

CITY OF HOUSTON

John Whitmire

Mayor



Jim Szczesniak Director of Aviation

George Bush Intercontinental ~ William P. Hobby ~ Ellington Airport

May 13, 2024

SUBJECT: Addendum No. 7

REFERENCE: Invitation To Bid (ITB) for IAH Terminal D Conveyance Replacement at George

Bush Intercontinental Airport (IAH), Solicitation No. HOA-CONREP-2024-015;

Project No.1028

To: All Prospective Bidders:

This Addendum is issued for the following reasons:

### I. RESPOND TO QUESTIONS.

1. Question: Addendum 6 revised the total project time to 1078 days, which appears to be in accordance with the answer to Q/A item 8 within the same addendum. However, the durations noted in this question/answer only relate to the actual elevator/escalator/moving walkway work, and no critical path ancillary work required for the project such as mobilization, temporary partition setup/dismantling/relocation, misc. steel work, walkway cladding, etc.. Thus, the overall project duration will need to be longer than is currently allowed on the bid form. How do you want GC bidders to handle this discrepancy in overall project duration?

Response: The Contractor will achieve Date of Substantial Completion within One Thousand and Seventy-Eight Calendar Days (1078) days after Date of Commencement of the Work. The General Contractor will coordinate the ancillary work required for the project such as mobilization, temporary partition setup, dismantling, relocation, miscellaneous steel work, walkway cladding within the allotted 1078 days, subject to adjustments of Contract Time as provided in the provisions of the Contract.

2. Question: Does HAS happen to have the as-built drawings for the existing escalators, moving walkways, and elevators? That would be very helpful in determining what structural modifications need to be made.

**Response:** Refer to revised Sheet A3-10 for layout of temporary walls around the elevators. Temporary barricading, provided by the Elevator Contractor, will be used for the work on the elevators. The landing doors will be locked when no work is being performed on an elevator landing. If no work is being performed on a level, then barricading will not be required.

Council Members: Amy Peck Tarsha Jackson Abbie Kamin Carolyn Evans-Shabazz Fred Flickinger Tiffany D. Thomas Mary Nan Huffman Mario Castillo Joaquin Martinez Edward Pollard Martha Castex-Tatum Julian Ramirez

Willie Davis

Twila Carter

Letitia Plummer Sallie Alcorn

Controller: Chris Hollins

May 13, 2024 IAH Terminal D

IAH Terminal D Conveyance Replacement at George Bush Intercontinental Airport (IAH)

Solicitation No. HOA-CONREP-2024-015

Project No.1028

## **II. NARRATIVE OF CHANGES TO PLANS:**

### 1.SHEET G1-00:

- a. Updated the cover sheet issuance of addendum #7 and date.
- b. Updated airport director's name

### 2.SHEET G1-10:

a. Updated the drawing index and current code cycle.

## 3. Added SHEETS A1-01 IAH PARTIAL SITE PLAN AND A1-02 IAH TERMINAL D SITE PLAN

a. Identify dumpster and storage locations.

## 4.SHEETS A3-01, A3-02, A3-03, A3-04:

a. Modified the size of material staging locations inside the terminal and changed the color of screen wall to for easy identification.

## 5.SHEET A3-10:

a. Added temporary screen wall locations at elevators.

When issued, the Addendum shall automatically become part of the solicitation documents and supersede any previous specification(s) and provision(s) in conflict with the Addendum. The supplement will be incorporated into the Agreement as applicable. The bidder(s) is responsible for ensuring that all such letter(s) have been obtained. By submitting a bid on this project, bidder(s) shall be deemed to have received all Addenda and incorporated them into their bid.

If you need further clarification regarding this solicitation, please email Ola Alhammami, Senior Procurement Specialist, at <a href="mailto:ola.alhammami@houstontx.gov">ola.alhammami@houstontx.gov</a>.

--- DocuSigned by:

Cathy Vander Plaats

-02232028DE99414...

Cathy Vander Plaats
Aviation Procurement Officer
Houston Airport System

CVP/oa

cc: Alfredo Oracion Solicitation File

Attachments: SHEET G1-00

**SHEET G1-10** 

Added SHEETS A1-01 IAH PARTIAL SITE PLAN AND A1-02 IAH TERMINAL D SITE

SHEETS A3-01, A3-02, A3-03, A3-04

**SHEET A3-10** 

— DS 10 4

## **CITY OF HOUSTON MAYOR:**

JOHN WHITMIRE

## **CITY COUNCIL MEMBERS:**

DISTRICT A - AMY PECK

DISTRICT B - TARSHA JACKSON

DISTRICT C - ABBIE KAMIN

DISTRICT D - CAROLYN EVANS SHABAZZ

DISTRICT E - FRED FLICKINGER

DISTRICT F - TIFFANY D. THOMAS

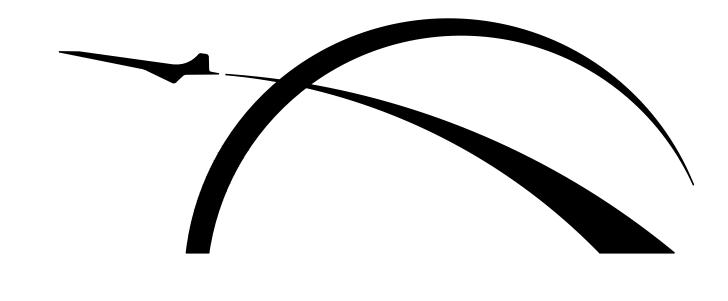
DISTRICT G - MARY NAN HUFFMAN

DISTRICT H - MARIO CASTILLO

DISTRICT I - JOAQUIN MARTINEZ

DISTRICT J - EDWARD POLLARD

DISTRICT K - MARTHA CASTER-TATUM



# HOUSTON AIRPORT SYSTEM

PLANS FOR CONSTRUCTION

# IAH TERMINAL D CONVEYANCE REPLACEMENT

GEORGE BUSH INTERCONTINENTAL/HOUSTON

AIRPORT (IAH)

**ISSUED FOR ADDEN-07** 

TIP-23-175-IAH - BSG-2023-188-IAH

HAS PROJECT NO: PN-1028

LOA 925A-026

MWA 23-08

HOUSTON AIRPORT SYSTEM DIRECTOR - JIM SZCZESNIAK





CITY OF HOUSTON CONTROLLER:

**CHRIS HOLLINS** 

**CITY COUNCIL MEMBERS AT LARGE:** 

AT LARGE POSITION 1 - JULIAN RAMIREZ

AT LARGE POSITION 2 - WILLIE DAVIS

AT LARGE POSITION 3- TWILA CARTER

AT LARGE POSITION 4 - LATITIA PLUMMER

AT LARGE POSITION 5 - SALLIE ALCORN

## **VICINITY MAP**

## **TECHNOLOGY ENGINEER:**

SALAS O'BRIEN

10930 W SAM HOUSTON PRKY NORTH SUITE 900 HOUSTON, TX 77064

**AREA MAP** 

**ARCHITECT: MWA ARCHITECTS** 

11767 KATY FREEWAY, STE. 430 2603 AUGUSTA, STE. 800 HOUSTON, TX 77079 713.482.2329

STRUCTIURAL ENGINEER:

HENDERSON ROGERS

HOUSTON, TX 77057 713.430.5800

**MEP ENGINEER:** JONES ENGINEERS, L.P.

9820 WHITHORN DR. HOUSTON, TX 77095 713.222.7766

**ESTIMATER:** PMG, LLC.

7040EMPIRE CENTRAL DR. HOUSTON, TX 77040 713.880.2626

HOUSTON, TEXAS 77079 - 713-482-2338 **DESIGNER PROJECT No.: ISSUED FOR ADDEN-07** 

**REVISIONS** 

No. DESCRIPTION

DATE

23-08

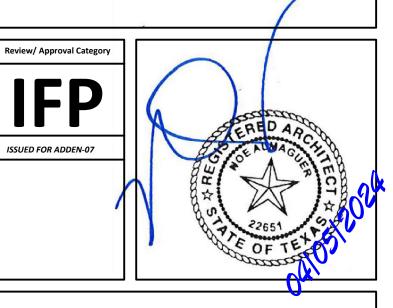
TERMINAL RD, HOUSTON, TX 77032 IAH TERMINAL D CONVEYANCE

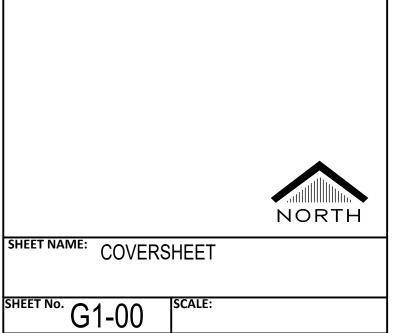
**REPLACEMENT** 

C.I.P. No.

