



CITY OF HOUSTON

John Whitmire

Mayor



George Bush Intercontinental ~ William P. Hobby ~ Ellington Airport

Jim Szczesniak
Director of Aviation

May 2, 2024

SUBJECT: Addendum No. 4

RE: Invitation to Bid (ITB) Solicitation No. H93-IAHDRR-2024-026, IAH Terminal D Restroom Renovation at Multiple Gates at George Bush Intercontinental Airport (IAH); Project No. 971

To: All Prospective Bidders:

This Addendum is being issued for the following reasons:

- I. Add** the following document in the Project Manual Div00:
 1. Document 00450 – Bidder’s Statement of MWBE/PDBE/DBE/SBE Status
- II. Replace** the following documents in the Project Manual Div00:
 1. Document 00010 – Table of Contents
 2. Document 00410B-3 – Bid Form
 3. Document 00410B-5 – Bid Form
- III. Replace** the following document in the Project Manual Div01:
 1. Section 01110 – Summary of Work
- IV. Replace** the drawings for the IAH Terminal D Restroom Renovation at Multiple Gates at George Bush Intercontinental Airport (IAH).
- V. To Respond to the following questions.**

1. **Question:** Could you please provide the dimensions for the HVAC duct?

Response: All existing ducts are to remain as is. New duct work is not required for this job.

2. **Question:** On the attached project bid form (00410), there are several references to (HOU), a reference we assume is to Hobby Airport. We are not aware of any work at Hobby associated with this project. Can you please confirm?

Response: There is no work at William P. Hobby Airport (HOU) pertaining to this project. All work for this project is only at George Bush Intercontinental Airport (IAH).

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 2, 2024

IAH Terminal D Restroom Renovation at Multiple Gates at George Bush Intercontinental Airport (IAH)

Solicitation No. H93-IAHRRR-2024-026

Project No. 971

3. **Question:** Do we need to upload documentation separately for each project? For the 10% security deposit would this be needed for each project? Is there an option to bid on all together?

Response: All three of the restroom projects are separate stand-alone projects and require complete and separate documentation, security deposits etc. This project cannot be submitted with the other restroom projects. All three bids must be packaged and delivered separately to the City Secretary's Office, located at 900 Bagby Street, P101, Houston, TX 77002. Please label each separate package with the corresponding project name and solicitation number.

4. **Question:** Could you please provide an estimate of the cost for this project?

Response: The estimated cost of this project is \$3,300,000.00.

5. **Question:** When going through the bid documents for the two Terminal D Restroom Renovation projects it seems both were missing some documents. Spec sections 00450, 00613, 00622, 01110 and 01640 are missing.

Response: Sections 00450 and 01110 have been added as part of this Addendum. Document 00622 is created by the Contractor, per Document 00495. The other documents (00613 and 01640) are not applicable and have been removed from the Table of Contents (attached).

6. **Question:** The Babymedi is ADA Compliant and includes a Biocote antimicrobial additive embedded onto its surface. Please note, our Babymedi is more cost-effective compared to what is specified. Would you please consider it as an approved equal and advise?

Response: The Houston Airport System (HAS) design standards requires a different product, and no substitutions are accepted at this time. However, it can be considered in the future.

7. **Question:** Are we allowed to utilize Sealtight (Liquidtight Flexible Metallic Conduit) inside the island areas?

Response: No, Sealtight (Liquidtight Flexible Metallic Conduit) is not allowed.

8. **Question:** The prints call for TRR 45KVA to be Suspended. The current working space will not accommodate the location. Can another location or means be made acceptable?

Response: The XFMR TRR does not show to be suspended.

9. **Question:** The prints call for Panels 1RFNC3.2 and 1RFNC3.3 to be fed from Panel 1RFNC3 but does not designate OCP Size for each panel. What size OCP will be specified?

Response: Please refer to the revised drawings, E-200 IFP cycle 1 addresses the OCP.

May 2, 2024

IAH Terminal D Restroom Renovation at Multiple Gates at George Bush Intercontinental Airport (IAH)

Solicitation No. H93-IAHRRR-2024-026

Project No. 971

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

If further clarification is needed regarding this solicitation, please contact Senior Procurement Specialist, Amanda Joseph via email at amanda.joseph@houstontx.gov.

Sincerely,

DS

DocuSigned by:
Cathy Vander Plaats
02232028DE99414
Cathy Vander Plaats
Aviation Procurement Officer
Houston Airport System

cc: File, ITB Solicitation No. H93-IAHRRR-2024-026

Attachments:

1. Narrative of Changes
2. Document 00450 – Bidder’s Statement of MWBE/PDBE/DBE/SBE Status
3. Document 00010 – Table of Contents
4. Document 00410B-3 – Bid Form
5. Document 00410B-5 – Bid Form
6. Section 01110 – Summary of Work
7. Drawings

IAH TERMINAL D RESTROOMS RENOVATION – 05/02/24 – Narrative of Changes

Project Location: George Bush Airport

BSG # BSG-2024-92-IAH

TIP # TIP-24-86-IAH

This revision is a clarification of fixtures, finishes and MEP changes. All sheets now show the TIP/BSG numbers on the TTB. This clarification involves the following documents:

Drawing Sheets

01-GENERAL

G-000: added TIP/BSG numbers.

G-002: revised sheet index.

G-022: new Construction phasing for restrooms at CD Connector. Revised Construction Phasing notes.

03-ARCHITECTURAL DEMO

AD-101: revised Keynotes legend.

AD-102: revised Keynotes legend.

04-ARCHITECTURAL

A-101: revised Keynote & Plumbing fixtures legend.

A-102: revised Plumbing fixtures legend.

A-141: revised light fixtures layout and details.

A-142: revised light fixtures layout.

A-420: revised Typical Lavatory elevations & Plumbing fixtures legend.

A-421: revised seat cover dispenser location and Typical stalls elevations & Plumbing fixtures legend.

A-422: revised tags, dimensions & Plumbing fixtures legend.

A-423: revised dimensions & Plumbing fixtures legend.

A-426: revised tags, dimensions & Plumbing fixtures legend.

A-427: revised tags, dimensions & Plumbing fixtures legend.

A-510: revised detail title.

A-511: revised details dimensions and fixtures.

A-600: revised Material & Finish Key legend.

05-STRUCTURAL

S-001: revised the General Building Code section.

S-102: revised the islands' background.

S-103: added note to the dust wall detail.

S-410: revised the island's structure, notes and detail numbering.

07-ELECTRICAL

E-001: Revised general notes

EL-141: Revised lighting plans, circuited, added occupancy sensors, revised keyed notes, and added lighting control legend.

EL-142: Revised lighting plans, circuited, added occupancy sensors, revised keyed notes, and added lighting control legend.

E-300: Revised lighting fixture schedule.

08-PLUMBING

P-001: Added Notes.

P-102: Updated Plumbing fixture tag.

P-301: Updated Fixture schedule.

SPECS:

Added 01110 Summary of Work section.

Revised 00010 TOC.

Contact me with any questions you may have.

Thank you,

Gabriele Perotto
RdIR ARCHITECTS, INC.

Document 00450

BIDDER'S STATEMENT OF MBE/WBE/PDBE/DBE/SBE STATUS

This certifies that the status of the Bidder, _____, in
(Bidder's Name)

regard to the City of Houston Code of Ordinances, Chapter 15, Article V, relating to City-wide percentage goals for contracting with Minority and Women-owned Business Enterprises (MWBE) and Disadvantaged Business Enterprises (DBE), Chapter 15, Article VI, relating to City-wide percentage goals for contracting with Persons with Disabilities Business Enterprises (PDBE) and Chapter 15, Article IX, relating to City-wide percentage goals for contracting with a Small Business Enterprise (SBE) is as follows:

1. Bidder (individual, partnership, corporation) is is not a Minority Business Enterprise as certified by the Affirmative Action and Contract Compliance Division.
2. Bidder (individual, partnership, corporation) is is not a Women-owned Business Enterprise as certified by the Affirmative Action and Contract Compliance Division.
3. Bidder (individual, partnership, corporation) does does not declare itself to be a Persons with Disabilities Business Enterprise as defined above.
4. Bidder (individual, partnership, corporation) does does not declare itself to be a Disadvantaged Business Enterprise as defined above.
5. Bidder (individual, partnership, corporation) does does not declare itself to be a Small Business Enterprise as defined above.

Signature: _____

Title: _____

Date: _____

END OF DOCUMENT

Document 00010

TABLE OF CONTENTS

NOTE: Capitalized Specification Sections are included in <https://www.houstonpermittingcenter.org/media/6386/download>, and are incorporated in Project Manuals by reference as if copied verbatim. Documents listed "for filing" are to be provided by Bidder and are not included in this Project Manual unless indicated for example only. The Document numbers and titles hold places for actual documents to be submitted by Contractor during Bid, post-bid, or construction phase of the Project. Specification Sections marked with an asterisk (*) are amended by a supplemental specification, printed on blue paper and placed in front of the Specification it amends. Documents in the 00200, 00300 and 00400 series of Division 00, except for Document 00410B – Bid Form, Part B, are not part of the Contract.

Doc.
No. Document Title

INTRODUCTORY INFORMATION

00010 Table of Contents
00015 List of Drawings
00041 List of Pre-qualified Asbestos & Lead Abatement Contractors

BIDDING REQUIREMENTS

INSTRUCTIONS TO BIDDERS

00200 Instructions to Bidders
00210 Supplementary Instructions to Bidders
00220 Request for Bid Information

INFORMATION AVAILABLE TO BIDDERS

00340 Environmental Information

BID FORMS AND SUPPLEMENTS (NOTE: TO BE PROVIDED WITH BID)

00410 Bid Form, Parts A & B
00430 Bidder's Bond (For filing; Example Form)
00450 DBE status form
00454 Affidavit of Non-interest
00455 Ownership Information Form
00456 Bidder's Certificate of Compliance with Buy American Program
00457 Conflict of Interest Questionnaire
00458 Bidder's Certificate Regarding Foreign Trade Restriction
00459 Contractor's Statement Regarding Previous Contracts
Subject to EEO
00460 POP Program Acknowledgement Form

TABLE OF CONTENTS

**Doc.
No. Document Title**

- 00470D Bidder’s DBE Participation Plan for Project Funded by AIP Grant
- 00480 Form SCM-1 Reference Verification
- 00481 Anti-Collusion Statement

POST-BID PROCEDURES

- 00495 Post-bid Procedures

CONTRACTING REQUIREMENTS

AGREEMENT: (NOTE: TO BE PROVIDED AFTER RECEIPT OF NOTICE OF INTENT TO AWARD)

- 00501 Resolution of Corporation
- 00520 Agreement

BONDS AND CERTIFICATES: NOTE: TO BE PROVIDED AFTER RECEIPT OF NOTICE OF INTENT TO AWARD)

- 00600 List of Proposed Subcontractors and Suppliers, Parts A & B
- 00601 Drug Policy Compliance Agreement
- 00602 Contractor's Drug Free Workplace Policy (For filing by contractor)
- 00604 History of OSHA Actions and List of On-the-job Injuries
- 00605 List of Safety Impact Positions
- 00607 Certification Regarding Debarment, Suspension, and Other Responsibility Matters
- 00608 Contractor's Certification Regarding Non-segregated Facilities for Project Funded by AIP Grant
- 00609 List of Nonroad Diesel Equipment
- 00610 Performance Bond
- 00611 Statutory Payment Bond
- 00612 One-year Maintenance Bond
- 00620 Affidavit of Insurance
- 00621 ACORD Certificate of Insurance Form
- 00628 Affidavit of compliance with DBE Program
- 00629 Affidavit for FAA Form 7460-1
- 00630 Agreement to Comply with POP Program
- 00631 Pay or Play (POP) Program – List of Subcontractors
- 00632 EEO Certification by Material Suppliers, Professional Service Providers
- 00636 Certificate of Interested Parties FORM 1295

GENERAL CONDITIONS

- 00700 General Conditions
- 00701 FAA General Provisions

**Doc.
No. Document Title**

SUPPLEMENTARY CONDITIONS

- 00800 Supplementary Conditions
- 00801 FAA Supplementary Conditions
- 00805 EEO Program Requirements
- 00804 ARRA Grant Fund Requirements
- 00806 Disadvantaged Business Enterprise (DBE) Program
- 00807 Bidder/Contractor Requirements For Disadvantaged Business Enterprise (DBE) Program
- 00808 Bidder Requirements for City's MWSBE Program, and Persons with Disabilities Business Enterprise (PDBE)
- 00811 Federal Wage Rate - Building
- 00820 Wage Scale and Payroll Requirements for Engineering Construction
- 00821 Wage Scale and Payroll Requirements for Building Construction
- 00840 Pay or Play (POP) Program

TABLE OF CONTENTS

**Doc.
No. Document Title**

SPECIFICATIONS

DIVISION 1 - GENERAL REQUIREMENTS

- 01110 Summary of Work
- 01145 Use of Premises
- 01210 Cash Allowances
- 01255 Modification Procedures
- 01270 Measurement and Payment
- 01290 Payment Procedures
- 01312 Coordination and Meetings
- 01321 Construction Photographs
- 01325 Construction Schedules
- 01326 Construction Sequencing
- 01330 Submittal Procedures
- 01340 Shop Drawings. Product Data and Samples
- 01410 TPDES Requirements (with Attachments)
- 01423 Reference
- 01450 Contractor's Quality Control
- 01455 City's Acceptance Testing
- 01505 Temporary Facilities
- 01506 Temporary Controls
- 01507 Temporary Signs
- 01550 Public Safety and Contractor's Safety Staffing
- 01576 Waste Material Disposal
- 01610 Basic Product Requirements
- 01630 Product Options and Substitutions
- ~~01640 City-Furnished Products~~
- 01725 Field Surveying
- 01726 Base Facility Survey
- 01731 Cutting and Patching
- 01761 Protection of Existing Services
- 01770 Contract Closeout
- 01782 Operations and Maintenance
- 01785 Project Record Documents

Doc. No.	<u>Document Title</u>
DIVISION 2 - SITE WORK	
024119	Selective Demolition
DIVISION 3 - CONCRETE	
030130	Maintenance of Cast-in-Place Concrete
DIVISION 4 - MORTAR	
DIVISION 5 - METALS	
055000	Metal Fabrications
DIVISION 6 - WOOD AND PLASTICS	
061053	Miscellaneous Rough Carpentry
DIVISION 7 - THERMAL AND MOISTURE PROTECTION	
074233	Phenolic Wall Panels
079200	Joint Sealants
DIVISION 8 - DOORS AND WINDOWS	
083113	Access Doors and Frames
DIVISION 9 – FINISHES	
092216	Non-Structural Metal Framing
092900	Gypsum Board
093013	Ceramic Tiling
095133	Acoustical Metal Pan Ceilings
099123	Interior Painting
DIVISION 10 - SPECIALITIES	
101423	Panel Signage
102113	Glass Toilet Compartments
102800	Toilet Accessories
DIVISION 11 - EQUIPMENT	
DIVISION 12 – FURNISHINGS	
123661	Solid Surfacing Countertops
DIVISION 13 - SPECIAL CONSTRUCTION	
DIVISION 14 - CONVEYING SYSTEMS	

TABLE OF CONTENTS

Doc. No.	<u>Document Title</u>
DIVISION 21 – FIRE SUPPRESSION	
211300	RIB-Fire Suppression Sprinklers
DIVISION 22 – PLUMBING	
220523	User-General-Duty Valves for Plumbing Piping
220529	User-Hangers and Supports for Plumbing Piping and Equipment
220553	RIB-Identification for Plumbing Piping and Equipment
220719	RIB-Plumbing Piping Insulation
221116	User-Domestic Water Piping
221119	User- Domestic Water Piping Specialties
221316	User-Sanitary Waste and Vent Piping
221319	User-Sanitary Waste Piping Specialties
223000	RIB-Plumbing Equipment
224010	User-Plumbing Fixtures
224700	User-Drinking Fountains and Water Coolers
DIVISION 23 – HEATING, VENTILATING, AIR CONDITIONING	
230200	User-Basic Materials and Methods
230513	RIB-Common Motor Requirements for HVAC Equipment
230529	User-Hangers and Support for Piping and Equipment
230548	User-Vibration and Seismic Controls for HVAC Piping and Equipment
230553	User-Identification for HVAC Piping and Equipment
230593	User-Testing, Adjusting, and Balancing
230713	RIB-Duct Insulation
233100	RIB-HVAC Ducts and Casings
233300	RIB-Air Duct Accessories
233423	RIB-HVAC Power Ventilators
233700	RIB-Air Outlets and Inlets
DIVISION 26 – ELECTRICAL	
260500	User-Common Work Results for Electrical
260519	RIB-Low-Voltage Electrical Power Conductors and Cables
260526	RIB-Grounding and Bonding for Electrical Systems
260529	RIB-Hangers and Supports for Electrical Systems
260533.13	RIB-Conduit for Electrical Systems
260533.16	RIB-Boxes for Electrical Systems
260553	RIB-Identification for Electrical Systems
262200	RIB-Low-Voltage Transformers
262416	RIB-Panelboards
262726	RIB-Wiring Devices
262816.13	RIB-Enclosed Circuit Breakers
262816.16	RIB-Enclosed Switches

**Doc.
No. Document Title**

265100 RIB-Interior Lighting

DIVISION 27 – FURNISHINGS

270526 Telecommunications Grounding & Bonding

270528 Interior Communication Pathways

270533 Identification and Labeling of Communications Infrastructure

271045 Restroom Monitoring System

271500 Horizontal Media Infrastructure

272100 Data Communication Network Equipment

END OF DOCUMENT

Document 00410B

BID FORM – PART B

1.0 TOTAL BID PRICE HAS BEEN CALCULATED BY BIDDER, USING THE FOLLOWING COMPONENT PRICES AND PROCESS (PRINT OR TYPE NUMERICAL AMOUNTS):

A. STIPULATED PRICE (IAH): \$ _____

(Total Bid Price; minus Base Unit Prices, Extra Unit Prices, Cash Allowances and All Alternates, if any)

REST OF PAGE INTENTIONALLY LEFT BLANK

TOTAL BID PRICE (IAH):

\$ _____

(Add Totals for Stipulated Price (A), Base Unit Price, Extra Unit Price, Cash Allowance, and All Alternates, if any)

2.0 SIGNATURES: By signing this Document, I agree that I have received and reviewed all Addenda and considered all costs associated with the Addenda in calculating the Total Bid Price.

Bidder:

(Print or type full name of your proprietorship, partnership, corporation, or joint venture.*)

** By:

Signature

Date

Name:

(Print or type name)

Title

Address:

(Mailing)

(Street, if different)

Telephone and Fax Number:

(Print or type numbers)

- * If Bid is a joint venture, add additional Bid Form signature sheets for each member of the joint venture.
- ** Bidder certifies that the only person or parties interested in this offer as principals are those named above. Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding.

Note: This document constitutes a government record, as defined by § 37.01 of the Texas Penal Code. Submission of a false government record is punishable as provided in § 37.10 of the Texas Penal Code.

**SECTION 01110
SUMMARY OF WORK**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Project description.
- B. Work description.
- C. City occupancy.
- D. Contractor-salvaged products.
- E. Separate contracts and work by City.
- F. Extra copies of Contract Documents.
- G. Permits, fees and notices.

1.02 THE PROJECT

The Project is at the George Bush Intercontinental Airport/ Houston in Houston, Texas.

1.03 GENERAL DESCRIPTION OF THE WORK

- A. Construct the Work under a single general construction contract as follows:
- B. Construct the Work at the arrivals level in phases as described in the construction documents.
- C. The Work is summarized as renovations to the existing RR in terminal D at Gates D7, D8, D9, D14 Nursery and D16 Misc. Including any areas indicated in the contract documents.
 - 1. Cut and patch existing construction designated or required to remain and to receive new construction, following Section 01731- Cutting and Patching, and Section 01761 – Protection of Existing Services.
- D. Contract limit lines are shown diagrammatically on Drawings.

1.04 CITY OCCUPANCY

The City will occupy the premises as required to maintain full functionality within Terminal during the entire period of construction for the conduct of normal operations.

SUMMARY OF WORK

TERMINAL D – Restroom Renovations

Project No. *PN971*

SUMMARY OF WORK

- A. Cooperate with the City to reduce conflict, and to facilitate the City's operations. Coordinate Contractor's activities with City Operations or Maintenance personnel through City Engineer.
- B. Schedule Work to fit these requirements.

1.05 EXTRA COPIES OF CONTRACT DOCUMENTS

Use reproducible documents, furnished by City following Document 00700 Paragraph 2.2.2, to make extra copies of Contract Documents (diaz prints of Drawings and electrostatic copies of Project Manual) as required by Contractor for construction operations, and for Contractor's records following Sections 01726 - Base Facility Survey and 01770 - Contract Closeout. Follow Document 00700 Paragraph 1.3.

1.06 PERMITS, FEES AND NOTICES

Refer to Document 00700 Paragraph 3.14. Reimburse City for City's payment of fines levied against City or its employees because of Contractor's failure to obtain proper permits, pay proper fees, and make proper notifications. Reimbursement will be by Change Order, reducing the Contract Price as based upon the dollar amount of fines imposed.

PART 2 EXECUTION (NOT USED)

END OF SECTION

SUMMARY OF WORK

01110-2 ver. 09.03.19



3701 North Terminal Road Houston, Texas 77032	
TERMINAL D - RESTROOM RENOVATIONS	
C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
T.I.P. No. 24-86-IAH	

MAYOR
JOHN WHITMIRE

- CITY COUNCIL MEMBERS**
- AMY PECK - DISTRICT A
 - TARSHA JACKSON - DISTRICT B
 - ABBIE KAMIN - DISTRICT C
 - CAROLYN EVANS-SHABAZZ - DISTRICT D
 - FRED FLICKINGER - DISTRICT E
 - TIFFANY D. THOMAS - DISTRICT F
 - MARY NAN HUFFMAN - DISTRICT G
 - MARIO CASTILLO - DISTRICT H



CONTROLLER
CHRIS HOLLINS

- CITY COUNCIL MEMBERS**
- JOAQUIN MARTINEZ - DISTRICT I
 - EDWARD POLLARD - DISTRICT J
 - MARTHA CASTEX-TATUM - DISTRICT K
 - JULIAN RAMIREZ - AT LARGE POSITION 1
 - WILLIE DAVIS - AT LARGE POSITION 2
 - TWILA CARTER - AT LARGE POSITION 3
 - LETITIA PLUMMER - AT LARGE POSITION 4
 - SALLIE ALCORN - AT LARGE POSITION 5

TERMINAL D - PN971 - RESTROOM RENOVATIONS

AT

GEORGE BUSH INTERCONTINENTAL AIRPORT

TIP-24-86-IAH
BSG-2024-92-IAH

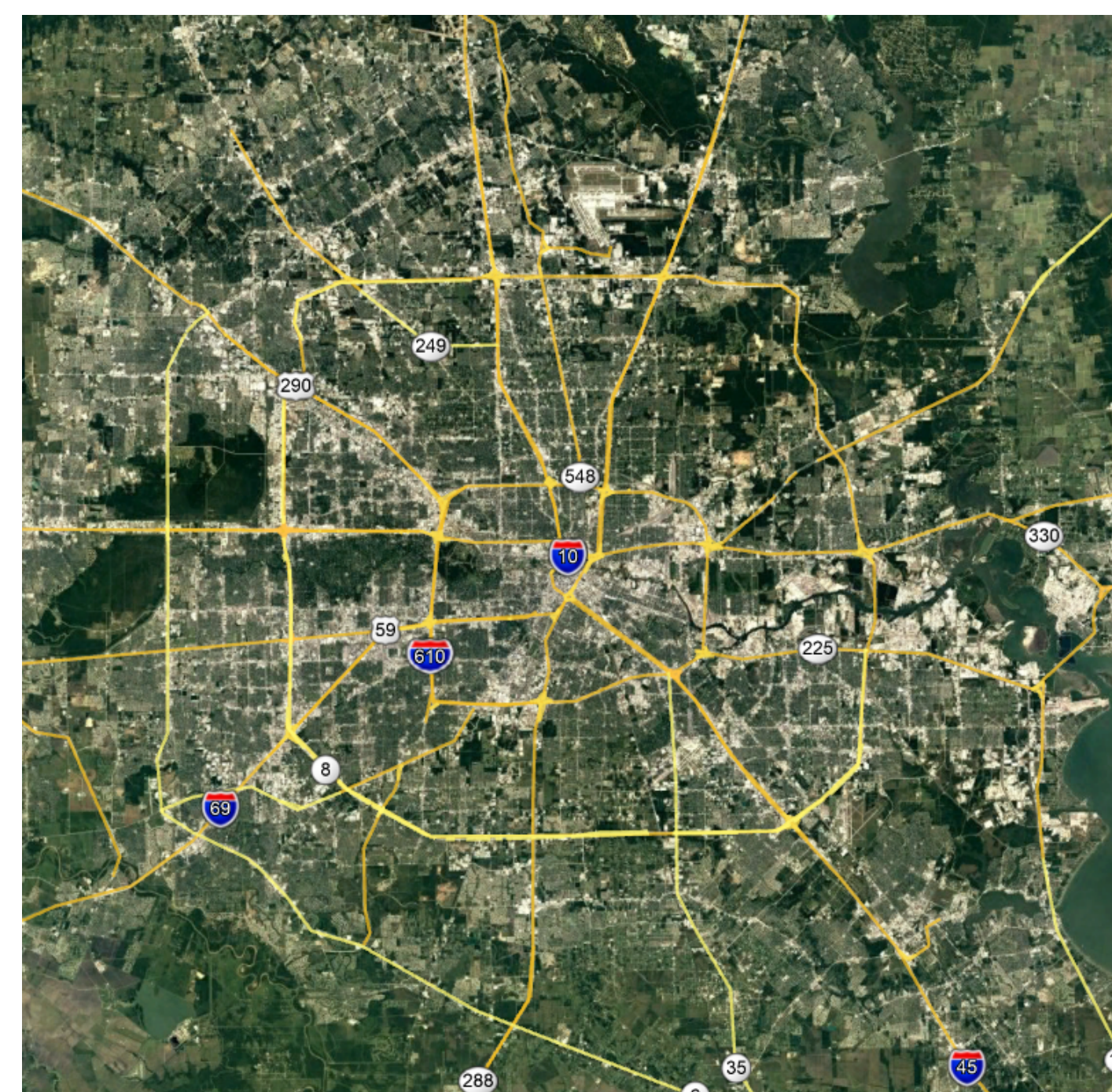
PREPARED BY

RDLR

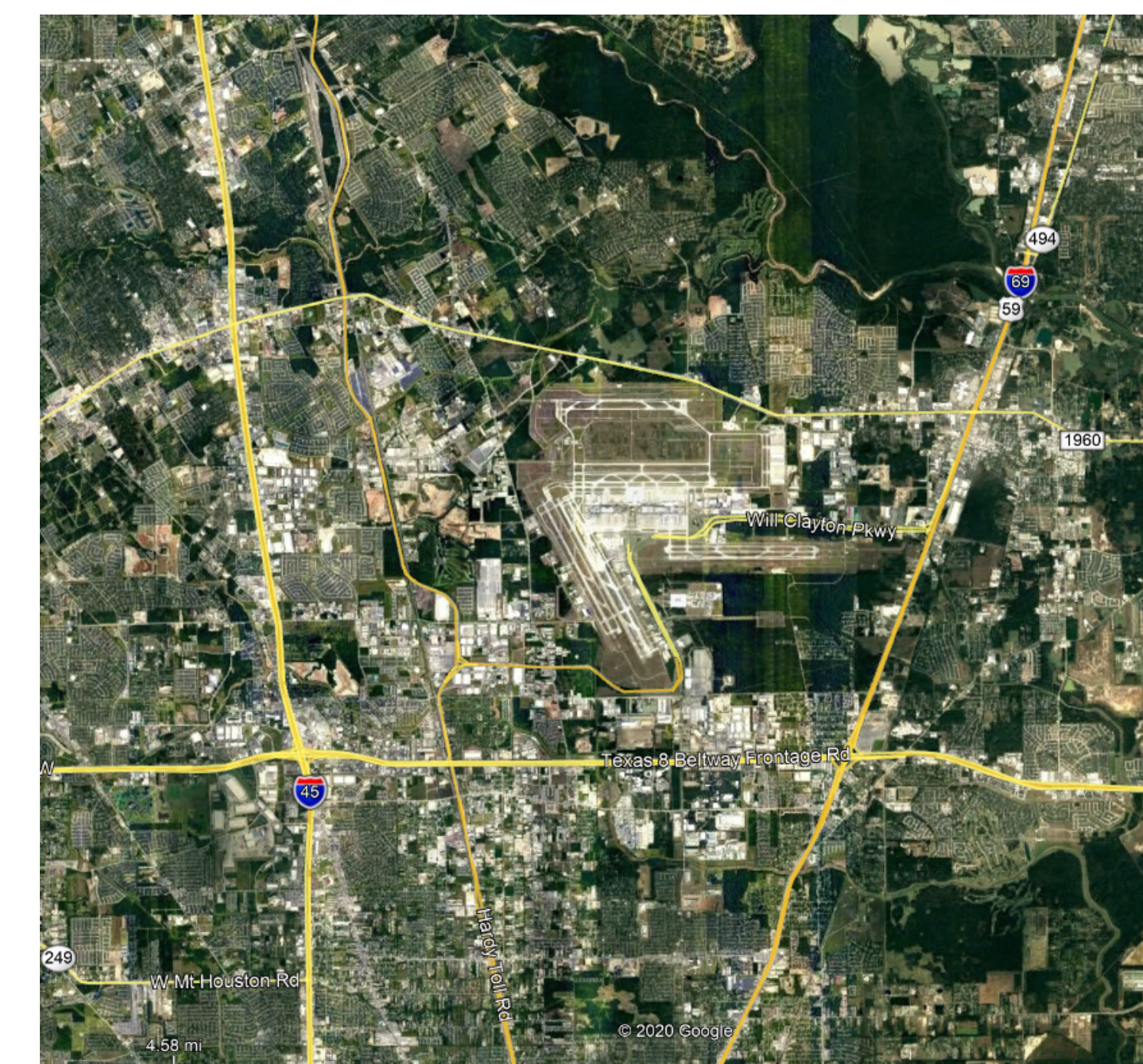
03.21.24

HOUSTON AIRPORT SYSTEM

JAMES SZCZESNIAK - DIRECTOR



AREA MAP - N.T.S.



VICINITY MAP - N.T.S.

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com



DESIGNER PROJECT No.: 1429.12
PROJECT STATUS: IFB

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP/SF/KF
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category

IFB
ISSUED FOR BIDDING

SHEET NAME: COVER SHEET
SHEET No. G-000 SCALE:

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: FILE PATH: BIM 360://1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt HAS FILE:

ARCHITECTURAL ABBREVIATIONS

&	AND	FP	FIREPROOF	RF	ROOF DRAIN
@	ANGLE	FPL	FIREPLACE	REF	REFERENCE
A	AIR CONDITIONER / CONDITIONING	FR	FIBER REINFORCED CONCRETE	REFR	REFRIGERATOR
ABV	ABOVE	FRGP	FIBER REINFORCED GYPSUM PLASTER	REIN	REINFORCE(D)
ACCS	ACCESSORIES	FRT	FIRE RETARDANT TREATED	REQ	REQUIRED
ACSDR	ACCESS DOOR	FRT	FIRE RETARDANT TREATED	RESIL	RESILIENT
ACSFRL	ACCESS FLOOR	FS	FLOOR SINK	RESS	RESILIENT SHEET
ACST / ACOUS	ACOUSTICAL	FTG	FLOORING	REST	RESILIENT TILE
ACT	ACOUSTICAL CEILING TILE	FUR	FURRING	RET	RETAINING
AD	AREA DRAIN	FUT	FUTURE	REV	REVISE / REVISION
ADA	AMERICANS WITH DISABILITIES ACT	GALV	GALVANIZED	RF	ROOFING
ADDL	ADDITIONAL	GB	GRAB BAR	RFL	REFLECTED
ADDM	ADDENDUM	GC	GENERAL CONTRACTOR	RH	RIGHT HAND
ADJ	ADJUSTABLE / ADJACENT	GL	GLASS / GLAZING	RM	ROOM
ADMIN	ADMINISTRATION	GND	GROUND	RO	ROUGH OPENING
AFC	ABOVE FINISHED COUNTER	GR	GRAVEL	RS	RUBBER SHEET
AF	ABOVE FINISHED FLOOR	GRV	GRAVEL	RST	RUBBER STAIR TREADS & RISERS
AFG	ABOVE FINISHED GRADE	GT	GLASS TILE	RSTR	RISER
AFS	ABOVE FINISHED SLAB	GYP	GYPSUM	RT	RUBBER TILE
AGGR	AGGREGATE	GYP BD	GYPSUM BOARD	RWD	REDWOOD
AHR	ANCHOR	HB	HOSE BIB	RWL	RAIN WATER LEADER
AIRU	AIR HANDLING UNIT	HC	HOLLOW CORE	S	SOUTH
AL / ALUM	ALUMINUM	HCP	HANDICAPPED	SC	SOLID CORE
ALMT	ALIGNMENT	HD	HEAVY DUTY	SCD	SEAT COVER DISPENSER
ALT	ALTERNATE	HD	HARD	SCHED	SCHEDULE
ANOD	ANODIZED	HDR	HEADER	SCN	SCREEN
AP	ACCESS PANEL	HDWR	HARDWARE	SCR	SCREEN
APC	ACOUSTICAL PANEL CEILING	HI	HIGH	SD	SOAP DISPENSER / STORM DRAIN
APPROX	APPROXIMATELY	HM	HOLLOW METAL	SDC	SEALED CONCRETE SECTION
APPYD	APPROVED	HMI	HOLLOW METAL INSULATED	SECT	SECTION
ARCH	ARCHITECTURAL	HOR / HORIZ	HORIZONTAL	SF	SQUARE FEET
ASPH	ASPHALT	HP	HIGH POINT	SHT	SHEET
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HR	HANDRAIL	SHWR	SHOWER
AUTO	AUTOMATIC	HR	HOUR	SIM	SIMILAR
AVG	AVERAGE	HT	HEIGHT	SND	SANITARY NAPKIN DISPENSER
BD	BOARD	HVAC	HEATING / VENTILATION / AIR CONDITIONING	SNR	SANITARY NAPKIN RECEPTACLE
BG	BUMPER GUARD	HW	HARDWARE	SOG	SLAB ON GRADE
BITUM	BITUMINOUS	HYD	HYDRANT	SPEC	SPECIFY / SPECIFICATION
BLK	BLACK	ID	INSIDE DIAMETER	SPK	SPEAKER
BLDG	BUILDING	IN	INCH (INCHES)	SO	SQUARE
BLK	BLOCK	INCL	INCLUDE(D) / INCLUDING	SOFT	SQUARE FEET
BLKG	BLOCKING	INSUL	INSULATE / INSULATION	SQIN	SQUARE INCHES
BM	BEAM	INT	INTERIOR	SS	STAINLESS STEEL
BMS	BALANCE MAGNETIC SWITCH	JAN	JANITOR	ST	STONE
BOS	BOTTOM OF STEEL	JANITR	JANITOR	STN	STAINED CONCRETE
BOT	BOTTOM	LAB	LABORATORY	STD	STANDARD
BS	BOTH SIDES	LAM	LAMINATE(D)	STDS	STUDS
CAB	CABINET	LAV	LAVATORY	STIFF	STIFFENER
CAS	CASEWORK	LB(S)	POUNDS	STL	STEEL
CB	CATCH BASIN	LF	LINEAR FOOT (FEET)	STN	STAINED
CEM	CEMENT	LH	LEFT HAND	STOR	STORAGE
CER	CERAMIC	LIB	LIBRARY	STRUCT	STRUCTURE / STRUCTURAL
CF	CUBIC FOOT	LKR	LOCKER	SUSP	SUSPENDED
CG	CORNER GUARD	LNS	LINOLEUM SHEET	SW	SWITCH
CH	CEILING HEIGHT	LNT	LINOLEUM TILE	SYM	SYMMETRICAL
CHAM	CHAMFER	LP	LOW POINT	SYN	SYNTHETIC
CHBD	CHALKBOARD	LT	LIGHT	SYST	SYSTEM
CJ	CAST IRON	LWT	LIGHT WEIGHT	TAB	TOP AND BOTTOM
CJ	CONTRACTOR INSTALLED	MACH	MACHINE	T&G	TONGUE AND GROOVE
CI	CAST IN PLACE	MAINT	MAINTENANCE	TB	TOWEL BAR
CJ	CONTROL JOINT	MATL	MATERIAL	TBD	TO BE DETERMINED
CL	CENTER LINE	MATL	MATERIAL	TOP OF CURB	TOP OF CURB
CLG	CEILING	MC	MEDICINE CABINET	TEL	TELEPHONE
CLO	CLOSET	ME	MECHANICAL EQUIPMENT	TEMP	TEMPORARY / TEMPORARY
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL	TER	TEMPERATURE
CO	CLEAN/CLEAR OUT	MEZZ	MEZZANINE	THK	THICK
COL	COLUMN	MFR	MANUFACTURE(R)	THRU	THROUGH
CONC	CONCRETE	MH	MANHOLE	THRU	THROUGH
CONST	CONSTRUCTION	MIR	MIRROR	TOC	TOP OF CONCRETE
CONT	CONTINUOUS	MISC	MISCELLANEOUS	TOS	TOP OF SLAB
CORR	CORRIDOR	MLD / MLDG	MOLDING	TOW	TOP OF WALL
CPR	COPPER	MO	MASONRY OPENING	TPD	TOILET PAPER DISPENSER
CPT	CARPET(ED)ING	MR	MOISTURE RESISTANT	TPTN	TOILET PARTITION TELEVISION
CT	CERAMIC TILE	MTD	MOUNTED	TV	TELEVISION
CTR	COUNTER	MTL	METAL	TYP	TYPICAL
DBL	DOUBLE	MUL	MULLION	UC	UNDERCUT
DEFS	DIRECT APPLIED EXTERIOR FINISH SYSTEM	N	NORTH	UG	UNDERGROUND
DEG	DEGREE	NA OR N/A	NOT AVAILABLE / NOT APPLICABLE	UL	UNDERWRITER'S LABORATORY UNFINISHED
DEMO	DEMOLISH	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	UNFIN	UNFINISHED
DEP	DEPRESSION	NIC	NOT IN CONTRACT	UNO	UNLESS OTHERWISE NOTED
DET	DETAIL	NO / #	NUMBER	UPS	UNINTERRUPTIBLE POWER SUPPLY
DF	DRINKING FOUNTAIN	NOM	NOMINAL	UR	URINAL
DIA	DIAMETER	NTS	NOT TO SCALE	V	VOLT
DIG	DIAGONAL	OA	OVERALL	VAC	VACUUM
DIM	DIMENSION	OB	OBSOLETE	VB	VAPOR BARRIER
DISP	DISPENSER	OC	ON CENTER	VCT	VINYL COMPOSITION TILE
DIV	DIVISION	OD	OUTSIDE DIAMETER	VENT	VENTILATE
DN	DOWN	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	VERT	VERTICAL
DR	DOOR	OFF	OFFICE	VEST	VESTIBULE
DS	DOWNSPOUT	OPG / OPNG	OPENING	VIF	VERIFY IN FIELD
DWG	DRAWING	OPN	OPENING	VNR	VENER
E	EAST	OPP	OPPOSITE	VOL	VOLUME
EA	EACH	OZ	OUNCE	VST	VINYL STAIR TREADS & RISERS
EF	EACH FREE	PART	PARTIAL	VSTR	VINYL STAIR TREADS & RISERS
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	PAT	PATTERN	VT	VINYL TILE
EJ	EXPANSION JOINT	PBD	PARTICLE BOARD	VTR	VENT THRU ROOF
EL	ELEVATION	PC / PCC	PRECAST CONCRETE	VWC	VINYL WALLCOVERING
ELEC	ELECTRICAL	PE	PEDESTAL	W	WEST
ELEV	ELEVATOR	PER	PERIMETER	WI	WITH
EMER	EMERGENCY	PERF	PERFORATED	WO	WITHOUT
ENCL	ENCLOSED / ENCLOSURE	PERP	PERPENDICULAR	WC	WATER CLOSET
ENG	ENGINEER	PF	PRE-FINISHED	WCV	WALLCOVERING
EOD	EDGE OF DECK	PIP	POURED-IN-PLACE	WD	WOOD
EOS	EDGE OF SLAB	PL	PROPERTY LINE	WF	WIDE FLANGE
EQ	EQUAL(LY)	PL	PLATE	WG	WIRE GLASS
EQT	EQUIPMENT	PLM	PLASTIC LAMINATE	WH	WALL HOSE / HYDRANT
EST	ESTIMATE	PLAS	PLASTER	WI	WROUGHT IRON
EWC	ELECTRIC WATER COOLER	PLYWD	PLYWOOD	WIN	WINDOW
EXIST	EXISTING	PMF	PRESSED METAL FRAMES	WK	WORK
EXP	EXPANSION	POP	POINT OF PRESENCE	WNSCT	WAINSCOT
EXT	EXTERIOR	PR	PAIR	WP	WATERPROOF(ING)
FA	FIRE ALARM	PRCST	PRE-CAST	WPT	WORK POINT
FAST	FASTENER	PREFAB	PREFABRICATED	WR	WATER RESISTANT
FCD	FLOOR CLEAN OUT	PROP	PROPERTY	WRR	WOOD RISER
FD	FLOOR DRAIN	PRT	PORCELAIN TILE	WT	WEIGHT
FDN	FOUNDATION	PSF	POUNDS PER SQUARE FOOT	YD	YARD
FE	FIRE EXTINGUISHER	PSI	POUNDS PER SQUARE INCH		
FEC	FIRE EXTINGUISHER CABINET	PT	POINT		
FEC (R)	FIRE EXTINGUISHER CABINET, RECESSED	PTD	PAPER TOWEL DISPENSER		
FEC (SR)	FIRE EXTINGUISHER CABINET, SEMI-RECESSED	PTDWR	PAPER TOWEL DISPENSER, WASTE RECEPTACLE		
FEW	FIRE EXTINGUISHER, WALL MOUNTED	PTDF	PRESSURE TREATED DOUGLAS FIR		
FF	FINISHED FLOOR	PTN	PARTITION		
FL	FIBERGLASS	PTR	PAPER TOWEL RECEPTACLE		
FN	FINISHED	PVC	POLYVINYL CHLORIDE		
FIX	FIXTURE	Q	QUARTZ		
FLASH	FLASHING	QT	QUARRY TILE		
FLUOR	FLUORESCENT	QTY	QUANTITY		
FOC	FACE OF CONCRETE	R	RISER		
FOF	FACE OF FINISH	RAD	RADIUS		
FOM	FACE OF MASONRY	RB	RUBBER BASE		
FOS	FACE OF STUDS	RCP	REFLECTED CEILING PLAN		
FOV	FACE OF WALL				

MATERIAL INDICATIONS

SECTION	ELEVATION
CONCRETE	
PRECAST CONCRETE	
CMU	
BRICK	
CASTCUT STONE	
NATURAL STONE	
STEEL	
ALUMINUM	
BRASS/BRONZE	
FINISHED WOOD	
EXTERIOR PLASTER AND LATHE	
CERAMIC/QUARRY TILE	
GLASS/MIRROR	
EARTH	
GRAVEL	
SAND	
CONT. WOOD BLOCKING	
DISCONT. WOOD BLOCKING	
PLYWOOD	
BATT/BLANKET INSULATION	
RIGID INSULATION	
GYPSUM BOARD	
BACKER ROD & SEALANT	
JOINT FILLER	
ACOUSTICAL CEILING	

ARCHITECTURAL SYMBOLS

	ROOM IDENTIFICATION
	ROOM NAME
	ROOM NUMBER
	DOOR NUMBERING
	SIDELIGHT (PART OF DOOR ASSEMBLY)
	DOOR NUMBER TO COINCIDE WITH ADJOINING ROOM NUMBER
	REVISION REFERENCE
	REVISION REFERENCE MARK
	REVISION CLOUD
	DETAIL/SECTION DESIGNATOR
	DETAIL OR SECTION NUMBER
	DRAWING NO. WHERE DETAIL OR SECTION IS DRAWN (OMIT WHEN ON THE SAME DRAWING)
	AREA OF ENLARGEMENT
	BUILDING SECTION
	WALL SECTION
	SECTION IDENTIFICATION
	DRAWING NO. WHERE DRAWN
	DETAIL SECTION
	DRAWING NUMBER WHERE DRAWN
	ELEVATION NUMBER
	EXTERIOR BUILDING ELEVATION
	DRAWING NUMBER WHERE DRAWN
	ELEVATION NUMBER
	INTERIOR ROOM ELEVATIONS
	DRAWING NUMBER WHERE DRAWN
	ELEVATION NUMBER
	PARTITION TYPE REFERENCE
	REFER TO SHEETS
	WINDOW TYPE REFERENCE
	REFER TO SHEETS
	COLUMN LINES
	KEYNOTE
	FURNISHINGS

SHEET INDEX

Sheet Number	Sheet Name	IFP	IFP - Cycle 1 Addendum 1
01-GENERAL	COVER SHEET		
G-000	SYMBOLS LEGENDS, ABBREVIATIONS, SHEET INDEX		
G-003	GENERAL NOTES		
G-004	TEXAS ACCESSIBILITY GUIDELINES - 1 OF 2		
G-005	TEXAS ACCESSIBILITY GUIDELINES - 2 OF 2		
G-010	INTERIOR PARTITION SCHEDULE		
G-011	INTERIOR PARTITION DETAILS - TYPICAL		
G-012	UL DESIGN		
G-021	PLUMBING COUNT PLAN AND CODE SUMMARY		
G-022	CONSTRUCTION PHASING PLAN		
03-ARCHITECTURAL DEMOLITION			
AD-100	OVERALL PLAN & TERMINAL LEVELS		
AD-101	ENLARGED DEMO PLANS - CD CONNECTOR		
AD-102	ENLARGED DEMO PLANS - TERMINAL D		
AD-141	ENLARGED DEMO RCP PLANS - CD CONNECTOR		
AD-142	ENLARGED DEMO RCP PLANS - TERMINAL D		
04-ARCHITECTURAL			
A-101	ENLARGED RR FLOOR PLANS - CD CONNECTOR		
A-102	ENLARGED RR FLOOR PLANS - TERMINAL D		
A-141	ENLARGED RR RCP PLAN - CD CONNECTOR		
A-142	ENLARGED RR RCP PLANS - TERMINAL D		
A-420	TYPICAL ELEVATIONS AND PLANS		
A-422	WOMEN/FAMILY RESTROOM ELEVATIONS - GATE D16-D17		
A-423	MAN/NURSERY RESTROOM ELEVATIONS - GATE D16-D17		
A-426	WOMEN'S RESTROOM - GATE D08-D09		
A-427	WOMEN'S RESTROOM ELEVATION - GATE D07		
A-501	PLAN DETAILS		
A-510	SECTION DETAILS		
A-511	SECTION DETAILS		
A-600	ROOM FINISH MATERIALS LEGEND		
A-601	ENLARGED FINISH PLANS - CD CONNECTOR		
A-602	ENLARGED FINISH PLANS - TERMINAL D		
A-603	ROOM SIGNAGE		
05-STRUCTURAL			
S-001	GENERAL NOTES		
S-100	OVERALL PLAN & TERMINAL LEVELS		
S-102	ENLARGED RR FLOOR PLANS - TERMINAL D		
S-103	ENLARGED FLOOR FRAMING RESTROOMS PLAN		
S-104	EXISTING ENLARGED RESTROOMS ROOF PLANS AND DETAILS		
S-400	FRAMING TYPICAL DETAILS		
S-410	FRAMING DETAILS		
06-MECHANICAL			
M-001	MECHANICAL ABBREVIATIONS, LEGENDS AND NOTES		
M-040	MECHANICAL OVERALL PLAN & TERMINAL LEVELS		
M-101	MECHANICAL ENLARGED RR PLANS - CD CONNECTOR		
M-102	MECHANICAL ENLARGED RR PLANS - TERMINAL D		
MD-101	MECHANICAL ENLARGED DEMO PLANS - CD CONNECTOR		
MD-102	MECHANICAL ENLARGED DEMO PLANS - TERMINAL D		

ELECTRICAL NOTES

- 1. ALL ELECTRICAL POWER OUTLETS SHALL BE COMMERCIAL GRADE IN ALL AREAS. ALL OUTLET IN RESTROOMS SHALL BE GFI. FACE PLATES SHALL BE STAINLESS STEEL WITH STAINLESS STEEL FLAT HEAD SCREW FASTENERS TO MATCH ALL DEVICE AND FACED PLATE COLORS ARE TO BE VERIFIED WITH THE ARCHITECT.

LIGHTING GENERAL NOTES

- 1. SCHEDULED LIGHT FIXTURE ARE PROPRIETARY PRODUCTS AND SHALL BE INTERPRETED AS THE BASIS-OF-DESIGN. THE SCHEDULED FIXTURES SHALL TAKE PRECEDENCE OVER OTHER PRODUCTS INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS. ALTERNATIVE FIXTURES MAY BE USED IF EQUAL TO THE BASIS OF DESIGN. ALTERNATIVE FIXTURES SHALL MATCH THE PERFORMANCE, QUALITY, FINISH, AND LAMPING OF THE BASIS-OF-DESIGN FIXTURE. CONTRACTOR SHALL CONSULT WITH ARCHITECT FOR APPROVAL BEFORE PROCEEDING WITH AN ALTERNATIVE PRODUCT TO THAT WHICH IS SPECIFICALLY IDENTIFIED IN THE DRAWINGS.

ACCESSIBILITY NOTES

- 1. AN EXIT IS A CONTINUOUS AND UNOBSTRUCTED MEAN OF EGRESS TO A PUBLIC WAY AND SHALL INCLUDE INTERVENING ROOMS, DOORS, AISLES, AND YARDS. A PUBLIC WAY IS ANY STREET, ALLEY OR SIMILAR PARCEL OF LAND UNOBSTRUCTED FROM GROUND TO SKY WHICH IS DEDICATED FOR PUBLIC USE AND HAVING A CLEAR WIDTH OF NOT LESS THAN 10 FEET.

REFLECTED CEILING PLAN NOTES

- 1. THE GENERAL NOTES HEREIN ADDRESS ARCHITECTURAL DESIGN INTENT FOR ALL BUILDING SYSTEM COMPONENTS INSTALLED ABOVE THE FLOOR AND WITHIN THE CEILING AREAS, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL. CONTRACTOR SHALL REFER TO THESE GENERAL NOTE REQUIREMENTS FOR CLARIFICATION ON ARCHITECTURAL DESIGN INTENT FOR ALL EXPOSED BUILDING COMPONENTS AND SYSTEMS. FURTHERMORE, CONTRACTOR SHALL ISSUE A RFI REQUEST FOR CLARIFICATION ON ANY RELATED ITEMS EXPOSED TO VIEW, FOR WHICH INFORMATION IS GIVEN HERE, AND CONTRADICTED ELSEWHERE WITHIN THE DOCUMENTS.

HAS STANDARD

- 1. THIS PROJECT IS TO FOLLOW HOUSTON AIRPORT SYSTEM (HAS) STANDARDS FOR ALL DESIGNINES. HAS STANDARDS CAN BE FOUND AT THEIR WEBSITE, HTTP://WWW.HOUSTONAIRPORTS.BID/ZIP.

SIGNAGE

- 1. ALL FINAL DESIGN, ENGINEERING & AMOUNT/SIZING OF STRUCTURAL SIGN SUPPORT ELEMENTS, MATERIAL TYPES/THICKNESSES, DIMENSIONS AND ATTACHMENT METHODS SHALL BE PERFORMED AND APPROVED BY A LICENSED ENGINEER TO MEET OR EXCEED ALL APPLICABLE LOCAL AND NATIONAL CODES.

ARCHITECTURAL SYSTEMS AND FINISHES

- 1. COLORS INDICATED ON THE MATERIALS AND FINISH KEY ARE CUSTOM COLORS TO MATCH THE COLOR INDICATED. COLORS FROM MANUFACTURER'S STANDARD CHARTS WILL NOT BE ACCEPTED UNLESS THOSE COLORS MATCH THE PERFORMANCE OF ALL LABOR. WORK REQUIRED ACCEPTABLE ALTERNATE PAINT MANUFACTURER THAT CAN MATCH THE SPECIFIED COLOR.

ARCHITECTURALLY EXPOSED STEEL

- 1. ALL EXTERIOR EXPOSED STRUCTURAL STEEL AND MISCELLANEOUS STEEL COMPONENTS INCLUDING ANGLES, PLATES, ANCHORS, AND FASTENERS SHALL BE PAINTED WITH A HIGH-PERFORMANCE COATING, COLOR AS INDICATED IN THE DOCUMENTS.

REVEAL TRIM DESIGN

- 1. THE ENLARGED ELEVATIONS, SECTIONS, AND DETAILS INDICATE TYPICAL REVEALS AT THE INTERFACE BETWEEN ADJOINING MATERIALS, AND AT INTERSECTING PLANES SUCH AS HORIZONTAL JOINTS.

SPECIAL INSPECTIONS AND SUBMITTALS

- 1. A MONTHLY REPORT BY THE CONTRACTOR WITH A COPY OF THE QUALITY CONTROL LOG AND A COPY OF ALL NON-COMPLIANCE ITEMS SHALL BE MAINTAINED AND SUBMITTED TO THE OWNER, ARCHITECT.

DEFERRED SUBMITTALS

- 1. THE FOLLOWING BUILDING SYSTEMS SHALL BE DESIGN/BUILD BY THE CONTRACTOR AND SHALL BE SUBMITTED FOR SEPARATE REVIEW TO THE AUTHORITIES HAVING JURISDICTION.

GENERAL NOTES

- 1. THE WORK PERFORMED UNDER THIS CONTRACT SHALL CONSIST OF FURNISHING ALL TOOLS, EQUIPMENT, MATERIALS, SUPPLIES, TRANSPORTATION, SERVICES, POWER AND WATER, ESSENTIAL COMMUNICATIONS, AND THE PERFORMANCE OF ALL LABOR. WORK REQUIRED CALCULATIONS, TESTING, OR OPERATIONS REQUIRED FOR THE FULFILLMENT OF THE CONTRACT, IN STRICT ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND SCHEDULES, ALL OF WHICH ARE MADE A PART HEREOF, INCLUDING DETAIL SKETCHES AS MAY BE FURNISHED BY ARCHITECT OR ENGINEER FROM TIME TO TIME DURING CONSTRUCTION IN EXPLANATION OF THE PLANS. THE WORK SHALL BE COMPLETE AND ALL MATERIAL, SERVICES, INCIDENTALS, QUALITY OR NOT SPECIFICALLY CALLED FOR QUALITY AND CONDITIONS NOTED, IN THE SPECIFICATIONS, OR NOT SHOWN ON THE PLANS WHICH MAY BE NECESSARY FOR THE COMPLETE AND PROPER CONSTRUCTION TO CARRY OUT THE CONTRACT IN GOOD FAITH AND IN A SATISFACTORY MANNER SHALL BE PERFORMED, FURNISHED, AND INSTALLED BY THE CONTRACTOR AT NO INCREASE IN COST TO THE CITY/HAS.

- 2. THE WORK PERFORMED UNDER THIS CONTRACT SHALL CONSIST OF FURNISHING ALL MATERIALS AND LABOR REQUIRED TO COMPLETE THE INSTALLATION OF ALL BUILDING SYSTEMS, BUILDING COMPONENTS, SPECIFIED EQUIPMENT, AND MATERIALS / FINISHES IDENTIFIED IN THE DOCUMENTS. SUCH WORK SHALL INCLUDE ALL SUPPORTING MATERIALS AND COMPONENTS NECESSARY TO COMPLETE THE INSTALLATION FOR A FULLY OPERATIONAL, FUNCTIONAL AND STRUCTURALLY ANCHORED SYSTEM, CONSISTENT WITH STANDARD PRACTICES, MANUFACTURER'S RECOMMENDATIONS, AND GOVERNING CODES.



3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104
Houston, TX 77003
713.868.3121
www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com



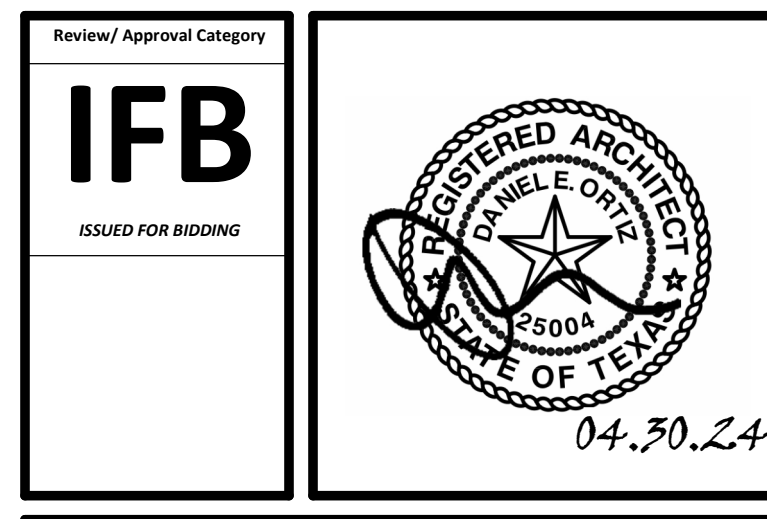
DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS

Table with 4 columns: No., DESCRIPTION, DATE, BY. Revision 1: ifb - rfcle 1 / Addendum 1, 04.30.24, GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM



SHEET NAME: GENERAL NOTES
SHEET No. G-003
SCALE: 1/4" = 1'-0"

07.4.5 ILLUMINATION. THE LEVEL OF ILLUMINATION AT THE CAR CONTROLS, LATERAL CAR THRESHOLD AND CAR LANDING SILL SHALL BE 5 FOOT CANDLES (54 LUX) MINIMUM.

07.4.6 ELEVATOR CAR CONTROLS. WHERE PROVIDED, ELEVATOR CAR CONTROLS SHALL COMPLY WITH 407.4.6 AND 309.4.

07.4.6.1 LOCATION. CAR CONTROLS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308.

07.4.6.2 BUTTONS. CAR CONTROL BUTTONS WITH FLOOR DESIGNATIONS SHALL COMPLY WITH 407.4.6.2 AND SHALL BE RAISED OR FLUSH.

07.4.6.2.1 SIZE. BUTTONS SHALL BE 3/4 INCH (19 MM) MINIMUM IN THEIR SMALLEST DIMENSION.

07.4.6.2.2 ARRANGEMENT. BUTTONS SHALL BE ARRANGED WITH NUMBERS IN ASCENDING ORDER. WHEN TWO OR MORE COLUMNS OF BUTTONS ARE PROVIDED THEY SHALL READ FROM LEFT TO RIGHT.

07.4.6.3 KEYPADS. CAR CONTROL KEYPADS SHALL BE IN A STANDARD TELEPHONE KEYPAD ARRANGEMENT AND SHALL COMPLY WITH 407.4.7.2.

07.4.6.4 EMERGENCY CONTROLS. EMERGENCY CONTROLS SHALL COMPLY WITH 407.4.6.4.

07.4.6.4.1 HEIGHT. EMERGENCY CONTROL BUTTONS SHALL HAVE THEIR CENTERLINES 35 INCHES (890 MM) MINIMUM ABOVE THE FINISH FLOOR.

07.4.6.4.2 LOCATION. EMERGENCY CONTROLS, INCLUDING THE EMERGENCY ALARM, SHALL BE GROUPED AT THE BOTTOM OF THE PANEL.

07.4.7 DESIGNATIONS AND INDICATORS OF CAR CONTROLS. DESIGNATIONS AND INDICATORS OF CAR CONTROLS SHALL COMPLY WITH 407.4.7.

07.4.7.1 BUTTONS. CAR CONTROL BUTTONS SHALL BE IDENTIFIED BY TACTILE CHARACTERS COMPLYING WITH 703.2.

07.4.7.1.1 TYPE. CONTROL BUTTONS SHALL BE IDENTIFIED BY TACTILE CHARACTERS COMPLYING WITH 703.2.

07.4.7.1.2 LOCATION. TACTILE CHARACTERS AND BRAILLE DESIGNATIONS SHALL BE PLACED IMMEDIATELY TO THE LEFT OF THE CONTROL BUTTON TO WHICH THE DESIGNATIONS APPLY.

07.4.7.1.3 SYMBOLS. THE CONTROL BUTTON FOR THE EMERGENCY STOP, ALARM, DOOR OPEN, DOOR CLOSE, MAIN ENTRY FLOOR, AND PHONE, SHALL BE IDENTIFIED WITH TACTILE SYMBOLS AS SHOWN IN TABLE 703.1.

07.4.7.1.4 VISIBLE INDICATORS. BUTTONS WITH FLOOR DESIGNATIONS SHALL BE PROVIDED WITH VISIBLE INDICATORS TO SHOW THAT A CALL HAS BEEN REGISTERED. THE VISIBLE INDICATION SHALL EXTINGUISH WHEN THE CAR ARRIVES AT THE DESIGNATED FLOOR.

07.4.7.2 KEYPADS. KEYPADS SHALL BE IDENTIFIED BY CHARACTERS COMPLYING WITH 703.5 AND SHALL BE CENTERED ON THE CORRESPONDING KEYPAD BUTTON. THE NUMBER FIVE KEY SHALL HAVE A SINGLE RAISED DOT. THE DOT SHALL BE 0.118 INCH (3 MM) TO 0.120 INCH (3.05 MM) DIAMETER AND IN OTHER ASPECTS COMPLY WITH TABLE 703.1.

07.4.8 CAR POSITION INDICATORS. AUDIBLE AND VISIBLE CAR POSITION INDICATORS SHALL BE PROVIDED IN ELEVATOR CARS.

07.4.8.1 VISIBLE INDICATORS. VISIBLE INDICATORS SHALL COMPLY WITH 407.4.8.1.

07.4.8.1.1 SIZE. CHARACTERS SHALL BE 1/2 INCH (13 MM) HIGH MINIMUM.

07.4.8.1.2 LOCATION. INDICATORS SHALL BE LOCATED ABOVE THE CAR CONTROL PANEL OR ABOVE THE DOOR.

07.4.8.1.3 FLOOR ARRIVAL. AS THE CAR PASSES A FLOOR AND WHEN A CAR STOPS AT A FLOOR SERVED BY THE ELEVATOR, THE CORRESPONDING CHARACTER SHALL ILLUMINATE.

07.4.8.1.4 DESTINATION INDICATOR. IN DESTINATION-ORIENTED ELEVATORS, A DISPLAY SHALL BE PROVIDED IN THE CAR WITH VISIBLE INDICATORS TO SHOW CAR DESTINATIONS.

07.4.8.2 AUDIBLE INDICATORS. AUDIBLE INDICATORS SHALL COMPLY WITH 407.4.8.2.

07.4.8.2.1 SIGNAL TYPE. THE SIGNAL SHALL BE AN AUTOMATIC VERBAL ANNUNCIATOR WHICH ANNOUNCES THE FLOOR AT WHICH THE CAR IS ABOUT TO STOP.

07.4.8.2.2 SIGNAL LEVEL. THE VERBAL ANNUNCIATOR SHALL BE 10 DB MINIMUM ABOVE AMBIENT, BUT SHALL NOT EXCEED 80 DB, MEASURED AT THE ANNUNCIATOR.

07.4.8.2.3 FREQUENCY. THE VERBAL ANNUNCIATOR SHALL HAVE A FREQUENCY OF 300 HZ MINIMUM TO 3000 HZ MAXIMUM.

07.4.9 EMERGENCY COMMUNICATION. EMERGENCY TWO-WAY COMMUNICATION SYSTEMS SHALL COMPLY WITH 309. TACTILE SYMBOLS AND CHARACTERS SHALL BE PROVIDED ADJACENT TO THE DEVICE AND SHALL COMPLY WITH 703.2.

02 PARKING SPACES

02.1 GENERAL. CAR AND VAN PARKING SPACES SHALL COMPLY WITH 502, WHERE APPLICABLE. SPACES ARE MARKED WITH LINES. WIDTH MEASUREMENTS OF PARKING SPACES AND ACCESS AISLES SHALL BE MADE FROM THE CENTERLINE OF THE MARKINGS.

02.2 VEHICLE SPACES. CAR PARKING SPACES SHALL BE 96 INCHES (2440 MM) WIDE MINIMUM AND VAN PARKING SPACES SHALL BE 132 INCHES (3350 MM) WIDE MINIMUM. SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ADJACENT ACCESS AISLE COMPLYING WITH 502.3.2.

02.3 ACCESS AISLES. ACCESS AISLES SERVING PARKING SPACES SHALL COMPLY WITH 502.3. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE.

02.3.1 WIDTH. ACCESS AISLES SERVING CAR AND VAN PARKING SPACES SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM.

02.3.2 LENGTH. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACES THEY SERVE.

02.3.3 MARKING. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING THEREIN.

02.3.4 LOCATION. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.

02.4 FLOOR OR GROUND SURFACES. PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH 502. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.

02.5 VERTICAL CLEARANCE. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 96 INCHES (2440 MM) MINIMUM.

02.6 IDENTIFICATION. PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 703.2.1. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN THE DESIGNATION "VAN ACCESSIBLE." SIGNS SHALL BE 60 INCHES (1525 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

02.7 RELATIONSHIP TO ACCESSIBLE ROUTES. PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT CARS AND VANS, WHEN PARKED, CANNOT OBSTRUCT THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES.

03 PASSENGER LOADING ZONES

03.1 GENERAL. PASSENGER LOADING ZONES SHALL COMPLY WITH 503.

03.2 VEHICLE PULL-UP SPACE. PASSENGER LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 96 INCHES (2440 MM) WIDE MINIMUM AND 20 FEET (6100 MM) LONG MINIMUM.

03.3 ACCESS AISLE. PASSENGER LOADING ZONES SHALL PROVIDE ACCESS AISLES COMPLYING WITH 503 ADJACENT TO THE VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY.

03.3.1 WIDTH. ACCESS AISLES SERVING VEHICLE PULL-UP SPACES SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM.

03.3.2 LENGTH. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACES THEY SERVE.

03.3.3 MARKING. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING THEREIN.

03.4 FLOOR AND GROUND SURFACES. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH 302. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.

03.5 VERTICAL CLEARANCE. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM, AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SHALL PROVIDE A VERTICAL CLEARANCE OF 114 INCHES (2895 MM) MINIMUM.

04 STAIRWAYS

04.1 GENERAL. STAIRS SHALL COMPLY WITH 504.

04.2 TREADS AND RISERS. ALL STEPS ON ALL FLIGHTS OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4 INCHES (100 MM) HIGH MINIMUM AND 7 INCHES (180 MM) HIGH MAXIMUM. TREADS SHALL BE 11 INCHES (280 MM) DEEP MINIMUM.

04.3 OPEN RISERS. OPEN RISERS ARE NOT PERMITTED.

04.4 TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.

04.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH (13 MM) MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 1/2 INCH (13 MM) MAXIMUM OVER THE TREAD BELOW.

04.6 HANDRAILS. STAIRS SHALL HAVE HANDRAILS COMPLYING WITH 505.

04.7 WET CONDITIONS. STAIR TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.

05 HANDRAILS

05.1 GENERAL. HANDRAILS PROVIDED ALONG WALKING SURFACES COMPLYING WITH 302, REQUIRED AT RAMPS COMPLYING WITH 405, AND REQUIRED AT STAIRS COMPLYING WITH 504 SHALL COMPLY WITH 505.

05.2 WHERE REQUIRED. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.

05.3 CONTINUITY. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS AND RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS.

05.4 HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES (865 MM) MINIMUM AND 38 INCHES (965 MM) MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.

05.5 CLEARANCE. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1 1/2 INCHES (38 MM) MINIMUM.

505.6 GRIPPING SURFACE. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOM EDGES OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH WHERE PROVIDED. HORIZONTAL GRIPPING SURFACES SHALL OCCUR AT 1 INCHES (25 MM) MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.

505.7 CROSS SECTION. HANDRAIL GRIPPING SURFACES SHALL HAVE A CROSS SECTION COMPLYING WITH 505.7.1 OR 505.7.2.

505.7.1 CIRCULAR CROSS SECTION. HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES (32 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM.

505.7.2 NON-CIRCULAR CROSS SECTION. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES (100 MM) MINIMUM AND 6 1/4 INCHES (160 MM) MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2 1/4 INCHES (57 MM) MAXIMUM.

505.8 SURFACES. HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

505.9 FITTINGS. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

505.10 HORIZONTAL EXTENSIONS. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND AT THE END OF EACH SECTION OF STAIR FLIGHT.

505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE RAMP SURFACE FOR 12 INCHES (305 MM) MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.

505.10.2 TOP EXTENSION AT STAIRS. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES (305 MM) MINIMUM BEYOND AND AT THE END OF EACH SECTION OF STAIR FLIGHT. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

505.10.3 BOTTOM EXTENSION AT STAIRS. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE BOTTOM OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH ABOVE THE LAST RISER NOSING. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

602 DRINKING FOUNTAINS

602.1 GENERAL. DRINKING FOUNTAINS SHALL COMPLY WITH 307 AND 602.

602.2 CLEAR FLOOR SPACE. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH 308 SHALL BE PROVIDED.

602.3 OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH 309.

602.4 SPOUT HEIGHT. SPOUT OUTLETS SHALL BE 36 INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

602.5 SPOUT LOCATION. THE SPOUT SHALL BE LOCATED 15 INCHES (380 MM) MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT, INCLUDING BURNERS.

602.6 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES (100 MM) HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT, WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES (75 MM) FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 90 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES (75 MM) AND 5 INCHES (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

602.7 DRINKING FOUNTAINS FOR STANDING PERSONS. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38 INCHES (965 MM) MINIMUM AND 43 INCHES (1090 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

603 TOILET & BATHING ROOMS

603.1 GENERAL. TOILET AND BATHING ROOMS SHALL COMPLY WITH 603.

603.2 CLEARANCES. CLEARANCES SHALL COMPLY WITH 603.2.

603.2.1 TURNING SPACE. TURNING SPACE COMPLYING WITH 304 SHALL BE PROVIDED WITHIN THE ROOM.

603.2.2 OVERLAP. REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP.

603.2.3 DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.

603.3 MIRRORS. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES (1015 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES (890 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

603.4 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 40 INCHES (1015 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.1 GENERAL. WATER CLOSETS AND TOILET COMPARTMENTS SHALL COMPLY WITH 604.2 THROUGH 604.8.

604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES (405 MM) MINIMUM TO 18 INCHES (455 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

604.3 CLEARANCE. CLEARANCES AROUND WATER CLOSETS AND IN TOILET COMPARTMENTS SHALL COMPLY WITH 604.3.

604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES (1525 MM) MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES (1420 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET. ASSOCIATED GRAB BARS, DISPENSERS, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE, NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

604.4 SEAT. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1065 MM) LONG MINIMUM. LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES (1370 MM) MINIMUM FROM THE REAR WALL.

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES (915 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE.

604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET. ASSOCIATED GRAB BARS, DISPENSERS, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE, NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

604.4 SEAT. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1065 MM) LONG MINIMUM. LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES (1370 MM) MINIMUM FROM THE REAR WALL.

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES (915 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE.

604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET. ASSOCIATED GRAB BARS, DISPENSERS, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE, NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

604.4 SEAT. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1065 MM) LONG MINIMUM. LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES (1370 MM) MINIMUM FROM THE REAR WALL.

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES (915 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE.

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES (180 MM) MINIMUM AND 8 INCHES (200 MM) MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES (380 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

604.8 TOILET COMPARTMENTS. WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF 604.8.1 AND 604.8.3. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH 603.

604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.1.

604.8.1.1 SIZE. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES (1420 MM) DEEP MINIMUM FOR WALL HUNG WATER CLOSETS AND 59 INCHES (1500 MM) DEEP MINIMUM FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL TO THE REAR WALL. WHEELCHAIR ACCESSIBLE COMPARTMENTS FOR CHILDREN'S USE SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 59 INCHES (1500 MM) DEEP MINIMUM FOR WALL HUNG AND FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.

604.8.1.2 DOORS. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES (1065 MM) MINIMUM. DOORS SHALL BE LOCATED IN THE FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDE WALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES (100 MM) MAXIMUM FROM THE FRONT PARTITION. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

604.8.1.3 APPROACH. COMPARTMENTS SHALL BE ARRANGED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES (230 MM) MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES (150 MM) DEEP MINIMUM BEYOND THE FINISH FLOOR OR GROUND.

604.8.1.5 SUPPORT MEMBERS. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES (305 MM) MINIMUM ABOVE THE FINISH FLOOR.

604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES (230 MM) MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES (150 MM) DEEP MINIMUM BEYOND THE FINISH FLOOR OR GROUND.

604.8.1.5 SUPPORT MEMBERS. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES (305 MM) MINIMUM ABOVE THE FINISH FLOOR.

604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES (230 MM) MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES (150 MM) DEEP MINIMUM BEYOND THE FINISH FLOOR OR GROUND.

604.8.1.5 SUPPORT MEMBERS. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES (305 MM) MINIMUM ABOVE THE FINISH FLOOR.

702 FIRE ALARM SYSTEMS

702.1 GENERAL. FIRE ALARMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE. SEE "REFERENCE STANDARDS" IN CHAPTER 1), EXCEPT THAT THE ALARMS SHALL BE INSTALLED IN ALL ROOMS WITH FIRE ALARMS APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL, NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE, IN ADDITION TO QUIET ROOMS. ALARMS SHALL BE INSTALLED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION).

703 SIGNS

703.1 GENERAL. SIGNS SHALL COMPLY WITH 703 WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED. EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.

703.2 RAISED CHARACTERS. RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4.

703.2.1 DEPTH. RAISED CHARACTERS SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THE BACKGROUND SURFACE.

703.2.2 CASE. CHARACTERS SHALL BE UPPERCASE.

703.2.3 STYLE. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE TALL, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.2.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

703.2.5 CHARACTER HEIGHT. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".

703.2.6 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

703.2.7 CHARACTER SPACING. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND THE RAISED CHARACTERS STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16 INCH (1.6 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BARS AND DECORATIVE ELEMENTS BY 18 INCHES (455 MM) MINIMUM. CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

703.3 VISUAL CHARACTERS. VISUAL CHARACTERS SHALL COMPLY WITH 703.5.

703.3.1 FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

703.3.2 CARE. CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

703.3.3 STYLE. CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT INCLUDE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.3.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

703.3.5 CHARACTER HEIGHT. MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH 703.2.5. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER AND DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".

703.3.6 HEIGHT FROM FINISH FLOOR OR GROUND. VISUAL CHARACTERS SHALL BE 40 INCHES (1015 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

605 URINALS

605.1 GENERAL. URINALS SHALL COMPLY WITH 605.

605.2 HEIGHT AND DEPTH. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 7 INCHES (180 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13 1/2 INCHES (345 MM) DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.

605.3 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

605.5 CLEAR FLOOR SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

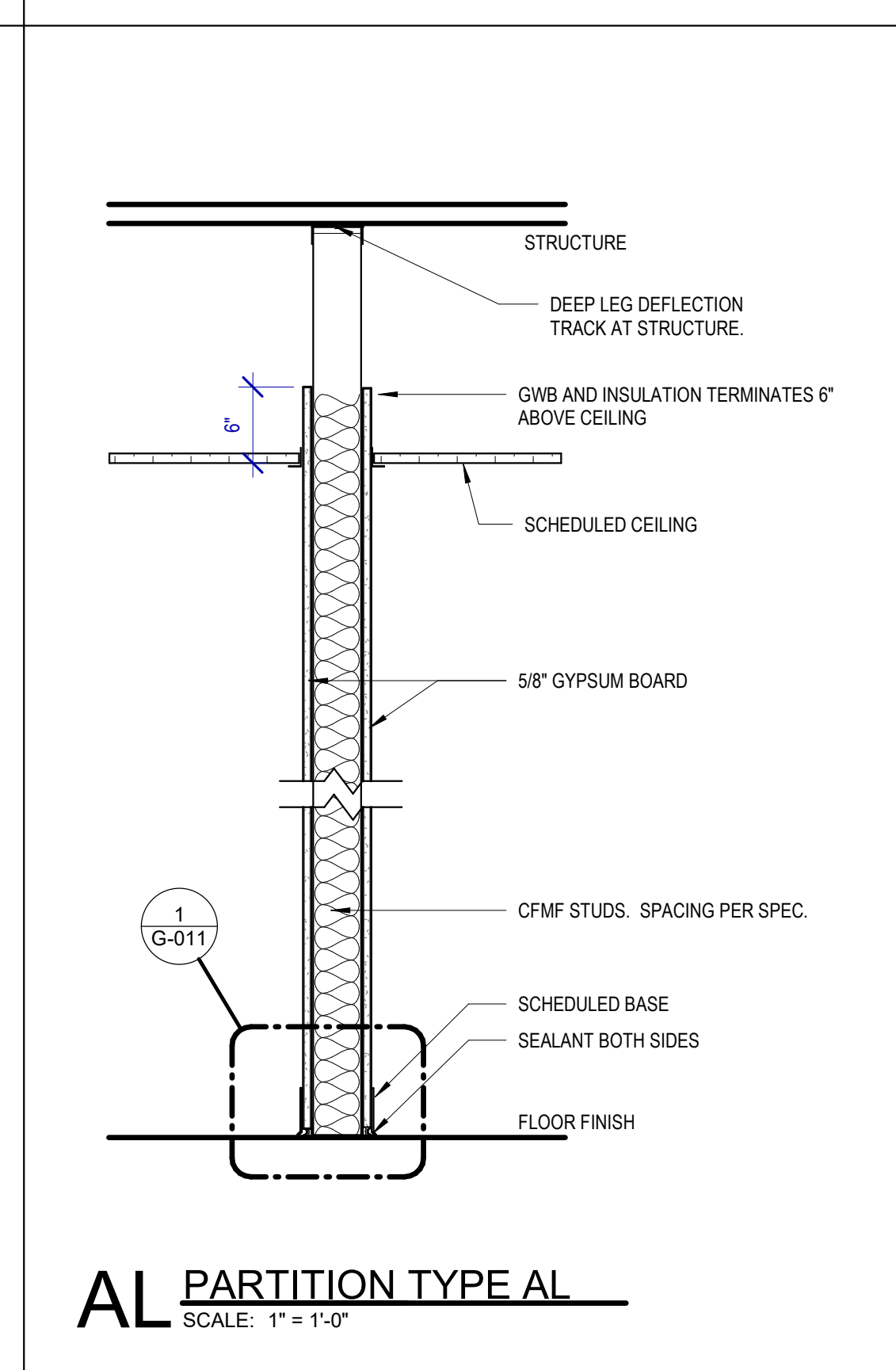
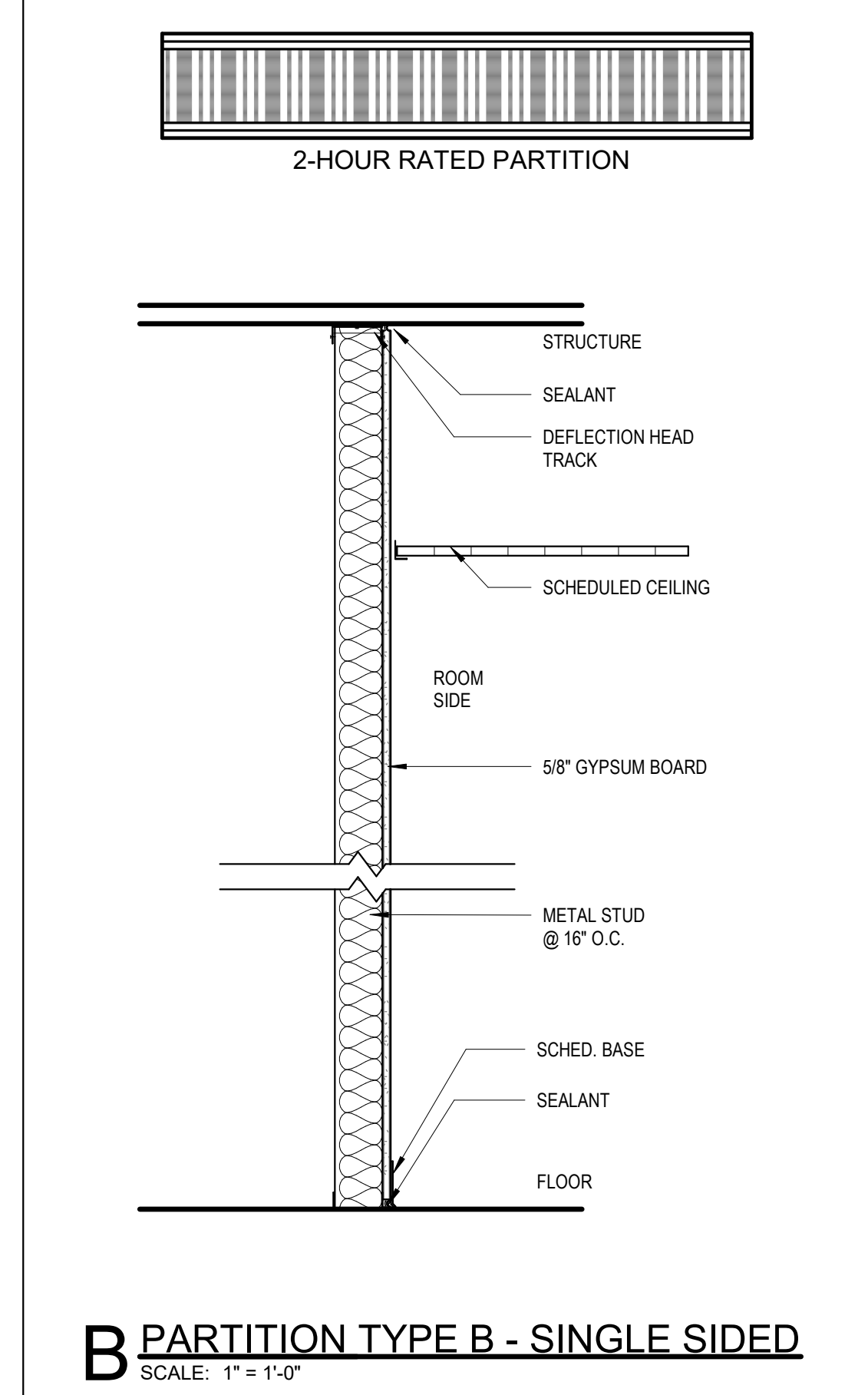
605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE HAND

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:
 PLOT DATE:
 PLOT DATE:
 PLOT DATE:
 PLOT DATE:
 PLOT DATE:

PARTITION TYPE NOTES

- PARTITION TYPES SCHEDULE DEFINES ASSEMBLY TYPES AND VARIATIONS WITHIN EACH TYPE REFER TO FLOOR PLANS TO DETERMINE THE LOCATION FOR EACH TYPE.
- ALL GYPSUM WALLBOARD (INCLUDING CEILING) TO BE INSTALLED IN WET OR DAMP AREAS SUCH AS TOILETS, KITCHENS, JANITOR CLOSETS, MECHANICAL ROOMS, UNCONDITIONED SPACES, BELOW GRADE AREAS, OR ANY OTHER AREAS SUSCEPTIBLE TO MOISTURE OR DAMPNESS SHALL BE WATER RESISTANT TYPE, U.N.O.
- ALL WALLBOARD INSTALLED WHERE TILE FINISH IS SCHEDULED SHALL BE 5/8" CEMENT BACKER BOARD U.N.O.
- USE DEEP LEG DEFLECTION TRACK @ THE TOP OF ALL PARTITIONS SECURED TO UNDERSIDE OF STRUCTURE.
- AT FIRE RATED WALLS APPLY AN ADDITIONAL LAYER OF WALLBOARD ON ANY FACES RECEIVING REVEALS.
- PROVIDE ADDITIONAL METAL FRAMING AS REQUIRED TO SUPPORT GYPSUM BOARD FINISHES. IF NO SUPPORT IS INDICATED PROVIDE FRAMING ASSEMBLY THAT COMPLIES WITH MIN. DESIGN LOAD OF 1420 & 10 PSF AND 50 PSF LOADING. TYPICAL FOR MECHANICAL PLenums AND ELEVATOR SHAFTS.
- LIMITING HEIGHTS ARE CONTRACTOR'S RESPONSIBILITY. TO BE BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) LIMITING WALL HEIGHT TABLES. ALL PARTITIONS SHALL BE BRACED AS REQUIRED TO MEET MINIMUM DEFLECTION CRITERIA.
- ALL METAL STUDS EXTEND TO STRUCTURE U.N.O. BY TYPE DESIGNATION OR SPECIFIC DETAIL.
- ALIGN EXTERIOR CORNERS AND JOINTS IN FINISHED AREAS, TYP.
- PROVIDE CONTINUOUS CAULKING AT ALL DUCT AND PIPE PENETRATIONS THROUGH WALLS IN ACCORDANCE WITH SPECIFICATIONS.
- AT CHASE WALLS PROVIDE HORIZONTAL BRACING FOR SEPERATIONS LESS THAN 9" WITH MIN. 4 1/4" METAL BRACE. AT SEPERATIONS GREATER THAN 9" PROVIDE 12" WIDE GYPSUM WALL BOARD BRACE. ALL BRACES AT 32" O.C. MIN.
- DIMENSION PLANS SHALL INDICATE PARTITION CLEAR DIMENSIONS FROM FACE OF WALLBOARD TO FACE OF WALLBOARD UNLESS NOTED OTHERWISE.

FIRE RATING GRAPHIC SYMBOL



PARTITION TYPE KEY CODE

AS4A

FIRST CHARACTER: PARTITION TYPE - REFERENCE DIAGRAMS THIS SHEET

A	TYPICAL CFMF STUD PARTITION
B	TYPICAL CFMF FURRING WALL (FINISH ON 1 SIDE ONLY TYP)
C	TYPICAL CFMF CHASE WALL PARTITION
D	TYPICAL CFMF DOUBLE WALL PARTITION
E	TYPICAL CFMF SINGLE SIDED PARTITION AT EXTERIOR
M	TYPICAL CMU WALL PARTITION
P	TYPICAL CFMF "PONY" WALL (FINISH WRAPS TOP OF WALL)
S	SPECIALTY FRAMED PARTITION - REFER TO DETAILS
W	WOOD FRAMED PARTITION - DIMENSIONAL LUMBER

SECOND CHARACTER GROUP: SPECIALTY CHARACTERISTIC (IF APPLICABLE)

[]	NO CHARACTER SIGNIFIES STANDARD PARTITION TYPE
GWB	FINISH TERMINATES 6" ABOVE CEILING - DOES NOT EXTEND TO STRUCTURE. BRACE AS REQUIRED
S	SOUND ATTENUATING PARTITION WITH STC RATING
STC	RATING IS NOTED BELOW DETAIL
X	1 HR FIRE RATED PARTITION ASSEMBLY WITH UL LISTING
UL	DESIGNATION IS NOTED BELOW DETAIL.
2X	2 HR FIRE RATED PARTITION ASSEMBLY WITH UL LISTING
UL	DESIGNATION IS NOTED BELOW DETAIL.
3X	(...ETC)

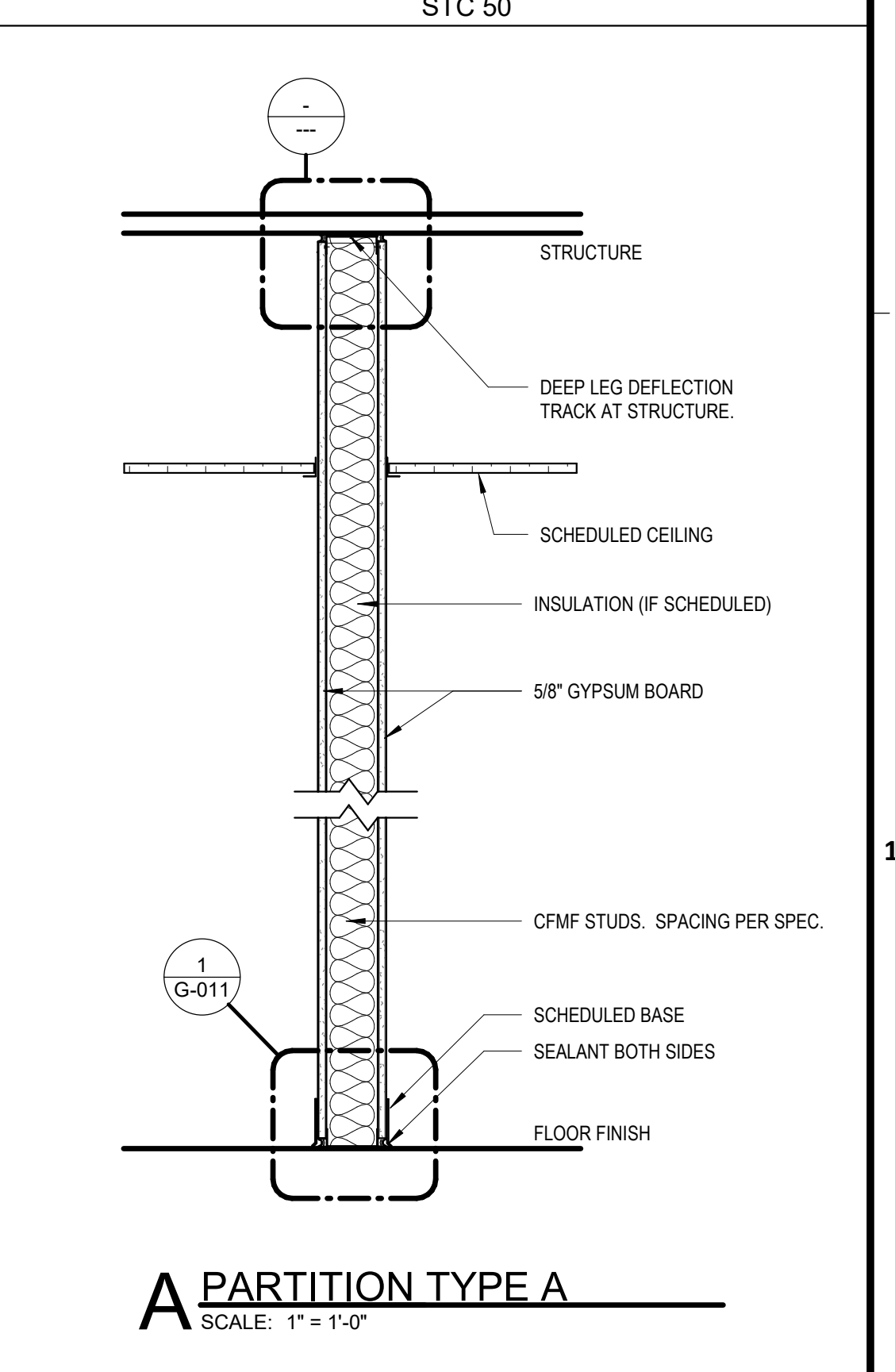
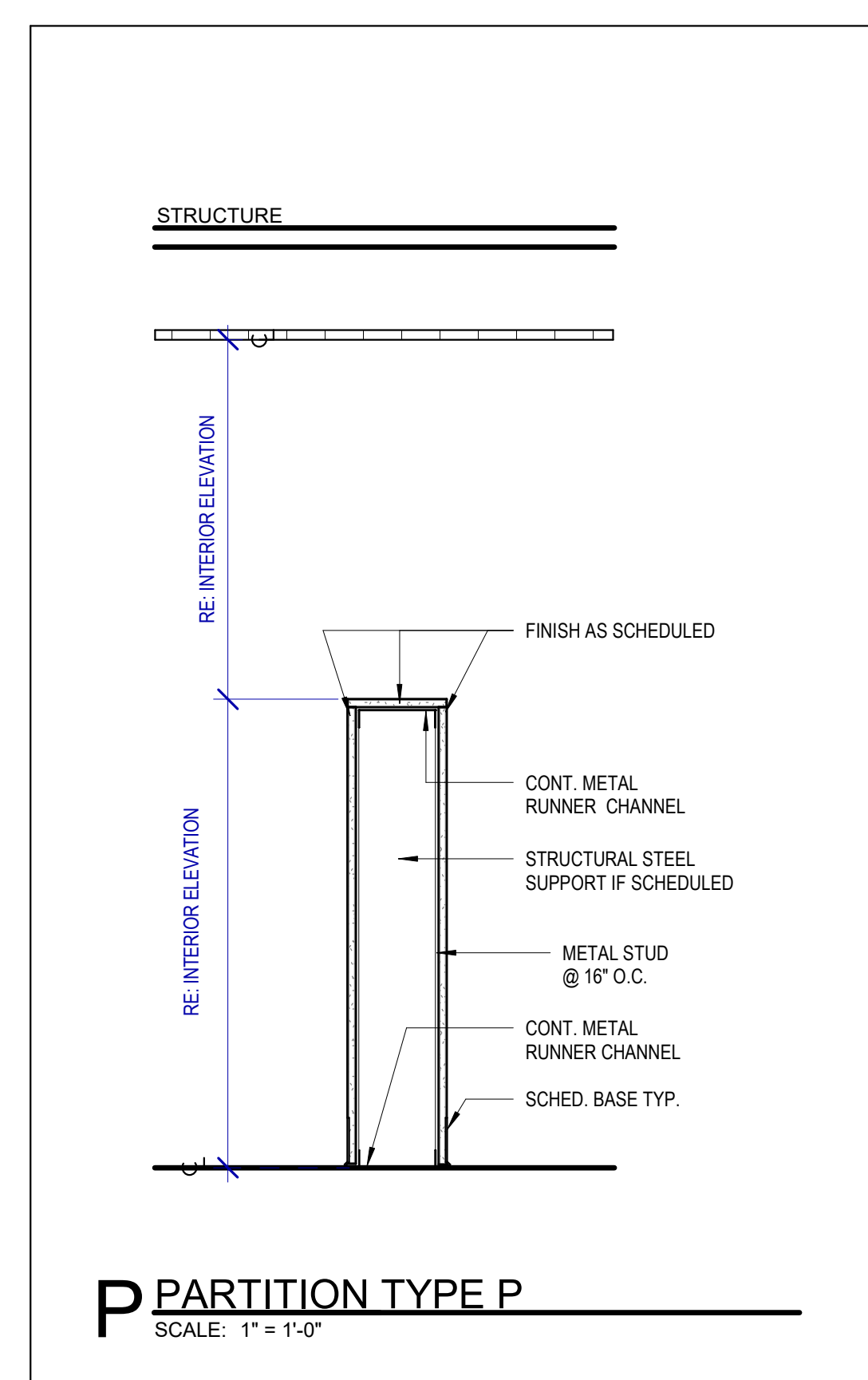
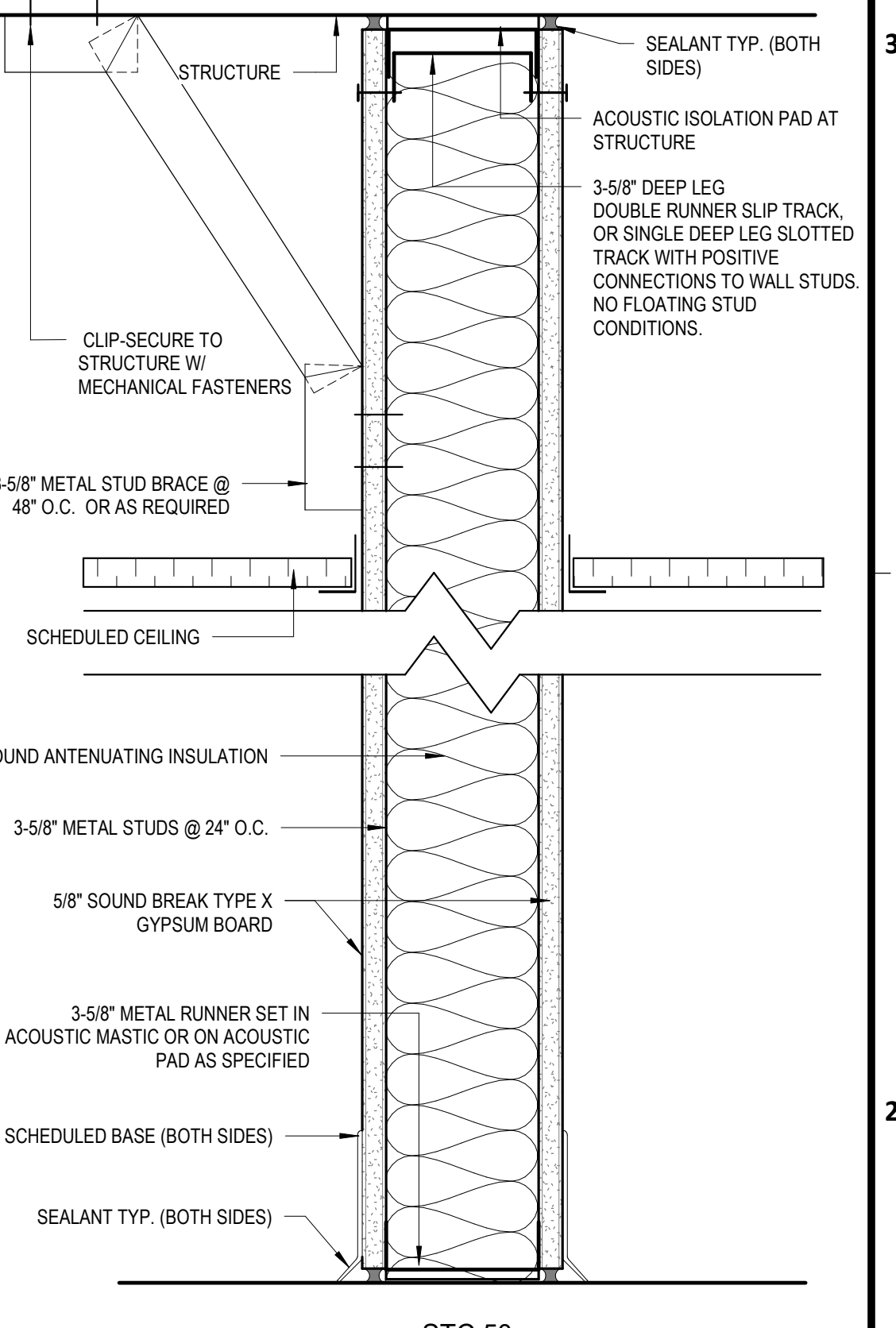
THIRD CHARACTER: STUD THICKNESS AS FOLLOWS (REFER TO PLAN):

0	7/8" METAL FURRING CHANNEL
1	1-5/8" METAL STUD or 1-1/2" FURRING CHANNEL
2	2-1/2" METAL STUD or FURRING CHANNEL
4	3-5/8" METAL STUD or 4" CMU
6	6" METAL STUD
8	8" METAL STUD or 8" CMU

FOURTH CHARACTER: PARTITION INSULATION SCHEDULE (REFER TO PLAN):

I	STANDARD FIBERGLASS BATTS TO FILL STUD CAVITY
S	SPECIALTY SOUND ATTENUATING INSULATION TO FILL CAVITY
F	SPRAY FOAM INSULATION TO FILL CAVITY
R	THERMAL RIGID FOAM INSULATION
T	THERMAL FIBER-GLASS INSULATION TO FILL CAVITY
-	NO CHARACTER INDICATES NO INSULATION USED

GRAPHIC EXAMPLE: PARTITION TYPE AS4S



HOUSTON AIRPORTS
 3701 North Terminal Road
 Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. A.I.P. No.
 C.O.H. No. D.O.A. No.
 B.S.G. No. **2024-92-IAH** H.A.S. No.
 T.I.P. No. **24-86-IAH**

RDLR Architects
 ARCHITECTURE PLANNING INTERIORS
 800 Sampson St. #104 713.868.3121
 Houston, TX 77003 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
 structural engineers
 5599 San Felipe, Suite 1425
 Houston, Texas 77056
 713.430.5800
 www.hendersonrogers.com

PGA ENGINEERS, INC

DESIGNER PROJECT No.:
 PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

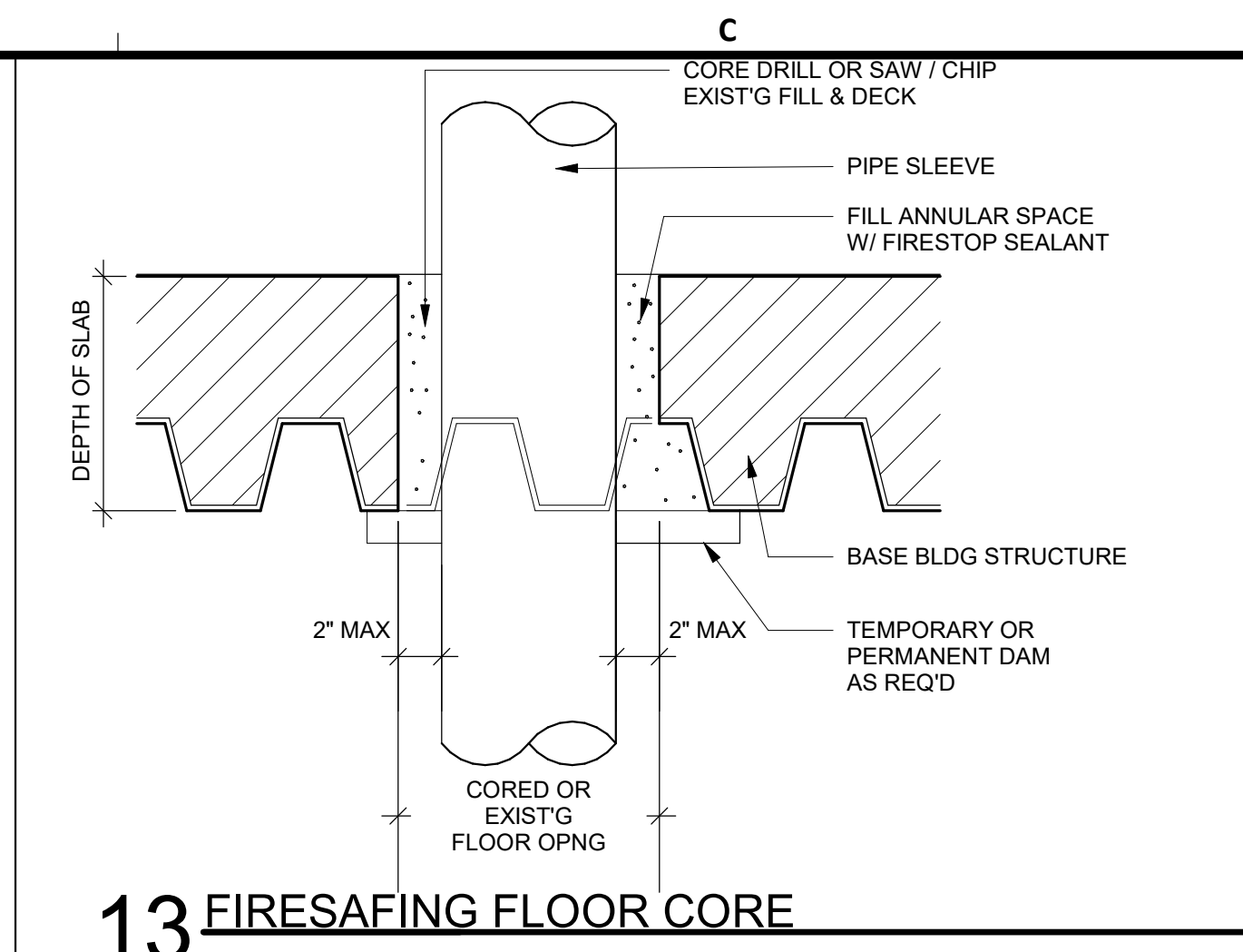
DESIGN BY: GP
 DRAWN BY: GP
 CHECKED BY: DO
 ISSUE DATE: 03.21.24
 APPROVED BY: DO
 APPROVAL DATE: 03.21.24

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

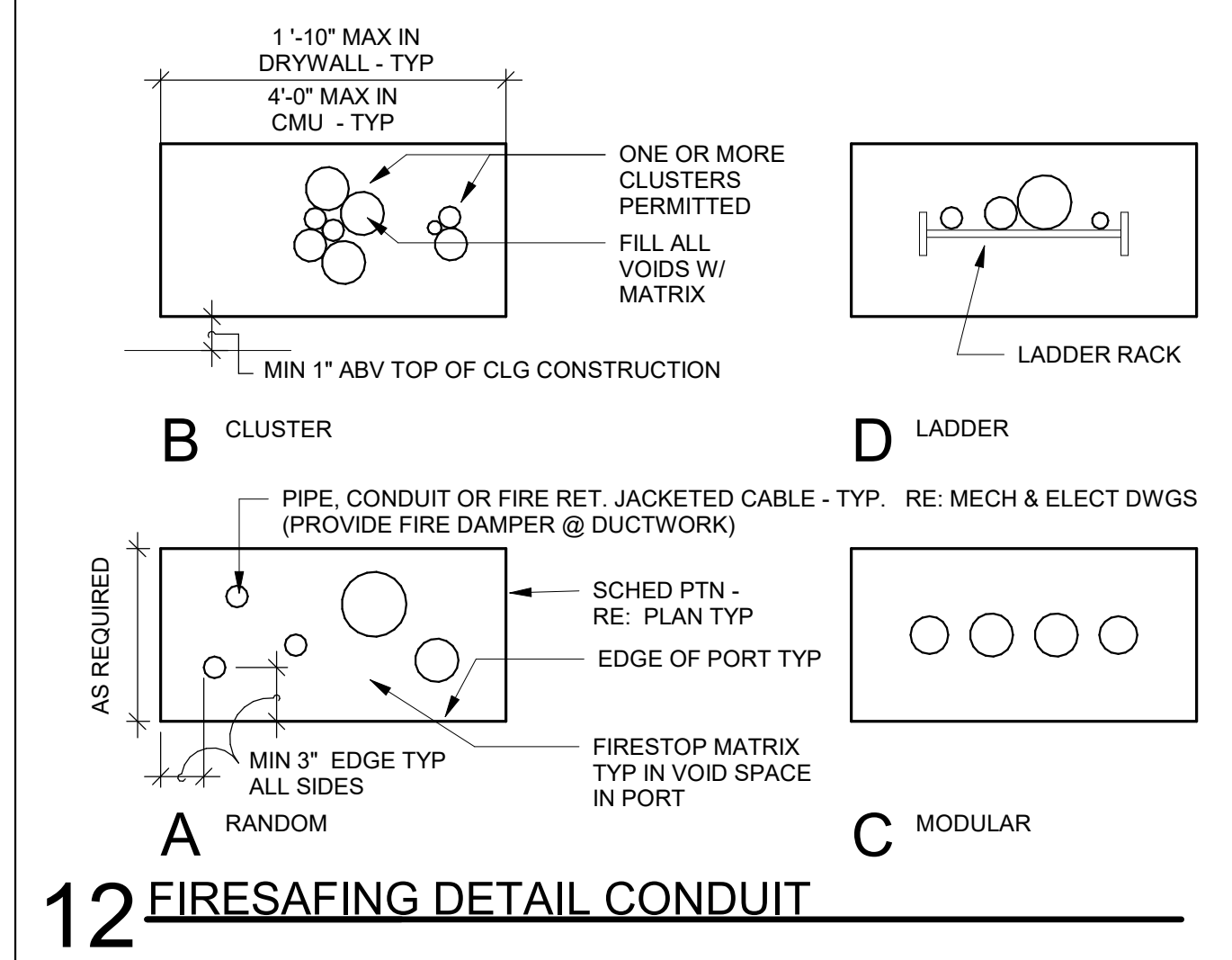
Noted/ Approval Category
IFB
 ISSUED FOR BIDDING

REGISTERED ARCHITECT
 STATE OF TEXAS
 04.30.24

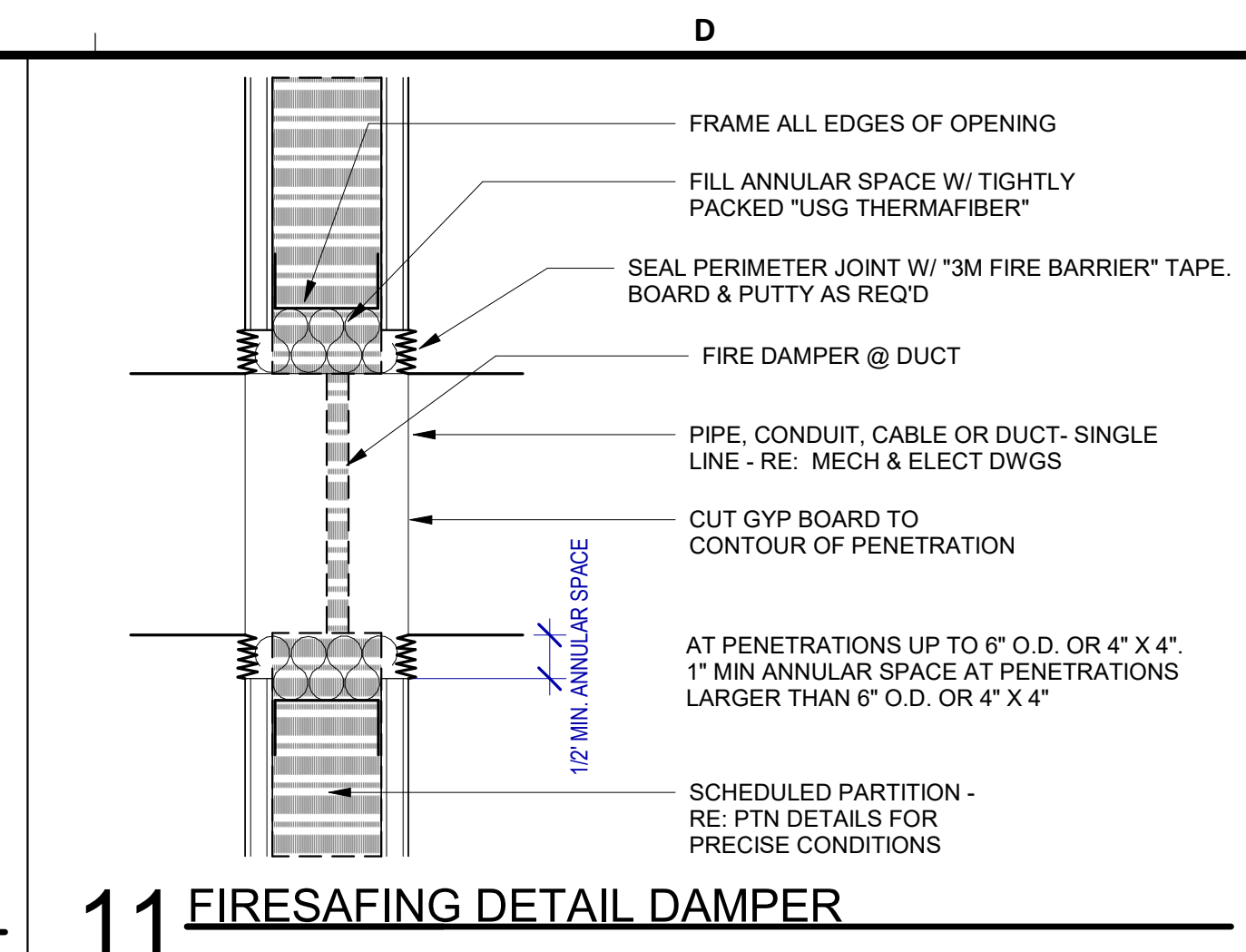
SHEET NAME: INTERIOR PARTITION SCHEDULE
 SHEET No. G-010 SCALE: As indicated
 SHEET SIZE: 30"x42" ARCH E1



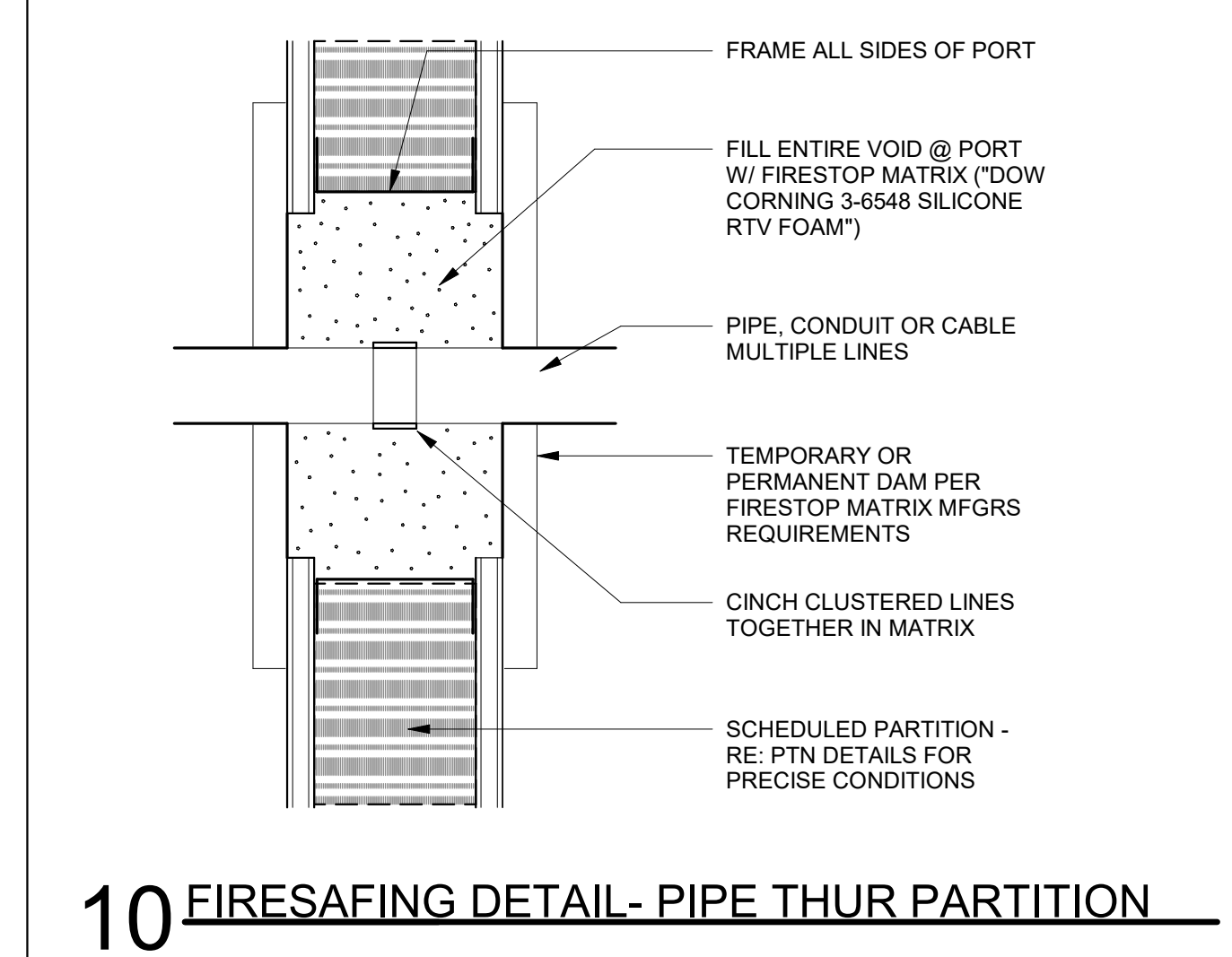
13 FIRESAFING FLOOR CORE



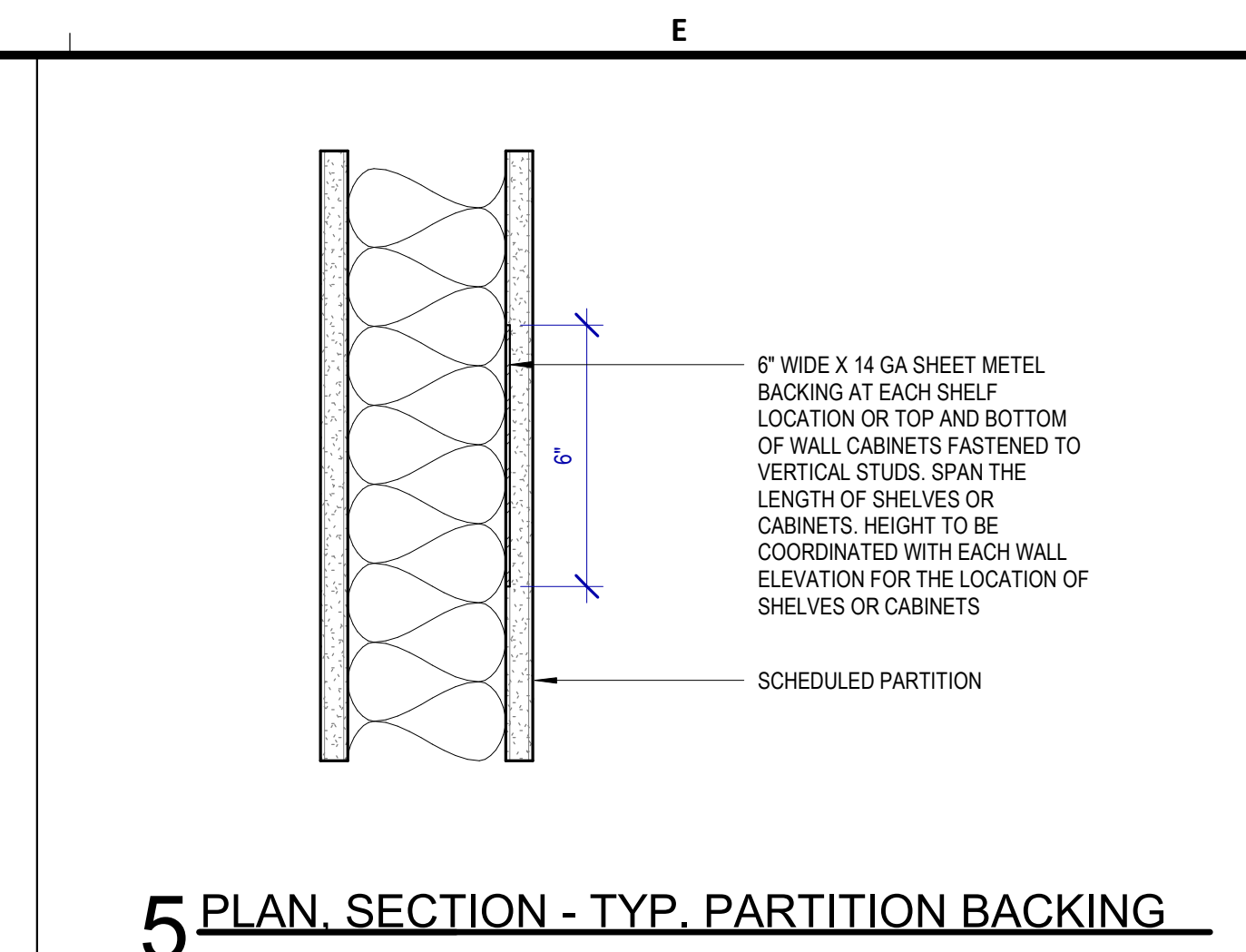
12 FIRESAFING DETAIL CONDUIT



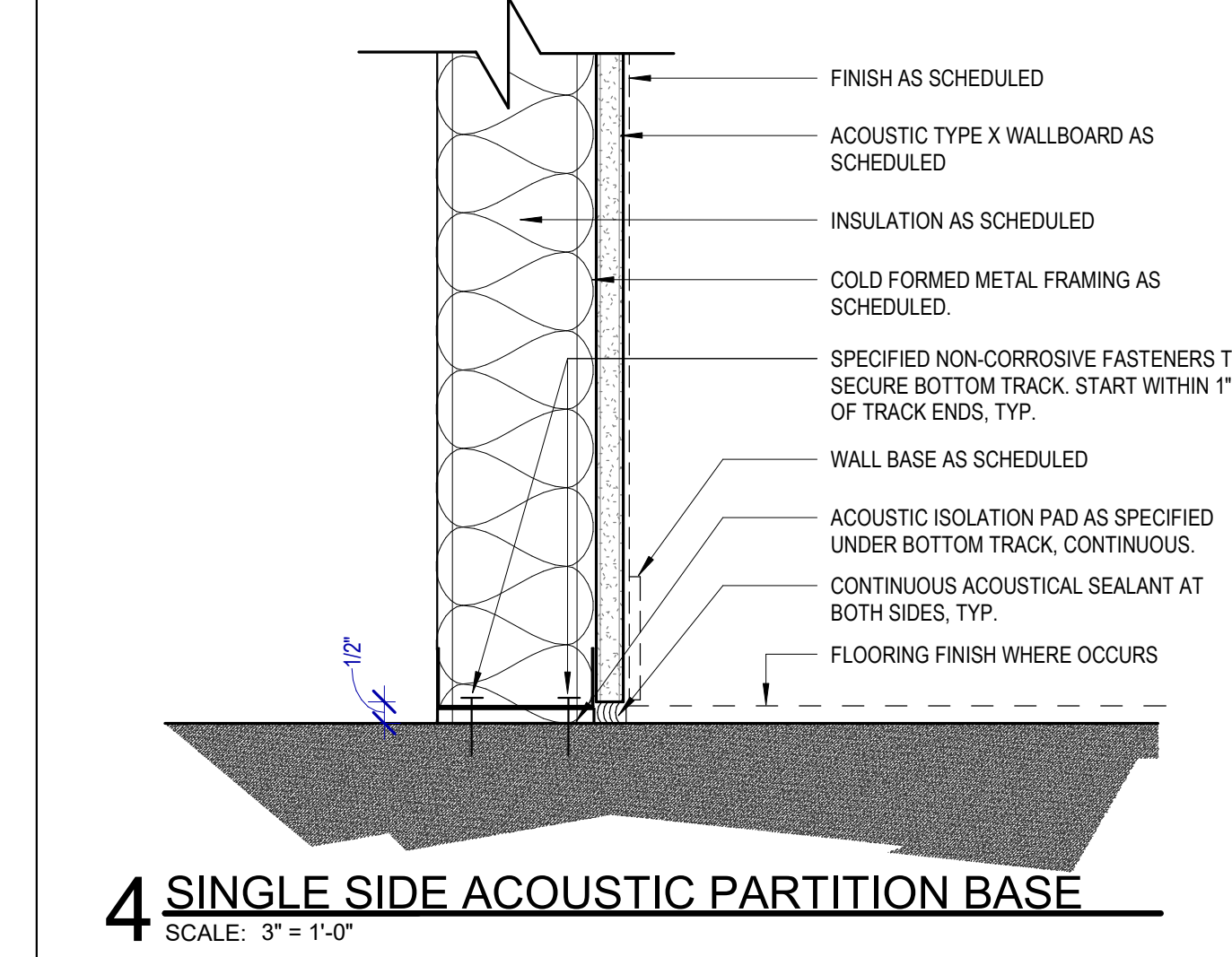
11 FIRESAFING DETAIL DAMPER



10 FIRESAFING DETAIL- PIPE THRU PARTITION



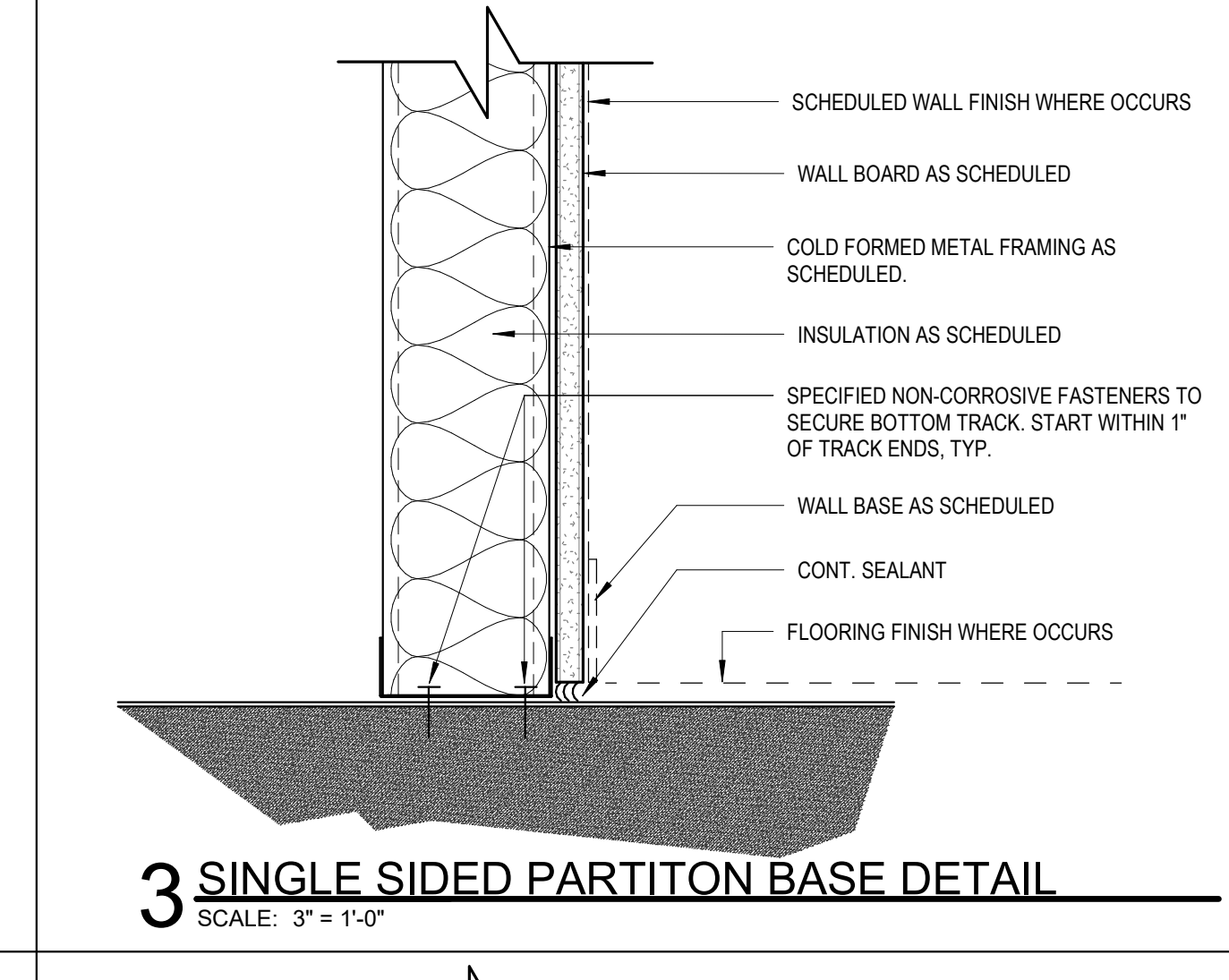
5 PLAN SECTION - TYP. PARTITION BACKING



4 SINGLE SIDE ACOUSTIC PARTITION BASE



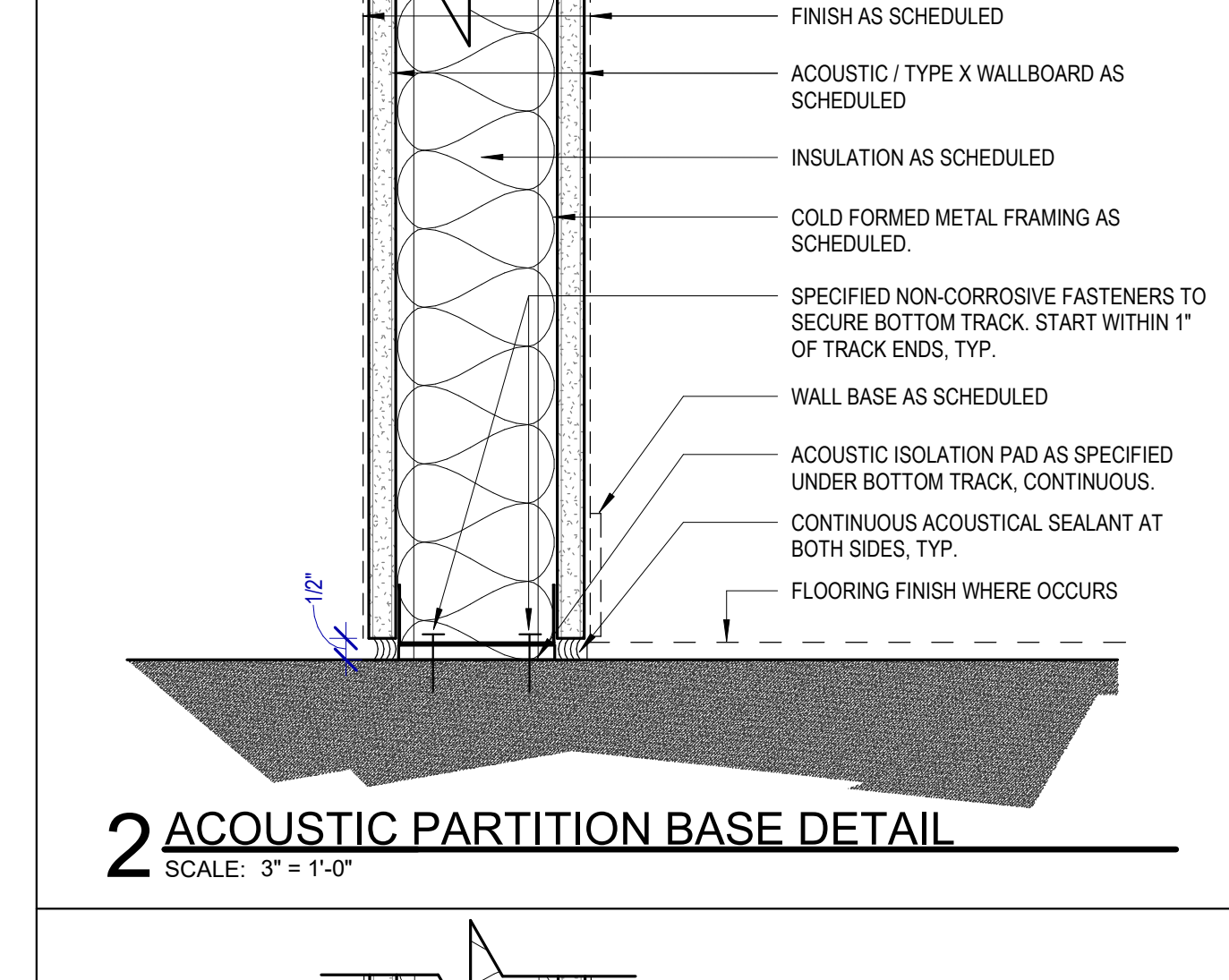
9 PLAN / SECTION - RECESSED ITEM IN TILE



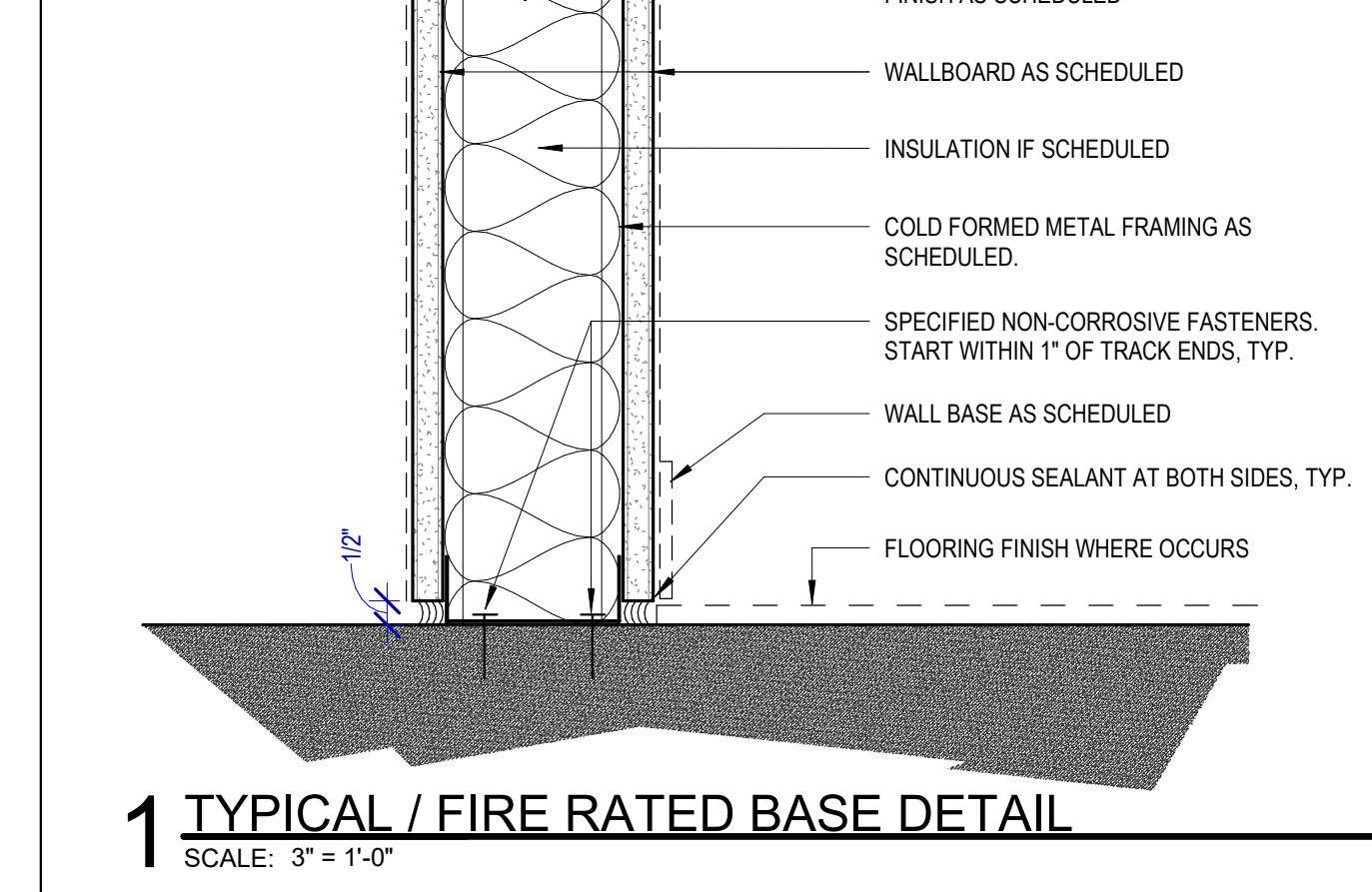
3 SINGLE SIDED PARTITION BASE DETAIL



8 TYPICAL PLUMBING CHASE DETAIL



2 ACOUSTIC PARTITION BASE DETAIL



1 TYPICAL / FIRE RATED BASE DETAIL

HOUSTON AIRPORTS
 3701 North Terminal Road
 Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS
 C.I.P. No. A.I.P. No.
 C.O.H. No. D.O.A. No.
 B.S.G. No. **2024-92-IAH** H.A.S. No.
 T.I.P. No. **24-86-IAH**

RDLR Architects
 ARCHITECTURE PLANNING INTERIORS
 800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com
JONES ENGINEERS, L.P.
HENDERSON ROGERS
 structural engineers
 5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com
PGA ENGINEERS, INC

DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
 of
HOUSTON AIRPORT SYSTEM

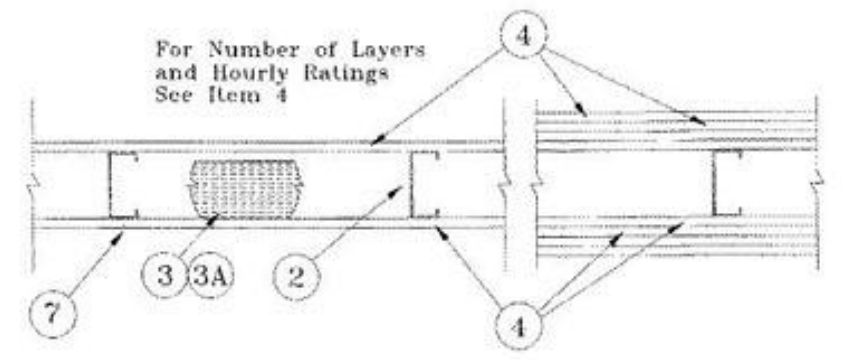
Noted/ Approval Category
IFB
 ISSUED FOR BIDDING

 04.30.24

SHEET NAME:
 INTERIOR PARTITION DETAILS - TYPICAL
SHEET No.: G-011 **SCALE:** As indicated
SHEET SIZE: 30"x42" ARCH E1

DESIGN NO. U419

NONBEARING WALL RATINGS -- 1,2,3, OR 4 HR. (SEE ITEMS 3 & 4)



- Floor and Ceiling Runners -- (Not shown) -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate 3/8" size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.
- Steel Studs -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under item 4, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. from ends as assembly height.
- Batts and Blankets -- (Required as indicated under item 4) -- Mineral wool batts, friction fitted between studs and runners. Min non burning as indicated under item 4. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
 - Batts and Blankets -- (Optional) -- Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
- Gypsum Board -- Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity on opposite sides of studs. Horizontal edge joints and staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and adjacent layers (multilayer systems) staggered one stud cavity on opposite sides of studs. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Rating	Min Stud Depth	No. of Layers & Thkns of Panel (Item 3)	Min Thkns of Insulation
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	Optional
2	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
4	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

Wallboard Protection on Each Side of Wall

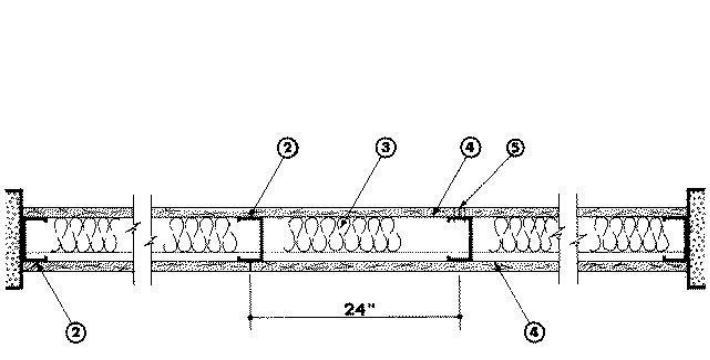
CANADIAN GYPSUM COMPANY -- 1/2 in. thick Type C, IP-X2 or IPC-AR, WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE UNITED STATES GYPSUM CO -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE USG MEXICO S A DE C V -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or 3/4 in. thick Types IP-X3 or ULTRACODE When Item 6B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 3) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 5. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 5. Gypsum Board* -- (As an alternate to Item 4) -- 5/8 in. thick, 2 ft. wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 5. Joint covering (Item 5) not required.

