

APPENDIX 3-B
INITIAL TRANSITION AND PHASING PLAN
(INCLUDING INITIAL CONSTRUCTION STAGING PLAN)

(See attached.)



GREAT HALL PROJECT

A PROJECT THAT WILL INSPIRE THE AIRPORT INDUSTRY

Initial Transition and Phasing Plan


July 12, 2017

Great Hall LLC

ferrovial

 **SAUNDERS**

JLC | MJE-Loop
Capital Partners LLC



Disclaimer

This document is delivered pursuant to the Predevelopment Agreement dated September 5 2016 between the City and County of Denver and Denver Great Hall, LLC (the “PDA”) and as part of a Submittal under the PDA. It summarizes our views and considerations as Developer, which are based on the information provided by Denver International Airport (“DEN”) and other information publicly available.

The information and analysis contained in the document are preliminary and subject to review, discussion and modification in mutual cooperation with DEN. It is therefore subject to further discussion, review and, to the extent required, updates and amendments during the analysis of the Project regulated in the PDA and the negotiations of the Development Agreement (“DA”).

Therefore, it is an analysis subject to review which is based on the available information and shall be understood as excluding any promise, representation or warranty (expressed or implied) to any person as to the accuracy or completeness of the information or of any type of projection, forecast, or prospective or risk analysis included in it, for which any liability is excluded.

Any errors, misstatements or omissions shall be discussed with the Developer for review and discussion in future revisions.

The information contained is confidential and should be treated as such. It should not be made public and can only be shared with third parties in accordance with the terms agreed in the PDA.

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1. INTRODUCTION

This document details the Transition and Phasing Plan for the Great Hall Project. The Developer will coordinate with DEN to achieve a smooth transition of activities between the major phases of the Design and Construction Work through the turnover of finished areas.

As part of the PMP, this plan provides deliverables as outlined in the Technical Requirements I.10.5

The Construction Phases and their respective areas of impact and planned work are as shown in the attached Construction Phasing Drawings (See Appendix A)



2. PROJECT MILESTONES

The Project Schedule and Project Milestones may be found in Appendix B: Design & Construction Schedule (Ordinal).

3. PRE-DEVELOPMENT AND DESIGN

Design will begin with the issuance of NTP 1 at Commercial Close and continue through Phase 1 of construction.

The planned design deliverables required by the contract documents are outlined in the project schedule. To avoid long lead procurement further delaying the start of construction and to allow construction to begin prior to development of the IFC documents the early permit packages shown in the project schedule have been developed for Phase 1 work. Procurement of these same items for the remaining phases of the project can be done following issuance of the IFC documents and during the Phase 1 construction.

Refer to Technical Requirements for Design Review process, plan update requirements and frequencies.

4. TRANSITION FROM PRE-DEVELOPMENT TO CONSTRUCTION

During Pre-Development, affected tenants of the Great Hall will be identified and a relocation/vacate plan will be developed by DEN. A table of all affected tenants by type (commercial, airline, and DEN) and by phase will be delivered collaboratively prior to financial close. Also, the DEVELOPER and DEN are closely coordinating the Level 5.5 Baggage System enabling project to support planned construction of the Great Hall Project.

Long lead procurement items (escalators, elevators, structural steel, electrical/mechanical equipment) will be procured as the long lead design packages are approved and issued for construction. These initial procurement activities will occur as shown in the project schedule in order to support follow-on construction installation activities.



5. TRANSITION PLAN BETWEEN CONSTRUCTION PHASES

Between construction phases there will be a transition period which will include the following milestones:

- Transition of Existing Tenants for Construction.
 - Advance Notification to third parties for relocation or to vacate premises will be per the terms of the Development Agreement, prior to completion of the preceding Phase of Construction (or during the Design period for Phase 1).
 - DEN and the Developer will coordinate all relocations.
 - The CPM Schedule allows for one month per phase to physically conduct relocations.
- Completion of Phases as outlined in the Development Agreement and Technical Requirements for Functional Area Readiness.

6. CONSTRUCTION MANAGEMENT

6.1 General

- Building Permits will be obtained as indicated in the project schedule.
- Transition Existing Tenants for Construction.
 - Advance Notification as described above.
 - DEN and Developer will coordinate all relocations.
 - The CPM Schedule allows for one month per phase to conduct relocations.
- Separation of Construction Areas from the Public:
 - To minimize disruption to airport operations, the DEVELOPER will wall off as much construction area as possible so as to better control the security of the construction site, as well as noise, dust, and visual impacts to the public.
 - DEVELOPER and DEN will coordinate emergency access and egress plans at every phase of construction to facilitate movement of security and emergency personnel and evacuations in case of an emergency.
 - Temporary Construction Walls and Temporary Pedestrian Tunnels will be constructed following the relocation of tenants.
 - Temporary Construction Walls and Temporary Pedestrian Tunnels will be constructed along the lines of the Construction Limits as shown in the attached Construction Phasing Drawings (See Appendix A).
- Passenger Flow
 - Wayfinding signage and arrows will be provided on temporary construction walls.
 - Directional signage will be provided at terminal entrances and decision points.
 - Primary pathways for the public are denoted in the Construction Phasing Drawings.
 - During all phases temporary walls and passenger corridors will be used to direct travelers around work areas. The images below provide a general idea of what these temporary structures will look like.

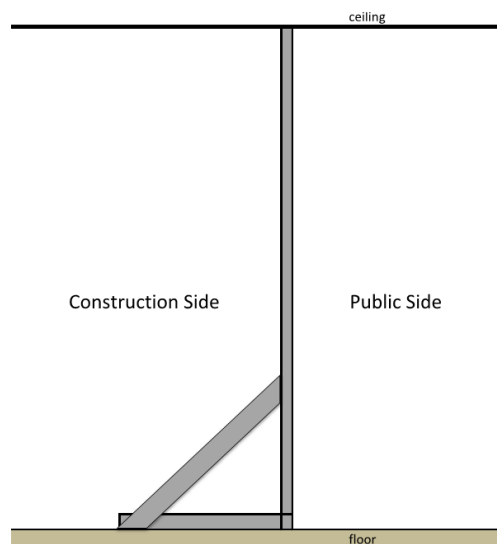


Figure 1: Temporary Construction Wall (typ.)



- Shift Work:
 - The DEVELOPER will also be utilizing night and day shifts to optimize the construction duration and also to minimize certain disruptions to airport operations.
 - Night shifts will be utilized to conduct work that causes the most disruption to the public, namely:
 - Demolition activities that generate excess noise and vibrations.
 - Deliveries of materials and equipment.
 - Installation work that causes excess noise and vibrations.
 - Level 5 finishes work in mobile construction closures that allows continuous operation of baggage claim system in coordination with the Level 5.5 project schedule.

7. CONSTRUCTION PHASING PLAN

Construction of the Great Hall Project consists of three major operations all impacting terminal operations as they currently exist. These three operations are the relocation of TSA from its current location on Level 5 up to Level 6; renovation of the current airline ticketing operations and consolidation of those operations from the current three MOD layout to two MODs; and the transition of the existing Level 5 space to a revitalized retail experience. In addition to these three major operations construction also includes the addition of a sixth floor on either side of the existing corridor from the terminal out to the AOB structure.

In order to accomplish this with minimal impact to passenger experience, airline operations and terminal operations as well as clearing construction space in a logical sequence, renovation of the airline ticketing areas needs to be completed first. This reduces their footprint from 3 MODs to 2 MODs, and creates space for the relocation of TSA from Level 5 into the vacated airline ticketing space in MOD 1, which then allows buildout of the new retail facilities in the vacated space on Level 5. To accomplish this task we have developed a construction program consisting of four primary phases described in detail below.

During construction an Art Relocation Plan will be implemented by DEN for the relocation of the existing public art in the terminal in coordination with the design and construction team.. Art will need to be removed from each functional area prior to work starting. Installation of new art will be coordinated

During all phases of construction, emergency access thru the site will be identified and maintained (as required) in coordination with first responders.

7.1 Phase 1 – MOD 2 East and West – Levels 4, 5, and 6, and AOB Corridor

Phase 1 will begin with construction in MOD 2 on Levels 4, 5, and 6. Starting in MOD 2 minimizes the number of moves for airlines and allows for the relocation of the Computer Monitoring Facility (CMF) currently operating on Level 6 in MOD 3 East. The CMF must be relocated before MOD 3 East can be renovated. The design of the CMF will begin upon the receipt of the NTP 1, and construction of the new CMF facility will begin upon receipt of a building permit and NTP 2. Construction will begin prior to Phase 1. See project schedule.

The attached phasing drawings reflect the work areas for the Phase 1 construction. The major scopes of work included in Phase 1 are:

- Demolition of the existing facilities
- Expansion of the Level 6 floor slab to accommodate the new airline ticketing layout
- Level 5 floor demolition between grid lines W2 and W3 on the west side and E2 and E3 on the east side to allow installation of the new support beams and columns to support the Level 6 floor slab extension
- Perimeter construction for the new Level 5 to 6 escalators, new restrooms on both Levels 5 and 6, and the Level 6 façade.

- Construction of a portion of the new Level 6 passenger crossover bridge between grids N11 and N12
- Structural modifications to allow installation of the new vertical transportation elements from Level 5 to the AGTS boarding platform on Level 4
- Removal of the two escalators going up to Level 6 at the two passenger crossover bridges
- Buildout of the new airline ticketing operations on Level 6
- Buildout of the new commercial spaces on Level 5 and Level 6
- Removal of Rental Car Counters
- Begin AOB Corridor construction all levels
- Construction of the new Level 6 to 5 escalator, stairs, and shorten the existing two walkalators in the AOB corridor
- Relocation of the CMF facility currently on Level 6 in MOD 3 East
- Temporary and permanent Wayfinding
- Level 6 façade and Levels 4, 5 & 6 curbside signage (MOD 2)
- New finishes in MOD 2 Baggage Claim
- Baggage Service Offices in MOD 2 East and West
- Refresh AGTS Arrival Platform Level 4

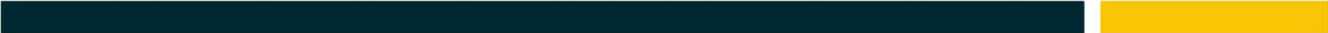
This phase will include work in the following Functional Areas

- 5 (Airline Space – MOD 2 West)
- 6 (Airline Space – MOD 2 East)
- 10 (Level 6 South Bridge)
- 11 (AOB Corridor)
- 13 (Airside Plaza MOD 2 Center and BSO Area)
- 16 (Escalators Level 5 to Level 4 MOD 2 Center)
- 17 (Level 4 AGTS Area)
- 19 (Central Monitoring Facility)

The phase will also include work in the following areas:

- 21 (Baggage Claim West)
- 22 (Baggage Claim East)

Functional Area 11 will not be completed with remaining Phase 1 areas. It is not required that Functional Areas 16 and 17 are complete in order to begin work Phase 2. Work in Functional Area 10 in this phase only consists of partial construction of the bridge. The bridge will be completed and opened as a part of Phase 4. Retail buildout in Functional Area 13 will not be completed due to the requirement to provide a secure access corridor through this area for screened passengers moving from the Level 6 TSA checkpoint to the AGTS Level 4 departing platform during the Phase 4 construction. Four retail units (A5-7, A5-8, A5-9, and A5-10) will be left in a white box condition until the end of Phase 4.



The two new elevators and the two new retail spaces at the south end of MOD 2 are located under the new future south bridge (A5-34 and A5-35) and will not be constructed during this phase. They will be constructed during Phase 4.

Work in this phase will involve movement of construction workers and material between the non-sterile area on Level 5 and the sterile area on Level 4. To complete the structural work necessary to install the new escalators between Level 5, currently in the non-sterile area, and the AGTS boarding platform, currently in the sterile area, we will be cutting openings the Level 5 floor as well as in the Level 4 platform flooring. To maintain the integrity of the sterile area on Level 4 we will enclose the affected area on Level 4 with temporary walls extending from the floor to the ceiling on that level effectively converting this area to a non-sterile condition for construction. Access to this enclosed area will be controlled. There will be a temporary stair tower extending from Level 4 to 5 within this enclosed construction area for use by construction workers to allow access from the non-sterile construction work zone on Level 5.

In order to get material down to Level 4 to construct the temporary enclosures and prior to the stair tower being installed, we will need to coordinate with DEN Security a means of construction access to Level 4 through the TSA checkpoints and down the existing stairwell. It will be necessary on occasion during the construction period to use the existing stairs to get material down to Level 4 and that will also be coordinated on an as-needed basis with DEN Security.


During construction of this phase it will be necessary to maintain an exit path through the work area for those inbound passengers arriving at the terminal from the AGTS platform. That exit route will be to the south toward MOD 3, at which point passengers can then move to either side of the terminal to collect their luggage. As the construction progresses through this phase it will be necessary to coordinate with DEN movement of the AGTS departure operation between the east and west sides of the terminal for extended periods of time.

Completion of the escalators from Level 5 to the AGTS platform is not necessary prior to transitioning to Phase 2. We will maintain construction enclosures around this element until they are opened for use which is currently planned to follow the relocation of TSA. We will coordinate physical enclosure requirements with DEN Security and Operations.

The addition of Level 6 to the North Terminal along the existing AOB corridor will begin along with Phase 1 and will continue through Phase 2 until complete. Presently it is our intent to permit this structure separate from the terminal work to allow turnover of the new facility to DEN once it is complete. This will include all work shown in the AOB construction documents.

One other section of work that will begin during Phase 1, after the structural work for the Level 4 to 5 vertical transportation is complete, is construction of work platforms in the ceiling of the AGTS tunnel. Installation of these work platforms from within the AGTS tunnels will allow the construction in Phase 4 of the new Level 5 to 6 elevator and escalator pits at the north end of the terminal and escalator pits at the new South Bridge to be done from Level 5 without having to enter the AGTS tunnels, thus reducing potential impact to the AGTS train operation.

Mechanical and electrical work will follow the same phasing throughout the construction period. During Phase 1, the DEVELOPER will begin with the replacement of mechanical equipment located inside the mechanical rooms in Level 4 of MOD 2. The current design will result in a change to the layout and routing of the different services provided in MOD 2 all of which will be accommodated during the buildout of new interior configuration. Start up and commissioning of the services in MOD 2 will be carried out at the end of the phase. There is some overlap between MODs with the current mechanical systems, and we will be utilizing temporary measures as necessary to ensure the terminal











functions normally during the construction period. Electrical systems are currently provided by MOD, which fits within the DEVELOPER phasing plan and facilitates renovation of the electrical systems by MOD.

Installation of the new ceilings, wall finishes, and flooring in the baggage area on Level 5 is not shown in these drawings. When possible that work will be completed within each MOD as it is closed for the current phasing plan. Transition into Phase 2 from Phase 1 will begin once the new construction is completed in the MOD 2 work area and all ticketing systems are operational. This includes the Level 6 baggage system at the ticketing counters. Connection to the Level 5.5 baggage system is necessary at this point and the system must be operational. It is understood that there may be a need to maintain at least one of the existing MOD 2 baggage input points in MOD 2 East until the new baggage system is capable of baggage input. This will change the construction sequence of the ticketing counter construction and is currently under review to determine possible impacts to the construction of that ticketing pod. Relocation of the CMF room also has to be completed to allow transition into MOD 3 East.

7.1.1 Art relocation during Phase 1

The artwork listed below is currently located in the Phase 1 construction area and will need to be relocated prior to Phase 1 work beginning.

IMAGE	TITLE	PLACEMENT	CURRENT LOCATION DESCRIPTION	MEDIA	ARTIST YEAR
	America, Why I Love Her	Wall Mount	Mod 1: E, S end, 5th fl Mod 2: E, N end 5th fl	Multi media	Sweeny 1994
	Experimental Aviation	Installation	Mod 2 CORE E & W, 5th fl	Polychrome Steel	Ortiz 1994
	A Different Sense of Time	Wall Mount	Mod 1 core: S end, 5th fl	Video Technology	Alweis 1994
	Balustrade	Sculpture	Mod 2 core: N, S ends, 6th fl	Ceramic	Woodman n 1994
	Elrey Jeppesen	Monument	Mod 2: CORE, 5th fl	Bronze	Lundeen 1993
	Notre Denver	Sculpture	Mod 2: E, S end & Mod 2: W, N end Baggage Claim 5th floor	Bronze	Allen 1993
	Children of the World Dream of Peace	Wall Mount	Mod 2: E South end 5th floor	Painting	Tanguma 1994
	Great Hall Floor	Flooring	Mod 2 CORE 5th floor	Terrazzo	Quick-toSee Smith and Iwamasa 1994

The Great Hall Floor and the Jeppesen Terminal Core Canopy art pieces will have been de-assessed by DEN prior to the beginning of Phase 1 and will be removed as part of the phase demolition work.

7.1.2 Phase 1 Passenger Flow

Departing Passengers

Departing passengers may arrive at the terminal in three locations: the Level 5 plaza entrance, Level 5 or Level 6.

Passengers that arrive from the transit center, or are coming from the hotel will enter the terminal as they do today through the plaza entrance doors on the south side of Level 5. They will then either pass through baggage claim to use the existing escalators located on grid line N11 or existing elevators located on the northeast and northwest corners in order to get to Level 6 for check-in. Alternatively they may stay on Level 5 to pass through security as they do today. See the red arrows on Phase 1 Lvl 5 Passenger Flow.

Passengers arriving via shuttle, taxi, etc. will be dropped off on Level 5. They will enter the terminal through doors on the east and west sides of the building. If they need to check-in with airlines, passengers can travel to Level 6 by using the existing escalators located between MODs 1 and 2 on gridline N21, escalators between MODs 2 and 3 on gridline N11 or the existing elevators located on the perimeter of the building. Otherwise they may follow signs directing them around the construction area in the center of MOD 2 to pass through TSA in either MOD 1 or 3. See green arrows on Phase 1 Lvl 5 Passenger Flow.

Passengers arriving via the drop off area on Level 6 will enter the terminal using the side doors on the east or west side of the building in MODs 1 or 3. They may immediately proceed to the airline check-in desks on Level 6 in MODs 1 or 3. MOD 2 Level 6 will be blocked off with a temporary construction barrier. They may then continue on to the TSA areas by using the existing down escalators or elevators located on the North and South Bridges as well as the existing elevators located on the perimeter of the building. See purple arrows on Phase 1 Lvl 6 Passenger Flow.

Passengers will also be able to pass through security at the existing checkpoint on the Level 6 bridge to Concourse A. See red arrow on Phase 1 Lvl 6 Passenger Flow.

If passengers need to move between MODs 1 and 3 they will have two options. On Level 5 passengers can maneuver around the construction area by walking through the baggage claim area in MOD 2. On Level 6 passengers will use existing escalators and elevators to travel to Level 5 and pass through the baggage claim area to go between MODs. See orange arrows on Phase 1 Lvl 6 Passenger Flow and Phase 2 Lvl 5 Passenger Flow. Following construction of the new floor slab expansions, we will put a pedestrian corridor on the new slab to allow passage between MODS 1 and 3 on Level 6. In the event this work falls in the winter months the DEVELOPER will investigate alternate means of providing passenger travel between Mods 1 and 3.

Arriving Passengers

Domestic passengers will enter the terminal via the AGTS. Passengers will travel from Level 4 to Level 5 by using the escalators or elevators located on Level 4. They will then follow a pedestrian tunnel south to MOD 3 out of the construction area in MOD 2 Level 5. Signs will direct passengers to the correct baggage claim or ground transportation provider locations. See light blue arrows on Phase 1 Lvl 5 Passenger Flow. Passengers entering from the A bridge will enter the terminal as they do today.

International passengers will exit customs on the north end of the terminal on Level 5 as they do today. If an international passenger needs to reach ticketing on Level 6, they can use the existing

escalators located directly in front of the international arrivals or the existing elevators on the perimeter of the building. Otherwise they can exit the terminal as they do today through the doors on the east and west side of the terminal. See pink arrows on Phase 1 Lvl 5 Passenger Flow.

Meeters and Greeters

Meeters and Greeters will be able to enter the terminal on Levels 4, 5 and 6 through perimeter doors in all MODs except MOD 2 Level 5 and 6. They can then follow the same pathways as described above to travel to the temporary Meet and Greet area near the South Bridge. The existing Meet and Greet area outside the AGTS exit in MOD 2 Level 5 will be closed.

International passengers can still be greeted in the space outside of international arrivals on Level 5 as they do today.

Airport Employees

Airport employees will be able to continue entering the terminal as they do today and continue to use employee entry points in the TSA areas on Level 5 and on the existing AOB corridor.

7.2 Phase 2 – MOD 3 East and West – Levels 5 & 6, AOB Corridor

The major scopes of work included in Phase 2 are:

- Demolition of the existing facilities
- Expansion of the Level 6 floor slab to accommodate the new airline ticketing layout
- Level 5 floor demolition between grid lines W2 and W3 on the west side and E2 and E3 on the east side to allow installation of the new support beams and columns to support the Level 6 floor slab extension
- Perimeter construction for the new Level 5 to 6 escalators, and new restrooms on both Levels 5 and 6
- Removal of the escalators along N11 line on the east and west side of the terminal
- Buildout of the new airline ticketing operations on Level 6
- Replacement of the two escalators on the south end of the terminal
- Complete AOB Corridor construction on all levels
- Build temporary TSA lanes on Level 5
- Level 6 façade and Levels 4, 5, & 6 curbside signage
- New finishes in Mod 3 Baggage Claim
- Bag Service offices level 5

This phase will include work in the following Functional Areas:

- 3 (Airline Space – MOD 3 West)
- 4 (Airline Space – MOD 3 East)
- 11 (AOB Corridor)

The phase will also include work in the following areas:



- 21 (Baggage Claim West)
- 22 (Baggage Claim East)

Phase 2 construction in MOD 3 will begin once the current tenants have relocated their operations to MOD 2. The current TSA SSCP on Level 5 will have to remain in service throughout this construction period. The areas of work that will interface with the current TSA layout are the extension of the Level 6 floor slab and installation of the new support beams in the floor on Level 5 for the Level 6 slab. The work platform on which the new Level 6 slab will be constructed and extend over the current walkway to the TSA queuing area, as well as over the two outer checkpoint lanes, on each side. This platform will be constructed to allow passengers to pass under it on their way to the queuing lanes. Installation of the new support beams on Level 5 will interfere with operation of the two existing perimeter checkpoint lanes on each side. We will coordinate our construction work to coincide with the normal nightly shutdown of the security checkpoints and will work with DEN and TSA to coordinate the shutdown of the two perimeter lanes during installation of the floor support beams. Work will begin on the east side. During this work the DEVELOPER will work with TSA to relocate the impacted checkpoint lanes between grid lines 3 and 4 outside the current TSA space. During Phase 2, DEVELOPER will begin with the replacement of mechanical equipment located inside the mechanical rooms in Level 4 of MOD 3. The current design will result in a change to the layout and routing of the different services provided in MOD 3 all of which will be accommodated during the buildout of new interior configuration. Start up and commissioning of the services in MOD 3 will be carried out at the end of the phase.

It is anticipated that during this phase construction will be complete at the AOB corridor and the MOD 2 Level 4 to 5 vertical transportation installation will continue.

7.2.1 Art relocation during Phase 2

The artwork listed below is currently located in the Phase 2 construction area and will need to be relocated prior to Phase 2 work beginning.

IMAGE	TITLE	PLACEMENT	CURRENT LOCATION DESCRIPTION	MEDIA	ARTIST YEAR
	La memoria de nuestra tierra	Wall Mount	Mod 3: E 5th floor	Print	Bacca 1994
	Mile High and Rising	Wall Mount	Mod 3: W 5th floor	Multi media	Akinlana 1994

7.2.2 Phase 2 Passenger Flow

Departing Passengers

Departing passengers may arrive at the terminal in three locations: the Level 5 plaza entrance, Level 5 or Level 6.

Passengers that arrive from the transit center, or are coming from the hotel will enter the terminal as they do today through the plaza entrance doors on the south side of Level 5. They will then either pass through baggage claim to use the existing escalators located on grid line N21, the new perimeter escalators located on grid line N18 or elevators located on perimeter of the building to get to ticketing on Level 6. Alternatively they may stay on Level 5 to pass through security. See the red arrows on Phase 2 Lvl 5 Passenger Flow.

Passengers arriving via shuttle, taxi, etc. will be dropped off on Level 5. They will enter the terminal through doors on the east and west sides of the building. If they need to check-in with airlines, passengers can travel to Level 6 by using the existing escalators located between MODs 1 and 2 on gridline N21, the new perimeter escalators located on grid line N18 or the elevators located on the perimeter of the building. Otherwise they may pass through TSA in either MOD 1 or 3. See green arrows on Phase 2 Lvl 5 Passenger Flow.

Passengers arriving via the drop off area on Level 6 will enter the terminal using the side doors on the east and west side of the building in MODs 1 or 2. They may either immediately proceed to the airline check-in desks on Level 6 in MODs 1 or 2. MOD 3 Level 6 will be blocked off with a temporary construction barrier. They may then continue on to the TSA areas by using the existing down escalators or elevators located on the North and South Bridges or the new perimeter escalators located on grid line N18. See purple arrows on Phase 2 Lvl 6 Passenger Flow.

Arriving Passengers

Domestic passengers will enter the terminal via the AGTS. Passengers will travel from Level 4 to Level 5 by using the existing escalators or elevators located on Level 4. The new construction layout will direct them to the south out of MOD 2. Signs will direct passengers to the correct baggage claim or ground transportation locations. See light blue arrows on Phase 2 Lvl 5 Passenger Flow. Passengers entering from the A bridge will enter the terminal as they do today.