J TOHILL DESIGNER: J TOHILL DRAWN BY: CHECKED BY: 05/13/2024 **ISSUE DATE:** APPROVED BY: APPROVAL DATE:

> DIRECTOR HOUSTON AIRPORT SYSTEM





ACRONYM / ABBREVIATION FULL TECHNICAL TERM .		ACRONYM / ABBREVIATION FULL TECHNICAL TERM	
\4A	Airlines for America Air conditioning A/C American Architectural	FHWA	FEDERAL HIGHWAY ADMINISTRATION
AMA	Manufacturers Association American Association of State Highway and AASHTO	FIDS FIS	FLIGHT INFORMATION DISPLAY SYSTEM FEDERAL INSPECTION SERVICES
ABA	Transportation Officials Architectural Barriers Act	FM FOC	FACTORY MUTUAL FIBER OPTIC CABLE
AC .	Advisory Circular	FM	FEET PER MINUTE
ACI ACM	American Concrete Institute Asbestos Containing Material	FPY ft/sec	FIRST PASS YIELD FOOT/FEET PER SECOND
ACR	Air Conditioning and Refrigeration	GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
ACT ADA	Acoustical Ceiling Tile Americans with Disabilities Act	GIDS GIS	GATE INFORMATION DISPLAY SYSTEM GEOGRAPHIC INFORMATION SYSTEM
ADAAG ADE	Accessibility Guidelines for Buildings and Facilities Airport Development and Engineering	GPM GPU	GALLONS PER MINUTE GROUND POWER UNITS
ADG	Airplane Design Group	GWB	GYPSUM WALL BOARD
ADWR AEC	AIRLINE DRINKING WATER RULE ARCHITECTURAL, ENGINEERING AND CONSTRUCTION	H:V HAG	HORIZONTAL:VERTICAL HAGER COMPANIES
\EP	ANNUAL EXCEEDANCE PROBABILITY	HAS	HOUSTON AIRPORT SYSTEM
AFBMA AFFF	ANTI-FRICTION BEARING MANUFACTURERS ASSOCIATION AQUEOUS FILM FORMING FOAM	HCFCD HEC-HMS	HARRIS COUNTY FLOOD CONTROL DISTRICT HYDROLOGIC MODELING SYSTEM
AGL AHJ	ABOVE GROUND LEVEL AUTHORITY HAVING JURISDICTION	HGL HHW	HYDRAULIC GRADE LINE HEATING HOT WATER
AHRI	AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE	HID	HIGH INTENSITY DISCHARGE
AHU AIP	AIR HANDLING UNIT AIRPORT IMPROVEMENT PROGRAM	HMAC HMI	HOT MIX ASPHALT CONCRETE HUMAN MACHINE INTERFACE
AISC ALP	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	HOA	HAND-OFF-AUTO
ANSI	AIRPORT LAYOUT PLAN AMERICAN NATIONAL STANDARDS INSTITUTE	HOU HPS	WILLIAM P. HOBBY AIRPORT HIGH PRESSURE SODIUM
AOA API	AIRPORT OPERATIONS AREA AMERICAN PETROLEUM INSTITUTE	HSD HSLA	HIGH-SPEED DIVERTER HIGH STRENGTH LOW ALLOW
APWC	AIRCRAFT POTABLE WATER CABINET	HTHW	HIGH TEMPERATURE HOT WATER
ARCP ARFF	AIRPORT COOPERATIVE RESEARCH PROGRAMS AIRCRAFT RESCUE AND FIREFIGHTING	H:V HVAC	HORIZONTAL TO VERTICAL (RATIO) HEATING, VENTILATION, AND AIR-CONDITIONING
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE	Hz	HERTZ
ARP ASCE	AEROSPACE RECOMMENDED PRACTICE AMERICAN SOCIETY OF CIVIL ENGINEERS	I/O IAH	INPUT/OUTPUT GEORGE BUSH INTERCONTINENTAL AIRPORT
ASCII ASD	AMERICAN STANDARD CODE FOR INFORMATION INTERCHANGE ALLOWABLE STRESS DESIGN		INDOOR AIR QUALITY INTERNATIONAL AIR TRANSPORT ASSOCIATION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND	IBC	INTERNATIONAL BUILDING CODES
ASJ	AIR-CONDITIONING ENGINEERS ALL-SERVICE JACKET	ICEA ID	INSULATED CABLE ENGINEERS ASSOCIATION INNER DIAMETER
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	IDF	INTERMEDIATE DISTRIBUTION FRAME
ASTM ATA	AMERICAN SOCIETY FOR TESTING AND MATERIALS AIR TRANSPORT ASSOCIATION OF AMERICA	IIDM IEC	INFRASTRUCTURE DESIGN MANUAL INTERNATIONAL ELECTROTECHNICAL COMMISSION
ATC ATR	AIR TRAFFIC CONTROL AUTOMATIC TAG READER	IECC IEEE	INTERNATIONAL ENERGY CONSERVATION CODE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
ATS	AUTOMATIC TRANSFER SWITCHES	IESNA	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERIC
AWG AWWA	AMERICAN WIRE GAUGE AMERICAN WATER WORKS ASSOCIATION	IFC IGBT	INTERNATIONAL FIRE CODE INSULATED-GATE BIPOLAR TRANSISTOR
BAS	BUILDING AUTOMATED SYSTEM	IPC	INTERNATIONAL PLUMBING CODE
BHMA BHS	BUILDERS HARDWARE MANUFACTURERS ASSOCIATION BAGGAGE HANDLING SYSTEM	ISAT ISD	(TSA) INTEGRATED SITE ACCEPTANCE TESTING INLINE SCREENING DEVICE
BHSC	BAGGAGE HANDING SYSTEM CONTRACTOR	ISO IT	INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
BIDS BIM	BAGGAGE INFORMATION DISPLAY SYSTEMS BUILDING INFORMATION MODELING	ITRP	INFORMATION TECHNOLOGY INTERNATIONAL TERMINAL REDEVELOPMENT PROGRAM
BISCI BMS	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL BUILDING MANAGEMENT SYSTEM	IVE JIC	IVES HARDWARE; INGERSOLL-RAND COMPANY JOINT INDUSTRIAL COUNCIL
BOM	BOMMER INDUSTRIES, INC.	KPI	KEY PERFORMANCE INDICATORS
BOMA BRS	BUILDING OWNERS AND MANAGERS ASSOCIATION BAGGAGE RECONCILIATION SYSTEM	kV kVA	KILOVOLT KILOVOLT-AMP
SD	BAGGAGE STATUS DISPLAYS	kW	KILOWATT
SSG SSM	BUILDING STANDARDS GROUP BAGGAGE SOURCE MESSAGE	kH LAN	KILOWATT-HOUR LOCAL AREA NETWORK
BT BSG	BOLD TYPE BACKLIGHT, UPLIGHT, AND GLARE	LCD LID	LIQUID CRYSTAL DISPLAY LIGHT-EMITTING DIODE
BTU	BRITISH THERMAL UNIT	LEED	LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN
BUTT	THREE-KNUCKLE CONCEALED ANTIFRICTION-BEARING, FULL-MORTISE HINGES	LOMR LOTO	LETTER OF MAP REVISION LOCK-OUT-TAG-OUT
CAD	COMPUTER-AIDED DESIGN	LPI	LIGHTING PROTECTION INSTITUTE
CBIS CBR	CHECKED BAGGAGE INSPECTION SYSTEM CALIFORNIA BEARING RATIO	LR LRFD	LIGHT REFLECTANCE (VALUE) LOAD AND RESISTANCE FACTOR DESIGN MODEL
BRA	CHECKED BAGGAGE RECONCILIATION AREA	M3	MAP MANAGEMENT
CCT	CLOSED CIRCUIT TELEVISIONS CLUSTER CONTROL UNIT	MCK MCP	MCKINNEY PRODUCTS COMPANY MOTOR CONTROL PANELS
DA fm	CRITICAL DESIGN AIRCRAFT CUBIC FOOT/FEET PER MINUTE	MDF MDS	MAIN DISTRIBUTION FRAME MOBILE DISPLAY SYSTEM
CHW	CHILLED WATER	MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
CLOMR CMA	CONDITIONAL LETTER OF MAP REVISION CHANGE MANAGEMENT APPROVAL	MIS MLIT	MANAGEMENT INFORMATION SYSTEM MICKEY LEYLAND INTERNATIONAL TERMINAL
COH	CITY OF HOUSTON CORBIN RUSSWIN ARCHITECTURAL HARDWARE	mph MRL	MILE PER HOUR MACHINE ROOM-LESS
PE	CENTERPOINT ENERGY	MSS	MANUFACTURER'S STANDARDIZATION SOCIETY
CPS CRC	CATHODIC PROTECTION SYSTEM CHANGE REVIEW COMMITTEE	MTM M-T-T-M	MAIN-TIE-MAIN MAIN-TIE-TIE-MAIN
RF	CONDENSATION RESISTANCE FACTOR	NACE	NATIONAL ASSOCIATION OF CORROSION ENGINEERS
SI SPP	CONSTRUCTION SPECIFICATION INSTITUTE CONSTRUCTION SAFETY PHASING PLAN	NAVAID NBPT	NAVIGATIONAL AID NO BREAK POWER TRANSFER
CTA	CENTRAL TERMINAL AREA	NC	NOISE CRITERIA
CTB CWP	CEMENT TREATED BASE COLD WORKING PRESSURE	NCS NDL	NATIONAL CAD STANDARDS NO DOLLAR LIMIT
UP	CENTRAL UTILITY PLANT	NEC	NATIONAL ELECTRIC CODE
)AS )	DISTRIBUTED ANTENNA SYSTEM DECIBEL	NEMA NETA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION INTERNATIONAL ELECTRICAL TESTING ASSOCIATION
IBA )B	A-SCALE DECIBELS DRY-BULB	NFPA NGS	NATIONAL FIRE PROTECTION ASSOCIATION NATIONAL GEODETIC SURVEY
MS	DATABASE MANAGEMENT SYSTEM	NIC	NOISE ISOLATION CLASS
DC DC	DIRECT CURRENT DIRECT DIGITAL CONTROL	NOI NPDES	NOTICE OF INTENT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
)FT	DISCRETE FOURIER TRANSFORM	NPS	NOMINAL PIPE SIZE
)GP )HSCBP	DATA GATHERING PANEL DEPARTMENT OF HOMELAND SECURITY CUSTOMS AND	NSF O&M	NATIONAL SANITATION FOUNDATION OPERATION AND MAINTENANCE
)IP	BORDER PROTECTION DUCTILE IRON PIPE	O.D. OCCS	OUTSIDE DIAMETER OMNICLASS CONSTRUCTION CLASSIFICATION SYSTEM
LC	DESIGNLIGHTS CONSORTIUM	OFA	OBJECT FREE AREA
OAS OJ	DEDICATED OUTDOOR AIR SYSTEM DEPARTMENT OF JUSTICE	OITC ORAT	OUTDOOR-INDOOR TRANSMISSION CLASS OPERATIONAL READINESS AND AIRPORT TRANSFER
OR	THE DORMA GROUP NORTH AMERICA	OS&Y	OUTSIDE STEM AND YOKE
PWE SHS	DEPARTMENT OF PUBLIC WORKS AND ENGINEERING TEXAS DEPARTMENT OF STATE HEALTH SERVICES	OSHA OSR	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION ON-SCREEN RESOLUTION
X AD	DIRECT EXPANSION ENVIRONMENTAL AFFAIRS DEPARTMENT	PA PACS	PUBLIC ADDRESS PRIMARY AIRPORT CONTROL STATION
BS	EARLY BAGGAGE STORAGE	PBB	PASSENGER BOARDING BRIDGE
CC DS	ENVIRONMENTAL COMPLIANCE CHECKLIST EXPLOSIVE DETECTION SYSTEM	PC PCA	PRE-CONDITIONED PRE-CONDITIONED AIR
FD	ELLINGTON AIRPORT	PCC	PORTLAND CEMENT CONCRETE
FSO MT	EMERGENCY FUEL SHUTOFF ELECTRICAL METALLIC TUBING	PCPM PDC	POLICY, CRITERIA AND PROCEDURE MANUAL PLANNING, DESIGN, AND CONSTRUCTION
OR	ENGINEER-OF-RECORD	PE	POLYETHYLENE
P PA	ETHYLENE PROPYLENE ENVIRONMENTAL PROTECTION AGENCY	PF PFC	POWER FACTOR PASSENGER FACILITY CHARGES
PDM	ETHYLENE PROPYLENE DIENE MONOMER	PGDS	PLANNING GUIDELINES AND DESIGN STANDARDS
PIC PR	ELECTRONIC PROJECT INFORMATION COOPERATION ETHYLENE PROPYLENE RUBBER	PICV PLB	PRESSURE INDEPENDENT CONTROL VALVE PASSENGER LOADING BRIDGE
PS SP	ELECTRICAL POWER STATION EXPANDED SERVICES PANEL	PLC POU	PROGRAMMABLE LOGIC CONTROLLER POINT-OF-USE
SS	ELECTRONIC SAFETY AND SECURITY	PPE	PERSONNEL PROTECTIVE EQUIPMENT
UL WC	ENABLING UTILITIES LANDSIDE ELECTRIC WATER COOLER	Psf psi	POUND(S) PER SQUARE FOOT POUNDS PER SQUARE INCH
AA	FEDERAL AVIATION ADMINISTRATION	psig	POUNDS PER SQUARE INCH GAUGE
AR AS	FEDERAL AVIATION REGULATIONS FIRE ALARM SYSTEM(S)	PTFE PTM	POLYTETRAFLUOROETHYLENE PREFORMED THERMOPLASTIC MARKINGS
:CO	FLIGHT CLOSE-OUT	PVC	POLYVINYL CHLORIDE
CU DA	FAN-COIL UNIT FOOD AND DRUG ADMINISTRATION	PWC PWE	POTABLE WATER CABINET PUBLIC WORKS AND ENGINEERING
DC	FIRE DEPARTMENT CONNECTION	PWL	PERCENT WITHIN LIMITS
DC EMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	PWM	PULSE WIDTH MODULATED