USG MEXICO S A DE C V -- Type SLX
CANADIAN GYPSUM COMPANY -- Type SHX
UNITED STATES GYPSUM CO -- Type SHX.

- Fasteners -- (Not shown) -- Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2- 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. thick panels, spaced 24 in. OC. Four layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.
- Furring Channels -- (Optional, not shown, for single or double layer systems) -- Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 4A.
 - Steel Framing Members (Not Shown) -- (Optional on one or both sides, not shown, for single or double layer systems) -- As an alternate to Item 6, furring channels and Steel Framing Members as described below: Furring Channels -- Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Gypsum board attached to furring channels as described in Item 5. Not for use with Item 4A. Steel Framing Members* -- Used to attach furring channels (Item 6A) to studs (Item 2). Clips spaced max. 48 in. OC, and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. PAC INTERNATIONAL INC -- Type RSC-1.
 - Steel Framing Members (Optional, Not Shown) -- As an alternate to Item 6, furring channels and Steel Framing Members on only one side of studs as described below:
 - Furring Channels -- Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Batts and Blankets placed in stud cavity as described in Item 4. Two layers of gypsum board attached to furring channels as described in Item 4. Not for use with Item 4A.
 - Steel Framing Members* -- Used to attach furring channels (Item 6Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
- KINETICS NOISE CONTROL, INC -- Type Isoam
- Joint Tape and Compound -- Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.
- Siding, Brick or Stucco -- (Optional, not shown) -- Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.
- Caulking and Sealants -- (Optional, not shown) -- A bead of acoustical sealant applied around the partition perimeter for sound control. UNITED STATES GYPSUM CO -- Type AS
*Bearing the UL Classification Mark

DESIGN NO. U448

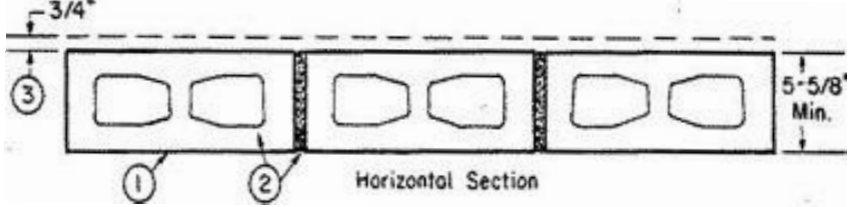
DESIGN NO. U448



- Floor and Ceiling Channel -- 2-1/2 in. wide by 1-3/8 in. deep channel, 0.021 (25 MSG) galvanized steel, attached with screws spaced 24 in. OC.
- Steel Studs -- 2-1/2 in. wide by 1-3/8 in. deep channel sections with 1/4 in. lip on each flange tip, 0.021 in. (25 MSG) galvanized steel studs spaced 24 in. OC.
- Batts and Blankets* -- 1-1/2 in. thick mineral wool batts supplied in 2 by 4 ft batts; attached to wallboard with staples 16 in. OC. ROCK WOOL MANUFACTURING CO -- Delta Board. ROXUL INC -- (Staples optional).
- LAFARGE NORTH AMERICA INC -- Type LGFC-C, LGFC-CIA. NATIONAL GYPSUM CO -- Types FSK-C, FSW-C, FSM-C. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM -- Type PG-C. BPB AMERICA INC -- ProRoc Type C. BPB CANADA INC -- ProRoc Type C. CANADIAN GYPSUM COMPANY -- Types C, IP-X2, IPC-AR. G-P GYPSUM CORP. SUB OF GEORGIA-PACIFIC CORP -- Type 5. LAFARGE NORTH AMERICA INC -- Type LGFC-C, LGFC-CIA. NATIONAL GYPSUM CO -- Types FSK-C, FSW-C, FSM-C. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM -- Type PG-C. TEMPLE-INLAND FOREST PRODUCTS CORP -- Type TG-C. UNITED STATES GYPSUM CO -- Types C, IP-X2, IPC-AR. USG MEXICO S A DE C V -- Types C, IP-X2, IPC-AR.
- Joint Tape and Compound -- Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard, joints reinforced.
*Bearing the UL Classification Mark

DESIGN NO. U906

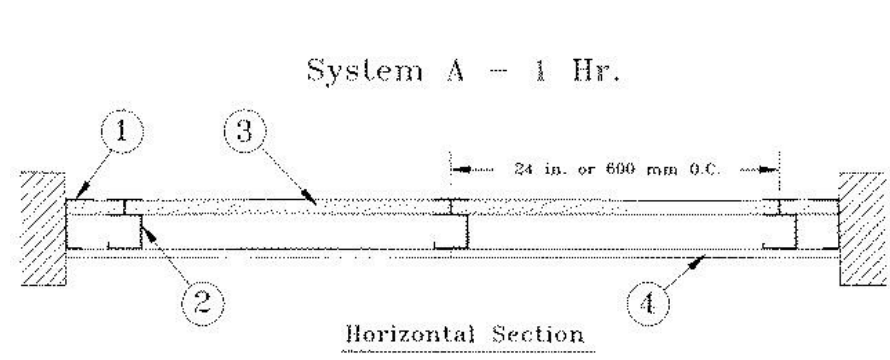
BEARING WALL RATING -- 2 HR. NONBEARING WALL RATING -- 2 HR.



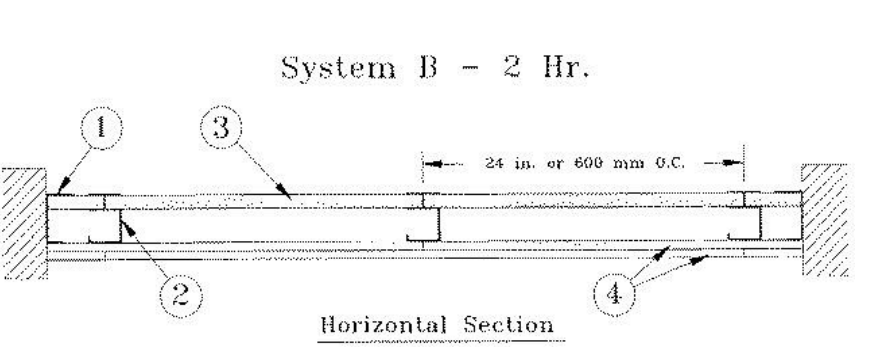
- Concrete Blocks* -- Nominal 6 by 16 by 16 in. hollow or solid. Classification D-2 (2 Hr). ANCHOR CONCRETE PRODUCTS INC. GAGNE & SON CONCRETE BLOCK INC. Allowable compressive stress of 37% of max allowable compressive stress in accordance with the empirical design method. BETCO BLOCK PRODUCTS INC. ARTHUR WHITCOMB WESTBROOK CONCRETE BLOCK CO INC. Allowable compressive stress of 75% of max allowable compressive stress in accordance with the empirical design method.
- Mortar -- Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 in. and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
- Portland Cement Stucco or Gypsum Plaster -- Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).
- Foamed Plaster* -- (Optional-Not Shown) -- 1-1/2 in. thick max. 4 ft wide sheathing attached to concrete blocks (Item 1). THE DOW CHEMICAL CO -- Type Therman
*Bearing the UL Classification Mark

DESIGN NO. U415 NONBEARING

WALL RATINGS - 1, 2, 3, OR 4 HR



- Floor and Ceiling Runners -- "J" shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" shaped studs (Item 2A) may be used as side runners in place of "J" shaped runners. Steel Studs -- "C"-H shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 5C, or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC.
 - Steel Studs - (Not Shown) -- "E" shaped studs installed back and back in place of "C"-H shaped studs (Item 2) "E" shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D or Item 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.
 - Furring Channels -- (Optional, not shown) -- For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C"-H or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard is not installed vertically only. Not to be used with Type FRX or FRX-G gypsum wallboard (Item 4A) or cementitious backer units (Item 7).
 - Furring Channels -- For use with System 1 - "Hat" shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type 5 pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC. Steel Framing Members* (Optional, not shown) -- For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX or FRX-G gypsum wallboard (Item 4A) or cementitious backer units (Item 7).
 - Furring Channels -- Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Gypsum board installed vertically only and attached to furring channels as described in Item 5.
 - Steel Framing Members* -- Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC, and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. PAC INTERNATIONAL INC -- Type RSC-1.
- Gypsum Board* - System A - 1 Hr. Gypsum panels with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing.
 - CANADIAN GYPSUM COMPANY -- 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - UNITED STATES GYPSUM CO -- Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - USG MEXICO S A DE C V - 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
- Gypsum Board* - System A - 1 Hr. Gypsum panels with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.
 - CANADIAN GYPSUM COMPANY -- 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - UNITED STATES GYPSUM CO -- 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - USG MEXICO S A DE C V - 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
- Joint Tape and Compound -- (Not Shown). Systems A, B, C, E, F, G, H. Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.
- Batts and Blankets* - Systems A, B, E, F, G, H, I. (Optional) - Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification Marking as to Fire Resistance. Systems C & D Min 3 in. (System C) and min 1-1/2 in. (System D) thick mineral wool batts, friction fitted between the studs and floor and ceiling runners.



- USG MEXICO S A DE C V - Type SLX Gypsum Board* - System A - 1 Hr. Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing.
 - CANADIAN GYPSUM COMPANY -- Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - UNITED STATES GYPSUM CO -- Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - USG MEXICO S A DE C V - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
- Gypsum Board* - System A - 1 Hr. Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.
 - CANADIAN GYPSUM COMPANY -- 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - UNITED STATES GYPSUM CO -- 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
 - USG MEXICO S A DE C V - 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRX.
- Joint Tape and Compound -- (Not Shown). Systems A, B, C, E, F, G, H, I. Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.
- Batts and Blankets* - Systems A, B, E, F, G, H, I. (Optional) - Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification Marking as to Fire Resistance. Systems C & D Min 3 in. (System C) and min 1-1/2 in. (System D) thick mineral wool batts, friction fitted between the studs and floor and ceiling runners.

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt

HAS FILE:

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:

3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

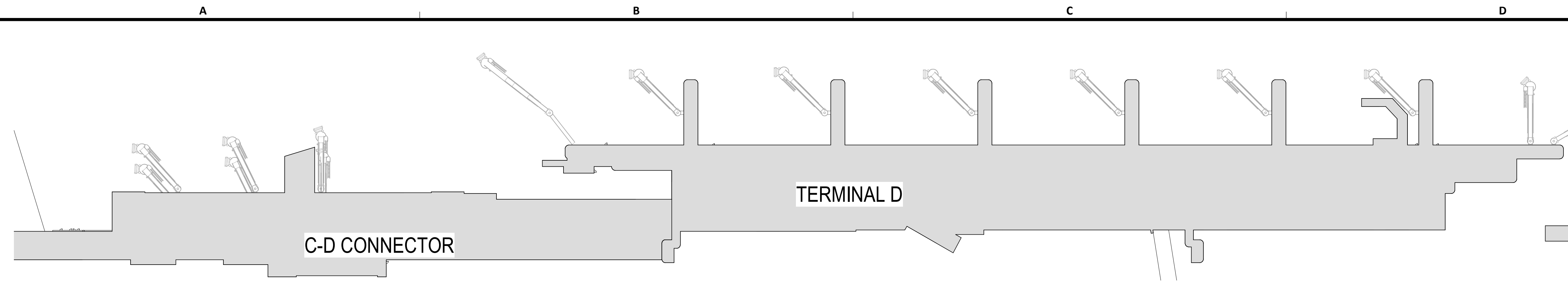
DESIGN BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
ISSUE DATE: 04/30/24
APPROVED BY: Approver
APPROVAL DATE: 04/30/24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Noted Approval Category

04.30.24

SHEET NAME: UL DESIGN
SHEET No. G-012 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



A3 CODE OVERALL SITE PLAN - C-D CONNECTOR AND TERMINAL D
SCALE: 1" = 80'-0"

RESTROOM		USE GROUP	WATER CLOSETS MEN	WATER CLOSETS WOMEN	URINAL MEN	LAVS MEN	LAVS WOMEN	SINGLE OCCUPANT RESTROOM	SERVICE SINK
GATES D7-D8	EXISTING	B	5	8	5	4	4	NA	
	PROPOSED	B	5	8	5	4	4	NA	
GATE D9	EXISTING	B	NA	7	NA	NA	4	NA	
	PROPOSED	NA	NA	7	NA	NA	4	NA	
GATE D16	EXISTING	NA	NA	NA	NA	NA	NA	1	
	PROPOSED	NA	NA	NA	NA	NA	NA	1	
GATES D16-D17	EXISTING	B	7	11	8	8	8	1	
	PROPOSED	B	7	11	8	8	8	1	

APPLICABLE BUILDING CODES

2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL FIRE CODE
2021 UNIFORM MECHANICAL CODE
2021 UNIFORM PLUMBING CODE
2023 NATIONAL ELECTRICAL CODE
2021 HOUSTON COMMERCIAL ENERGY CONSERVATION CODE
CITY OF HOUSTON SIGN CODE
CITY OF HOUSTON CODE AMENDMENTS
HAS STANDARDS
STATE OF TEXAS ACCESSIBILITY STANDARDS

SCOPE OF WORK

1. THE WORK SHALL BE DONE IN COMPLIANCE OF THESE DRAWINGS AND SPECIFICATIONS, AND FACILITIES CRITERIA DOCUMENT OF THE HOUSTON AIRPORT AUTHORITY.
2. THE WORK INCLUDES MINOR DEMOLITION; SAW CUTTING AND REMOVING PORTIONS OF BUILDING WALLS, CEILINGS, WALL AND FLOOR FINISHES AND ASSOCIATED MECHANICAL, PLUMBING AND ELECTRICAL DEMOLITION.
3. THE WORK INCLUDES RESTROOMS RENOVATIONS AT CD CONNECTOR AND TERMINAL D. CONSTRUCTION INCLUDES INTERIOR BUILDING IMPROVEMENTS INCLUDING WALLS, CEILINGS, ACCESSORIES, FINISHES AND LIGHTING, TECHNOLOGY, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS WORK AS PER TECHNOLOGY AND MEP DRAWINGS AND SPECIFICATIONS.
4. THE WORK REQUIRES CAREFUL AND THROUGH COORDINATION WITH OWNER FURNISHED ITEMS AND SYSTEMS.

BUILDING CODE SUMMARY

OCCUPANCY CLASSIFICATION

EXISTING AIRPORT

OCCUPANCY TYPE: A3, RESTROOMS IN TRANSPORTATION TERMINALS, ACCESSORY OCCUPANCY

CONSTRUCTION TYPE: I-A

SPRINKLER: YES

BUILDING/PROJECT ADDRESS: GEORGE BUSH INTERNATIONAL AIRPORT
3701 NORTH TERMINAL D ROAD
(TERMINAL D)
HOUSTON, TX 77032

EXISTING TO REMAIN - OCCUPANCY CLASSIFICATION/OCCUPANCY LOAD NOT AFFECTED BY WORK

ACCESSORY OCCUPANCIES

508.2.3 AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10 PERCENT OF THE FLOOR AREA OF THE STORY IN WHICH THEY ARE LOCATED AND SHALL NOT EXCEED THE TABULAR VALUES FOR NONSPRINKLERED BUILDINGS IN TABLE 506.2 FOR EACH SUCH ACCESSORY OCCUPANCY

508.3.1 NONSEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION 302.1. CODE REQUIREMENTS SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY CLASSIFICATION OF THAT SPACE. IN ADDITION, THE MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA WHERE NONSEPARATED OCCUPANCIES OCCUR IN HIGH-RISE BUILDING. THE MOST RESTRICTIVE OF SECTION 403 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY THROUGHOUT THE HIGH-RISE BUILDING.

CONSTRUCTION REQUIREMENTS

CONSTRUCTION TYPE: TYPE 1A, (FULLY SPRINKLERED)

TABLE 601 FIRE RESISTIVE REQUIREMENTS FOR BUILDING ELEMENTS

STRUCTURAL FRAME	3-HOUR
BEARING WALLS	3-HOUR
NONBEARING WALLS (INTERIOR)	0-HOUR
FLOOR CONSTRUCTION	2-HOUR
ROOF CONSTRUCTION	1.5-HOUR

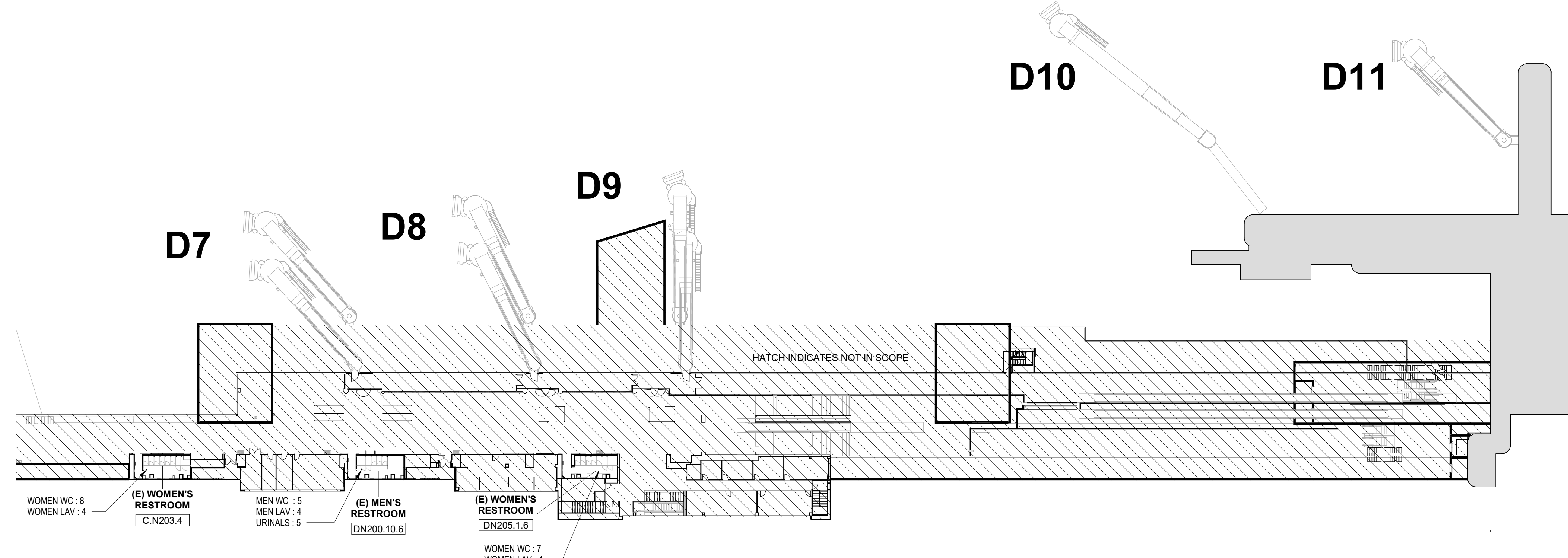
INTERIOR FINISHES

803.1.1 INTERIOR WALL AND FINISH MATERIALS

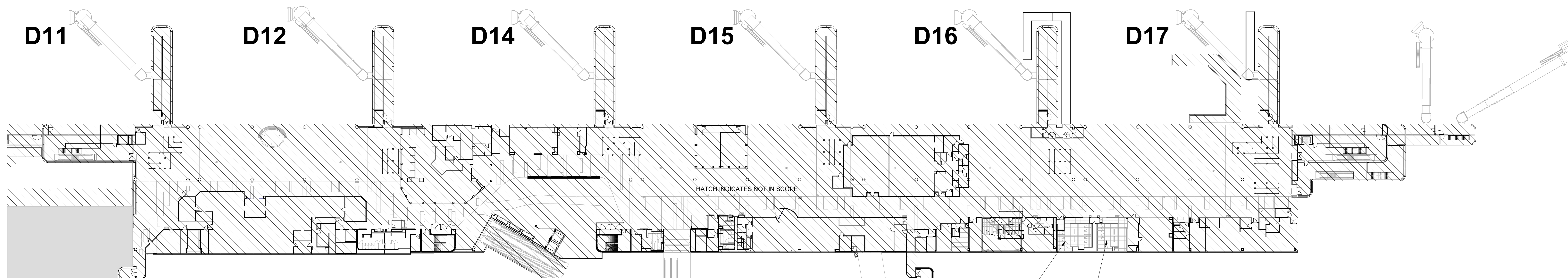
INTERIOR WALL AND FINISH CEILING MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723

CLASS	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
CLASS A	0-25	0-450
CLASS B	26-75	0-450
CLASS C	76-200	0-450

GROUP A-3 (SPRINKLERED) CORRIDORS CLASS B
ROOMS & ENCLOSED SPACES CLASS C



A2 CODE CD CONNECTOR DEPARTURES LEVEL 2
SCALE: 1" = 40'-0"



A1 CODE TERMINAL D DEPARTURES LEVEL 2
SCALE: 1" = 40'-0"



3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No.	A.I.P. No.
E.O.H. No.	D.O.A. No.
B.S.G. No.	H.A.S. No.
T.I.P. No.	

2024-92-IAH
24-86-IAH

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104
Houston, TX 77003

713.868.3121
www.rdlr.com



5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com



DESIGNER PROJECT No.:

PROJECT STATUS: IFB

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP

DRAWN BY: GP

CHECKED BY: DO

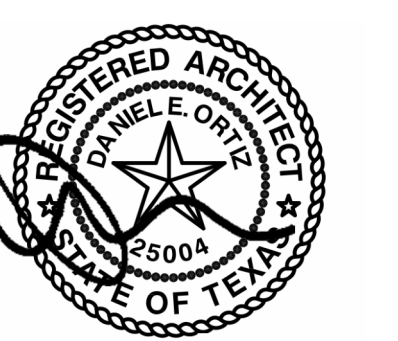
ISSUE DATE: 03.21.24

APPROVED BY: DO

APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING



SHEET NAME: PLUMBING COUNT PLAN AND CODE SUMMARY

SHEET No. G-021 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.866.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com



DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Noted/ Approval Category

IFB
ISSUED FOR BIDDING

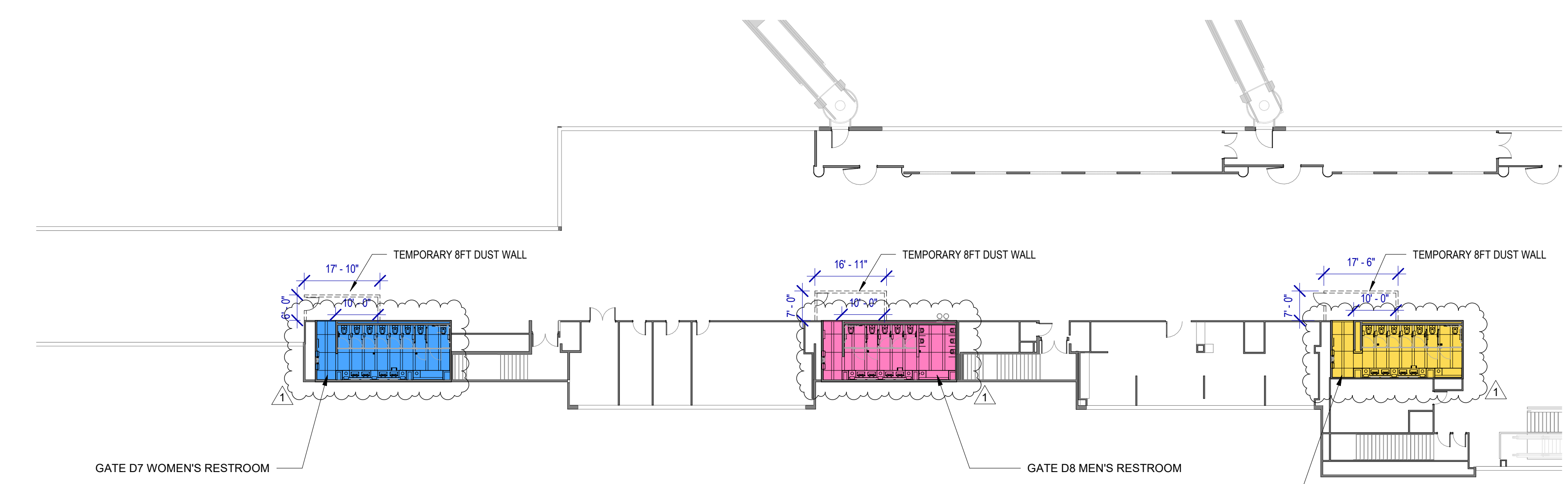
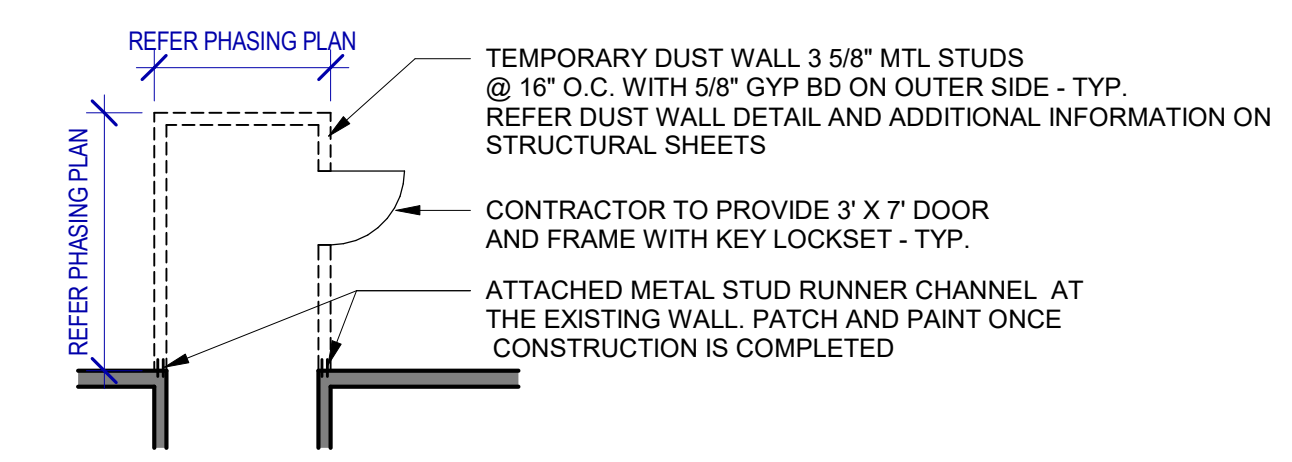
SHEET NAME: CONSTRUCTION PHASING PLAN
SHEET No. G-022 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

CONSTRUCTION PHASING NOTES

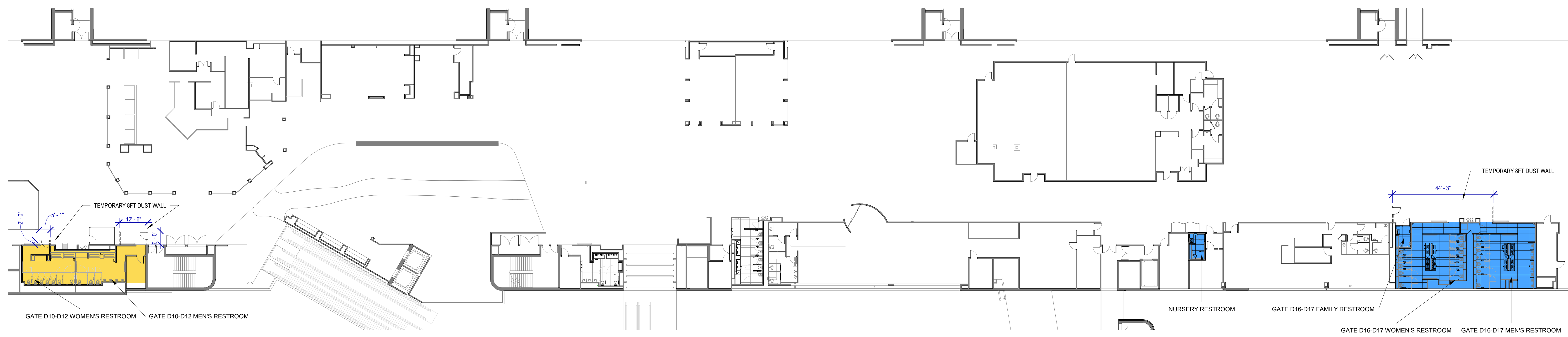
- PHASE TWO CONSTRUCTION SHALL BEGIN WHEN ALL OF PHASE 1 CONSTRUCTION HAS BEEN COMPLETED AND IS OPENED FOR CUSTOMER USE.
- PHASE THREE CONSTRUCTION SHALL BEGIN WHEN ALL OF PHASE 2 CONSTRUCTION HAS BEEN COMPLETED AND IS OPENED FOR CUSTOMER USE.
- COORDINATE CONSTRUCTION SCHEDULE WITH HOUSTON AIRPORT SYSTEMS.
- TEMPORARY PARTITIONS SHALL BE INSTALLED PRIOR TO EACH PHASE OF CONSTRUCTION. RE: PLAN FOR LOCATIONS, PARTITION TO BE MIN. 8' AFF. TYP.
- DUST FENCE DETAILS REFER STRUCTURAL SHEETS.
- DURING PHASE 2 CONSTRUCTION, THE WOMEN'S RESTROOM AT GATE D7 WILL TEMPORARILY BE CONVERTED IN MEN'S RESTROOM.

LEGEND

- PHASE 1
- PHASE 2
- PHASE 3



1 CONSTRUCTION PHASING PLAN - CD CONNECTOR DEPARTURES LEVEL
SCALE: 1" = 20'-0"



2 CONSTRUCTION PHASING PLAN - TERMINAL D DEPARTURES LEVEL
SCALE: 1" = 20'-0"

FILE PATH: BIM 360//1429.12_Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:
 PLOT DATE:
 OLD DOA No.:
 DOA DWG FILE:
 PLOT DATE:



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com

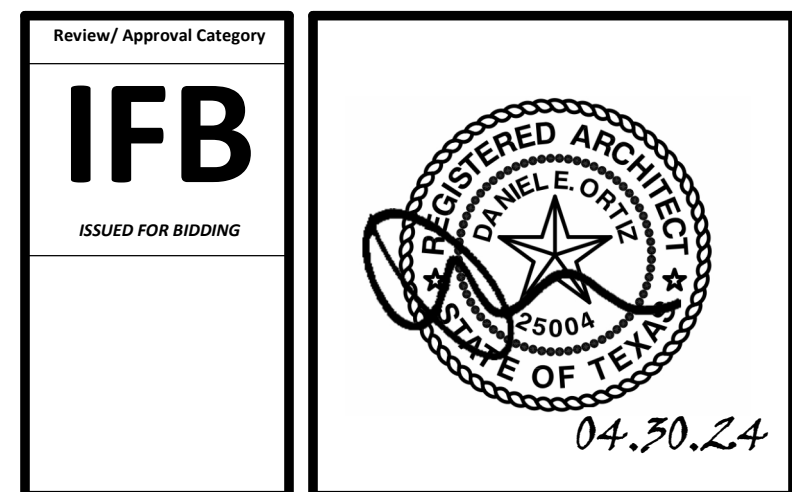


DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

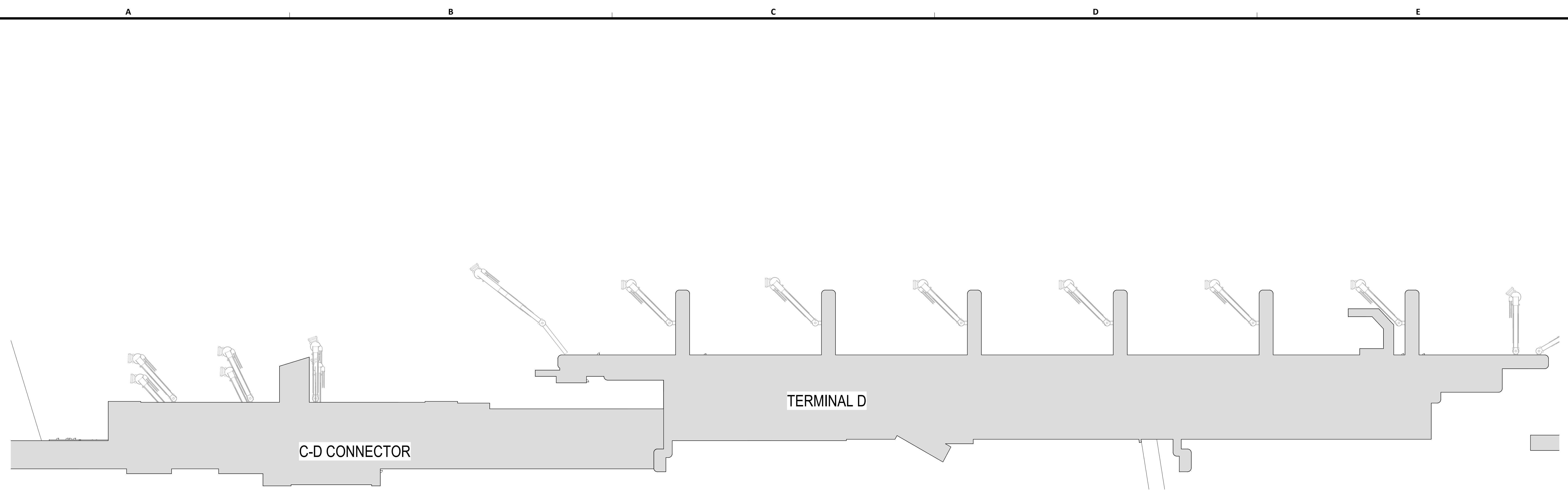
DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

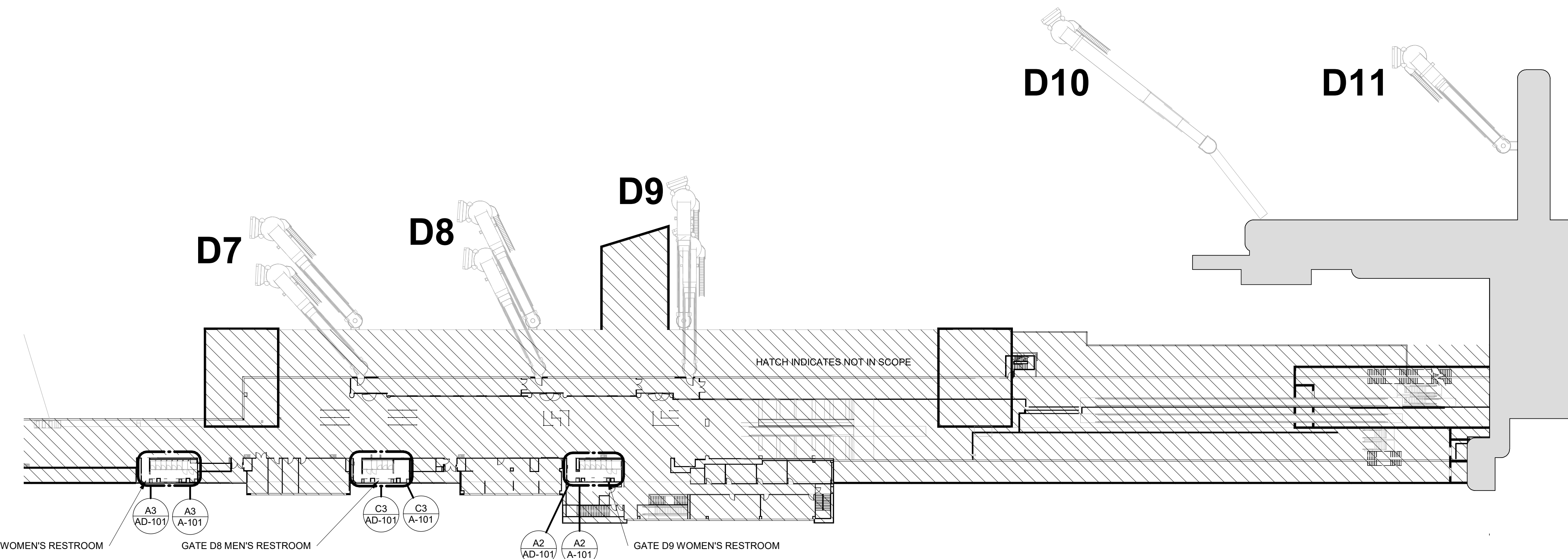


SHEET NAME: **OVERALL PLAN & TERMINAL LEVELS**
SHEET No. **AD-100** SCALE: **As indicated**

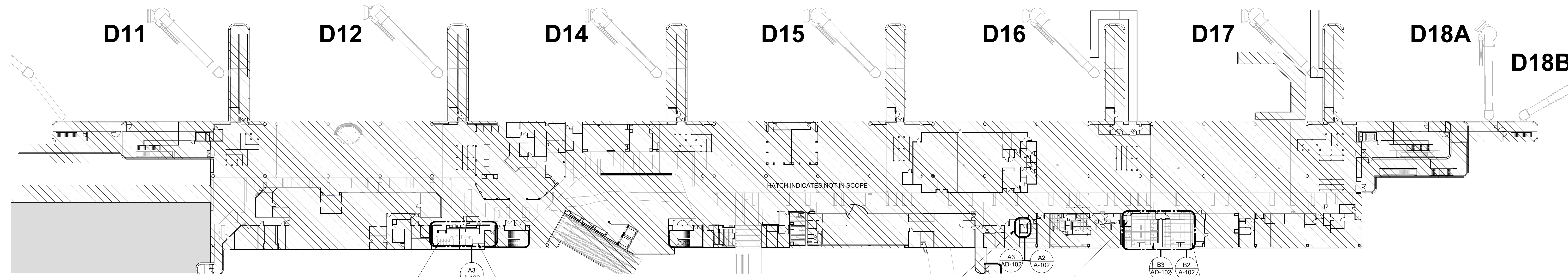
SHEET SIZE: 30"x42" ARCH E1



A3 OVERALL SITE PLAN
SCALE: 1" = 60'-0"

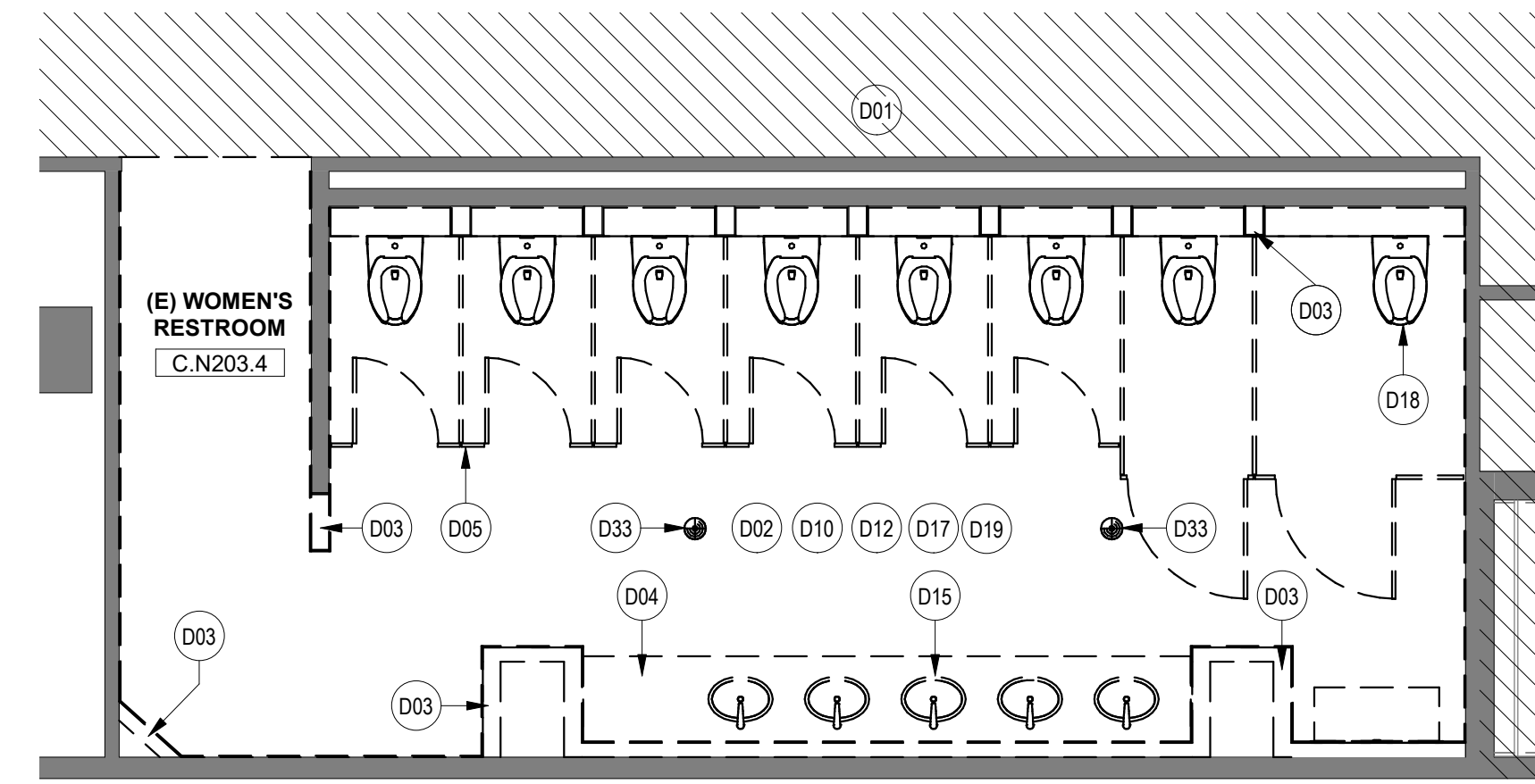


A2 CD CONNECTOR DEPARTURES LEVEL
SCALE: 1" = 40'-0"

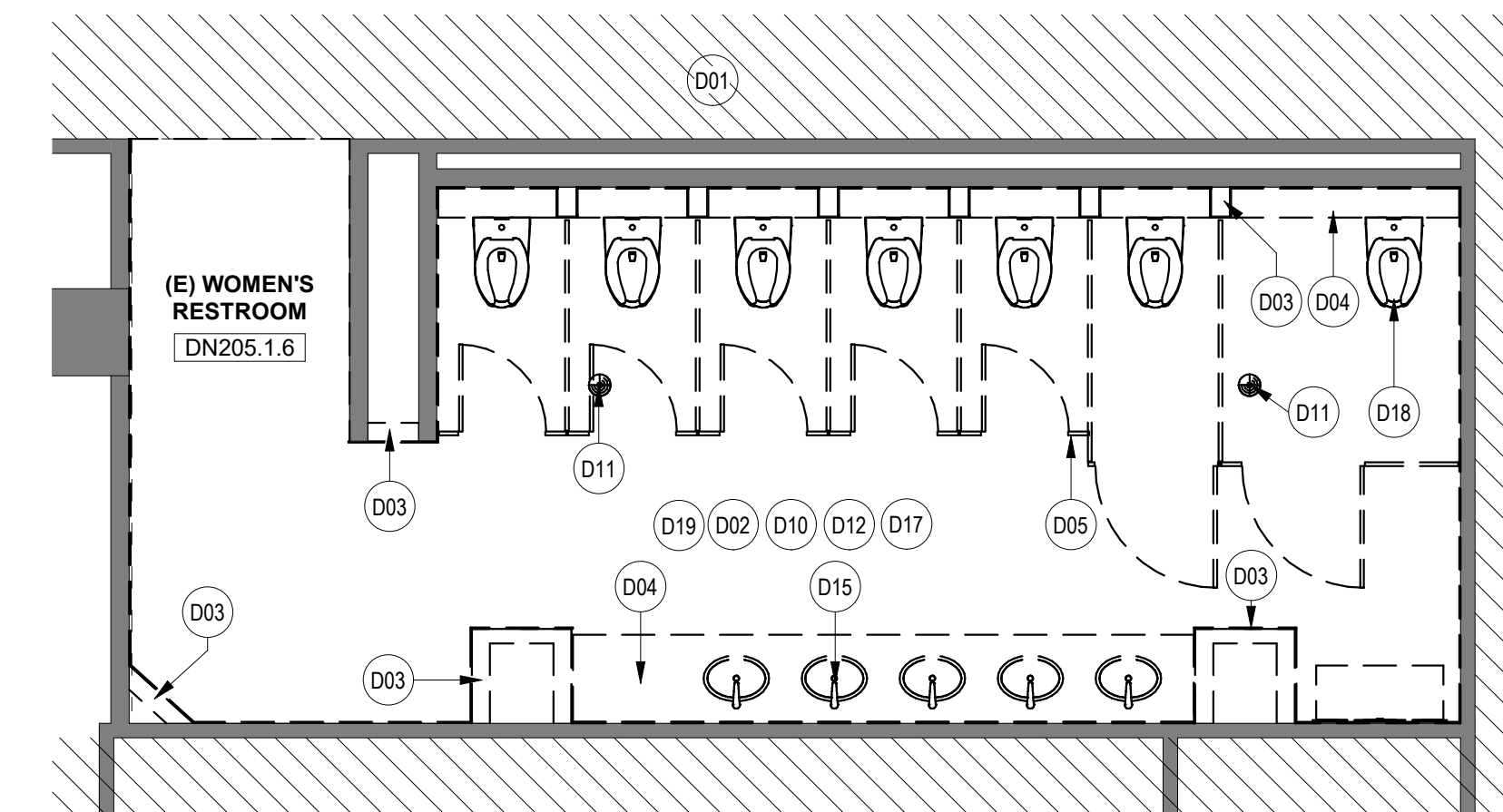


A1 TERMINAL D DEPARTURES LEVEL
SCALE: 1" = 40'-0"

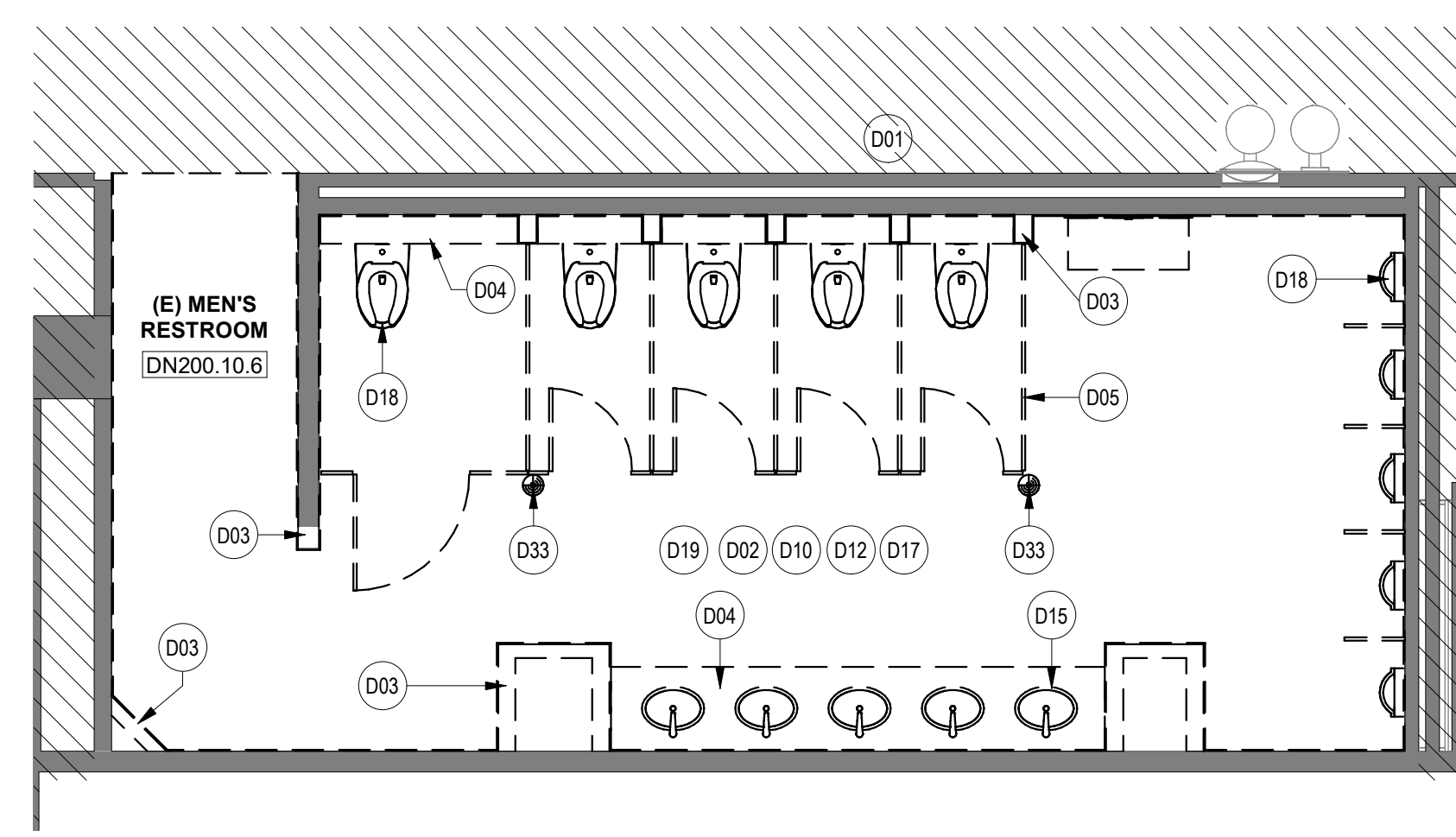
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:



A3 ENLARGED DEMO PLAN - WOMEN'S RESTROOM GATE D07
SCALE: 1/4" = 1'-0"



A2 ENLARGED DEMO PLAN - WOMEN'S RESTROOM GATE D09
SCALE: 1/4" = 1'-0"



C3 ENLARGED DEMO PLAN - MEN'S RESTROOM GATE D08
SCALE: 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

- NOT ALL EXISTING CONDITIONS AND DEVICES/EQUIPMENT ARE REPRESENTED IN THESE PLANS AND THEREFORE THE INTENT OF THE DEMOLITION PLANS ARE TO INDICATE TYPICAL WORK REQUIRED. GENERAL CONTRACTOR TO DETERMINE EXACT QUANTITIES IN THE FIELD.
- EXISTING SURFACE MOUNTED CONDUIT WHERE DEVICES ARE SHOWN TO REMAIN, SHALL BE CONCEALED BEHIND NEW SCHEDULED PARTITION. EXISTING SURFACE MOUNTED POWER OUTLETS, DATA AND THERMOSTATS, NOTED FOR REINSTALLATION, SHALL BE CONVERTED TO RECESSED WITHIN NEW WALL AND PROVIDED WITH A NEW FACE PLATE.
- ALL DOOR FRAMES AT EXISTING AND NEW WALLS TO RECEIVE DOUBLE STUDS AT JAMBS & BOX HEADERS AT HEAD CONDITIONS. VERIFY ROUGH OPENINGS REQUIRED.
- OWNER HAS FIRST RIGHT OF SALVAGE.
- ALL EXISTING FINISHES TO BE REMOVED AND REMAINING SURFACES TO BE REPAIRED AND PREPARED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION, U.N.O
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL IT EQUIPMENT, SMART RESTROOM TECHNOLOGY SHALL BE REMOVED, AND TURNED OVER TO HAS IT BY THE CONTRACTOR.
- CONTRACTOR TO SUBMIT TEMPORARY PROTECTION LAYOUT FOR APPROVAL AND BEFORE STARTING INSTALLING WORK.
- CONTRACTOR SHALL REVIEW AND COORDINATE MEP DEMO AND NEW WORK DRAWINGS FOR ALL THE PLUMBING, ELECTRICAL, LIGHTING FIXTURES, HVAC AND DATA TO REMAIN AND/OR BEING MODIFIED OR NEW WORK TO BE PROVIDED.
- THE CONTRACTOR SHALL CAREFULLY REMOVE EXISTING TRESPA PANELS WHERE REQUIRED PER DRAWINGS. THE TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. TRESPA PANELS ARE HUNG ON CLIPS AND CAN BE LIFTED OFF. CONTRACTOR SHALL CAREFULLY REMOVE EACH PANEL AND CLIP/ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING GYP BOARD TO REMAIN.
- THE CONTRACTOR SHALL COORDINATE WITH TRESPA MANUFACTURER ON THE REMOVAL, MODIFICATION AND REINSTALLATION OF PANELS AS REQUIRED PER DRAWINGS.
- ALL KEY NOTES INSIDE A ROOM WITHOUT LEADERS POINTING SPECIFIC ITEMS ARE TO BE CONSIDERED GENERAL NOTES FOR WORK TO BE REQUIRED IN EACH SPECIFIC ROOM WHERE THESE KEY NOTES ARE SHOWN.
- IN C-D CONNECTOR ALL EQUIPMENT CABINETS TO REMAIN. THE PASSENGER SENSOR COMPONENTS INSIDE THEM NEED TO BE REPLACED AS PER IT DRAWINGS.
- IN ADDITION TO EXISTING CEILING PANEL TO BE REMOVED AT RESTROOMS IN GATES D6, D7 AND D9. THE CONTRACTOR SHALL INCLUDE:
- 50 SF FOR ADDITIONAL CEILING PANEL THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.
- IN ADDITION TO EXISTING FLOORING TILE TO BE REMOVED AT RESTROOMS IN GATES D6 & D7, THE CONTRACTOR SHALL INCLUDE:
- 270 SF FOR ADDITIONAL FLOORING TILE THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
D01	NOT IN SCOPE. EXISTING CONSTRUCTION TO REMAIN AND PROTECT DURING CONSTRUCTION.
D02	REMOVE EXISTING CERAMIC WALL TILE AND EXISTING GYP BD. FROM METAL STUDS INSIDE THIS RESTROOM.
D03	REMOVE EXISTING WALLS
D04	REMOVE EXISTING COUNTERTOP/SHELF
D05	REMOVE ALL EXISTING TOILET PARTITIONS
D10	REMOVE EXISTING FLOOR TILE AND ANY UNDERLAYMENT & PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE.
D11	EXISTING FLOOR DRAIN CAP COVER TO BE REMOVED. FLOOR DRAIN TO REMAIN IN THE SAME PLACE.
D12	EXISTING PLUMBING FIXTURES AND STEEL SUPPORT TO BE REMOVED. PLUMBING LINES TO BE PREPARED/RELOCATED FOR NEW WORK. REFER MEP DRAWINGS.
D15	REMOVE EXISTING LAVATORIES
D17	REMOVE EXISTING ROOM SIGNAGE
D18	REMOVE ALL EXISTING WATER CLOSET URINALS
D19	REMOVE EXISTING CEILING TILE AND GRID. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.
D33	EXISTING FLOOR DRAIN TO BE RELOCATED.

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- REMOVE DOOR AND FRAME
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- RESTROOM IN CD CONNECTOR, FAMILY RR # DN404.9, NURSEY RR # DN404.6.1.1. REMOVE EXISTING WALL FINISH (WALL TILE AND SS PANELS) AND GYP BOARD. EXISTING METAL STUD WALL TO REMAIN.
- FOR RESTROOMS IN TERMINAL D: REMOVE EXISTING TRESPA WALL PANEL SYSTEM. EXISTING GYP BOARD AND EXISTING METAL STUD WALL TO REMAIN. AT GATE 9 RESTROOMS, WHERE NOTE D02 SHOWN, REMOVE TILE AND BACKING GYP BOARD. EXISTING METAL STUD WALL TO REMAIN.
- LIGHT FIXTURES TO BE REMOVED. REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS
800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers
5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com

PGA ENGINEERS, INC

DESIGNER PROJECT No.: _____
PROJECT STATUS: _____ **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: _____ GP
DRAWN BY: _____ GP
CHECKED BY: _____ DO
ISSUE DATE: 03.21.24
APPROVED BY: _____ DO
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

ISSUED FOR BIDDING **IFB**

REGISTERED ARCHITECT
STATE OF TEXAS
04.30.24

SHEET NAME: ENLARGED DEMO PLANS - CD CONNECTOR
SHEET No. AD-101 SCALE: As indicated



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com

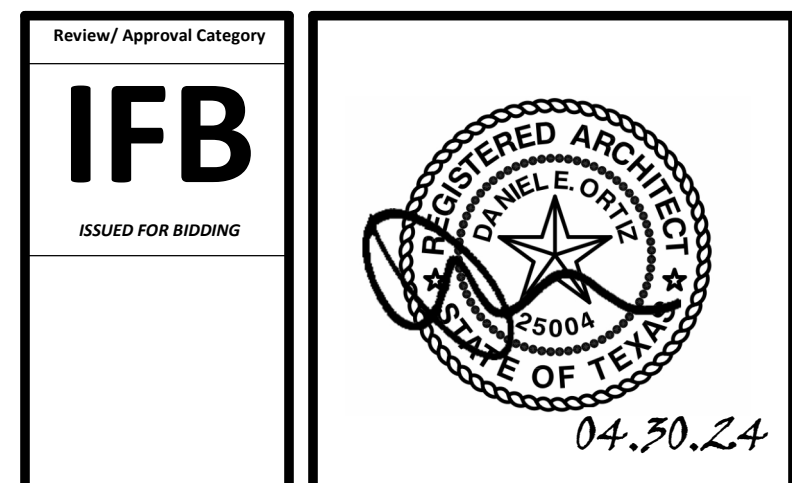


DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME:
ENLARGED DEMO PLANS - TERMINAL D
SHEET No.: AD-102 **SCALE:** As indicated
SHEET SIZE: 30"x42" ARCH E1

DEMOLITION GENERAL NOTES

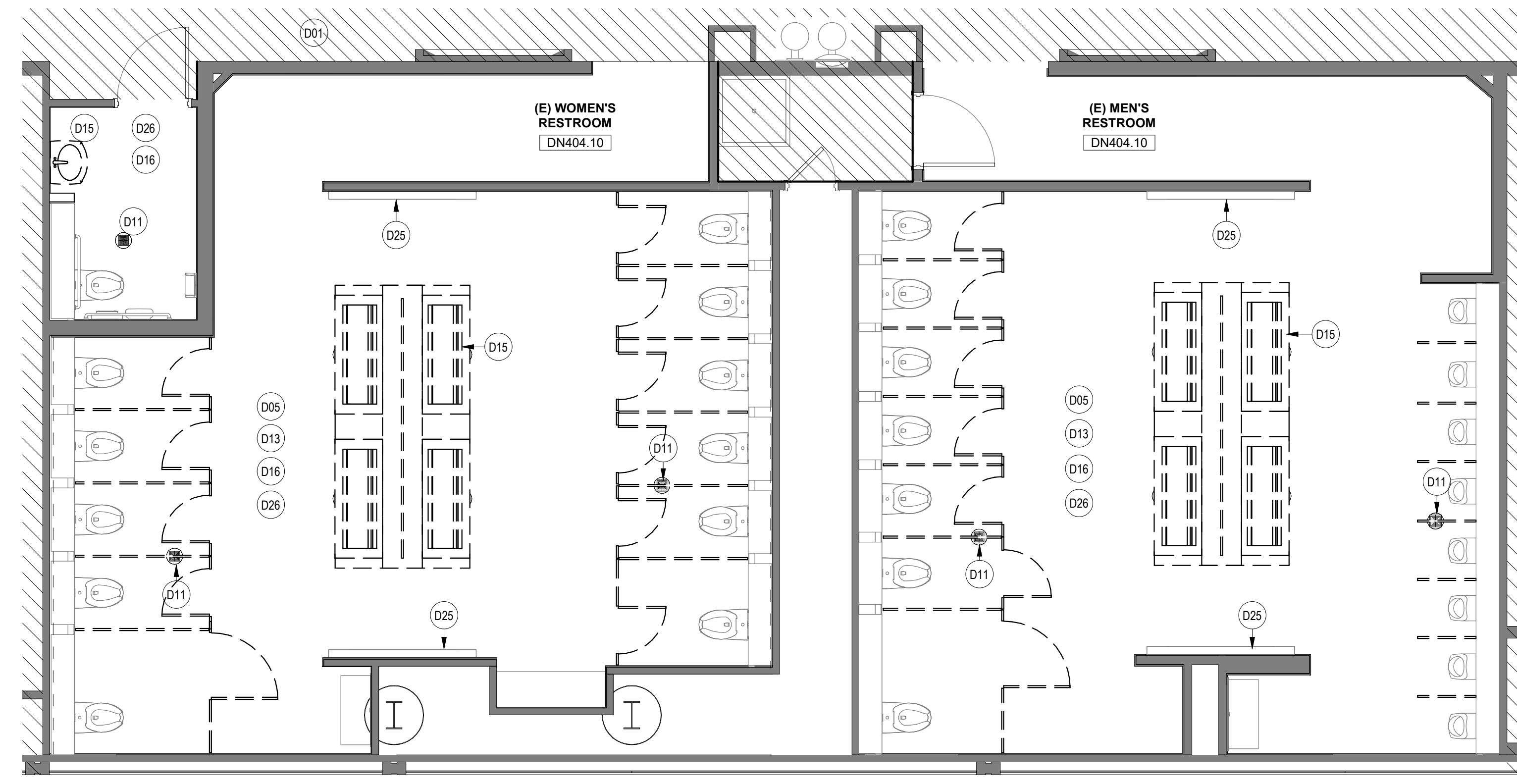
- NOT ALL EXISTING CONDITIONS AND DEVICES/EQUIPMENT ARE REPRESENTED IN THESE PLANS AND THEREFORE THE INTENT OF THE DEMOLITION PLANS ARE TO INDICATE TYPICAL WORK REQUIRED. GENERAL CONTRACTOR TO DETERMINE EXACT QUANTITIES IN THE FIELD.
- EXISTING SURFACE MOUNTED CONDUIT WHERE DEVICES ARE SHOWN TO REMAIN, SHALL BE CONCEALED BEHIND NEW SCHEDULED PARTITION. EXISTING SURFACE MOUNTED POWER OUTLETS, DATA, AND THERMOSTATS, NOTED FOR REINSTALLATION, SHALL BE CONVERTED TO RECESSED WITHIN NEW WALL AND PROVIDED WITH A NEW FACE PLATE.
- ALL DOOR FRAMES AT EXISTING AND NEW WALLS TO RECEIVE DOUBLE STUDS AT JAMBS & BOX HEADERS AT HEAD CONDITIONS. VERIFY ROUGH OPENINGS REQUIRED. OWNER/HAS HAS FIRST RIGHT OF SALVAGE.
- ALL EXISTING FINISHES TO BE REMOVED AND REMAINING SURFACES TO BE REPAIRED AND PREPPED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. UNO
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL IT EQUIPMENT, SMART RESTROOM TECHNOLOGY SHALL BE REMOVED, AND TURNED OVER TO HAS IT BY THE CONTRACTOR.
- CONTRACTOR TO SUBMIT TEMPORARY PROTECTION LAYOUT FOR APPROVAL AND BEFORE STARTING INSTALLING WORK.
- CONTRACTOR SHALL REVIEW AND COORDINATE MEP DEMO AND NEW WORK DRAWINGS FOR ALL THE PLUMBING, ELECTRICAL, LIGHTING FIXTURES, HVAC AND DATA TO REMAIN AND/OR BEING MODIFIED OR NEW WORK TO BE PROVIDED.
- THE CONTRACTOR SHALL CAREFULLY REMOVE EXISTING TRESPA PANELS WHERE REQUIRED PER DRAWINGS. THE TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. TRESPA PANELS ARE HUNG ON CLIPS AND CAN BE LIFTED OFF. CONTRACTOR SHALL CAREFULLY REMOVE EACH PANEL AND CLIP/ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING GYP BOARD TO REMAIN.
- THE CONTRACTOR SHALL COORDINATE WITH TRESPA MANUFACTURER ON THE REMOVAL, MODIFICATION AND REINSTALLATION OF PANELS AS REQUIRED PER DRAWINGS.
- ALL KEY NOTES INSIDE A ROOM WITHOUT LEADERS POINTING SPECIFIC ITEMS ARE TO BE CONSIDERED GENERAL NOTES FOR WORK TO BE REQUIRED IN EACH SPECIFIC ROOM WHERE THESE KEY NOTES ARE SHOWN.
- IN C-D CONNECTOR ALL EQUIPMENT CABINETS TO REMAIN. THE PASSENGER SENSOR COMPONENTS INSIDE THEM NEED TO BE REPLACED AS PER IT DRAWINGS.
- IN ADDITION TO EXISTING CEILING PANEL TO BE REMOVED AT RESTROOMS IN GATES D6, D7 AND D9, THE CONTRACTOR SHALL INCLUDE:
- 560 SF FOR ADDITIONAL CEILING PANEL THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.
- 270 SF FOR ADDITIONAL FLOORING TILE THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.

KEYNOTE LEGEND

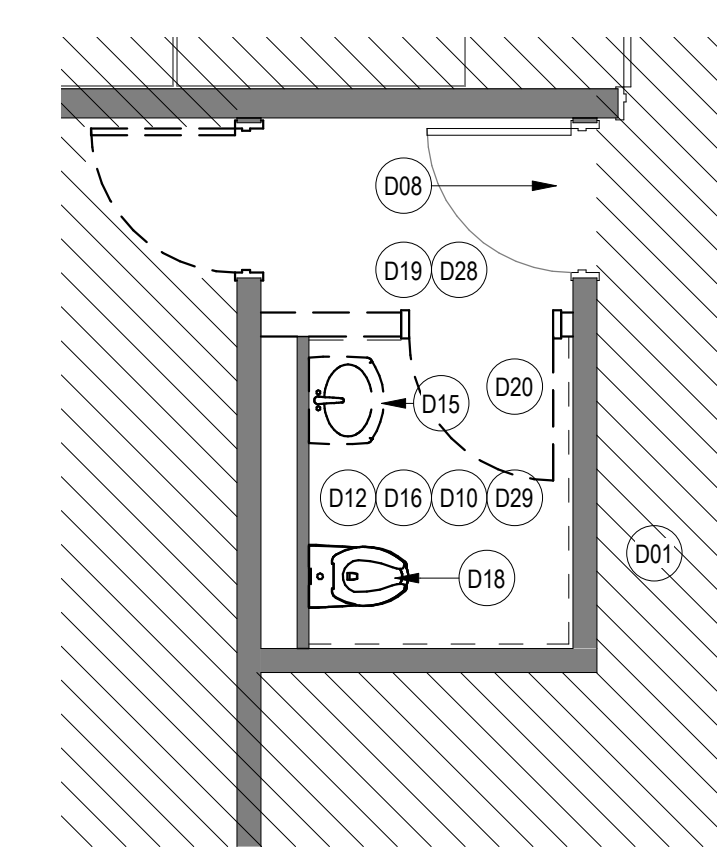
KEY VALUE	KEYNOTE TEXT
D01	NOT IN SCOPE. EXISTING CONSTRUCTION TO REMAIN AND PROTECT DURING CONSTRUCTION.
D05	REMOVE ALL EXISTING TOILET PARTITIONS
D08	EXISTING DOOR TO REMAIN, PROTECT DURING CONSTRUCTION AND REPAIR
D10	REMOVE EXISTING FLOOR TILE AND ANY UNDERLAYMENT & PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE
D11	EXISTING FLOOR DRAIN CAP COVER TO BE REMOVED. FLOOR DRAIN TO REMAIN IN THE SAME PLACE
D12	EXISTING PLUMBING FIXTURES AND STEEL SUPPORT TO BE REMOVED. PLUMBING LINES TO BE PREPARED/RELOCATED FOR NEW WORK. REFER MEP DRAWINGS
D13	EXISTING WATER CLOSET/URINALS AND IN THIS RESTROOM TO BE REMOVED AND SALVAGED FOR REINSTALLATION. STEEL SUPPORT TO REMAIN.
D15	REMOVE EXISTING LAVATORIES
D16	EXISTING TOILET ACCESSORIES TO BE REMOVED AND SALVAGED FOR REINSTALLATION
D18	REMOVE ALL EXISTING WATER CLOSET/URINALS
D19	REMOVE EXISTING CEILING TILE AND GRID. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.
D20	EXISTING GYP. BD. CEILING TO BE REMOVED. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.
D25	REPLACE EXISTING MIRRORS
D26	REMOVE EXISTING TERRAZZO FLOOR AND TERRAZZO WALL BASE. PREPARE SLAB/WALL FOR INSTALLATION OF NEW PORCELAIN FLOOR TILE AND BASE
D28	REMOVE EXISTING VCT FLOORING AND BASE. PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE
D29	REMOVE WALL BASE.

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- REMOVE DOOR AND FRAME
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- RESTROOM IN CD CONNECTOR, FAMILY RR # DN404.9, NURSERY RR # DN404.11:
REMOVE EXISTING WALL FINISH (WALL TILE AND SS PANELS) AND GYP BOARD. EXISTING METAL STUD WALL TO REMAIN.
- FOR RESTROOMS IN TERMINAL D:
REMOVE EXISTING TRESPA WALL PANEL SYSTEM. EXISTING GYP BOARD AND EXISTING METAL STUD WALL TO REMAIN. AT GATE 3 RESTROOMS, WHERE NOTE D02 SHOWN, REMOVE TILE AND BACKING GYP BOARD. EXISTING METAL STUD WALL TO REMAIN.
- LIGHT FIXTURES TO BE REMOVED, REFER MEP DWGS
FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.



B3 ENLARGED DEMO PLAN - MEN & WOMEN'S RR GATE D16-D17
SCALE: 1/4" = 1'-0"



A3 ENLARGED DEMO PLAN - NURSERY RR GATE D16 AREA
SCALE: 1/4" = 1'-0"

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
HAS FILE:
PLOT DATE:
PLOT DATE:
PLOT DATE:
PLOT DATE:
PLOT DATE:
PLOT DATE:



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com

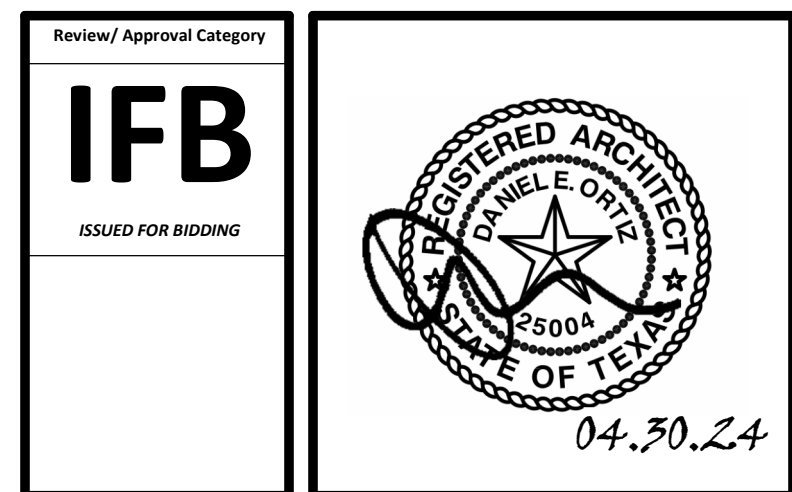


DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: ENLARGED DEMO RCP PLANS - CD CONNECTOR
SHEET No. AD-141 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

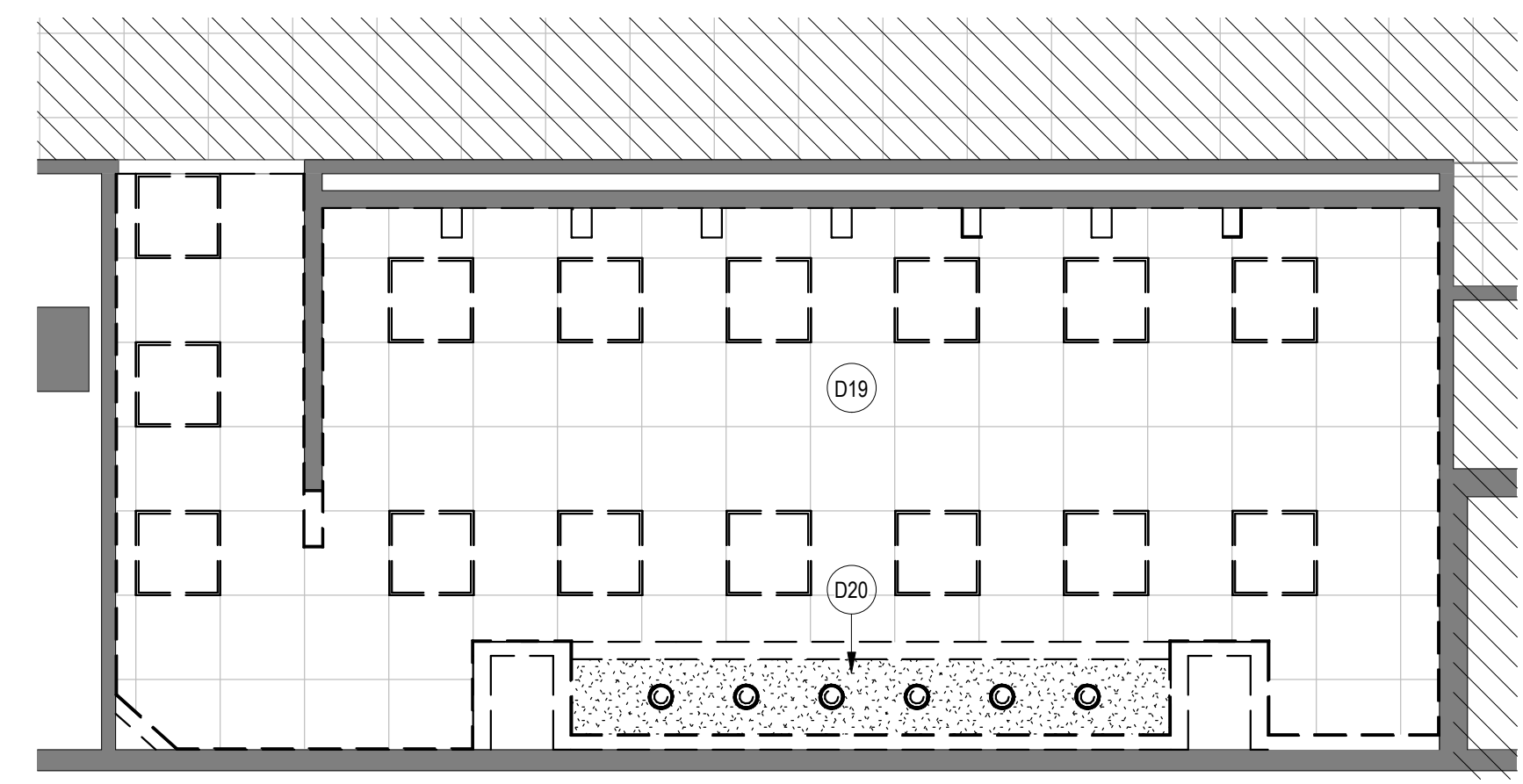
DEMOLITION GENERAL NOTES

- NOT ALL EXISTING CONDITIONS AND DEVICES/EQUIPMENT ARE REPRESENTED IN THESE PLANS AND THEREFORE THE INTENT OF THE DEMOLITION PLANS ARE TO INDICATE TYPICAL WORK REQUIRED. GENERAL CONTRACTOR TO DETERMINE EXACT QUANTITIES IN THE FIELD.
- EXISTING SURFACE MOUNTED CONDUIT WHERE DEVICES ARE SHOWN TO REMAIN, SHALL BE CONCEALED BEHIND NEW SCHEDULES PARTITION. EXISTING SURFACE MOUNTED POWER OUTLETS, DATA, AND THERMOSTATS, NOTED FOR REINSTALLATION, SHALL BE CONVERTED TO RECESSED WITHIN NEW WALL AND PROVIDED WITH A NEW FACE PLATE.
- ALL DOOR FRAMES AT EXISTING AND NEW WALLS TO RECEIVE DOUBLE STUDS AT JAMBS & BOX HEADERS AT HEAD CONDITIONS. VERIFY ROUGH OPENINGS REQUIRED. OWNER HAS FIRST RIGHT OF SALVAGE.
- ALL EXISTING FINISHES TO BE REMOVED AND REMAINING SURFACES TO BE REPAIRED AND PREPARED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION, U.N.O
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL IT EQUIPMENT, SMART RESTROOM TECHNOLOGY SHALL BE REMOVED, AND TURNED OVER TO HAS IT BY THE CONTRACTOR.
- CONTRACTOR TO SUBMIT TEMPORARY PROTECTION LAYOUT FOR APPROVAL AND BEFORE STARTING INSTALLING WORK.
- CONTRACTOR SHALL REVIEW AND COORDINATE MEP DEMO AND NEW WORK DRAWINGS FOR ALL THE PLUMBING, ELECTRICAL, LIGHTING FIXTURES, HVAC AND DATA TO REMAIN AND/OR BEING MODIFIED OR NEW WORK TO BE PROVIDED.
- THE CONTRACTOR SHALL CAREFULLY REMOVE EXISTING TRESPA PANELS WHERE REQUIRED PER DRAWINGS. THE TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. TRESPA PANELS ARE HUNG ON CLIPS AND CAN BE LIFTED OFF. CONTRACTOR SHALL CAREFULLY REMOVE EACH PANEL AND CLIP/ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING GYP BOARD TO REMAIN.
- THE CONTRACTOR SHALL COORDINATE WITH TRESPA MANUFACTURER ON THE REMOVAL, MODIFICATION AND REINSTALLATION OF PANELS AS REQUIRED PER DRAWINGS.
- ALL KEY NOTES INSIDE A ROOM WITHOUT LEADERS POINTING SPECIFIC ITEMS ARE TO BE CONSIDERED GENERAL NOTES FOR WORK TO BE REQUIRED IN EACH SPECIFIC ROOM WHERE THESE KEY NOTES ARE SHOWN.
- IN C/D CONNECTOR ALL EQUIPMENT CABINETS TO REMAIN. THE PASSENGER SENSOR COMPONENTS INSIDE THEM NEED TO BE REPLACED AS PER IT DRAWINGS.
- IN ADDITION TO EXISTING CEILING PANEL TO BE REMOVED AT RESTROOMS IN GATES D6, D7 AND D9. THE CONTRACTOR SHALL INCLUDE:
- 560 SF FOR ADDITIONAL CEILING PANEL THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.
- IN ADDITION TO EXISTING FLOORING TILE TO BE REMOVED AT RESTROOMS IN GATES D6 & D7. THE CONTRACTOR SHALL INCLUDE:
- 270 SF FOR ADDITIONAL FLOORING TILE THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.

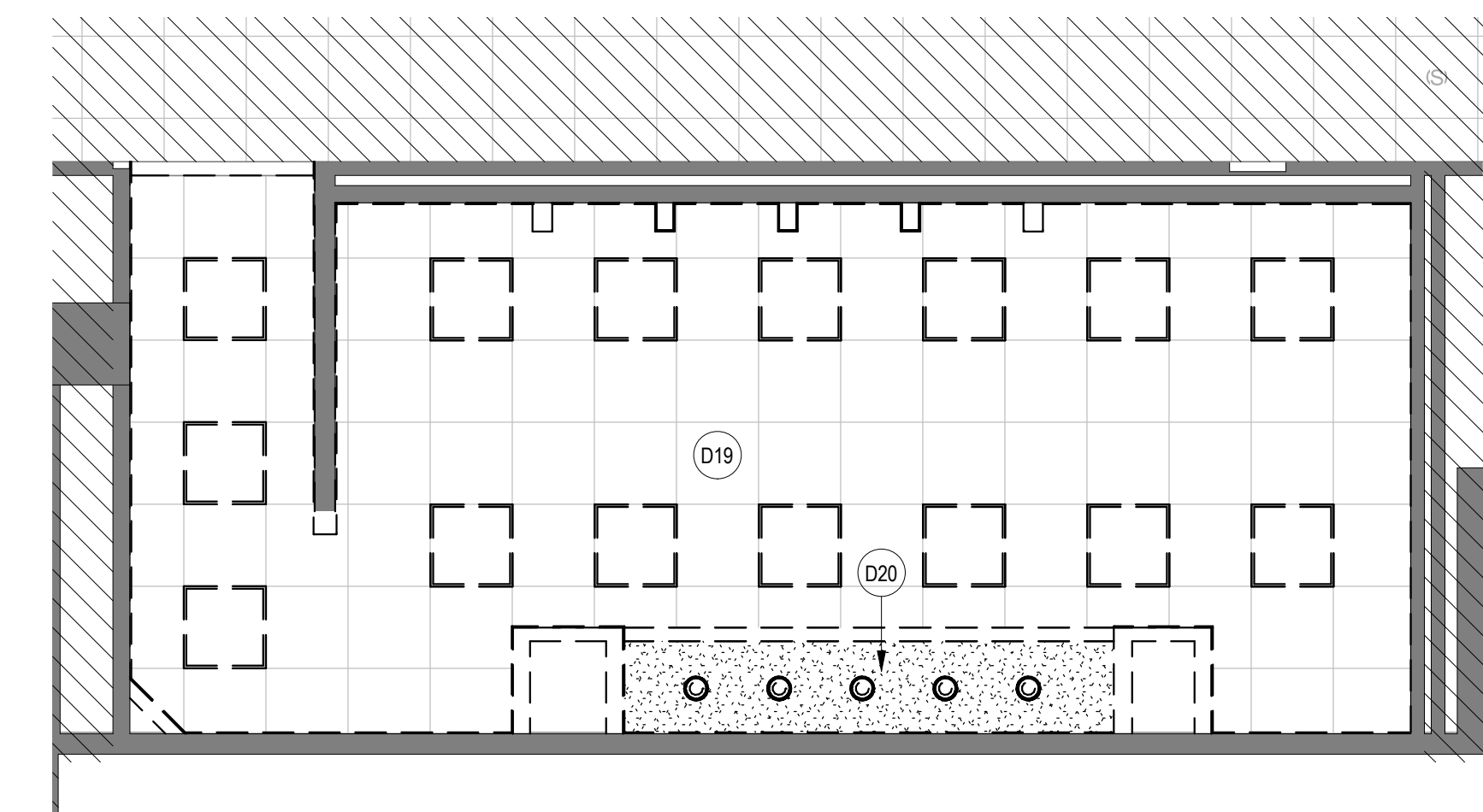
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
D19	REMOVE EXISTING CEILING TILE AND GRID. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.
D20	EXISTING GYP, BD, CEILING TO BE REMOVED. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.

DEMOLITION LEGEND

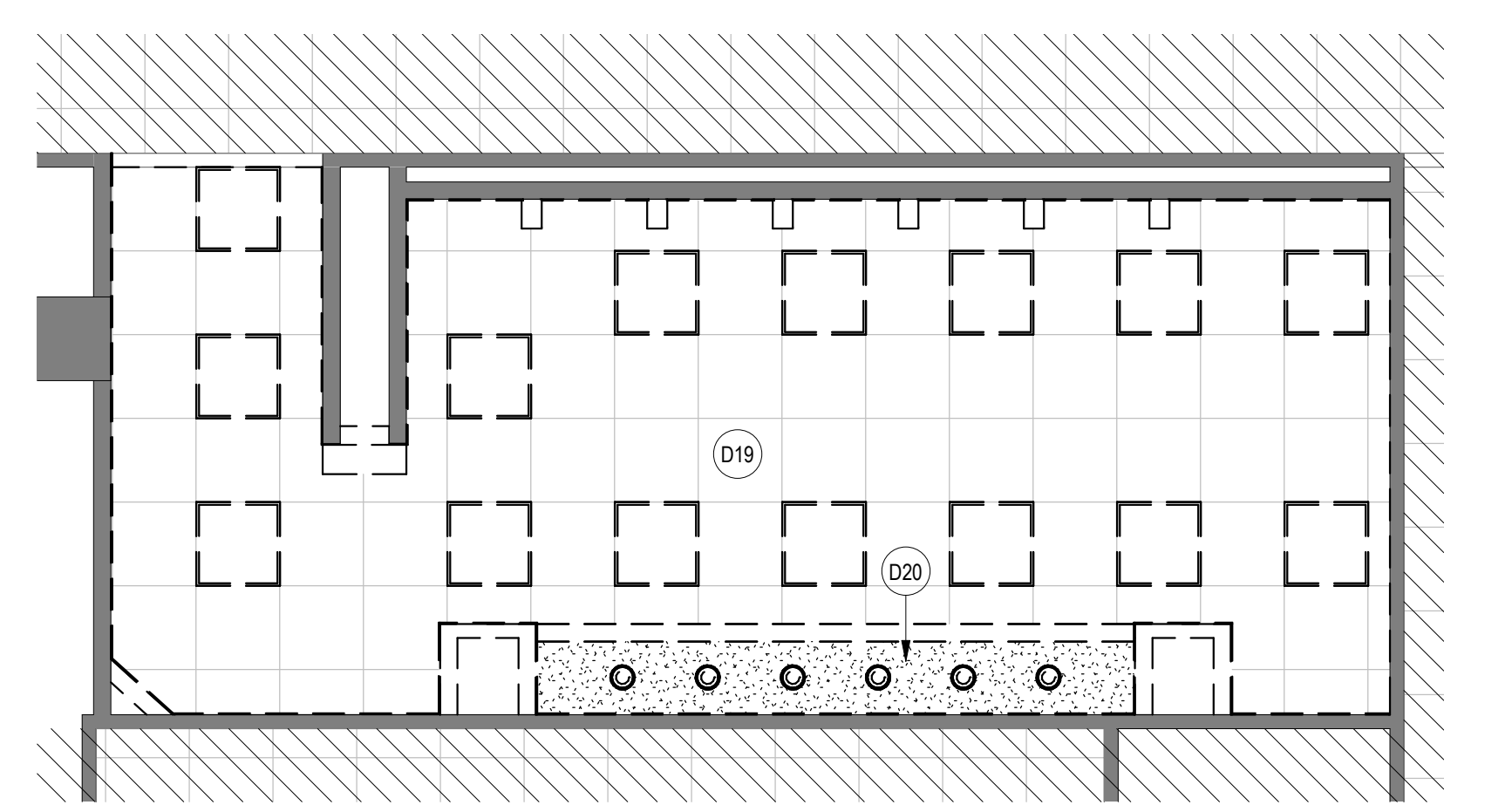
- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- REMOVE DOOR AND FRAME
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- RESTROOM IN CD CONNECTOR, FAMILY RR # DN404.9, NURSEY RR # DN404.6.1.1:
REMOVE EXISTING WALL FINISH (WALL TILE AND SS PANELS) AND GYP BOARD. EXISTING METAL STUD WALL TO REMAIN.
- FOR RESTROOMS IN TERMINAL D:
REMOVE EXISTING TRESPA WALL PANEL SYSTEM. EXISTING GYP BOARD AND EXISTING METAL STUD WALL TO REMAIN. AT GATE 9 RESTROOMS, WHERE NOTE D02 SHOWN, REMOVE TILE AND BACKING GYP BOARD. EXISTING METAL STUD WALL TO REMAIN.
- LIGHT FIXTURES TO BE REMOVED, REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.



A3 DEMO RCP - WOMEN'S RR GATE D07
SCALE: 1/4" = 1'-0"

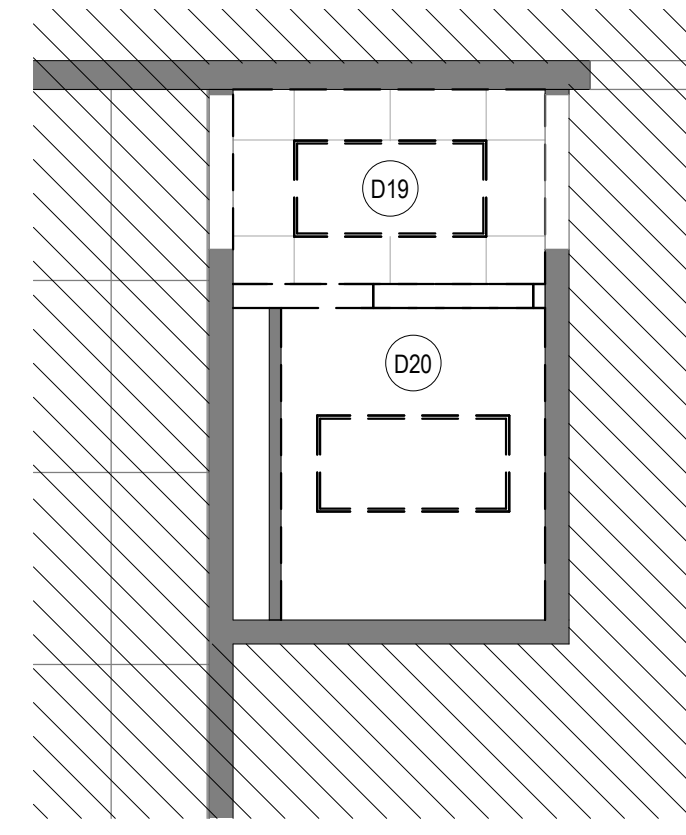


C3 DEMO RCP - MENS RR GATE D08
SCALE: 1/4" = 1'-0"



A2 DEMO RCP - WOMEN'S RR GATE D09
SCALE: 1/4" = 1'-0"

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:
 PLOT DATE:



A4 DEMO RCP - NURSERY RR GATE D16 AREA
SCALE: 1/4" = 1'-0"

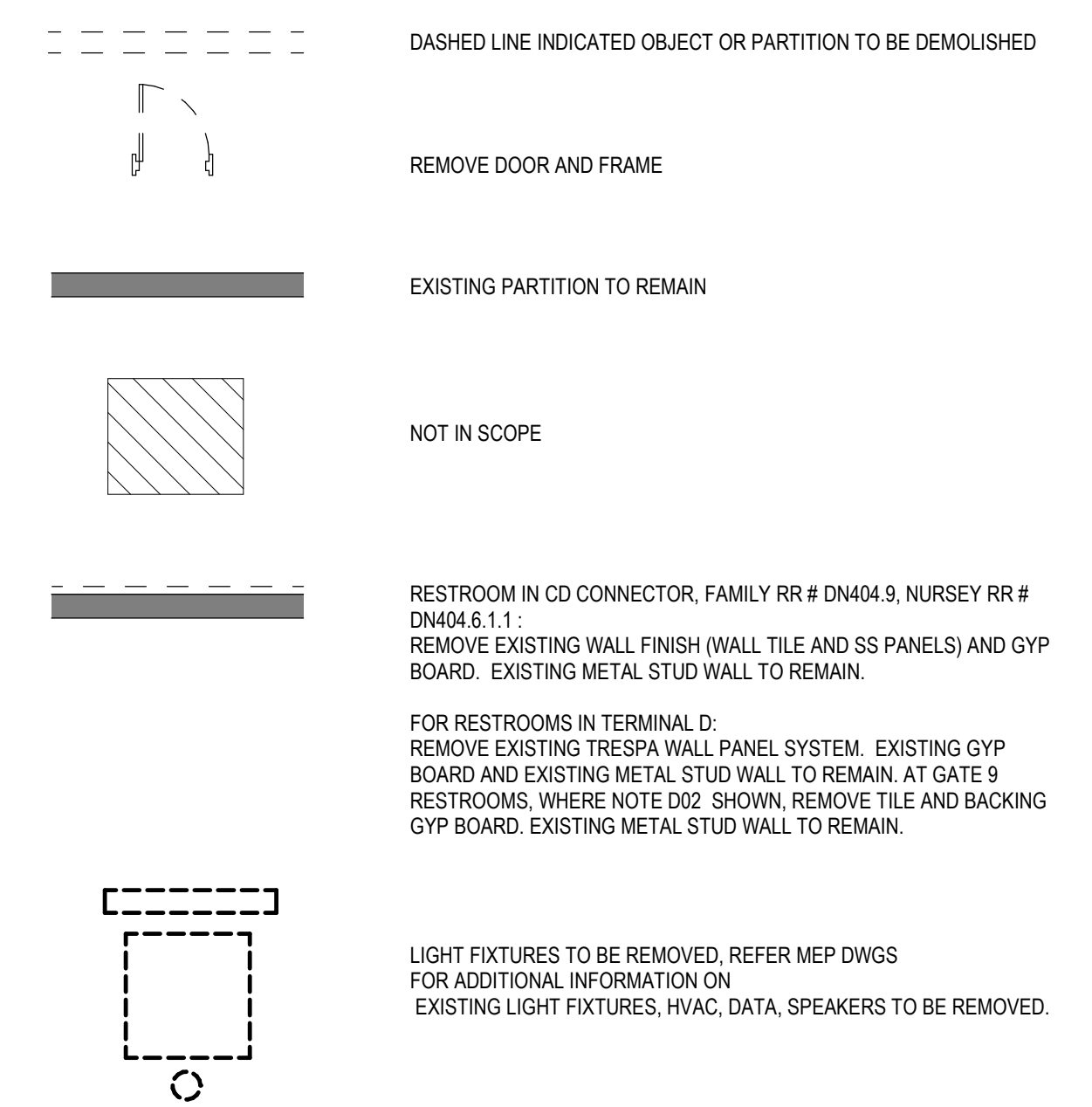
DEMOLITION GENERAL NOTES

- NOT ALL EXISTING CONDITIONS AND DEVICES/EQUIPMENT ARE REPRESENTED IN THESE PLANS AND THEREFORE THE INTENT OF THE DEMOLITION PLANS ARE TO INDICATE TYPICAL WORK REQUIRED. GENERAL CONTRACTOR TO DETERMINE EXACT QUANTITIES IN THE FIELD.
- EXISTING SURFACE MOUNTED CONDUIT WHERE DEVICES ARE SHOWN TO REMAIN, SHALL BE CONCEALED BEHIND NEW SCHEDULES PARTITION. EXISTING SURFACE MOUNTED POWER OUTLETS, DATA, AND THERMOSTATS, NOTED FOR REINSTALLATION, SHALL BE CONVERTED TO RECESSED WITHIN NEW WALL AND PROVIDED WITH A NEW FACE PLATE.
- ALL DOOR FRAMES AT EXISTING AND NEW WALLS TO RECEIVE DOUBLE STUDS AT JAMES & BOX HEADERS AT HEAD CONDITIONS. VERIFY ROUGH OPENINGS REQUIRED. OWNER HAS FIRST RIGHT OF SALVAGE.
- ALL EXISTING FINISHES TO BE REMOVED AND REMAINING SURFACES TO BE REPAIRED AND TREPPEED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION, UNLESS NOTED OTHERWISE.
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL IT EQUIPMENT, SMART RESTROOM TECHNOLOGY SHALL BE REMOVED, AND TURNED OVER TO HAS IT BY THE CONTRACTOR.
- CONTRACTOR TO SUBMIT TEMPORARY PROTECTION LAYOUT FOR APPROVAL AND BEFORE STARTING INSTALLING WORK.
- CONTRACTOR SHALL REVIEW AND COORDINATE MEP DEMO AND NEW WORK DRAWINGS FOR ALL THE PLUMBING, ELECTRICAL, LIGHTING FIXTURES, HVAC AND DATA TO REMAIN AND/OR BEING MODIFIED OR NEW WORK TO BE PROVIDED.
- THE CONTRACTOR SHALL CAREFULLY REMOVE EXISTING TRESPA PANELS WHERE REQUIRED PER DRAWINGS. THE TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. TRESPA PANELS ARE HUNG ON CLIPS AND CAN BE LIFTED OFF. CONTRACTOR SHALL CAREFULLY REMOVE EACH PANEL AND CLIP/ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING GYP BOARD TO REMAIN.
- THE CONTRACTOR SHALL COORDINATE WITH TRESPA MANUFACTURER ON THE REMOVAL, MODIFICATION AND REINSTALLATION OF PANELS AS REQUIRED PER DRAWINGS.
- ALL KEY NOTES INSIDE A ROOM WITHOUT LEADERS POINTING SPECIFIC ITEMS ARE TO BE CONSIDERED GENERAL NOTES FOR WORK TO BE REQUIRED IN EACH SPECIFIC ROOM WHERE THESE KEY NOTES ARE SHOWN.
- IN C-D CONNECTOR ALL EQUIPMENT CABINETS TO REMAIN. THE PASSENGER SENSOR COMPONENTS INSIDE THEM NEED TO BE REPLACED AS PER IT DRAWINGS.
- IN ADDITION TO EXISTING CEILING PANEL TO BE REMOVED AT RESTROOMS IN GATES D6, D7 AND D9, THE CONTRACTOR SHALL INCLUDE:
- 560 SF FOR ADDITIONAL CEILING PANEL THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.
- IN ADDITION TO EXISTING FLOORING TILE TO BE REMOVED AT RESTROOMS IN GATES D6 & D7, THE CONTRACTOR SHALL INCLUDE:
- 270 SF FOR ADDITIONAL FLOORING TILE THAT MAY BE IN POOR CONDITION AND WE MAY NEED TO REPLACE DURING CONSTRUCTION.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
D19	REMOVE EXISTING CEILING TILE AND GRID. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.
D20	EXISTING GYP. CEILING TO BE REMOVED. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.

DEMOLITION LEGEND



HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com

PGA ENGINEERS, INC

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

REGISTERED ARCHITECT
DANIEL E. ORTIZ
25007
STATE OF TEXAS
04.30.24

SHEET NAME: ENLARGED DEMO RCP PLANS - TERMINAL D

SHEET No.: AD-142 **SCALE:** As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No.:



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com

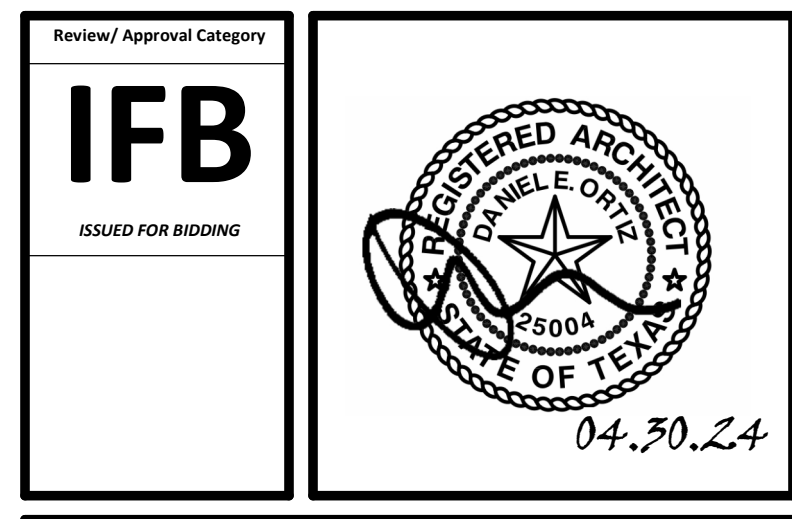
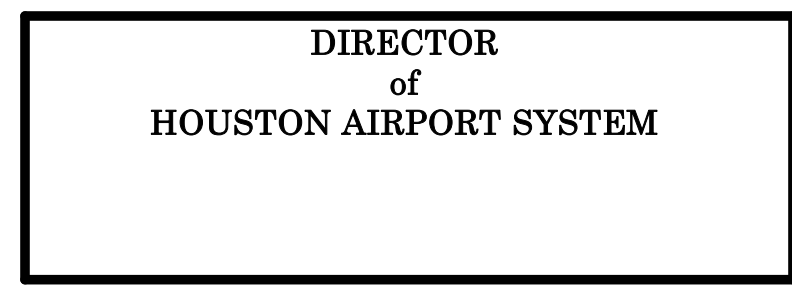


DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**



SHEET NAME: ENLARGED RR FLOOR PLANS - CD
CONNECTOR
SHEET No. A-101 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

FLOOR PLAN GENERAL NOTES

- REFER TO SHEET G-002 FOR KEY TO SYMBOLS LEGEND AND ABBREVIATIONS. REFER TO SHEET G-003 FOR GENERAL NOTES. REFER TO G-010 G-011 FOR PARTITION TYPES FIRESAFING DETAILS
- ALL LOCATIONS OF ELECTRICAL DEVICES SHALL BE VERIFIED IN THE FIELD WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
- PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
- INSTALL CEMENT BOARD FOR INSTALLATION OF NEW TILE.
- EXISTING HM FRAME TO BE PAINTED.
- THE CONTRACTOR SHALL CAREFULLY REMOVE EXISTING TRESPA PANELS WHERE REQUIRED PER DRAWINGS. THE TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. TRESPA PANELS ARE HUNG ON CLIPS AND CAN BE LIFTED OFF. CONTRACTOR SHALL CAREFULLY REMOVE EACH PANEL AND CLIP ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING CVP BOARD TO REMAIN.
- THE CONTRACTOR SHALL COORDINATE WITH TRESPA MANUFACTURER ON THE REMOVAL, MODIFICATION AND REINSTALLATION OF PANELS AS REQUIRED PER DRAWINGS.

