ceilings		1	LSUM	100,000.00	100,000	
		-	-	-	0	
		-	-	-	0	
		<b>C1010 Subtotal</b>			<b>28.57</b>	<b>100,000</b>
<b>C1020 - Interior Doors</b>						
		-	-	-	0	
		-	-	-	0	
		<b>C1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C1030 - Specialties</b>						
		-	-	-	0	
		-	-	-	0	
		<b>C1030 Subtotal</b>			<b>0.00</b>	<b>0</b>



**T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail**

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>F - Item #6 - T4 Inbound Baggage Claim</b>		<b>( 3,500 GSF )</b>			
<b>C20 - STAIRS</b>					
<b>C2010 - Stair Construction</b>					
		-	-	-	0
		-	-	-	0
		<b>C2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C2020 - Stair Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C30 - INTERIOR FINISHES</b>					
<b>C3010 - Wall Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3020 - Floor Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3030 - Ceiling Finishes</b>					
		-	-	-	0
		-	-	-	0
		<b>C3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>					
<b>D1010 - Elevators &amp; Lifts</b>					
		-	-	-	0
		-	-	-	0
		<b>D1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>					
		-	-	-	0
		-	-	-	0
		<b>D1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>					
<b>Baggage Handling System (BHS)</b>					
Design - Build BHS Contractor/Designer Review	NP	2,700,000	%K	0.0258	69,778
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	NP	3,500	SQFT	31	107,333
BHS Demo & Interm Operations	NP	1	SUB	121,950.00	121,950
Item #6 T4 Inbound	NP	1	SUB	5,020,262.00	5,020,262
AA Specific Requirements	NP	1	LSUM	50,000.00	50,000
Bag Portering	NP	2,700,000	LSUM	0.02	50,625
Engineering & Undefined BHS	NP	1	SUB	50,000.00	50,000
		-	-	-	0
		<b>D1090 Subtotal</b>		<b>1,562.84</b>	<b>5,469,948</b>
<b>D20 - PLUMBING</b>					
<b>D2010 - Plumbing Fixtures</b>					
		-	-	-	0
		-	-	-	0
		<b>D2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2020 - Domestic Water Distribution</b>					
		-	-	-	0
		-	-	-	0
		<b>D2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>					
		-	-	-	0
		-	-	-	0
		<b>D2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>					
		-	-	-	0
		-	-	-	0
		<b>D2040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>					
		-	-	-	0
		-	-	-	0
		<b>D2090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>					
<b>D3010 - Energy Supply</b>					
		-	-	-	0
		-	-	-	0
		<b>D3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3020 - Heat Generating Systems</b>					
		-	-	-	0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>F - Item #6 - T4 Inbound Baggage Claim</b>		<b>( 3,500 GSF )</b>			
		-	-	-	0
					0
<b>D3020 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D3030 - Cooling Generating Systems</b>					
		-	-	-	0
		-	-	-	0
<b>D3030 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D3040 - Distribution Systems</b>					
		-	-	-	0
		-	-	-	0
<b>D3040 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D3050 - Terminal &amp; Package Units</b>					
		-	-	-	0
		-	-	-	0
<b>D3050 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D3060 - Controls &amp; Instrumentation</b>					
		-	-	-	0
		-	-	-	0
<b>D3060 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D3070 - Systems Testing &amp; Balancing</b>					
		-	-	-	0
		-	-	-	0
<b>D3070 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D3090 - Other HVAC Systems &amp; Equipment</b>					
		-	-	-	0
		-	-	-	0
<b>D3090 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D40 - FIRE PROTECTION</b>					
<b>D4010 - Sprinklers</b>					
		-	-	-	0
		-	-	-	0
<b>D4010 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D4020 - Standpipe Systems</b>					
		-	-	-	0
		-	-	-	0
<b>D4020 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D4030 - Fire Protection Specialties</b>					
		-	-	-	0
		-	-	-	0
<b>D4030 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D4090 - Other Fire Protection Systems</b>					
		-	-	-	0
		-	-	-	0
<b>D4090 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D50 - ELECTRICAL</b>					
<b>D5010 - Electrical Service &amp; Distribution</b>					
		-	-	-	0
		-	-	-	0
<b>D5010 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D5020 - Lighting &amp; Branch Wiring</b>					
		-	-	-	0
		-	-	-	0
<b>D5020 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D5030 - Communications &amp; Security</b>					
		-	-	-	0
		-	-	-	0
<b>D5030 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>D5090 - Other Electrical Services</b>					
		-	-	-	0
		-	-	-	0
<b>D5090 Subtotal</b>				<b>0.00</b>	<b>0</b>
<b>E10 - EQUIPMENT</b>					
<b>E1010 - Commercial Equipment</b>					
Code Correction Allowance	NP	0	SQFT	2.00	0
Conflict / Phasing MEP Reroute	NP	3,500	SQFT	0.00	0
Adj To Design- New/Exist MEPF to Structure and Architecture	NP	3,500	SQFT	17.50	61,250
Escorting and Firewatch Personnel	NP	1	LSUM	9,342.00	9,342
Airport Escort Vehicles & Operators	NP	4	MO	3,124.80	12,499
Escalation		0	PERC	5,851,423.16	175,543
		-	-	-	0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL	
<b>F - Item #6 - T4 Inbound Baggage Claim</b>		<b>( 3,500 GSF )</b>				
		<b>E1010 Subtotal</b>			<b>73.90</b>	<b>258,634</b>
<b>E1020 - Institutional Equipment</b>		-	-	-	0	
		-	-	-	0	
		<b>E1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E1030 - Vehicular Equipment</b>		-	-	-	0	
		-	-	-	0	
		<b>E1030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E1090 - Other Equipment</b>		-	-	-	0	
		-	-	-	0	
		<b>E1090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E20 - FURNISHINGS</b>						
<b>E2010 - Fixed Furnishings</b>		-	-	-	0	
		-	-	-	0	
		<b>E2010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>		-	-	-	0	
		-	-	-	0	
		<b>E2020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>						
<b>F1010 - Special Structures</b>		-	-	-	0	
		-	-	-	0	
		<b>F1010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>F1020 - Integrated Construction</b>		-	-	-	0	
		-	-	-	0	
		<b>F1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>		-	-	-	0	
		-	-	-	0	
		<b>F1030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>		-	-	-	0	
		-	-	-	0	
		<b>F1040 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>		-	-	-	0	
		-	-	-	0	
		<b>F1050 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>						
<b>F2010 - Building Elements Demolition</b>						
<b>Temp Partitions For Phasing and Operations</b>					0	
8' Painted Wood Barricade	NP	0	LNFT	290.00	0	
10' Painted Wood Barricade	NP	0	LNFT	326.00	0	
13' Painted Wood Barricade	NP	0	LNFT	386.00	0	
Gates & Doors	NP	0	LSUM	67,800.00	0	
8' Drywall barricade	NP	0	LNFT	105.00	0	
12' Drywall Barricade	NP	333	LNFT	168.00	56,000	
15' Drywall Barricade	NP	0	LNFT	178.00	0	
18' Drywall Barricade	NP	0	LNFT	180.00	0	
25' Drywall Barricade - Drywall 12' Visqueen 13'	NP	0	LNFT	190.50	0	
45' Drywall Barricade - Drywall 12' Visqueen 33'	NP	0	LNFT	260.50	0	
Arrivals Barricade Phasing	NP	0	PHASE	67,200.00	0	
FAA Barricade & Relocation	NP	0	LNFT	75.00	0	
South Wall Debris Netting	NP	0	LSUM	75,000.00	0	
Temporary Blastwall	NP	0	LNFT	1,333.33	0	
Working Platform (inc temp MEPF, Dust & Roofing)	NP	0	SQFT	73.50	0	
Maintain Barricades Per LAWA Direction	NP	17	WEEKS	850.00	14,722	
Project Safety Maintenance & Survey	NP	4	WEEKS	2,960.00	11,840	
	NP				0	
<b>Daily Cleanup Crew / General Labor</b>	NP				0	
1 Laborers Day Shift or 1 Night Shift	NP	4	MONTH	21,168.00	84,672	
HP Craft Parking - Cleanup Labor	NP	4	MONTH	630.00	2,520	
HP Craft Parking - 5 each Gen Labor	NP	4	MONTH	3,150.00	12,600	
Street Sweeping - 4 Hr Min/Trip (5/PLB)	NP	0	TRIP	865.00	0	
Dumpster Dump Fees	NP	2	DUMP	800.00	1,386	

**T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail**

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	USER 1	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>F - Item #6 - T4 Inbound Baggage Claim</b>		<b>( 3,500 GSF )</b>			
Recycling Dumpster Fees	NP	0	DUMP	800.00	69
Recycling Dumpster Fees - FFE	NP	0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	NP	0	OPENING	350.00	0
Pest Control	NP	4	MONTH	100.00	400
Final Clean-Up - Bldg	NP	0	SQFT	1.50	0
Final Clean-Up - Exterior Skin New Construction	NP	0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	NP	0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	NP	0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	NP	0	EACH	15,000.00	0
		-	-	-	0
		<b>F2010 Subtotal</b>		<b>52.63</b>	<b>184,209</b>
<b>F2020 - Hazardous Components Abatement</b>					
None Included			LSUM		w/ Demo
		-	-	-	0
		<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
					<b>0</b>

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>G - Item #7 -T4/T5 4 Conveyor BHS Transfers</b>			( 17,886 GSF )			
<b>A10 - FOUNDATIONS</b>						
<b>A1010 - Standard Foundations</b>						
			-	-	-	0
			-	-	-	0
<b>A1010 Subtotal</b>						<b>0.00</b>
<b>A1020 - Special Foundations</b>						
			-	-	-	0
			-	-	-	0
<b>A1020 Subtotal</b>						<b>0.00</b>
<b>A1030 - Slab on Grade</b>						
			-	-	-	0
			-	-	-	0
<b>A1030 Subtotal</b>						<b>0.00</b>
<b>A20 - BASEMENT CONSTRUCTION</b>						
<b>A2010 - Basement Excavation</b>						
			-	-	-	0
			-	-	-	0
<b>A2010 Subtotal</b>						<b>0.00</b>
<b>A2020 - Basement Walls</b>						
			-	-	-	0
			-	-	-	0
<b>A2020 Subtotal</b>						<b>0.00</b>
<b>B10 - SUPERSTRUCTURE</b>						
<b>B1010 - Floor Construction</b>						
Pads & Curbs				LSUM		0
Miscellaneous Metals @ .45#/SF - BHS Temp Supports	5.50		4	TONS	18,000.00	72,438
Painting of Misc Metals				TONS		0
Winter Protection				LSUM		0
Hoisting				LSUM		0
			-	-	-	0
<b>B1010 Subtotal</b>						<b>4.05 72,438</b>
<b>B1020 - Roof Construction</b>						
Foundations (not shown 3EA)						0
BHS Canopy spread footing (4'x4')	3.00	22	18	CUYD	810.00	14,580
BHS canopy columns	3.00	22	12	CUYD	1,800.00	21,600
Roof Construction	5.12	22				0
Demo existing building exterior for structural connection	2.41	22	1	LSUM	200,000.00	200,000
Structural - Str System w/ Canopy & Gutter (30#/sqf)	5.12	22	8	TONS	18,000.00	146,700
Existing structural retrofit	5.12	22	1	LSUM	300,000.00	300,000
Metal Roofing	5.12	22	652	SQFT	100.00	65,200
Plumbing	22.00	22				0
Tie in Gutter Drain	22.00	22	2	LSUM	20,000.00	40,000
Exterior patch back	9.22	22	1	LSUM	100,000.00	100,000
			-	-	-	0
			-	-	-	0
			-	-	-	0
<b>B1020 Subtotal</b>						<b>49.65 888,080</b>
<b>B20 - EXTERIOR CLOSURE</b>						
<b>B2010 - Exterior Walls</b>						
			-	-	-	0
			-	-	-	0
<b>B2010 Subtotal</b>						<b>0.00</b>
<b>B2020 - Exterior Windows</b>						
			-	-	-	0
			-	-	-	0
<b>B2020 Subtotal</b>						<b>0.00</b>
<b>B2030 - Exterior Doors</b>						
			-	-	-	0
			-	-	-	0
<b>B2030 Subtotal</b>						<b>0.00</b>
<b>B30 - ROOFING</b>						
<b>B3010 - Roof Coverings</b>						
			-	-	-	0
			-	-	-	0
<b>B3010 Subtotal</b>						<b>0.00</b>
<b>C10 - INTERIOR CONSTRUCTION</b>						
<b>C1010 - Partitions</b>						
Rebuild to Connection At T5	9.21		1	LSUM	250,000.00	250,000
			-	-	-	0
<b>C1010 Subtotal</b>						<b>13.98 250,000</b>
<b>C1020 - Interior Doors</b>						

**T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail**

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>G - Item #7 -T4/T5 4 Conveyor BHS Transfers</b>			<b>( 17,886 GSF )</b>			
						0
			-	-	-	0
			<b>C1020 Subtotal</b>			<b>0.00</b>
<b>C1030 - Specialties</b>						0
			-	-	-	0
			<b>C1030 Subtotal</b>			<b>0.00</b>
<b>C20 - STAIRS</b>						0
<b>C2010 - Stair Construction</b>						0
			-	-	-	0
			<b>C2010 Subtotal</b>			<b>0.00</b>
<b>C2020 - Stair Finishes</b>						0
			-	-	-	0
			<b>C2020 Subtotal</b>			<b>0.00</b>
<b>C30 - INTERIOR FINISHES</b>						0
<b>C3010 - Wall Finishes</b>						0
			-	-	-	0
			<b>C3010 Subtotal</b>			<b>0.00</b>
<b>C3020 - Floor Finishes</b>						0
			-	-	-	0
			<b>C3020 Subtotal</b>			<b>0.00</b>
<b>C3030 - Ceiling Finishes</b>						0
			-	-	-	0
			<b>C3030 Subtotal</b>			<b>0.00</b>
<b>D10 - CONVEYING</b>						0
<b>D1010 - Elevators &amp; Lifts</b>						0
			-	-	-	0
			<b>D1010 Subtotal</b>			<b>0.00</b>
<b>D1020 - Escalators &amp; Moving Walks</b>						0
			-	-	-	0
			<b>D1020 Subtotal</b>			<b>0.00</b>
<b>D1090 - Other Conveying Systems</b>						0
<b>Baggage Handling System (BHS)</b>						0
Design - Build BHS Contractor/Designer Review	34.01		23,001,000	%K	0.0258	594,429
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	60.27		17,886	SQFT	5	89,430
BHS Demo & Interm Operations @ T5	34.01		1	SUB	57,502.50	w/ below
BHS Transfer Lines	34.02		1	SUB	14,369,743	14,369,743
CBIS/CBRA Coordination W/ T5	34.01		1	LSUM	1,000,000.00	1,000,000
AA Specific Requirements	34.01		1	LSUM	17,500.00	17,500
Bag Portering	60.6		23,001,000	LSUM	0.00187500	43,127
Engineering & Undefined BHS	34.01		1	SUB	1,150,050.00	1,150,050
			-	-	-	0
			<b>D1090 Subtotal</b>			<b>965.24</b>
<b>D20 - PLUMBING</b>						0
<b>D2010 - Plumbing Fixtures</b>						0
			-	-	-	0
			<b>D2010 Subtotal</b>			<b>0.00</b>
<b>D2020 - Domestic Water Distribution</b>						0
			-	-	-	0
			<b>D2020 Subtotal</b>			<b>0.00</b>
<b>D2030 - Sanitary Waste</b>						0
			-	-	-	0
			<b>D2030 Subtotal</b>			<b>0.00</b>
<b>D2040 - Rain Water Drainage</b>						0
			-	-	-	0
			<b>D2040 Subtotal</b>			<b>0.00</b>
<b>D2090 - Other Plumbing Systems</b>						0
			-	-	-	0
			<b>D2090 Subtotal</b>			<b>0.00</b>
<b>D30 - HVAC</b>						0





T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>G - Item #7 -T4/T5 4 Conveyor BHS Transfers</b>			( 17,886 GSF )			
			-	-	-	0
			-	-	-	0
			<b>E1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1030 - Vehicular Equipment</b>						
			-	-	-	0
			-	-	-	0
			<b>E1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1090 - Other Equipment</b>						
			-	-	-	0
			-	-	-	0
			<b>E1090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E20 - FURNISHINGS</b>						
<b>E2010 - Fixed Furnishings</b>						
Fixed Furnishings	6.41			SQFT		0
			-	-	-	0
			<b>E2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>						
			-	-	-	0
			-	-	-	0
			<b>E2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>						
<b>F1010 - Special Structures</b>						
Code Correction Allowance	60.1		17,886	SQFT	0.00	0
Conflict / Phasing MEP Reroute	60.2		17,886	SQFT	0.00	0
Adj To Design- New/Exist MEPF to Structure and Architecture	60.25		17,886	SQFT	92.00	1,645,512
Escorting and Firewatch Personnel	60.4		1	LSUM	51,521.13	51,521
Airport Escort Vehicles & Operators	60.4		22.0600	MO	3,124.80	68,933
Escalation	60.85	100	0	PERC	21,058,129.79	631,744
			-	-	-	0
			<b>F1010 Subtotal</b>		<b>134.06</b>	<b>2,397,710</b>
<b>F1020 - Integrated Construction</b>						
			-	-	-	0
			-	-	-	0
			<b>F1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>F1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>						
			-	-	-	0
			-	-	-	0
<b>F1050 - Special Controls &amp; Instrumentation</b>						
			-	-	-	0
			-	-	-	0
			<b>F1050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>						
<b>F2010 - Building Elements Demolition</b>						
<b>Temp Partitions For Phasing and Operations</b>						
8' Painted Wood Barricade	60.7		0	LNFT	290.00	0
10' Painted Wood Barricade	60.7		0	LNFT	326.00	0
13' Painted Wood Barricade	60.7		0	LNFT	386.00	0
Gates & Doors	60.7		0	LSUM	67,800.00	0
8' Drywall barricade	60.7		0	LNFT	105.00	0
12' Drywall Barricade	60.7		0	LNFT	168.00	0
15' Drywall Barricade	60.7		0	LNFT	178.00	0
18' Drywall Barricade	60.7		0	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.7		0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.7		0	LNFT	260.50	0
Arrivals Barricade Phasing	60.7		0	PHASE	67,200.00	0
FAA Barricade & Relocation	60.7		1,000	LNFT	75.00	75,000
South Wall Debris Netting	60.7		0	LSUM	75,000.00	0
Temporary Blastwall	60.7		0	LNFT	1,333.33	0
Working Platform (inc temp MEPF, Dust & Roofing)	60.7		0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	60.7		95.520	WEEKS	850.00	81,192
Project Safety Maintenance & Survey	60.75		22.06	WEEKS	2,960.00	65,298
						0
<b>Daily Cleanup Crew / General Labor</b>						
1 Laborers Day Shift or 1 Night Shift	60.8		22.0600	MONTH	21,168.00	466,966
HP Craft Parking - Cleanup Labor	60.8		22	MONTH	630.00	13,898
HP Craft Parking - 5 each Gen Labor	60.8		22	MONTH	3,150.00	69,489
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.8		47.7599	TRIP	865.00	41,312
Dumpster Dump Fees	60.8		2.38800	DUMP	800.00	1,910
Recycling Dumpster Fees	60.8		0.11940	DUMP	800.00	96

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>G - Item #7 -T4/T5 4 Conveyor BHS Transfers</b>			<b>( 17,886 GSF )</b>			
Recycling Dumpster Fees - FFE	60.8		0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	60.8		0	OPENING	350.00	0
Pest Control	60.8		22	MONTH	100.00	2,206
Final Clean-Up - Bldg	60.8		0	SQFT	1.50	0
Final Clean-Up - Exterior Skin New Construction	60.8		0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.8		0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.8		0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	60.8		0	EACH	15,000.00	0
						0
			-		-	0
			<b>F2010 Subtotal</b>		<b>45.70</b>	<b>817,367</b>
<b>F2020 - Hazardous Components Abatement</b>						
None Included				LSUM		w/ Demo
			-		-	0
			<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
						0



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>H - Item #8 - Bag Makeup 16 Piers</b>			( 52,500 GSF )			
			<b>B2010 Subtotal</b>		<b>0.38</b>	<b>20,000</b>
<b>B2020 - Exterior Windows</b>						0
						0
			<b>B2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2030 - Exterior Doors</b>						0
						0
			<b>B2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B30 - ROOFING</b>						
<b>B3010 - Roof Coverings</b>						0
						0
			<b>B3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>						
<b>C1010 - Partitions</b>						0
						0
			<b>C1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1020 - Interior Doors</b>						0
						0
			<b>C1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1030 - Specialties</b>						0
						0
			<b>C1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C20 - STAIRS</b>						
<b>C2010 - Stair Construction</b>						0
						0
			<b>C2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C2020 - Stair Finishes</b>						0
						0
			<b>C2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C30 - INTERIOR FINISHES</b>						
<b>C3010 - Wall Finishes</b>						0
						0
			<b>C3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3020 - Floor Finishes</b>						0
						0
			<b>C3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3030 - Ceiling Finishes</b>						0
						0
			<b>C3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>						
<b>D1010 - Elevators &amp; Lifts</b>						0
						0
			<b>D1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>						0
						0
			<b>D1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>						0
<b>Baggage Handling System (BHS)</b>						0
Design - Build BHS Contractor/Designer Review	34.01		21,522,000	%K	0.0258	556,206
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	60.27		52,500	SQFT	5	262,500
BHS Demo & Intern Operations	34.01		1	SUB	50,055.00	50,055
Motor Control Allocation Makeup Piers	34.02		1		1,500,000.00	w/ below
Refurbishment 16 Piers	34.02		1	SUB	11,249,550.00	11,249,550
AA Specific Requirements	34.01		1	LSUM	50,000.00	50,000
Bag Portering	60.6		21,522,000	LSUM	0.0197	423,197
Engineering & Undefined BHS	34.01		1	SUB	1,076,100.00	1,076,100
Alternate #1: New Make-Up Pier Replacement	34.02		1	SUB	1,775,615.00	1,775,615
Spare Parts	34.02		1	SUB	387,000.00	387,000
			<b>D1090 Subtotal</b>		<b>301.53</b>	<b>15,830,223</b>
<b>D20 - PLUMBING</b>						
<b>D2010 - Plumbing Fixtures</b>						
Tie in Gutter Drain	22.00	3	1	LSUM	20,000.00	20,000
						0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>H - Item #8 - Bag Makeup 16 Piers</b>			<b>( 52,500 GSF )</b>			
			<b>D2010 Subtotal</b>		<b>0.38</b>	<b>20,000</b>
D2020 - Domestic Water Distribution						0
			-	-	-	0
			<b>D2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
D2030 - Sanitary Waste						0
			-	-	-	0
			-	-	-	0
			<b>D2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
D2040 - Rain Water Drainage						0
			-	-	-	0
			-	-	-	0
			<b>D2040 Subtotal</b>		<b>0.00</b>	<b>0</b>
D2090 - Other Plumbing Systems						0
			-	-	-	0
			-	-	-	0
			<b>D2090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>						
D3010 - Energy Supply						0
			-	-	-	0
			<b>D3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
D3020 - Heat Generating Systems						0
			-	-	-	0
			-	-	-	0
			<b>D3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
D3030 - Cooling Generating Systems						0
			-	-	-	0
			-	-	-	0
			<b>D3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
D3040 - Distribution Systems						0
			-	-	-	0
			-	-	-	0
			<b>D3040 Subtotal</b>		<b>0.00</b>	<b>0</b>
D3050 - Terminal & Package Units						0
			-	-	-	0
			-	-	-	0
			<b>D3050 Subtotal</b>		<b>0.00</b>	<b>0</b>
D3060 - Controls & Instrumentation						0
			-	-	-	0
			-	-	-	0
			<b>D3060 Subtotal</b>		<b>0.00</b>	<b>0</b>
D3070 - Systems Testing & Balancing						0
			-	-	-	0
			-	-	-	0
			<b>D3070 Subtotal</b>		<b>0.00</b>	<b>0</b>
D3090 - Other HVAC Systems & Equipment						0
			-	-	-	0
			-	-	-	0
			<b>D3090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D40 - FIRE PROTECTION</b>						
D4010 - Sprinklers						
Canopy			1	LSUM	40,950.00	40,950
			-	-	-	0
			<b>D4010 Subtotal</b>		<b>0.78</b>	<b>40,950</b>
D4020 - Standpipe Systems						0
			-	-	-	0
			<b>D4020 Subtotal</b>		<b>0.00</b>	<b>0</b>
D4030 - Fire Protection Specialties						0
			-	-	-	0
			-	-	-	0
			<b>D4030 Subtotal</b>		<b>0.00</b>	<b>0</b>
D4090 - Other Fire Protection Systems						0
			-	-	-	0
			-	-	-	0
			<b>D4090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D50 - ELECTRICAL</b>						
D5010 - Electrical Service & Distribution						
Canopy - Lighting & Power	26.00	3	1	LSUM	327,600.00	327,600
			-	-	-	0
			<b>D5010 Subtotal</b>		<b>6.24</b>	<b>327,600</b>
D5020 - Lighting & Branch Wiring						0



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>H - Item #8 - Bag Makeup 16 Piers</b>			<b>( 52,500 GSF )</b>			
13' Painted Wood Barricade	60.7		0	LNFT	386.00	0
Gates & Doors	60.7		0	LSUM	67,800.00	0
8' Drywall barricade	60.7		0	LNFT	105.00	0
12' Drywall Barricade	60.7		622.80	LNFT	168.00	104,630
15' Drywall Barricade	60.7		604.80	LNFT	178.00	107,654
18' Drywall Barricade	60.7		496.80	LNFT	180.00	89,424
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.7		0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.7		0	LNFT	260.50	0
Arrivals Barricade Phasing	60.7		0	PHASE	67,200.00	0
FAA Barricade & Relocation	60.7		0	LNFT	75.00	0
South Wall Debris Netting	60.7		0	LSUM	75,000.00	0
Temporary Blastwall	60.7		0	LNFT	1,333.33	0
Working Platform (inc temp MEPF, Dust & Roofing)	60.7		4,200	SQFT	73.50	308,700
Maintain Barricades Per LAWA Direction	60.7		95.521	WEEKS	850.00	81,193
Project Safety Maintenance & Survey	60.75		22	WEEKS	2,960.00	65,298
						0
<b>Daily Cleanup Crew / General Labor</b>						0
1 Laborers Day Shift or 1 Night Shift	60.8		22	MONTH	21,168.00	466,972
HP Craft Parking - Cleanup Labor	60.8		22	MONTH	630.00	13,898
HP Craft Parking - 5 each Gen Labor	60.8		22	MONTH	3,150.00	69,490
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.8		44.1205	TRIP	865.00	38,164
Dumpster Dump Fees	60.8		47.8046	DUMP	800.00	38,244
Recycling Dumpster Fees	60.8		2.3902	DUMP	800.00	1,912
Recycling Dumpster Fees - FFE	60.8		0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	60.8		0	PENING	350.00	0
Pest Control	60.8		22	MONTH	100.00	2,206
Final Clean-Up - Bldg	60.8		52,500	SQFT	1.50	78,750
Final Clean-Up - Exterior Skin New Construction	60.8		0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.8		0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.8		0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	60.8		2	EACH	15,000.00	30,000
						0
Demo BLDG Arch	2.42		52,500	SQFT	30.00	1,575,000
			-		-	0
			<b>F2010 Subtotal</b>		<b>58.51</b>	<b>3,071,536</b>
<b>F2020 - Hazardous Components Abatement</b>						
None Included				LSUM		w/ Demo
			-		-	0
			<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>I - Item #10 T4.5 Core Extended Tug Bag Drop</b>			<b>( 2,000 GSF )</b>			
<b>A10 - FOUNDATIONS</b>						
<b>A1010 - Standard Foundations</b>						
			-			0
			-			0
			<b>A1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1020 - Special Foundations</b>						
			-			0
			-			0
			<b>A1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1030 - Slab on Grade</b>						
wall/curb bush & drill epoxy bars	3.00	12	22	LNFT	1,200.00	26,400
Sidewalk & Curb Modifications	3.00	12	1	LSUM	5,000.00	5,000
			-			0
			<b>A1030 Subtotal</b>		<b>15.70</b>	<b>31,400</b>
<b>A20 - BASEMENT CONSTRUCTION</b>						
<b>A2010 - Basement Excavation</b>						
			-			0
			-			0
			<b>A2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A2020 - Basement Walls</b>						
			-			0
			-			0
			<b>A2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B10 - SUPERSTRUCTURE</b>						
<b>B1010 - Floor Construction</b>						
			-			0
			-			0
			<b>B1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B1020 - Roof Construction</b>						
			-			0
			-			0
			<b>B1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B20 - EXTERIOR CLOSURE</b>						
<b>B2010 - Exterior Walls</b>						
Exterior 2hr Wall With Plaster	9.22	12	55	LNFT	575.00	31,625
Expansion Joint	7.92	12	80	LNFT	75.00	6,000
						0
						0
			-			0
			<b>B2010 Subtotal</b>		<b>18.81</b>	<b>37,625</b>
<b>B2020 - Exterior Windows</b>						
			-			0
			-			0
			<b>B2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2030 - Exterior Doors</b>						
Relocate Existing Exit Door	8.12	12	1	LSUM	1,800.00	1,800
			-			0
			<b>B2030 Subtotal</b>		<b>0.90</b>	<b>1,800</b>
<b>B30 - ROOFING</b>						
<b>B3010 - Roof Coverings</b>						
			-			0
			-			0
			<b>B3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>						
<b>C1010 - Partitions</b>						
Beam Soffit for BHS Reroute Adjacent to Expansion Joint	9.21		1	LSUM	100,000.00	100,000
			-			0
			<b>C1010 Subtotal</b>		<b>50.00</b>	<b>100,000</b>
<b>C1020 - Interior Doors</b>						
			-			0
			-			0
			<b>C1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1030 - Specialties</b>						
			-			0
			-			0
			<b>C1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C20 - STAIRS</b>						
<b>C2010 - Stair Construction</b>						
Rework Stairs Landing	5.50	12	1	LSUM	15,000.00	15,000
			-			0
			<b>C2010 Subtotal</b>		<b>7.50</b>	<b>15,000</b>
<b>C2020 - Stair Finishes</b>						
Rework Stairwell	9.21	12	600	SQFT	60.00	36,000

**T4/T5 Baggage Handling System GMP**  
**Back-Up Estimate Detail**

Owner: LAWA  
 Architect: PGAL

Drawing Date: 3/19/2021  
 Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>I - Item #10 T4.5 Core Extended Tug Bag Drop</b>			<b>( 2,000 GSF )</b>			
			-	-	-	0
			<b>C2020 Subtotal</b>		<b>18.00</b>	<b>36,000</b>
<b>C30 - INTERIOR FINISHES</b>						
<b>C3010 - Wall Finishes</b>						
			-	-	-	0
			-	-	-	0
			<b>C3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C3020 - Floor Finishes</b>						
Tug & Traffic Striping	33.30	12	1	LSUM	3,500.00	3,500
			-	-	-	0
			<b>C3020 Subtotal</b>		<b>1.75</b>	<b>3,500</b>
<b>C3030 - Ceiling Finishes</b>						
			-	-	-	0
			-	-	-	0
			<b>C3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>						
<b>D1010 - Elevators &amp; Lifts</b>						
			-	-	-	0
			-	-	-	0
			<b>D1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>						
			-	-	-	0
			-	-	-	0
			<b>D1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>						
<b>Baggage Handling System (BHS)</b>						
Design - Build BHS Contractor/Designer Review	34.01		467,500	%K	0.0258	12,082
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	60.27		2,000	SQFT	31	61,333
BHS Demo & Intern Operations	34.01		1	SUB	11,687.50	w/ Below
BHS - Core Extended Tug Bag Drop	34.02		1	SUB	626,025.00	626,025
AA Specific Requirements	34.01		1	LSUM	20,000.00	20,000
Bag Portering	60.6		467,500	LSUM	0.02	8,766
Engineering & Undefined BHS	34.01		1	SUB	23,375.00	23,375
Reroute - Beam Conflict	34.01		1	LSUM	200,000.00	200,000
			-	-	-	0
			<b>D1090 Subtotal</b>		<b>475.79</b>	<b>951,581</b>
<b>D20 - PLUMBING</b>						
<b>D2010 - Plumbing Fixtures</b>						
			-	-	-	0
			-	-	-	0
			<b>D2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2020 - Domestic Water Distribution</b>						
			-	-	-	0
			-	-	-	0
			<b>D2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>						
			-	-	-	0
			-	-	-	0
			<b>D2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>						
			-	-	-	0
			-	-	-	0
			<b>D2040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>D2090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>						
<b>D3010 - Energy Supply</b>						
			-	-	-	0
			-	-	-	0
			<b>D3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3020 - Heat Generating Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>D3020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3030 - Cooling Generating Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>D3030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3040 - Distribution Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>D3040 Subtotal</b>		<b>0.00</b>	<b>0</b>

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>I - Item #10 T4.5 Core Extended Tug Bag Drop</b>			<b>( 2,000 GSF )</b>			
<b>D3050 - Terminal &amp; Package Units</b>						
			-			0
			-			0
			<b>D3050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3060 - Controls &amp; Instrumentation</b>						
			-			0
			-			0
			<b>D3060 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3070 - Systems Testing &amp; Balancing</b>						
			-			0
			-			0
			<b>D3070 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D3090 - Other HVAC Systems &amp; Equipment</b>						
			-			0
			-			0
			<b>D3090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D40 - FIRE PROTECTION</b>						
<b>D4010 - Sprinklers</b>						
			-			0
			-			0
			<b>D4010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D4020 - Standpipe Systems</b>						
			-			0
			-			0
			<b>D4020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D4030 - Fire Protection Specialties</b>						
			-			0
			-			0
			<b>D4030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D4090 - Other Fire Protection Systems</b>						
			-			0
			-			0
			<b>D4090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D50 - ELECTRICAL</b>						
<b>D5010 - Electrical Service &amp; Distribution</b>						
			-			0
			-			0
			<b>D5010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D5020 - Lighting &amp; Branch Wiring</b>						
Lighting & Exit Signage	26.00	12	600	SQFT	45.00	27,000
			-			0
			<b>D5020 Subtotal</b>		<b>13.50</b>	<b>27,000</b>
<b>D5030 - Communications &amp; Security</b>						
			-			0
			-			0
			<b>D5030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>D5090 - Other Electrical Services</b>						
			-			0
			-			0
			<b>D5090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E10 - EQUIPMENT</b>						
<b>E1010 - Commercial Equipment</b>						
			-			0
			-			0
			<b>E1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1020 - Institutional Equipment</b>						
			-			0
			-			0
			<b>E1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1030 - Vehicular Equipment</b>						
			-			0
			-			0
			<b>E1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1090 - Other Equipment</b>						
			-			0
			-			0
			<b>E1090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E20 - FURNISHINGS</b>						
<b>E2010 - Fixed Furnishings</b>						
			-			0
			-			0
			<b>E2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>						
			-			0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>I - Item #10 T4.5 Core Extended Tug Bag Drop</b>			<b>( 2,000 GSF )</b>			
			-	-	-	0
			<b>E2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>						
<b>F1010 - Special Structures</b>						
Code Correction Allowance	60.1		2,000	SQFT	0.00	0
Conflict / Phasing MEP Reroute	60.2		2,000	SQFT	0.00	0
Adj To Design- New/Exist MEPP to Structure and Architecture	60.25		2,000	SQFT	35.00	70,000
Escorting and Firewatch Personnel	60.4		1	LSUM	6,472.52	6,473
Airport Escort Vehicles & Operators	60.4		3	MO	3,124.80	8,660
Phasing to Support Propriety	60.2			LSUM		0
Phasing to Support Propriety	60.2			LSUM		0
Escalation	60.85	100	0	PERC	1,473,618.95	44,209
			-	-	-	0
			<b>F1010 Subtotal</b>		<b>64.67</b>	<b>129,341</b>
<b>F1020 - Integrated Construction</b>						
			-	-	-	0
			-	-	-	0
			<b>F1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>						
			-	-	-	0
			-	-	-	0
			<b>F1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>						
			-	-	-	0
			-	-	-	0
			<b>F1040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>						
			-	-	-	0
			-	-	-	0
			<b>F1050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>						
<b>F2010 - Building Elements Demolition</b>						
<b>Temp Partitions For Phasing and Operations</b>						
8' Painted Wood Barricade	60.7		0	LNFT	290.00	0
10' Painted Wood Barricade	60.7		50	LNFT	326.00	16,300
13' Painted Wood Barricade	60.7		0	LNFT	386.00	0
Gates & Doors	60.7		0	LSUM	67,800.00	0
8' Drywall barricade	60.7		0	LNFT	105.00	0
12' Drywall Barricade	60.7		100.00	LNFT	168.00	16,800
15' Drywall Barricade	60.7		0.00	LNFT	178.00	0
18' Drywall Barricade	60.7		0.00	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.7		0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.7		0	LNFT	260.50	0
Arrivals Barricade Phasing	60.7		0	PHASE	67,200.00	0
FAA Barricade & Relocation	60.7		0	LNFT	75.00	0
South Wall Debris Netting	60.7		0	LSUM	75,000.00	0
Temporary Blastwall	60.7		0	LNFT	1,333.33	0
Working Platform (inc temp MEPP, Dust & Roofing)	60.7		0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	60.7		2.771	WEEKS	850.00	2,356
Project Safety Maintenance & Survey	60.75		2.77	WEEKS	2,960.00	8,203
						0
<b>Daily Cleanup Crew / General Labor</b>						
1 Laborers Day Shift or 1 Night Shift	60.8		3	MONTH	21,168.00	58,664
HP Craft Parking - Cleanup Labor	60.8		3	MONTH	630.00	1,746
HP Craft Parking - 5 each Gen Labor	60.8		3	MONTH	3,150.00	8,730
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.8		4.0000	TRIP	865.00	3,460
Dumpster Dump Fees	60.8		6.0055	DUMP	800.00	4,804
Recycling Dumpster Fees	60.8		0.3003	DUMP	800.00	240
Recycling Dumpster Fees - FFE	60.8		0	DUMP	800.00	0
Trash Chutes, Temporary Openings (Phasing)	60.8		0	PENING	350.00	0
Pest Control	60.8		3	MONTH	100.00	277
Final Clean-Up - Bldg	60.8		2,000	SQFT	1.50	3,000
Final Clean-Up - Exterior Skin New Construction	60.8		0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.8		0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.8		0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	60.8		0	EACH	15,000.00	0
						0
Demo BLDG Arch	2.42		2,000	SQFT	30.00	60,000
			-	-	-	0
			<b>F2010 Subtotal</b>		<b>92.29</b>	<b>184,581</b>
<b>F2020 - Hazardous Components Abatement</b>						
			-	-	-	0
			-	-	-	0
			<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
						0

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>J - Item #11 - Culvert Connector Conveyor</b>			<b>( 5,000 GSF )</b>			
<b>A10 - FOUNDATIONS</b>						
<b>A1010 - Standard Foundations</b>						
			-			0
			-			0
			<b>A1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1020 - Special Foundations</b>						
			-			0
			-			0
			<b>A1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A1030 - Slab on Grade</b>						
			-			0
			-			0
			<b>A1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>A20 - BASEMENT CONSTRUCTION</b>						
<b>A2010 - Basement Excavation</b>						
Tunnel Length			111	LNFT		0
Str Demo Ceiling IT Rooms	2.41	21	1	LSUM	75,000.00	75,000
Relocate MEPF	60.20	21	1	LSUM	100,000.00	100,000
Protect existing HH equipment	60.80	21	1	LSUM	25,000.00	25,000
Earth Retention	2.43	21	0	SQFT	110.00	0
Excavation	2.42	21	1,055	CYD	250.00	263,750
Backfill & Stone base	2.42	21	792	CYD	150.00	118,800
Hauloff Soils and Transport	2.42	21	1,055	CYD	90.00	94,950
Mat Slab w/ vapor barrier	3.00	21	40	CYD	2,250.00	90,000
FND Walls	3.00	21	45	CYD	3,000.00	135,000
Support Structural Slab & Beams	3.00	21	31	CYD	2,750.00	85,250
Tie In Existing Str	3.00	21	1	ALLW	100,000.00	100,000
Crashwall	3.00	21	11	CYD	3,500.00	39,200
Waterproofing	7.17	21	0	SQFT	60.00	0
Bollards & Curbs	3.10	21	1	ALLW	10,000.00	10,000
plumbing drain	22.00	21	1	LSUM	45,000.00	45,000
pavement marking	33.30	21	1	LSUM	10,000.00	10,000
Framed tunnel walls at opening	9.21	21	50	LNFT	600.00	30,000
Pedestal	3.00	21	4	CYD	5,000.00	20,000
Slab Infill at Tug Road	3.00	21	128	CYD	700.00	89,600
						0
						0
			<b>A2010 Subtotal</b>		<b>266.31</b>	<b>1,331,550</b>
<b>A2020 - Basement Walls</b>						
			-			0
			-			0
			<b>A2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B10 - SUPERSTRUCTURE</b>						
<b>B1010 - Floor Construction</b>						
			-			0
			-			0
			<b>B1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B1020 - Roof Construction</b>						
			-			0
			-			0
			<b>B1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B20 - EXTERIOR CLOSURE</b>						
<b>B2010 - Exterior Walls</b>						
			-			0
			-			0
			<b>B2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2020 - Exterior Windows</b>						
			-			0
			-			0
			<b>B2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B2030 - Exterior Doors</b>						
			-			0
			-			0
			<b>B2030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>B30 - ROOFING</b>						
<b>B3010 - Roof Coverings</b>						
			-			0
			-			0
			<b>B3010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C10 - INTERIOR CONSTRUCTION</b>						
<b>C1010 - Partitions</b>						
			-			0
			-			0
			<b>C1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>C1020 - Interior Doors</b>						

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL	
<b>J - Item #11 - Culvert Connector Conveyor</b>			( 5,000 GSF )				
			-	-	-	0	
			-	-	-	0	
			<b>C1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C1030 - Specialties</b>							
			-	-	-	0	
			-	-	-	0	
			<b>C1030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C20 - STAIRS</b>							
<b>C2010 - Stair Construction</b>							
			-	-	-	0	
			-	-	-	0	
			<b>C2010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C2020 - Stair Finishes</b>							
			-	-	-	0	
			-	-	-	0	
			<b>C2020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C30 - INTERIOR FINISHES</b>							
<b>C3010 - Wall Finishes</b>							
			-	-	-	0	
			-	-	-	0	
			<b>C3010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C3020 - Floor Finishes</b>							
			-	-	-	0	
			-	-	-	0	
			<b>C3020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>C3030 - Ceiling Finishes</b>							
			-	-	-	0	
			-	-	-	0	
			<b>C3030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D10 - CONVEYING</b>							
<b>D1010 - Elevators &amp; Lifts</b>							
			-	-	-	0	
			-	-	-	0	
			<b>D1010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D1020 - Escalators &amp; Moving Walks</b>							
			-	-	-	0	
			-	-	-	0	
			<b>D1020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D1090 - Other Conveying Systems</b>							
<b>Baggage Handling System (BHS)</b>							
Design - Build BHS Contractor/Designer Review	34.01		561,000	%K	0.0258	w/ Sector E	
Adj To Design-BHS( Elect, Catwalk, Conveyor) New/Exist MEPF/Str	60.27		5,000	SQFT	0	n/a	
BHS Demo & Intern Operations	34.01		1	SUB	0.00	n/a	
Oversizes Tunnel BHS	34.02		1	SUB	561,000.00	w/ Sector E	
AA Specific Requirements	34.01		1	LSUM	20,000.00	w/ Sector E	
Bag Portering	60.60		561,000	LSUM	0.02	w/ Sector E	
Engineering & Undefined BHS	34.01		1	SUB	28,050.00	w/ Sector E	
			-	-	-	0	
			<b>D1090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D20 - PLUMBING</b>							
<b>D2010 - Plumbing Fixtures</b>							
			-	-	-	0	
			-	-	-	0	
			<b>D2010 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2020 - Domestic Water Distribution</b>							
			-	-	-	0	
			-	-	-	0	
			<b>D2020 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2030 - Sanitary Waste</b>							
			-	-	-	0	
			-	-	-	0	
			<b>D2030 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2040 - Rain Water Drainage</b>							
			-	-	-	0	
			-	-	-	0	
			<b>D2040 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D2090 - Other Plumbing Systems</b>							
			-	-	-	0	
			-	-	-	0	
			<b>D2090 Subtotal</b>			<b>0.00</b>	<b>0</b>
<b>D30 - HVAC</b>							
<b>D3010 - Energy Supply</b>							
			-	-	-	0	
			-	-	-	0	

T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>J - Item #11 - Culvert Connector Conveyor</b>			( 5,000 GSF )			
			D3010 Subtotal		0.00	0
D3020 - Heat Generating Systems			-	-	-	0
			-	-	-	0
			D3020 Subtotal		0.00	0
D3030 - Cooling Generating Systems			-	-	-	0
			-	-	-	0
			D3030 Subtotal		0.00	0
D3040 - Distribution Systems			-	-	-	0
			-	-	-	0
			D3040 Subtotal		0.00	0
D3050 - Terminal & Package Units			-	-	-	0
			-	-	-	0
			D3050 Subtotal		0.00	0
D3060 - Controls & Instrumentation			-	-	-	0
			-	-	-	0
			D3060 Subtotal		0.00	0
D3070 - Systems Testing & Balancing			-	-	-	0
			-	-	-	0
			D3070 Subtotal		0.00	0
D3090 - Other HVAC Systems & Equipment			-	-	-	0
			-	-	-	0
			D3090 Subtotal		0.00	0
<b>D40 - FIRE PROTECTION</b>						
D4010 - Sprinklers			-	-	-	0
			-	-	-	0
			D4010 Subtotal		0.00	0
D4020 - Standpipe Systems			-	-	-	0
			-	-	-	0
			D4020 Subtotal		0.00	0
D4030 - Fire Protection Specialties			-	-	-	0
			-	-	-	0
			D4030 Subtotal		0.00	0
D4090 - Other Fire Protection Systems			-	-	-	0
			-	-	-	0
			D4090 Subtotal		0.00	0
<b>D50 - ELECTRICAL</b>						
D5010 - Electrical Service & Distribution			-	-	-	0
			-	-	-	0
			D5010 Subtotal		0.00	0
D5020 - Lighting & Branch Wiring			-	-	-	0
			-	-	-	0
			D5020 Subtotal		0.00	0
D5030 - Communications & Security			-	-	-	0
			-	-	-	0
			D5030 Subtotal		0.00	0
D5090 - Other Electrical Services			-	-	-	0
			-	-	-	0
			D5090 Subtotal		0.00	0
<b>E10 - EQUIPMENT</b>						
<b>E1010 - Commercial Equipment</b>						
Code Correction Allowance	60.1		5,000	SQFT	0.00	0
Conflict / Phasing MEP Reroute	60.2		5,000	SQFT	0.00	0
Adj To Design- New/Exist MEPP to Structure and Architecture	60.25		5,000	SQFT	64.10	320,500
Escorting and Firewatch Personnel	60.4		1	LSUM	42,071.36	42,071
Airport Escort Vehicles & Operators	60.4		18.0139	MO	3,124.80	56,290
Phasing to Support Propriety	60.2			LSUM		0
Phasing to Support Propriety	60.2			LSUM		0
Escalation	60.85	100	0	PERC	1,779,575.06	53,387
			-	-	-	0



T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>J - Item #11 - Culvert Connector Conveyor</b>			( 5,000 GSF )			
			<b>E1010 Subtotal</b>		<b>94.45</b>	<b>472,248</b>
<b>E1020 - Institutional Equipment</b>			-	-	-	0
			-	-	-	0
			<b>E1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1030 - Vehicular Equipment</b>			-	-	-	0
			-	-	-	0
			<b>E1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E1090 - Other Equipment</b>			-	-	-	0
			-	-	-	0
			<b>E1090 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E20 - FURNISHINGS</b>						
<b>E2010 - Fixed Furnishings</b>			-	-	-	0
			-	-	-	0
			<b>E2010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>E2020 - Moveable Furnishings</b>			-	-	-	0
			-	-	-	0
			<b>E2020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F10 - SPECIAL CONSTRUCTION</b>						
<b>F1010 - Special Structures</b>			-	-	-	0
			-	-	-	0
			<b>F1010 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1020 - Integrated Construction</b>			-	-	-	0
			-	-	-	0
			<b>F1020 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1030 - Special Construction Systems</b>			-	-	-	0
			-	-	-	0
			<b>F1030 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1040 - Special Facilities</b>			-	-	-	0
			-	-	-	0
			<b>F1040 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F1050 - Special Controls &amp; Instrumentation</b>			-	-	-	0
			-	-	-	0
			<b>F1050 Subtotal</b>		<b>0.00</b>	<b>0</b>
<b>F20 - SELECTIVE BUILDING DEMOLITION</b>						
<b>F2010 - Building Elements Demolition</b>						
None Included				LSUM		0
Dumpsters				PULL		0
Temp Partitions				SQFT		0
<b>Temp Partitions For Phasing and Operations</b>						0
8' Painted Wood Barricade	60.7		0	LNFT	290.00	0
10' Painted Wood Barricade	60.7		0	LNFT	326.00	0
13' Painted Wood Barricade	60.7		0	LNFT	386.00	0
Gates & Doors	60.7		0	LSUM	67,800.00	0
8' Drywall barricade	60.7		0	LNFT	105.00	0
12' Drywall Barricade	60.7		0.00	LNFT	168.00	0
15' Drywall Barricade	60.7		0.00	LNFT	178.00	0
18' Drywall Barricade	60.7		0.00	LNFT	180.00	0
25' Drywall Barricade - Drywall 12' Visqueen 13'	60.7		0	LNFT	190.50	0
45' Drywall Barricade - Drywall 12' Visqueen 33'	60.7		0	LNFT	260.50	0
Tug Road Excavation - Trade Safety Barricades	60.7		80	LNFT	105.00	8,400
FAA Barricade & Relocation	60.7		0	LNFT	75.00	0
South Wall Debris Netting	60.7		0	LSUM	75,000.00	0
Temporary Blastwall	60.7		0	LNFT	1,333.33	0
Working Platform (inc temp MEPF, Dust & Roofing)	60.7		0	SQFT	73.50	0
Maintain Barricades Per LAWA Direction	60.7		12	WEEKS	850.00	10,200
Project Safety Maintenance & Survey	60.75		12	WEEKS	592.00	7,104
						0
<b>Daily Cleanup Crew / General Labor</b>						0
1 Laborers Day Shift or 1 Night Shift	60.8		0	MONTH	21,168.00	0
HP Craft Parking - Cleanup Labor	60.8		0	MONTH	630.00	0
HP Craft Parking - 5 each Gen Labor	60.8		0	MONTH	3,150.00	0
Street Sweeping - 4 Hr Min/Trip (5/PLB)	60.8		4.0000	TRIP	865.00	3,460
Dumpster Dump Fees	60.8		0.0000	DUMP	800.00	0
Recycling Dumpster Fees	60.8		0.0000	DUMP	800.00	0
Recycling Dumpster Fees - FFE	60.8		0	DUMP	800.00	0

**T4/T5 Baggage Handling System GMP  
Back-Up Estimate Detail**

Owner: LAWA  
Architect: PGAL

Drawing Date: 3/19/2021  
Revision No: 60% Progress Set

PARAMETER / ITEM OF WORK	FSR	USER 3	QUANTITY	UNIT	\$/UNIT	TOTAL
<b>J - Item #11 - Culvert Connector Conveyor</b>			( 5,000 GSF )			
Trash Chutes, Temporary Openings (Phasing)	60.8		0	PENING	350.00	0
Pest Control	60.8		0	MONTH	100.00	0
Final Clean-Up - Bldg	60.8		#REF!	SQFT	1.50	0
Final Clean-Up - Exterior Skin New Construction	60.8		0	SQFT	1.00	0
Final Clean-Up - Site - 43,560 SF = Acre	60.8		0	ACRE	2,000.00	0
Site Dewatering after Rain Events (6 Labor Hrs/Wk)	60.8		0	WEEK	1,350.00	0
Rain Event Cleanup and Remediation	60.8		0	EACH	15,000.00	0
						0
			-	-	-	0
						0
			<b>F2010 Subtotal</b>		<b>5.83</b>	<b>29,164</b>
<b>F2020 - Hazardous Components Abatement</b>						
			-	-	-	0
			-	-	-	0
			<b>F2020 Subtotal</b>		<b>0.00</b>	<b>0</b>



**HENSEL PHELPS**

Plan. Build. Manage.

# General Conditions & General Requirements

GENERAL CONDITIONS AND GENERAL REQUIREMENTS

July 2021 thru January 2028 GC/GR's (79 Months)

Construction: 69 Months

Total Construction & Precon: 83 Months

LAWA T4 Baggage Handling System Upgrades

			MATERIAL		EQUIP./SUBS.		LABOR			
	QUANTITY	UNIT	\$/UNIT	AMOUNT	\$/UNIT	AMOUNT	\$/UNIT	AMOUNT	Unit Price	TOTAL
<b>STAFFING</b>										\$ 21,424,937
2021 THRU 2028 - SEE STAFFING CHART	1	LS	-	-	-	-	21,424,937	21,424,937	21,424,937	\$ 21,424,937
<b>IT LEASE</b>										\$ 197,500
2021 THRU 2028 - IT LEASED EQUIPMENT	79	MO			2,500	197,500	-	-	-	\$ 197,500.00
<b>STAFF SUPPORT</b>										\$ 834,840
PROJECT SPONSORED EVENTS (2 / YEAR)		EA	-	-	10,000	-	-	-	\$ 10,000.00	\$ -
FIELD ENGINEERING EQUIPMENT & SUPPLIES	158	STAFFMO	100.00	15,800	50.00	7,900	-	-	\$ 150.00	\$ 23,700
FIELD ENGINEERING EQUIPMENT - TOTAL STATION		EACH	35,000.00	-	-	-	-	-	\$ 35,000.00	\$ -
HP EMPLOYEE PARKING	790	STAFFMO	-	-	866.00	684,140	-	-	\$ 866.00	\$ 684,140
PARTNERING EVENTS (2 PER YEAR)	10	EACH	5,000.00	50,000	-	-	-	-	\$ 5,000.00	\$ 50,000
PROJECT MEETINGS (4 PER YEAR)		EACH	3,000.00	-	-	-	-	-	\$ 3,000.00	\$ -
JOBSITE REQ'D TRAVEL (ASSUMES 2 STAFF/TRIP 3X/YR )	15	TRIP	-	-	2,500.00	37,500	-	-	\$ 2,500.00	\$ 37,500
M6 VEO SOFTWARE LICENSE	79	MO	-	-	500.00	39,500	-	-	\$ 500.00	\$ 39,500
<b>PRINTING AND DOCUMENTATION</b>										\$ 137,775
HPCC STAFF PLANS	10	SET	900.00	9,000	-	-	-	-	\$ 900.00	\$ 9,000
PROGRESS PRINTS	20	SET	500.00	10,000	-	-	-	-	\$ 500.00	\$ 10,000
BID PACKAGE PRINTING	5	EA	850.00	4,250	-	-	-	-	\$ 850.00	\$ 4,250
MEP COORDINATION PRINTING		MO	750.00	-	-	-	-	-	\$ 750.00	\$ -
AS-BUILT DRAWINGS	10	SET	2,500.00	25,000	-	-	-	-	\$ 2,500.00	\$ 25,000
SUBMITTAL PRINTING		MO	750.00	-	-	-	-	-	\$ 750.00	\$ -
SCANNING SERVICE AND ELECTRONIC STORAGE	79	MO	-	-	475.00	37,525	-	-	\$ 475.00	\$ 37,525
SCANNING AS-BUILTS DRAWINGS		SHTS	-	-	1.50	-	-	-	\$ 1.50	\$ -
O & M MANUALS	20	SETS	350.00	7,000	-	-	-	-	\$ 350.00	\$ 7,000
FINAL PROJECT PROFESSIONAL PHOTOS	1	LS	-	-	15,000.00	15,000	-	-	\$ 15,000.00	\$ 15,000
DOCUMENT HYPERLINKING	1	LS	-	-	30,000.00	30,000	-	-	\$ 30,000.00	\$ 30,000
<b>JOBSITE OFFICE</b>										\$ 540,650
<b>PMO / FIELD OFFICE</b>										
RENT (to LAWA)	79	MO	-	-	2,000.00	158,000	-	-	\$ 2,000.00	\$ 158,000
MAINTENANCE AND REPAIRS	20	MO	100.00	2,000	150.00	3,000	200.00	4,000	\$ 450.00	\$ 9,000
INCIDENTAL LABOR AT PMO OFFICE (2 man days/MO)		MO	-	-	-	-	1,040.00	-	\$ 1,040.00	\$ -
BUILD OUT INTERIOR	50	SF	-	-	55.00	2,750	-	-	\$ 55.00	\$ 2,750
SYSTEMS FURNITURE		MO	-	-	-	-	-	-	\$ -	\$ -
OFFICE FURNITURE LEASE	79	MO	-	-	250.00	19,750	-	-	\$ 250.00	\$ 19,750
MOVING COSTS	1	EA	-	-	15,000.00	15,000	7,500.00	7,500	\$ 22,500.00	\$ 22,500
FAX MACHINE		EA	300.00	-	-	-	-	-	\$ 300.00	\$ -
PAYROLL COMPLIANCE SOFTWARE (LCP TRACKER)	6	YR	-	-	10,000.00	60,000	-	-	\$ 10,000.00	\$ 60,000
OFFICE COPIERS / PRINTERS / PLOTTER - PMO	20	MO	2,000.00	40,000	-	-	-	-	\$ 2,000.00	\$ 40,000
SMALL PRINTERS	2	EA	500.00	1,000	-	-	-	-	\$ 500.00	\$ 1,000
OFFICE NETWORK MAINTENANCE	20	MO	200.00	4,000	-	-	-	-	\$ 200.00	\$ 4,000
CONFERENCE MONITORS & DONGLES	2	EA	5,000.00	10,000	-	-	-	-	\$ 5,000.00	\$ 10,000
DIGITAL WHITEBOARD		EA	5,000.00	-	-	-	-	-	\$ 5,000.00	\$ -
POSTAGE & SHIPPING - GENERAL	20	MO	700.00	14,000	-	-	-	-	\$ 700.00	\$ 14,000
RADIO BASE STATION		EA	-	-	4,000.00	-	-	-	\$ 4,000.00	\$ -
RADIOS		EA	-	-	500.00	-	-	-	\$ 500.00	\$ -
OFFICE JANITORIAL SERVICE		MO	400.00	-	2,500.00	-	-	-	\$ 2,900.00	\$ -
BULLETIN BOARDS (OSHA)	10	EA	400.00	4,000	-	-	-	-	\$ 400.00	\$ 4,000
PLOTTER CONSUMABLES - FIELD OFFICE		MO	200.00	-	200.00	-	-	-	\$ 400.00	\$ -
<b>UTILITIES TO PMO / FIELD OFFICE</b>										
WATER & SEWER USAGE COST (W/OWNER LEASE)		MO	-	-	-	-	-	-	\$ -	By Owner
POWER USAGE COST (W/OWNER LEASE)		MO	-	-	-	-	-	-	\$ -	By Owner
TELEPHONE SERVICE - INSTALL		EA	-	-	-	-	-	-	\$ -	By Owner
TELEPHONE HEADEND EQUIPMENT		EA	-	-	-	-	-	-	\$ -	By Owner
TELEPHONE EQUIPMENT PURCHASE (HANDSETS)	2	EA	-	-	350.00	700	-	-	\$ 350.00	\$ 700
TELEPHONE & INTERNET USAGE COST	26	MO	2,000.00	52,000	-	-	-	-	\$ 2,000.00	\$ 52,000
POWER AND DATA HOOKUPS	1	LS	-	-	75,000.00	75,000	-	-	\$ 75,000.00	\$ 75,000
TELEPHONE & INTERNET SET UP COST	1	LS	-	-	7,000.00	7,000	-	-	\$ 7,000.00	\$ 7,000
<b>LAYDOWN YARD</b>										
RENT (to LAWA)		MO	-	-	-	-	-	-	\$ -	By Owner
BULLETIN BOARDS (OSHA)	1	EA	400.00	400	-	-	-	-	\$ 400.00	\$ 400
MAINTENANCE AND REPAIRS	79	MO	100.00	7,900	150.00	11,850	200.00	15,800	\$ 450.00	\$ 35,550
SECURITY SYSTEM	1	LS	-	-	25,000.00	25,000	-	-	\$ 25,000.00	\$ 25,000
<b>CONSULTANTS</b>										\$ 1,149,850
PROFESSIONAL SURVEYOR - CONTROL / EXT CONDITIONS	400	HR	-	-	285.00	114,000	-	-	\$ 285.00	\$ 114,000
PROFESSIONAL SURVEYOR - APRON AS-BUILTS	120	HR	-	-	285.00	34,200	-	-	\$ 285.00	\$ 34,200
PROFESSIONAL SURVEYOR - INTERIOR ARCHITECTURAL SURVEYS	50	HR	-	-	285.00	14,250	-	-	\$ 285.00	\$ 14,250



GENERAL CONDITIONS AND GENERAL REQUIREMENTS

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Construction: 69 Months

Total Construction & Precon: 83 Months

LAWA T4 Baggage Handling System Upgrades

	QUANTITY	UNIT	MATERIAL		EQUIP./SUBS.		LABOR		Unit Price	TOTAL
			\$/UNIT	AMOUNT	\$/UNIT	AMOUNT	\$/UNIT	AMOUNT		
LASER SCANNING AND CLOUD MAPPING	300	HR	-	-	300.00	90,000	-	-	\$ 300.00	\$ 90,000
PEER CONSULTANTS - STRUCTURAL	100	HR	-	-	500.00	50,000	-	-	\$ 500.00	\$ 50,000
PEER CONSULTANTS - EXTERIOR ENCLOSURE	50	HR	-	-	300.00	15,000	-	-	\$ 300.00	\$ 15,000
BIM CONSULTANT	200	HR	-	-	200.00	40,000	-	-	\$ 200.00	\$ 40,000
SCHEDULING CONSULTANT	160	HR	-	-	150.00	24,000	-	-	\$ 150.00	\$ 24,000
PHASING CONSULTANT	1	EA	-	-	50,000.00	50,000	-	-	\$ 50,000.00	\$ 50,000
THIRD PARTY WATER INTRUSION CONSULTANT	100	HR	-	-	200.00	20,000	-	-	\$ 200.00	\$ 20,000
INDEPENDENT COST AUDITOR	960	HR	-	-	165.00	158,400	-	-	\$ 165.00	\$ 158,400
HP SERVICES - OPERATIONAL READINESS	20	MO	-	-	27,000.00	540,000	-	-	\$ 27,000.00	\$ 540,000
COMMISSIONING AGENT		HR	-	-	-	-	-	-	-	By Owner
<b>SAFETY</b>										<b>\$ 230,950</b>
PRE-EMPLOYMENT DRUG SCREEN	20	EA	-	-	260.00	5,200	-	-	\$ 260.00	\$ 5,200
SAFETY ORIENTATION MATERIALS	5	LOT	-	-	10,000.00	50,000	-	-	\$ 10,000.00	\$ 50,000
SAFETY EQUIPMENT AND CONSUMABLES	20	MO	1,000.00	20,000	-	-	-	-	\$ 1,000.00	\$ 20,000
SAFETY SIGNAGE	20	MO	500.00	10,000	-	-	-	-	\$ 500.00	\$ 10,000
CRAFT SAFETY AWARDS + INCENTIVES	20	MO	1,000.00	20,000	-	-	-	-	\$ 1,000.00	\$ 20,000
SAFETY EVENTS (CRAFT APPRECIATION)	2	EA	10,000.00	20,000	-	-	-	-	\$ 10,000.00	\$ 20,000
FIRST AID CABINETS	18	EA	300.00	5,400	-	-	-	-	\$ 300.00	\$ 5,400
FIRST AID SUPPLIES	20	MO	250.00	5,000	-	-	-	-	\$ 250.00	\$ 5,000
FIRE EXTINGUISHERS (1 EA / 300SF) (PHASED)	18	EA	75.00	1,350	-	-	-	-	\$ 75.00	\$ 1,350
FIRE EXTINGUISHER MAINTENANCE	20	MO	-	-	250.00	5,000	250.00	5,000	\$ 500.00	\$ 10,000
FIRE EXTINGUISHER RE-CERTIFICATION	18	EA	-	-	2,500.00	45,000	500.00	9,000	\$ 3,000.00	\$ 54,000
MOVABLE BARRICADES (BIKE RACKS & ACCORDIAN)	100	EA	300.00	30,000	-	-	-	-	\$ 300.00	\$ 30,000
<b>SECURITY AND BADGING</b>										<b>\$ -</b>
SECURITY CAMERA COUD SERVICE / CELLULAR CONNECTION		MO	-	-	500.00	-	-	-	\$ 500.00	\$ -
<b>TEMPORARY CONSTRUCTION</b>										<b>\$ 279,400</b>
LADDERS	10	EA	500.00	5,000	-	-	-	-	\$ 500.00	\$ 5,000
SCAFFOLDING RENTAL	18	MO	-	-	10,000.00	180,000	-	-	\$ 10,000.00	\$ 180,000
STORAGE (CONEX) BOXES	2	EA	-	-	5,000.00	10,000	3,700.00	7,400	\$ 8,700.00	\$ 17,400
SHADE/LUNCH SHELTER	2	EA	-	-	5,000.00	10,000	-	-	\$ 5,000.00	\$ 10,000
PROJECT SIGN		EA	800.00	-	150.00	-	300.00	-	\$ 1,250.00	\$ -
MISC. JOBSITE SIGNS	20	MO	400.00	8,000	150.00	3,000	300.00	6,000	\$ 850.00	\$ 17,000
PORTABLE TOILETS (cleaned 3x per week)	20	MO	-	-	2,000.00	40,000	-	-	\$ 2,000.00	\$ 40,000
HAND WASH STATIONS (cleaned 3x per week)	20	MO	-	-	-	-	-	-	\$ -	\$ -
CONSTRUCTION WATER USAGE COST (METER RENTAL ONLY)	20	MO	-	-	500.00	10,000	-	-	\$ 500.00	\$ 10,000
CONSTRUCTION POWER USAGE COST (W/OWNER LEASE)	0	MO	-	-	-	-	-	-	\$ -	By Owner
<b>SWPPP IMPLEMENTATION</b>										<b>\$ 176,670</b>
SWPP PLAN - DEVELOPMENT AND PERMIT	2	LS	-	-	10,000.00	20,000	-	-	\$ 10,000.00	\$ 20,000
PERIMETER SWPPP MEASURES	5000	LF	3.00	15,000	-	-	3.00	15,000	\$ 6.00	\$ 30,000
PERIMETER SAND BAGS	5000	LF	2.00	10,000	-	-	0.75	3,750	\$ 2.75	\$ 13,750
INLET FABRIC AND SAND BAGS	20	EACH	200.00	4,000	-	-	60.00	1,200	\$ 260.00	\$ 5,200
EXIT ROCK / RATTLE PLATES	2	EACH	15,000.00	30,000	500.00	1,000	1,000.00	2,000	\$ 16,500.00	\$ 33,000
SWPP MAINTENANCE - 2 HR/WEEK	79	MO	300.00	23,700	-	-	580.00	45,820	\$ 880.00	\$ 69,520
HPCC EMPLOYEE CERTIFICATION	4	EACH	-	-	1,000.00	4,000	300.00	1,200	\$ 1,300.00	\$ 5,200
<b>QUALITY CONTROL AND INSPECTION</b>										<b>\$ 335,350</b>
QC REFERENCE DOCUMENTS / EQUIPMENT	20	MO	80.00	1,600	150.00	3,000	-	-	\$ 230.00	\$ 4,600
QC TESTING		LS	-	-	-	-	-	-	\$ -	By Owner
SLAB MOISTURE TESTING	4	EA	-	-	250.00	1,000	-	-	\$ 250.00	\$ 1,000
EXTERIOR CLOSURE WEATHER TESTING	2	EA	-	-	5,000.00	10,000	-	-	\$ 5,000.00	\$ 10,000
HAZMAT TESTING & INSPECTIONS	50	EA	3,000.00	150,000	-	-	-	-	\$ 3,000.00	\$ 150,000
HAZMAT SURVEY	1	LS	-	-	50,000.00	50,000	-	-	\$ 50,000.00	\$ 50,000
PRECONSTRUCT PHOTO SURVEY	2	LS	-	-	5,000.00	10,000	-	-	\$ 5,000.00	\$ 10,000
TESTING & INSPECTION		LS	-	-	-	-	-	-	\$ -	By Owner
ENVELOPE CONSULTANT		LS	-	-	-	-	-	-	\$ -	By Owner
QUALITY CONTROL PROGRAM	79	MO	-	-	250.00	19,750	-	-	\$ 250.00	\$ 19,750
ENGINEERING JUDGMENTS AND UL CERTIFICATIONS	18	EA	-	-	5,000.00	90,000	-	-	\$ 5,000.00	\$ 90,000
<b>TEMPORARY BUILDING PROTECTION AND CLIMATE CONTROL</b>										<b>\$ 331,625</b>
ROOF PROTECTION	5000	SQFT	5.00	25,000	-	-	5.00	25,000	\$ 10.00	\$ 50,000
FLOOR PROTECTION	40000	SQFT	3.50	140,000	-	-	1.50	60,000	\$ 5.00	\$ 200,000
DOOR PROTECTION	25	EACH	30.00	750	-	-	35.00	875	\$ 65.00	\$ 1,625
WALL PROTECTION	40000	SQFT	1.00	40,000	-	-	1.00	40,000	\$ 2.00	\$ 80,000
<b>HOISTING</b>										<b>\$ 144,000</b>
FORKLIFT - OPERATED - LAYDOWN AREA	20	MO	600.00	12,000	3,000.00	60,000	-	-	\$ 3,600.00	\$ 72,000
FORKLIFT - OPERATED - SITE NIGHT SHIFT OPERATOR	20	MO	600.00	12,000	3,000.00	60,000	-	-	\$ 3,600.00	\$ 72,000

GENERAL CONDITIONS AND GENERAL REQUIREMENTS

July 2021 thru January 2028 GC/GR's (79 Months)

Construction: 69 Months

Total Construction & Precon: 83 Months

LAWA T4 Baggage Handling System Upgrades

	QUANTITY	UNIT	MATERIAL		EQUIP./SUBS.		LABOR		Unit Price	TOTAL
			\$/UNIT	AMOUNT	\$/UNIT	AMOUNT	\$/UNIT	AMOUNT		
<b>VEHICLES AND EQUIPMENT</b>										<b>\$ 342,000</b>
JOB PICKUP TRUCK	20	MO	300.00	6,000	550.00	11,000			\$ 850.00	\$ 17,000
LIGHT PLANTS	20	MO	250.00	5,000	400.00	8,000	150.00	3,000	\$ 800.00	\$ 16,000
COMPRESSOR / TOOLS	20	MO	-	-	1,500.00	30,000	-	-	\$ 1,500.00	\$ 30,000
TRAILER FUEL FOR EQUIPMENT	10	MO	-	-	2,000.00	20,000	-	-	\$ 2,000.00	\$ 20,000
JOBSITE VAN	20	MO	-	-	700.00	14,000	-	-	\$ 700.00	\$ 14,000
2 TON TRUCK	10	MO	-	-	700.00	7,000	-	-	\$ 700.00	\$ 7,000
OFFSITE FREIGHT SERVICE / HAULING	48	MO	-	-	1,000.00	48,000	-	-	\$ 1,000.00	\$ 48,000
GENERAL REPAIRS & MAINTENANCE	20	MO	-	-	1,000.00	20,000	-	-	\$ 1,000.00	\$ 20,000
SMALL TOOLS	20	MO	-	-	5,500.00	110,000	-	-	\$ 5,500.00	\$ 110,000
MISC EQUIPMENT RENTAL	20	MO	-	-	3,000.00	60,000	-	-	\$ 3,000.00	\$ 60,000
<b>TOTAL</b>										
<b>TOTAL GCs + GRs</b>				<b>\$ 856,150</b>		<b>\$ 3,591,915</b>		<b>\$ 21,677,482</b>		<b>\$ 26,125,547</b>
<b>TOTAL - General Requirements</b>				<b>\$ 599,800</b>		<b>\$ 2,164,800</b>		<b>\$ 225,245</b>		<b>\$ 2,989,845</b>
<b>TOTAL - General Conditions</b>				<b>\$ 256,350</b>		<b>\$ 1,427,115</b>		<b>\$ 21,452,237</b>		<b>\$ 23,135,702</b>
<b>GC+GR Total \$ 26,125,547</b>										



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# Design Fees



LAX T4/S BHS Design Build Fees  
8/12/2021

Company	Services Provided	Duration	Assumed Hours	Rate	Fees	Notes
Cage	MEC & CR Design Coordination	July 2021 through December 2021 (6 months)	0	\$ -	\$ 41,435.88	
	Peer Review MEC	July 2021 through December 2021 (6 months)	0	\$ -	\$ 78,603.50	
	Peer Review Main BHS	January 2022 through December 2022 (12 months)	0	\$ -	\$ 103,628.19	
	GA Site Management/Coordination	July 2021 through December 2021 (78 months)	0	\$ -	\$ 1,179,010.89	
	Weekly BHS Meeting	July 2021 through June 2022 (52 Weeks)	0	\$ -	\$ 40,851.80	
	Monthly BHS Meeting	July 2022 through December 2022 (66 months)	0	\$ -	\$ 51,714.24	
	Expenses	July 2022 through December 2022 (66 months)			\$ 206,448.00	
	Manual Encode and Control Room Further Developm	April 19 through August 15	400	\$ 180.00	\$ 72,000.00	Further development of enabling work until DB is online
	Cost to date				\$ 225,000.00	
	Addenda Drawings	March 19 through April 16	440	\$ 172.92	\$ 76,084.80	
					\$ 2,074,777.30	
	PGAL	Management	June 2021 through December 2022 (66 months)	300	\$ 230.00	\$ 69,000.00
LAWA and DB Catch-up		July 19 through January 25 (10 months)	500	\$ 200.00	\$ 100,000.00	Assumed time to orient and educate new team members
BHS related development drawings to 90%		April 19 through May 30			\$ 100,000.00	
BHS related development drawings to 90%		June 1 through August 15			\$ 100,000.00	
BHS related development drawings to 100%		August 15 through January 25			\$ 75,000.00	
Weekly BHS Meeting		July 2021 through June 2022 (52 Weeks)	360	\$ 200.00	\$ 72,000.00	
Monthly BHS Meeting		July 2022 through December 2022 (66 months)	450	\$ 200.00	\$ 90,000.00	
BHS DB Changes					\$ 250,000.00	Assumed Changes to 90% Drawings
Cost to date					\$ 300,000.00	
Construction Administration					\$ 40,000.00	
Permitting					\$ 10,000.00	Permitting of enabling package
					\$ 1,306,000.00	
Saiful Bouquet	BHS related development drawings to 90%	April 19 through May 30			\$ 25,000.00	
	BHS related development drawings to 90%	June 1 through August 15			\$ 25,000.00	
	BHS related development drawings to 100%	August 15 through January 25			\$ 40,000.00	
	Construction Administration				\$ 50,000.00	Assumed Changes to 90% Drawings
	BHS DB Changes				\$ 50,000.00	
	Cost to date				\$ 190,000.00	
PBS	BHS related development drawings to 90%	April 19 through May 30			\$ 15,000.00	
	BHS related development drawings to 90%	June 1 through August 15			\$ 15,000.00	
	BHS related development drawings to 100%	August 15 through January 25			\$ 30,000.00	
	Construction Administration				\$ 50,000.00	Assumed Changes to 90% Drawings
	BHS DB Changes				\$ 30,000.00	
	Cost to date				\$ 140,000.00	
Burns & McDonnell	BHS related development drawings to 90%	April 19 through August 15			\$ -	
	BHS related development drawings to 100%	August 15 through January 25			\$ -	
	Construction Administration				\$ 10,000.00	
	BHS DB Changes				\$ -	
	Cost to date				\$ 20,000.00	
Moye	BHS related development drawings to 90%	April 19 through May 30			\$ 10,000.00	
	BHS related development drawings to 90%	June 1 through August 15			\$ 10,000.00	
	BHS related development drawings to 100%	August 15 through January 25			\$ -	
	Construction Administration				\$ 10,000.00	
	BHS DB Changes				\$ 15,000.00	
	Cost to date				\$ 45,000.00	
AERO	BHS related development drawings to 90%	April 19 through August 15			\$ -	
	BHS related development drawings to 100%	August 15 through January 25			\$ -	
	Construction Administration				\$ -	
	BHS DB Changes				\$ -	
	Cost to date				\$ 15,000.00	
NVS	BHS related development drawings to 90%	April 19 through May 30			\$ 5,000.00	
	BHS related development drawings to 90%	June 1 through August 15			\$ 5,000.00	
	BHS related development drawings to 100%	August 15 through January 25			\$ -	
	Construction Administration				\$ 5,000.00	
	BHS DB Changes				\$ -	
	Cost to date				\$ 10,000.00	
				\$ 25,000.00		

NTP No. 1	NTP No. 2	NTP No. 3	Gray List
\$ 41,435.88	\$ 78,603.50	\$ 103,628.19	\$ 997,624.60
\$ 20,000.00	\$ 20,851.80	\$ 51,714.24	\$ 186,448.00
\$ 10,000.00	\$ 10,000.00	\$ 186,448.00	\$ 72,000.00
			\$ 225,000.00
			\$ 76,084.80
\$ 71,435.88	\$ 290,841.59	\$ 341,790.43	\$ 1,370,709.40
\$ 5,000.00	\$ 5,000.00	\$ 59,000.00	
\$ 100,000.00		\$ 100,000.00	\$ 100,000.00
\$ 40,000.00	\$ 60,000.00	\$ 75,000.00	
\$ 15,000.00	\$ 15,000.00	\$ 42,000.00	\$ 90,000.00
	\$ 250,000.00		\$ 300,000.00
		\$ 40,000.00	\$ 10,000.00
\$ 160,000.00	\$ 405,000.00	\$ 231,000.00	\$ 410,000.00
\$ -	\$ -	\$ -	\$ 25,000.00
\$ 10,000.00	\$ 15,000.00	\$ -	\$ 25,000.00
	\$ -	\$ 40,000.00	
	\$ 50,000.00	\$ -	\$ 50,000.00
\$ 10,000.00	\$ 85,000.00	\$ 40,000.00	\$ 75,000.00
\$ -	\$ 9,000.00	\$ -	\$ 15,000.00
\$ 6,000.00	\$ 9,000.00	\$ -	\$ 30,000.00
	\$ 50,000.00	\$ -	\$ 30,000.00
\$ 6,000.00	\$ 59,000.00	\$ 30,000.00	\$ 45,000.00
\$ -	\$ -	\$ 10,000.00	\$ 20,000.00
\$ -	\$ 4,000.00	\$ 6,000.00	\$ 10,000.00
		\$ 10,000.00	
		\$ -	\$ 15,000.00
\$ 4,000.00	\$ 6,000.00	\$ 10,000.00	\$ 15,000.00
\$ -	\$ -	\$ -	\$ 15,000.00
\$ -	\$ 3,000.00	\$ -	\$ 5,000.00
		\$ 5,000.00	
		\$ -	\$ 10,000.00
\$ 2,000.00	\$ 3,000.00	\$ 5,000.00	\$ 15,000.00
\$ 253,435.88	\$ 828,841.59	\$ 667,790.43	\$ 1,975,709.40

Totals	
Work Not Yet Performed	\$ 2,523,692.50
Work Partially Complete	\$ 224,000.00
Work Already Complete	\$ 978,084.80
	\$ 3,725,777.30 Check Total
(CAGE BHS Design 30% to 100) Gray List	\$ 1,370,709.40
(PGAL BHS Design 30% to 100) Gray List	\$ 605,000.00
Manual Encode	\$ 253,435.88
Complete Design	\$ 828,841.59
T3 Ticketing Belt	\$ 667,790.43
FGAMP	\$ 1,975,709.40
Gray List	\$ 1,975,709.40
Total	\$ 3,725,777.30



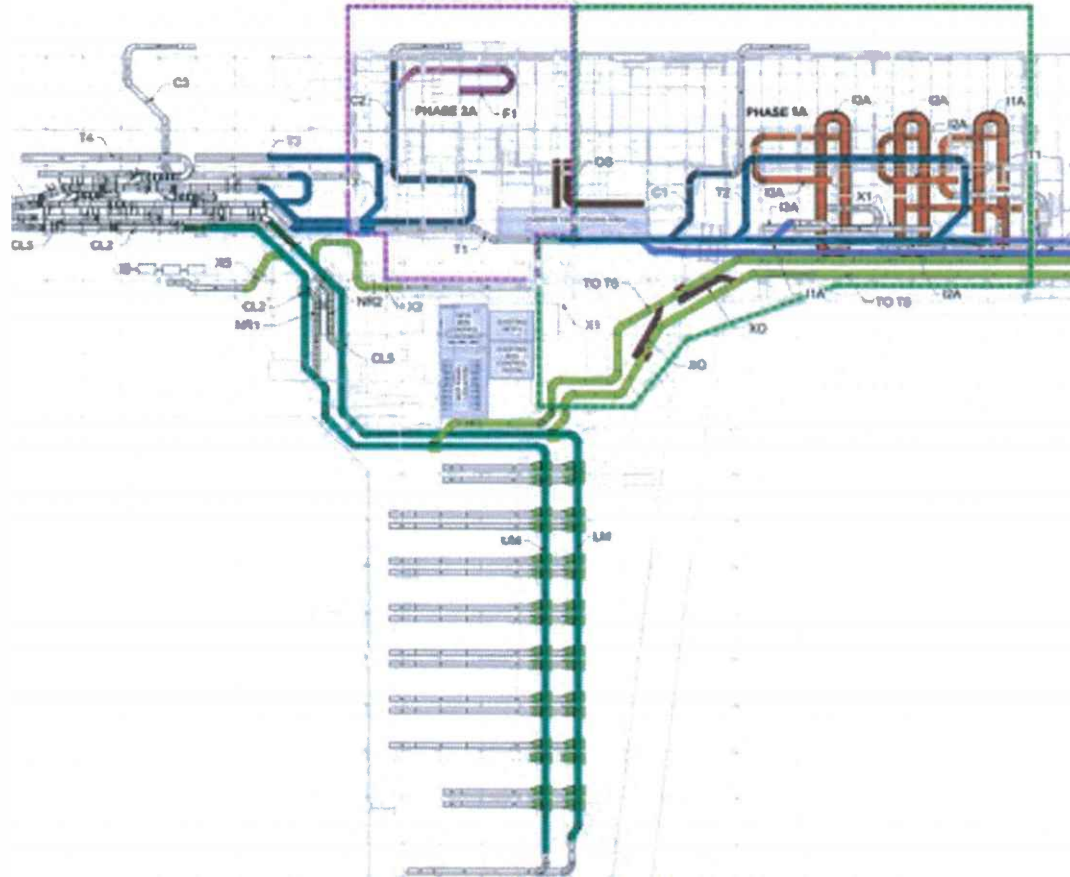
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# Schedule

### TERMINAL 4 BHS SUMMARY SCHEDULE

ACTIVITY	2021				2022				2023				2024				2025				2026				2027				2028							
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2						
BHS Summary Schedule		Design			ME Reloc.		T3				E. HH					T1 / X2					C. HH										T5 Transfer					
									Pier Phasing																		Sat. Piers									





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# **T4 BHS FGMP Exhibit #1 - LAWA Principles and Criteria January 29, 2021**



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**T4 BHS FGMP Exhibit #2  
T4 BHS Gray List w/  
Rollout Document Scope  
Assesment Dated  
03.19.2021**

### American Airlines - Allocation Options

1/7/2022	Status Key: <span style="background-color: #c6e0b4; padding: 2px;">A - Agreed - AA and LAWA are in agreement on responsibility</span> <span style="background-color: #d9534f; padding: 2px;">P - Pending - AA and LAWA are not in agreement on responsibility</span>	210304 BHS Budget 60% QC 210421 BHS Budget 60% Progress Set	American Airlines <b>T4 BHS</b> Los Angeles International Airport
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Item	DESCRIPTION	Trend	Value Eng	STATUS	Responsibility		
					Per LAWA	per AA	
					LAWA Comments	AA Comments	
<u>1</u>	NEW BHS IT ROOM. NEW BHS CONTROL ROOM. NEW MOTOR CONTROL PANEL ROOM (Reference Sheet A02-122-4B Pg. 7, 11, and 12 of 21)	0	0	A	BHS		BHS
<u>2</u>	NEW BHS CANOPY UNDER EVALUATION, REF STRUCTURAL COMMENTS (Reference Sheet A02-125-4E Pg.8, 13, 14 of 21)	360,762		A	BHS	LAWA to challenge design team for alternate options.	BHS
<u>3</u>	NEW CANOPY FOR BHS SORTATION MAIN LINE BELTS (Reference Sheet A02-135-4E Pg.9 and 15, 16, and 17 of 21)	714,792		A	BHS	LAWA to challenge design team for alternate options.	BHS
<u>4</u>	LIGHTING AND CONVENIENCE RECEPTACLES AT ALL CATWALK AREAS (Reference Sheet BH02-202-4E,B,C, and 5A; BH02-222-4B Pg, 20 and 21 of 21)	845,311		A	BHS	LAWA is to review necessity with designer.	Require BHS Project scope for BHS operations and maintenance. Manual encoders cannot work in the dark. Baggage jam runners need illuminated work areas to perform job functions. Mechanics need a reliable source of lighting and power for major repair tasks and having lighting will make routine aid in the performance of routine preventative and emergency maintenance.
<u>5</u>	Cameras for bhs maintenance provided/required by baggage designer	452,532		A	BHS		BHS
<u>6</u>	HVAC for BHS Control Room	0		A	BHS		BHS
<u>7</u>	RIGHT OF WAY FOR FUTURE BAG LIFTS (Reference Sheet A02-123-4C (PG. 3 of 21)	431,555		A	AA	Design is not complete, all BHS coordination going forward within new facilities is expected to be in program scope, within reason.	Bag Drop ROW as per 60% preserved, any changes are not in scope. <span style="color: red;">Changes by BHS.</span>
<u>8</u>	NEW 2 HR EXIT PASSAGEWAY 7'-6" CLEAR BELOW OVERHEAD BELTS (Reference Sheet A02-122-4B Pg. 7 of 21)	0		A	BHS	North Concourse code issue, fix work being triggered by BHS scope in north concourse	Egress from existing exit stair
<u>9</u>	BHS Design - Cage 30% - 100% and CA for New and Existing Areas	1,881,069		A	BHS		BHS
<u>10</u>	PGAL BHS related Building Design 30% -100% and CA - Existing Bldg	986,940		A	BHS		BHS



### American Airlines - Allocation Options

1/7/2022	Status Key: <span style="background-color: #d9ead3; padding: 2px;">A - Agreed - AA and LAWA are in agreement on responsibility</span> <span style="background-color: #f4cccc; padding: 2px;">P - Pending - AA and LAWA are not in agreement on responsibility</span>	210304 BHS Budget 60% QC 210421 BHS Budget 60% Progress Set	American Airlines <b>T4 BHS</b> Los Angeles International Airport
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Item	DESCRIPTION	Trend	Value Eng	STATUS	Responsibility	
					Per LAWA	per AA
					LAWA Comments	AA Comments
<a href="#">11</a>	PGAL BHS related Building Design 30% -100% and CA - New Bldg	0		A	AA LAWA is requesting letter of change order request from PGAL for this design scope for consideration.  5.7.21: 1. design effort for scope that is allocated per this spreadsheet is also allocable 2. AA / LAWA / HP need to have meeting on design effort going forward	AA 5.14.21: AA in agreement
<a href="#">12</a>	MODIFICATION TO T4 EXIT STAIR FOR A13 BELT EXTENSION. (Reference Sheet A02-123-4C (PG. 3 of 21)	287,216		A	AA / BHS New facility ROW baggage scope is program cost.  5.7.21: 1. is I3A line extension required? What is the cost of this change? Is it worth the additional cost of the line extension? 2. staircase is a ROW in existing facility issue, not cover for a BHS system (is the 4.5 core considered existing or new construction?)  6.9.21: ROW should remain in AA program, BHS conveyor would be LAWA, AA to review	AA / BHS T4.5 Core Stair modification to accommodate longer load belt for cart staging has been carried as BHS Project scope  5.14.21: 1. AA has reviewed with their ops and they have insisted it is of great value. Noted current length is just enough space for 1 cart. AA / HP to look into cost. Noted this work would have to be done after the east HH is opened. 2. discussion to be held offline  6.11.21: Email from D. Stolt: AA is continuing with the stair extension to support the I3A inbound conveyor extension as a AA T4/T5 MP cost.  It is understood that the LAWA BHS Project will extend the I3A conveyor as a LAWA BHS Project cost
<a href="#">13</a>	EXISTING SLAB DEPRESSIONS AND INFILL UNDER EVALUATION. POSSIBLE MODIFICATION TO OPENINGS FOR NEW INBOUND DECLINE BELTS ( Reference Sheet S02-123-4C Pg. 4 of 21)	19,525		A	AA New facility ROW baggage scope is program cost.	AA BHS floor opening framing is BHS Project scope  5.3.21 (DS Email): Modification to new build – Concur part of AA new build. Request to perform under BHS is withdrawn.



## American Airlines - Allocation Options

1/7/2022	Status Key: <span style="background-color: #c8e6c9; padding: 2px;">A - Agreed - AA and LAWA are in agreement on responsibility</span> <span style="background-color: #ffcdd2; padding: 2px;">P - Pending - AA and LAWA are not in agreement on responsibility</span>	210304 BHS Budget 60% QC 210421 BHS Budget 60% Progress Set	American Airlines <b>T4 BHS</b> Los Angeles International Airport
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Item	DESCRIPTION	Trend	Value Eng	STATUS	Responsibility		
					Per LAWA	per AA	
					LAWA Comments	AA Comments	
<a href="#">1</a>	RIGHT OF WAY FOR FUTURE BAG LIFTS (Reference Sheet A02-123-4C (PG. 3 of 21))	431,555		A	AA	Design is not complete, all BHS coordination going forward within new facilities is expected to be in program scope, within reason.	Bag Drop ROW as per 60% preserved, any changes are not in scope. <b>Changes by BHS.</b>
<a href="#">14</a>	MODIFICATION TO EXISTING SLAB EDGE FOR LOADING BELTS OPERATION CLEARANCE ( Reference Sheet S02-123-4C Pg. 4 of 21)	50,000		A	BHS	New facility ROW baggage scope is program cost. <b>5.7.21: No updated response provided by AA</b>	BHS floor opening framing is BHS Project scope
<a href="#">15</a>	MODIFICATION TO EXISTING SHEAR WALL AT ARRIVALS ( Reference Sheet S02-122-4B Pg. 5 of 21)	55,000		A	BHS	Need further information from Design team to determine.  5.7.21: modification to existing shear wall, bhs cost	BHS wall openings by the BHS project. Will provide reasonable structural accommodations  <b>5.3.21: LAX BHS Addendum Drawing BH00-311-4B showing existing shear wall being impacted by the OS01-02 conveyor at column line 4R – BHS driven change to existing structure which was intended to remain</b>
<a href="#">16</a>	CURBSIDE SLAB OPENINGS UNDER EVALUATION, POSSIBLE MODIFICATIONS TO EXISTING ELEVATED ROADWAY STRUCTURE ( Reference Sheet S02-122-4B Pg. 6 of 21)	592,062		A	BHS	Need further information from Design team to determine. If it is a modification to existing for BHS conveyor it would be LAWA, if the modification is for new building construction then it would be AA.  <b>5.7.21: BHS modification to existing structure, LAWA to review with BHS team for a cost effective solution</b>	BHS floor opening or modification is by the BHS Project. Existing by BHS
<a href="#">17</a>	CURBSIDE SLAB OPENINGS UNDER EVALUATION, POSSIBLE MODIFICATIONS TO EXISTING ELEVATED ROADWAY STRUCTURE ( Reference Sheet S02-123-4C Pg. 6 of 21)	0		A	BHS	Need further information from Design team to determine. If it is a modification to existing for BHS conveyor it would be LAWA, if the modification is for new building construction then it would be AA.  <b>5.7.21: BHS modification to existing structure, LAWA to review with BHS team for a cost effective solution</b>	BHS floor opening or modification is by the BHS Project. Existing by BHS

### American Airlines - Allocation Options

1/7/2022	Status Key: <span style="background-color: #c8e6c9; padding: 2px;">A - Agreed - AA and LAWA are in agreement on responsibility</span> <span style="background-color: #ffcdd2; padding: 2px;">P - Pending - AA and LAWA are not in agreement on responsibility</span>	210304 BHS Budget 60% QC 210421 BHS Budget 60% Progress Set	American Airlines <b>T4 BHS</b> Los Angeles International Airport
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Item	DESCRIPTION	Trend	Value Eng	STATUS	Responsibility	
					Per LAWA	per AA
					LAWA Comments	AA Comments
<a href="#">18</a>	BHS Vehicle Protection	0		A	Depends on geographic limits of drip line/expansion joint.  Wall protection/column protection to be AA. Team to review where the baggage protection is shown in the drawings (if shown in BHS drawing -> BHS, if in architectural -> AA).  5.7.21: BHS equipment protection is in BHS drawings and will be BHS program's responsibility, wall/column/building protection in new facilities will be the responsibility of AA.	5.14.21: AA in agreement
<a href="#">19</a>	BHS sound isolation for adjacent occupied spaces	50,000		A	Depends on geographic limits of drip line/expansion joints.	Depends on geographic limits of drip line/expansion joints.
<a href="#">20</a>	DOGHOUSE (Reference Sheet A02-123-4C (PG. 3 of 21)	97,500		A	depends where the doghouse lies, if it is within new facility vs existing	All BHS doghouses in both existing and new building areas included in the BHS Project
<a href="#">21</a>	NEW TUNNEL BELOW VSR FOR OUTBOUND OS BELT ( Reference Sheet S02-122-4B Pg. 5 of 21)	1,100,075		A	Tunnel is located in footprint of new building construction.  LAWA reviewing history of design further.	Tunnel is solely for BHS and is BHS Project Work
<a href="#">22</a>	T5 Connector - MODIFICATION TO EXISTING BHS CANOPY, NEW BHS CANOPY UNDER EVALUATION (Reference Sheet A02-125-4E Pg. 18 and 19 of 21)	1,297,408		A	Modifications to existing BHS canopy is due to T5 Connector construction impacting existing, not due to BHS work.  Further review of scope required, potential split of how scope is divided due to impact vs extending canopy to cover new systems.  5.7.21: C. Kramer to call PGAL for better understanding  5.18.21: work is driven by BHS work largely, work to be BHS responsibility. Depending on timing potential demo work / relocation of existing canopies may need to be done by AA.	Existing building modifications are BHS Project work.
<a href="#">23</a>	ACAM type Security cameras for doors to baggage areas; specifically roll up doors for baggage conveyors	0		A	AA to provide functional facility	Door access control cameras specific to BHS openings should be BHS Project work

## American Airlines - Allocation Options

Item	DESCRIPTION	Trend	Value Eng	STATUS	Responsibility Per LAWA	LAWA Comments	Responsibility per AA	AA Comments	
1/7/2022 Status Key: A - Agreed - AA and LAWA are in agreement on responsibility P - Pending - AA and LAWA are not in agreement on responsibility					210304 BHS Budget 60% QC 210421 BHS Budget 60% Progress Set	American Airlines T4 BHS Los Angeles International Airport			
<a href="#">24</a>	Security and FA interface devices, cabling, conduit, power and programming for BHS doors and subsystems; specifically roll up doors for baggage conveyors	0		A	BHS	AA to provide functional facility	BHS	BHS interfaces should be part of the BHS Project	
<a href="#">25</a>	AA Staff and PMO Coordination with LAWA	0		A	AA		AA		
<a href="#">26</a>	BHS Project PM	0		A	BHS / AA	LAWA shall reimburse AA for a part time FTE for coordination.  Further discussion on % of time coordinator to charge to BHS program.	BHS / AA	Clarification: No costs for AA PM towards BHS, since all BHS PM is by LAWA  <b>5.6.21 (DS Email): Proposing ½ FTE allocated to LAWA BHS for coordination</b>	
<a href="#">27</a>	MEP modifications for BHS ROW in new build areas when coordinating without transitions is not feasible.	0		A	AA	New facility ROW baggage scope is program cost.	AA		
<a href="#">28</a>	All building work on ramp level of the North Portion of the T4 Concourse		\$0	A	BHS	Depends on geographic limits of drip line/expansion joints. Need further definition.	BHS	Only work in this area is to support the BHS. Specific items in this listing may not be all inclusive.	
<a href="#">29</a>	BHS related signage	10,000		A	BHS / AA	This is too broad, need further definition, signage specifically for back of house BHS is by BHS.	BHS	Back of house	
<a href="#">30</a>	COLUMNS TO SHIFT NORTH FOR EXPANSION JOINT COORDINATION. EXISTING TO REMAIN SLAB OVERHEAD TO SUPPORT BHS DURING HEADHOUSE PHASING(Reference Sheet S02-122-4B Pg. 5 of 21)	3,000,000		A	AA		AA	Columns will be coordinated as economically reasonable.	
<a href="#">31</a>	NEW MANUAL ENCODE PLATFORM ACCESS LIFT UNDER EVALUATION (Reference Sheet A02-122-4B Pg. 7 of 21)	125,000		A	BHS	If required	BHS	Required by LADBS per PGAL	
<a href="#">32</a>	AREA CLEAR FOR NEW MANUAL ENCODE POSITION (Reference Sheet A02-122-4B Pg. 7 of 21)	inc		A	BHS		BHS		
<a href="#">33</a>	MODIFICATION TO EXISTING ENVELOPE FOR BELT ROW (Reference Sheet A02-125-4E Pg.8 of 21)	inc		A	BHS	LAWA to challenge design team.	BHS		
<a href="#">34</a>	EXISTING BAG CHUTE UNDER EVALUATION FOR GATE 401 (Reference Sheet A02-125-4E Pg.8 of 21)	200,000		A	BHS	If needed.	BHS	If the BHS design requires the modification of an existing building bag chute at the Northern Portion of the T4 prject this should be BHS project work. The T4 DTIP is not modifying existing T4 bag chutes in the northern section of trhe concourse.	
<a href="#">35</a>	NEW DISTRIBUTION PANELS FOR BHS MOTOR CONTROL ROOM (Reference Sheet EP02-122-4B Pg. 10 of 21)	inc		A	BHS		BHS		

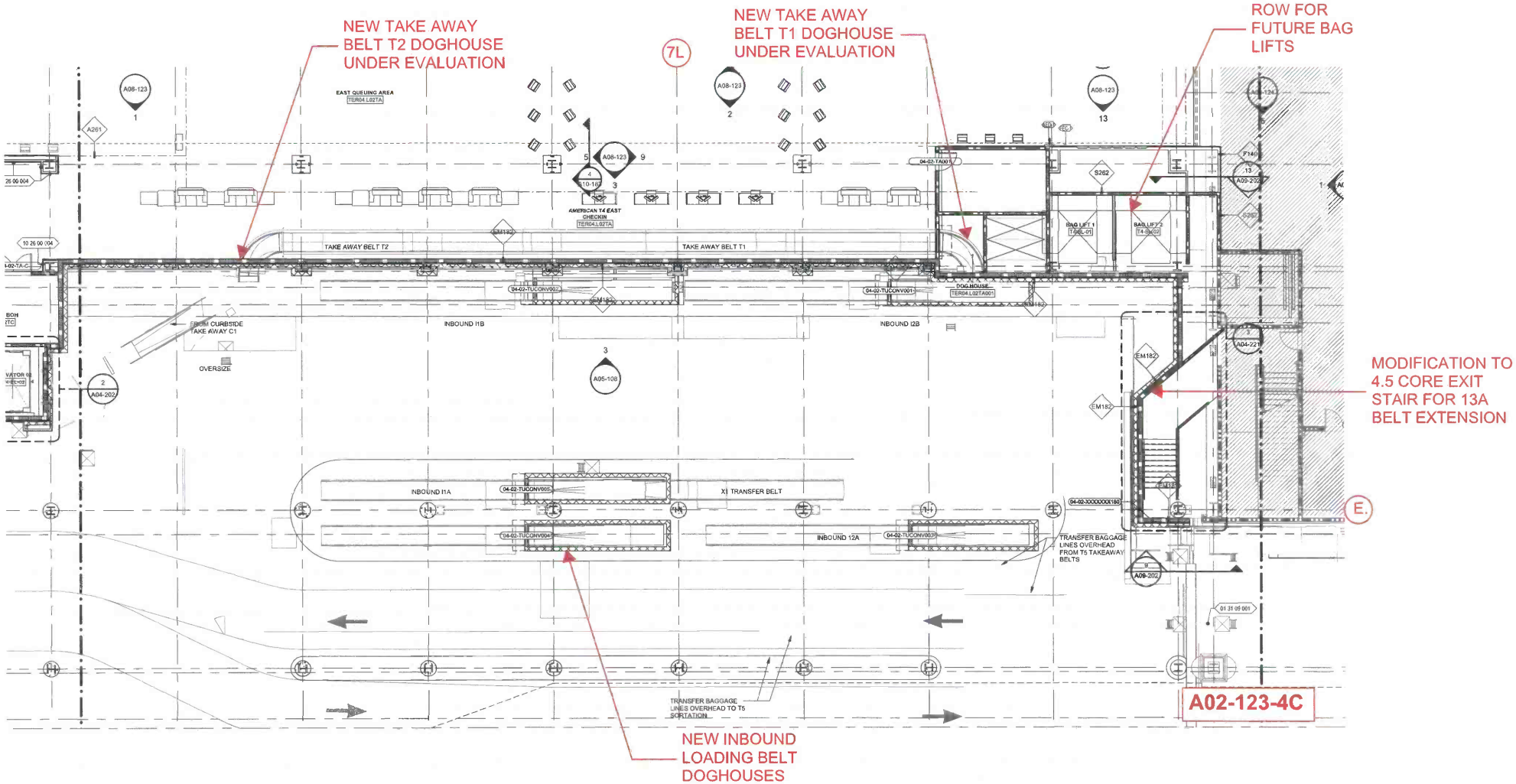
### American Airlines - Allocation Options

1/7/2022	Status Key: <span style="background-color: #c8e6c9; padding: 2px;">A - Agreed - AA and LAWA are in agreement on responsibility</span> <span style="background-color: #ffcdd2; padding: 2px;">P - Pending - AA and LAWA are not in agreement on responsibility</span>	210304 BHS Budget 60% QC 210421 BHS Budget 60% Progress Set	American Airlines <b>T4 BHS</b> Los Angeles International Airport
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Item	DESCRIPTION	Trend	Value Eng	STATUS	Responsibility		
					Per LAWA	per AA	
					LAWA Comments	AA Comments	
<a href="#">36</a>	EXISTING NON BHS DISTRIBUTION PANELS RELOCATED FOR MANUAL ENCODE CLEARANCE (Reference Sheet EP02-122-4B Pg, 10 of 21)	inc		A	BHS		
<a href="#">37</a>	EXISTING BHS DISTRIBUTION PANEL RELOCATION UNDER EVALUATION (Reference Sheet EP02-122-4B Pg, 10 of 21)			A	BHS		Should be LAWA BHS Project work if required by the BHS design
<a href="#">38</a>	EXISTING DUCTS UNDER EVALUATION TO PROVIDE CLEARANCE FOR NEW MANUAL ENCODE POSITION MODIFICATION TO EXISTING FIS DUCT FOR MANUAL ENCODE PLATFORM (Reference Sheet M02-122-4B Pg, 12 of 21)	inc		A	BHS		
<a href="#">39</a>	Conduits and cabling for BHS load belt cameras	50,000		A	BHS	For non-proprietary bhs cameras.	Infrastructure common to all users. Infrastructure for cameras is non-proprietary.
<a href="#">40</a>	All building work required for the BHS installation at the existing West Headhouse	0		A	BHS	MEP/ROW work in existing facilities under BHS.	All BHS related building work, not just MEP.
<a href="#">41</a>	BHS network including all interfaces with AA fire wall including BPMs, BSMS and Boss. Provisions for email server and Brock maintenance remote access.	inc		A	BHS	Existing network to remain in use, required scope to bring new systems online is under BHS.	
<a href="#">42</a>	UPS for BHS Servers and Upper Level Controls	inc		A	BHS	Existing UPS to remain in use, relocation under BHS if required.	
<a href="#">43</a>	BHS power from building distribution power to PDPs	750,000		A	BHS	BHS cabling by BHS.	
<a href="#">44</a>	BHS structure vibration isolation	inc		A	BHS		
<b>Subtotal Change</b>		13,788,301					<b>\$0</b>

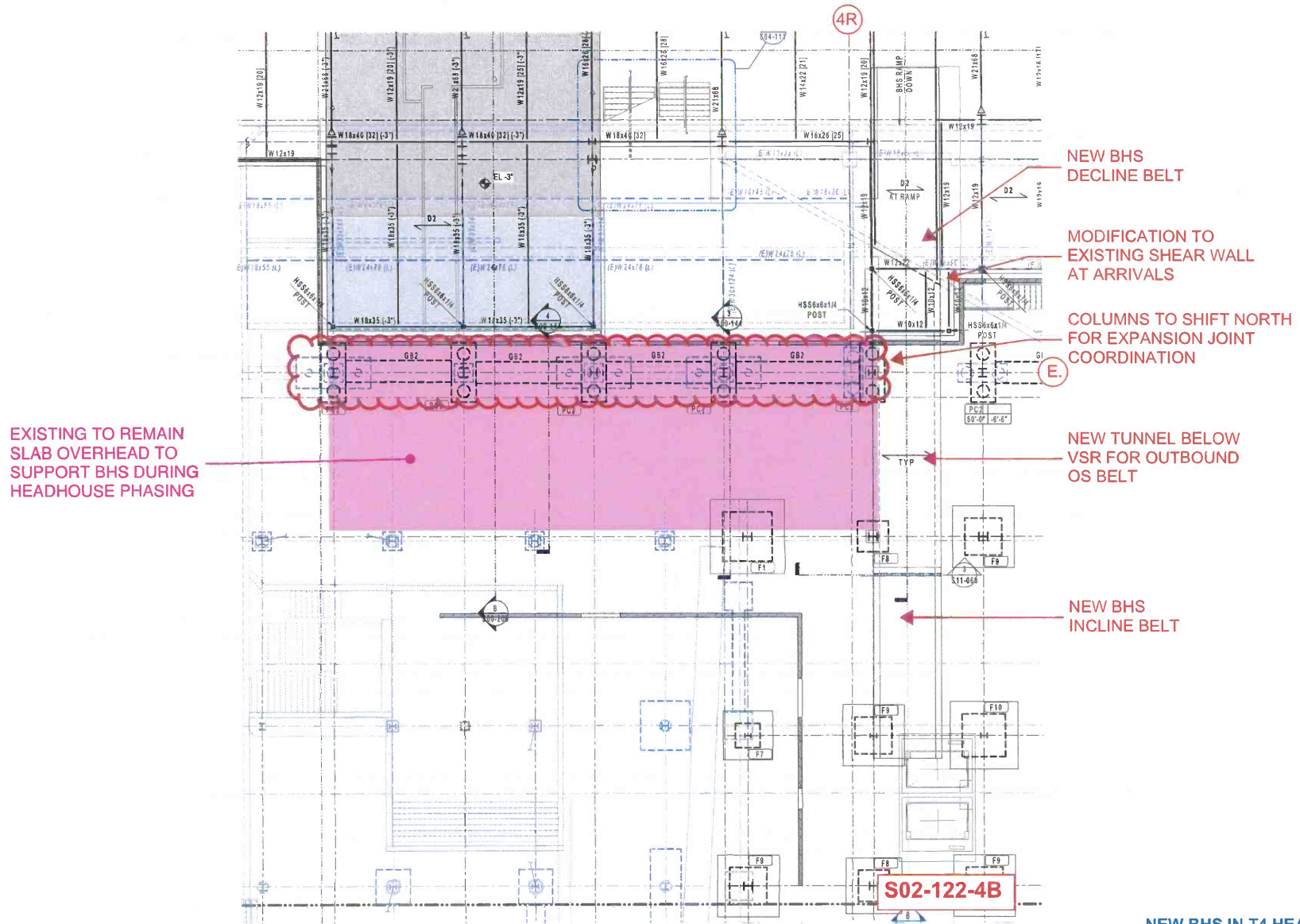
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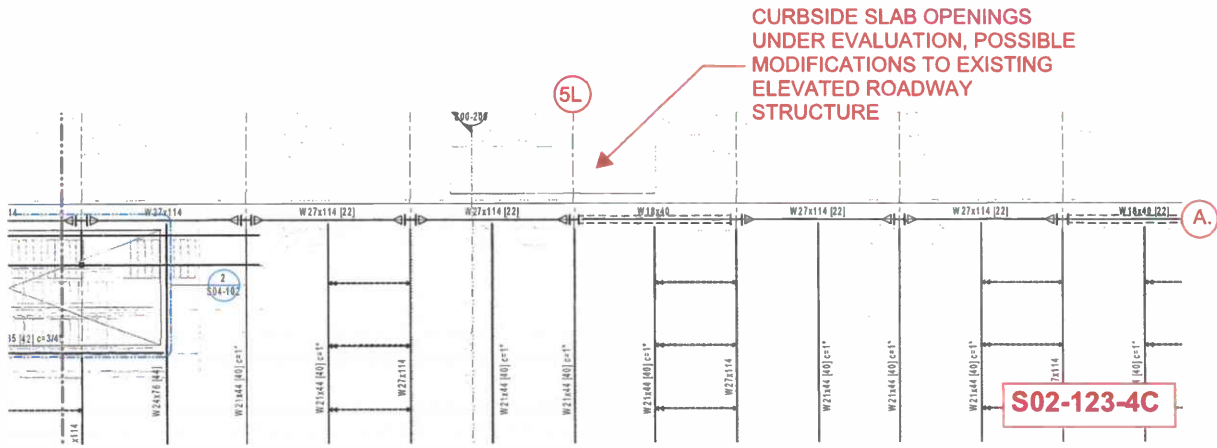
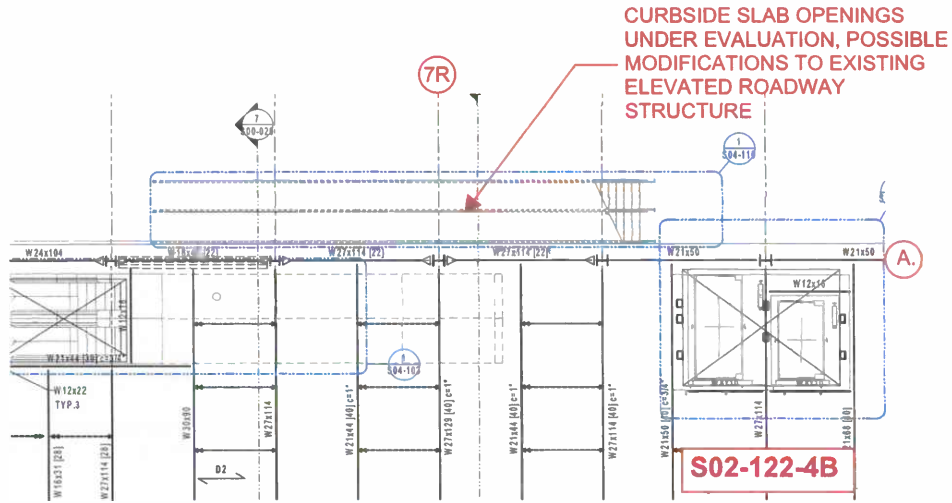
NEW BHS IN T4 HEADHOUSE REPLACEMENT