ACRONYM / ABBREVIATION FULL TECHNICAL TERM **PWS** PUBLIC WATER SYSTEM REGISTERED ACCESSIBILITY SPECIALIST REINFORCED CONCRETE CYLINDER PIPE RCCP RFID RADIO FREQUENCY IDENTIFICATION RFV REQUEST FOR VARIANCE RGS RIGID GALVANIZED STEEL RFI ATIVE HUMIDITY RIX RIXSON SPECIALTY DOOR CONTROLS RSM **ROOT MEAN SQUARE** ROW RIGHT-OF-WAY **ROTATIONS PER MINUTE** RPM RQE REQUEST TO EXIT RSA **RUNWAY SAFETY AREA** REMOTE TRANSMITTER RECEIVER RTR SACS SECONDARY AIRPORT CONTROL STATION SAE SOCIETY OF AUTOMOTIVE ENGINEERS SAR SARGENT MANUFACTURING COMPANY SARA SERVICE ANIMAL RELIEF AREA **SCADA** SUPERVISORY CONTROL AND DATA ACQUISITION SCH SCHLAGE COMMERCIAL LOCK DIVISION SCR SILICON CONTROLLED RECTIFIER SEASONAL ENERGY EFFICIENCY RATIO SEER SCHWEITZER ENGINEERING LABORATORIES SIDA SECURITY IDENTIFICATION DISPLAY AREA SLA SERVICE LEVEL AGREEMENT **SMACNA** SHEET METAL & AIR CONDITIONING CONTRACTOR'S NATIONA ASSOCIATION SOP STANDARD OPERATING PROCEDURE SPILL PREVENTION, CONTROL AND COUNTERMEASURE SPCC SPCD SAFETY PLAN COMPLIANCE DOCUMENT SPD SURGE PROTECTION DEVICES SPDT SINGLE-POLE, DOUBLE-THROW SPRI SINGLE PLY ROOFING INDUSTRY SQL STRUCTURED QUERY LANGUAGE SSS SANITARY SEWER SYSTEMS SSTP (TSA) SITE-SPECIFIC TEST PLAN STA STANLEY COMMERCIAL HARDWARE STANDARDS DESIGN STANDARDS SOUND TRANSMISSION CONTROL STC SINGLE-UNIT SUBSURFACE UTILITY ENGINEERING SUE STORMWATER POLLUTION PREVENTION PLAN TEXAS COMMISSION ON ENVIRONMENTAL QUALITY **TCEQ** TDLR TEXAS DEPARTMENT OF LICENSING AND REGULATION TOTAL HARMONIC DISTORTION THD THERMOPLASTIC. HEAT AND WATER (RESISTANT WIRE) THW **TPDES** TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TPO THERMOPLASTIC POLYOLEFIN TRB TRANSPORTATION AND RESEARCH BOARD TRR (TSA) TEST READINESS REVIEW TSA TRANSPORTATION SECURITY ADMINISTRATION **TxDOT** TEXAS DEPARTMENT OF TRANSPORTATION UF UNDERGROUND FEEDER UNDERWRITERS' LABORATORIES, INC. **MICROMETER** UMC UNIFORM MECHANICAL CODE **UNLESS NOTED OTHERWISE** UNO UPC UNIFORM PLUMBING CODE UPS USGBC UNDERGROUND STORAGE TANKS VAC VOLTS ALTERNATING CURRENT VAV VARIABLE AIR VOLUME VINYL COMPOSITION VDC **VOLTS OF DIRECT CURRENT VGGS** VFD VARIABLE FREQUENCY DRIVES **VOLATILE ORGANIC COMPOUND** VOC VRLA VALVE-REGULATED LEAD-ACID VSR VEHICLE SERVICE ROAD WAN WORK AREA NOTIFICATION WIDE BODY WATER GAUGE EXTENSIBLE MARKUP LANGUAGE YALE COMMERCIAL LOCKS AND HARDWARE