KEYNOTE LEGEND

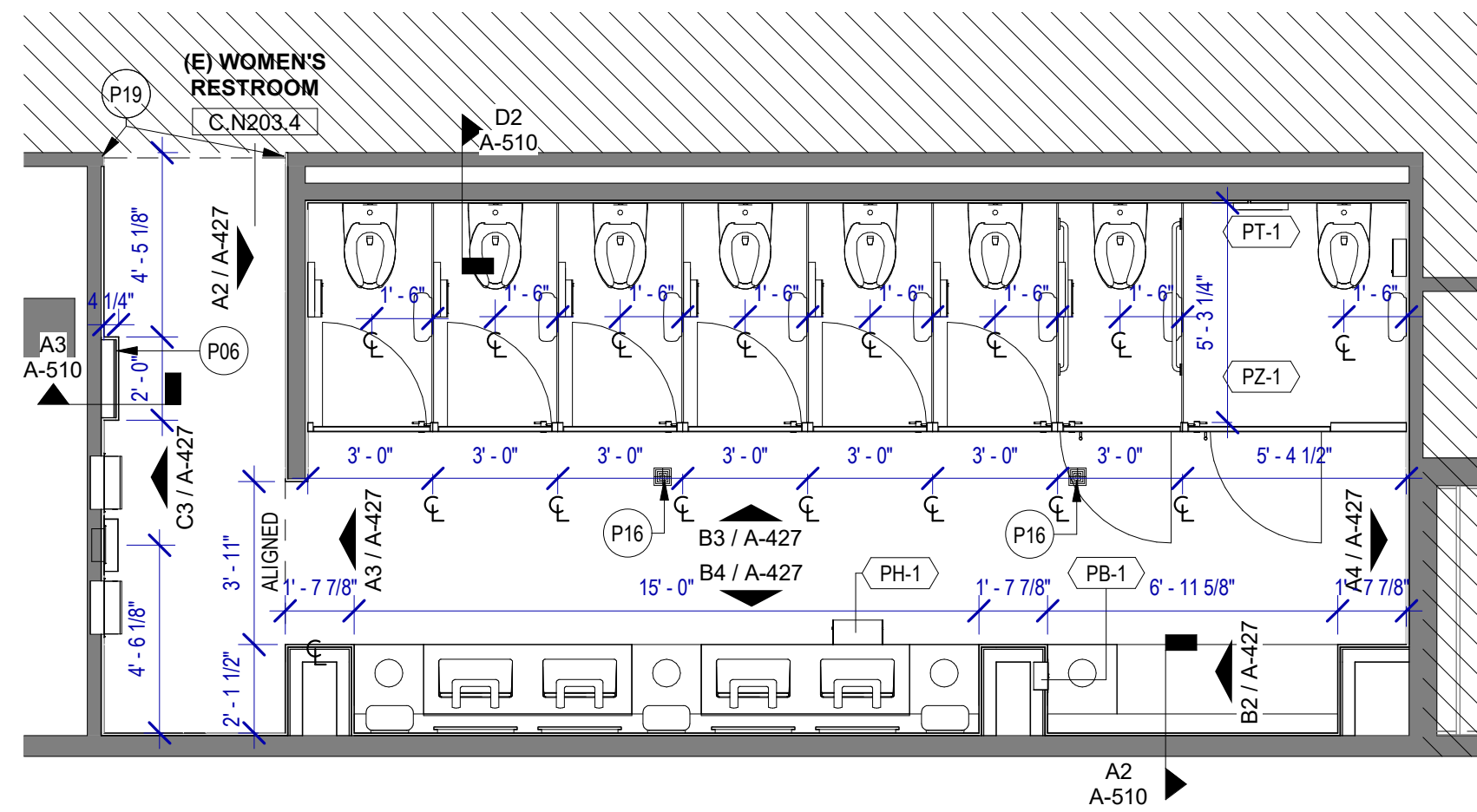
KEY VALUE	KEYNOTE TEXT
P06	CUSTOMER SERVICE TABLET WITH NO CAMERA DOCKING STATION. RE: A-420 FOR TYPICAL ELEVATION
P16	NEW FLOOR DRAIN CAP COVER
P19	RECESSED WALL MOUNTED BELT STANCHION AND CLOSURE LATCH
P22	NEW DRAIN LOCATION. NEW DRAIN CAP COVER

TOILET ACCESSORIES

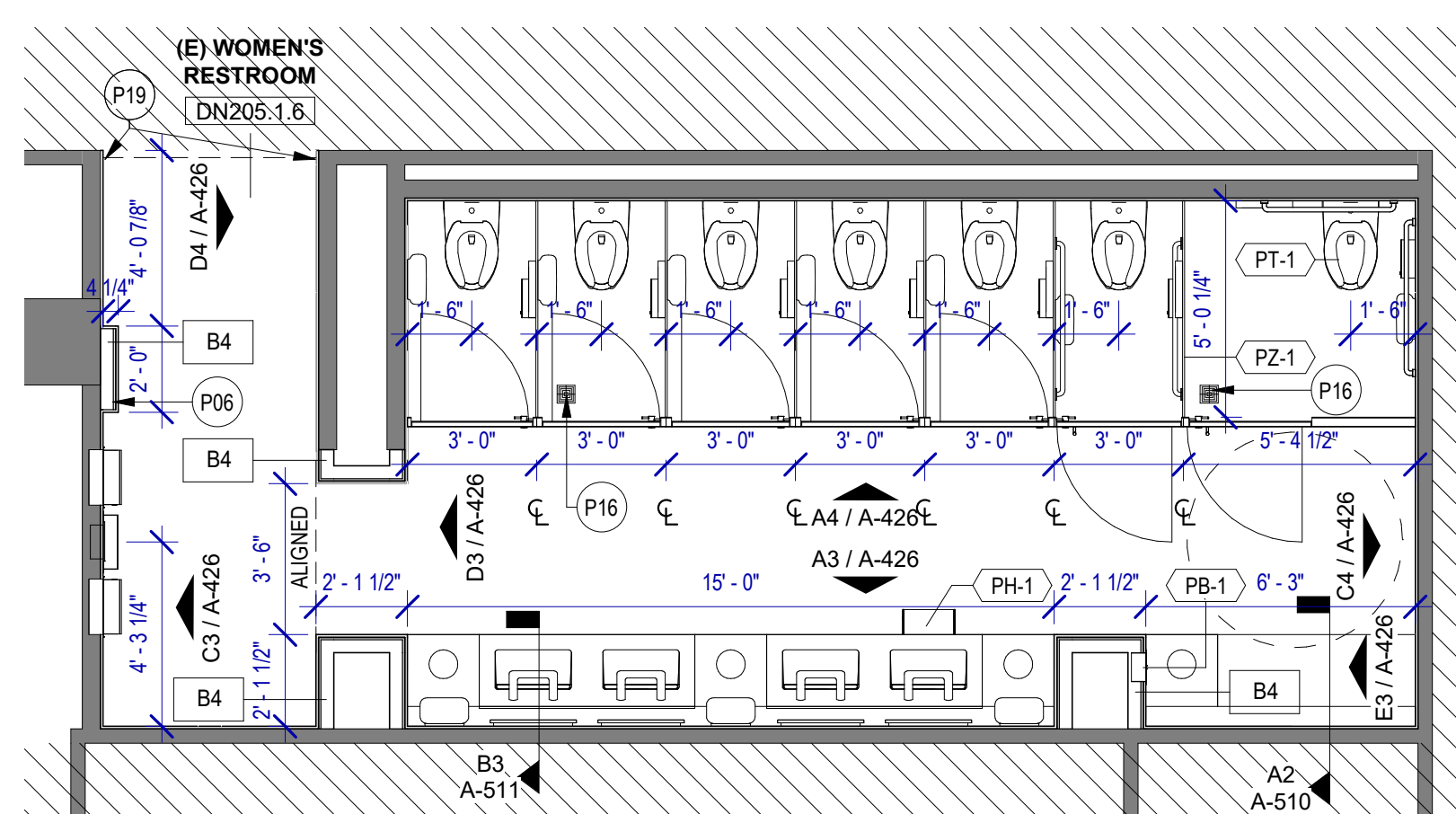
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRILINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TEU2LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE. 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B

PLUMBING FIXTURES

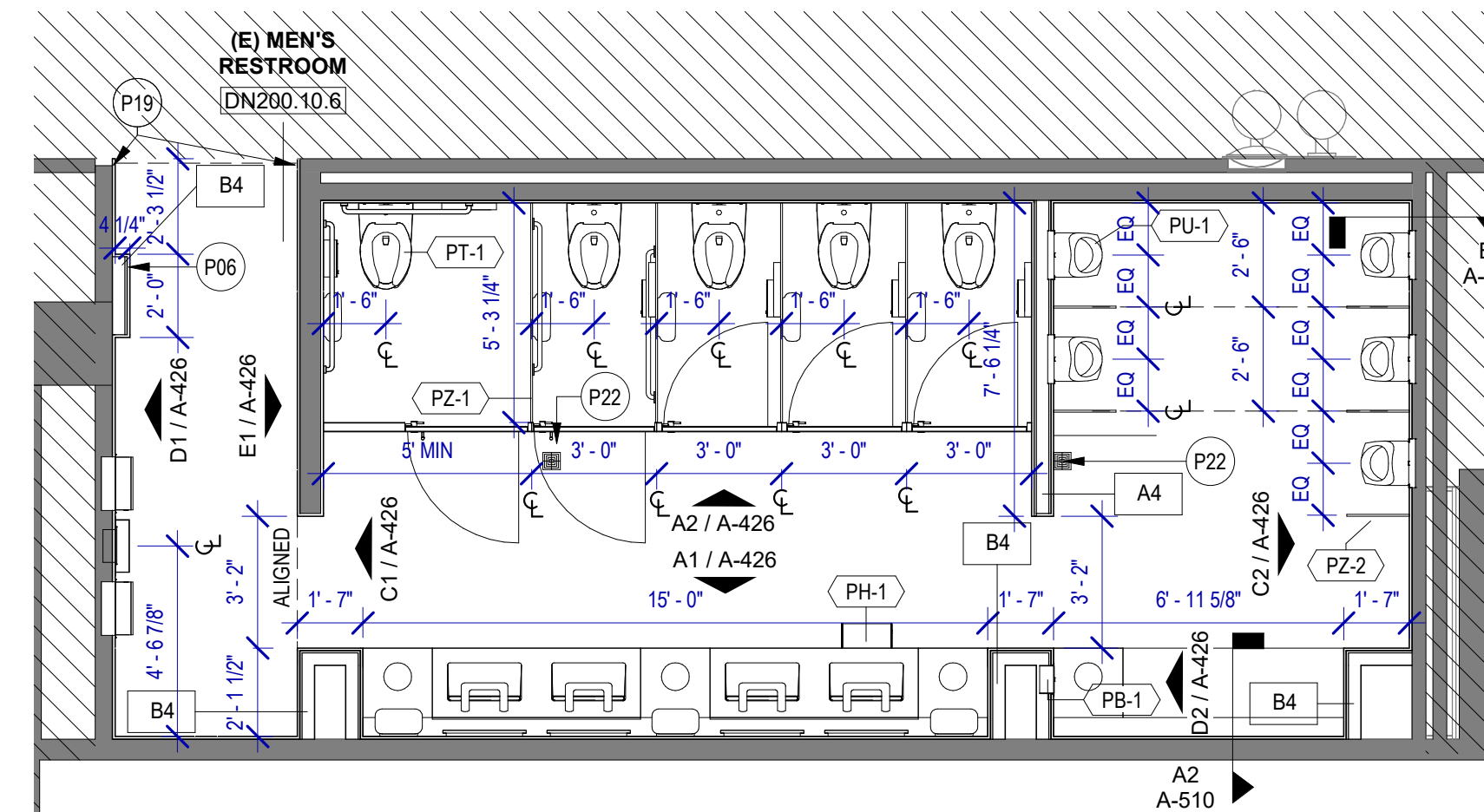
- PL-1 BRADLEY WB-TR1 TERREON UNDERMOUNT KIT
- PL-2 BRADLEY OMNIDECK LD-5010
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION



A3 WOMEN'S RESTROOM GATE D7 AREA
SCALE: 1/4" = 1'-0"

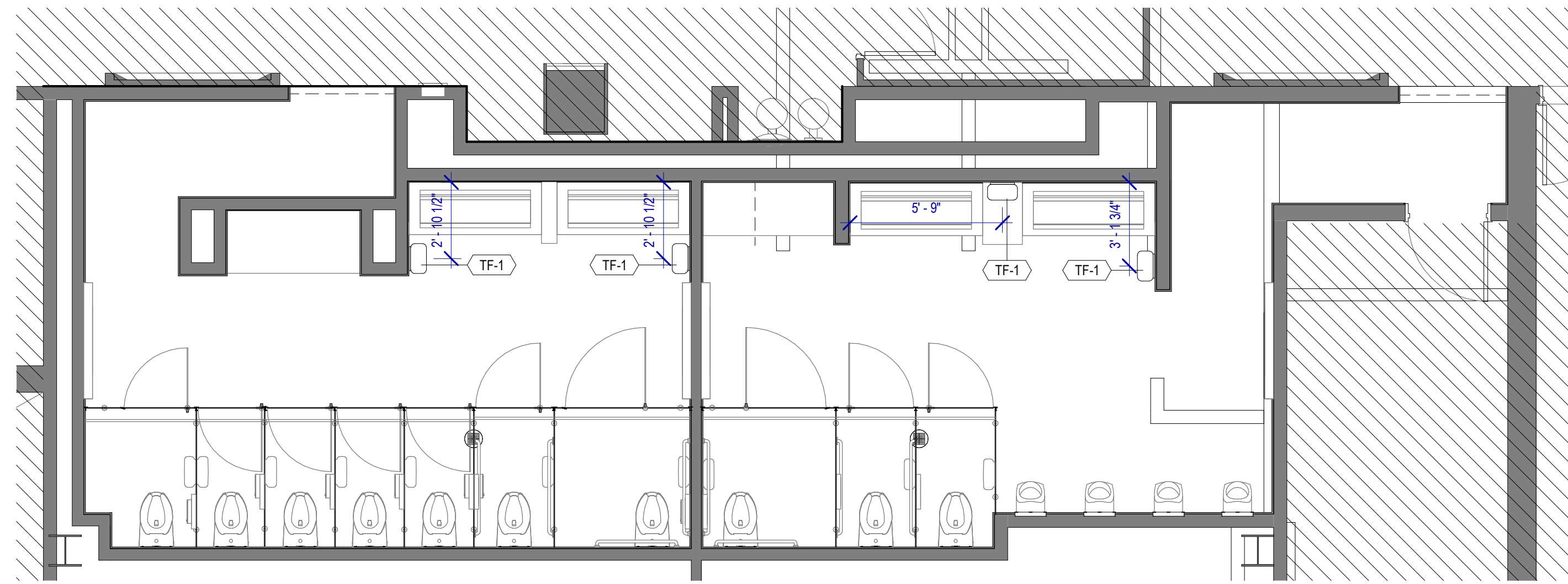


A2 WOMEN'S RESTROOM GATE D9 AREA
SCALE: 1/4" = 1'-0"

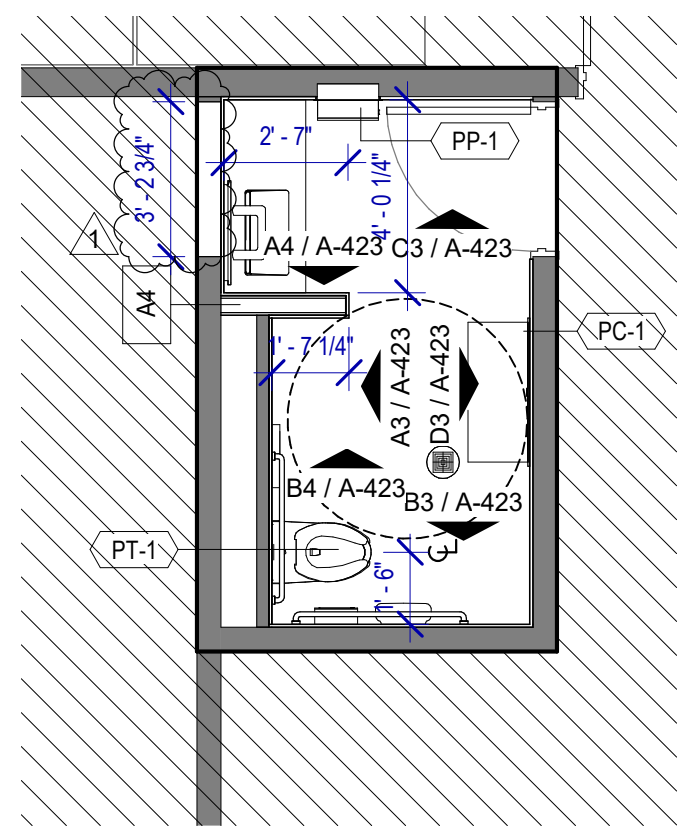


C3 MEN'S RESTROOM GATE D8 AREA
SCALE: 1/4" = 1'-0"

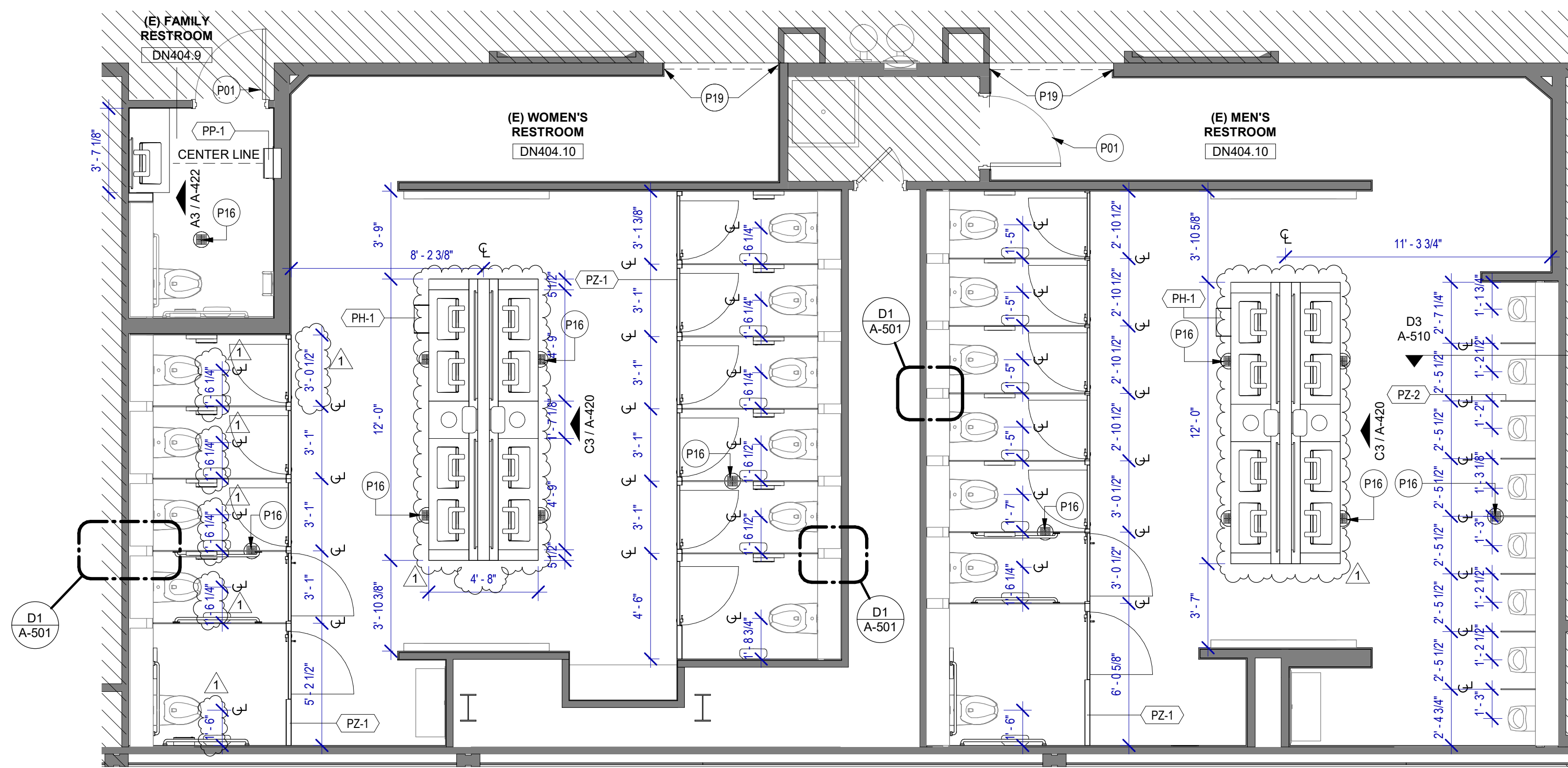
PLOT DATE: DOA DWG FILE: PLOT DATE: HAS FILE: FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt



A3 ENLARGED PLAN - MEN & WOMEN'S RR GATE D10-D12
SCALE: 1/4" = 1'-0"



A2 ENLARGED PLAN - NURSERY RR GATE D16 AREA
SCALE: 1/4" = 1'-0"



B2 ENLARGED PLAN - MEN & WOMEN'S RR GATE D16-D17
SCALE: 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

- REFER TO SHEET G-002 FOR KEY TO SYMBOLS LEGEND AND ABBREVIATIONS. REFER TO SHEET G-003 FOR GENERAL NOTES. REFER TO G-010 G-011 FOR PARTITION TYPES FIRESAFING DETAILS.
- ALL LOCATIONS OF ELECTRICAL DEVICES SHALL BE VERIFIED IN THE FIELD WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
- PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
- INSTALL CEMENT BOARD FOR INSTALLATION OF NEW TILE.
- EXISTING HM FRAME TO BE PAINTED.
- THE CONTRACTOR SHALL CAREFULLY REMOVE EXISTING TRESPA PANELS WHERE REQUIRED PER DRAWINGS. THE TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. TRESPA PANELS ARE HUNG ON CLIPS AND CAN BE LIFTED OFF. CONTRACTOR SHALL CAREFULLY REMOVE EACH PANEL AND CLIP/ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING CVP BOARD TO REMAIN.
- THE CONTRACTOR SHALL COORDINATE WITH TRESPA MANUFACTURER ON THE REMOVAL, MODIFICATION AND REINSTALLATION OF PANELS AS REQUIRED PER DRAWINGS.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
P01	EXISTING DOOR TO REMAIN, PROTECT DURING CONSTRUCTION AND PAINT
P16	NEW FLOOR DRAIN CAP COVER
P19	RECESSED WALL MOUNTED BELT STANCHION AND CLOSURE LATCH

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PL-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRSLINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TETZLN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B

PLUMBING FIXTURES

- PL-1 BRADLEY WB-TR1 TERREON UNDERMOUNT KIT
- PL-2 BRADLEY OMINIDECK LD-5010
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com

PGA ENGINEERS, INC

DESIGNER PROJECT No.: _____
PROJECT STATUS: _____ **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: _____ GP
DRAWN BY: _____ GP
CHECKED BY: _____ DO
ISSUE DATE: 03.21.24
APPROVED BY: _____ DO
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

Noted/ Approval Category

IFB
ISSUED FOR BIDDING

REGISTERED ARCHITECT
STATE OF TEXAS
04.30.24

SHEET NAME: ENLARGED RR FLOOR PLANS - TERMINAL D
SHEET No. A-102 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: _____
DOA DWG FILE: _____
OLD DOA No.: _____
PLOT DATE: _____

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
HAS FILE: _____

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Issued/Approval Category
IFB
ISSUED FOR BIDDING

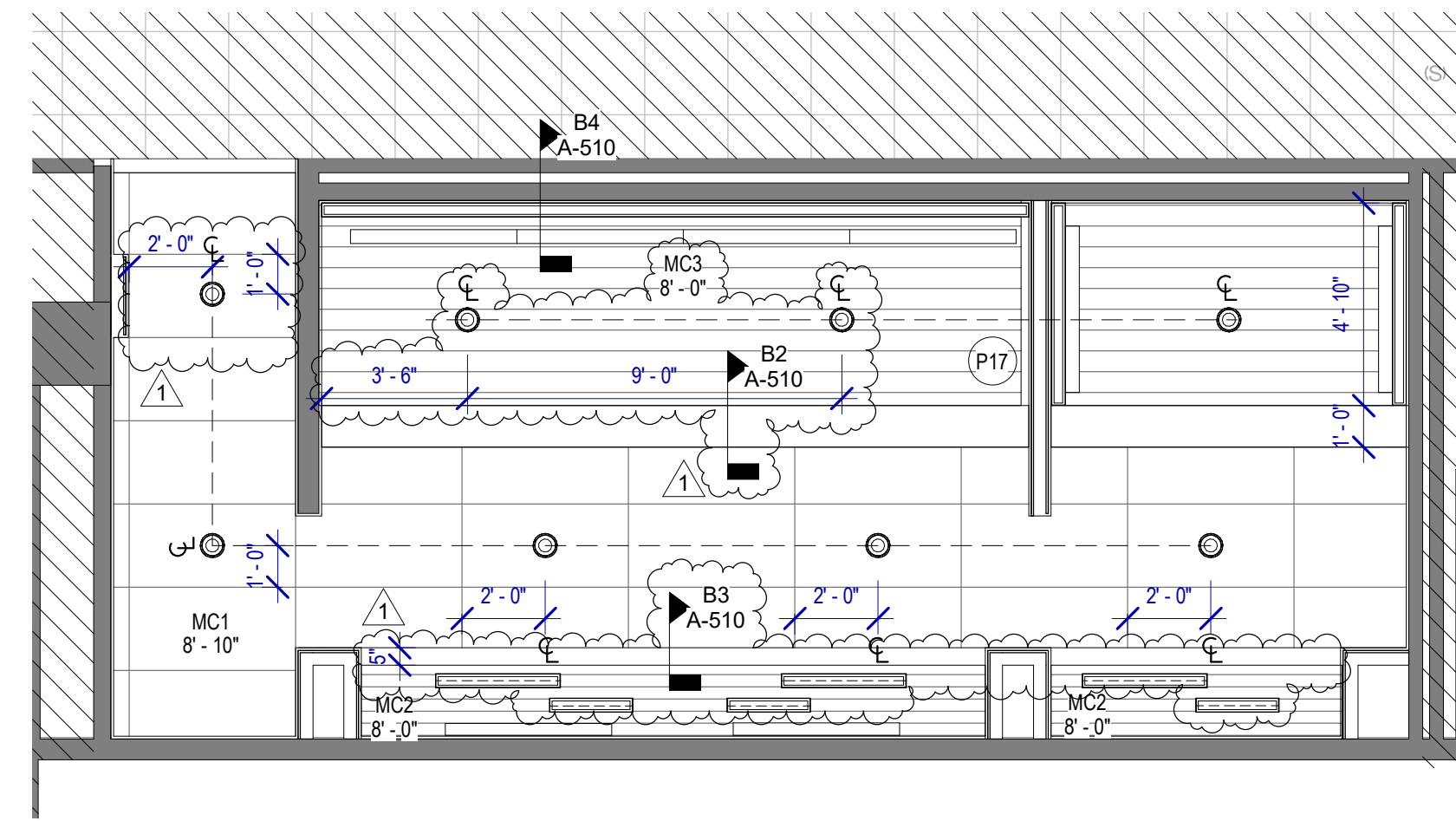
SHEET NAME:
ENLARGED RR RCP PLAN - CD CONNECTOR
SHEET No. A-141 SCALE: 1/4" = 1'-0"
SHEET SIZE: 30"x42" ARCH E1

RCP GENERAL NOTES

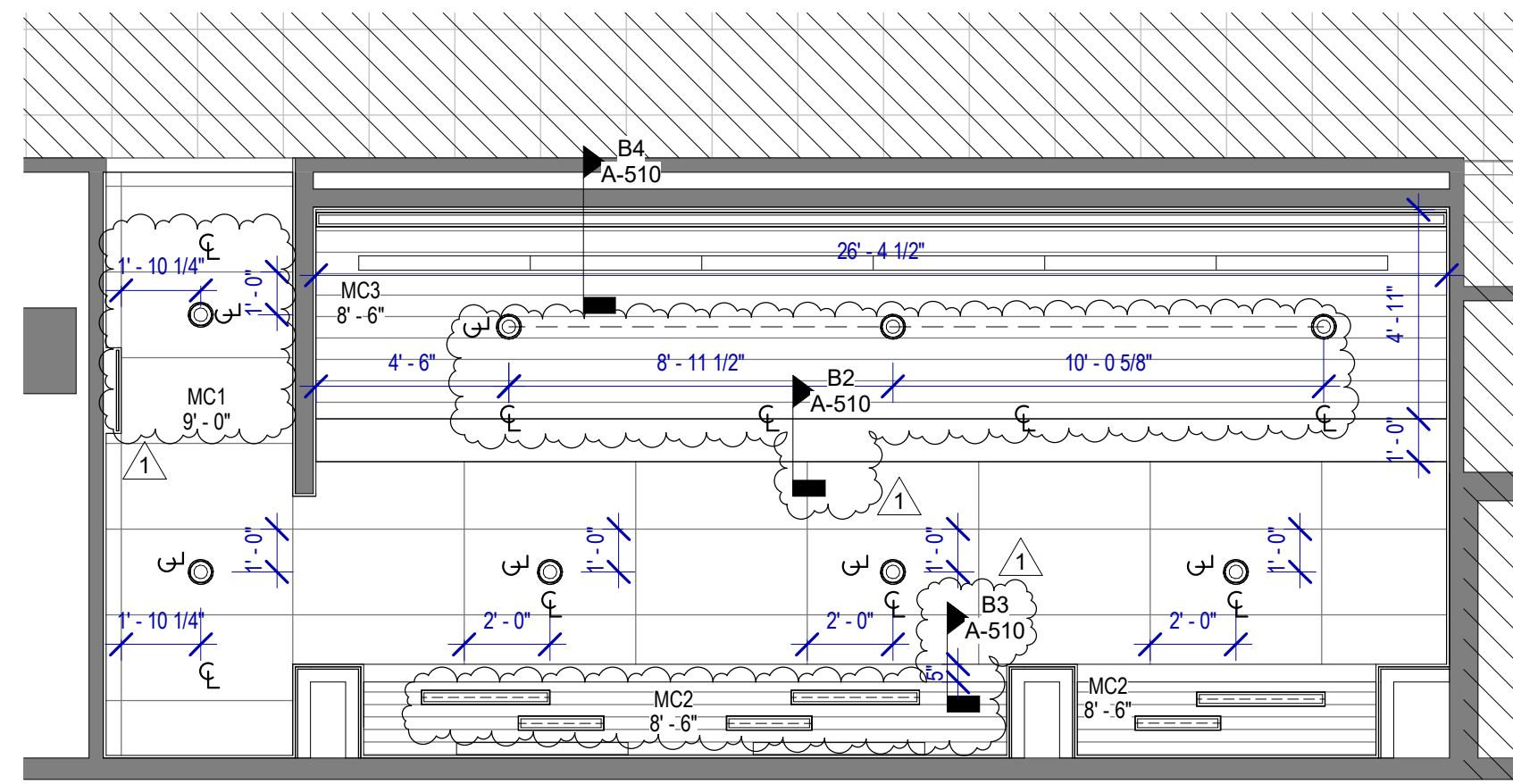
1. REFER TO G-003 FOR LIGHTING GENERAL NOTES AND A420'S FOR INTERIOR ELEVATION
2. REFER TO A-600'S FOR FINISH MATERIAL SCHEDULE.
3. FIELD VERIFY ALL CONDITIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE WORK COMMENCES.
4. ALL LIGHT FIXTURES NOT LOCATED BY DIMENSIONS ARE TO BE CENTERED IN CEILING TILES, CENTER FIXTURE IN ROOM UNLESS NOTED.
5. PROTECT ALL EXISTING CEILING AND DEVICES TO REMAIN.
6. V.I.F. ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION.
7. REFER TO MEP DRAWINGS FOR EGRESS / EMERGENCY LIGHTING.
8. PROTECT EXISTING CEILINGS FOR INSTALLATION OF NEW STALL LIGHTS.

REFLECTED CEILING PLAN LEGEND

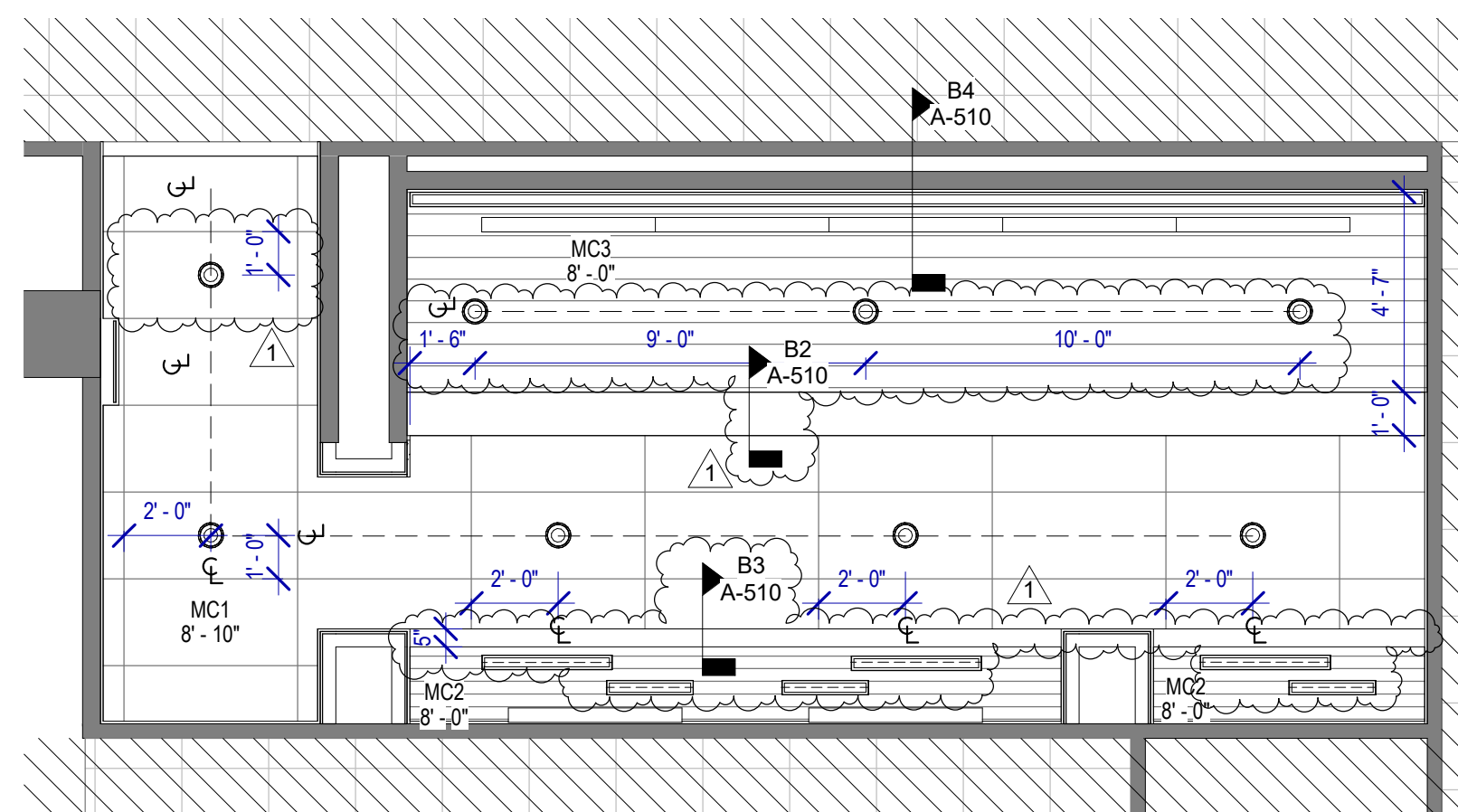
- GYP. BD. CEILING
- ROUND RECESSED CAN LIGHT FIXTURE
- LINEAR RECESSED LIGHT FIXTURE
- DECORATIVE LINEAR LIGHT FIXTURE
- NEW 2'x2' TROFFER LIGHT FIXTURE
- NEW PARTITION
- EXISTING PARTITION TO REMAIN
- SUPPLY/EXHAUST LINEAR AIR DEVICE
- SMART STALL OCCUPANCY LIGHTS
- SUPPLY AIR DEVICE
- EXHAUST GRILLE
- MC1
- MC3
- MC2



C3 RCP - MENS RR GATE D08
SCALE: 1/4" = 1'-0"

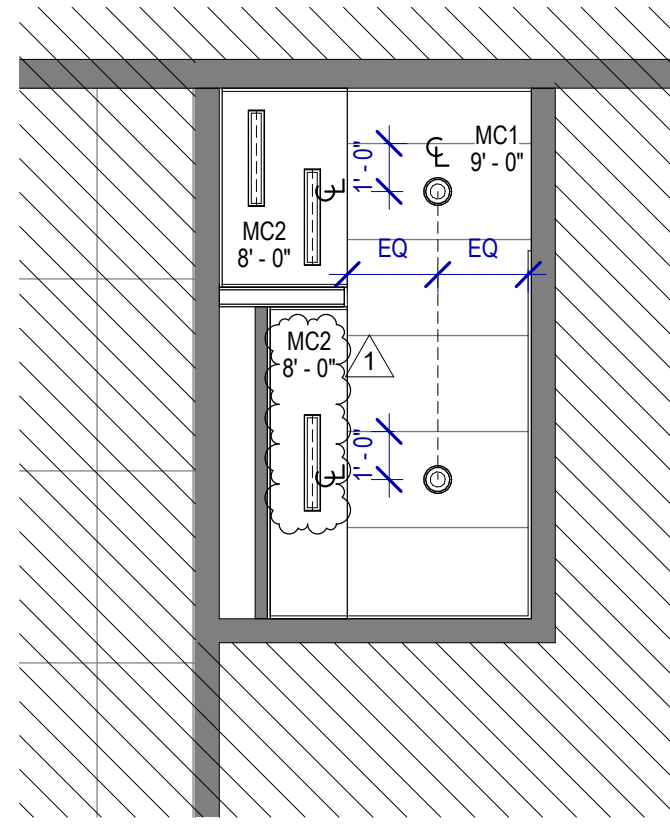


A3 RCP - WOMEN'S RR GATE D07
SCALE: 1/4" = 1'-0"



A2 RCP - WOMEN'S RR GATE D09
SCALE: 1/4" = 1'-0"

PLOT DATE: _____
 DOA DWG FILE: _____
 OLD DOA No.: _____
 PLOT DATE: _____
 FILE PATH: BIM 360 / 1429.12 Terminal D Restrooms / 1429.12_Terminal D Restrooms.rvt
 HAS FILE: _____



A4 RCP - NURSERY RR GATE D16 AREA
SCALE: 1/4" = 1'-0"

RCP GENERAL NOTES

1. REFER TO G-003 FOR LIGHTING GENERAL NOTES AND A420'S FOR INTERIOR ELEVATION
2. REFER TO A-800'S FOR FINISH MATERIAL SCHEDULE.
3. FIELD VERIFY ALL CONDITIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE WORK COMMENCES.
4. ALL LIGHT FIXTURES NOT LOCATED BY DIMENSIONS ARE TO BE CENTERED IN CEILING TILES. CENTER FIXTURE IN ROOM UNLESS NOTED.
5. PROTECT ALL EXISTING CEILINGS AND DEVICES TO REMAIN.
6. V.I.F. ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION.
7. REFER TO MEP DRAWINGS FOR EGRESS / EMERGENCY LIGHTING.
8. PROTECT EXISTING CEILINGS FOR INSTALLATION OF NEW STALL LIGHTS.

REFLECTED CEILING PLAN LEGEND

- GYP. BD. CEILING
- ROUND RECESSED CAN LIGHT FIXTURE
- LINEAR RECESSED LIGHT FIXTURE
- DECORATIVE LINEAR LIGHT FIXTURE
- NEW 2'x2' TROFFER LIGHT FIXTURE
- NEW PARTITION
- EXISTING PARTITION TO REMAIN
- SUPPLY/EXHAUST LINEAR AIR DEVICE
- SMART STALL OCCUPANCY LIGHTS
- SUPPLY AIR DEVICE
- EXHAUST GRILLE
- MC1
- MC3
- MC2



3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No.	H.A.S. No.
T.I.P. No.	24-86-IAH

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com



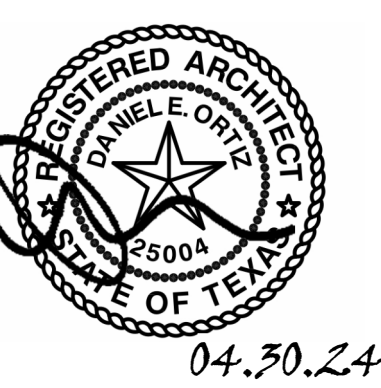
DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

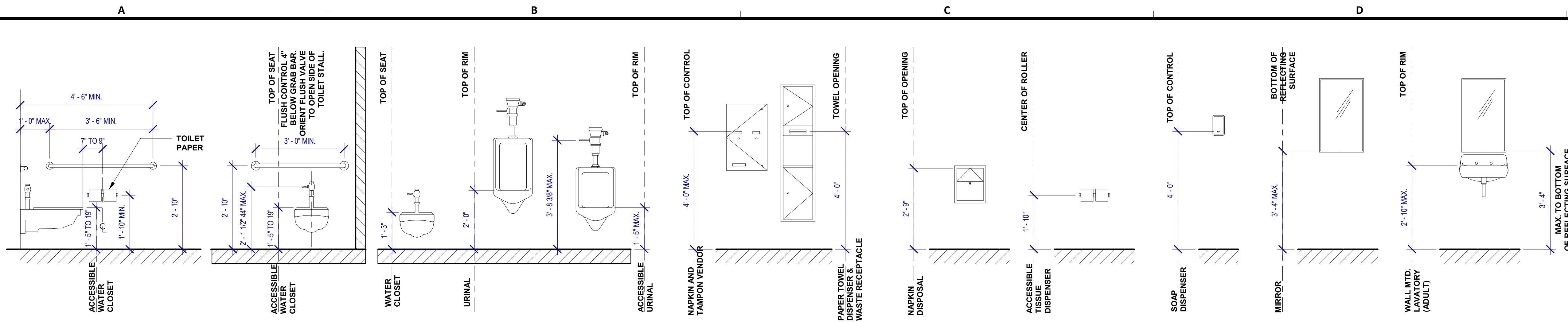
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

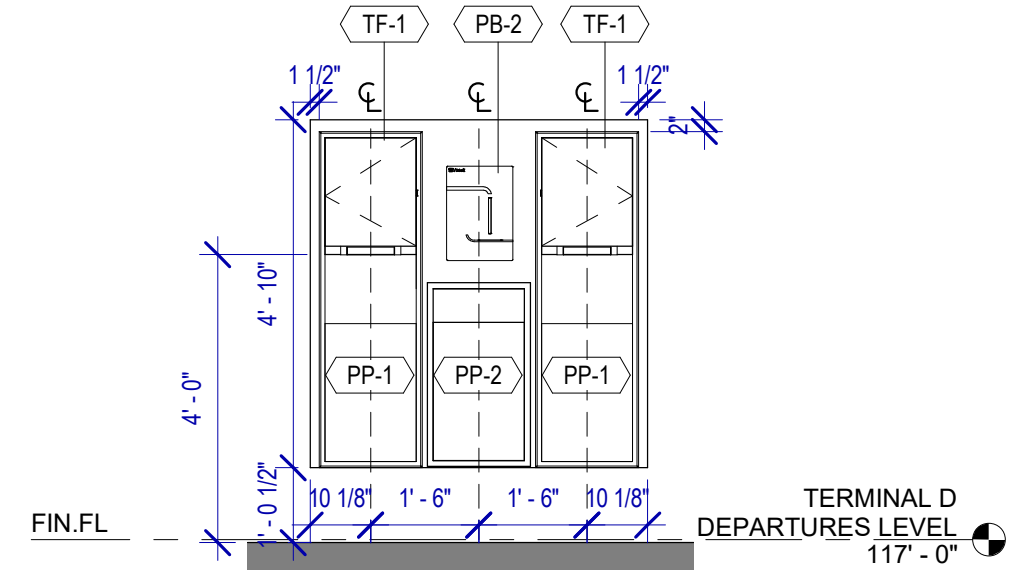


SHEET NAME:
ENLARGED RR RCP PLANS - TERMINAL D
SHEET No. A-142 SCALE: 1/4" = 1'-0"
SHEET SIZE: 30"x42" ARCH E1

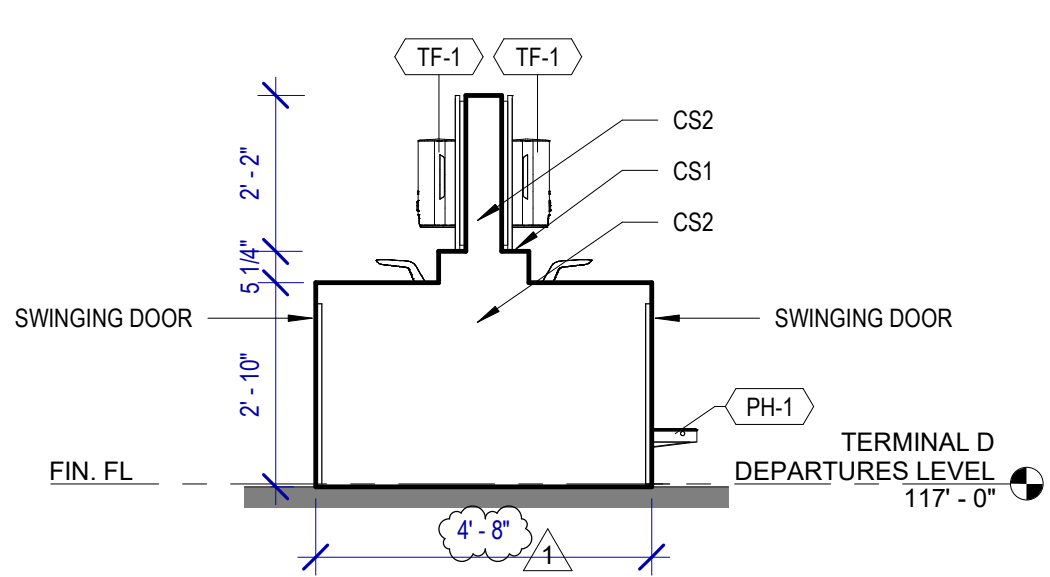
PLOT DATE: DOA DWG FILE: DOA DOA No.: PLOT DATE:
 FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:



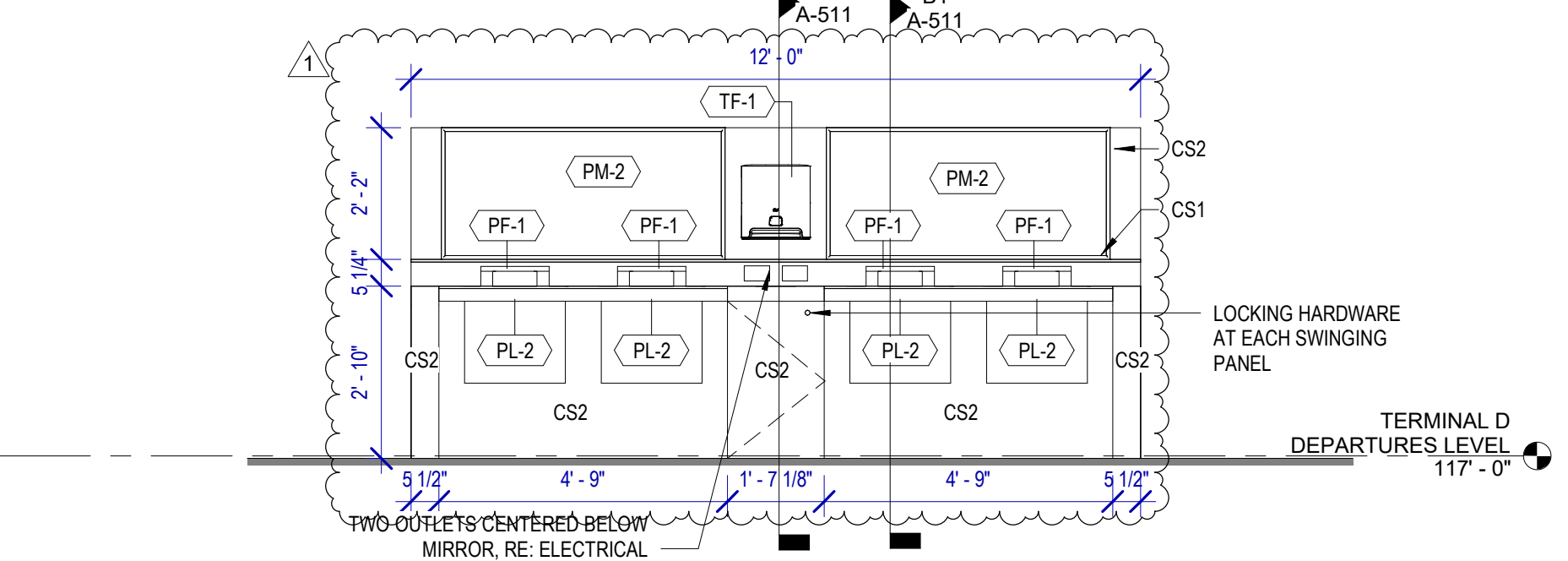
A4 ADA MOUNTING LOCATIONS - RESTROOMS
SCALE: 1/2" = 1'-0"



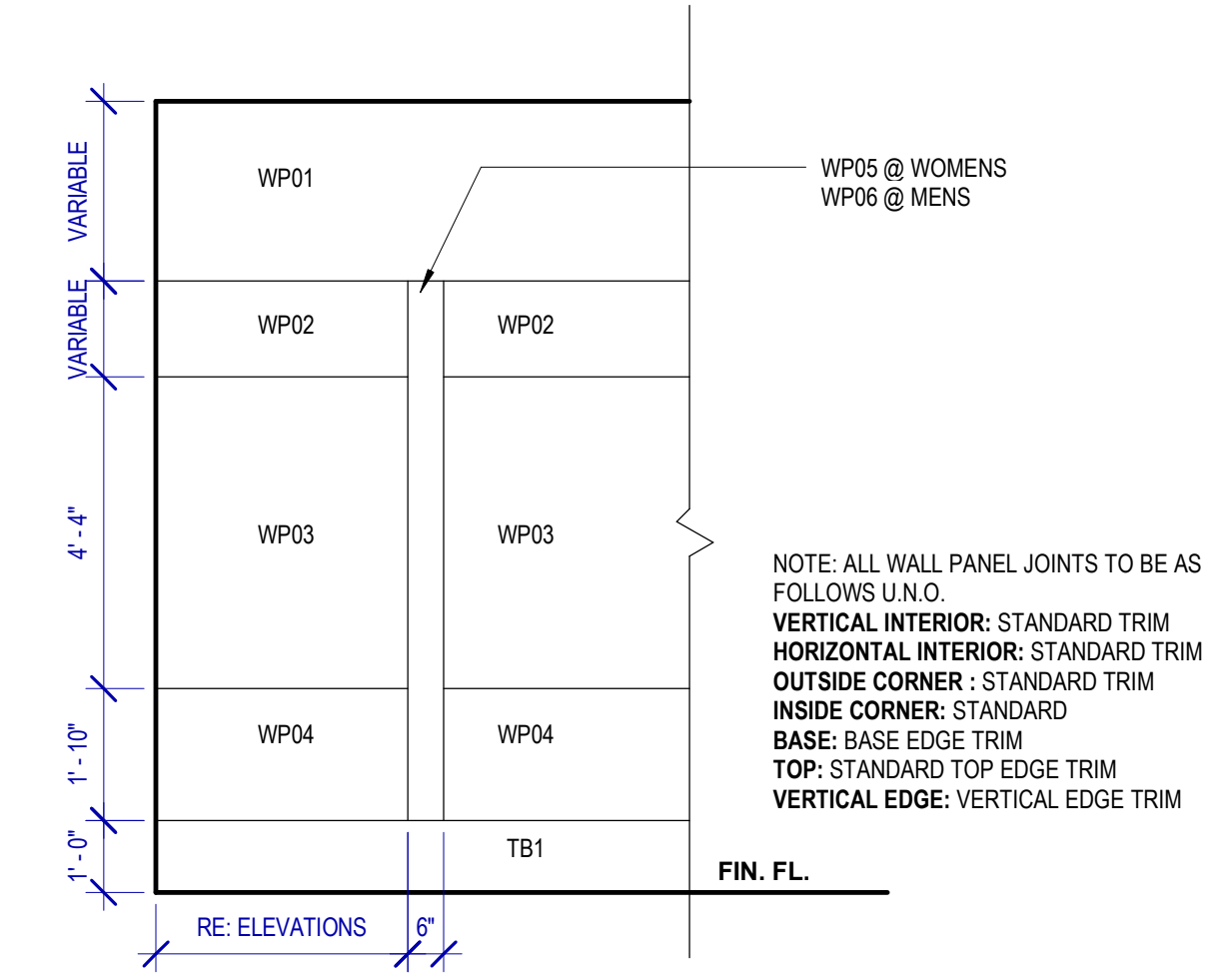
A3 TYP. ELEVATION AT SANITIZING STATION
SCALE: 3/8" = 1'-0"



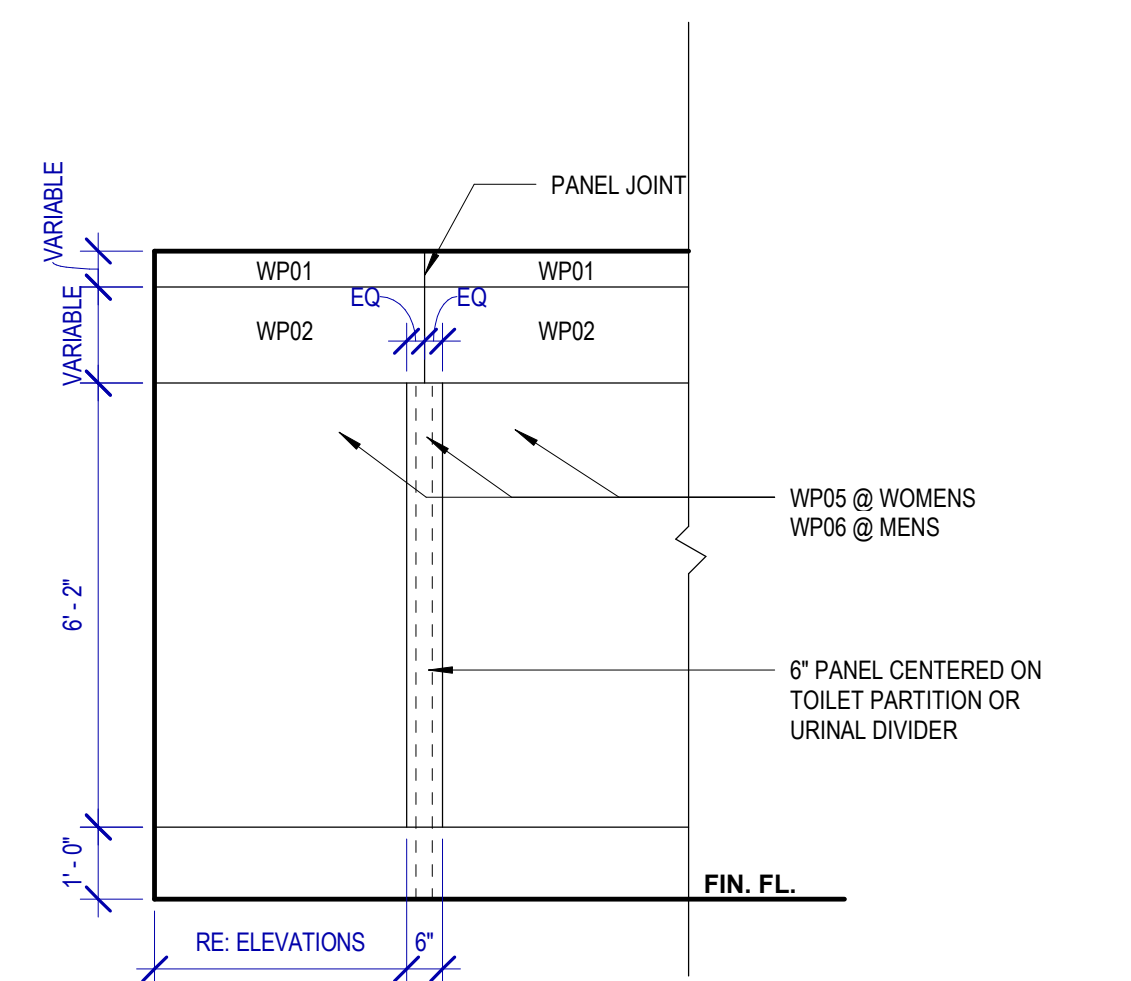
B3 TYP. LAVATORY ISLAND (END)
SCALE: 3/8" = 1'-0"



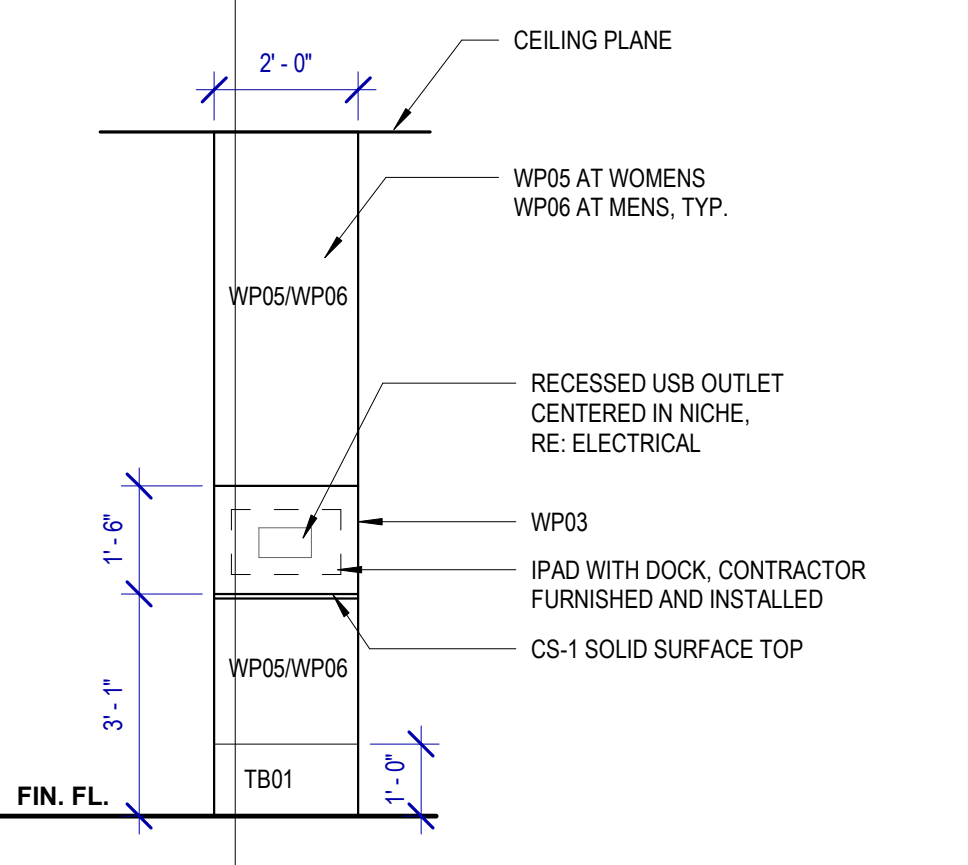
C3 TYPICAL LAVATORY
SCALE: 3/8" = 1'-0"



A2 TYPICAL WALL PATTERN
SCALE: 3/8" = 1'-0"



B2 TYPICAL WALL PATTERN @ PLUMBING WALL
SCALE: 3/8" = 1'-0"



C2 TYPICAL IPAD STATION ELEVATION
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PH-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRILINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PM-1 BOBRICK B-167 263Z BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B

PLUMBING FIXTURES

- PL-1 BRADLEY WB-TR1 TERREON UNDERMOUNT KIT
- PL-2 BRADLEY OMNIDECK LD-5810
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PV-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION

INTERIOR ELEVATIONS NOTES

1. REFER TO SHEET A600 FOR FINISH LEGEND.
2. AT MENS ADA RESTROOMS, DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
3. AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET TISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL SHOWN IN THE WOMEN LAYOUTS. THE TOP OF SEAT COVER DISPENSER SHALL BE 2 INCHES UNDER THE BOTTOM OF GRAB BAR.
4. ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
5. PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
6. REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
7. INSTALL CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. A.I.P. No.
E.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS
800 Sampson St. #104 Houston, TX 77003
713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers
5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com

PGA ENGINEERS, INC

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

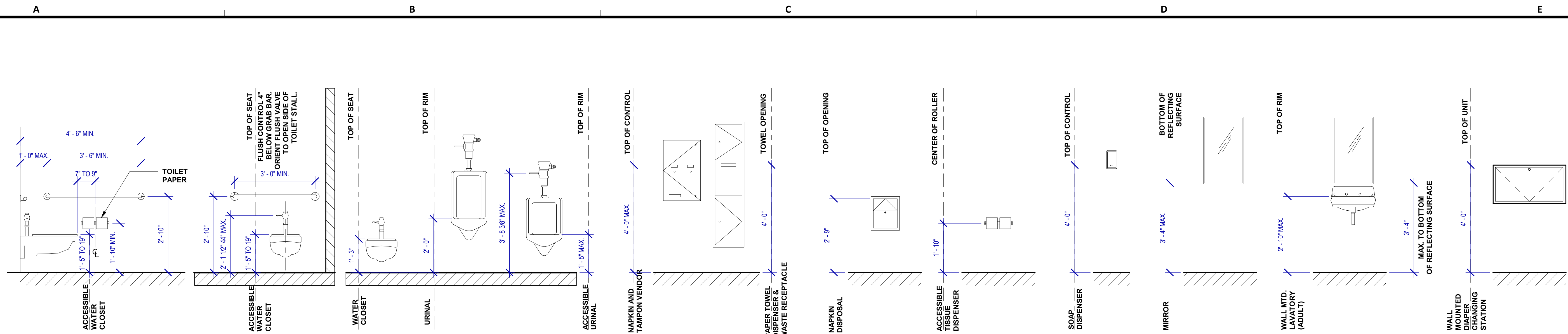
DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

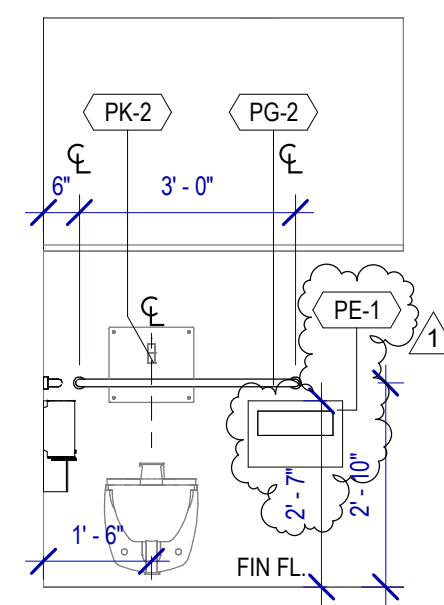
ISSUED FOR BIDDING
IFB
REGISTERED ARCHITECT
STATE OF TEXAS
04.30.24

SHEET NAME: TYPICAL ELEVATIONS AND PLANS
SHEET No. A-420 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

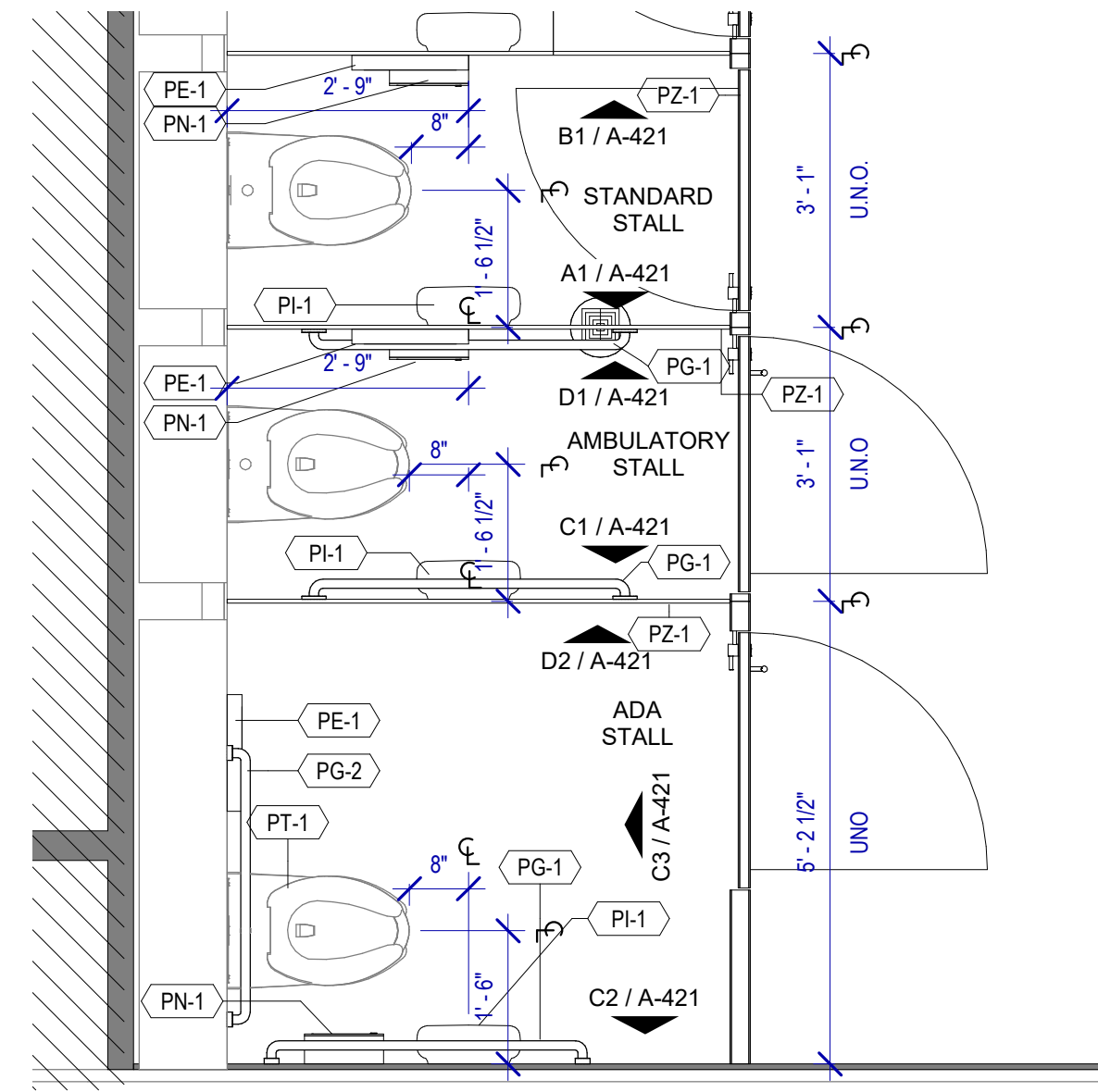
FILE PATH: BIM 360//1429.12_Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
HAS FILE:



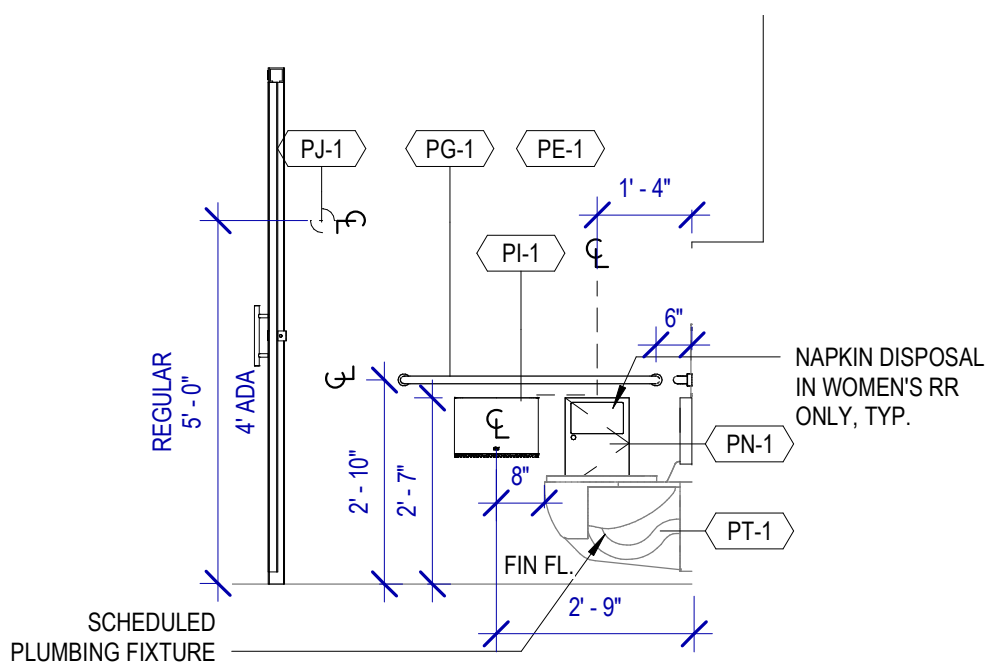
A4 ADA RESTROOM MOUNTING LOCATIONS
SCALE: 1/2" = 1'-0"



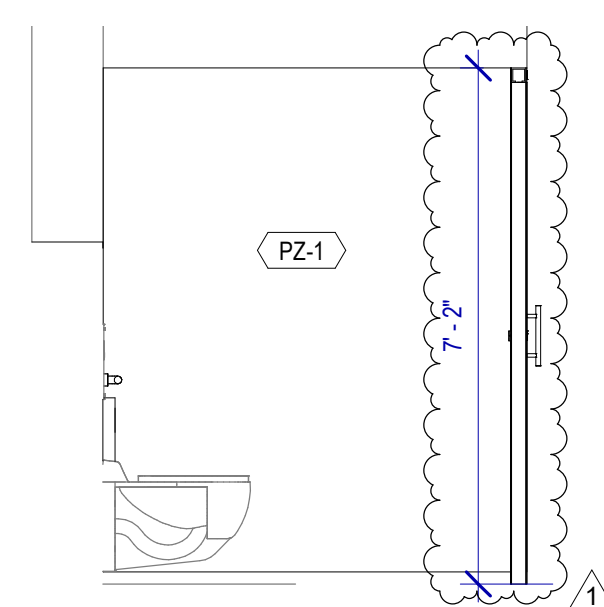
C3 TYP. ADA STALL - BACK
SCALE: 3/8" = 1'-0"



D3 TYP. TOILET STALL FLOOR PLANS
SCALE: 1/2" = 1'-0"



C2 TYP. ADA STALL ELEVATION - A
SCALE: 3/8" = 1'-0"



D2 TYP. ADA STALL ELEVATION - B
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

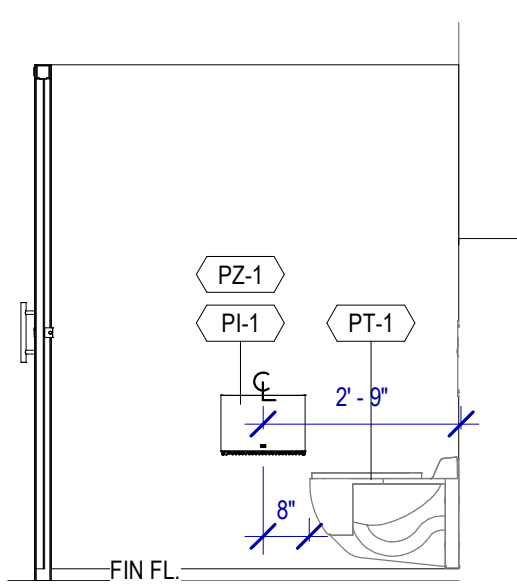
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRISLINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TETZLN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B

PLUMBING FIXTURES

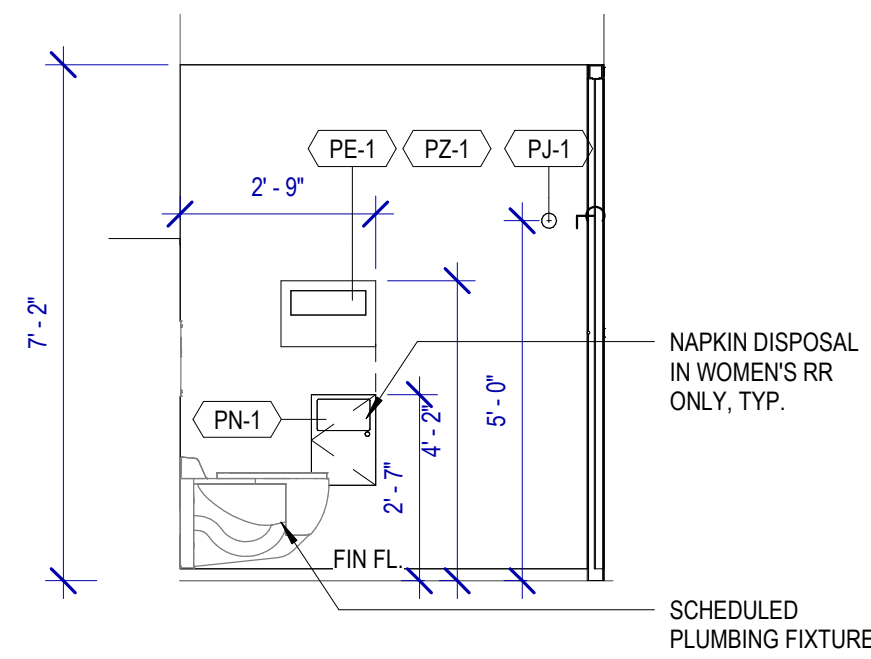
- PL-1 BRADLEY WB-TR1 TERREON UNDERMOUNT KIT
- PL-2 BRADLEY OMINIDECK LD-50110
- PT-1 TOTO WALL MOUNTED TOILET CTT08BEVG
- PJ-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION

INTERIOR ELEVATIONS NOTES

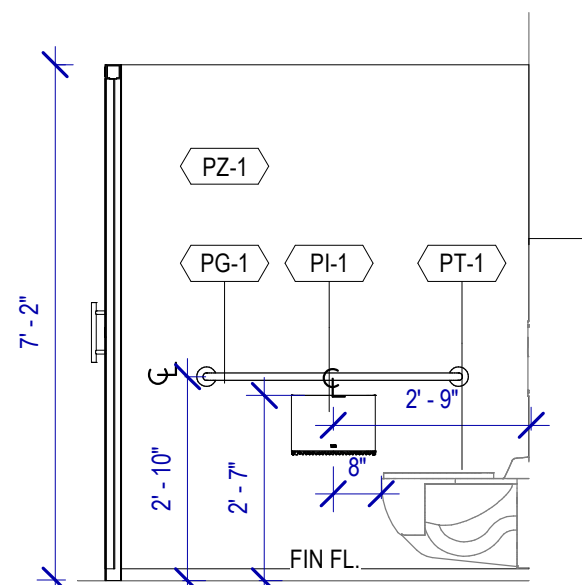
1. REFER TO SHEET A600 FOR FINISH LEGEND.
2. AT MENS ADA RESTROOMS, DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
3. AT MENS ADA RESTROOM, THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET TISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL SHOWN IN THE WOMEN LAYOUTS. THE TOP OF SEAT COVER DISPENSER SHALL BE 2 INCHES UNDER THE BOTTOM OF GRAB BAR.
4. ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
5. PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
6. REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
7. INSTALL CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.



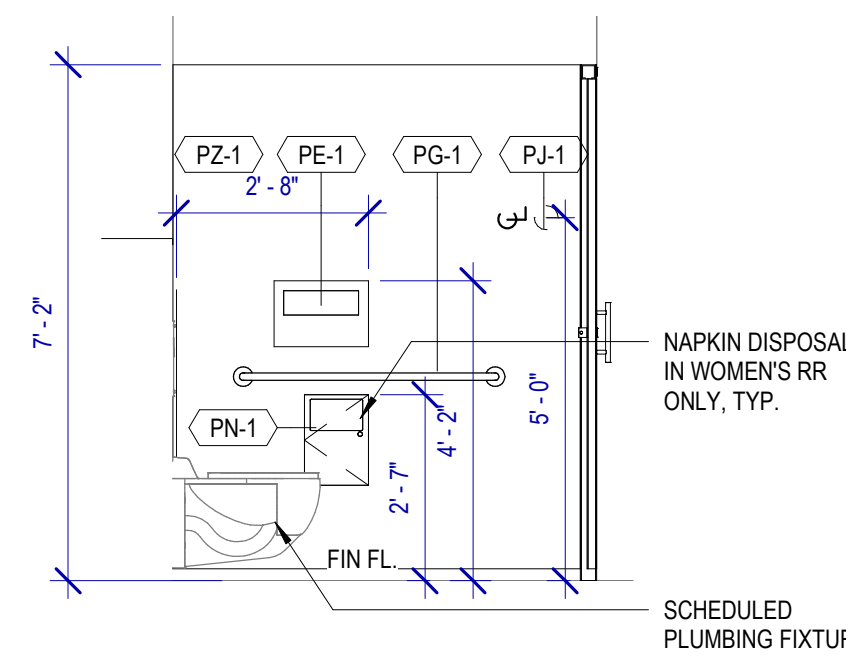
A1 TYP. STANDARD STALL ELEVATION - A
SCALE: 3/8" = 1'-0"



B1 TYP. STANDARD STALL ELEVATION - B
SCALE: 3/8" = 1'-0"



C1 TYP. AMBULATORY STALL ELEVATION - A
SCALE: 3/8" = 1'-0"



D1 TYP. AMBULATORY STALL ELEVATION - B
SCALE: 3/8" = 1'-0"

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com

PGA ENGINEERS, INC

DESIGNER PROJECT No.: _____
PROJECT STATUS: _____ **IFB**

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

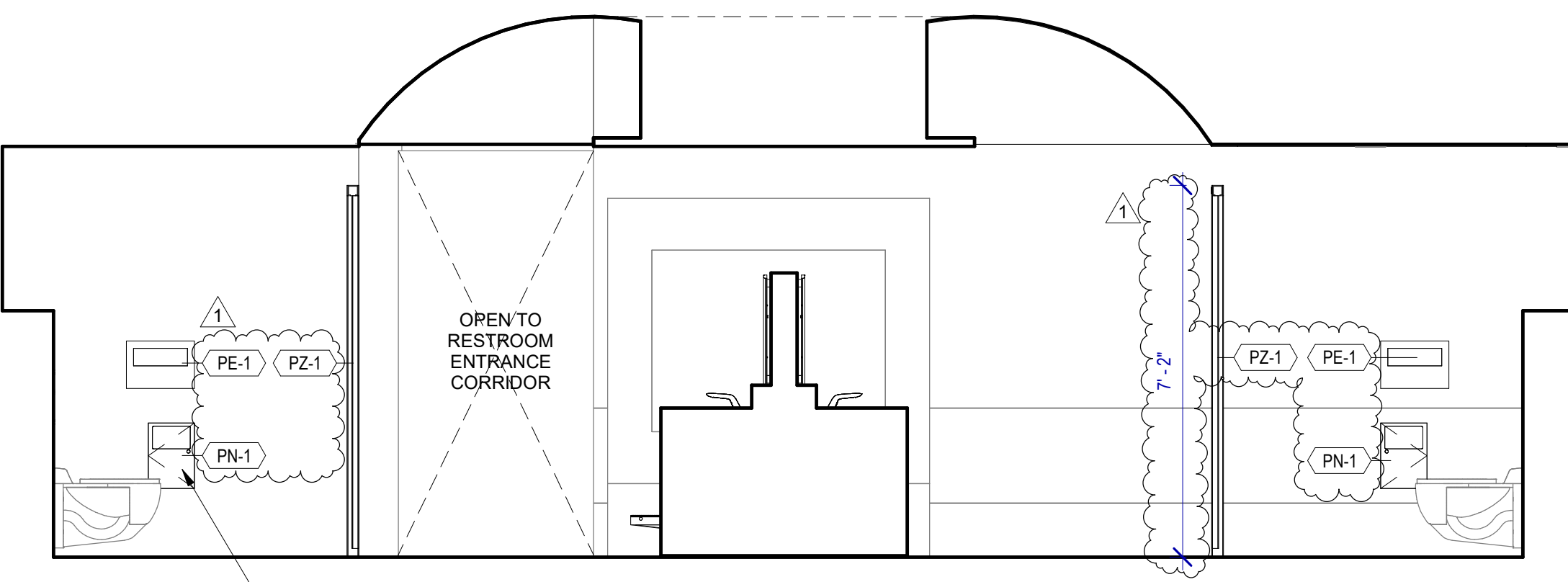
ISSUED FOR BIDDING

IFB

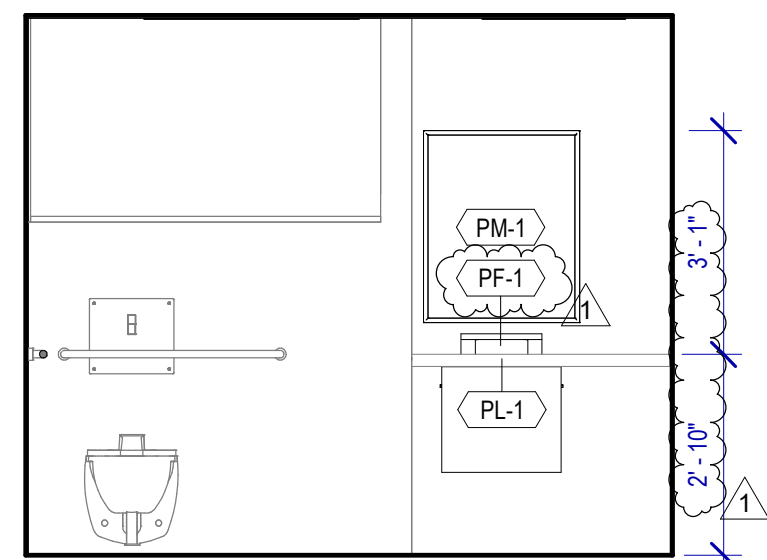
REGISTERED ARCHITECT
STATE OF TEXAS
04.30.24

SHEET NAME: **TERMINAL D RESTROOM RENOVATIONS**
SHEET No. **A-421** SCALE: **As indicated**

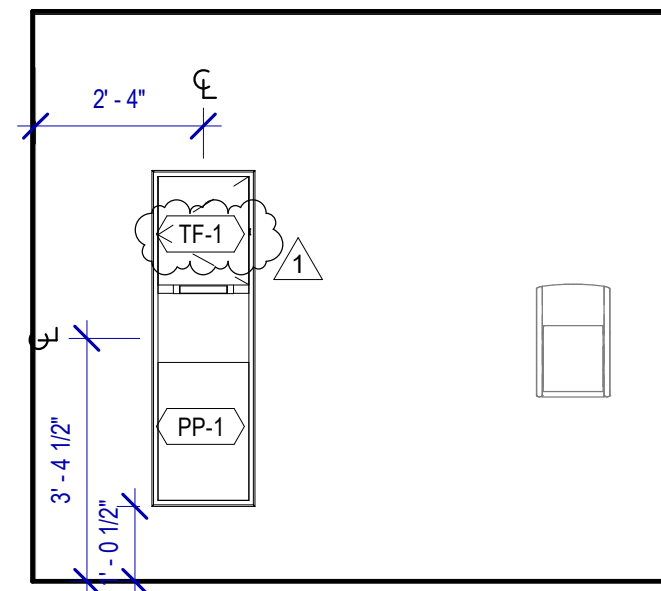
SHEET SIZE: 30"x42" ARCH E1



A4 WOMEN'S RESTROOM GATE D16-D17 - A
SCALE: 3/8" = 1'-0"



A3 FAMILY RESTROOM GATE D16 - A
SCALE: 3/8" = 1'-0"



C4 FAMILY RESTROOM GATE D16 - C
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRSLINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B

PLUMBING FIXTURES

- PL-1 BRADLEY WB-TR1 TERREON UNDERMOUNT KIT
- PL-2 BRADLEY OMINIDECK LD-5010
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION

INTERIOR ELEVATIONS NOTES

1. REFER TO SHEET A600 FOR FINISH LEGEND.
2. AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
3. AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET TISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL SHOWN IN THE WOMEN LAYOUTS. THE TOP OF SEAT COVER DISPENSER SHALL BE 2 INCHES UNDER THE BOTTOM OF GRAB BAR.
4. ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
5. PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
6. REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
7. INSTALL CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.



3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No.	A.I.P. No.
E.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425
Houston, Texas 77056
713.430.5800
www.hendersonrogers.com



DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Issued/Approval Category: **IFB** ISSUED FOR BIDDING

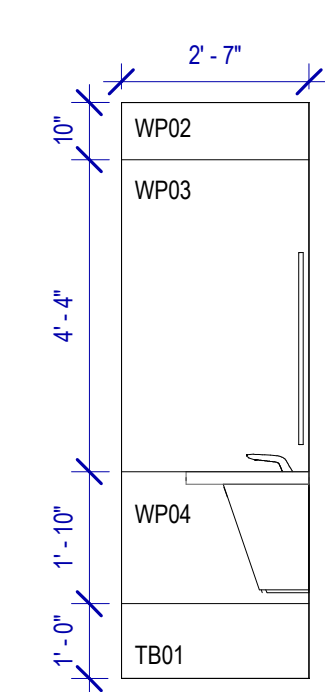
SHEET NAME:
WOMEN/FAMILY RESTROOM ELEVATIONS - GATE D16-D17
SHEET No. **A-422** SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

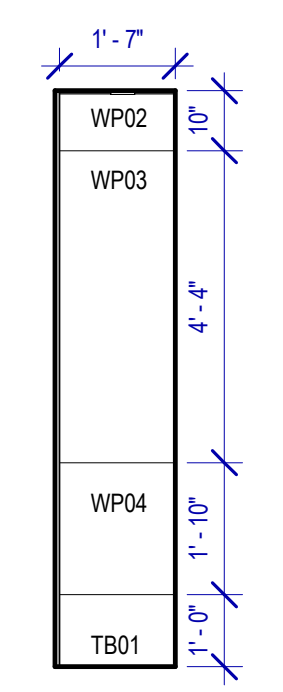
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

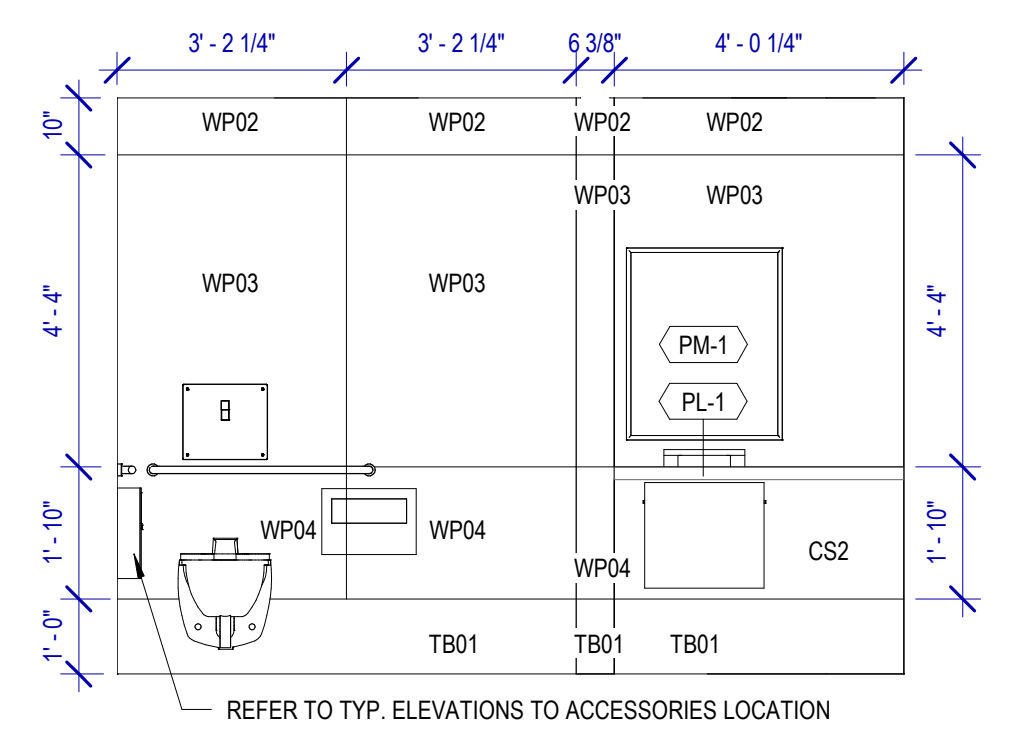
FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
HAS FILE:



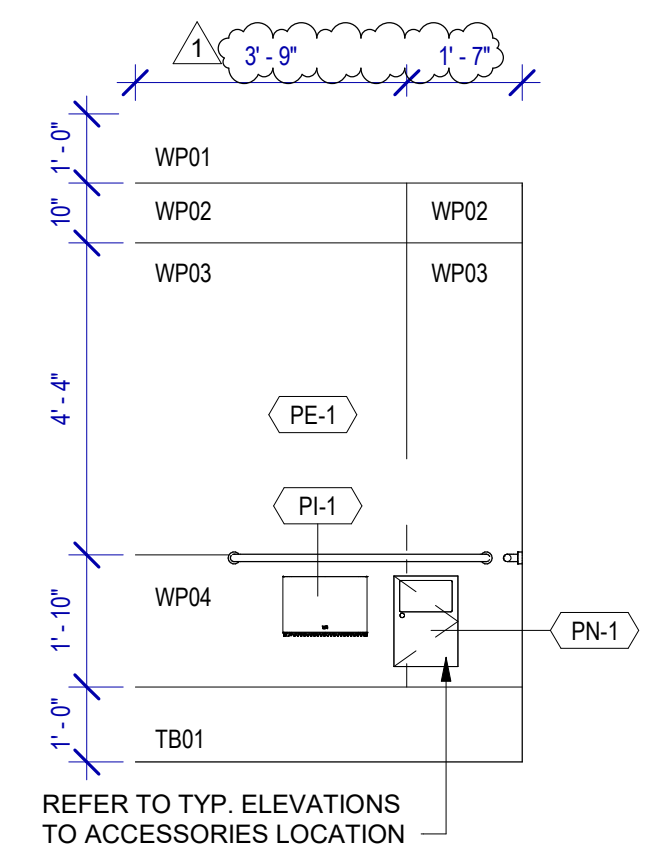
A4 Elevation NURSERY RESTROOM - E
SCALE: 3/8" = 1'-0"



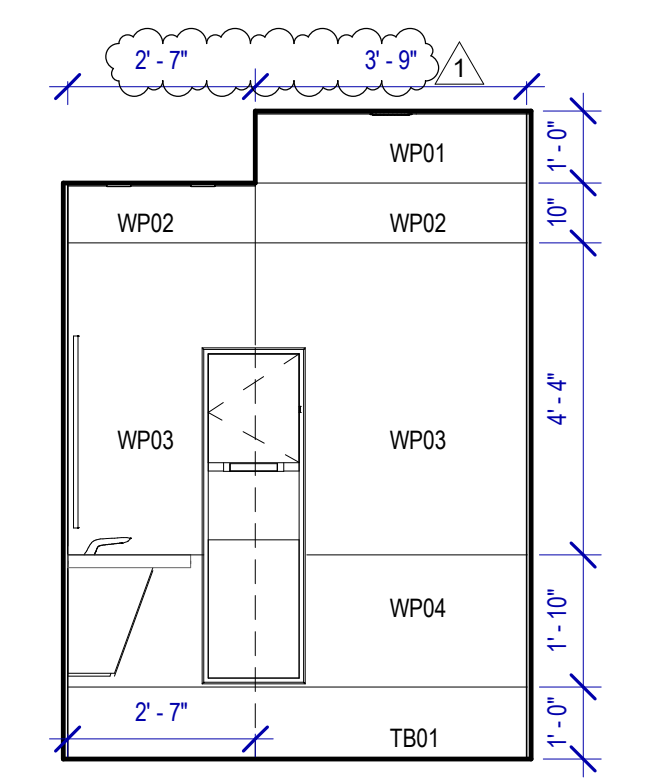
B4 Elevation NURSERY RESTROOM - F
SCALE: 3/8" = 1'-0"



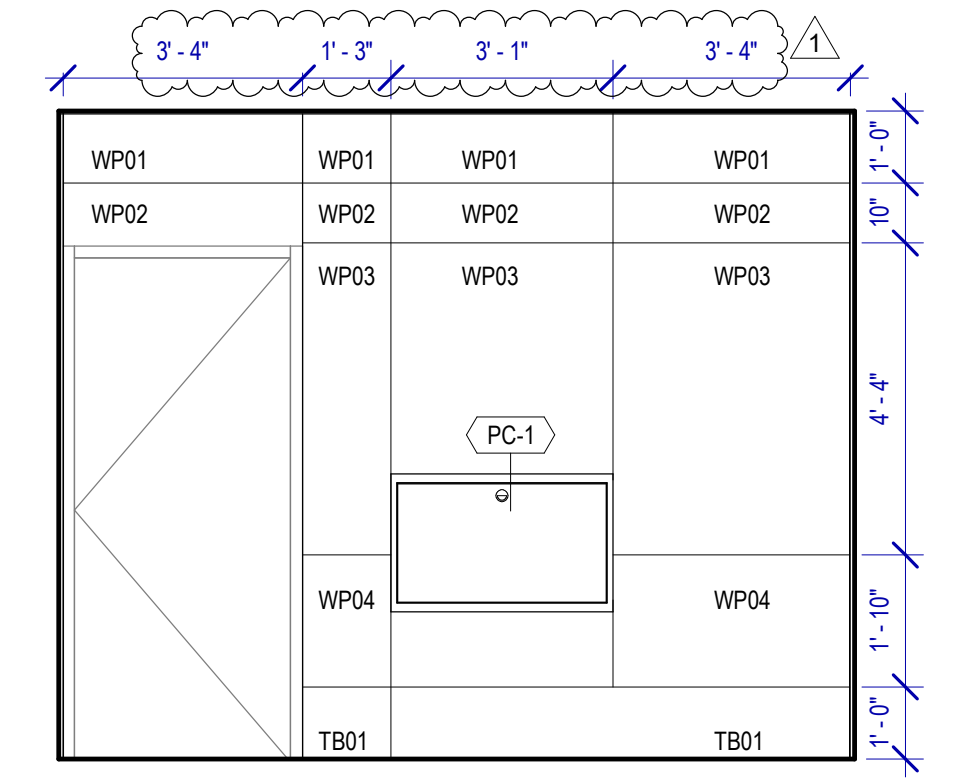
A3 Elevation NURSERY RESTROOM - A
SCALE: 3/8" = 1'-0"



B3 Elevation NURSERY RESTROOM - B
SCALE: 3/8" = 1'-0"



C3 Elevation NURSERY RESTROOM - C
SCALE: 3/8" = 1'-0"



D3 Elevation NURSERY RESTROOM - D
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRSLINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP N WASH SNW-SS 975B

INTERIOR ELEVATIONS NOTES

1. REFER TO SHEET A600 FOR FINISH LEGEND.
2. AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
3. AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET TISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKINS DISPOSAL SHOWN IN THE WOMEN LAYOUTS. THE TOP OF SEAT COVER DISPENSER SHALL BE 2 INCHES UNDER THE BOTTOM OF GRAB BAR.
4. ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
5. PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
6. REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
7. INSTALL CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.

PLUMBING FIXTURES

- PL-1 BRADLEY WB-TR1 TERREON UNDERMOUNT KIT
- PL-2 BRADLEY OMINDECK LD-6019
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com

PGA ENGINEERS, INC

DESIGNER PROJECT No.: _____
PROJECT STATUS: _____ **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: _____ GP
DRAWN BY: _____ GP
CHECKED BY: _____ DO
ISSUE DATE: _____ 03.21.24
APPROVED BY: _____ DO
APPROVAL DATE: _____ 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Received Approval Category
IFB
ISSUED FOR BIDDING

REGISTERED ARCHITECT
DANIEL ORTIZ
25007
STATE OF TEXAS
04.30.24

SHEET NAME:
MAN/NURSERY RESTROOM ELEVATIONS - GATE D16-D17

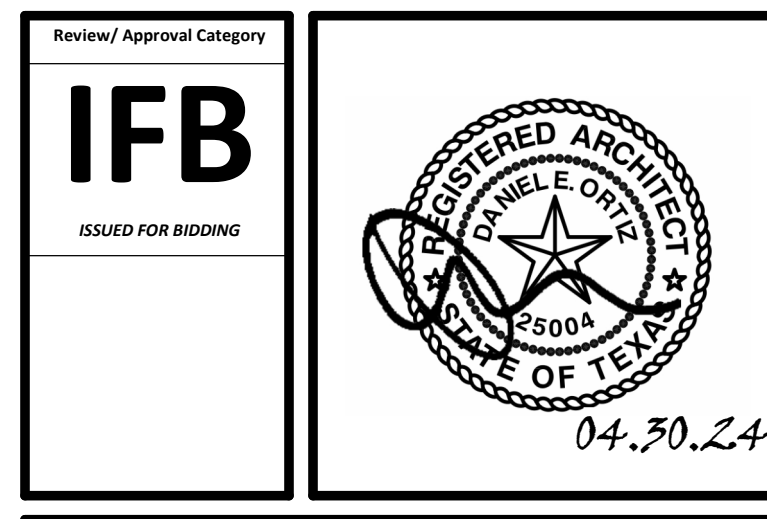
SHEET No. **A-423** SCALE: **As indicated**

SHEET SIZE: 30"x42" ARCH E1

REVISIONS		
No.	DESCRIPTION	DATE BY
1	IFP - cycle 1/ Addendum 1	04.30.24 GP

DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM



SHEET NAME:
 WOMEN/MEN'S RESTROOM - GATE D08-D09

SHEET No. **A-426** SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

TOILET ACCESSORIES

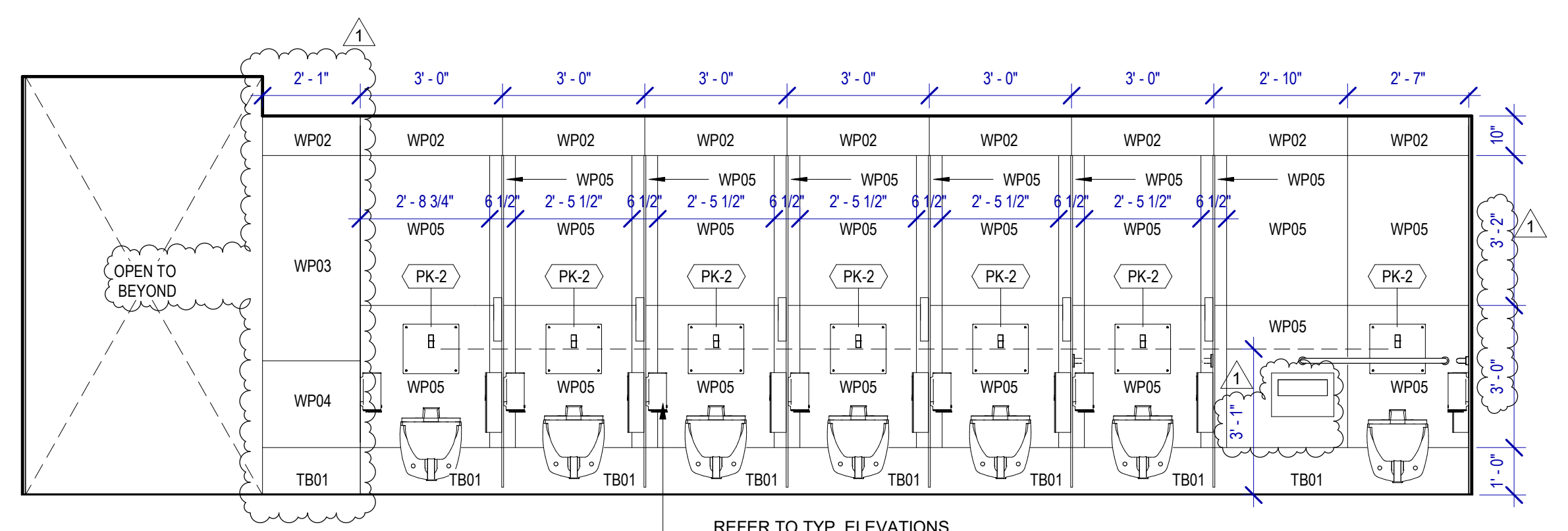
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PH-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRSLINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP N WASH SNW-SS 975B

PLUMBING FIXTURES

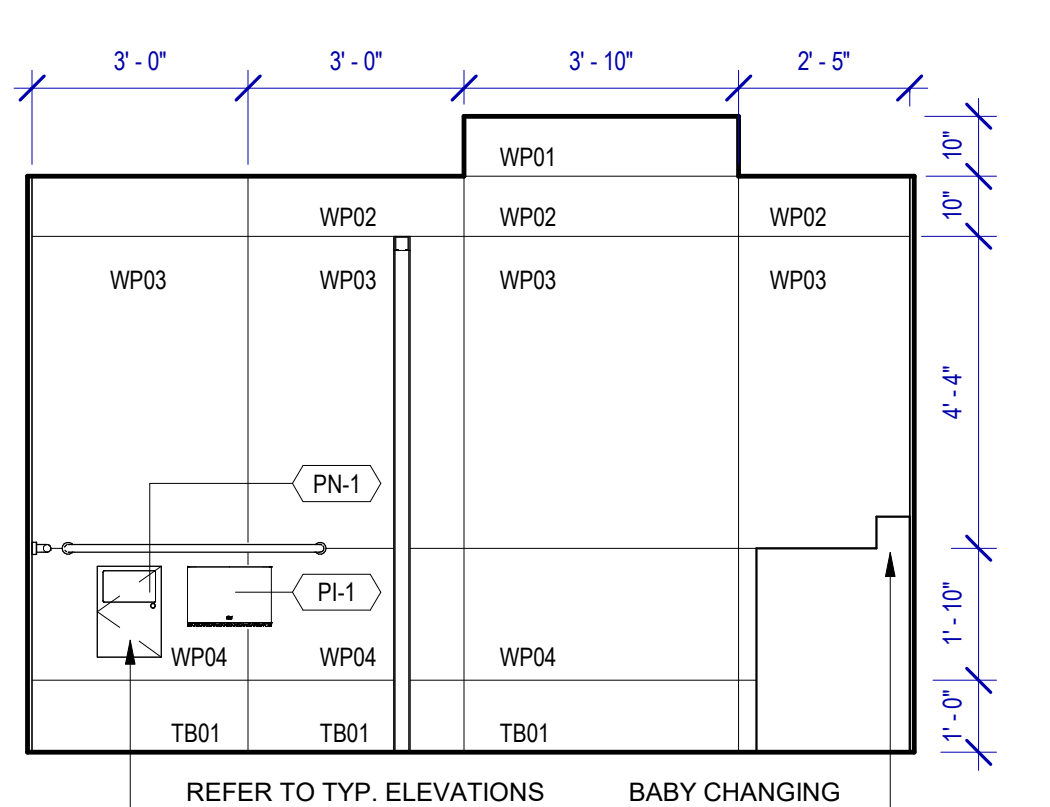
- PL-1 BRADLEY WB-TR1 TERRECON UNDERMOUNT KIT
- PL-2 BRADLEY OMINIDECK LD-5010
- PT-1 TOTO WALL MOUNTED TOILET CT770BEVG
- PV-1 TOTO WALL MOUNTED URINAL UT104EV
- PU-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION

INTERIOR ELEVATIONS NOTES

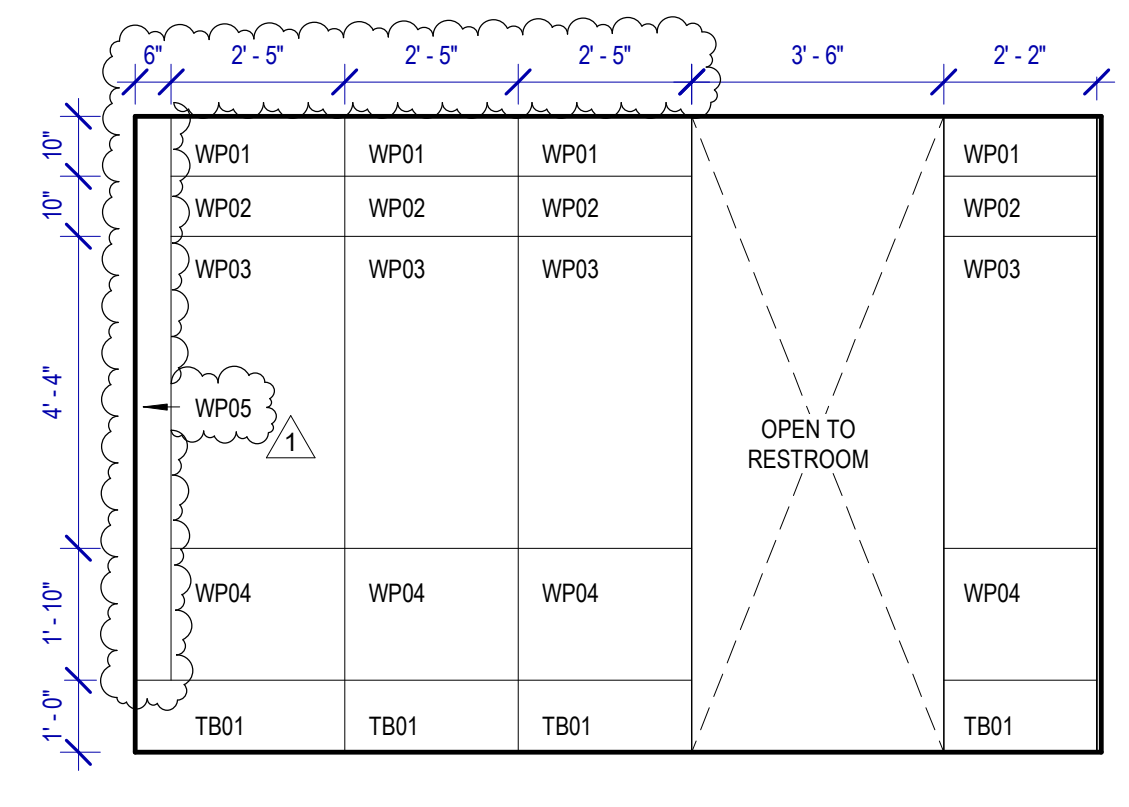
1. REFER TO SHEET A600 FOR FINISH LEGEND.
2. AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
3. AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET ISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL SHOWN IN THE WOMEN LAYOUTS. THE TOP OF SEAT COVER DISPENSER SHALL BE 2 INCHES UNDER THE BOTTOM OF GRAB BAR.
4. ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
5. PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
6. REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
7. INSTALL CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.



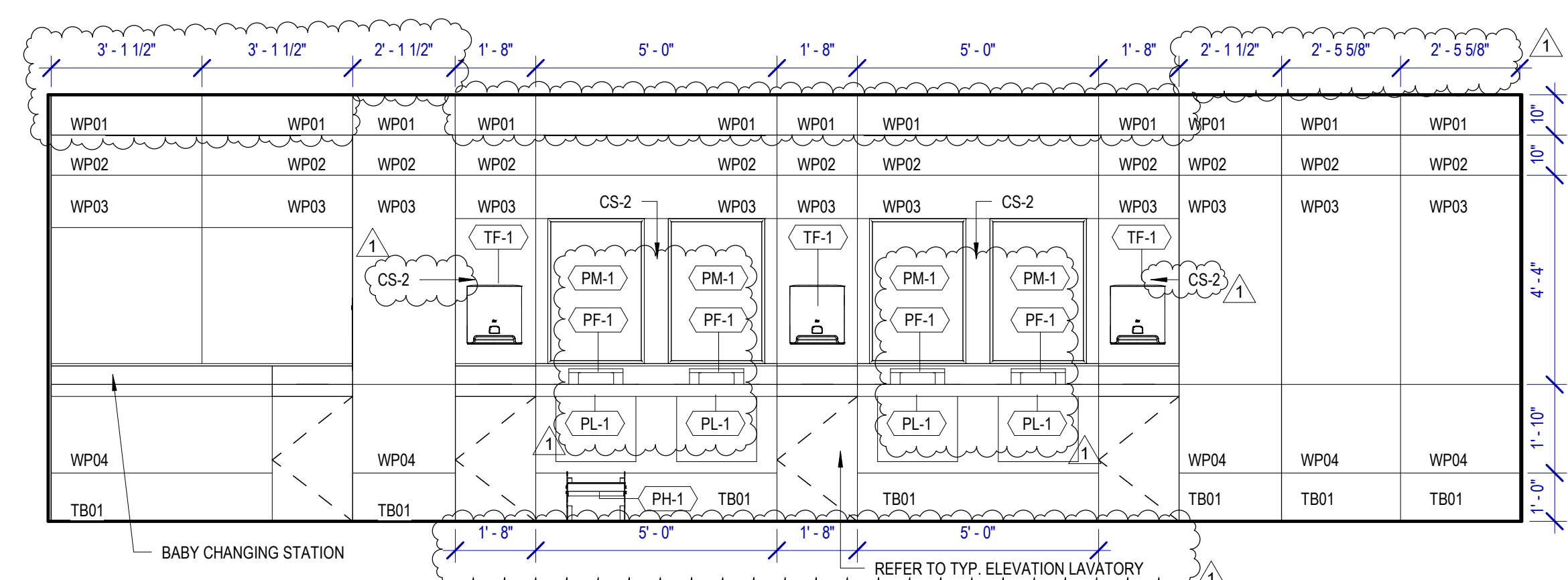
A4 WOMEN'S RESTROOM GATE D09 - A
 SCALE: 3/8" = 1'-0"



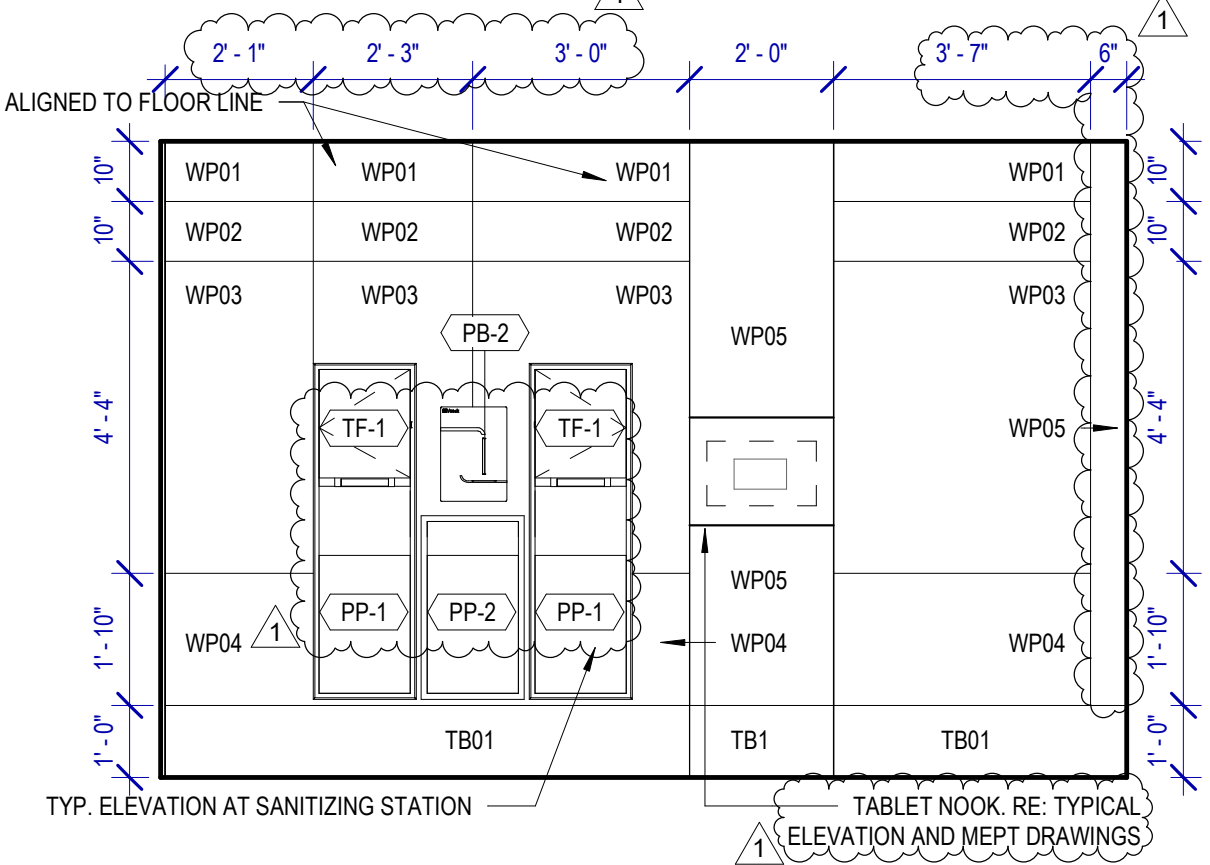
C4 WOMEN'S RESTROOM GATE D09 - B
 SCALE: 3/8" = 1'-0"



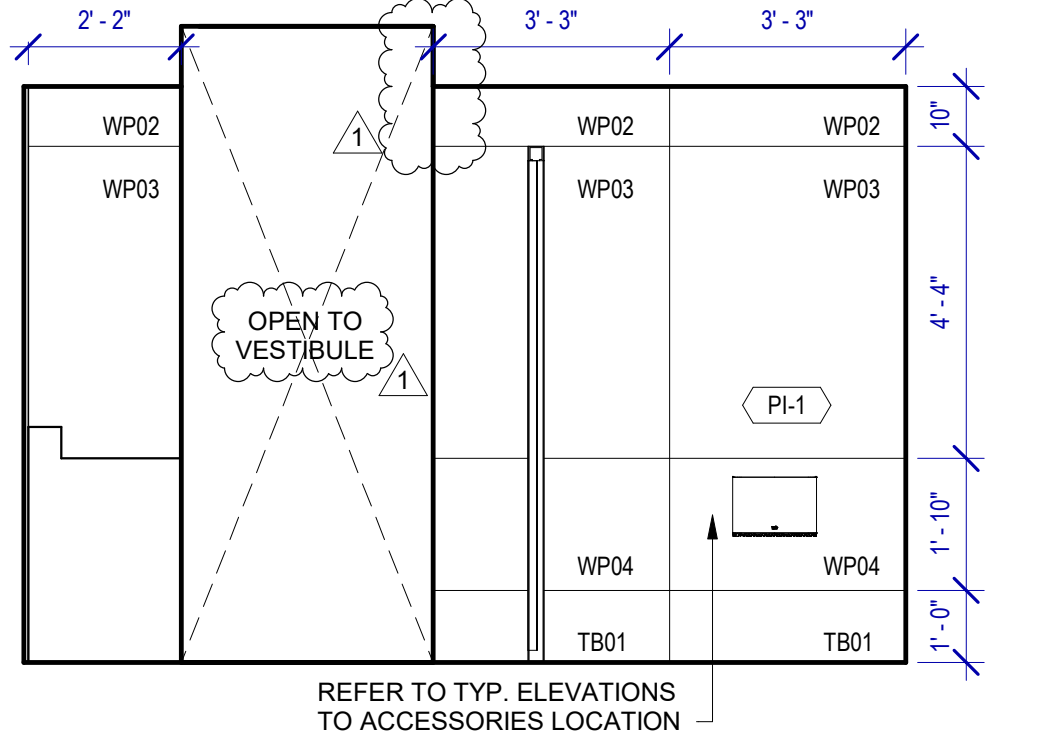
D4 WOMEN'S RESTROOM GATE D09 - C
 SCALE: 3/8" = 1'-0"



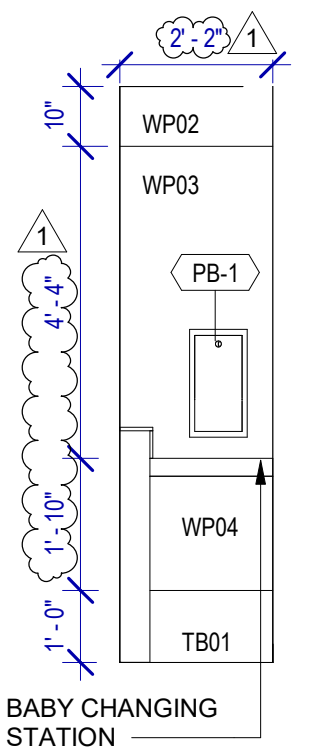
A3 WOMEN'S RESTROOM GATE D09 - D
 SCALE: 3/8" = 1'-0"



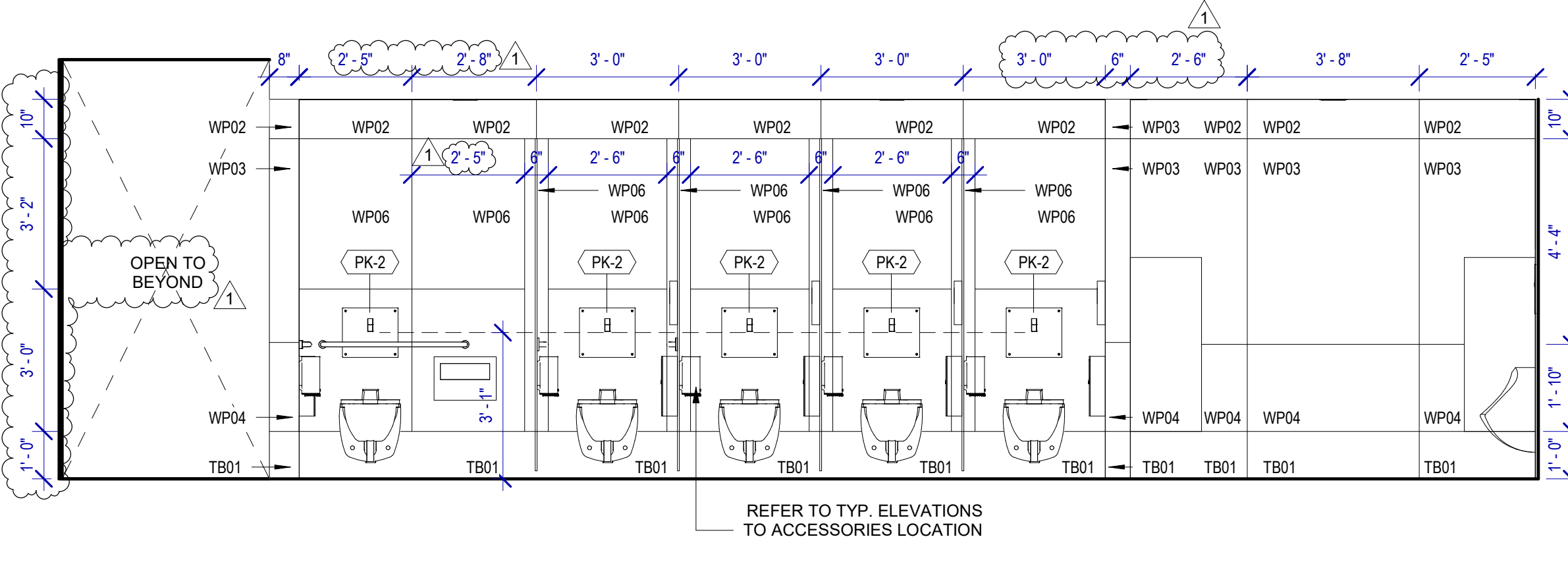
C3 WOMEN'S RESTROOM GATE D09 - E
 SCALE: 3/8" = 1'-0"



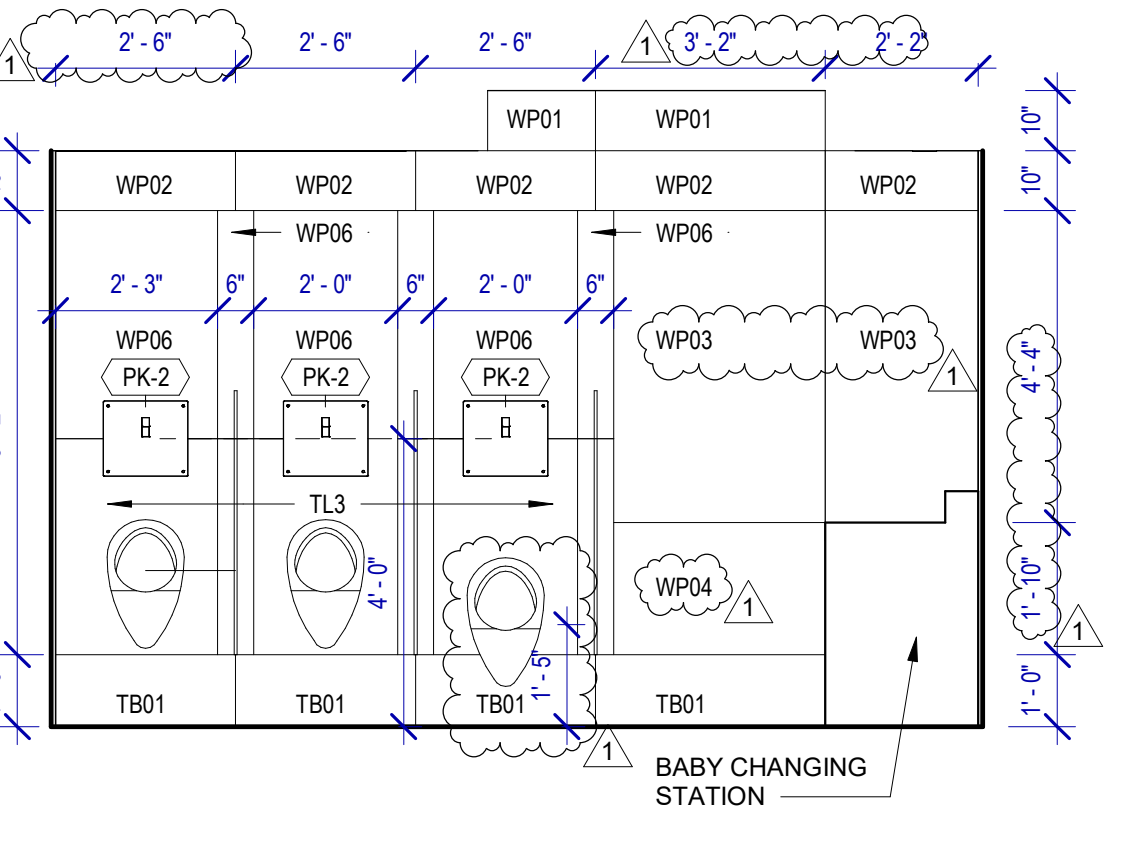
D3 WOMEN'S RESTROOM GATE D09 - F
 SCALE: 3/8" = 1'-0"



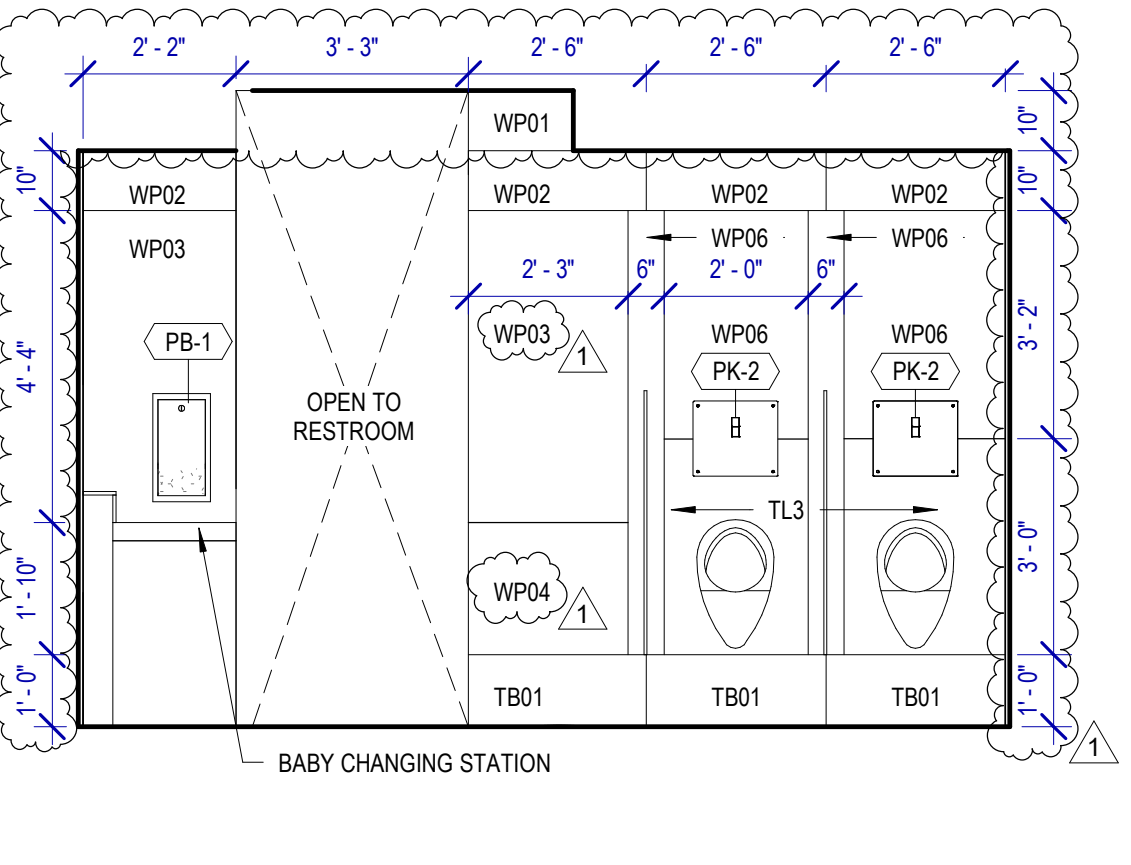
E3 WOMEN'S RESTROOM GATE D09 - G
 SCALE: 3/8" = 1'-0"



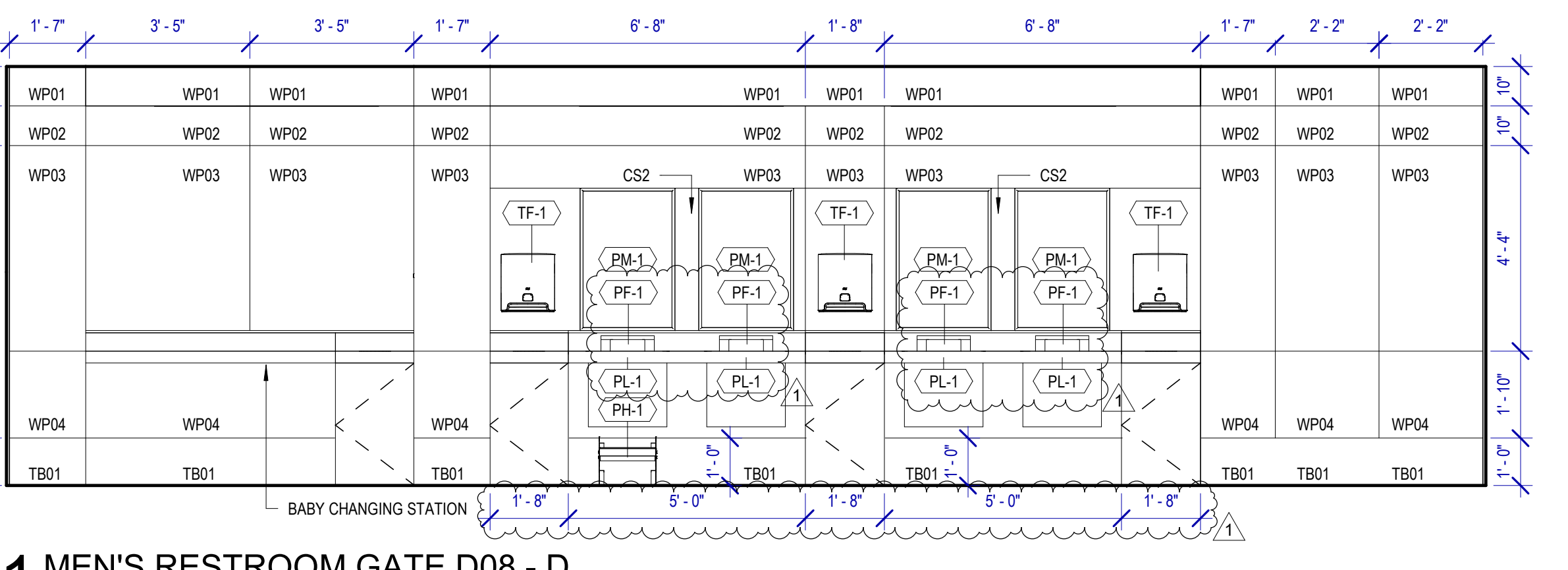
A2 MEN'S RESTROOM GATE D08 - A
 SCALE: 3/8" = 1'-0"



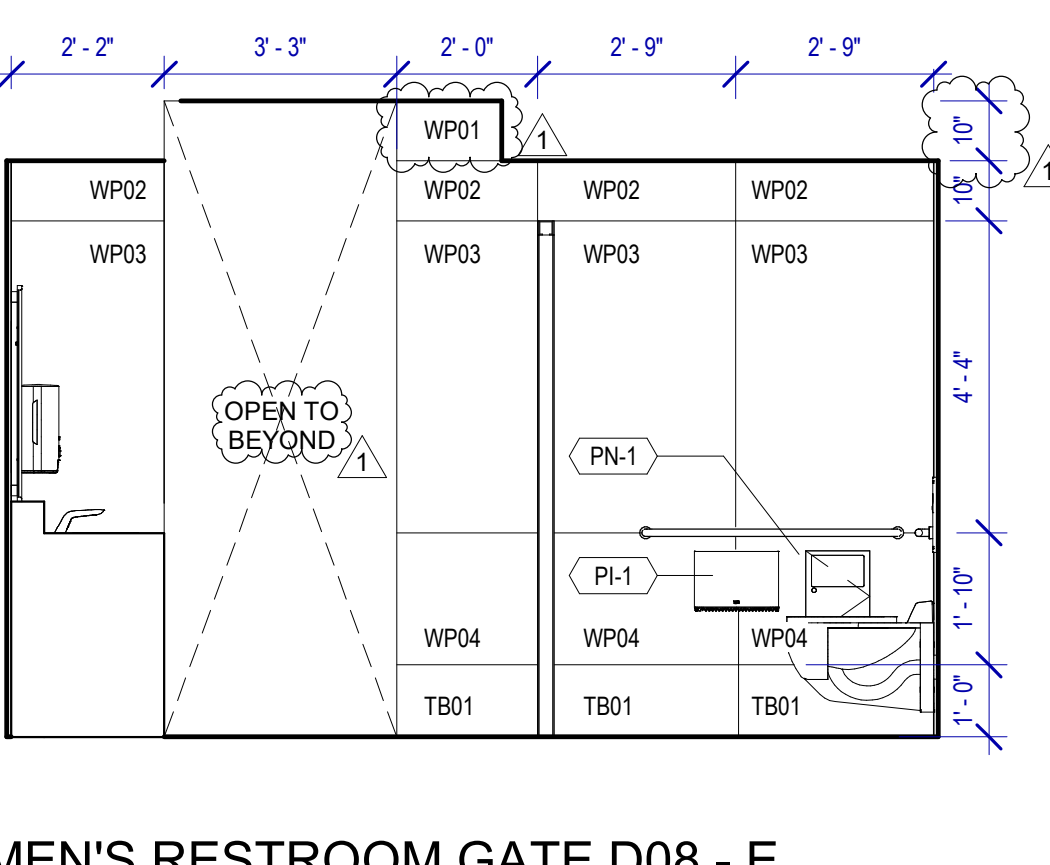
C2 MEN'S RESTROOM GATE D08 - B
 SCALE: 3/8" = 1'-0"



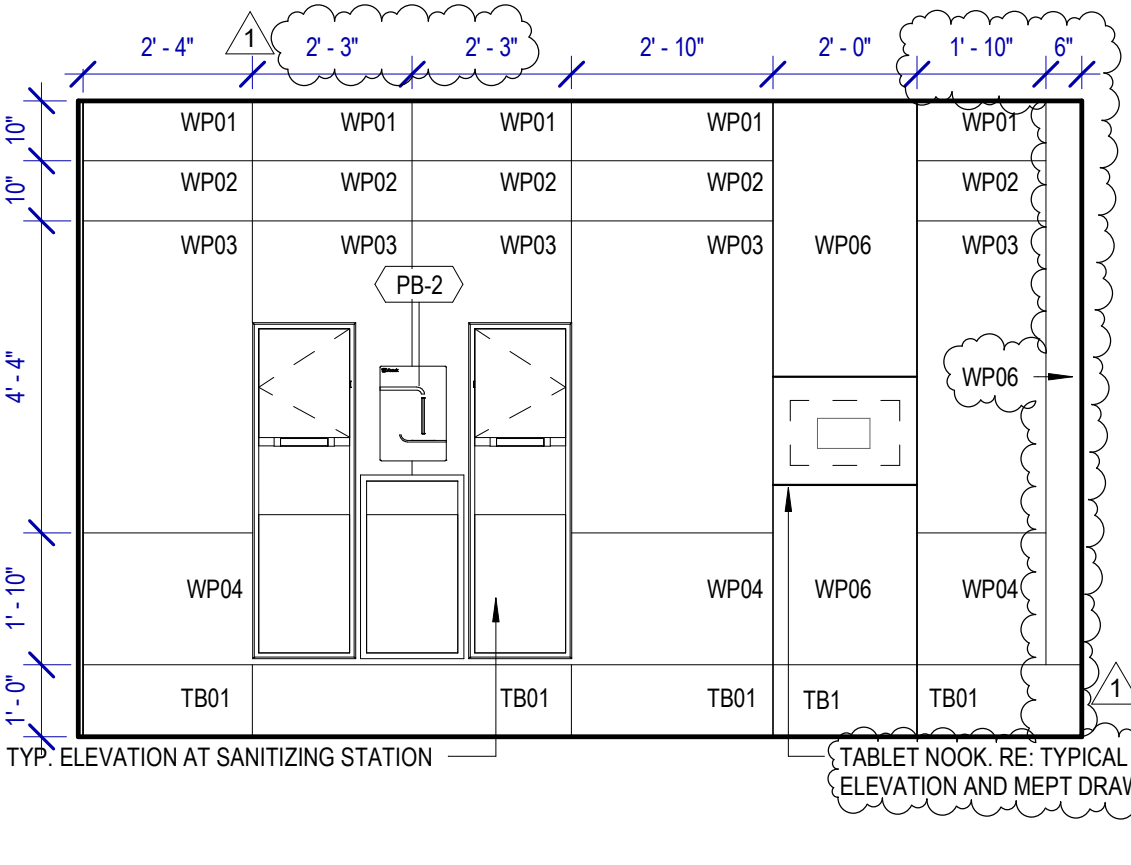
D2 MEN'S RESTROOM GATE D08 - C
 SCALE: 3/8" = 1'-0"