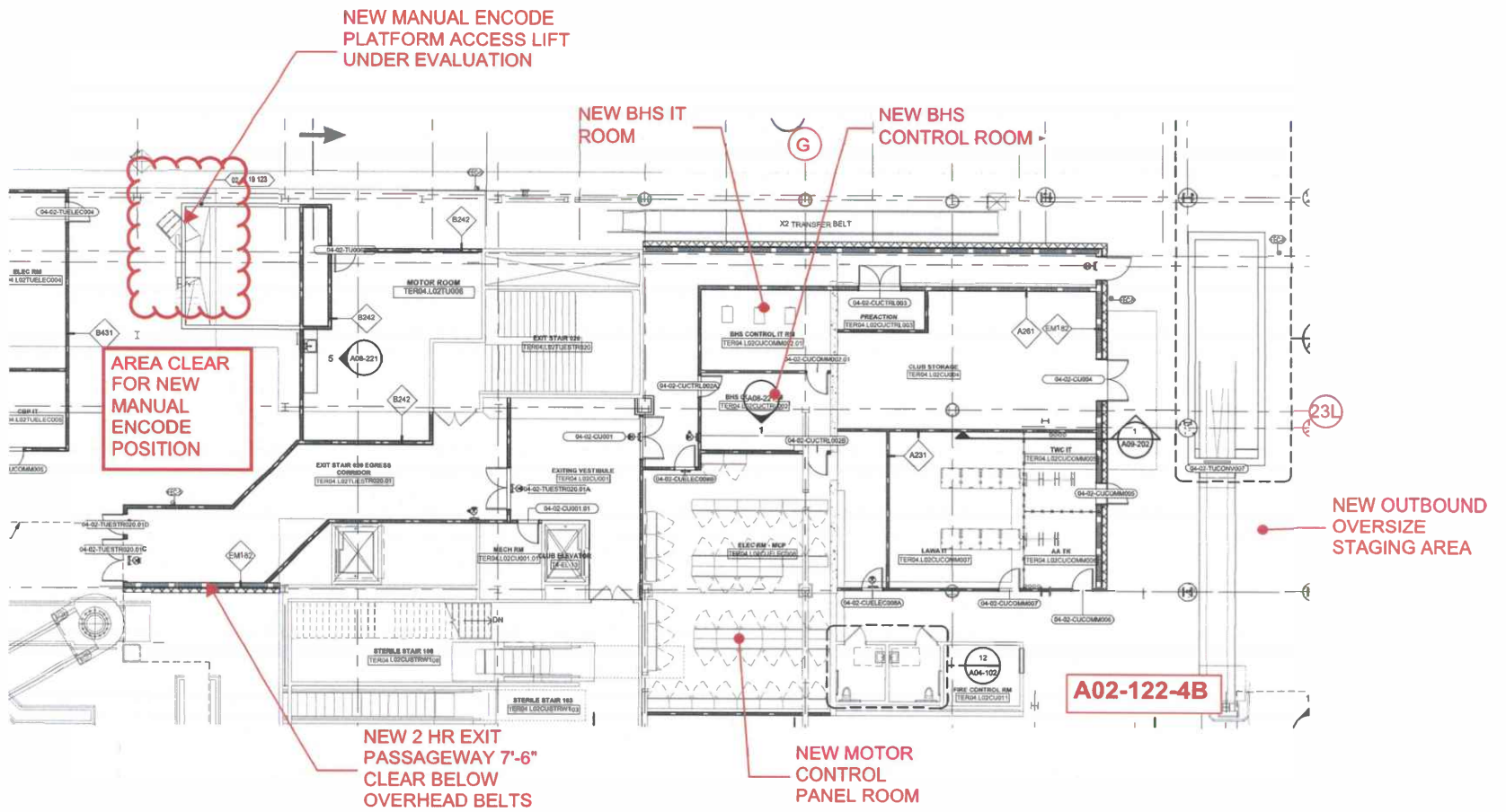




NEW BHS IN T4 HEADHOUSE REPLACEMENT

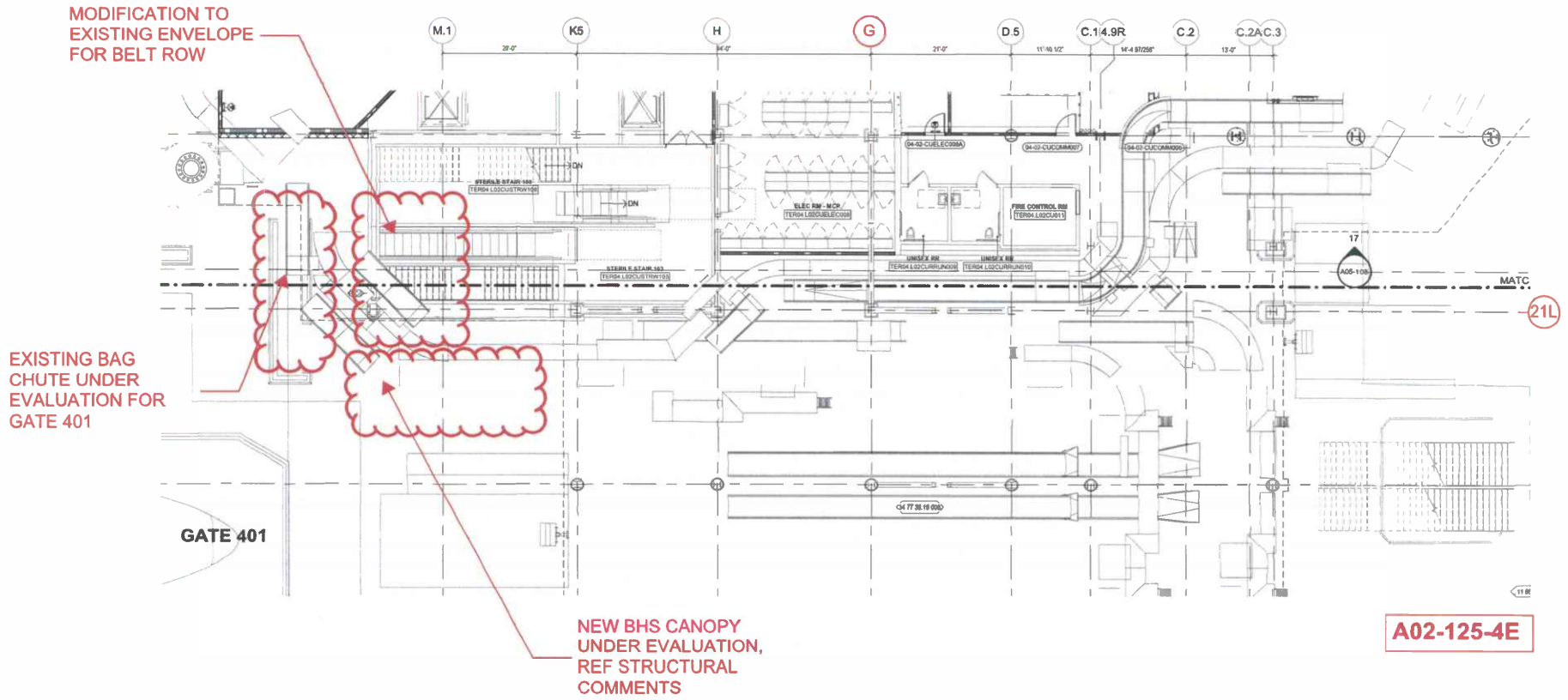






**A02-122-4B**

RELOCATED BHS COMPONENTS FROM EAST TO WEST

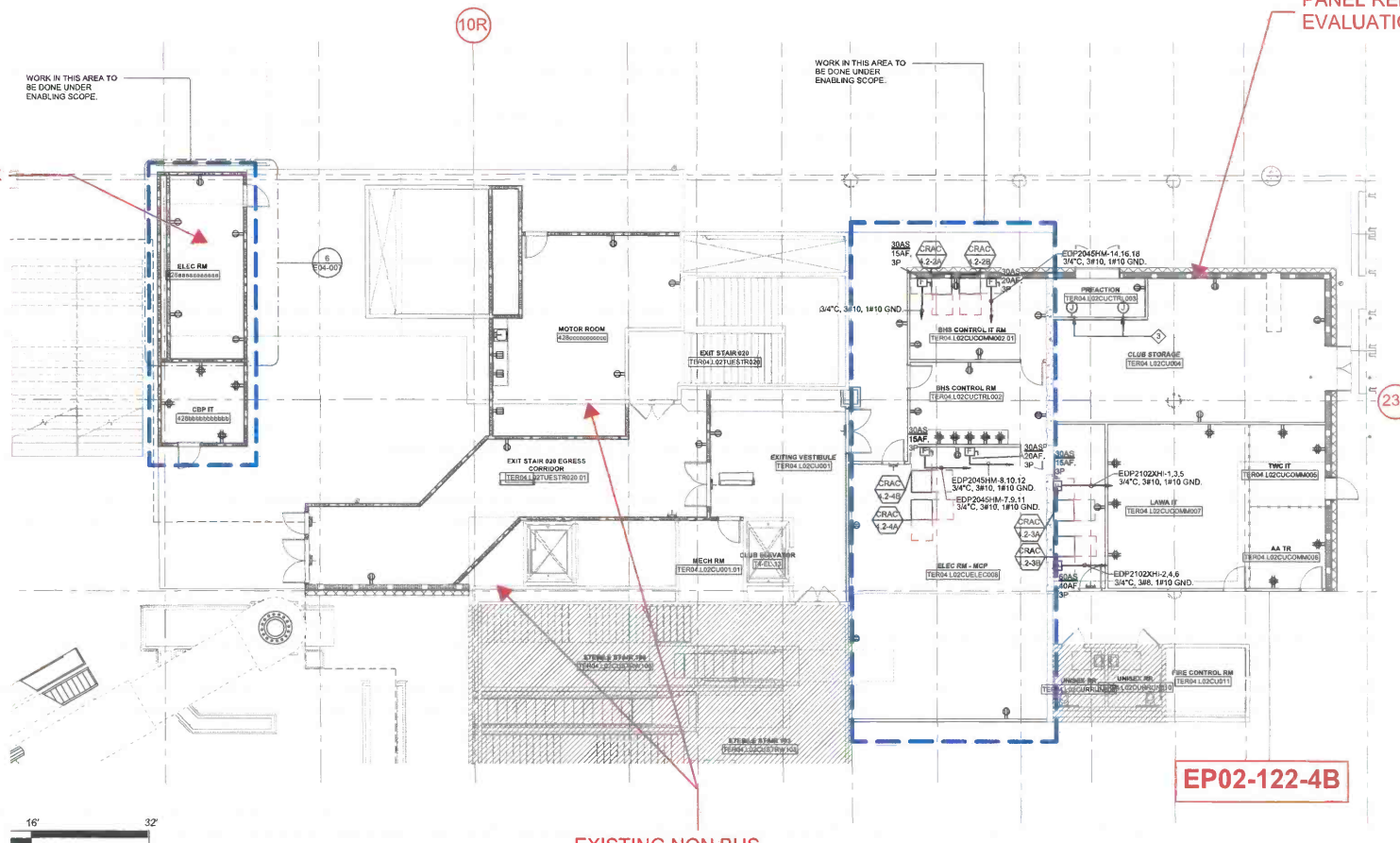


RELOCATED BHS COMPONENTS FROM EAST TO WEST



NEW DISTRIBUTION PANELS FOR BHS MOTOR CONTROL ROOM

EXISTING BHS DISTRIBUTION PANEL RELOCATION UNDER EVALUATION

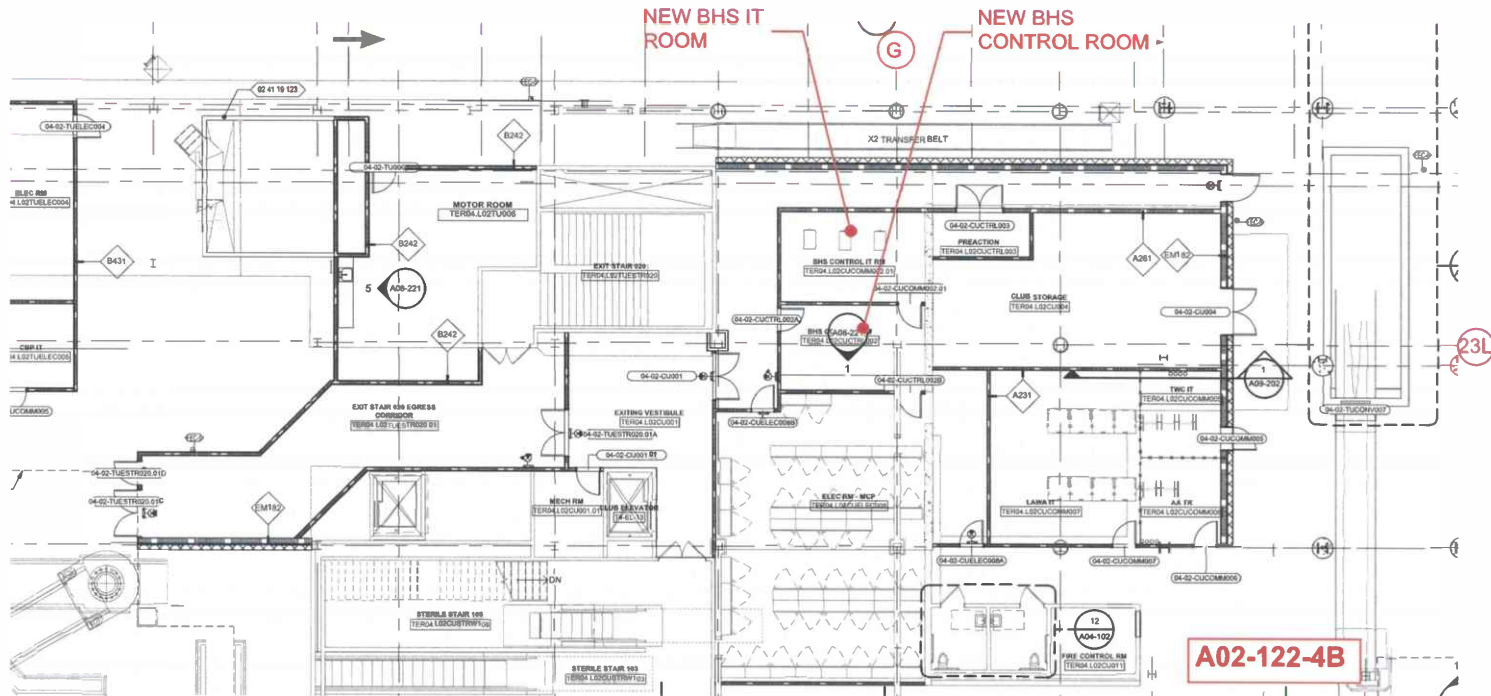


EXISTING NON BHS DISTRIBUTION PANELS RELOCATED FOR MANUAL ENCODE CLEARANCE

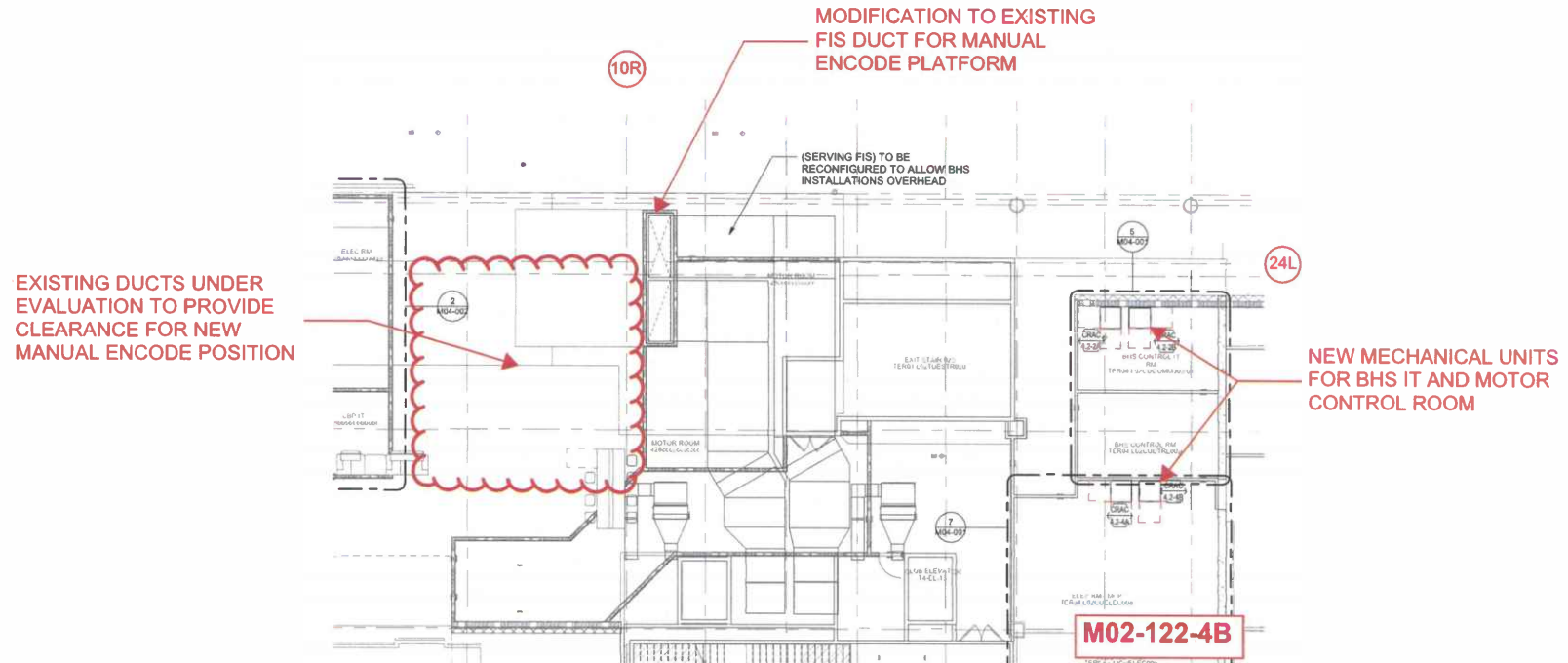
EP02-122-4B

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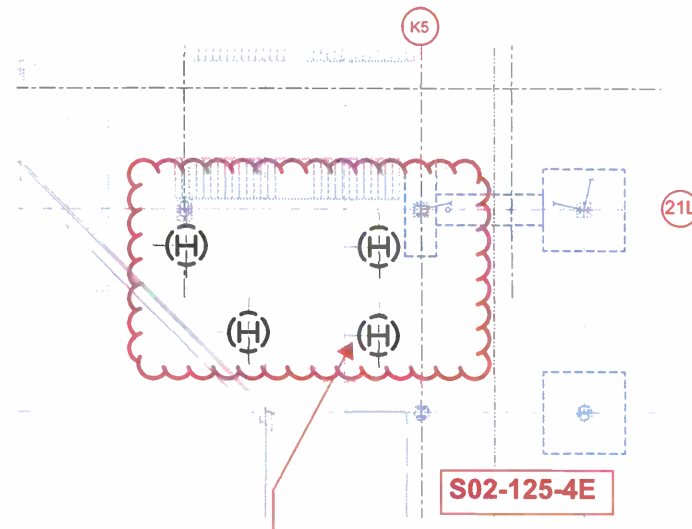


RELOCATED BHS COMPONENTS FROM EAST TO WEST



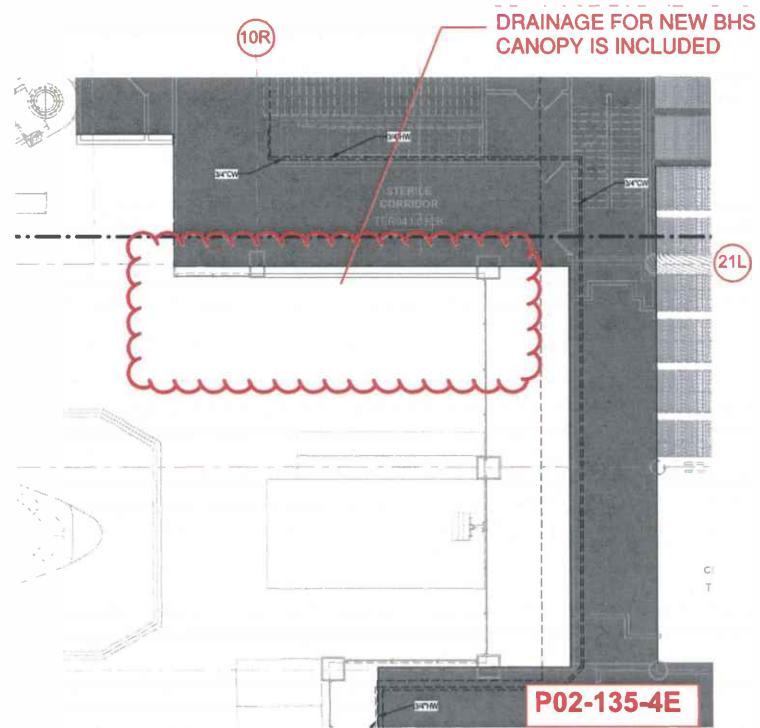
RELOCATED BHS COMPONENTS FROM EAST TO WEST



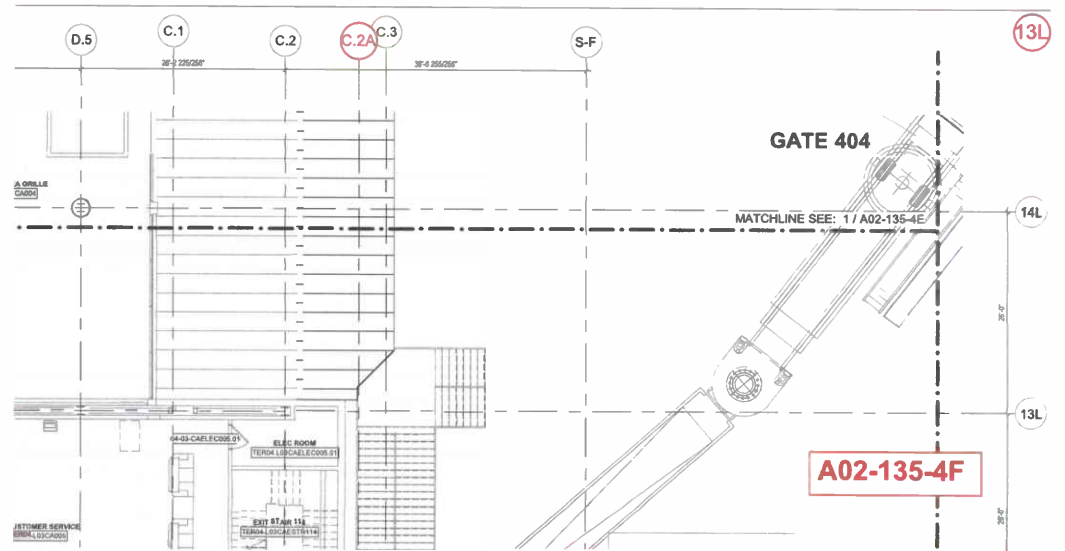
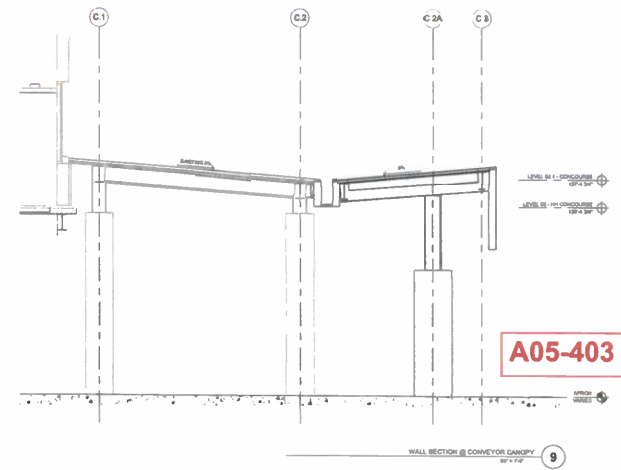
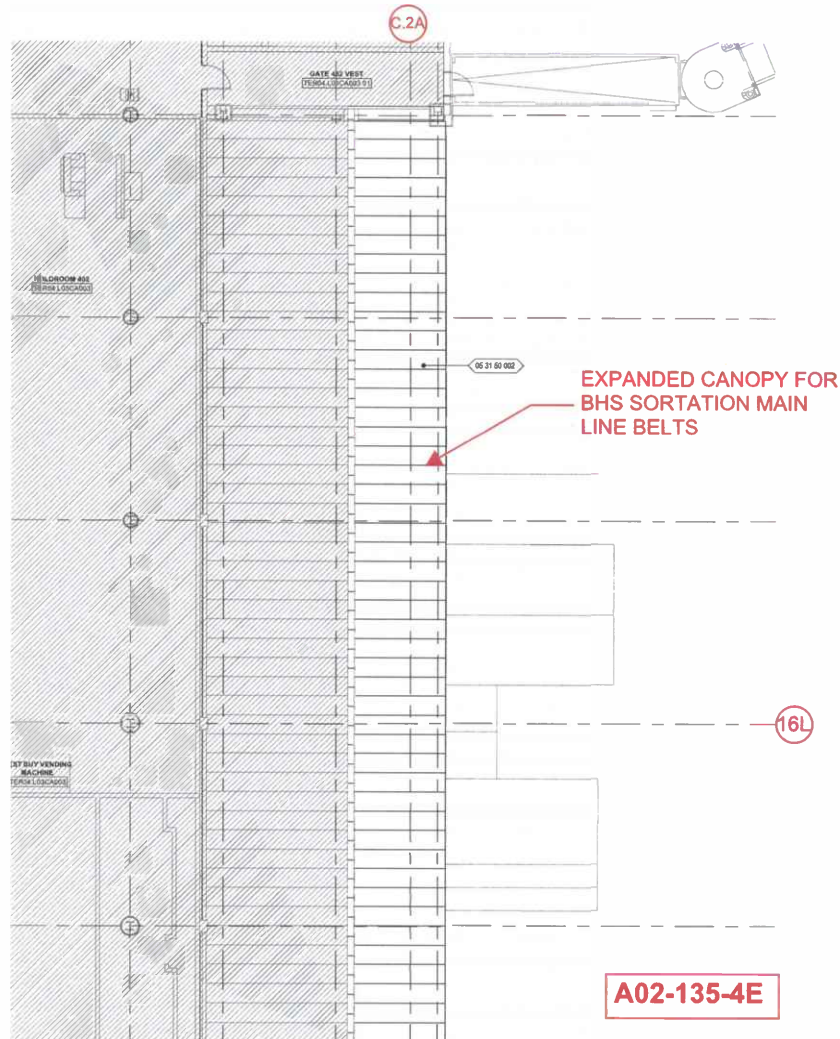


NEW BHS CANOPY FOR BHS  
SORTATION MAIN LINE BELTS  
IS INCLUDED

RELOCATED BHS COMPONENTS FROM EAST TO WEST

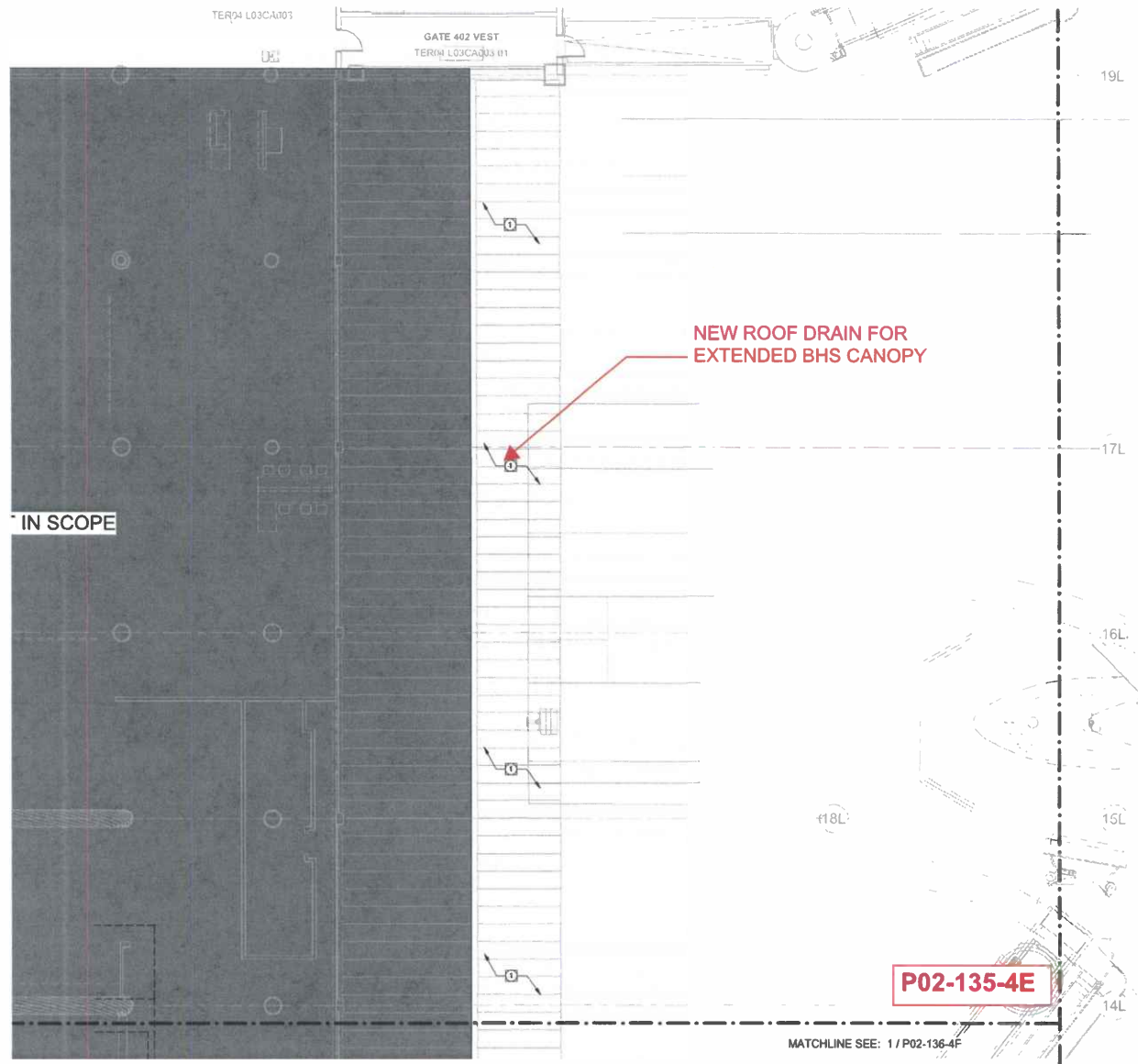


RELOCATED BHS COMPONENTS FROM EAST TO WEST



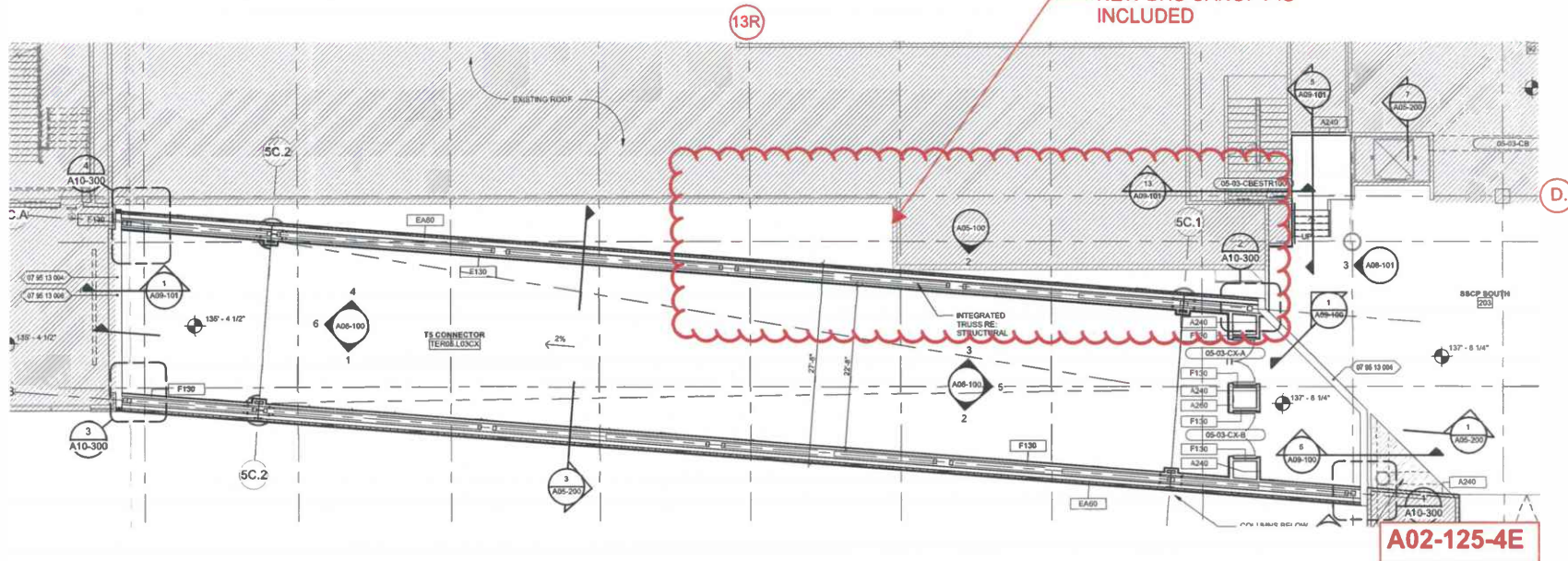
**BHS COMPONENTS TO BE REFURBISHED IN PLACE**





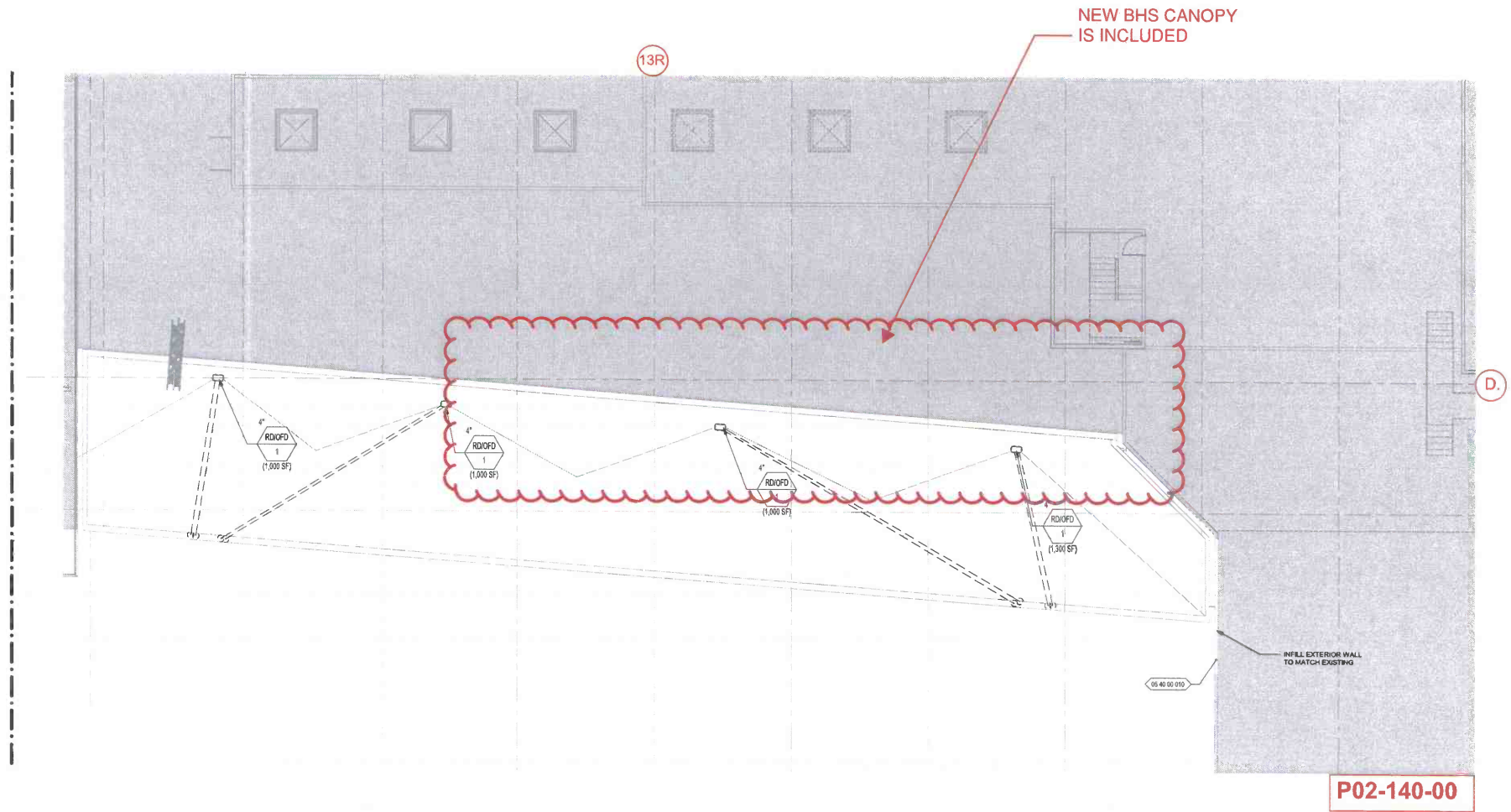
BHS COMPONENTS TO BE REFURBISHED IN PLACE

MODIFICATION TO  
EXISTING BHS CANOPY,  
NEW BHS CANOPY IS  
INCLUDED



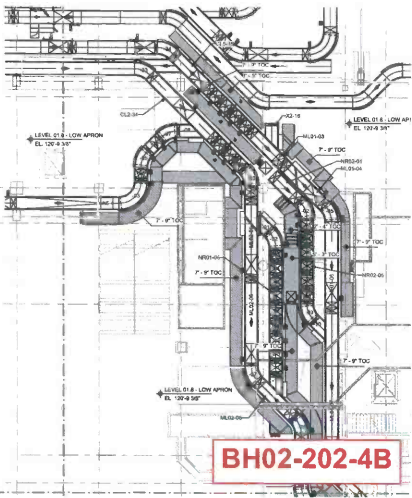
NEW BHS CAPABILITIES - T4 TO T5 TRANSFER LINES



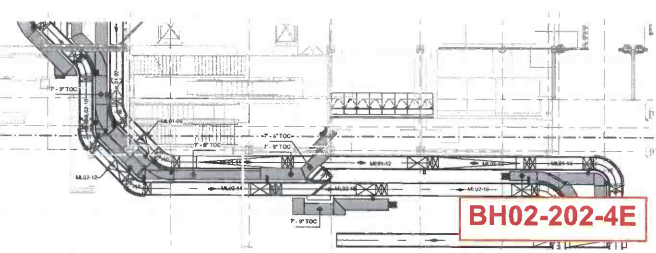


NEW BHS CAPABILITIES - T4 TO T5 TRANSFER LINES



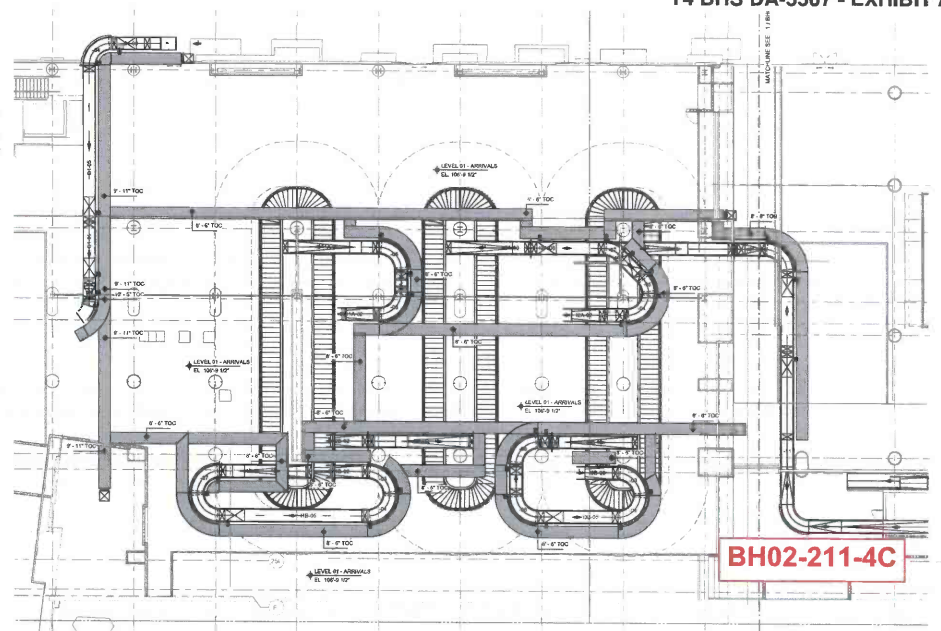


**BH02-202-4B**

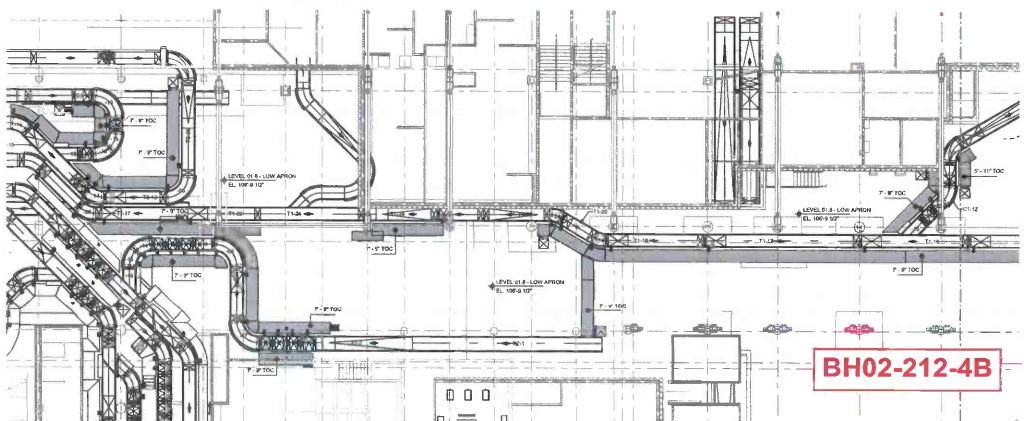


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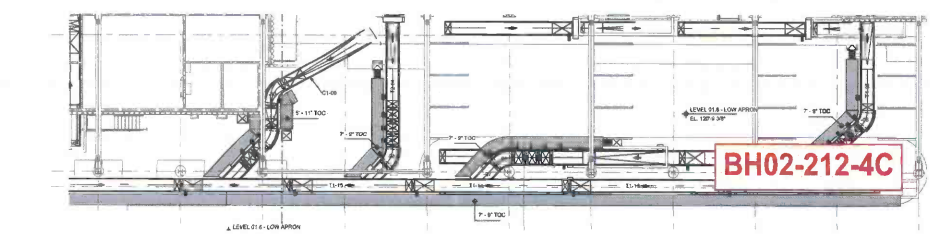
LIGHTING AND CONVENIENCE RECEPTACLES AT ALL CATWALK AREAS



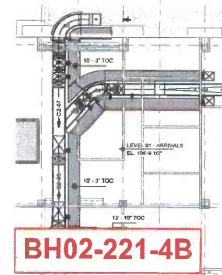
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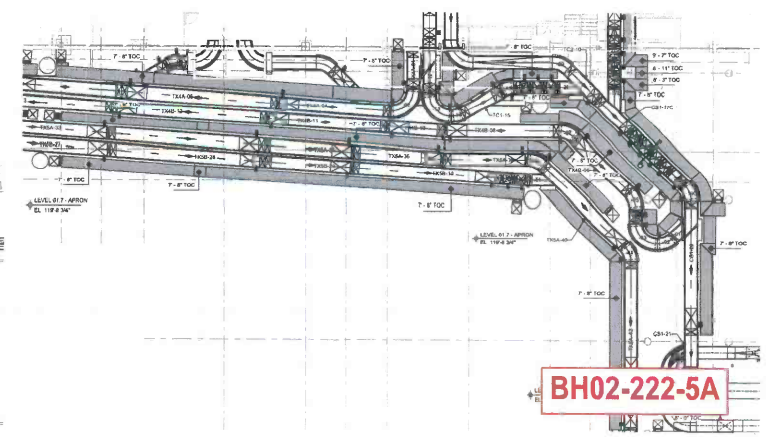
**BH02-212-4B**



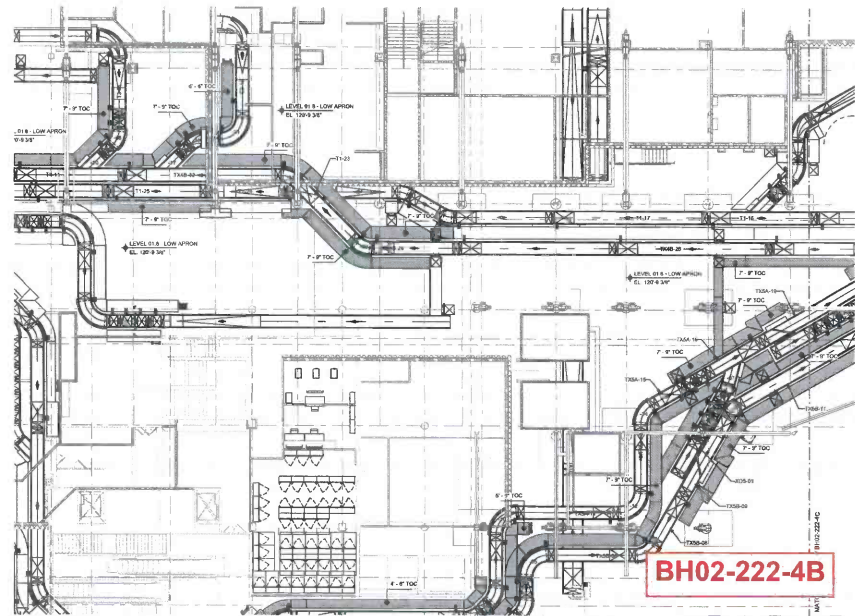
**BH02-212-4C**



**BH02-221-4B**

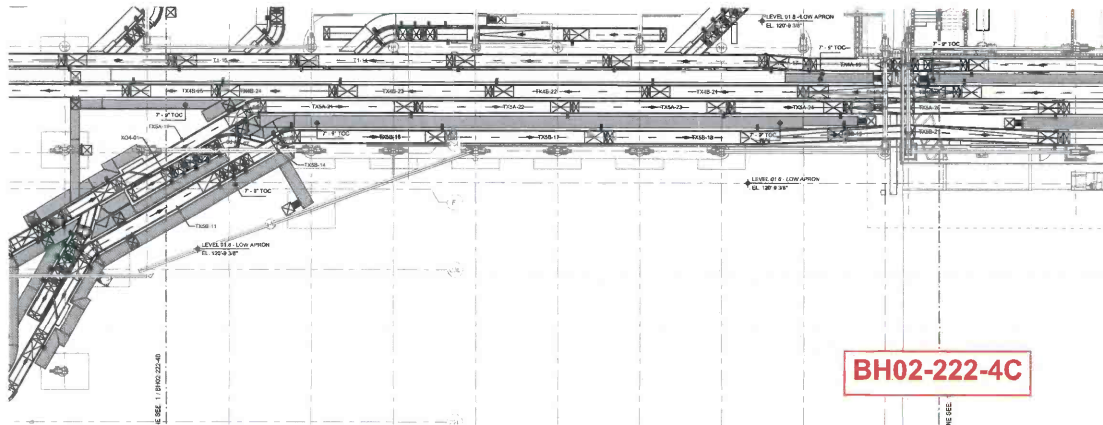


**BH02-222-5A**

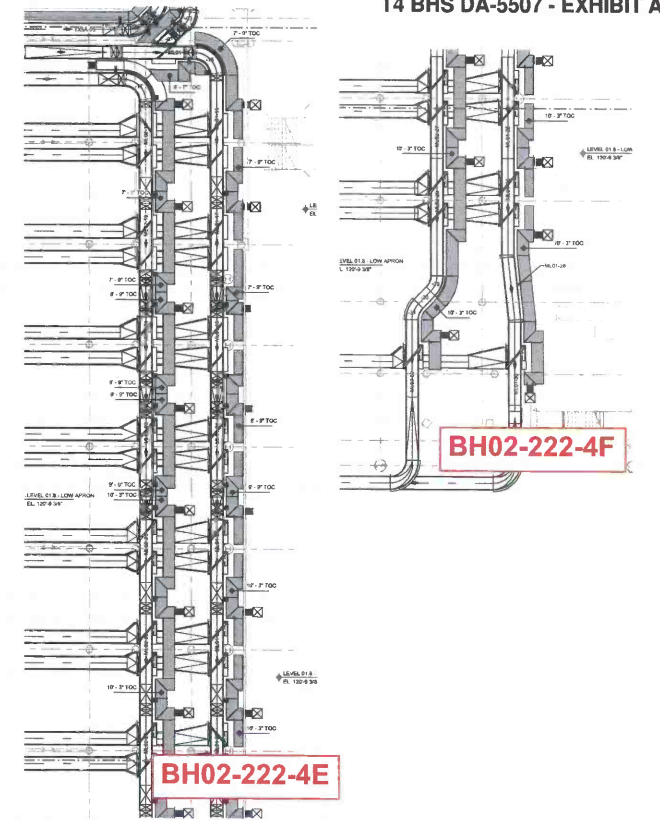


BH02-222-4B

LIGHTING AND CONVENIENCE RECEPTACLES AT ALL CATWALK AREAS

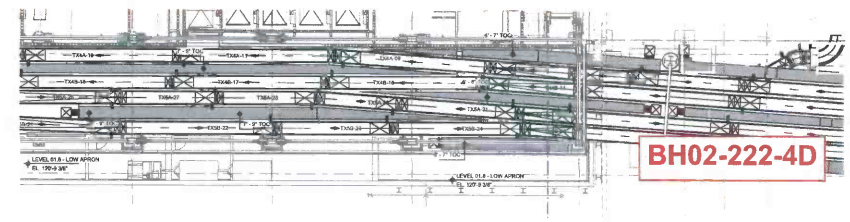


BH02-222-4C



BH02-222-4E

BH02-222-4F



BH02-222-4D