CODES. CONSTITUTE THE CITY OF HOUSTON CODES. CURRENT AMENDMENTS HOUSTON CONSTRUCTION CODE AMENDMENTS ORDINANCE EXHIBIT A: 2021 INTERNATIONAL BUILDING CODE (HOUSTON AMENDMENTS) EXHIBIT B: 2023 NATIONAL ELECTRICAL CODE (ADMINISTRATIVE ADMENDMENTS) EXHIBIT C: 2021 INTERNATIONAL EXISTING BUILDING CODE (HOUSTON AMENDMENTS) EXHIBIT D: 2021 INTERNATIONAL FIRE CODE (HOUSTON AMENDMENTS) EXHIBIT E: 2021 UNIFORM MECHANICAL CODE (HOUSTON ADMENDMENTS) EXHIBIT F: 2021 UNIFORM PLUMBING CODE (HOUSTON ADMENDMENTS) EXHIBIT G: 2021 INTERNATIONAL RESIDENTIAL CODE (HOUSTON ADMENDMENTS) EXHIBIT H: 2021 INTERNATIONAL SWIMMING POOL AND SPA CODE EXHIBIT I: CITY CODE AMENDMENTS EXHIBIT J: RESIDENTIAL PERMIT FEE SCHEDULE RESIDENTIAL ENERGY: 2021 IECC AMENDMENTS - RESIDENTIAL PROVISIONS COMMERCIAL ENERGY: THE 2021 IECC INTERNATIONAL ENERGY CONSERVATION CODE (HOUSTON ADMENDMENTS) LIFE SAFETY BUREAU STANDARDS SELECT THE LINKS BELOW TO DOWNLOAD AND REVIEW THE HOUSTON FIRE DEPARTMENT'S LIFE SAFETY BUREAU STANDARDS. LSB STANDARD 01 - INSTALLATION AND MAINTENANCE OF PORTABLE FIRE **EXTINGUISHERS** LSB STANDARD 02 - INSPECTION AND TESTING OF FIRE PROTECTION AND LIFE-SAFETY **EQUIPMENT** LSB STANDARD 03 - FIRE DEPARTMENT ACCESS LSB STANDARD 04 - ACCESS CONTROL GATES LSB STANDARD 05 - KEY BOXES LSB STANDARD 06 - FIRE DEPOSITORY BOXES LSB STANDARD 07 - HIGH-RISE FIRE SAFETY PLANS

LSB STANDARD 08 - FIRE DRILLS

**OPERATIONS** 

LSB STANDARD 09 - MARKING OF FIRE HYDRANTS

LSB STANDARD 10 - LP GAS AND OPEN FLAME USE

LSB STANDARD 14 - UNATTENDED SERVICE STATIONS

LSB STANDARD 15 - MOBILE REFUELING WET HOSING

LSB STANDARD 13 - OUTSIDE PROTECTED ABOVEGROUND TANKS

LSB STANDARD 16 - OPEN BURNING AND RECREATIONAL FIRES

LSB STANDARD 18 - HIGH-RISE FIRE SAFETY PLAN APPROVAL

LSB STANDARD 24 - MID-RISE ATRIUM FIRE SAFETY PLANS

LSB STANDARD 17 - TIRE CHIPPING AND SHREDDING OPERATIONS

LSB STANDARD 22 - TENTS AND OTHER MEMBRANE STRUCTURES

LSB STANDARD 23 - MID-RISE ATRIUM FIRE SAFETY PLAN APPROVAL

LSB STANDARD 19 - RAW WOOD WASTE PROCESSING/RECYCLING, STORAGE AND

LSB STANDARD 25 - SAFETY INSPECTIONS FOR VEHICLES ON INDOOR DISPLAY

CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF WORK FOR ALL TRADES. MODIFY AND ADJUST ROUTING AND LOCATIONS AS

THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE MADE FOR FAILURE TO PROPERLY COORDINATE WORK.

ATTENTION OF THE OWNER AND DESIGN FIRM.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

OBTAINED FROM HAS PRIOR TO PERFORMING THE WORK.

REQUIREMENTS ARISES, USE THE MOST RESTRICTIVE

OUTER TRIM PANELS ON THE MOVING WALKS TO THE FLOOR.

WILL BE UNIQUELY IDENTIFIED AND LABELED.

RENOVATION WORK.

REQUIRED SUBJECT TO THE APPROVAL OF THE OWNER AND DESIGN FIRM. ALL ITEMS OF WORK SHALL FIT PROPERLY IN THE PROJECT.

CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL PORTIONS OF THE PROJECT. ANY DISCREPANCY SHALL BE BROUGHT TO THE

CONTRACTOR SHALL PROTECT WALLS, CEILINGS AND OTHER FINISH WORK THAT ARE TO REMAIN OR THAT ARE EXPOSED DURING

FAILURE TO COORDINATE ALL ASPECTS OF THE PROJECT BY MAKING ADJUSTMENTS OR FIELD VERIFYING DIMENSIONS IS THE RESPONSIBILITY

CONTRACTOR SHALL PROVIDE PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT FACILITIES TO REMAIN.

CONTRACTOR SHALL CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY RENOVATION OR WORK

OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE SELECTIVE DEMOLITION AND RENOVATION WORK OPERATIONS

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING AN ORDERLY AND ACCOMMODATIVE ENVIRONMENT OF THE CONSTRUCTION

PURPOSE AND SHALL, PRIOR TO CONCLUSION OF THE WORK, REMOVE ALL RUBBLE, DEBRIS, AND SURPLUS MATERIAL OCCASIONED FROM

CONSTRUCTION OF THE FACILITY. EACH PROJECT SHALL CONTAIN SUCH SIGNAGE ALERTING THE PUBLIC TO THE TEMPORARY NATURE OF THE

CONTRACTOR PARKING LOCATION, ACCESS TO CONSTRUCTION AREA, SECURITY COORDINATION WITH IAH OPERATIONS AND MLIT PROJECT,

THE IMMEDIATE SITE. IN ADDITION. CONTRACTOR SHALL SIMILARLY RENDER AND RESTORE ALL OFF-SITE AREAS DISTURBED DURING THE

VISUAL OR OPERATIONAL IMPACTS OF THE PROJECT AND ADVISING WHEN THE WORK WILL BE COMPLETED AS REQUIRED BY HAS.

THE CONTRACTOR TO COORDINATE AND OBTAIN APPROVAL OF ALL LAY-DOWN AREAS, DEBRIS, REFUGE, BADGING REQUIREMENTS,

INCLUDING REQUIREMENTS FOR TSA DOG SWEEPS FOR INCOMING MATERIAL DELIVERIES. VEHICLE MARKINGS. STROBE LIGHTING

REQUIREMENTS AS APPLICABLE, COORDINATE WITH TERMINAL MANAGEMENT FOR OTHER LOGISTICAL INFORMATION REQUIRED.

PER CURRENT 2023 NEC, COH AMENDMENTS AND 2023 HAS AND FAA DESIGN STANDARDS. IF ANY CONFLICT BETWEEN ANY CODE

AN AIRPORT-WIDE EQUIPMENT NUMBERING NOMENCLATURE WILL BE ESTABLISHED SO THAT ALL ELECTRICAL EQUIPMENT AND CIRCUITS

THE VERTICAL EXTERIOR CLADDING OF THE MOVING WALKWAYS WILL BE #4 STAINLESS STEEL FINISHED PANELS WHICH WILL FIT FROM THE

RECEPTACLES FOR EQUIPMENT SERVICING SHALL BE GFCI PROTECTED FOR PERSONNEL PROTECTION 2023 NEC 210.8 (E).

CONTRACTOR SHALL COMPLY TO RULES REGULATIONS AND SECURITY REQUIREMENTS OF HAS OR OTHER REGULATORY AGENCY.

ALL WORK THAT CREATES, EXCESSIVE NOISE OR DUST, SHALL BE PREFORMED AFTER HOURS (22:00 TO 06:00) UNLESS PERMISSION IS

AREA, LAY-DOWN AREAS, PARKING AREAS, AREAS USED FOR DEBRIS DISPOSAL, AND ANY AREA USED BY THE CONTRACTOR FOR ANY

LSB STANDARD 11 - ROOFING OPERATIONS

LSB STANDARD 12 - FIREWORKS DISPLAY

REFERENCE CURRENT 2023 HOUSTON AIRPORT DESIGN STANDARD AT: HTTPS://WWW.FLY2HOUSTON.COM/BIZ/RESOURCES/BUILDING-STANDARDS-AND-PERMITS UNINTERRUPTIBLE POWER SUPPLIES UNITED STATES GREEN BUILDING COUNCIL VISUAL DOCKING GUIDANCE SYSTEM ASME 17.1 (2019) SAFETY CODE FOR ELEVATORS AND ESCALATORS

COMPLY WITH ALL HAS DESIGN CRITERIA & 2021 IBC. 2021 UPC WITH COH AMENDMENTS 1. CONTRACTOR SHALL PROVIDE A PROJECT SCHEDULE AND PHASING PREP, PATCH FLOOR SURFACES DAMAGED BY DEMOLITION OR WORK OPERATIONS. PLAN FOR THE MODERNIZATION OF (6) ESCALATORS, AND (6) MOVING ALL PLAN AND DETAILS ARE DRAWN TO SCALE AS MUCH AS POSSIBLE, BUT ARE NOT INTENDED TO BE AND SHOULD NOT BE SCALED. WALKWAYS . TAKE INTO CONSIDERATION THAT THE AIRPORT IS OPEN CONTRACTOR SHALL BE RESPONSIBLE FOR THE RECEIVING, INSPECTION AND STORAGE OF ALL OWNER SUPPLIED GOODS.