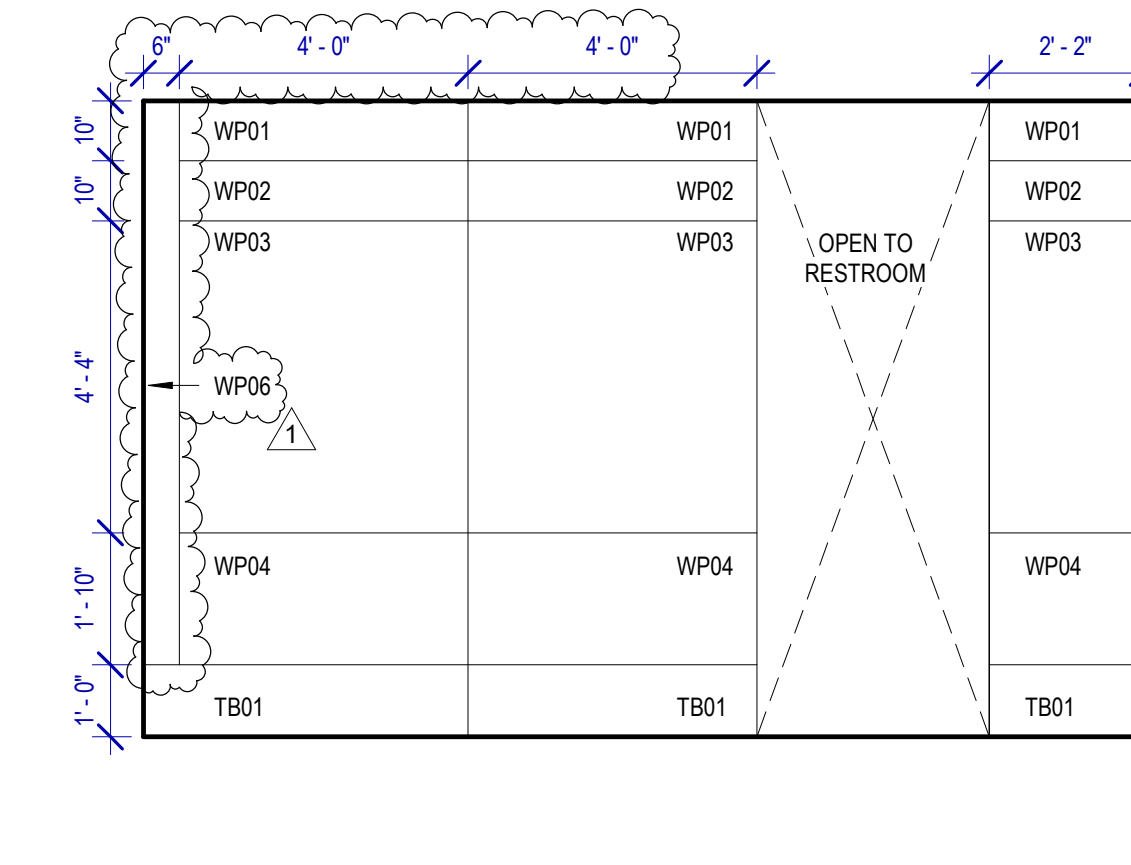
A1 MEN'S RESTROOM GATE D08 - D
 SCALE: 3/8" = 1'-0"



C1 MEN'S RESTROOM GATE D08 - E
 SCALE: 3/8" = 1'-0"

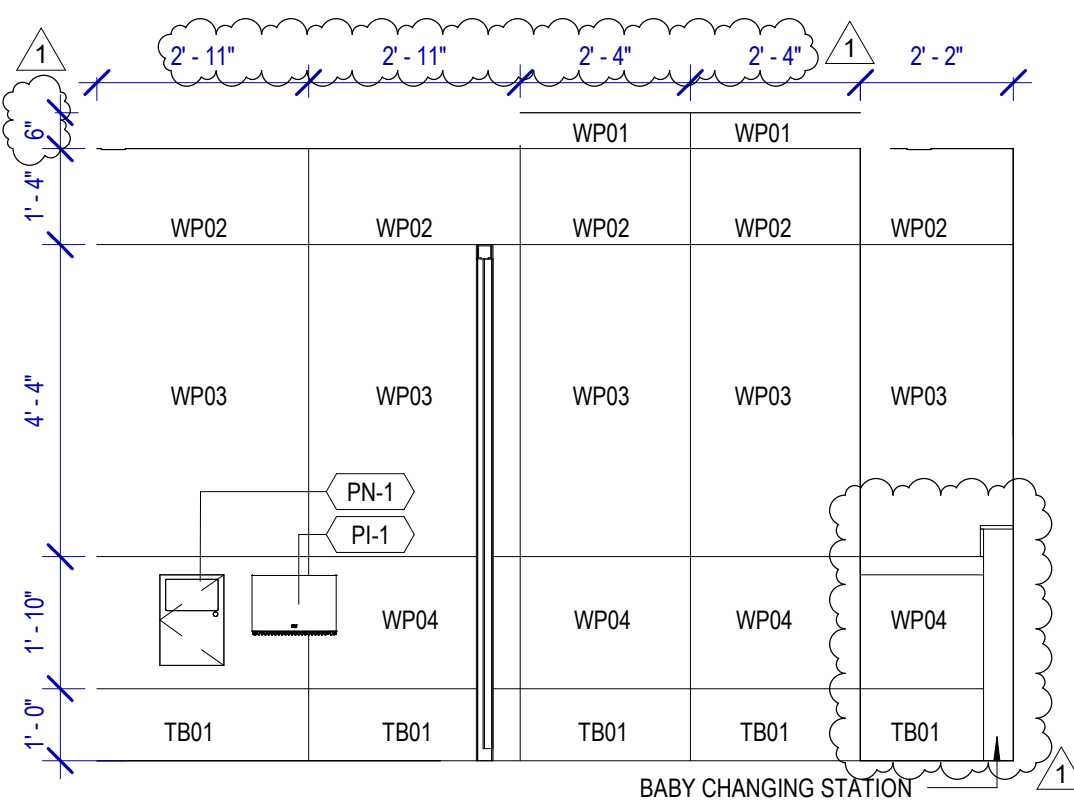


D1 MEN'S RESTROOM GATE D08 - F
 SCALE: 3/8" = 1'-0"

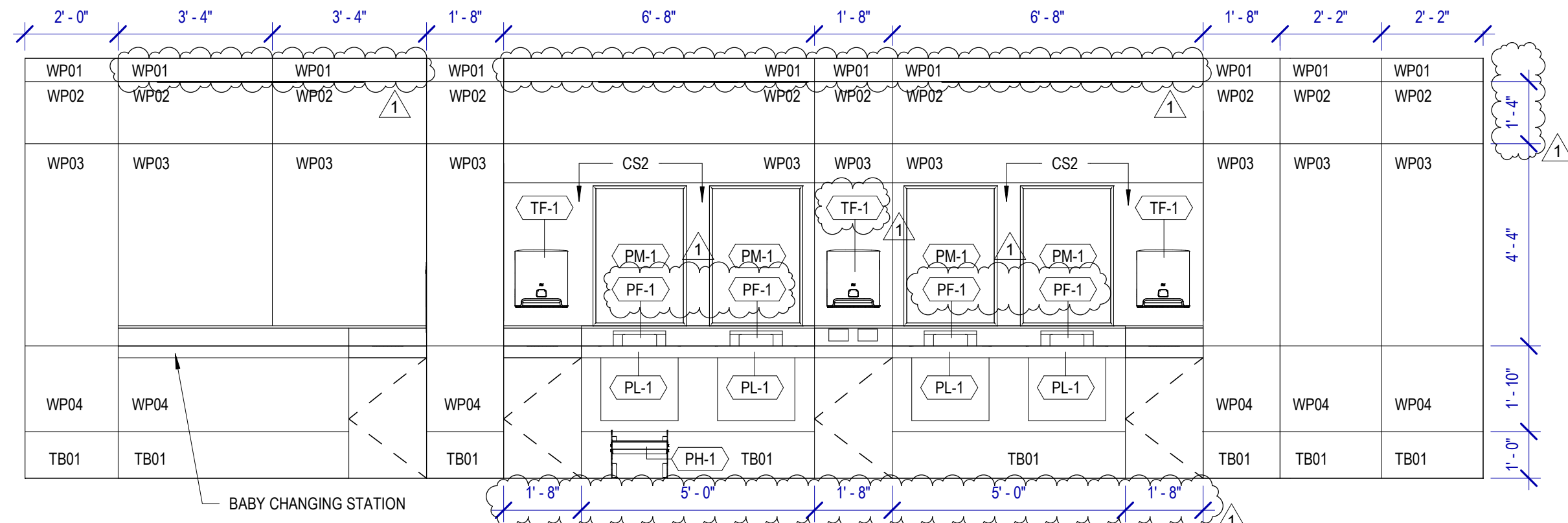


E1 MEN'S RESTROOM GATE D08 - G
 SCALE: 3/8" = 1'-0"

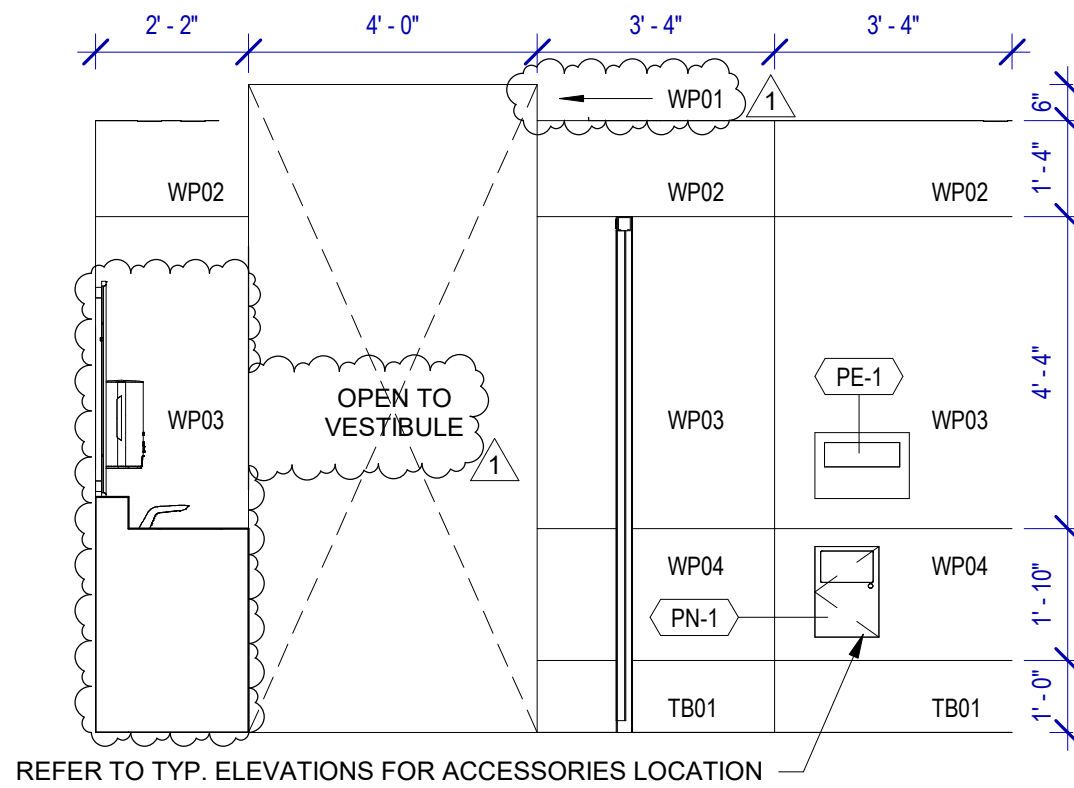
FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:
 PLOT DATE:
 OLD DOA No.:
 DOA DWG FILE:
 PLOT DATE:



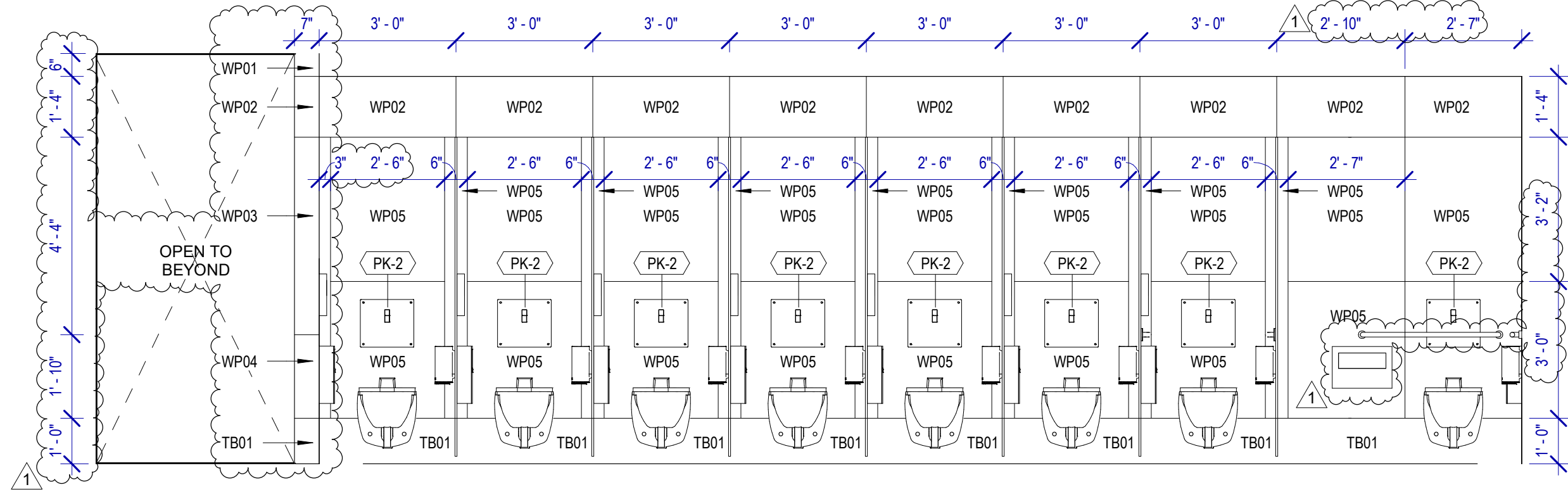
A4 WOMEN'S RESTROOM GATE D07 - A
SCALE: 3/8" = 1'-0"



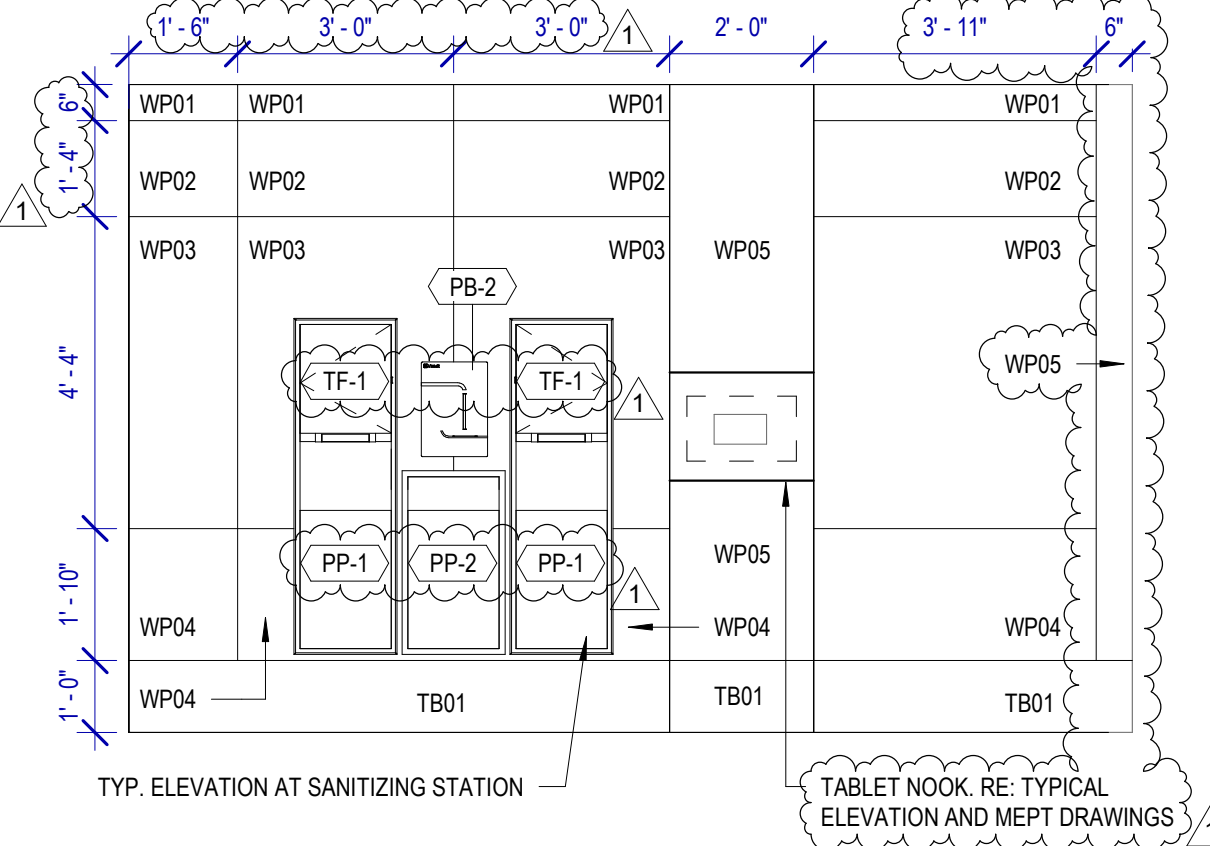
B4 WOMEN'S RESTROOM GATE D07 - B
SCALE: 3/8" = 1'-0"



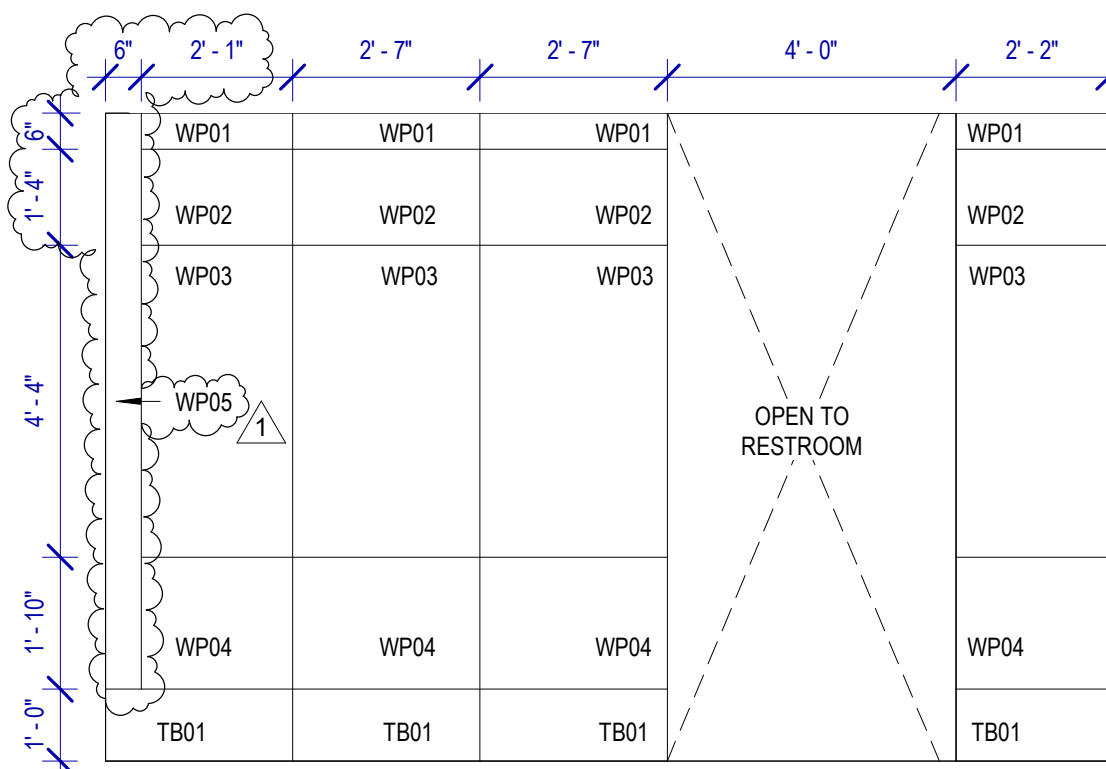
A3 WOMEN'S RESTROOM GATE D07 - C
SCALE: 3/8" = 1'-0"



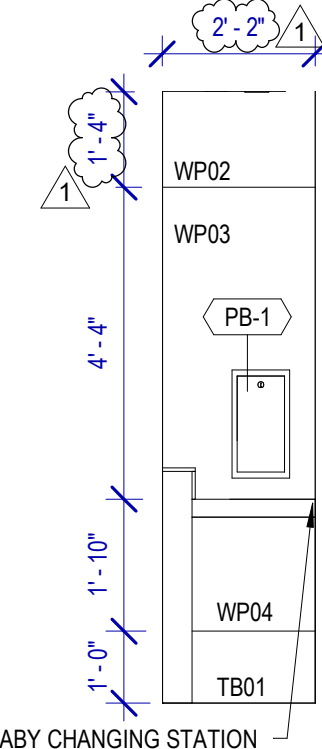
B3 WOMEN'S RESTROOM GATE D07 - D
SCALE: 3/8" = 1'-0"



C3 WOMEN'S RESTROOM GATE D07 - E
SCALE: 3/8" = 1'-0"



A2 WOMEN'S RESTROOM GATE D07 - F
SCALE: 3/8" = 1'-0"



B2 WOMEN'S RESTROOM GATE D07 - G
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-6 BABY CHANGING STATION TOILET PARTITION
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR WB01
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRILINGTON COAT HOOK
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 5626 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU2LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP N WASH SNW-SS 9758

PLUMBING FIXTURES

- PL-1 BRADLEY WB-TR1 TERREON UNDERMOUNT KIT
- PL-2 BRADLEY OMNIDECK LD-5010
- PT-1 TOTO WALL MOUNTED TOILET CT708VVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION

INTERIOR ELEVATIONS NOTES

1. REFER TO SHEET A600 FOR FINISH LEGEND.
2. AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
3. AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET TISSUE DISPENSER AND CLOSEST TO BACK WALL TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL SHOWN IN THE WOMEN LAYOUTS. THE TOP OF SEAT COVER DISPENSER SHALL BE 2 INCHES UNDER THE BOTTOM OF GRAB BAR.
4. ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
5. PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
6. REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
7. INSTALL CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS
C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS
800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com
JONES ENGINEERS, L.P.
HENDERSON ROGERS
structural engineers
5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com
PGA ENGINEERS, INC

DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING
REGISTERED ARCHITECT DANIEL ORTIZ
STATE OF TEXAS
04.30.24

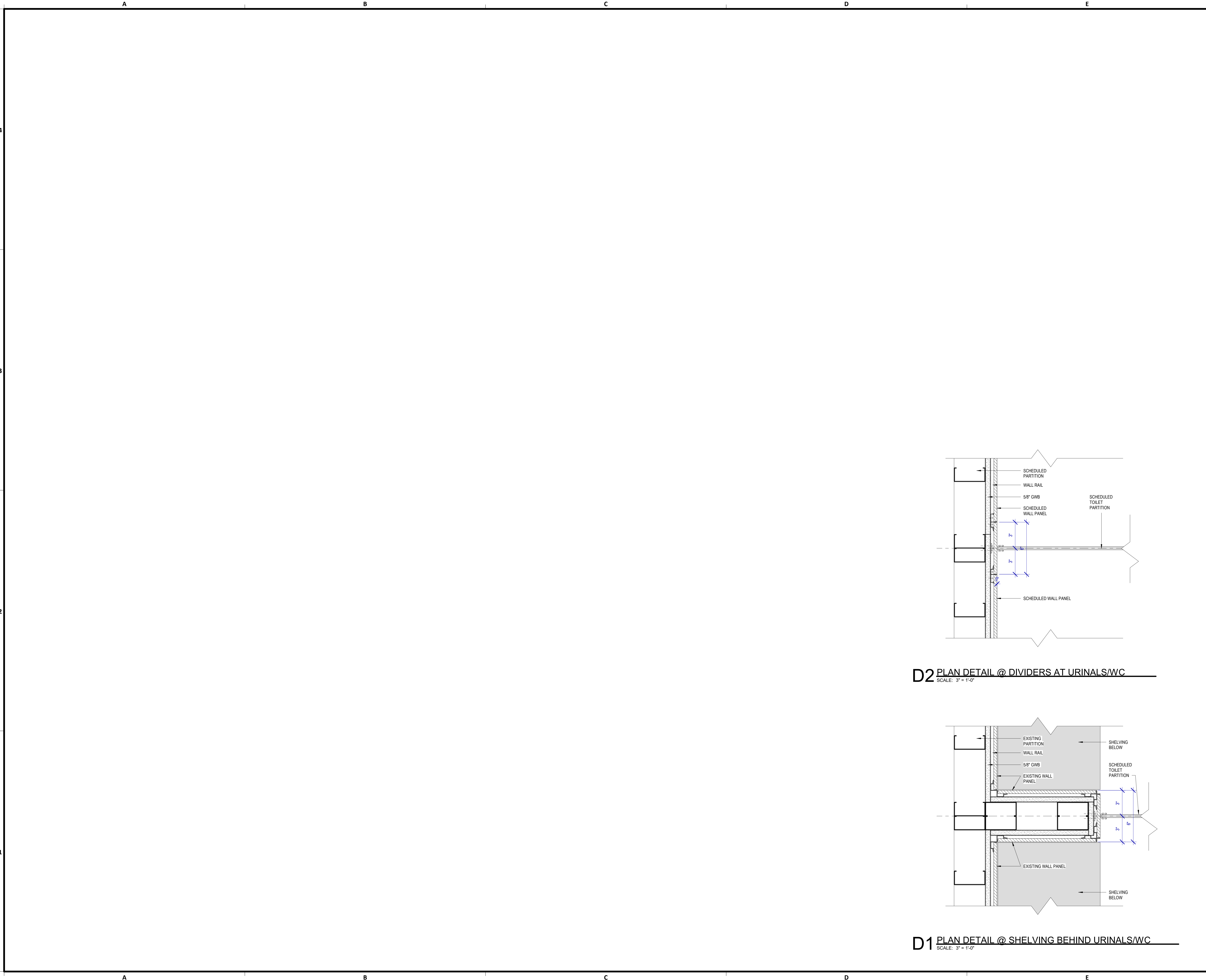
SHEET NAME: WOMEN'S RESTROOM ELEVATION - GATE D07
SHEET No. A-427 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
PLOT DATE: 04.30.24
DOA DWG FILE: A-427
OLD DOA No.:
HAS FILE:

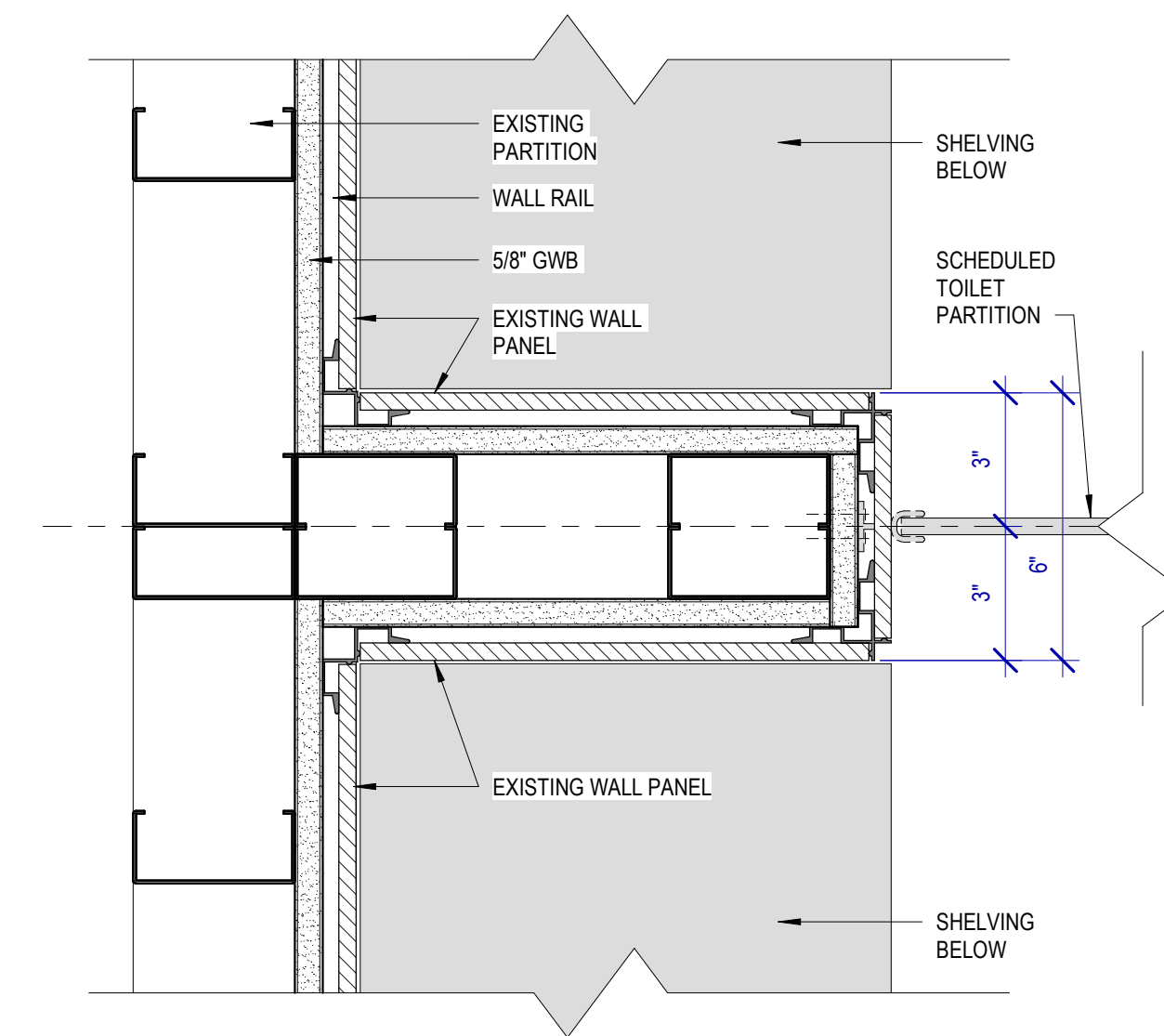
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/1429.12_Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt

HAS FILE:



D2 PLAN DETAIL @ DIVIDERS AT URINALS/WC
SCALE: 3" = 1'-0"



D1 PLAN DETAIL @ SHELVING BEHIND URINALS/WC
SCALE: 3" = 1'-0"



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No.	A.I.P. No.
E.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com



DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Received/Approval Category
IFB
ISSUED FOR BIDDING

SHEET NAME: PLAN DETAILS

SHEET No.: A-501 **SCALE:** 3" = 1'-0"

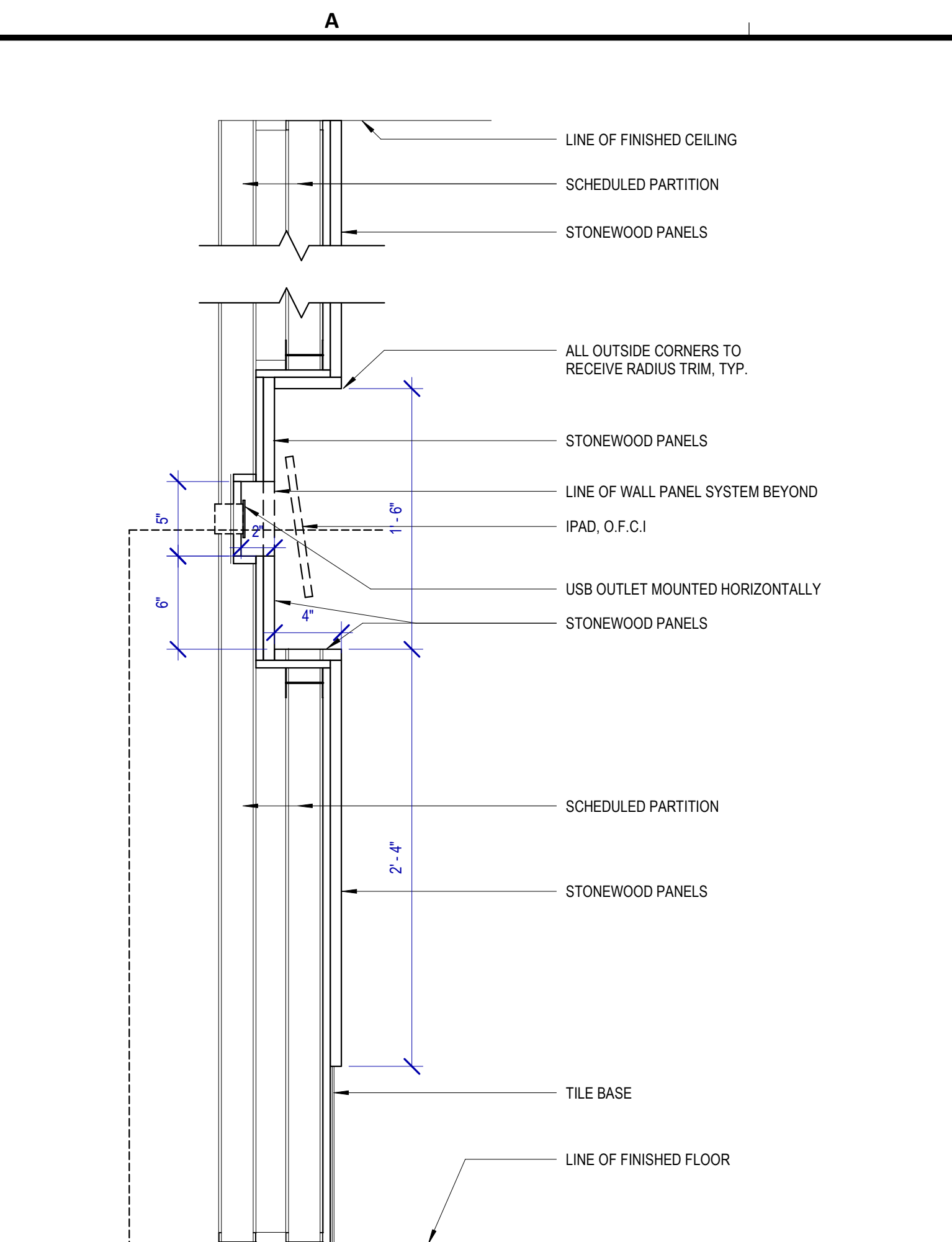
SHEET SIZE: 30"x42" ARCH E1

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

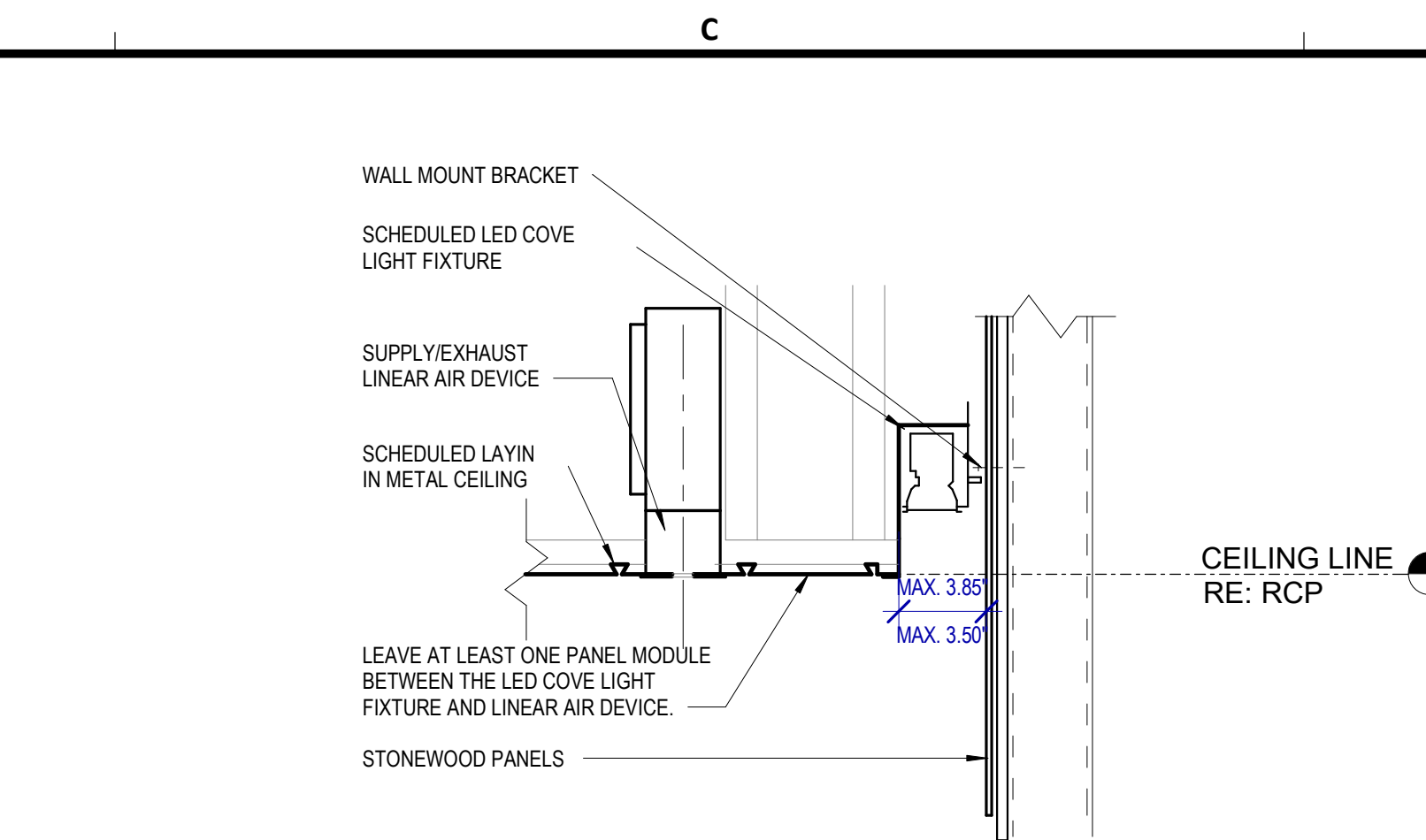
DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

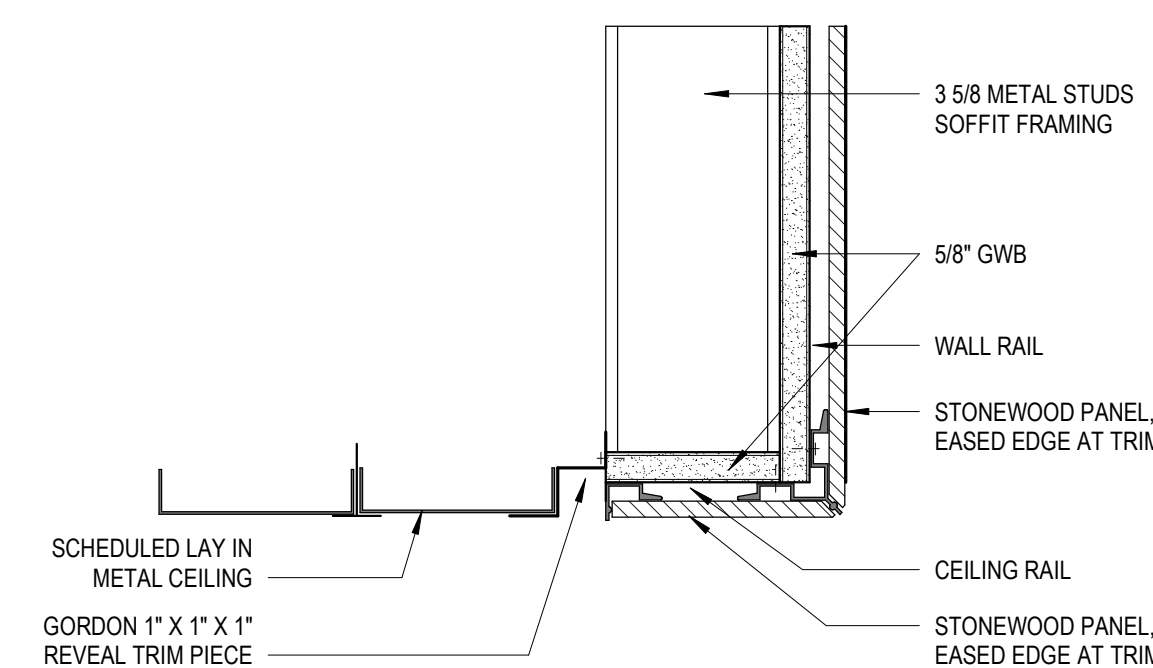
Issued/Approval Category
IFB
ISSUED FOR BIDDING



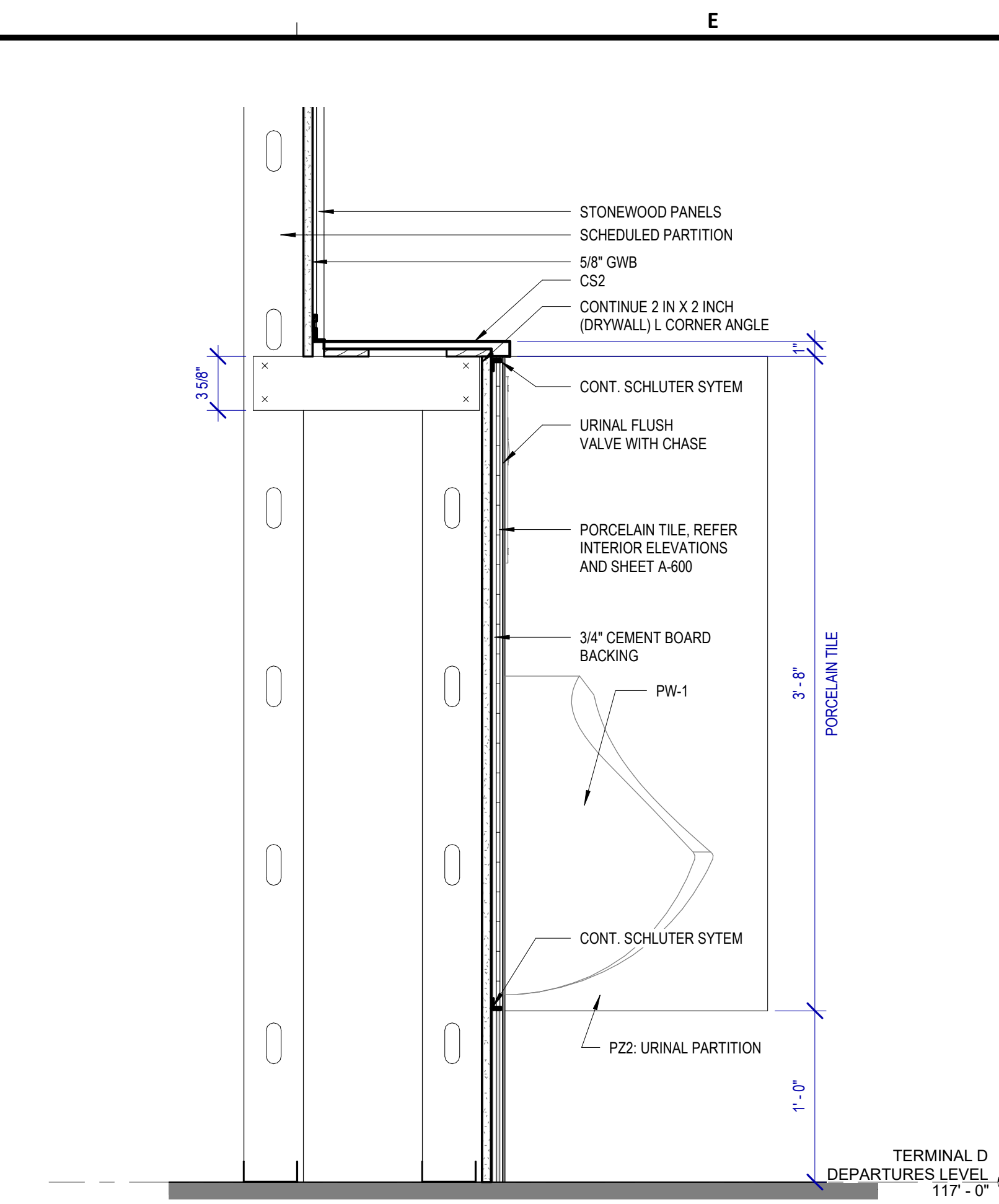
A3 SECTION DETAIL @ CUSTOMER SERVICE IPAD DOCKING
SCALE: 1 1/2" = 1'-0"



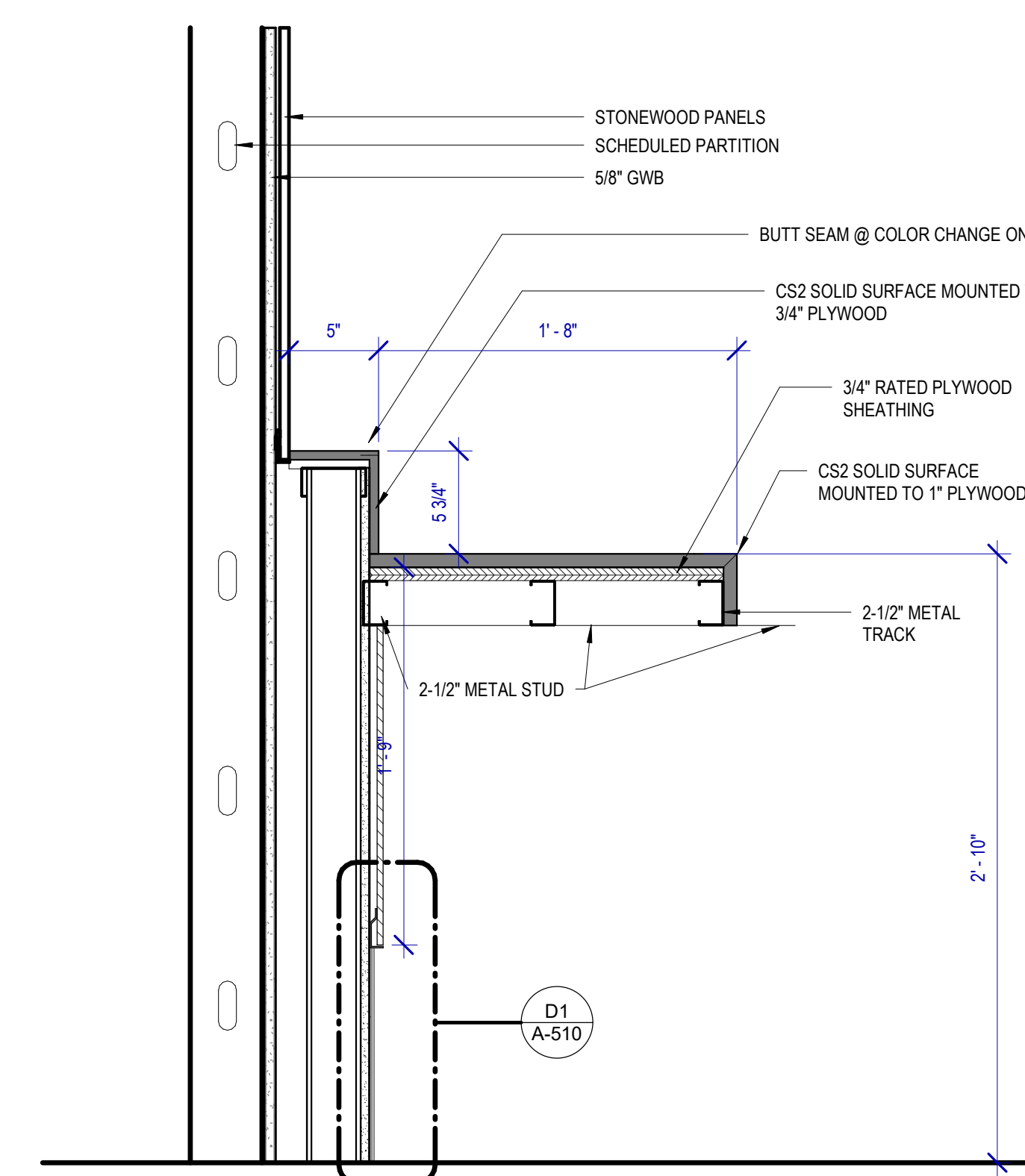
B4 SECTION DETAIL @ COVE
SCALE: 1 1/2" = 1'-0"



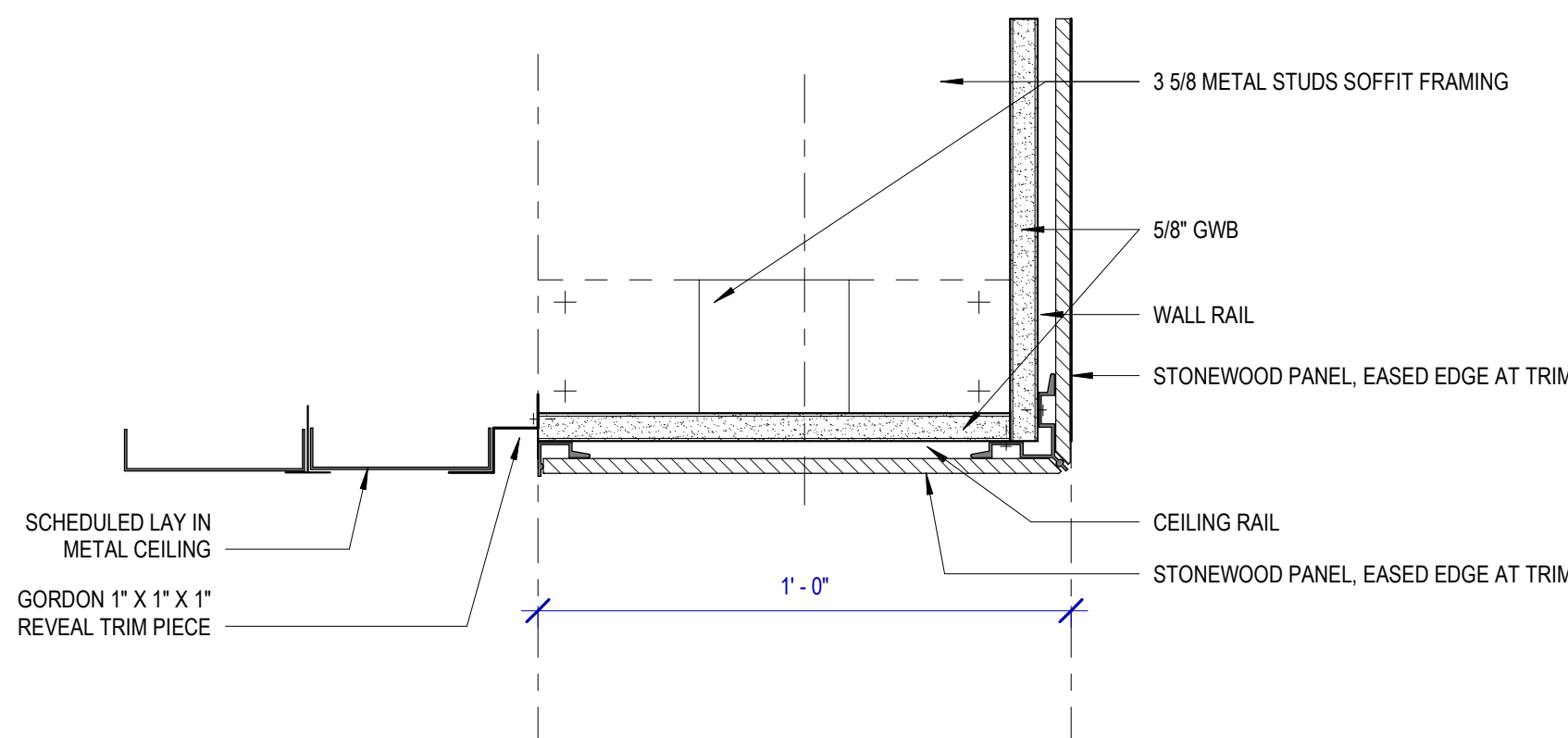
B3 SECTION DETAIL @ SOFFIT
SCALE: 3" = 1'-0"



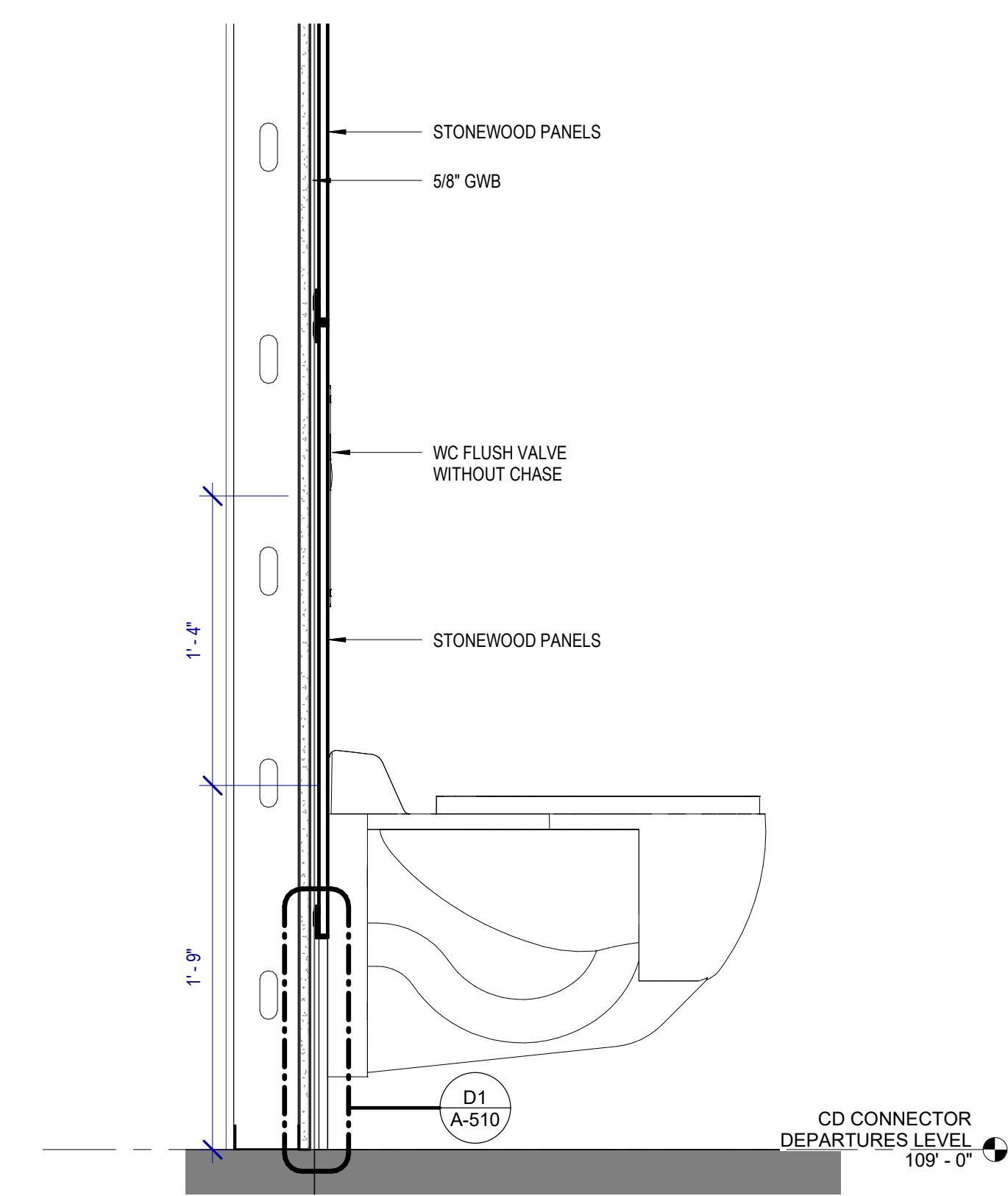
D3 SECTION DETAIL @ URINALS (SHELVING)
SCALE: 1 1/2" = 1'-0"



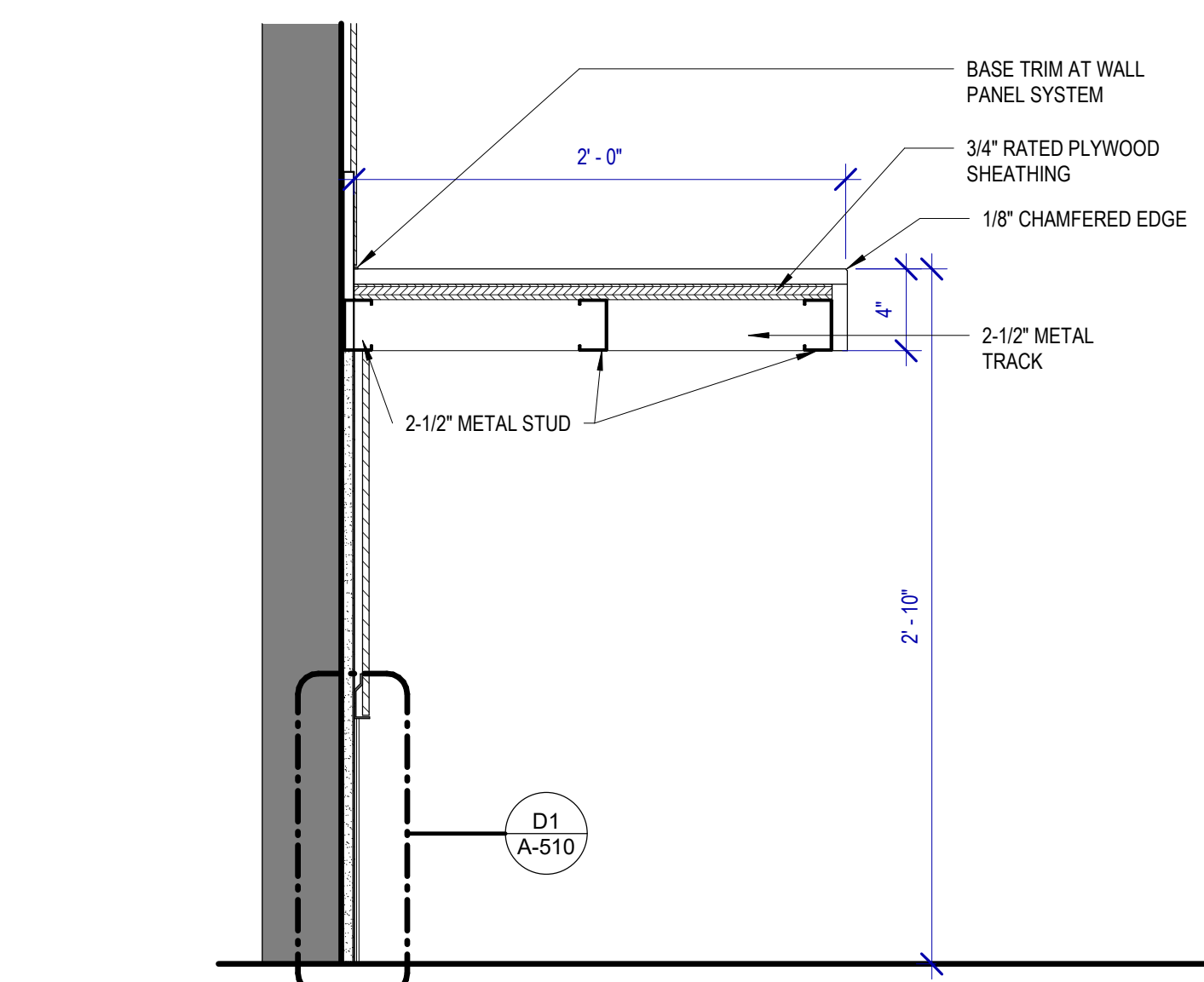
A2 SECTION DETAIL @ BABY CHANGING COUNTER TOP 2
SCALE: 1 1/2" = 1'-0"



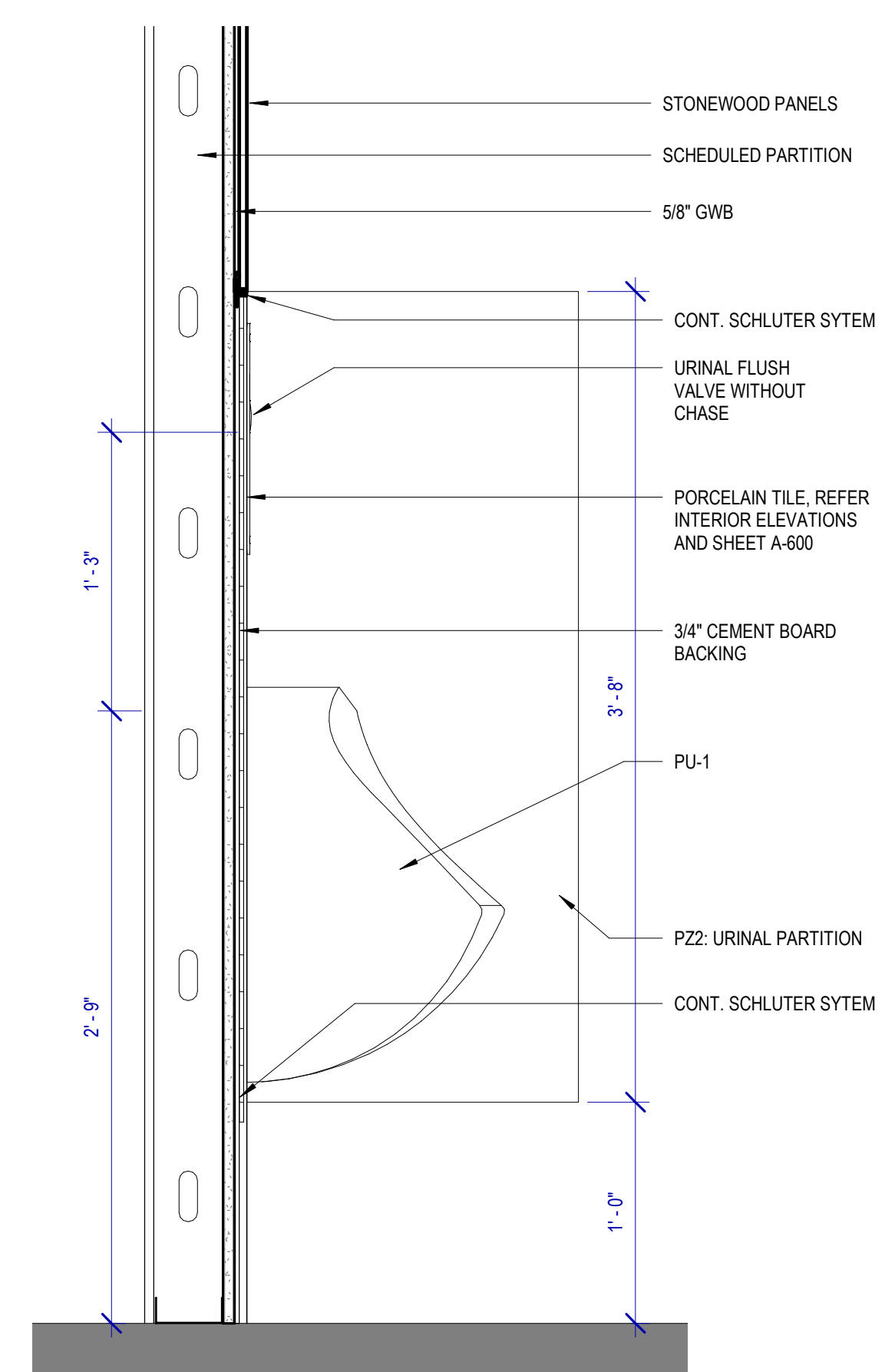
B2 SECTION DETAIL @ SOFFIT OVER BATHROOM STALL
SCALE: 3" = 1'-0"



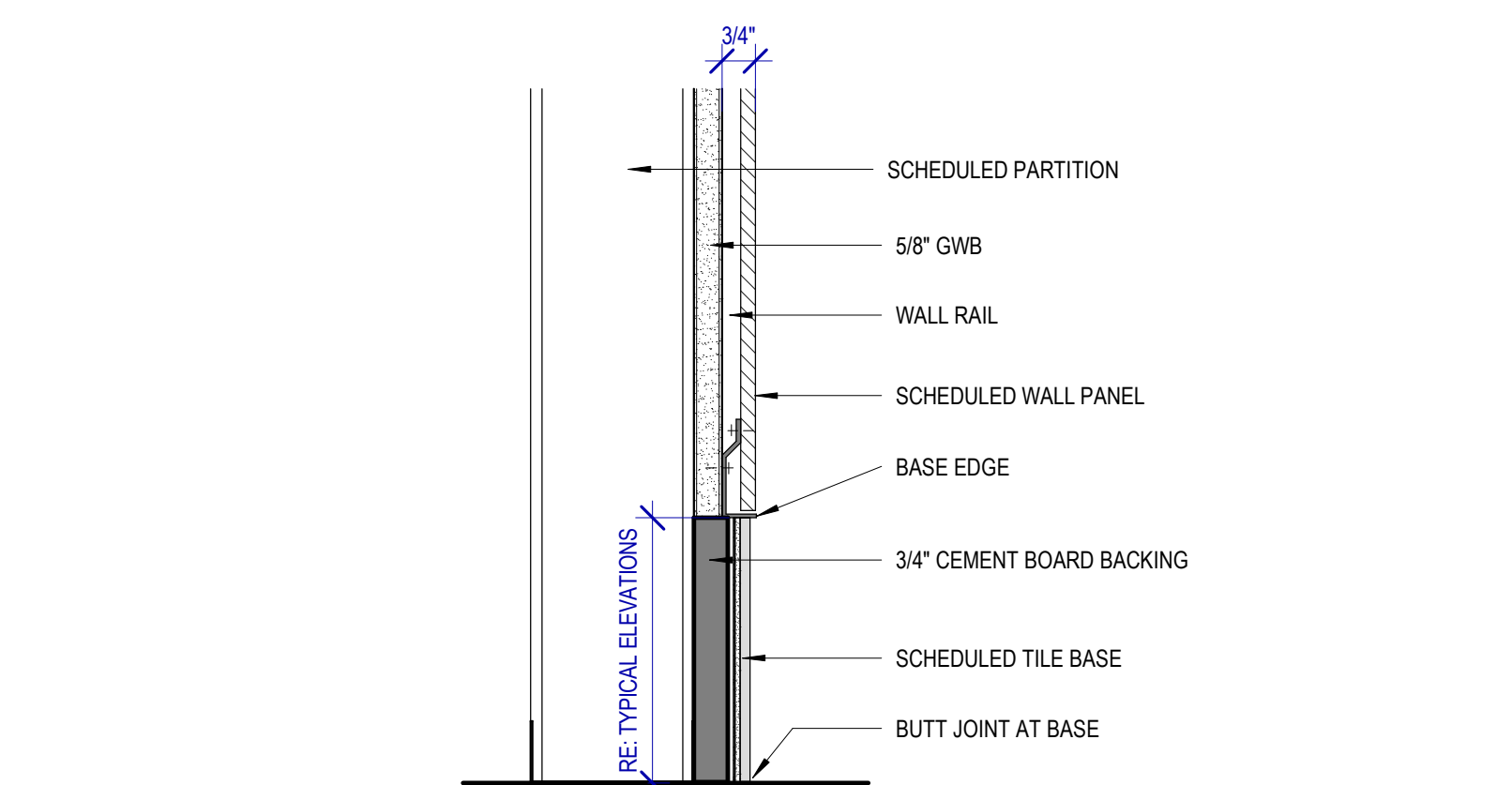
D2 SECTION DETAIL @ WATER CLOSET
SCALE: 1 1/2" = 1'-0"



A1 SECTION DETAIL BABY CHANGING COUNTER TOP
SCALE: 1 1/2" = 1'-0"



B1 SECTION DETAIL @ URINALS
SCALE: 1 1/2" = 1'-0"



D1 SECTION DETAIL @ TILE BASE TO WALL PANEL
SCALE: 3" = 1'-0"

C.I.P. No.	A.I.P. No.
E.O.H. No.	D.O.A. No.
B.S.G. No.	H.A.S. No.
T.I.P. No.	24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com



DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

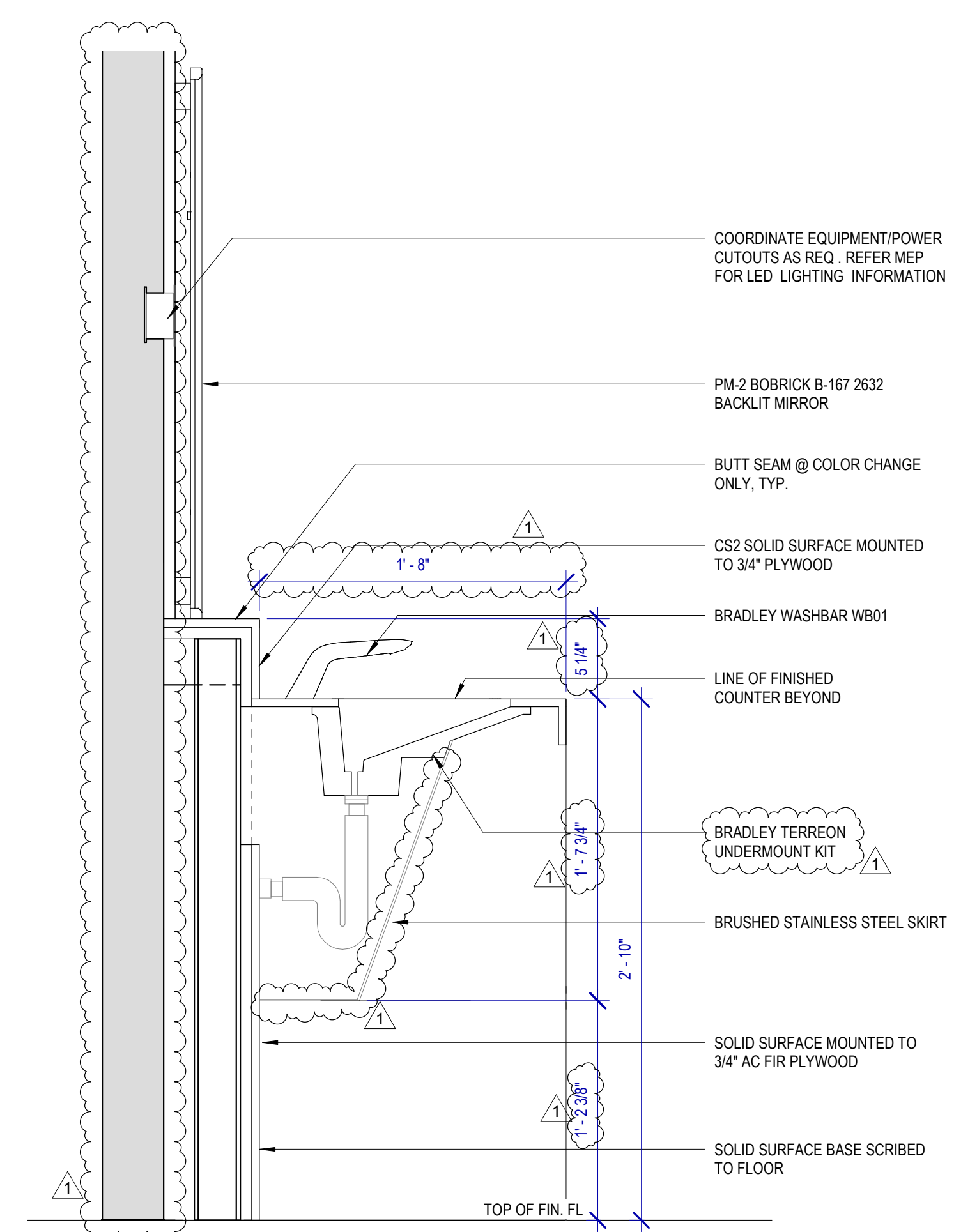
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

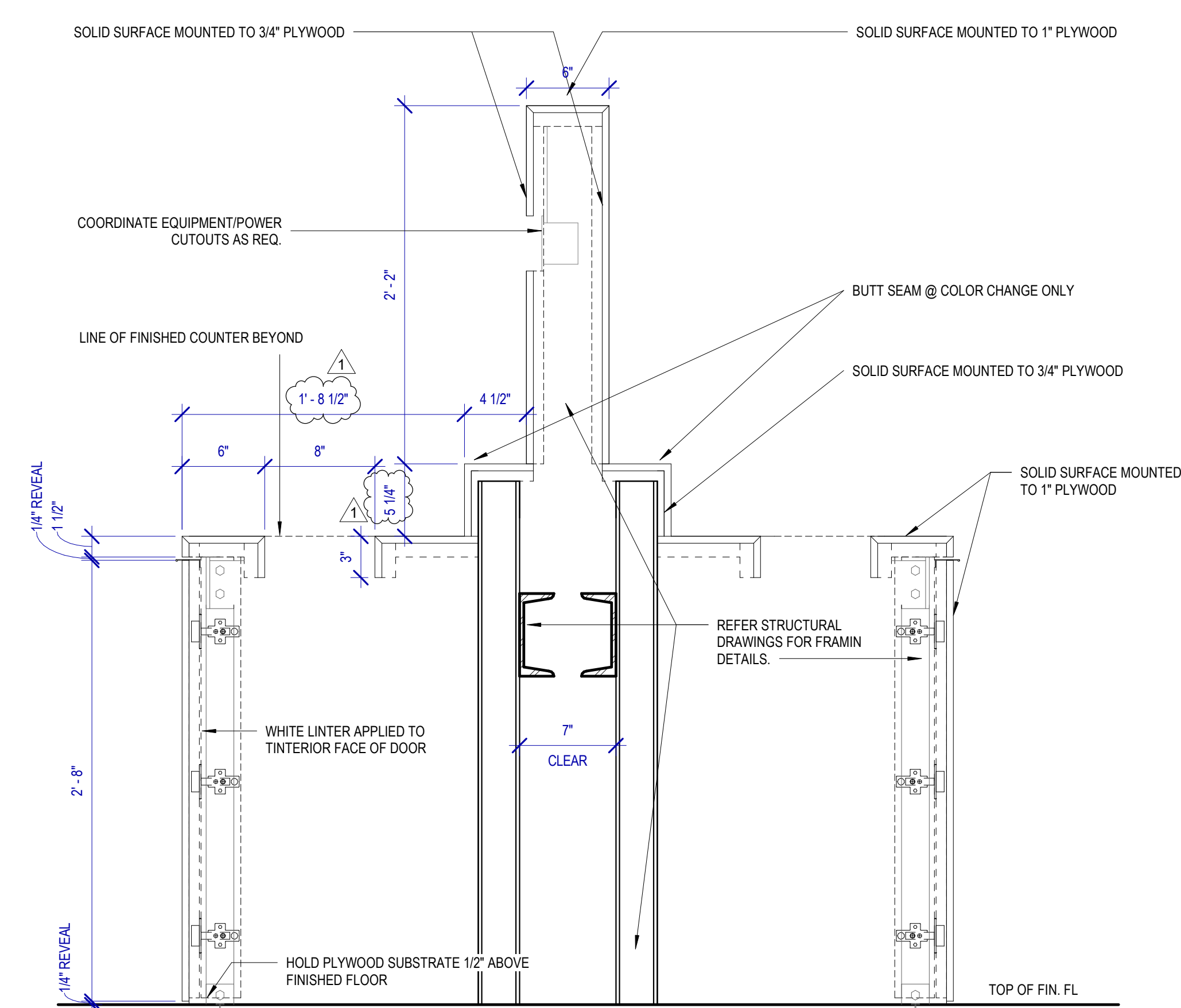
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Noted/ Approval Category
IFB
ISSUED FOR BIDDING

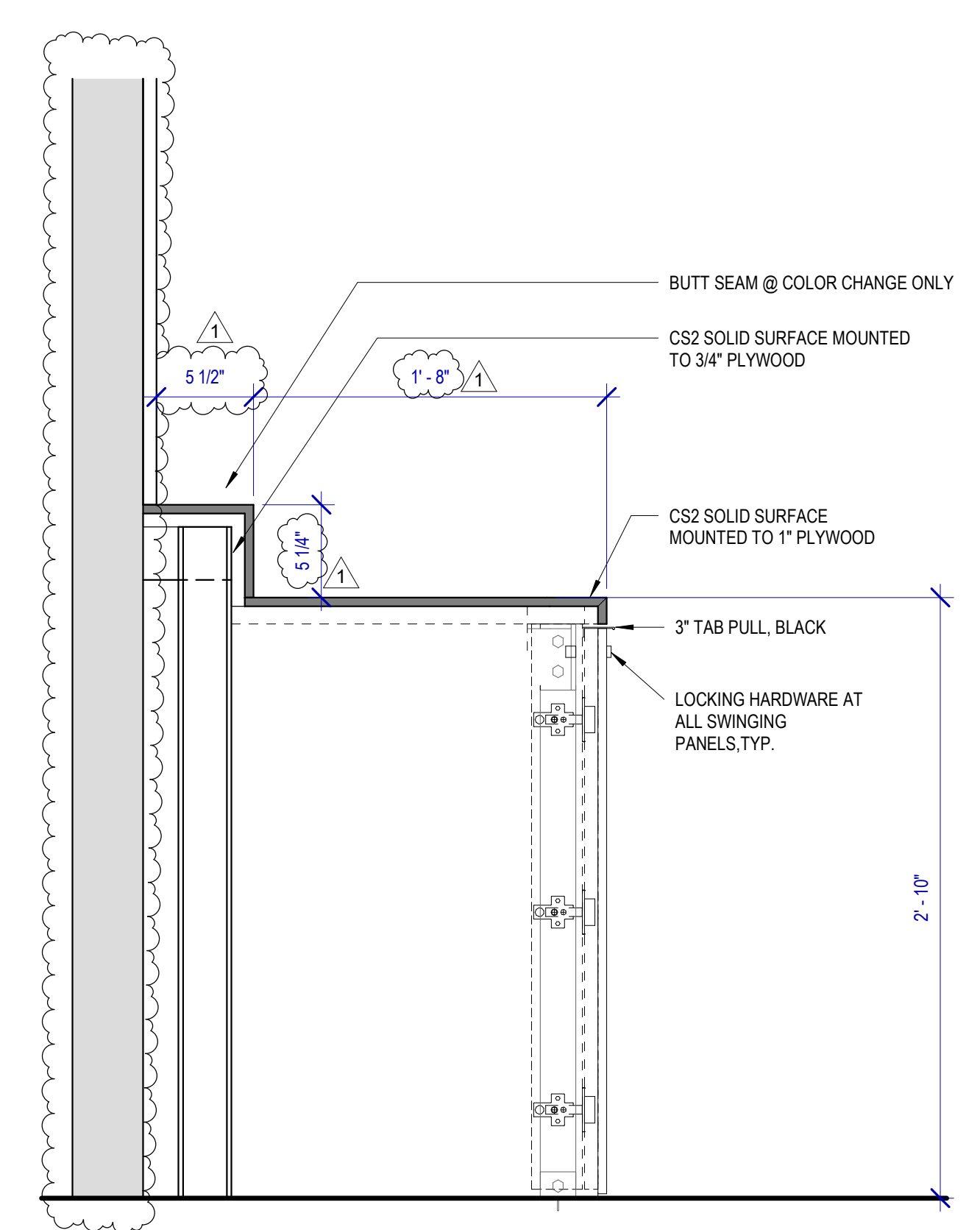
SHEET NAME: SECTION DETAILS
SHEET No. A-511 SCALE: 1 1/2" = 1'-0"
SHEET SIZE: 30"x42" ARCH E1



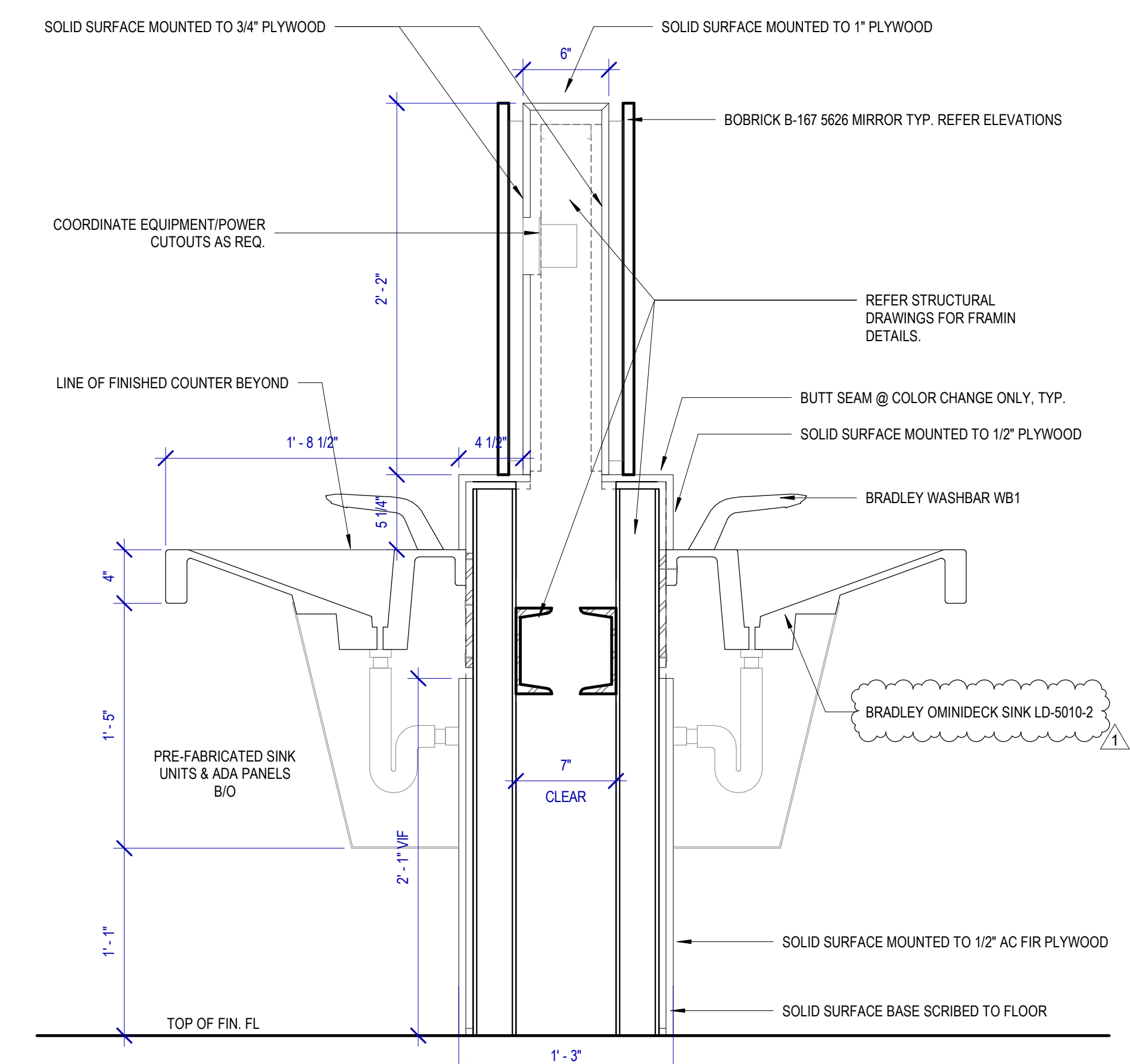
B3 SECTION DETAIL @ SINGLE SIDE LAVATORY
SCALE: 1 1/2" = 1'-0"



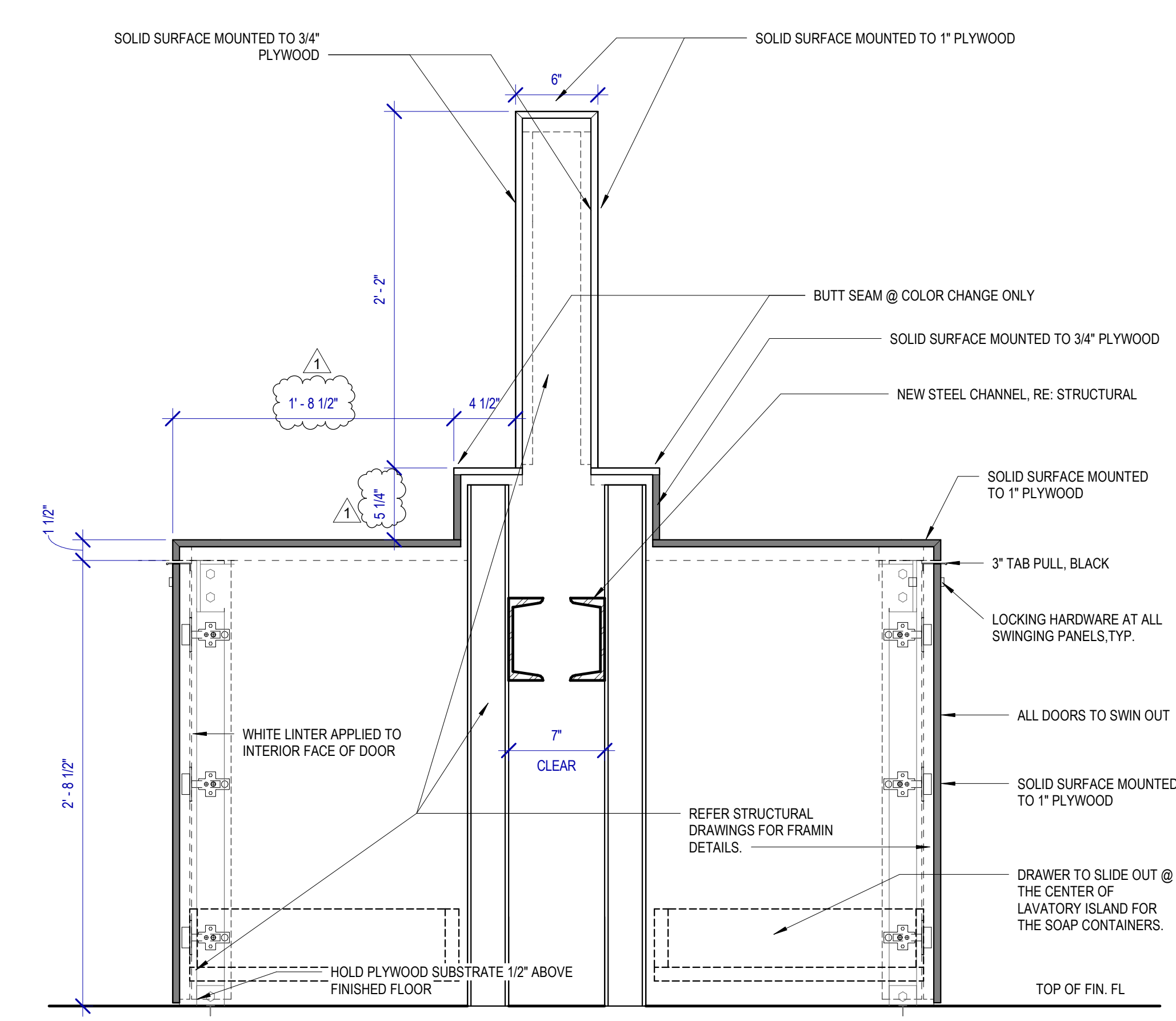
D3 SECTION DETAIL @ TRASH UNIT
SCALE: 1 1/2" = 1'-0"



A1 SECTION DETAIL @ SINGLE SIDE SINK STATION
SCALE: 1 1/2" = 1'-0"



B1 SECTION DETAIL @ PRE-FAB SINK UNIT
SCALE: 1 1/2" = 1'-0"



D1 SECTION DETAIL @ ISLAND SWING PANEL
SCALE: 1 1/2" = 1'-0"

FILE PATH: BIM 360//1429.12_Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 PLOT DATE: DOA DWG FILE: OLD DOA No.:
 HAS FILE: PLOT DATE:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt

HAS FILE:

FINISHES GENERAL NOTES

- ALL WALL/CEILING MATERIALS SHALL MEET FLAME SPREAD CLASS REQUIRED PER IBC TABLE 803.9
- REFER TO SHEET G-002 & G-003 FOR GENERAL NOTES, KEYS AND SYMBOLS.
- INTERIOR FLOOR FINISHES ARE REFERENCES FROM THE MATERIAL & FINISH KEY OR FROM THE FLOOR PLANS
- REFER TO INTERIOR ELEVATION SHEETS FOR ADDITIONAL FINISH INFORMATION.
- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND SPECIFICATIONS.
- ALL WALLS TO RECEIVE BASE 'TB1' U.N.O
- REFER TO FINISH FLOOR PLANS FOR TRANSITIONS.
- ALL GYPSUM BOARD CEILINGS TO MATCH ADJACENT EXISTING PAINT FINISH PER HAS STANDARDS
- PROVIDE 10% ATTIC STOCK ON ALL FINISHES
- ALL FINISHES TO BE VERIFIED W/ OWNER PRIOR TO PROCURMENT
- PATCH AND REPAIR FINISHES AS REQUIRED DUE TO DEMOLITION WORK AND INSTALLATION OF SIGNAGE & FIXTURES
- WHERE MULTIPLE MATERIALS, FINISHES &/OR VARIATIONS IN ELEVATION ARE SPECIFIED FOR A SINGLE SURFACE, REFERENCE INFORMATION IS LOCATED ON THE PLANS AND ELEVATIONS.
- WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH FACE OF WALL.
- INSTALL NEW 1/4" CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN WALL TILE.
- CONTRACTOR TO PROVIDE ANY SUBSTRATE NECESSARY FOR PATCHING WORK. FOR INSTALLATION OF NEW TRESPA PANEL WALL SYSTEM, PORCELAIN WALL TILE, PORCELAIN FLOOR TILE AND ANY OTHER FINISH REQUIRED PER CONTRACT DOCUMENTS.

PAINT

- ALL GWB CEILINGS TO RECEIVE PT01 PAINT
- ALL PAINT TO BE APPLIED IN ACCORDANCE TO THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
- ALL EXISTING DOORS TO RECEIVE PT01 PAINT.

FLOORING

- LARGE FORMAT TILE TO BE INSTALLED OVER A FRACTURE MEMBRANE PER SPECIFICATIONS.
- ALL SLABS ON GRADE TO RECEIVE WATER PROOFING AND ARDEX FOR SMOOTH FINISH IF INSTALLING IMPERMEABLE MATERIAL AS SCHEDULED.
- ALL CHANGES IN FLOOR MATERIAL BETWEEN ROOMS SHALL OCCUR AT THE CENTERLINE OF THE DOOR U.N.O.
- GROUT COLOR TO MATCH ADJACENT STONE / TILES. ALL STONE / TILE SURFACES TO BE FLUSH. NO ABRUPT LIPS OR EDGES. SUBMIT SAMPLES TO BE APPROVED BY ARCHITECT.
- PROVIDE SOFT JOINT AT ALL TILE INSIDE CORNER CONDITIONS AND 90 DEGREE CORNERS AT FLOOR TILE CORNER. COLOR TO MATCH SCHEDULED GROUT.
- TILE BASE GROUT LINES TO ALIGN W/ WALL PANEL JOINTS.
- ALL WET AREAS TO RECEIVE EPOXY GROUT.

MATERIAL & FINISH KEY

DIVISION 3 - CONCRETE MORTAR

MF1 SIKÁQUICK® SMOOTH FINISH - LIGHTWEIGHT MORTAR FOR CONCRETE REPROFILING - COLOR: PRECAST GREY. SEAL WITH SIKAGUARD 740 W.

DIVISION 5 - METALS

MP1 STAINLESS STEEL WALL PANEL. 11/12 GAUGE MIN.

DIVISION 8 - OPENINGS

MIRROR
PM2 6MM SILVERED FLAT GLASS MIRROR. SECURE TO WALL WITH CONSTRUCTION ADHESIVE

DIVISION 9 - FINISHES

SOLID SURFACE
CS1 CORIAN - SOLID SURFACE - GLACIER WHITE
CS2 CORIAN - SOLID SURFACE - CARBON CONCRETE

CEILING

MC1 TORSION SPRING CEILING
GORDON - R116-1645T23 23% OPENING AV-3000 GRID, NO REVEAL - 2' X 4', 0.063" THICK ALUMINUM, 1/4" SOLID BORDER - PDR-60144 BLANCO MATTE
REMARKS: 1 1/8" HOLES X 7/8" STRAIGHT CIRCLES W/ 1" X 1 1/2" DENSITY BLACK ACOUSTICAL PADS.

MC2

TURN-KEY CEILING
PANEL SIZE: 3' 1/2" LINEAR PANELS
MATERIAL: 0.040" THICK ALUMINUM WITH 1" UPTURNS
PERF SPEC: R116-532DG12 12% OPENING - DIAGONAL CENTERS - NO REVEAL
FINISH: EXPOSED SURFACES POWDER COATED ACRUGUARD PDR-60813 (STERLING BONDED)
INSULATION: 1" X 1 1/2" DENSITY BLACK PVC ACOUSTICAL PADS IN-FILL PANELS SHIPPED STOCK LENGTHS FOR FIELD CUTTING.

MC3

TURN-KEY CEILING
PANEL SIZE: 6" LINEAR PANELS
MATERIAL: 0.040" THICK ALUMINUM WITH 1" UPTURNS
PERF SPEC: R116-532DG12 12% OPENING - DIAGONAL CENTERS - NO REVEAL
FINISH: EXPOSED SURFACES POWDER COATED ACRUGUARD PDR-60813 (STERLING BONDED)
INSULATION: 1" X 1 1/2" DENSITY BLACK PVC ACOUSTICAL PADS IN-FILL PANELS SHIPPED STOCK LENGTHS FOR FIELD CUTTING.

WALL FINISH

WP01 STONEWOOD (MONARCH METALS TRIMS SYSTEM) 10MM THK - 9194-CB WHITE ICE
REMARKS: VARYING SIZES, RE: TYP. ELEVATIONS FOR SIZES AND INSTALL

WP02

STONEWOOD (MONARCH METALS TRIMS SYSTEM) 10MM THK - 5919-AB STONE GRAY
REMARKS: VARYING SIZES, RE: TYP. ELEVATIONS FOR SIZES AND INSTALL

WP03

STONEWOOD (MONARCH METALS TRIMS SYSTEM) 10MM THK - 5407-AB DEVILS LAKE
REMARKS: VARYING SIZES, RE: TYP. ELEVATIONS FOR SIZES AND INSTALL

WP04

STONEWOOD (MONARCH METALS TRIMS SYSTEM) 10MM THK - 2378-AB ELEPHANT
REMARKS: VARYING SIZES, RE: TYP. ELEVATIONS FOR SIZES AND INSTALL

WP05

STONEWOOD (MONARCH METALS TRIMS SYSTEM) 10MM THK - 454 SEI ABET LAMINATI
REMARKS: VARYING SIZES, RE: TYP. ELEVATIONS FOR SIZES AND INSTALL

WP06

STONEWOOD (MONARCH METALS TRIMS SYSTEM) 10MM THK - 1941 SEI ABET LAMINATI
REMARKS: VARYING SIZES, RE: TYP. ELEVATIONS FOR SIZES AND INSTALL

PAINT

PT01 TBD - MATTE - CEILING WHITE - STANDARD CEILING

TILE

TL1 CROSSVILLE LAMINAM - GAUGED PORELAIN TILE - 1M X 3M X 5.6MM THK - SALE
REMARKS: STACKED INSTALLATION. GROUT TO BE MIN. THK PER MFR, COLOR TO BE SELECTED BY MFR FULL RANGE

TL2

CROSSVILLE LAMINAM - GAUGED PORELAIN TILE - 1M X 3M X 5.6MM THK - PIOMBO (ACCENT)
REMARKS: STACKED INSTALLATION. GROUT TO BE MIN. THK PER MFR, COLOR TO BE SELECTED BY MFR FULL RANGE

TL3

CROSSVILLE LAMINAM - GAUGED PORELAIN TILE - 1M X 3M X 5.6MM THK - FUMO
REMARKS: STACKED INSTALLATION. GROUT TO BE MIN. THK PER MFR, COLOR TO BE SELECTED BY MFR FULL RANGE

TB01

CROSSVILLE LAMINAM - GAUGED PORELAIN TILE - 1M X 3M X 5.6MM THK - SALE
REMARKS: CUT IN FIELD 12"H. ALIGN GROUT JOINTS W/ FLOOR TILE. MIN. THK PER MFR. COLOR SELECTED BY MFR FULL RANGE

DIVISION 13 - SPECIALTIES

TOILET PARTITIONS

PZ1 THRISLINGTON CUBICLES - K32 FLOW GLASS - CUSTOM IVORY BACK COLORED GLASS PANELS ON LAMINATE PARTITIONS. INTEGRATED OCCUPANCY STALL LIGHT. 3 1/8 INCHES GAP AT THE BOTTOM U.C.O.
DOORS: MDF CORE WITH CUSTOM IVORY BACK PAINTED GLASS ON BOTH SIDES. STAINLESS STEEL HARDWARE AND HYDRAULIC CLOSER
DIVIDER PANELS: PHENOLIC PANEL - WHITE NON GLASSY FINISH
REMARKS: INDICATOR, CONTINUES CONCEALER @ DOOR EDGES, OUT-SWINGING DOOR ON PIVOT HINGE W/ ROTATING FLOOR PEDESTAL.

PZ2

THRISLINGTON CUBICLES - K32 FLOW GLASS - LAMINATE PARTITIONS COVERED WITH CUSTOM IVORY BACK COLORED GLASS PANELS, NON-GLOSSY SATIN ALUMINUM - 44" H X 18" D
REMARKS: MEN'S RESTROOMS, URINAL PARTITION, CHROME MOUNTING BRACKET TO BE SAND-BLASTED TO COUNTER HIGH REFLECTIVITY

PZ3

THRISLINGTON CUBICLES - K32 FLOW GLASS - LAMINATE PARTITIONS COVERED WITH CUSTOM IVORY BACK COLORED GLASS PANELS, NON-GLOSSY SATIN ALUMINUM - FOR SIZE AND SHAPE REFER TO A-420
REMARKS: BABY CHANGING STATION DIVIDERS



3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
T.I.P. No. 24-86-IAH

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS

structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com



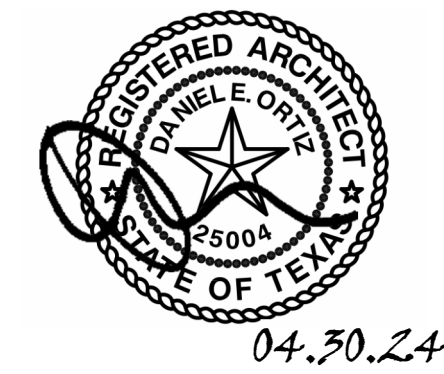
DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	GP

DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING



04.30.24

SHEET NAME:	ROOM FINISH MATERIALS LEGEND
SHEET No.	A-600
SCALE:	As indicated

SHEET SIZE: 30"x42" ARCH E1

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	GP

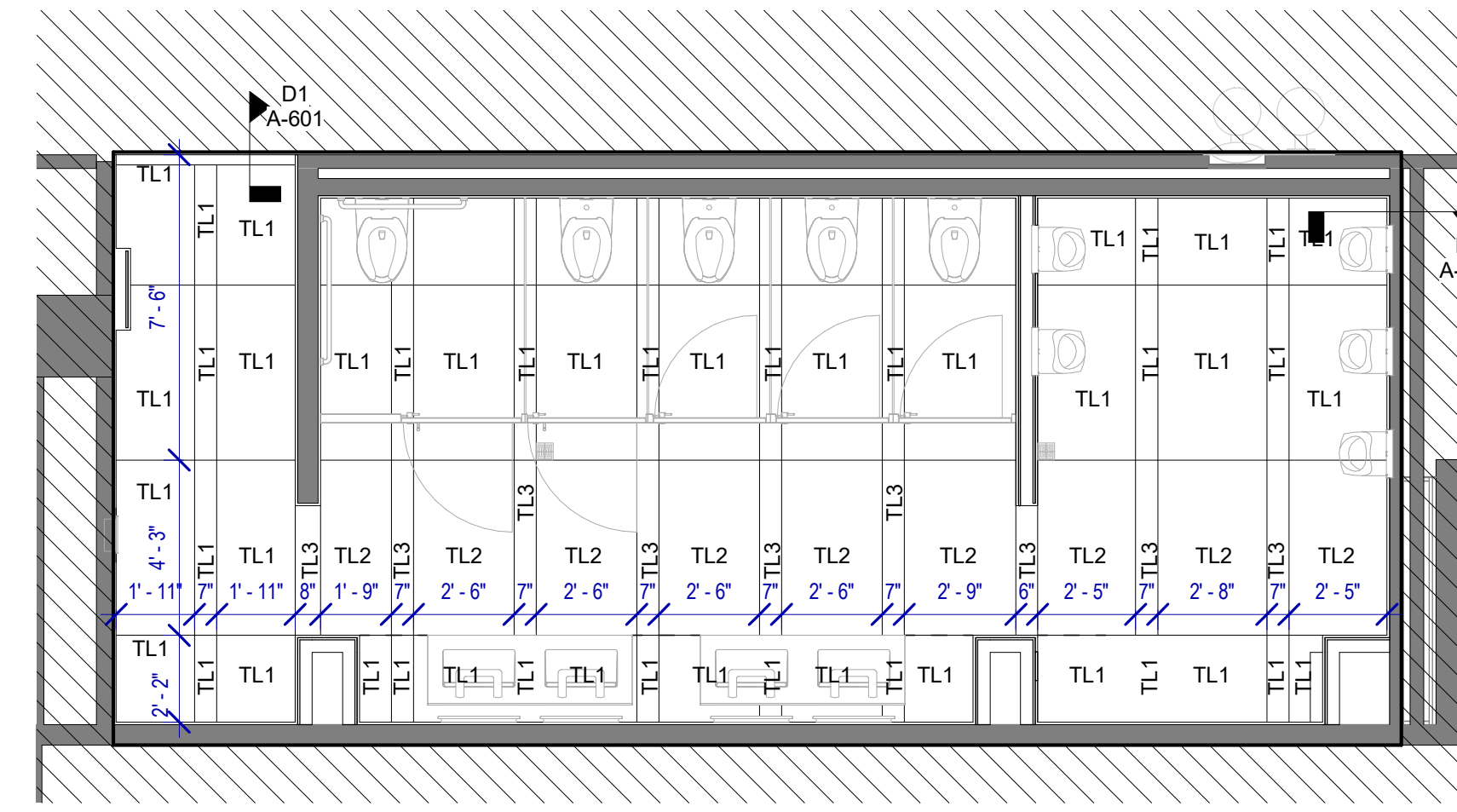
DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

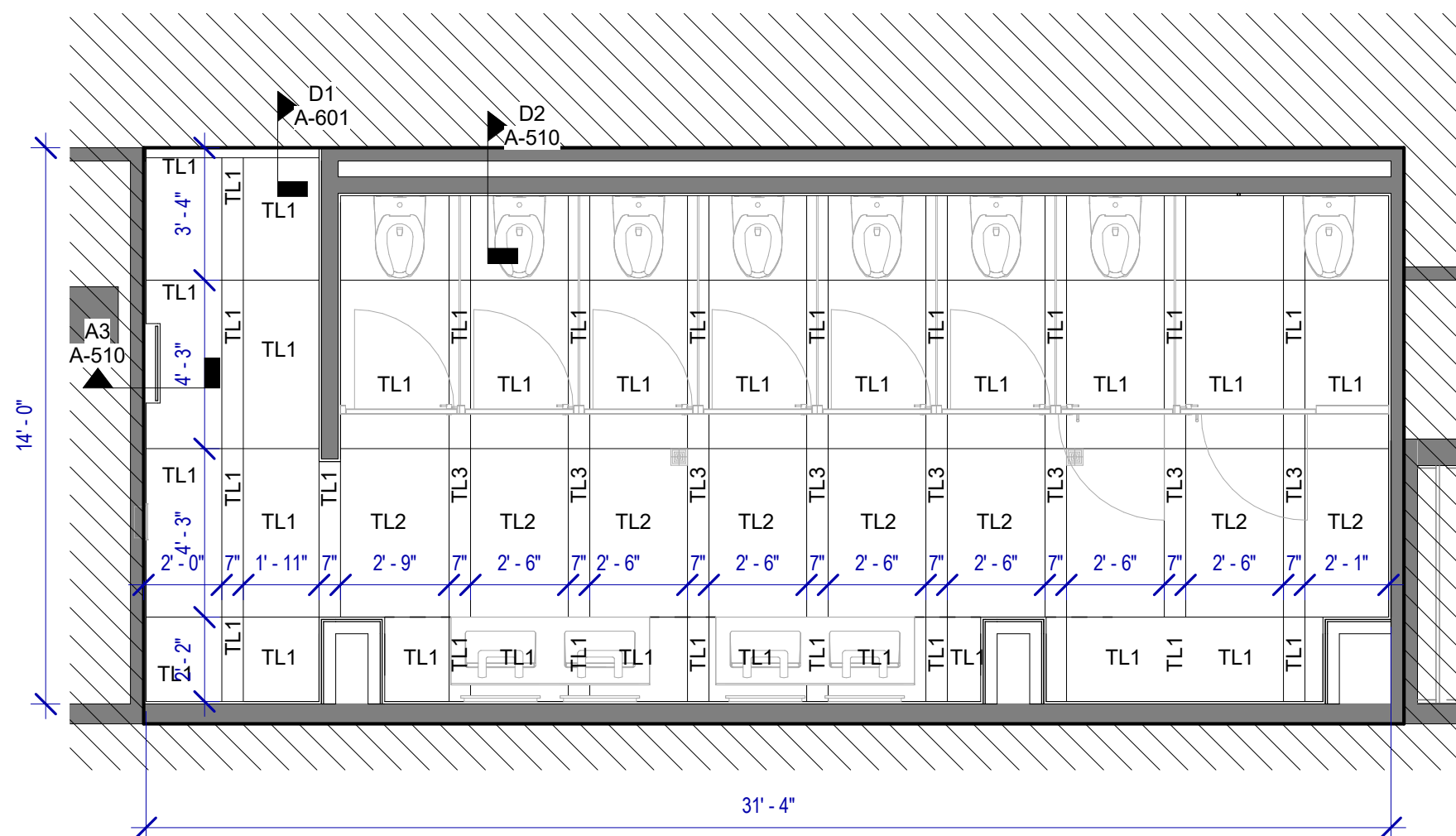
Received Approval Category
IFB
ISSUED FOR BIDDING

FINISHES GENERAL NOTES

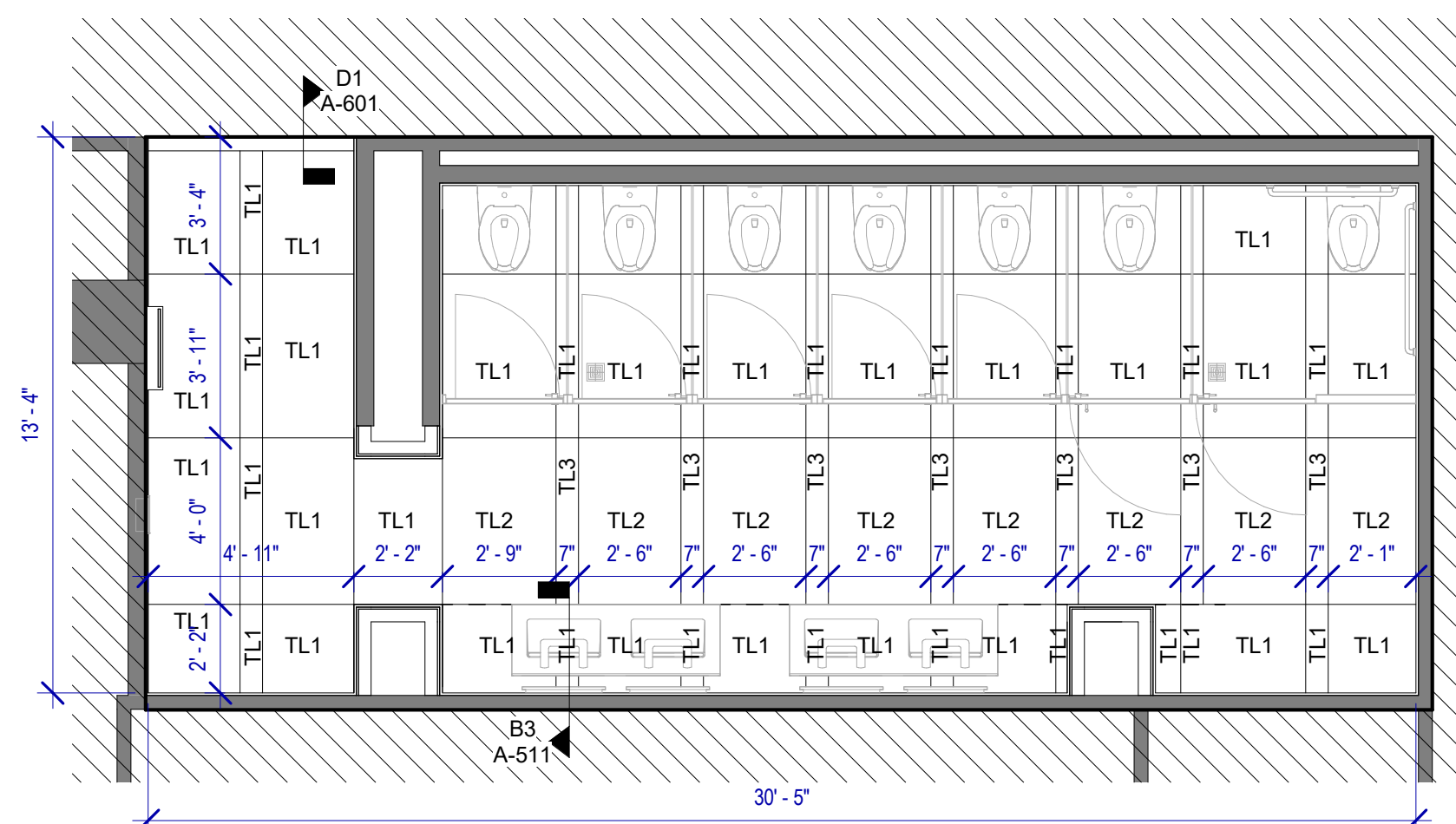
- ALL WALL/CEILING MATERIALS SHALL MEET FLAME SPREAD CLASS REQUIRED PER IBC TABLE 803.9
 - REFER TO SHEET G-002 & G-003 FOR GENERAL NOTES, KEYS AND SYMBOLS.
 - INTERIOR FLOOR FINISHES ARE REFERENCES FROM THE MATERIAL & FINISH KEY OR FROM THE FLOOR PLANS
 - REFER TO INTERIOR ELEVATION SHEETS FOR ADDITIONAL FINISH INFORMATION.
 - REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND SPECIFICATIONS.
 - ALL WALLS TO RECEIVE BASE 'TB1' U.N.O
 - REFER TO FINISH FLOOR PLANS FOR TRANSITIONS.
 - ALL GYPSUM BOARD CEILINGS TO MATCH ADJACENT EXISTING PAINT FINISH PER HAS STANDARDS
 - PROVIDE 10% ATTIC STOCK ON ALL FINISHES
 - ALL FINISHES TO BE VERIFIED W/ OWNER PRIOR TO PROCUREMENT
 - PATCH AND REPAIR FINISHES AS REQUIRED DUE TO DEMOLITION WORK AND INSTALLATION OF SIGNAGE & FIXTURES
 - WHERE MULTIPLE MATERIALS, FINISHES &/OR VARIATIONS IN ELEVATION ARE SPECIFIED FOR A SINGLE SURFACE, REFERENCE INFORMATION IS LOCATED ON THE PLANS AND ELEVATIONS.
 - WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH FACE OF WALL.
INSTALL NEW 1/4" CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN WALL TILE.
CONTRACTOR TO PROVIDE ANY SUBSTRATE NECESSARY FOR PATCHING WORK, FOR INSTALLATION OF NEW TRESPA PANEL WALL SYSTEM, PORCELAIN WALL TILE, PORCELAIN FLOOR TILE AND ANY OTHER FINISH REQUIRED PER CONTRACT DOCUMENTS.
- PAINT**
- ALL GWB CEILINGS TO RECEIVE PT01 PAINT
 - ALL PAINT TO BE APPLIED IN ACCORDANCE TO THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
 - ALL EXISTING DOORS TO RECEIVE PT01 PAINT.
- FLOORING**
- LARGE FORMAT TILE TO BE INSTALLED OVER A FRACTURE MEMBRANE PER SPECIFICATIONS.
 - ALL SLABS ON GRADE TO RECEIVE WATER PROOFING AND ARDEX FOR SMOOTH FINISH IF INSTALLING IMPERMEABLE MATERIAL AS SCHEDULED.
 - ALL CHANGES IN FLOOR MATERIAL BETWEEN ROOMS SHALL OCCUR AT THE CENTERLINE OF THE DOOR U.N.O
 - GROUT COLOR TO MATCH ADJACENT STONE / TILES. ALL STONE / TILE SURFACES TO BE FLUSH, NO ABRUPT LIPS OR EDGES. SUBMIT SAMPLES TO BE APPROVED BY ARCHITECT.
 - PROVIDE SOFT JOINT AT ALL TILE INSIDE CORNER CONDITIONS AND 90 DEGREE CORNERS AT FLOOR TILE CORNER. COLOR TO MATCH SCHEDULED GROUT.
 - TILE BASE GROUT LINES TO ALIGN W/ WALL PANEL JOINTS.
 - ALL WET AREAS TO RECEIVE EPOXY GROUT.



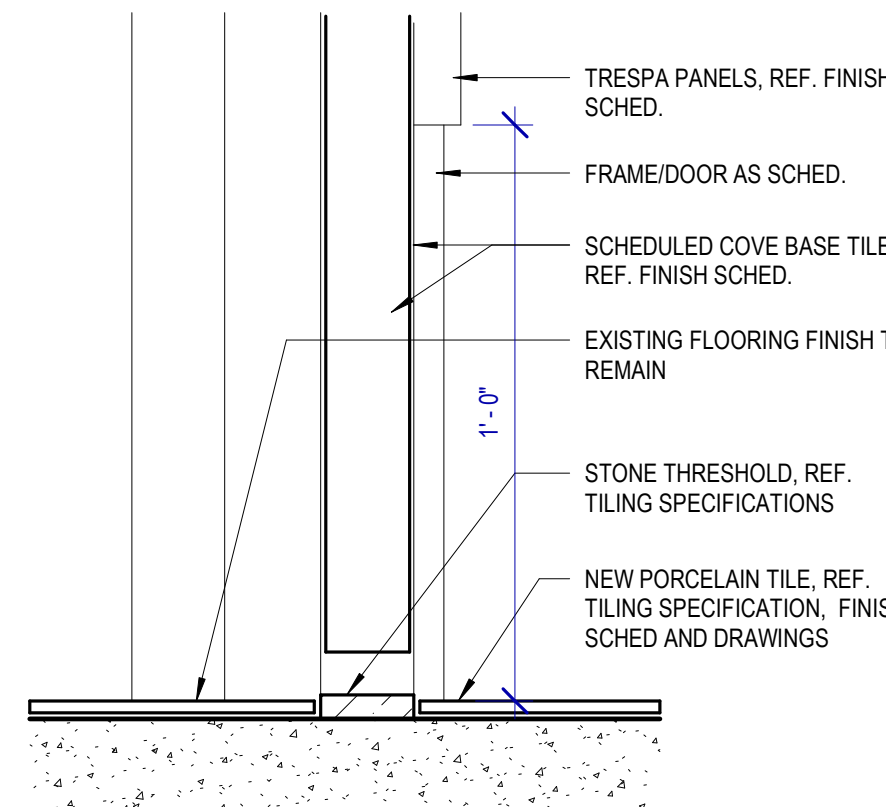
C4 FINISH PLAN - MEN'S RESTROOM GATE D08 AREA
SCALE: 1/4" = 1'-0"



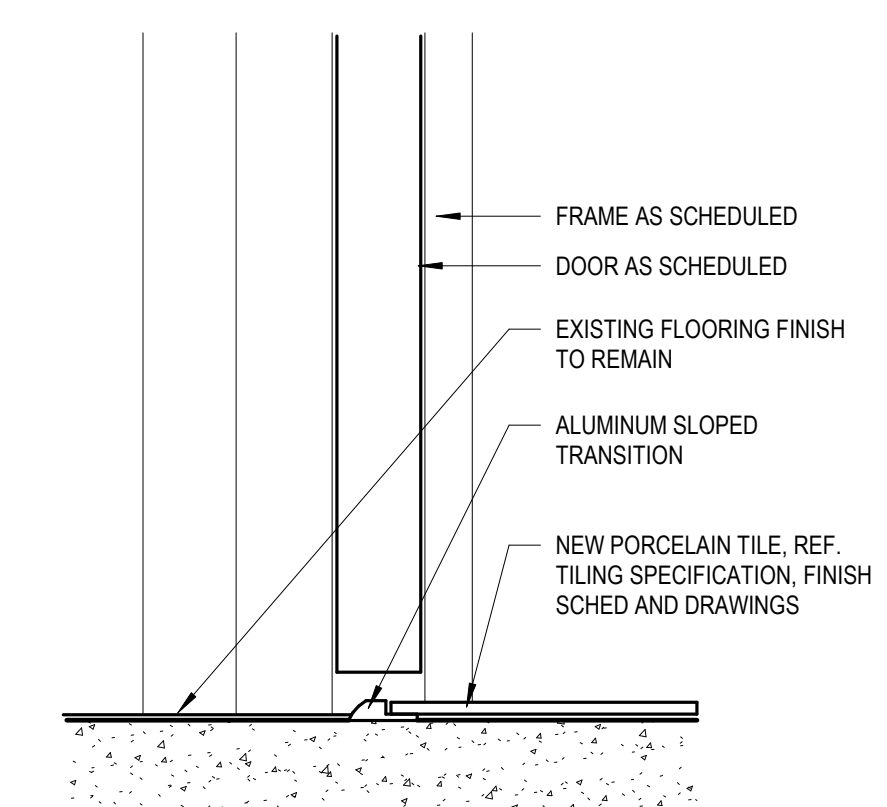
A4 FINISH PLAN - WOMEN'S RESTROOM GATE D07 AREA
SCALE: 1/4" = 1'-0"



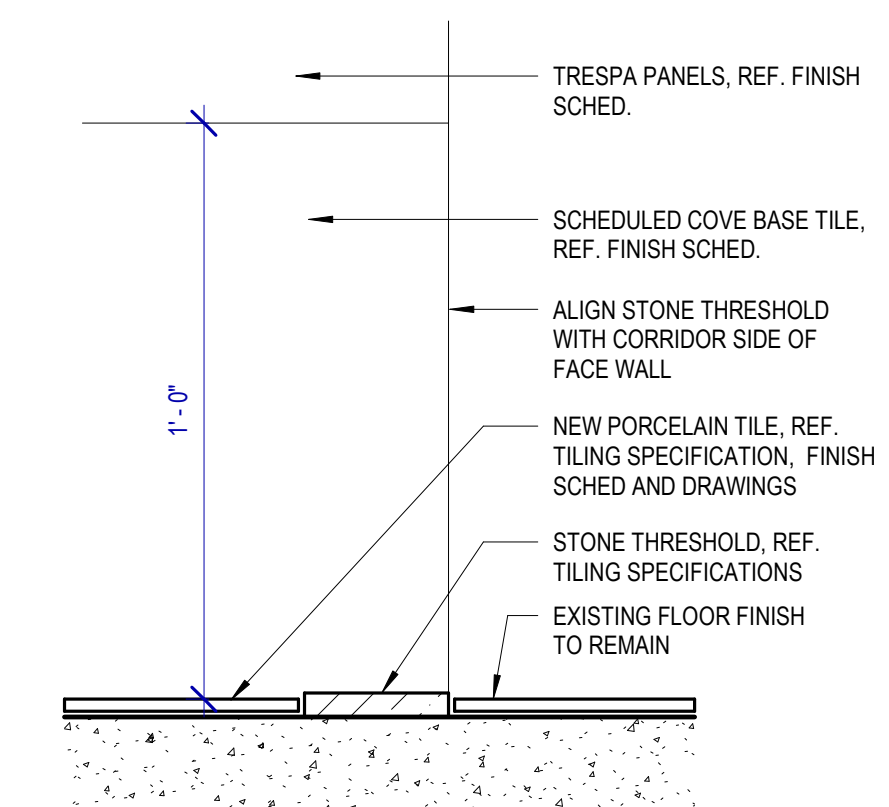
A3 FINISH PLAN - WOMEN'S RESTROOM GATE D09 AREA
SCALE: 1/4" = 1'-0"



B1 FLOOR TRANSITION DETAIL 3
SCALE: 3" = 1'-0"



C1 FLOOR TRANSITION DETAIL 2
SCALE: 3" = 1'-0"



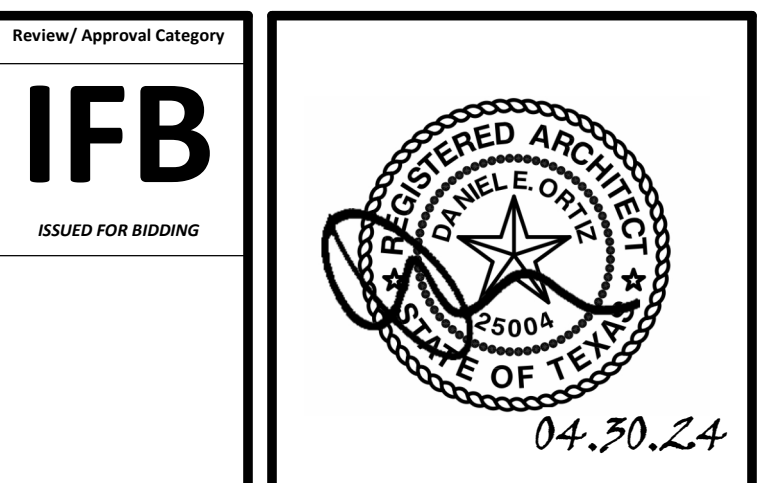
D1 FLOOR TRANSITION DETAIL 1
SCALE: 3" = 1'-0"

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
 HAS FILE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:
 PLOT DATE:

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1/Addendum 1	04.30.24	GP

DESIGN BY:	GP
DRAWN BY:	GP
CHECKED BY:	DO
ISSUE DATE:	03.21.24
APPROVED BY:	DO
APPROVAL DATE:	03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



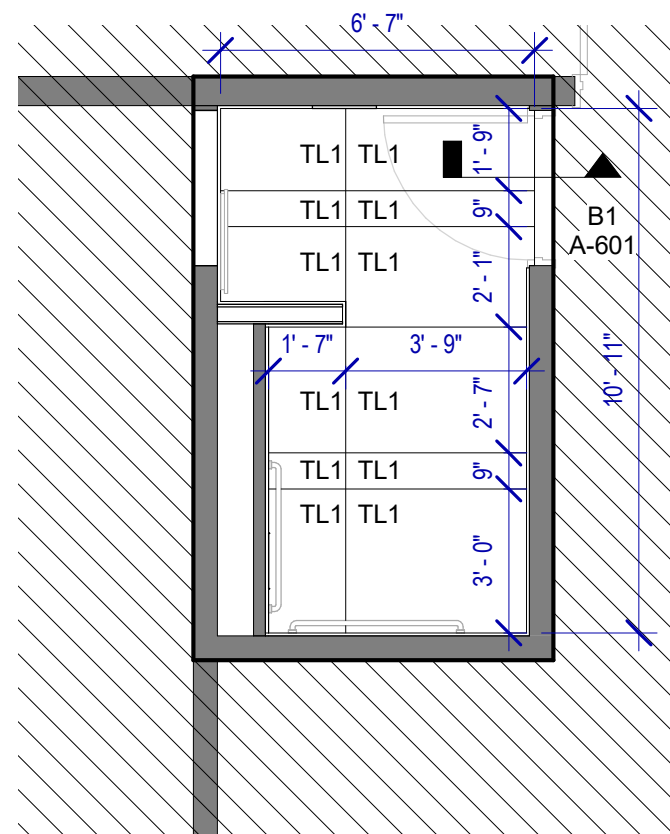
SHEET NAME:
ENLARGED FINISH PLANS - TERMINAL D
SHEET No. A-602 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

FINISHES GENERAL NOTES

- ALL WALL/CEILING MATERIALS SHALL MEET FLAME SPREAD CLASS REQUIRED PER IBC TABLE 803.2
 - REFER TO SHEET G-002 & G-003 FOR GENERAL NOTES, KEYS AND SYMBOLS.
 - INTERIOR FLOOR FINISHES ARE REFERENCES FROM THE MATERIAL & FINISH KEY OR FROM THE FLOOR PLANS
 - REFER TO INTERIOR ELEVATION SHEETS FOR ADDITIONAL FINISH INFORMATION.
 - REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND SPECIFICATIONS.
 - ALL WALLS TO RECEIVE BASE "B1" U.N.O
 - REFER TO FINISH FLOOR PLANS FOR TRANSITIONS.
 - ALL GYPSUM BOARD CEILINGS TO MATCH ADJACENT EXISTING PAINT FINISH PER HAS STANDARDS
 - PROVIDE 10% ATTIC STOCK ON ALL FINISHES
 - ALL FINISHES TO BE VERIFIED W/ OWNER PRIOR TO PROCUREMENT
 - PATCH AND REPAIR FINISHES AS REQUIRED DUE TO DEMOLITION WORK AND INSTALLATION OF SIGNAGE & FIXTURES
 - WHERE MULTIPLE MATERIALS, FINISHES &/OR VARIATIONS IN ELEVATION ARE SPECIFIED FOR A SINGLE SURFACE, REFERENCE INFORMATION IS LOCATED ON THE PLANS AND ELEVATIONS.
 - WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH FACE OF WALL
 - INSTALL NEW 1/4" CEMENT BOARD FOR INSTALLATION OF NEW PORCELAIN WALL TILE
 - CONTRACTOR TO PROVIDE ANY SUBSTRATE NECESSARY FOR PATCHING WORK, FOR INSTALLATION OF NEW TRESPA PANEL WALL SYSTEM, PORCELAIN WALL TILE, PORCELAIN FLOOR TILE AND ANY OTHER FINISH REQUIRED PER CONTRACT DOCUMENTS.
- PAINT**
- ALL GWB CEILINGS TO RECEIVE PT01 PAINT
 - ALL PAINT TO BE APPLIED IN ACCORDANCE TO THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
 - ALL EXISTING DOORS TO RECEIVE PT01 PAINT.
- FLOORING**
- LARGE FORMAT TILE TO BE INSTALLED OVER A FRACTURE MEMBRANE PER SPECIFICATIONS.
 - ALL SLABS ON GRADE TO RECEIVE WATER PROOFING AND ARDEX FOR SMOOTH FINISH IF INSTALLING IMPERMEABLE MATERIAL AS SCHEDULED.
 - ALL CHANGES IN FLOOR MATERIAL BETWEEN ROOMS SHALL OCCUR AT THE CENTERLINE OF THE DOOR U.N.O.
 - GROUT COLOR TO MATCH ADJACENT STONE / TILES. ALL STONE / TILE SURFACES TO BE FLUSH. NO ABRUPT LIPS OR EDGES. SUBMIT SAMPLES TO BE APPROVED BY ARCHITECT.
 - PROVIDE SOFT JOINT AT ALL TILE INSIDE CORNER CONDITIONS AND 90 DEGREE CORNERS AT FLOOR TILE CORNER. COLOR TO MATCH SCHEDULED GROUT.
 - TILE BASE GROUT LINES TO ALIGN W/ WALL PANEL JOINTS.
 - ALL WET AREAS TO RECEIVE EPOXY GROUT.