International passengers will exit customs on the north end of the terminal on Level 5 as they do today. If an international passenger needs to reach ticketing on Level 6, they can use the existing escalators located directly in front of the international arrivals or the existing elevators on the perimeter of the building. Otherwise they can exit the terminal as they do today through the doors on the east and west side of the terminal. See pink arrows on Phase 2 Lvl 5 Passenger Flow.

Meeters and Greeters

Meeters and Greeters will be able to enter the terminal on Levels 4, 5, and 6 through perimeter doors in all MODs except MOD 3 Level 6. The old Meet and Greet area outside the AGTS exit in MOD 2 Level 5 was removed during Phase 1. Instead passengers can be met at the temporary meet and greet area located between N11 and N14 in the center of the terminal. This will remain in place until the new landside meeter and greeter plaza is completed in Phase 4.

International passengers can still be greeted in the space outside of international arrivals on Level 5 as they do today.

Airport Employees

Airport employees will be able to continue entering the terminal as they do today and continue to use employee entry points in the TSA areas on Level 5 and on the existing AOB corridor.

7.3 Phase 3 – Mod 1 East and West – Levels 5 & 6

Prior to beginning work in MOD 1 the Level 5.5 baggage system will have to be completed and operational.

The major scopes of work included in Phase 3 are:

- Demolition of the existing facilities
- Expansion of the Level 6 floor slab to accommodate the new airline ticketing layout
- Structural enhancement of the current brace frame construction on Level 5 and 6 to allow removal of Level 6 north south bracing structure through the new TSA checkpoints.
- Level 5 floor demolition between grid lines W2 and W3 on the west side and E2 and E3 on the east side to allow installation of the new support beams and columns to support the Level 6 floor slab extension
- Perimeter construction for the new tenant/office spaces and restrooms on both Levels 5 and 6
- Removal of the escalators along N21 line on the east and west side of the terminal
- Install new escalators along N31 line
- Buildout of new TSA space on level 6
- Demolition of the existing escalators between Level 5 and 6 at the north end of the terminal
- New finishes in Baggage Claim area.
- Level 6 Façade and 4 – 6 curbside signage
- Bag Service offices level 5

This phase will include the following Functional Areas:

- 7 (Security Screening Area – MOD 1 West)
- 8 Security Screening Area – MOD 1 East)

The phase will also include work in the following areas:

- 21 (Baggage Claim West)
- 22 (Baggage Claim East)

Phase 3 construction in MOD 1 will begin once the remaining airlines have relocated to their new locations in Mods 2 & 3. The current TSA SSCP on Level 5 will have to remain in service throughout this construction period. The areas of work that will interface with the current TSA layout are the extension of the Level 6 floor slab and installation of the new support beams on Level 5 for the Level 6 slab. Coordination with TSA for the work in this area will be as described for Phase 2 above.

During this phase walking access for airline passengers to Concourse A via the AOB Corridor will be impacted. In order to accommodate the need to provide access to Concourse A and use of the AOB SSCP it will be necessary to phase the construction work on Level 6 between the east and west sides. At the beginning of Phase 3 the west side of Level 6 will be closed off entirely so the demolition and structural work can begin immediately. On the east side of Level 6, a corridor will be constructed from MOD 2 to the north end of the terminal and then west between grid lines N30 and N31 connecting to the AOB Corridor. This passenger corridor will remain in place until the extended Level 6 slab has been placed, at which time the passenger corridor will be moved to the new slab area between grid lines E2 and E3. Once the new corridor has been opened east Level 6 will be closed off for construction.

While the east side of Level 6 is being used for passenger access to the AOB Corridor, construction work on the new offices and restrooms on the east perimeter of the terminal will be ongoing, as well as installation of the new Level 6 slab extension. Construction material for the extended slab will be brought into the site from the west side as much as possible. During the night time hours, when the AOB SSCO is closed we will open the passenger corridor to enable construction to proceed with as many activities as possible on the east side.





Modification of the structural bracing in this MOD will require installation of the new moment frame structure grid lines E4 and W4 on Level 5 prior to modifying the bracing on Level 6. In order to obtain access to grid lines E4 and W4 we will have to demolish all the spaces currently occupying the floor between grids E3 and E4 on the east and W3 and W4 on the west. This work will be done at the beginning of the phase at the same time we are doing the demolition on Level 6. The buildout of Level 6 is dependent on the completion of this work on Level 5.

During Phase 3, DEVELOPER will begin with the replacement of mechanical equipment located inside the mechanical rooms in Level 4 of MOD 1. The current design will result in a change to the layout and routing of the different services provided in MOD 1 all of which will be accommodated during the buildout of new interior configuration. In Phase 3 we will install the new secondary booster pump for chilled and hot water and Install the new booster pump for water supply in Level 4. Start up and commissioning of the services in MOD 1 will be carried out at the end of the phase.

Once Phase 3 is complete, TSA will relocated to Level 6 to begin operation. It is currently assumed that the Level 6 TSA area will utilize all new equipment which will allow that area to be built out and commissioned completely so that the transition from Level 5 to Level 6 can occur overnight. Initially the passengers who have passed through the check point on Level 6 will be sent to the existing escalators on the north pedestrian bridge to move down to Level 5 and the north AGTS platform entrance.

7.3.1 Art relocation during Phase 3

The artwork listed below is currently located in the Phase 3 construction area and will need to be relocated prior to Phase 3 work beginning.

IMAGE	TITLE	PLACEMENT	CURRENT LOCATION DESCRIPTION	MEDIA	ARTIST YEAR
	A Different Sense of Time	Wall Mount	Mod 1: S end, 5 th fl	Video Technology	Alweis 1994
	Tribute to Bill Smith	Sculpture	Mod 1: N 6 th floor	Bronze & Granite	Dwight 1994
	Spirit of the People	Photos and Paintings	Mod 1 (entirety): W, N & E 5 th floor	Photo Paintings	Various Artists 1994
	In Peace and Harmony with Nature	Wall Mount	Mod 1: W South end 5 th floor	Painting	Tanguma 1994

7.3.2 Phase 3 Passenger Flow

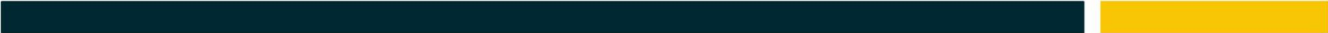
Departing Passengers

Departing passengers may arrive at the terminal in three locations: the Level 5 plaza entrance, Level 5 or Level 6.

Passengers that arrive from the transit center, or are coming from the hotel will enter the terminal as they do today through the plaza entrance doors on the south side of Level 5. They will then use the new escalators to the right and left of the south entrance to travel to Level 6. Or they may proceed directly north to pass through security. See the red arrows on Phase 3 Lvl 5 Passenger Flow.

Passengers arriving via shuttle, taxi, etc. will be dropped off on Level 5. They will enter the terminal through doors on the east and west sides of the building and travel to Level 6 by using the new perimeter escalators or existing elevators. See green arrows on Phase 4 Lvl 5 Passenger Flow.

Passengers arriving via the drop off area on Level 6 will enter the terminal using the side doors on the east and west side of the building in MODs 2 or 3. They may either immediately proceed to the airline check-in desks on Level 6 in MODs 2 or 3 or the existing TSA areas on Level 5. See purple arrows on Phase 3 Lvl 6 Passenger Flow.



Passengers needing access to Concourse A via the AOB corridor will be provided with a passenger corridor through the construction area on the east side of MOD 1 Level 6, as previously outlined in the Phase 3 MOD 1 narrative. See red arrows on Phase 3a Lvl 6 Passenger Flow and Phase 3b Lvl 6 Passenger Flow.

Once the slab extension in MOD 1 Level 6 is complete, temporary passenger walkways will be constructed in order for people to travel through the work area to the A Bridge security checkpoint. See red dashed arrows on Phase 3 Lvl 6 Passenger Flow.

Emergency access will be provided through the work area until temporary walkways can be constructed on the new slab extension

Arriving Passengers

Domestic passengers will enter the terminal via the AGTS. Passengers will travel from Level 4 to Level 5 by using the existing escalators or elevators located on Level 4. The new construction layout will direct them to the south out of MOD 2. Signs will direct passengers to the correct baggage claim or ground transportation provider locations. See light blue arrows on Phase 3 Lvl 5 Passenger Flow. Passengers entering from the A bridge will enter the terminal as they do today and will be directed to the passenger corridor to pass through the construction zone.

International passengers will exit customs on the north end of the terminal on Level 5 as they do today. If an international passenger needs to reach ticketing on Level 6, they can use the new elevators on the perimeter of the building in MOD 2. Otherwise they can exit the terminal as they do today through the doors on the east and west side of the terminal. See pink arrows on Phase 3 Lvl 5 Passenger Flow.

Meeters and Greeters

Meeters and Greeters will be able to enter the terminal on Levels 4, 5, and 6 through perimeter doors in all MODs except MOD 1 Level 6. The old Meet and Greet area outside the AGTS exit in MOD 2 Level 5 was removed during Phase 1. Instead passengers can be met at the temporary meet and greet area located between N11 and N14 in the center of the terminal. This will remain in place until the new landside meeter and greeter plaza is completed in Phase 4.

International passengers can still be greeted in the space outside of international arrivals on Level 5 as they do today.

Airport Employees

Airport employees will be able to continue entering the terminal as they did before or they may use the new employee landside corridor on the west side of Level 6 in order to access the AOB. In order to access the corridor they will have to use the existing elevators at the northwest corner of the terminal to travel from Level 5 to 6 and then walk through a temporary corridor through the work area. See orange arrow on Phase 3 Lvl 6 Employee AOB Access.

7.4 Phase 4 – MODS 1 & 3 – Level 5 – Level 6 Bridges

The major scopes of work included in Phase 4 are:


- Demolition of the existing facilities
- Addition of the extended north crossover walkway on Level 6 and installation of the escalators, elevators, and stairway down to Level 5
- Demolition on the existing North Bridge
- Demolition of the existing South Bridge and construction of the new South Bridge with escalators
- Addition of the new elevators and stairway from Level 5 to the AGTS train platform
- Buildout of the new retail spaces on Level 5 and passenger experience elements
- Construction of the new goods delivery screening area, elevator, and hallway
- Renovation of the existing Level 6 drive aisles on both the east and west side of the terminal including new canopy
- Construction of the two new walkalators in the AOB corridor including employee portal and existing screening area renovation

This phase includes the following Functional Areas:

- 1 (Level 6 West Curbside)
- 2 (Level 6 East Curbside)
- 9 (Vertical transportation Level 6 to Level 5)
- 10 (Level 6 South Bridge)
- 11 (AOB Corridor, TSA check point on A Bridge, FIS)
- 12 (Landside Plaza)
- 13 (Airside Plaza Center MOD 2)
- 14 (Airside Plaza Center MOD 1, International Meeter & Greeter)
- 15 (Vertical transportation Level 5 to Level 4 MOD 1 and 2, retail units, passenger experience element)
- 18 (Goods and materials delivery and screening facility).
- 16 Escalator L5 tot L4 Mod 2 Center
- 20 AOB SSCP Renovation

The work in Functional Area 13 is primarily the buildout of the retail units that were left in a white box configuration in Phase 1 due to the passenger flow constraints discussed in the Phase 1 narrative, as well as, the construction of new passenger experience elements and retail spaces under the pedestrian crossing bridge.

When the new TSA checkpoints become operational on Level 6, at the completion of Phase 3, we will send the screened passengers down to Level 5 via the existing escalators at the existing North Bridge. This will continue until completion of the new crossover with escalators and stairway is completed in Phase 4. A temporary secure corridor will have to be constructed to carry the screened passengers to the new AGTS escalators in the center of MOD 2. This will continue until the completion of the expansion of the existing north crossover. Once the new crossover is complete we will demolish the existing North Bridge and immediately begin construction of the new Level 4 to 5 elevators and stairway which, occupies the existing floor opening in Level 5.



Relocation of TSA to Level 6 also allows us to begin demolition of the existing South Bridge, and construction of the new bridge with the two escalators connecting Level 5 and 6. The pits for these escalators will be constructed on the work platforms in the AGTS tunnels that were installed in Phase 1. We will also be infilling the existing floor opening on Level 5 for the AGTS access, and begin installation of the two new Level 4 to 5 elevators under the new bridge.

Buildout of the new concessions spaces on Level 5, including the new retail space under the new South Bridge will occur during Phase 4. The passenger experience elements incorporated on that level will also be completed during this phase, as well as the new landside meeters and greeters space. At the completion of Phase 4, MODs 2 and 3 Level 5 retail space will become a sterile area.

7.4.1 Art relocation during Phase 4

All Artwork will have been relocated in previous phases.

7.4.2 Phase 4 Passenger Flow

Departing Passengers

Departing passengers may arrive at the terminal in three locations: the Level 5 plaza entrance, Level 5 or Level 6.

Passengers that arrive from the transit center, or are coming from the hotel will enter the terminal as they do today through the plaza entrance doors on the south side of Level 5. They will then move through the construction area in passenger tunnels to the baggage claim area or the new escalators to Level 6. See the red arrows on Phase 4 Lvl 5 Passenger Flow.

Passengers arriving via shuttle, taxi, etc. will be dropped off on Level 5. They will be able to enter the terminal through all doors on the east and west sides of the building. If they need to check in with airlines and/or to pass through security, passengers can travel to Level 6 by using the perimeter escalators or existing elevators. See green arrows on Phase 4 Lvl 5 Passenger Flow.

Passengers arriving via the drop off area on Level 6 will enter the terminal using the side doors on the east and west side of the building. They may either immediately proceed to the airline check in desks on Level 6 in MODs 2 or 3 or continue on to the TSA area in MOD 1. See purple arrows on Phase 4 Lvl 6 Passenger Flow.

The new TSA checkpoint on Level 6 will open at the end of Phase 3. Passengers will be routed from the check in pods to the TSA area in MOD 1 Level 6. After passing through security passengers will be directed down to Level 5 via the existing escalators and elevators at the north bridge or they may walk across the AOB corridor and A Bridge to Concourse A. This path will continue until the new escalators, stairways and elevators at the north end of the terminal are completed connecting the TSA area to Level 5. See orange arrows on Phase 4 Lvl 6 Passenger Flow.

A temporary secure corridor will be used to direct passengers from the existing escalators to the new AGTS escalators in the center of MOD 2. A temporary secure corridor will also connect the two elevators on Level 5, so passengers can switch elevators in order to travel between Levels 6 and the AGTS platform on Level 4. After the new elevators and stairway to Level 4 are finished, passengers will be directed to use them if needed. See the black arrows on Phase 4 Lvl 5 Passenger Flow. The dashed lines indicate the secured corridor route after the new north bridge is opened.

During this phase the South Bridge will be demolished and a new bridge will be built to replace the existing South Bridge with new escalators connecting Levels 5 and 6.

Arriving Passengers

Domestic passengers will enter the terminal via the AGTS. Passengers will travel from Level 4 to Level 5 by using the existing escalators or elevators located on Level 4. Signs will direct passengers to the correct baggage claim locations. See light blue arrows on Phase 4 Lvl 5 Passenger Flow. Passengers entering from the A bridge will enter the terminal as they do today.

International passengers will exit customs on the north end of the terminal on Level 5. They can then either exit the building using any of the perimeter doors or move up to Level 6 to check in with airlines and recheck bags using the new west escalator or existing elevators located in the northwest or northeast corner of MOD 1. See pink arrows on Phase 4 Lvl 5 Passenger Flow.



Meeters and Greeters

Meeters and Greeters will be able to enter the terminal on Levels 4, 5, and 6 through perimeter doors in all MODs except MOD 1 Level 6. The meet and greet area designated in Phases 2 and 3 will remain in service until the new landside retail spaces are open.

International passengers can still be greeted in the space outside of international arrivals on Level 5 as they do today. Construction of this area will occur during this phase and be sequenced to maintain access.

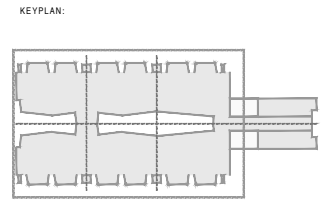
Airport Employees


Airport employees will be able to continue entering the terminal as they do today and use the new employee landside corridor on the west side of Level 6 in order to access the AOB. A temporary employee portal will also be located in MOD 2 West and will be attached to a temporary secure corridor. Employees that need to access the AGTS may use this entrance. See black arrow on Phase 4 Lvl 6 as well as the orange arrow on Phase 4 Lvl 5 Passenger Flow.

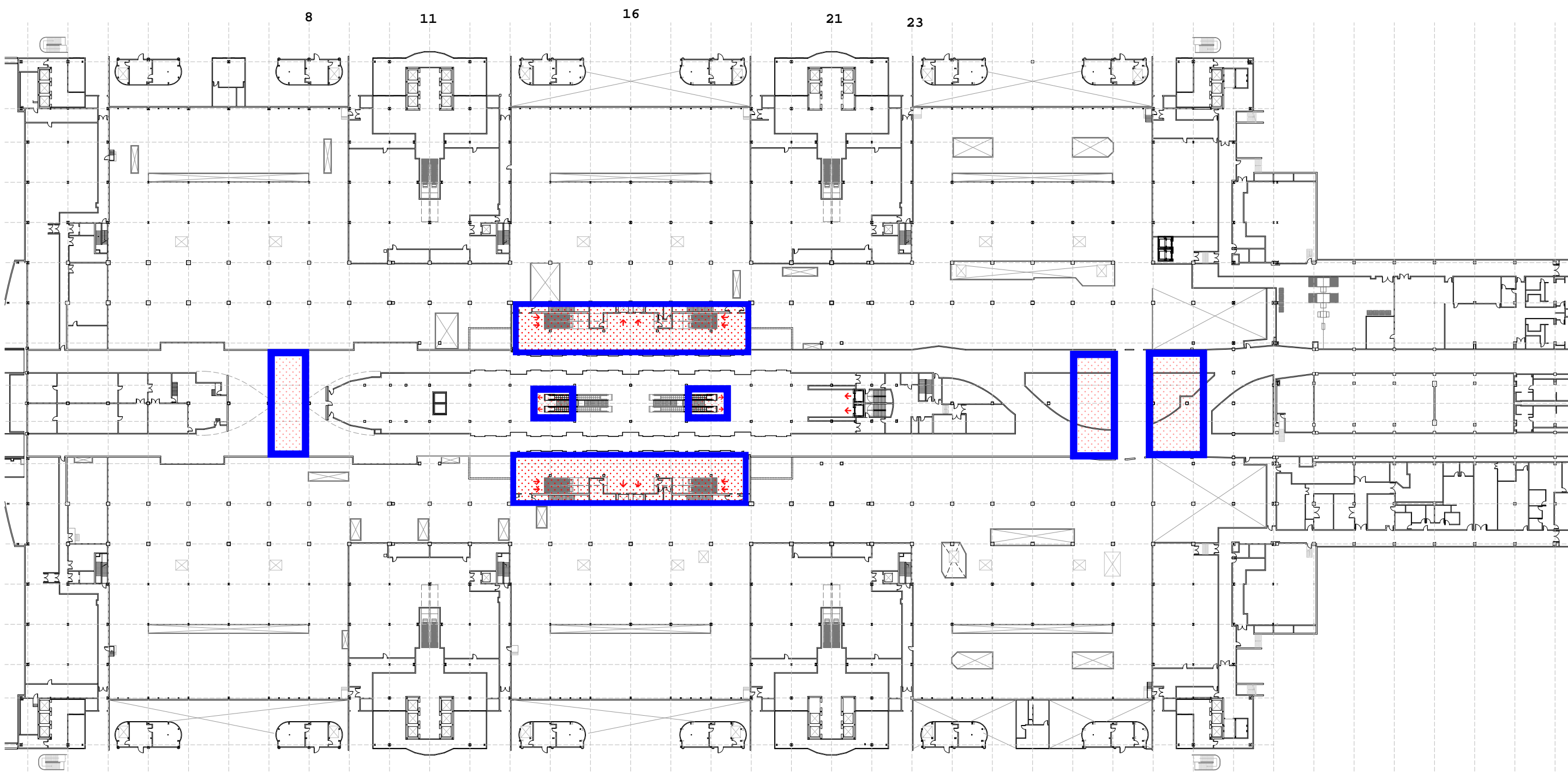


APPENDIX A: CONSTRUCTION PHASING DRAWINGS

See drawings attached



LEGEND:
 Work Area



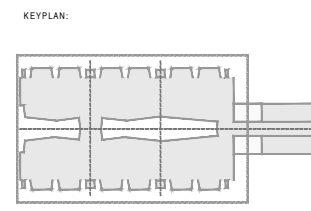
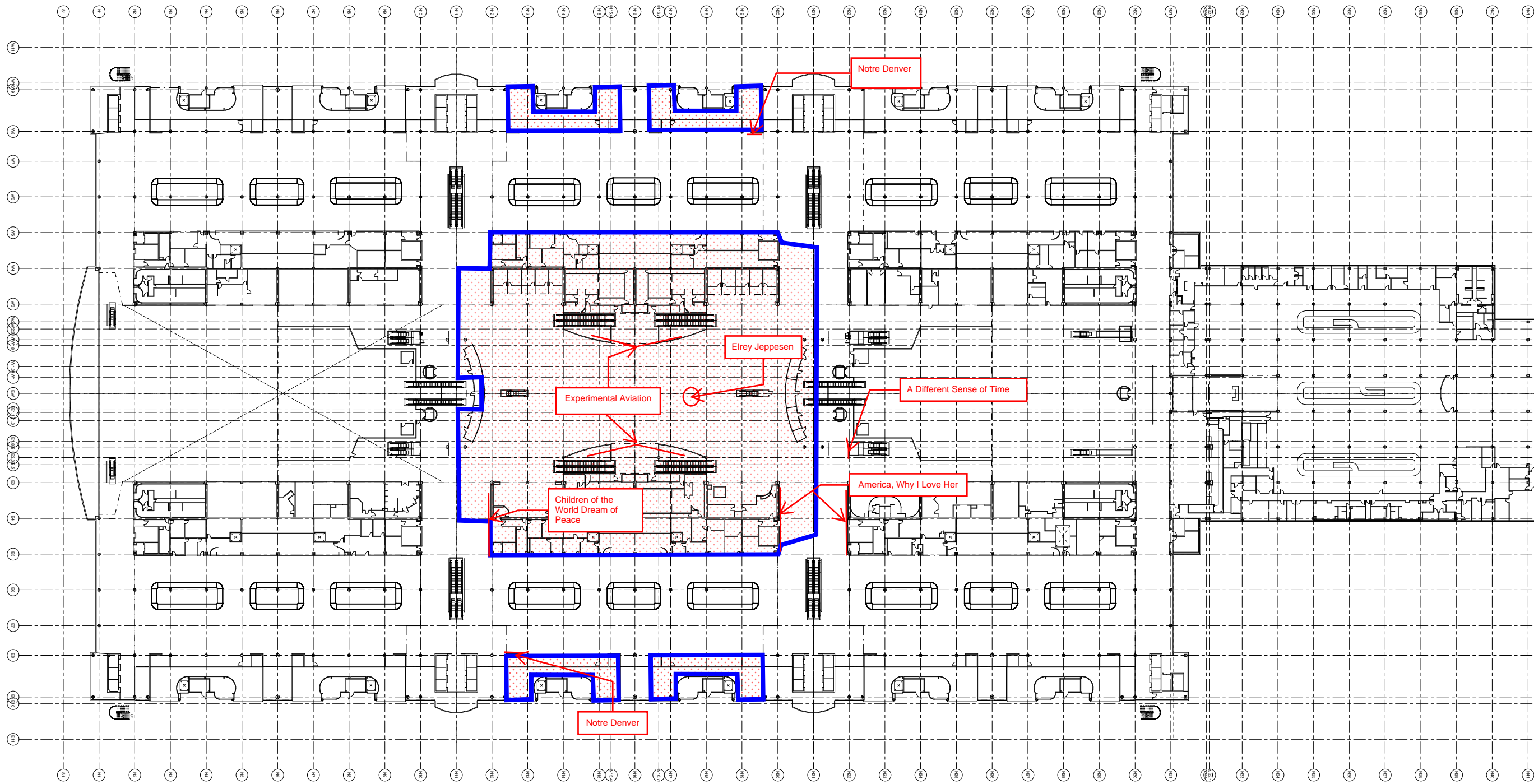
Phase 1 Lvl 4 Work Area

Phase 1 Duration: 10 months
Version 3: July 12, 2017

PROJECT NAME:
THE GREAT HALL PROJECT

DESIGNED BY:
ferrovial agroman US Corp. **SAUNDERS**

CONSULTANT:
LVA
luis vidal + architects



LEGEND:

- WORK AREA
- EXISTING ART

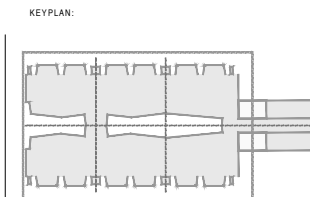
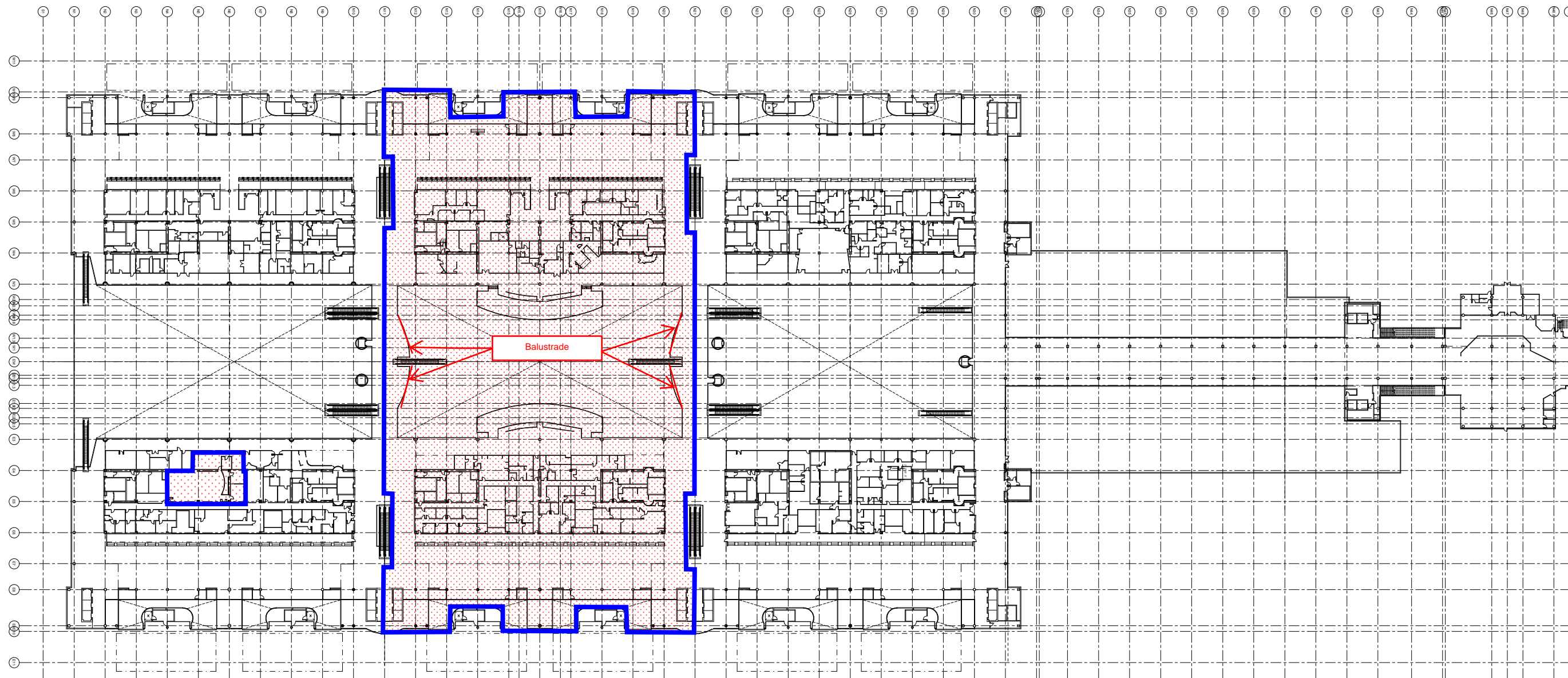
PROJECT NAME:
THE GREAT HALL PROJECT

DESIGNED BY:
ferrovial SAUNDERS
agraman US Corp.