TO THE PUBLIC 365 DAYS 24/7. WORK HOURS IN THE TERMINAL SHALL BE FROM 10PM TO 6AM, ADDITIONAL HOURS MAY BE REQUESTED FROM HAS OPERATIONS. COORDINATE WITH HAS OPERATIONS AND MLIT PROJECT TO MINIMIZE INTERRUPTIONS. CONTRACTOR SHALL PROVIDE A TEMPORARY BARRIER TO PROTECT THE PUBLIC FROM THE WORK AREA. TSA DIRECTIONS REQUIRE SOLID BARRICADES MADE OF SHEETROCK AND/OR PLYWOOD (FLOOR TO CEILING AND/OR EIGHT FEET IN HEIGHT). OTHER WALL MATERIALS CAN BE APPROVED BUT MUST BE SUBMITTED FOR REVIEW. DOORS IN BARRICADES MUST BE SECURED WITH KEY-LOCKS W/KEYS CONTROLLED BY THE CONTRACTOR, DOORS MUST HAVE DOUBLE KEYLOCK HANDLES AND/OR DEADBOLTS. KEYS WILL BE RESTRICTED TO PROJECT MANAGERS AND/OR SECURED INSIDE A LOCKED ONSITE COMBO-BOX. CONTRACTOR WILL PROVIDE HAS SECURITY THE NAME OF PERSON(S) IN POSSESSION OF KEY(S) PRIOR TO STARING

PROJECT AND MUST NOTIFY HAS SECURITY OF ANY CHANGE AFTER COMMENCEMENT, AND WILL IMMEDIATELY NOTIFY HAS SECURITY IF A KEY IS LOST AND/OR UNACCOUNTED, AND RECORE LOCK. CONTRACTOR WILL CHANGE CODE TO COMBO-BOX (IF APPLICABLE/IN-USE) IN EVENT PARTY WITH ACCESS IS SEPARATED AND NOTIFY HAS. IF COMBO-BOX IS USED, CODE MUST BE CHANGED MONTHLY. ALL KEYS ARE SUBJECT TO HAS SECURITY AUDIT. 3. IF THERE IS ANY WALL DEMOLITION OR WINDOW PANEL REMOVAL, TO ALLOW DELIVERIES OF EQUIPMENT IT REQUIRES AN AMENDMENT TO

ASP WITH A SECURITY PLAN FOR TSA TO REVIEW & APPROVE. THAT SHOULD BE COORDINATED WITH JOHN NEWCOMB (281-233-7313) WELL IN ADVANCE OF PROJECT AS IT IS REQUIRED TO GIVE TSA A 45-DAY NOTICE TO REVIEW ALL ASP AMENDMENTS. 4. MATERIAL AND EQUIPMENT DELEVERIES SHALL BE INSPECTED BY SECURITY AND DOG SWEEP. THIS INSPECTION SHALL BE SCHEDULED

AND WILL NEED TO TAKE PLACE PRIOR TO 8PM. THE INSPECTED MATERIAL WILL NEED TO BE SECURE UNDER CONSTANT WATCH PRIOR TO PLACEMENT INSIDE THE SECURE TERMINAL LAY DOWN

5. CONTRACTOR SHALL PROVIDE SIGNAGE TO DIRECT THE PUBLIC TO ALTERNATIVE DIRECTION AFFECTED BY THE WORK. 6. CONTRACTOR SHALL REMOVE EXISTING ESCALATORS DE-8 DN, DE-9 UP,DE-13, DE-15, DE-16 AND DE-17 AND REPLACE IN THE SAME LOCATION WITH NEW EQUIPMENT. 7. CONTRACTOR SHALL REMOVE EXISTING MOVING WALKS DMSW-1,

DMSW-2, DMSW-3, DMSW-4, DMSW-6, DMSW-7, AND REPLACE IN THE SAME LOCATION WITH NEW EQUIPMENT. 8. CLEANUP AREA DAILY. 9. PERMANENT PROVISIONS SHALL BE MADE TO PREVENT THE ACCUMULATION OF GROUNDWATER IN THE PIT. DRAINS AND SUMP PUMPS, WHERE PROVIDED SHALL COMPLY WITH THE APPLICABLE

PLUMBING CODE.

THE HOUSTON CONSTRUCTION CODE ESTABLISHES MINIMUM STANDARDS FOR THE CONSTRUCTION, ALTERATION, MAINTENANCE, REPAIR, AND DEMOLITION OF BUILDINGS AND OTHER STRUCTURES TO PROTECT THE LIFE SAFETY OF THE PUBLIC. THE HOUSTON CONSTRUCTION CODE IS ADOPTED AND AMENDED BY CITY COUNCIL THE LATEST REVISION WAS APPROVED BY COUNCIL ON OCTOBER 25, 2023, AND BECAME EFFECTIVE ON JANUARY 1, 2024, THE AMENDMENTS, ALONG WITH THE MODEL

**Sheet List Table** Sheet Title DATE Sheet Number ARCHITECTURE  $\sim\sim\sim$ G1-00 COVERSHEET 05/13/2024 INDEX SHEET G1-10 05/13/2024 A1-01 IAHPARTIAL SITE PLAN 05/13/2024 A1-02 IAH TERMINAL D SITE PLAN 05/13/2024  $\overline{\phantom{a}}$ A2-01 TERMINAL D BASEMENT TICKET AND APRON LEVEL A2-02 TERMINAL BAGGAGE AND TICKETING LEVELS A3-01 ESCALATOR DE-8 & DE-9 LOWER AND UPPER FLOOR 05/13/2024 A3-02 ESCALATORS DE-13 DE-15 DE-16 AND DE-17 05/13/2024 A3-03 05/13/2024 MOVING WALKWAYS A3-04 UNSECURE AND SECURE LAYDOWN AREAS 05/13/2024 A3-10 ELEVATOR PLANS 05/13/2024  $\overline{\phantom{a}}$ MEP E1.01 ELECTRICAL OVERALL PLAN 12/07/2023 E1.02 ELECTRICAL OVERALL PLAN 12/07/2023 E1.03 12/07/2023 ELECTRICAL OVERALL PLAN E2.01 ELECTRICAL FLOOR PLANS 11/28/16/2023 E2.02 ELECTRICAL FLOOR PLANS 11/28/16/2023 E2.03 ELECTRICAL FLOOR PLANS 11/28/16/2023 E2-04 ELECTRICAL FLOOR PLANS 12/07/2023 E2-05 ELECTRICAL FLOOR PLANS 12/07/2023 E2-06 ELECTRICAL FLOOR PLANS 12/07/2023 E3.01 ELECTRICAL DETAILS 11/28/16/2023 E3.02 ELECTRICAL DETAILS 11/28/16/2023 E3.03 | ELECTRICAL DETAILS ONE LINE DIAGRAM 11/28/16/2023 E3.04 ELECTRICAL DETAILS ELECTRICAL PANELS 11/28/16/2023 E3-04 ELECTRICAL DETAILS - ONE LINE DIAGRAM 11/28/16/2023 E3-05 | ELECTRICAL DETAILS - PANEL SCHEDULES 12/18/16/2023 E3-06 | ELECTRICAL DETAILS - PANEL SCHEDULES 11/28/16/2023 E3-07 | ELECTRICAL DETAILS 12/07/2023 E3-08 ELECTRICAL DETAILS 12/07/2023 P0.01 PLUMBING SYMBOLS AND ABBREVIATIONS 12/07/2023 P1.01 PLUMBING OVERALL PLAN 12/07/2023 P2.01 PLUMBING FLOOR PLANS 12/07/2023 P2.02 PLUMBING FLOOR PLAN 12/07/2023 P3.01 PLUMBING DETAILS 12/07/2023 STRUCTURAL S1-01 GENERAL NOTES 05/16/2023 S1-02 GENERAL NOTES 05/10/2023 S2-01 TERMINAL D BASEMENT TICKET AND APRON 05/16/2023 S2-02 TERMINAL BAGGAGE AND TICKETING LEVELS 11/28/2023 S2-20 PARTIAL FRAMING PLANS 05/16/2023 PARTIAL FRAMING PLANS 11/28/2023 S2-22 PARTIAL FRAMING PLANS 05/16/2023 S2-23 PARTIAL FRAMING PLANS 05/16/2023 S2-24 PARTIAL FRAMING PLANS 11/28/2023 S3-01 CONCRETE REPAIR DETAILS 11/28/2023 EQUIPMENT VT-01 GENERAL ELEVATOR INFORMATION 05/16/2023 VT-02 WELLWAY PLAN AND SECTION - ESCALATORS DE 13, 15, 16 05/16/2023 VT-03 WELLWAY PLAN AND SECTION - ESCALATORS DE 17 05/16/2023 VT-04 WELLWAY PLAN AND SECTION - ESCALATORS DE 8 9 05/16/2023