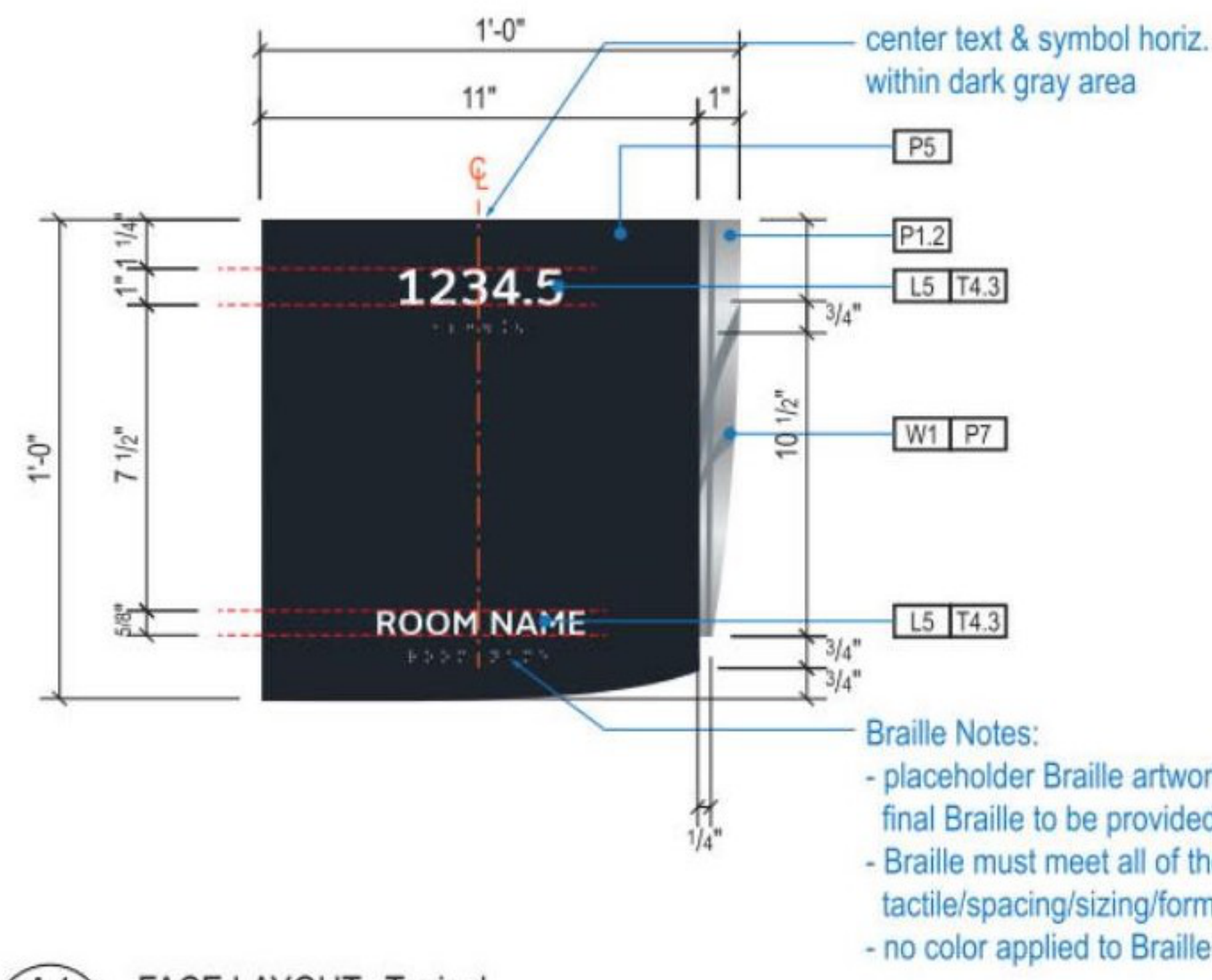
B3 FINISH PLAN - MEN & WOMEN'S RR GATE D16-D17
SCALE: 1/4" = 1'-0"



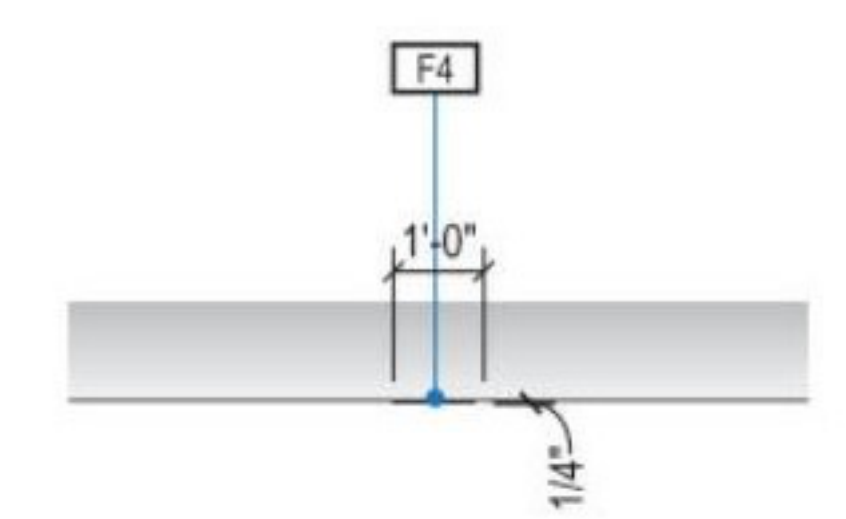
A3 FINISH PLAN - FAMILY RR GATE D16 AREA
SCALE: 1/4" = 1'-0"

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

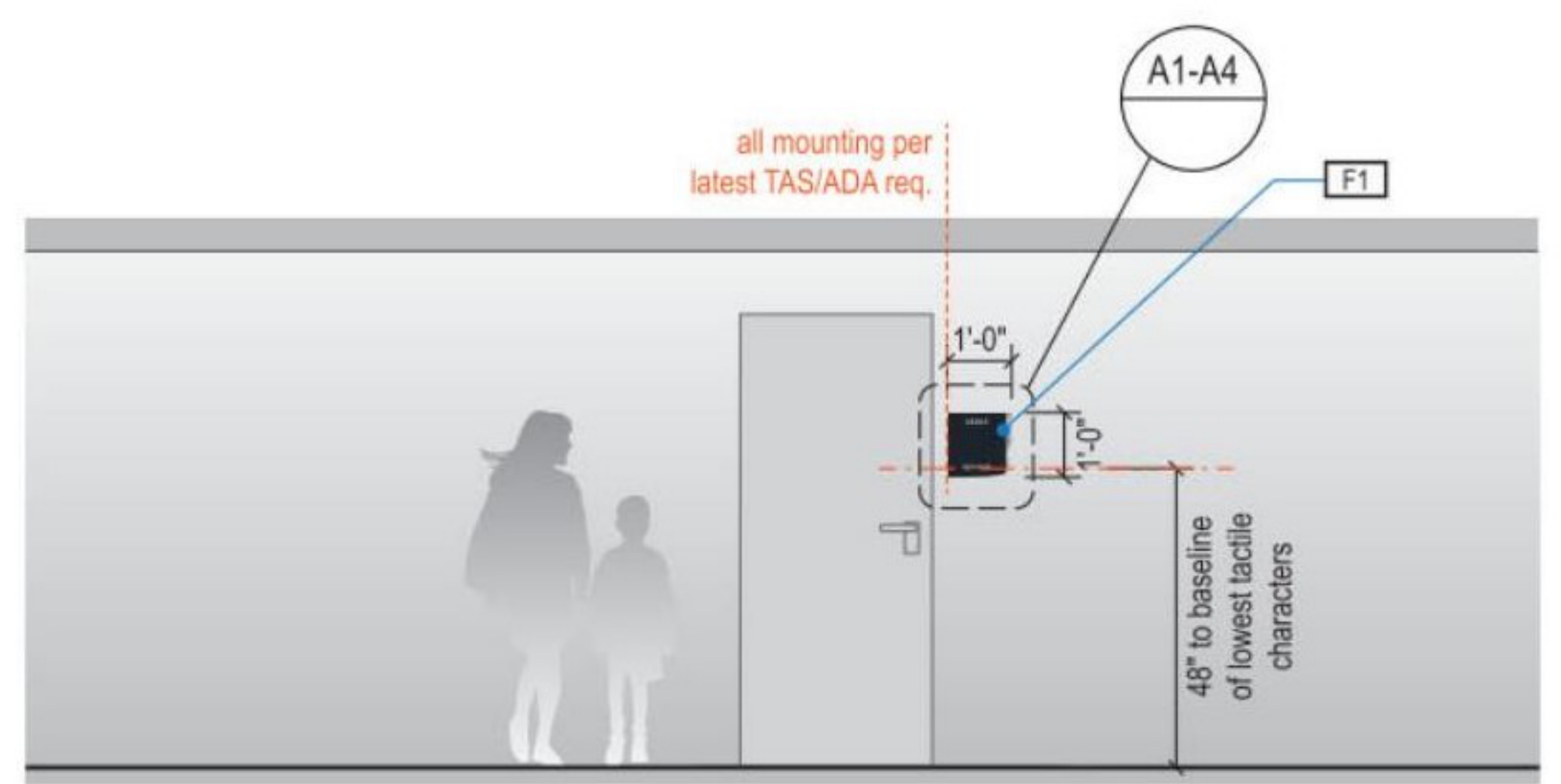
FILE PATH: BIM 360/1429.12_Terminal D Restrooms/1429.12_Terminal D Restrooms.rvt
HAS FILE:



A1 FACE LAYOUT: Typical



1 PLAN VIEW



2 ELEVATION

GENERAL NOTES

- All final design, engineering and amount/sizing of structural sign support elements, material types/thicknesses, dimensions and attachment methods shall be performed and approved by a licensed engineer to meet or exceed all applicable local and national codes.
- Final engineering, dimensions, materials and fabrication are the responsibility of the Contractor/Fabricator/Installer to ensure the highest quality fit and finish for all components of the completed product. All final detailing and specifications to be provided by the Contractor/Fabricator/Installer within their final approved fabrication-ready shop drawings.
- Wherever dissimilar metals are in contact, always separate contact surfaces prior to assembly or installation with the necessary protective coatings/gaskets/washers to prevent galvanic corrosion.
- Final fabrication methods, quality and fit/finish to be reviewed and approved by HAS and the Wayfinding Design Consultants through prototype reviews prior to final production run/installation processes.
- Colors shown are for reference only, and are subject to the limitations of the printing process and/or variance of electronic RGB screen displays. Refer to color system swatches and/or final finish samples for accurate reference.
- Messages shown here are typical placeholders only. See message schedules for specific messaging by location and sign type.

DESIGN INTENT NOTES

- F1 SIGN PANEL: 1/4" thick thermoformed acrylic panel, edges sanded smooth & eased, paint 2nd surface to match MAP paint P5, satin finish; screen paint watermark graphic 2nd surface to match P1.2 & P7, satin finish; 1st surface 1/32" raised tactile letters/graphics painted to match MAP paint P4, satin finish; 1st surface tactile Braille, no color applied (NOTE: Braille must meet all of the most recent TAS/ADA tactile/spacing/sizing/formatting requirements)
- F4 MOUNTING: mounting height and location/proximity to doors, strike plates & finished entry openings per most recent TAS/ADA requirements; mount plumb & level with adhesive/high-bond strength sign grade VHB tape (or approved equal) as install cond. req. (field verify)

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

- L5 Pedestrian Wayfinding Typeface: ClearviewText Medium
- L6 Supplemental Typeface: Clearview One Book Condensed
- S1 Arrow(s): use only official HAS wayfinding arrows
- S2 Universal Symbols: use only official HAS wayfinding symbols
- W1 Watermark Graphic: use only official HAS "globe" vector art

COLORS:

- NOTES: "D" = digitally printed colors on 3M 7725-20 White unless otherwise noted; "P" = Matthews Acrylic Polyurethane (MAP) paint (or equal), satin finish; "V" = 3M vinyl films (or equal); "T" = tactile
- V4.1 White: 3M 7725-20 White Opaque
 - D5 Dark Gray: match PMS 433C
 - D6 Med. Dark Gray: match PMS 432C
 - D13 Green (Ecopark): match PMS 349C
 - D17 Blue (Garage): match PMS 300C
 - D19 Red (Garage): match PMS 187C
 - P1.2 Silver: MAP paint MP33172 Silver Surfer Metallic
 - P4 White: MAP paint MP N202 White
 - P5 Dark Gray: MAP paint matched to PMS 433C
 - P7 Neutral Watermark: MAP paint matched to PMS 430C
 - T4.3 Tactile White: White to match V4.1



3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No.	A.I.P. No.
E.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com



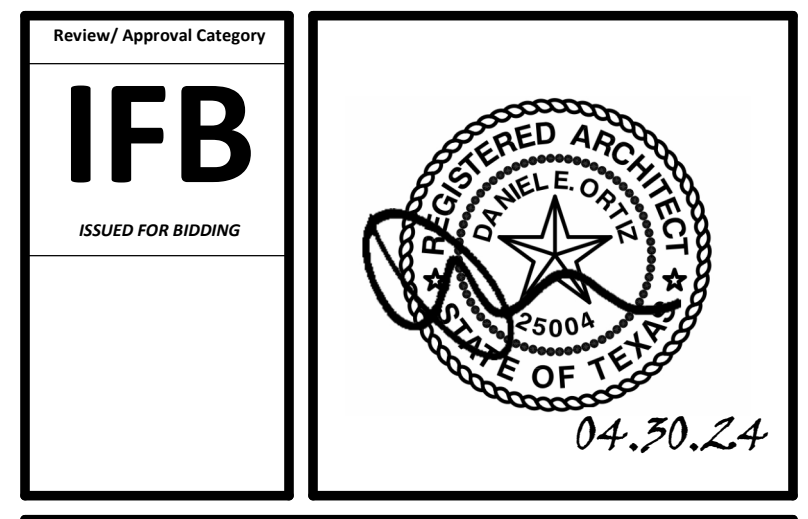
DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1/Addendum 1	04.30.24	GP

DESIGN BY: GP
DRAWN BY: GP
CHECKED BY: DO
ISSUE DATE: 03.21.24
APPROVED BY: DO
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: ROOM SIGNAGE

SHEET No. A-603 SCALE:

A

B

C

D

E

STRUCTURAL GENERAL NOTES

PART I - DESIGN CRITERIA

- A. GENERAL BUILDING CODE
 1. THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE 2021 WITH CITY OF HOUSTON AMENDMENTS.
- B. DEAD LOADS
 1. ORIGINAL DESIGN LOADS:

FLOORING FINISHES	30 PSF
MECH. AND CEILING	15 PSF
- C. LIVE LOADS
 1. ORIGINAL DESIGN LOADS:

FLOOR LIVE LOAD	100 PSF
-----------------	---------

NOTES:

- A. UNIFORM LOAD REQUIRED IS THE SAME AS THE OCCUPANCY SERVED.
- 2. REDUCTION OF LIVE LOADS:
 - A. LIVE LOADS HAVE BEEN REDUCED USING THE STANDARD PROCEDURE FROM THE BUILDING CODE.
 - B. NO LIVE LOAD REDUCTION HAS BEEN APPLIED FOR THE ROOF.
 - C. FOR LIVE LOADS EXCEEDING 100 POUNDS PER SQUARE FOOT, NO REDUCTION HAS BEEN MADE, EXCEPT THAT THE DESIGN LIVE LOAD ON MEMBERS SUPPORTING TWO OR MORE FLOORS HAS BEEN REDUCED A MAXIMUM OF 20 PERCENT BUT THE LIVE LOAD IS NOT TO BE LESS THAN THAT CALCULATED BY THE FORMULA ABOVE.

PART II - STRUCTURAL STEEL

- A. MATERIAL
 1. HOT ROLLED STRUCTURAL MEMBERS: ALL HOT ROLLED STEEL PLATES, SHAPES, AND BARS SHALL BE NEW STEEL CONFORMING TO ASTM SPECIFICATION.
 2. ASTM SPECIFICATION AND GRADE: CLEARLY MARK THE GRADE OF STEEL ON EACH PIECE, WITH A DISTINGUISHING MARK VISIBLE FROM FLOOR SURFACES, FOR THE PURPOSE OF FIELD INSPECTION OF PROPER GRADE OF STEEL. UNLESS NOTED OTHERWISE ON THE DRAWINGS, STRUCTURAL STEEL SHALL BE AS FOLLOWS:
 - A. HSS: ASTM A 500, GRADE B (FY=46 KSI)
 - B. CHANNELS AND PLATES: ASTM A36
 - C. CONNECTION MATERIAL
 - 1) ALL CONNECTION MATERIAL, EXCEPT AS NOTED OTHERWISE HEREIN OR ON THE DRAWINGS, INCLUDING BEARING PLATES, GUSSET PLATES, STIFFENER PLATES, FILLER PLATES, ANGLES, ETC. SHALL CONFORM TO ASTM A 36 UNLESS A HIGHER GRADE OF STEEL IS REQUIRED BY STRENGTH AND PROVIDED THE RESULTING SIZES ARE COMPATIBLE WITH THE CONNECTED MEMBERS.
 - D. OTHER STEEL: ANY OTHER STEEL NOT INDICATED OTHERWISE SHALL CONFORM TO ASTM A 992 OR ASTM A 572, GRADE 50, EXCEPT PLATES AND ANGLES THAT SHALL BE ASTM A 36.
- B. CONNECTIONS
 1. IF INCLUDED, REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- C. STRUCTURAL BOLTS AND THREADED FASTENERS
 1. A 325 BOLTS: ALL BOLTS IN STRUCTURAL CONNECTIONS SHALL CONFORM TO ASTM A 325 TYPE 1, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- D. WELDING
 1. UNLESS NOTED OTHERWISE, ELECTRODES FOR WELDING SHALL CONFORM TO E70XX (SMAW), F7XX-EXXX (SAW), E70S-X (GMAW), OR E7XX-X (FCAW).

PART III - MISCELLANEOUS

- A. CONTRACT DOCUMENTS
 1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE FIELD.
 2. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE.
- B. DRAWING CONFLICTS
 1. THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
- C. CONFLICTS IN STRUCTURAL REQUIREMENTS
 1. WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE STRUCTURAL CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.
- D. EXISTING CONDITIONS
 1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS.
 2. WORK SHOWN ON THE DRAWINGS IS NEW, UNLESS NOTED AS EXISTING.
 3. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM EXISTING CONSTRUCTION DOCUMENTS AND LIMITED SITE OBSERVATION. THESE DRAWINGS OF EXISTING CONSTRUCTION ARE AVAILABLE FOR CONTRACTOR USE. HOWEVER, THE AVAILABLE DRAWINGS OF EXISTING CONSTRUCTION ARE NOT NECESSARILY COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL PERTINENT INFORMATION.
 4. DEMOLITION, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE SO AS NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING. IF ANY ARCHITECTURAL, STRUCTURAL OR MEP MEMBERS NOT DESIGNATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND APPROVAL OBTAINED PRIOR TO REMOVAL OF THOSE MEMBERS.
 5. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION WHEREVER EXISTING SUPPORTS ARE REMOVED TO ALLOW THE INSTALLATION OF NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HIS ENGINEER.
 6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES AND DUCT WORK PRIOR TO THE START OF CONSTRUCTION AND TAKE CARE TO PROTECT EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE.
 7. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.
- E. CONTRACTOR SUBSTITUTIONS
 1. ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIAL OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE APPROVED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED:
 - a. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.
 - b. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CODE COUNCIL (ICC) AND THE ICC REPORT IS SUBMITTED IN ACCORDANCE WITH DIVISION 0001 ON SUBSTITUTIONS WITH THE REQUEST.
 - 1) THE ICC-ESR (EVALUATION SERVICE REPORT) THAT IS SUBMITTED MUST REFERENCE THE BUILDING CODE UNDER WHICH THE PROJECT IS PERMITTED.
 - 2) ICC REPORTS THAT HAVE BEEN DISCONTINUED AT THE TIME OF PRODUCT INSTALLATION WILL NOT BE ACCEPTED.
 2. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

PART IV - DRAWING INTERPRETATION

- A. DRAWING VIEWS LABELED AS "TYPICAL"
 1. PARTIAL PLANS, ELEVATIONS, SECTIONS, DETAILS, OR SCHEDULES LABELED WITH "TYPICAL" AT THE BEGINNING OF THEIR TITLE SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY SHOWN. THE APPLICABILITY OF THE CONTENT OF THESE VIEWS TO LOCATIONS ON THE PLAN CAN BE DETERMINED FROM THE TITLE OF THE VIEWS. SUCH VIEWS SHALL APPLY WHETHER OR NOT THEY ARE KEYS IN AT EACH LOCATION. DECISIONS REGARDING APPLICABILITY OF THESE "TYPICAL" VIEWS SHALL BE DETERMINED BY THE STRUCTURAL ENGINEER.

PART V - SPECIAL INSPECTIONS

- A. QUALITY ASSURANCE AND SPECIAL INSPECTIONS
 1. OWNER WILL ENGAGE AN INDEPENDENT TESTING AGENCY TO PERFORM THE FOLLOWING INSPECTION AND TESTING IN ACCORDANCE WITH THE REQUIREMENTS OF IBC SECTION 1704, 1707, AND 1708. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE PRIOR NOTICE FOR COMPLETION OF SUCH:
 - FIELD WELDING (EXCEPT STEEL STUDS, FURRING CHANNELS, ETC.).
 - HIGH STRENGTH BOLTING.
 - ANCHOR STUDS.
 - EMBEDDED PLATES AND EXPANSION TYPE ANCHOR BOLTS.
 - COLD FORMED METAL STUD FRAMING.
 2. SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK:
 - TEN (10) PERCENT OF DRILLED-IN, EPOXY OR GROUT SET ANCHORS SHALL BE PROOF TESTED TO TWO (2) TIMES ALLOWABLE TENSION, NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF ANY FAILURE SO ADDITIONAL TESTING OF ADJACENT ANCHORS CAN BE DIRECTED.
 3. TEN (10) PERCENT OF DRILLED-IN, EPOXY OR GROUT SET ANCHORS SHALL BE PROOF TESTED TO TWO (2) TIMES ALLOWABLE TENSION, NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF ANY FAILURE SO ADDITIONAL TESTING OF ADJACENT ANCHORS CAN BE DIRECTED.
 4. QUALITY ASSURANCE PLAN SHALL BE PROVIDED IN ACCORDANCE WITH IBC SECTION 1705.

PART VI - COLD-FORMED STEEL

- A. COLD-FORMED STEEL STRUCTURAL MEMBERS
 1. STEEL STRUCTURAL MEMBERS SHALL BE THE SIZE AND GAUGE SHOWN ON THE DRAWINGS. ALL STUDS, JOISTS AND TRACK SHALL CONFORM TO THE METAL STUD MANUFACTURER'S ASSOCIATION SPECIFICATIONS, ICBO NO. 4943. MEMBERS SHALL BE FORMED FROM STEEL HAVING A MINIMUM 33,000 PSI YIELD POINT FOR 25 GAUGE THROUGH 18 GAUGE AND A MINIMUM 50,000 PSI YIELD POINT FOR 19 GAUGE THROUGH 12 GAUGE.
 2. WELDING OF STEEL STRUCTURAL MEMBER CONNECTIONS SHALL BE DONE USING FILLET, BUTT OR SEAM WELDS WITH A MINIMUM 3/32" AWS TYPE E6013 WELDING RODS. ALL WORK SHALL BE COMPLETED BY WELDERS QUALIFIED IN WELDING OF SHEET STEEL IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.3 STANDARDS.
 3. WELDED OR SCREWED SPLICES SHALL BE USED FOR ALL CONTINUOUS TRACKS. WIRE TYING OF STUD FRAMING COMPONENTS SHALL NOT BE PERMITTED.
 4. STEEL STRUCTURAL STUD WALL BRIDGING SHALL BE SPACED EVENLY AT 5'-0" O.C. MAX. WHERE GYPSUM WALL BOARD INSTALLED PER IBC SECTION 2508 DOES NOT CONTINUE FULL HEIGHT ON BOTH SIDES OF THE WALL.
 5. WEB PUNCH-OUTS SHOULD BE COORDINATED WITH BRACING AND UTILITY REQUIREMENTS. WEB PUNCH-OUTS OR WEB OPENINGS SHOULD NOT BE LOCATED AT STUD OR JOIST BEARING POINTS.
 6. STEEL STRUCTURAL STUD TRACK OF THE SAME GAUGE AS THE STUDS SHALL BE USED AT THE TOP AND BOTTOM OF ALL STUD WALLS. STUDS SHALL SIT FLAT AGAINST THE WEB OF THE STUD TRACK AND BE ATTACHED WITH 1-#8 x 1/2" SCREW EACH SIDE OF EACH STUD, UNLESS NOTED OTHERWISE.
 7. SCREWS SHALL BE SELF-DRILLING AND TYPE S-12, ASTM C-864, EXCEPT THAT TYPE S, ASTM C-1002, MAY BE USED FOR 20 GAUGE OR 22 GAUGE MATERIAL ONLY. SCREWS SHALL BE 3/8" TO 1/2" LONGER THAN TOTAL MATERIAL THICKNESS.



3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
 C.O.H. No. _____ D.O.A. No. _____
 B.S.G. No. _____ A.S. No. _____
 TRP T.I.P. No. 2024-92-1AH
 24-85-1AH

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS structural engineers

5599 San Felipe, Suite 1425, Houston, Texas 77056 713.430.5800 713.430.5888 fax www.hendersonrogers.com

DESIGNER PROJECT No.: _____
 PROJECT STATUS: _____ **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04/30/2024	

DESIGN BY: _____ MP
 DRAWN BY: _____ HT
 CHECKED BY: _____ ER
 ISSUE DATE: 03.21.24
 APPROVED BY: ELAINE ROGERS
 APPROVAL DATE: 03.21.24

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

Review/Approval Category

IFB
 ISSUED FOR BIDDING

Henderson Rogers
 Structural Engineers, LLC
 TBPE Firm Registration No. 8755

STATE OF TEXAS
 K. ELAINE ROGERS
 LICENSE NO. 65566
 04/30/24

SHEET NAME: GENERAL NOTES

SHEET No. S-001 SCALE: _____

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360//1429-12_Terminal D Restrooms/211240_Terminal D Restrooms_S20.rvt

HAS FILE:

PLOT DATE: _____
 DOA DWG FILE: _____
 OLD DOA No.: _____
 PLOT DATE: _____

A

B

C

D

E



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
TRP T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



**HENDERSON
ROGERS**
structural engineers
5599 San Felipe, Suite 1425,
Houston, Texas 77056
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

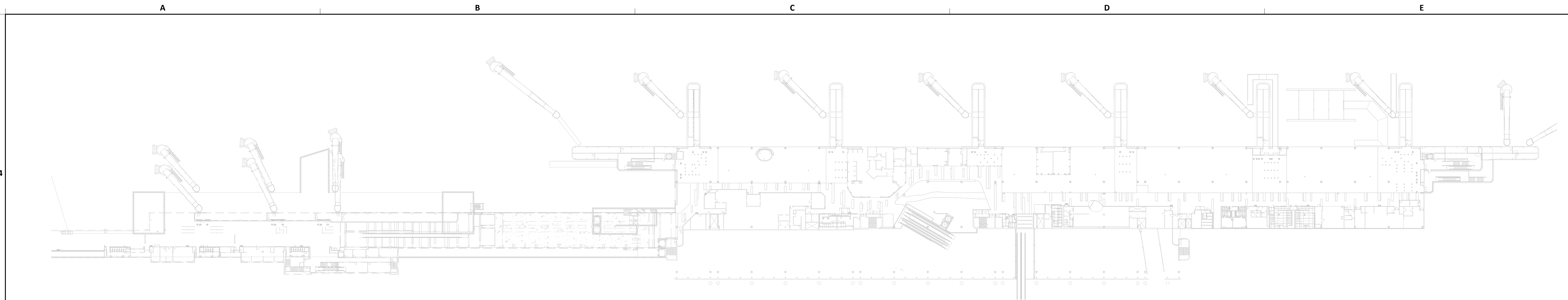
REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 /Addendum 1	04/30/2024	

DESIGN BY: MP
DRAWN BY: HT
CHECKED BY: ER
ISSUE DATE: 03.21.24
APPROVED BY: ELAINE ROGERS
APPROVAL DATE: 03.21.24

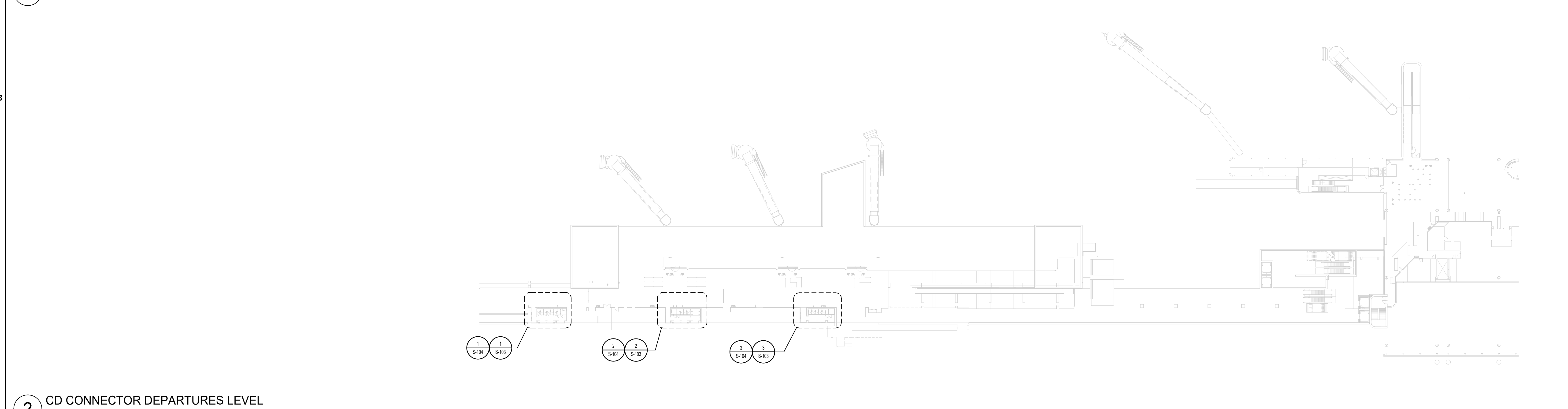
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

<p>Review/Approval Category IFB ISSUED FOR BIDDING</p>	<p>Henderson Rogers Structural Engineers, LLC TBPE Firm Registration No. 8755 K. ELAINE ROGERS 65566 K. Elaine Rogers 04/30/24</p>
---	--

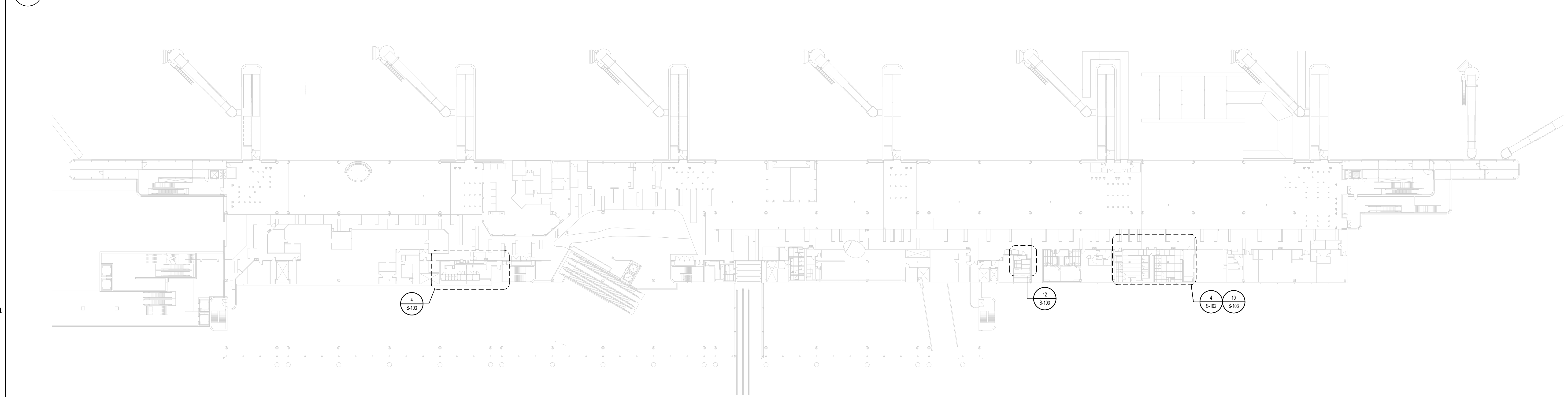
SHEET NAME: OVERALL PLAN & TERMINAL LEVELS
SHEET No. S-100 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



1 OVERALL SITE PLAN
SCALE: 1" = 60'-0"



2 CD CONNECTOR DEPARTURES LEVEL
SCALE: 1" = 40'-0"

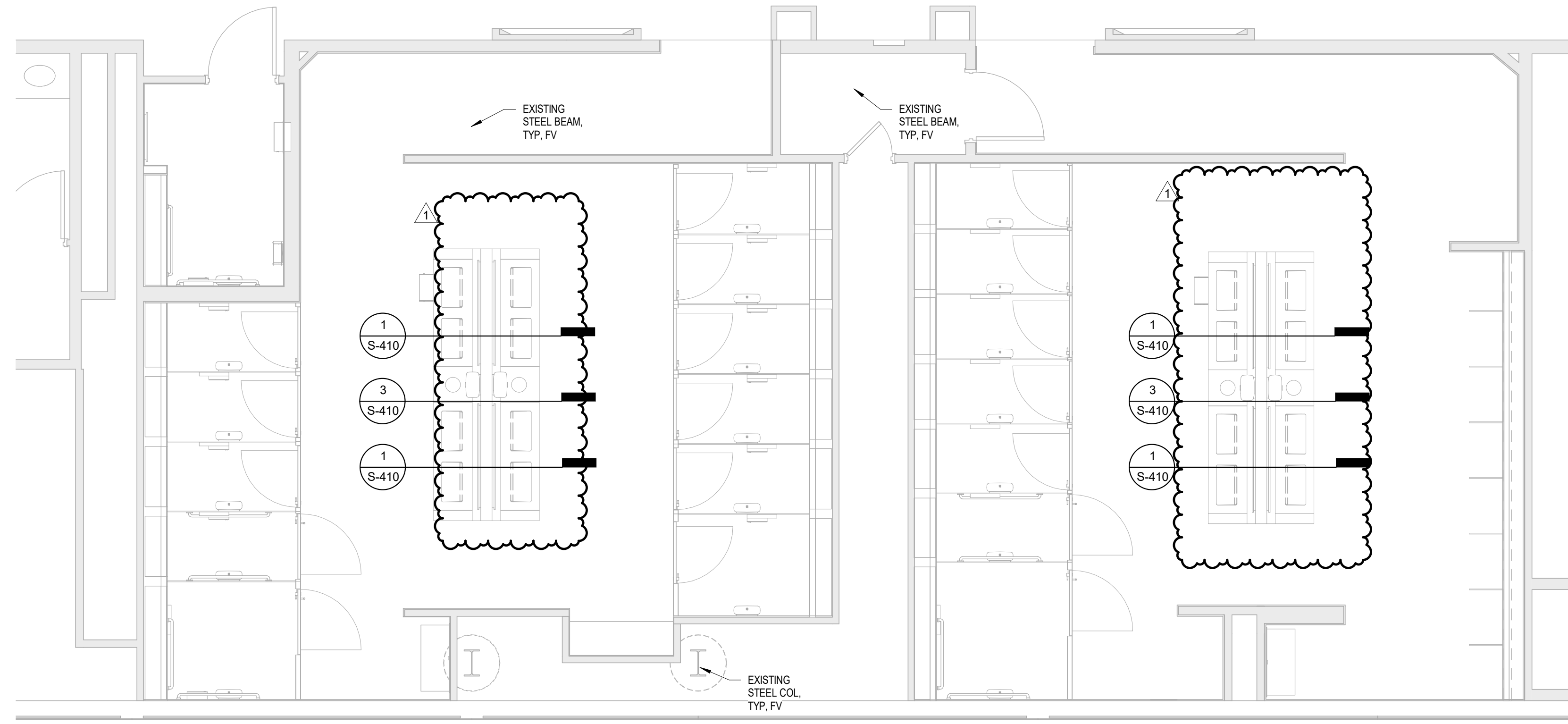


3 TERMINAL D DEPARTURES LEVEL
SCALE: 1" = 40'-0"

PLOT DATE: DOA DWG FILE: PLOT DATE:
 OLD DOA No.: FILE PATH: BIM 360://1429.12 Terminal D Restrooms/211240_Terminal D Restrooms_S20.rvt
 HAS FILE:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/211240_Terminal D Restrooms_S20.rvt
HAS FILE:



PLAN NOTES:

- GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND ERECTION OF ANY STRUCTURAL OR ARCHITECTURAL COMPONENTS.
- DEMOLITION, CUTTING, DRILLING, ETC. OF EXISTING STRUCTURE SHALL BE PERFORMED WITH GREAT CARE SO AS NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING. CORES AND OPENINGS FOR NEW PLUMBING FIXTURES MUST ONLY BE LOCATED WITHIN THE PAN SLABS, NOT THROUGH BEAMS, JOISTS OR COLUMNS.
- THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.
- CONTRACTOR SHALL ENSURE THAT NO REINFORCEMENT IS CUT OR OTHERWISE DAMAGED DURING THE COURSE OF CONSTRUCTION OPERATIONS. EDGES OF CORES AND ANCHORS ARE TO BE LOCATED AS FAR AS POSSIBLE FROM REINFORCING, AND IN NO CASE CLOSER THAN 2 INCHES. PRIOR TO ANY DRILLING, CORING, CHIPPING, PLACEMENT OF ANCHORS, OR ANY OTHER PENETRATION OF EXISTING CONCRETE, INSTALLER SHALL ACCURATELY DETERMINE THE LOCATION OF REINFORCEMENT BY USE OF GROUND PENETRATING RADAR (GPR) OR OTHER APPROVED NON-DESTRUCTIVE METHODS.

4 ENLARGED PLAN - MEN & WOMEN'S RR GATE D16-D17
SCALE: 1/4" = 1'-0"



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
B.S.G. No. 2024-92-1AH A.S. No.
TRP T.I.P. No. 24-86-1AH

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

5599 San Felipe, Suite 1425,
Houston, Texas 77056
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:

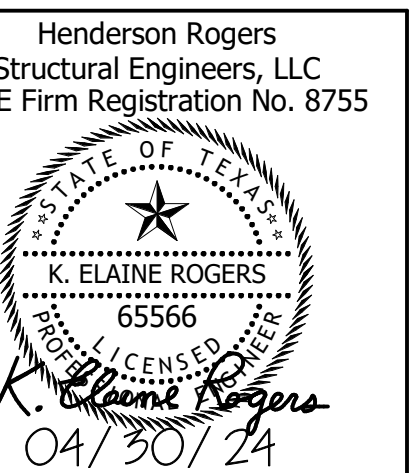
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04/30/2024	

DESIGN BY: MP
DRAWN BY: HT
CHECKED BY: ER
ISSUE DATE: 03.21.24
APPROVED BY: ELAINE ROGERS
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: ENLARGED RR FLOOR PLANS - TERMINAL D

SHEET No. S-102 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04/30/2024	

DESIGN BY: MP
DRAWN BY: HT
CHECKED BY: ER
ISSUE DATE: 03.21.24
APPROVED BY: ELAINE ROGERS
APPROVAL DATE: 03.21.24

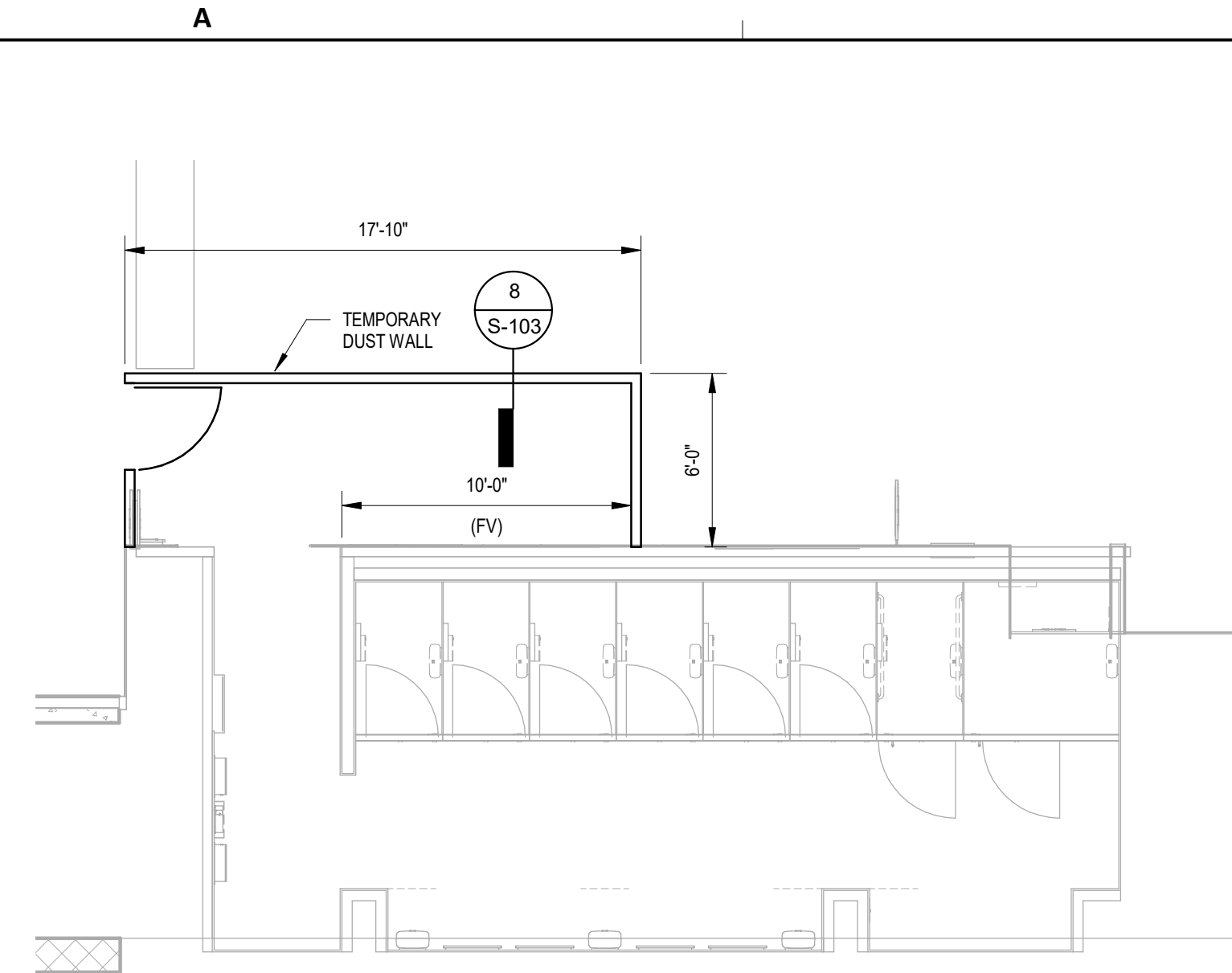
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

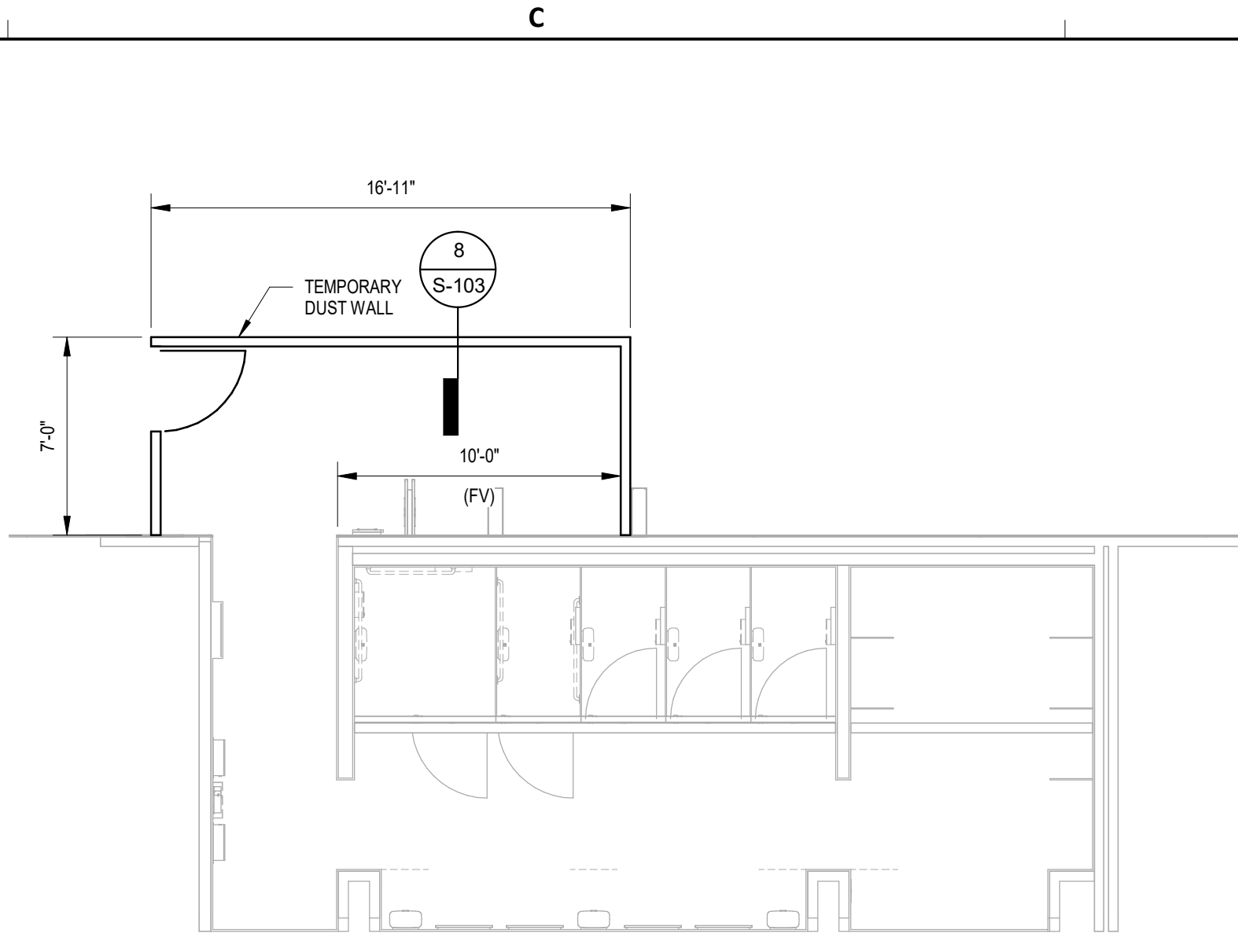
Henderson Rogers
Structural Engineers, LLC
TBPE Firm Registration No. 8755

STATE OF TEXAS
K. ELAINE ROGERS
65566
04/30/24

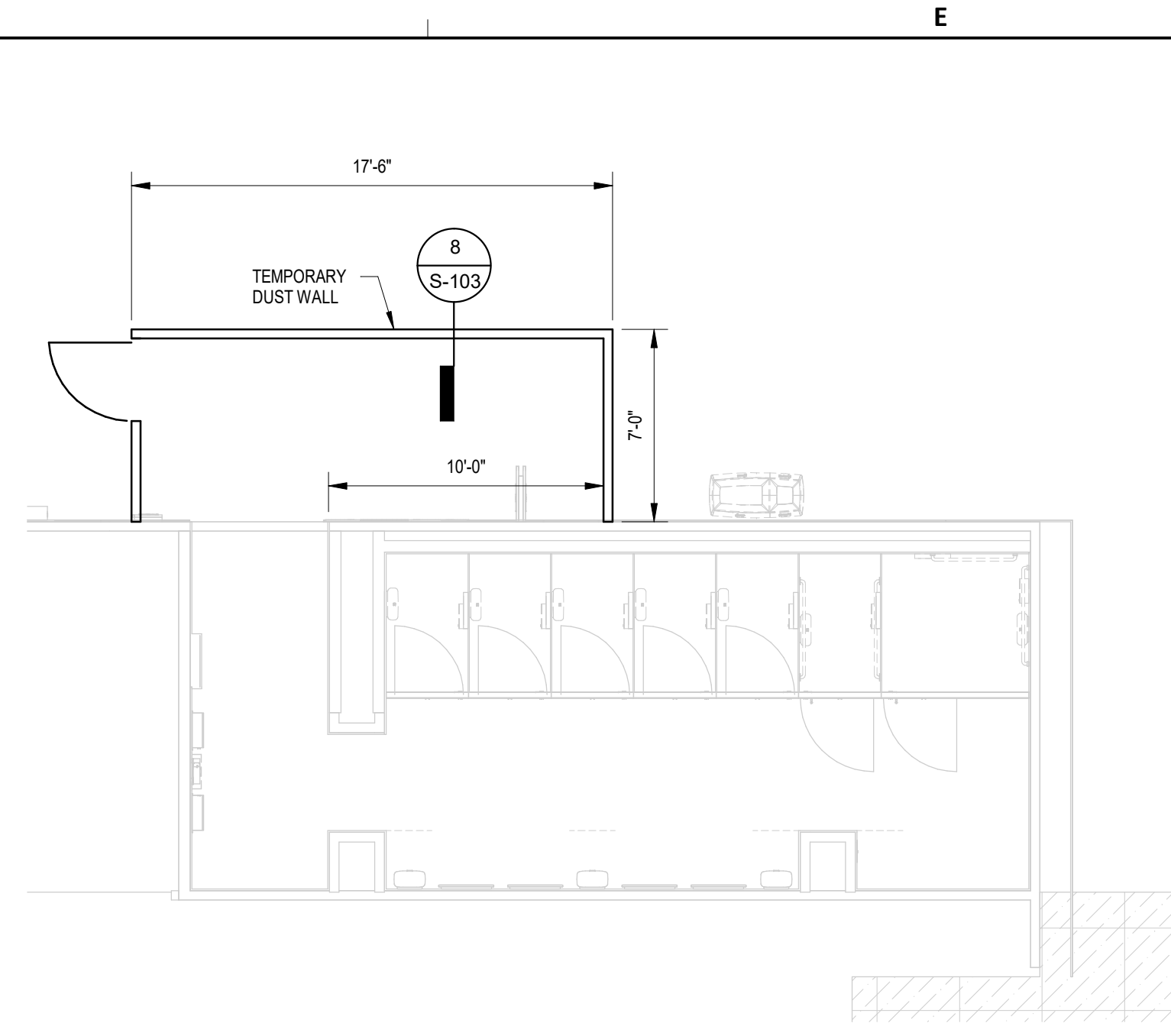
SHEET NAME: ENLARGED FLOOR FRAMING RESTROOMS PLAN
SHEET No. S-103 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



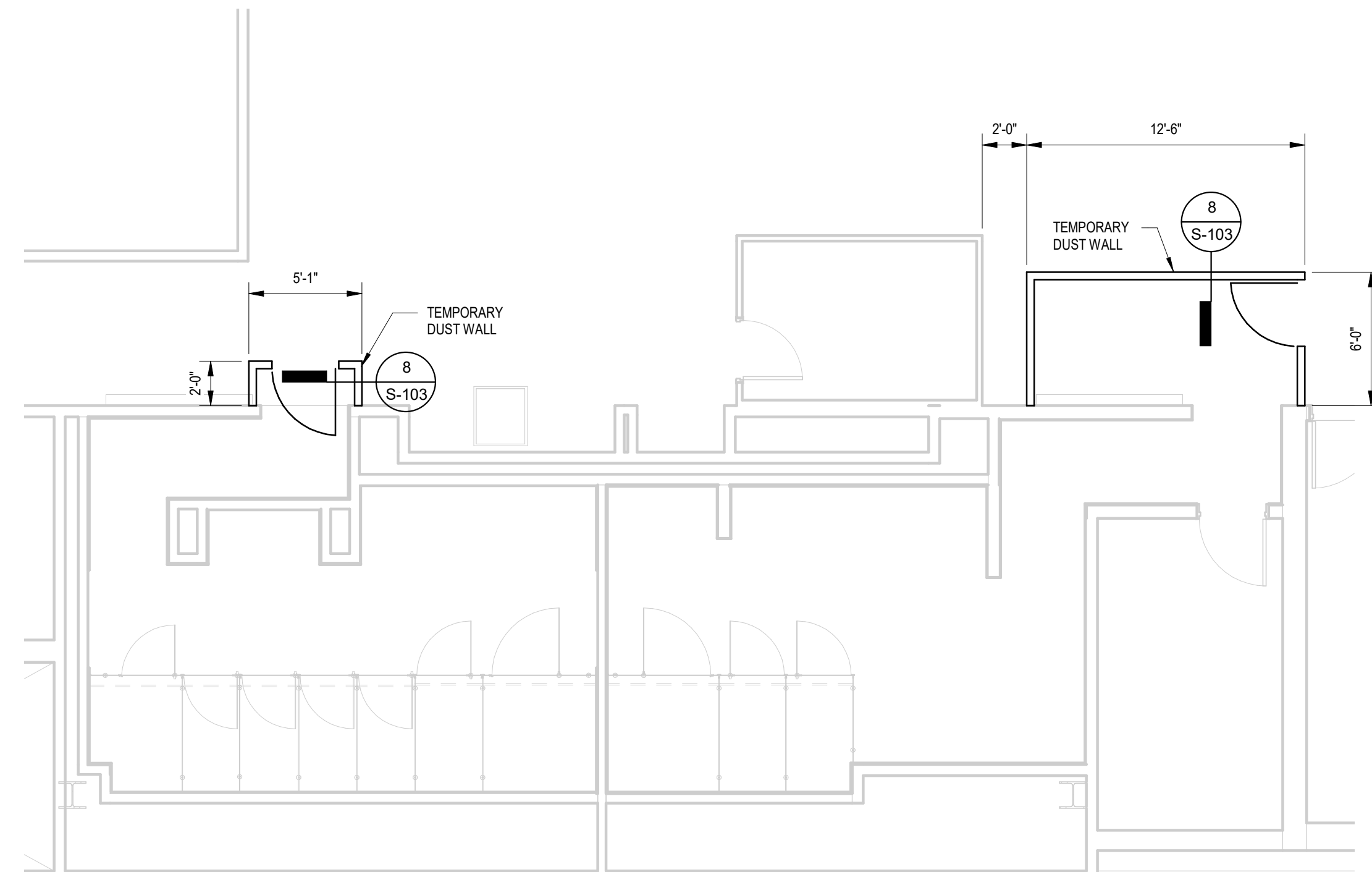
1 ENLARGED PLAN - WOMEN'S REST GATE D7 - PHASE 3
SCALE: 3/16" = 1'-0"



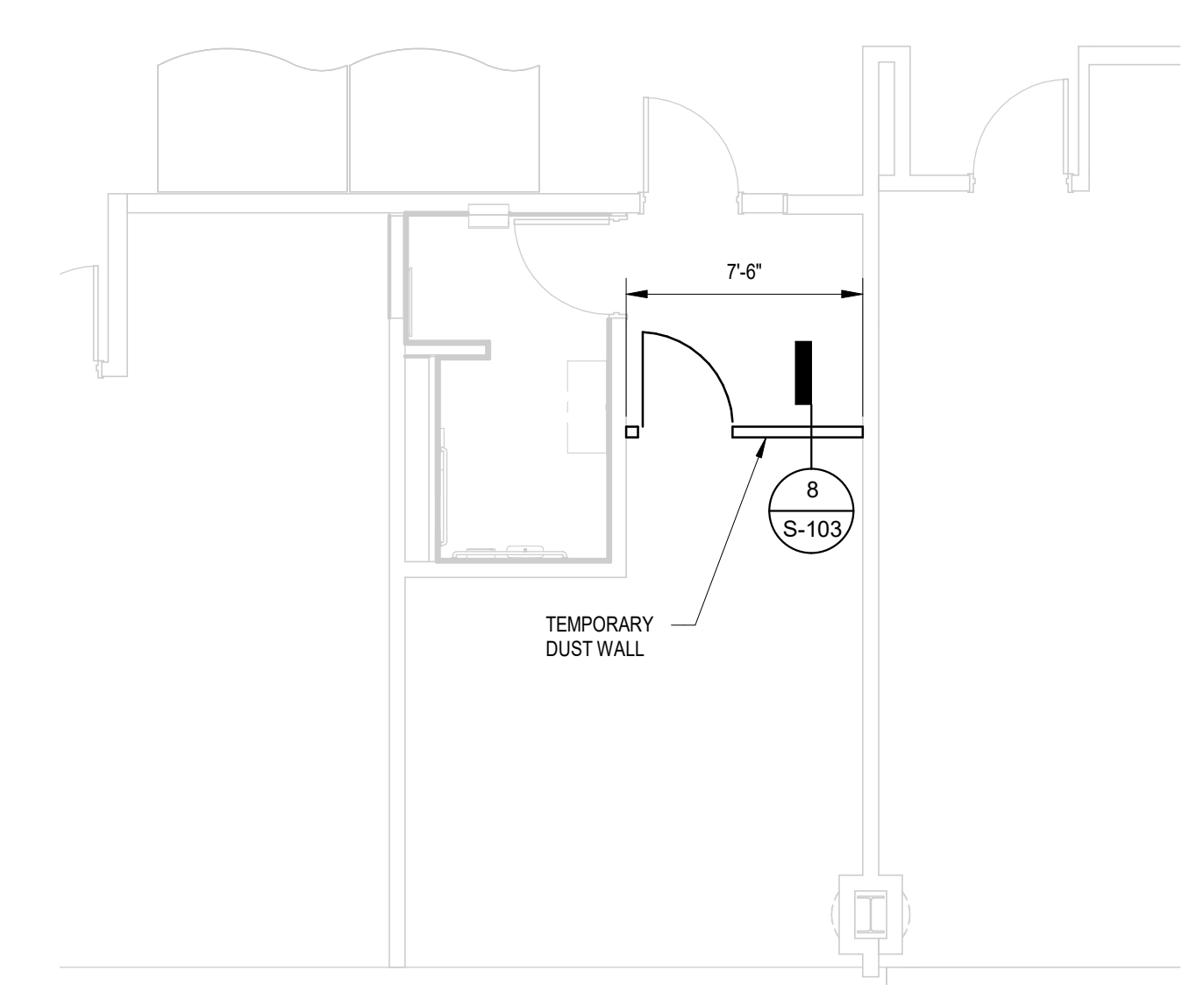
2 ENLARGED PLAN - MEN'S REST GATE D8 - PHASE 1
SCALE: 3/16" = 1'-0"



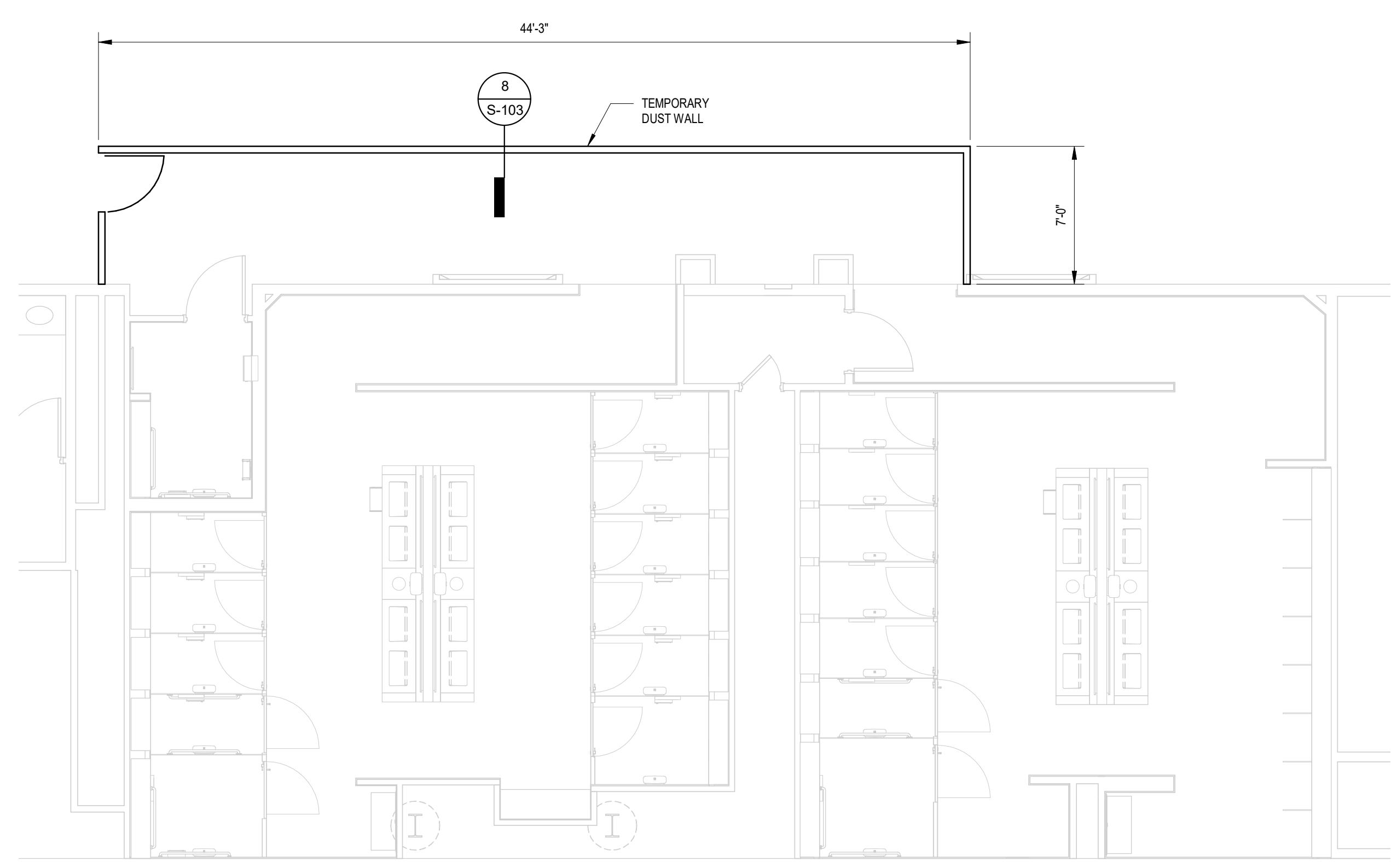
3 ENLARGED PLAN - WOMEN'S REST GATE D9 - PHASE 2
SCALE: 3/16" = 1'-0"



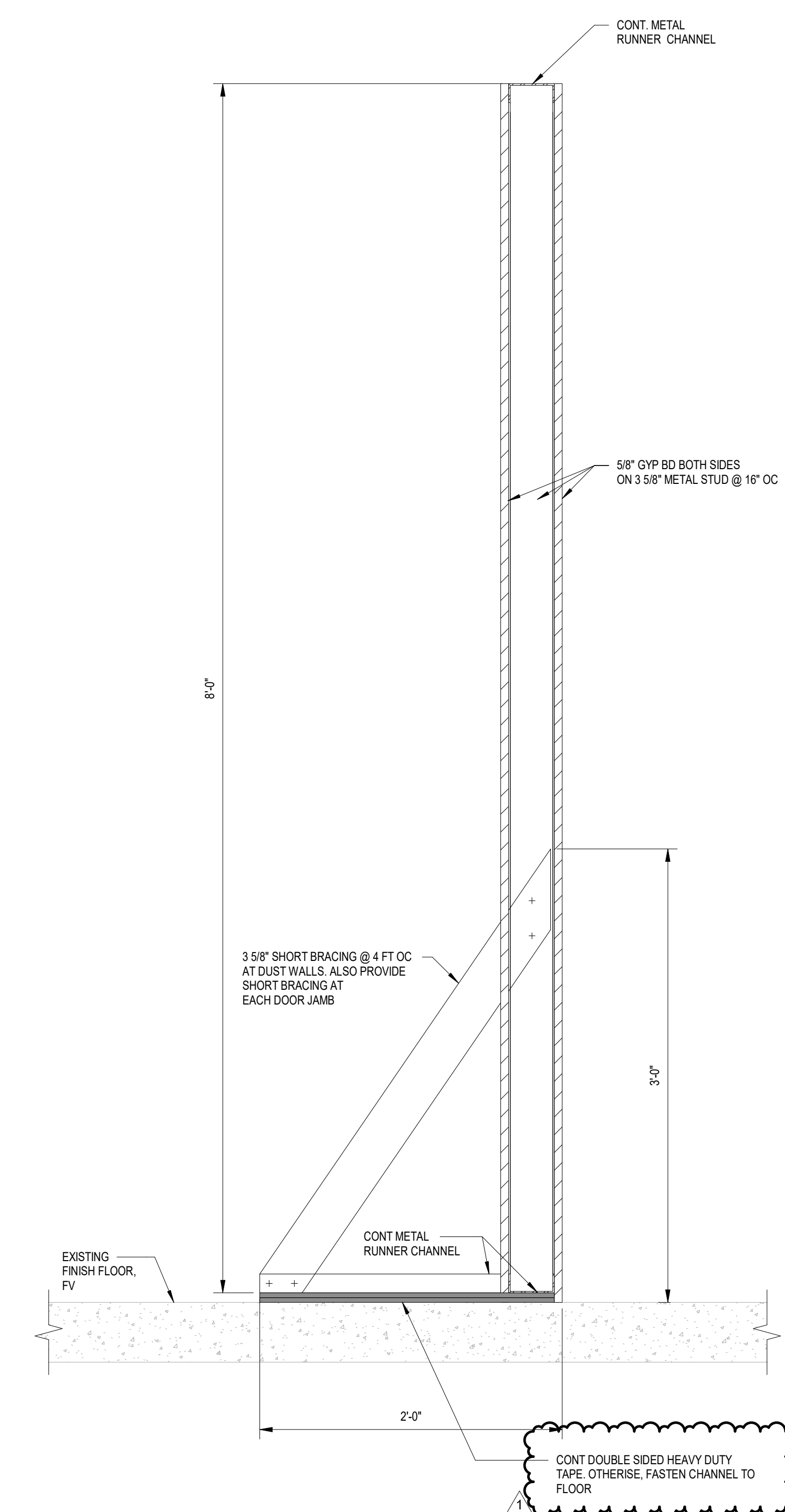
4 ENLARGED PLAN - MEN'S & WOMEN'S RR GATE D10-D12 - PHASE 3
SCALE: 3/16" = 1'-0"



12 ENLARGED PLAN - NURSERY RESTROOM GATE D16 - PHASE 1
SCALE: 3/16" = 1'-0"



10 ENLARGED PLAN - MEN'S & WOMEN'S RR GATE D16-D17 - PHASE 1
SCALE: 3/16" = 1'-0"

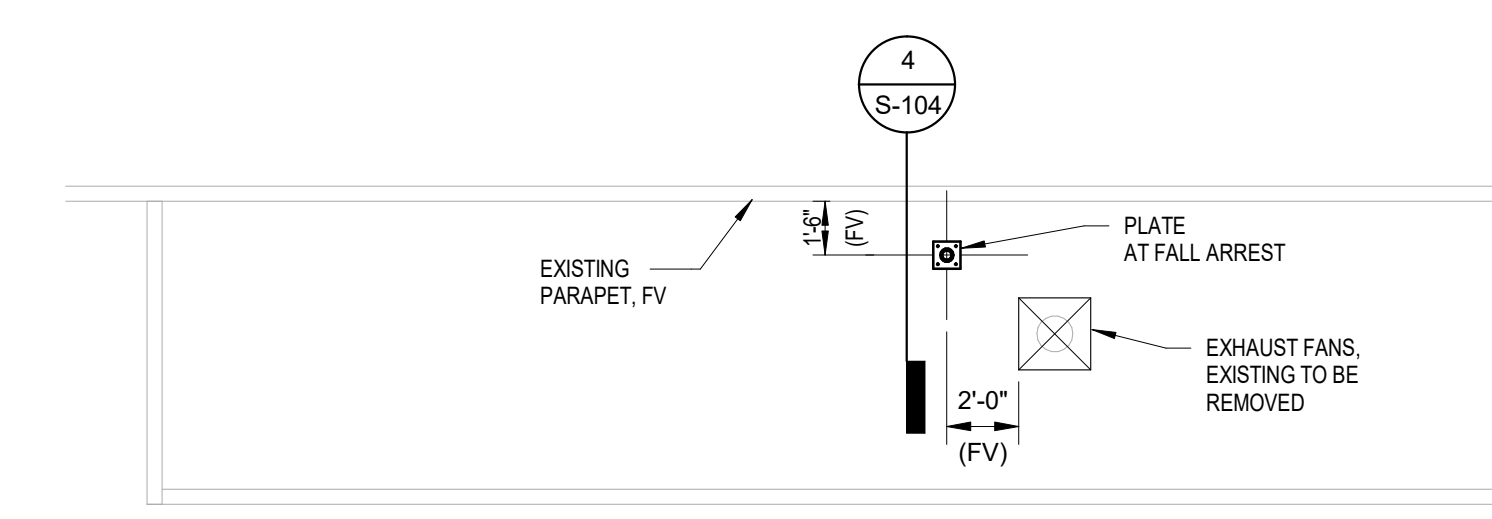


8 SECTION AT TEMPORARY DUST WALL
SCALE: 1 1/2" = 1'-0"

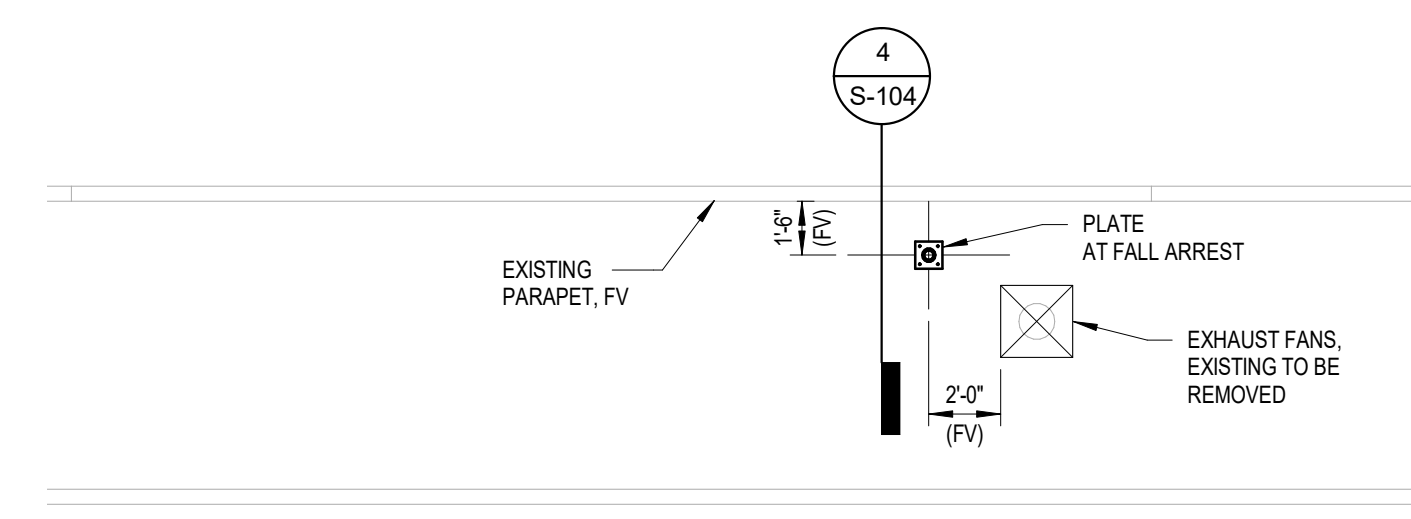
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: FILE PATH: BIM 360://1429.12 Terminal D Restrooms/211240_Terminal D Restrooms_S20.rvt HAS FILE:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

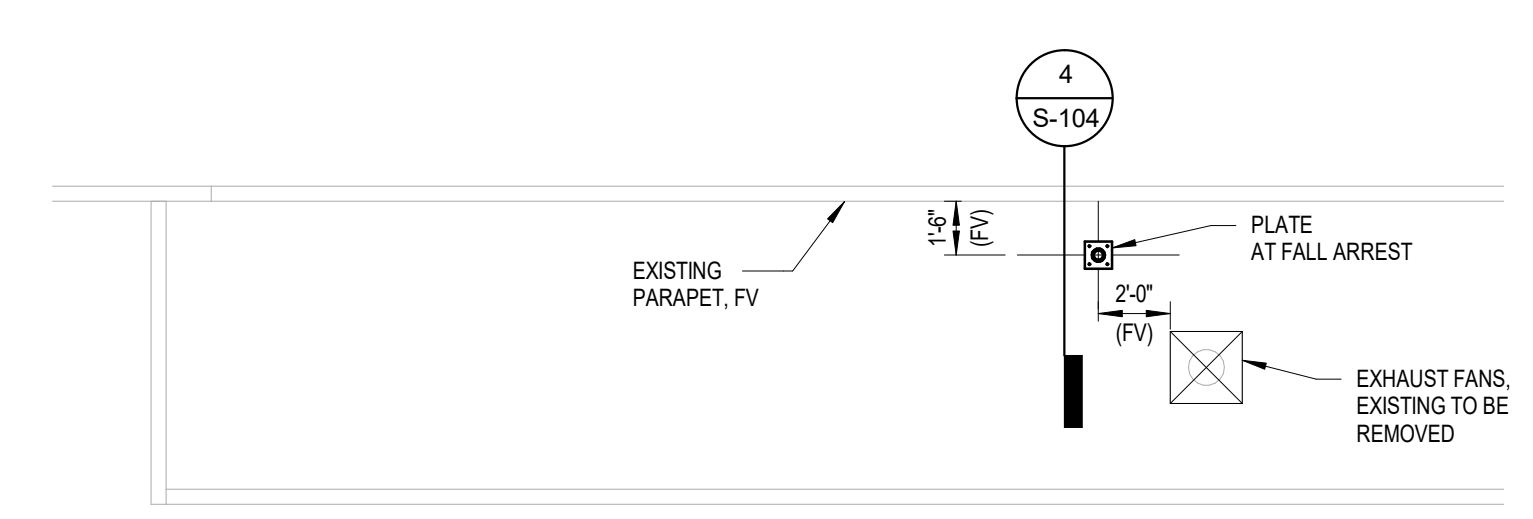
FILE PATH: BIM 360//1429.12 Terminal D Restrooms/21140_Terminal D Restrooms_S20.rvt
HAS FILE:



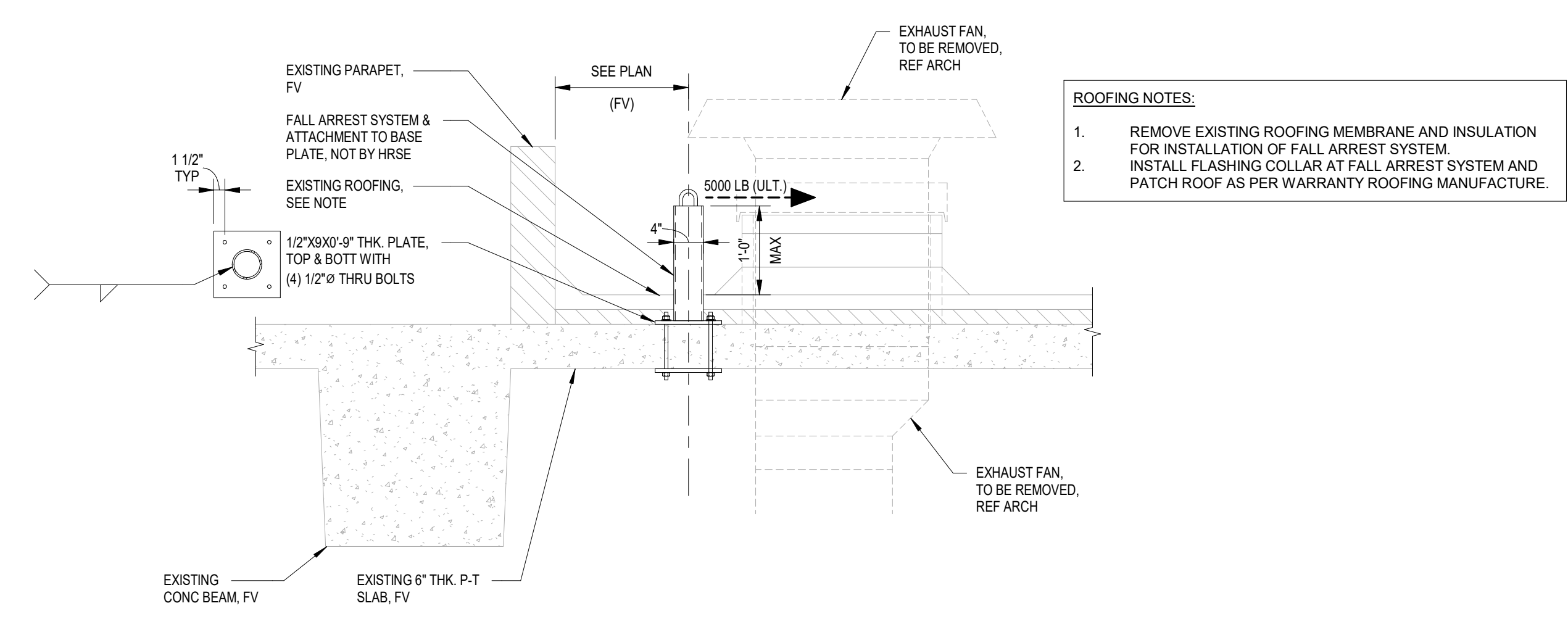
1 EXISTING ROOF ENLARGED PLAN - WOMEN'S REST GATE D7 - PHASE 3
SCALE: 3/16" = 1'-0"



2 EXISTING ROOF ENLARGED PLAN - MEN'S REST GATE D8 - PHASE 1
SCALE: 3/16" = 1'-0"



3 EXISTING ROOF ENLARGED PLAN - WOMEN'S REST GATE D9 - PHASE 2
SCALE: 3/16" = 1'-0"



4 SECTION
SCALE: 3/4" = 1'-0"

NOTE TO G.C.:

- EXISTING STRUCTURE IS POST-TENSIONED CONCRETE SLAB CONSTRUCTION WITH A GRID OF EMBEDDED HIGH-TENSION STEEL CABLE TENDONS. CONTRACTOR SHALL ENSURE THAT NO TENDONS OR REINFORCEMENT IS CUT OR OTHERWISE DAMAGED DURING THE COURSE OF CONSTRUCTION OPERATIONS. EDGES OF CORES AND ANCHORS ARE TO BE LOCATED AS FAR AS POSSIBLE FROM TENDONS OR REINFORCING, AND IN NO CASE CLOSER THAN 2 INCHES. PRIOR TO ANY DRILLING, CORING, CHIPPING, PLACEMENT OF ANCHORS, OR ANY OTHER PENETRATION OF EXISTING CONCRETE, INSTALLER SHALL ACCURATELY DETERMINE THE LOCATION OF STEEL CABLE TENDONS AND REINFORCEMENT BY USING GROUND PENETRATING RADAR (GPR) OR OTHER APPROVED, NON-DESTRUCTIVE INVESTIGATION METHODS.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. _____ A.S. No. _____
TRP T.I.P. No. _____

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers
5599 San Felipe, Suite 1425, Houston, Texas 77056
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04/30/2024	

DESIGN BY: MP
DRAWN BY: HT
CHECKED BY: ER
ISSUE DATE: 03.21.24
APPROVED BY: ELAINE ROGERS
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING

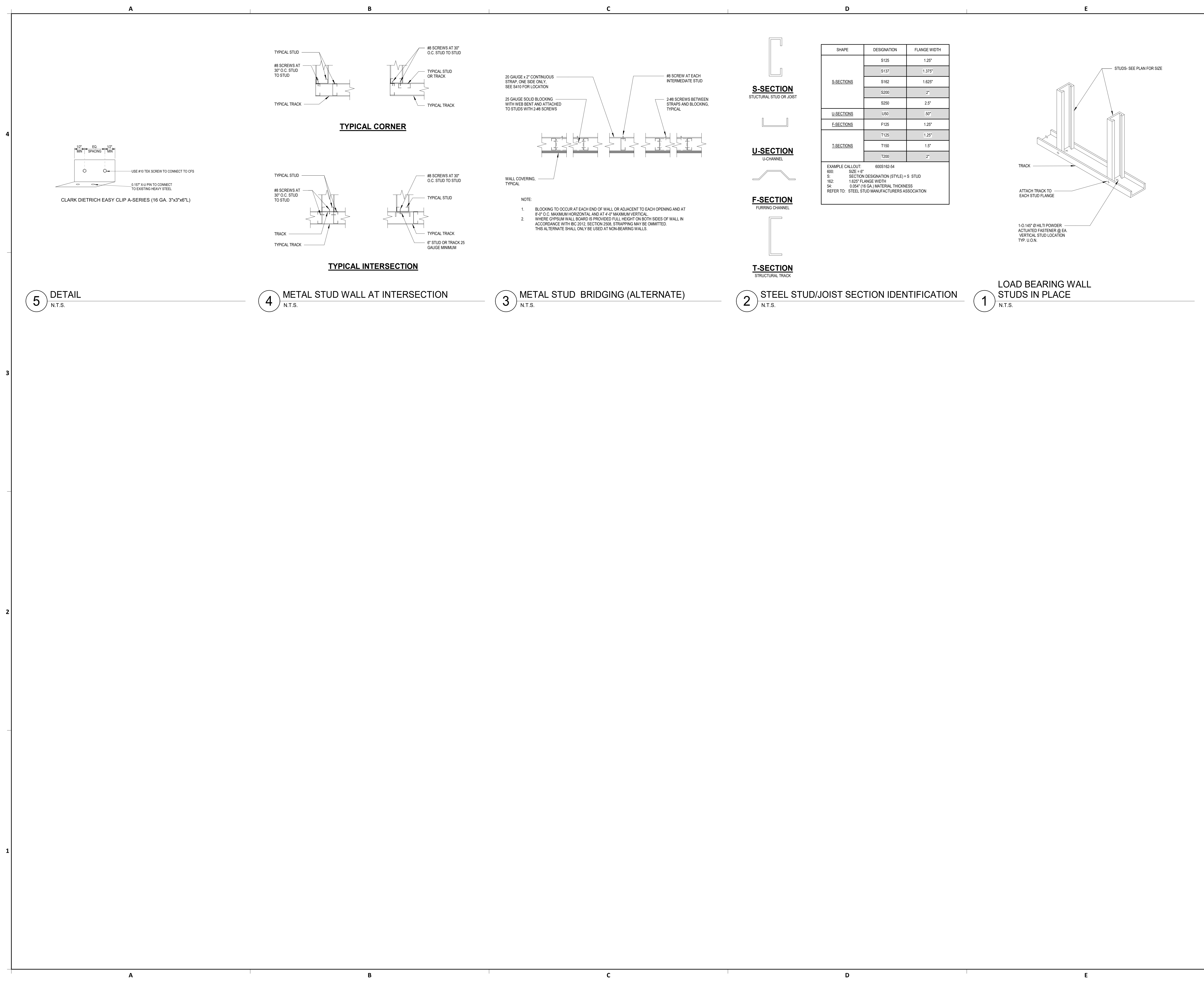
Henderson Rogers Structural Engineers, LLC
TBPE Firm Registration No. 8755

K. ELAINE ROGERS
65566
04/30/24

SHEET NAME: EXISTING ENLARGED RESTROOMS ROOF PLANS AND DETAILS
SHEET No. S-104 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/211240_Terminal D Restrooms_S20.rvt
HAS FILE:



HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH A.S. No.
TRP T.I.P. No. 24-85-1AH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS
800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers
5599 San Felipe, Suite 1425, Houston, Texas 77056
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 /Addendum 1	04/30/2024	

DESIGN BY: MP
DRAWN BY: HT
CHECKED BY: ER
ISSUE DATE: 03.21.24
APPROVED BY: ELAINE ROGERS
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

Henderson Rogers
Structural Engineers, LLC
TBPE Firm Registration No. 8755

K. ELAINE ROGERS
65566
04/30/24

SHEET NAME: FRAMING TYPICAL DETAILS
SHEET No.: S-400 **SCALE:** As indicated

SHEET SIZE: 30"x42" ARCH E1

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No.	A.S. No.
TRP T.I.P. No.	24-86-14H

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

5599 San Felipe, Suite 1425, Houston, Texas 77056
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04/30/2024	

DESIGN BY: MP
DRAWN BY: HT
CHECKED BY: ER
ISSUE DATE: 04.30.24
APPROVED BY: ELAINE ROGERS
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING

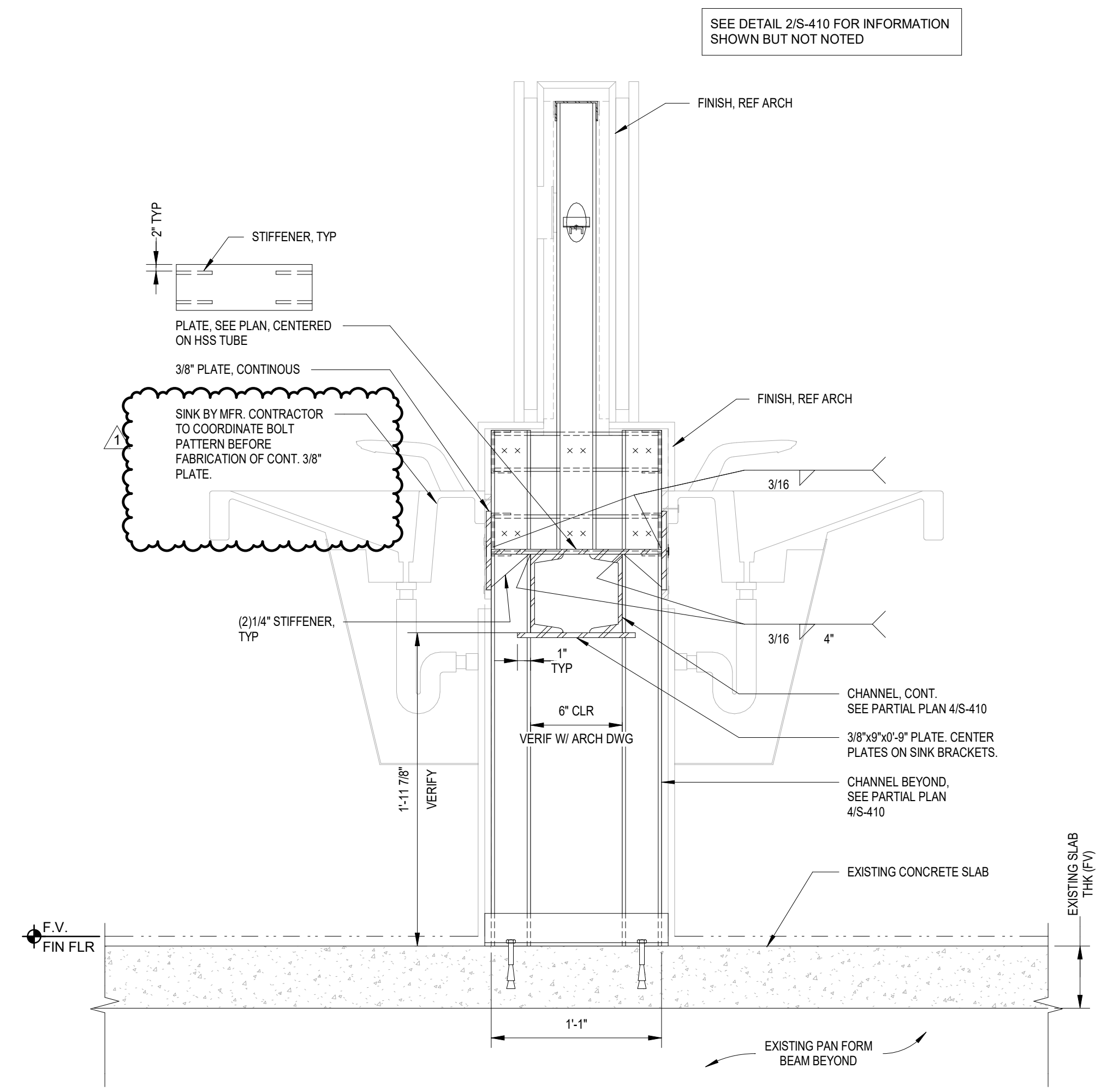
Henderson Rogers Structural Engineers, LLC
TBPE Firm Registration No. 8755

STATE OF TEXAS
K. ELAINE ROGERS
65566
04/30/24

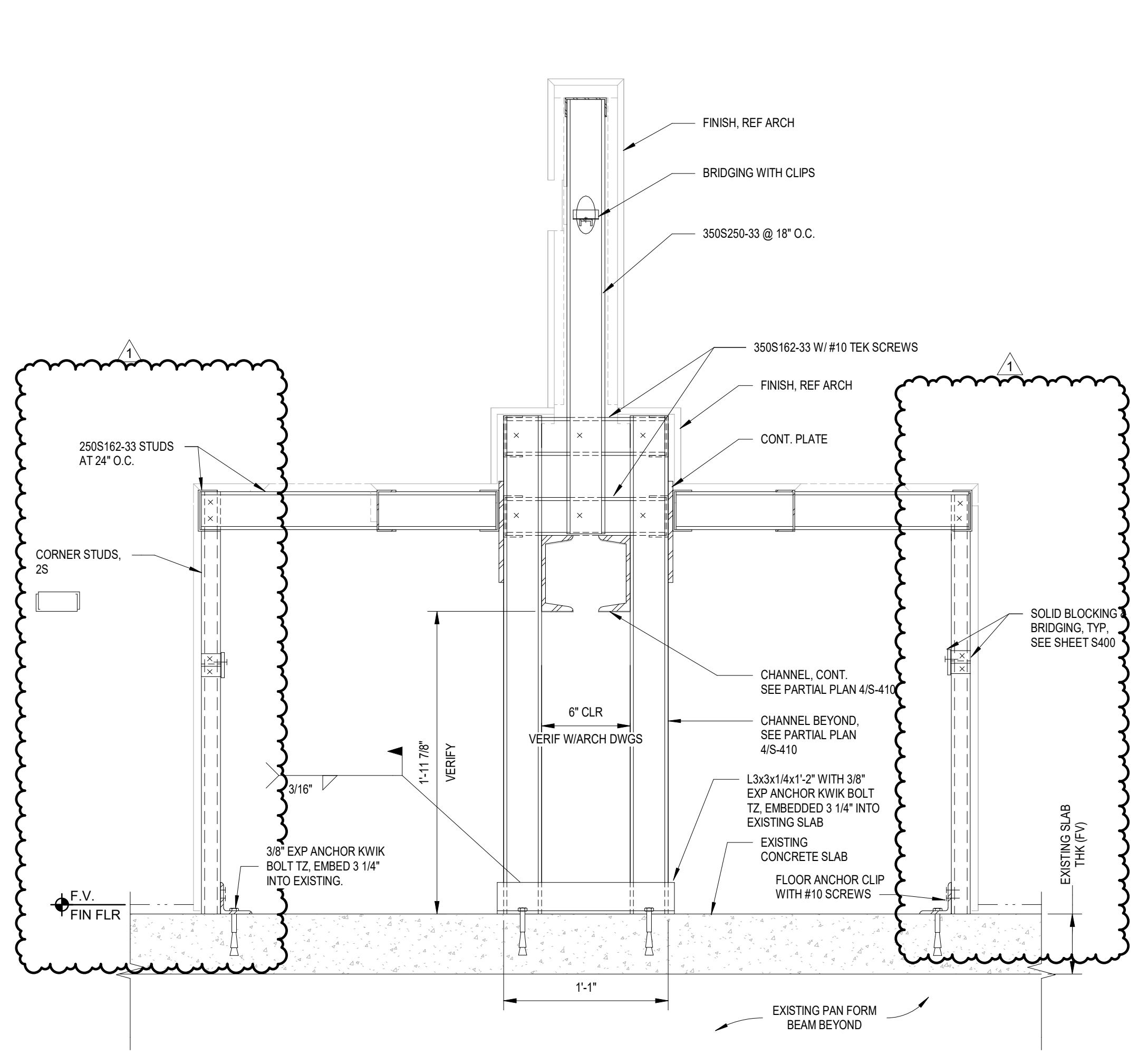
SHEET NAME: FRAMING DETAILS

SHEET No. S-410 SCALE: 1 1/2" = 1'-0"

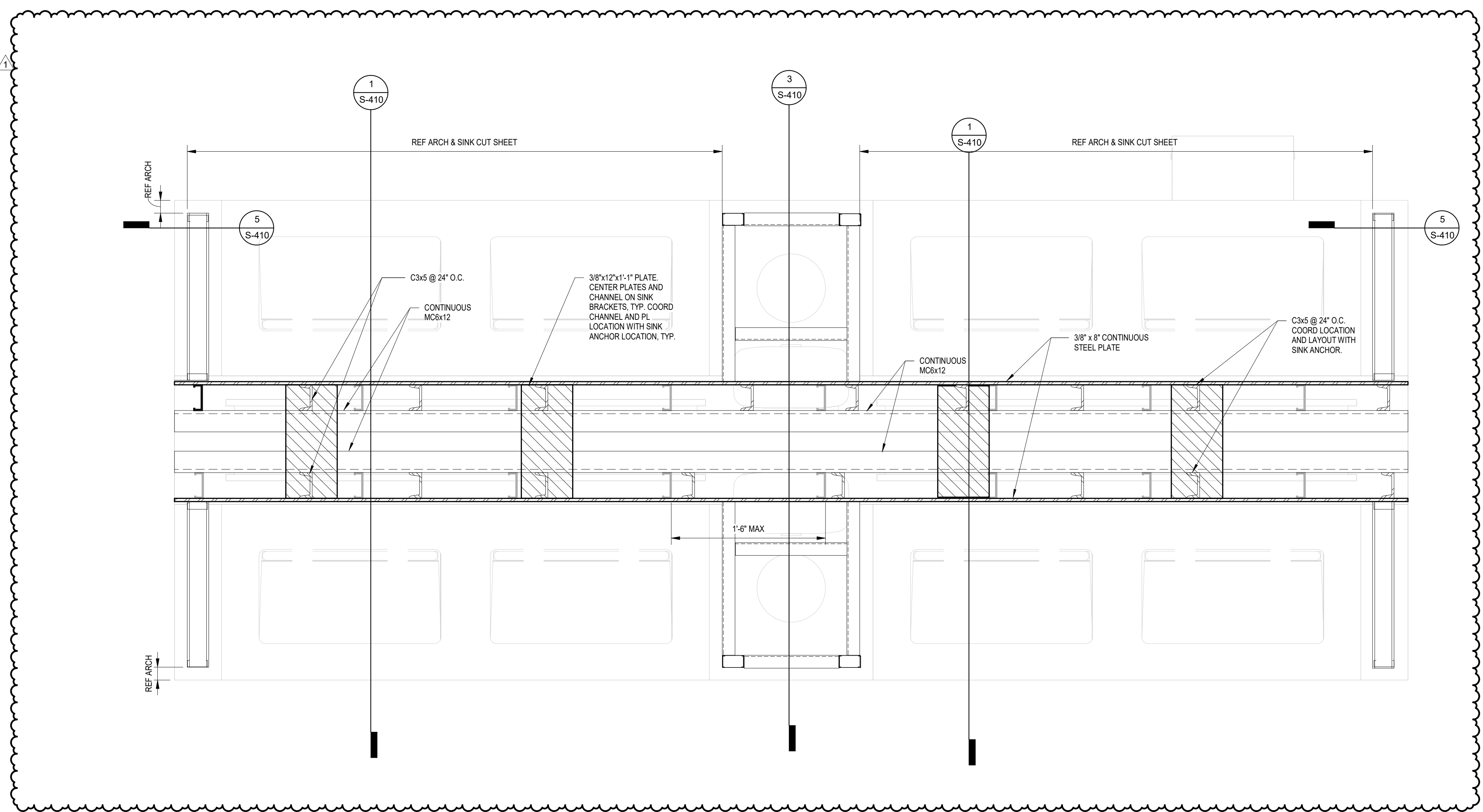
SHEET SIZE: 30"x42" ARCH E1



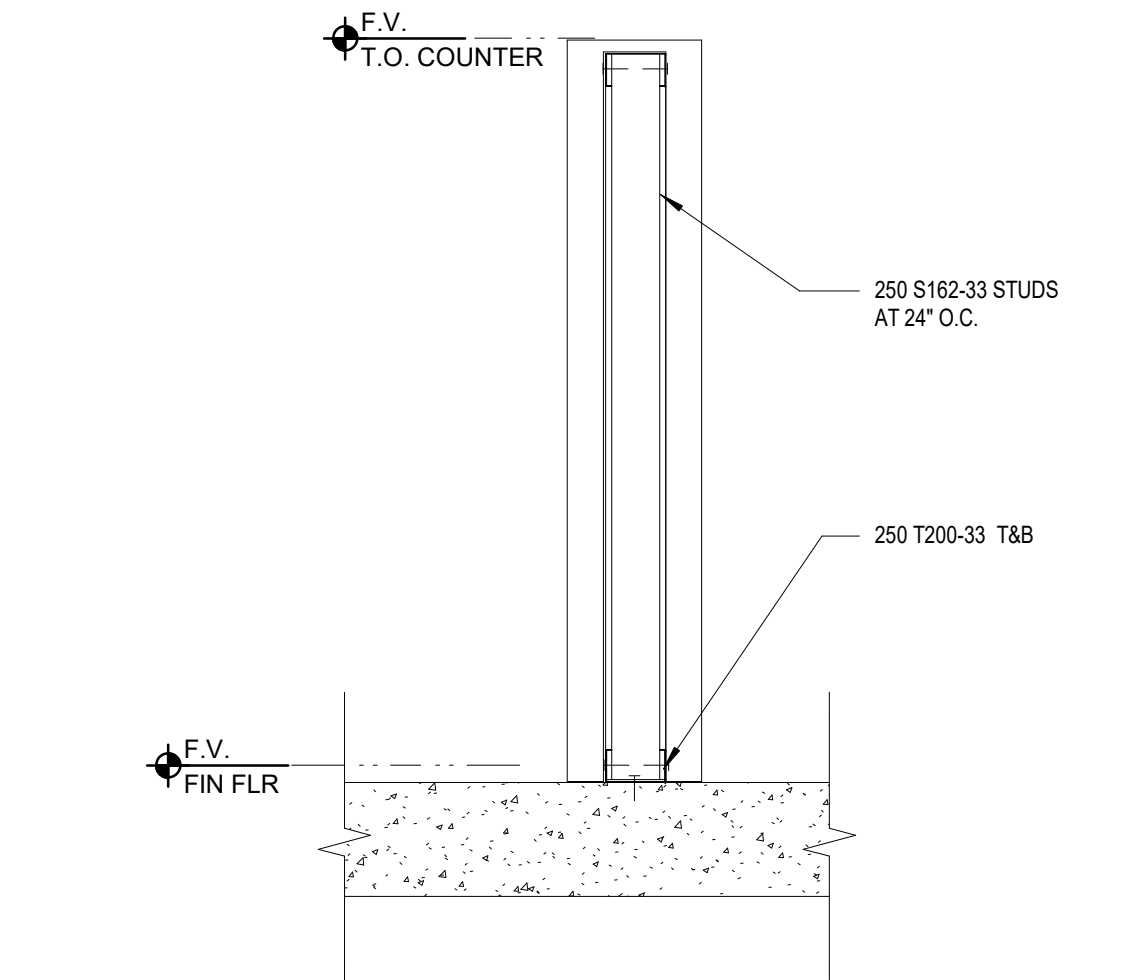
1 SECTION - PRE-FAB SINK UNIT
SCALE: 1 1/2" = 1'-0"



3 SECTION - TRASH UNIT
SCALE: 1 1/2" = 1'-0"



4 PARTIAL PLAN - LAVATORY ISLAND
SCALE: 1 1/2" = 1'-0"



5 SECTION - END WALL
SCALE: 1 1/2" = 1'-0"

PLOT DATE: DOA DWG FILE: PLOT DATE: HAS FILE: FILE PATH: BIM 360://1429.12 Terminal D Restrooms/211240_Terminal D Restrooms_S20.rvt

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEF20.rvt

HAS FILE:

SYMBOL LEGEND

SWITCHES	
\$	SWITCH, SPST, 20A, 120/277V
\$3	SWITCH, 20A, 120/277V, "3" DENOTES THREE-WAY, "4" DENOTES FOUR-WAY
ⓓ	DIMMER CONTROL SWITCH, 1000 WATT UNLESS OTHERWISE NOTED
\$M	SWITCH, MOTION SENSOR, NOVITAS #11-133
\$OC	WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER, PROVIDE ENOUGH SENSORS/CEILING OR WALL MOUNTED FOR FULL ROOM COVERAGE, CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSORS, LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%), EATON #VSW-P-010
	HASH MARKS INDICATE NUMBER OF CONDUCTORS PHASE/NEUTRAL/SWITCH/LEG/GROUND FROM LEFT TO RIGHT, NO HASH MARKS INDICATES 2W, 1F/2C, UNLESS OTHERWISE NOTED.
	UNDERGROUND CONDUIT
RECEPTACLES AND OUTLETS	
	DUPLEX WALL RECEPTACLE, NEMA 5-15R, 15A, 125V OR NEMA 5-20R, 20A, 125V, RE: SPECIFICATIONS, DOT INDICATES ABOVE COUNTER
WP	DUPLEX WALL RECEPTACLE, "WP" DENOTES WEATHERPROOF, "TP" DENOTES SAFETY TYPE, "GFI" DENOTES GROUND FAULT PROTECTION, DOT INDICATES ABOVE COUNTER
	FOURPLEX WALL RECEPTACLE, NEMA 5-15R, 15A, 125V, DOT INDICATES ABOVE COUNTER
	SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED, DOT INDICATES ABOVE COUNTER
	FLOOR OUTLET
	JUNCTION BOX
	DIRECT CONNECTION TO EQUIPMENT
	TELEPHONE WALL OUTLET, PROVIDE 2"x4" OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING
	DATA WALL OUTLET, PROVIDE 2"x4" OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING
	COMBINATION RECEPTACLE/TELEPHONE/DATA FLOOR OUTLET
ELECTRICAL EQUIPMENT	
	DISTRIBUTION PANEL
	PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4" X 8" X 3/4", UNLESS NOTED OTHERWISE
T	TRANSFORMER
MOTORS AND CONTROLS	
	SINGLE OR THREE PHASE MOTOR
	DISCONNECT (SAFETY) SWITCH, "200/3150" DENOTES AMPERES/POLARITY, "NF" DENOTES NON-FUSED
	MOTOR STARTER
	COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER, "200/3150" DENOTES AMPERES/POLARITY, "NF" DENOTES NON-FUSED
	MANUAL MOTOR STARTING WITH THERMAL OVERLOAD
FIRE ALARM	
	FIRE ALARM CONTROL PANEL (FLUSH/SURFACE)
	CEILING SPEAKER/STROBE
	WALL SPEAKER/STROBE
	CEILING STROBE
	WALL STROBE
	SPEAKER
	MANUAL PULL STATION
	AREA SMOKE DETECTOR, "H" HEAT DETECTOR, "DO" DUCT DETECTOR
	SPRINKLER FLOW SWITCH
	VALVE SUPERVISORY SWITCH

GENERAL ELECTRICAL NOTES:

GENERAL NOTES

- THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND WERE MADE FROM THE BEST INFORMATION AVAILABLE. CONFIRM ALL LOCATIONS AND DIMENSIONS IN THE FIELD. VISIT THE SITE PRIOR TO BID. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CONDITIONS AS THEY EXIST AND NO ADDITIONAL COSTS WILL BE ALLOWED FOR READILY OBSERVABLE CONDITIONS.
- GUARANTEE LABOR AND MATERIALS FOR 1 YEAR.
- ALL NEW OR ADDITIONAL POWER DISTRIBUTION EQUIPMENT SHALL BE THE SAME MANUFACTURER AS THE ORIGINAL BUILDING EQUIPMENT AND SHALL BE PROVIDED WITH BLACK PHENOLIC NAMEPLATES WITH WHITE LETTERS (MIN. 5/16" HT.). PANELS SHALL BE EMBOSSED OR ENGRAVED METAL. NAMEPLATE TO INDICATE VOLTAGE, PHASE, BUSSING, AND SHORT CIRCUIT BRACING. SUPPLY NEW, ACCURATE PANEL DIRECTORIES FOR EACH PANEL. BOARD OR DISTRIBUTION PANEL IN WHICH ANY WORK IS PERFORMED EQUIPMENT REQUIRING PROTECTION PER NEC 210.53. PROVIDE NEW BREAKERS IN EXISTING SPACES AS REQUIRED FOR THIS INSTALLATION. BREAKERS FOR ABANDONED CIRCUITS SHALL BE LABELED "SPARES".
- REUSED ELECTRICAL EQUIPMENT, WIRING DEVICES, SPRING DEVICE COVER PLATED CONDUIT AND WIRE WHICH ARE DAMAGED SHALL BE RESTORED TO ORIGINAL INTEGRITY. ALL MATERIALS USED FOR REPAIRS SHALL MEET ORIGINAL SPECIFICATIONS. ABANDONED ELECTRICAL, DATA, OR COMMUNICATIONS ELEMENTS SHALL BE REMOVED BACK TO ORIGINAL SOURCE AND RETURNED TO LANDLORD. REFER TO DATA AND TELEPHONE CONTRACTOR FOR COORDINATION.
- ANY ELECTRICAL WORK AFFECTING THE LIGHTING ON THE ADA MUST BE COORDINATED WITH IAH ELECTRICAL DEPARTMENT.
- FOR ALL TELEPHONE/DATA OUTLETS, PROVIDE AN OPENING, PLASTER RING, AND DEVICE PLATE AT NORMAL RECEPTACLE HEIGHT UNLESS OTHERWISE INDICATED AND A PULLSTRING TO THE ACCESSIBLE CEILING SPACE ABOVE. WHERE THE WALL IS LOCATED BELOW AN INACCESSIBLE CEILING SPACE, PROVIDE A 4" SQUARE JUNCTION BOX WITH A SINGLE DEVICE PLASTER RING MOUNTED FLUSH WITH FINISHED WALL AT NORMAL RECEPTACLE HEIGHT. UNLESS OTHERWISE NOTED, ALL TELECOMMUNICATION CONDUIT TO BE 1" MINIMUM AND ROUTED TO 10' ROOM AND/OR TO ABOVE CABLE TRAY WITH BUSHING.
- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL CIRCUIT DESIGNATIONS AND SHALL MAKE CORRECTIONS AS NEEDED.
- ALL FIRE ALARM SYSTEM DEVICES AND EXIT SIGNAGE SHALL BE INTERFACED WITH BUILDING FIRE ALARM SYSTEM. ALL NEW DEVICES SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. FIRE ALARM SYSTEM CONTRACTOR SHALL VERIFY LOCATION AND QUANTITY OF FIRE ALARM SYSTEM INITIATING, AUTOMATIC INITIATING AND AUDIBLE DEVICES AS REQUIRED BY EXISTING BUILDING SYSTEM. PROVIDE ADDITIONAL FIRE ALARM SIGNALING DEVICES AS REQUIRED TO INSURE ADEQUATE COVERAGE THROUGHOUT THE LEASE AREA. ADDITIONAL FIRE ALARM DEVICES SHALL BE ADDED TO MEET BUILDING STANDARDS AND FIRE ALARM SYSTEM CODE REQUIREMENTS. ALL FIRE ALARM RELATED WORK INCLUDING FIRE ALARM SYSTEM SHUTDOWNS, MUST BE COORDINATED WITH OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH HAS CONSTRUCTION REQUIREMENTS. WORK THAT INTERFERES WITH EXISTING TENANT OR BUILDING ACTIVITIES MAY REQUIRE SPECIAL TIME. THE ELECTRICAL CONTRACTOR SHALL COORDINATE SPECIAL TIME WITH BUILDING MANAGEMENT AND INCLUDE THESE COSTS IN HIS BID PROPOSAL.
- ALL WORK SHALL COMPLY WITH THE FAA, LOCAL BUILDING, PLUMBING, AND MECHANICAL CODES, NFPA 99A, 70 AND ANY OTHER APPLICABLE CODES. ELECTRICAL WORK MUST COMPLY WITH NEC-2023, CITY ELECTRIC CODES, AND HAS ELECTRICAL STANDARDS. BASE BUILDING STANDARDS AND SPECIFICATIONS SHALL APPLY TO ALL WORK SHOWN ON THESE DRAWINGS. IF ANY CONFLICT BETWEEN ANY CODE REQUIREMENTS ARISES, USE THE MOST RESTRICTIVE.
- ALL LOCATIONS OF DEVICES ARE APPROXIMATE. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
- SEAL NEW OR EXISTING PENETRATIONS IN FLOORS, RATED PARTITIONS, AND CORRIDOR WALLS.
- SECURE ALL PERMITS AND PROVIDE ANY REQUIRED TEMPORARY UTILITIES.
- ALL WORK AND SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER SUCH THAT THE WORK IS PERFORMED AT THE OWNERS CONVENIENCE. THIS MAY BE DURING EVENINGS AND WEEKENDS.
- CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS INCLUDING THE CONFIGURATION OF THE CONSTRUCTED WORK.
- REPAIR ANY DAMAGE THAT OCCURS TO ANY ELECTRICAL EQUIPMENT DURING DEMOLITION.
- SUBMIT INFORMATION ON ALL NEW EQUIPMENT IN THE FORM OF SHOP DRAWINGS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR THE CORRECT PROCEDURE.
- PROVIDE 3 COPIES OF THE OPERATION AND MAINTENANCE MANUALS TO THE OWNER. PROVIDE INSTRUCTION ON THE SYSTEM OPERATION TO THE OWNER.
- AS PER 2023 NEC AND ALL HAS STANDARDS ALL PANELS, DISCONNECTS, TRANSFORMERS SHALL HAVE PHENOLIC TAGS STATING ELECTRICAL ROOM, CIRCUIT NUMBER AND VOLTAGE WITH ARC FLASH STICKERS. WHERE APPLICABLE, ALL RECEPTACLES ON TABLES OR BAR AREA SHALL BE GFCI PROTECTED. CONDUIT CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION FITTING PER NEC.
- WIRING - ALL WIRING SHALL BE COPPER, MINIMUM SIZE #12 AWG, THWN, RATED AT 90V VOLTS. PROVIDE GREEN GROUNDING CONDUIT WITH ALL POWER AND RECEPTACLE CIRCUITS. ALL WIRING TO BE IN CONDUIT. LIGHTING FIXTURES MUST HAVE INDIVIDUAL FEEDS TO EACH FIXTURE. "DAISY CHAINING" OF FIXTURES IS NOT ALLOWED. LIGHTING FIXTURE WHIPS MUST BE 6 FEET LONG OR LESS.
- NO AC (BX) OR MC CABLE ALLOWED.
- ALL GROUND RODS TO BE STAINLESS STEEL.
- ALL BONDING AND GROUNDING PER 2023 NEC AND ALL HAS 2023 STANDARDS.
- ALL UNUSED CONDUIT AND WIRING OF ANY CRAFT SHALL BE REMOVED BACK TO ITS SOURCE.
- ALL ELECTRICAL WORK MUST PASS INSPECTION PRIOR TO BACKFILL, CONCRETE PLACEMENT, INSULATION OR COVERWALL OR CEILING.
- BONES - ALL BONES TO BE GALVANIZED STEEL SUITABLE FOR LOCATION AND SIZED PER THE N.E.C. AND SUPPORTED SEPARATELY FROM CONDUIT.
- DEVICES: SWITCHES - SINGLE POLE 3-WAY AND 4-WAY SWITCHES TO BE 20 AMP, 120/240 OR 277/480 VOLT AS APPLICABLE. MOUNT SWITCHES AS SHOWN ON PLAN. SWITCHES AND DEVICE PLATES SHALL BE WHITE IN COLOR, UNLESS NOTED OTHERWISE. HUBBELL #1112 OR EQUAL. COMMERCIAL, GRADE 20 AMP, 120V, NEMA 5-20R, HUBBELL 5820 OR EQUAL. INSTALL RECEPTACLES AS SHOWN ON PLAN. RECEPTACLES AND DEVICE PLATES SHALL BE WHITE IN COLOR, UNLESS NOTED OTHERWISE. ISOLATED GROUND RECEPTACLES TO BE ORANGE HUBBELL 1111 OR EQUAL. FLOOR BOX WITH BRASS CARPET FLANGE SHALL BE HUBBELL B236 OR EQUAL.
- CONDUIT - CONDUIT SHALL BE 3/4" MINIMUM GALVANIZED EMT W/ COMPRESSION FITTINGS. SUPPORT CONDUIT FROM STRUCTURE, NOT TO EXCEED 10' BETWEEN SUPPORTS. DO NOT SUPPORT FROM DUCTWORK OR PIPING. ROUTE CONDUIT AS DIRECTLY AS POSSIBLE WITH LARGE RADIUS BENDS AND INSTALLED PER N.E.C. PROVIDE UL LISTED EXPANSION FITTINGS IN CONDUIT CROSSING EXPANSION OR DEFLECTION JOINT. CLEAN CONDUIT INTERIOR AFTER INSTALLATION. COAT SCRATCHES WITH ZINC PAINT. PROVIDE PULL WIRE FOR ALL EMPTY CONDUIT CONDUIT UNDER SLAB SHALL BE SCHEDULE 40 PVC. ALL CONDUIT SHALL BE CONCEALED IN THE SLEEVES AREAS. ANY CONDUIT PASSING THROUGH THE FLOOR SHALL BE RIGID GALVANIZED STEEL CONDUIT. ALL FLOOR PENETRATIONS SHALL BE INSPECTED FOR FIRE CALKING BY BSIG ELECTRICAL INSPECTORS BEFORE COVERING. CONDUITS PASSING THROUGH FLOORS AND WALLS WILL BE SLEEVED OR PROTECTED BY RESILIENT MATERIAL. SLEEVES AND NON-COMBUSTIBLE RESILIENT ANNULAR PACKING WILL BE USED WHERE CONDUIT PASSES THROUGH FIRE SEPARATIONS, OR AS REQUIRED BY LOCAL CODE ENFORCEMENT. HAS 2023 1.14.
- CONDUCTORS:
 - MINIMUM WIRE SIZE FOR BRANCH CIRCUITS BE NO. 12 AWG COPPER.
 - NO. 14 AWG MAY BE USED FOR CONTROL CIRCUIT WIRING WHEN OVER CURRENT PROTECTION IS PROVIDED IN COMPLIANCE WITH THE APPLICABLE NEC, NFPA AND JIC STANDARDS.
 - NO. 14 AWG OR NO. 16 AWG MAY BE USED FOR "FIXTURE WHIPS" FOR INDIVIDUAL FIXTURES WHEN USING INDIVIDUAL FUSE PROTECTION FOR EACH FIXTURE.
 - ALUMINUM WIRE SHALL BE USED ONLY FOR OVERHEAD SPANS FROM POLE TO POLE, POLE TO BUILDING, OR BUILDING TO BUILDING APPLICATIONS.
 - STRANDED WIRE SMALLER THAN NO. 8 AWG MAY BE FOR BRANCH CIRCUITS PROVIDING:
 - THEY ARE CONNECTED TO WIRING DEVICES THAT UTILIZE CLAMP TYPE TERMINATIONS RATHER THAN BINDER HEAD SCREW CONNECTIONS.
 - THEY ARE TERMINATED WITH SPADE TYPE LUGS FOR BINDER HEAD SCREW CONNECTIONS.
 - THEY ARE SPLICED TO SOLID CONDUCTORS FOR BINDER HEAD SCREW CONNECTIONS.
 - STRANDED CONDUCTORS SHALL BE USED FOR ALL MOTOR AND CONTROL CIRCUIT WIRING.
 - CONDUCTORS FEEDING COMPUTER OUTLETS (OR IN CLOSE PROXIMITY TO A TELECOMMUNICATIONS OUTLET) SHALL HAVE A NEUTRAL ONE SIZE LARGER THAN THE PHASE CONDUCTOR.
 - REQUIRED TORQUE TO TERMINALS IN BREAKERS 100A AND ABOVE MUST BE WITNESSED BY HAS/BSIG ELECTRICAL INSPECTORS.
 - CONDUIT COLOR CODING SHALL BE CONSISTENT ALONG THE ENTIRE LENGTH OF A CIRCUIT. COLOR CODING SHALL BE AS FOLLOWS:

480Y / 277V, 3Ø, 4W	208Y / 120V, 3Ø, 4W	240Y / 120V, 1Ø, 3W
A0 - Brown	A0 - Black	A0 - Black
B0 - Purple	B0 - Red	C0 - Red
C0 - Yellow	C0 - Blue	N - White
N - Gray	N - White	Gmc - Bare
Gnd - Bare	Gnd - Bare	iso Gnd - Green
iso Gnd - Green	iso Gnd - Green	
- MINIMUM #1 HOUSEKEEPING PAD IS REQUIRED FOR THE PAD MOUNTED TRANSFORMERS PER 2023 HAS STANDARDS. ALL DISTRIBUTION TRANSFORMERS WILL BE INSTALL PER 2023 HAS STANDARDS.

HOUSTON AIRPORTS

3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104
Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.