CONSULTANT:
LVA
luis vidal + architects

Phase 1 Lvl 5 Work Area

Phase 1 Duration: 10 months
Version 3: July 12, 2017



- LEGEND:
-  WORK AREA
 -  EXISTING ART

PROJECT NAME:
THE GREAT HALL PROJECT

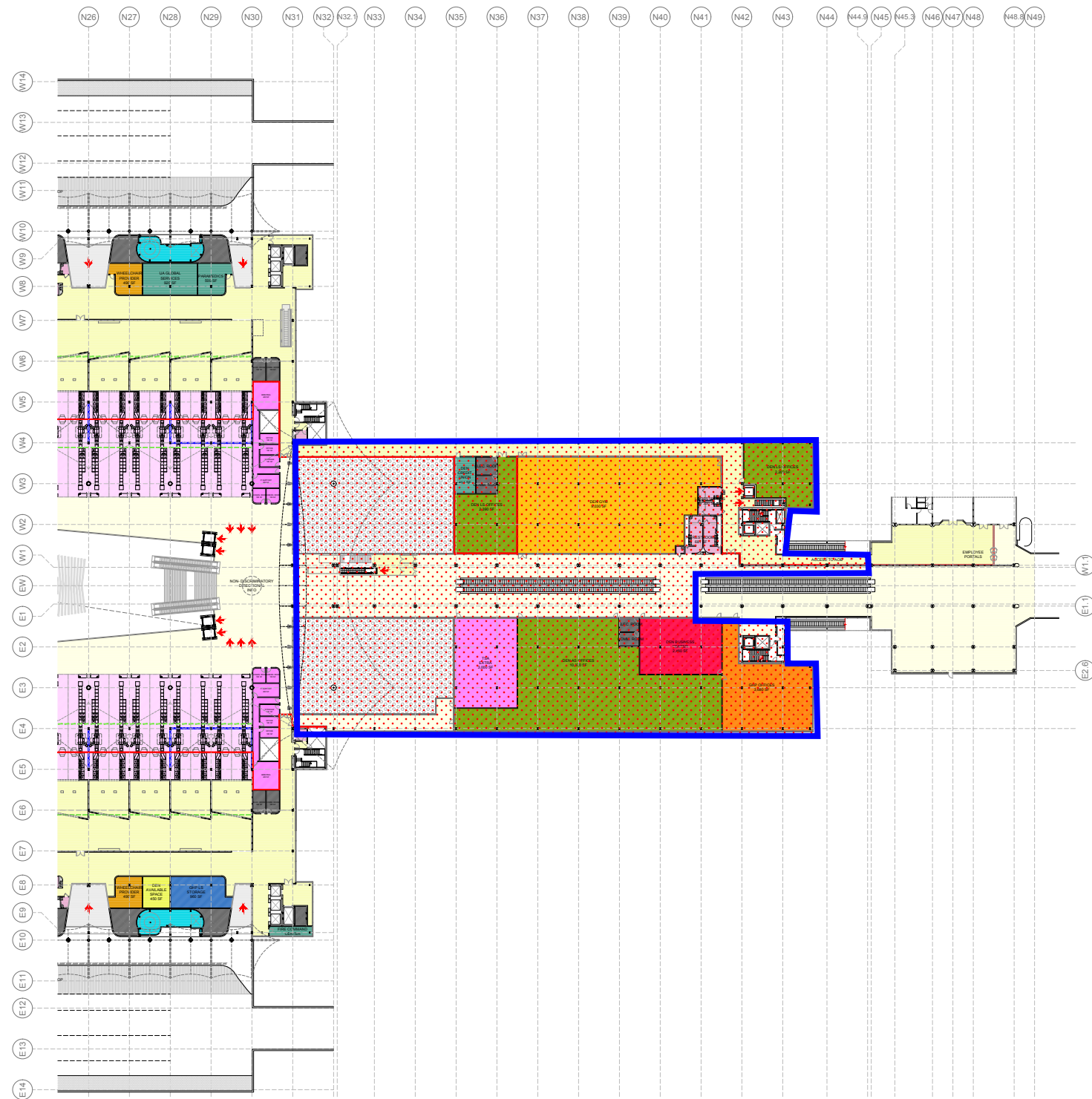
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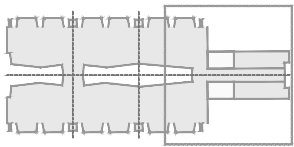
CONSULTANT:
LVA
 luis vidal + architects

Phase 1 Lvl 6 Work Area

Phase 1 Duration: 10 months
Version 3: July 12, 2017



KEYPLAN:



LEGEND:

- BAGGAGE FACILITIES
- LANDSIDE CIRCULATION
- AIRSIDE CIRCULATION
- TSA
- TSA SUPPORT
- PET SHOP
- RETAIL UNITS- FOOD & BEVERAGE
- RETAIL UNITS- CONVENIENCE
- AIRLINE OFFICES
- MEP
- ENTRANCES AND VERTICAL CIRCULATION
- WHEELCHAIR PROVIDERS
- NURSING ROOM
- RESTROOMS
- STORAGE FOR RETAIL
- OTHER SERVICES
- Work Area

PROJECT NAME:

THE GREAT HALL PROJECT

DESIGNED BY:

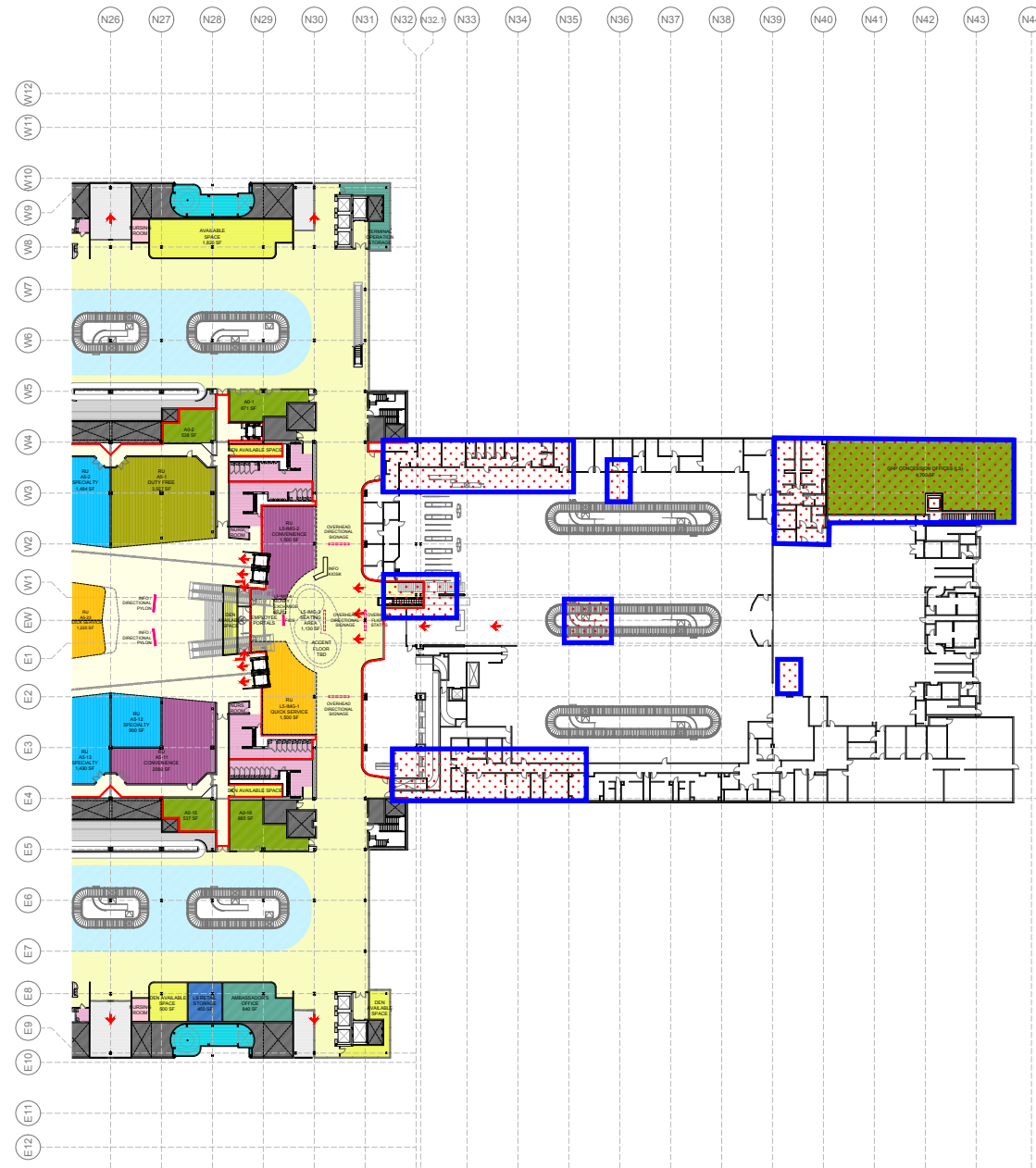


CONSULTANT:

LVA
luis vidal + architects

AOB Lvl 6 Work Area

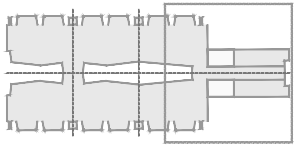
AOB Work Duration: 18 months
Version 3: July 12, 2017



AOB Lvl 5 Work Area

AOB Work Duration: 18 months
Version 3: July 12, 2017

KEYPLAN:



LEGEND:



PROJECT NAME:

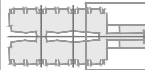
THE GREAT HALL PROJECT

DESIGNED BY:

ferrovial SAUNDERS
agroman US Corp.

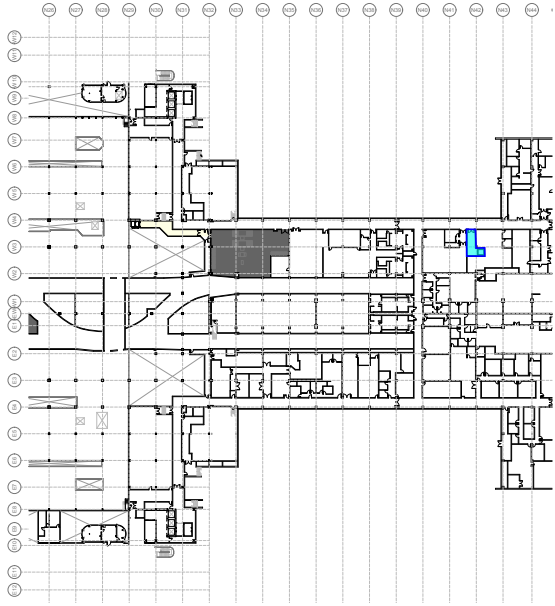
CONSULTANT:

LVA
luis vidal + architects



LEGEND

- GOOD SCREENING FACILITIES
- GOOD SCREENING CIRCULATION AREA
- WORK AREA



AOB Lvl 4 Work Area

AOB Work Duration: 18 months
Version 3: July 12, 2017

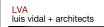
PROJECT NAME

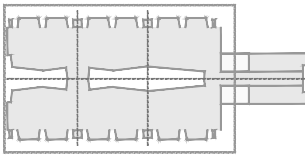
THE GREAT HALL PROJECT

PERFORMED BY









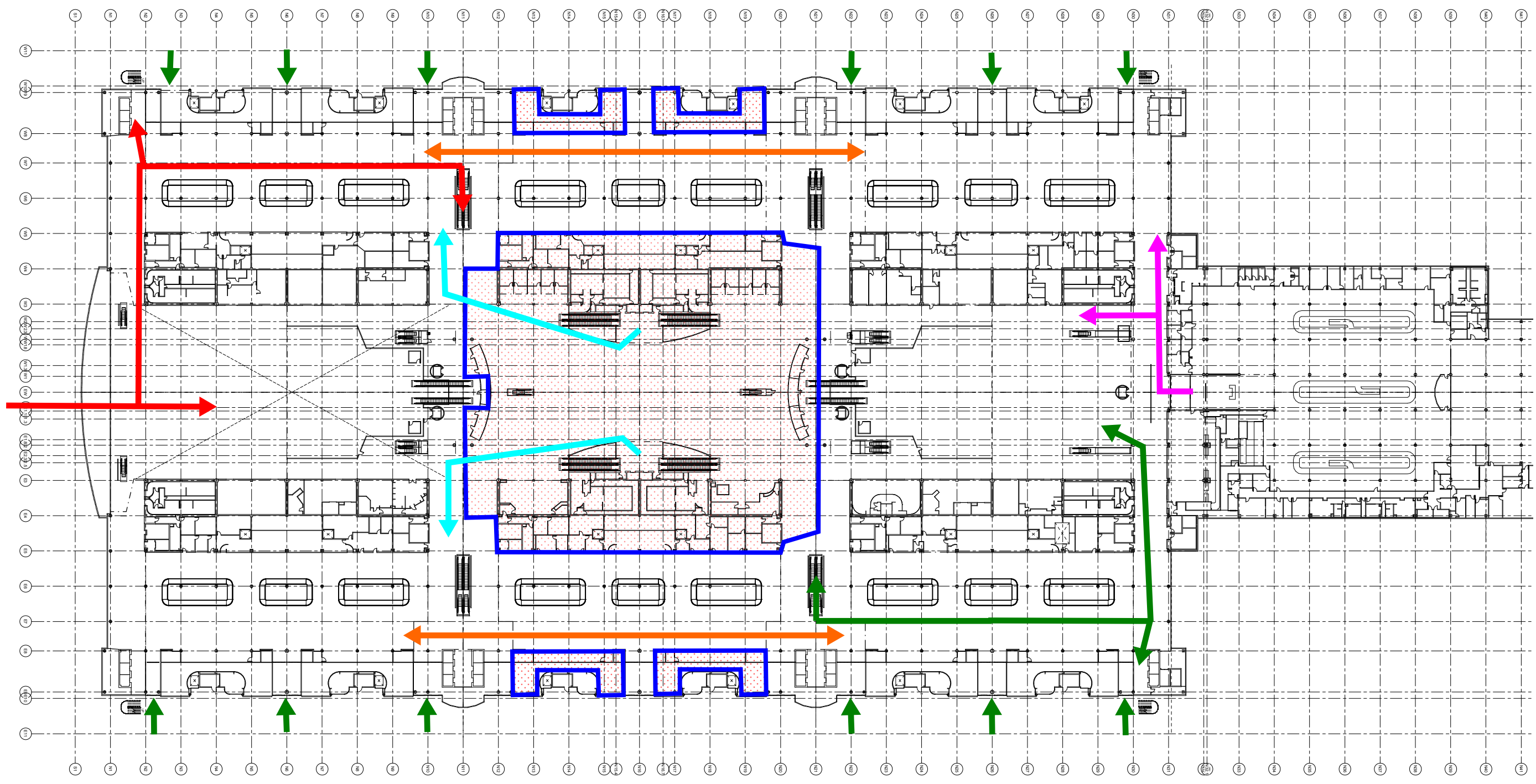
CONSULTANT





LEGEND:

-  Work Area
-  Departing passengers from train or hotel*
-  Departing passengers arriving via public transportation, etc.*
-  Path between MODS during construction
-  Arriving pedestrian tunnel out of AGTS
-  International passengers*



Phase 1 Lvl 5 Passenger Flow

**Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.*

PROJECT NAME:

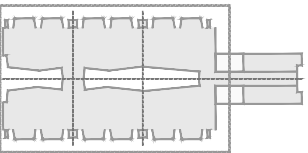
THE GREAT HALL PROJECT

DESIGNED BY:







ferrovial 
agroman US Corp.

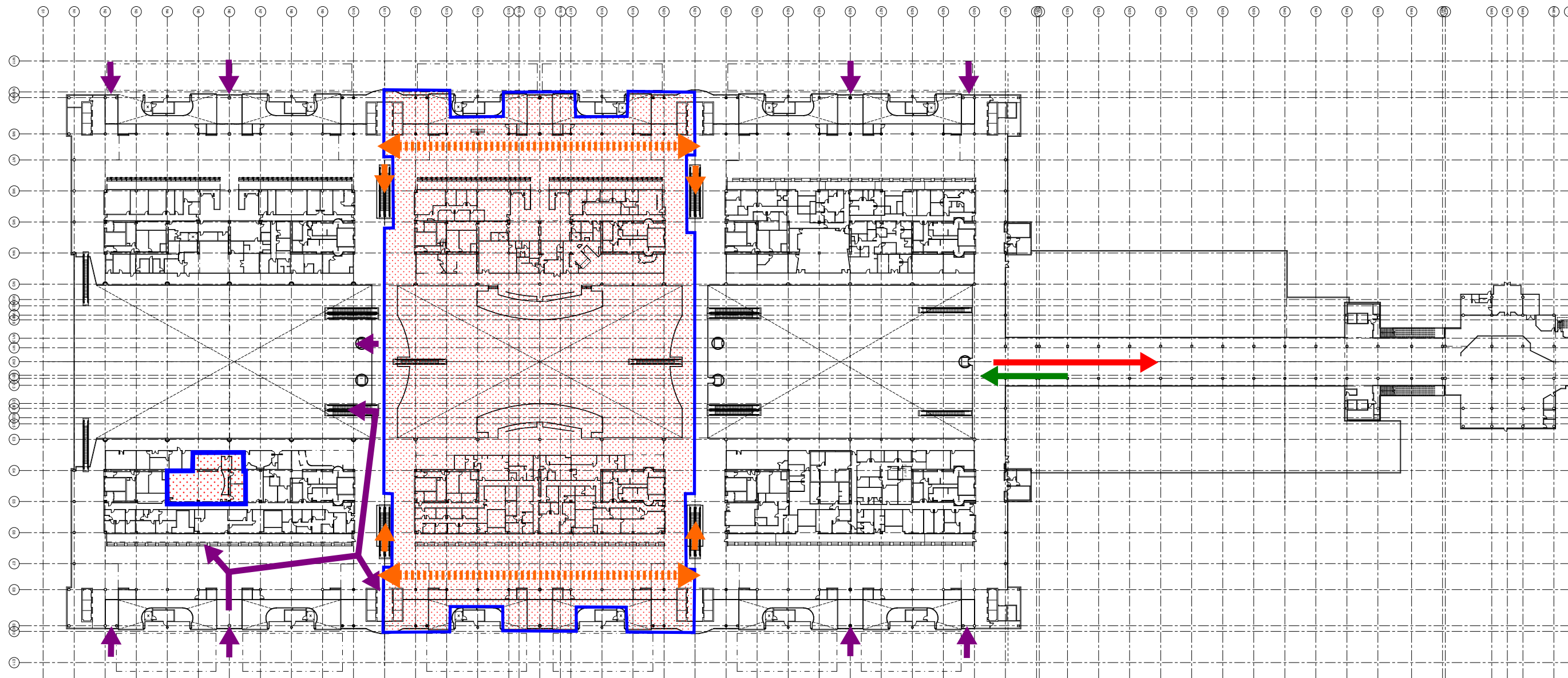
CONSULTANT:

LVA
luis vidal + architects



LEGEND:

-  Work Area
-  Departing passengers from drop off area*
-  Path to A bridge security
-  Path between MODS during construction
-  Pedestrian tunnel between MODS during construction
-  Arriving A Concourse passengers



Phase 1 Lvl 6 Passenger Flow

PROJECT NAME:

THE GREAT HALL PROJECT

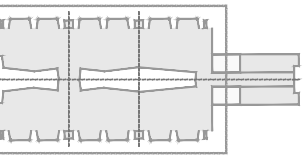
DESIGNED BY:



CONSULTANT:

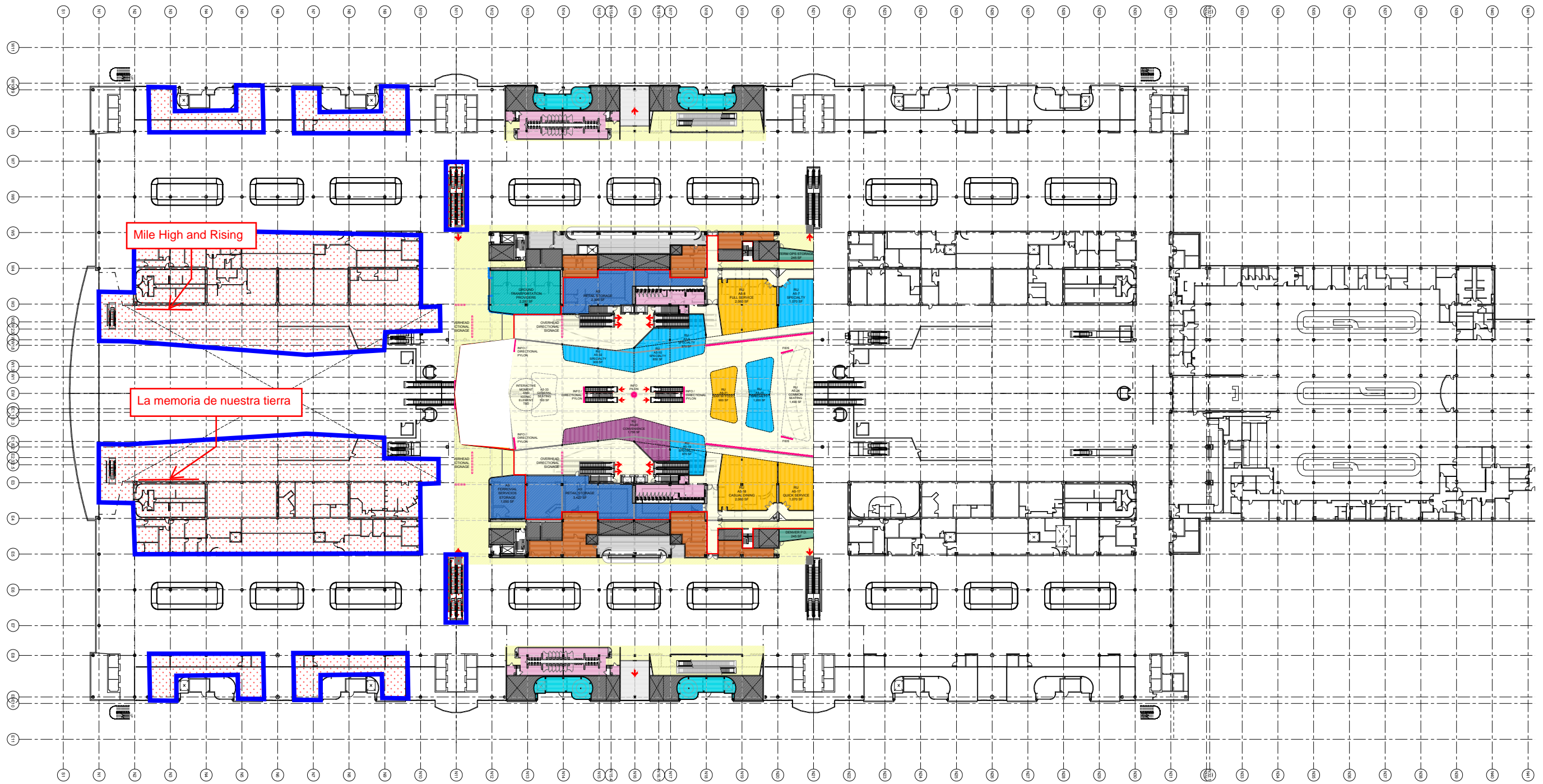
LVA
luis vidal + architects

**Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.*



LEGEND:

- BAGGAGE FACILITIES
- LANDSIDE CIRCULATION
- AIRSIDE CIRCULATION
- RETAIL UNITS- FOOD & BEVERAGE
- RETAIL UNITS- CONVENIENCE
- RETAIL UNITS- SPECIALTY
- RETAIL UNITS- DUTY FREE
- AIRLINE FACILITIES
- MEP
- ENTRANCES AND VERTICAL CIRCULATION
- NURSING ROOM
- RESTROOMS
- STORAGE FOR RETAIL
- PRAYER ROOMS
- OTHER SERVICES
- AVAILABLE SPACES
- WORK AREA
- EXISTING ART



PROJECT NAME:

THE GREAT HALL PROJECT

DESIGNED BY:

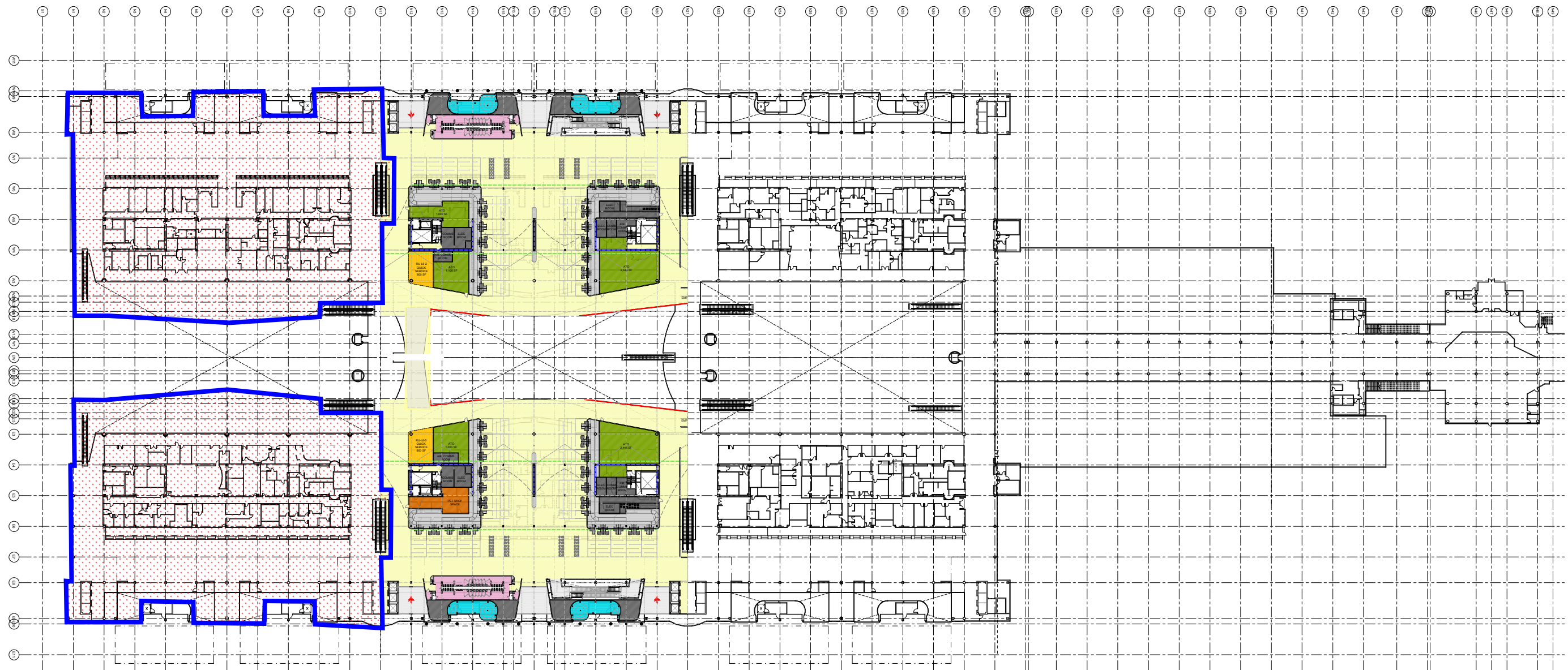


CONSULTANT:

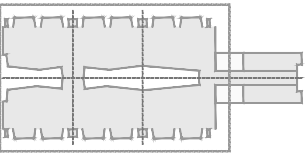
LVA
luis vidal + architects

Phase 2 Lvl 5 Work Area

Phase 2 Duration: 9 months
Version 3: July 12, 2017



KEYPLAN:



LEGEND:

- BAGGAGE FACILITIES
- LANDSIDE CIRCULATION
- AIRSIDE CIRCULATION
- TSA
- TSA SUPPORT
- PET SHOP
- RETAIL UNITS- FOOD & BEVERAGE
- RETAIL UNITS- CONVENIENCE
- AIRLINE OFFICES
- MEP
- ENTRANCES AND VERTICAL CIRCULATION
- WHEELCHAIR PROVIDERS
- NURSING ROOM
- RESTROOMS
- STORAGE FOR RETAIL
- OTHER SERVICES
- WORK AREA

PROJECT NAME:

THE GREAT HALL PROJECT

DESIGNED BY:

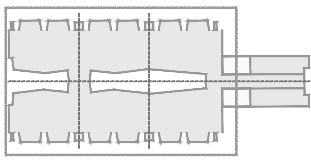
ferrovial **SAUNDERS**
agroman US Corp.

CONSULTANT:

LVA
luis vidal + architects

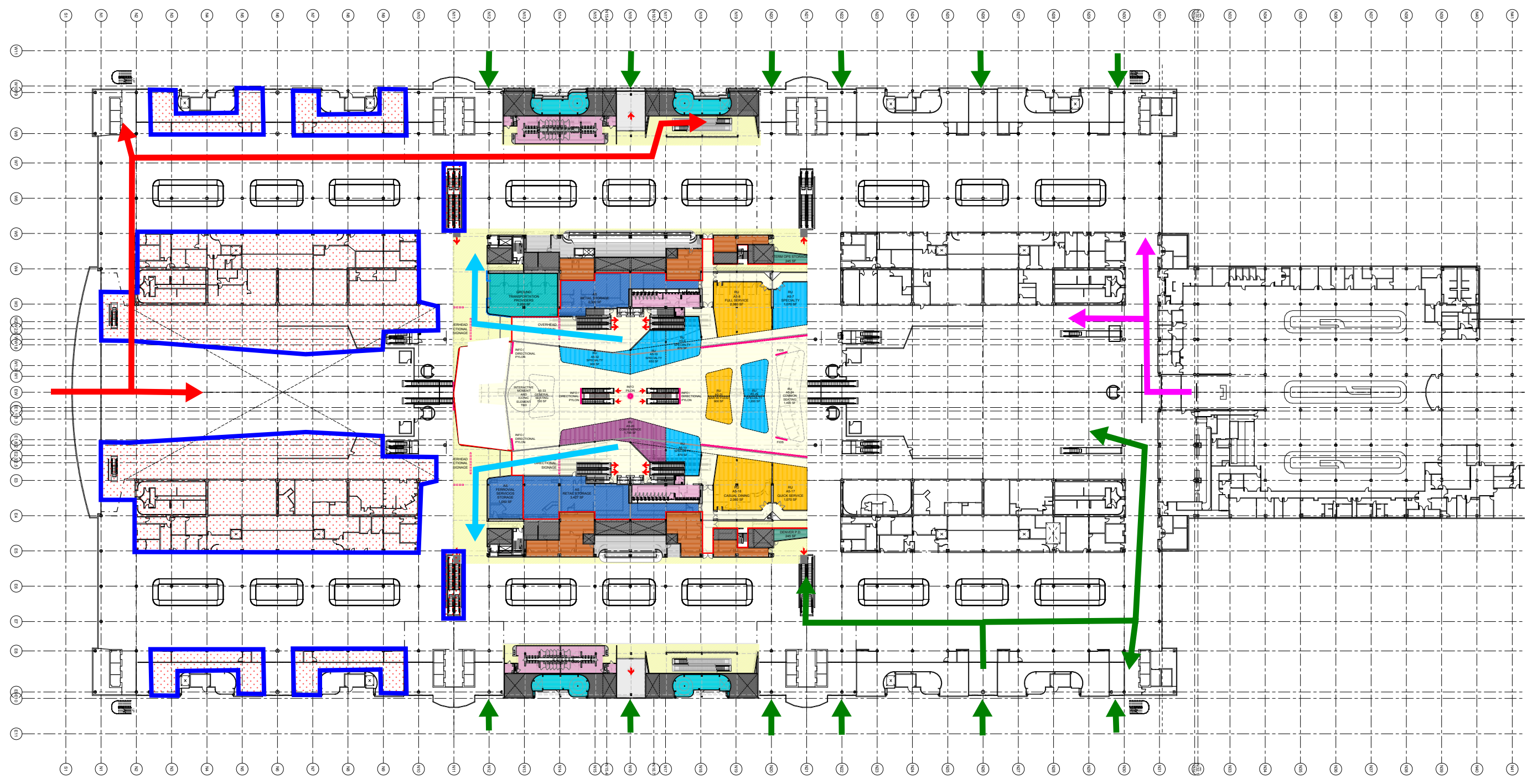
Phase 2 Lvl 6 Work Area

Phase 2 Duration: 9 months
Version 3: July 12, 2017



LEGEND:

- Work Area
- BAGGAGE FACILITIES
- LANDSIDE CIRCULATION
- AIRSIDE CIRCULATION
- RETAIL UNITS-FOOD & BEVERAGE
- RETAIL UNITS-CONVENIENCE
- RETAIL UNITS-SPECIALTY
- RETAIL UNITS-DUTY FREE
- AIRLINE FACILITIES
- MEP
- ENTRANCES AND VERTICAL CIRCULATION
- NURSING ROOM
- RESTROOMS
- STORAGE FOR RETAIL
- PRAYER ROOMS
- OTHER SERVICES
- AVAILABLE SPACES
- Departing passengers from train or hotel*
- Departing passengers arriving via public transportation, etc.*
- Path between MODS during construction
- Arriving pedestrian tunnel out of AGTS
- International passengers*



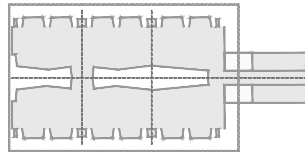
Phase 2 Lvl 5 Passenger Flow

*Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.









PROJECT NAME:
THE GREAT HALL PROJECT

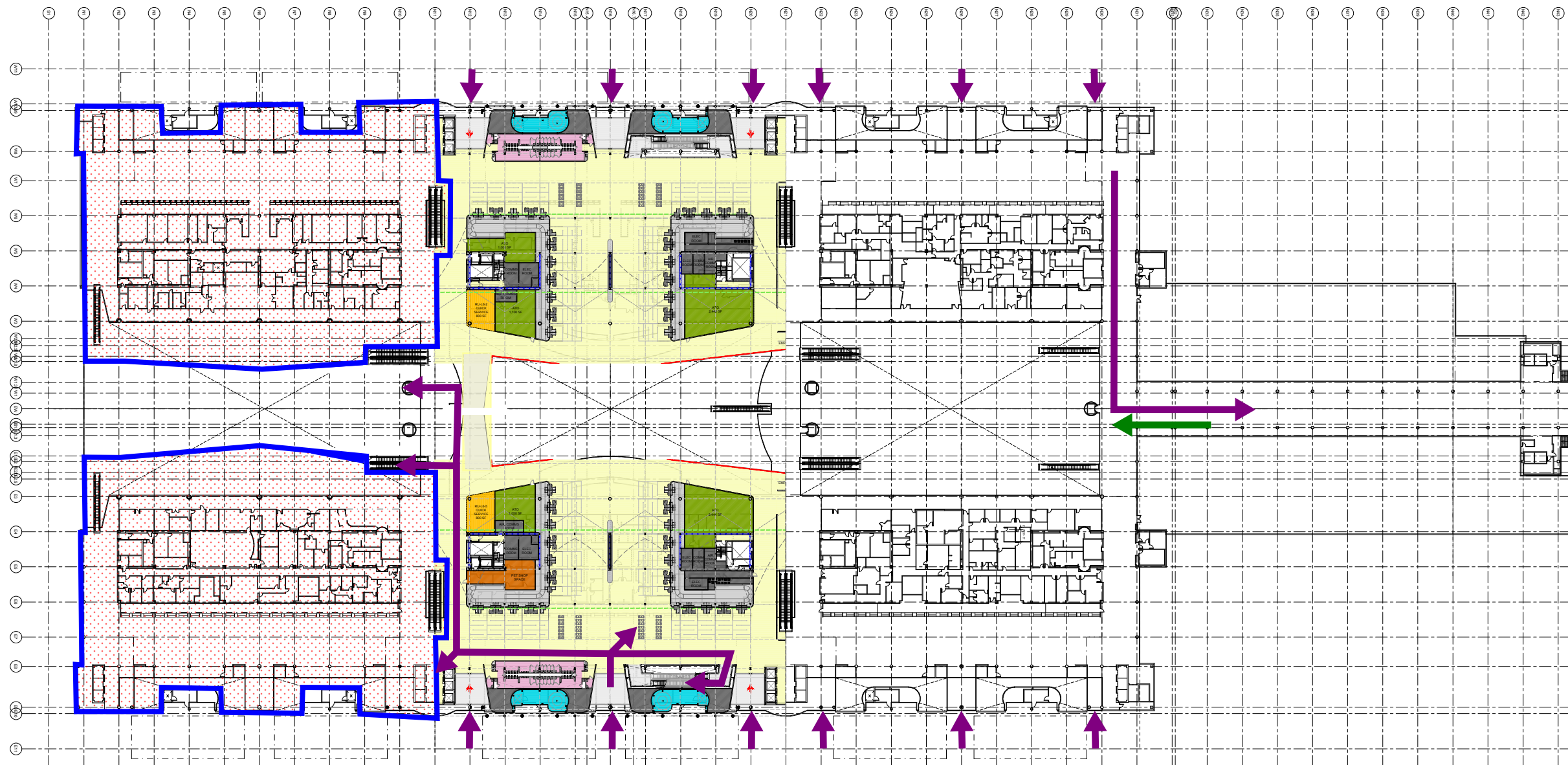
DESIGNED BY:
ferrovial SAUNDERS
agroman US Corp.

CONSULTANT:
LVA
luis vidal + architects



LEGEND:

-  Work Area
-  BAGGAGE FACILITIES
-  LANDSIDE CIRCULATION
-  AIRSIDE CIRCULATION
-  TSA
-  TSA SUPPORT
-  PET SHOP
-  RETAIL UNITS- FOOD & BEVERAGE
-  RETAIL UNITS- CONVENIENCE
-  AIRLINE OFFICES
-  MEP
-  ENTRANCES AND VERTICAL CIRCULATION
-  WHEELCHAIR PROVIDERS
-  NURSING ROOM
-  RESTROOMS
-  STORAGE FOR RETAIL
-  OTHER SERVICES
-  Departing passengers from drop off area*
-  Arriving A Concourse passengers



Phase 2 Lvl 6 Passenger Flow

**Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.*

PROJECT NAME:

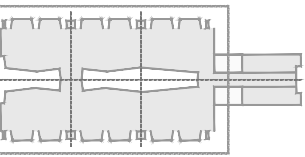
THE GREAT HALL PROJECT

DESIGNED BY:

ferrovial 
 agroman US Corp.

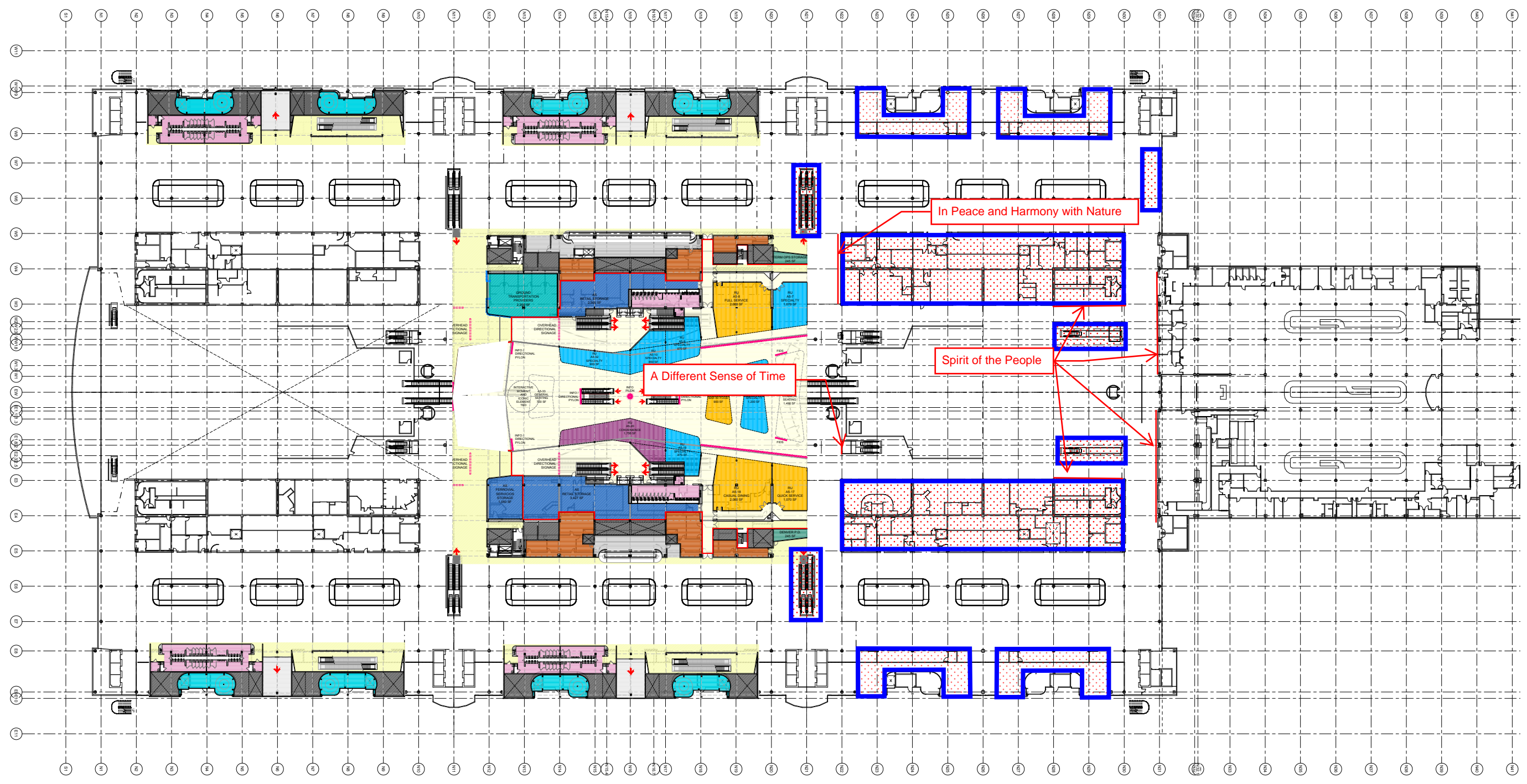
CONSULTANT:

LVA
 luis vidal + architects



LEGEND:

- BAGGAGE FACILITIES
- LANDSIDE CIRCULATION
- AIRSIDE CIRCULATION
- RETAIL UNITS- FOOD & BEVERAGE
- RETAIL UNITS- CONVENIENCE
- RETAIL UNITS- SPECIALTY
- RETAIL UNITS- DUTY FREE
- AIRLINE FACILITIES
- MEP
- ENTRANCES AND VERTICAL CIRCULATION
- NURSING ROOM
- RESTROOMS
- STORAGE FOR RETAIL
- PRAYER ROOMS
- OTHER SERVICES
- AVAILABLE SPACES
- WORK AREA



PROJECT NAME:

THE GREAT HALL PROJECT

DESIGNED BY:

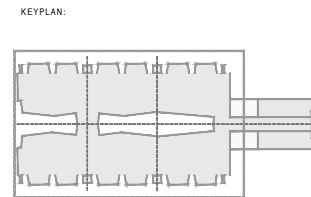
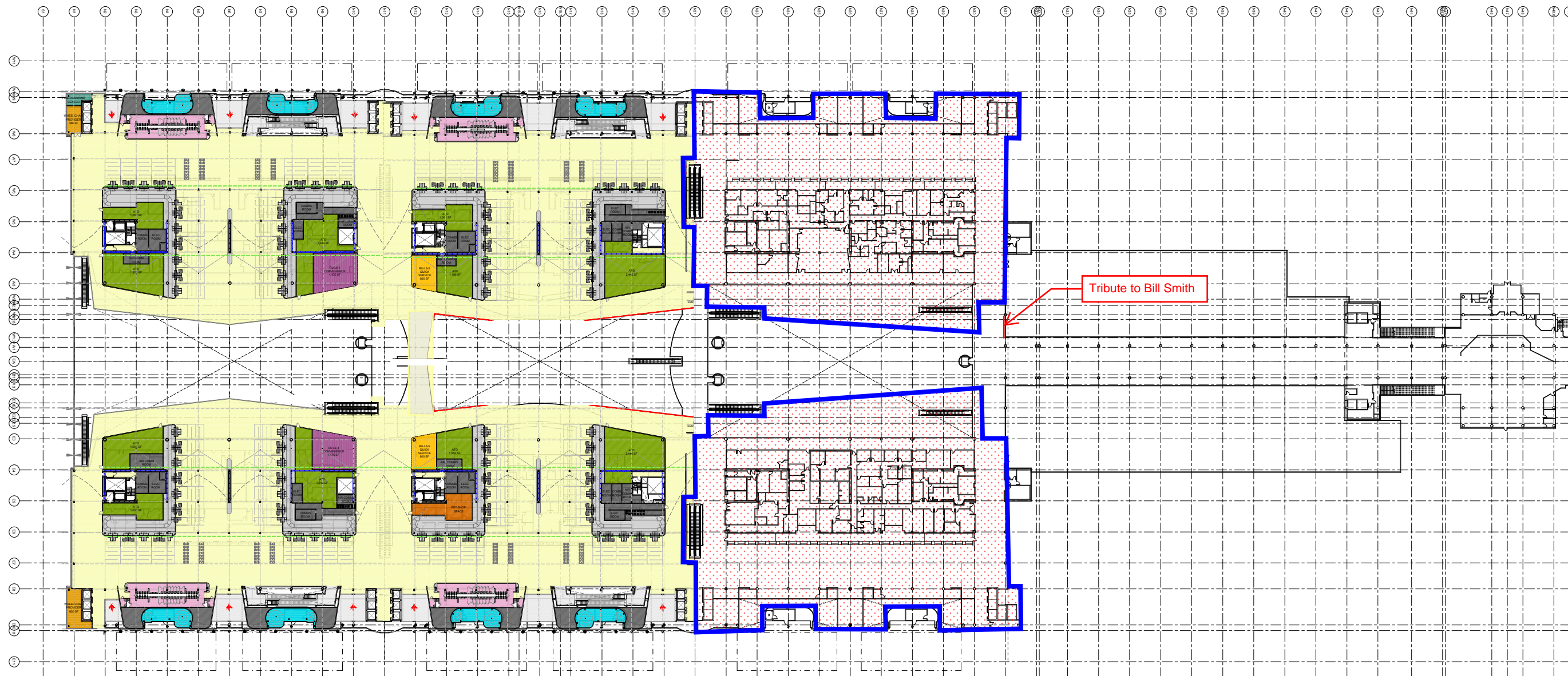
ferrovial agroman US Corp. **SAUNDERS**

CONSULTANT:

LVA luis vidal + architects

Phase 3 Lvl 5 Work Area

Phase 3 Duration: 9 months
Version 3: July 12, 2017



- LEGEND:
- BAGGAGE FACILITIES
 - LANDSIDE CIRCULATION
 - AIRSIDE CIRCULATION
 - TSA
 - TSA SUPPORT
 - PET SHOP
 - RETAIL UNITS- FOOD & BEVERAGE
 - RETAIL UNITS- CONVENIENCE
 - AIRLINE OFFICES
 - MEP
 - ENTRANCES AND VERTICAL CIRCULATION
 - WHEELCHAIR PROVIDERS
 - NURSING ROOM
 - RESTROOMS
 - STORAGE FOR RETAIL
 - OTHER SERVICES
 - WORK AREA

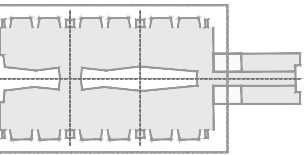
PROJECT NAME:
THE GREAT HALL PROJECT

DESIGNED BY:

 agroman US Corp.

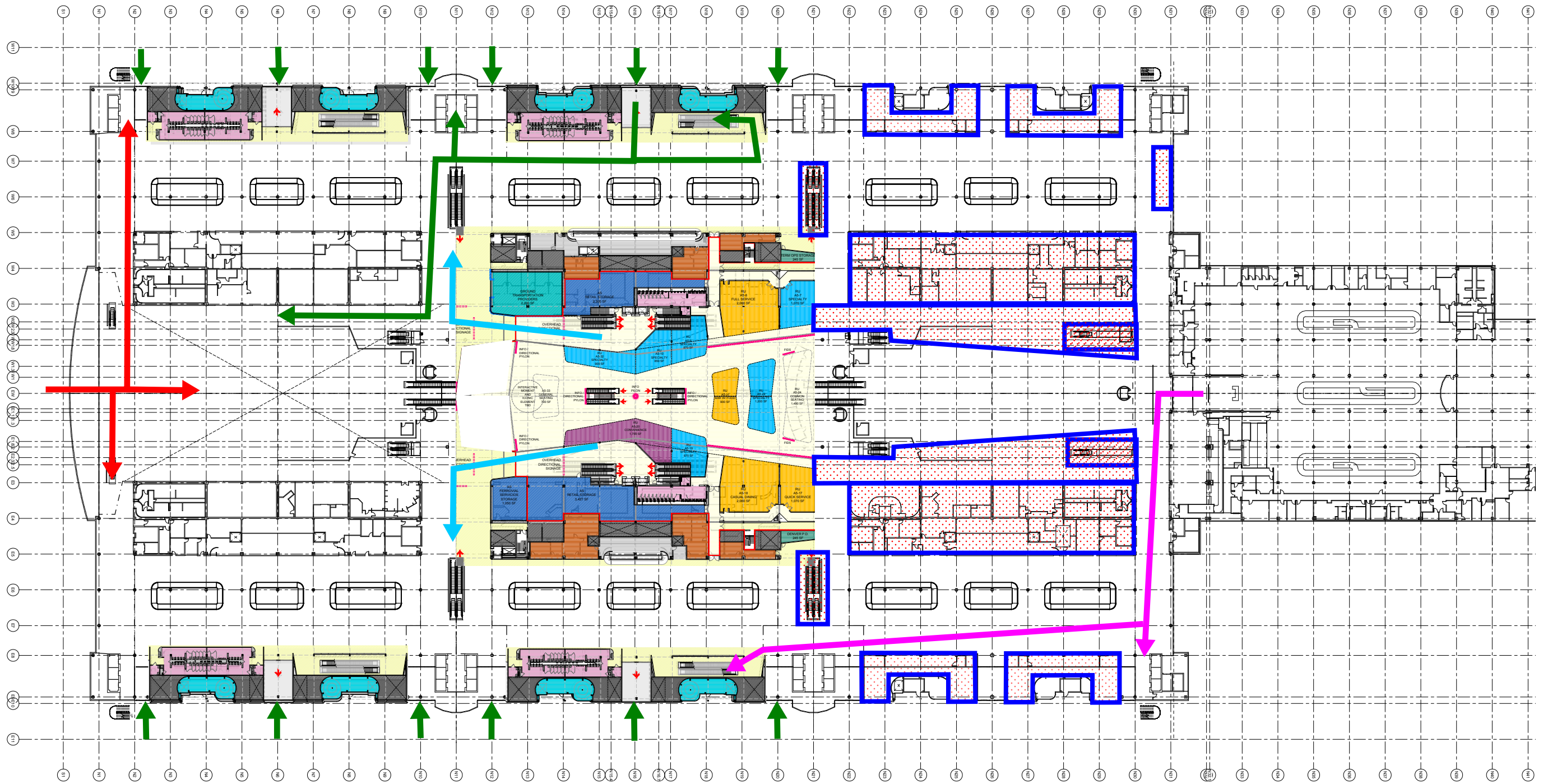
Phase 3 Lvl 6 Work Area

Phase 3 Duration: 9 months
Version 3: July 12, 2017



LEGEND:

- Work Area
 - BAGGAGE FACILITIES
 - LANDSIDE CIRCULATION
 - AIRSIDE CIRCULATION
 - RETAIL UNITS- FOOD & BEVERAGE
 - RETAIL UNITS- CONVENIENCE
 - RETAIL UNITS- SPECIALTY
 - RETAIL UNITS- DUTY FREE
 - AIRLINE FACILITIES
 - MEP
 - ENTRANCES AND VERTICAL CIRCULATION
 - NURSING ROOM
 - RESTROOMS
 - STORAGE FOR RETAIL
 - PRAYER ROOMS
 - OTHER SERVICES
 - AVAILABLE SPACES
- ➔ Departing passengers from train or hotel*
 - ➔ Departing passengers arriving via public transportation, etc.*
 - ➔ Path between MODS during construction
 - ➔ Pedestrian tunnel out of AGTS
 - ➔ International passengers*



Phase 3 Lvl 5 Passenger Flow

**Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.*

PROJECT NAME:

THE GREAT HALL PROJECT

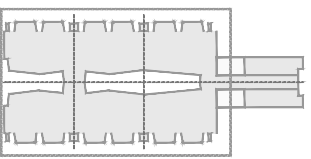
DESIGNED BY:



CONSULTANT:

LVA
luis vidal + architects

KEYPLAN:



LEGEND:

- Work Area
- BAGGAGE FACILITIES
- LANDSIDE CIRCULATION
- AIRSIDE CIRCULATION
- TSA
- TSA SUPPORT
- PET SHOP
- RETAIL UNITS- FOOD & BEVERAGE
- RETAIL UNITS- CONVENIENCE
- AIRLINE OFFICES
- MEP
- ENTRANCES AND VERTICAL CIRCULATION
- WHEELCHAIR PROVIDERS
- NURSING ROOM
- RESTROOMS
- STORAGE FOR RETAIL
- OTHER SERVICES

- Departing passengers from drop off area*
- Passenger walkway
- Arriving A Concourse passengers

PROJECT NAME:

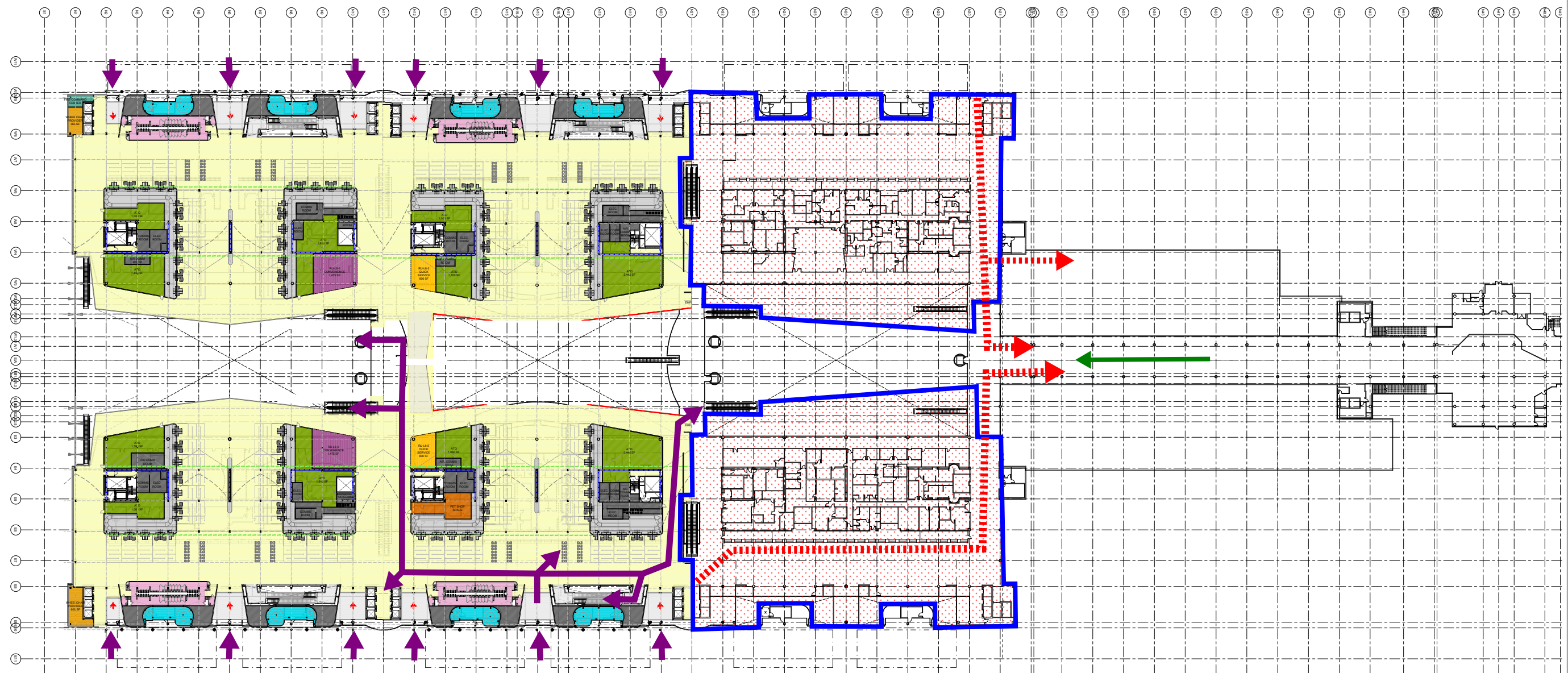
THE GREAT HALL PROJECT

DESIGNED BY:



CONSULTANT:

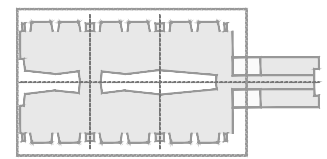
LVA
luis vidal + architects



Phase 3a Lvl 6 Passenger Flow **

**Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.*

***Passenger flow before new slab construction.*



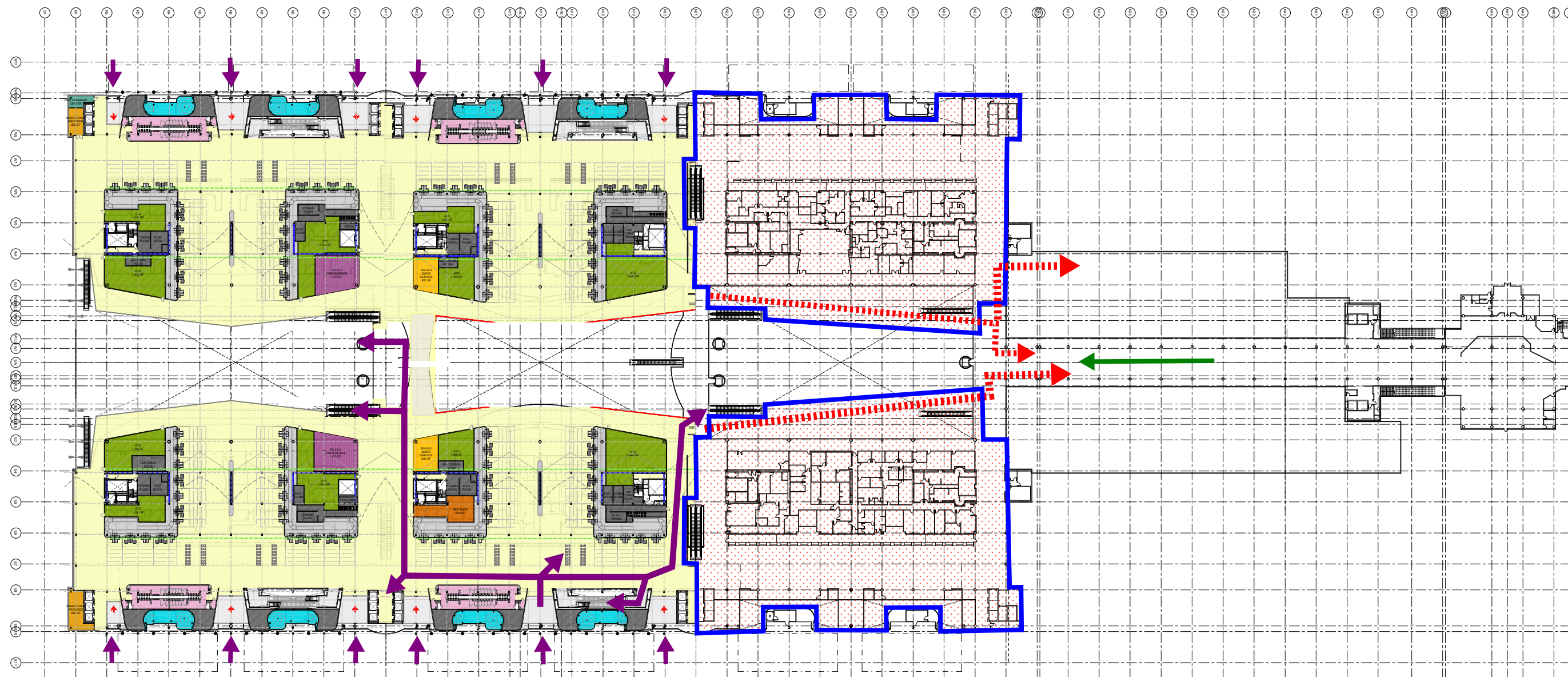
- LEGEND:
- Work Area
 - BAGGAGE FACILITIES
 - LANDSIDE CIRCULATION
 - AIRSIDE CIRCULATION
 - TSA
 - TSA SUPPORT
 - PET SHOP
 - RETAIL UNITS- FOOD & BEVERAGE
 - RETAIL UNITS- CONVENIENCE
 - AIRLINE OFFICES
 - MEP
 - ENTRANCES AND VERTICAL CIRCULATION
 - WHEELCHAIR PROVIDERS
 - NURSING ROOM
 - RESTROOMS
 - STORAGE FOR RETAIL
 - OTHER SERVICES

- Departing passengers from drop off area*
- Passenger walkway*
- Arriving A Concourse passengers

PROJECT NAME:
THE GREAT HALL PROJECT

DESIGNED BY:
ferrovial agroman US Corp. **SAUNDERS**

CONSULTANT:

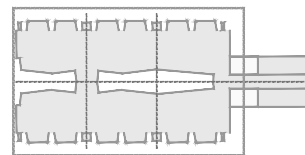


Phase 3b Lvl 6 Passenger Flow **

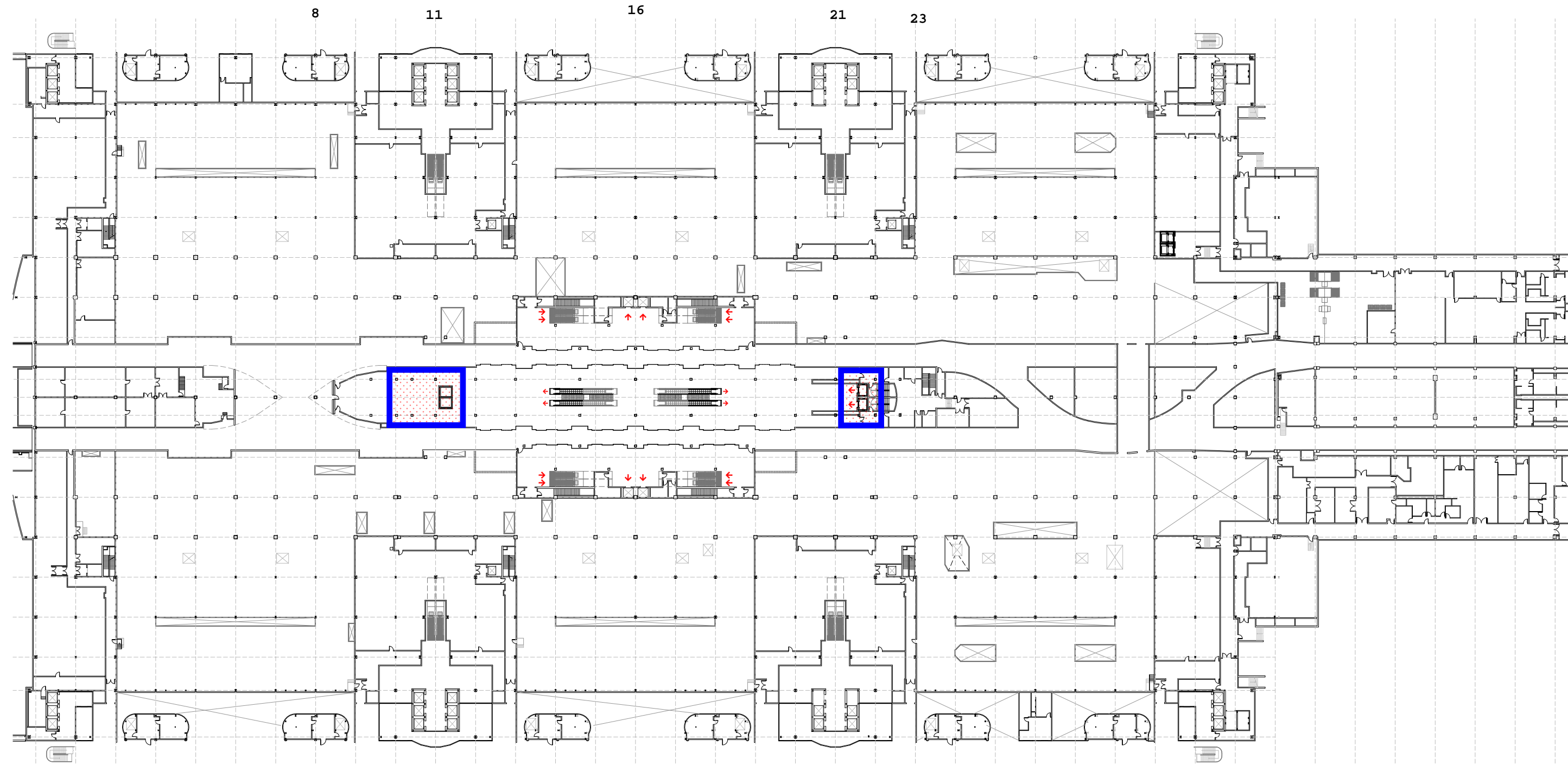
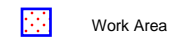
**Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.*

***Passenger flow after the new slab is built.*

KEYPLAN:



LEGEND:



Phase 4 Lvl 4 Work Area

Phase 4 Duration: 12 months
Version 3: July 12, 2017

PROJECT NAME:

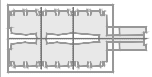
THE GREAT HALL PROJECT

DESIGNED BY:



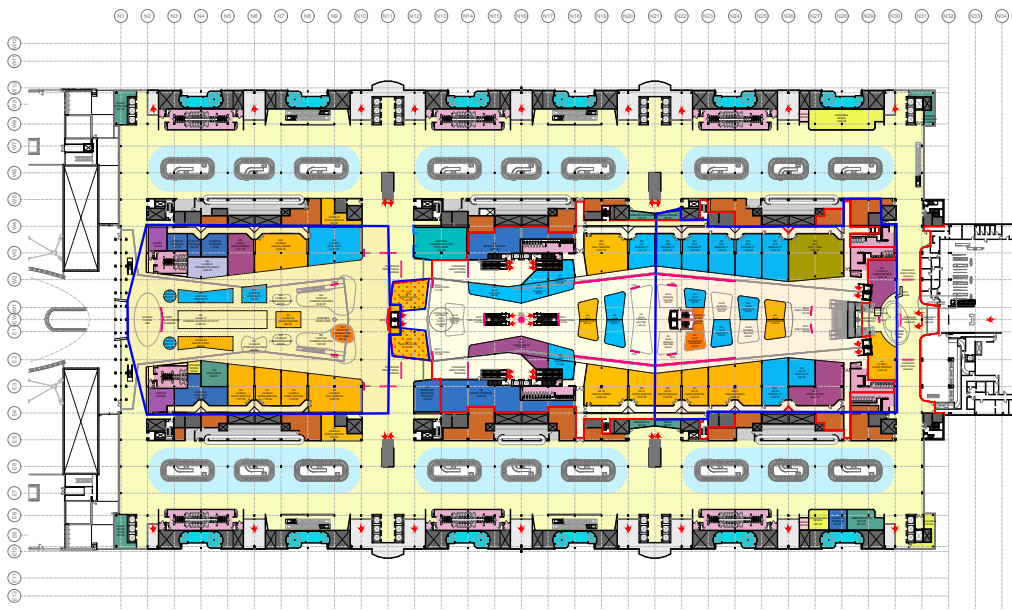
CONSULTANT:

LVA
luis vidal + architects



LEGEND

- BAGGAGE PROFILES
- LAMBER CIRCULATION
- BRIDGE CIRCULATION
- RETAIL LOTS FOOD & BEVERAGE
- RETAIL LOTS CONSUMER
- RETAIL LOTS SPECIALTY
- RETAIL LOTS GIFT AREA
- LINGERIE PROFILES
- RAMP
- ENTRANCES AND INTERNAL CIRCULATION
- AIRRAIL ROSS
- RESTROOMS
- STORAGE FOR RETAIL
- PRAYER ROOMS
- OTHER SERVICES
- AVAILABLE SPACES
- WORK AREA



Phase 4 Lvl 5 Work Area

Phase 4 Duration: 12 months
 Version 3: July 12, 2017

PROJECT NAME

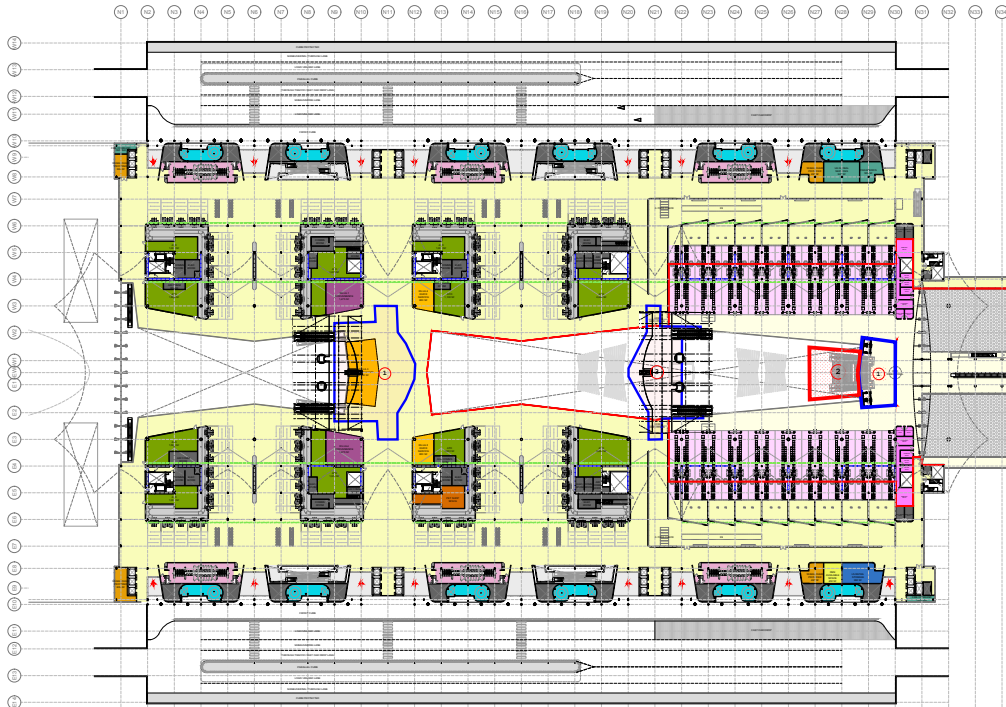
THE GREAT HALL PROJECT

DESIGNED BY



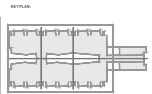
CONSULTANT

LVA
kris vidal + architects



Phase 4 Lvl 6 Work Area

Phase 4 Duration: 12 months
Version 3: July 12, 2017

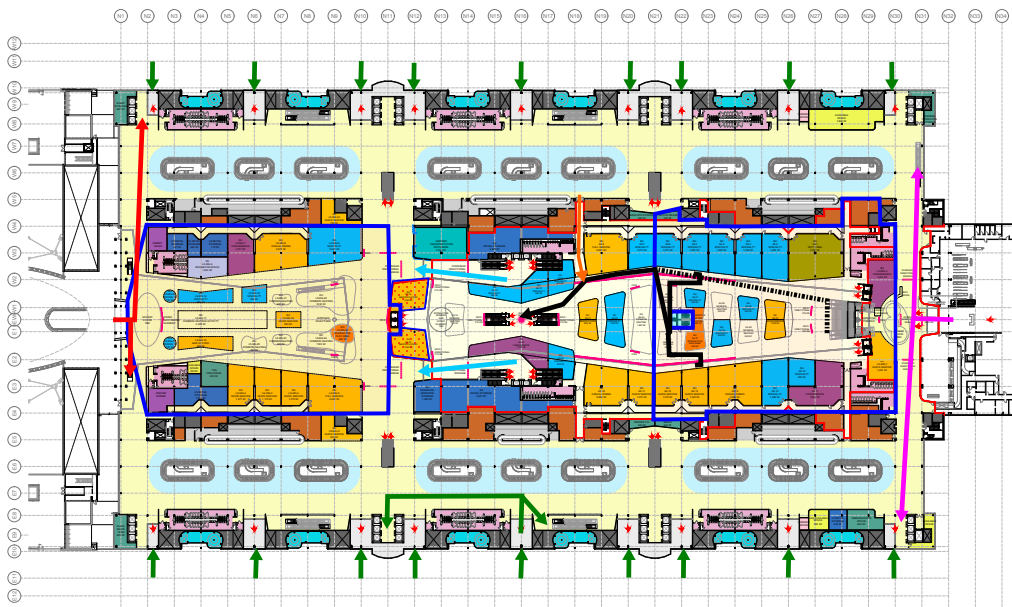
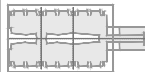


- LEGEND
- BAGGER PROFILES
 - LARGER CIRCULATION
 - FLOOR CIRCULATION
 - TIA
 - TIA SUPPORT
 - FET GOLF
 - METAL DECK FLOOR & ROOFING
 - METAL DECK CONCRETE/REIN
 - PRIME OFFICE
 - RFP
 - ENTRANCES AND VERTICAL CIRCULATION
 - BRICKLAYER PROGRESS
 - BUBBLED FLOOR
 - RECEPTION
 - STORAGE FOR METAL
 - STAIR SERVICES
 - WORK AREA

PROJECT NAME
THE GREAT HALL PROJECT

PERFORMED BY
ferrovial SAUNDERS
agorramorales Group

COORDINATED BY
LVA
luís vidal + architects



- LEGEND**
- Blue square: MAIN AVENUE
 - Light blue square: BAGGAGE FACILITIES
 - Yellow square: LUGGAGE CIRCULATION
 - Light green square: ACCESS CIRCULATION
 - Orange square: RETAIL LOTS FOOD & BEVERAGE
 - Light purple square: RETAIL LOTS CONSIGNMENT
 - Dark purple square: RETAIL LOTS SPECIALTY
 - Light blue square: RETAIL LOTS GIFT AREA
 - Light brown square: SERVICE FACILITIES
 - Dark brown square: HOP
 - Black square: ENTRANCES AND INTERNAL CIRCULATION
 - Light pink square: AIRRAMP ROADS
 - Light purple square: RESTROOMS
 - Light blue square: STORAGE FOR METAL
 - Dark blue square: PRIORITY ROADS
 - Light blue square: OTHER SERVICES
 - Light green square: AVAILABLE SERVICES
- Red arrow: Identifying passengers from left to right
 - Green arrow: Identifying passengers arriving via public transportation, etc.
 - Black arrow: Temporary access control
 - Blue arrow: Additional services not in FACTS
 - Pink arrow: International passenger
 - Orange arrow: Employee portal

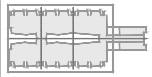
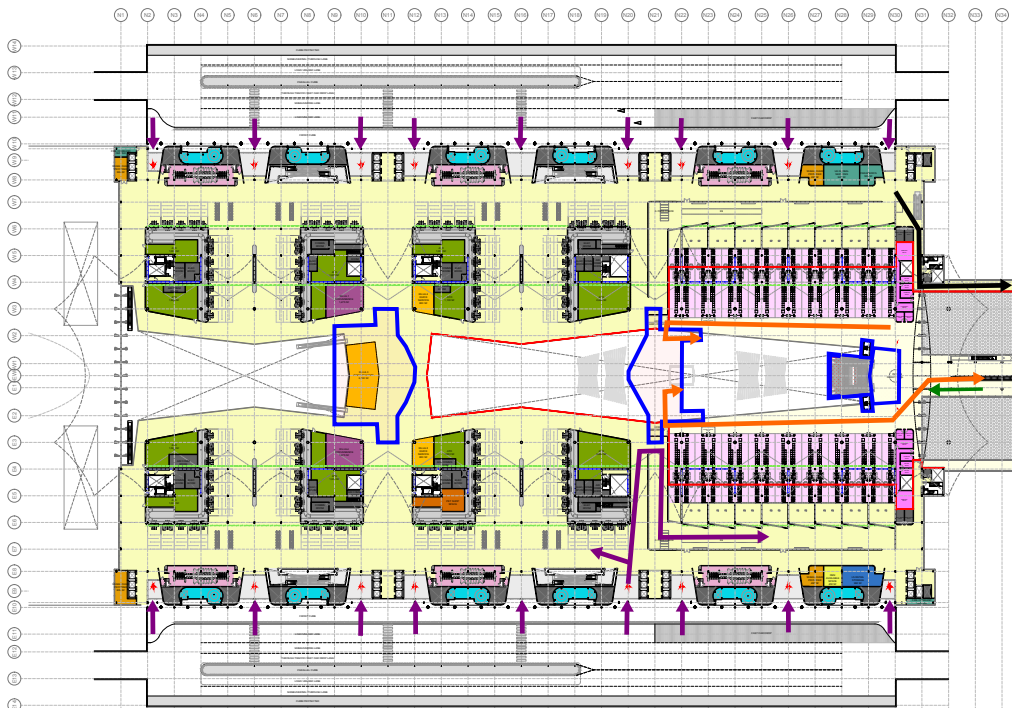
Phase 4 Lvl 5 Passenger Flow

Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.

PROJECT NAME
 THE GREAT HALL PROJECT

DESIGNED BY
 ferrovial | SAUNDERS
 Aggregor US Corp

CONSULTANT
 LVA
 Luis Vidal + architects



- LEGEND
- BUS AREA
 - BAGGAGE FACILITIES
 - LUGGAGE CIRCULATION
 - FREEDOM CIRCULATION
 - TAXI
 - TAXI SUPPORT
 - PET CAGE
 - RETAIL OUTLETS FOOD & BEVERAGE
 - RETAIL OUTLETS CONSUMER
 - AIRSIDE OFFICES
 - SHOP
 - ENTRANCES AND VERTICAL CIRCULATION
 - BAGGELAND PROCESS
 - BULKHEAD PROCESS
 - RESTROOMS
 - STORAGE FOR RETAIL
 - OTHER SERVICES
- Departing passengers from stop of area*
→ AOB corridor and AOB office access
→ Taxi access
→ Arriving & Connecting passengers

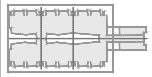
PROJECT NAME
THE GREAT HALL PROJECT

DESIGNED BY
ferrovial | SAUNDERS
agorron@ferrovial.com

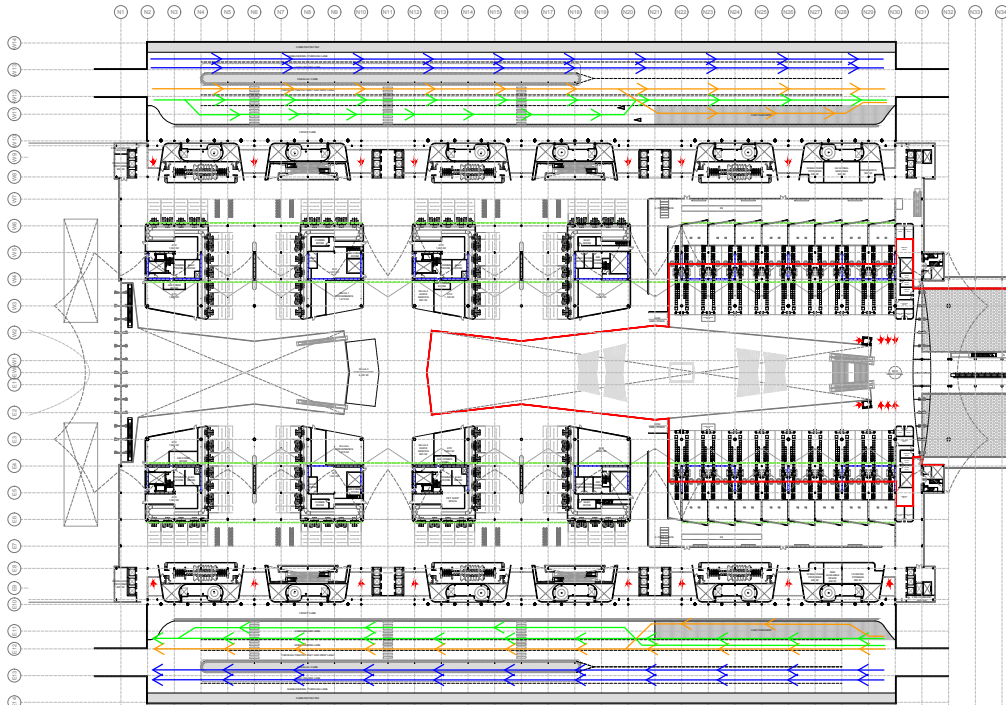
COORDINATED BY
LVA
kuis vidal + architects

Phase 4 Lvl 6 Passenger Flow

*Passengers may follow similar paths on both east and west sides of the terminal as well as in all open MODs.



WEST



EAST

Phase 4 Lvl 6 Curbside Work Area

Phase 4 Duration: 12 months
Curbside Work Duration: 4 months
Version 3: July 12, 2017

PROJECT NAME

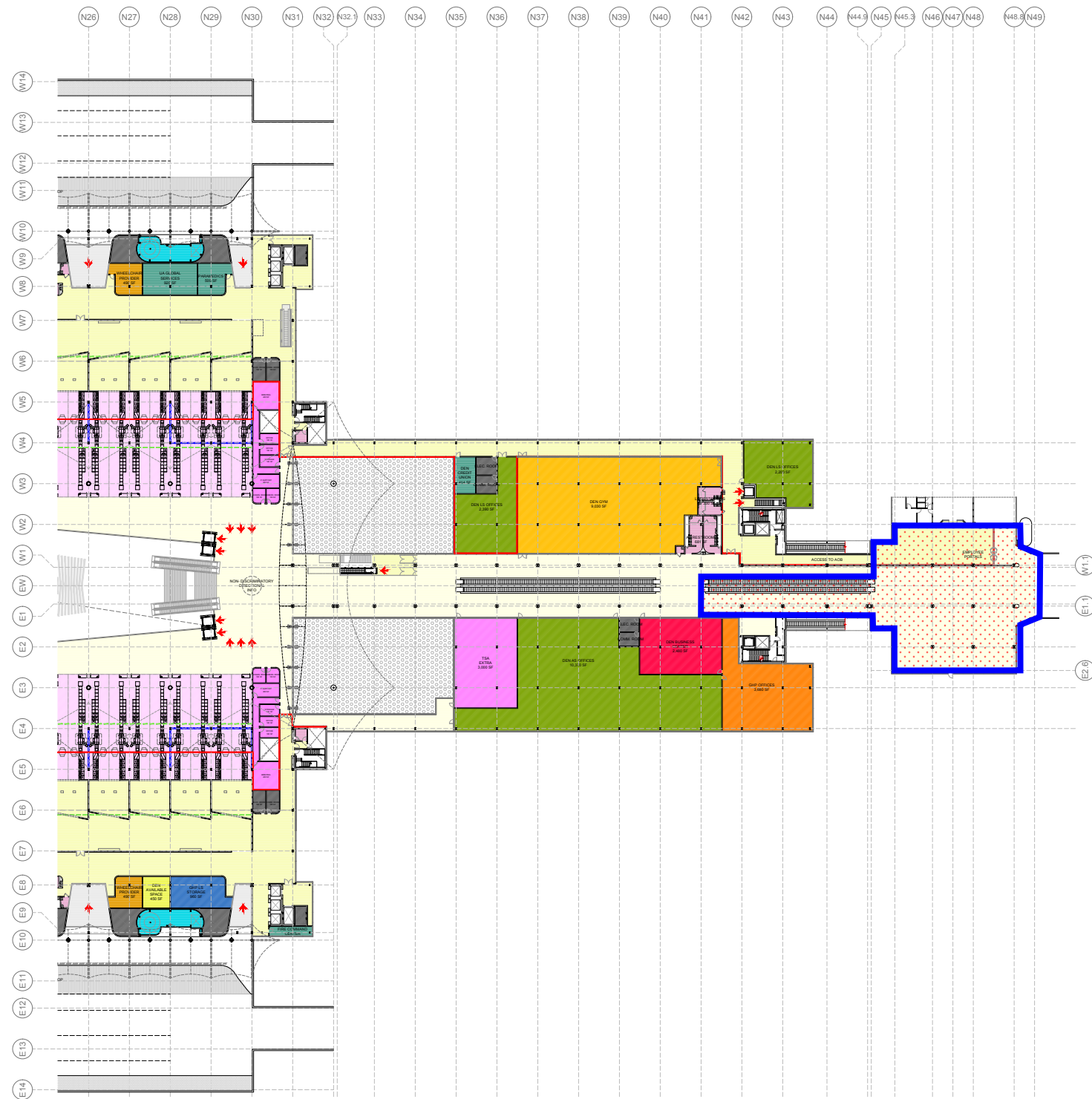
THE GREAT HALL PROJECT

DESIGNED BY

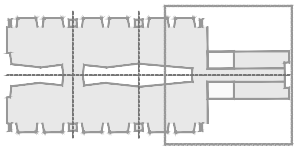
ferrovial SAUNDERS
agorron US Corp

COORDINATED BY

LVA
kuis vidal + architects



KEYPLAN:



LEGEND:

- BAGGAGE FACILITIES
- LANDSIDE CIRCULATION
- AIRSIDE CIRCULATION
- TSA
- TSA SUPPORT
- PET SHOP
- RETAIL UNITS- FOOD & BEVERAGE
- RETAIL UNITS- CONVENIENCE
- AIRLINE OFFICES
- MEP
- ENTRANCES AND VERTICAL CIRCULATION
- WHEELCHAIR PROVIDERS
- NURSING ROOM
- RESTROOMS
- STORAGE FOR RETAIL
- OTHER SERVICES
- Work Area

PROJECT NAME:

THE GREAT HALL PROJECT

DESIGNED BY:

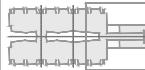
ferrovial SAUNDERS
agroman US Corp.

CONSULTANT:

LVA
luis vidal + architects

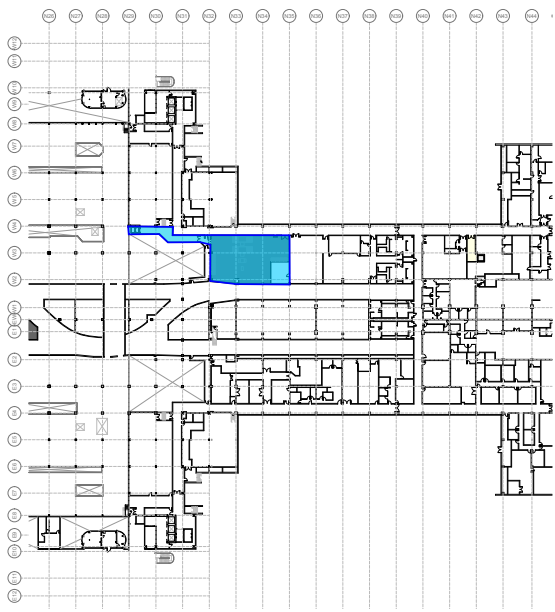
Phase 4 Lvl 6 AOB SSCP Renovation

Phase 4 Duration: 12 months
Version 3: July 12, 2017



LEGEND

- GOODS SCREENING FACILITIES
- GOODS SCREENING CIRCULATION AREA
- WORK AREA



Phase 4 Lvl 4 Goods Delivery Work Area

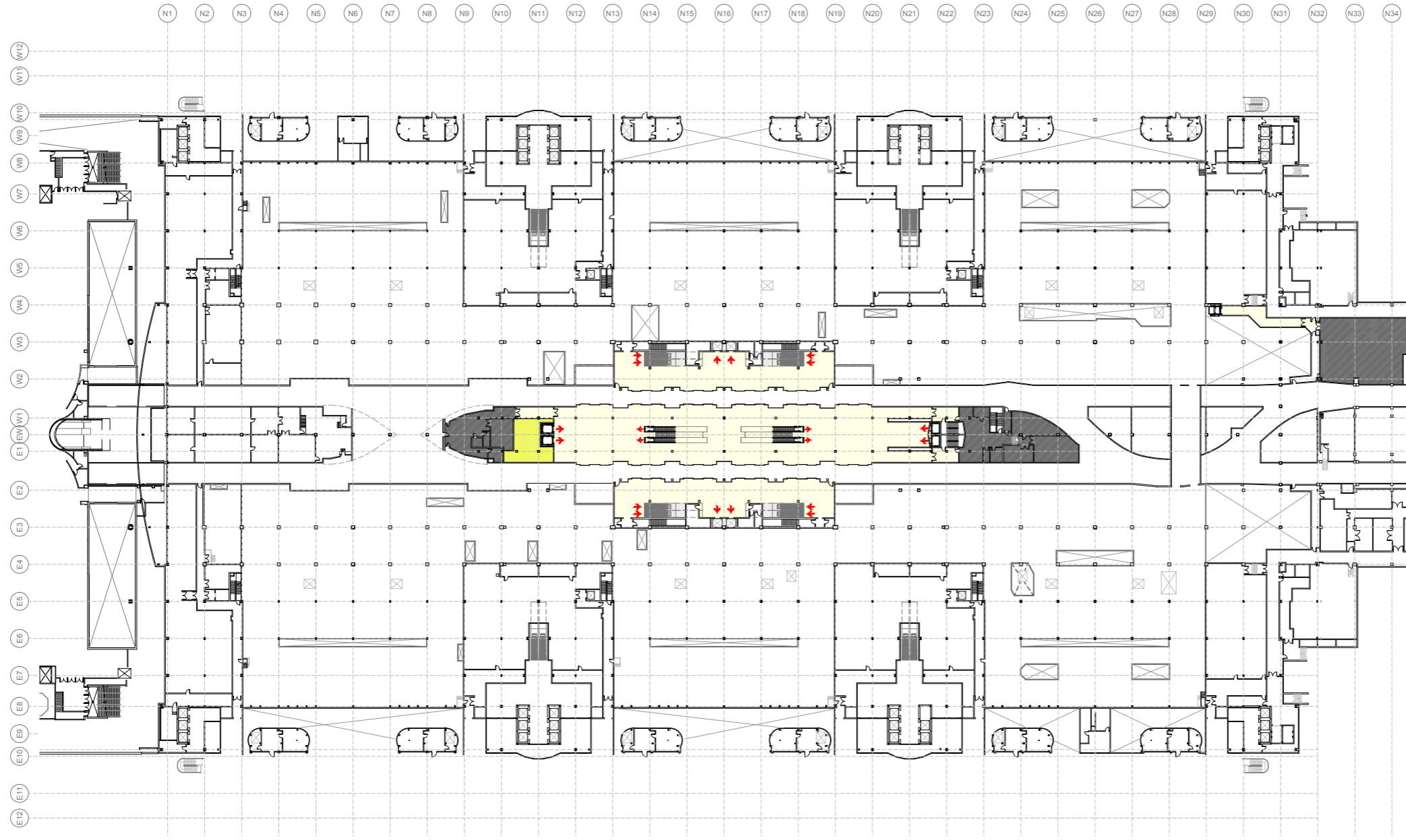
Phase 4 Duration: 12 months
Version 3: July 12, 2017

PROJECT NAME

THE GREAT HALL PROJECT

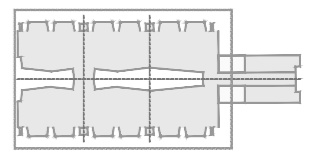
DESIGNED BY





Level 4 Final Layout

KEYPLAN:



LEGEND:

- AIRSIDE CIRCULATION
- MEP
- AVAILABLE SPACES

PROJECT NAME:

THE GREAT HALL PROJECT

DESIGNED BY:



CONSULTANT:

LVA
luis vidal + architects

REVISIONS:

0

ISSUANCES:

FINAL PHYSICAL PROJECT PLAN

PROJECT STATUS: PDA
DRAWN BY: LVA

APPROVED BY: LVA
CHECKED BY: LVA

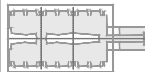
PROJECT NUMBER: TBD
DATE: 03/31/2017

SCALE: 1/32" = 1'-0"
PAPER: ARCH EXPAND E

SHEET TITLE:

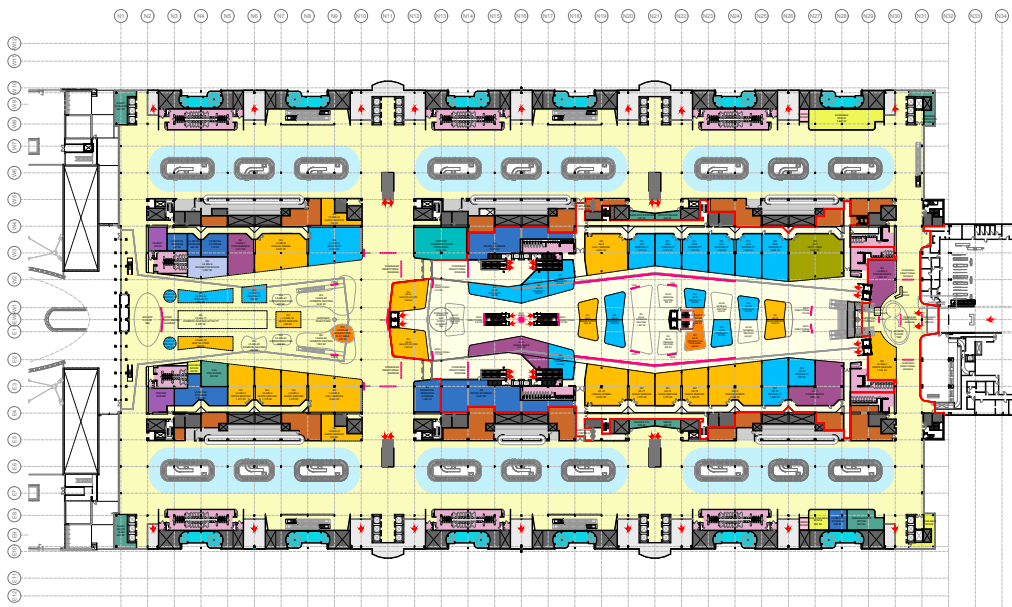
GENERAL ARCHITECTURE FLOOR PLAN
LEVEL 4- GREAT HALL

REVISION: N. A.
SHEET NUMBER: AA107



LEGEND

- BAGGAGE FACILITIES
- LUGGAGE CIRCULATION
- BAGGAGE CIRCULATION
- BAGGAGE CIRCULATION
- METAL UTILITY FOOD & BEVERAGE
- METAL UTILITY CONSIGNANCE
- METAL UTILITY SPECIALTY
- METAL UTILITY DUTY FREE
- LUGGAGE FACILITIES
- HOP
- ENTRANCES AND VERTICAL CIRCULATION
- AIRRAIL ROADS
- RESTROOMS
- STORAGE FOR METAL
- PAPER ROOMS
- OTHER SERVICES
- AVAILABLE SPACES



Level 5 Final Layout

NOTES

1. ALL ROOMS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISHES SCHEDULE.
2. ALL ROOMS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISHES SCHEDULE.
3. ALL ROOMS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISHES SCHEDULE.
4. ALL ROOMS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISHES SCHEDULE.
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11. ALL ROOMS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISHES SCHEDULE.
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15. ALL ROOMS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISHES SCHEDULE.

PROJECT NAME
THE GREAT HALL PROJECT

DESIGNED BY
ferrovial | **SAUNDERS**
 Aggregor US Corp

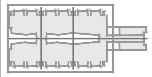
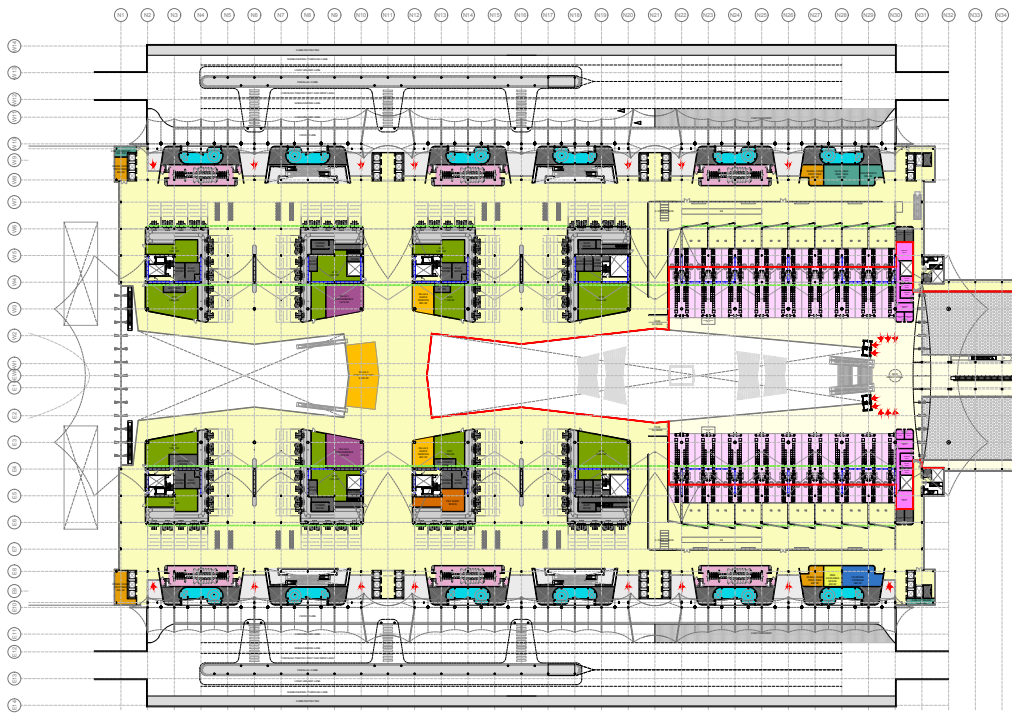
CONSULTANT
LVA
 Luis Vidal + architects

REVISIONS	
NO.	DESCRIPTION
1	FINAL ARCHITECTURE FLOOR PLAN
2	PRELIMINARY DESIGN
3	DESIGN DEVELOPMENT
4	CONCEPT DESIGN
5	PRELIMINARY DESIGN
6	DESIGN DEVELOPMENT
7	CONCEPT DESIGN
8	PRELIMINARY DESIGN
9	DESIGN DEVELOPMENT
10	CONCEPT DESIGN

DATE: 08/20/2017
 TIME: 10:00 AM
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 SCALE: 1/8" = 1'-0"

PROJECT: GENERAL ARCHITECTURE FLOOR PLAN
 LEVEL 5 - GREAT HALL

DATE: 08/20/2017
 TIME: 10:00 AM
 DRAWN BY: [Name]
 CHECKED BY: [Name]



LEGEND

	BASEBALL FACILITIES
	LARGER CIRCULATION
	FREED CIRCULATION
	TRM
	TRM SUPPORT
	TRM GOLF
	RETAIL STORE FOOD & BEVERAGE
	RETAIL STORE CONSUMER
	INDIVIDUAL OFFICES
	MEP
	ENTRANCES AND VERTICAL CIRCULATION
	BASEBALL PROGRESS
	BASEBALL FLOOR
	RESTROOMS
	STORAGE FOR RETAIL
	OTHER SERVICES

DATE: 08/20/2017
 TIME: 10:00 AM
 PROJECT: THE GREAT HALL PROJECT
 SHEET: 6-100

PROJECT NAME
 THE GREAT HALL PROJECT

DESIGNED BY
 ferrovial | SAUNDERS
 aegion.us Corp.

CONSULTANT
 LVA
 Luis Vidal + architects

REVISIONS

NO.	DESCRIPTION	DATE
1	FINAL ARCHITECTURE FLOOR PLAN	08/20/2017

PROJECT GENERAL

PROJECT NO.	10000001
NO.	100
DATE	08/20/2017

PROJECT SUBMITTAL

NO.	000001
DATE	08/20/2017
NO.	000001
NO.	000001
NO.	000001

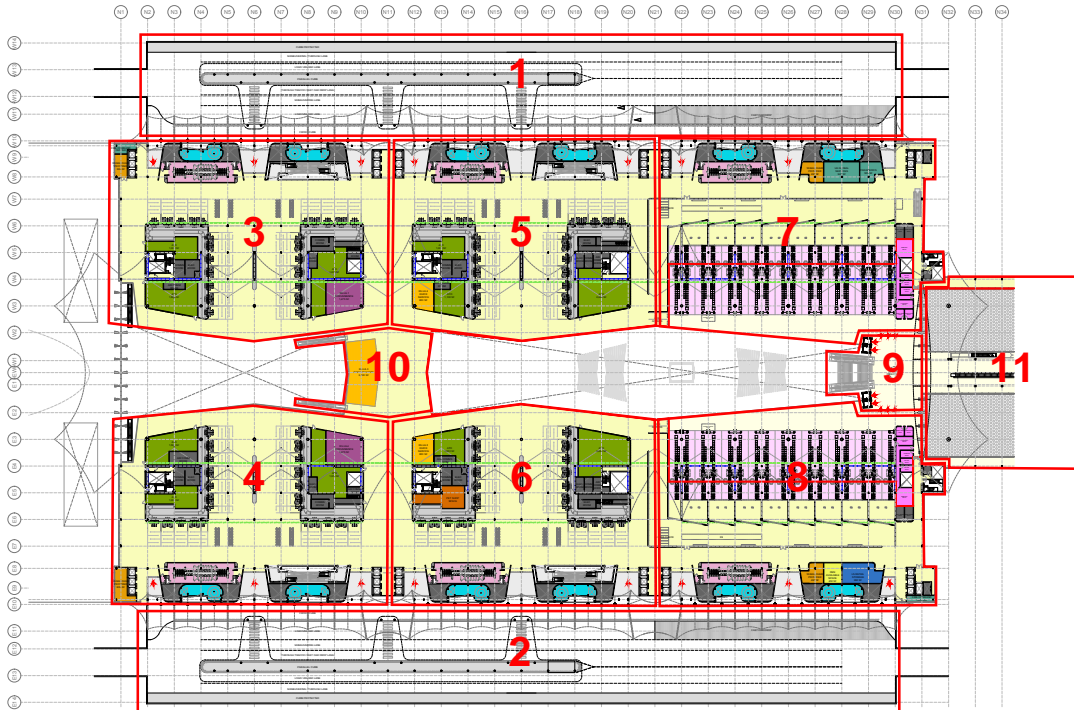
PROJECT SUBMITTAL

NO.	000001
DATE	08/20/2017
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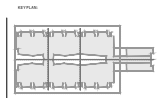
PROJECT TITLE
 GENERAL ARCHITECTURE FLOOR PLAN
 LEVEL 6 - GREAT HALL

DESIGNER
 LVA
 Luis Vidal + architects

Level 6 Final Layout



Level 6 Functional Areas



LEGEND

Functional Areas:

1. Level 6 West Curbside
2. Level 6 East Curbside
3. Airline Space - MOD 3 West
4. Airline Space - MOD 3 East
5. Airline Space - MOD 2 West
6. Airline Space - MOD 2 East
7. Security Screening Area - MOD 1 West
8. Security Screening Area - MOD 1 East
9. Expanded North Balcony - Vertical conveyance L5 to L5
10. Level 6 South Bridge Expansion
11. AOB Corridor
12. Landside Plaza
13. Airside Plaza - MOD 2 Center and BSO Area
14. Airside Plaza - MOD 1 Center, International Master & Greeter
15. AGTS Access - Vertical conveyance L5 to L4 MOD 1 & 2
16. AGTS Access - Escalators L5 to L4 IMOD Center
17. AGTS Area - Level 4
18. Goods and materials delivery and screening facility
19. Central Monitoring Facility
20. AOB SSCP Renovation

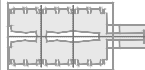
Areas:

21. Baggage Claim West
22. Baggage Claim East

PROJECT NAME
THE GREAT HALL PROJECT

DESIGNED BY
ferrovial | **SAUNDERS**
aggron@ferrovial.com

ARCHITECT
LVA
luis vidal + architects



LEGEND

Functional Areas:

1. Level 6 West Curbside
2. Level 6 East Curbside
3. Airline Space - MOD 3 West
4. Airline Space - MOD 3 East
5. Airline Space - MOD 2 West
6. Airline Space - MOD 2 East
7. Security Screening Area - MOD 1 West
8. Security Screening Area - MOD 1 East
9. Expanded North Balcony - Vertical conveyance L5 to L5
10. Level 6 South Bridge Expansion
11. AOB Corridor
12. Landside Plaza
13. Airside Plaza - MOD 2 Center and BSSO Area
14. Airside Plaza - MOD 1 Center, International Meeter & Greeter
15. AGTS Access - Vertical conveyance L5 to L4 MOD 1 & 2
16. AGTS Access - Escalators L5 to L4 MOD2 Center
17. AGTS Area - Level 4
18. Goods and materials delivery and screening facility
19. Central Monitoring Facility
20. AOB SSCP Renovation

Areas:

21. Baggage Claim West
22. Baggage Claim East

PROJECT NAME

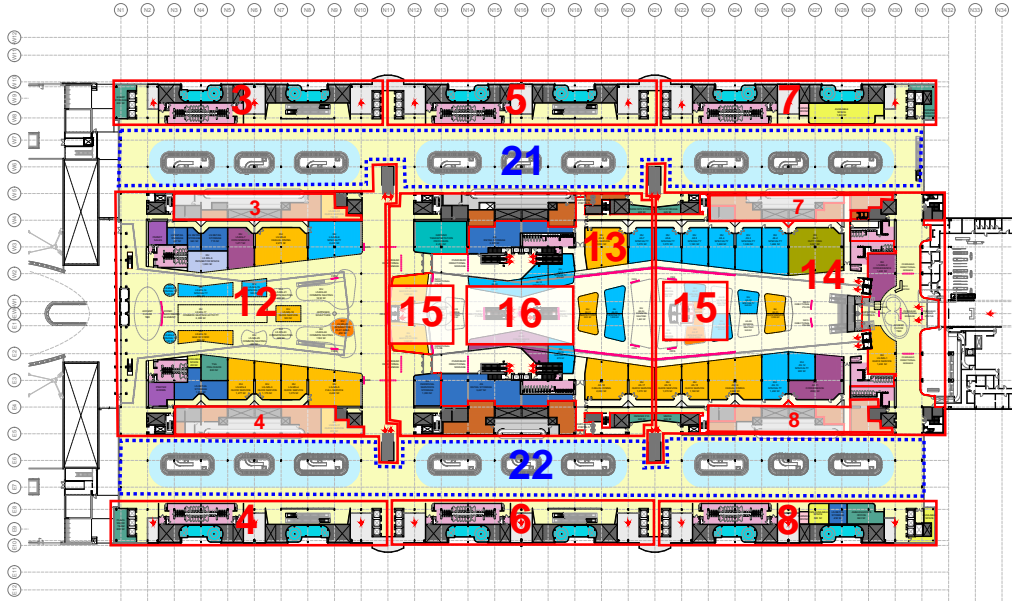
THE GREAT HALL PROJECT

DESIGNED BY

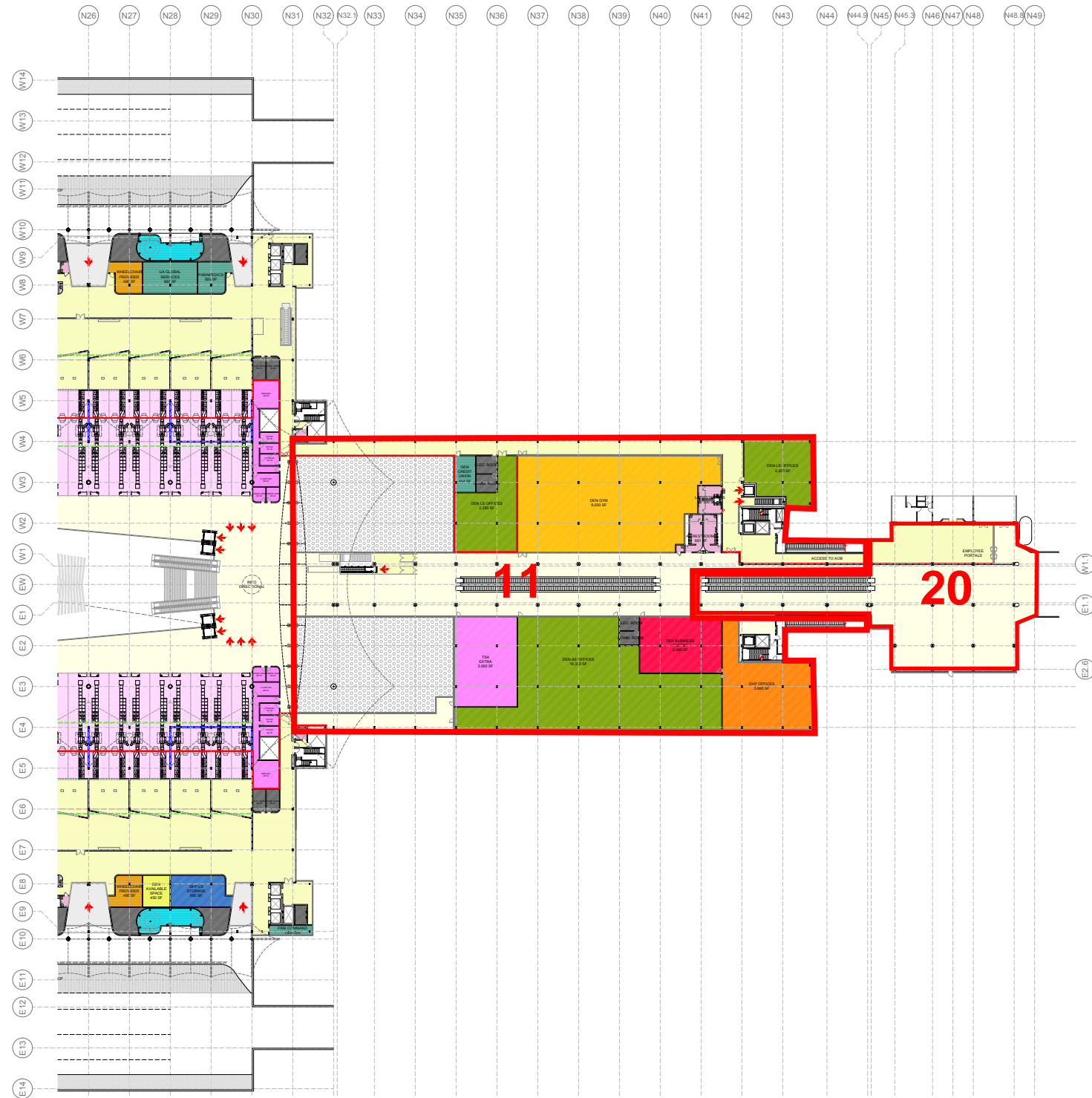


CONSULTANT

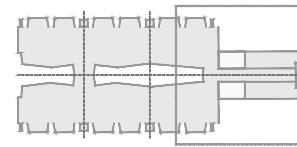
LVA
kub vidal + architects



Level 5 Functional Areas



KEYPLAN:



LEGEND:

Functional Areas:

1. Level 6 West Curbside
2. Level 6 East Curbside
3. Airline Space - MOD 3 West
4. Airline Space - MOD 3 East
5. Airline Space - MOD 2 West
6. Airline Space - MOD 2 East
7. Security Screening Area - MOD 1 West
8. Security Screening Area - MOD 1 East
9. Expanded North Balcony - Vertical conveyance L6 to L5
10. Level 6 South Bridge Expansion
11. AOB Corridor
12. Landside Plaza
13. Airside Plaza - MOD 2 Center and BSO Area
14. Airside Plaza - MOD 1 Center, International Meeter & Greeter
15. AGTS Access - Vertical conveyance L5 to L4 MOD 1 & 2
16. AGTS Access - Escalators L5 to L4 MOD2 Center
17. AGTS Area - Level 4
18. Goods and materials delivery and screening facility
19. Central Monitoring Facility
20. AOB SSCP Renovation

Areas:

21. Baggage Claim West
22. Baggage Claim East

PROJECT NAME:

THE GREAT HALL PROJECT

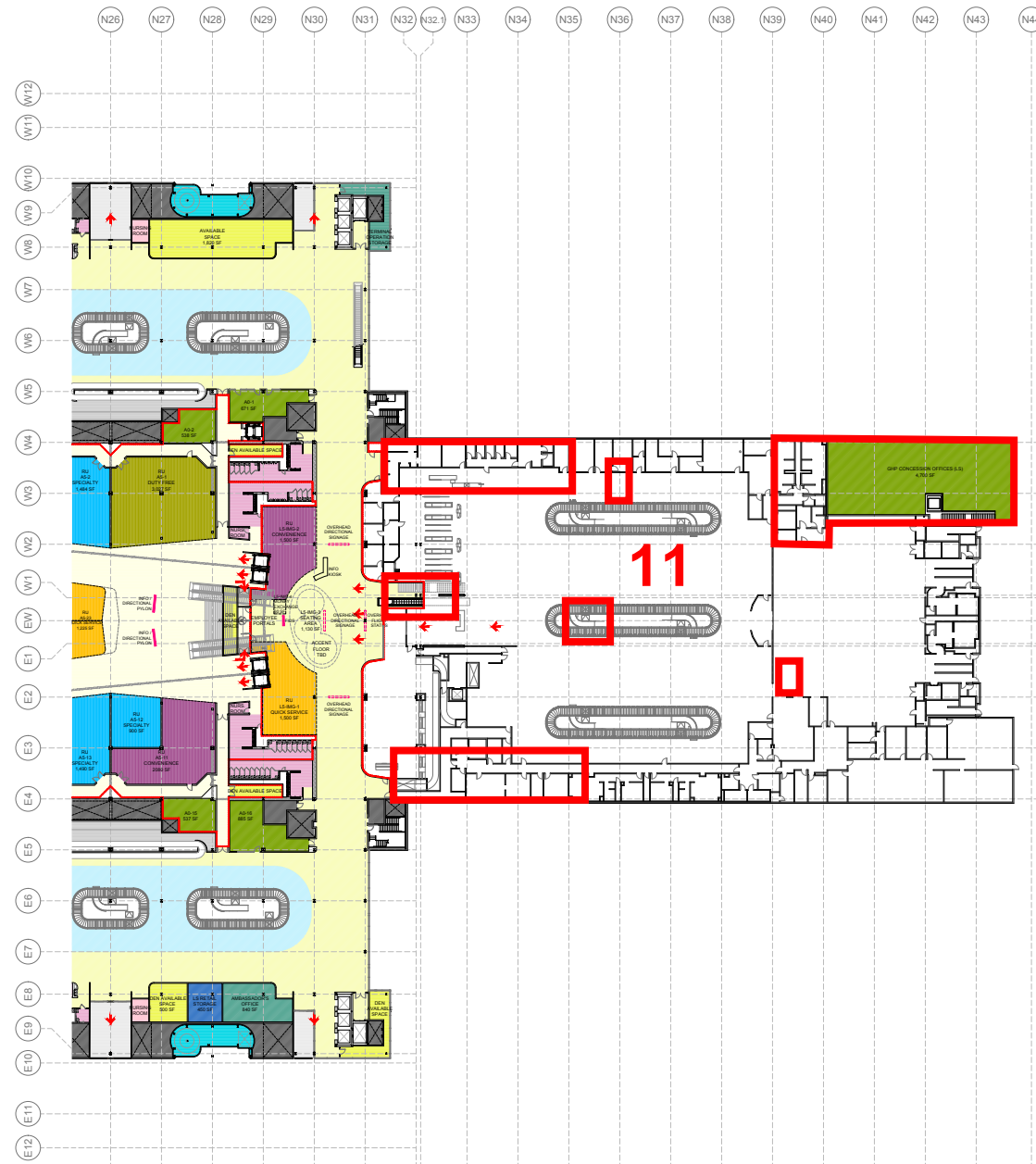
DESIGNED BY:



CONSULTANT:

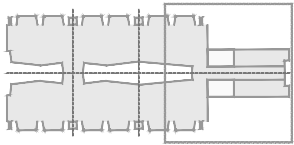
LVA
luis vidal + architects

Level 6 AOB Functional Areas



Level 5 AOB Functional Areas

KEYPLAN:



LEGEND:

Functional Areas:

1. Level 6 West Curbside
2. Level 6 East Curbside
3. Airline Space - MOD 3 West
4. Airline Space - MOD 3 East
5. Airline Space - MOD 2 West
6. Airline Space - MOD 2 East
7. Security Screening Area - MOD 1 West
8. Security Screening Area - MOD 1 East
9. Expanded North Balcony - Vertical conveyance L6 to L5
10. Level 6 South Bridge Expansion
11. AOB Corridor
12. Landside Plaza
13. Airside Plaza - MOD 2 Center and BSO Area
14. Airside Plaza - MOD 1 Center, International Meeter & Greeter
15. AGTS Access - Vertical conveyance L5 to L4 MOD 1 & 2
16. AGTS Access - Escalators L5 to L4 MOD2 Center
17. AGTS Area - Level 4
18. Goods and materials delivery and screening facility
19. Central Monitoring Facility
20. AOB SSCP Renovation

Areas:

21. Baggage Claim West
22. Baggage Claim East

PROJECT NAME:

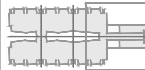
THE GREAT HALL PROJECT

DESIGNED BY:



CONSULTANT:

LVA
luis vidal + architects



LEGEND

Functional Areas:

1. Level 6 West Curbside
2. Level 6 East Curbside
3. Airline Space - MOD 3 West
4. Airline Space - MOD 3 East
5. Airline Space - MOD 2 West
6. Airline Space - MOD 2 East
7. Security Screening Area - MOD 1 West
8. Security Screening Area - MOD 1 East
9. Expanded North Balcony - Vertical conveyance LR to L2
10. Level 6 South Bridge Expansion
11. AOB Corridor
12. Landside Plaza
13. Airside Plaza - MOD 2 Center and BSO Area
14. Airside Plaza - MOD 1 Center, International Mezz & Greeter
15. AGTS Access - Vertical conveyance LS to L4 MOD 1 & 2
16. AGTS Access - Escalators LS to L4 MOD Center
17. AGTS Area - Level 4
18. Goods and materials delivery and screening facility
19. Central Monitoring Facility
20. AOB SSCP Renovation

Areas:

21. Baggage Claim West
22. Baggage Claim East

PROJECT NAME

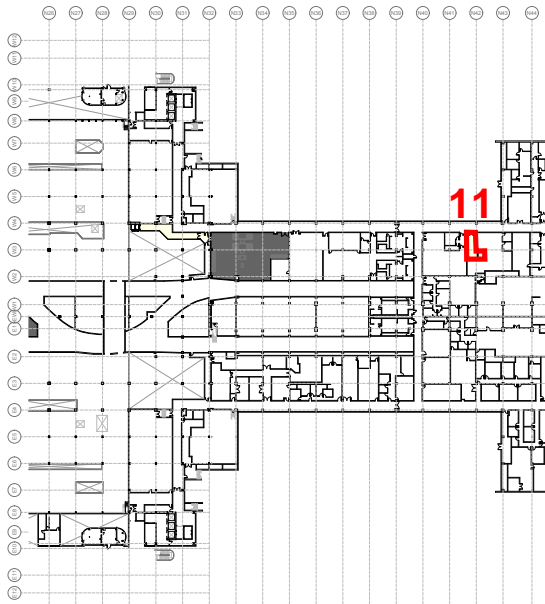
THE GREAT HALL PROJECT

DESIGNED BY



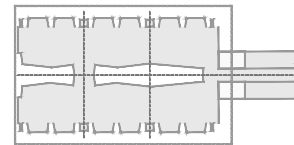
COORDINATOR

LVA
Luis Vidal + Architects



Level 4 AOB Functional Areas

KEYPLAN:



LEGEND:

Functional Areas:

- 1. Level 6 West Curbside
- 2. Level 6 East Curbside
- 3. Airline Space - MOD 3 West
- 4. Airline Space - MOD 3 East
- 5. Airline Space - MOD 2 West
- 6. Airline Space - MOD 2 East
- 7. Security Screening Area - MOD 1 West
- 8. Security Screening Area - MOD 1 East
- 9. Expanded North Balcony - Vertical conveyance L6 to L5
- 10. Level 6 South Bridge Expansion
- 11. AOB Corridor
- 12. Landside Plaza
- 13. Airside Plaza - MOD 2 Center and BSO Area
- 14. Airside Plaza - MOD 1 Center, International Meeter & Greeter
- 15. AGTS Access - Vertical conveyance L5 to L4 MOD 1 & 2
- 16. AGTS Access - Escalators L5 to L4 MOD2 Center
- 17. AGTS Area - Level 4
- 18. Goods and materials delivery and screening facility
- 19. Central Monitoring Facility
- 20. AOB SSCP Renovation

Areas:

- 21. Baggage Claim West
- 22. Baggage Claim East

PROJECT NAME:

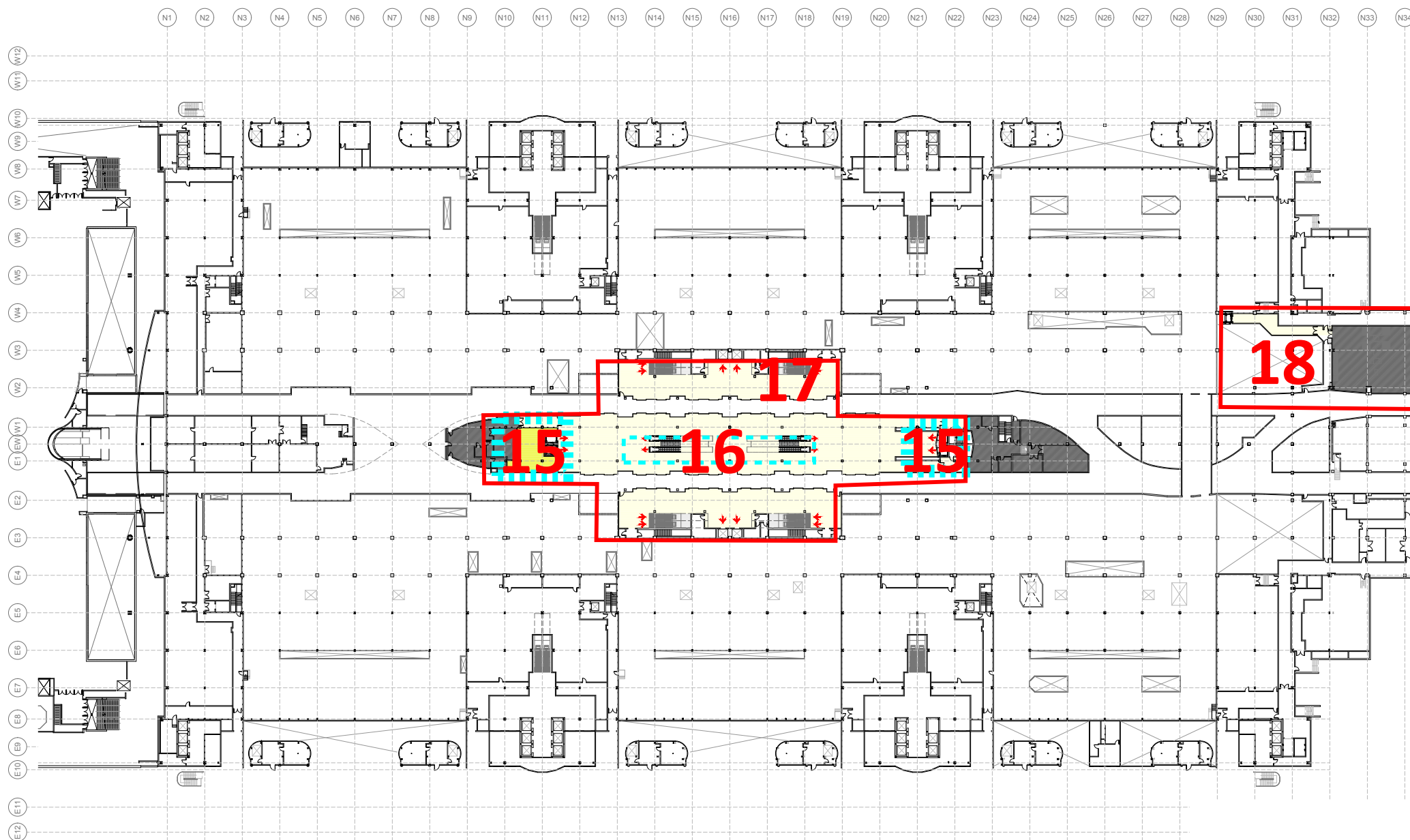
THE GREAT HALL PROJECT

DESIGNED BY:

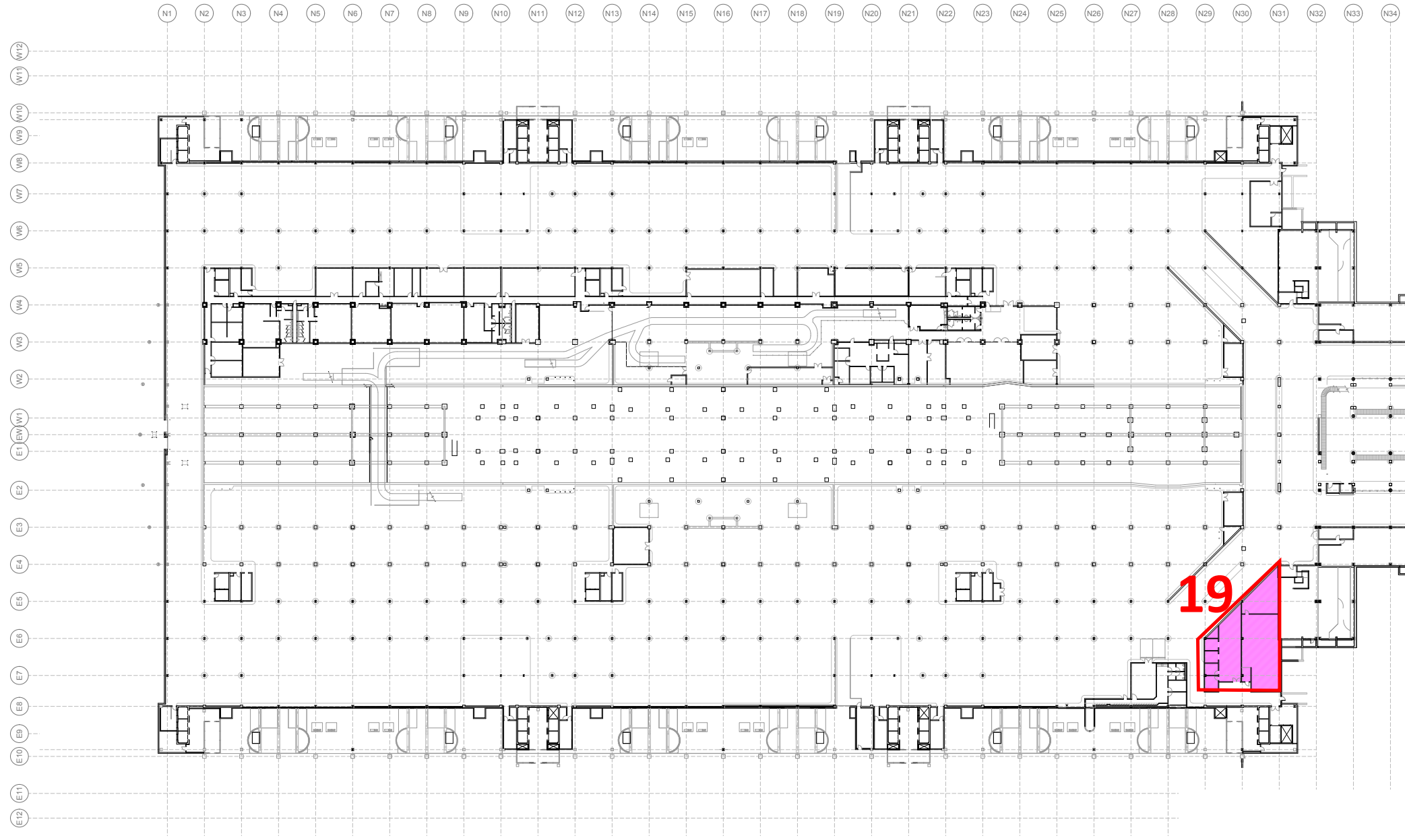


CONSULTANT:

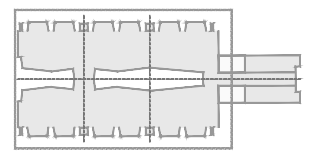
LVA
luis vidal + architects



Level 4 Functional Areas



KEYPLAN:



LEGEND:

Functional Areas:

1. Level 6 West Curbside
2. Level 6 East Curbside
3. Airline Space - MOD 3 West
4. Airline Space - MOD 3 East
5. Airline Space - MOD 2 West
6. Airline Space - MOD 2 East
7. Security Screening Area - MOD 1 West
8. Security Screening Area - MOD 1 East
9. Expanded North Balcony - Vertical conveyance L6 to L5
10. Level 6 South Bridge Expansion
11. AOB Corridor
12. Landside Plaza
13. Airside Plaza - MOD 2 Center and BSO Area
14. Airside Plaza - MOD 1 Center, International Meeter & Greeter
15. AGTS Access - Vertical conveyance L5 to L4 MOD 1 & 2
16. AGTS Access - Escalators L5 to L4 MOD2 Center
17. AGTS Area - Level 4
18. Goods and materials delivery and screening facility
19. Central Monitoring Facility
20. AOB SSCP Renovation

Areas:

21. Baggage Claim West
22. Baggage Claim East

PROJECT NAME:

THE GREAT HALL PROJECT

DESIGNED BY:



CONSULTANT:

LVA
luis vidal + architects

Level 3 Functional Areas



APPENDIX B: DESIGN & CONSTRUCTION SCHEDULE (ORDINAL)

See file attached

DEN Great Hall

*** Baseline View

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Planned by Asta Powerproject

Line	WBS code	Task name	Duration	Start	Finish	Total float	2017												2018												2019												2020												2021																																																																																																												
							A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N
53	1.1.1.5	Submittal for DEN Approval - 100%	15d	10/4/2018	10/24/2018	71d																																																																																																																																																													
		Permit Packages	315d	10/24/2017	1/22/2019	71d																																																																																																																																																													
55		Phase 1 Demolition Package	80d	3/5/2018	6/25/2018																																																																																																																																																														
56	1.1.2.2	Phase 1 Demolition Package - Ph 1 Demo	40d	3/5/2018	4/27/2018																																																																																																																																																														
57	1.1.2.2	Submittal for DEN approval - Ph 1 Demo	15d	4/30/2018	5/18/2018	25d																																																																																																																																																													
58	1.1.2.2	Bldg Dept Submittal & Review - Ph 1 Demo	40d	4/30/2018	6/25/2018																																																																																																																																																														
59		Phase 1 CMF Package	40d	10/24/2017	12/20/2017	15d																																																																																																																																																													
60	1.1.2.1	CMF Bldg Dept Submittal & Review	40d	10/24/2017	12/20/2017	15d																																																																																																																																																													
61		Phase 1 Structural Package	100d	3/5/2018	7/24/2018																																																																																																																																																														
62	1.1.2.3	Phase 1 Structural Package - Ph 1 Str	60d	3/5/2018	5/25/2018																																																																																																																																																														
63	1.1.2.3	Submittal for DEN approval - Ph 1 Str	15d	5/29/2018	6/18/2018	25d																																																																																																																																																													
64	1.1.2.3	Bldg Dept Submittal & Review - Ph 1 Str	40d	5/29/2018	7/24/2018																																																																																																																																																														
65		AOB Crane Pad & Structure Package	80d	3/5/2018	6/25/2018	10d																																																																																																																																																													
66	1.1.2.4	AOB Crane Pad & Structure Package - AOB	40d	3/5/2018	4/27/2018	10d																																																																																																																																																													
67	1.1.2.4	Submittal for DEN Approval - AOB	15d	4/30/2018	5/18/2018	35d																																																																																																																																																													
68	1.1.2.4	Bldg Dept Submittal & Review - AOB	40d	4/30/2018	6/25/2018	10d																																																																																																																																																													
69		Phase 1 Architectural / Mech / Elec / Life Safety Pack	100d	4/30/2018	9/19/2018	14d																																																																																																																																																													
70	1.1.2.5	Phase 1 Architectural / Mech / Elec / Life Safety Package - Ph 1 Arch	60d	4/30/2018	7/24/2018	14d																																																																																																																																																													
71	1.1.2.5	Submittal for DEN approval - Ph 1 Arch	15d	7/25/2018	8/14/2018	39d																																																																																																																																																													
72	1.1.2.5	Bldg Dept Submittal & Review - Ph 1 Arch	40d	7/25/2018	9/19/2018	14d																																																																																																																																																													
73		AOB Corridor Permit Package	80d	4/30/2018	8/21/2018	130d																																																																																																																																																													
74	1.1.2.6	AOB Corridor Permit Package - AOB Corr	40d	4/30/2018	6/25/2018	130d																																																																																																																																																													
75	1.1.2.6	Submittal for DEN Approval - AOB	15d	6/26/2018	7/17/2018	130d																																																																																																																																																													
76	1.1.2.6	Bldg Dept Submittal & Review - AOB Corr	40d	6/26/2018	8/21/2018	130d																																																																																																																																																													
77		Final Construction Documents Permit Package	60d	10/25/2018	1/22/2019	71d																																																																																																																																																													
78	1.1.2.7	Final Construction Documents Permit Package - Fin Const	20d	10/25/2018	11/21/2018	71d																																																																																																																																																													
79	1.1.2.7	Bldg Dept Submittal & Review - Fin Const	40d	11/26/2018	1/22/2019	71d																																																																																																																																																													
		Procurement	240d	10/24/2017	10/3/2018	788d																																																																																																																																																													
81	1.2	P - Phase 1 Structural Steel	100d	1/15/2018	6/4/2018	873d																																																																																																																																																													
82	1.2	P - Phase 1 Vertical Transportation	200d	12/21/2017	10/3/2018	25d																																																																																																																																																													
83	1.2	P - Phase 1 Mechanical Equip	100d	4/16/2018	9/5/2018																																																																																																																																																														
84	1.2	P - AOB Retaining wall	60d	4/16/2018	7/10/2018	20d																																																																																																																																																													
85	1.2	P - AOB Structural Steel	80d	4/16/2018	8/7/2018	20d																																																																																																																																																													
86	1.2	P - CMF Materials	50d	10/24/2017	1/5/2018	195w 3d																																																																																																																																																													
		Construction	988d	12/21/2017	11/3/2021																																																																																																																																																														
		Phase 1 - MOD 2	521d	12/21/2017	1/10/2020																																																																																																																																																														
89		Level 4	215d	6/26/2018	4/30/2019																																																																																																																																																														
90	1.3.1.2	Temporary Enclosures - Ph1 Mod 2 - Lvl 4	20d	6/26/2018	7/24/2018																																																																																																																																																														
91	1.3.1.2	Demolition - Ph1 Mod 2 - Lvl 4	20d	6/26/2018	7/24/2018																																																																																																																																																														
92	1.3.1.2	Structural - Ph1 Mod 2 - Lvl 4	75d	7/25/2018	11/7/2018																																																																																																																																																														
93	1.3.1.2	Interior Buildout - Ph1 Mod 2 - Lvl 4	40d	3/6/2019	4/30/2019																																																																																																																																																														
94	1.3.1.2	Finishes - Ph1 Mod 2 - Lvl 4	20d	4/3/2019	4/30/2019																																																																																																																																																														
95	1.3.1.2	Mechanical - Ph1 Mod 2 - Lvl 4	120d	11/8/2018	4/30/2019																																																																																																																																																														
96	1.3.1.2	Electrical - Ph1 Mod 2 - Lvl 4	120d	11/8/2018	4/30/2019																																																																																																																																																														
97	1.3.1.2	Plumbing - Ph1 Mod 2 - Lvl 4	120d	11/8/2018	4/30/2019																																																																																																																																																														
98	1.3.1.2	Life Safety - Ph1 Mod 2 - Lvl 4	60d	2/6/2019	4/30/2019																																																																																																																																																														
99	1.3.1.2	Vertical Transportation - Ph1 Mod 2 - Lvl 4	120d	11/8/2018	4/30/2019																																																																																																																																																														
100	1.3.1.2	Commissioning - Ph1 Mod 2 - Lvl 4	20d	4/3/2019	4/30/2019																																																																																																																																																														
101		Level 5	201d	6/26/2018	4/10/2019	14d																																																																																																																																																													
102	1.3.1.3	Tenant Relocation - Ph1 Mod 2 - Lvl 5	20d	6/26/2018	7/24/2018	3d																																																																																																																																																													

DEN Great Hall

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Line	WBS code	Task name	Duration	Start	Finish	Total float	2017		2018					2019					2020					2021																												
							A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
		Phase 2 - MOD 3	189d	5/2/2019	1/30/2020																																															
		Level 5	188d	5/2/2019	1/29/2020																																															
168	1.3.2.2	Tenant Relocation - Ph2 Mod 3 - Lvl 5	20d	5/2/2019	5/30/2019																																															
169	1.3.2.2	Temporary Enclosures - Ph2 Mod 3 - Lvl 5	20d	5/2/2019	5/30/2019																																															
170	1.3.2.2	Demolition - Ph2 Mod 3 - Lvl 5	20d	5/31/2019	6/27/2019																																															
171	1.3.2.2	Structural - Ph2 Mod 3 - Lvl 5	75d	5/31/2019	9/16/2019																																															
172	1.3.2.2	Enclosure - Ph2 Mod 3 - Lvl 5	40d	7/30/2019	9/24/2019																																															
173	1.3.2.2	Interior Buildout - Ph2 Mod 3 - Lvl 5	80d	8/27/2019	12/19/2019																																															
174	1.3.2.2	Finishes - Ph2 Mod 3 - Lvl 5	40d	12/3/2019	1/29/2020																																															
175	1.3.2.2	Mechanical - Ph2 Mod 3 - Lvl 5	120d	8/8/2019	1/29/2020																																															
176	1.3.2.2	Electrical - Ph2 Mod 3 - Lvl 5	120d	8/8/2019	1/29/2020																																															
177	1.3.2.2	Plumbing - Ph2 Mod 3 - Lvl 5	120d	8/8/2019	1/29/2020																																															
178	1.3.2.2	Life Safety - Ph2 Mod 3 - Lvl 5	60d	11/1/2019	1/29/2020																																															
179	1.3.2.2	Vertical Transportation - Ph2 Mod 3 - Lvl 5	140d	7/11/2019	1/29/2020																																															
180	1.3.2.2	Tenant Buildout - Ph2 Mod 3 - Lvl 5	90d	9/20/2019	1/29/2020																																															
181	1.3.2.2	Commissioning - Ph2 Mod 3 - Lvl 5	20d	1/2/2020	1/29/2020																																															
		Level 6	188d	5/2/2019	1/29/2020																																															
183	1.3.2.3	Tenant Relocation - Ph2 Mod 3 - Lvl 6	20d	5/2/2019	5/30/2019	1d																																														
184	1.3.2.3	Temporary Enclosures - Ph2 Mod 3 - Lvl 6	20d	5/2/2019	5/30/2019	1d																																														
185	1.3.2.3	Demolition - Ph2 Mod 3 - Lvl 6	20d	5/31/2019	6/27/2019	1d																																														
186	1.3.2.3	Structural - Ph2 Mod 3 - Lvl 6	75d	5/31/2019	9/16/2019	1d																																														
187	1.3.2.3	Enclosure - Ph2 Mod 3 - Lvl 6	40d	7/31/2019	9/25/2019	1d																																														
188	1.3.2.3	Interior Buildout - Ph2 Mod 3 - Lvl 6	80d	8/29/2019	12/23/2019	1d																																														
189	1.3.2.3	Finishes - Ph2 Mod 3 - Lvl 6	40d	12/2/2019	1/28/2020	1d																																														
190	1.3.2.3	Mechanical - Ph2 Mod 3 - Lvl 6	120d	8/7/2019	1/28/2020	1d																																														
191	1.3.2.3	Electrical - Ph2 Mod 3 - Lvl 6	120d	8/7/2019	1/28/2020	1d																																														
192	1.3.2.3	Plumbing - Ph2 Mod 3 - Lvl 6	120d	8/7/2019	1/28/2020	1d																																														
193	1.3.2.3	Life Safety - Ph2 Mod 3 - Lvl 6	60d	10/31/2019	1/28/2020	1d																																														
194	1.3.2.3	Vertical Transportation - Ph2 Mod 3 - Lvl 6	140d	7/10/2019	1/28/2020	1d																																														

DEN Great Hall

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Line	WBS code	Task name	Duration	Start	Finish	Total float	2017												2018												2019												2020												2021											
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195	1.3.2.3	Tenant Buildout - Ph2 Mod 3 - Lvl 6	90d	9/19/2019	1/28/2020	1d																																																												
196	1.3.2.3	Commissioning - Ph2 Mod 3 - Lvl 6	20d	1/2/2020	1/29/2020																																																													
197		Closeout Phase 2 Mod 3	16d	1/9/2020	1/30/2020																																																													
198	1.3.2.4	Phase 2 Punchlist	15d	1/9/2020	1/29/2020																																																													
199	1.3.2.4	TCO Phase 2	1d	1/30/2020	1/30/2020																																																													
201		Phase 3 - MOD 1	188d	1/31/2020	10/23/2020																																																													
201		Level 5	187d	1/31/2020	10/22/2020																																																													
202	1.3.3.2	Tenant Relocation - Ph3 Mod 1 - Lvl 5	20d	1/31/2020	2/27/2020																																																													
203	1.3.3.2	Temporary Enclosures - Ph3 Mod 1 - Lvl 5	20d	1/31/2020	2/27/2020																																																													
204	1.3.3.2	Demolition - Ph3 Mod 1 - Lvl 5	20d	2/28/2020	3/26/2020																																																													
205	1.3.3.2	Structural - Ph3 Mod 1 - Lvl 5	75d	2/28/2020	6/12/2020																																																													
206	1.3.3.2	Enclosure - Ph3 Mod 1 - Lvl 5	40d	4/28/2020	6/23/2020																																																													
207	1.3.3.2	Interior Buildout - Ph3 Mod 1 - Lvl 5	80d	5/28/2020	9/18/2020																																																													
208	1.3.3.2	Finishes - Ph3 Mod 1 - Lvl 5	40d	8/27/2020	10/22/2020																																																													
209	1.3.3.2	Mechanical - Ph3 Mod 1 - Lvl 5	120d	5/5/2020	10/22/2020																																																													
210	1.3.3.2	Electrical - Ph3 Mod 1 - Lvl 5	120d	5/5/2020	10/22/2020																																																													
211	1.3.3.2	Plumbing - Ph3 Mod 1 - Lvl 5	120d	5/5/2020	10/22/2020																																																													
212	1.3.3.2	Life Safety - Ph3 Mod 1 - Lvl 5	60d	7/30/2020	10/22/2020																																																													
213	1.3.3.2	Vertical Transportation - Ph3 Mod 1 - Lvl 5	140d	4/7/2020	10/22/2020																																																													
214	1.3.3.2	Tenant Buildout - Ph3 Mod 1 - Lvl 5	90d	6/17/2020	10/22/2020																																																													
215	1.3.3.2	Commissioning - Ph3 Mod 1 - Lvl 5	20d	9/25/2020	10/22/2020																																																													
216		Level 6	187d	1/31/2020	10/22/2020																																																													
217	1.3.3.3	Tenant Relocation - Ph3 Mod 1 - Lvl 6	20d	1/31/2020	2/27/2020																																																													
218	1.3.3.3	Temporary Enclosures - Ph3 Mod 1 - Lvl 6	20d	1/31/2020	2/27/2020																																																													
219	1.3.3.3	Demolition - Ph3 Mod 1 - Lvl 6	20d	2/28/2020	3/26/2020																																																													
220	1.3.3.3	Structural - Ph3 Mod 1 - Lvl 6	75d	2/28/2020	6/12/2020																																																													
221	1.3.3.3	Enclosure - Ph3 Mod 1 - Lvl 6	40d	4/28/2020	6/23/2020																																																													
222	1.3.3.3	Interior Buildout - Ph3 Mod 1 - Lvl 6	80d	5/28/2020	9/18/2020																																																													
223	1.3.3.3	Finishes - Ph3 Mod 1 - Lvl 6	40d	8/27/2020	10/22/2020																																																													
224	1.3.3.3	Mechanical - Ph3 Mod 1 - Lvl 6	120d	5/5/2020	10/22/2020																																																													



APPENDIX C: TENANT IMPACT LIST BY PHASE

**Great Hall Program
F&B / Retail Phasing Plan**

Level	Unit / Location	Type	Sq Ft	Baseline	Phase 1		Phase 2		Phase 3		Phase 4	
					During	After	During	After	During	After	During	After
6	Burger King	F&B	1,072	X								
6	Caribou Coffee	F&B	535	X								
6	Einstein Bros Bagel	F&B	731	X								
6	Jamba Juice	F&B	582	X								
6	Mexican Cantina	F&B	1,612	X	X	X						
6	Panda Express	F&B	1,018	X								
6	Taco Bell	F&B	521	X								
5	Airport Baggage Center	Retail	1,789	X								
5	Boulder Beer Tap House	F&B	1,776	X	X	X						
5	Colorado Lottery	Retail	268	X	X	X	X	X				
5	DEN - Money Exchange	Retail	100	X	X	X	X	X	X	X		
5	Fifty-2 Eighty	Retail	907	X								
5	Hudson Booksellers	Retail	912	X	X	X						
5	Hudson News	Retail	906	X	X	X						
5	Mangelsen	Retail	1,802	X	X	X	X	X				
5	Market Place	Retail	1,771	X								
5	Newstand	Retail	909	X	X	X	X	X				
5	Red Rocks Bar	F&B	1,782	X	X	X	X	X				
5	Rocky Mountain Café	F&B	909	X	X	X	X	X				
5	See's candies	F&B	419	X	X	X	X	X				
5	Subway	F&B	1,778	X	X	X						
5	Way out West	Retail	1,595	X	X	X	X	X				
6	L6-01	Retail	1,475				X	X	X	X	X	X
6	L6-02	F&B	800			X	X	X	X	X	X	X
6	L6-03	F&B	2,500									X
6	L6-04	Retail	1,475					X		X	X	X
6	L6-05	F&B	800			X		X		X	X	X
5	A5-01 (Duty Free)	Retail	3,027									X
5	A5-02	Retail	1,484									X
5	A5-03	Retail	1,369									X
5	A5-04	Retail	1,260									X
5	A5-05	Retail	1,160									X
5	A5-06	Retail	1,070									X
5	A5-07	Retail	1,070									X
5	A5-08	F&B	2,030									X
5	A5-09	Retail	870									X
5	A5-10	Retail	1,078									X
5	A5-11	Retail	2,080									X
5	A5-12	Retail	900									X
5	A5-13	Retail	1,490									X
5	A5-14	F&B	2,680									X
5	A5-15	F&B	1,160									X
5	A5-16	F&B	1,070									X
5	A5-17	F&B	1,070			X	X	X	X	X	X	X
5	A5-18	F&B	2,030			X	X	X	X	X	X	X
5	A5-19	Retail	870			X	X	X	X	X	X	X
5	A5-20	Retail	1,078			X	X	X	X	X	X	X
5	A5-21	Retail	455									X
5	A5-23	F&B	1,225									X
5	A5-29	Retail	1,200			X	X	X	X	X	X	X
5	A5-30	Retail	545									X
5	A5-31	F&B	900			X	X	X	X	X	X	X
5	A5-34	F&B	1,425									X
5	A5-35	F&B	1,425									X
5	A5-36	Retail	625									X
5	L5-MG-02	F&B	1,277									X
5	L5-MG-03	F&B	1,175									X
5	L5-MG-04	F&B	1,075									X
5	L5-MG-05	F&B	2,432									X
5	L5-MG-07	Retail	1,277									X
5	L5-MG-08	F&B	2,275									X
5	L5-MG-09	Retail	2,432									X
5	L5-MG-14	Retail	850									X
5	L5-MG-15	Retail	530									X
5	L5-MG-18	F&B	500									X
5	L5-MG-19	F&B	850									X
5	L5-MG-26	Retail	150									X
5	L5-MG-27	Retail	150									X
5	L5-MG-30	F&B	730									X
5	L5-MG-31	F&B	810									X
5	L5-IMG-01	F&B	1,500									X
5	L5-MG-06	INC	1,000									X
5	L5-IMG-04	MEX	60									X
5	L5-IMG-02	Retail	1,500									X

F&B Total	12,735	65%	8,276	13,876	109%	68%	8,710	8,710	68%	44%	5,600	5,600	44%	44%	5,600	31,739	249%
Retail Total	10,959	59%	6,492	9,640	88%	71%	7,822	10,772	98%	57%	6,198	6,198	57%	56%	6,098	31,470	287%
Other Categories																1,060	
TOTAL	23,694		14,768	23,516			16,532	19,482			11,798	11,798			11,698	64,269	
% Change from Baseline			62%	99%			70%	82%			50%	50%			49%	271%	