WELLWAY PLAN AND SECTION - MOVING WALKWAYS DMSW 1

WELLWAY PLAN AND SECTION - MOVING WALKWAYS DMSW 2

WELLWAY PLAN AND SECTION - MOVING WALKWAYS DMSW 3

WELLWAY PLAN AND SECTION - MOVING WALKWAYS DMSW 6

TERMINAL D FIS BASEMENT LEVELS TECHNOLOGY PLAN

TECHNOLOGY ENLARGED PLANS

TECHNOLOGY ENLARGED PLANS

WELLWAY PLAN AND SECTION - MOVING WALKWAYS DMSW 4 & 7

TERMINAL D BAGGAGE AND TICKETING LEVELS TECHNOLOGY PLAN

05/16/2023

05/16/2023

05/16/2023

05/16/2023

05/16/2023

11/28/2023

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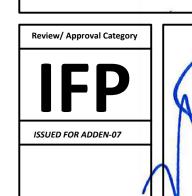
IAH TERMINAL D CONVEYANCE REPLACEMENT - 2800 N TERMINAL RD, HOUSTON, TX 77032 IAH TERMINAL D CONVEYANCE REPLACEMENT C.I.P. No. A.I.P. No. C.O.H. No. D.O.A No. **ARCHITECTS** 11767 KATY FREEWAY HOUSTON, TEXAS 77079 - 713-482-2338

**DESIGNER PROJECT No.:** 23-08 PROJECT STATUS: **ISSUED FOR ADDEN-07 REVISIONS** 

DATE No. DESCRIPTION ISSUED FOR PERMIT 05/10/2023 J TOHILI ISSUED FOR BID 05/16/2023 J TOHILI ISSUED FOR ADDEN-03 06/06/2023 J TOHILI ISSUED FOR PERMIT REVISION 11/27/2023 J TOHILL ISSUED FOR PERMIT REVISION 01/12/2024 ISSUED FOR ADDENDUM 7 05/13/2024 J TOHILL

J TOHILI **DESIGNER:** J TOHILI DRAWN BY: **CHECKED BY:** 05/13/2024 ISSUE DATE: **APPROVED BY:** APPROVAL DATE:

> **DIRECTOR** HOUSTON AIRPORT SYSTEM





CONTRACTOR SHALL COORDINATE WITH SECURITY FOR CONCOURSE AREA BARRICADE.

CONTRACTOR SHALL COORDINATE WITH CBP FOR BADGING AND OR ESCORT.

VT-05

VT-06

VT-07

VT-08

VT-09

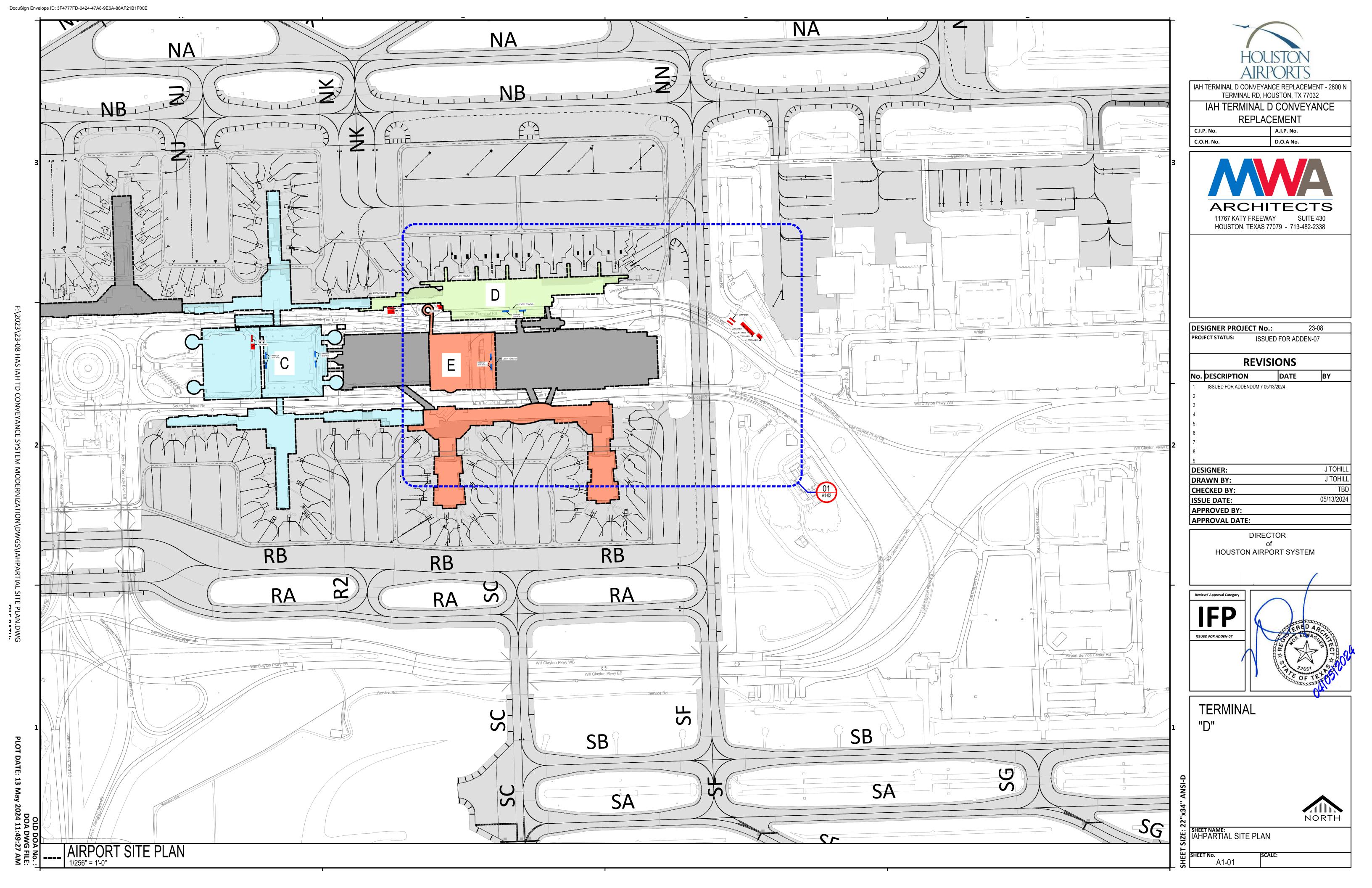
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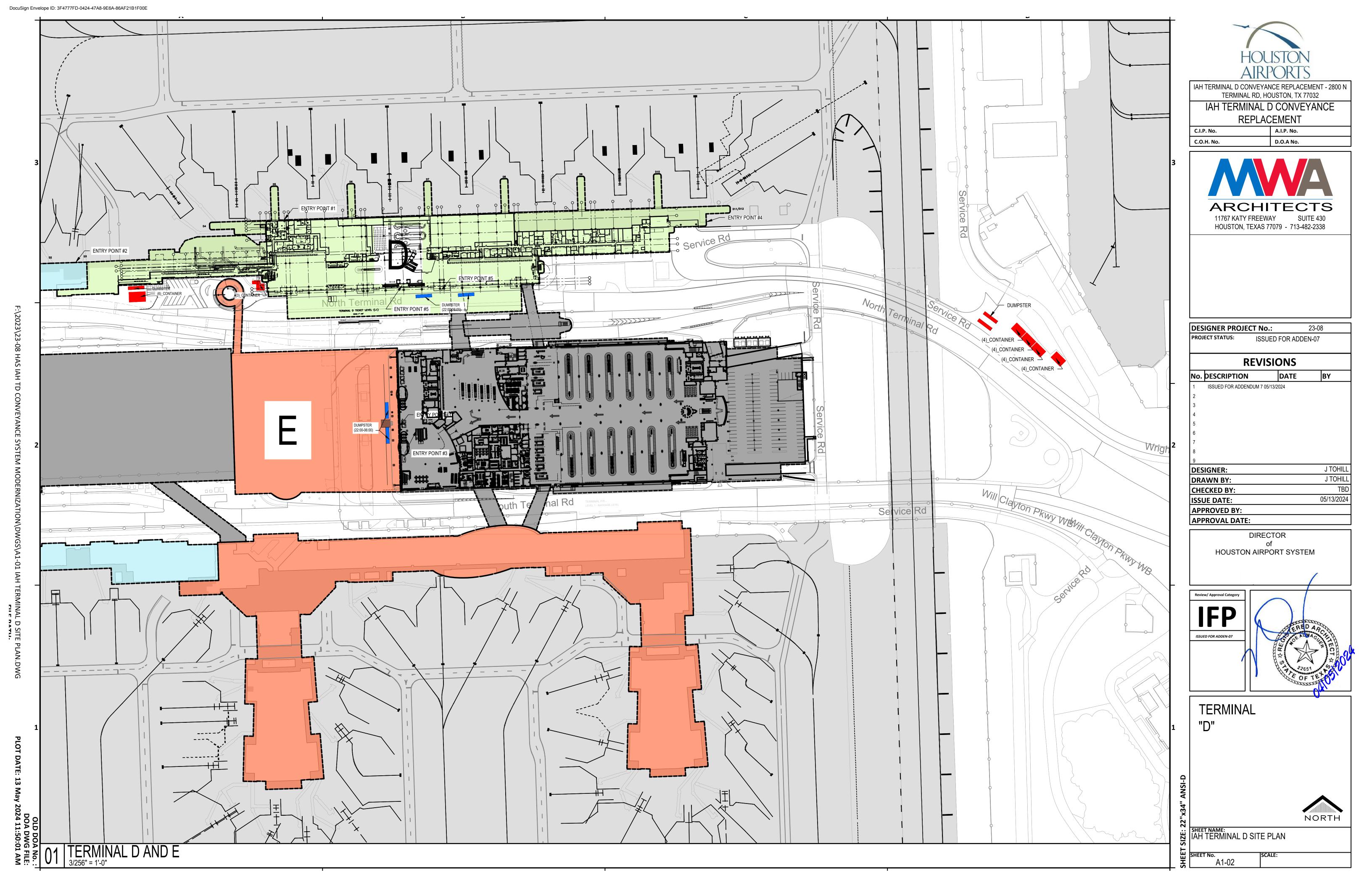
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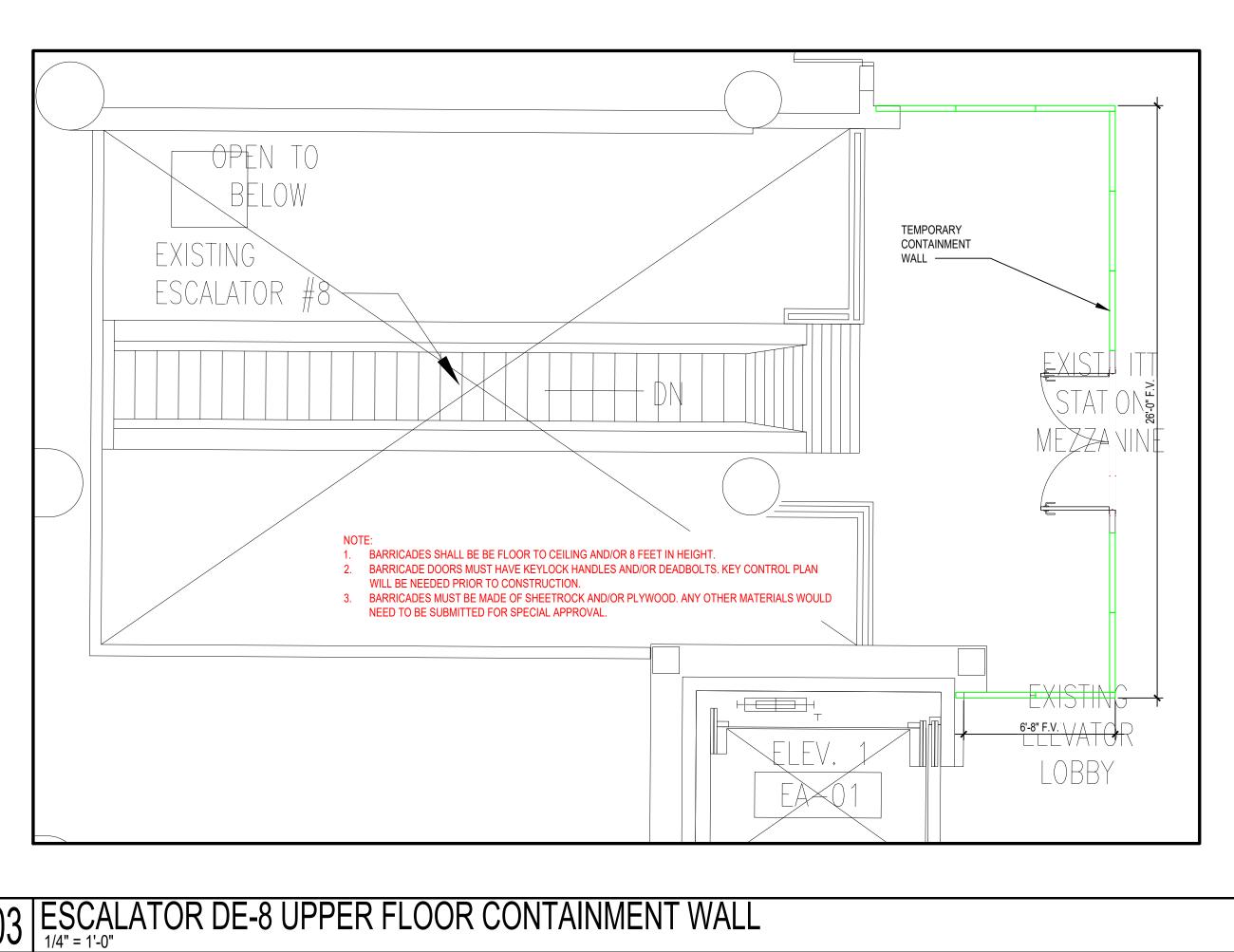
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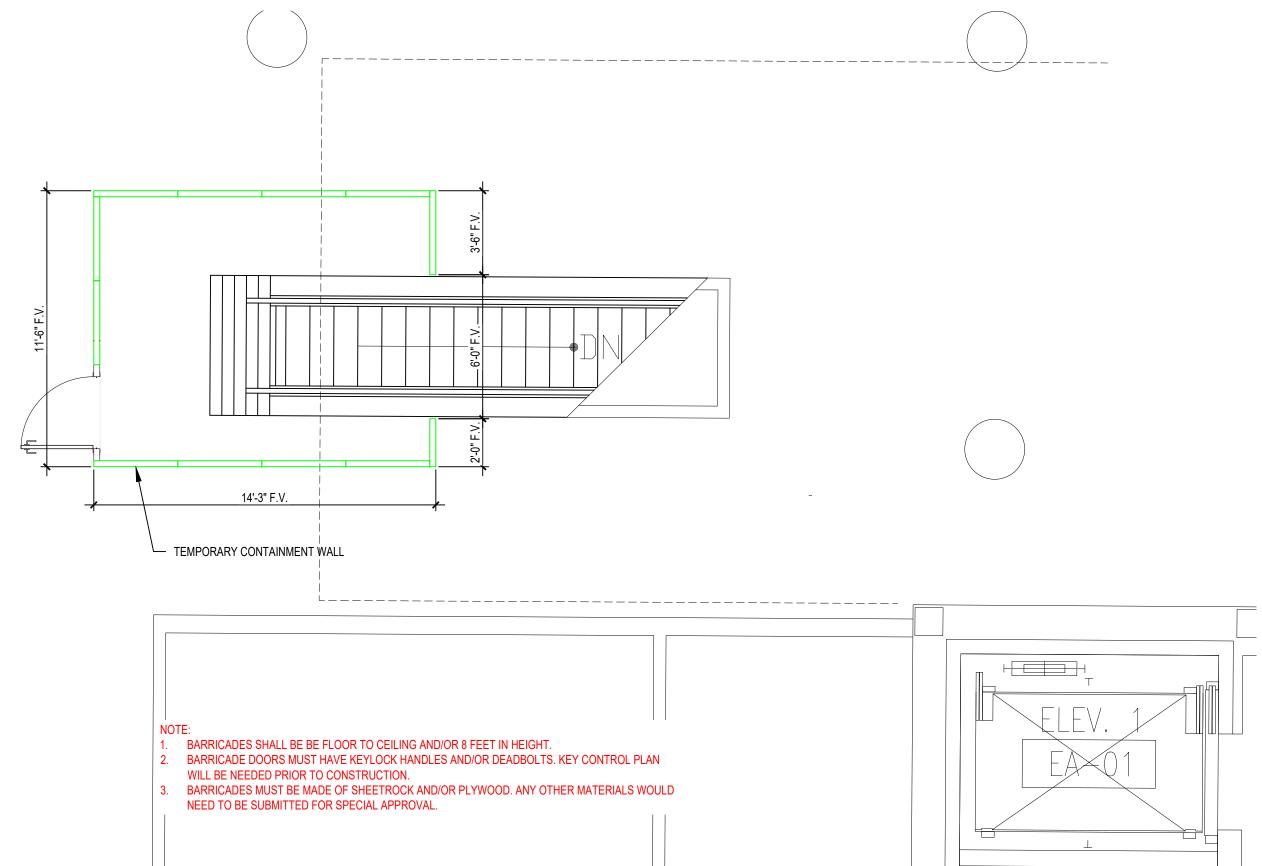
T2-02

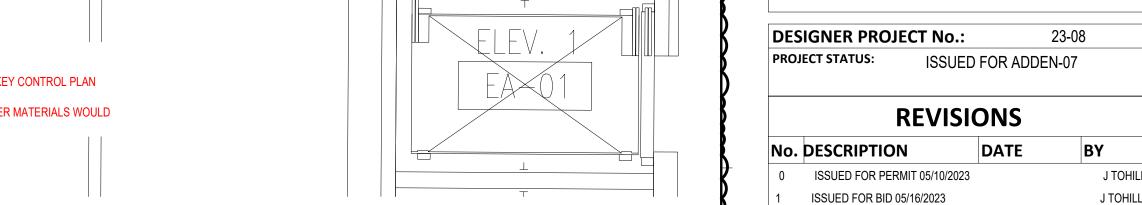
TECHNOLOGY











J TOHILL **DESIGNER:** J TOHILL **DRAWN BY:** TBD **CHECKED BY:** 05/13/2024 **ISSUE DATE: APPROVED BY:** 

ISSUED FOR ADDEN-03 06/06/2023

ISSUED FOR PERMIT REVISION 11/27/2023

ISSUED FOR ADDENDUM 7 05/13/2024

IAH TERMINAL D CONVEYANCE REPLACEMENT - 2800 N TERMINAL RD, HOUSTON, TX 77032

IAH TERMINAL D CONVEYANCE

REPLACEMENT

11767 KATY FREEWAY SUITE 430 HOUSTON, TEXAS 77079 - 713-482-2338

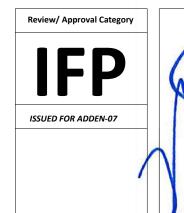
A.I.P. No.

D.O.A No.

C.I.P. No.

C.O.H. No.

**APPROVAL DATE:** DIRECTOR





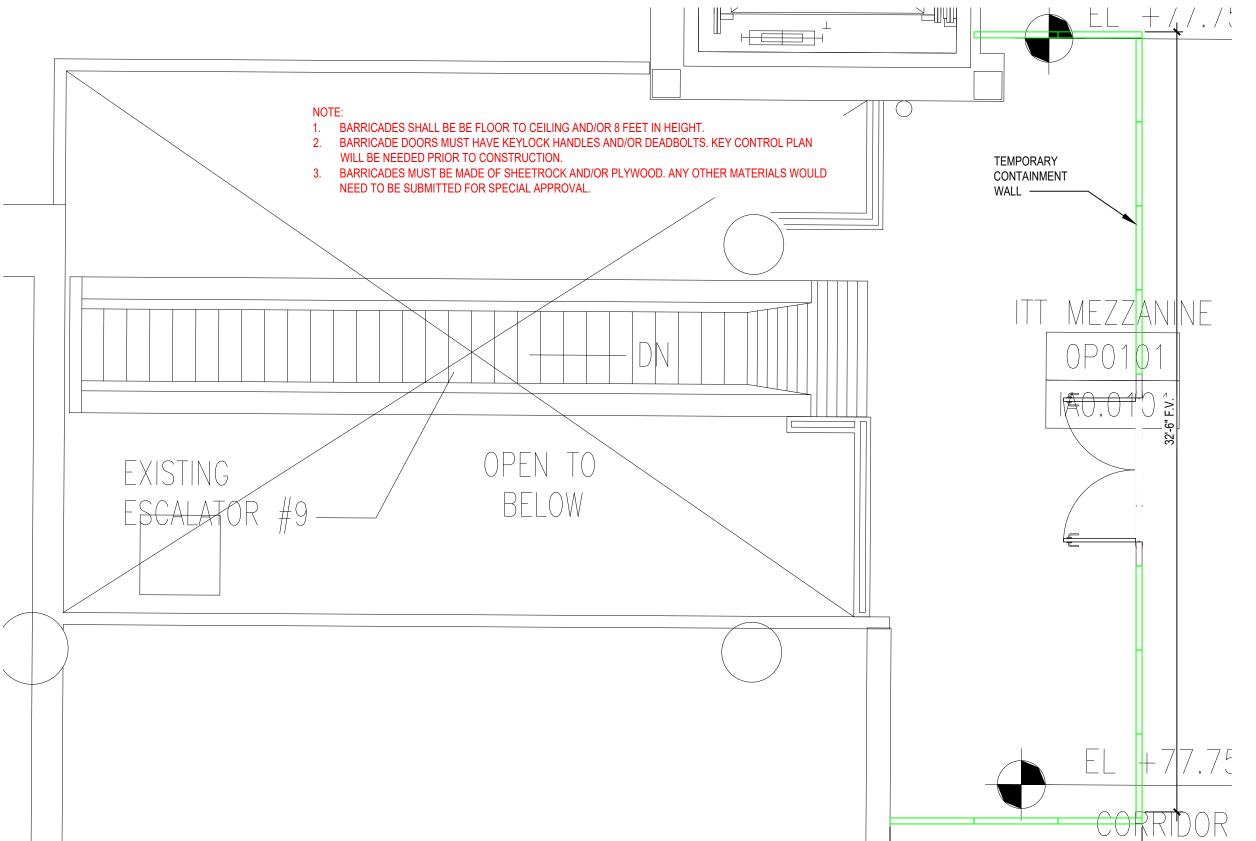
J TOHILL

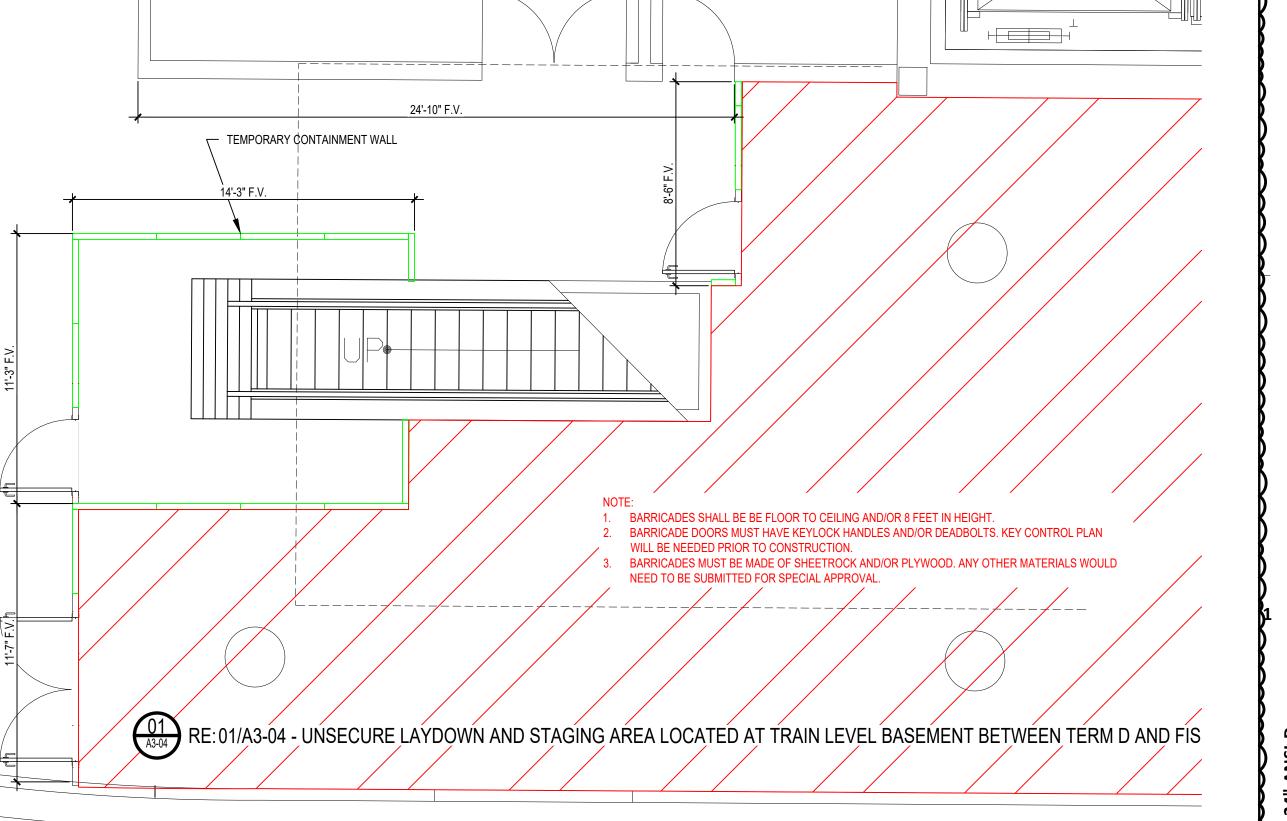


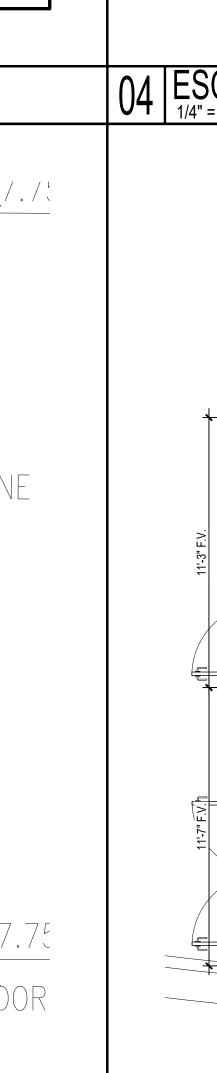


SHEET NAME: ESCALATOR DE-8 & DE-9 LOWER AND UPPER

04 ESCALATOR DE-8 LOWER FLOOR CONTAINMENT WALL







ESCALATOR DE-9 LOWER FLOOR CONTAINMENT WALL

ESCALATOR DE-9 UPPER FLOOR CONTAINMENT WALL

**HOUSTON AIRPORT SYSTEM** 



02 LOWER LEVEL ESCALATOR DE-15

UPPER LEVEL ESCALATOR DE-15 LOWER LEVEL ESCALATORS DE-16 AND DE-17