Consulting Mechanical/Electrical/Plumbing Engineers
8620 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS

structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:

PROJECT STATUS:	IFB
-----------------	-----

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Issued/Approval Category

IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 56828

SHEET NAME:
ELECTRICAL ABBREVIATIONS, LEGENDS, AND NOTES

SHEET No. E-001 SCALE: 12" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003
713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

**HENDERSON
ROGERS**
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

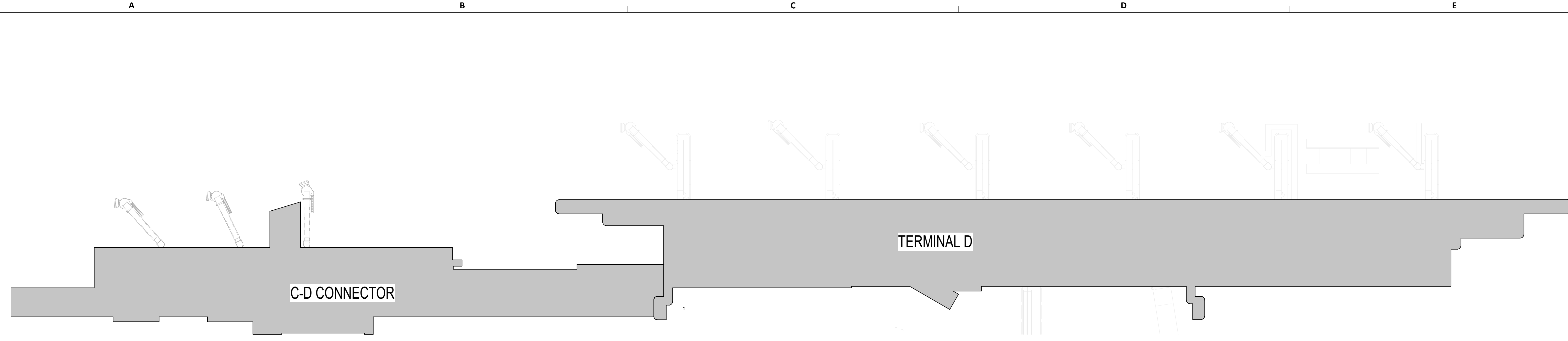
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

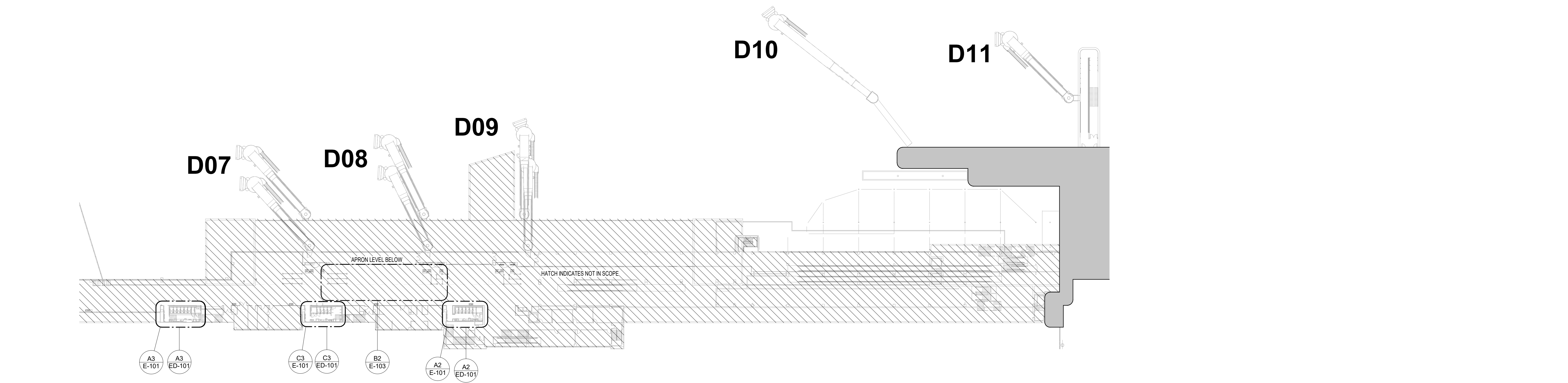
SHEET NAME:
**ELECTRICAL OVERALL PLAN & TERMINAL
LEVELS**

SHEET No. **E-040** SCALE: **As indicated**

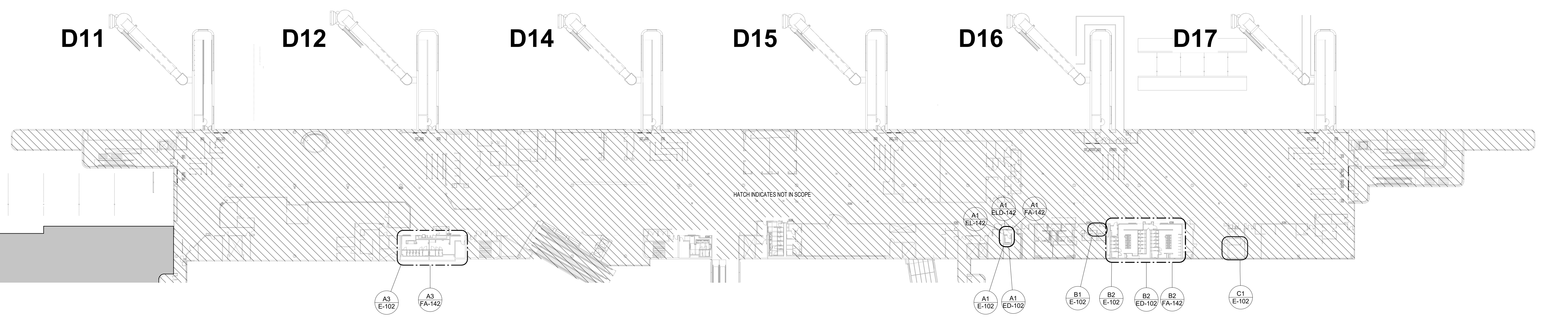
SHEET SIZE: 30"x42" ARCH E1



A3 ELECTRICAL POWER OVERALL
1"=40'



A2 ELECTRICAL POWER CD CONNECTOR DEPARTURES LEVEL
1"=40'



A1 ELECTRICAL POWER TERMINAL D DEPARTURES LEVEL
1"=40'

PLOT DATE: DOA DWG FILE: PLOT DATE: HAS FILE: FILE PATH: BIM 360://1429.12 Terminal D Restrooms/4780_MEP20.rvt

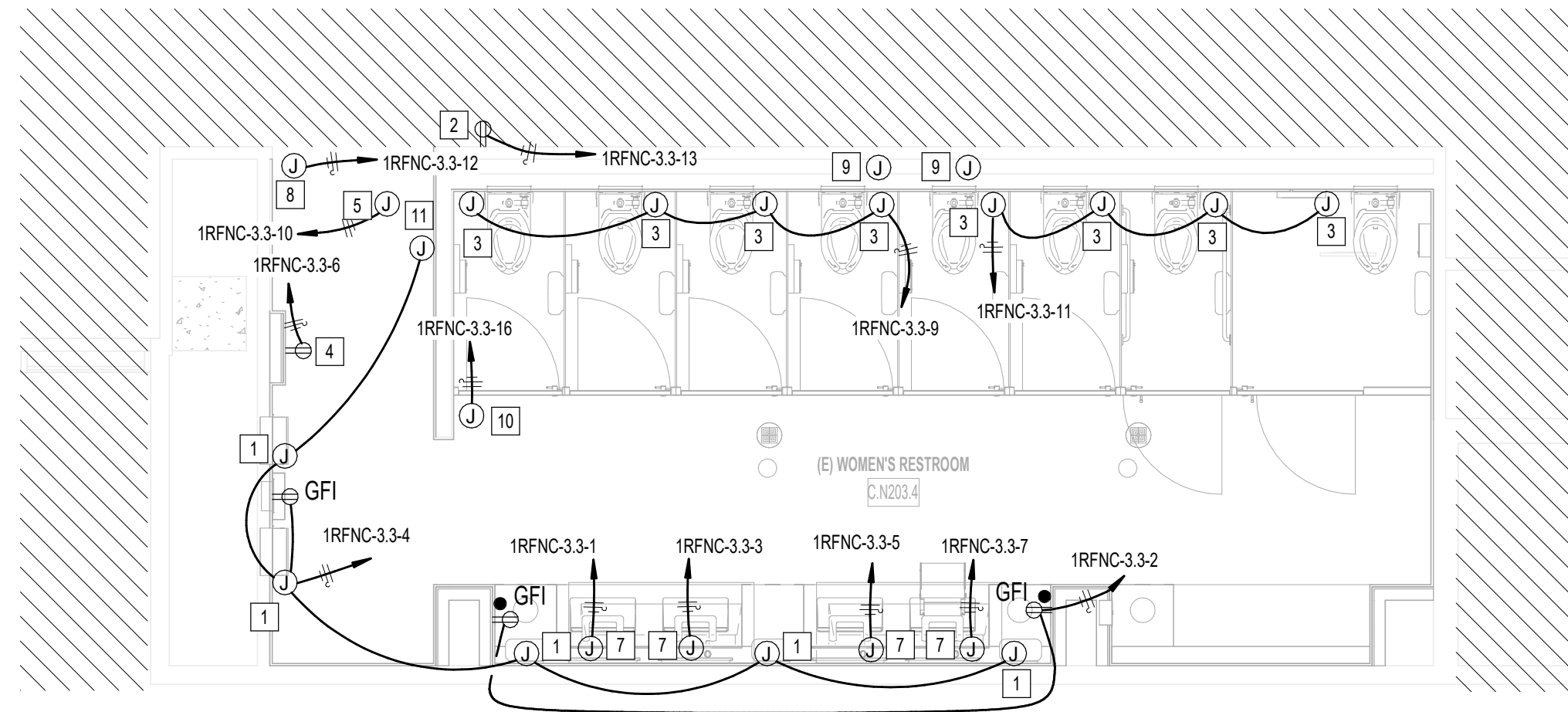
A

B

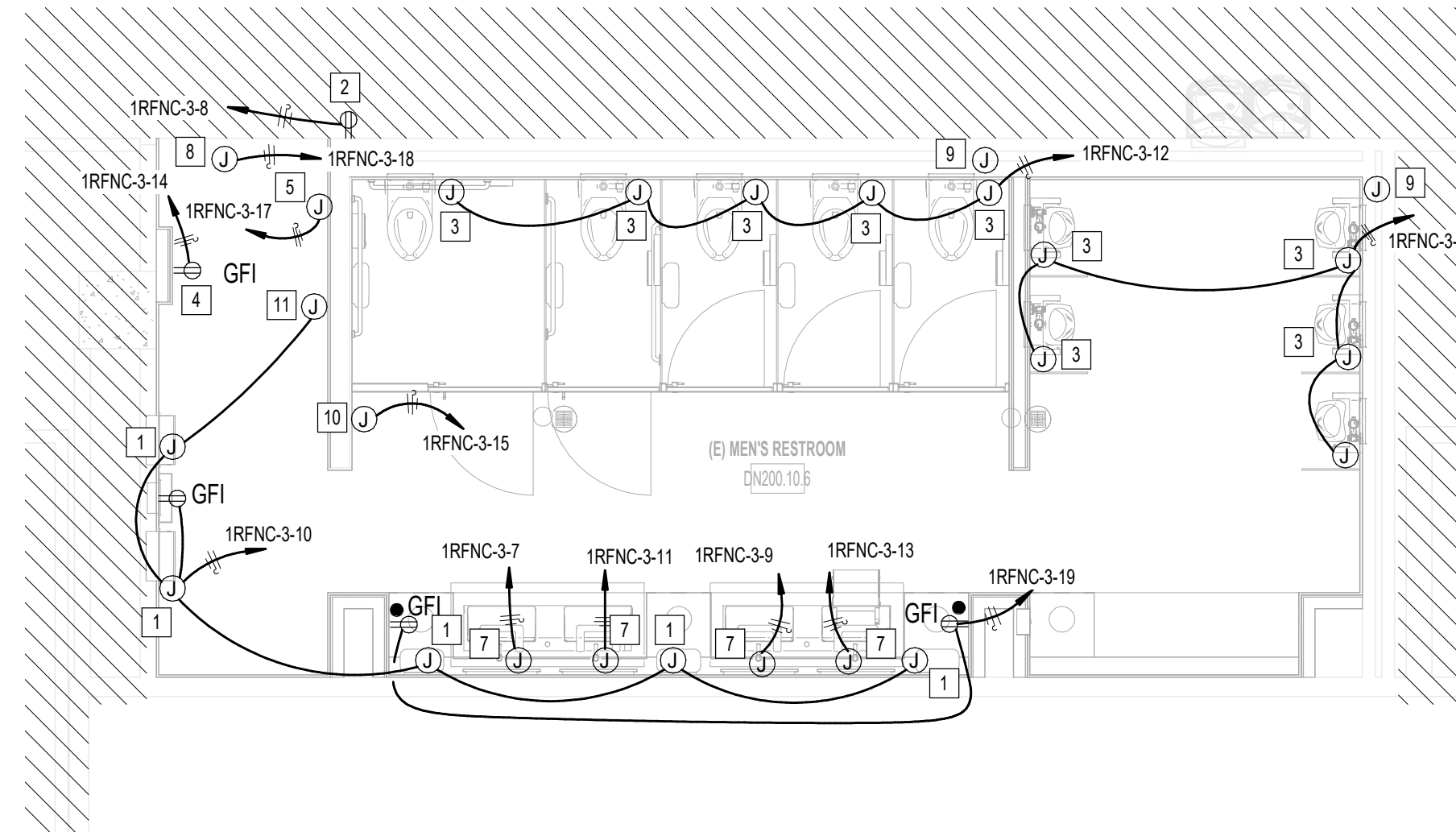
C

D

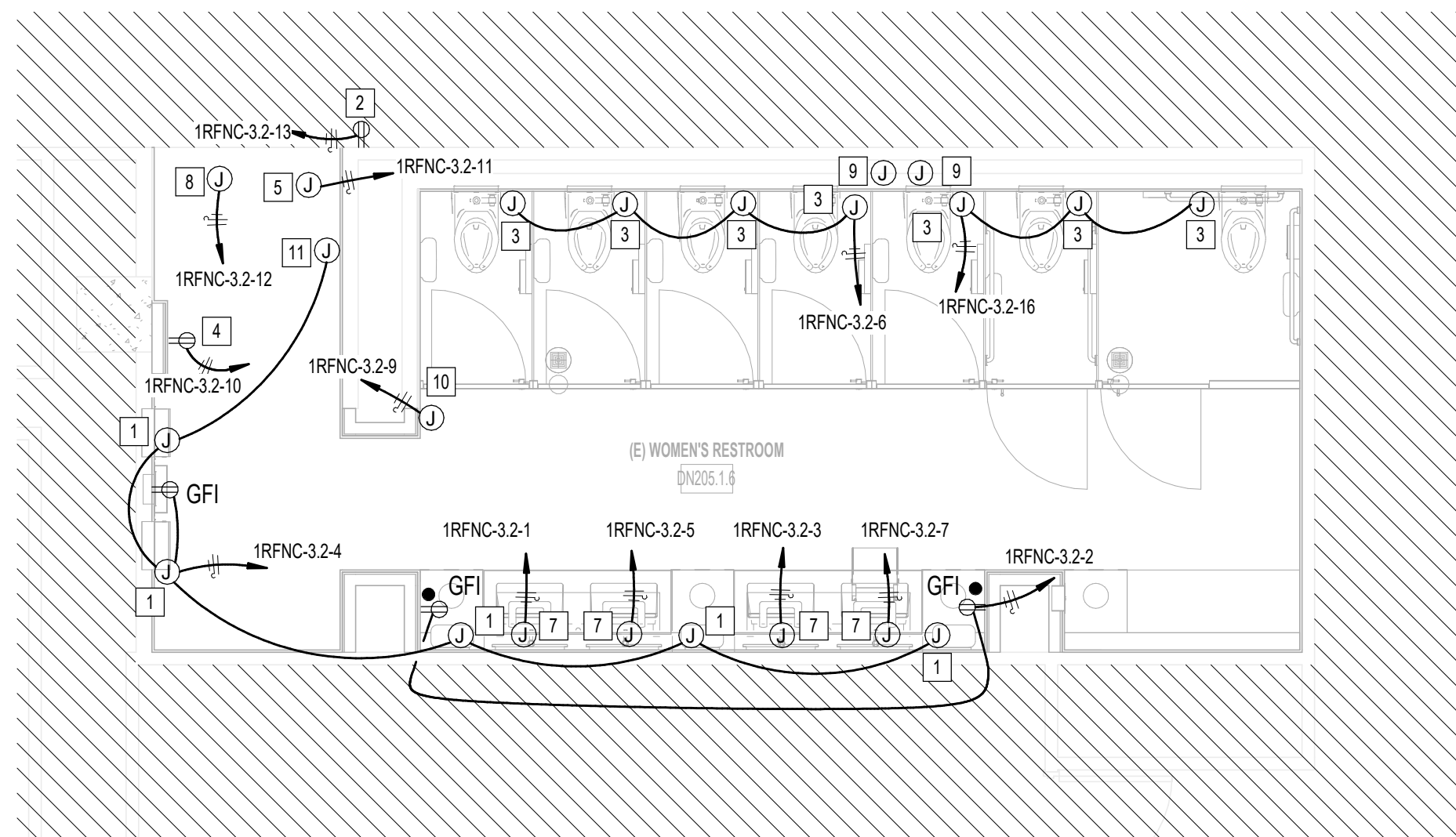
E



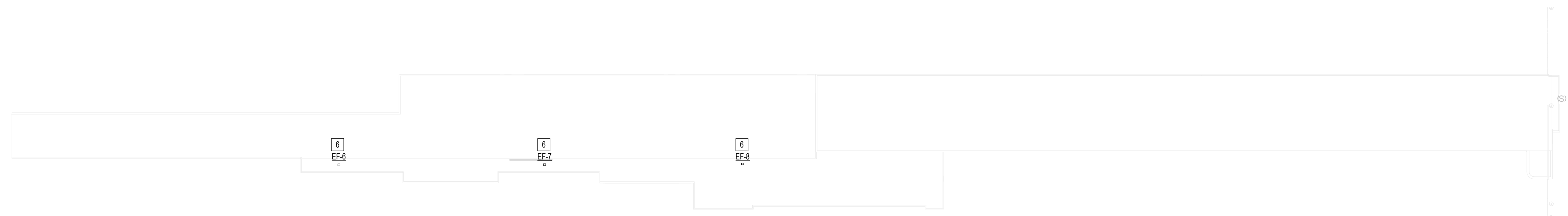
A3 ELECTRICAL POWER WOMEN'S RESTROOM GATE D07 AREA
1/4" = 1'-0"



C3 ELECTRICAL POWER MEN'S RESTROOM GATE D07-D09 AREA
1/4" = 1'-0"



A2 ELECTRICAL POWER WOMEN'S RESTROOM GATE D09 AREA
1/4" = 1'-0"



A1 POWER CD CONNECTOR ROOF PLAN
1" = 48'-0"

PLAN KEY NOTES	
#	NOTE
1	JUNCTION BOX FOR PAPER TOWEL DISPENSER.
2	CONTRACTOR TO COORDINATE FINAL LOCATION OF RECEPTACLE WITH TRIP.
3	JUNCTION BOX FOR TOILET URINAL SENSOR. PROVIDE 120V HARDWIRE CONNECTION. COORDINATE LOCATION OF TRANSFORMER.
4	RECEPTACLE FOR SMART RESTROOM TABLET.
5	NEW LOCATION OF PASSENGER COUNTER. COORDINATE EXACT LOCATION WITH ARCHITECT.
6	RECONNECT NEW EXHAUST FAN TO EXISTING CIRCUIT/RECONNECT SWITCH SERVING REMOVED EXHAUST FAN.
7	JUNCTION BOX FOR WASHBAR, DRYER AND SOAP/WATER FAUCET SENSOR (120V, 120V). COORDINATE CONNECTION WITH EQUIPMENT MANUFACTURER. PROVIDE GFI RECEPTACLE(S) AS REQUIRED.
8	NEW LOCATION FOR JUNCTION BOX FOR SIGN / DAMPER TO REMAIN.
9	LOW VOLTAGE TRANSFORMER FOR TOILET SENSORS. PROVIDE ACCESS PANELS AS REQUIRED.
10	JUNCTION BOX FOR STALL OCCUPANCY LIGHTS. REFER TO TECHNOLOGY DRAWING FOR ADDITIONAL REQUIREMENTS.
11	JUNCTION BOX FOR FREEZE SENSOR. COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECTURAL DRAWINGS.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 56428

SHEET NAME:
ELECTRICAL POWER ENLARGED RR PLANS -
CD CONNECTOR

SHEET No. _____ SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
PLOT DATE: _____
DOA DWG FILE: _____
OLD DOA No.: _____
HAS FILE: _____
PLOT DATE: _____

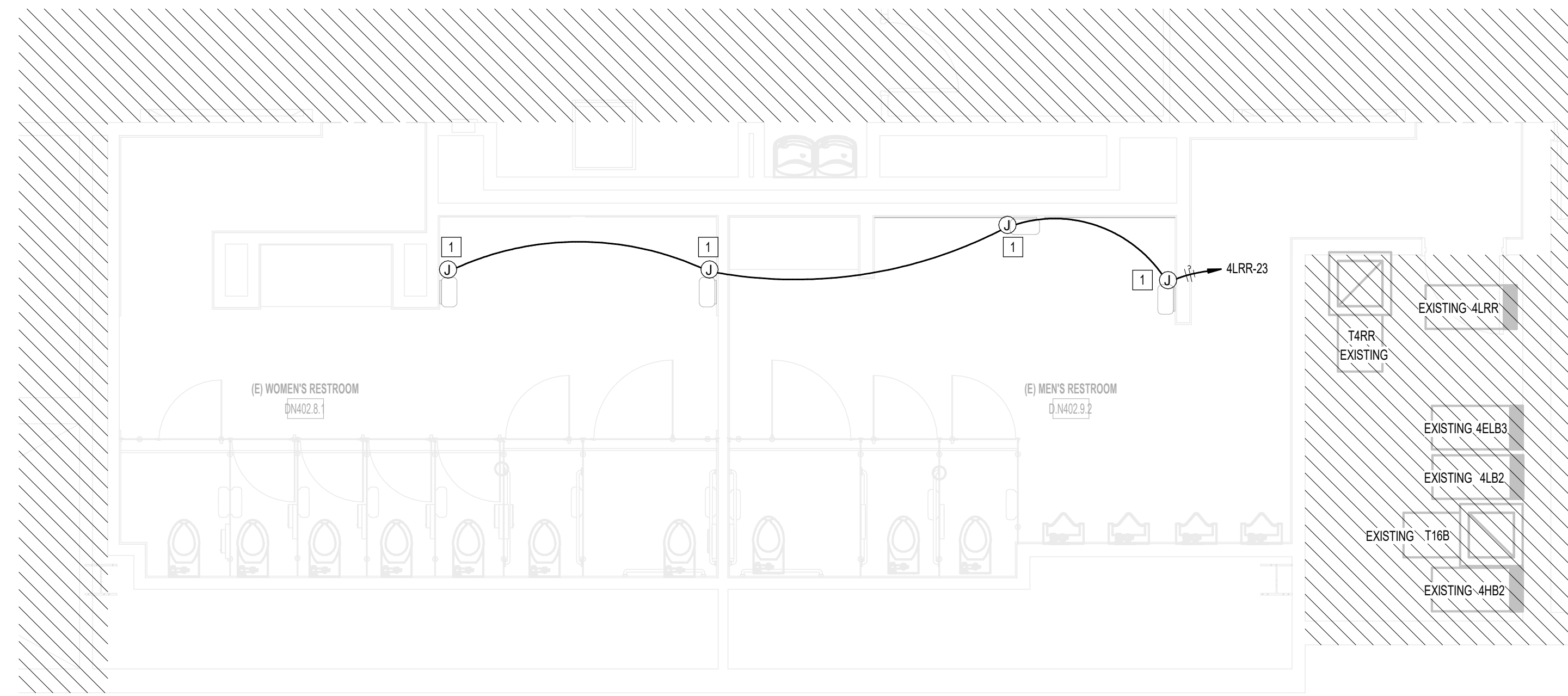
A

B

C

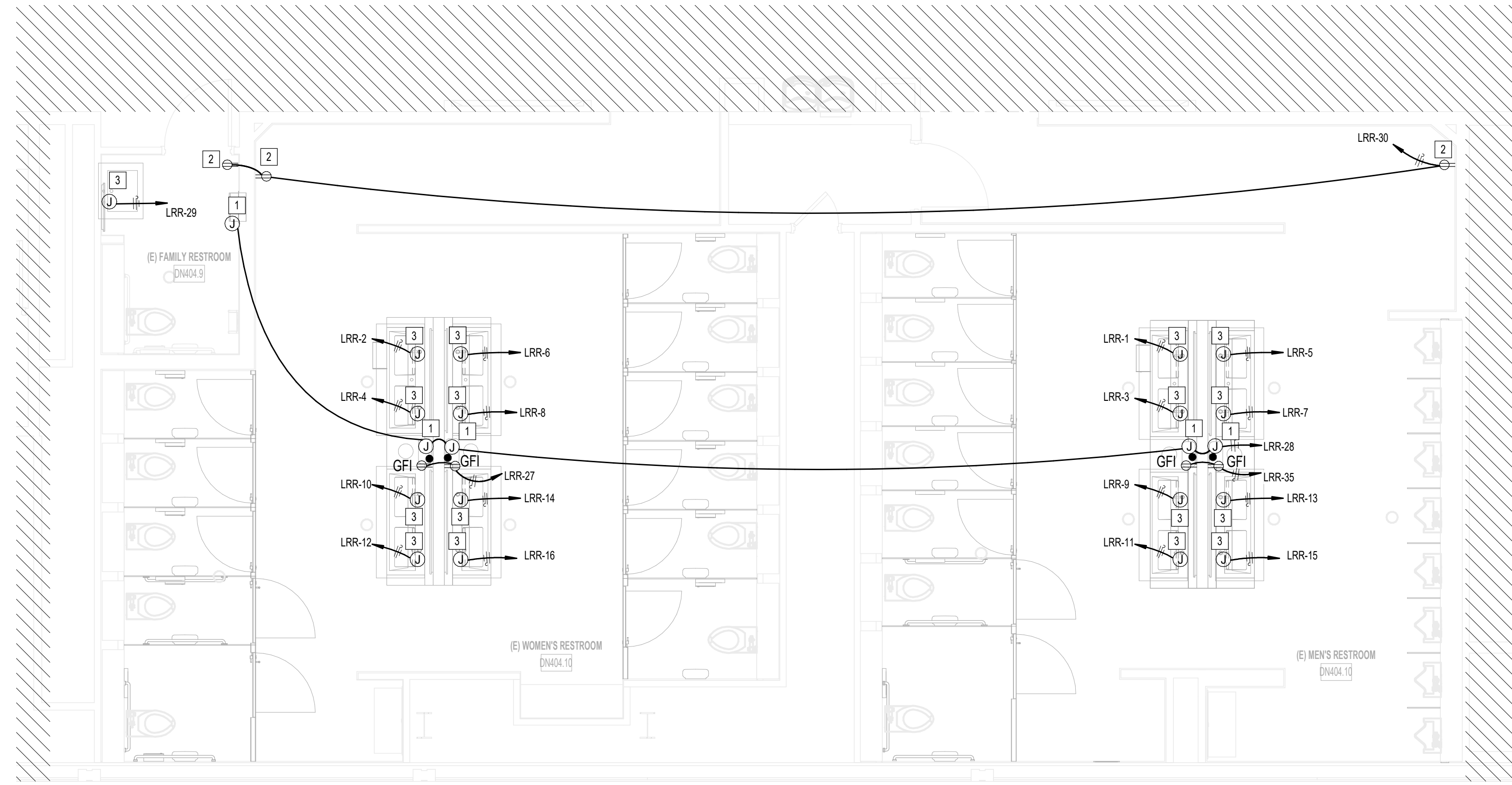
D

E

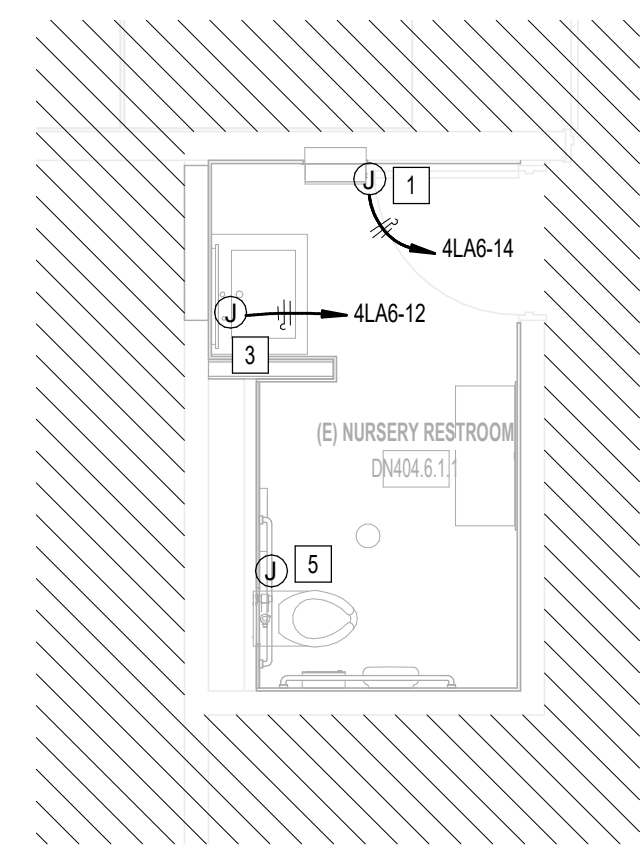


A3 ELECTRICAL POWER MEN & WOMEN'S RR GATE D12
1/4" = 1'-0"

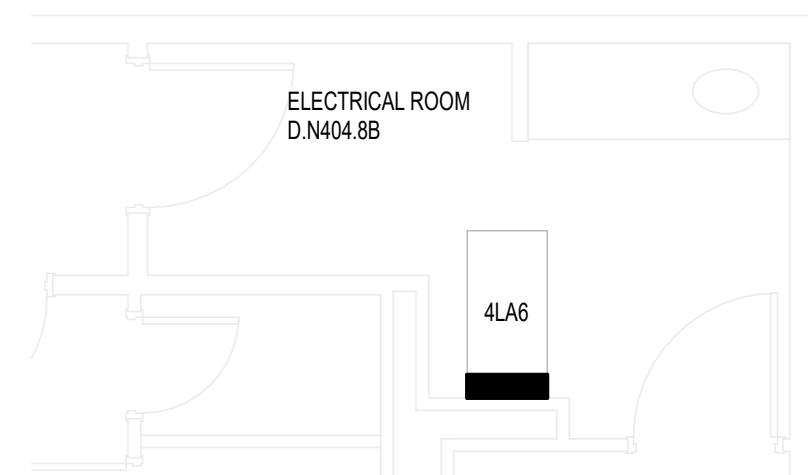
#	NOTE
1	JUNCTION BOX FOR PAPER TOWEL DISPENSER
2	RECEPTACLE FOR SMART RESTROOM TABLET
3	JUNCTION BOX FOR WASHBAR, DRYER AND SOAP WATER FAUCET SENSOR (120W, 120V). COORDINATE CONNECTION WITH EQUIPMENT MANUFACTURER. PROVIDE GFI RECEPTACLE(S) AS REQUIRED
4	NOT USED
5	RECONNECT TO EXISTING JUNCTION BOX FOR AUTO FLUSH SENSOR. COORDINATE EXACT LOCATION IN FIELD.



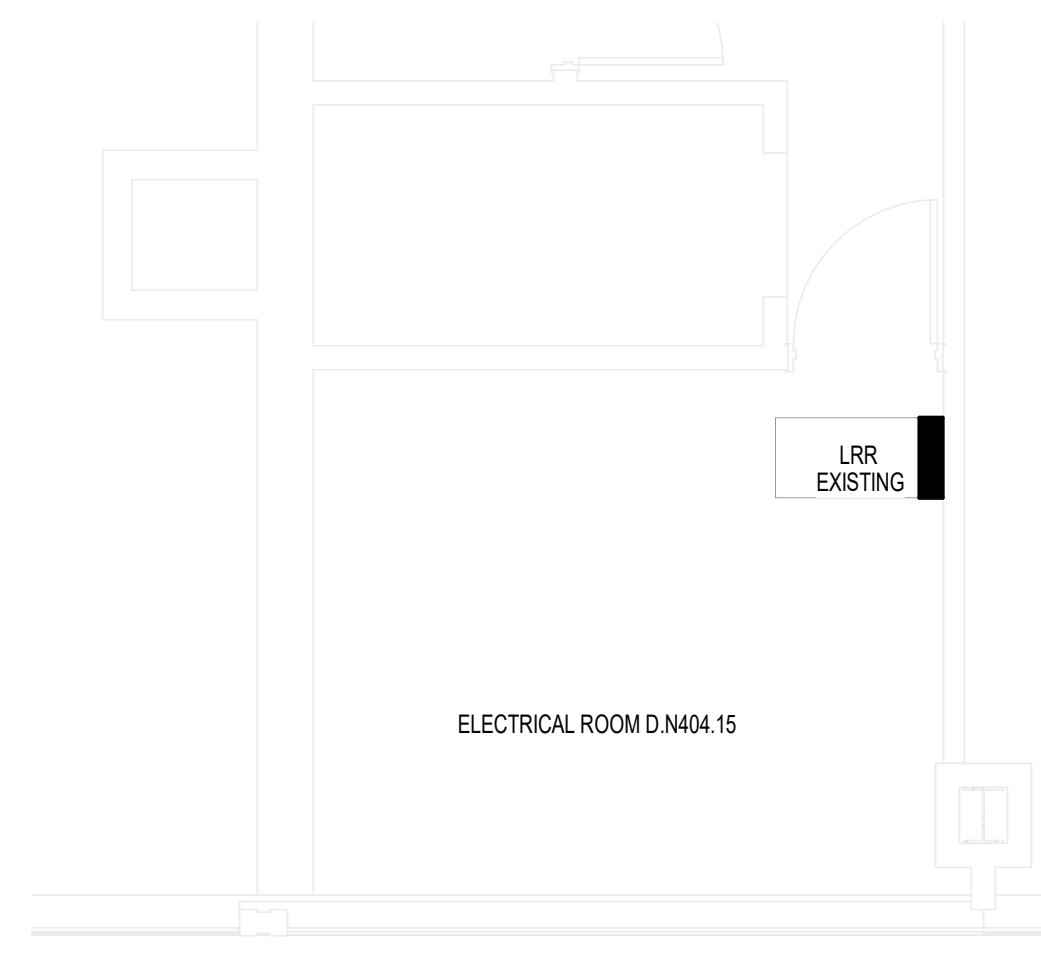
B2 ELECTRICAL POWER D16 AREA RESTROOMS
1/4" = 1'-0"



A1 ELECTRICAL POWER NURSERY RR GATE D15 AREA
1/4" = 1'-0"



B1 ELECTRICAL ROOM D15
1/4" = 1'-0"



C1 ELECTRICAL ROOM D17
1/4" = 1'-0"

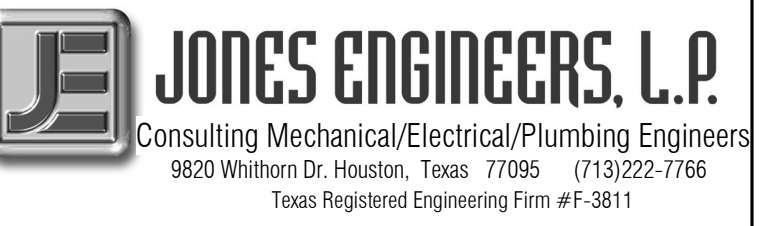


3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

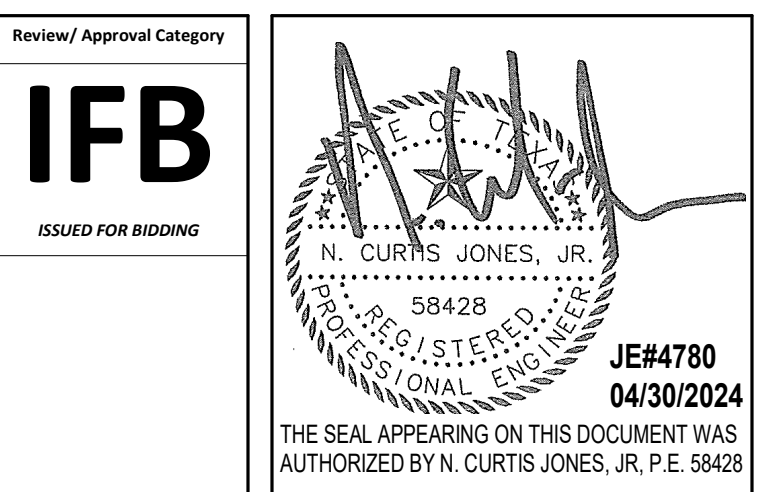
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME:
ELECTRICAL POWER ENLARGED RR PLANS -
TERMINAL D
SHEET No. E-102 SCALE: 1/4" = 1'-0"

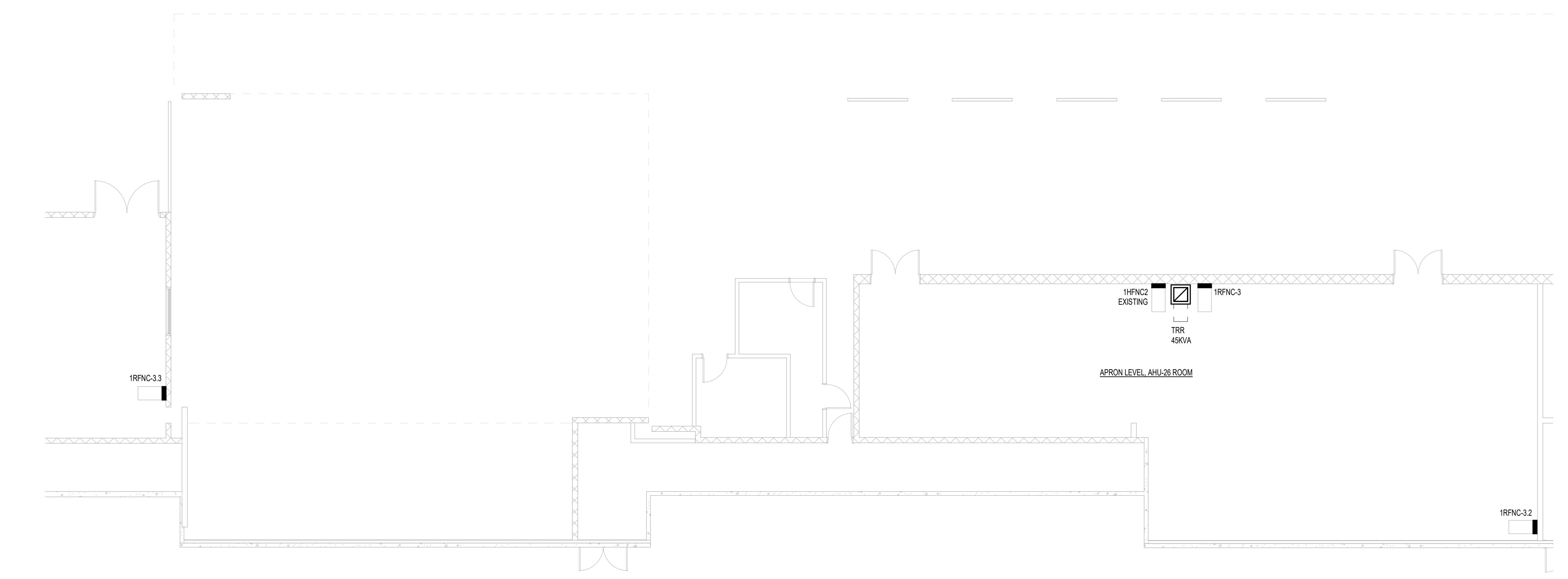
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: DOA DWG FILE: PLOT DATE: FILE PATH: BIM 360://1429.12 Terminal D Restrooms/4780_MEP20.rvt HAS FILE:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

HAS FILE:



B2 ELECTRICAL POWER CD CONNECTOR APRON LEVEL - AHU26 MECHANICAL ROOM
1/8" = 1'-0"



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

**HENDERSON
ROGERS**
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024

SHEET NAME:
ELECTRICAL POWER ENLARGED RR PLANS -
CD CONNECTOR - APRON LEVEL

SHEET No. E-103 SCALE: 1/8" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM
RENOVATIONS

C.I.P. No.
C.O.H. No.
B.S.G. No.
TRP T.I.P. No.
A.I.P. No.
D.O.A. No.
H.A.S. No.
2024-92-IAH
24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104
Houston, TX 77003
713.868.3121
www.rdlr.com



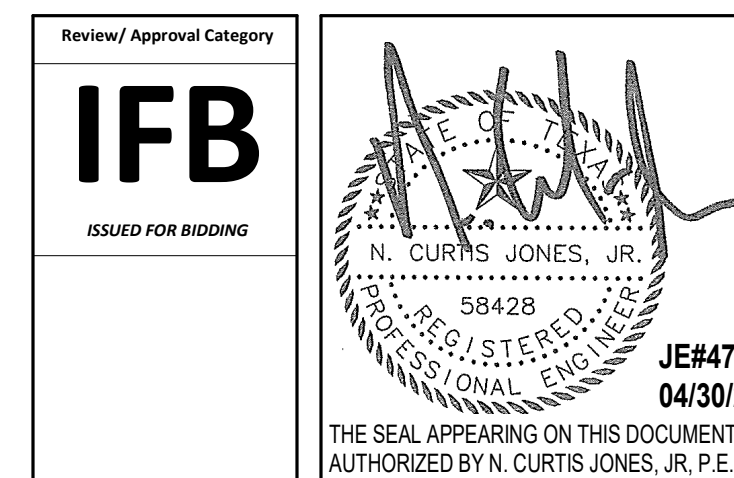
HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: IFB

Table with 3 columns: No., DESCRIPTION, DATE, BY. Row 1: 1, IFB - cycle 1 / Addendum 1, 04.30.24, JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: ELECTRICAL SCHEDULE

SHEET No. E-201 SCALE:

SHEET SIZE: 30"x42" ARCH E1

BRANCH PANEL: 4LA6 EXISTING. Table with columns: CKT, CIRCUIT DESCRIPTION, WIRE, TRIP, POLES, A, B, C, POLES, TRIP, WIRE, CIRCUIT DESCRIPTION, CKT. Includes load classification and totals.

BRANCH PANEL: LRR EXISTING. Table with columns: CKT, CIRCUIT DESCRIPTION, WIRE, TRIP, POLES, A, B, C, POLES, TRIP, WIRE, CIRCUIT DESCRIPTION, CKT. Includes load classification and totals.

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
PLOT DATE:
DOA DWG FILE:
OLD DOA No.:
PLOT DATE:
HAS FILE:

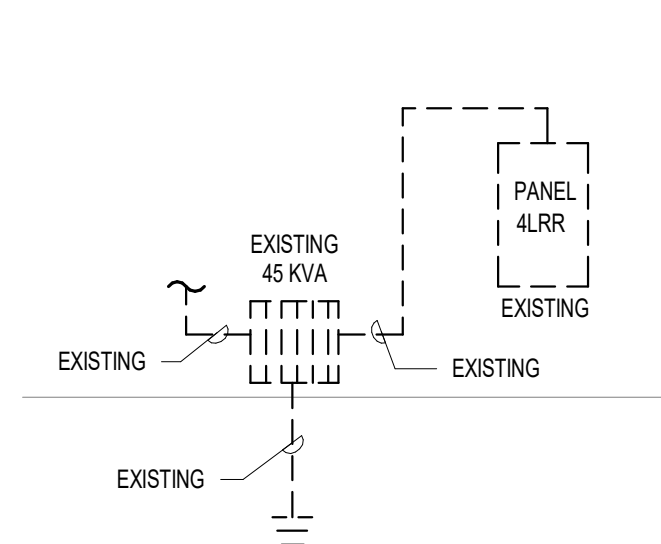
A

B

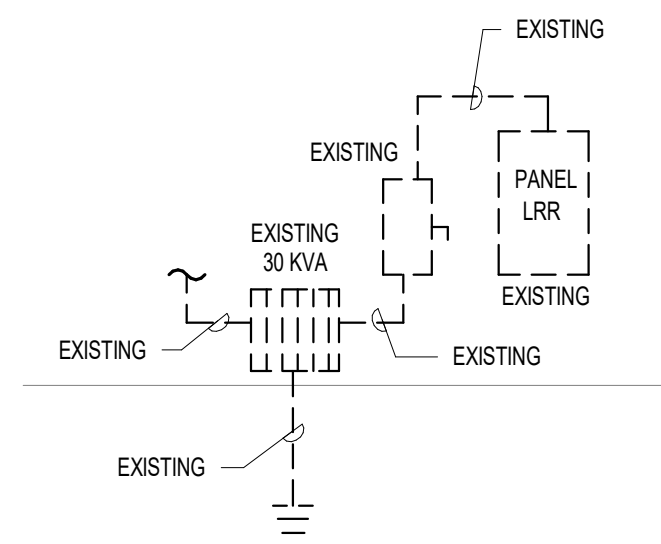
C

D

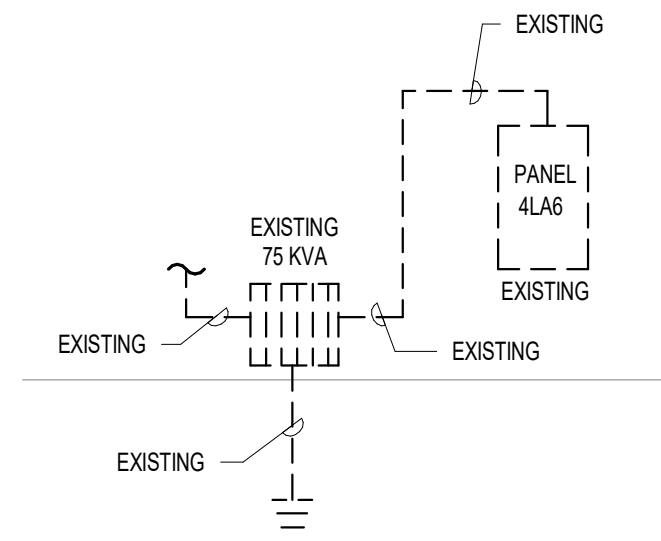
E



C4 ELECTRICAL RISER DIAGRAM D12
N.T.S.



D4 ELECTRICAL RISER DIAGRAM D16
N.T.S.



C3 ELECTRICAL RISER DIAGRAM D15
N.T.S.

BRANCH PANEL: 1HFNC2		EXISTING	
LOCATION:		VOLTS: 480/277 Wye	
SUPPLY FROM:		PHASES: 3	
MOUNTING: SURFACE		MAINS TYPE: MLO	
ENCLOSURE: Type 1		WIRES: 4	
		A.I.C. RATING: 18K	
		MAINS RATING: 150 A	
		MCB RATING:	

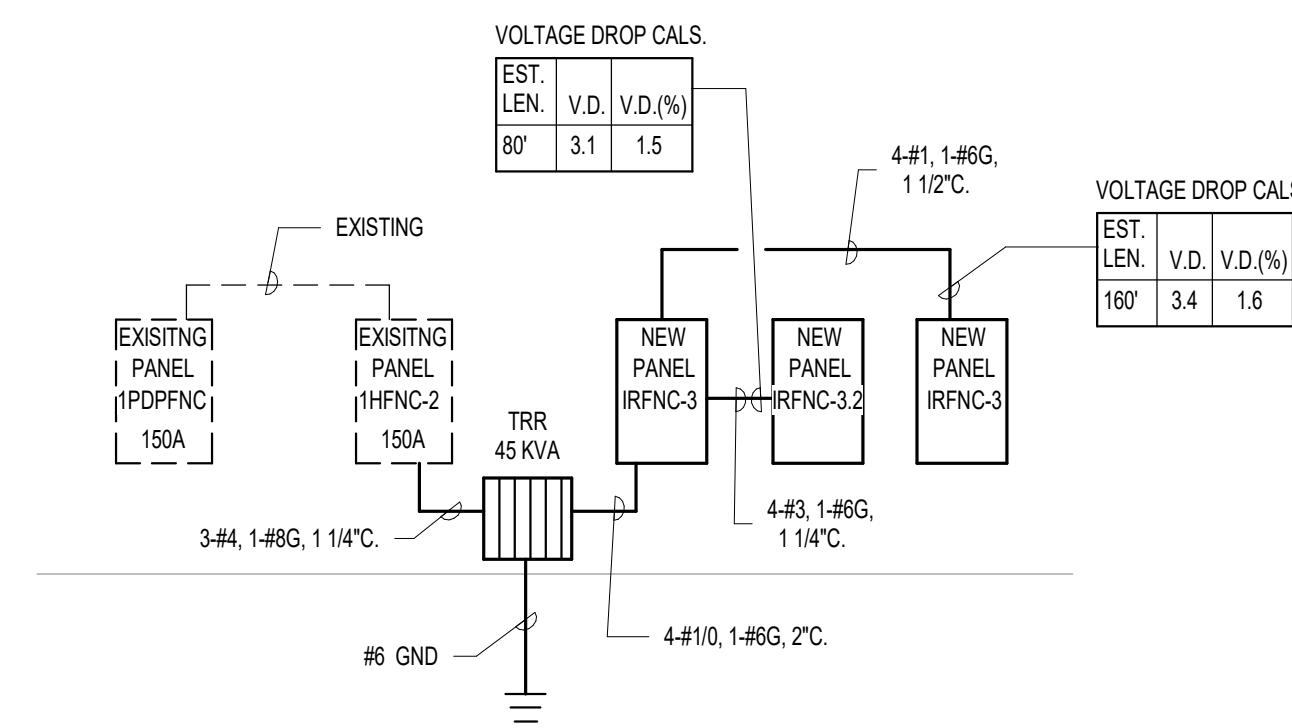
NOTES:

CKT	CIRCUIT DESCRIPTION	WIRE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE	CIRCUIT DESCRIPTION	CKT	
1	EXISTING LIGHTING CONCOURSE	--	20 A	1	2.4 kVA	2.5 kVA		1	20 A	--	EXISTING LIGHTING CONCOURSE	2	
3	EXISTING LIGHTING CONCOURSE	--	20 A	1	1.8 kVA	3.4 kVA		1	20 A	--	EXISTING LIGHTING CONCOURSE	4	
5	EXISTING LIGHTING CONCOURSE	--	20 A	1			3.1 kVA	3.0 kVA	1	20 A	--	EXISTING LIGHTING CONCOURSE	6
7	EXISTING SIGNAGE	--	20 A	1	1.2 kVA	2.8 kVA		1	20 A	--	EXISTING HUB FIBER	8	
9	SPARE	--	20 A	1	0.0 kVA	3.5 kVA		1	20 A	--	EXISTING COLD CATHODE HUB	10	
11							6.6 kVA	4.2 kVA	1	20 A	--	EXISTING LOAD	12
13	EXISTING AHU-IDFN01	--	30 A	3	6.6 kVA	5.8 kVA						14	
15					6.6 kVA	5.8 kVA						16	
17												18	
19												20	
21												22	
23												24	
25												26	
27	XFMR TRR PANEL 1RFNC-3		70 A	3	9.0 kVA	--						28	
29							9.3 kVA	--				30	
TOTAL LOAD:					30253 VA	30223 VA	26178 VA						
TOTAL AMPS:					111 A	111 A	95 A						

LEGEND:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Existing Load	19175 VA	125.00%	23969 VA	
HVAC	19530 VA	100.00%	19530 VA	TOTAL CONN. LOAD: 28655 VA
Lighting	16200 VA	125.00%	20250 VA	TOTAL EST. DEMAND: 28655 VA
Power	28650 VA	100.00%	28650 VA	TOTAL CONN.: 104 A
Receptacle	2700 VA	100.00%	2700 VA	TOTAL EST. DEMAND: 115 A

NOTES:
DID NOT EXCEED PANEL CAPACITY OF 150AMPS



C1 ELECTRICAL RISER DIAGRAM D7-D9
N.T.S.

Mark	Description	Mounting	Lamps/ Watts	Type	Voits	Lens	Remarks
D	FOCALPOINT #FL60-10LED-L40-RD-T	RECESSED	12	LED	UNV		
DE	FOCALPOINT #FL60-10LED-L40-RD-T	RECESSED	12	LED	UNV		WITH 90 MINUTE BATTERY BACKUP, INTEGRAL TEST SWITCH.
G1	MARK #SL4LXXFT-RLP-XX-60CR-40K400L-MF-MIN10-277-ZT	RECESSED	68	LED	UNV		COORDINATE LENGTH OF FIXTURE IN FIELD.
G2	MARK #SL4LXXFT-RLP-XX-60CR-40K400L-MF-MIN10-277-ZT	RECESSED	28	LED	UNV		COORDINATE LENGTH OF FIXTURE IN FIELD.
G3	MARK #FINL 3.4D N 40 AD XX CR	RECESSED	20	LED	UNV		COORDINATE LENGTH OF FIXTURE IN FIELD.
G4	MARK #FINL 2.4D N 40 AD XX CR	RECESSED	12	LED	UNV		COORDINATE LENGTH OF FIXTURE IN FIELD.
G5	MARK #SL4LXXFT-RLP-XX-60CR-40K400L-MF-MIN10-277-ZT	RECESSED	104	LED	UNV		COORDINATE LENGTH OF FIXTURE IN FIELD.
G6	MARK #SL4LXXFT-RLP-XX-60CR-40K400L-MF-MIN10-277-ZT	RECESSED	82	LED	UNV		COORDINATE LENGTH OF FIXTURE IN FIELD.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
TRP T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

Review/Approval Category

IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 58428

SHEET NAME: ELECTRICAL DETAIL

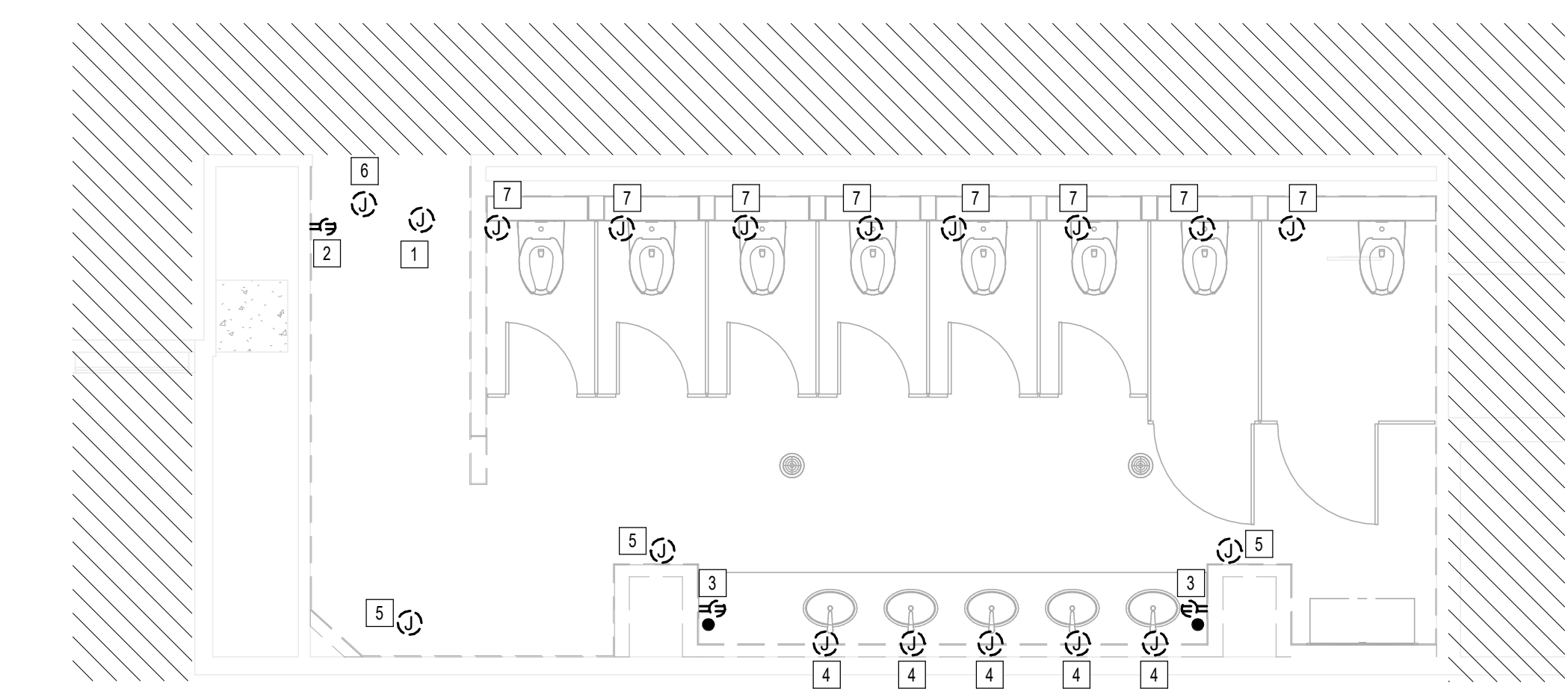
SHEET No. E-300 SCALE: N.T.S.

SHEET SIZE: 30"x42" ARCH E1

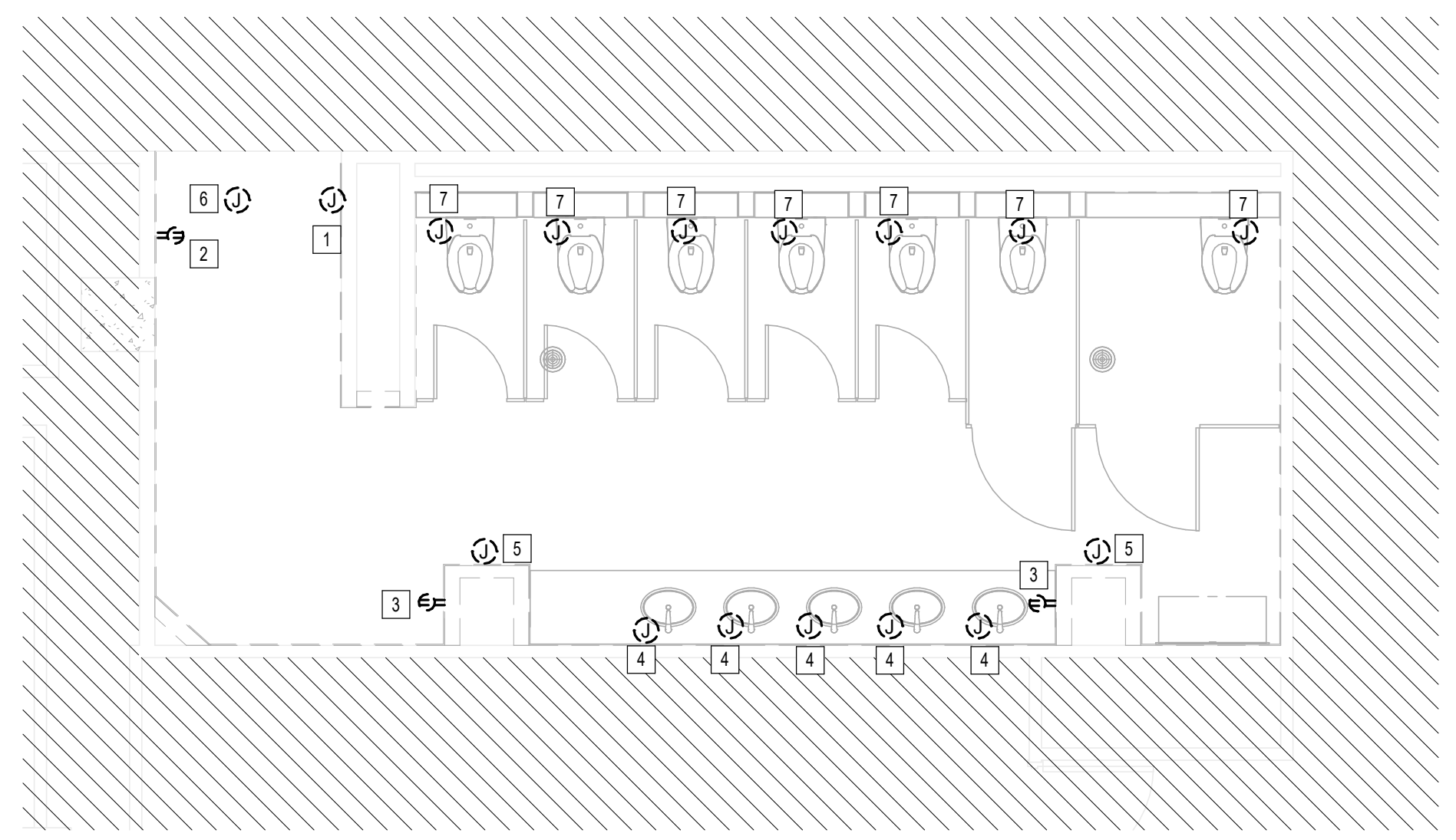
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

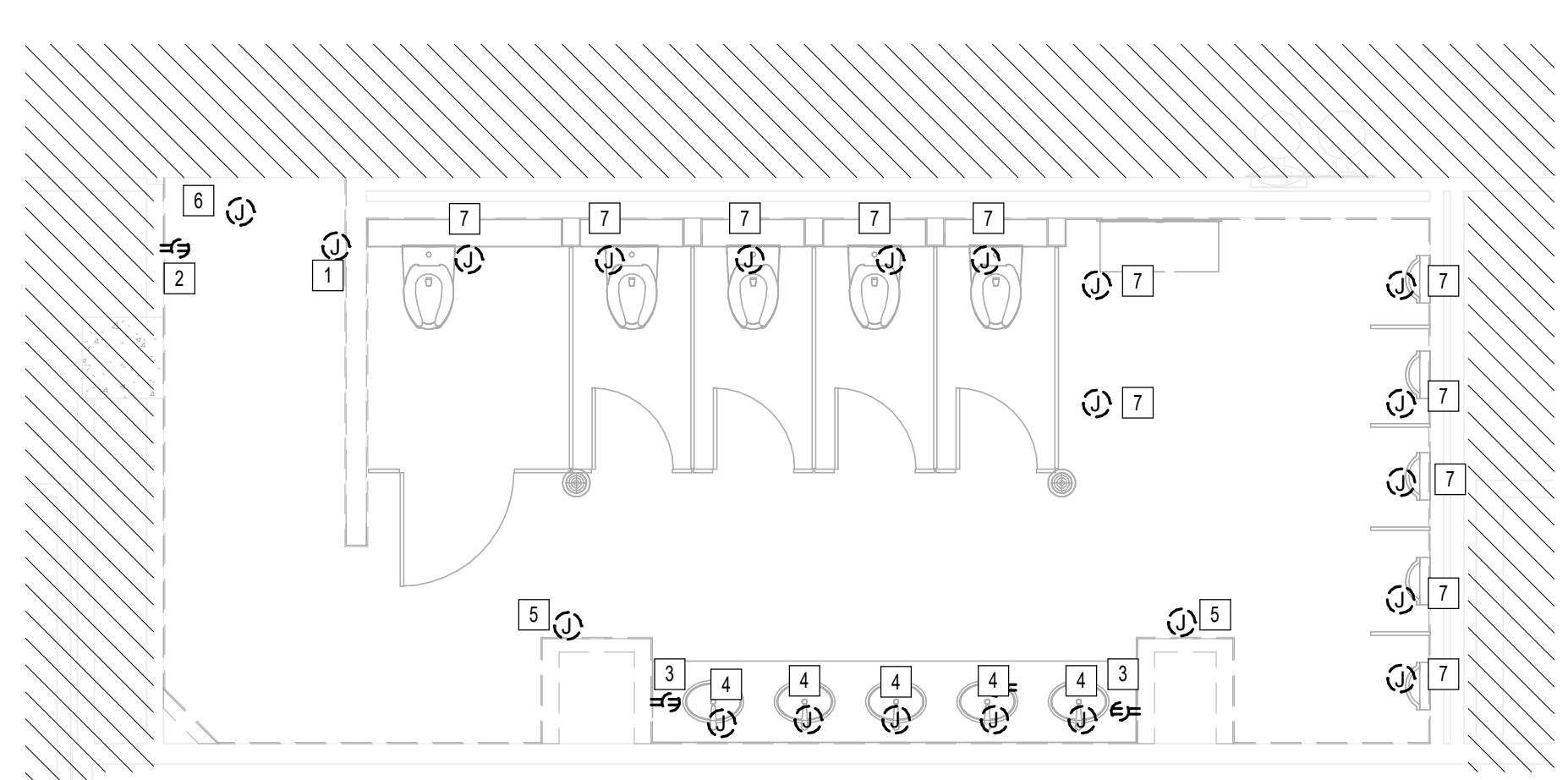
HAS FILE:



A3 ELECTRICAL POWER WOMEN'S RESTROOM GATE D07 AREA - DEMO
1/4" = 1'-0"



A2 ELECTRICAL POWER WOMEN'S RESTROOM GATE D09 AREA - DEMO
1/4" = 1'-0"



C3 ELECTRICAL POWER MEN'S RESTROOM GATE D07-D09 AREA - DEMO
1/4" = 1'-0"

PLAN KEY NOTES	
#	NOTE
1	JUNCTION BOX FOR PASSENGER COUNTER. REMOVE AND STORE. REFER TO POWER PLANS FOR NEW LOCATION.
2	REMOVE RECEPTACLE.
3	REMOVE RECEPTACLE.
4	REMOVE JUNCTION BOX FOR SOAP WATER FAUCET SENSOR.
5	REMOVE JUNCTION BOX FOR PAPER/TOWEL DISPENSER.
6	EXISTING JUNCTION BOX FOR SIGN / DAMPER TO REMAIN.
7	REMOVE JUNCTION BOX FOR TOILET SENSOR.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003
713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: _____ JE
DRAWN BY: _____ JE
CHECKED BY: _____ JE
ISSUE DATE: 03.21.24
APPROVED BY: _____ JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 56428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 56428

SHEET NAME:
ELECTRICAL POWER ENLARGED DEMO PLANS
- CD CONNECTOR

SHEET No. _____ SCALE: 1/4" = 1'-0"

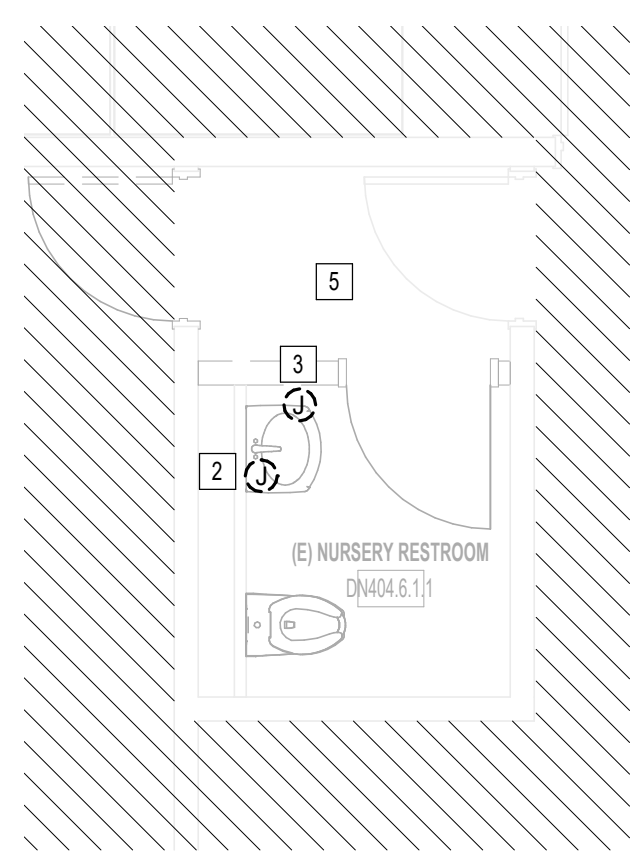
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

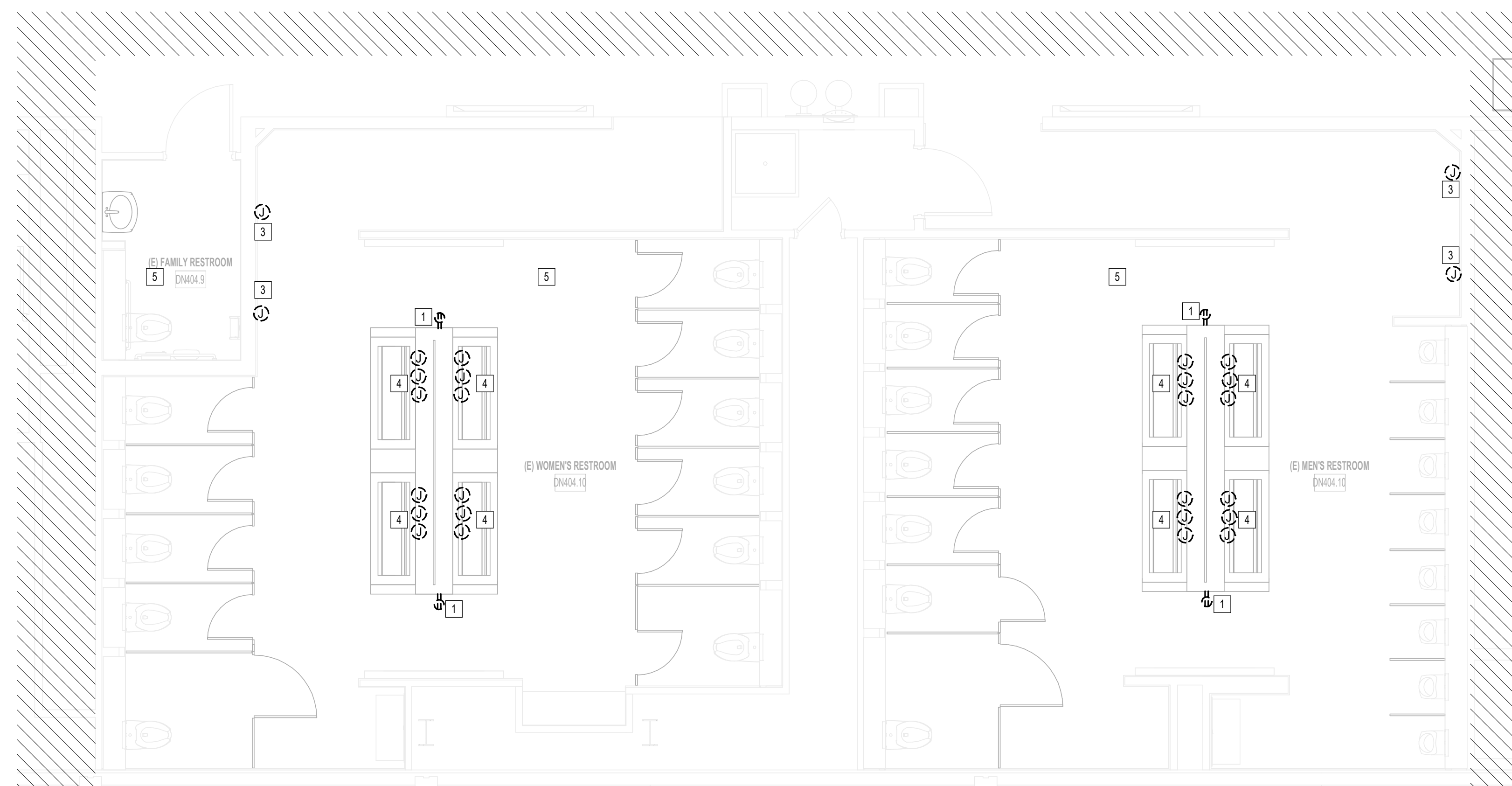
FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

HAS FILE:

A1 ELECTRICAL POWER NURSERY RR GATE D15 AREA - DEMO
1/4" = 1'-0"



B2 ELECTRICAL POWER MEN'S AND WOMEN'S RESTROOMS GATE D16 - DEMO
1/4" = 1'-0"



PLAN KEY NOTES	
#	NOTE
1	REMOVE RECEPTACLE
2	REMOVE JUNCTION BOX FOR SOAP WATER FAUCET SENSOR.
3	REMOVE JUNCTION BOX FOR PAPER/TOWEL DISPENSER.
4	REMOVE JUNCTION BOX FOR SOAP WATER FAUCET SENSOR. REMOVE WIRE AND CONDUIT BACK TO PANEL. CONDUIT TO BE REUSED.
5	ALL EXISTING ELECTRICAL DEVICES ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 58428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
ELECTRICAL POWER ENLARGED DEMO PLANS
- TERMINAL D

SHEET No. ED-102 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

**HENDERSON
ROGERS**
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

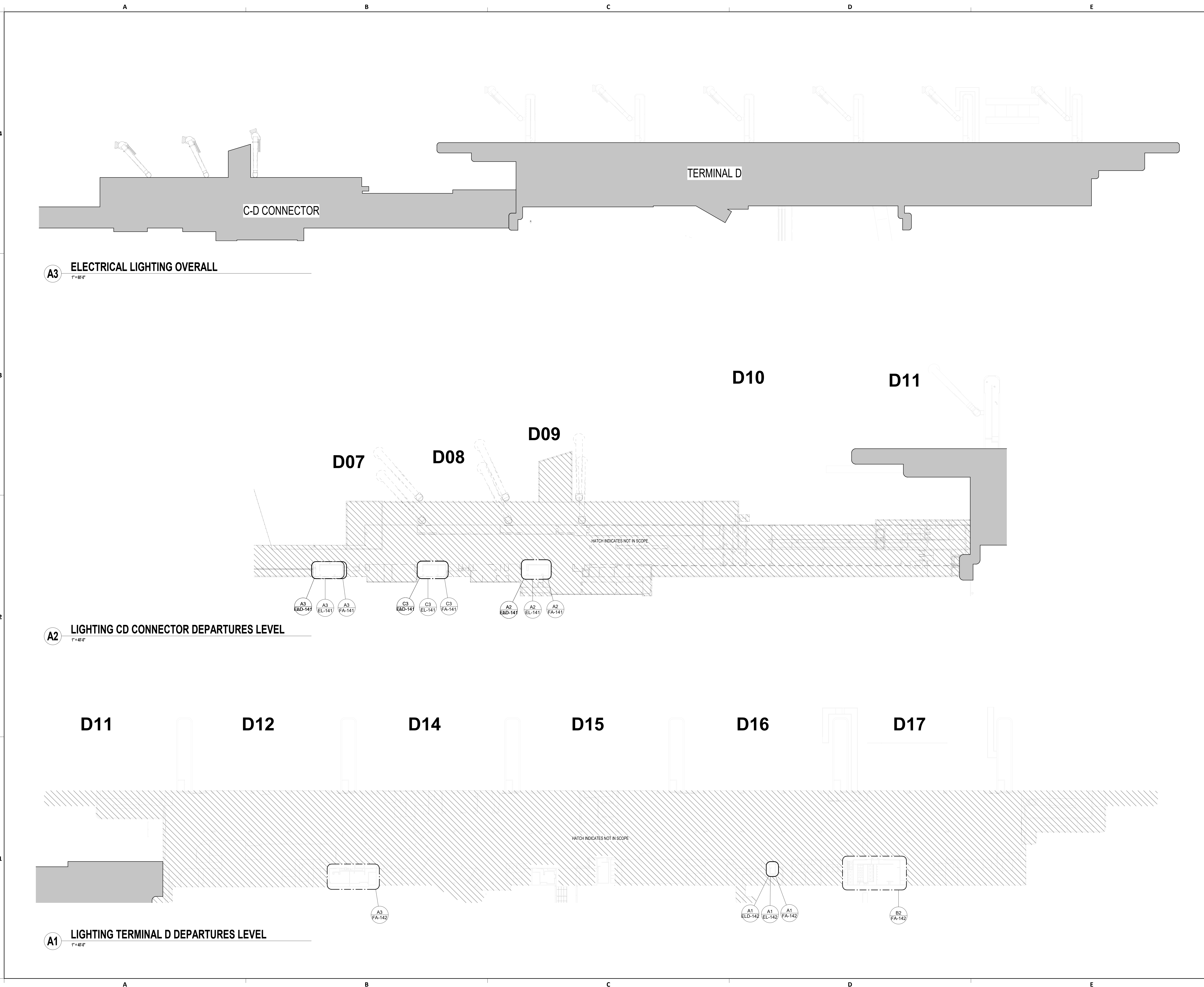
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

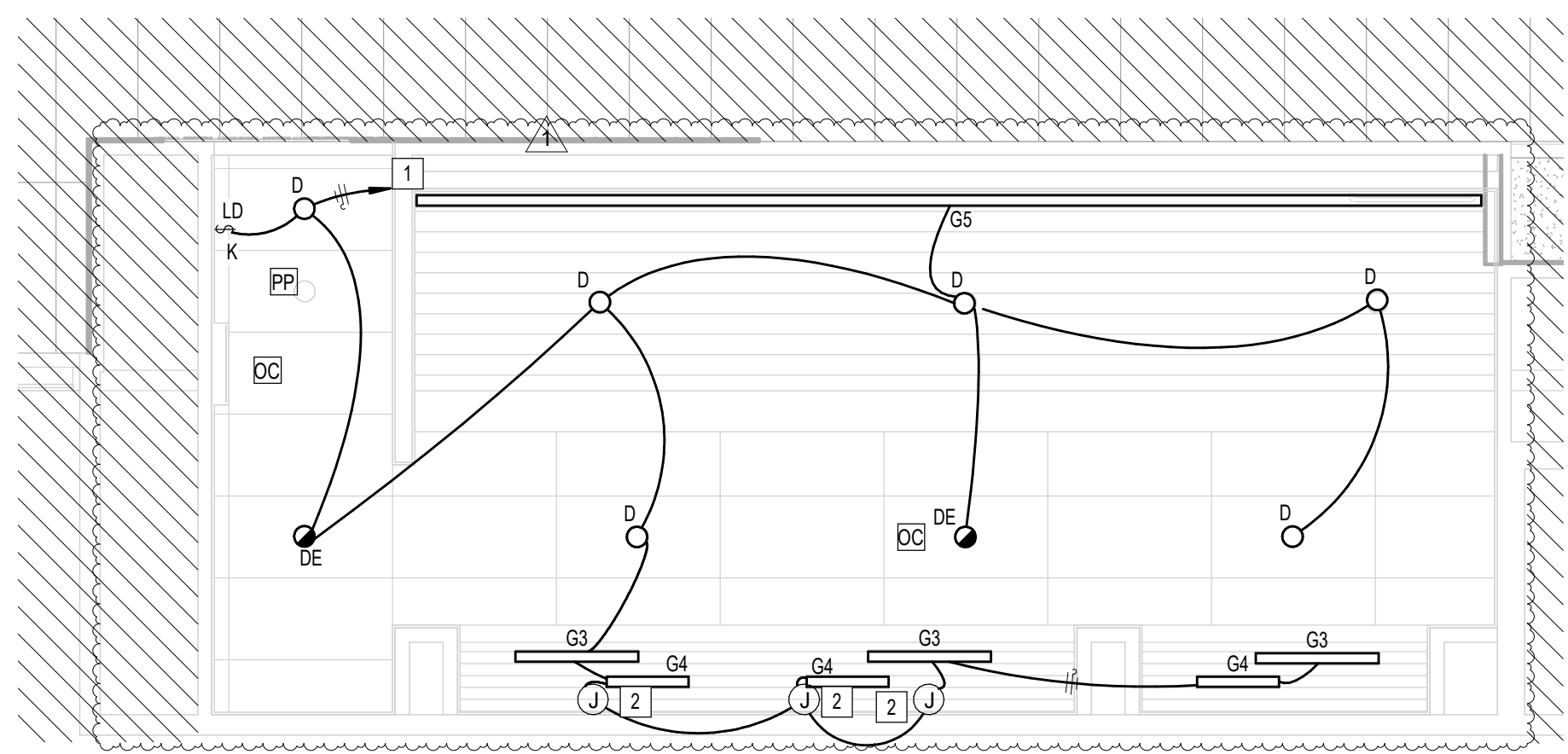
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS
AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
**ELECTRICAL LIGHTING OVERALL PLAN &
TERMINAL LEVELS**
SHEET No. EL-040 SCALE: As indicated

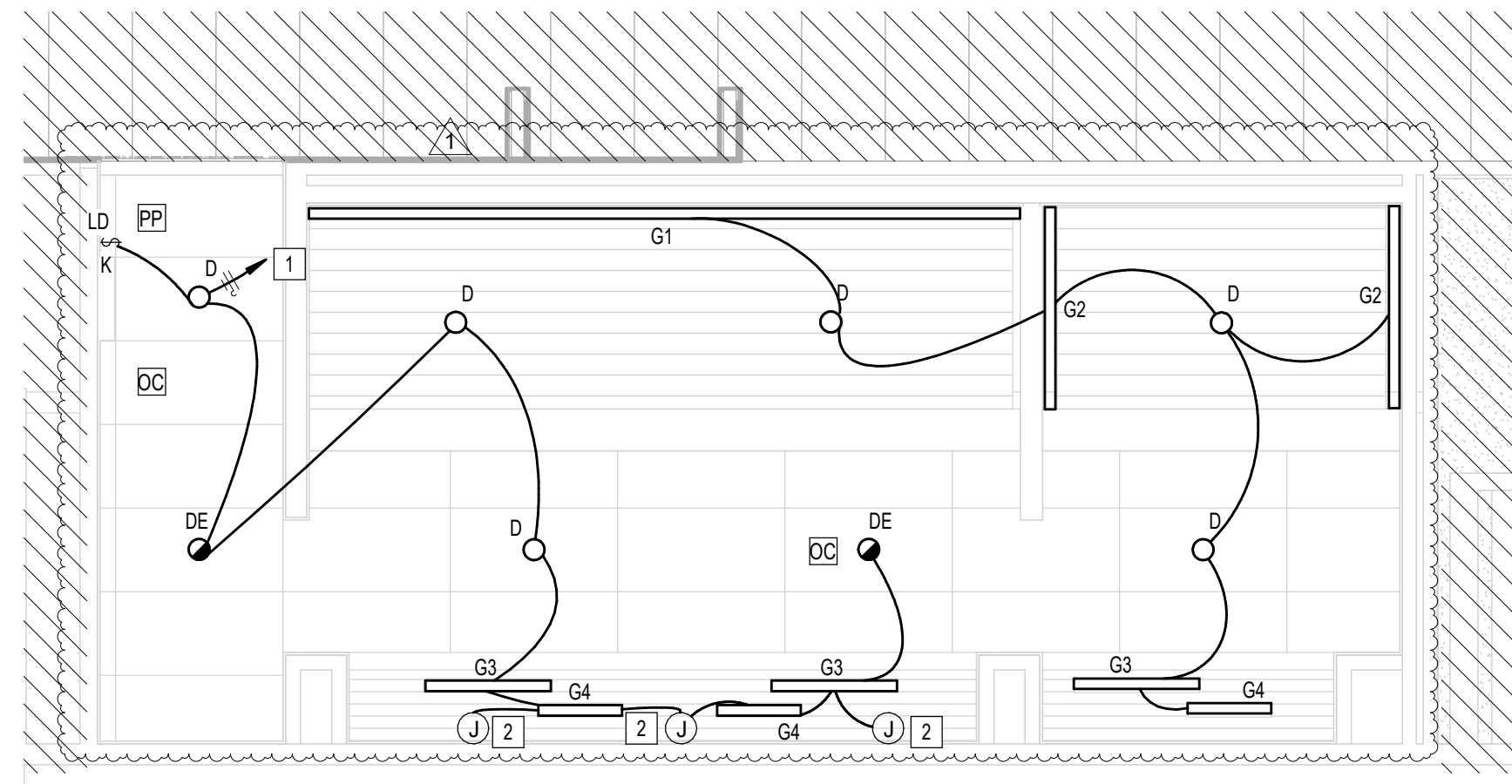
SHEET SIZE: 30"x42" ARCH E1



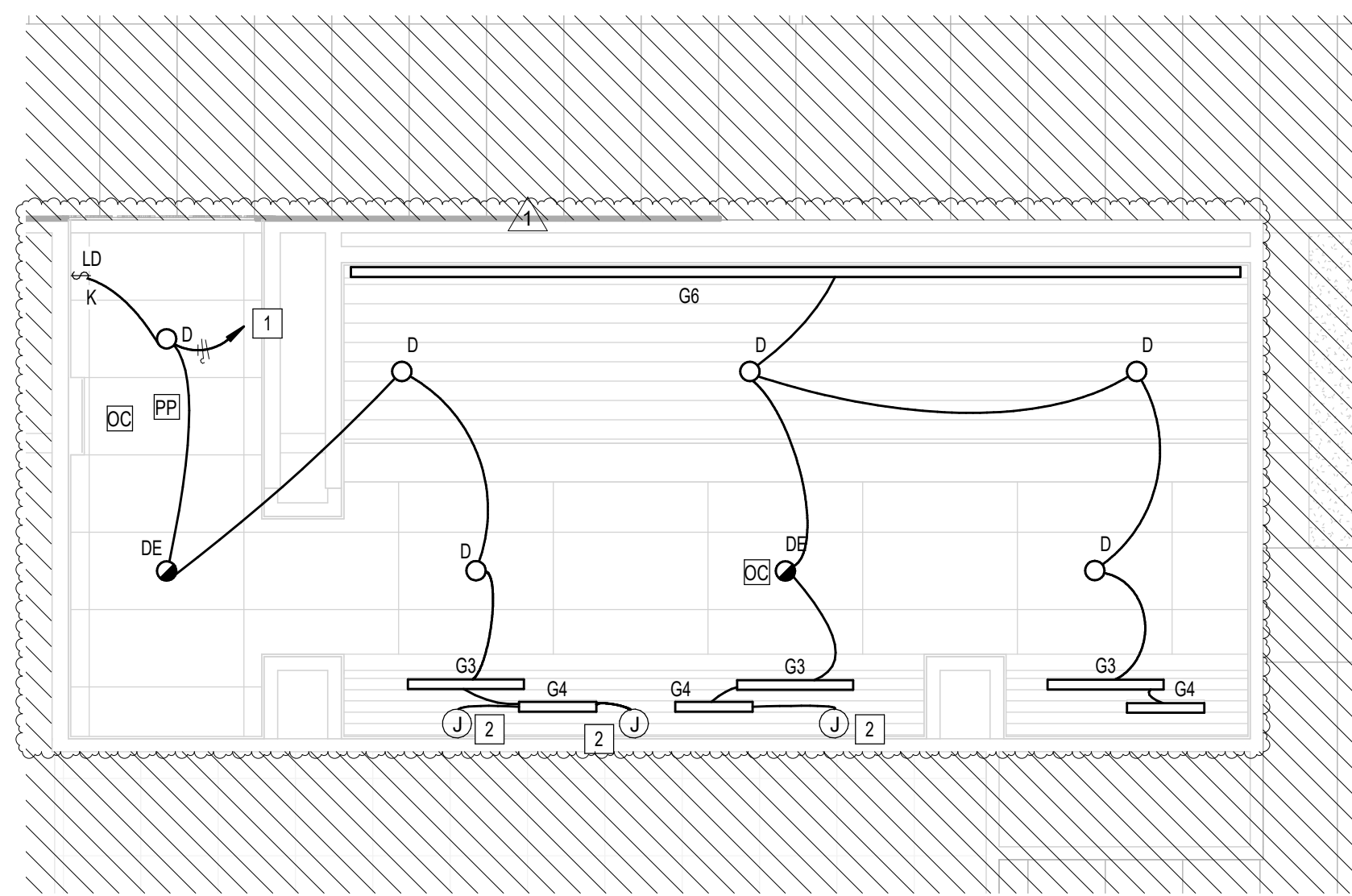
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 FILE PATH: BIM 360://1429.12 Terminal D Restrooms/4780_MEP20.rvt
 HAS FILE:



A3 ELECTRICAL LIGHTING WOMEN'S RESTROOM GATE D07 AREA
1/4" = 1'-0"



C3 ELECTRICAL LIGHTING MEN'S RESTROOM GATE D07-D09 AREA
1/4" = 1'-0"



A2 ELECTRICAL LIGHTING WOMEN'S RESTROOM GATE D09 AREA
1/4" = 1'-0"

GENERAL LIGHTING RENOVATION NOTES:
 * LIGHTING CONTROLS TO REMAIN. CONNECT NEW LIGHTS TO EXISTING CONTROLS

PLAN KEY NOTES	
#	NOTE
1	CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT FIXTURES (TYPICAL). VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. ELECTRICAL CONTRACTOR TO PROVIDE AS-BUILT INFORMATION TO CONTRACT DOCUMENTS, PANEL NAME AND CIRCUIT NUMBER.
2	JUNCTION BOX FOR MIRROR LIGHT (TYP. SW): CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED.

LIGHTING CONTROL LEGEND	
DC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%).
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LDV K	LOW VOLTAGE KEYSWITCH(S) (0-10V DIMMER).
LDV	WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%).
LDV	WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
S	LINE VOLTAGE SWITCH

HOUSTON AIRPORTS
 3701 North Terminal Road
 Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
 C.O.H. No. _____ D.O.A. No. _____
 B.S.G. No. **2024-92-IAH** H.A.S. No. _____
 TRP T.I.P. No. **24-86-IAH**

RDLR Architects
 ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003
 713.868.3121
 www.rdlr.com

JONES ENGINEERS, L.P.
 Consulting Mechanical/Electrical/Plumbing Engineers
 9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
 Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
 structural engineers
 2603 Augusta, Suite 800
 Houston, Texas 77057
 713.430.5800 713.430.5888 fax
 www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
 of
HOUSTON AIRPORT SYSTEM

IFB
 ISSUED FOR BIDDING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

JE#4780
04/30/2024

SHEET NAME:
 ELECTRICAL LIGHTING ENLARGED RR RCP
 PLANS - CD CONNECTOR
SHEET No. EL-141 **SCALE:** As indicated

SHEET SIZE: 30"x42" ARCH E1

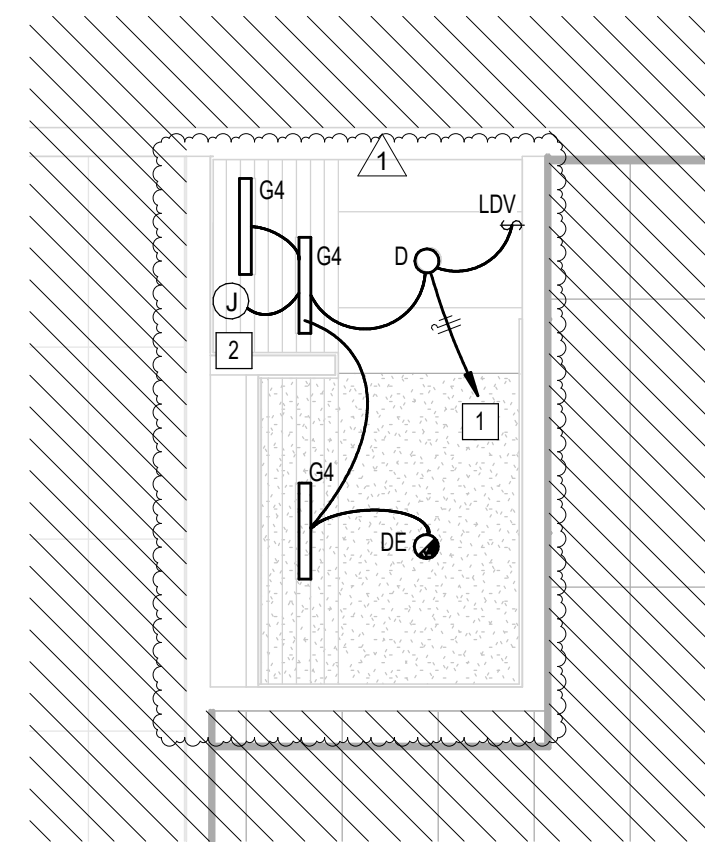
FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
 HAS FILE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/[1429.12 Terminal D Restrooms/4780_MEP20.rvt

HAS FILE:

A1 ELECTRICAL LIGHTING NURSERY RR GATE D15 AREA
1/4" = 1'-0"



GENERAL LIGHTING RENOVATION NOTES:
LIGHTING CONTROLS TO REMAIN. CONNECT NEW LIGHTS TO EXISTING CONTROLS

PLAN KEY NOTES	
#	NOTE
1	CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT-FIXTURES (TYPICAL). VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED; ELECTRICAL CONTRACTOR TO PROVIDE AS-BUILT INFORMATION TO CONTRACT DOCUMENTS, PANEL NAME AND CIRCUIT NUMBER.
2	JUNCTION BOX FOR MIRROR LIGHT (27W, 34W), CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED.

LIGHTING CONTROL LEGEND	
OC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%).
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD K	LOW VOLTAGE KEYPAD SWITCH(S) (0-10V DIMMER).
LDV	WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%).
LDO	WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
S	LINE VOLTAGE SWITCH

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
8820 Whitlorn Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

JE#4780
04/30/2024

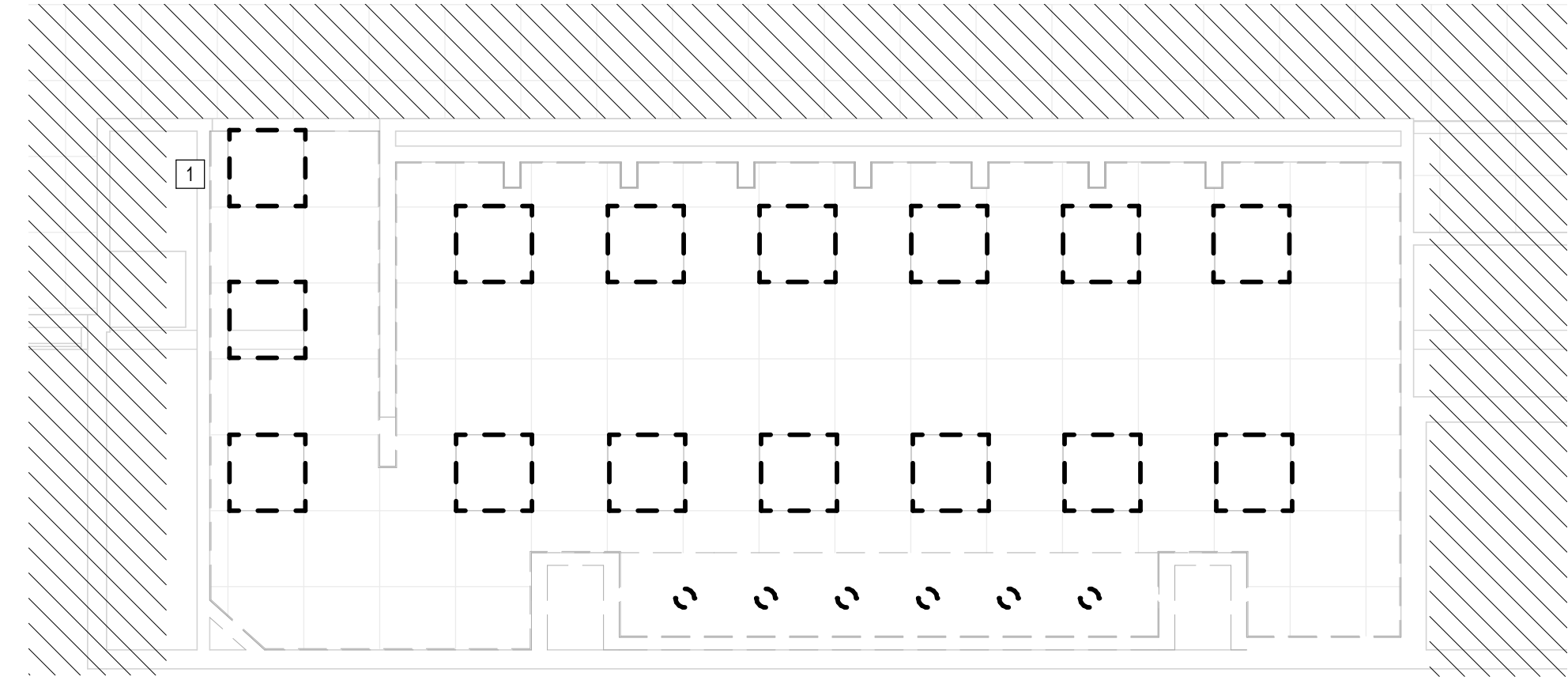
SHEET NAME:
ELECTRICAL LIGHTING ENLARGED RR RCP
PLANS - TERMINAL D

SHEET No. EL-142 SCALE: As indicated

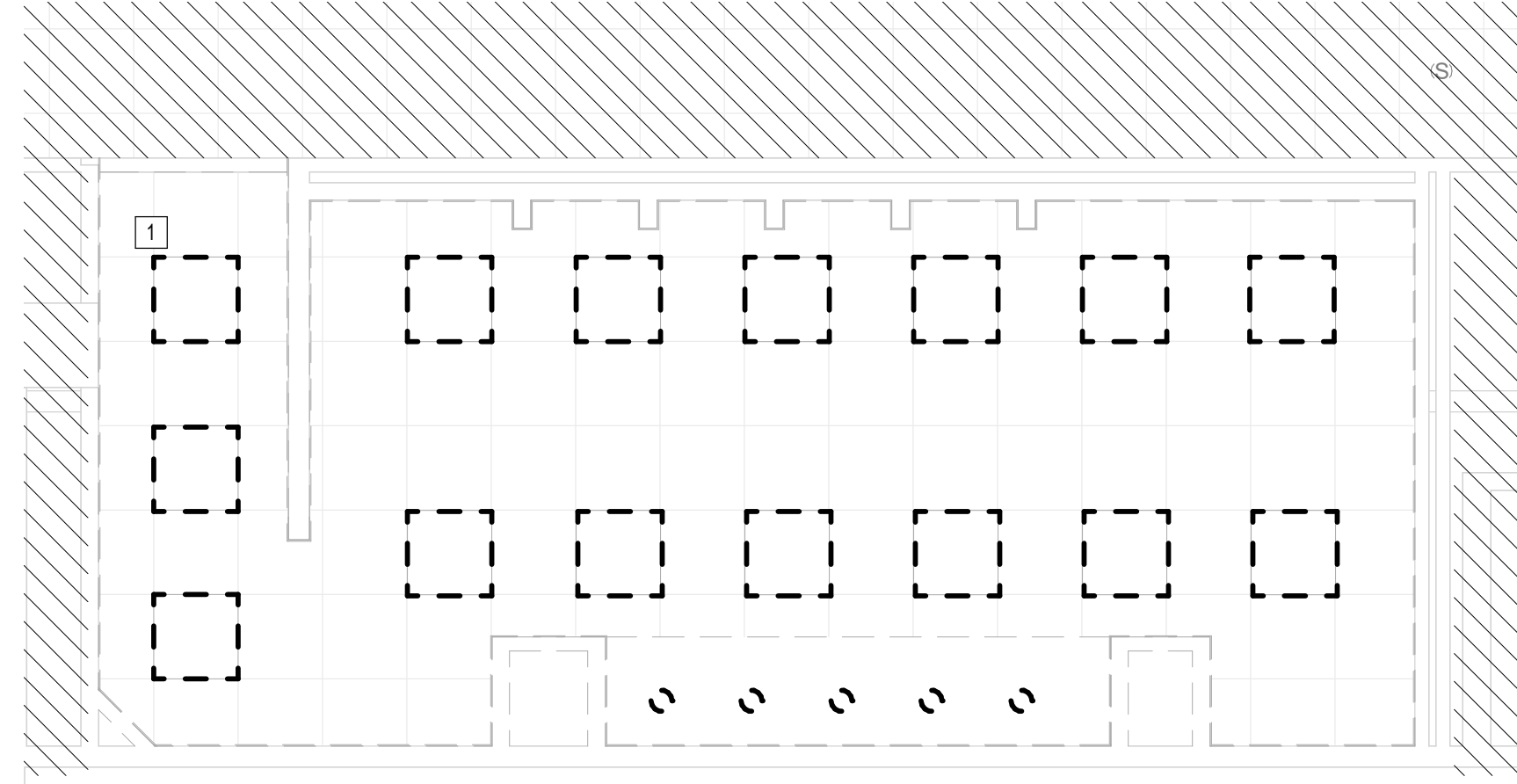
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

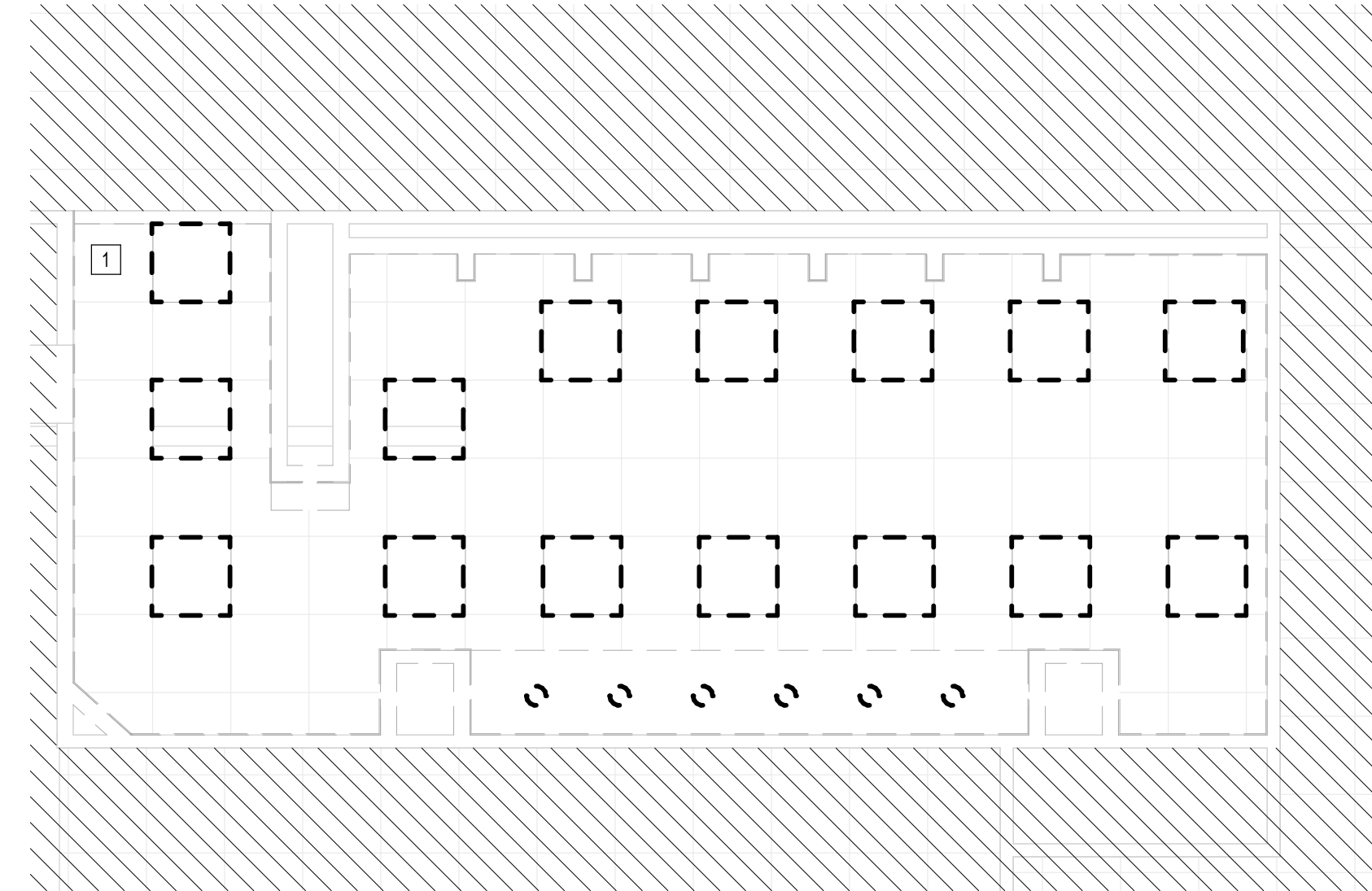
FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
HAS FILE:



A3 ELECTRICAL LIGHTING WOMEN'S RESTROOM GATE D07 AREA - DEMO
1/8" = 1'-0"



C3 ELECTRICAL LIGHTING MEN'S RESTROOM GATE D07-D09 AREA - DEMO
1/8" = 1'-0"



A2 ELECTRICAL LIGHTING WOMEN'S RESTROOM GATE D09 AREA - DEMO
1/8" = 1'-0"

GENERAL LIGHTING DEMOLITION NOTES:

- LIGHTING CONTROLS TO REMAIN. CONNECT NEW LIGHTS TO EXISTING CONTROLS.
- ALL LIGHTING TO BE REMOVED. REMOVE LIGHT FIXTURES, CONDUIT AND WIRE BACK TO NEAREST JUNCTION BOX. EXISTING BRANCH CIRCUIT ARE TO REMAIN AND BE REUSED FOR NEW LIGHTING. REFER TO LIGHTING PLANS FOR NEW LAYOUT.

PLAN KEY NOTES	
#	NOTE
1	LIGHT FIXTURE (TYPICAL) REMOVE

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 56428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 56428

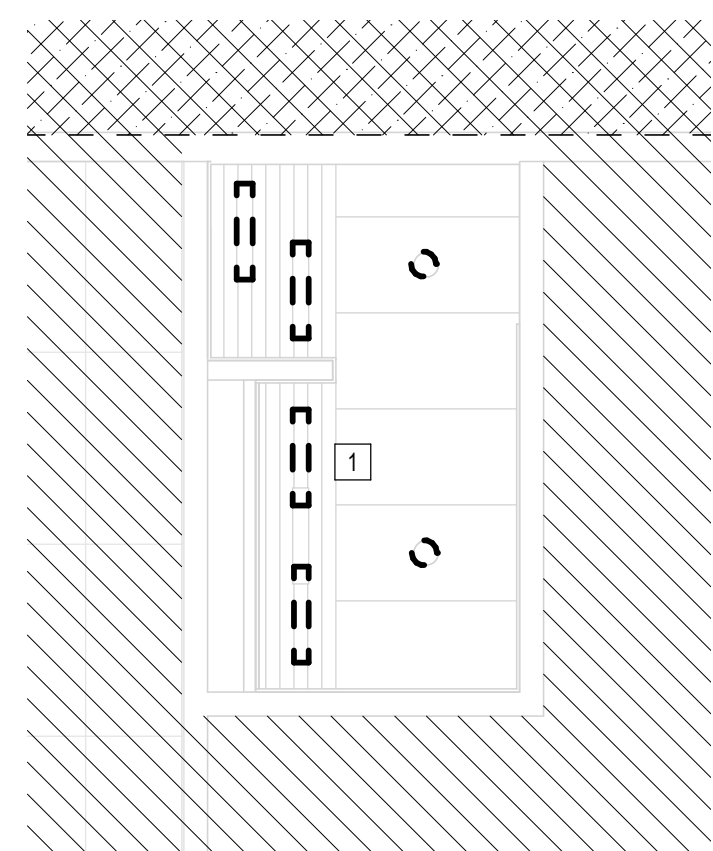
SHEET NAME:
ELECTRICAL LIGHTING ENLARGED DEMO RCP PLANS - CD CONNECTOR

SHEET No. **ELD-141** SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
HAS FILE:



A1 ELECTRICAL LIGHTING NURSERY RR GATE D15 AREA - DEMO
1/4" = 1'-0"

GENERAL LIGHTING RENOVATION NOTES:
LIGHTING CONTROLS TO REMAIN. CONNECT NEW LIGHTS TO EXISTING CONTROLS

PLAN KEY NOTES	
#	NOTE
1	REMOVE LIGHT FIXTURE (TYPICAL)

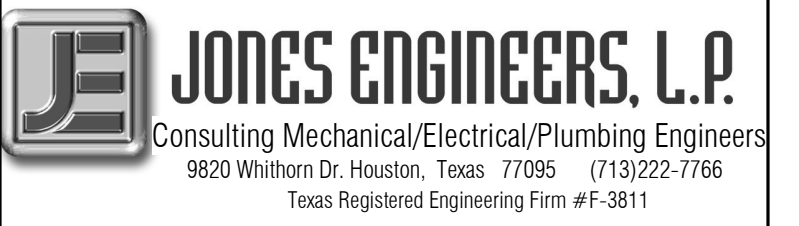


3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
TRP T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com



HENDERSON ROGERS
structural engineers

2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

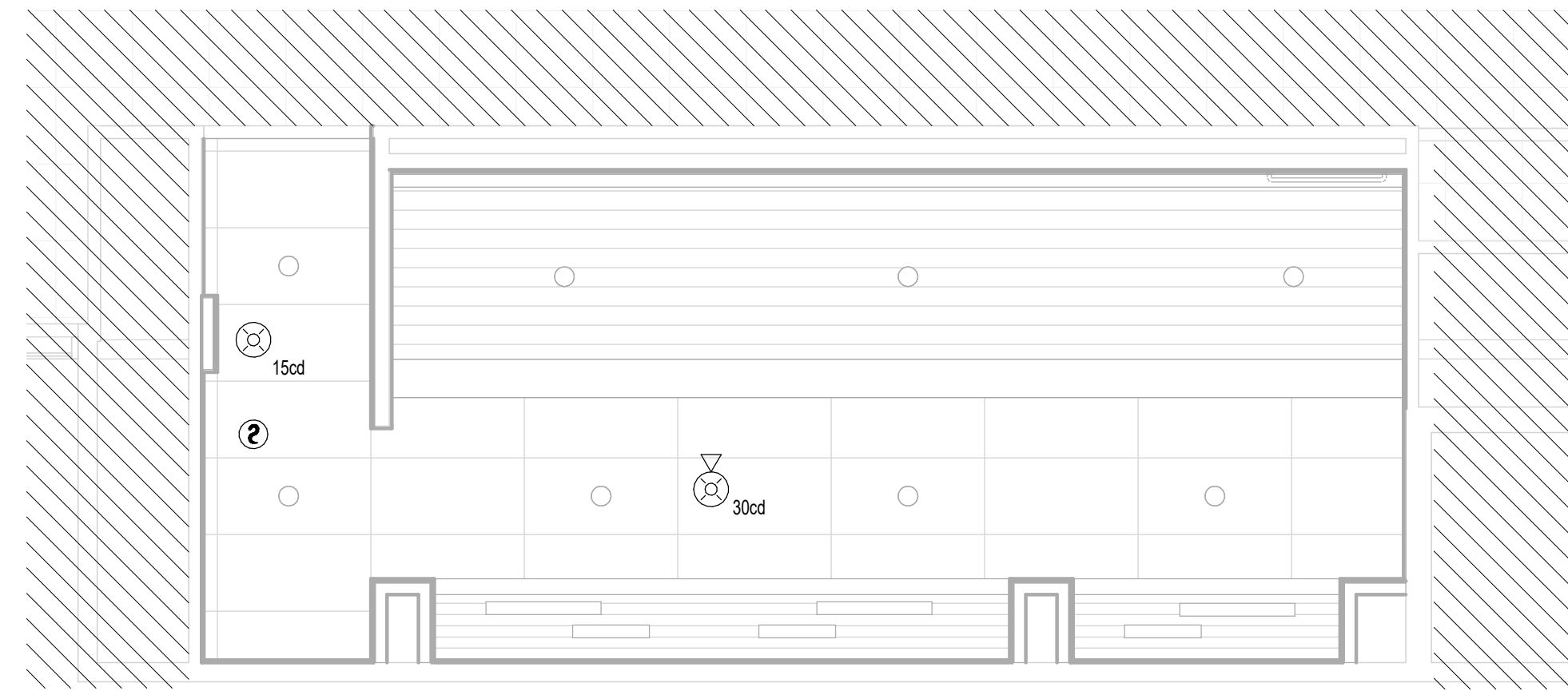
<p>Review/Approval Category</p> <p>IFB</p> <p>ISSUED FOR BIDDING</p>	<p>JE#4780 04/30/2024</p>
---	-------------------------------

SHEET NAME:
ELECTRICAL LIGHTING ENLARGED DEMO RCP
PLANS - TERMINAL D
SHEET No. ELD-142 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

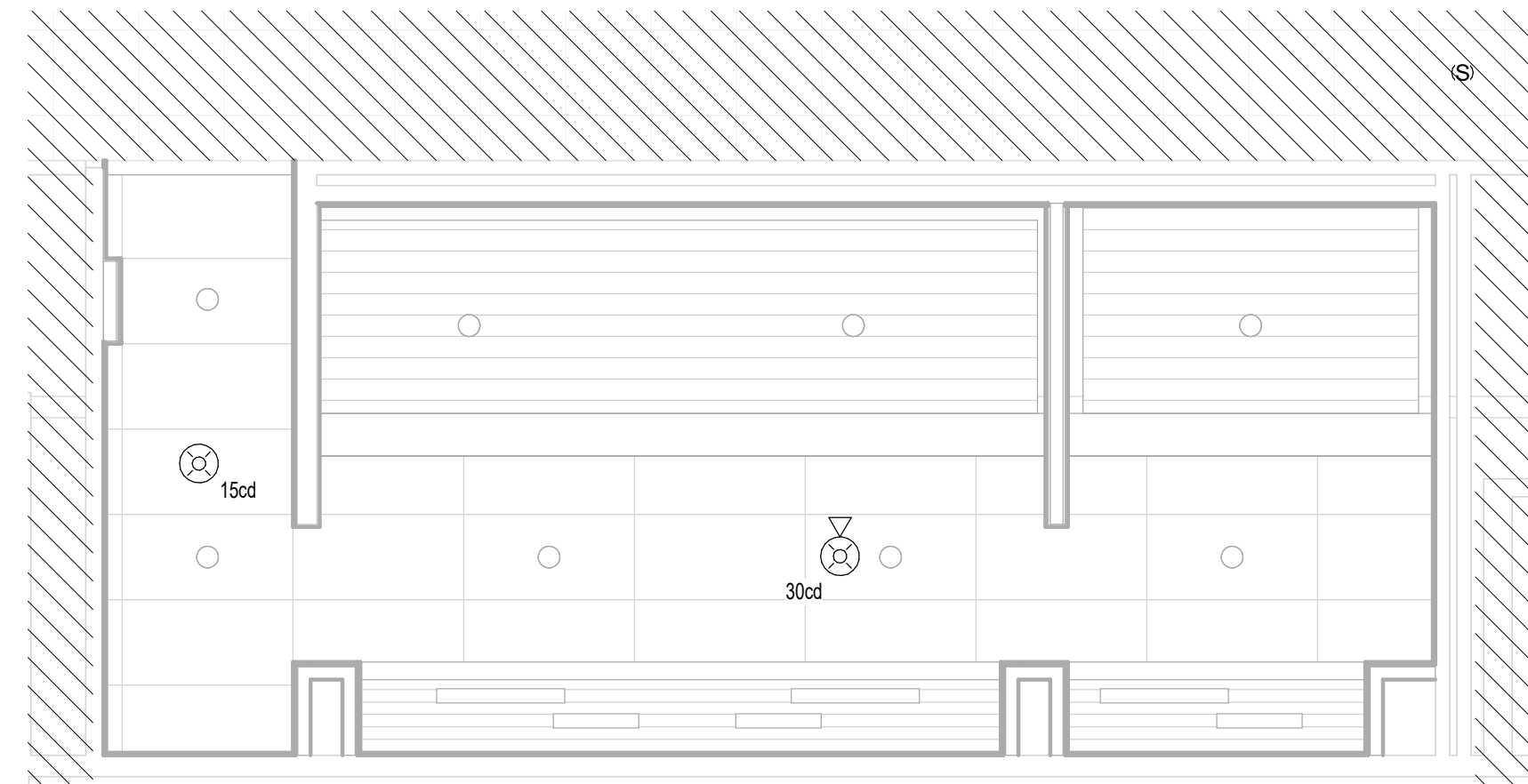
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

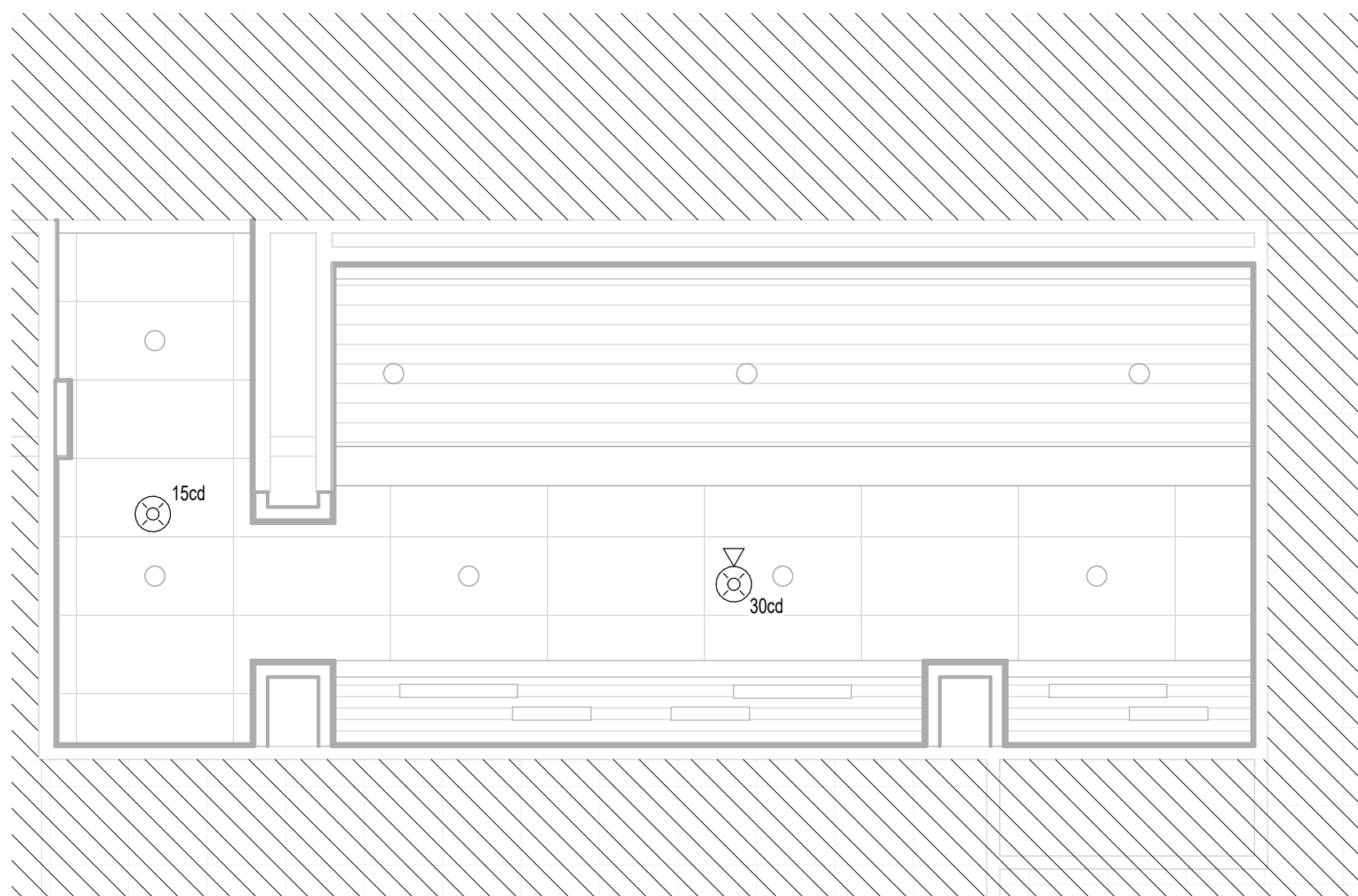
HAS FILE:



A3 FIRE ALARM WOMEN'S RESTROOM GATE D07 AREA
1/4" = 1'-0"



C3 FIRE ALARM MEN'S RESTROOM GATE D07-D09 AREA
1/4" = 1'-0"



A2 FIRE ALARM WOMEN'S RESTROOM GATE D09 AREA
1/4" = 1'-0"

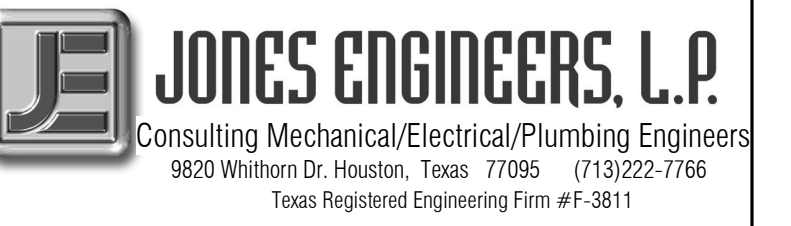


3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

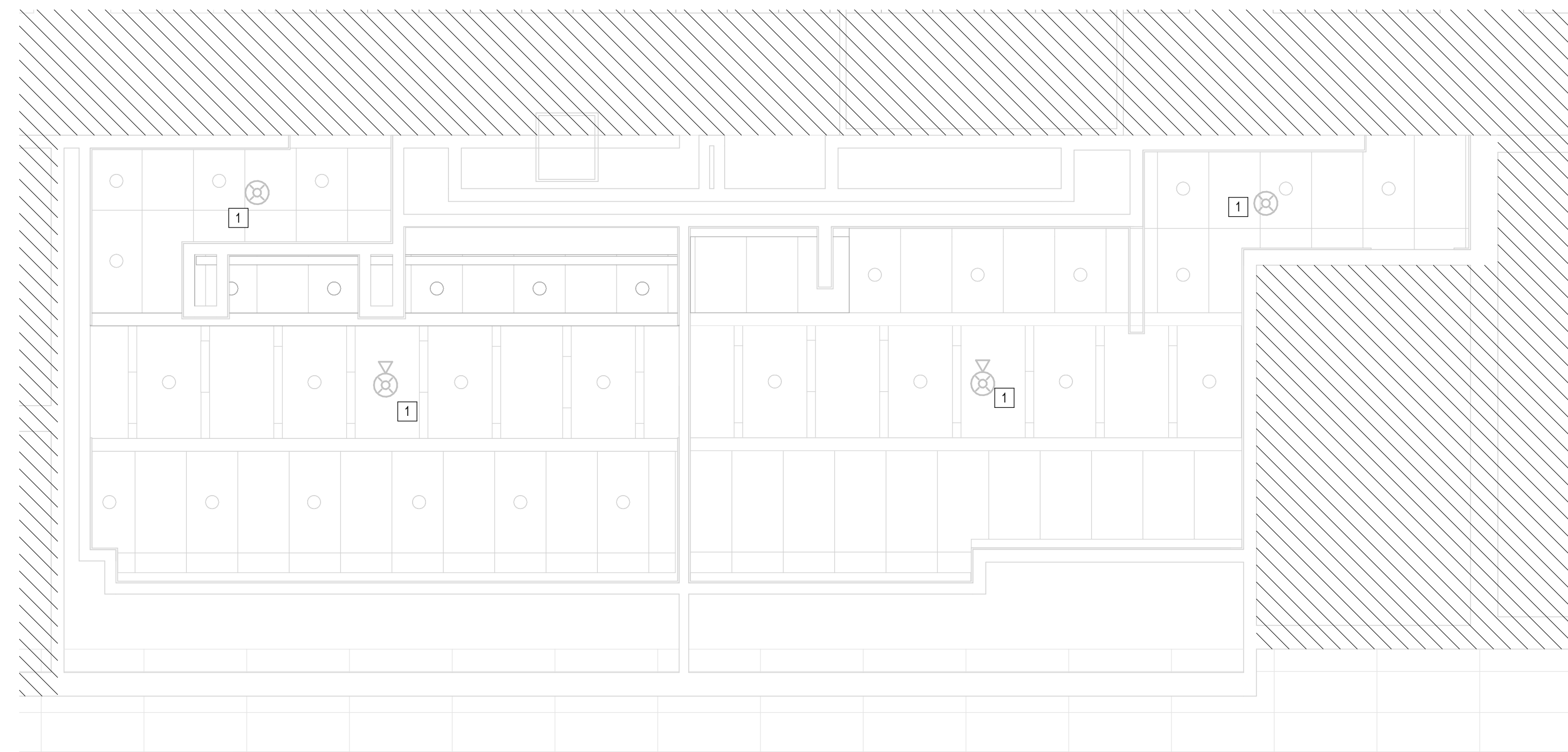
IFB
ISSUED FOR BIDDING

SHEET NAME:
FIRE ALARM ENLARGED RCP PLANS - CD
CONNECTOR
SHEET No. FA-141 SCALE: 1/4" = 1'-0"
SHEET SIZE: 30"x42" ARCH E1

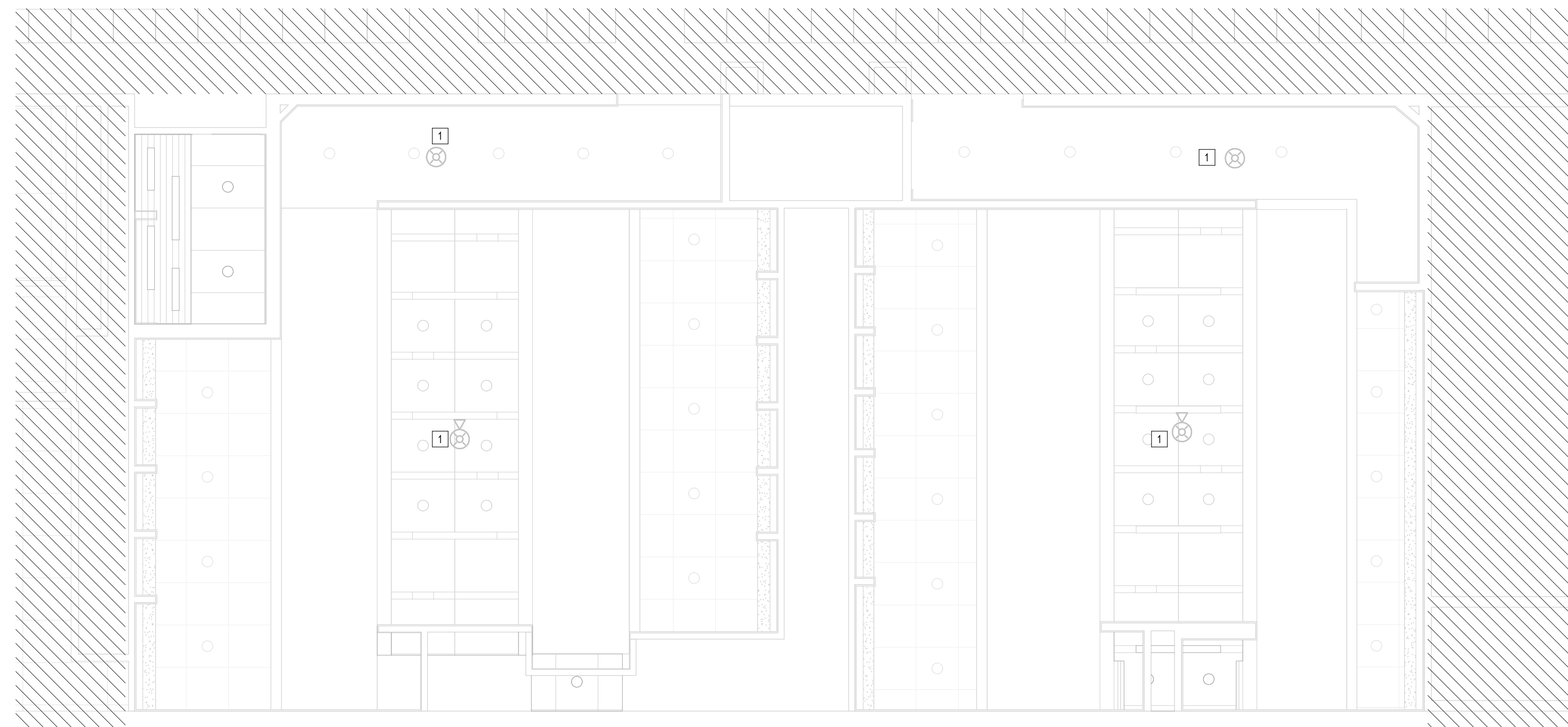
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/[1429.12 Terminal D Restrooms/4780_MEP20.rvt

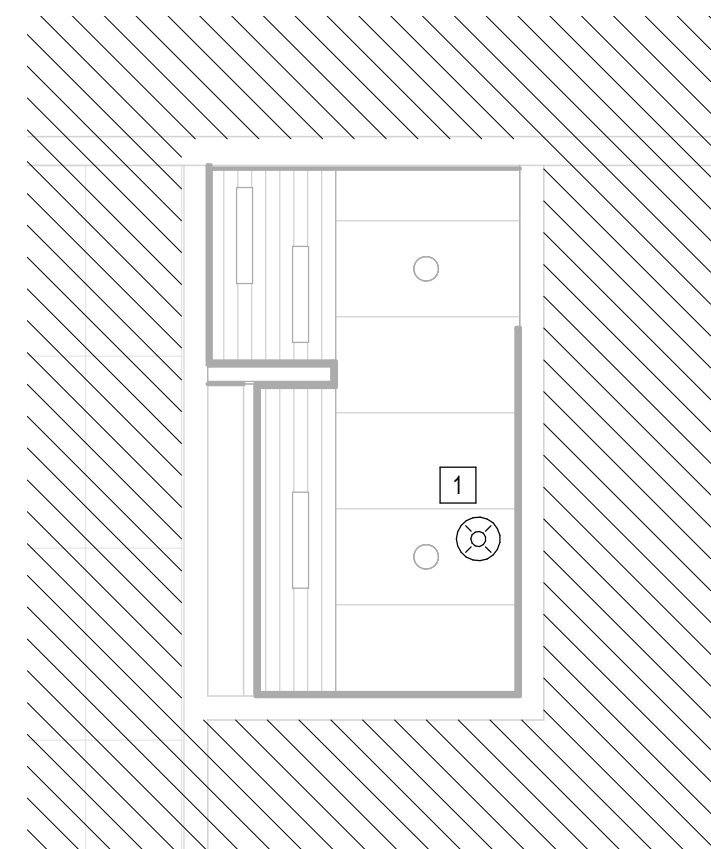
HAS FILE:



A3 FIRE ALARM MEN'S AND WOMEN'S RR GATE D12
1/4" = 1'-0"



B2 FIRE ALARM D16 AREA RESTROOMS
1/4" = 1'-0"



A1 FIRE ALARM NURSERY RR GATE D15 AREA
1/4" = 1'-0"

PLAN KEY NOTES	
#	NOTE
1	EXISTING FIRE ALARM DEVICE TO REMAIN

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003
713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 56428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 56428

SHEET NAME:
FIRE ALARM ENLARGED RR RCP PLANS-
TERMINAL D
SHEET No. FA-142 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

HAS FILE:

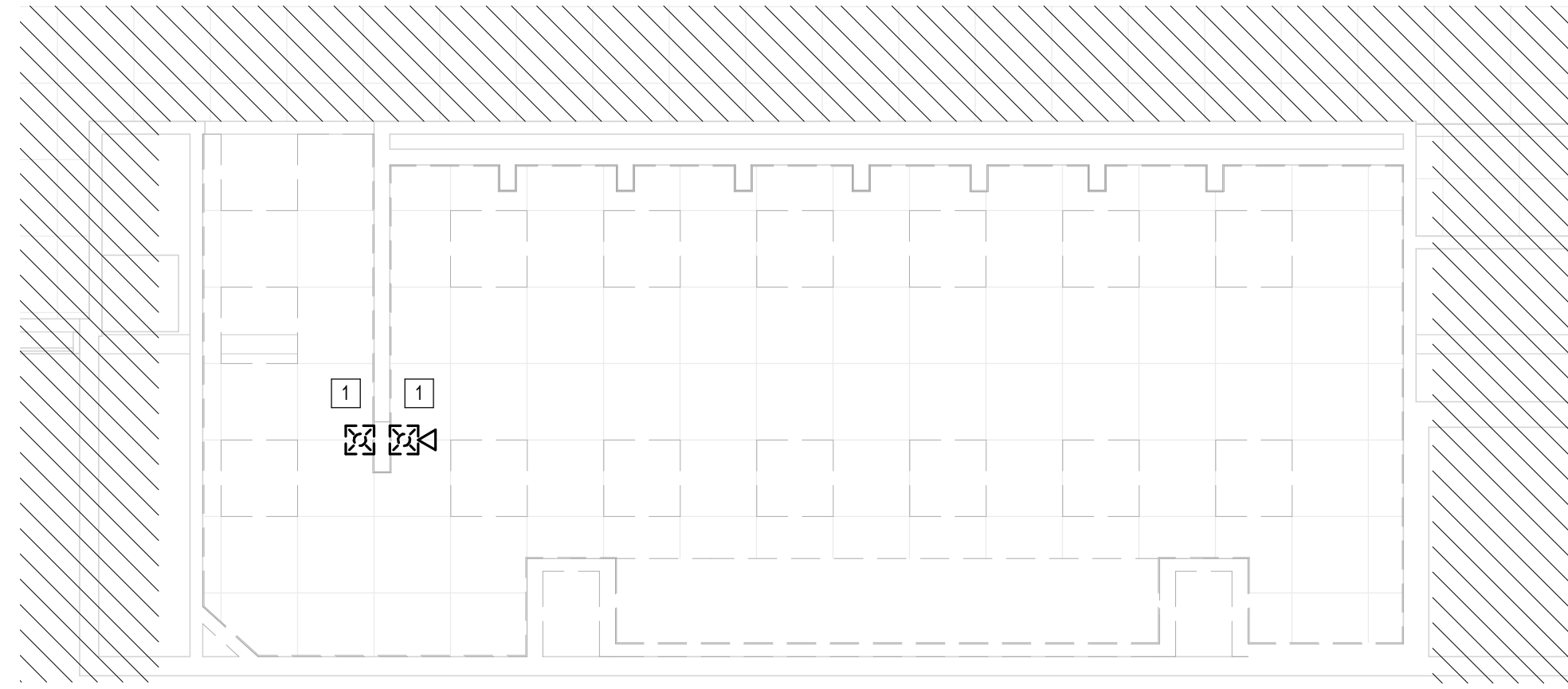
A

B

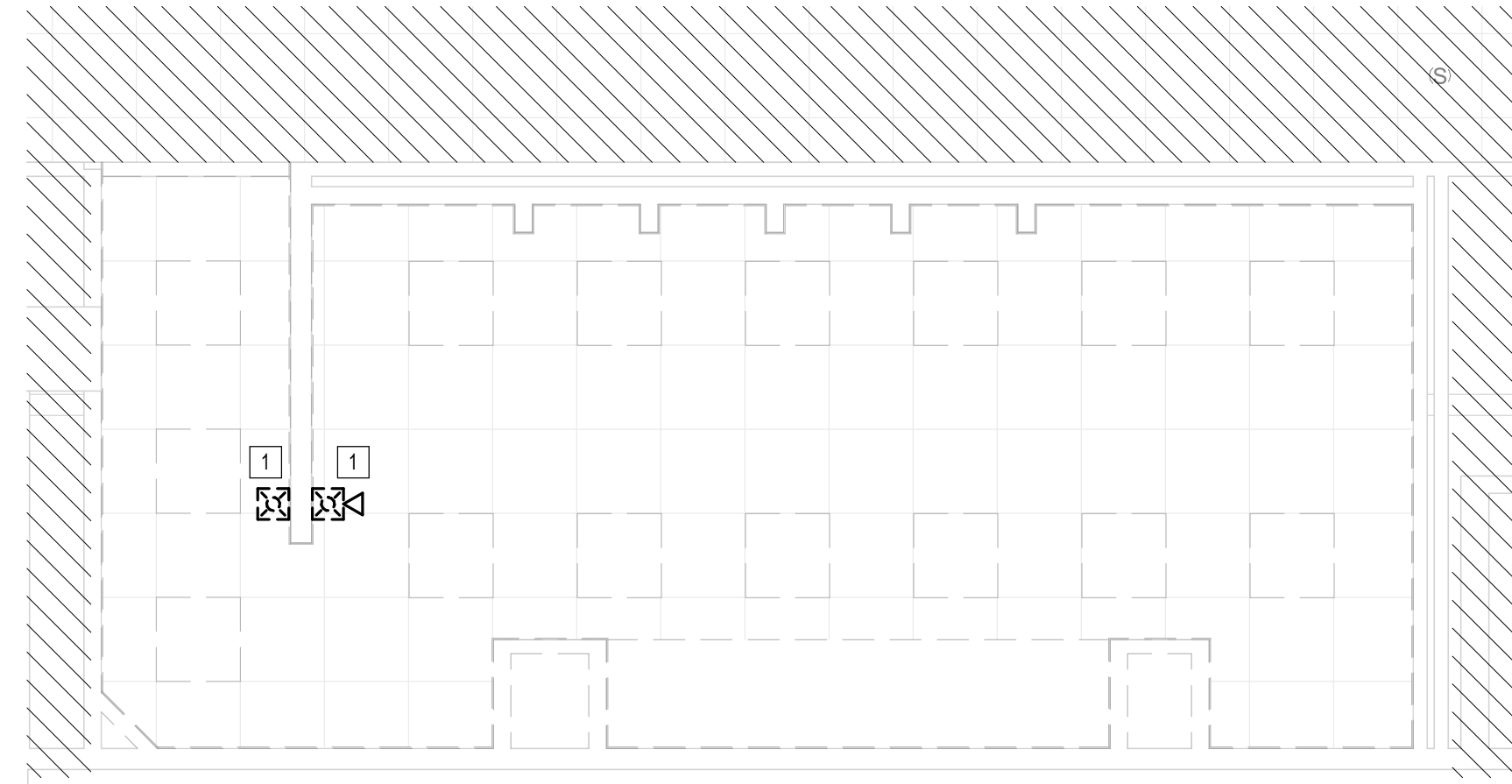
C

D

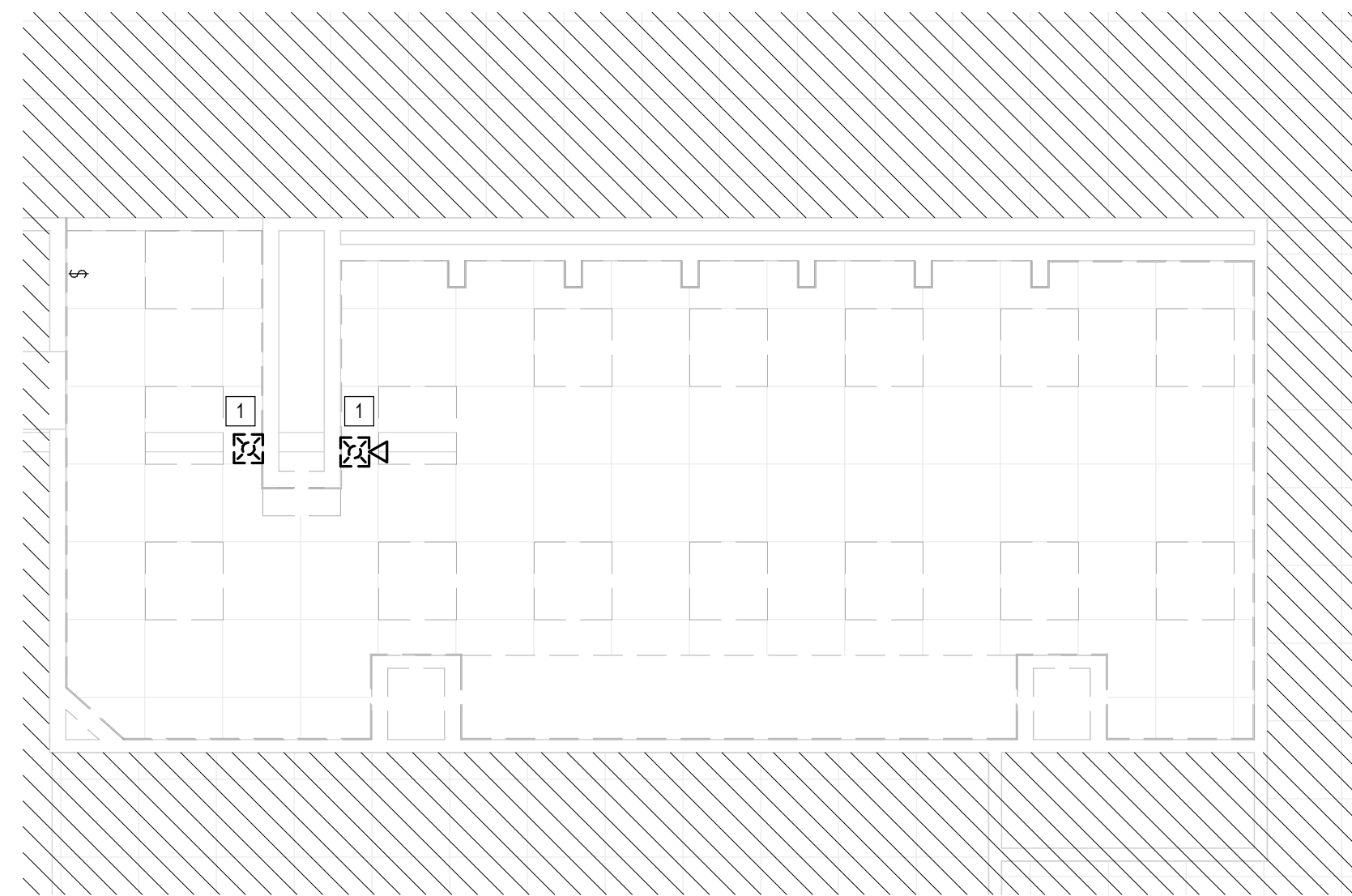
E



A3 FIRE ALARM WOMEN'S RESTROOM GATE D07 AREA - DEMO
1/4" = 1'-0"



C3 FIRE ALARM MEN'S RESTROOM GATE D07-D09 AREA - DEMO
1/4" = 1'-0"



A2 FIRE ALARM WOMEN'S RESTROOM GATE D09 AREA - DEMO
1/4" = 1'-0"

PLAN KEY NOTES	
#	NOTE
1	REMOVE FIRE ALARM DEVICE



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
TRP T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003
713.868.3121
www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

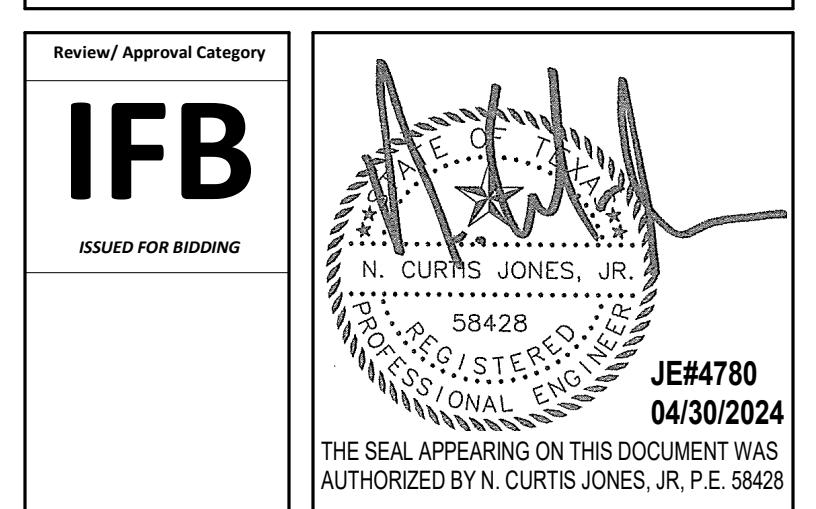
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS		
No.	DESCRIPTION	DATE BY
1	IFP - cycle 1 / Addendum 1	04.30.24 JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

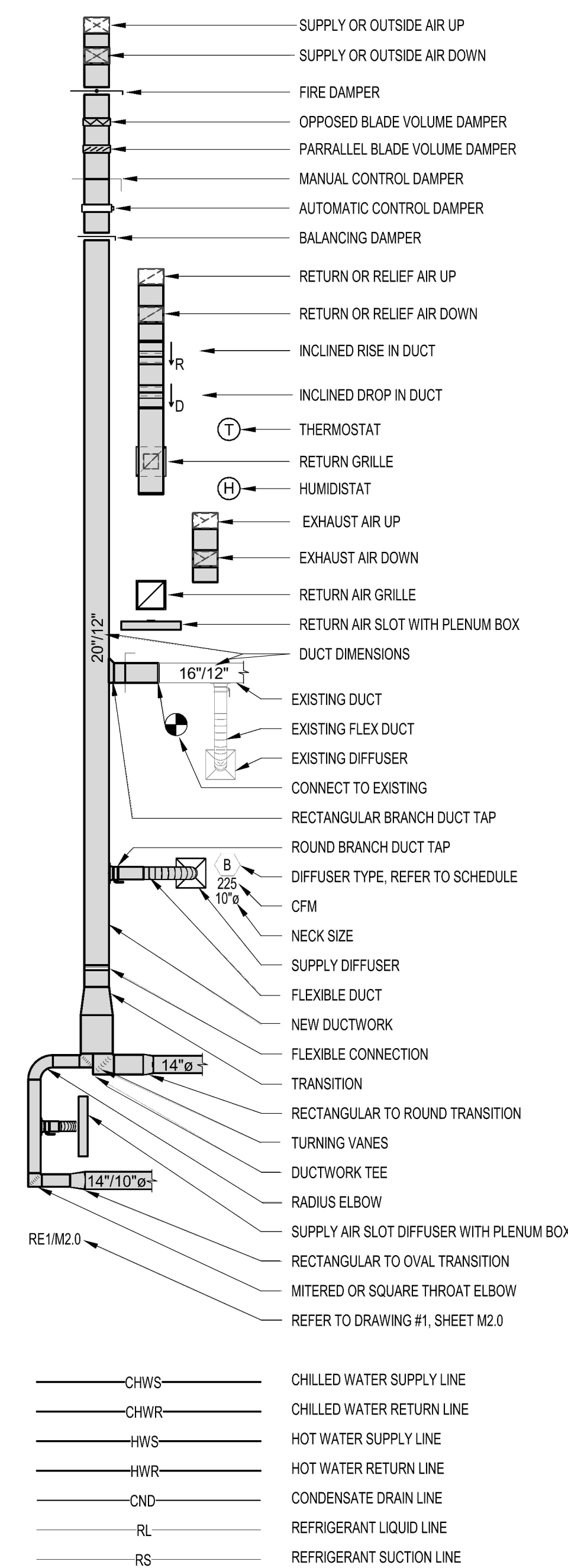


SHEET NAME:
FIRE ALARM ENLARGED DEMO PLANS - CD
CONNECTOR
SHEET No. **FAD-141** SCALE: **1/4" = 1'-0"**
SHEET SIZE: 30"x42" ARCH E1

MECHANICAL GENERAL NOTES

1. PIPING AND DUCTWORK ON DRAWINGS ARE SCHEMATIC ONLY. COORDINATE WITH OTHER TRADES FOR PIPING AND DUCTWORK ROUTING, OFFSET AND RUN PIPING/DUCTWORK INSIDE THE STRUCTURE IF REQUIRED. PROVIDE ALL NECESSARY PIPING, DUCTWORK, FITTINGS, INSULATION, AND OTHER ACCESSORIES.
2. EXACT LOCATIONS OF TERMINAL BOXES, GRILLES, DAMPERS SHALL BE FIELD COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS AND ALLOW ADEQUATE CLEARANCE AND EASY ACCESS.
3. COORDINATE LOCATIONS OF FLOOR AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.
4. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL OUTSIDE AIR INTAKES TO MAINTAIN 10 FEET DISTANCE BETWEEN OUTSIDE AIR INTAKES AND ANY EXHAUST AIR OUTLET, FLUES OR PLUMBING VENTS.
6. PROVIDE A CONICAL SPIN-IN SHEETMETAL INLET DUCT TO TERMINAL BOX SHALL BE SAME SIZE AS TERMINAL BOX INLET SIZE. PROVIDE RIGID ROUND DUCT THAT IS ONE SIZE LARGER THAN THE INLET BOX SIZE IF THE DISTANCE BETWEEN THE MAIN DUCT AND THE TERMINAL BOX INLET IS MORE THAN 6'-0".
7. CONTRACTOR SHALL PROVIDE ADEQUATE CLEARANCE AROUND VAV BOXES AS REQUIRED BY MANUFACTURER. COORDINATE EXACT LOCATION WITH OTHER TRADES.
8. ROUTE HYDRONIC PIPING FROM MAINS TO VAV BOXES. REFER TO SCHEDULES FOR PIPE SIZING. WITH AN ISOLATION VALVE ON THE SUPPLY AND RETURN LINES AND A VENT AT THE HIGH POINT. OFFSET PIPING AND RUN INSIDE STRUCTURE AS NEEDED TO PROVIDE PROPER CLEARANCES. TYPICAL.
9. ALL SUPPLY AIR DUCT UPSTREAM OF TERMINAL BOXES (PER DIRECTION OF AIRFLOW) SHALL BE SIZED AND CLASSIFIED TO BE MEDIUM PRESSURE DUCTWORK. THIS DUCT SHALL BE CONSTRUCTED TO MEET THE LATEST SMACNA STANDARDS FOR MEDIUM PRESSURE DUCTWORK.
10. INSTALL TERMINAL BOXES TO ENSURE ACCESS PANELS ARE NOT BLOCKED. MAINTAIN MINIMUM 4'-0" FOR CONTROL PANEL ACCESS.
11. NO PIPE HANGERS SHALL BE SPACED MORE THAN 10'-0". COMPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPE SUPPORT SPECIFICATION.
12. CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL, AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION.
13. EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER DRAWINGS AND OUTSHEETS BEFORE FABRICATION OF DUCTWORK, PIPING, OR POURING OF CONCRETE HOUSEKEEPING PADS.
14. CONTRACTOR SHALL VERIFY DUCTED RETURN AIR PATH BACK TO ALL UNITS. REFER TO FLOOR PLANS AND AIR DEVICE TAGS FOR EXACT SIZING. WHERE RETURN AIR PATH IS ROUTED THROUGH A FIRE RATED WALL, A FIRE DAMPER SHALL BE PROVIDED IN THE DUCTWORK.
15. COORDINATE EXACT LOCATION, FINISH, AND COLOR OF ALL AIR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
16. ALL EXPOSED DUCTWORK SHALL BE DOUBLE WALL INSULATED.
17. PROVIDE ACCESS PANEL FOR ALL HVAC EQUIPMENT LOCATED ABOVE HARD CEILING. SIZE PANEL PER MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AND COORDINATE WITH ARCHITECT FOR FINISH.
18. PROVIDE TEMPERATURE SENSORS, HUMIDISTATS AND CO2 SENSORS AT LOCATIONS INDICATED ON PLANS. MOUNT TEMPERATURE SENSORS, HUMIDISTATS AND CO2 SENSORS AT THE SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
19. PROVIDE SPIN-IN CONNECTION WITH LOCKING QUADRANT BUTTERFLY FOR ALL ROUND DUCTWORK CONNECTED TO RECTANGULAR DUCT.
20. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS.
21. ALL LOW PRESSURE DUCTWORK AND ASSOCIATED ACCESSORIES SHALL BE CONSTRUCTED TO MEET THE LATEST SMACNA STANDARDS FOR MEDIUM AND LOW PRESSURE DUCTWORK.
22. PROVIDE AIRFOIL TYPE TURNING VANES IN ALL 90 DEGREE ELBOWS.
23. FASTEN AND SEAL ALL DUCTWORK JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS PER ASHRAE 90.1 SECTION 6.4.4.2.1. DUCT SEALANT SHALL BE INSPECTED PRIOR TO DUCTWORK BEING INSULATED.
24. ALL EXPOSED DUCTWORK AND PIPING ALONG WITH ASSOCIATED ACCESSORIES IN AREAS WITH NO CEILING OR PARTIAL CEILING SHALL BE PAINTED. REFER TO ARCHITECT FOR COLOR.
25. PROVIDE REMOTE SPIN-IN CONNECTION FOR ALL ROUND DUCTWORK CONNECTED TO RECTANGULAR DUCT LOCATED ABOVE A HARD CEILING.
26. ALL EQUIPMENT LOCATED OUTDOORS SHALL BE SELECTED TO WITHSTAND 150 MPH WINDS AND SHALL BE SECURED DIRECTLY TO STRUCTURE/GRADE. ALL FANS, RELIEF HOODS, AND INTAKE HOODS SHALL BE SECURED TO CURB USING STEEL CABLES. ALL PIPE SUPPORTS AND CONDUIT SUPPORTS SHALL BE ANCHORED TO ROOF DECK. ALL AIR COOLED CONDENSING UNITS SHALL BE ANCHORED TO ROOF DECK. VIBRATION ISOLATORS SHALL INCLUDE UP/LIFT SECUREMENT.
27. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOBSITE CONDITIONS DURING THE BIDDING PERIOD, SO THEY WILL HAVE OBTAINED THE SCOPE OF MECHANICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE MATERIALS AND DUCTWORK CONSISTING OF DEVICES, EQUIPMENT, OR APPARATUS WHICH MUST BE REROUTED, RELOCATED, OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON DRAWINGS. CONTRACTOR SHALL DEMOLISH ONLY WHAT IS INDICATED TO BE DEMOLISHED ON DRAWINGS.
28. COORDINATE ALL MOUNTING LOCATIONS AND HEIGHTS OF AIR DEVICES WITH ARCHITECT PRIOR TO FINAL INSTALLATION.
29. AFTER THE HYDRONIC SYSTEM FLUSH IT IS THE MECHANICAL CONTRACTORS RESPONSIBILITY TO PROVIDE ALL BYPASS LOOPS ON ALL OF THE COIL PIPING IS CLOSED ONCE THE VALVE IS PROVED CLOSED. REMOVE THE HANDLE OF THE BYPASS ISOLATION VALVE TO ENSURE NO BYPASS LINE CAN BE OPENED DURING REGULAR OPERATION.

MECHANICAL SYMBOLS



ENERGY CODE NOTES

1. DUCT SEALING, DUCTWORK AND PLENUMS SHALL BE SEALED IN ACCORDANCE WITH THE 2015 ICC AND 2015 UMC.
 2. BALANCING SYSTEM SHALL BE BALANCED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS (NEER, AABC, OR ASHRAE 111). AIR SYSTEMS SHALL BE IN A MANNER TO FIRST MINIMIZE THROTTLING LOSSES. THEN FOR FANS WITH FAN SYSTEM POWER GREATER THAN 1 HP, FAN SPEED SHALL BE ADJUSTED TO MEET DESIGN FLOW CONDITIONS.
 3. ENERGY CODE COMPLETION REQUIREMENTS.
 - DRAWINGS/ CONSTRUCTION DOCUMENTS SHALL BE PROVIDED WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE RECORD DRAWINGS OF THE ACTUAL INSTALLATION BE PROVIDED TO THE BUILDING OWNER OR THE DESIGNATED REPRESENTATIVE OF THE BUILDING OWNER. RECORD DRAWINGS SHALL INCLUDE AS A MINIMUM THE LOCATION AND PERFORMANCE DATA ON EACH PIECE OF EQUIPMENT, GENERAL CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM INCLUDING SIZES AND THE TERMINAL AIR OR WATER DESIGN FLOW RATES.
 - MANUALS/ CONSTRUCTION DOCUMENTS REQUIRE THAT AN OPERATING MANUAL AND A MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER OR THE DESIGNATED REPRESENTATIVE OF THE BUILDING OWNER WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE. THESE MANUALS SHALL BE IN ACCORDANCE WITH INDUSTRY ACCEPTED STANDARDS, AND SHALL INCLUDE AT A MINIMUM THE FOLLOWING:
 - (A) SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
 - (B) OPERATING MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE SHALL BE CLEARLY IDENTIFIED.
 - (C) NAMES AND ADDRESSES OF AT LEAST ONE SERVICE AGENCY.
 - (D) HVAC CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS. DESIRED OR FIELD DETERMINED SET POINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS, AT CONTROL DEVICES OR FOR DIGITAL CONTROL SYSTEMS IN THE PROGRAMMING COMMENTS.
 - (E) COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING SUGGESTED SETPOINTS.
- AUTOMATIC SHUTOFF
 HVAC SYSTEMS SHALL BE EQUIPPED WITH CONTROLS THAT CAN START AND STOP THE SYSTEM UNDER DIFFERENT TIME SCHEDULES FOR SEVEN DIFFERENT TIMES PER WEEK, AND BE CAPABLE OF RETAINING PROGRAMMING AND TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF NOT LESS THAN 10 HOURS AND INCLUDE AN ACCESSIBLE MANUAL OVERRIDE, OR EQUIVALENT FUNCTION THAT ALLOWS TEMPORARY OPERATION OF THE SYSTEM FOR TWO HOURS.
- SHUTOFF DAMPER CONTROLS
 BOTH OUTDOOR AIR SUPPLY AND EXHAUST SYSTEMS SHALL BE EQUIPPED WITH BOTH MOTORIZED DAMPERS THAT WILL AUTOMATICALLY SHUT WHEN THE SYSTEMS OR SPACES SERVED ARE NOT IN USE. VENTILATION OUTDOOR AIR DAMPERS SHALL BE CAPABLE OF AUTOMATICALLY SHUTTING OFF DURING PREOCCUPANCY BUILDING WARM UP, COOL DOWN AND SETBACK.
- NOTES:
1. DUCTWORK WITHIN THE BUILDING ENVELOPE WILL HAVE A MINIMUM INSULATION VALUE OF R-6. DUCTWORK LOCATED OUTSIDE OF THE BUILDING ENVELOPE WILL BE INSULATED WITH A MINIMUM OF R-8. DUCTWORK SHALL HAVE VAPOR BARRIERS WITH A PERM RATING NOT TO EXCEED 0.5 PERM. ALL JOINTS TO BE SEALED.
 2. CONSTRUCTION - VENTILATING CEILINGS, SUSPENDED CEILING MATERIAL SHALL HAVE A CLASS 1 FLAME SPREAD CLASSIFICATION ON BOTH SIDES, DETERMINED IN ACCORDANCE WITH THE BUILDING CODE. CEILING SUPPORTS SHALL BE OF NONCOMBUSTIBLE MATERIALS. LIGHTING FIXTURES RECESSED INTO VENTILATING CEILINGS SHALL BE OF A TYPE APPROVED FOR THAT PURPOSE.
 3. APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE. SUPPORTS FOR APPLIANCES SHALL BE DESIGNED AND CONSTRUCTED TO SUSTAIN VERTICAL AND HORIZONTAL LOADS WITHIN THE STRESS LIMITATIONS SPECIFIED IN THE IBC, SECTION 304.4 - UNIFORM MECHANICAL CODE.

MECHANICAL SHEET LIST

DWG NUMBER	DWG NAME

APPLICABLE CODES AND STANDARDS

HOUSTON AIRPORT SYSTEM AND MODULAR RESTROOM DESIGN STANDARDS
MECHANICAL CODE: 2012 UNIFORM MECHANICAL CODE WITH CITY OF HOUSTON AMENDMENTS
BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE WITH CITY OF HOUSTON AMENDMENTS
2012 INTERNATIONAL FIRE CODE WITH CITY OF HOUSTON AMENDMENTS
2012 UNIFORM PLUMBING CODE WITH CITY OF HOUSTON AMENDMENTS
2020 NATIONAL ELECTRIC CODE
ASHRAE 90.1-2013 WITH CITY OF HOUSTON AMENDMENTS
ASHRAE 62.1-2013 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY
2012 TAS - TEXAS ACCESSIBILITY STANDARD
WHERE TWO OR MORE STANDARDS ARE APPLICABLE, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

HOUSTON AIRPORTS

3701 North Terminal Road
Houston, Texas 77032

TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
 C.O.H. No. _____ D.O.A. No. _____
 B.S.G. No. **2024-92-IAH** H.A.S. No. _____
 TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766 Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: _____ **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: _____ JE
 DRAWN BY: _____ JE
 CHECKED BY: _____ JE
 ISSUE DATE: _____ 03.21.24
 APPROVED BY: _____ JE
 APPROVAL DATE: _____ 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category: **IFB**
ISSUED FOR BIDDING

Professional Seal: CURTIS JONES, JR. P.E. 58428
 JEH4780
 04/30/2024
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 58428

SHEET NAME: MECHANICAL ABBREVIATIONS, LEGENDS AND NOTES
 SHEET No. M-001 SCALE: 12" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitlorn Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

**HENDERSON
ROGERS**
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

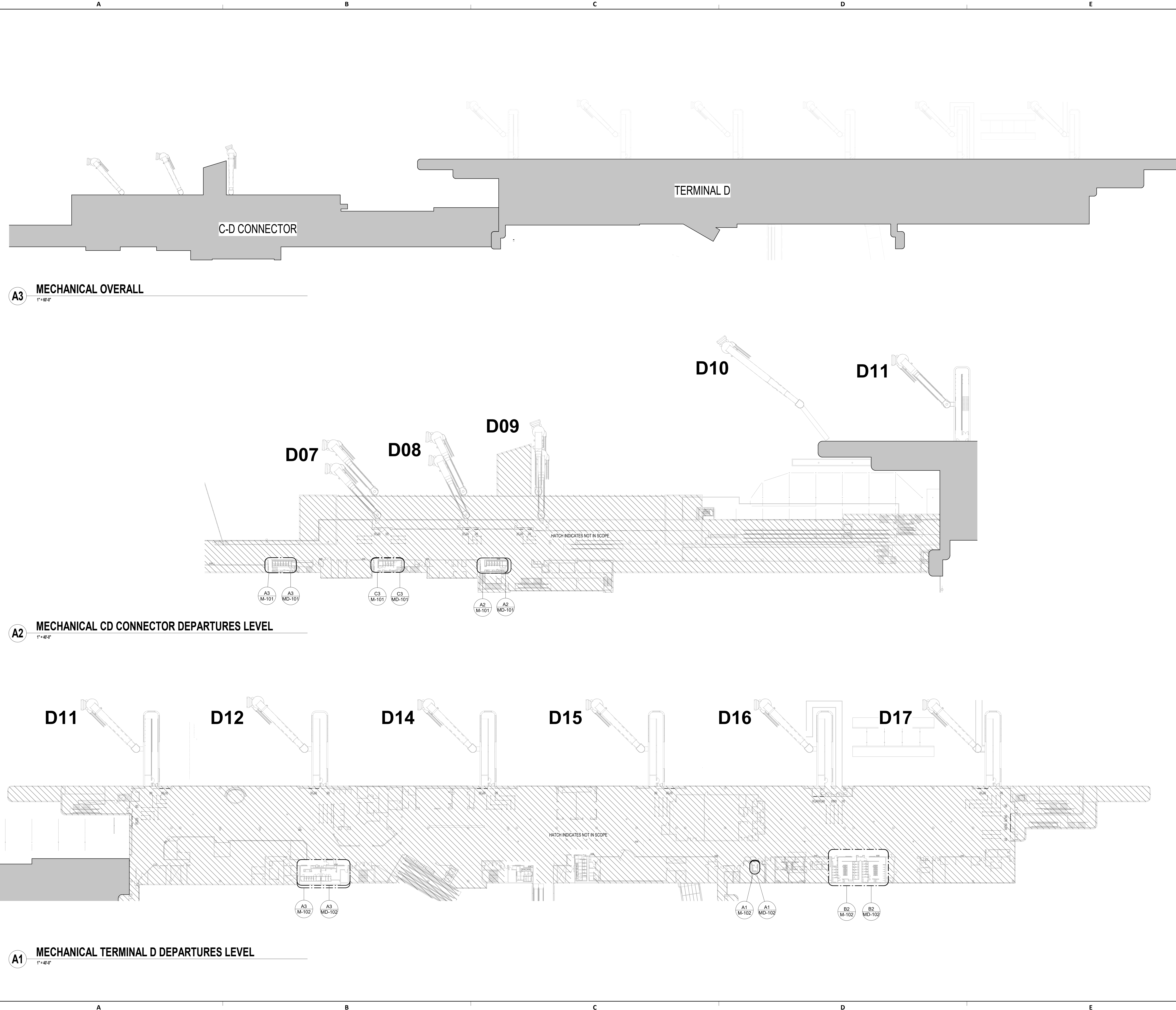
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS
AUTHORIZED BY N. CURTIS JONES, JR., P.E. 65428

SHEET NAME:
MECHANICAL OVERALL PLAN & TERMINAL
LEVELS
SHEET No. M-040 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



A3 MECHANICAL OVERALL
1" = 8'-0"

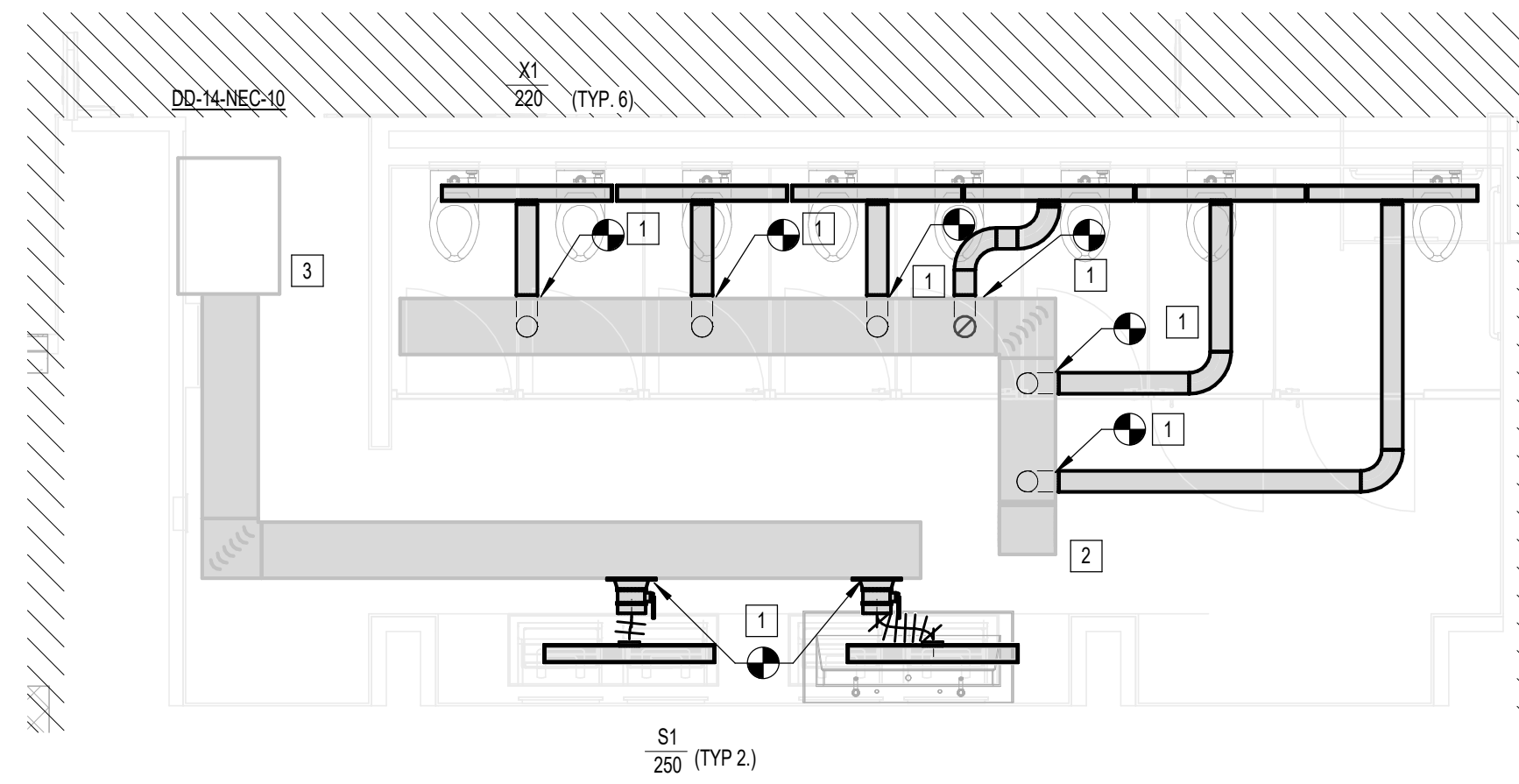
A2 MECHANICAL CD CONNECTOR DEPARTURES LEVEL
1" = 8'-0"

A1 MECHANICAL TERMINAL D DEPARTURES LEVEL
1" = 8'-0"

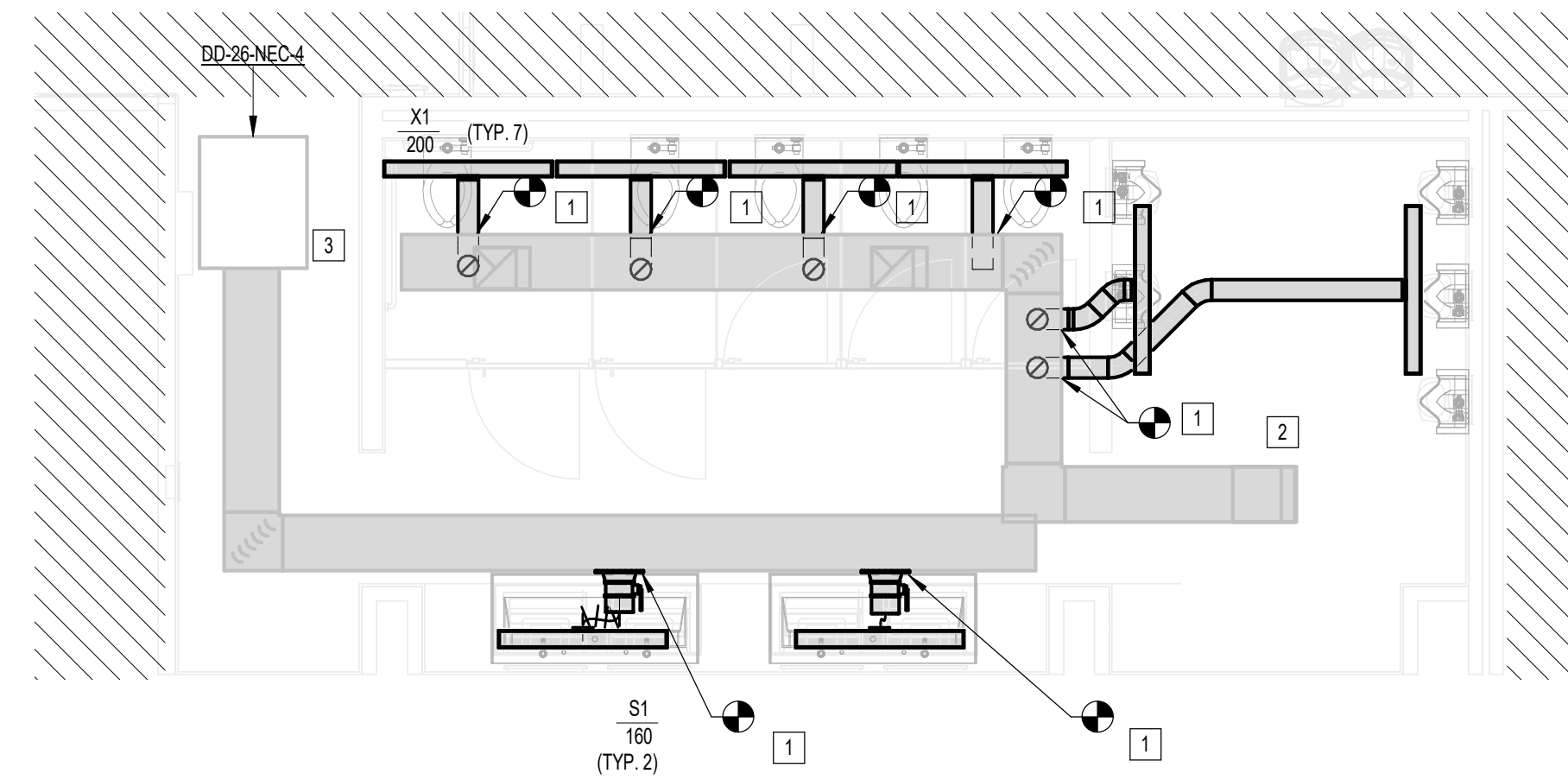
FILE PATH: BIM 360/1429.12 Terminal D Restrooms/4780_MEP20.rvt
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE:

A B C D E

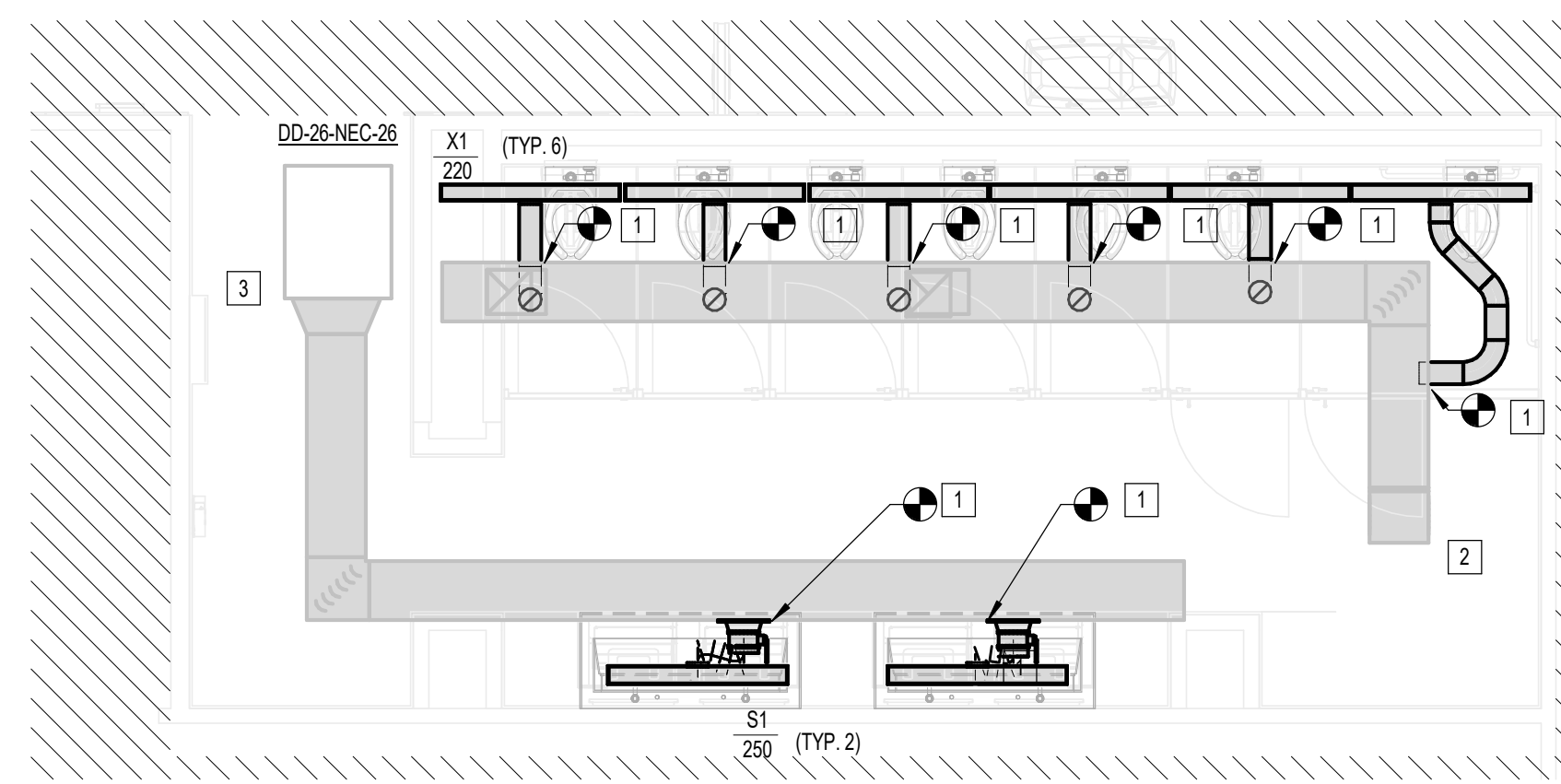
KEYED NOTES	
#	KEY NOTE
1	CONNECT TO EXISTING BRANCH DUCTWORK.
2	PROVIDE NEW EXHAUST FAN ON ROOF.
3	EXISTING AIR TERMINAL UNIT TO REMAIN.



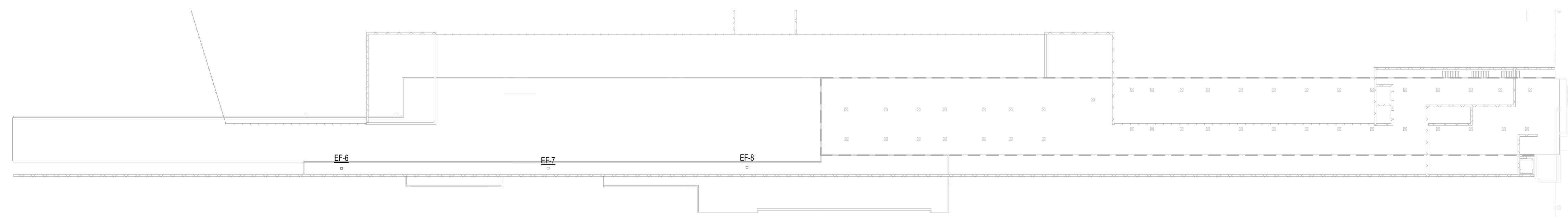
A3 MECHANICAL WOMEN'S RESTROOM GATE D07 AREA
1/4" = 1'-0"



C3 MECHANICAL MEN'S RESTROOM GATE D07-D09 AREA
1/4" = 1'-0"



A2 MECHANICAL WOMEN'S RESTROOM GATE D09 AREA
1/4" = 1'-0"



1 MECHANICAL CD CONNECTOR ROOF PLAN
1" = 40'-0"

A B C D E

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: _____ **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: _____ JE
DRAWN BY: _____ JE
CHECKED BY: _____ JE
ISSUE DATE: _____ 03.21.24
APPROVED BY: _____ JE
APPROVAL DATE: _____ 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 58428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
MECHANICAL ENLARGED RR PLANS - CD CONNECTOR

SHEET No. _____ SCALE: _____ As indicated

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: _____
 DOA DWG FILE: _____
 OLD DOA No.: _____
 PLOT DATE: _____
 FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
 HAS FILE: _____



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

**HENDERSON
ROGERS**
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: _____ JE
DRAWN BY: _____ JE
CHECKED BY: _____ JE
ISSUE DATE: 03.21.24
APPROVED BY: _____ JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

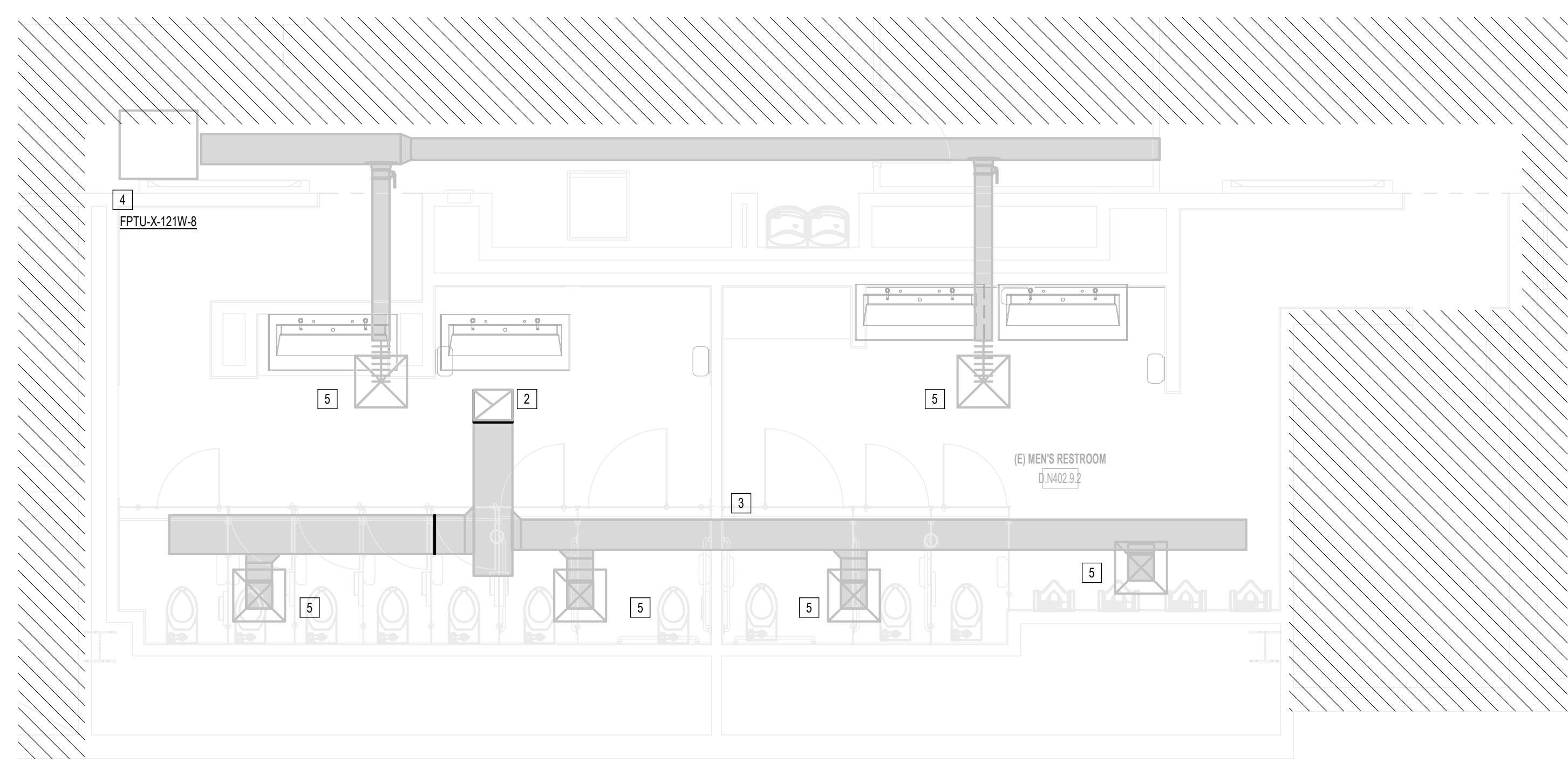
Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS
AUTHORIZED BY N. CURTIS JONES, JR., P.E. 55428

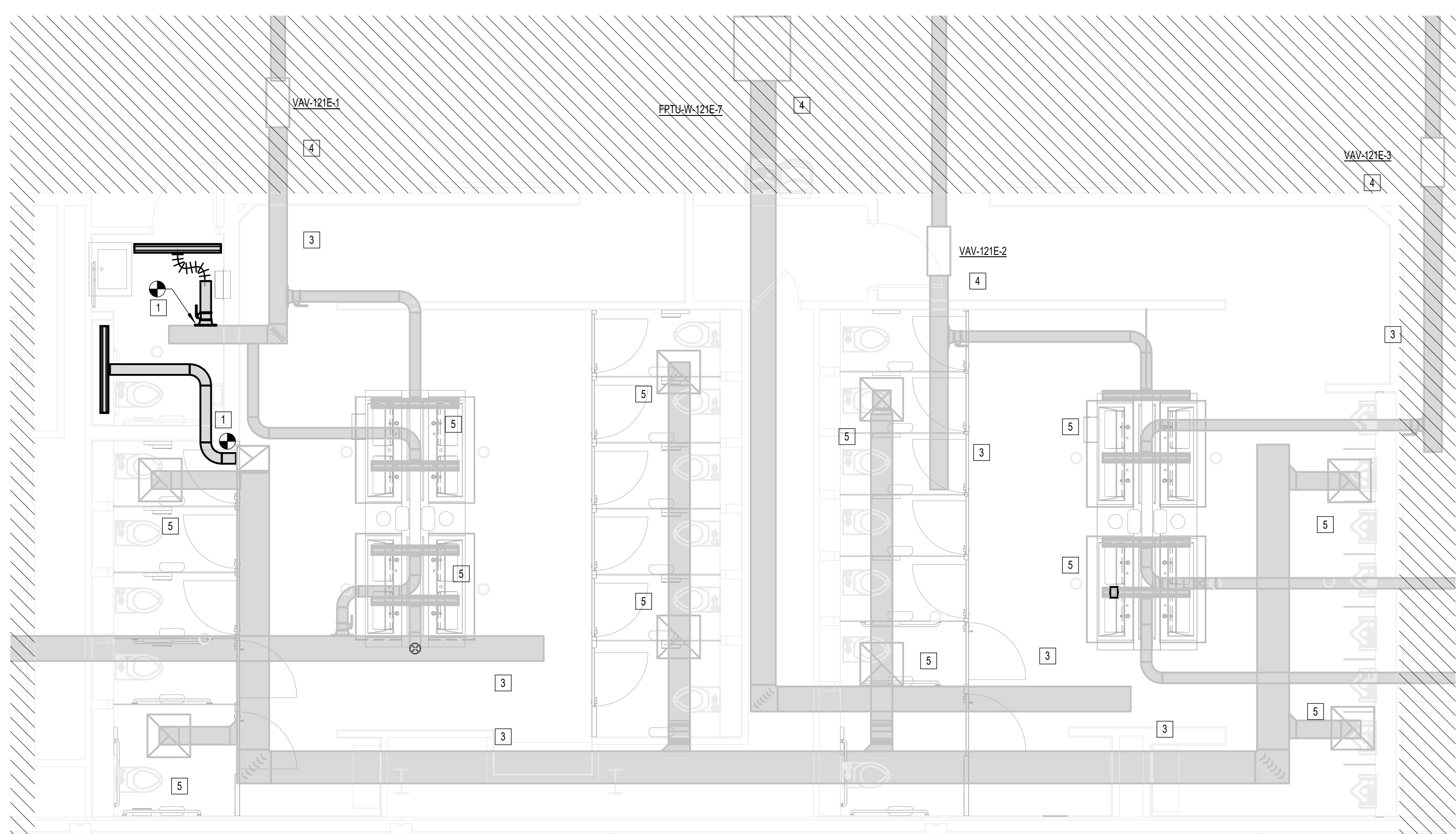
SHEET NAME: MECHANICAL ENLARGED RR PLANS -
TERMINAL D
SHEET No. M-102 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

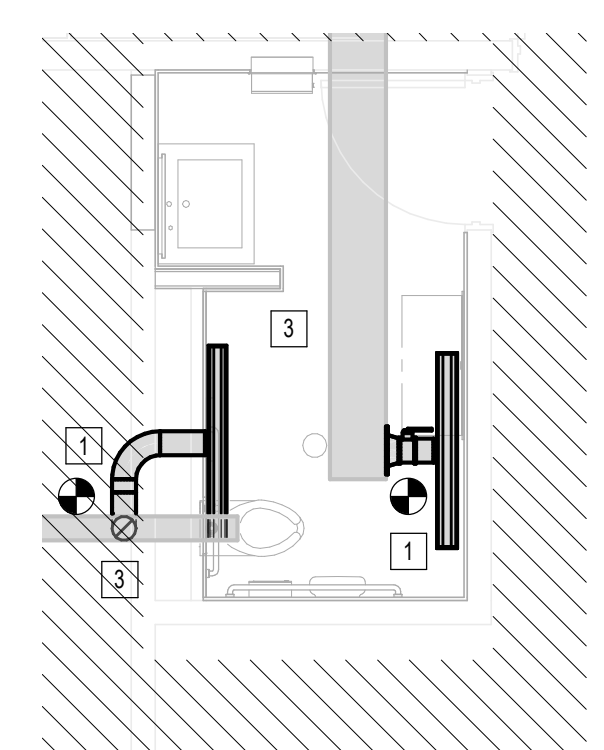
#	KEY NOTE
1	CONNECT TO EXISTING BRANCH DUCTWORK.
2	EXISTING EXHAUST FAN ON ROOF TO REMAIN.
3	SUPPLY/EXHAUST TRUNK DUCT IS EXISTING TO REMAIN.
4	EXISTING AIR TERMINAL UNIT TO REMAIN.
5	EXISTING AIR DEVICE TO REMAIN.



A3 MECHANICAL MEN & WOMEN'S RR GATE D12
1/4" = 1'-0"



B2 MECHANICAL D16 AREA RESTROOMS
1/4" = 1'-0"



A1 MECHANICAL WOMEN'S RR GATE D15 AREA
1/4" = 1'-0"

PLOT DATE: _____
 DOA DWG FILE: _____
 OLD DOA No.: _____
 PLOT DATE: _____
 FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
 HAS FILE: _____

FAN SCHEDULE													
MARK	MANU.	MODEL	LOCATION	AREA(S) SERVED	FAN TYPE	CFM	E.S.P. IN.	ELECTRICAL			NOTES		
								W.G.	HP	RPM		V	PH
EF-6	GREENHECK	G-200HP-VG	ROOF	RR/JAN	UPBLAST	1310	0.5	2	666	460	3	60	ALL
EF-7	GREENHECK	G-200HP-VG	ROOF	RR/JAN	UPBLAST	1310	0.5	2	666	460	3	60	ALL
EF-8	GREENHECK	G-200HP-VG	ROOF	RR/JAN	UPBLAST	1310	0.5	2	666	460	3	60	ALL

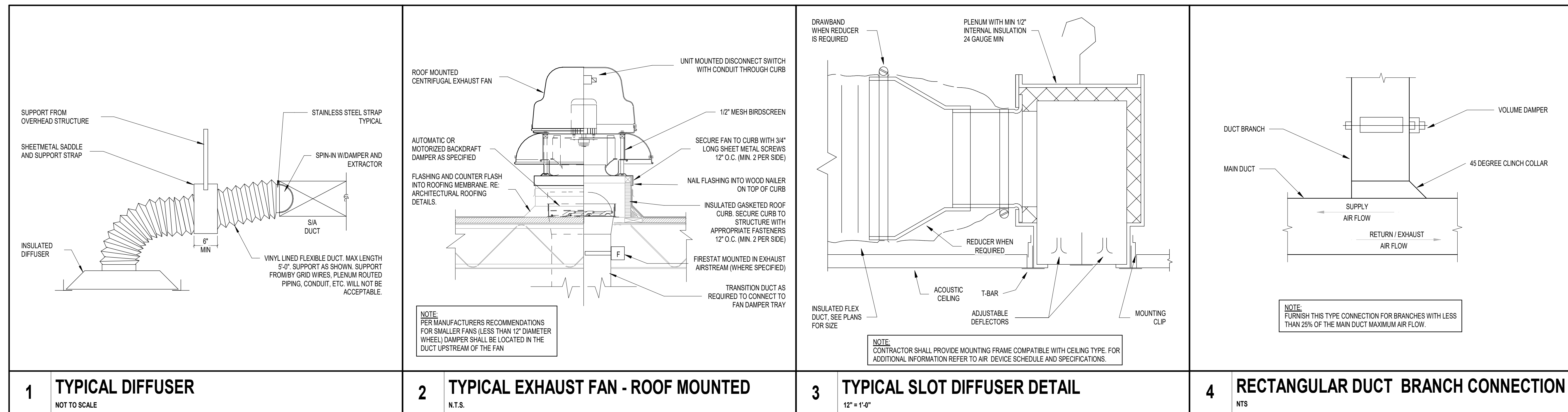
NOTES:

- EXTERNAL STATIC PRESSURE DOES NOT ACCOUNT FOR LOSSES DUE TO FILTERS, HOUSING, NOR ACCESSORIES.
- PROVIDE FAN WITH MOTOR RATED TOGGLE SWITCH, VARI-GREEN DIAL MOUNTED ON EXTERIOR OF FAN HOUSING, AND VIBRATION ISOLATORS.
- INLINE EXHAUST W/BACK DRAFT DAMPER AND SOLID STATE SPEED CONTROL.

AIR DEVICE SCHEDULE											
MARK	MANU.	MODEL	TYPE	NOMINAL FACE SIZE	MAX CFM	NECK SIZE	NOISE CRITERIA (MAX) NC	ELECTRICAL			NOTES
								V	PH	HZ	
S1	TITUS	FL-10	SUPPLY LINEAR AIR DEVICE, WHITE, ALUMINUM, 1" SLOT WITH PATTERN CONTROLLER. PROVIDE WITH PLENUM AND EXPOSED FRAME FOR SIDEWALL APPLICATION.	4' X 6'	260 CFM	6"	30				ALL
X1	TITUS	FL-10	EXHAUST LINEAR AIR DEVICE, ALUMINUM, (1) 2" SLOT WITH PATTERN CONTROLLER. PROVIDE WITH PLENUM AND EXPOSED FRAME FOR SIDEWALL APPLICATION.	4' X 6'	260 CFM	6"	30				ALL

REMARKS:

- AIR DISTRIBUTION DEVICE LOCATED WITHIN ACOUSTICAL TILE CEILINGS SHALL BE PROVIDED WITH BORDER TYPE FOR LAY-IN MOUNTINGS. AIR DISTRIBUTION DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS OR WALLS SHALL BE PROVIDED WITH BORDER TYPE FOR SURFACE MOUNTING. REFER TO ARCHITECTURAL DOCUMENTS FOR CEILING TYPES. PROVIDE TRIM-RING FOR SQUARE CONE DIFFUSERS LOCATED WITHIN GYPSUM BOARD CEILINGS.
- AIR DISTRIBUTION DEVICES LOCATED IN SMALL ROOMS WHERE FULL 24"X24" GRID ARE NOT AVAILABLE SHALL BE PROVIDED WITH SURFACE MOUNTING BORDERS IN LIEU OF LAY-IN. SECURE EACH DEVICE TO CEILING GRID WITH FIELD-FABRICATED SUPPORTS.
- PROVIDE SECTORING BAFFLES IN SUPPLY AIR DEVICES TO DIRECT AIR AS INDICATED ON FLOOR PLANS.
- DUCT RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS SCHEDULED NECK DIAMETER.
- 4 FT LONG PLENUM WITH 8" INLET CFM AS INDICATED ON PLAN.



HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitford Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY:	JE
DRAWN BY:	JE
CHECKED BY:	JE
ISSUE DATE:	03.21.24
APPROVED BY:	JE
APPROVAL DATE:	03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 56428

JE#4780
04/30/2024

SHEET NAME: MECHANICAL SCHEDULE AND DETAILS	
SHEET No. _____	SCALE: As indicated

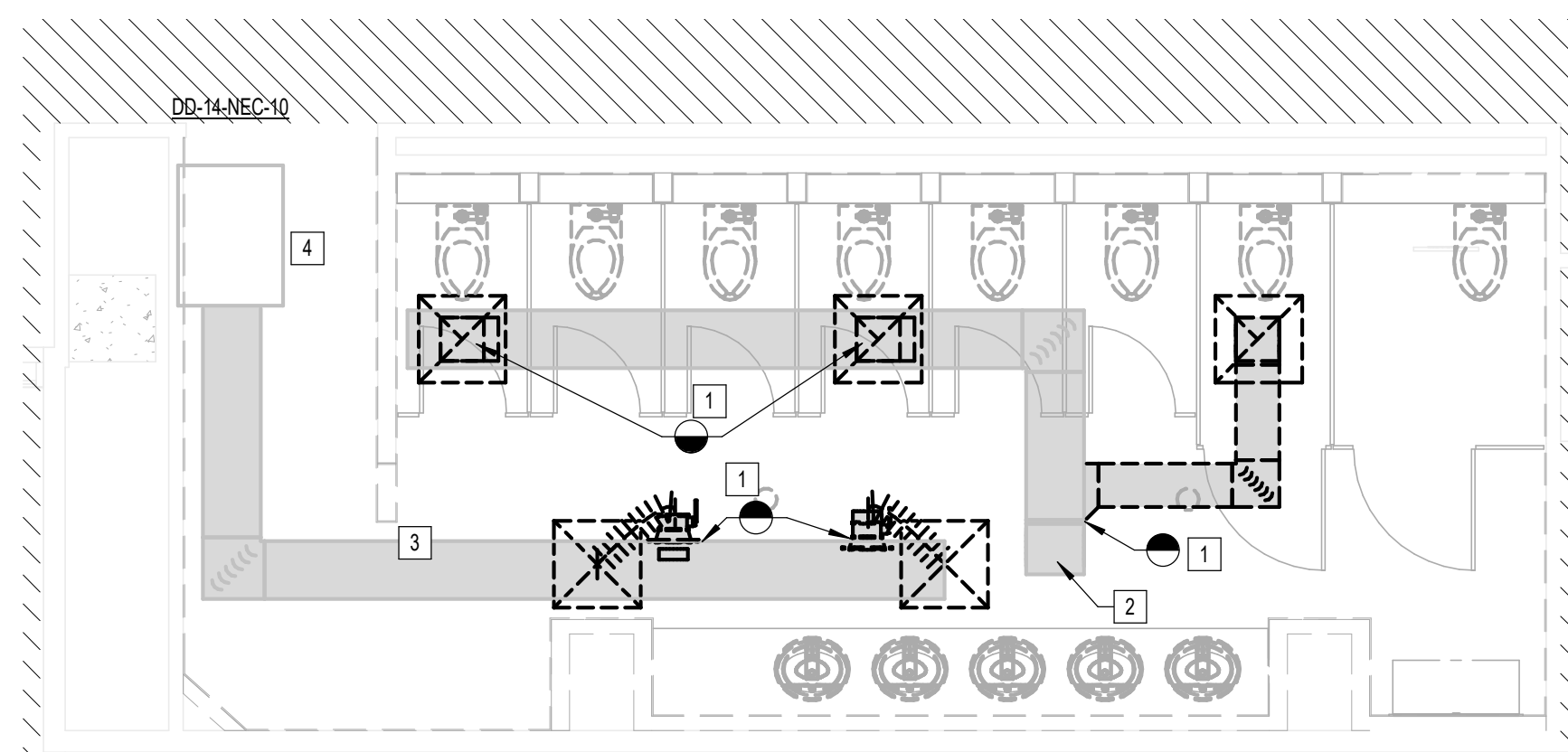
A

B

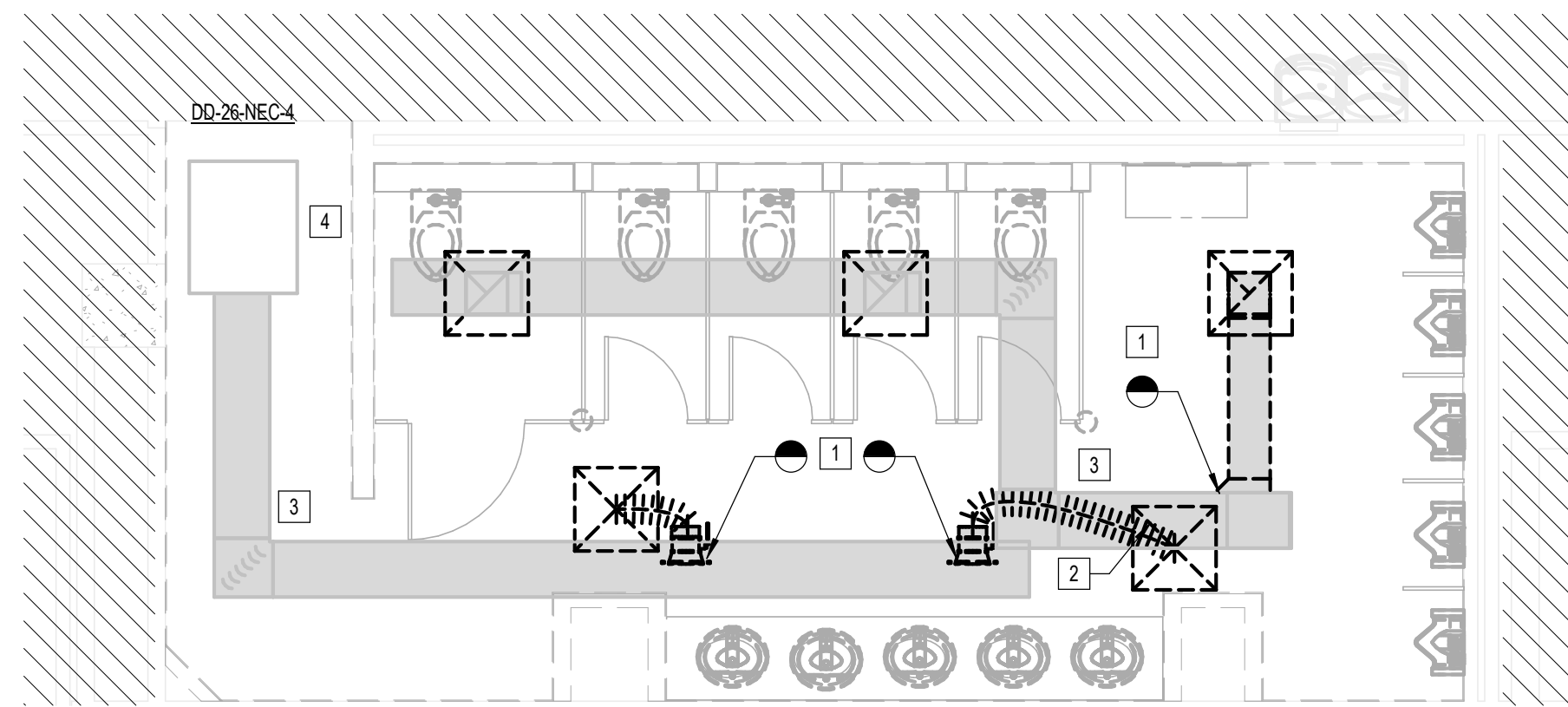
C

D

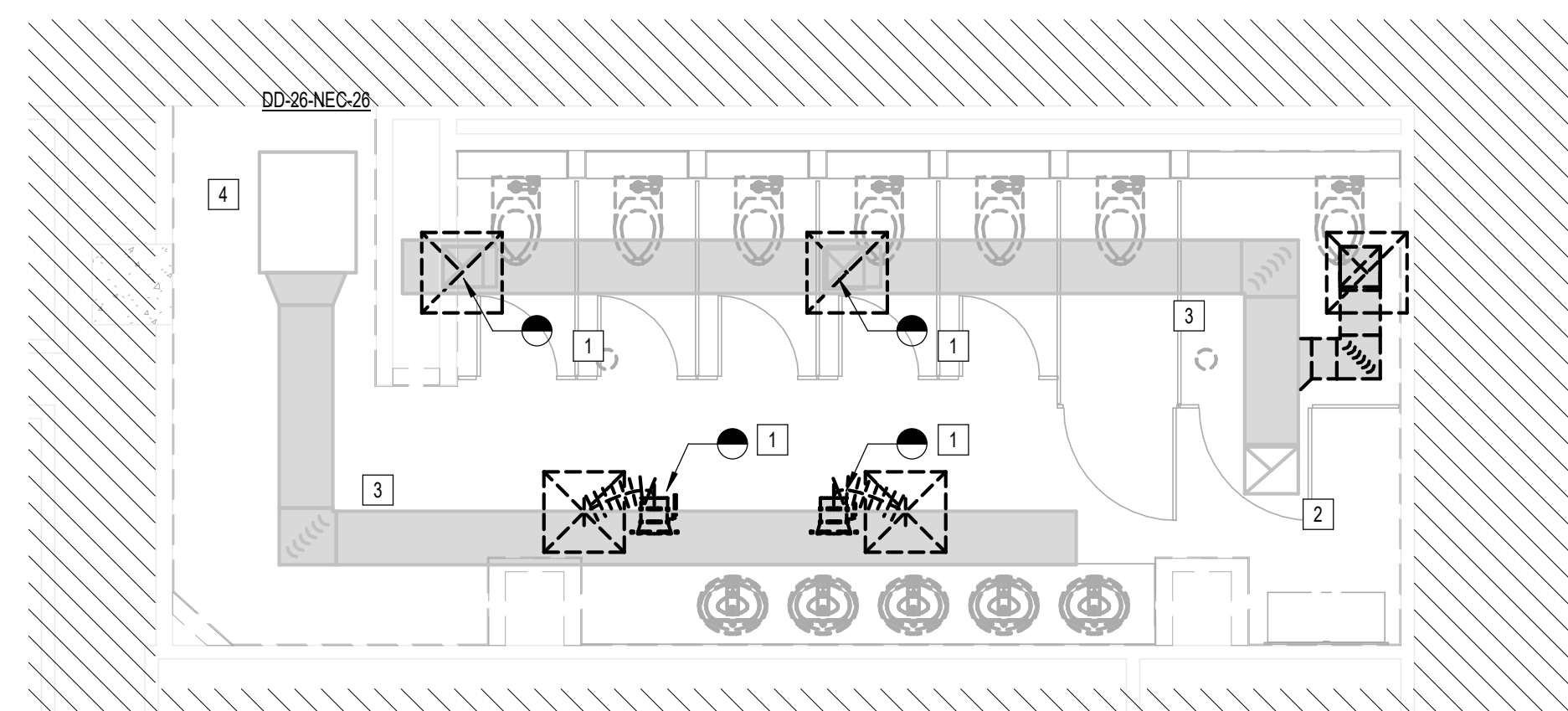
E



A3 MECHANICAL WOMEN'S RESTROOM GATE D07 AREA - DEMO
1/4" = 1'-0"



C3 MECHANICAL MEN'S RESTROOM GATE D07-D09 AREA - DEMO
1/4" = 1'-0"



A2 MECHANICAL WOMEN'S RESTROOM GATE D09 AREA - DEMO
1/4" = 1'-0"

KEYED NOTES	
#	KEY NOTE
1	POINT OF DEMOLITION. DEMOLISH ALL DOWNSTREAM DUCTWORK AND AIR DEVICES AND REMOVE.
2	DEMOLISH EXISTING EXHAUST FAN ON ROOF AND REMOVE. COORDINATE WITH ELECTRICAL CONTRACTOR.
3	SUPPLY EXHAUST TRUNK DUCT IS EXISTING TO REMAIN.
4	EXISTING AIR TERMINAL UNIT TO REMAIN.

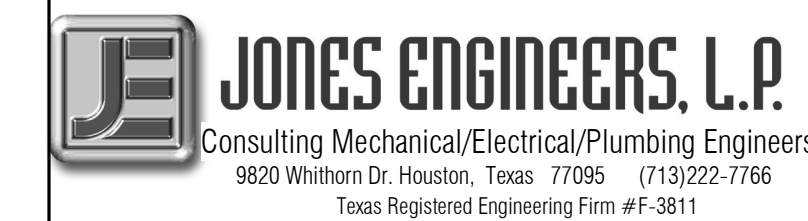


3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
TRP T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003
713.868.3121
www.rdlr.com



HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
MECHANICAL ENLARGED DEMO PLANS - CD
CONNECTOR
SHEET No. MD-101 SCALE: 1/4" = 1'-0"

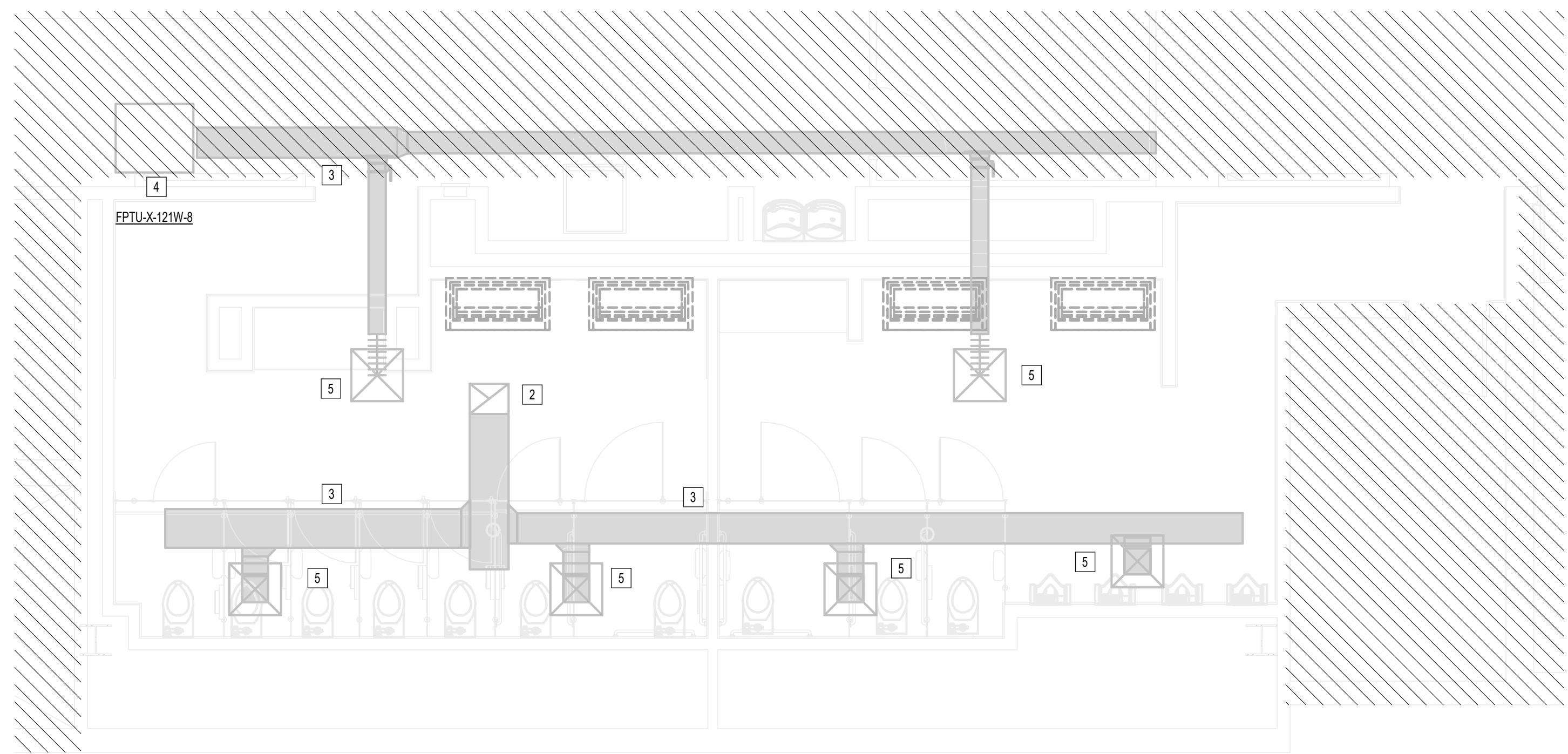
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:
FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt
HAS FILE:

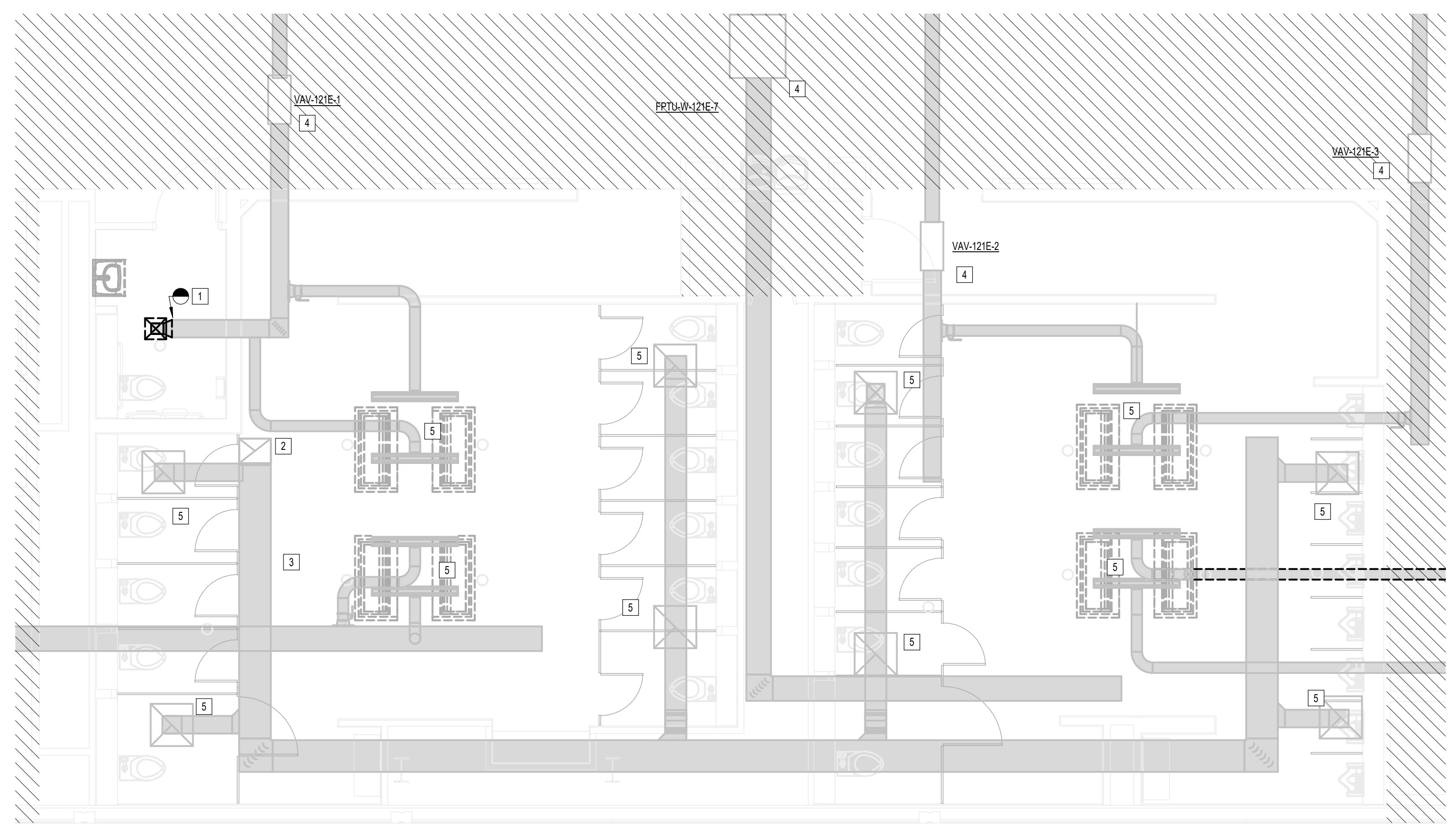
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

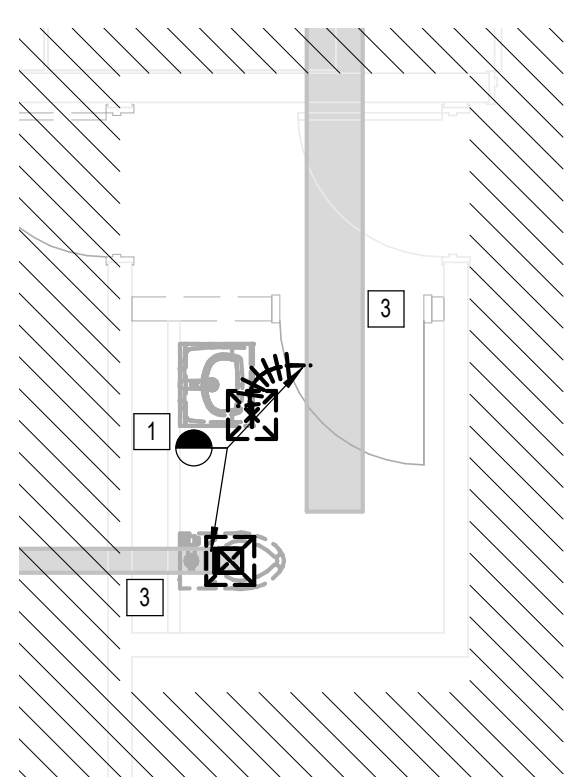
HAS FILE:



A3 MECHANICAL MEN & WOMEN'S RR GATE D12 - DEMO
1/4" = 1'-0"



B2 MECHANICAL D16 AREA RESTROOMS - DEMO
1/4" = 1'-0"



A1 MECHANICAL WOMEN'S RR GATE D15 AREA - DEMO
1/4" = 1'-0"

KEYED NOTES	
#	KEY NOTE
1	POINT OF DEMOLITION. DEMOLISH ALL DOWNSTREAM DUCTWORK AND AIR DEVICES AND REMOVE.
2	EXISTING EXHAUST FAN ON ROOF TO REMAIN.
3	SUPPLY EXHAUST TRUNK DUCT IS EXISTING TO REMAIN.
4	EXISTING AIR TERMINAL UNIT TO REMAIN.
5	EXISTING AIR DEVICE TO REMAIN.



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: _____ JE
DRAWN BY: _____ JE
CHECKED BY: _____ JE
ISSUE DATE: 03.21.24
APPROVED BY: _____ JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

THE SEAL
N. CURTIS JONES, JR.
P.E. 56428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 56428

SHEET NAME:
MECHANICAL ENLARGED DEMO PLANS -
TERMINAL D

SHEET No. MD-102 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. **2024-92-IAH** H.A.S. No.
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

**HENDERSON
ROGERS**
structural engineers

2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

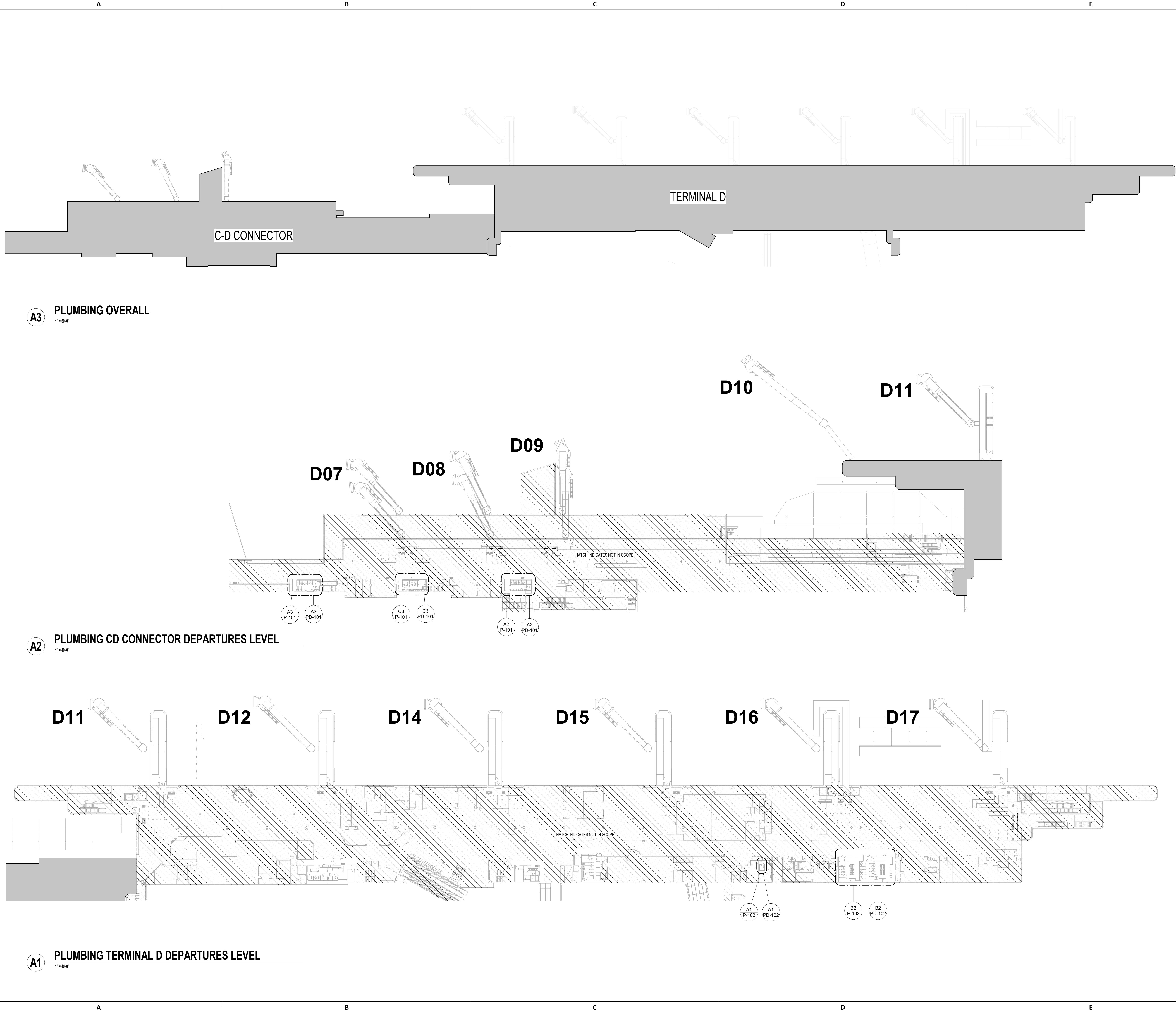
Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024

SHEET NAME:
**PLUMBING OVERALL PLAN & TERMINAL
LEVELS**

SHEET No. P-040 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

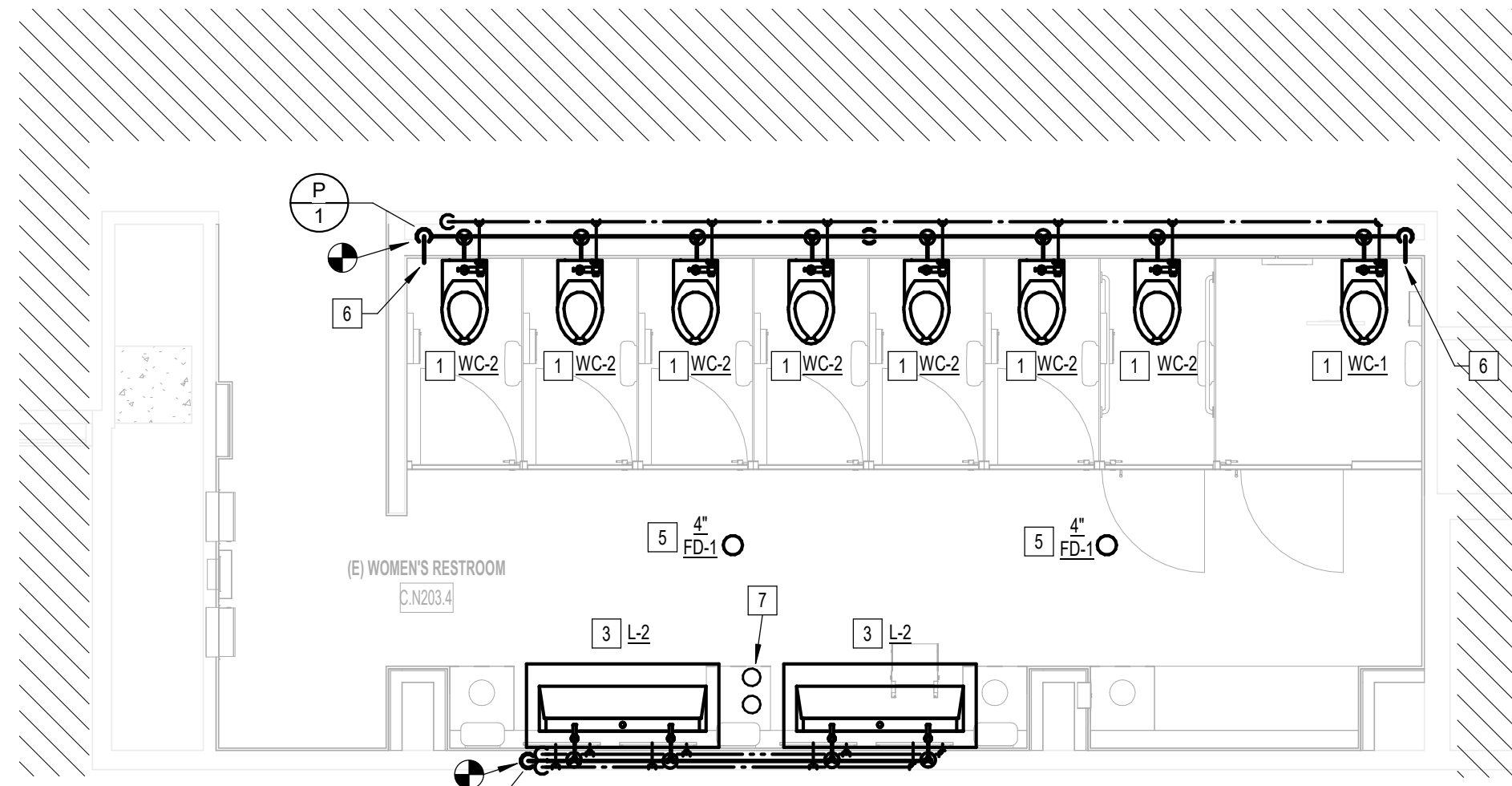


A3 PLUMBING OVERALL
1"=48"

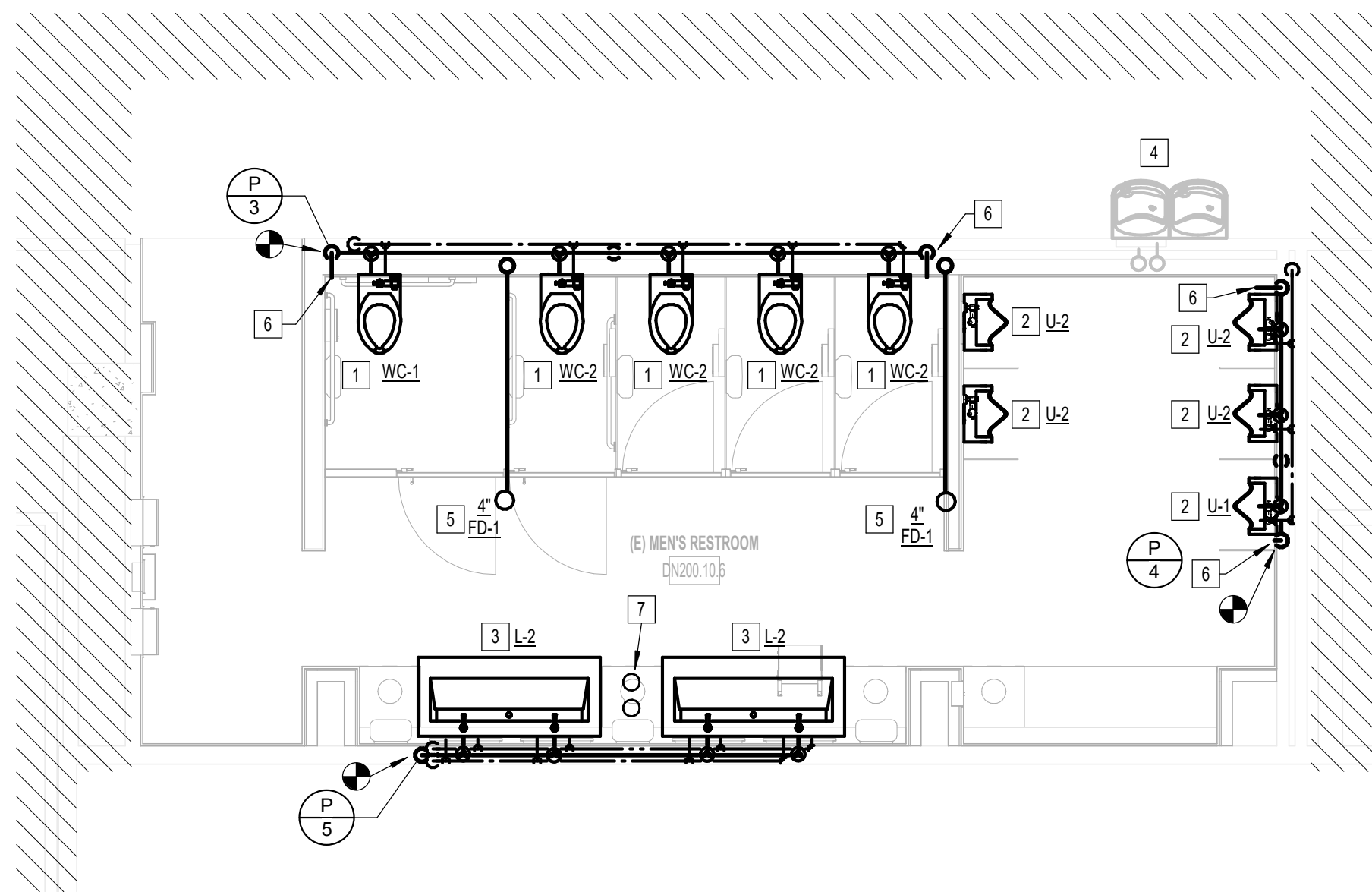
A2 PLUMBING CD CONNECTOR DEPARTURES LEVEL
1"=48"

A1 PLUMBING TERMINAL D DEPARTURES LEVEL
1"=48"

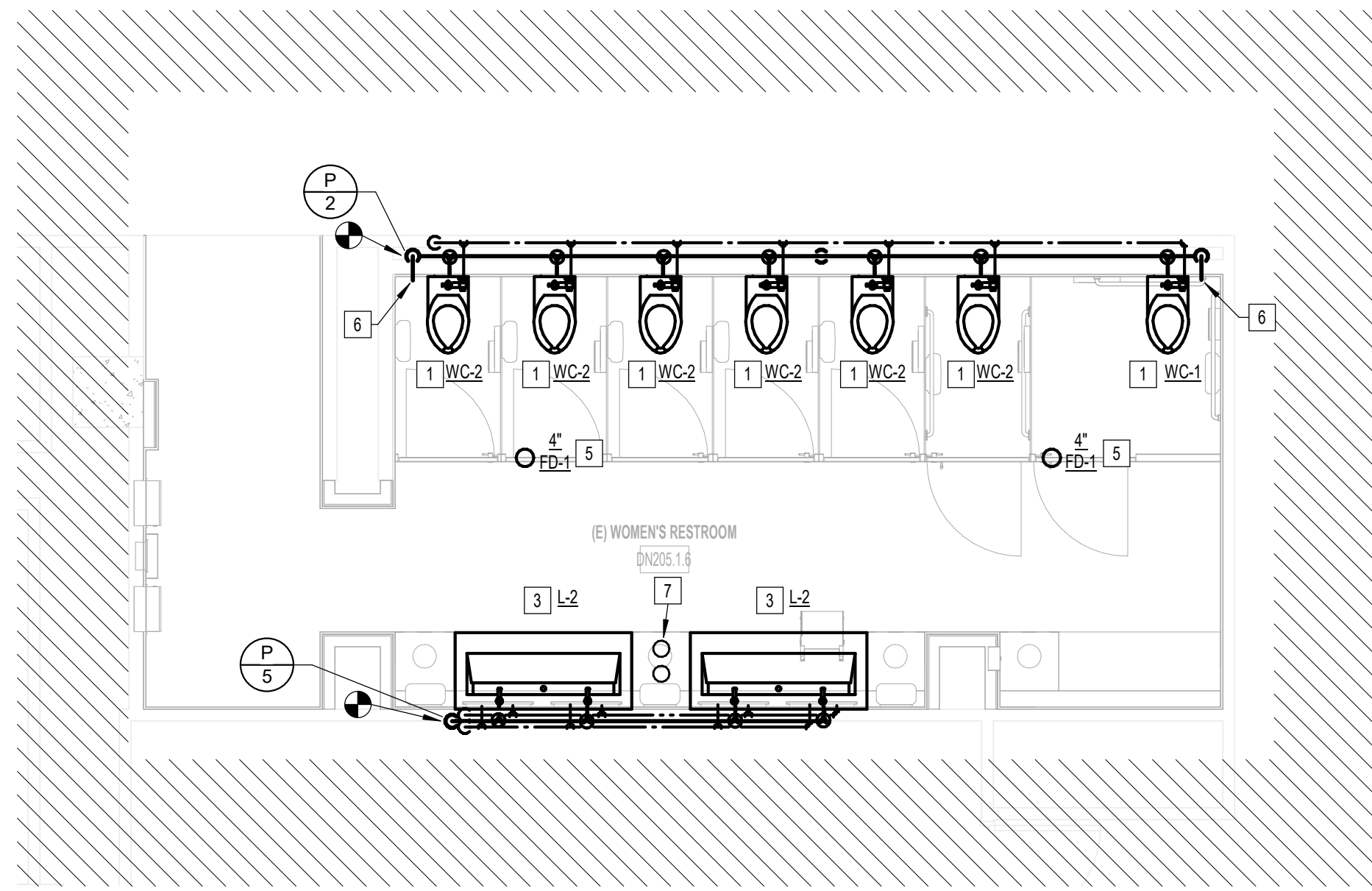
PLOT DATE: DOA DWG FILE: PLOT DATE: HAS FILE: FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt



A3 PLUMBING WOMEN'S RESTROOM GATE D07 AREA
1/4" = 1'-0"



C3 PLUMBING MEN'S RESTROOM GATE D07-D09 AREA
1/4" = 1'-0"



A2 PLUMBING WOMEN'S RESTROOM GATE D09 AREA
1/4" = 1'-0"

GENERAL NOTE:
BUILDING TO BE 100%
SPRINKLERED, PER NFPA 13.

**CD CONNECTOR
PLUMBING GENERAL NOTES:**

1. LAVATORY FAUCET HOT WATER SUPPLY MUST BE WITHIN THE DISTANCE ALLOWED IN IBC, SECTION 0415.1.
2. RESTROOMS IN CD CONNECTOR ARE FULL RENOVATION. ALL PLUMBING FIXTURES SHALL BE REPLACED WITH NEW.
3. CONTRACTOR SHALL PROVIDE SEWER SCOPE INSPECTION.

CD CONNECTOR PLAN KEYED NOTES

- | # | NOTE |
|---|---|
| 1 | PROVIDE NEW WATER CLOSET, CARRIER, FLUSH VALVE, TRIM, ETC. ACCORDING TO SCHEDULE. ROUTE ALL NEW 4" SANITARY WASTE & VENT AND 1-1/2" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 2 | PROVIDE NEW URINAL, CARRIER, FLUSH VALVE, TRIM, ETC. ACCORDING TO SCHEDULE. ROUTE ALL NEW 4" SANITARY WASTE & VENT AND 1-1/2" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 3 | PROVIDE NEW LAVATORY CARRIER, TRIM, ETC. ACCORDING TO SCHEDULE. ROUTE ALL NEW 2" SANITARY WASTE & VENT AND 3/4" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. PROVIDE NEW DOMESTIC HOT WATER RETURN LINE WITH RECIRCULATING PUMP. LAVATORY FAUCET HOT WATER SUPPLY MUST BE WITHIN THE DISTANCE ALLOWED IN IBC, SECTION 0415.1. |
| 4 | DRINKING FOUNTAIN EXISTING TO REMAIN. |
| 5 | PROVIDE NEW FLOOR DRAIN ACCORDING TO SCHEDULE. ROUTE ALL NEW 4" SANITARY WASTE & VENT AND 3/4" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 6 | PROVIDE NEW CLEAN OUT IN EASILY ACCESSIBLE LOCATION. |
| 7 | PROVIDE 3 GALLON SOAP DISPENSER RESERVOIRS AT THIS LOCATION. REFER TO DIAGRAM ON P301. |

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003
713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 55428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 55428

SHEET NAME: PLUMBING ENLARGED RR PLANS - CD CONNECTOR
SHEET No. P-101 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

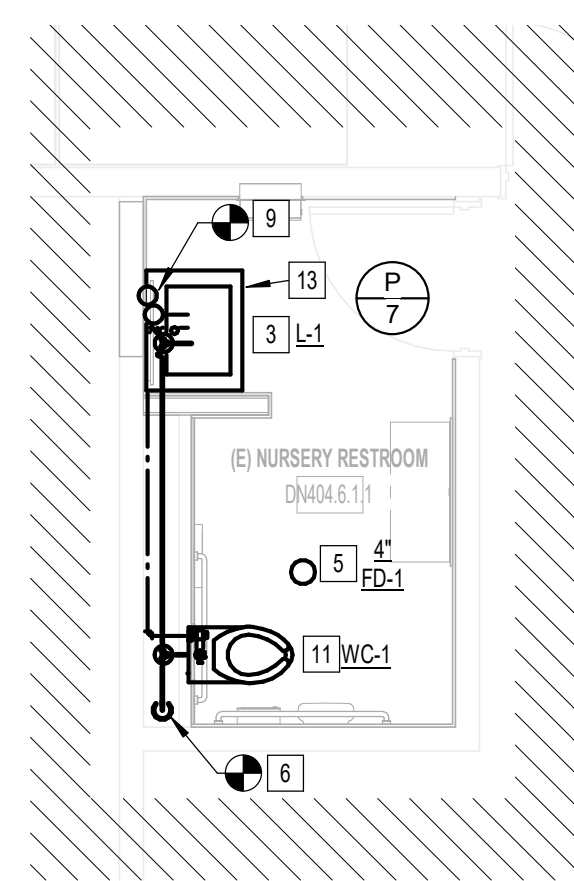
FILE PATH: BIM 360/[1429.12 Terminal D Restrooms/4780_MEP20.rvt
PLOT DATE: _____
DOA DWG FILE: _____
OLD DOA No.: _____
HAS FILE: _____

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

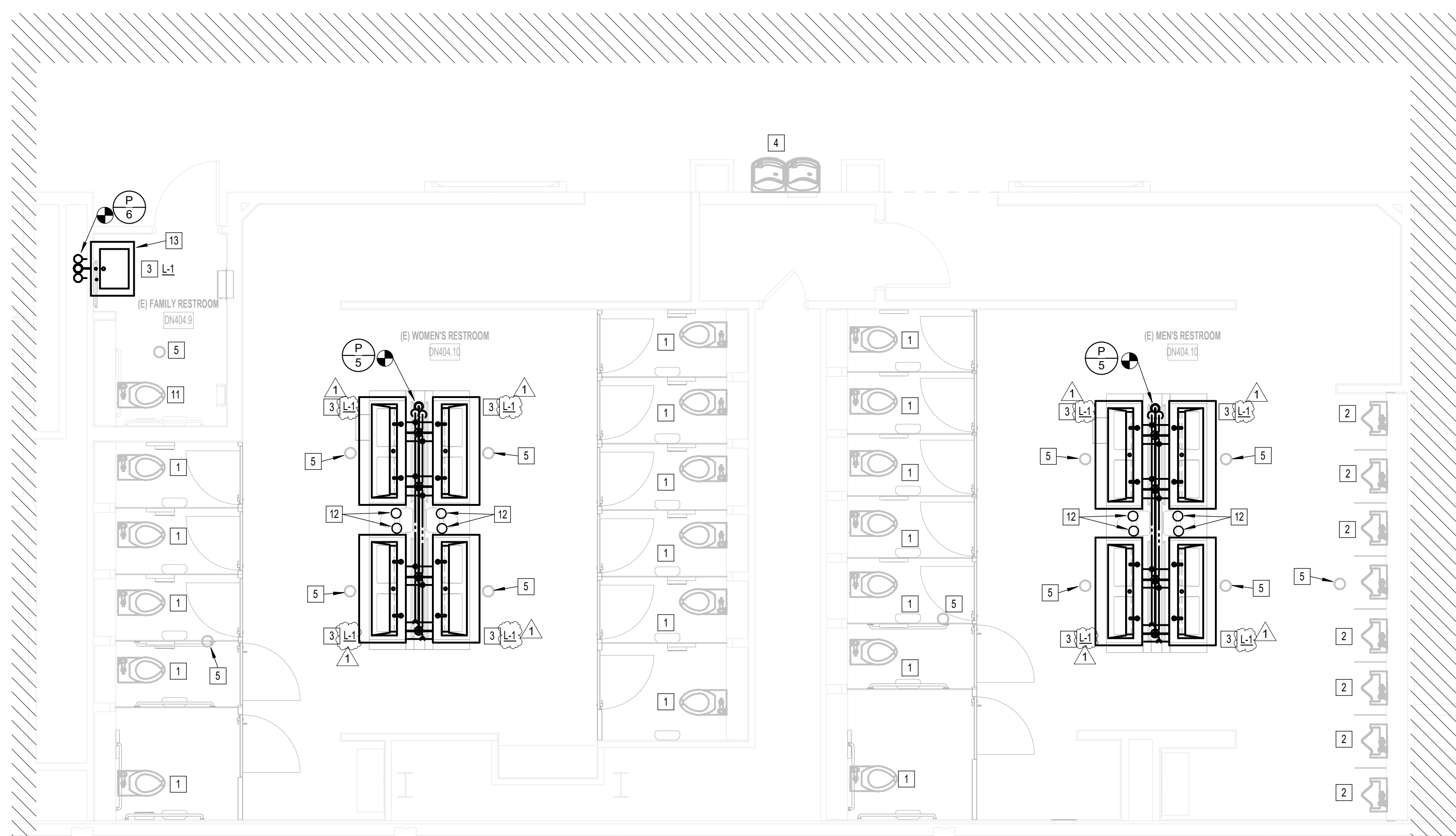
FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

HAS FILE:

A1 PLUMBING NURSERY RR GATE D15 AREA
1/4" = 1'-0"



B2 PLUMBING MEN & WOMEN'S RESTROOM GATE D16
1/4" = 1'-0"



GENERAL NOTE:
BUILDING TO BE 100%
SPRINKLERED, PER NFPA 13.

**TERMINAL D
PLUMBING GENERAL NOTES:**

1. LAVATORY FAUCET HOT WATER SUPPLY MUST BE WITHIN THE DISTANCE ALLOWED IN IECC, SECTION C404.5.1.
2. WATER CLOSETS, URINALS, AND FLUSH VALVES IN TERMINAL D SHALL BE REMOVED, STORED, AND RE-INSTALLED, EXCEPT FOR THE FAMILY RESTROOMS.
3. FAMILY RESTROOMS IN TERMINAL D ARE FULL RENOVATION. ALL PLUMBING FIXTURES SHALL BE REPLACED WITHIN THE FAMILY RESTROOMS.
4. CONTRACTOR SHALL PROVIDE SEWER SCOPE INSPECTION.

TERMINAL D PLAN KEYED NOTES

#	NOTE
1	RE-INSTALL EXISTING WATER CLOSET AND FLUSH VALVE. PROVIDE NEW CARRIER, TRIM, ETC. ROUTE ALL NEW 4" SANITARY WASTE & VENT AND 1-1/2" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
2	RE-INSTALL EXISTING URINAL AND FLUSH VALVE. PROVIDE NEW CARRIER, TRIM, ETC. ROUTE ALL NEW 4" SANITARY WASTE & VENT AND 1-1/2" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
3	PROVIDE NEW LAVATORY, CARRIER, TRIM, ETC. ACCORDING TO SCHEDULE. ROUTE ALL NEW 2" SANITARY WASTE & VENT AND 3/4" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. PROVIDE NEW DOMESTIC HOT WATER RETURN LINE WITH RECIRCULATING PUMP. LAVATORY FAUCET HOT WATER SUPPLY MUST BE WITHIN THE DISTANCE ALLOWED IN IECC, SECTION C404.5.1.
4	EXISTING DRINKING FOUNTAIN TO REMAIN.
5	EXISTING FLOOR DRAIN TO REMAIN.
6	CONNECT NEW 4" SAN WASTE AND VENT TO EXISTING SAN WASTE AND VENT RISERS. PROVIDE NEW CLEANOUT FOR SAN WASTE RISER. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
7	CONNECT NEW 1" DOW AND 1" DHW TO EXISTING DCW AND DHW RISERS. PROVIDE NEW DOMESTIC WATER ISOLATION SHUT-OFF VALVES WITHIN AN ACCESS PANEL. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
8	CONNECT NEW 3" SAN WASTE AND VENT TO EXISTING SAN WASTE AND VENT RISERS. PROVIDE NEW CLEANOUT FOR SAN WASTE RISER. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
9	CONNECT NEW 1" DOW AND 3/4" DHW TO EXISTING DCW AND DHW RISERS. PROVIDE NEW DOMESTIC WATER ISOLATION SHUT-OFF VALVES WITHIN AN ACCESS PANEL. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
10	CONNECT NEW 3/4" DOW, 3/4" DHW, 2" VENT, AND 2" SAN WASTE TO EXISTING DCW, DHW, SAN WASTE & VENT RISERS. PROVIDE NEW CLEANOUT FOR SAN WASTE RISER AND DOMESTIC WATER ISOLATION SHUT-OFF VALVES WITHIN AN ACCESS PANEL. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
11	PROVIDE NEW WATER CLOSET, CARRIER, FLUSH VALVE, TRIM, ETC. ACCORDING TO SCHEDULE. ROUTE ALL NEW 4" SANITARY WASTE & VENT AND 1-1/2" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED.
12	PROVIDE 3 GALLON SOAP DISPENSER RESERVOIRS AT THIS LOCATION. REFER TO DIAGRAM ON P301.
13	PROVIDE 1.6 GALLON SOAP DISPENSER RESERVOIR UNDER LAVATORY.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitlorn Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: _____ JE
DRAWN BY: _____ JE
CHECKED BY: _____ JE
ISSUE DATE: 03.21.24
APPROVED BY: _____ JE
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING

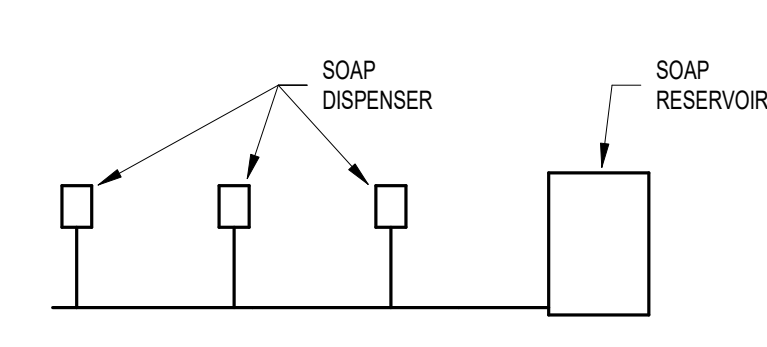
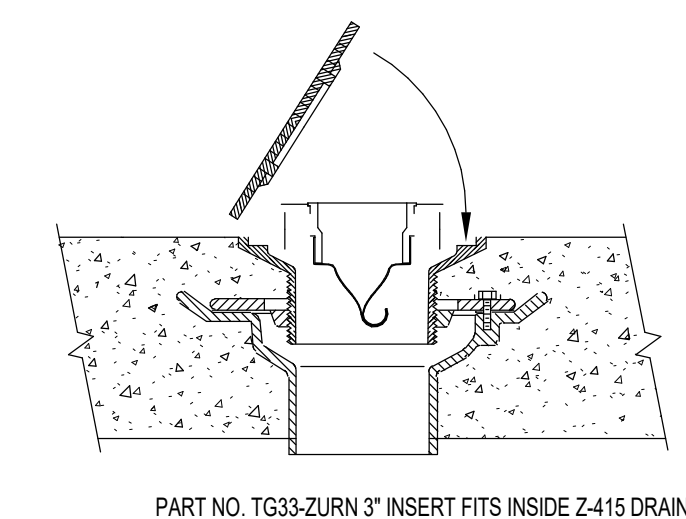
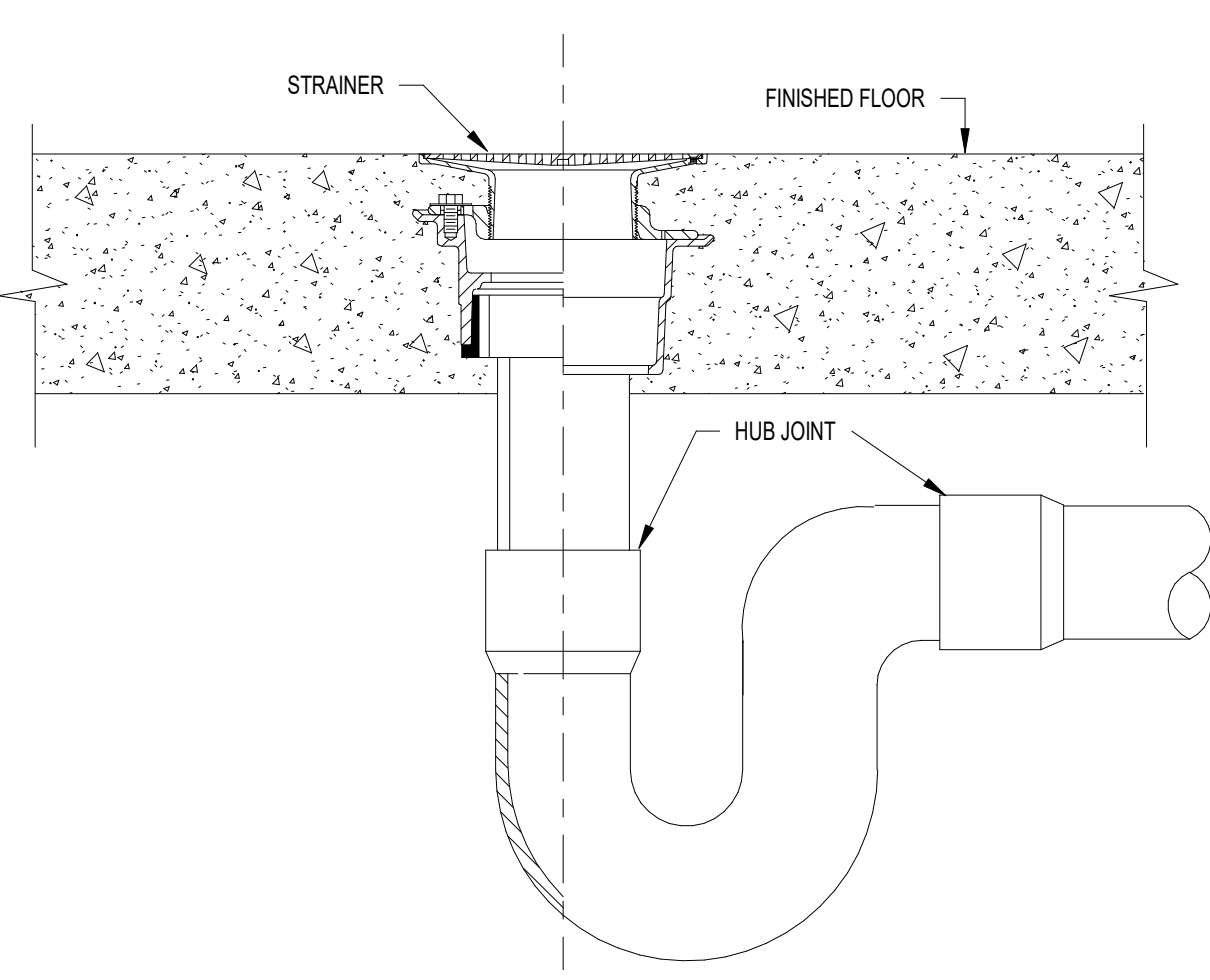
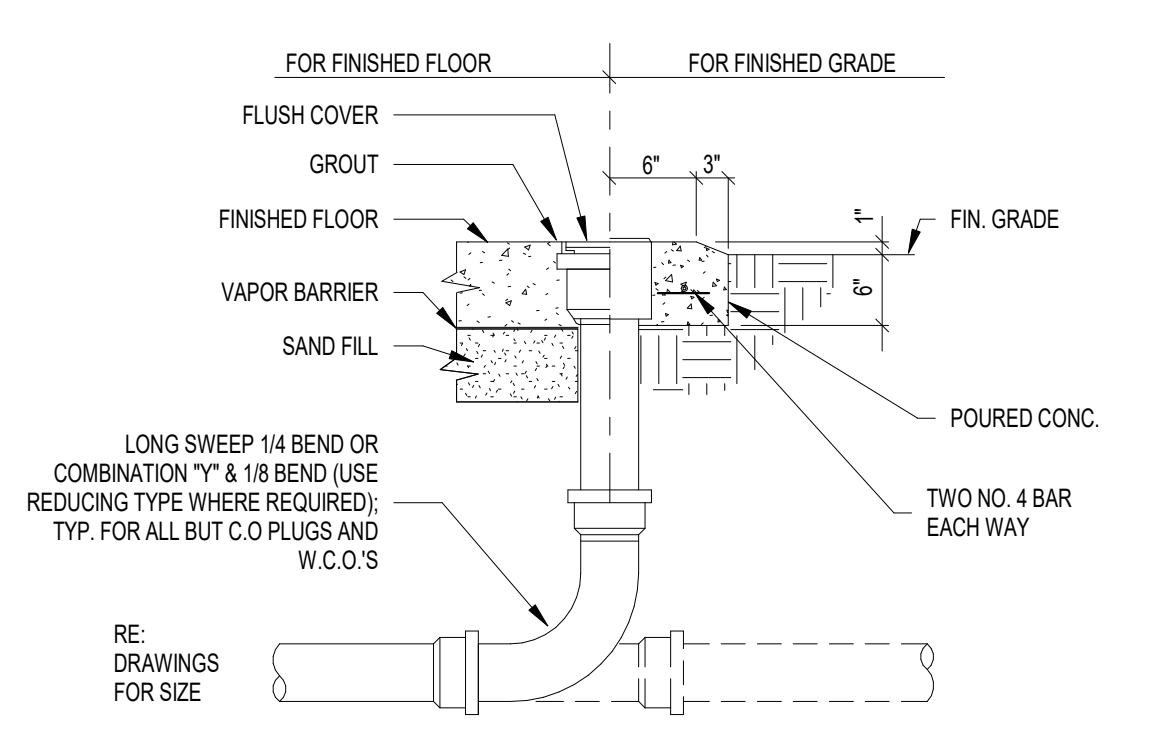
Professional Seal:
CURTIS JONES, JR.
P.E. 58428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME: PLUMBING ENLARGED RR PLANS - TERMINAL D
SHEET No. P-102 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

PLUMBING FIXTURE AND CONNECTION SCHEDULE								
MARK	FIXTURE	ROUGH-IN CONNECTION SIZE				MANUFACTURER	MODEL	DESCRIPTION AND NOTES
		C.W.	H.W.	VENT	WASTE			
L-1	LAVATORY					BRADLEY	OMINDECK	BASIN - BRADLEY OMINDECK SINK, EVERO CLASSIC GEO SERIES MYKONOS. FAUCET - WASHBAR WB1 U-SHAPED SENSOR FAUCET - BRUSHED STAINLESS STEEL, STANDARD 0.5GPM LAMINAR FLOW. PROVIDE WITH HARD-WIRED AC POWER SUPPLY. PROVIDE WITH WATTS #LFMMV, ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE. APPURTENANCES - KOHLER K-8968 P-TRAP WITH ADA TRAP PROTECTOR AND KOHLER K-7855-P SINK SUPPLY STOPS WITH FLEXIBLE LAVATORY SUPPLY AND SUPPLY STOP ADA PROTECTORS. ZURN Z8737 FLAT GRID SINK STRAINER, SINGLE-FEED SOAP SYSTEM.
L-2	LAVATORY					BRADLEY	TERREON	BASIN - BRADLEY TERREON, EVERO CLASSIC GEO SERIES MYKONOS. FAUCET - WASHBAR WB1 U-SHAPED SENSOR FAUCET - BRUSHED STAINLESS STEEL, STANDARD 0.5GPM LAMINAR FLOW. PROVIDE WITH HARD-WIRED AC POWER SUPPLY. PROVIDE WITH WATTS #LFMMV, ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE. APPURTENANCES - KOHLER K-8968 P-TRAP WITH ADA TRAP PROTECTOR AND KOHLER K-7855-P SINK SUPPLY STOPS WITH FLEXIBLE LAVATORY SUPPLY AND SUPPLY STOP ADA PROTECTORS. ZURN Z8737 FLAT GRID SINK STRAINER, MULTIPLE-FEED SOAP SYSTEM.
U-1	URINAL (ADA)	1-1/2"	2"	4"	TOTO		U7104EV	COTTON WHITE, VITREOUS CHINA, UNIVERSAL HIGH EFFICIENCY, LOW CONSUMPTION (0.5 GPF), ELONGATED 14" FLUSHING RIM FROM FINISH WALL, WASHOUT FLUSH ACTION VALVE URINAL MOUNTED AT ADA HEIGHT. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITH WALK-IN CHASE, TOTO TEZULA SATIN FINISH. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE, TOTO TEZULA SATIN FINISH.
U-2	URINAL	1-1/2"	2"	4"	TOTO		U7104EV	COTTON WHITE, VITREOUS CHINA, UNIVERSAL HIGH EFFICIENCY, LOW CONSUMPTION (0.5 GPF), ELONGATED 14" FLUSHING RIM FROM FINISH WALL, WASHOUT FLUSH ACTION VALVE URINAL. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITH WALK-IN CHASE, TOTO TEZULA SATIN FINISH. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE, TOTO TEZULA SATIN FINISH.
WC-1	WATER CLOSET (ADA)	1-1/2"	2"	4"	TOTO		CT708VG	BOWL, WALL HUNG, WHITE VITREOUS CHINA, TOP-SPUD FLUSHOMETER VALVE, HIGH-EFFICIENCY, LOW CONSUMPTION 1.28 GPF TOILET WITH ELONGATED BOWL, CONDENSATION CHANNEL, CONCEALED DESIGN AND FULLY GLAZED TRAPWAY, ANTIMICROBIAL SURFACE, DIRECT-FED SIPHON JET ACTION AND TESTED TO SUPPORT STATIC WEIGHT LOAD OF 1,000 POUNDS, MOUNTED AT ADA HEIGHT. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITH WALK-IN CHASE, TOTO TEZULA SATIN FINISH. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE, TOTO TEZULA SATIN FINISH. SEAT, OPEN FRONT, LESS COVER, ELONGATED, HEAVY-DUTY, INJECTION MOLDED SOLID PLASTIC TOILET SEAT WITH FOUR MOLDED-IN BUMPERS, NON-SELF-SUSTAINING CHECK HINGES WITH NON-CORROSIVE 300 SERIES STAINLESS STEEL POSTS AND PINTLES, COMPLYING WITH (APM)ANSI Z124.5-2013, TOTO SC34.
WC-2	WATER CLOSET	1-1/2"	2"	4"	TOTO		CT708VG	BOWL, WALL HUNG, WHITE VITREOUS CHINA, TOP-SPUD FLUSHOMETER VALVE, HIGH-EFFICIENCY, LOW CONSUMPTION 1.28 GPF TOILET WITH ELONGATED BOWL, CONDENSATION CHANNEL, CONCEALED DESIGN AND FULLY GLAZED TRAPWAY, ANTIMICROBIAL SURFACE, DIRECT-FED SIPHON JET ACTION AND TESTED TO SUPPORT STATIC WEIGHT LOAD OF 1,000 POUNDS. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITH WALK-IN CHASE, TOTO TEZULA SATIN FINISH. WALL-MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE, TOTO TEZULA SATIN FINISH. SEAT, OPEN FRONT, LESS COVER, ELONGATED, HEAVY-DUTY, INJECTION MOLDED SOLID PLASTIC TOILET SEAT WITH FOUR MOLDED-IN BUMPERS, NON-SELF-SUSTAINING CHECK HINGES WITH NON-CORROSIVE 300 SERIES STAINLESS STEEL POSTS AND PINTLES, COMPLYING WITH (APM)ANSI Z124.5-2013, TOTO SC34.

PLUMBING DRAIN SCHEDULE								
MARK	FIXTURE	ROUGH-IN CONNECTION SIZE				MANUFACTURER	MODEL	DESCRIPTION AND NOTES
		C.W.	H.W.	VENT	WASTE			
4 FD-1	FLOOR DRAIN					ZURN	Z415	FLOOR DRAIN W/ TYPE 'B' STRAINER.

PLUMBING PIPE MATERIALS	
SYSTEM:	SERVICE:
WATER PIPE, ABOVE GRADE	TYPE '1' COPPER
SANITARY SEWER, ABOVE GRADE	CAST IRON
FIRE SPRINKLER LINE, INSIDE	BLACK STEEL

 <p>A1 SOAP DISPENSER DETAIL NOT TO SCALE</p>	 <p>B1 TRAP GUARD INSERT DETAIL NOT TO SCALE</p> <p>IMPORTANT NOTES:</p> <ol style="list-style-type: none"> THIS TRAP GUARD INSERT CAN BE INSTALLED INTO ANY ZURN #415 DRAIN TOPS TO PREVENT SEWER GAS EMISSION. THE EXTRA WIDE FLANGE NEEDS TO HAVE AN ADHESIVE TYPE CAULK INSTALLED AROUND THE BOTTOM EDGE. MOST Z415 TAILPIECES HAVE 4 PROTRUSIONS INSIDE THE 3-1/2" OPENING SO THE SEAL MUST BE MADE AROUND THE EDGE OF THE TG FLANGE. MAKE SURE INSIDE OF TAILPIECE IS CLEAN. <p>IF THE TRAP GUARD DEVICE SHOULD GET DAMAGED OR IMPAIRED IN ANY WAY, THE DEVICE CAN BE EASILY REMOVED BY USING A SHARP SCREW DRIVER UNDER THE FLANGE.</p> <p>NOTE: CARE SHOULD BE TAKEN NOT TO TOUCH THE ELASTOMERIC FLEXIBLE MATERIAL WITH THE PRIMER.</p> <p>NO FIRE RATINGS ARE REQUIRED FOR UNDERGROUND PIPING OR OPENINGS</p>	 <p>C1 DETAIL - TYPICAL FLOOR DRAIN NOT TO SCALE</p>	 <p>D1 DETAIL - TYPICAL CLEANOUT NOT TO SCALE</p>
---	--	--	---

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS		
No.	DESCRIPTION	DATE BY
1	IFP - cycle 1 / Addendum 1	04.30.24 JE

DESIGN BY: _____ JE
DRAWN BY: _____ JE
CHECKED BY: _____ JE
ISSUE DATE: 03.21.24
APPROVED BY: _____ JE
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

Review/Approval Category: **IFB** ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 56828

SHEET NAME: PLUMBING SCHEDULES & DETAILS
SHEET No. P-301 SCALE: As indicated

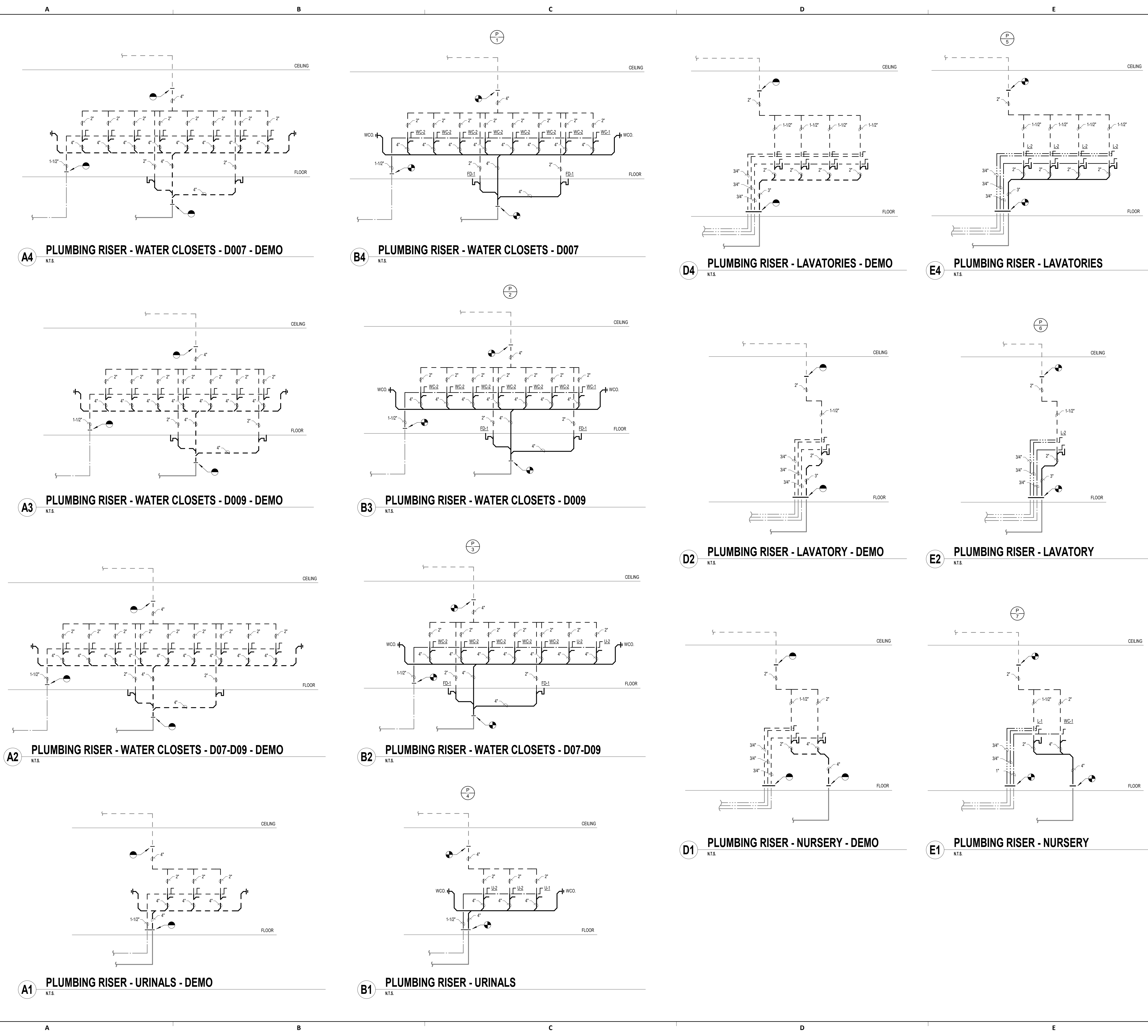
SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360://1429.12 Terminal D Restrooms/4780_MEP20.rvt
 HAS FILE:
 PLOT DATE:
 OLD DDA No.:
 DOA DWG FILE:
 PLOT DATE:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/4780_MEP20.rvt

HAS FILE:



A4 PLUMBING RISER - WATER CLOSETS - D007 - DEMO
N.T.S.

B4 PLUMBING RISER - WATER CLOSETS - D007
N.T.S.

D4 PLUMBING RISER - LAVATORIES - DEMO
N.T.S.

E4 PLUMBING RISER - LAVATORIES
N.T.S.

A3 PLUMBING RISER - WATER CLOSETS - D009 - DEMO
N.T.S.

B3 PLUMBING RISER - WATER CLOSETS - D009
N.T.S.

D2 PLUMBING RISER - LAVATORY - DEMO
N.T.S.

E2 PLUMBING RISER - LAVATORY
N.T.S.

A2 PLUMBING RISER - WATER CLOSETS - D07-D09 - DEMO
N.T.S.

B2 PLUMBING RISER - WATER CLOSETS - D07-D09
N.T.S.

D1 PLUMBING RISER - NURSERY - DEMO
N.T.S.

E1 PLUMBING RISER - NURSERY
N.T.S.

A1 PLUMBING RISER - URINALS - DEMO
N.T.S.

B1 PLUMBING RISER - URINALS
N.T.S.

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. **2024-92-IAH** H.A.S. No. _____
TRP T.I.P. No. **24-86-IAH**

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

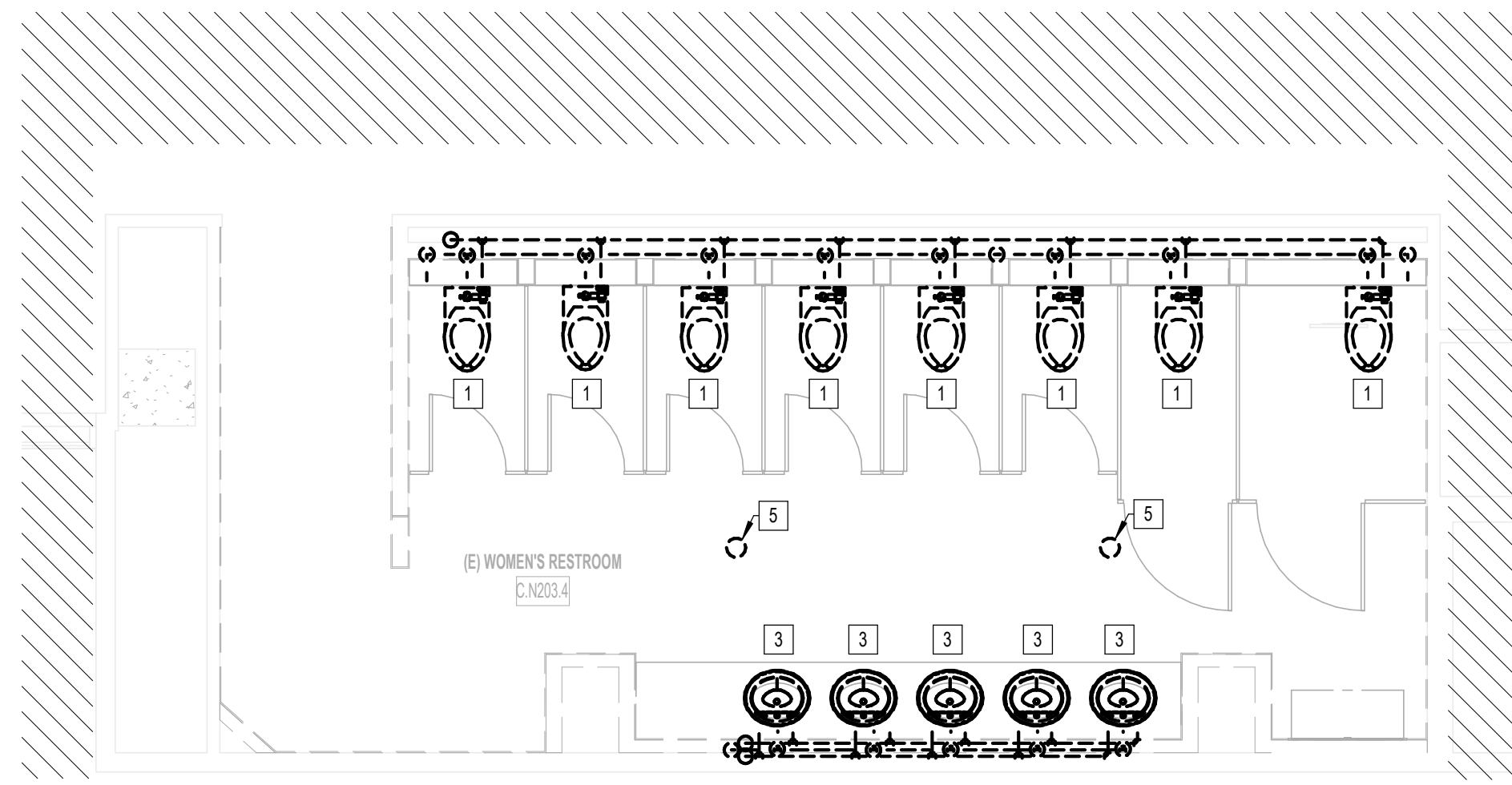
DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR of HOUSTON AIRPORT SYSTEM

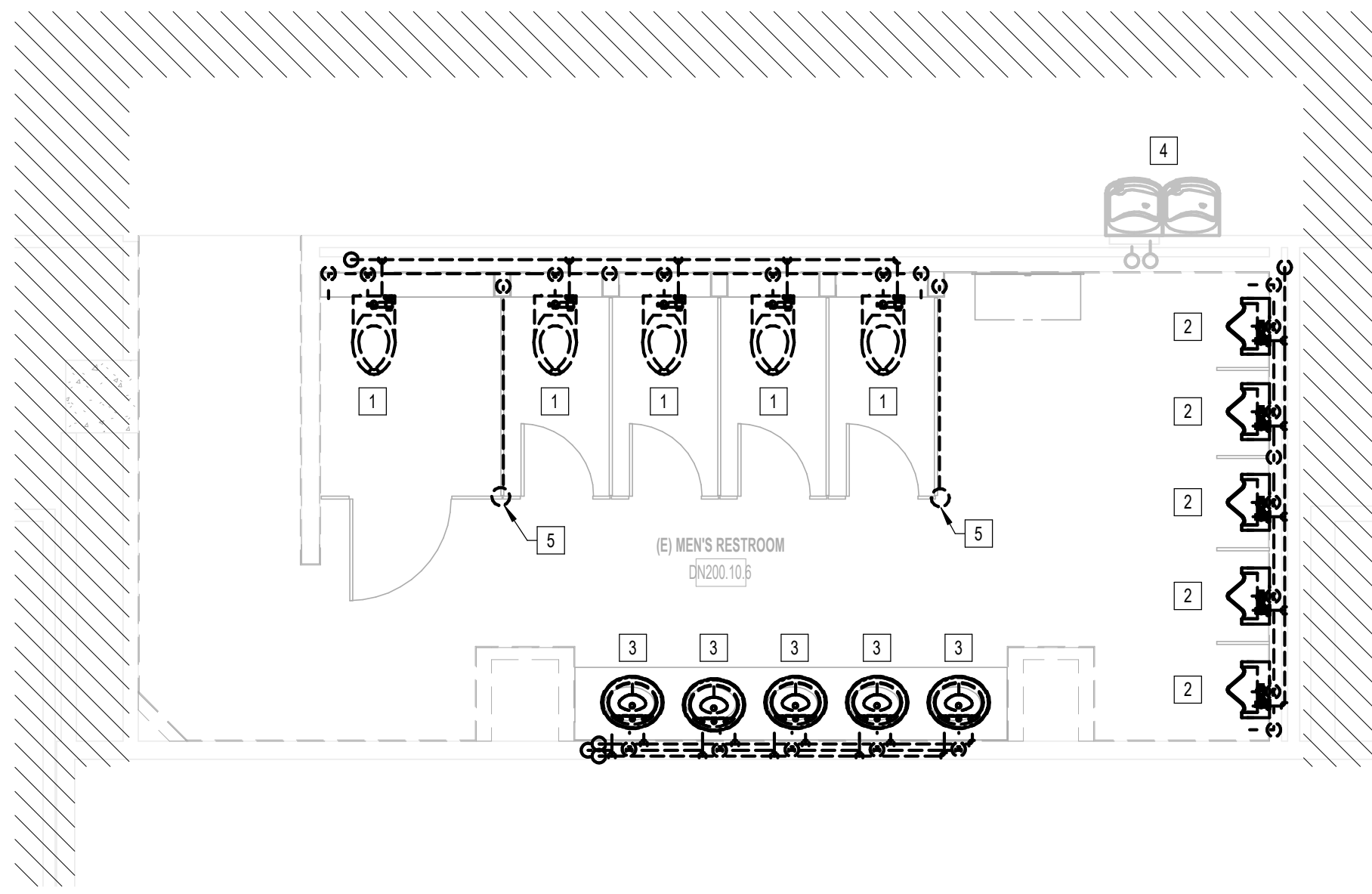
Review/Approval Category
IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 58428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 58428

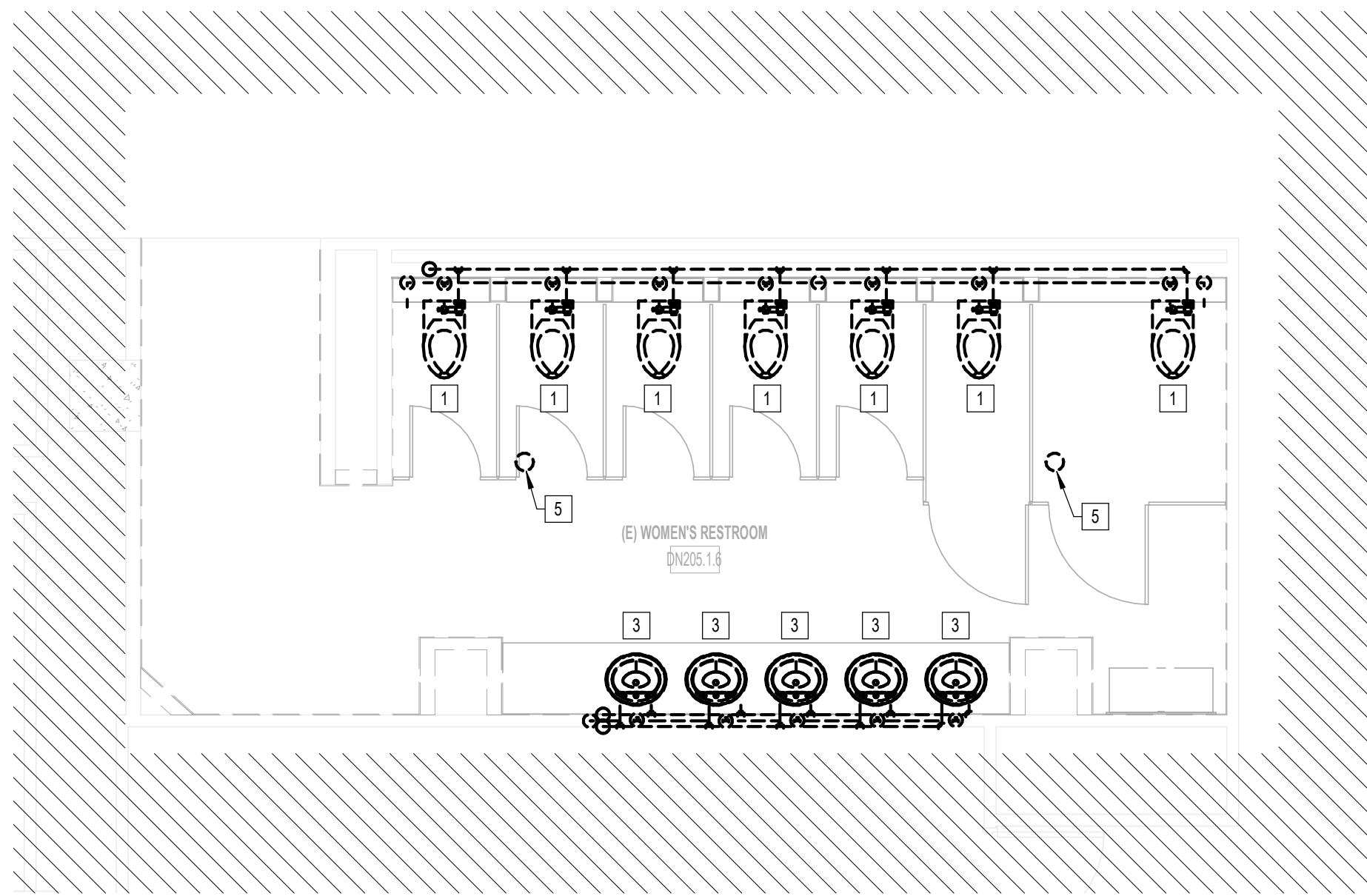
SHEET NAME: PLUMBING RISERS
SHEET No. P-302 SCALE: N.T.S.
SHEET SIZE: 30"x42" ARCH E1



A3 PLUMBING WOMEN'S RESTROOM GATE D07 AREA - DEMO
1/4" = 1'-0"



C3 PLUMBING MEN'S RESTROOM GATE D07-D09 AREA - DEMO
1/4" = 1'-0"



A2 PLUMBING WOMEN'S RESTROOM GATE D09 AREA - DEMO
1/4" = 1'-0"

GENERAL NOTE:
BUILDING TO BE 100%
SPRINKLERED, PER NFPA 13.

**CD CONNECTOR
PLUMBING GENERAL NOTES:**

1. LAVATORY FAUCET HOT WATER SUPPLY MUST BE WITHIN THE DISTANCE ALLOWED IN IECC, SECTION C404.1.
2. RESTROOMS IN CD CONNECTOR ARE FULL RENOVATION. ALL PLUMBING FIXTURES SHALL BE REPLACED WITH NEW.
3. CONTRACTOR SHALL PROVIDE SEWER SCOPE INSPECTION.

CD CONNECTOR DEMO PLAN KEYED NOTES

- | # | NOTE |
|---|--|
| 1 | DISCONNECT & REMOVE EXISTING WATER CLOSET INCLUDING, BUT NOT LIMITED TO: FIXTURE, FLUSH VALVE, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DCW AND DHW BACK TO VALVE LOCATED WITHIN THE CHASE. REMOVE AND CAP EXISTING SANITARY WASTE AND VENT BACK TO SLAB BELOW AND SLAB ABOVE. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. |
| 2 | DISCONNECT & REMOVE EXISTING URINAL INCLUDING, BUT NOT LIMITED TO: FIXTURE, FLUSH VALVE, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DCW AND DHW BACK TO VALVE LOCATED WITHIN THE CHASE. REMOVE AND CAP EXISTING SANITARY WASTE AND VENT BACK TO SLAB BELOW AND SLAB ABOVE. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. |
| 3 | DISCONNECT & REMOVE EXISTING LAVATORY INCLUDING, BUT NOT LIMITED TO: FIXTURE, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DCW AND DHW BACK TO VALVE LOCATED WITHIN THE CHASE. REMOVE AND CAP EXISTING SANITARY WASTE AND VENT BACK TO SLAB BELOW AND SLAB ABOVE. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. |
| 4 | DRINKING FOUNTAIN EXISTING TO REMAIN. |
| 5 | DISCONNECT & REMOVE EXISTING FLOOR DRAIN INCLUDING BUT NOT LIMITED TO: FIXTURE, P-TRAP, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW CUT FLOOR AS REQUIRED. REMOVE AND CAP EXISTING SANITARY WASTE AND VENT ASSOCIATED WITH FLOOR DRAIN. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. |

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, Texas 77032
TERMINAL D - RESTROOM RENOVATIONS

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
TRP T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS
800 Sampson St. #104
Houston, TX 77003
713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitton Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

Professional Seal:
CURTIS JONES, JR.
P.E. 56428
JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 56428

SHEET NAME:
PLUMBING ENLARGED DEMO PLANS - CD CONNECTOR
SHEET No. PD-101 SCALE: As indicated

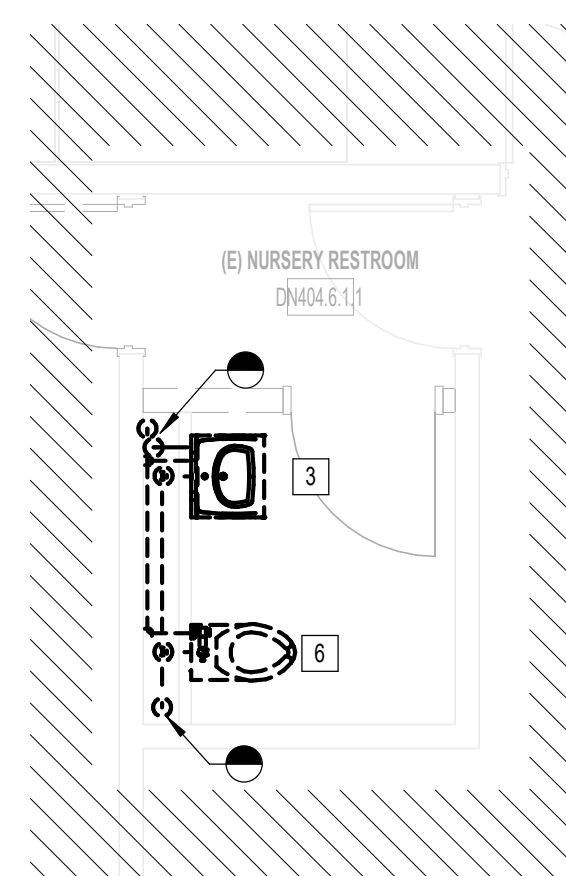
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

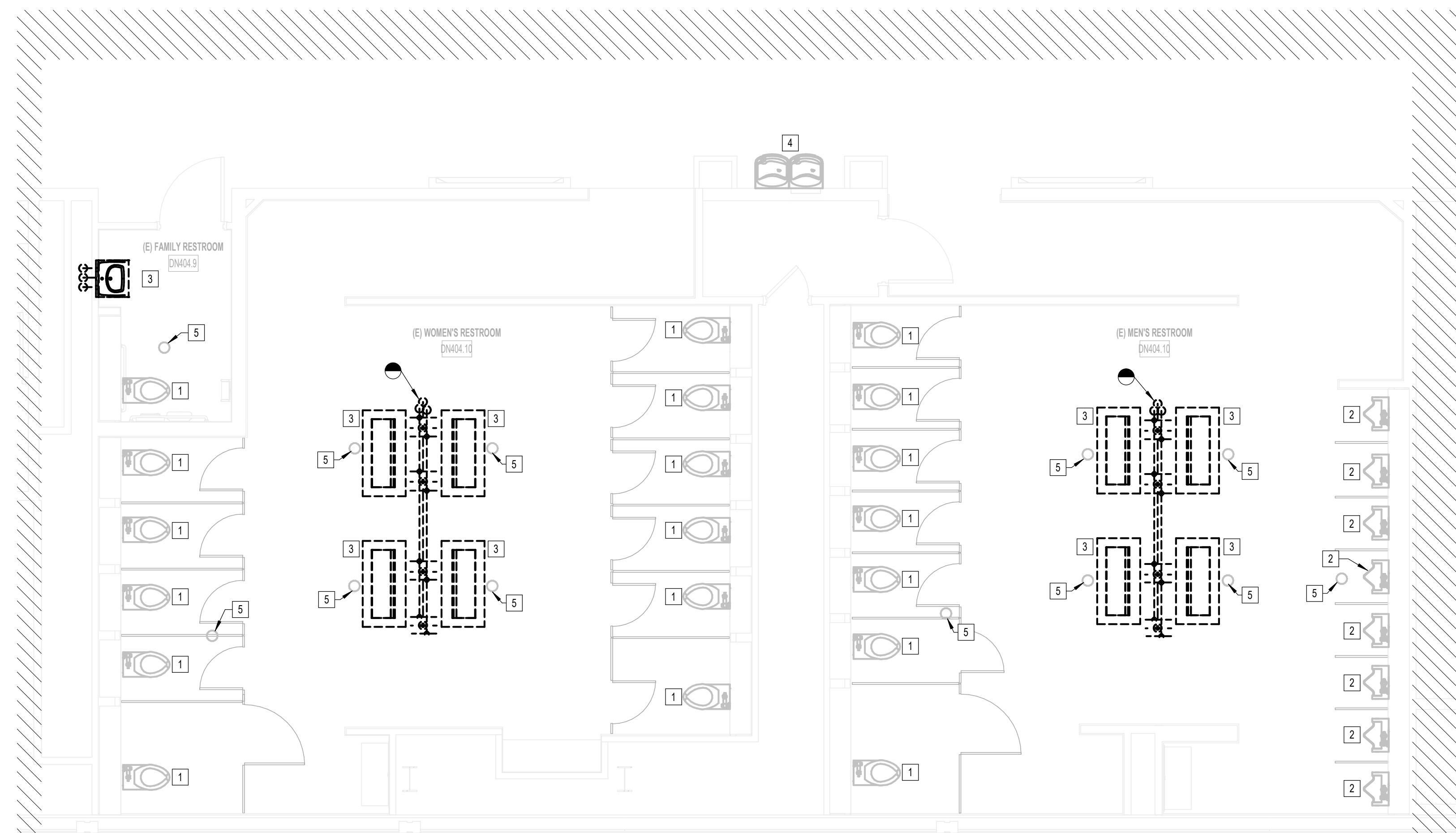
FILE PATH: BIM 360//1429.12 Terminal D Restrooms/4780_MEP20.rvt

HAS FILE:

A1 PLUMBING NURSERY RR GATE D15 AREA - DEMO
1/8" = 1'-0"



B2 PLUMBING MEN & WOMEN'S RR GATE D16 - DEMO
1/8" = 1'-0"



GENERAL NOTE:
BUILDING TO BE 100%
SPRINKLERED, PER NFPA 13.

**TERMINAL D
PLUMBING GENERAL NOTES:**

1. LAVATORY FAUCET HOT WATER SUPPLY MUST BE WITHIN THE DISTANCE ALLOWED IN IECC, SECTION C404.1.
2. WATER CLOSETS, URINALS, AND FLUSH VALVES IN TERMINAL D SHALL BE REMOVED, STORED, AND RE-INSTALLED, EXCEPT FOR THE FAMILY RESTROOMS.
3. FAMILY RESTROOMS IN TERMINAL D ARE FULL RENOVATION. ALL PLUMBING FIXTURES SHALL BE REPLACED WITHIN THE FAMILY RESTROOMS.
4. CONTRACTOR SHALL PROVIDE SEWER SCOPE INSPECTION.

TERMINAL D DEMO PLAN KEYED NOTES

#	NOTE
1	DISCONNECT, REMOVE, STORE, & RE-INSTALL EXISTING WATER CLOSET AND FLUSH VALVE. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD.
2	DISCONNECT, REMOVE, STORE, & RE-INSTALL EXISTING URINAL AND FLUSH VALVE. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD.
3	DISCONNECT & REMOVE EXISTING LAVATORY INCLUDING, BUT NOT LIMITED TO: FIXTURE, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW OUT FLOOR AS REQUIRED. REMOVE EXISTING DOW AND DRW BACK TO VALVE LOCATED WITHIN THE CHASE. REMOVE AND CAP EXISTING SANITARY WASTE AND VENT BACK TO SLAB BELOW AND SLAB ABOVE. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD.
4	EXISTING DRAWING FOUNTAIN TO REMAIN.
5	EXISTING FLOOR DRAIN TO REMAIN.
6	DISCONNECT & REMOVE EXISTING WATER CLOSET INCLUDING, BUT NOT LIMITED TO: FIXTURE, FLUSH VALVE, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW OUT FLOOR AS REQUIRED. REMOVE EXISTING DOW AND DRW BACK TO VALVE LOCATED WITHIN THE CHASE. REMOVE AND CAP EXISTING SANITARY WASTE AND VENT BACK TO SLAB BELOW AND SLAB ABOVE. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD.



3701 North Terminal Road
Houston, Texas 77032
**TERMINAL D - RESTROOM
RENOVATIONS**

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
TRP T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.
Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitson Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

**HENDERSON
ROGERS**
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	JE

DESIGN BY: JE
DRAWN BY: JE
CHECKED BY: JE
ISSUE DATE: 03.21.24
APPROVED BY: JE
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4780
04/30/2024
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 65842B

SHEET NAME:
PLUMBING ENLARGED DEMO PLANS -
TERMINAL D
SHEET No. PD-102 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/[1429.12 Terminal D Restrooms/2021.010 - RDLR (IAH TERMINAL D RESTROOMS)_acruanaU75V.k.rvt
HAS FILE:

TECHNOLOGY GENERAL NOTES

- FOLLOW TELECOM STANDARDS AND PRACTICES. SEE DIVISION 27 SPECIFICATIONS AND T DRAWINGS.
- REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER (RCDD) SUPERVISOR SHALL REVIEW, APPROVE AND STAMP ALL SHOP DRAWINGS. COORDINATE DRAWINGS AND RECORD DRAWINGS.
- ALL WALL PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE STOPPING.
- REFER TO THE ELECTRICAL FLOOR PLAN DRAWINGS FOR ADDITIONAL ROUGH-IN REQUIREMENTS. WHERE THERE ARE DRAWING DISCREPANCIES, THE CONTRACTOR SHALL INSTALL THE GREATER QUANTITY OF DEVICES.
- REFER TO THE SITE PLAN ON AND RISER DIAGRAM FOR TELECOMMUNICATION BACKBONE CONDUITS/CABLES. FIELD COORDINATE EXACT ROUTING WITH OTHER TRADES.
- ALL COMMUNICATIONS EQUIPMENT SHOWN SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.
- BOND ALL COMMUNICATIONS CABINETS, RELAY RACKS, CABLE TRAYS, AND OTHER METALLIC SUPPORTING DEVICES TO TELECOMMUNICATIONS GROUND BUSBAR INSIDE COMMUNICATIONS ROOM. BOND WITH A #6 GROUND CONDUCTOR.
- ALL HORIZONTAL VOICE AND DATA CABLES SHALL BE DISTRIBUTED VIA MINIMUM 1" CONDUIT AND/OR CABLE TRAY. NO EXCEPTIONS.
- SINGLE LINE DIAGRAMS, SCHEMATICS, DETAILS AND CONDUIT PATHS SHOWN HEREIN ARE CONCEPTUAL AND ILLUSTRATE ONLY THE FUNCTIONAL RELATIONSHIPS BETWEEN COMPONENTS OF THE SYSTEM. ACCORDINGLY, FULL SHOP DRAWING DEVELOPMENT IS REQUIRED TO REALIZE THE SPECIFIED FUNCTIONS.
- DEVICE LOCATIONS ON PLANS ARE CONCEPTUAL. LOCATE AS SITE CONDITIONS REQUIRE AND AS APPROVED BY GC.
- REFER TO THE BID SPECIFICATION FOR ADDITIONAL REQUIREMENTS REGARDING THIS WORK.
- PAINTING, PATCHING AND FINISHES FOR DEVICES LOCATED IN EXISTING AREAS SHALL MATCH EXISTING FINISHES AS APPROVED BY GC.
- FINISHES OF DEVICES IN NEW/REMODEL AREAS SHALL BE APPROVED BY GC.
- WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS FURNISHED BY GC. WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- IN SOME INSTANCES THE IDF MAY BE OVER 90 METERS FROM THE IP DEVICE DUE TO LEGACY DESIGN STANDARDS WHEN THE BUILDING WAS CONSTRUCTED. IF TESTED CABLE DOES NOT PASS CERTIFICATION, CONTRACTOR MUST USE MIDSPAN EXTENDER INSTALLED INSIDE OF ENCLOSURE. REFERENCE DETAIL SHEETS FOR INSTALLATION DIAGRAM.

TECHNOLOGY ABBREVIATIONS

(E)	EXISTING		
GC	GENERAL CONTRACTOR		
LEC	LOCAL EXCHANGE CARRIER		
MMF	MULTIMODE FIBER		
(N)	NEW		
NIC	NOT IN CONTRACT		
PR	PAIR AS IN COPPER PAIR (CATEGORY 5)		
R	RADIUS		
SMF	SINGLE MODE FIBER		
STP	SHIELDED TWISTED PAIR, 22 AWG		
UTP	UNSHIELDED TWISTED PAIR		

REFERENCE SPECIFICATIONS

- 270526 - TELECOMMUNICATIONS GROUNDING AND BONDING
- 270528 - INTERIOR COMMUNICATION PATHWAYS
- 270543 - EXTERIOR COMMUNICATION PATHWAYS
- 270553 - IDENTIFICATION AND LABELING OF COMMUNICATION INFRASTRUCTURE
- 271045 - RESTROOM MONITORING SYSTEM
- 271100 - COMMUNICATIONS CABINETS AND EQUIPMENT ROOMS
- 271500 - HORIZONTAL MEDIA INFRASTRUCTURE
- 272100 - DATA COMMUNICATION NETWORK EQUIPMENT
- 272200 - LAPTOP, AND SERVERS EQUIPMENT
- 275113 - AUDIO COMMUNICATION SYSTEM
- SPECIFICATION CAN BE DOWNLOADED AT <https://www.fly2houston.com/biz/resources/building-standards-and-permits>

SHEET INDEX

SHEET NO.	DESCRIPTION
T-001	TECHNOLOGY - ABBREVIATIONS & SYMBOLS
T-100	TECHNOLOGY - SITE PLAN
T-101	TECHNOLOGY - ENLARGED RR FLOOR PLANS - CD CONNECTOR
T-102	TECHNOLOGY - ENLARGED RR FLOOR PLANS - TERMINAL D
T-401	TECHNOLOGY - ENLARGED PLAN - IDF CNE 173
T-402	TECHNOLOGY - ENLARGED PLAN - IDF 421
T-500	TECHNOLOGY - EQUIPMENT DETAILS
T-600	TECHNOLOGY - EQUIPMENT SCHEDULES

TECHNOLOGY EQUIPMENT SYMBOLS LIST

SYMBOL	DESCRIPTION
HDMI-R	HDMI RECEIVER
HDMI-T	HDMI TRANSMITTER
FOPP	FIBER OPTIC PATCH PANEL
FOT	FIBER OPTIC TRANSMITTER
FOR	FIBER OPTIC RECEIVER
CPP	COPPER PATCH PANEL
CP	CURTESY PHONE
HH	HAND HOLE
MATV	MAINTENANCE HOLE
MH	MAINTENANCE HOLE
NS _O	NETWORK SWITCH (OWNER)
NS _T	NETWORK SWITCH (TENANT)
PB	PULL BOX
P	OSP COPPER PROTECTOR
X	X-CAT6 TERMINATION JACK WHERE X REPRESENTS QUANTITY OF CAT6 CABLES. FIELD COORDINATE EXACT PLACEMENT WITH OTHER TRADE.
4	EXAMPLE: 4-CAT6 WITH 4-PORT WALL PLATE, 15" A.F.F.
X	CAT 6 TERMINATION JACK, X=CONFIGURATION, Y=QTY OF CAT 6 CABLES. PROVIDE PATCH CORD FOR EACH CONNECTED PORT.
TV	TV OUTLET (1 RG-6 CABLE)
AV	HDMI WITH 2 AUDIO JACKS. INCLUDE PLENUM HDMI AND 2 AUDIO CABLE FROM JACK TO AV SOURCE WITHIN ROOM.
W	1 CAT 6 WITH PLATE FOR WALL MOUNTED PHONE, 45" A.F.F.
B	BLANK WALL PLATE
X	X CAT 6 CABLE (FLOOR OUTLET)
WAP	WIRELESS ACCESS POINT, 2 CAT 6A CABLES
AW	ALL WEATHER OUTDOOR PHONE, 1 CAT 6

TECHNOLOGY EQUIPMENT SYMBOLS LIST

SYMBOL	DESCRIPTION
○	CONDUIT TURNING UP
●	CONDUIT TURNING DOWN
┌	TERMINATING CONDUIT. PROVIDE GROUND LUG AND INSULATED THROAT BUSHING.
—	EXPOSED CONDUIT
----	CONCEALED CONDUIT
----	ARIEL CABLE
BTP	BLUETOOTH BEACON PUCK
EX	ETHERNET EXTENDER
FPC	FLIGHT INFORMATION DISPLAY PC
FPD	FLAT PANEL DISPLAY
HCM	HORIZONTAL CABLE MANAGEMENT
JB	JUNCTION BOX
MPC	MINIATURE COMPUTER
DOL	BATHROOM STALL OCCUPANCY SENSOR LIGHT
PCR	PASSENGER COUNTER REMOTE
PCS	PASSENGER COUNTER SENSOR
REC	REMOTE EQUIPMENT ENCLOSURE
SP1	AV SPEAKER TYPE 1, MODEL JBL CONTROL 24CT
SP2	AV SPEAKER TYPE 2
OSG	BATHROOM STALL OCCUPANCY SENSOR GATEWAY
TP1	TOUCH PANEL

HOUSTON AIRPORTS
3701 North Terminal Road
Houston, TX 77032
TERMINAL D RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. 2024-92-IAH H.A.S. No. _____
TRP T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

PGA ENGINEERS, INC.
3838 N. Sam Houston Pkwy, Ste. 550
Houston, TX 77032
346.570.2418
pgae.com
TBP# FRM #12493

DESIGNER PROJECT No.: _____
PROJECT STATUS: _____ IFB

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 /Addendum 1	04.30.24	PGA

DESIGN BY: _____ PGA
DRAWN BY: _____ AC
CHECKED BY: _____ JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

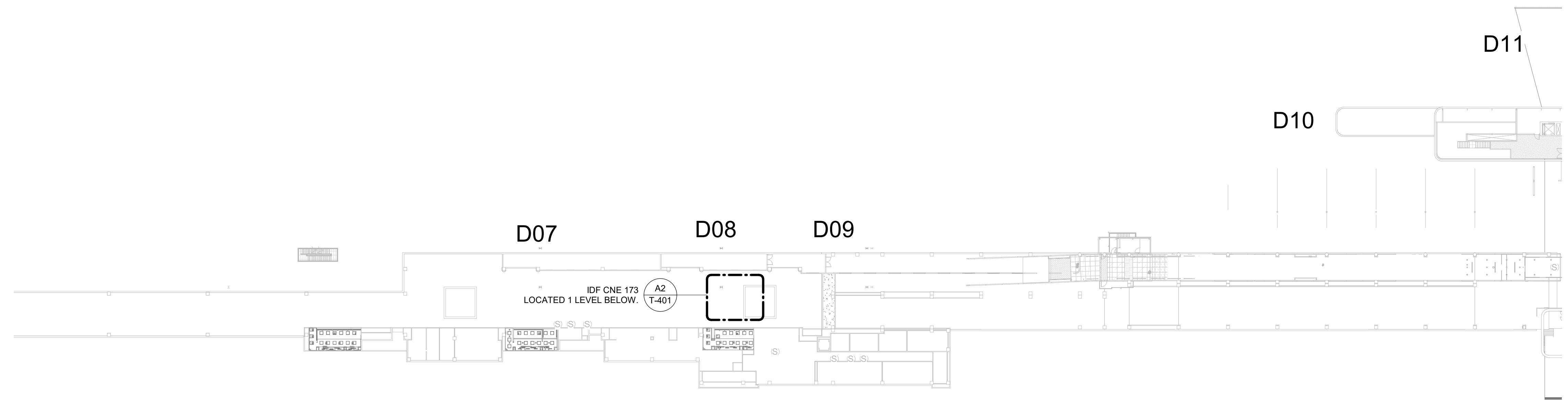
STATE OF TEXAS
LICENSED PROFESSIONAL ENGINEER
JOHN GRUENWALD
100039
04.30.24

SHEET NAME: TECHNOLOGY - ABBREVIATIONS & SYMBOLS
SHEET No. T-001 SCALE: _____
SHEET SIZE: 30"x42" ARCH E1

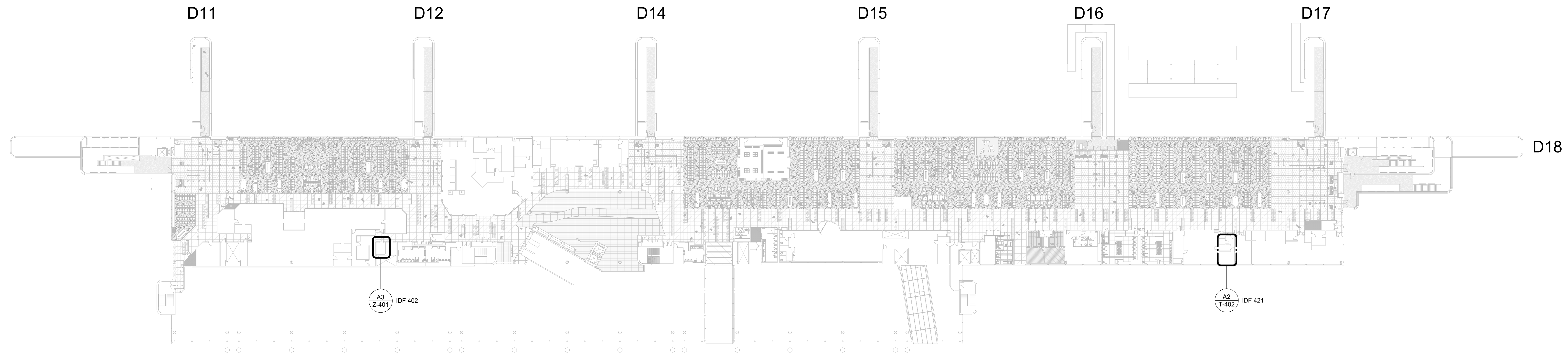
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/[1429.12 Terminal D Restrooms/2021.010 - RDLR (IAH TERMINAL D RESTROOMS)_acuranaU75V.K.rvt
HAS FILE:

A3 CD DEPARTURES LEVEL - SITE PLAN
SCALE: 1" = 40'-0"



A1 TERMINAL D DEPARTURES LEVEL - SITE PLAN
SCALE: 1" = 40'-0"



GENERAL NOTES

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
2. COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
3. IDF LOCATIONS PICTURED BELOW.



3701 North Terminal Road
Houston, TX 77032
**TERMINAL D RESTROOM
RENOVATIONS**

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
TRP T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com



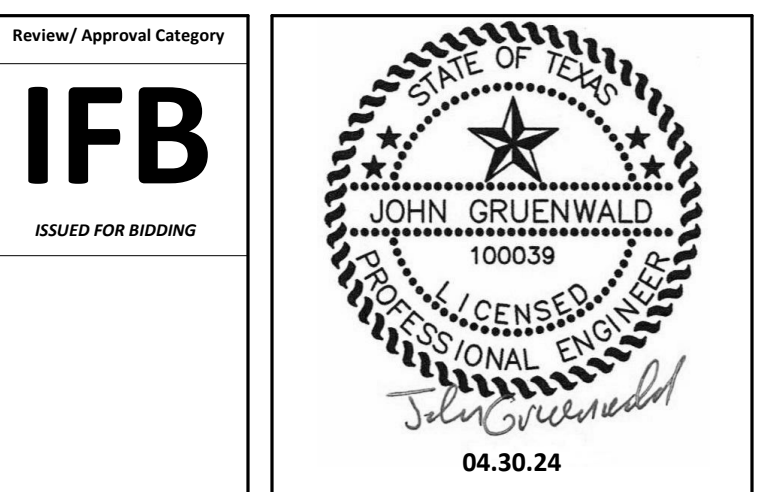
DESIGNER PROJECT No.:
PROJECT STATUS: IFB

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 /Addendum 1	04.30.24	PGA

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

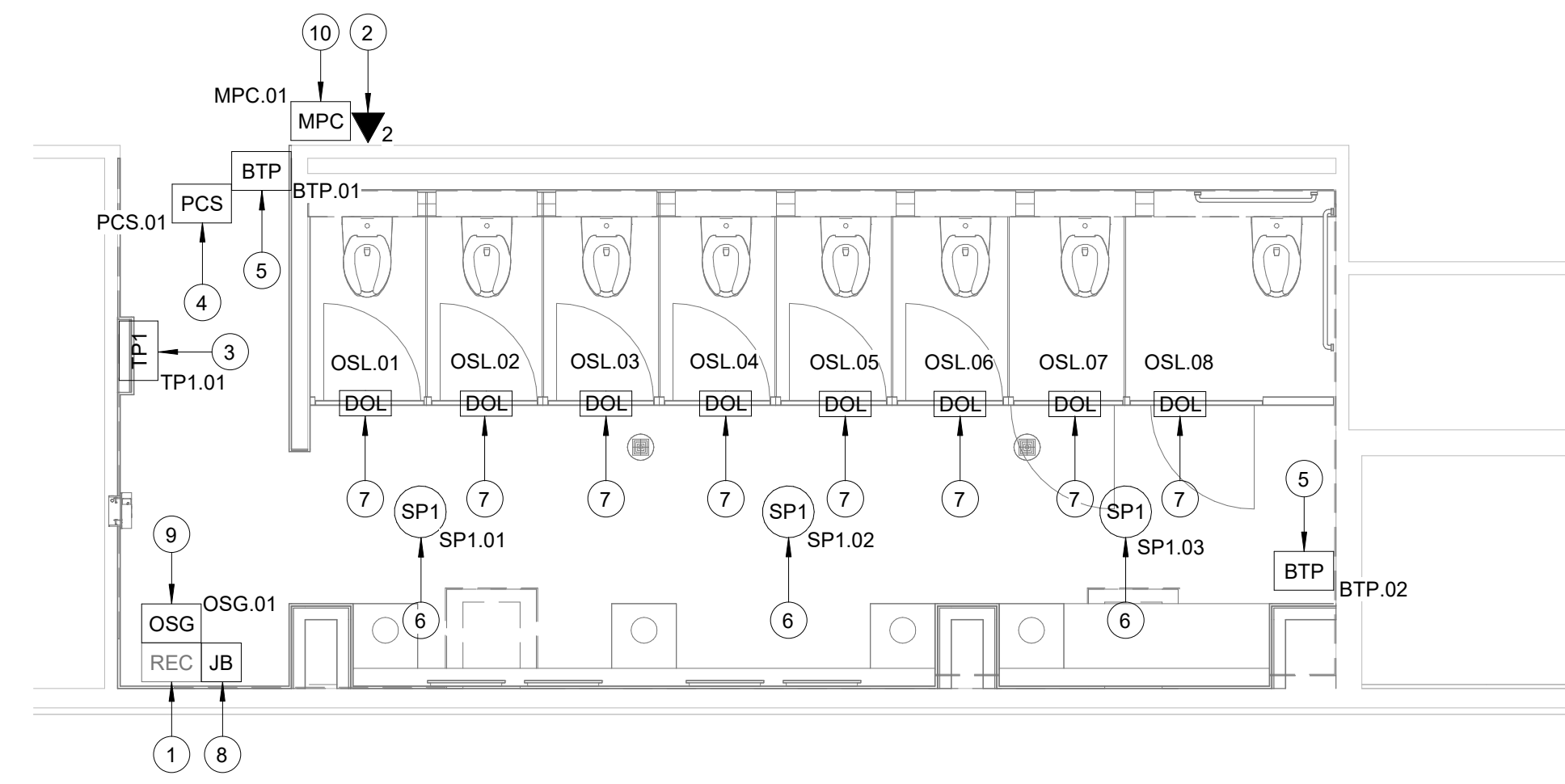


SHEET NAME: TECHNOLOGY - SITE PLAN
SHEET No. T-100 SCALE: 1" = 40'-0"
SHEET SIZE: 30"x42" ARCH E1

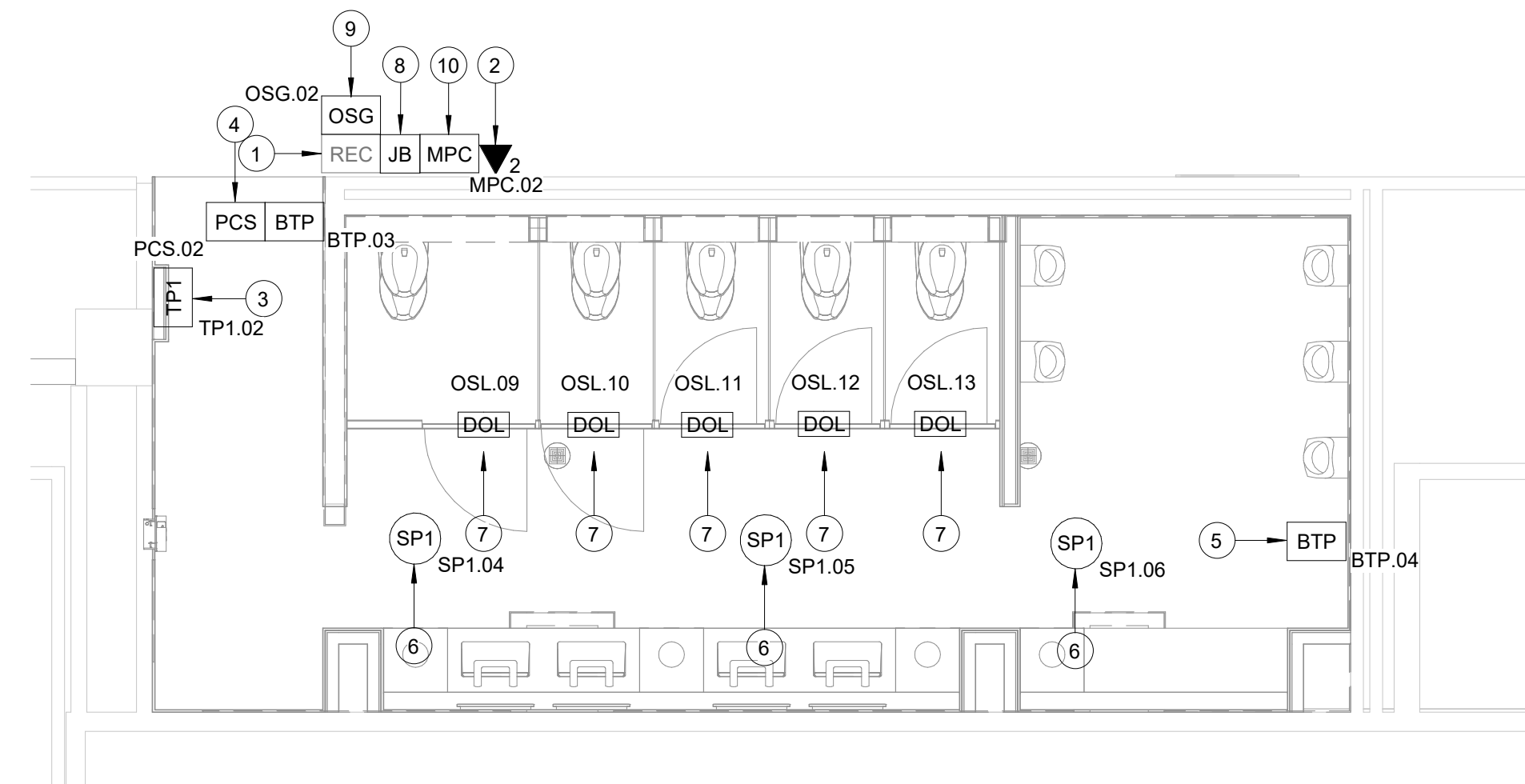
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/2021.010 - RDLR (IAH TERMINAL D RESTROOMS)_acurana075vk.rvt

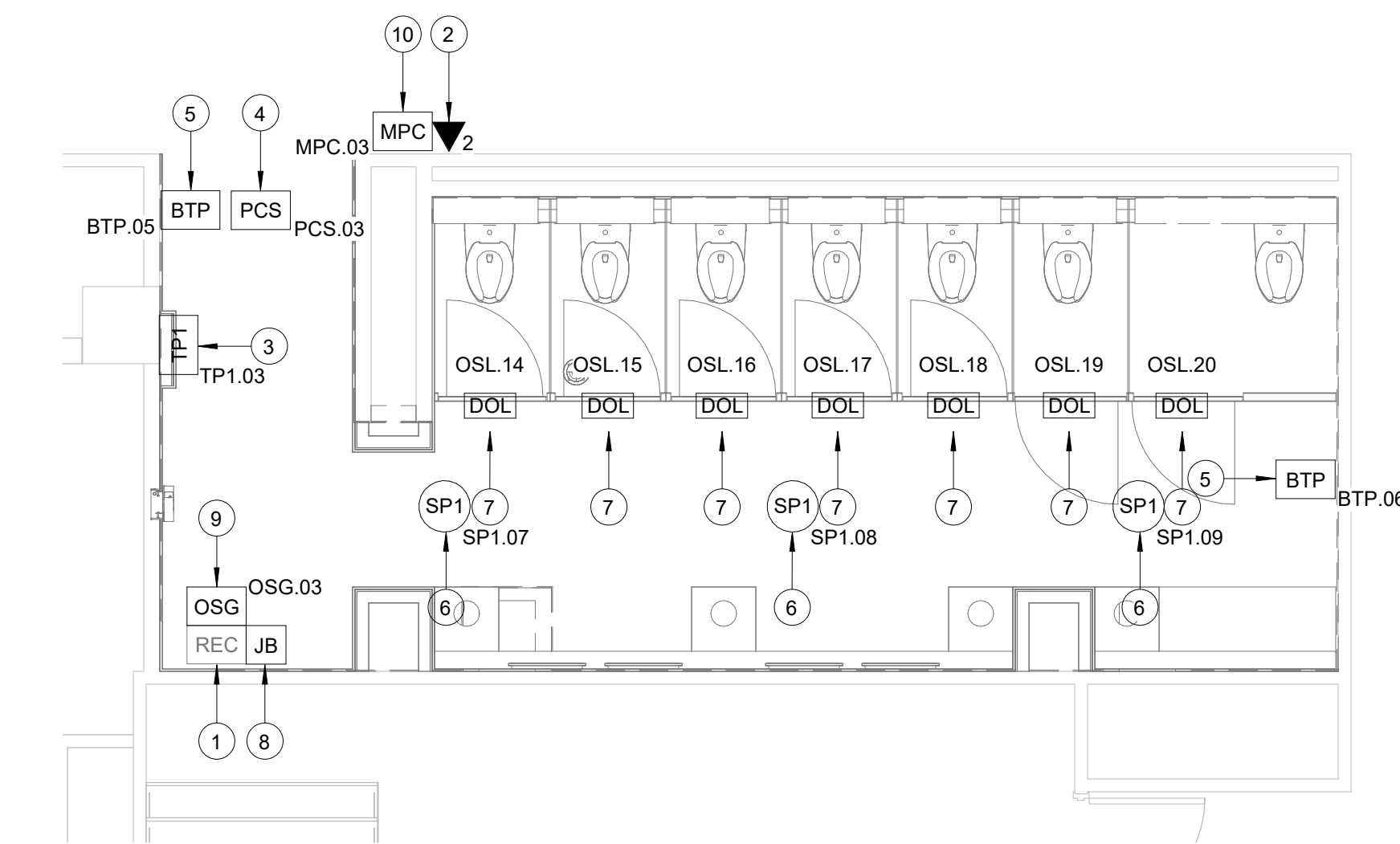
HAS FILE:



A3 WOMEN'S RESTROOM GATE D07 AREA
SCALE: 1/4" = 1'-0"



C3 MEN'S RESTROOM GATE D07-D09 AREA
SCALE: 1/4" = 1'-0"



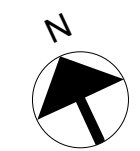
A2 WOMEN'S RESTROOM GATE D09 AREA
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

KEYED NOTES

- EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC), MOUNTED ABOVE CEILING GRID.
- POSSIBLE** LOCATION OF 2-PORT, SURFACE MOUNT DATA RECEPTACLE, 2 CAT6 CABLE ROUTED THROUGH A 1" C TO IDF CNE173. (IDF CNE1) COORDINATE WITH ITRIP PRIOR TO INSTALLATION.
- REPLACE EXISTING TABLE FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
- PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1" C TO REC.
- BLUETOOTH BEACON PUCK, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
- CUBICLES STALL WITH LED OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
- LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE NEW WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- POSSIBLE** LOCATION OF MINI COMPUTER, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH ITRIP PRIOR TO INSTALLATION.



3701 North Terminal Road
Houston, TX 77032

TERMINAL D RESTROOM RENOVATIONS

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. 2024-92-IAH H.A.S. No. _____
ITRP T.I.P. No. 24-86-IAH

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com



1838 N Sam Houston Pkwy, Ste. 550
Houston, TX 77058
346.570.2418
pgaeengineers.com
TBP# FRM #12493

DESIGNER PROJECT No.:

PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	PGA

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING



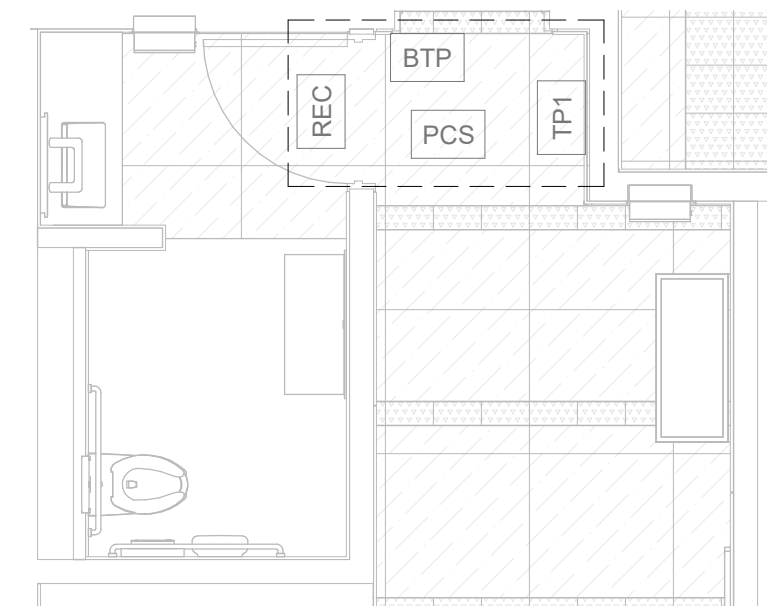
SHEET NAME: TECHNOLOGY - ENLARGED RR FLOOR PLANS - CD CONNECTOR
SHEET No. T-101 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

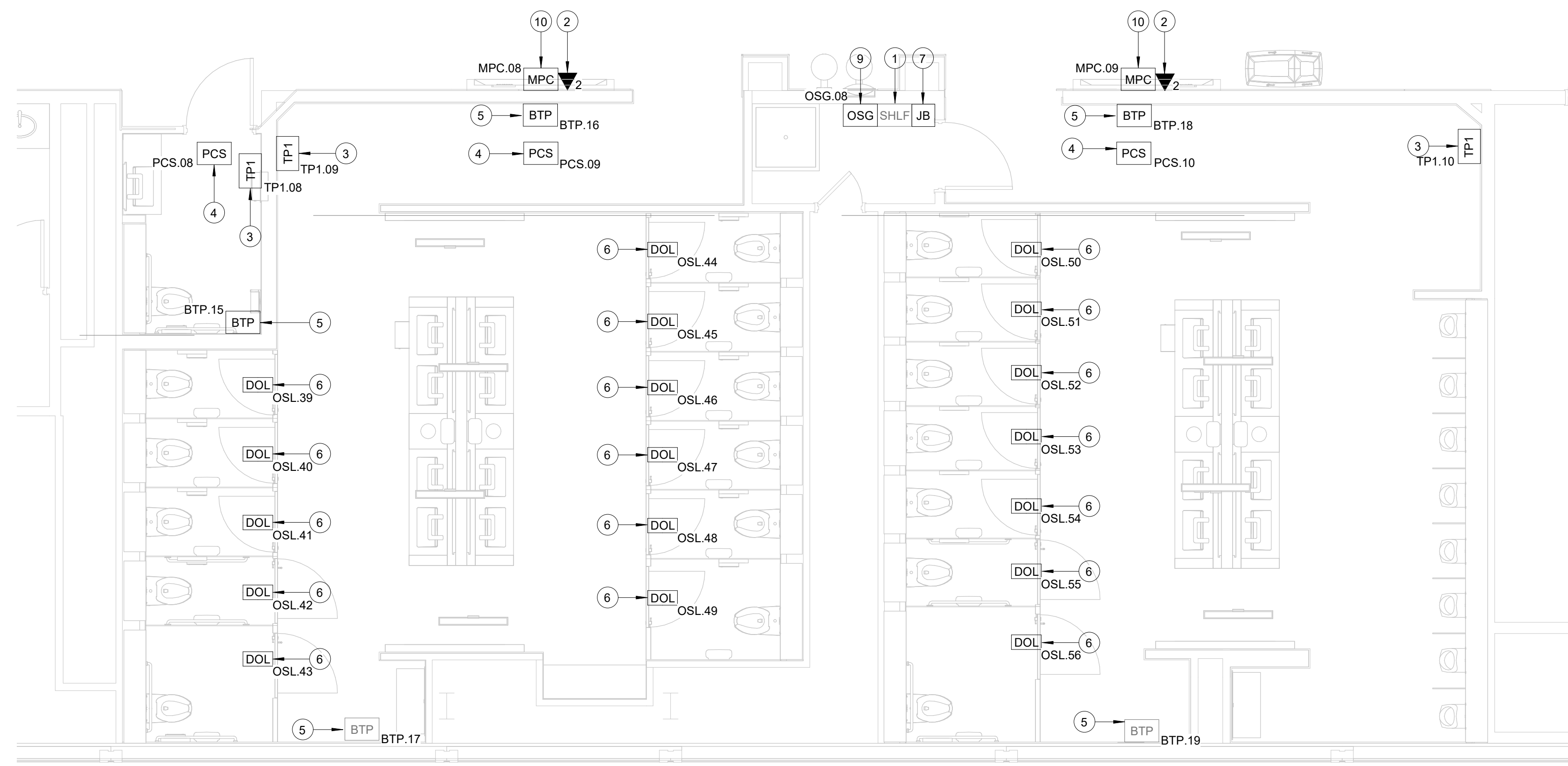
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/1429.12 Terminal D Restrooms/2021.010 - RDLR (IAH TERMINAL D RESTROOMS)_acaruana075vk.rvt

HAS FILE:



A1 ENLARGED PLAN - NURSERY RR GATE D16 AREA
SCALE: 1/4" = 1'-0"



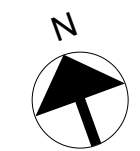
B2 ENLARGED PLAN - MEN & WOMEN'S RR GATE D16
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

KEYED NOTES

- REPLACE SHELF WITH NEW GL15WM-040400, GREAT LAKES WALL MOUNT TU CABINET OR PPROVED EQUAL. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- POSSIBLE** LOCATION OF 2-PORT, SURFACE MOUNT DATA RECEPTACLE. 2 CAT6 CABLE ROUTED THROUGH A 1" C TO NEAREST IDF. COORDINATE WITH ITRIP PRIOR TO INSTALLATION.
- TABLET FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
- REPLACE EXISTING PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1" C. TO REC.
- REPLACE EXISTING BLUETOOTH BEACON PUCK, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- CUBICLES STALL WITH LED OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
- LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
- (NOT USED)
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE NEW WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- POSSIBLE** LOCATION OF MINI COMPUTER, NOW MICRO DMPS-2200. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH ITRIP PRIOR TO INSTALLATION.



3701 North Terminal Road
Houston, TX 77032
**TERMINAL D RESTROOM
RENOVATIONS**

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. 2024-92-IAH H.A.S. No. _____
ITRP T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers

2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com



DESIGNER PROJECT No.:

PROJECT STATUS: IFB

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	PGA

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

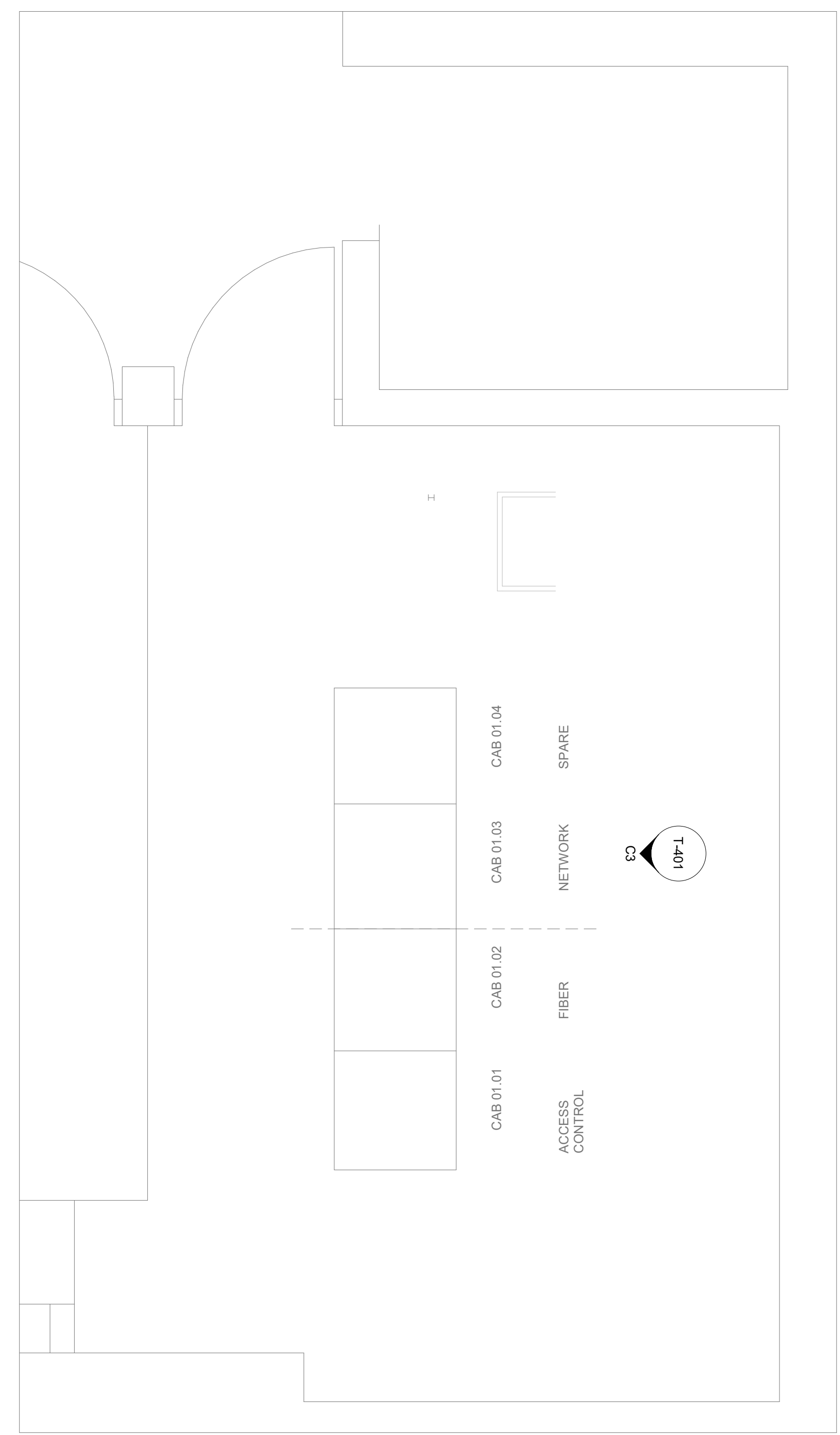


SHEET NAME: TECHNOLOGY - ENLARGED RR FLOOR PLANS - TERMINAL D
SHEET No.: T-102 **SCALE:** 1/4" = 1'-0"

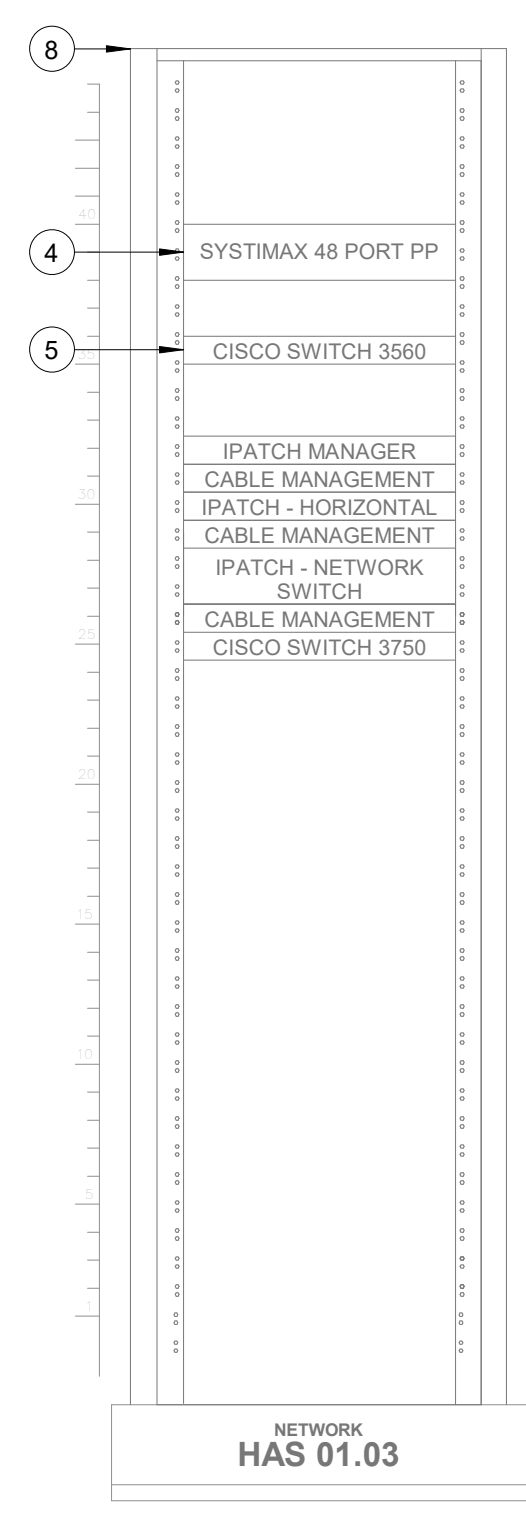
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

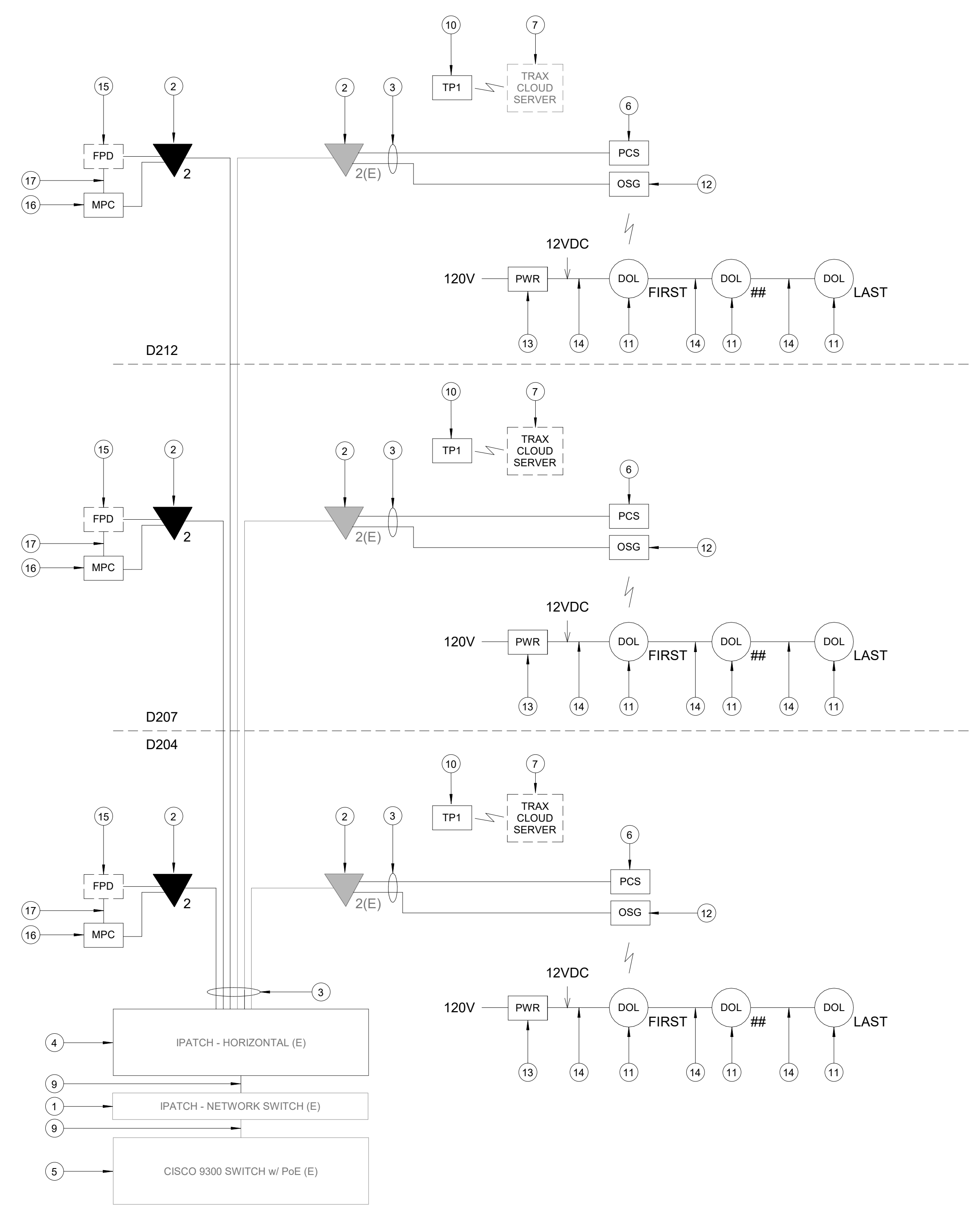
FILE PATH: BIM 360/1429.12 Terminal D Restrooms/2021.010 - RDLR (IAH TERMINAL D RESTROOMS)_acruana075/K.rvt
HAS FILE:



A2 TERMINAL CD CONNECTOR - IDF CNE 173
SCALE: 1/8" = 1'-0"



C3 IDF CNE 173 - CABINET/RACK ELEVATIONS
SCALE: 1" = 1'-0"



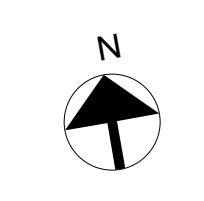
B1 IDF CNE 173 - ONE LINE DIAGRAM
SCALE: NTS

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

KEYED NOTES

- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH. (E)
- PASSENGER COUNT SENSOR, XOVIS PC2-S. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT RACK '01.03' (E), REFERENCE DETAIL 'C3' ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET, SAMSUNG GALAXY A7 LTE. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- BATHROOM STALL OCCUPANCY LIGHTS, ZURN Z-LIGHT-W1. EXACT NUMBER DAISY-CHAINED NOT SHOWN, REFERENCE SHEET T-101.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAYS, ZURN ZGW-WRP-W1-ETH. LOCATED IN RESTROOM CLOSET RECS, REFERENCE SHEET T-101.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY, ZURN Z-PWRSUP-W1. MUST BE HARD WIRED BY ELECTRICIAN AND INSTALLED INTO A STANDARD 4-11/16" SQUARE METAL JUNCTION BOX IN ACCORDANCE WITH APPLICABLE LOCAL ELECTRIC CODE. REFERENCE SPECIFICATIONS.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.
- FLAT PANEL DISPLAY. NOT IN SCOPE, FOR REFERENCE ONLY, ITRIP PROGRAM DEVICE.
- MINI COMPUTER, NOW MICRO DMPS-2200. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- HDMI CABLE.



3701 North Terminal Road
Houston, TX 77032
**TERMINAL D RESTROOM
RENOVATIONS**
C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
TRP T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com



HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800 Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

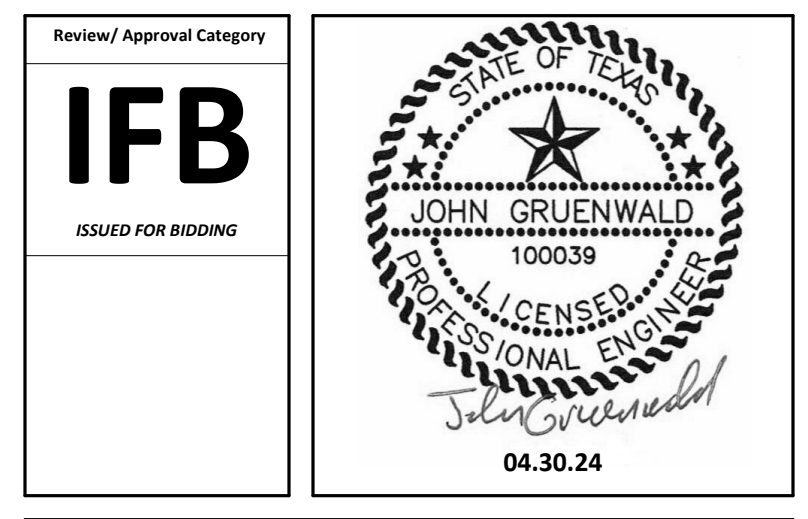


DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

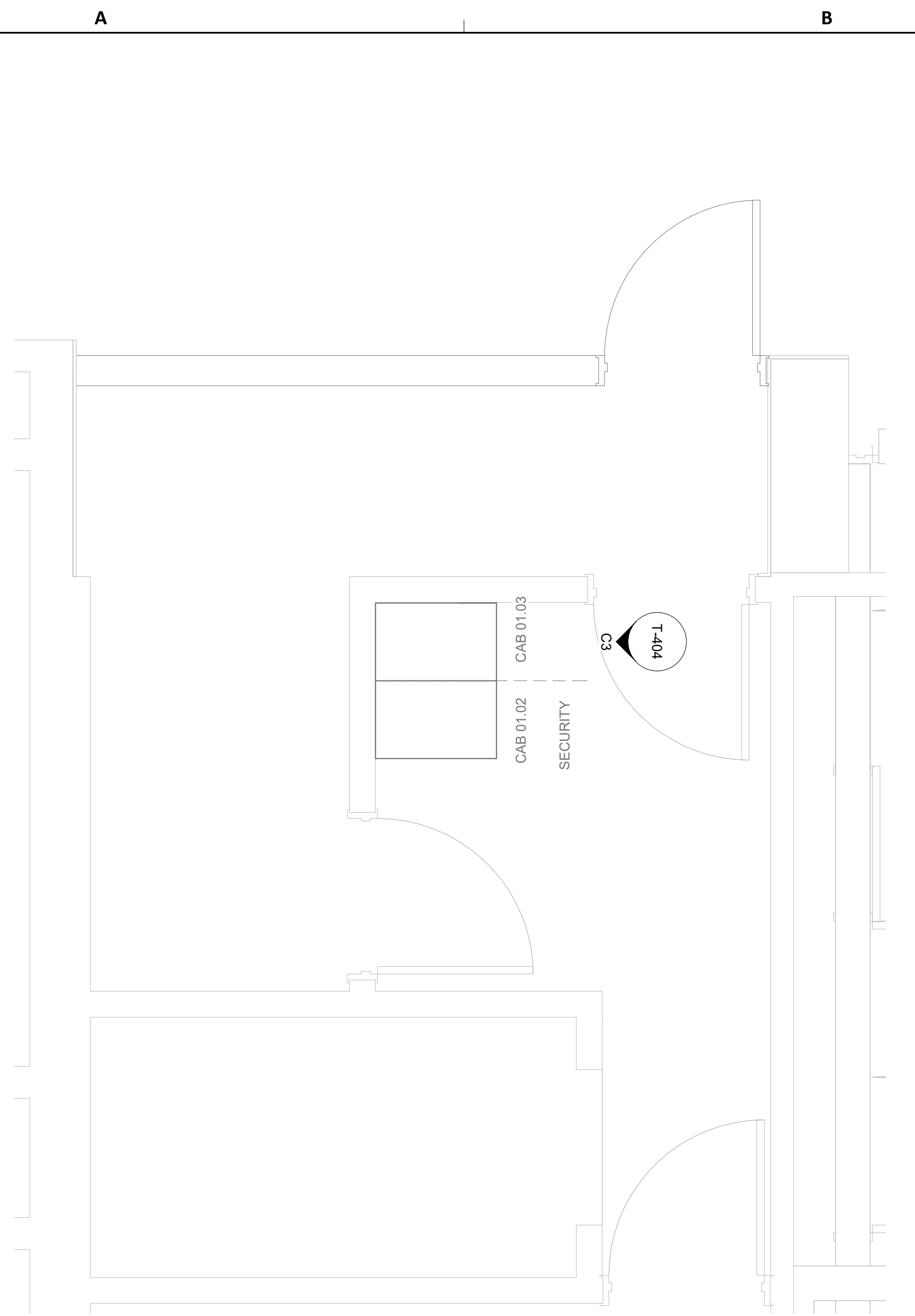
REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 /Addendum 1	04.30.24	PGA

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

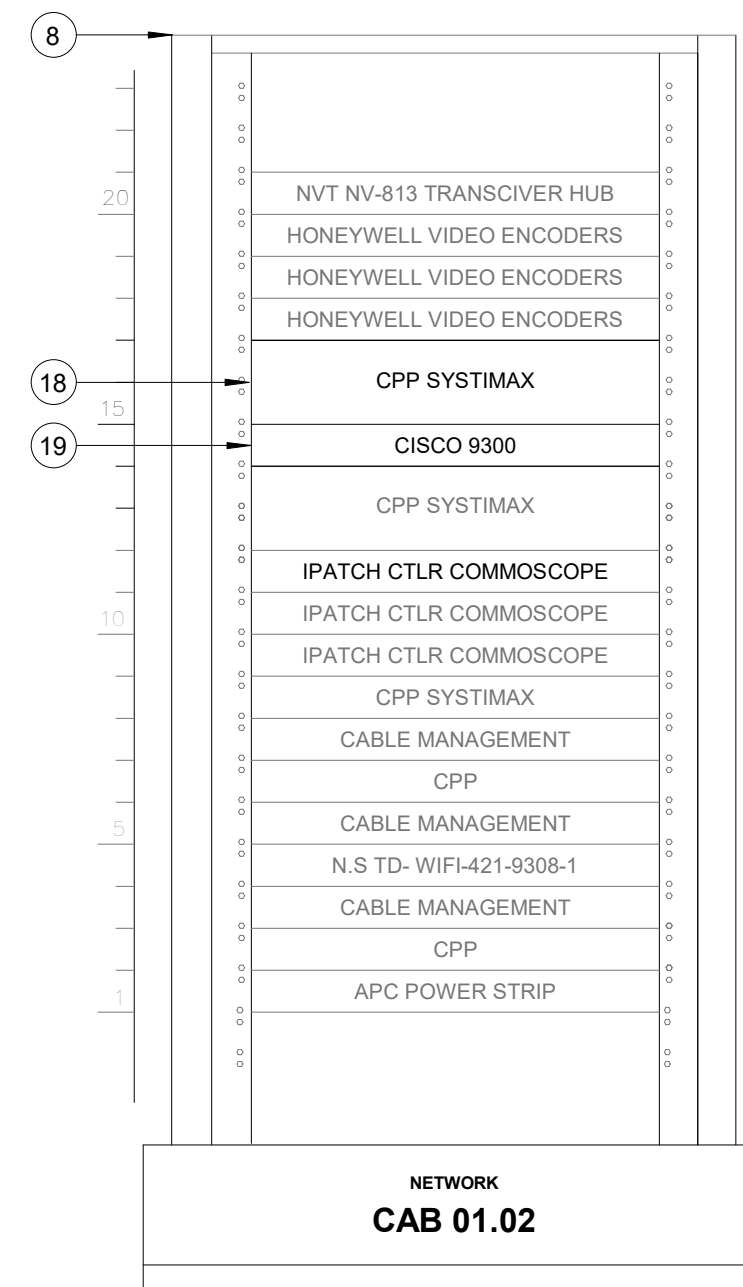
DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: TECHNOLOGY - ENLARGED PLAN - IDF CNE 173
SHEET No. T-401 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



A2 TERMINAL D DEPARTURE - IDF 421
SCALE: 1/2" = 1'-0"



C3 IDF 421 - CABINET/RACK ELEVATIONS
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.



3701 North Terminal Road
Houston, TX 77032
**TERMINAL D RESTROOM
RENOVATIONS**

C.I.P. No. _____ A.I.P. No. _____
C.O.H. No. _____ D.O.A. No. _____
B.S.G. No. 2024-92-IAH H.A.S. No. _____
TRP T.I.P. No. 24-86-IAH

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121
www.rdlr.com



**HENDERSON
ROGERS**
structural engineers

2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com



DESIGNER PROJECT No.: _____
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFP - cycle 1 / Addendum 1	04.30.24	PGA

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

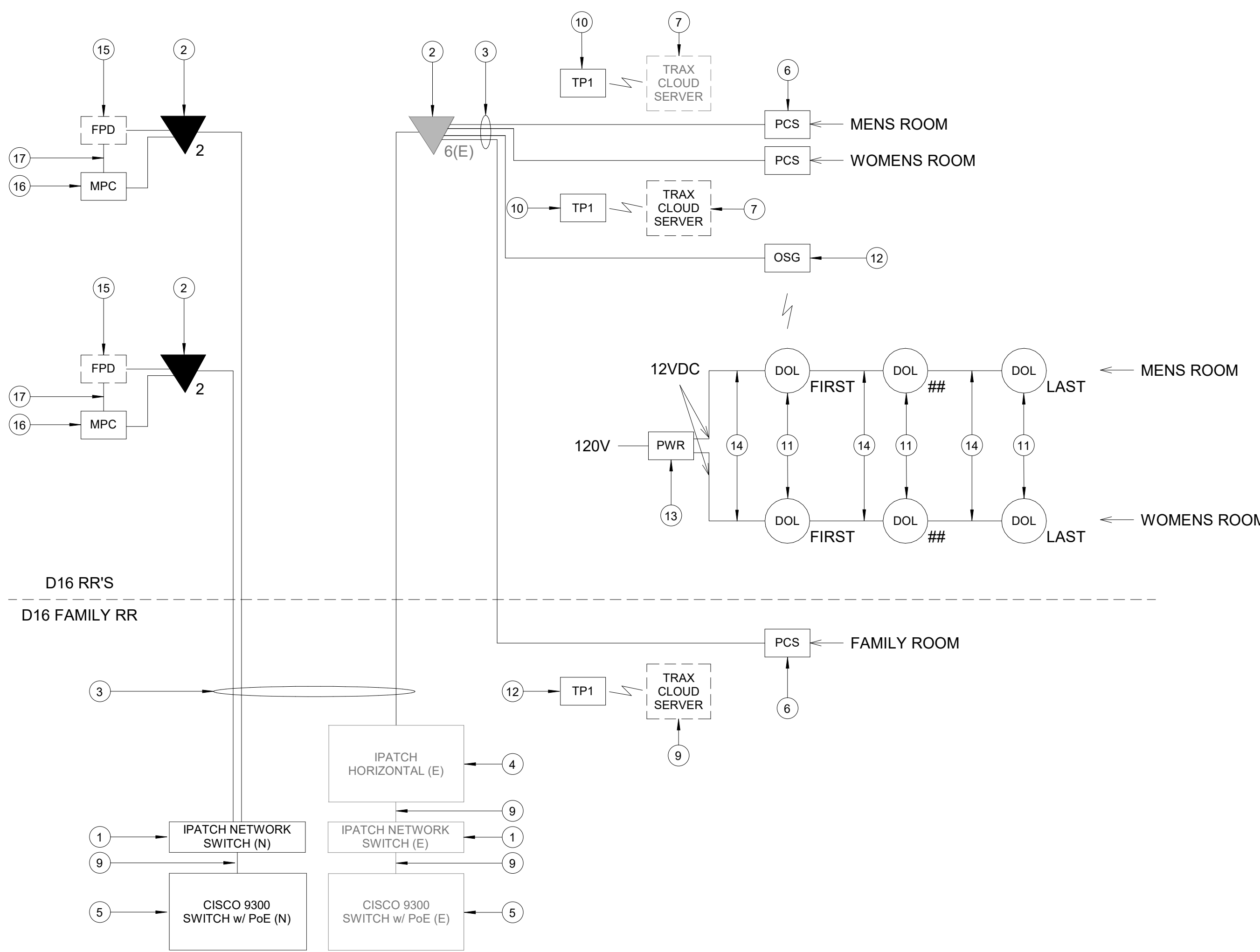
**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**

Review/Approval Category
IFB
ISSUED FOR BIDDING

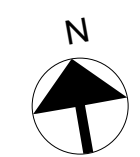


KEYED NOTES

- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH. (E)
- PASSENGER COUNT SENSOR, XOVIS PC2-S. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT RACK '01.01' (E), REFERENCE DETAIL 'C3' ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET, SAMSUNG GALAXY A7 LTE. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- BATHROOM STALL OCCUPANCY LIGHTS, ZURN Z-LIGHT-W1. EXACT NUMBER DAISY-CHAINED NOT SHOWN, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAYS, ZURN ZGW-WRP-W1-ETH. LOCATED IN RESTROOM CLOSET RECS, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY, ZURN Z-PWRUP-W1. MUST BE HARD WIRED BY ELECTRICIAN AND INSTALLED INTO A STANDARD 4-11/16" SQUARE METAL JUNCTION BOX IN ACCORDANCE WITH APPLICABLE LOCAL ELECTRIC CODE. REFERENCE SPECIFICATIONS.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.
- FLAT PANEL DISPLAY. NOT IN SCOPE, FOR REFERENCE ONLY. ITRIP PROGRAM DEVICE.
- MINI COMPUTER, NOW MICRO DMPS-2200. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- HDMI CABLE.
- CISCO 9300 NETWORK SWITCH. (N)
- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (N)



A1 IDF 421 - ONE LINE DIAGRAM
SCALE: NTS



SHEET NAME: TECHNOLOGY - ENLARGED PLAN - IDF 421

SHEET No.: T-402 **SCALE:** As indicated

SHEET SIZE: 30"x42" ARCH E1

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No. 2024-92-IAH	H.A.S. No.
ITRP T.I.P. No. 24-86-IAH	

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.868.3121 www.rdlr.com

JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com

PGA ENGINEERS, INC.
1838 N Sam Houston Pkwy, Ste. 550
Houston, TX 77052
346.570.2418
pgae.com
TBP# FRM #12493

DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

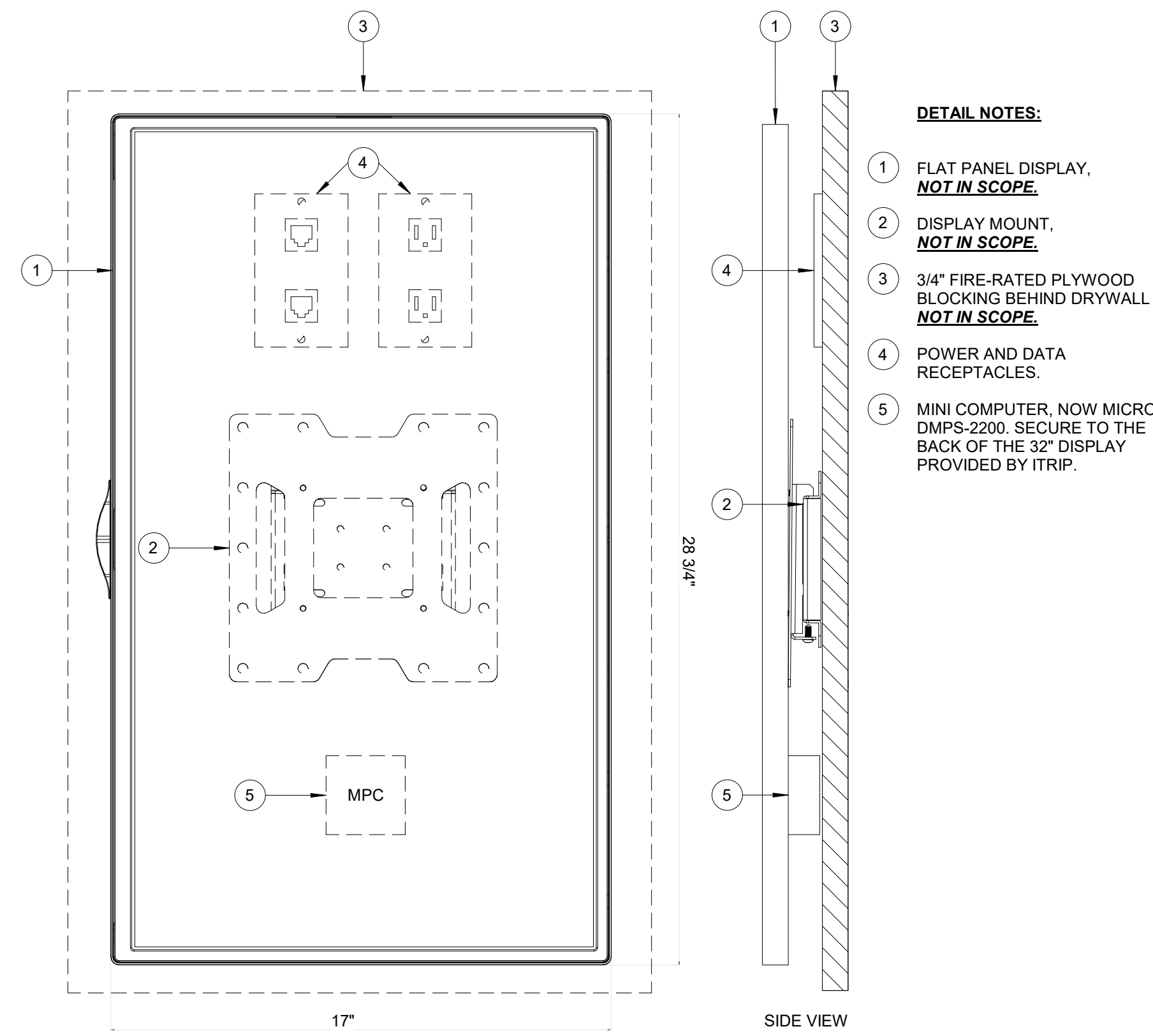
REVISIONS			
No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 /Addendum 1	04.30.24	PGA

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

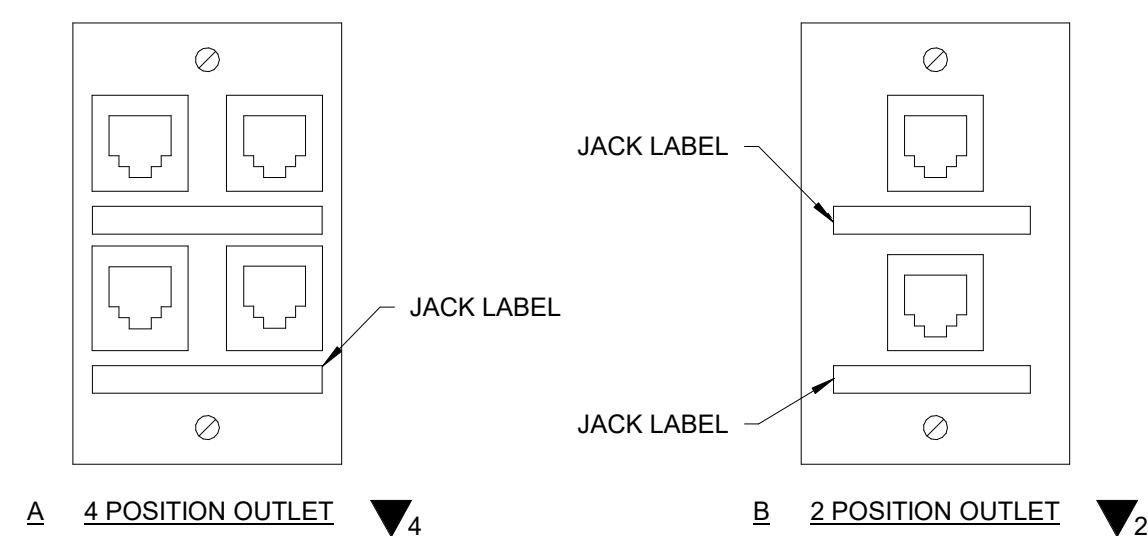
<p>Review/Approval Category</p> <p>IFB</p> <p>ISSUED FOR BIDDING</p>	
---	--

SHEET NAME: TECHNOLOGY - EQUIPMENT DETAILS
SHEET No. T-500 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

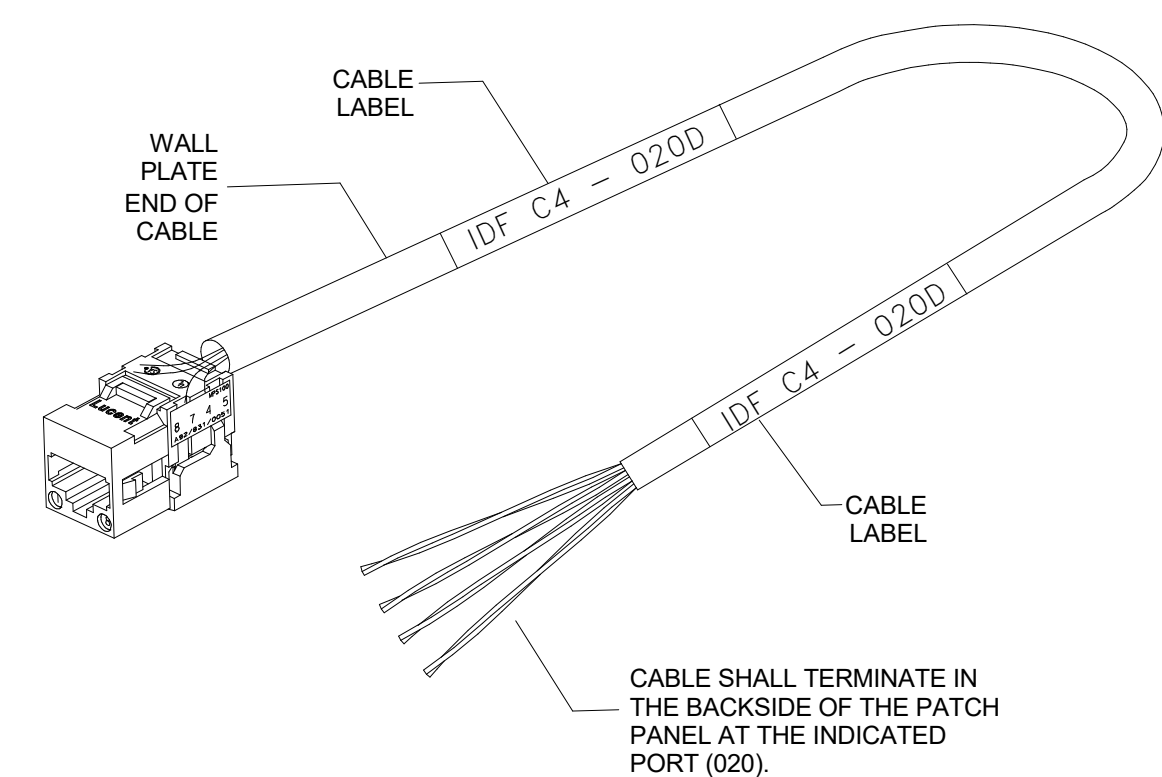


- DETAIL NOTES:**
- 1 FLAT PANEL DISPLAY, **NOT IN SCOPE.**
 - 2 DISPLAY MOUNT, **NOT IN SCOPE.**
 - 3 3/4" FIRE-RATED PLYWOOD BLOCKING BEHIND DRYWALL, **NOT IN SCOPE.**
 - 4 POWER AND DATA RECEPTACLES.
 - 5 MINI COMPUTER, NOW MICRO DMPS-2200. SECURE TO THE BACK OF THE 30" DISPLAY PROVIDED BY ITRIP.

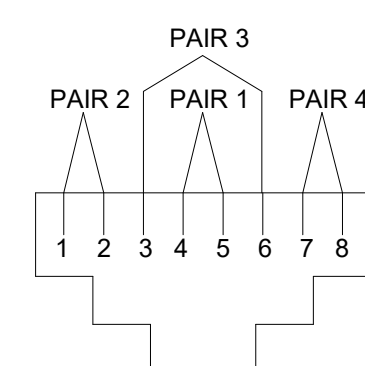
A3 ITRIP PROJECT FLAT PANEL DISPLAY WITH MOUNT
SCALE: NTS



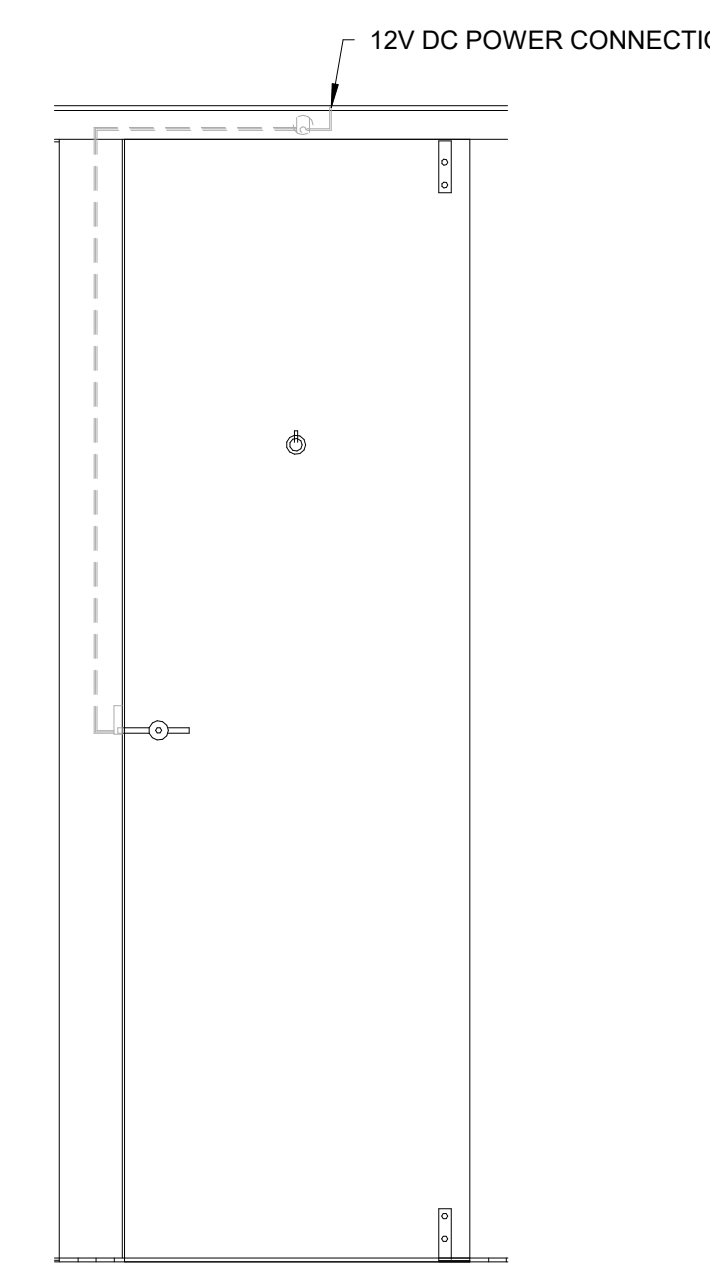
A2 COVERPLATE DETAIL
SCALE: NTS



A1 CABLE LABEL DETAIL
SCALE: NTS



B1 TERMINATION DETAIL
SCALE: NTS



D1 STALL SENSOR DETAIL
SCALE: NTS

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/2021.010 - RDLR (IAH TERMINAL D RESTROOMS)_acurana075vk.rvt
 PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE:



3701 North Terminal Road
Houston, TX 77032

TERMINAL D RESTROOM RENOVATIONS

C.I.P. No. A.I.P. No.
C.O.H. No. D.O.A. No.
B.S.G. No. 2024-92-IAH H.A.S. No.
TRP T.I.P. No. 24-86-IAH

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



HENDERSON ROGERS

structural engineers

2603 Augusta, Suite 800
Houston, Texas 77057
713.430.5800 713.430.5888 fax
www.hendersonrogers.com



PGA
ENGINEERS, INC.
3838 N. Sam Houston Pkwy, Ste. 550
Houston, TX 77052
346.570.2418
pgaengineers.com
TBPE FRM #12493

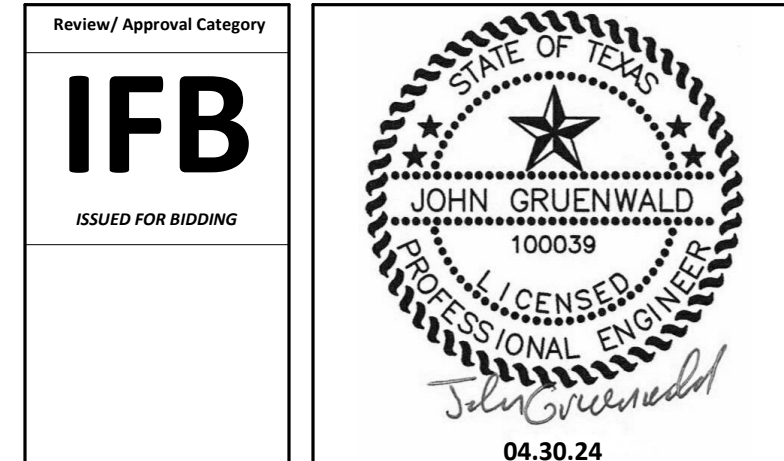
DESIGNER PROJECT No.:
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY
1	IFB - cycle 1 / Addendum 1	04.30.24	PGA

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03.21.24
APPROVED BY: JOHN GRUENWALD
APPROVAL DATE: 03.21.24

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: TECHNOLOGY - EQUIPMENT SCHEDULES
SHEET No. T-600 SCALE: 1/16" = 1'-0"
SHEET SIZE: 30"x42" ARCH E1

TECHNOLOGY SCHEDULE CD CONNECTOR				
DEVICE ID	LOCATION	MANUFACTURER	MODEL	COMMENTS
BTP.01	D204	KONTAKT.IO	ANCHOR BEACON 2	
BTP.02	D204	KONTAKT.IO	ANCHOR BEACON 2	
BTP.03	D207	KONTAKT.IO	ANCHOR BEACON 2	
BTP.04	D207	KONTAKT.IO	ANCHOR BEACON 2	
BTP.05	D212	KONTAKT.IO	ANCHOR BEACON 2	
BTP.06	D212	KONTAKT.IO	ANCHOR BEACON 2	
MPC.01	D204	BY TRAX	BY TRAX	
MPC.02	D207	BY TRAX	BY TRAX	
MPC.03	D212	BY TRAX	BY TRAX	
OSG.01	D204	BY TRAX	BY TRAX	
OSG.02	D207	BY TRAX	BY TRAX	
OSG.03	D212	BY TRAX	BY TRAX	
OSL.01	D204	BY TRAX	BY TRAX	
OSL.02	D204	BY TRAX	BY TRAX	
OSL.03	D204	BY TRAX	BY TRAX	
OSL.04	D204	BY TRAX	BY TRAX	
OSL.05	D204	BY TRAX	BY TRAX	
OSL.06	D204	BY TRAX	BY TRAX	
OSL.07	D204	BY TRAX	BY TRAX	
OSL.08	D204	BY TRAX	BY TRAX	
OSL.09	D207	BY TRAX	BY TRAX	
OSL.10	D207	BY TRAX	BY TRAX	
OSL.11	D207	BY TRAX	BY TRAX	
OSL.12	D207	BY TRAX	BY TRAX	
OSL.13	D207	BY TRAX	BY TRAX	
OSL.14	D212	BY TRAX	BY TRAX	
OSL.15	D212	BY TRAX	BY TRAX	
OSL.16	D212	BY TRAX	BY TRAX	
OSL.17	D212	BY TRAX	BY TRAX	
OSL.18	D212	BY TRAX	BY TRAX	
OSL.19	D212	BY TRAX	BY TRAX	
OSL.20	D212	BY TRAX	BY TRAX	
PCS.01	D204	BY TRAX	BY TRAX	
PCS.02	D207	BY TRAX	BY TRAX	
PCS.03	D212	BY TRAX	BY TRAX	
SP1.01	D204	JBL	CONTROL 24CT	
SP1.02	D204	JBL	CONTROL 24CT	
SP1.03	D204	JBL	CONTROL 24CT	
SP1.04	D207	JBL	CONTROL 24CT	
SP1.05	D207	JBL	CONTROL 24CT	
SP1.06	D207	JBL	CONTROL 24CT	
SP1.07	D212	JBL	CONTROL 24CT	
SP1.08	D212	JBL	CONTROL 24CT	
SP1.09	D212	JBL	CONTROL 24CT	
TP1.01	D204	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.02	D207	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.03	D212	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE

A1 EQUIPMENT SCHEDULE - CD CONNECTOR

SCALE: 1/16" = 1'-0"

TECHNOLOGY SCHEDULE TERMINAL D				
DEVICE ID	LOCATION	MANUFACTURER	MODEL	COMMENTS
BTP.07	D404	KONTAKT.IO	ANCHOR BEACON 2	
BTP.08	D404	KONTAKT.IO	ANCHOR BEACON 2	
BTP.09	D405	KONTAKT.IO	ANCHOR BEACON 2	
BTP.10	D405	KONTAKT.IO	ANCHOR BEACON 2	
BTP.11	D408	KONTAKT.IO	ANCHOR BEACON 2	
BTP.12	D408	KONTAKT.IO	ANCHOR BEACON 2	
BTP.13	D7 WOMENS	KONTAKT.IO	ANCHOR BEACON 2	
BTP.14	D7 WOMENS	KONTAKT.IO	ANCHOR BEACON 2	
BTP.15	D9 FAMILY	KONTAKT.IO	ANCHOR BEACON 2	
BTP.16	D9 WOMENS	KONTAKT.IO	ANCHOR BEACON 2	
BTP.17	D9 WOMENS	KONTAKT.IO	ANCHOR BEACON 2	
BTP.18	D9 MENS	KONTAKT.IO	ANCHOR BEACON 2	
BTP.19	D9 MENS	KONTAKT.IO	ANCHOR BEACON 2	
CPP.01	D9 IDF 421	COMMSCOPE	SEE SPECIFICATIONS	
MPC.04	D404	BY TRAX	BY TRAX	
MPC.05	D405	BY TRAX	BY TRAX	
MPC.06	D408	BY TRAX	BY TRAX	
MPC.07	D7 WOMENS	BY TRAX	BY TRAX	
MPC.08	D9 WOMENS	BY TRAX	BY TRAX	
MPC.09	D9 MENS	BY TRAX	BY TRAX	
NET.01	D9 IDF 421	CISCO	SEE SPECIFICATIONS	
OSG.04	D404	BY TRAX	BY TRAX	
OSG.05	D405	BY TRAX	BY TRAX	
OSG.06	D408	BY TRAX	BY TRAX	
OSG.07	D7 WOMENS	BY TRAX	BY TRAX	
OSG.08	D9 MENS	BY TRAX	BY TRAX	
OSL.21	D404	ZURN	Z-LIGHT-W1	
OSL.22	D404	ZURN	Z-LIGHT-W1	
OSL.23	D404	ZURN	Z-LIGHT-W1	
OSL.24	D404	ZURN	Z-LIGHT-W1	
OSL.25	D404	ZURN	Z-LIGHT-W1	
OSL.26	D404	ZURN	Z-LIGHT-W1	
OSL.27	D404	ZURN	Z-LIGHT-W1	
OSL.28	D405	ZURN	Z-LIGHT-W1	
OSL.29	D405	ZURN	Z-LIGHT-W1	
OSL.30	D405	ZURN	Z-LIGHT-W1	
OSL.31	D408	ZURN	Z-LIGHT-W1	
OSL.32	D408	ZURN	Z-LIGHT-W1	
OSL.33	D7 WOMENS	ZURN	Z-LIGHT-W1	
OSL.34	D7 WOMENS	ZURN	Z-LIGHT-W1	
OSL.35	D7 WOMENS	ZURN	Z-LIGHT-W1	
OSL.36	D7 WOMENS	ZURN	Z-LIGHT-W1	
OSL.37	D7 WOMENS	ZURN	Z-LIGHT-W1	
OSL.38	D7 WOMENS	ZURN	Z-LIGHT-W1	
OSL.39	D9 WOMENS	BY TRAX	BY TRAX	
OSL.40	D9 WOMENS	BY TRAX	BY TRAX	
OSL.41	D9 WOMENS	BY TRAX	BY TRAX	
OSL.42	D9 WOMENS	BY TRAX	BY TRAX	
OSL.43	D9 WOMENS	BY TRAX	BY TRAX	
OSL.44	D9 WOMENS	BY TRAX	BY TRAX	
OSL.45	D9 WOMENS	BY TRAX	BY TRAX	
OSL.46	D9 WOMENS	BY TRAX	BY TRAX	
OSL.47	D9 WOMENS	BY TRAX	BY TRAX	
OSL.48	D9 WOMENS	BY TRAX	BY TRAX	
OSL.49	D9 WOMENS	BY TRAX	BY TRAX	
OSL.50	D9 MENS	BY TRAX	BY TRAX	
OSL.51	D9 MENS	BY TRAX	BY TRAX	
OSL.52	D9 MENS	BY TRAX	BY TRAX	
OSL.53	D9 MENS	BY TRAX	BY TRAX	
OSL.54	D9 MENS	BY TRAX	BY TRAX	
OSL.55	D9 MENS	BY TRAX	BY TRAX	
OSL.56	D9 MENS	BY TRAX	BY TRAX	
PCS.04	D404	BY TRAX	BY TRAX	
PCS.05	D405	BY TRAX	BY TRAX	
PCS.06	D408	BY TRAX	BY TRAX	
PCS.07	D7 WOMENS	BY TRAX	BY TRAX	
PCS.08	D9 FAMILY	BY TRAX	BY TRAX	
PCS.09	D9 WOMENS	BY TRAX	BY TRAX	
PCS.10	D9 MENS	BY TRAX	BY TRAX	
TP1.04	D404	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.05	D405	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.06	D408	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.07	D7 WOMENS	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.08	D9 FAMILY	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.09	D9 WOMENS	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE
TP1.10	D9 MENS	BY TRAX	BY TRAX	FASTEN TO WALL WITH APPROVED MOUNTING HARDWARE

C2 EQUIPMENT SCHEDULE - TERMINAL D

SCALE: 1/16" = 1'-0"

FILE PATH: BIM 360//1429.12 Terminal D Restrooms/2021.010 - RDLR (IAH TERMINAL D RESTROOMS)_acruanaU75V.K.rvt

HAS FILE:

PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE: