



7800 Airport Blvd
Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. **PN209A** A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

1245 W 18th St. Houston, TX 77008
phone 713.868.3121 www.rdlr.com

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

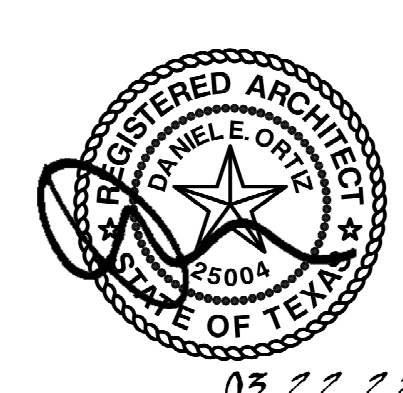
| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review Approval Category

IFB
ISSUED FOR BIDDING



SHEET NAME: COVER SHEET

SHEET No. G-000 SCALE:

MAYOR

SYLVESTER TURNER

CITY COUNCIL MEMBERS

AMY PECK - DISTRICT A

TARSHA JACKSON - DISTRICT B

ABBIE KAMIN - DISTRICT C

CAROLYN EVANS-SHABAZZ - DISTRICT D

DAVID MARTIN - DISTRICT E

TIFFANY D. THOMAS - DISTRICT F

MARY NAN HUFFMAN - DISTRICT G

KARLA CISNEROS - DISTRICT H



CONTROLLER

CHRIS B. BROWN

CITY COUNCIL MEMBERS

ROBERT GALLEGOS - DISTRICT I

EDWARD POLLARD - DISTRICT J

MARTHA CASTEX-TATUM - DISTRICT K

MIKE KNOX - AT LARGE POSITION 1

DAVID ROBINSON - AT LARGE POSITION 2

MICHAEL KUBOSH - AT LARGE POSITION 3

LETITIA PLUMMER - AT LARGE POSITION 4

SALLIE ALCORN - AT LARGE POSITION 5

**HOU RESTROOM RENOVATIONS
PHASE 2**

AT

HOUSTON HOBBY AIRPORT

TIP 22-34-HOU

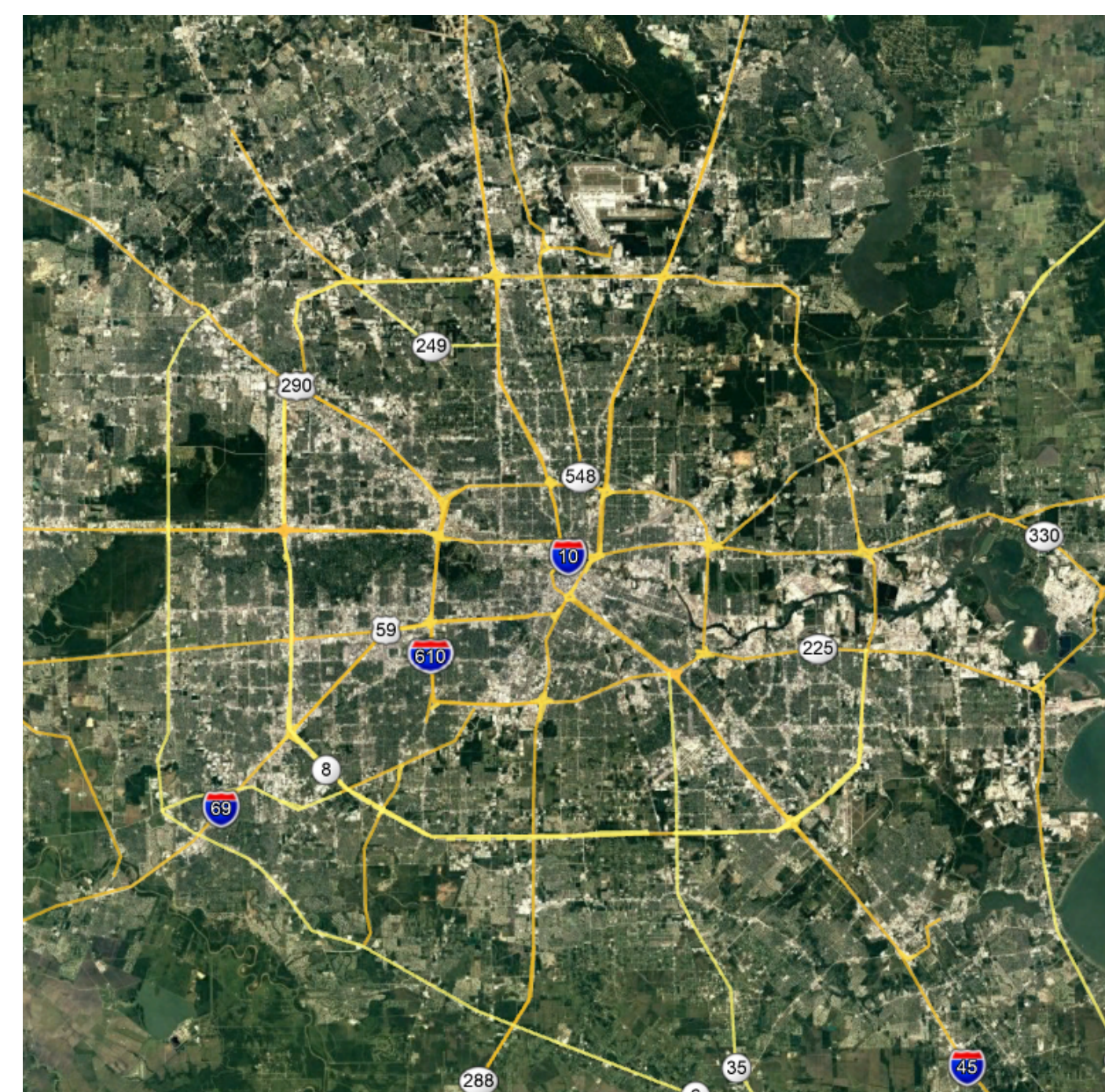
PREPARED BY

RDLR

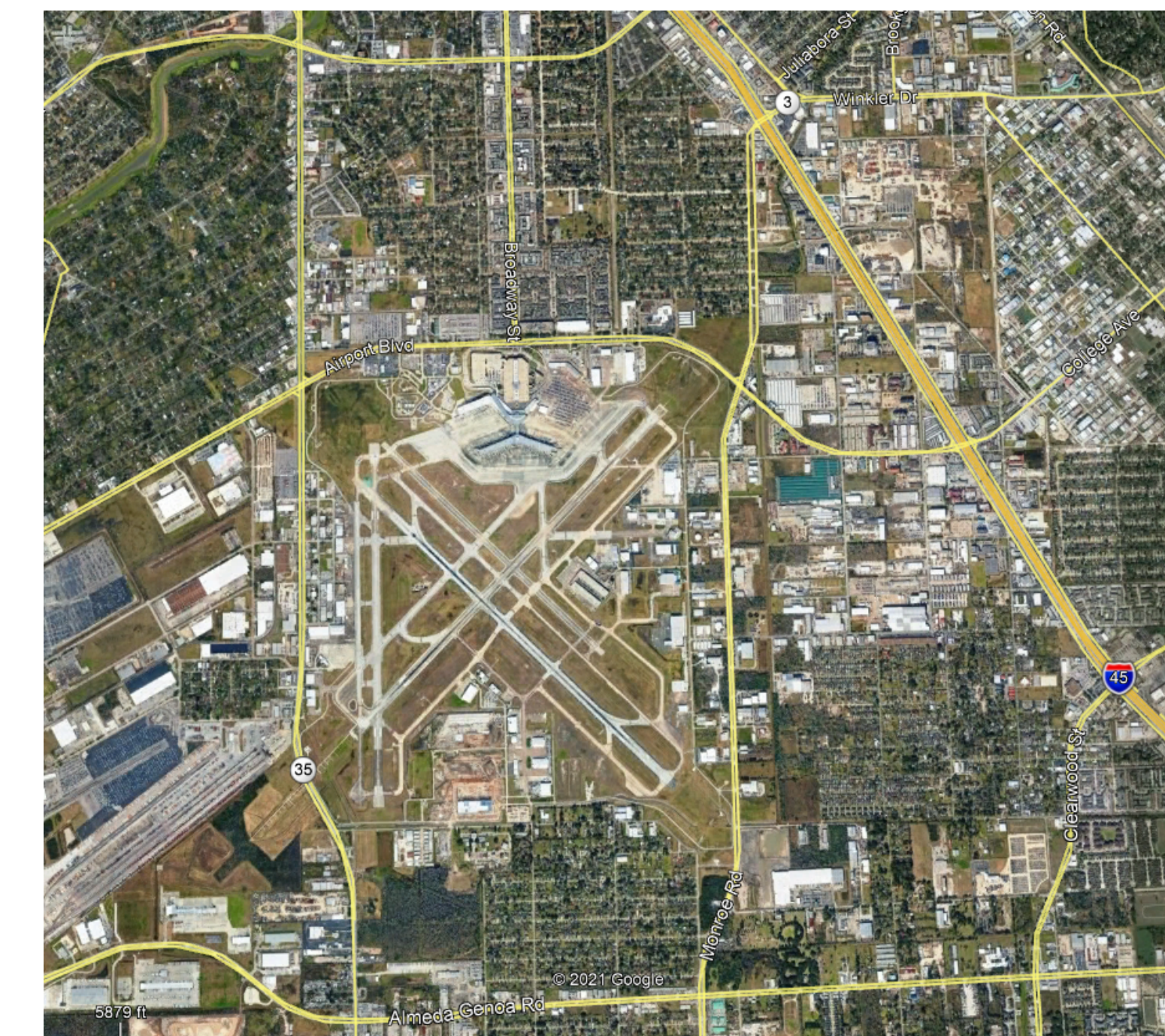
03.22.2022

HOUSTON AIRPORT SYSTEM

MARIO C. DIAZ - DIRECTOR



AREA MAP - N.T.S.



VICINITY MAP - N.T.S.

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

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

PLOT DATE:

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 MATERIALS, SERVICES, MATERIALS, 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 STATE.

ARCHITECTURAL SYSTEMS AND FINISHES

- 1. COLORS INDICATED ON THE MATERIALS AND FINISH KEY ARE CUSTOM COLORS TO MATCH THE COLOR INDICATED. COLORS FROM MANUFACTURERS STANDARD CHARTS WILL NOT BE ACCEPTED UNLESS THOSE COLORS MATCH THE COLORS INDICATED. CONTRACTOR MAY USE ANY ACCEPTABLE ALTERNATE PAINT MANUFACTURER THAT CAN MATCH THE SPECIFIED COLOR.

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 MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL CONTROL SYSTEMS. 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 EXPLORED TO VIEW, FOR WHICH INFORMATION IS GIVEN HERE, AND CONTRACTED ELSEWHERE WITHIN THE DOCUMENTS.

ELECTRICAL NOTES

- 1. ALL ELECTRICAL POWER OUTLETS SHALL BE COMMERCIAL GRADE IN ALL AREAS. FACE PLATES SHALL BE STAINLESS STEEL WITH STAINLESS STEEL FLAT HEAD SCREW FASTENERS TO MATCH ALL DEVICE AND FACEPLATE COLORS ARE TO BE VERIFIED WITH THE OWNER OR APPROVED REPRESENTATIVE.

GENERAL NOTES

- 1. 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, GOVERNING CODES, AND ALL ACCEPTANCE OF THE OWNER AND/OR AUTHORIZED REPRESENTATIVE.

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.

HAS STANDARD

- 1. THIS PROJECT IS TO FOLLOW HOUSTON AIRPORT SYSTEM (HAS) STANDARDS, DISCREPANCIES, HAS STANDARDS CAN BE FOUND AT THEIR WEBSITE: HTTP://WWW.HOUSTONAIRPORTS/BIZ/TIP

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.

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND THEIR SERVICE CONNECTIONS WITH THE PROPER UTILITY COMPANIES AND AGENCIES.

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 TO VERTICAL.

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 AND APPROVED REPRESENTATIVE.

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:



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Table with project details: C.I.P. No. PN209A, A.I.P. No., C.O.H. No., D.O.A. No.

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

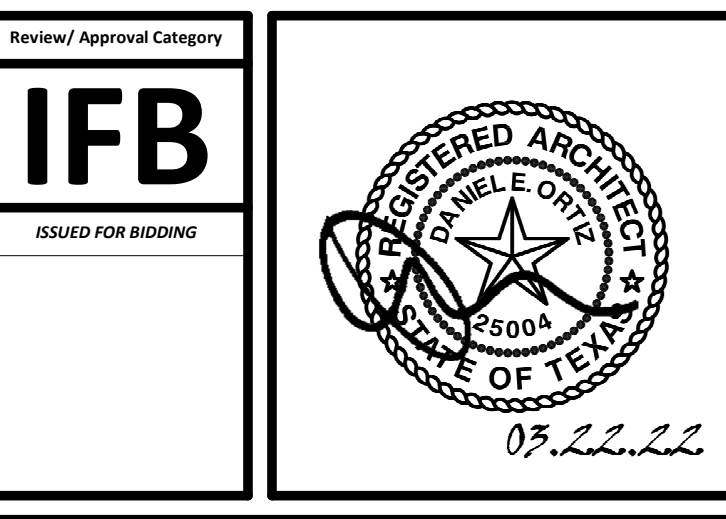
DESIGNER PROJECT No.: 1429.05 PROJECT STATUS: IFB

REVISIONS

Table with 4 columns: No., DESCRIPTION, DATE, BY. Row 1: 1 Issued For Bidding 03.22.22 HB

DESIGN BY: KATHERINE DOMINGUEZ DRAWN BY: HECTOR BERRIOS CHECKED BY: DANIEL ORTIZ ISSUE DATE: 03.22.2022 APPROVED BY: DANIEL ORTIZ APPROVAL DATE: 03.22.2022

DIRECTOR of HOUSTON AIRPORT SYSTEM



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

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE: 1

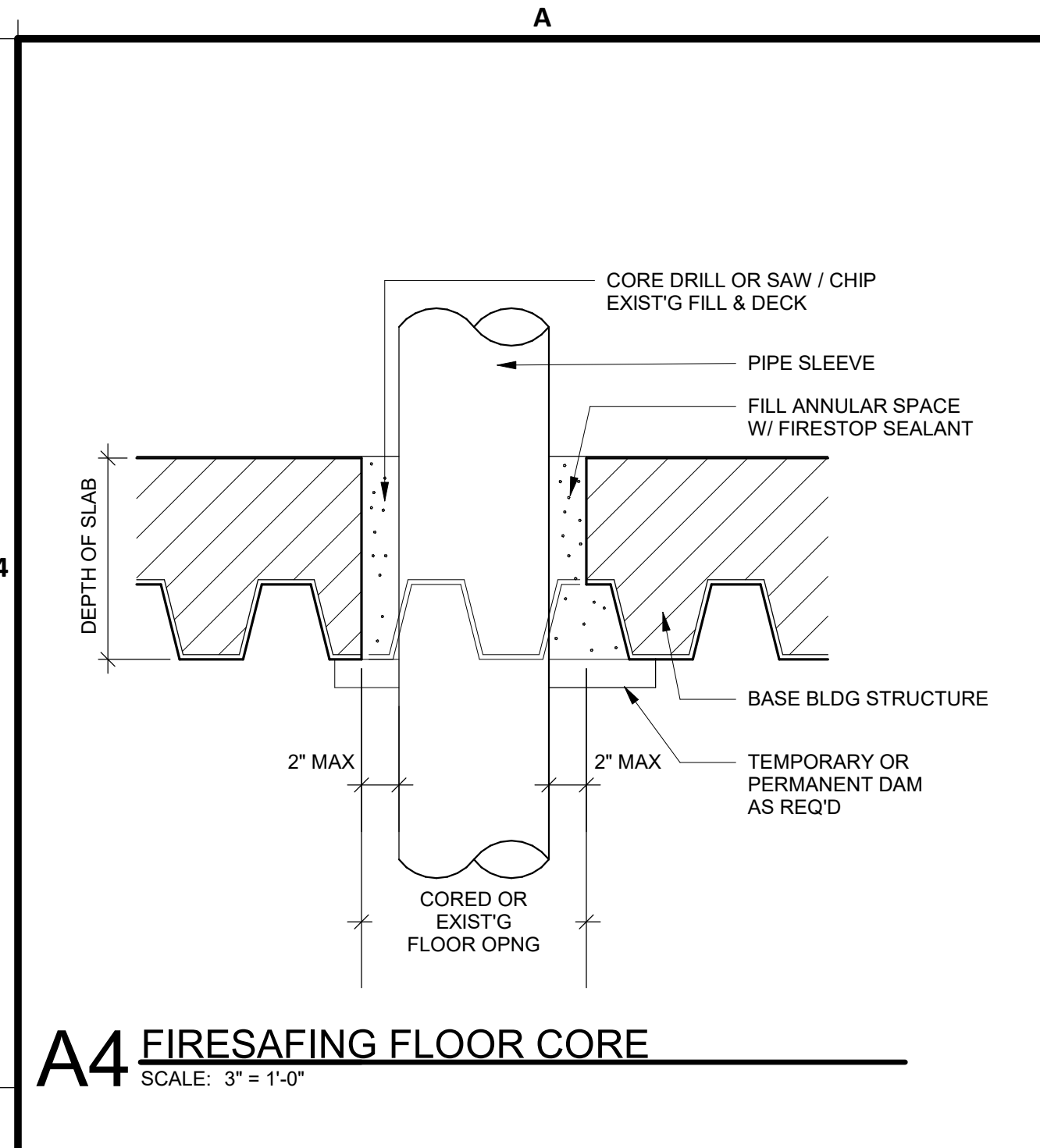
FILE PATH: BIM 360//1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt

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

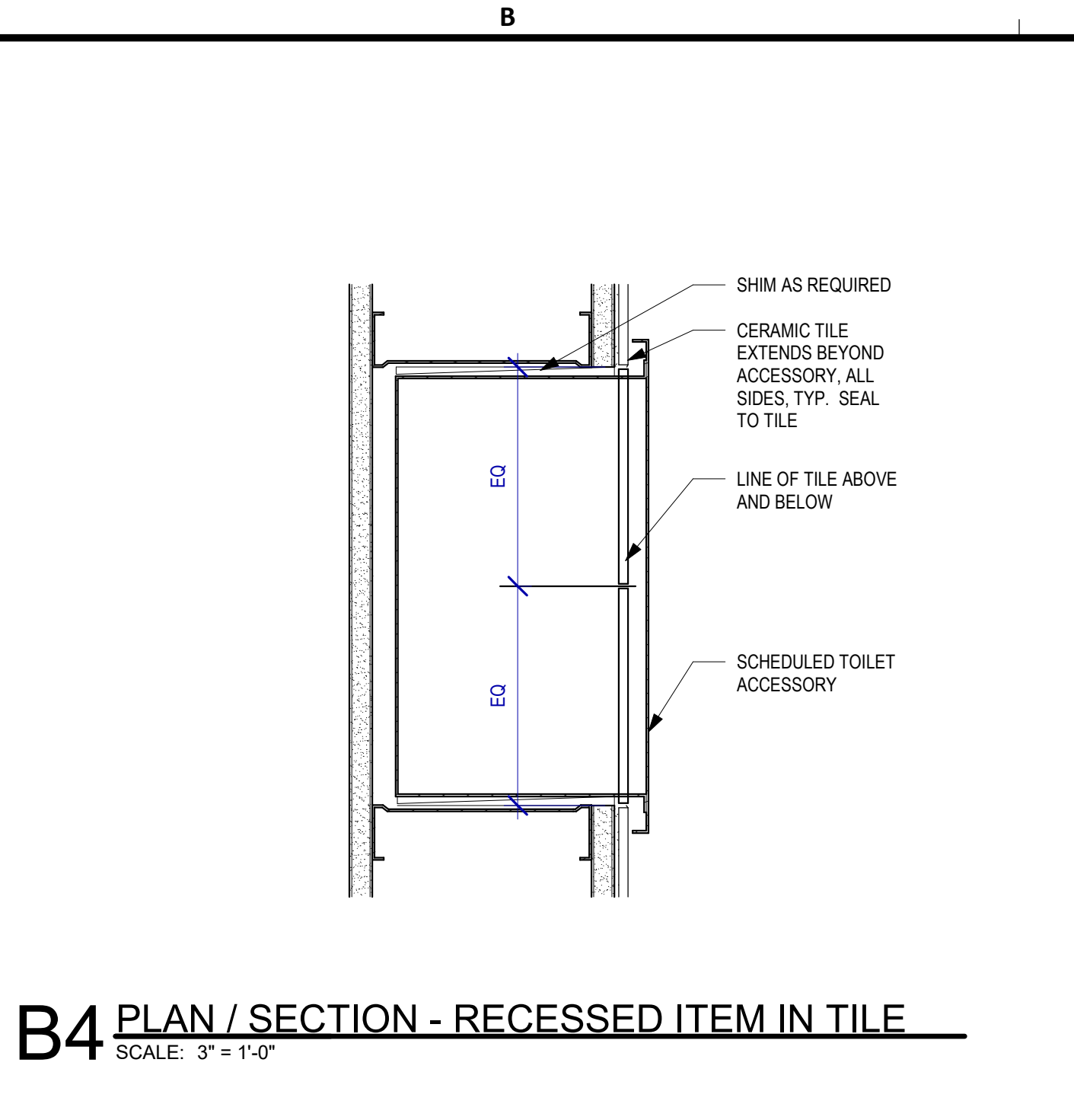
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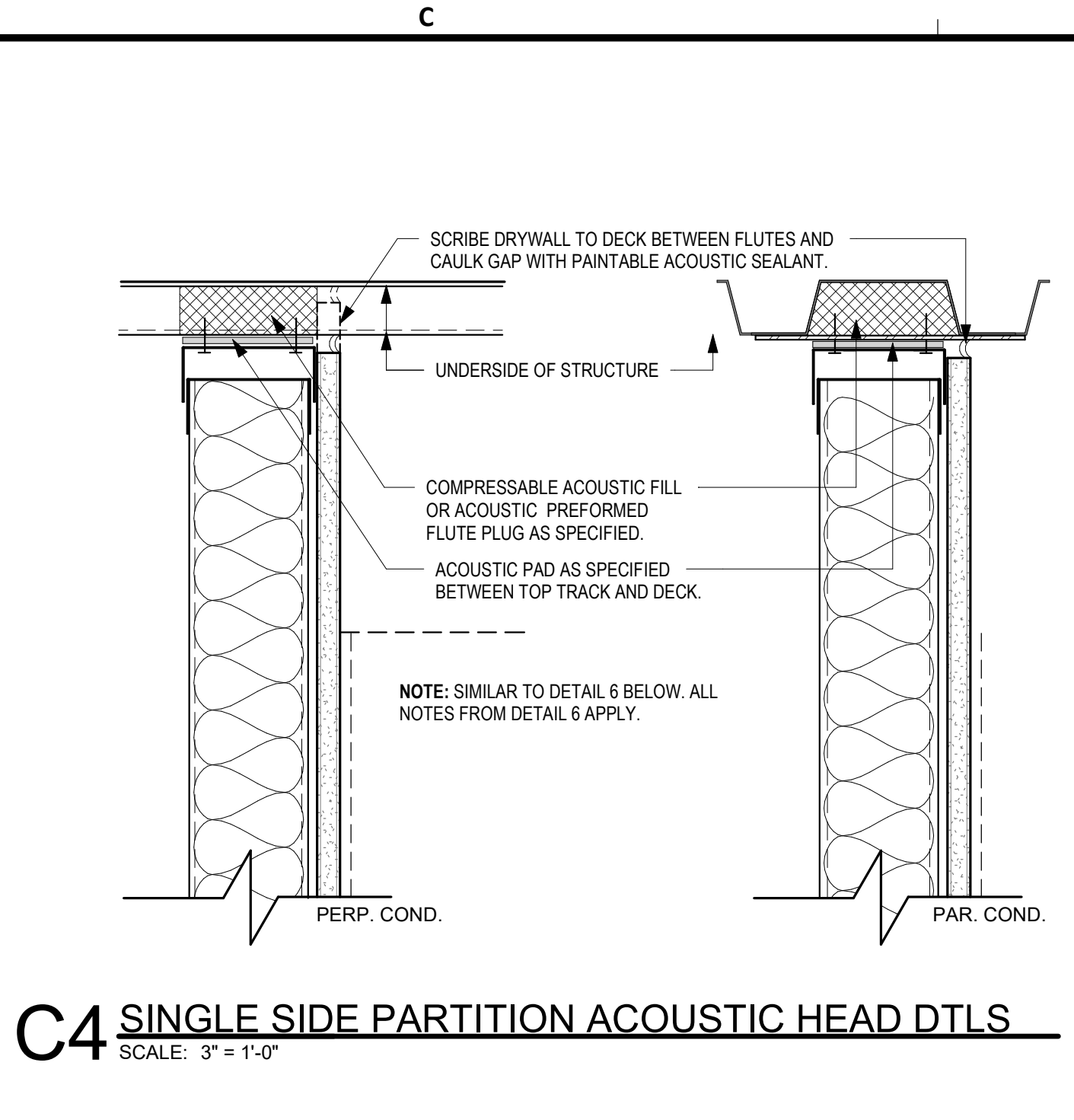
PLOT DATE:



A4 FIRESAFING FLOOR CORE
SCALE: 3" = 1'-0"



B4 PLAN / SECTION - RECESSED ITEM IN TILE
SCALE: 3" = 1'-0"



C4 SINGLE SIDE PARTITION ACOUSTIC HEAD DTLS
SCALE: 3" = 1'-0"

PARTITION TYPE NOTES

- PARTITION TYPES SCHEDULED DEFINES ASSEMBLY TYPES AND VARIATIONS WITHIN EACH TYPE REFER TO FLOOR PLANS TO DETERMINE THE LOCATION FOR EACH TYPE.
- REFER TO G-003 FOR GENERAL NOTES
- ALL GYPSUM WALLBOARD (INCLUDING CEILINGS) 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 COMPLES WITH MIN. DESIGN LOAD OF L420 & 10 PSF AND 5PSF 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 SEPARATIONS LESS THAN 9" WITH MIN. 4 1/4" METAL BRACE. AT SEPARATIONS 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.

PARTITION TYPE KEY CODE

AS4A

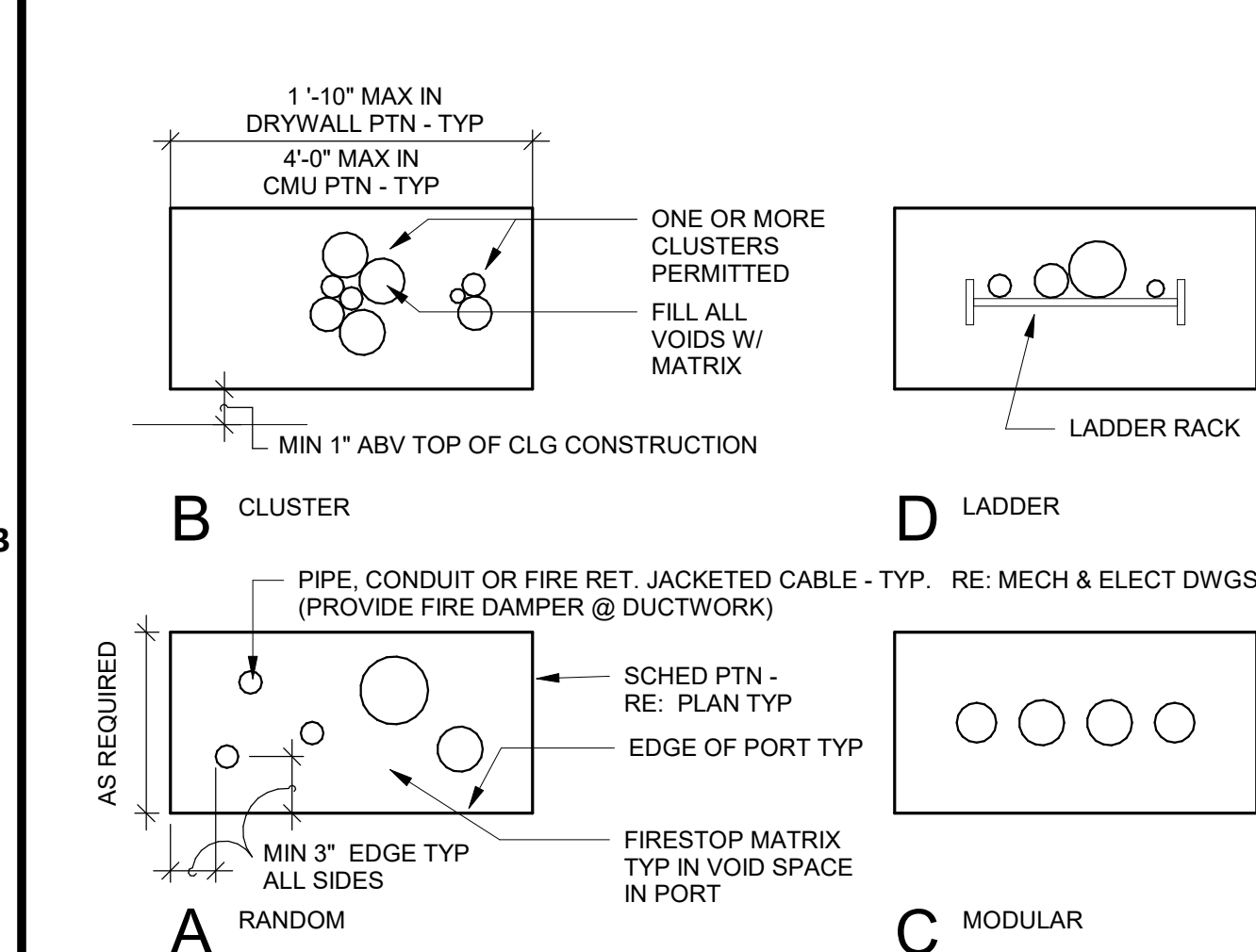
FIRST CHARACTER: PARTITION TYPE - REFERENCE DIAGRAMS THIS SHEET

SECOND CHARACTER GROUP: SPECIALTY CHARACTERISTIC (IF APPLICABLE)

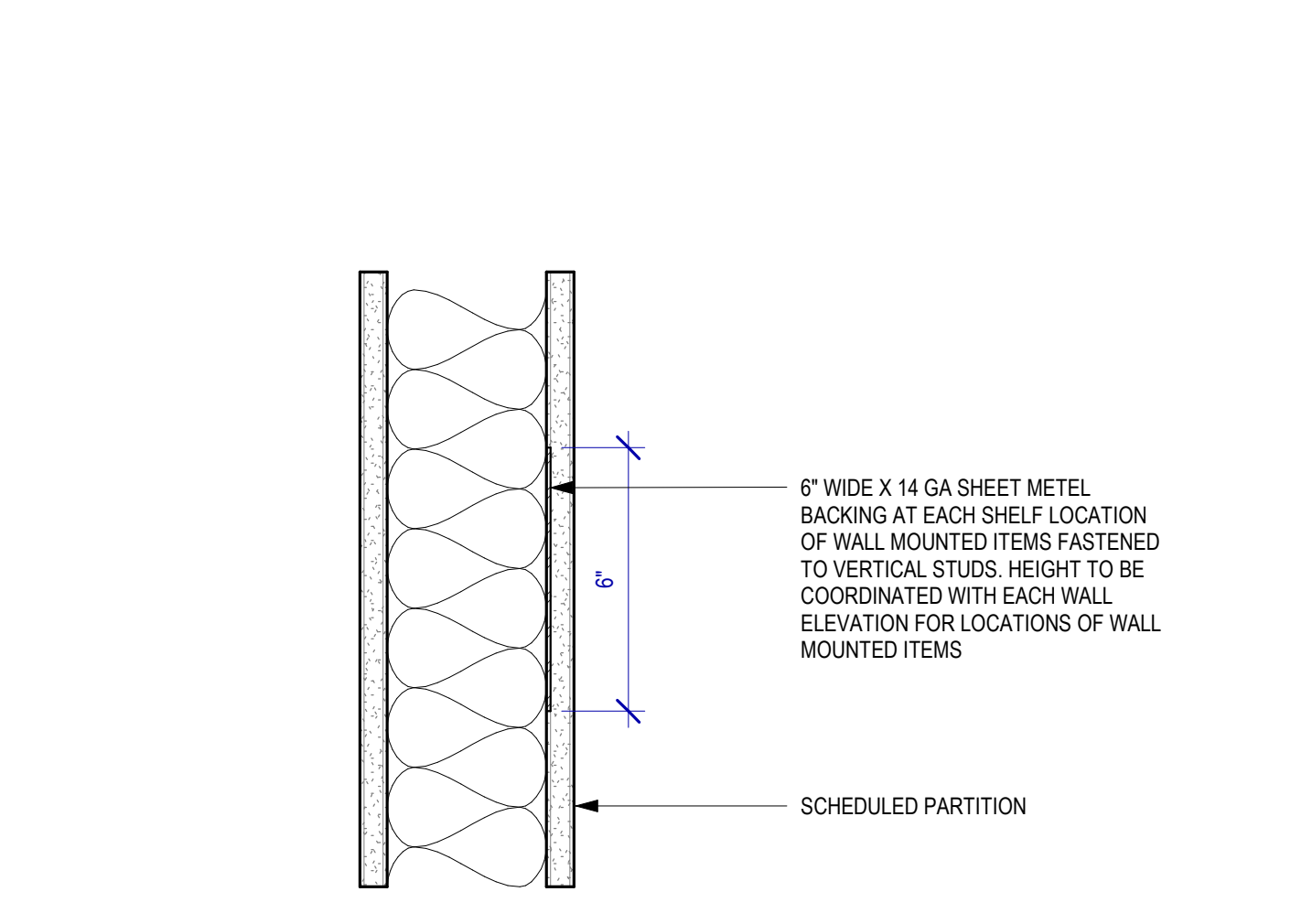
THIRD CHARACTER: STUD THICKNESS AS FOLLOWS (REFER TO PLAN):

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

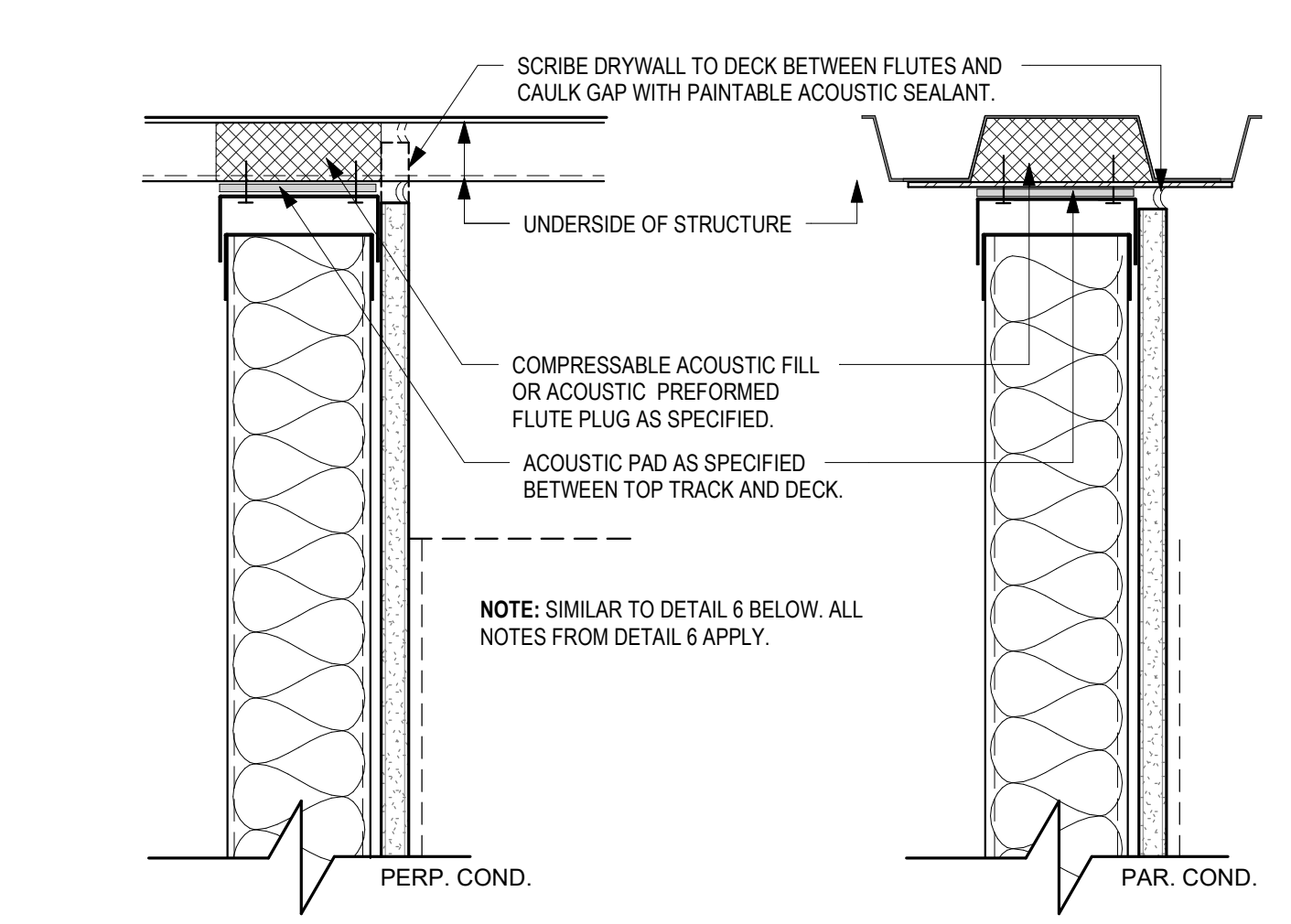
GRAPHIC EXAMPLE: PARTITION TYPE AS4S



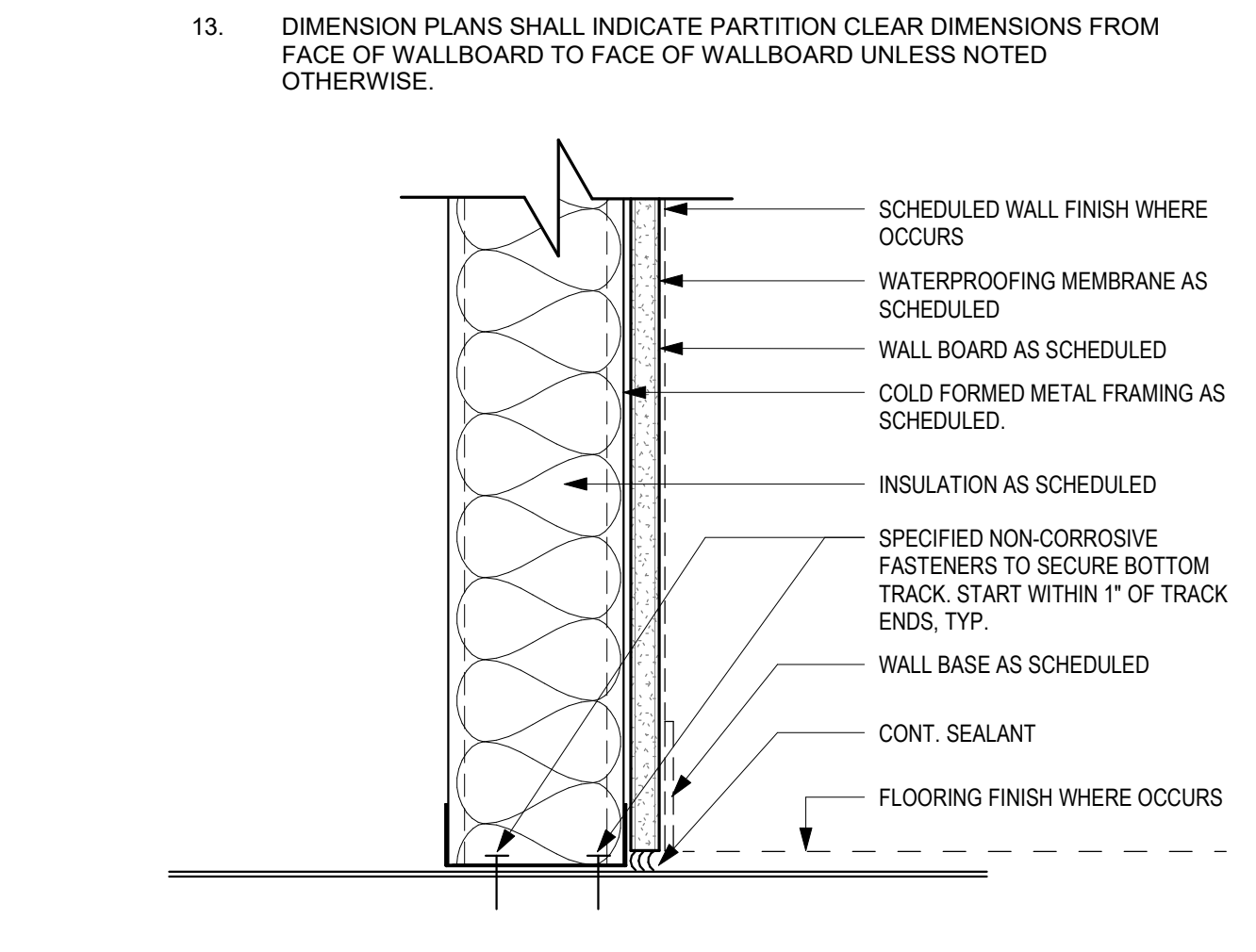
A3 FIRESAFING DETAIL CONDUIT
SCALE: 3" = 1'-0"



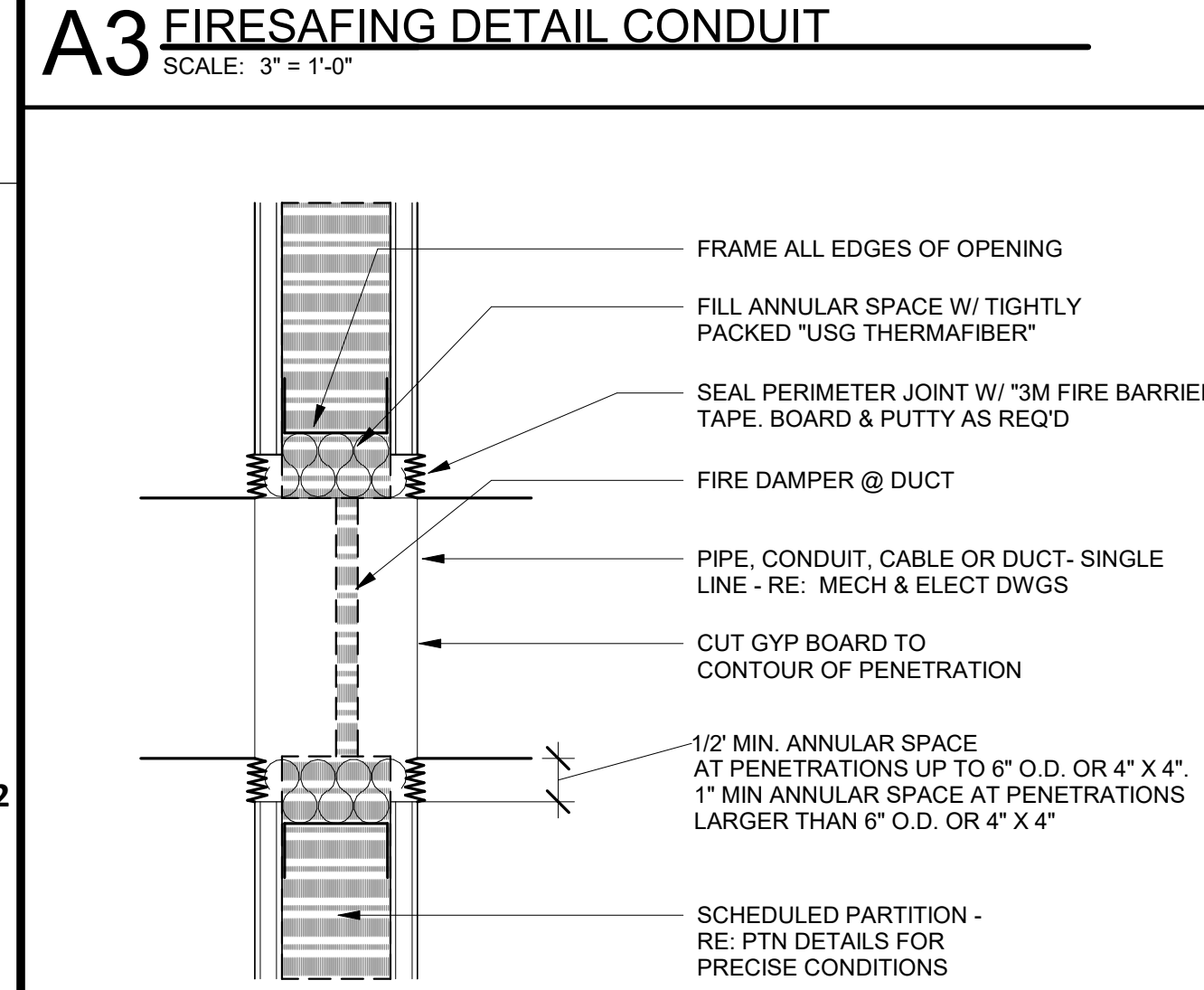
B3 PLAN, SECTION - TYP. PARTITION BACKING
SCALE: 3" = 1'-0"



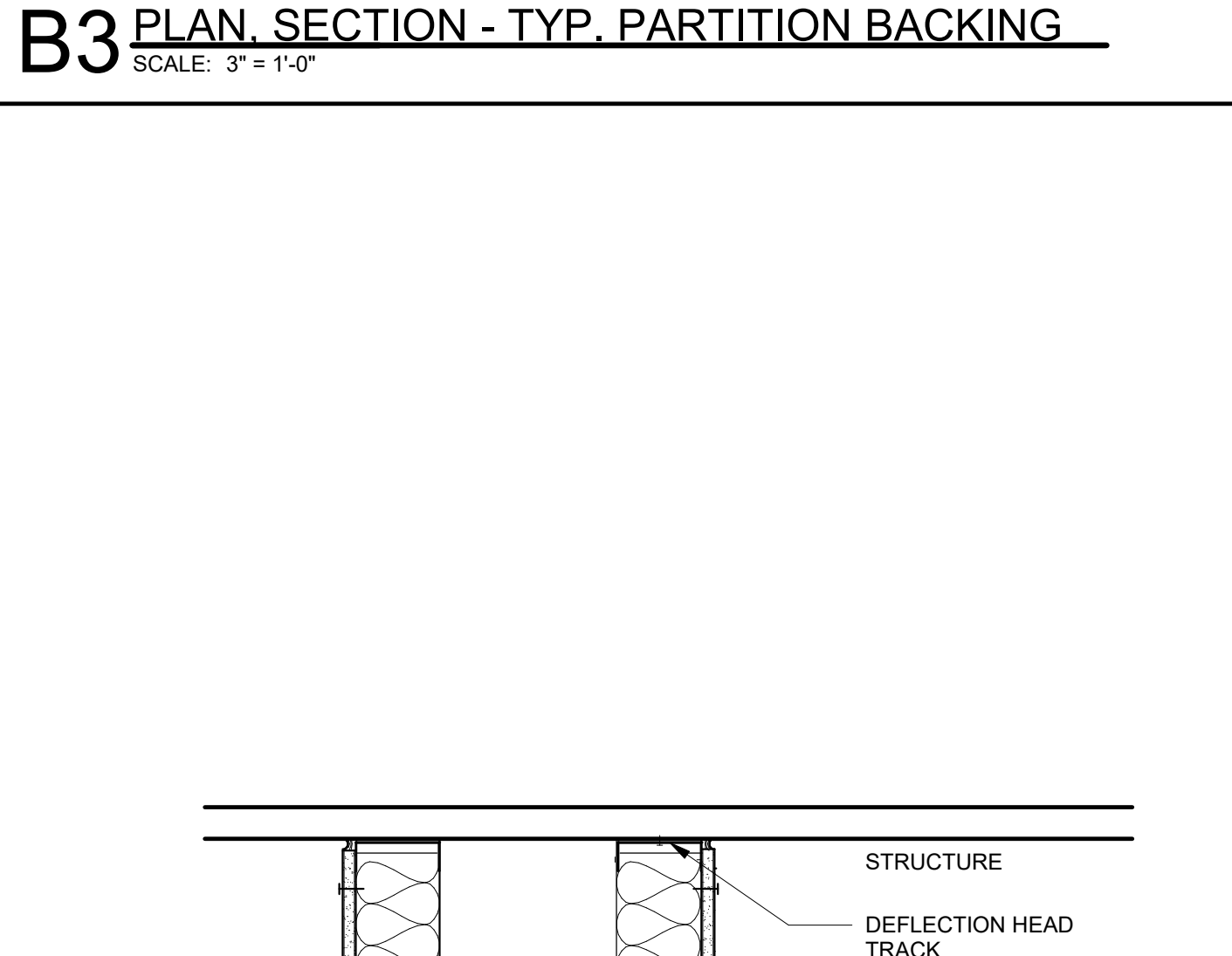
C3 SINGLE SIDE FIRE RATED HEAD DTLS
SCALE: 3" = 1'-0"



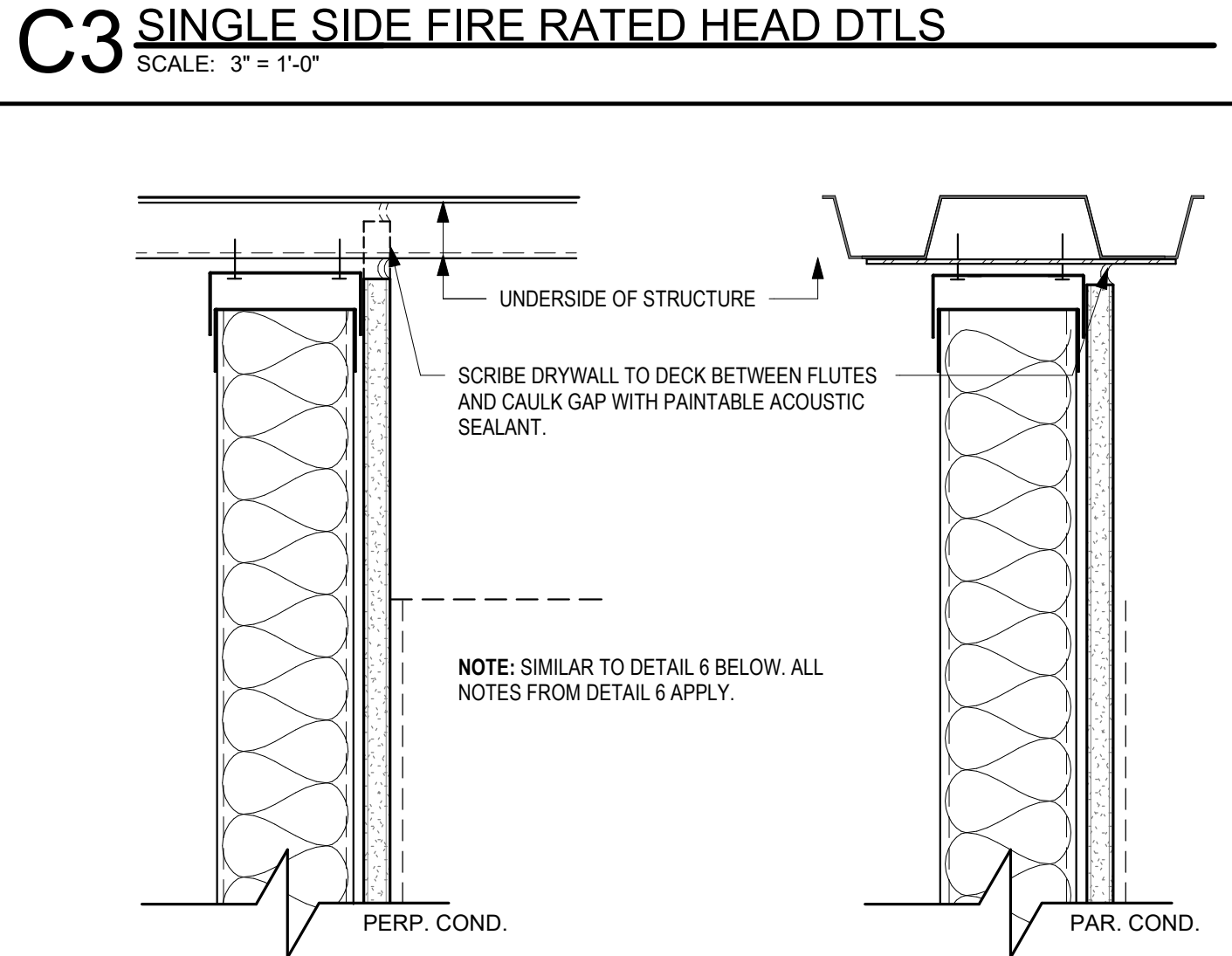
D3 SINGLE SIDED PARTITION BASE DETAIL
SCALE: 3" = 1'-0"



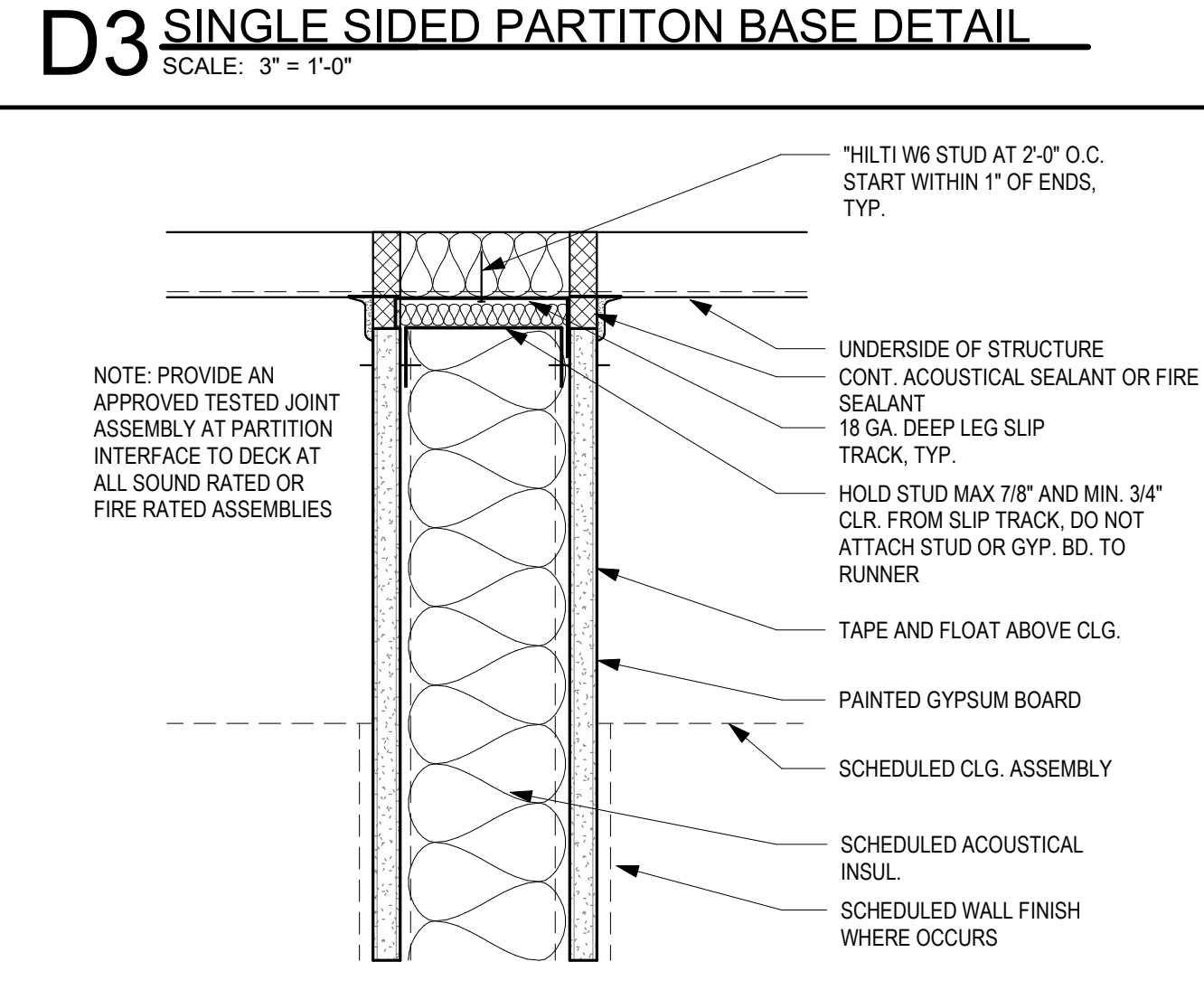
A2 FIRESAFING DETAIL DAMPER
SCALE: 3" = 1'-0"



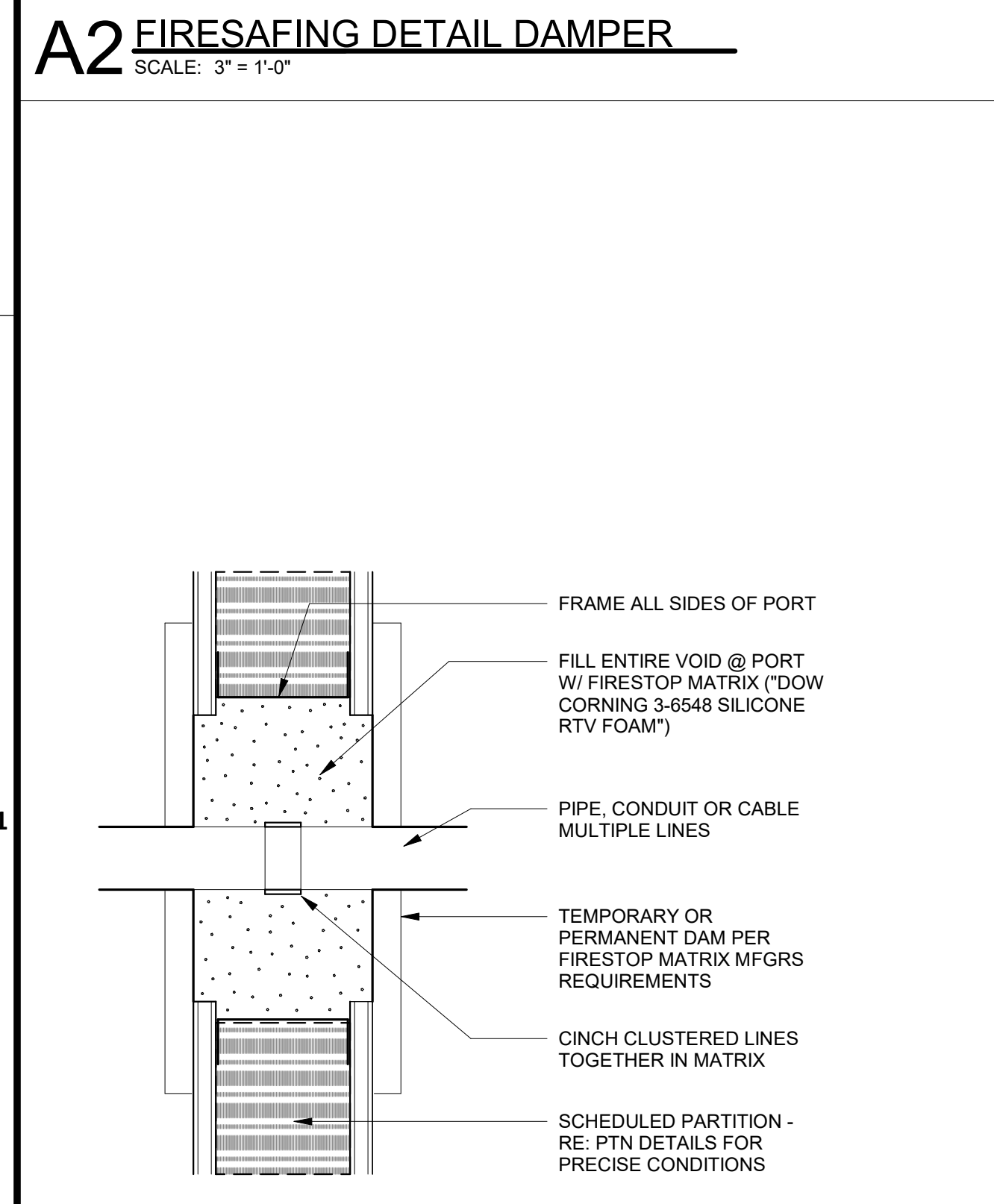
B1 TYPICAL PLUMBING CHASE DETAIL
SCALE: 1 1/2" = 1'-0"



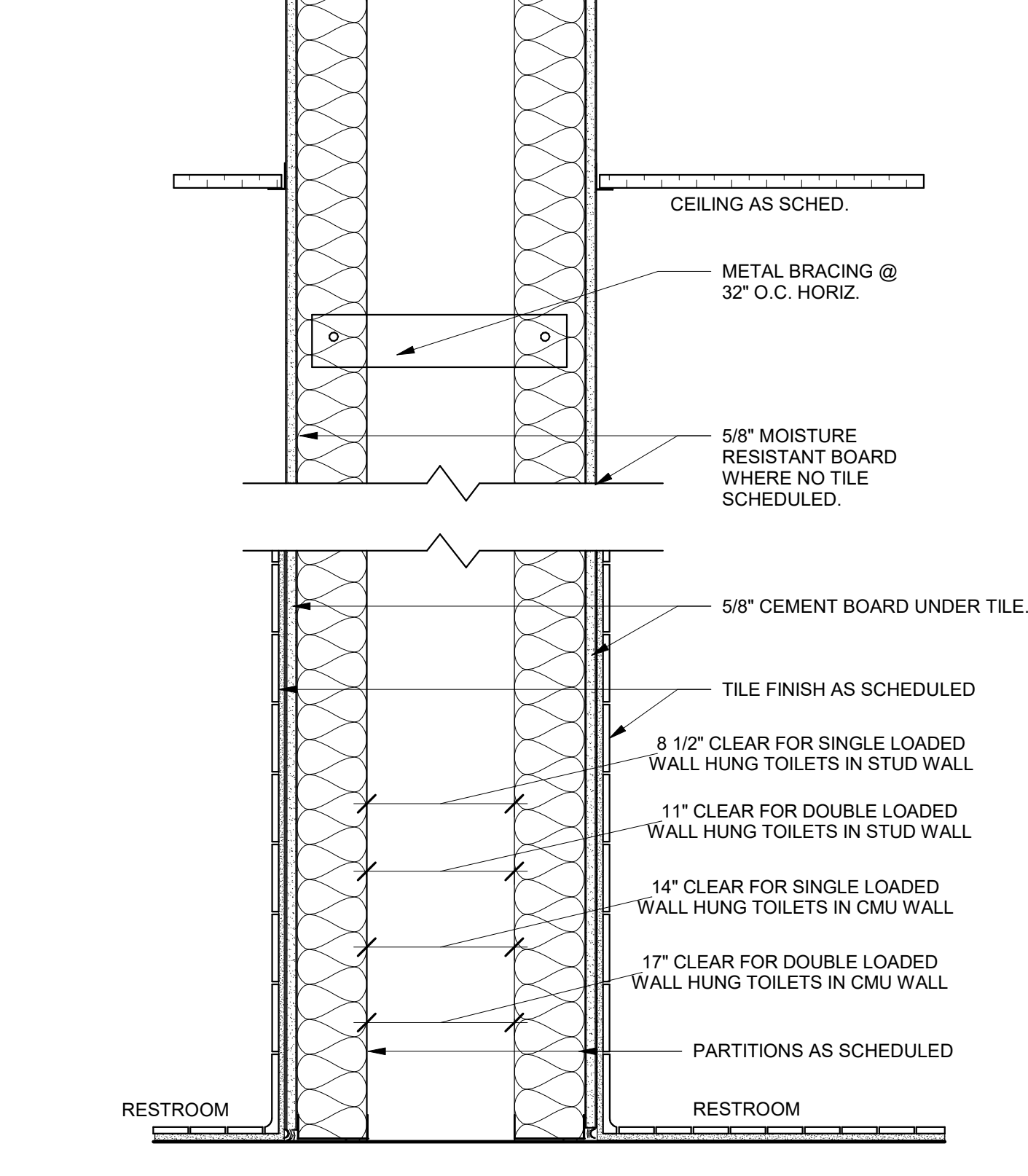
C2 SINGLE SIDE PARTITION TYPICAL HEAD DETAILS
SCALE: 3" = 1'-0"



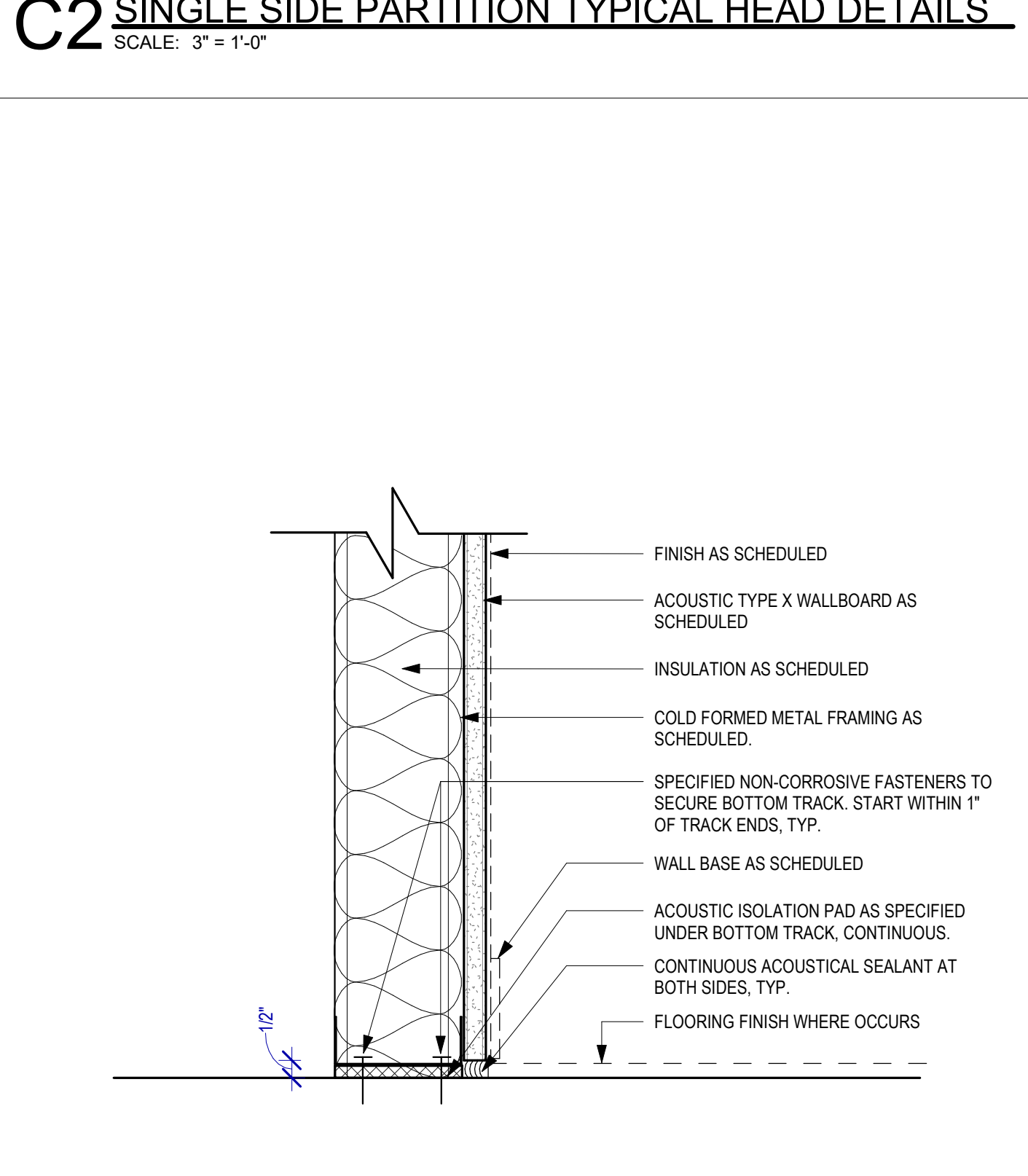
D2 HEAD @ TYPE "A" PARTITION
SCALE: 3" = 1'-0"



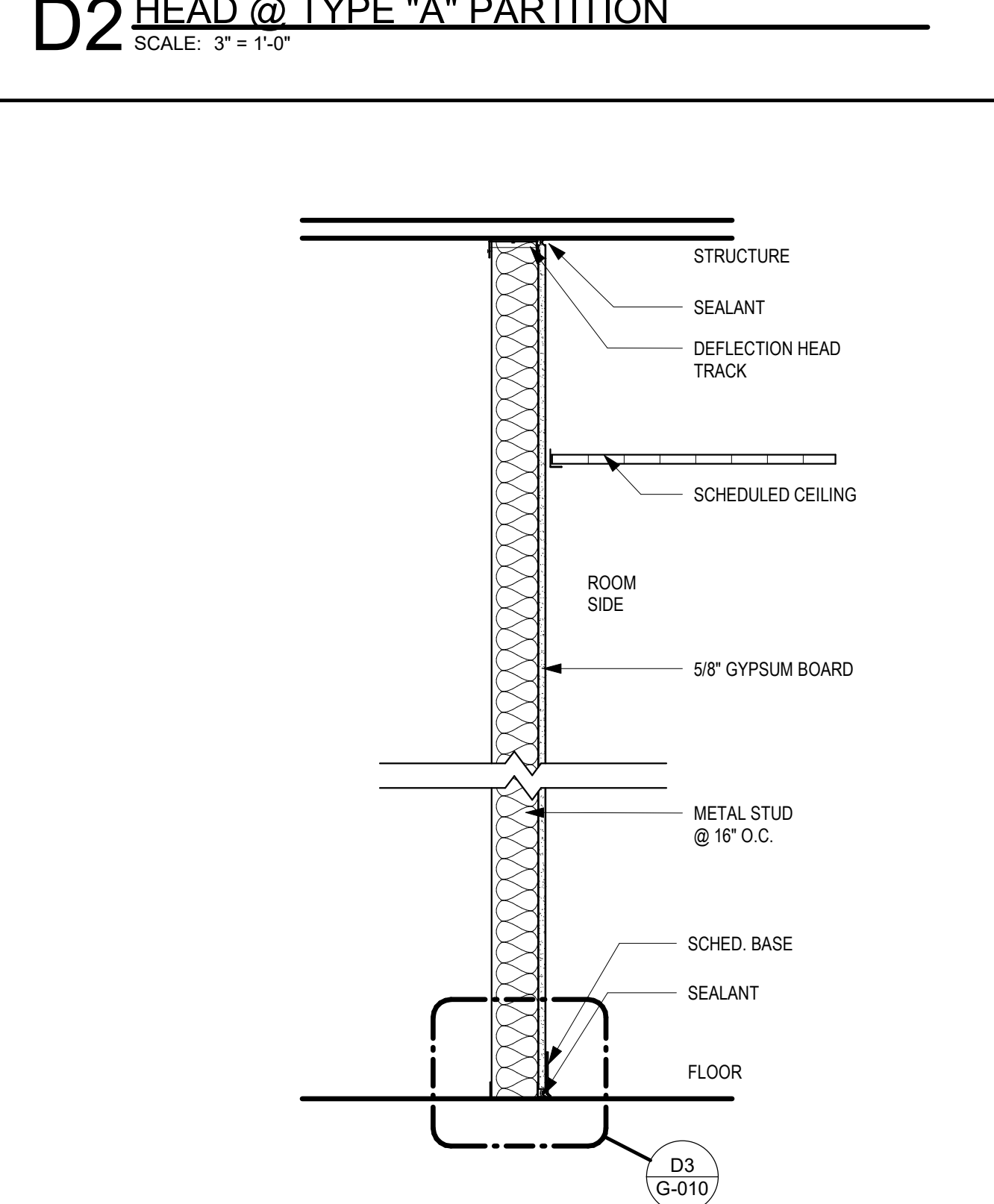
A1 FIRESAFING DETAIL - PIPE THRU PARTITION
SCALE: 3" = 1'-0"



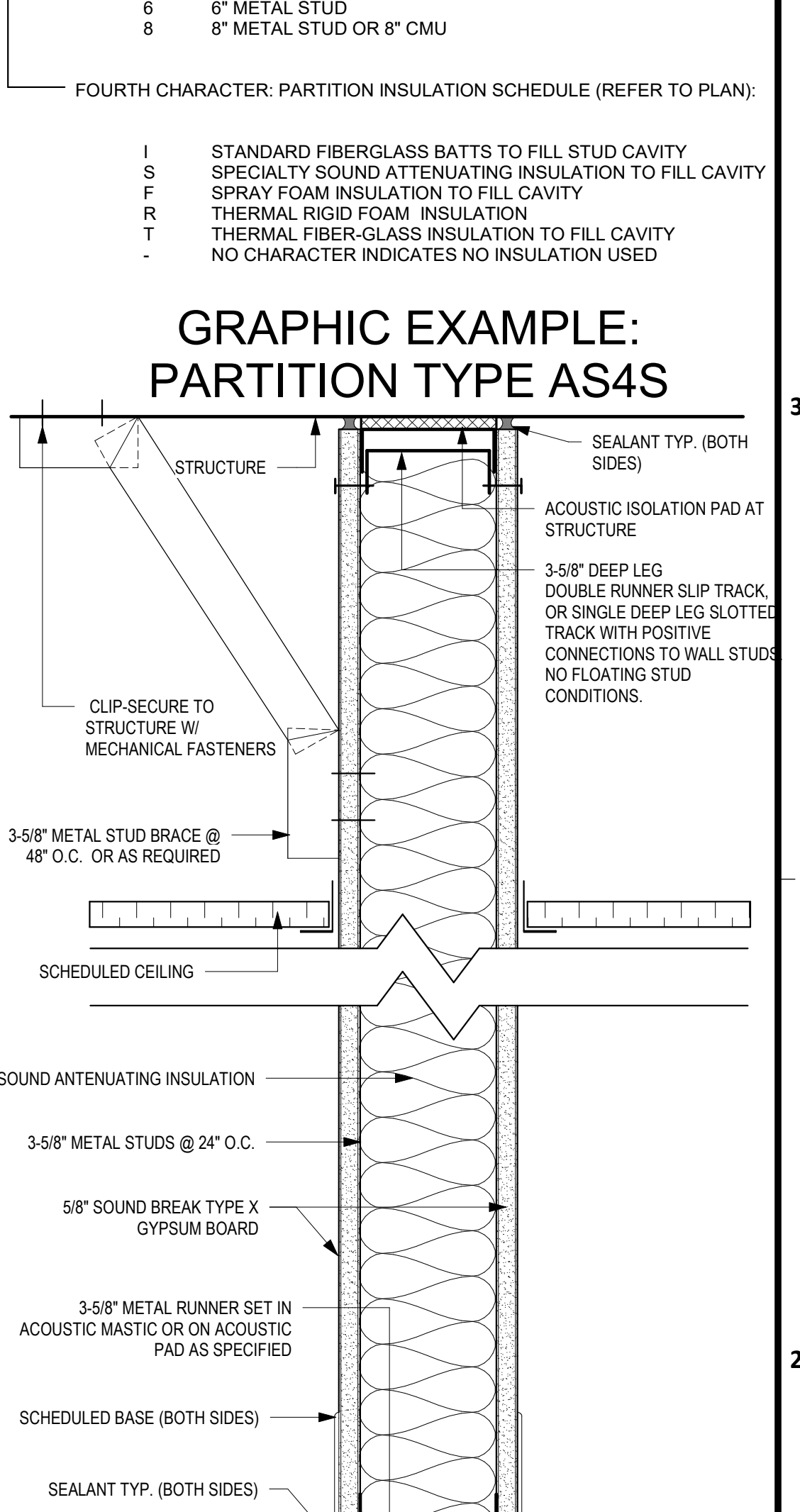
B2 SINGLE SIDE PARTITION TYPICAL HEAD DETAILS
SCALE: 3" = 1'-0"



C1 SINGLE SIDE ACOUSTIC PARTITION BASE
SCALE: 3" = 1'-0"



D1 PARTITION TYPE B - SINGLE SIDED
SCALE: 1" = 1'-0"



E1 PARTITION TYPE A
SCALE: 1" = 1'-0"

HOUSTON AIRPORTS

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JONES ENGINEERS, L.P.

HENDERSON ROGERS
structural engineers
2603 Augusta, Suite 800
Houston, Texas 77057
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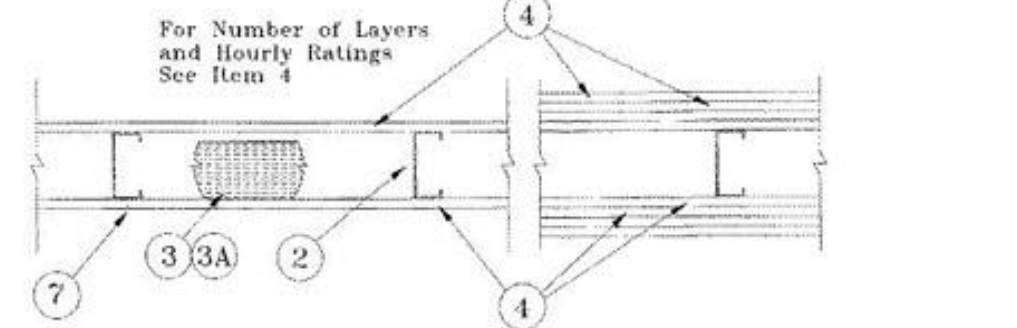
IFB
ISSUED FOR BIDDING

REGISTERED ARCHITECT
DANIEL ORTIZ
STATE OF TEXAS
03.22.22

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

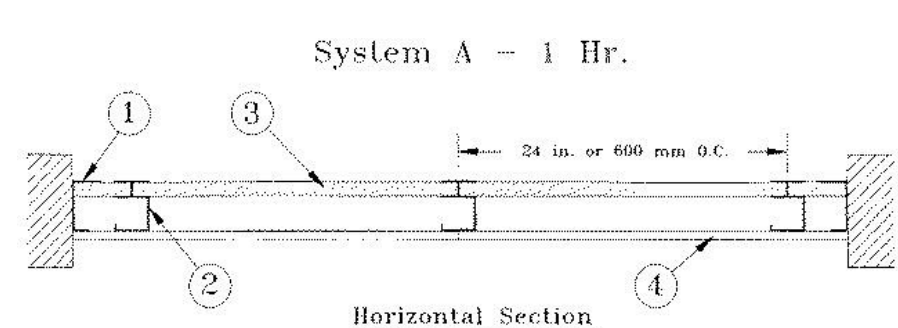
DESIGN NO. U419

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



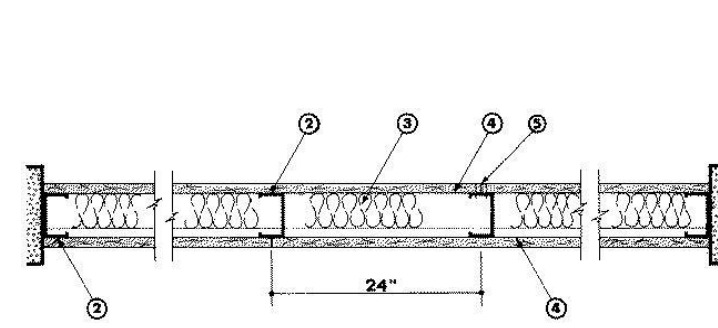
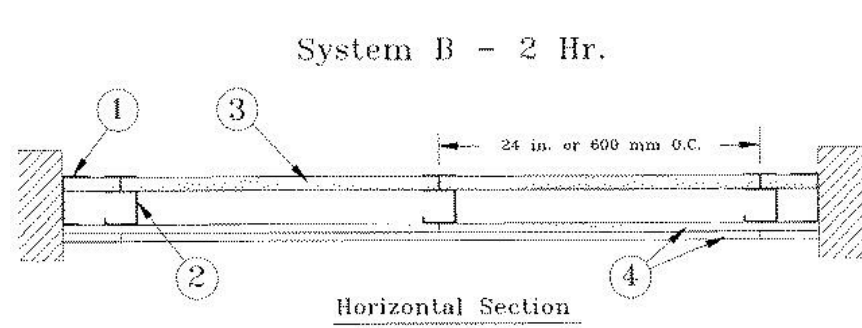
DESIGN NO. U415 NONBEARING

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



DESIGN NO. U448

DESIGN NO. U448



- 1. Floor and Ceiling Runners -- (Not shown) -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel...

- 1. Floor, Side and Ceiling Runners-- "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used)...

- 4. 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...

- 1. 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.

Table with 5 columns: Rating, Min Stud, Depth of Panel, No. of Layers, Min Thkns of Insulation. Lists wallboard protection details for ratings 1 through 4.

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 or WRC; 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 or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

- 3. 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.

USG MEXICO S A DE C V -- 1/2 in. thick Type C, IP-X2, 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

- 4. 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.

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 or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

- 2. 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.

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 or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

- 5. 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.

- 3. Gypsum Board* - Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C"-sh studs or the gap between the two 3/4 in. legs of the "E" studs.

- 4. 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.

- 3. 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 7) not required.

- 6. 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.

- 4. Gypsum Board* - System B - 2 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.

- 4. Gypsum Board* - System B - 2 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.

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- 7. 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.

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- 8. 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.

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- 9. 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

- 4. Gypsum Board* - System B - 2 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.

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HOUSTON AIRPORTS logo and contact information: 7800 Airport Blvd, Houston, TX 77061. HOU RESTROOM RENOVATIONS PHASE 2.

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

JONES ENGINEERS, L.P. logo and contact information: 2603 Augusta, Suite 800, Houston, Texas 77057. 713.430.5800

HENDERSON ROGERS structural engineers. 2603 Augusta, Suite 800, Houston, Texas 77057. 713.430.5800

DESIGNER PROJECT No.: 1429.05. PROJECT STATUS: IFB.

Table with 3 columns: No., DESCRIPTION, DATE, BY. Row 1: 1, Issued For Bidding, 03.22.22, HB.

DESIGN BY: KATHERINE DOMINGUEZ. DRAWN BY: HECTOR BERRIOS. CHECKED BY: DANIEL ORTIZ. ISSUE DATE: 03.22.2022. APPROVED BY: DANIEL ORTIZ. APPROVAL DATE: 03.22.2022.

DIRECTOR of HOUSTON AIRPORT SYSTEM. IFB logo and seal.

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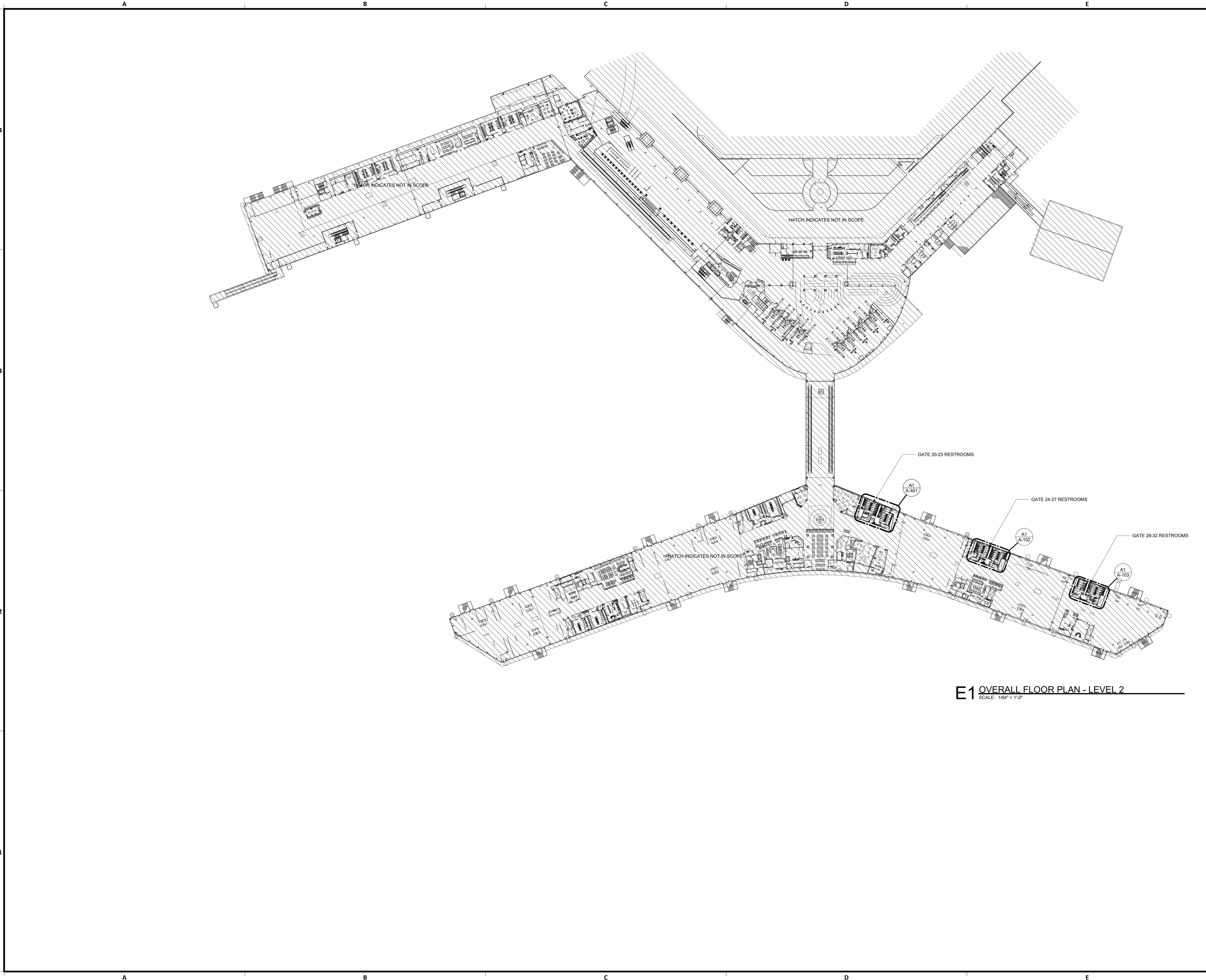
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SHEET SIZE: 30"x42" ARCH E1. Aconex File Name: I-19-C-925F - G-011 - 1

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt. PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE: 1

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt
HAS FILE:



E1 OVERALL FLOOR PLAN - LEVEL 2
SCALE: 1/64" = 1'-0"



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**HOU RESTROOM RENOVATIONS
PHASE 2**

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C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

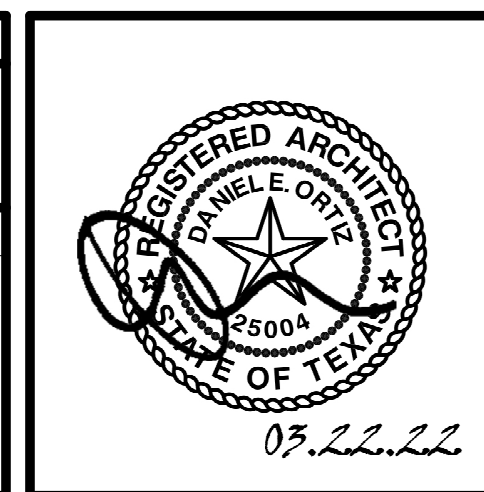
REVISIONS

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SHEET NAME: OVERALL FLOOR PLAN - LEVEL 2
SHEET No. G-040 SCALE: 1/64" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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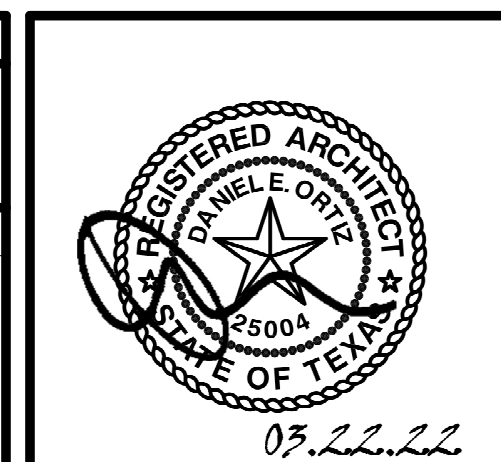
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SHEET NAME: PLUMBING COUNT PLAN AND CODE SUMMARY
 SHEET No. G-041 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

CONSTRUCTION CLASSIFICATION

EXISTING AIRPORT
 OCCUPANCY TYPE: A
 NUMBER OF STORIES: 3
 CONSTRUCTION TYPE: IA
 SPRINKLER: YES
 FIRE RATING OF STRUCTURAL ELEMENTS: COLUMNS: 4HR
 BEAMS: 3HR
 ELEVATOR SHAFTS: 2HR
 FLOOR: 2HR

| RESTROOM | | USE GROUP | WATER CLOSETS MEN | WATER CLOSETS WOMEN | URNAL MEN | LAVS MEN | LAVS WOMEN | SINGLE OCCUPANT RESTROOM | SERVICE SINK |
|-------------|----------|-----------|-------------------|---------------------|-----------|----------|------------|--------------------------|--------------|
| GATES 20-23 | EXISTING | B | 5 | 12 | 7 | 4 | 5 | NA | |
| | PROPOSED | B | 5 | 12 | 7 | 8 | 9 | NA | |
| GATES 24-27 | EXISTING | B | 5 | 10 | 6 | 4 | 5 | 1 | 1 |
| | PROPOSED | B | 5 | 10 | 6 | 8 | 9 | 1 | 1 |
| GATES 28-32 | EXISTING | B | 4 | 9 | 4 | 2 | 5 | 1 | 1 |
| | PROPOSED | B | 4 | 9 | 4 | 4 | 9 | 1 | 1 |

APPLICABLE BUILDING CODES

2012 INTERNATIONAL BUILDING CODE
 2012 INTERNATIONAL FIRE CODE
 2012 UNIFORM MECHANICAL CODE
 2012 UNIFORM PLUMBING CODE
 2017 NATIONAL ELECTRICAL CODE
 2015 HOUSTON COMMERCIAL ENERGY CONSERVATION CODE
 CITY OF HOUSTON SIGN CODE
 CITY OF HOUSTON BUILDING CODE AMENDMENTS
 HAS STANDARDS
 STATE OF TEXAS ACCESSIBILITY STANDARDS

BUILDING CODE SUMMARY

PROJECT DESCRIPTION
 RENOVATION TO EXISTING RESTROOMS

OCCUPANCY CLASSIFICATION (EXISTING TO REMAIN - OCCUPANCY CLASSIFICATION / OCCUPANCY LOAD NOT AFFECTED BY WORK)
 GROUP A-3: RESTROOMS IN TRANSPORTATION TERMINALS, ACCESSORY OCCUPANCY

ACCESSORY OCCUPANCIES

508.3.1 SUBSIDIARY OCCUPANCIES NOT MORE THAN 10% OF THE FLOOR AREA OF THE STORY IN WHICH THEY ARE LOCATED ARE NOT REQUIRED TO BE SEPARATED.
 508.3.2.1 NONSEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION 902.1. CODE REQUIREMENTS SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY CLASSIFICATION OF THAT SPACE EXCEPT THAT THE MOST RESTRICTIVE APPLICABLE PROVISIONS OF SECTION 403 AND CHAPTER 9 SHALL APPLY TO THE ENTIRE BUILDING OR PORTION THEREOF.

CONSTRUCTION REQUIREMENTS

CONSTRUCTION TYPE: TYPE 1A, (FULLY SPRINKLERED)

TABLE 601 FIRE RESISTIVE REQUIREMENTS FOR BUILDING ELEMENTS

| Building Element | Fire Resistance Rating |
|--------------------|------------------------|
| STRUCTURAL FRAME | 3-HOUR |
| BEARING WALLS | 3-HOUR |
| NONBEARING WALLS | 0-HOUR |
| FLOOR CONSTRUCTION | 2-HOUR |
| ROOF CONSTRUCTION | 1.5-HOUR |

INTERIOR FINISHES

803.1.1 INTERIOR WALL AND CEILING MATERIALS

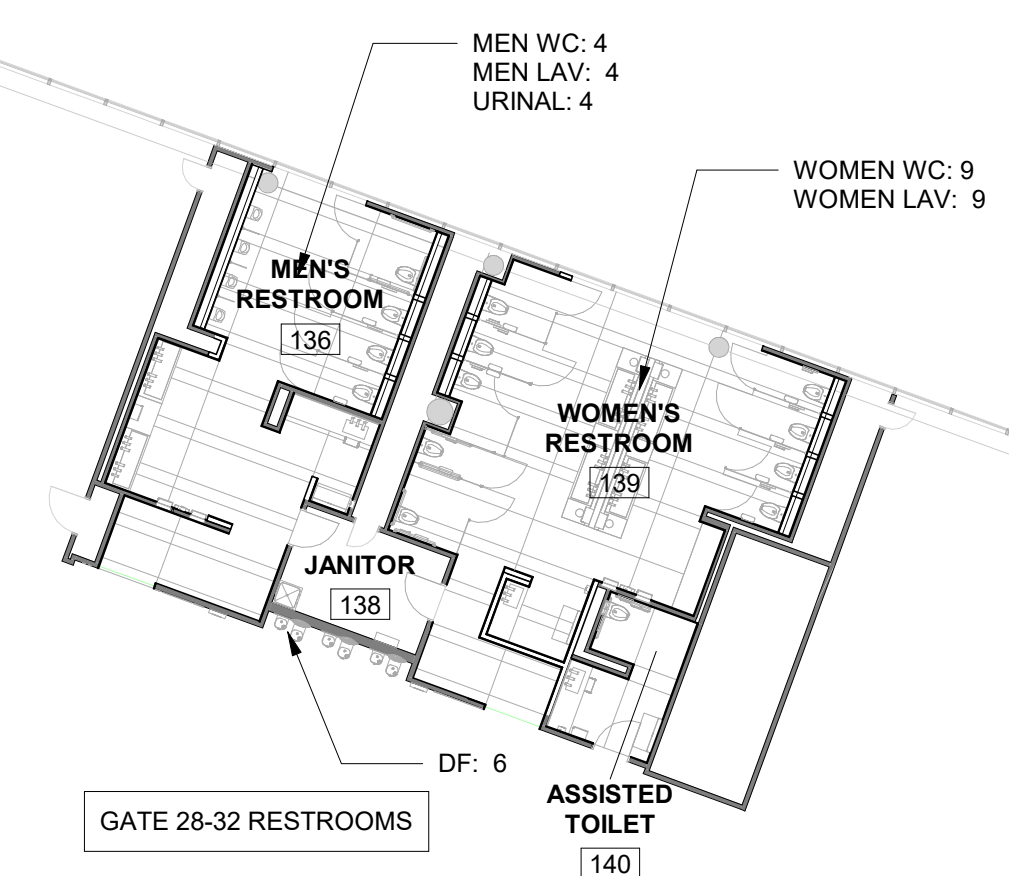
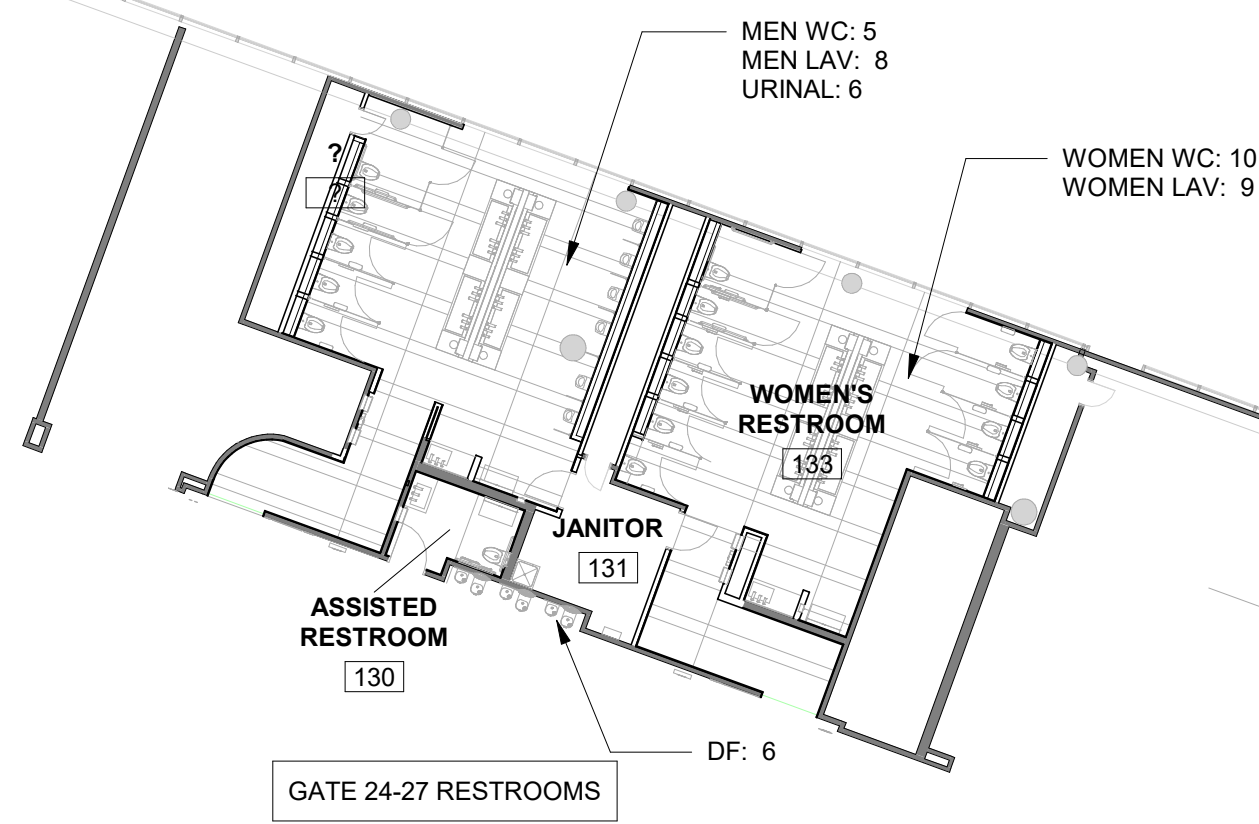
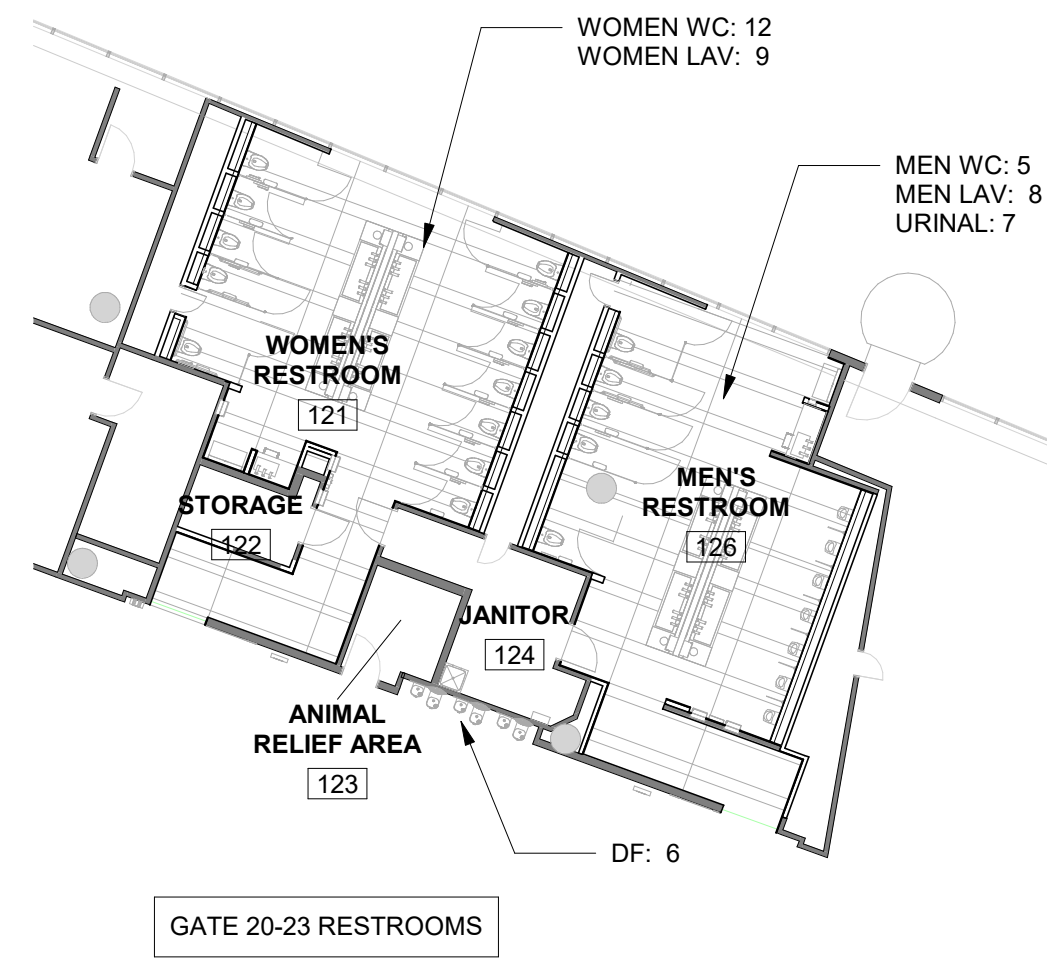
INTERIOR WALL AND CEILING MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723

| 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

BUILDING CODE SUMMARY

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



1 LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

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



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HOU RESTROOM RENOVATIONS PHASE 2

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

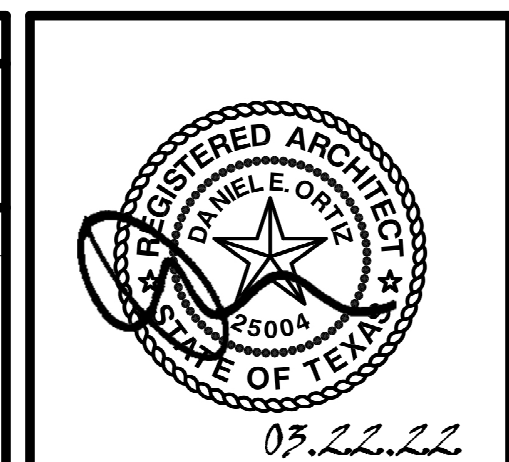
REVISIONS

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APPROVAL DATE: 03.22.2022

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SHEET NAME: CONSTRUCTION PHASING PLAN

SHEET No. G-042 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

CONSTRUCTION PHASING NOTES

1. PHASE TWO CONSTRUCTION SHALL BEGIN WHEN ALL OF PHASE 1 CONSTRUCTION HAS BEEN COMPLETED AND IS OPENED FOR CUSTOMER USE.
2. PHASE THREE CONSTRUCTION SHALL BEGIN WHEN ALL OF PHASE 2 CONSTRUCTION HAS BEEN COMPLETED AND IS OPENED FOR CUSTOMER USE.
3. COORDINATE CONSTRUCTION SCHEDULE WITH HOUSTON AIRPORT SYSTEMS AND HOBBY AIRPORT.
4. TEMPORARY PARTITIONS SHALL BE INSTALLED PRIOR TO EACH PHASE OF CONSTRUCTION. RE: PLAN FOR LOCATIONS. PARTITION TO BE MIN. 10' AFF. TYP.

LEGEND

- PHASE 1
- PHASE 2
- PHASE 3



E2 CONSTRUCTION PHASING PLAN

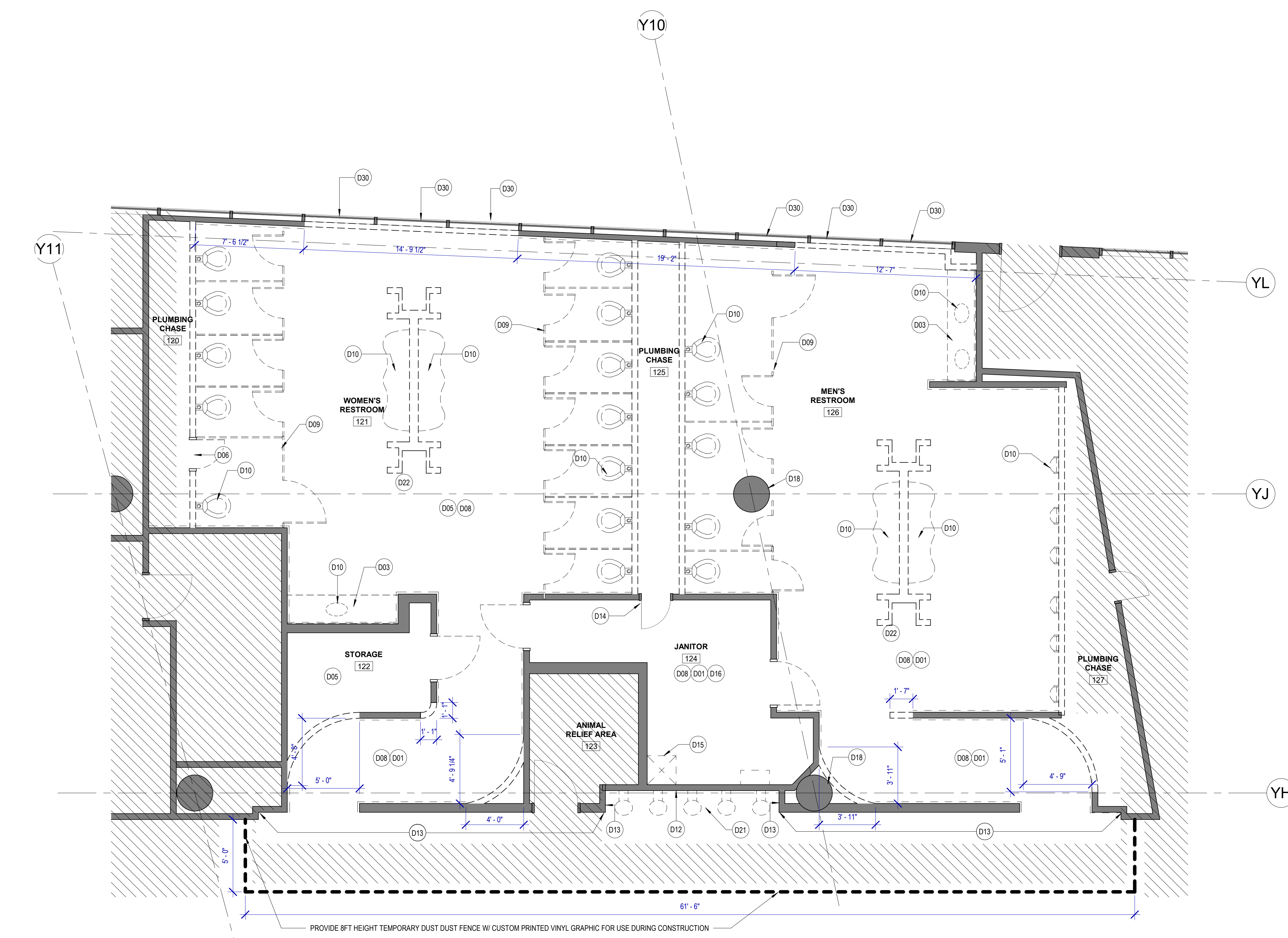
SCALE: 1/16" = 1'-0"

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

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

PLOT DATE: DOA DWG FILE: DOA DDA No.: PLOT DATE: FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt HAS FILE:



A1 DEMOLITION PLAN - GATE 20-23 RESTROOMS
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 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 PREPPED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. U/I/O
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL IT EQUIPMENT, SMART RESTROOM TECHNOLOGY SHALL BE REMOVED, PROTECTED AND REINSTALLED BY THE CONTRACTOR. THIS SHALL INCLUDE BUT NOT LIMITED TO PEOPLE COUNTER (CAMERAS), IPAD'S, WIFI DEVICES, SPEAKERS, CABLING, COMMUNICATION CABINET ETC. ALL DEVICES SHALL BE REINSTALLED PER HAS IT STANDARDS AND SPECIFICATION BY 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.
- EXISTING TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. CONTRACTOR TO CAREFULLY REMOVE EACH PANEL AND ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING GYP BOARD TO REMAIN AND STUD FRAMING OR AS REQUIRED PER DRAWING.

KEYNOTE LEGEND

| KEY VALUE | KEYNOTE TEXT |
|-----------|--|
| D01 | REMOVE ALL EXISTING FINISHES AND GYP BD. FROM METAL STUDS |
| D03 | REMOVE EXISTING COUNTER TOP |
| D05 | PROTECT EXISTING WALLS TO REMAIN |
| D06 | REMOVE EXISTING HM DOOR & FRAME. SALVAGE FOR REINSTALLATION. |
| D08 | REMOVE EXISTING FLOOR TILE & PREP AS REQUIRED FOR INSTALLATION OF NEW TILE |
| D09 | REMOVE EXISTING TOILET PARTITIONS |
| D10 | REMOVE EXISTING PLUMBING FIXTURES & STEEL SUPPORTS. PLUMBING LINES TO BE PREPARED/RELOCATED AS REQUIRED FOR NEW WORK. TYP. |
| D12 | REMOVE EXISTING GRANITE FINISH, S.S. BASE AND GYP BD. REFRAME WALL AS REQUIRED FOR NEW DRINKING FOUNTAINS. |
| D13 | REMOVE EXISTING SLATE FINISH, S.S. BASE AND GYP BD. |
| D14 | EXISTING HM DOOR & FRAME TO REMAIN. |
| D15 | REMOVE EXISTING MOP SINK |
| D16 | REMOVE AND SALVAGE ALL JANITOR CLOSET ACCESSORIES FOR REINSTALLATION. |
| D18 | REMOVE EXISTING CERAMIC TILE FINISH & PREP COLUMN FOR NEW FINISH. |
| D21 | REMOVE EXISTING DRINKING FOUNTAINS |
| D22 | EXISTING IPAD. REMOVE, PROTECT AND SALVAGE FOR RELOCATION. |
| D30 | REMOVE EXISTING SPANDREL GLAZING FROM CURTAIN WALL |

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- REFER TO NOTE D01
- LIGHT FIXTURES TO BE REMOVED. REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.



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**HOU RESTROOM RENOVATIONS
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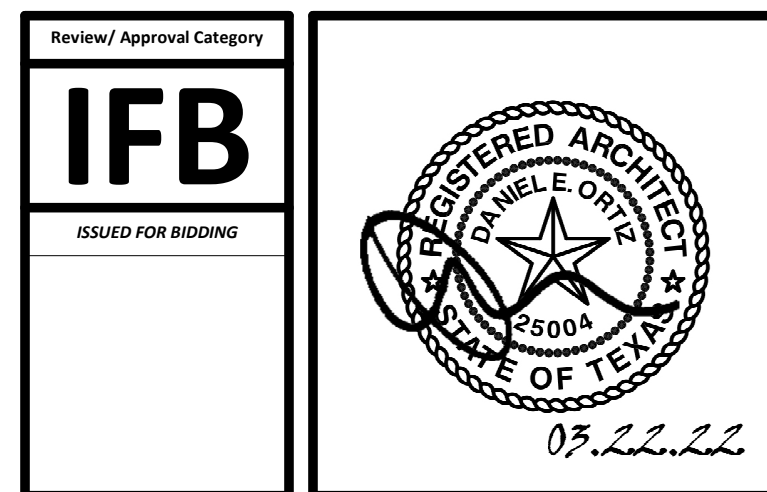
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

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ISSUE DATE: 03.22.2022
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APPROVAL DATE: 03.22.2022

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SHEET NAME: DEMOLITION PLAN - GATE 20-23 RESTROOMS
SHEET No. AD-101 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



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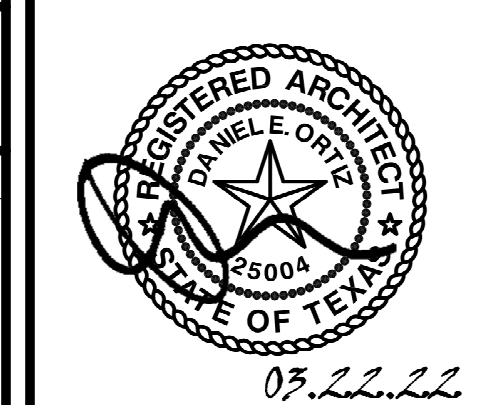
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SHEET NAME: DEMOLITION PLAN - GATE 24-27 RESTROOMS
SHEET No. AD-102 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

DEMOLITION GENERAL NOTES

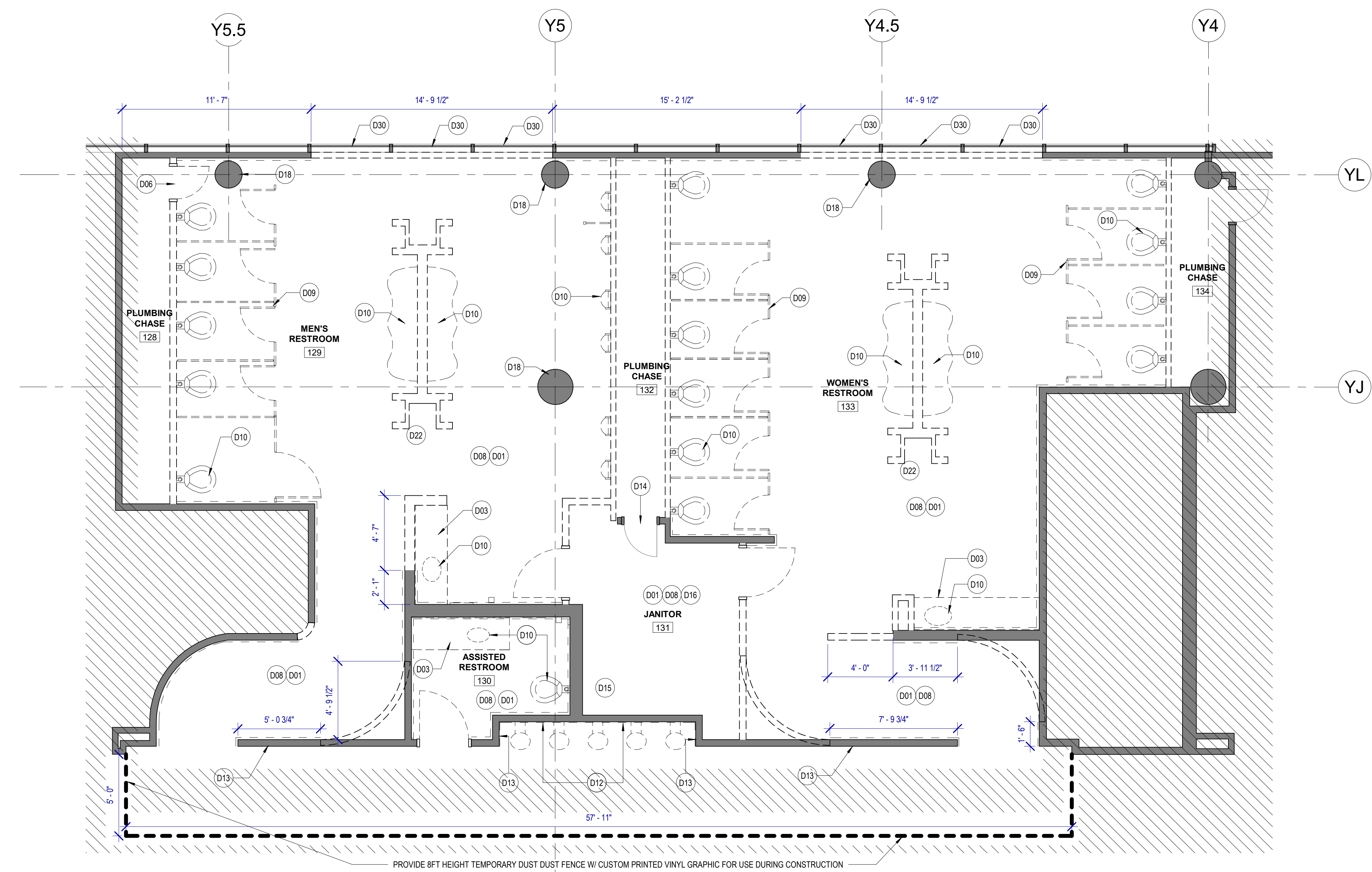
- NOT ALL EXISTING CONDITIONS AND DEVICES/EQUIPMENT ARE REPRESENTED IN THESE PLANS AND THEREFORE THE INTENT OF THE DEMOLITION PLANS ARE TO INDICATE TYPICAL WORK REQUIRED. GENERAL CONTRACTOR TO DETERMINE EXACT QUANTITIES IN THE FIELD.
- EXISTING SURFACE MOUNTED CONDUIT WHERE DEVICES ARE SHOWN TO REMAIN, SHALL BE CONCEALED BEHIND NEW 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 PREPPED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. I.I.N.O
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL IT EQUIPMENT, SMART RESTROOM TECHNOLOGY SHALL BE REMOVED, PROTECTED AND REINSTALLED BY THE CONTRACTOR. THIS SHALL INCLUDE BUT NOT LIMITED TO PEOPLE COUNTER (CAMERAS), IPADS, WIFI DEVICES, SPEAKERS, CABLING, COMMUNICATION CABINET ETC. ALL DEVICES SHALL BE REINSTALLED PER HAS IT STANDARDS AND SPECIFICATION BY 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.
- EXISTING TRESPA PANELS ARE DESIGNED TO BE REMOVABLE. CONTRACTOR TO CAREFULLY REMOVE EACH PANEL AND ATTACHMENT SYSTEM TO AVOID DAMAGE TO EXISTING GYP BOARD TO REMAIN AND STUD FRAMING OR AS REQUIRED PER DRAWING.

KEYNOTE LEGEND

| KEY VALUE | KEYNOTE TEXT |
|-----------|--|
| D01 | REMOVE ALL EXISTING FINISHES AND GYP BD. FROM METAL STUDS |
| D03 | REMOVE EXISTING COUNTER TOP. |
| D06 | REMOVE EXISTING HM DOOR & FRAME. SALVAGE FOR REINSTALLATION. |
| D08 | REMOVE EXISTING FLOOR TILE & PREP AS REQUIRED FOR INSTALLATION OF NEW TILE. |
| D09 | REMOVE EXISTING TOILET PARTITIONS. |
| D10 | REMOVE EXISTING PLUMBING FIXTURES & STEEL SUPPORTS. PLUMBING LINES TO BE PREPARED/RELOCATED AS REQUIRED FOR NEW WORK. TYP. |
| D12 | REMOVE EXISTING GRANITE FINISH, S.S. BASE AND GYP BD. REFRAME WALL AS REQUIRED FOR NEW DRINKING FOUNTAINS. |
| D13 | REMOVE EXISTING SLATE FINISH, S.S. BASE AND GYP BD. |
| D14 | EXISTING HM DOOR & FRAME TO REMAIN. |
| D15 | REMOVE EXISTING MOP SINK. |
| D16 | REMOVE AND SALVAGE ALL JANITOR CLOSET ACCESSORIES FOR REINSTALLATION. |
| D18 | REMOVE EXISTING CERAMIC TILE FINISH & PREP COLUMN FOR NEW FINISH. |
| D22 | EXISTING IPAD. REMOVE, PROTECT AND SALVAGE FOR RELOCATION. |
| D30 | REMOVE EXISTING SPANDREL GLAZING FROM CURTAIN WALL. |

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- REFER TO NOTE D01
- LIGHT FIXTURES TO BE REMOVED. REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.



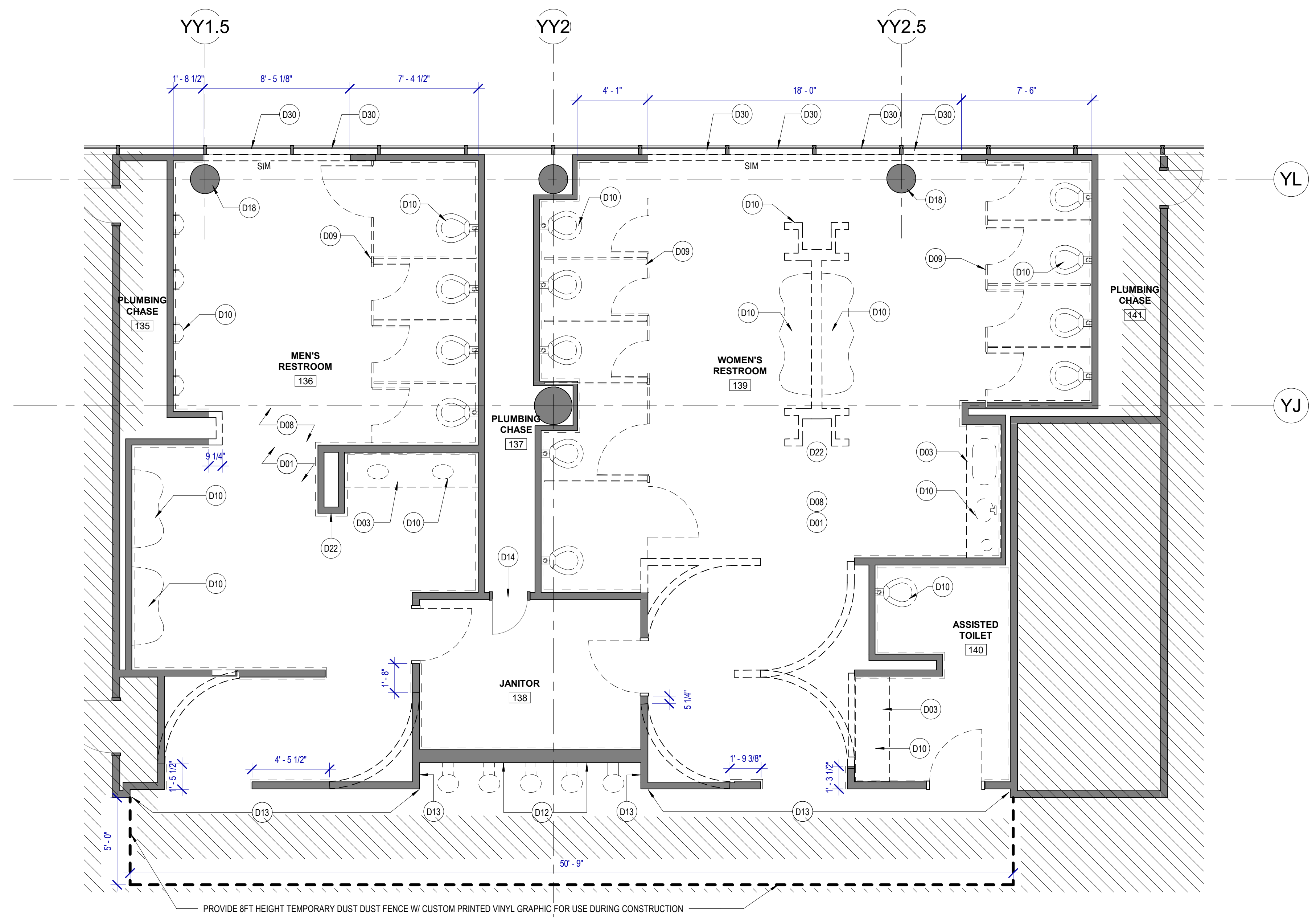
A1 DEMOLITION PLAN - GATE 24-27 RESTROOMS

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE:

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt
 PLOT DATE: DOA DWG FILE: DOA DOA No.: PLOT DATE: HAS FILE:

A1 DEMOLITION PLAN - GATE 28-32 RESTROOMS
 SCALE: 1/4" = 1'-0"



DEMOLITION GENERAL NOTES

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KEYNOTE LEGEND

| KEY VALUE | KEYNOTE TEXT |
|-----------|--|
| D01 | REMOVE ALL EXISTING FINISHES AND GYP BD. FROM METAL STUDS |
| D03 | REMOVE EXISTING COUNTER TOP |
| D08 | REMOVE EXISTING FLOOR TILE & PREP AS REQUIRED FOR INSTALLATION OF NEW TILE |
| D09 | REMOVE EXISTING TOILET PARTITIONS |
| D10 | REMOVE EXISTING PLUMBING FIXTURES & STEEL SUPPORTS. PLUMBING LINES TO BE PREPARED/RELOCATED AS REQUIRED FOR NEW WORK, TYP. |
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| D13 | REMOVE EXISTING SLATE FINISH, S.S. BASE AND GYP BD. |
| D14 | EXISTING HM DOOR & FRAME TO REMAIN. |
| D18 | REMOVE EXISTING CERAMIC TILE FINISH & PREP COLUMN FOR NEW FINISH. |
| D22 | EXISTING IPAD. REMOVE, PROTECT AND SALVAGE FOR RELOCATION. |
| D30 | REMOVE EXISTING SPANDREL GLAZING FROM CURTAIN WALL. |

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- REFER TO NOTE D01
- LIGHT FIXTURES TO BE REMOVED, REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.

HOUSTON AIRPORTS
 7800 Airport Blvd
 Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN209A A.I.P. No.
 C.O.H. No. D.O.A. No.

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JONES ENGINEERS, L.P.

HENDERSON ROGERS
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 713.430.5800 713.430.5888 fax
 www.hendersonrogers.com

DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: IFB

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 03.22.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

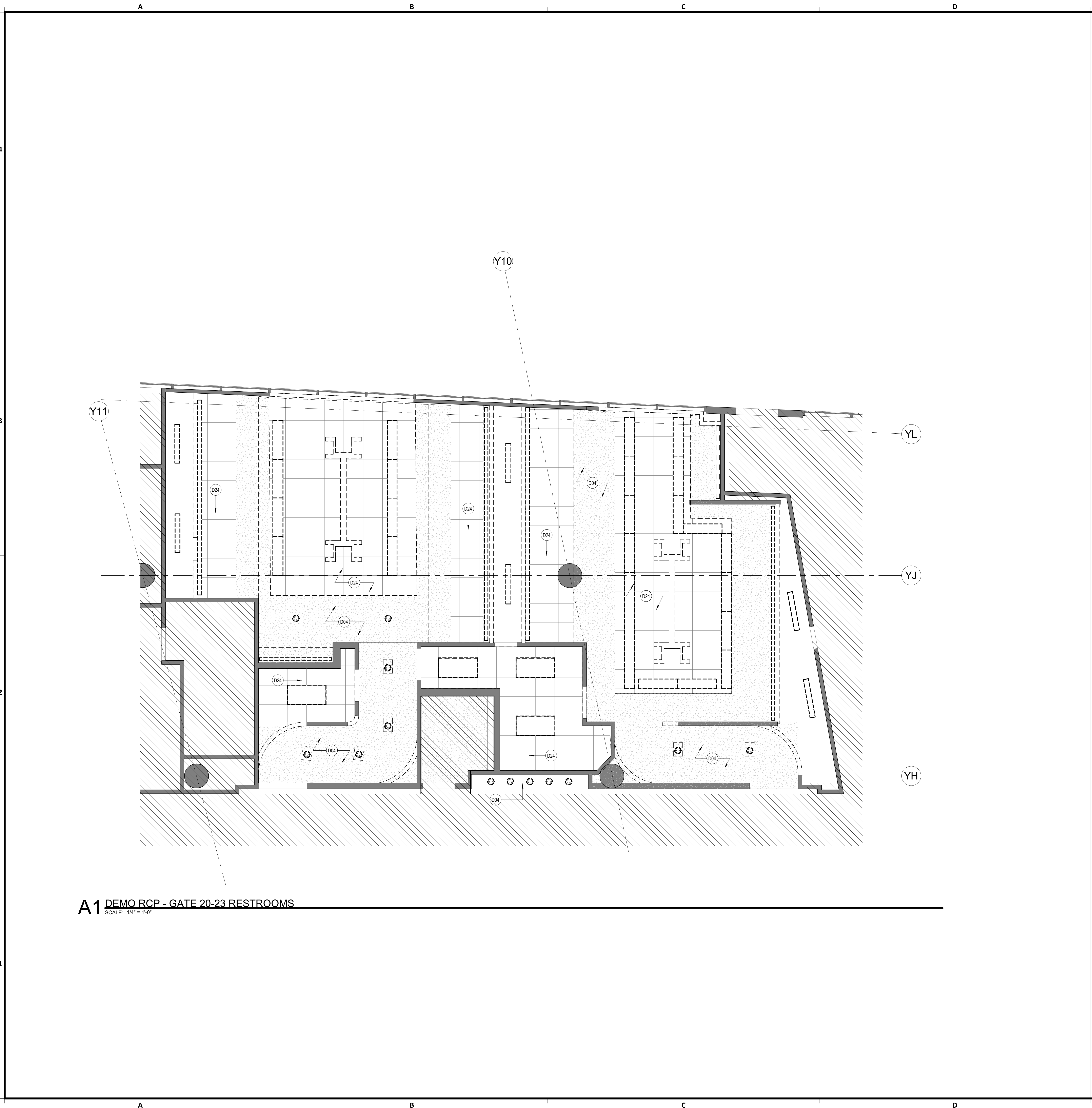
DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

ISSUED FOR BIDDING

REGISTERED ARCHITECT
 DANIEL ORTIZ
 25004
 STATE OF TEXAS
 03.22.22

SHEET NAME: DEMOLITION PLAN - GATE 28-32 RESTROOMS
 SHEET No. AD-103 SCALE: As indicated
 SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt
 HAS FILE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:



A1 DEMO RCP - GATE 20-23 RESTROOMS
 SCALE: 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

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KEYNOTE LEGEND

| KEY VALUE | KEYNOTE TEXT |
|-----------|-------------------------------------|
| D04 | REMOVE EXISTING GYP BD, CEILING. |
| D24 | REMOVE ACOUSTICAL CEILING AND GRID. |

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- REFER TO NOTE D01
- LIGHT FIXTURES TO BE REMOVED, REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.



7800 Airport Blvd
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DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: IFB

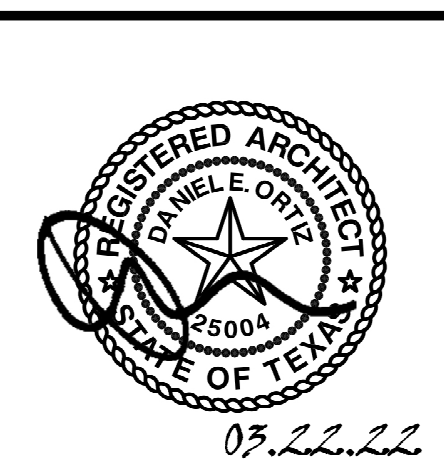
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 02.11.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

DIRECTOR
 of
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IFB
 ISSUED FOR BIDDING



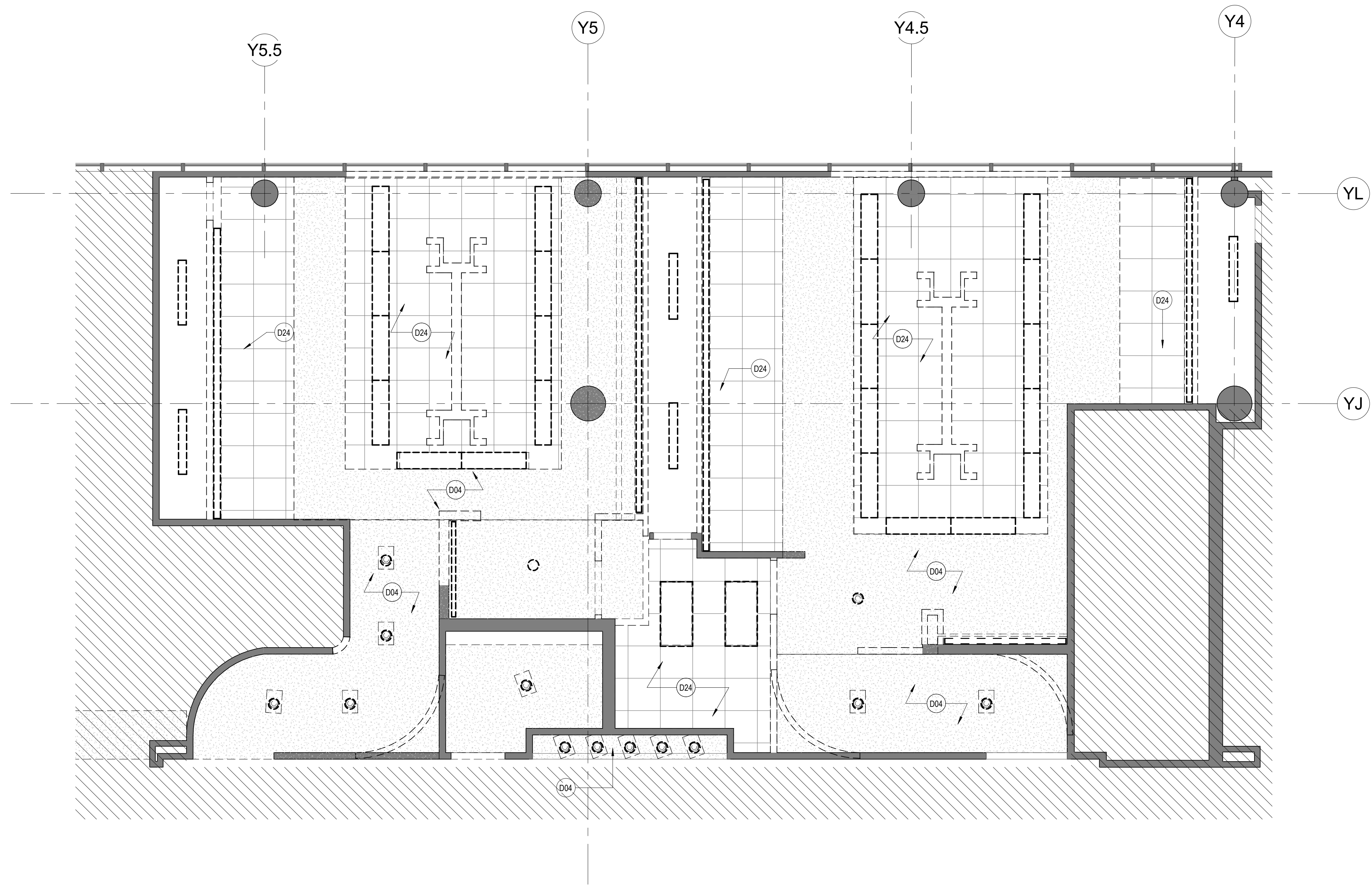
SHEET NAME:
 DEMOLITION RCP - GATE 20-23 RESTROOMS

SHEET No. AD-140 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt
 HAS FILE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:

A1 DEMO RCP - GATE 24-27 RESTROOMS
 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.
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KEYNOTE LEGEND

| KEY VALUE | KEYNOTE TEXT |
|-----------|-------------------------------------|
| D04 | REMOVE EXISTING GYP BD. CEILING. |
| D24 | REMOVE ACOUSTICAL CEILING AND GRID. |

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE
- REFER TO NOTE D01
- LIGHT FIXTURES TO BE REMOVED, REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.



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 PHASE 2**

C.I.P. No. **PN209A** A.I.P. No.
 C.O.H. No. D.O.A. No.

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**HENDERSON
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 structural engineers

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DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 03.22.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

IFB
 ISSUED FOR BIDDING



SHEET NAME:
 DEMOLITION RCP - GATE 24-27 RESTROOMS

SHEET No. AD-141 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt
 HAS FILE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:

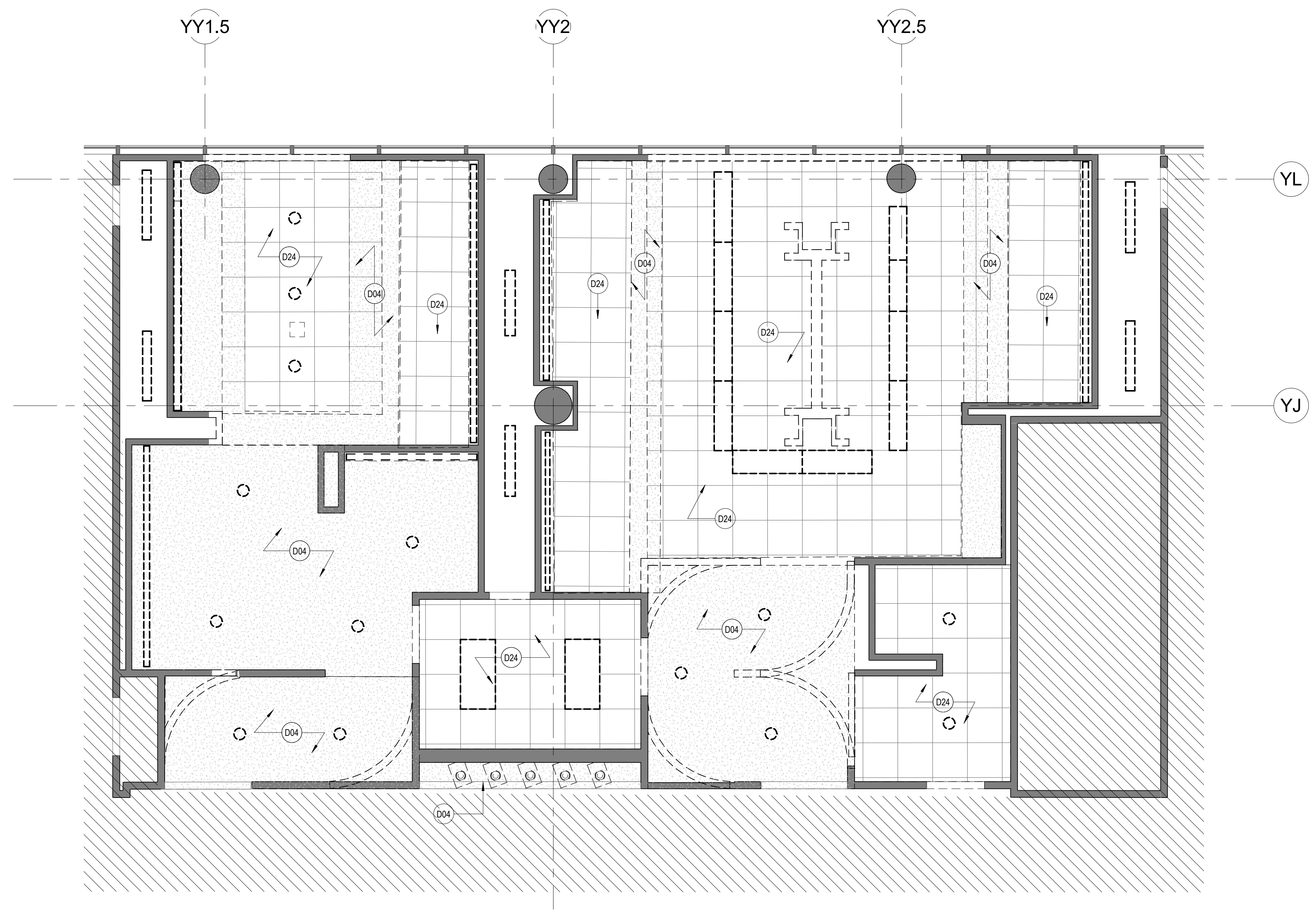
A

B

C

D

E



A1 DEMO RCP - GATE 28-32 RESTROOMS
 SCALE: 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

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KEYNOTE LEGEND

| KEY VALUE | KEYNOTE TEXT |
|-----------|-------------------------------------|
| D04 | REMOVE EXISTING GYP BD. CEILING. |
| D24 | REMOVE ACOUSTICAL CEILING AND GRID. |

DEMOLITION LEGEND

- DASHED LINE INDICATED OBJECT OR PARTITION TO BE DEMOLISHED
- SOLID LINE INDICATED OBJECT OR PARTITION TO REMAIN
- DIAGONAL HATCHING NOT IN SCOPE
- SOLID LINE WITH DASH REFER TO NOTE D01
- CIRCLE WITH ARROW LIGHT FIXTURES TO BE REMOVED. REFER MEP DWGS FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES, HVAC, DATA, SPEAKERS TO BE REMOVED.



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**HOU RESTROOM RENOVATIONS
 PHASE 2**

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DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: **IFB**

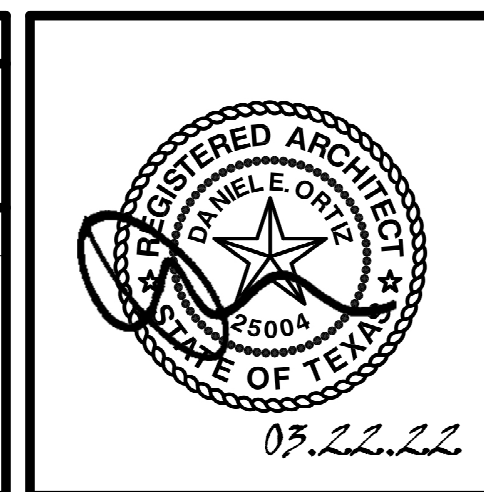
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 03.22.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
 ISSUED FOR BIDDING



SHEET NAME:
 DEMOLITION RCP - GATE 28-32 RESTROOMS
 SHEET No. AD-142 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



7800 Airport Blvd
Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

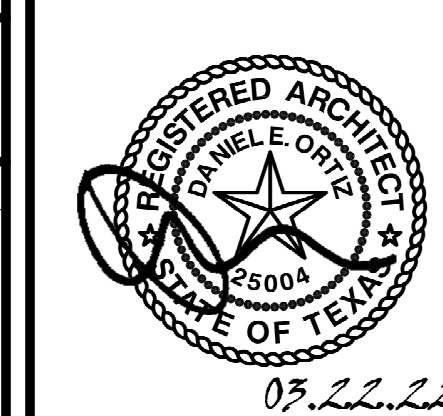
| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

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Review/Approval Category

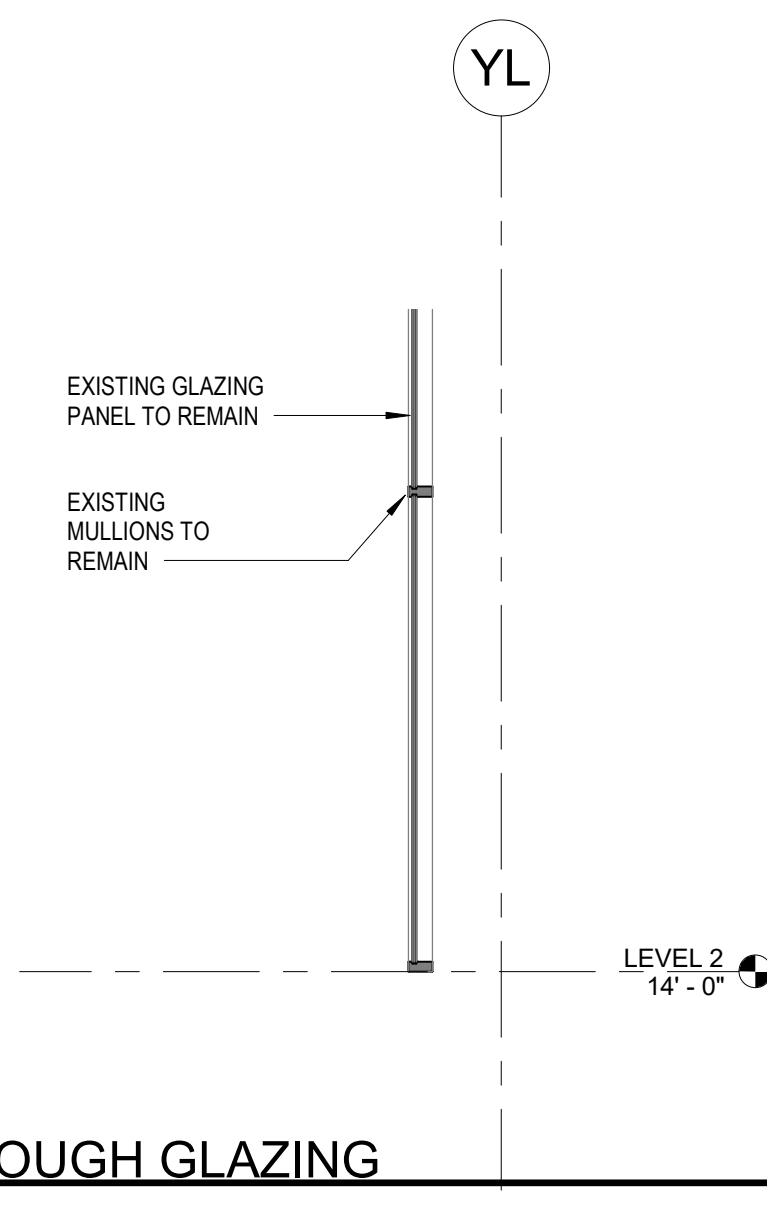
IFB
ISSUED FOR BIDDING



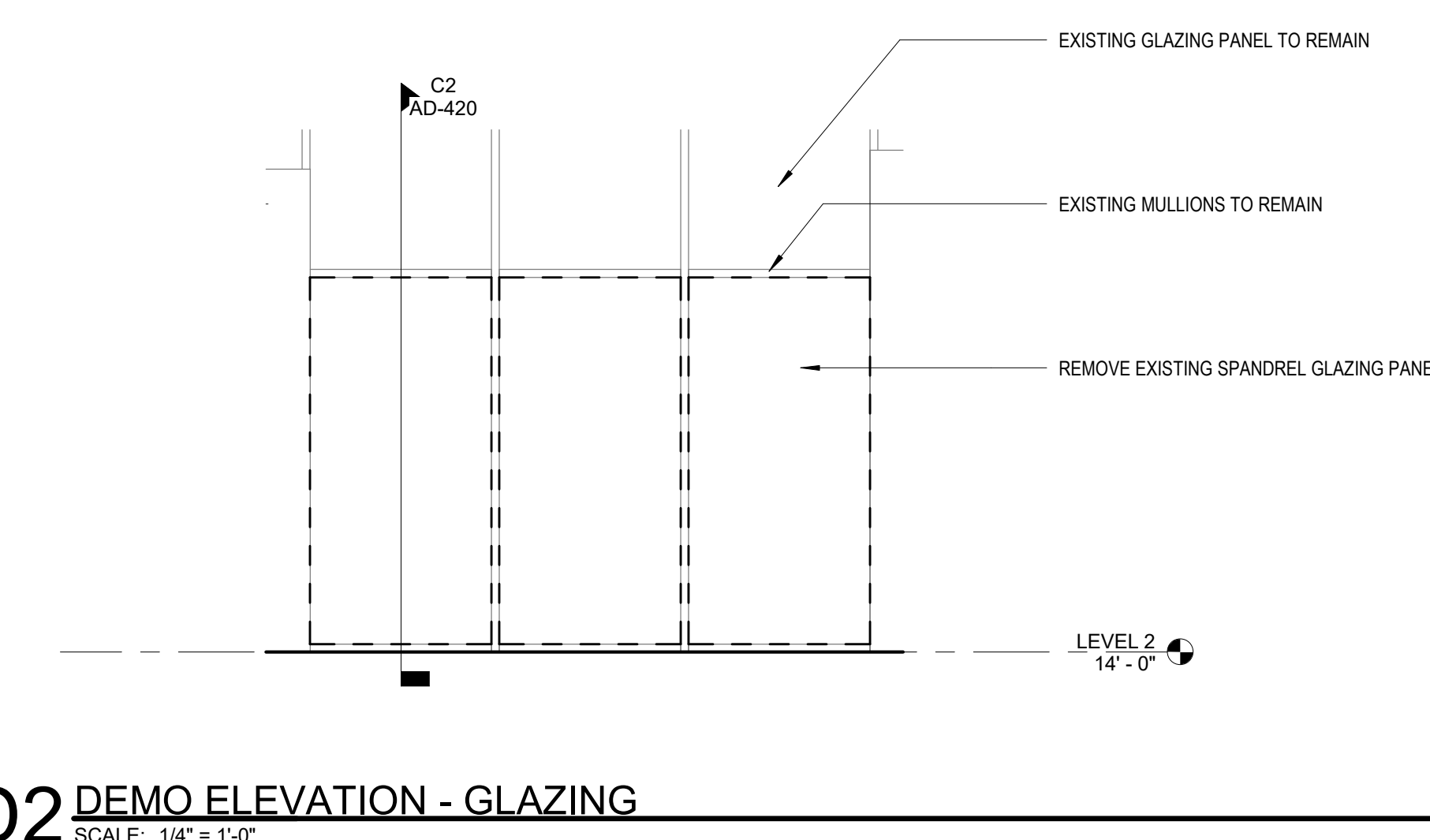
SHEET NAME: DEMOLITION ELEVATIONS

SHEET No. AD-420 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



C2 SECTION THROUGH GLAZING
SCALE: 1/4" = 1'-0"



D2 DEMO ELEVATION - GLAZING
SCALE: 1/4" = 1'-0"

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No.:



7800 Airport Blvd
Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. **PN209A** A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

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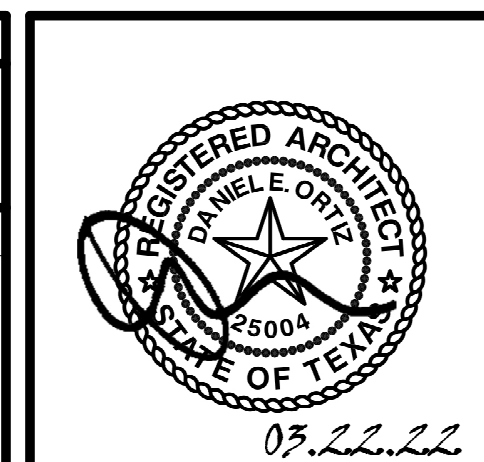
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 03.22.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

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HOUSTON AIRPORT SYSTEM



SHEET NAME:
FLOOR PLAN - GATE 20-23 RESTROOMS

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-031 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.
- REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
- INSTALL CEMENT BOARD FOR INSTALLATION OF NEW TILE.
- EXISTING HM FRAME TO BE PAINTED.

KEYNOTE LEGEND - PLANS

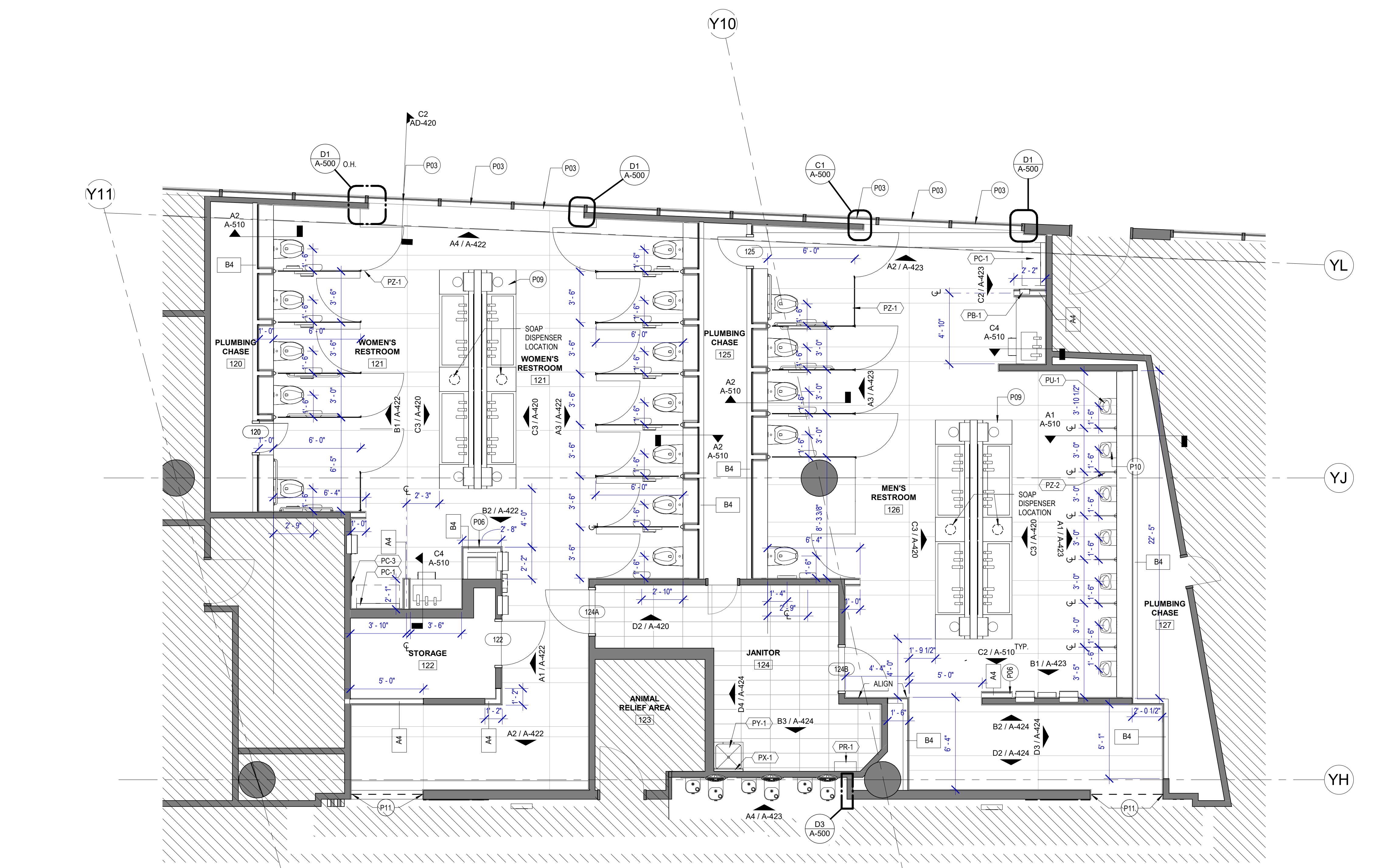
| KEY VALUE | KEYNOTE TEXT |
|-----------|--|
| P03 | INFILL EXTERIOR CURTAIN WALL WITH NEW GLAZING PANEL RE: ELEVATIONS |
| P06 | CUSTOMER SERVICE IPAD DOCKING STATION. RE: C2/A-420 FOR TYPICAL ELEVATION. |
| P09 | NEW SINK ISLANDS TO BE CENTERED OVER EXISTING PLUMBING |
| P10 | URINALS TO BE CENTERED IN WALL PANEL PATTERN. TYP. RE: ELEVATIONS. RELOCATE PLUMBING LINES AS REQ'D. |
| P11 | RECESSED WALL MOUNTED BELT STANCHION AND CLOSURE LATCH |

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PL-3 HEIGHT ADJUSTABLE WASH BIN
- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVAIR RIBBON SOAP DISPENSER L-R011
- 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-5906X24 STRAIGHT GRAB BAR
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B
- PX-1 BOBRICK B-223

PLUMBING FIXTURES

- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- 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
- PY-1 ZURN MOP SINK 1996-24



A1 FLOOR PLAN - GATE 20-23 RESTROOMS

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

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt
 PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 HAS FILE:



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HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN209A A.I.P. No.
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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

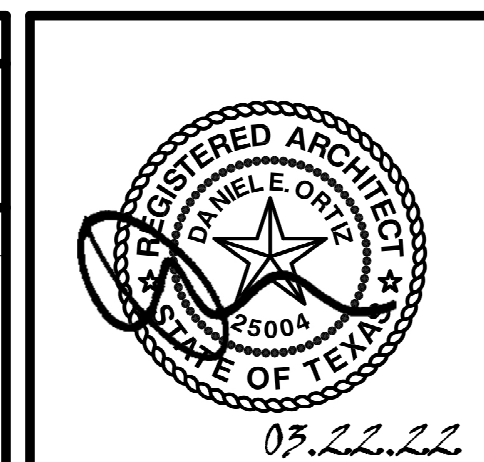
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING



SHEET NAME:
FLOOR PLANS - GATE 24-27 RESTROOMS

SHEET No. A-102 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-031 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.
- REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
- INSTALL CEMENT BAORD FOR INSTALLATION OF NEW TILE.
- EXISTING HM FRAME TO BE PAINTED.

KEYNOTE LEGEND - PLANS

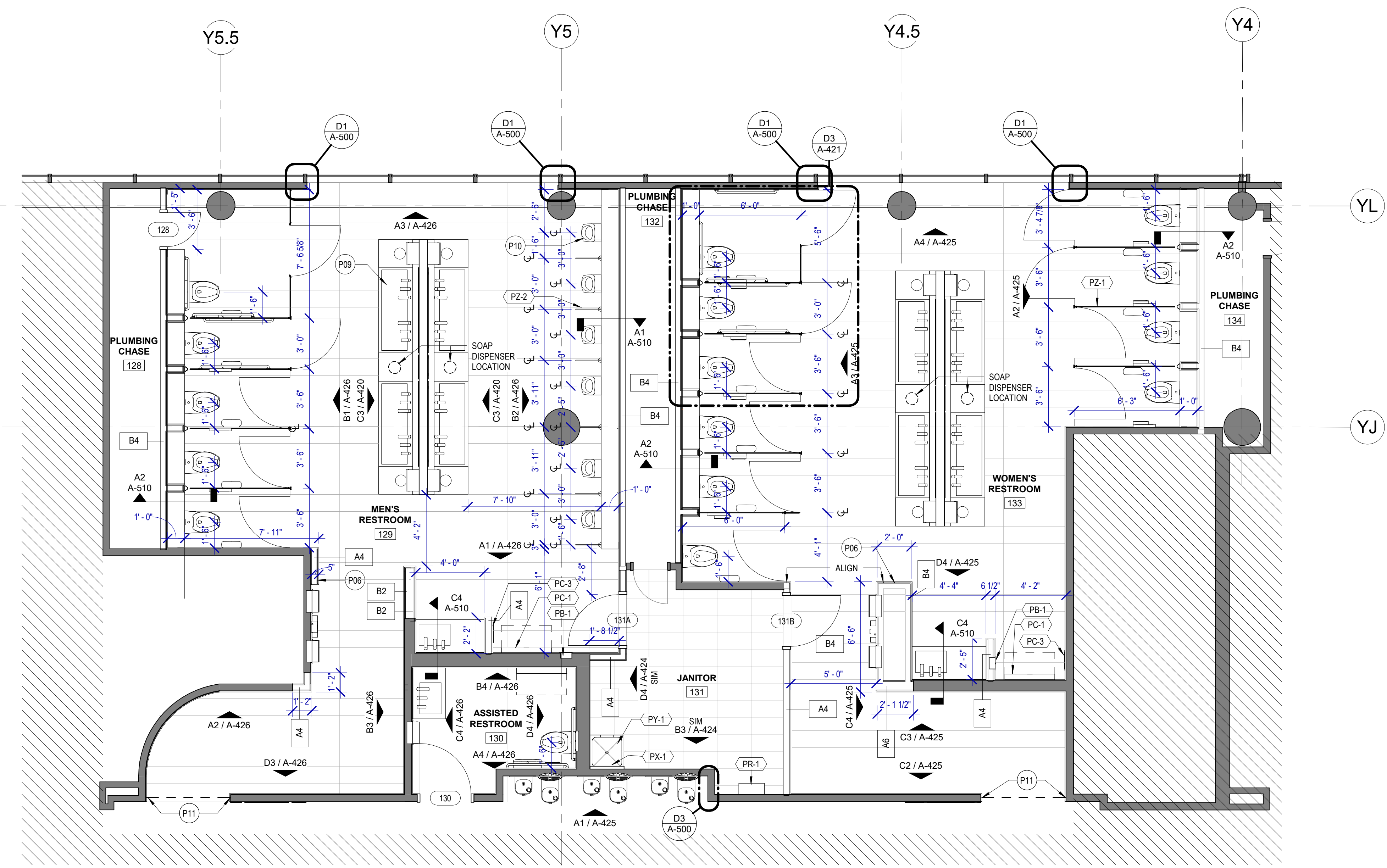
| KEY VALUE | KEYNOTE TEXT |
|-----------|--|
| P06 | CUSTOMER SERVICE IPAD DOCKING STATION. RE: C2/A-420 FOR TYPICAL ELEVATION. |
| P09 | NEW SINK ISLANDS TO BE CENTERED OVER EXISTING PLUMBING. |
| P10 | URINALS TO BE CENTERED IN WALL PANEL PATTERN. TYP. RE: ELEVATIONS. RELOCATE PLUMBING LINES AS REQ'D. |
| P11 | RECESSED WALL MOUNTED BELT STANCHION AND CLOSURE LATCH |

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PL-3 HEIGHT ADJUSTABLE WASH BIN
- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVATIR RIBBON SOAP DISPENSER L-R011
- 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
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B
- PX-1 BOBRICK B-223

PLUMBING FIXTURES

- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- 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
- PY-1 ZURN MOP SINK 1996-24



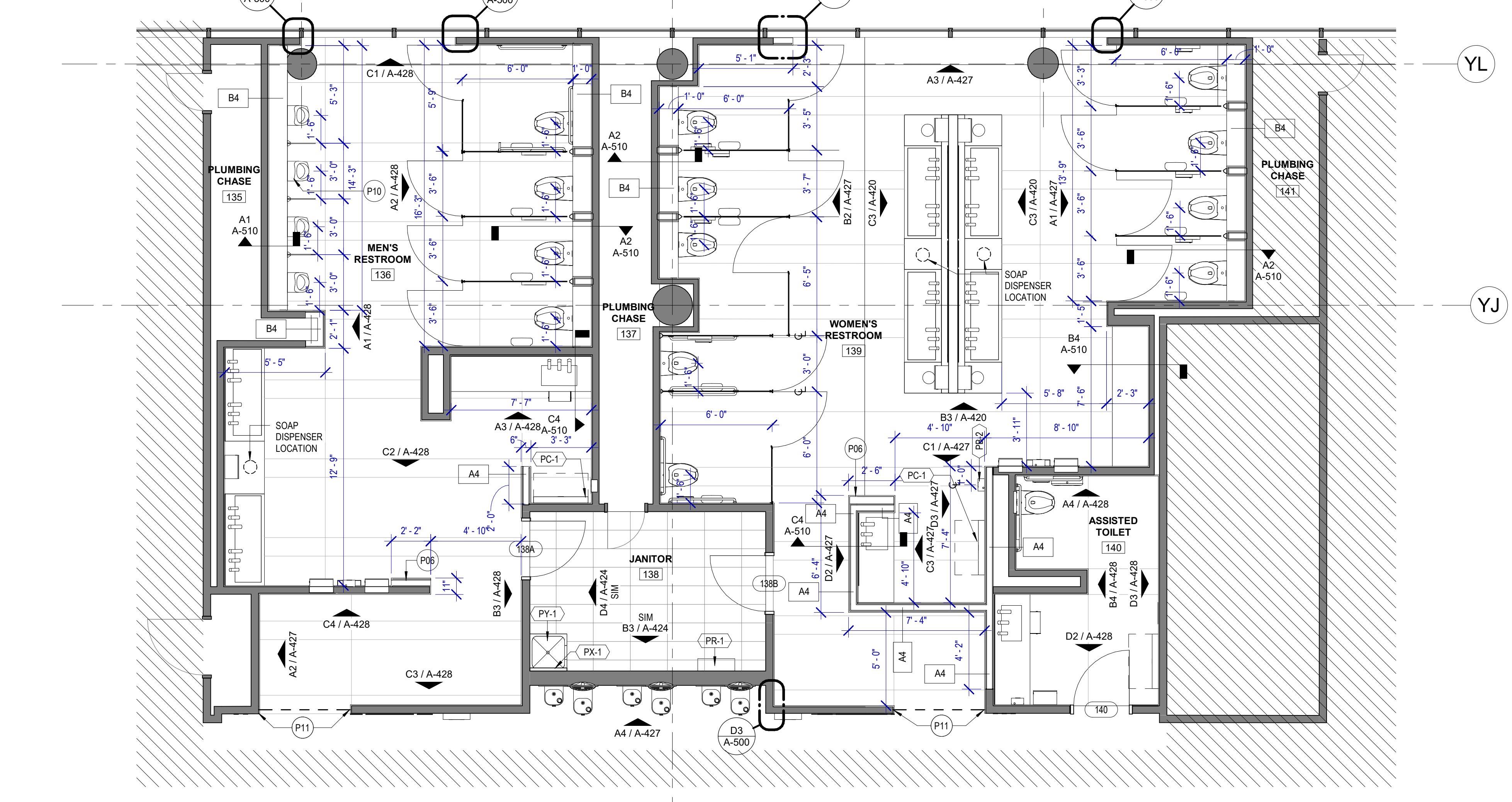
A1 FLOOR PLAN - GATE 24-27 RESTROOMS
SCALE: 1/4" = 1'-0"

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE:

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt
HAS FILE:

A B C D E



A1 FLOOR PLAN - GATE 28-32 RESTROOMS
SCALE: 1/4" = 1'-0"

A B C D E

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-031 FOR PARTITION TYPES & FIRESAFING DETAILS.
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- PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
- REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
- INSTALL CEMENT BOARD FOR INSTALLATION OF NEW TILE.
- EXISTING HM FRAME TO BE PAINTED.

KEYNOTE LEGEND - PLANS

| KEY VALUE | KEYNOTE TEXT |
|-----------|--|
| P06 | CUSTOMER SERVICE IPAD DOCKING STATION. RE: C2/A-420 FOR TYPICAL ELEVATION. |
| P10 | URINALS TO BE CENTERED IN WALL PANEL PATTERN, TYP. RE: ELEVATIONS. RELOCATE PLUMBING LINES AS REQ'D. |
| P11 | RECESSED WALL MOUNTED BELT STANCHION AND CLOSURE LATCH |

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PL-3 HEIGHT ADJUSTABLE WASH BIN
- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVAIR RIBBON SOAP DISPENSER L-R011
- 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
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP N WASH SNW-SS 9758
- PX-1 BOBRICK B-223

PLUMBING FIXTURES

- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PJ-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PY-1 ZURN MOP SINK 1996-24



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**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. **PN209A** A.I.P. No.
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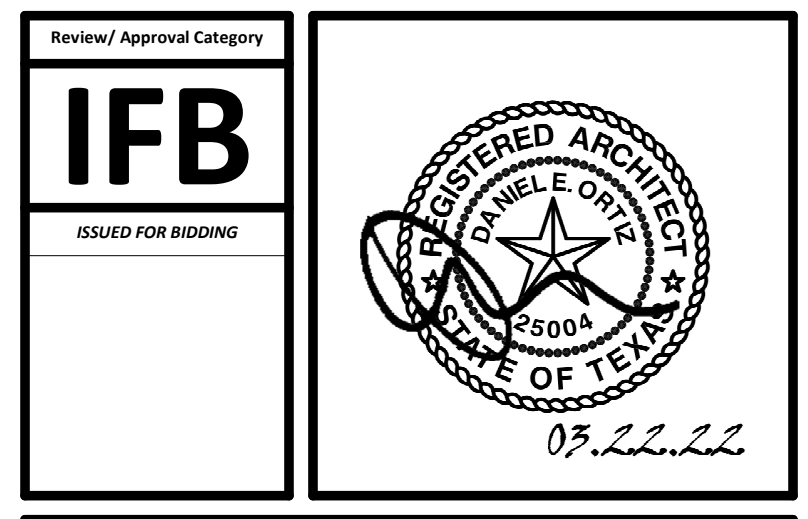
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME:
FLOOR PLAN - GATE 28-32 RESTROOMS
SHEET No. A-103 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



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HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN209A A.I.P. No.
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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

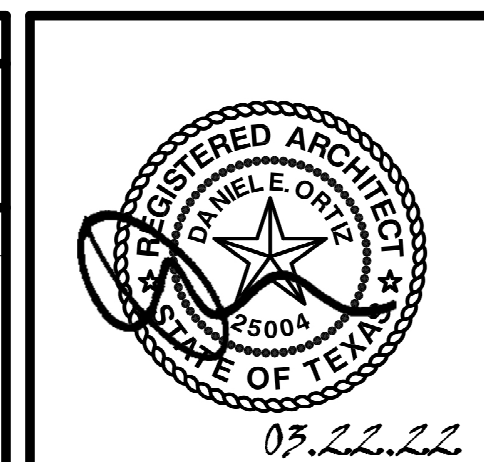
REVISIONS

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| 1 | Issued For Bidding | 03.22.22 | HB |

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ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING



SHEET NAME:
REFLECTED CEILING PLAN - GATE 20-23
RESTROOMS

SHEET No. A-140 SCALE: 1/4" = 1'-0"

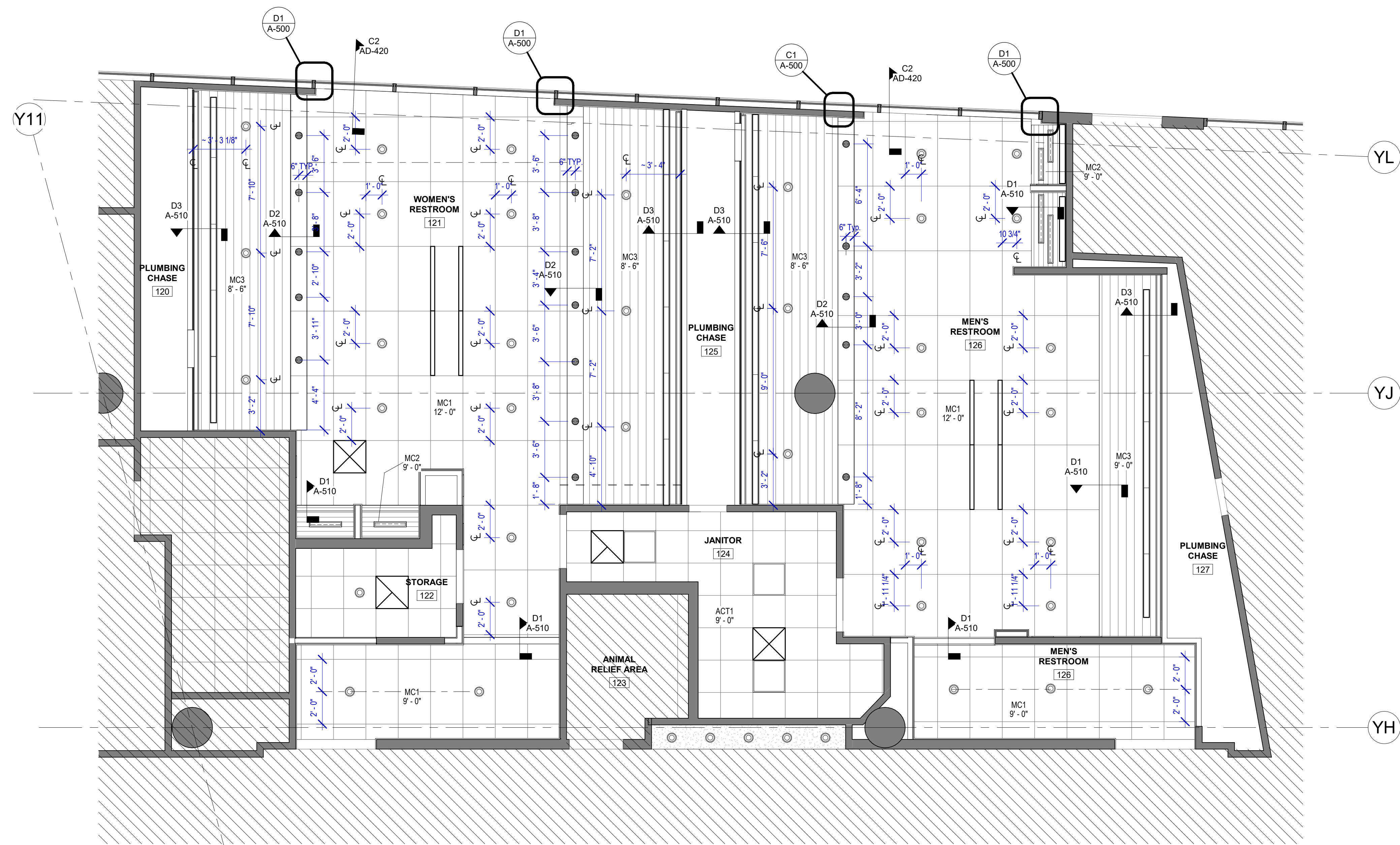
SHEET SIZE: 30"x42" ARCH E1

RCP GENERAL NOTES

- REFER TO G-003 FOR LIGHTING GENERAL NOTES
- REFER TO SHEET A-600 FOR MATERIAL LEGEND
- FIELD VERIFY ALL CONDITIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE WORK COMMENCES
- ALL LIGHT FIXTURES & SPRINKLERS NOT LOCATED BY DIMENSIONS ARE TO BE CENTERED IN CEILING TILES, CENTER FIXTURE IN ROOM UNLESS NOTED.
- PATCH, REPAIR & REFINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION
- ALL FIXTURES, EQUIPMENT, FURNITURE, AND FINISHES TO BE SOUTHWEST AIRLINES STANDARD, U.N.O. VERIFY WITH OWNER

REFLECTED CEILING PLAN LEGEND

- GYP. BD. CEILING
- ROUND RECESSED CAN LIGHT FIXTURE
- LINEAR RECESSED LIGHT FIXTURE
- DECORATIVE LINEAR LIGHT FIXTURE
- NEW 2x2 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

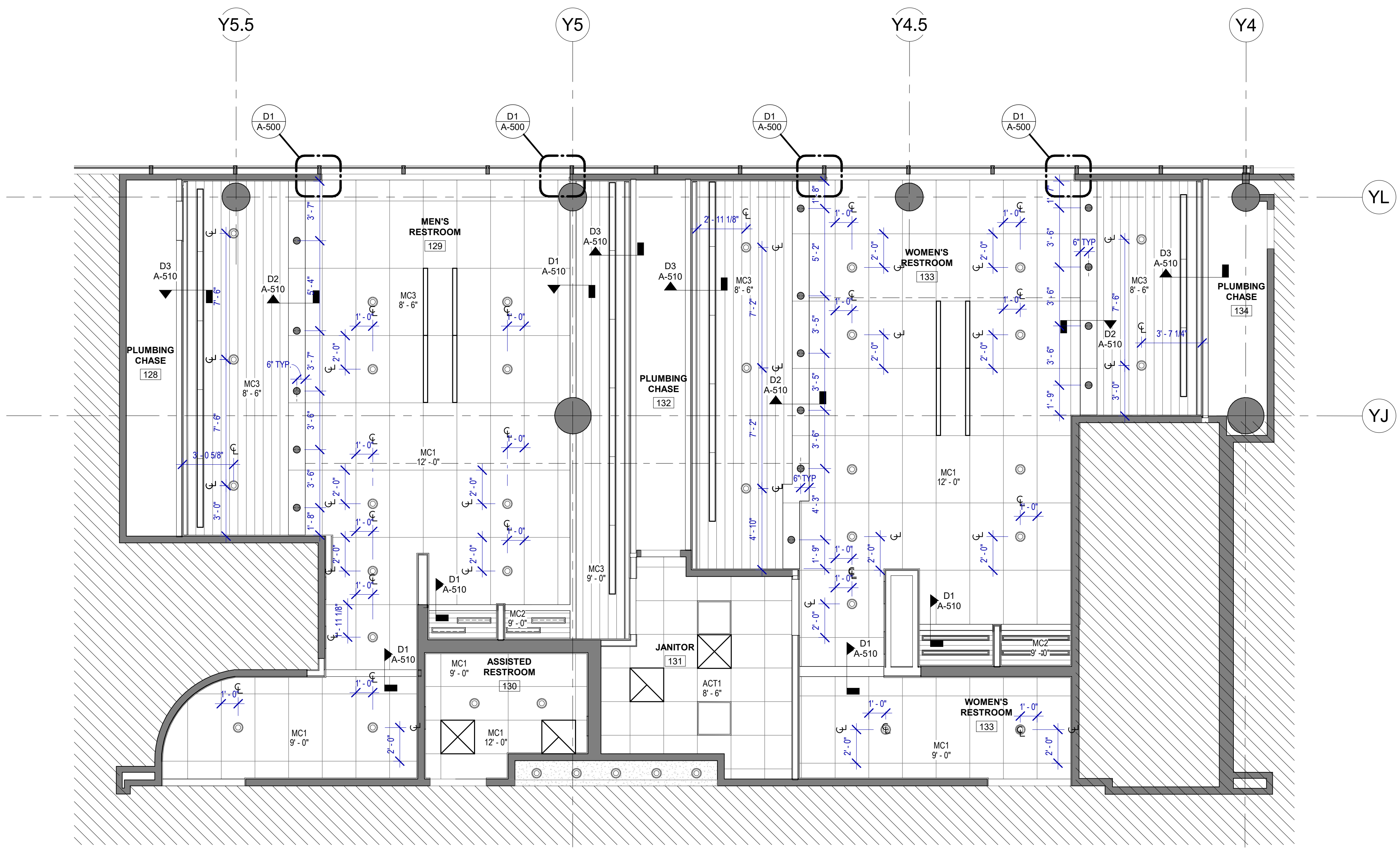


A1 RCP - GATE 20-23 RESTROOMS
SCALE: 1/4" = 1'-0"

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt
PLOT DATE: DOA DWG FILE: OLD DOA No.: HAS FILE: PLOT DATE:

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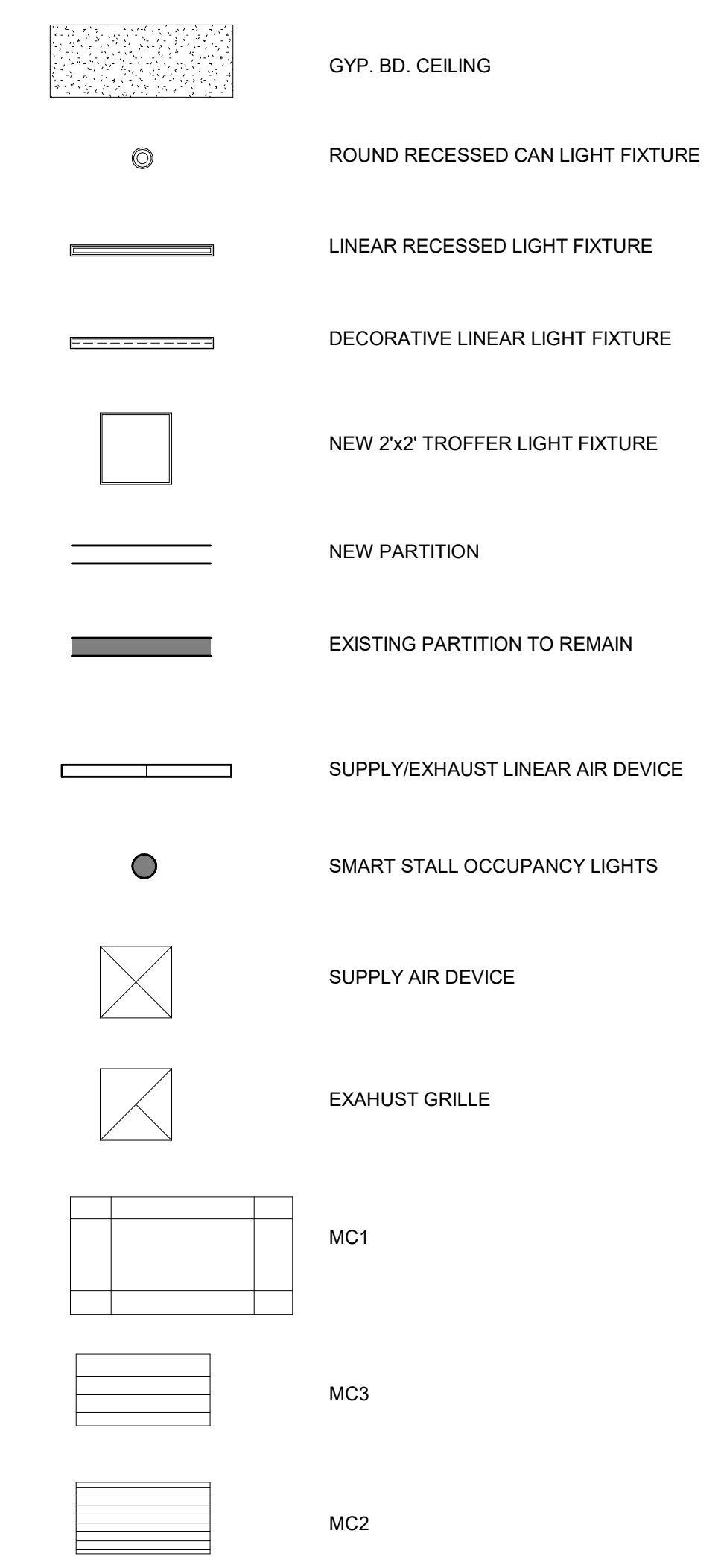
A1 RCP - GATE 24-27 RESTROOMS
SCALE: 1/4" = 1'-0"



RCP GENERAL NOTES

- REFER TO G-003 FOR LIGHTING GENERAL NOTES
- REFER TO SHEET A-600 FOR MATERIAL LEGEND
- FIELD VERIFY ALL CONDITIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE WORK COMMENCES
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REFLECTED CEILING PLAN LEGEND



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**HOU RESTROOM RENOVATIONS
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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

SHEET NAME:
REFLECTED CEILING PLAN - GATE 24-27 RESTROOMS

SHEET No. A-141 SCALE: 1/4" = 1'-0"

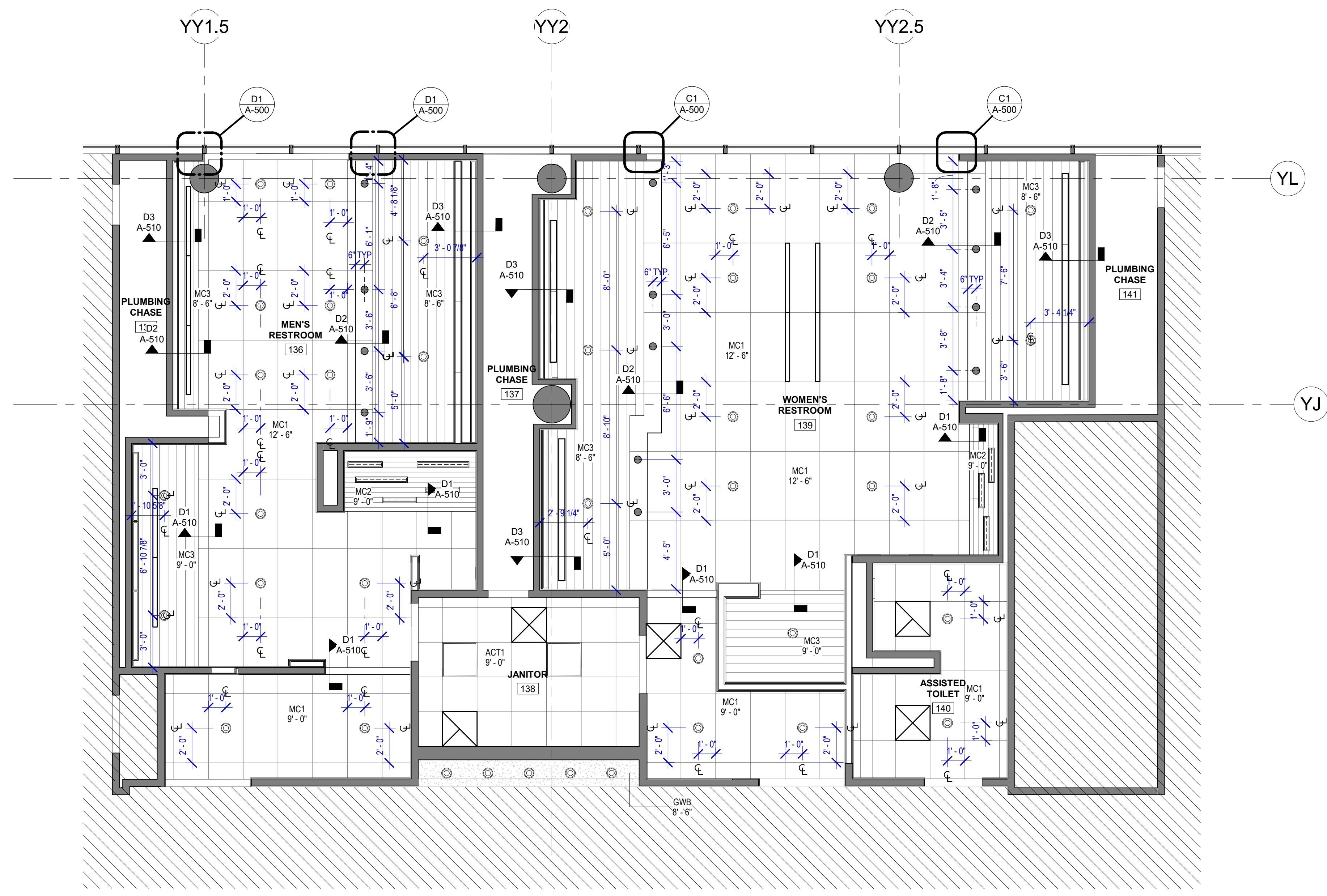
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

A1 RCP - GATE 28-32 RESTROOMS
SCALE: 1/4" = 1'-0"



RCP GENERAL NOTES

- REFER TO G-003 FOR LIGHTING GENERAL NOTES
- REFER TO SHEET A-600 FOR MATERIAL LEGEND
- FIELD VERIFY ALL CONDITIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE WORK COMMENCES
- ALL LIGHT FIXTURES & SPRINKLERS NOT LOCATED BY DIMENSIONS ARE TO BE CENTERED IN CEILING TILES. CENTER FIXTURE IN ROOM UNLESS NOTED.
- PATCH, REPAIR & REFINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION
- ALL FIXTURES, EQUIPMENT, FURNITURE, AND FINISHES TO BE SOUTHWEST AIRLINES STANDARD, U.N.O. VERIFY WITH OWNER

REFLECTED CEILING PLAN LEGEND

- GYP. BD. CEILING
- ROUND RECESSED CAN LIGHT FIXTURE
- LINEAR RECESSED LIGHT FIXTURE
- DECORATIVE LINEAR LIGHT FIXTURE
- NEW 2X2 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



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**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. **PN209A** A.I.P. No.
C.O.H. No. D.O.A. No.

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.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

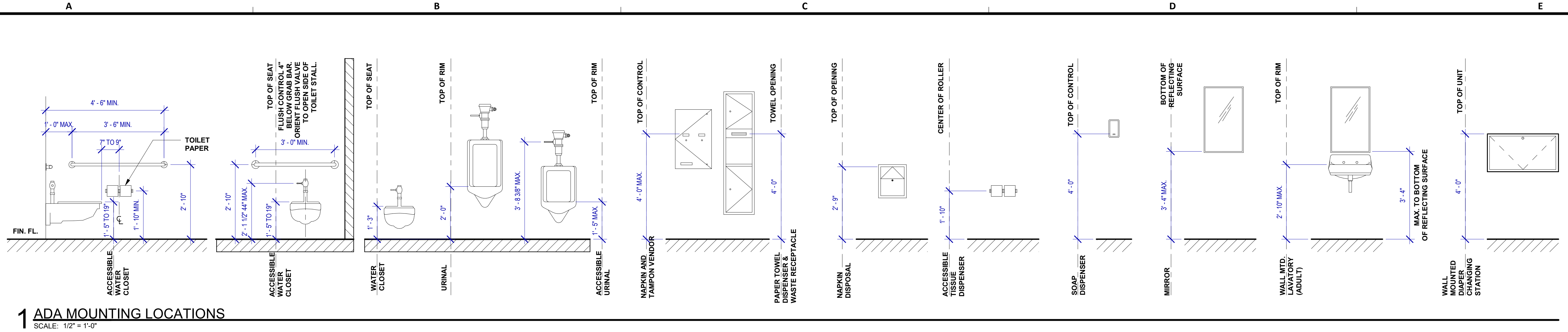
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

SHEET NAME:
REFLECTED CEILING PLAN - GATE 28-32 RESTROOMS

SHEET No. A-142 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



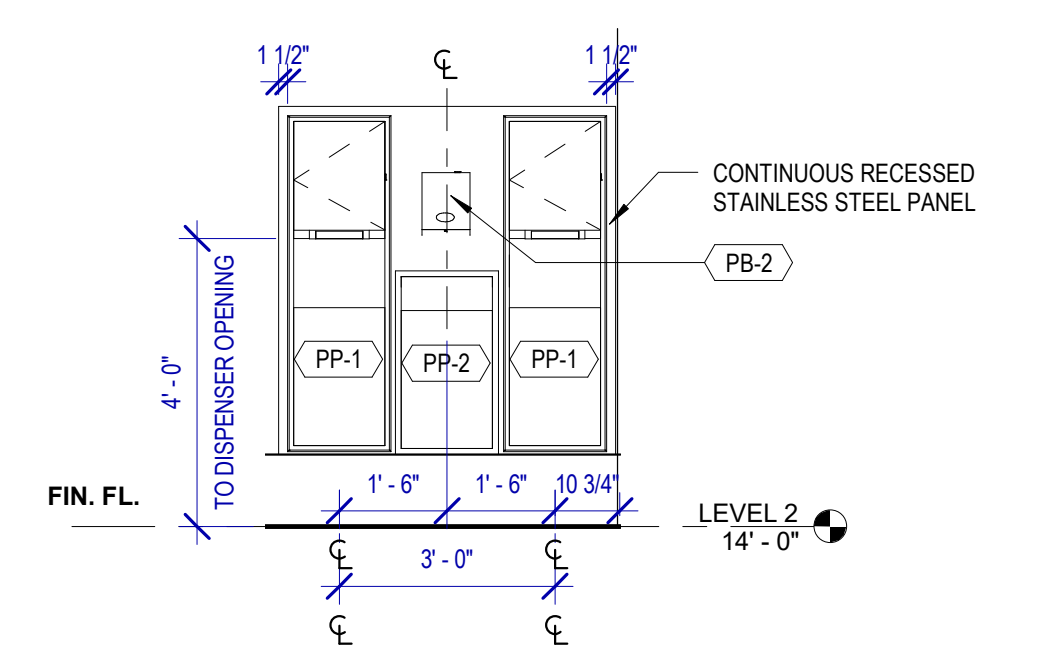
1 ADA MOUNTING LOCATIONS
SCALE: 1/2" = 1'-0"

INTERIOR ELEVATIONS NOTES

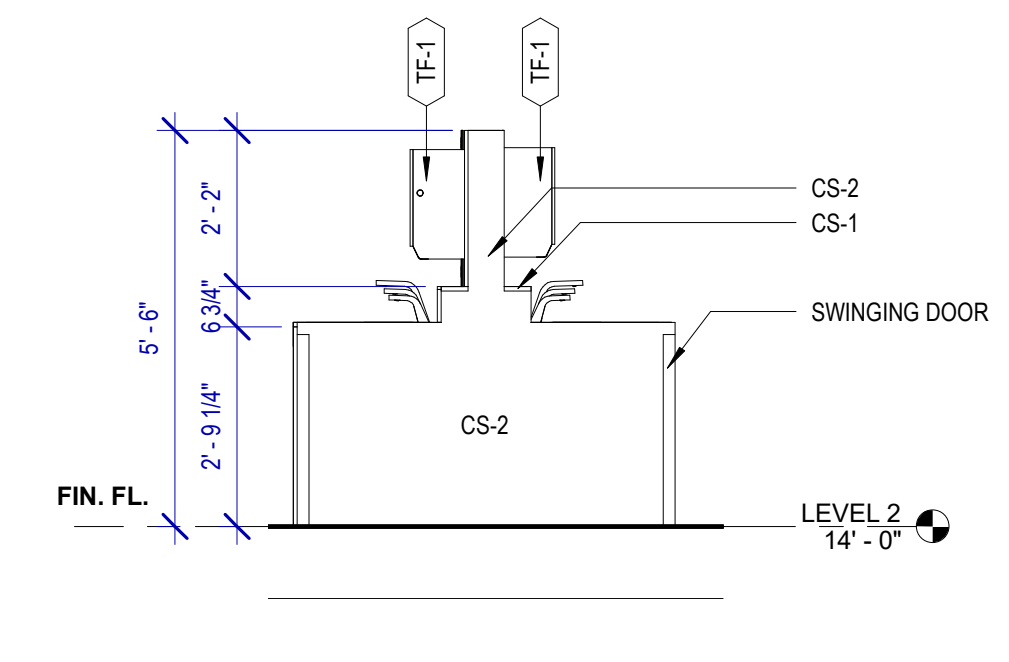
- REFER TO SHEET A600 FOR FINISH LEGEND.
- AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
- AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET TISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL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

TOILET ACCESSORIES

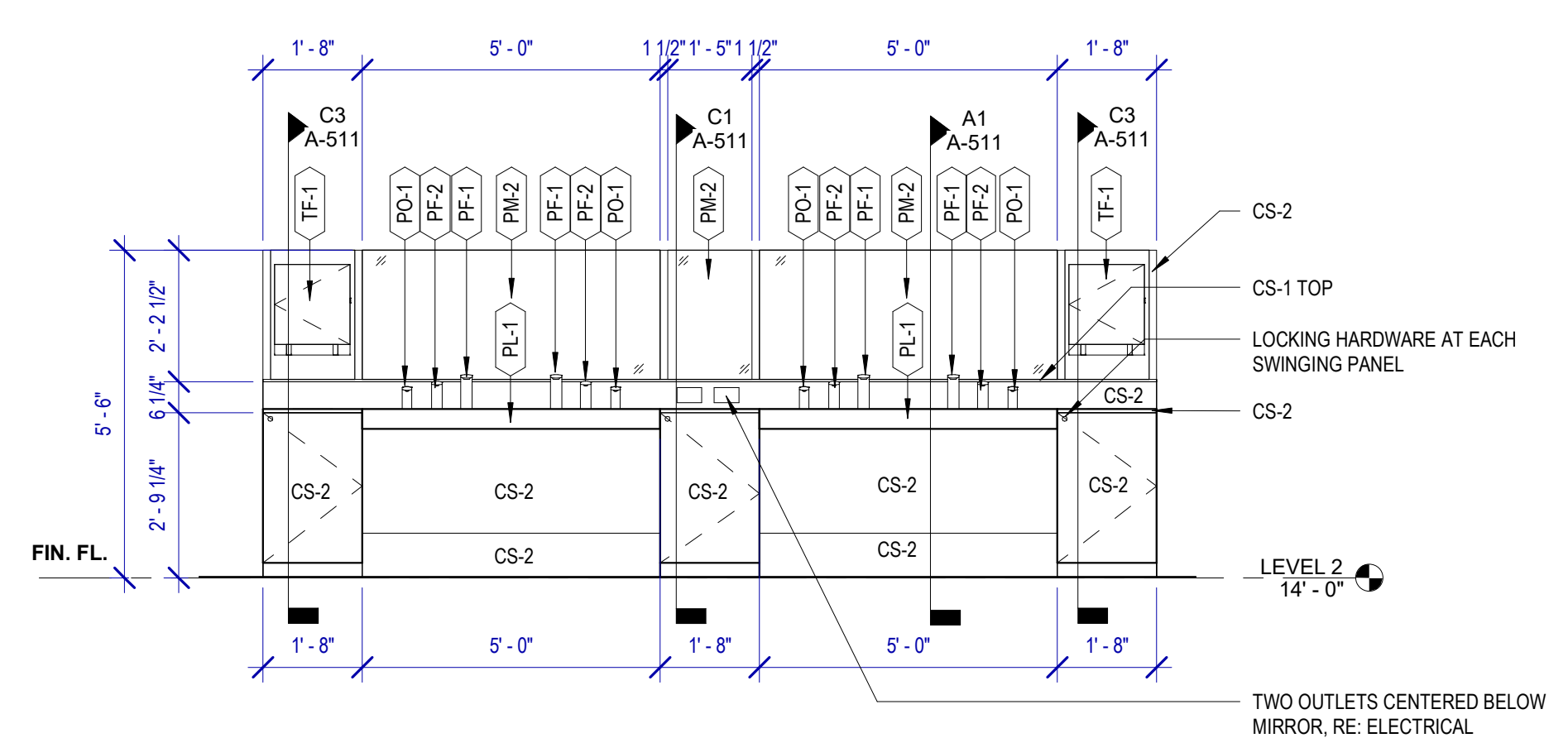
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SLSD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PL-3 HEIGHT ADJUSTABLE WASH BIN
- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVAIR RIBBON SOAP DISPENSER L-R011
- 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
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B
- PX-1 BOBRICK B-223



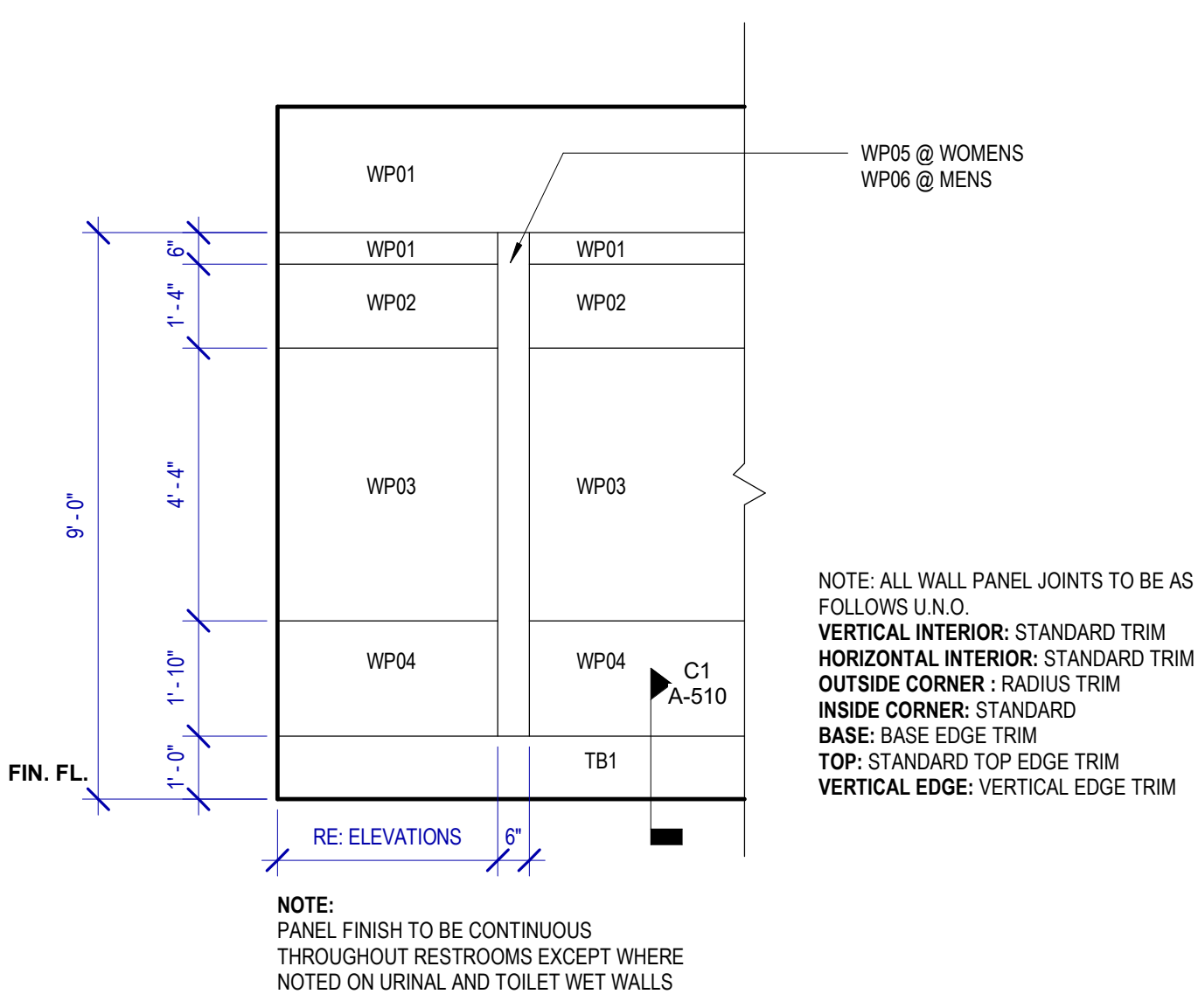
A3 TYP. ELEVATION AT SANITIZING STATION
SCALE: 3/8" = 1'-0"



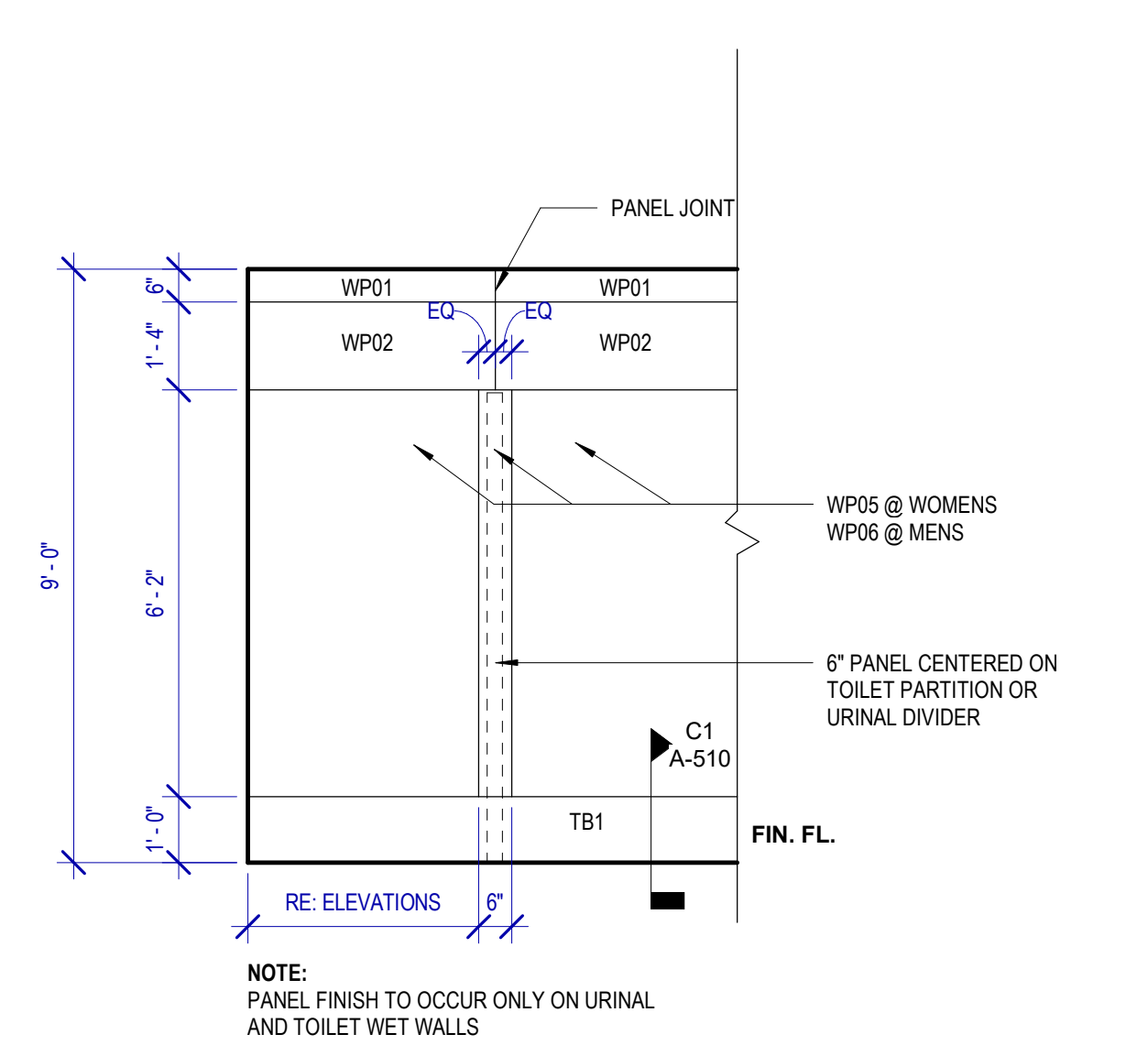
B3 TYP. LAVATORY ISLAND (END)
SCALE: 3/8" = 1'-0"



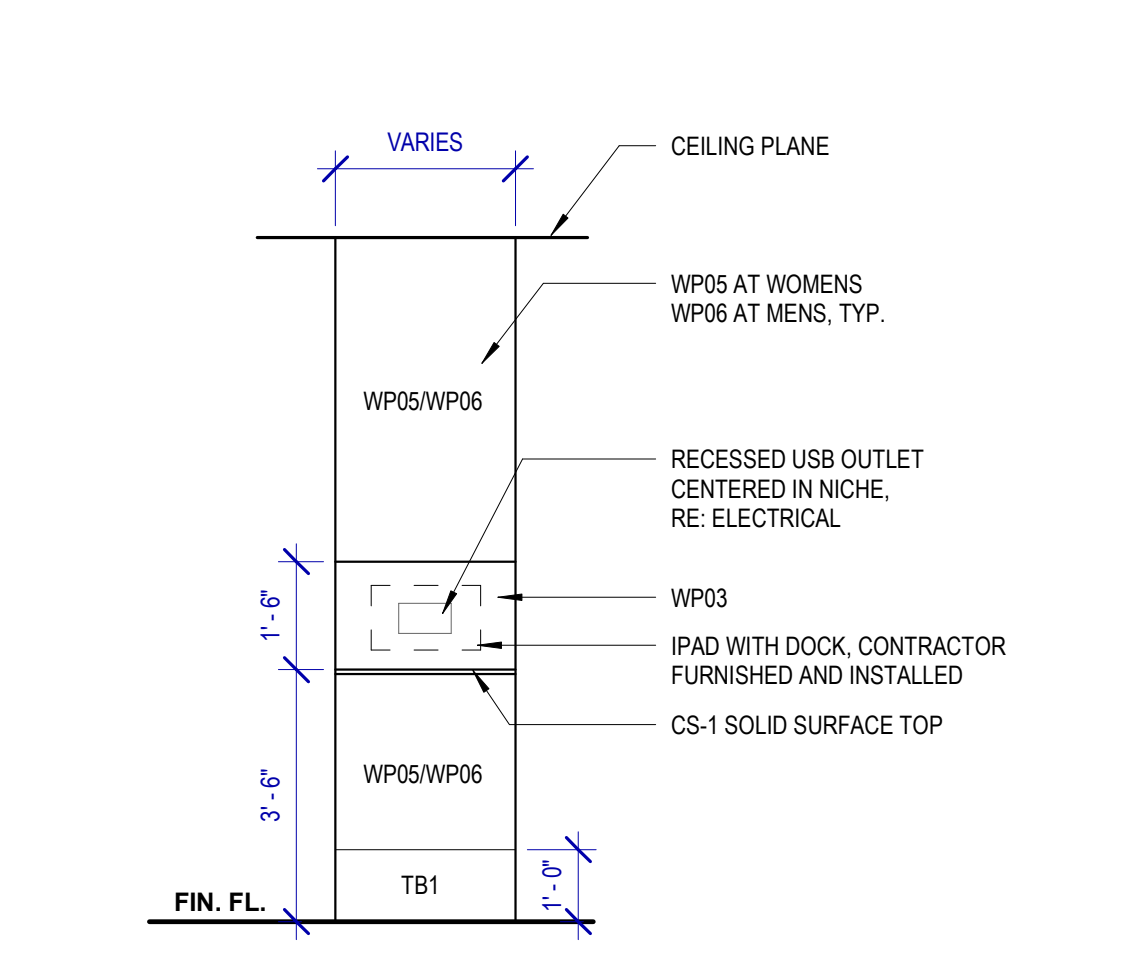
C3 TYPICAL LAVATORY ISLAND
SCALE: 3/8" = 1'-0"



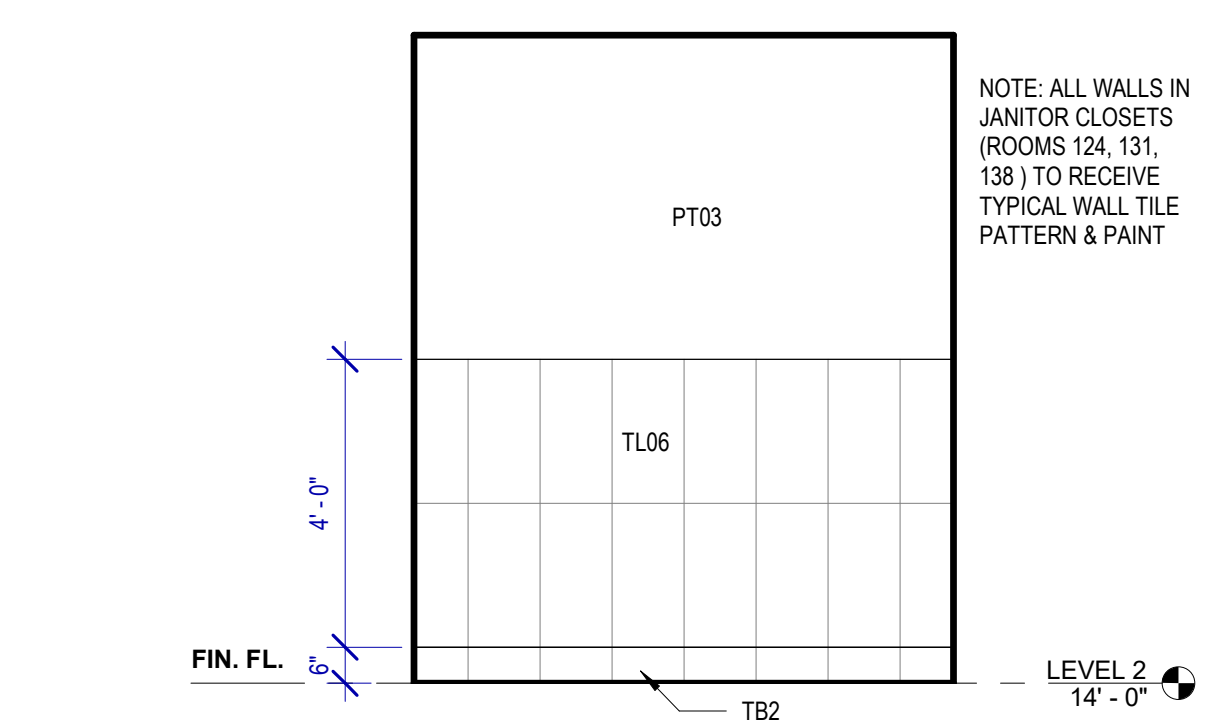
A2 TYPICAL WALL PATTERN
SCALE: 3/8" = 1'-0"



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

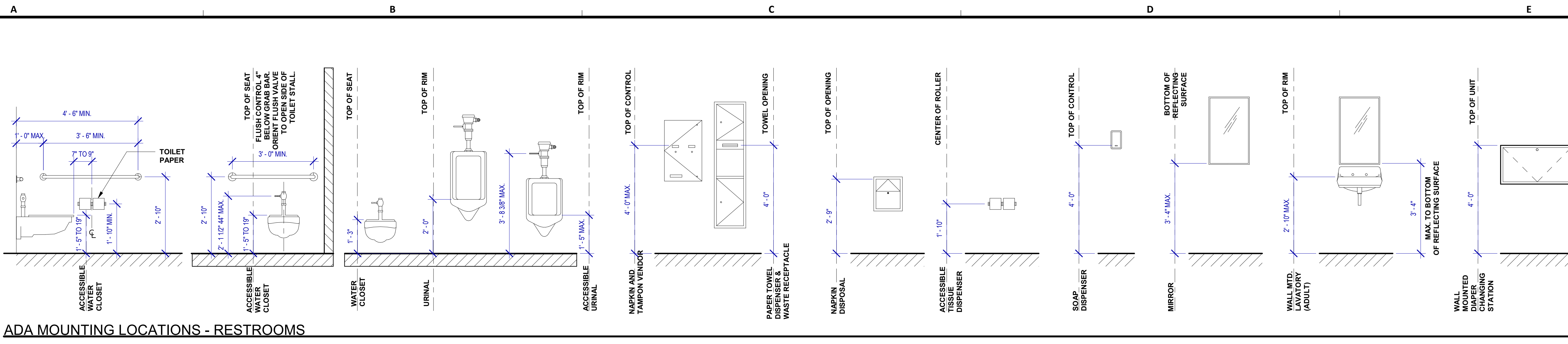


C2 TYPICAL IPAD STATION ELEVATION
SCALE: 3/8" = 1'-0"

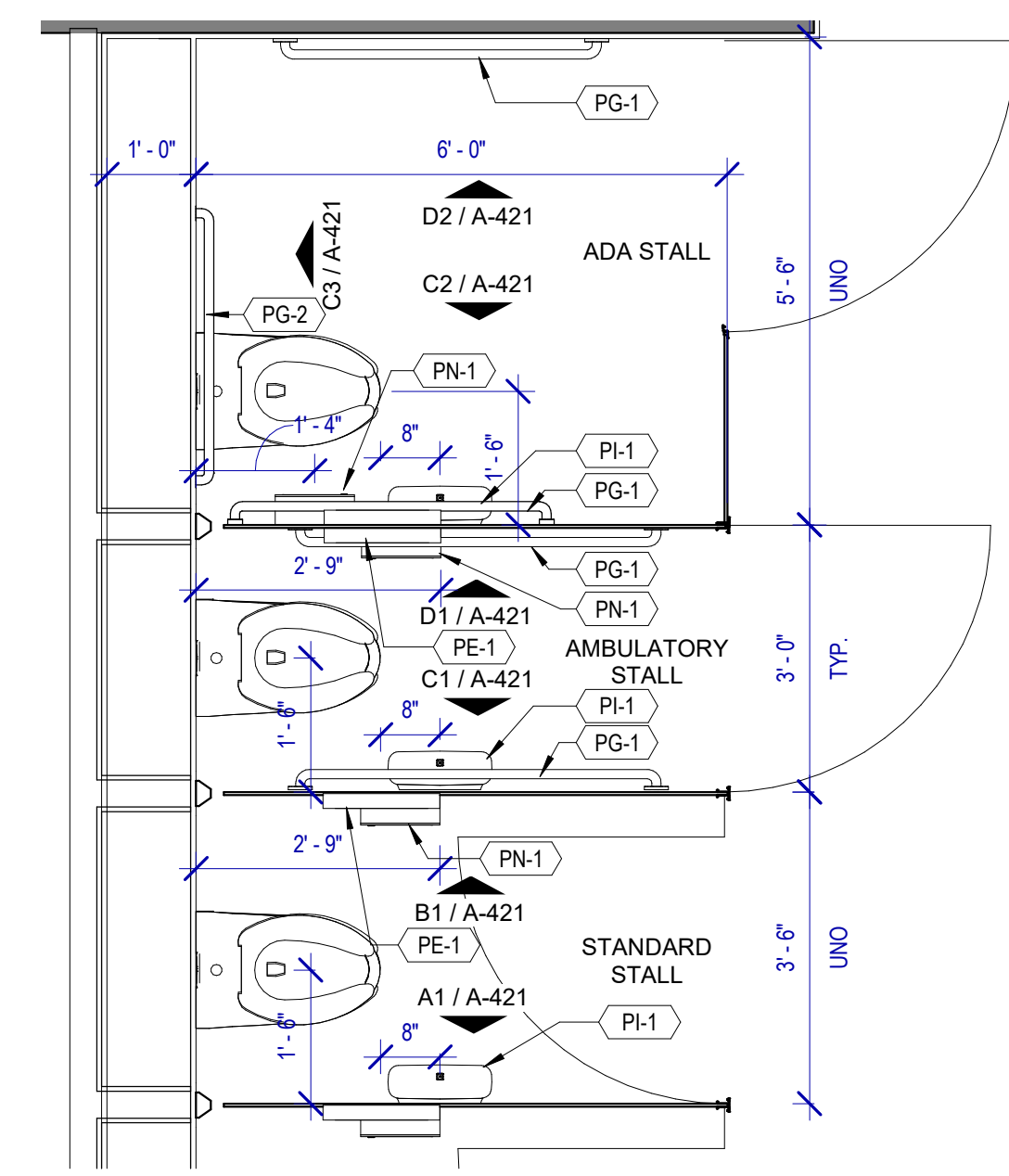


D2 TYP. ELEVATION - WALL PATTERN @ JANITOR CLOSET
SCALE: 3/8" = 1'-0"

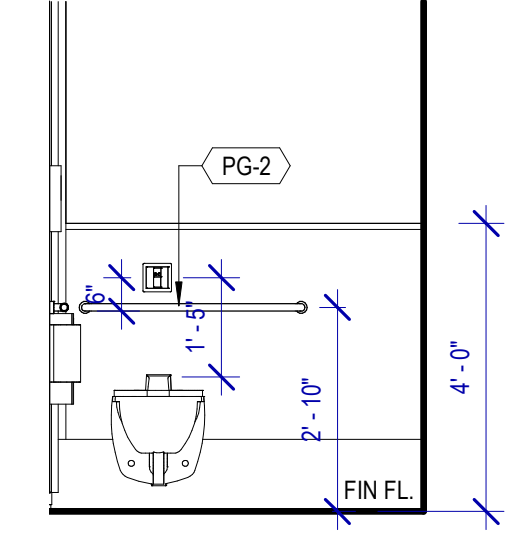
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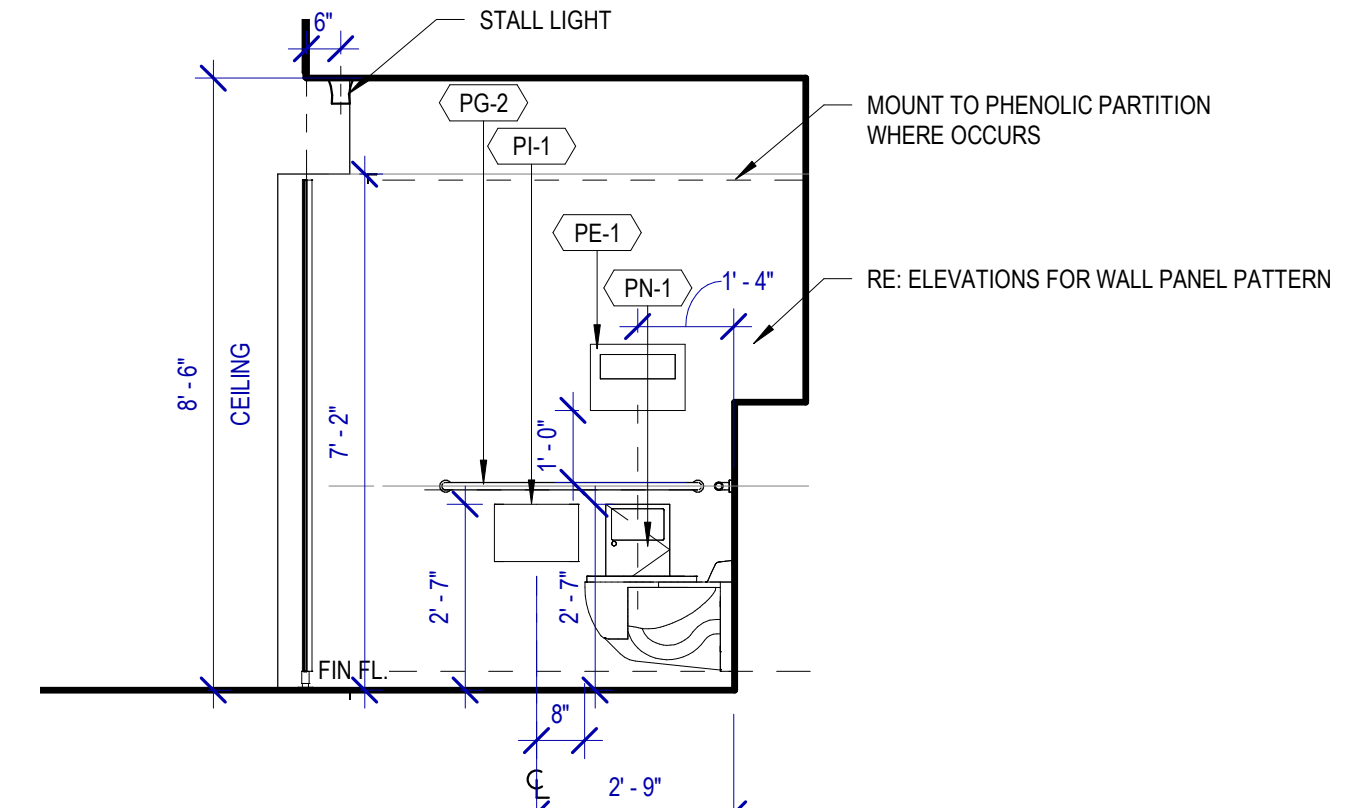
A4 ADA MOUNTING LOCATIONS - RESTROOMS



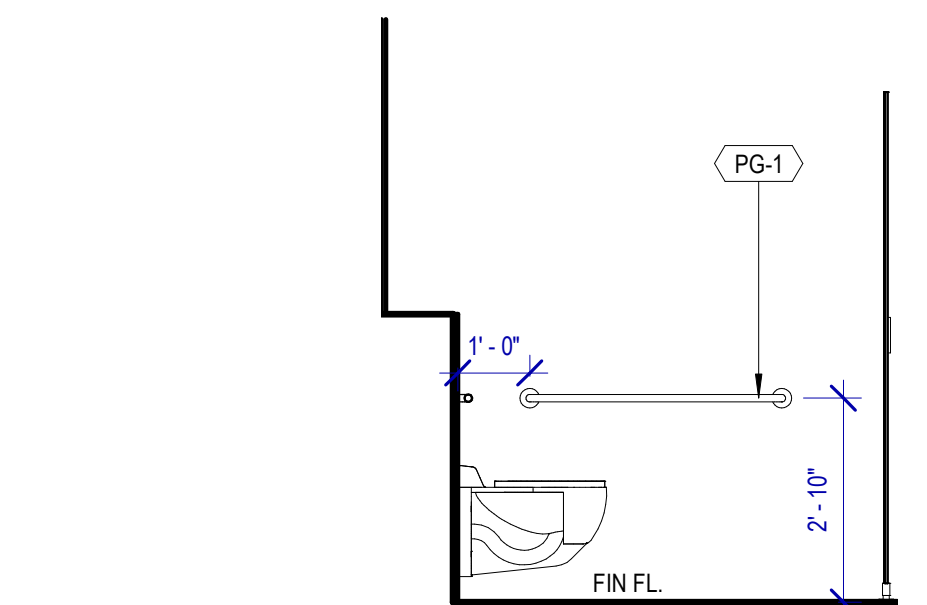
D3 TYPICAL TOILET STALL FLOOR PLANS
SCALE: 1/2" = 1'-0"
WOMENS RESTROOM SHOWN



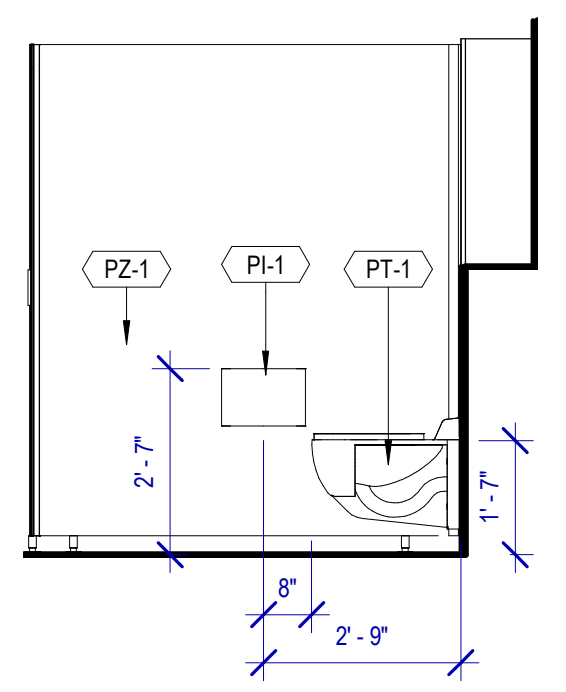
C3 TYPICAL ADA STALL - BACK
SCALE: 3/8" = 1'-0"
WOMENS RESTROOM SHOWN



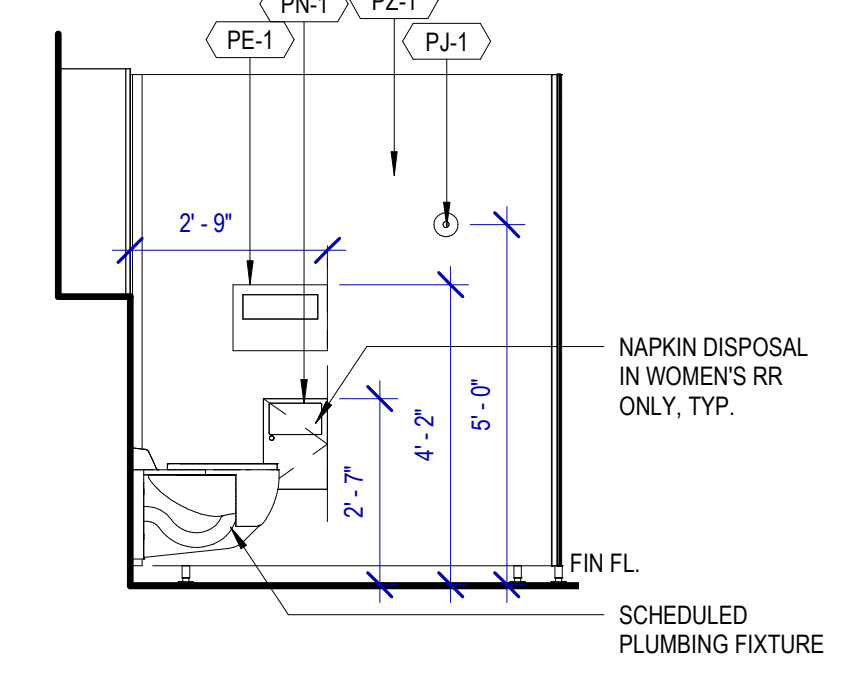
C2 TYP. ELEVATION - ADA STALL - A
SCALE: 3/8" = 1'-0"
WOMENS RESTROOM SHOWN



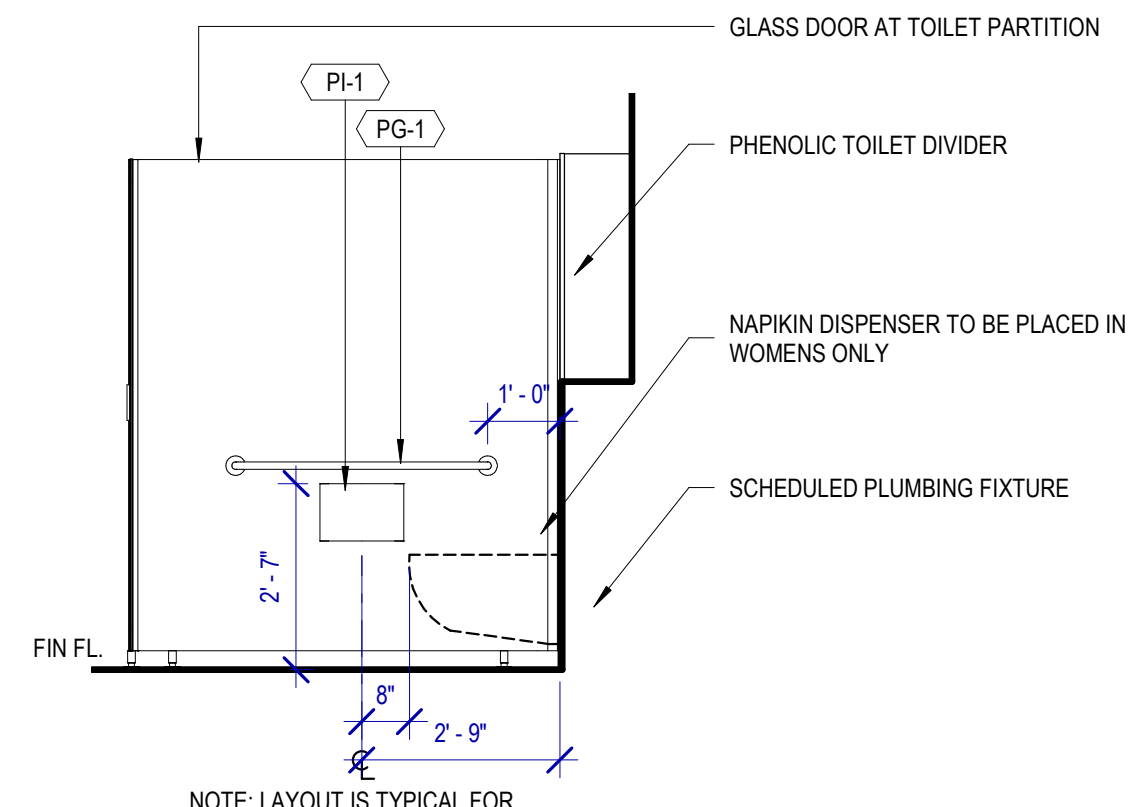
D2 TYPICAL ADA STALL ELEVATION - B
SCALE: 3/8" = 1'-0"
WOMENS RESTROOM SHOWN



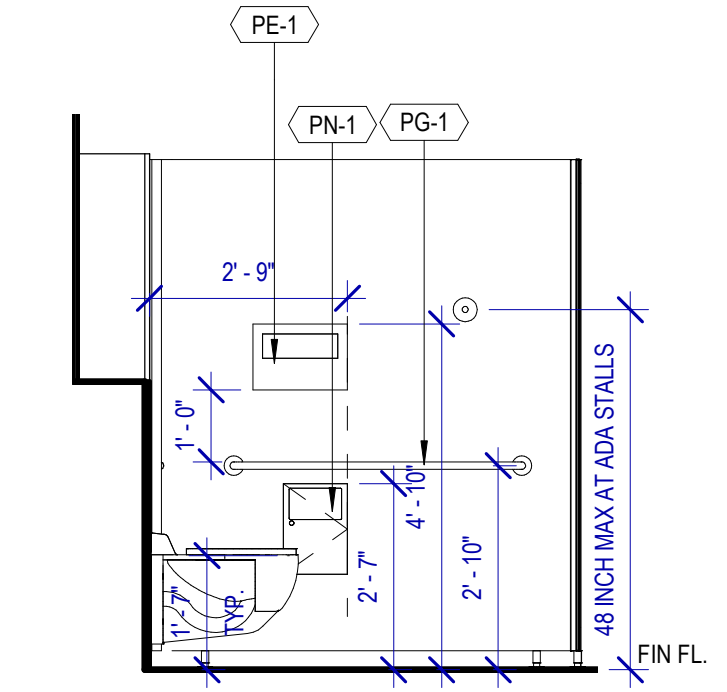
A1 TYPICAL ELEVATION - STANDARD STALL A
SCALE: 3/8" = 1'-0"



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



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



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

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
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- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
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- PJ-1 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
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- PM-2 CARVART FLOATING MIRROR
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- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
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- PX-1 BOBRICK B-223

INTERIOR ELEVATIONS NOTES

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HOUSTON AIRPORTS

7800 Airport Blvd
Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

| | | | |
|------------|--------|------------|--|
| C.I.P. No. | PN209A | A.I.P. No. | |
| C.O.H. No. | | D.O.A. No. | |

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

| REVISIONS | | | |
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| NO. | DESCRIPTION | DATE | BY |
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**

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

REGISTERED ARCHITECT
DANIEL ORTIZ
STATE OF TEXAS
03.22.22

SHEET NAME: TYPICAL STALL PLANS & ELEVATIONS
SHEET No.: A-421 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: DOA DWG FILE: PLOT DATE: HAS FILE: FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt



7800 Airport Blvd
Houston, TX 77061

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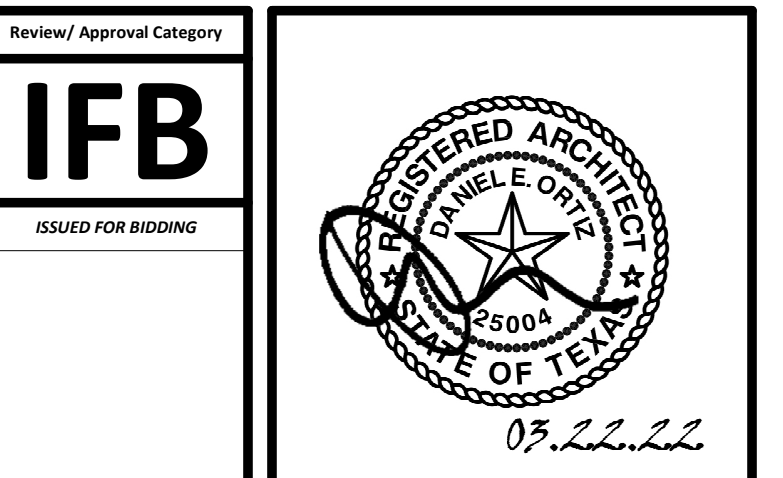
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

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| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 03.22.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: INTERIOR ELEVATIONS GATES 20-23

SHEET No. A-422 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

PLUMBING FIXTURES

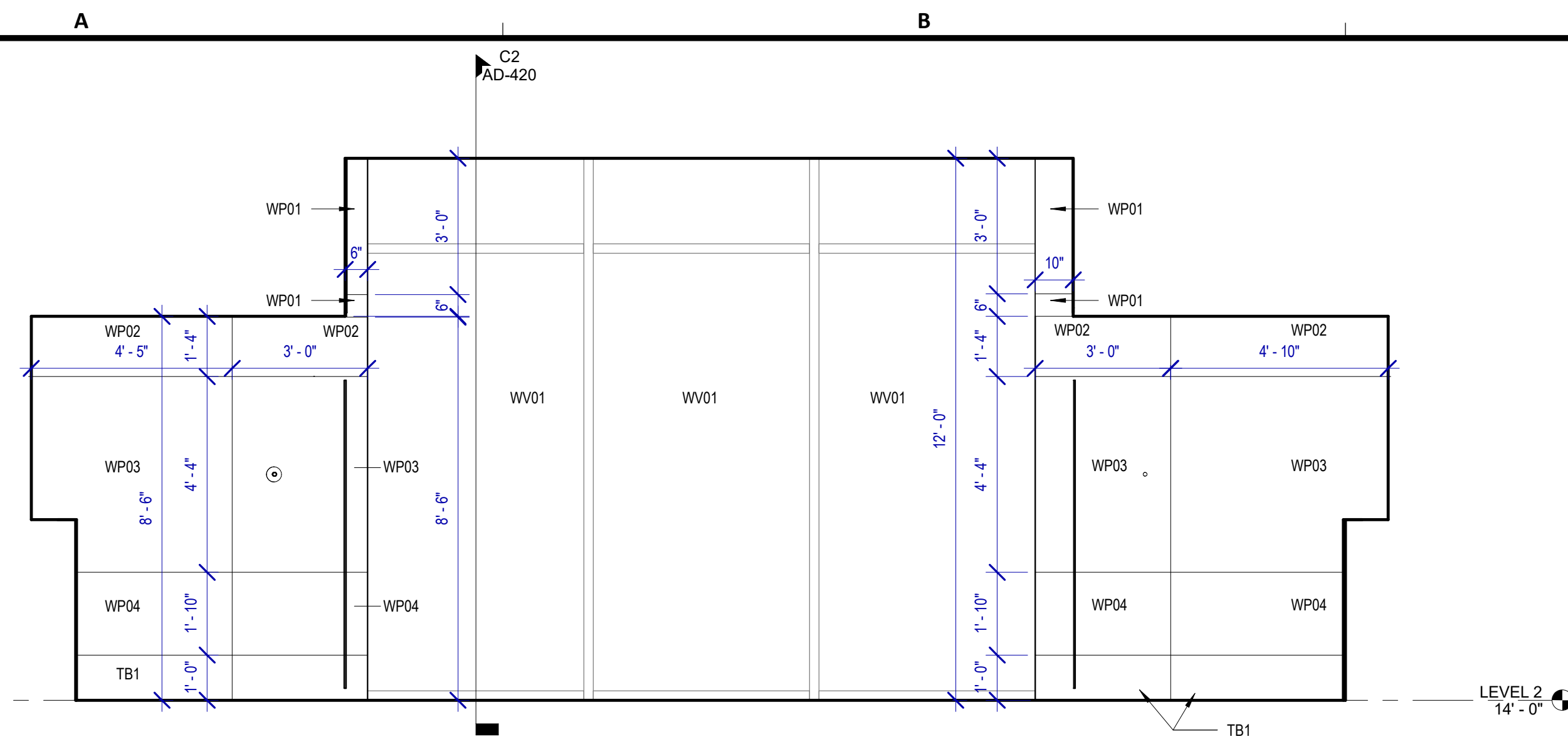
- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PY-1 ZURN MOP SINK 1996-24

TOILET ACCESSORIES

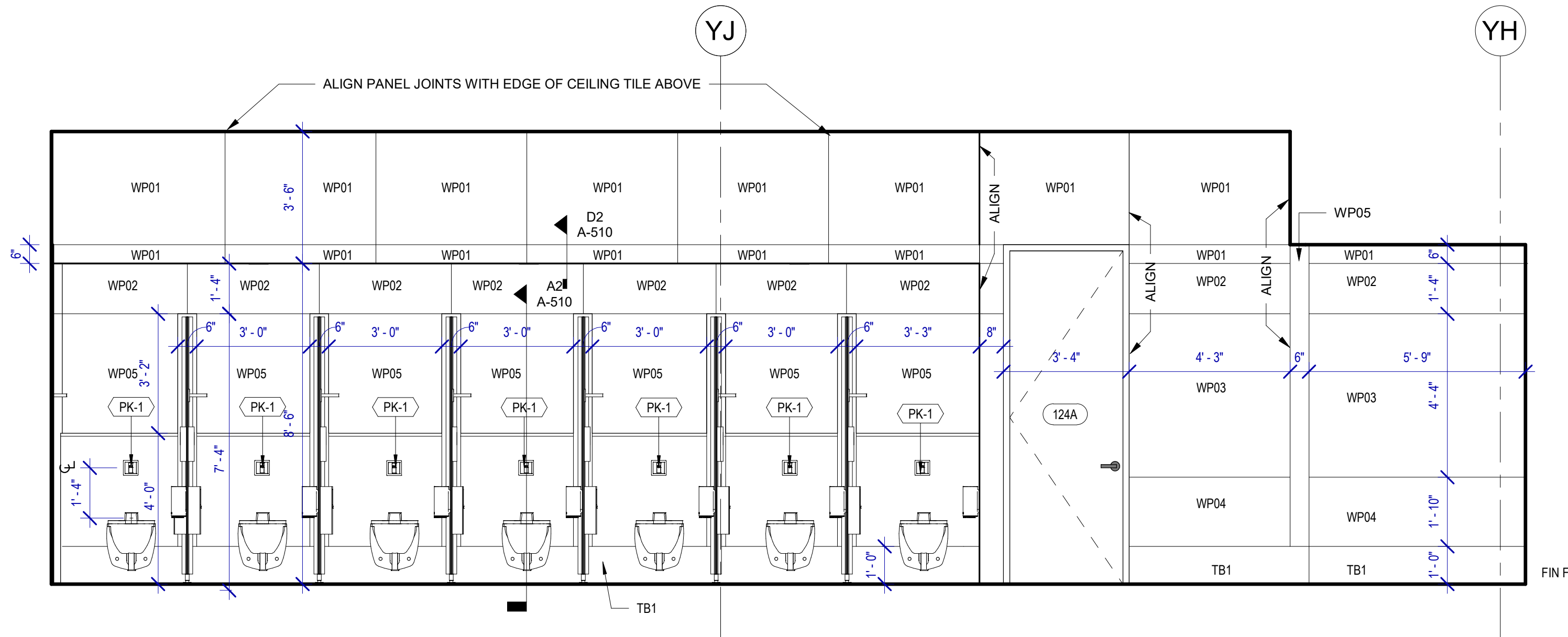
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
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- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVAIR RIBBON SOAP DISPENSER L-R011
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 0.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
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- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B
- PX-1 BOBRICK B-223

INTERIOR ELEVATIONS NOTES

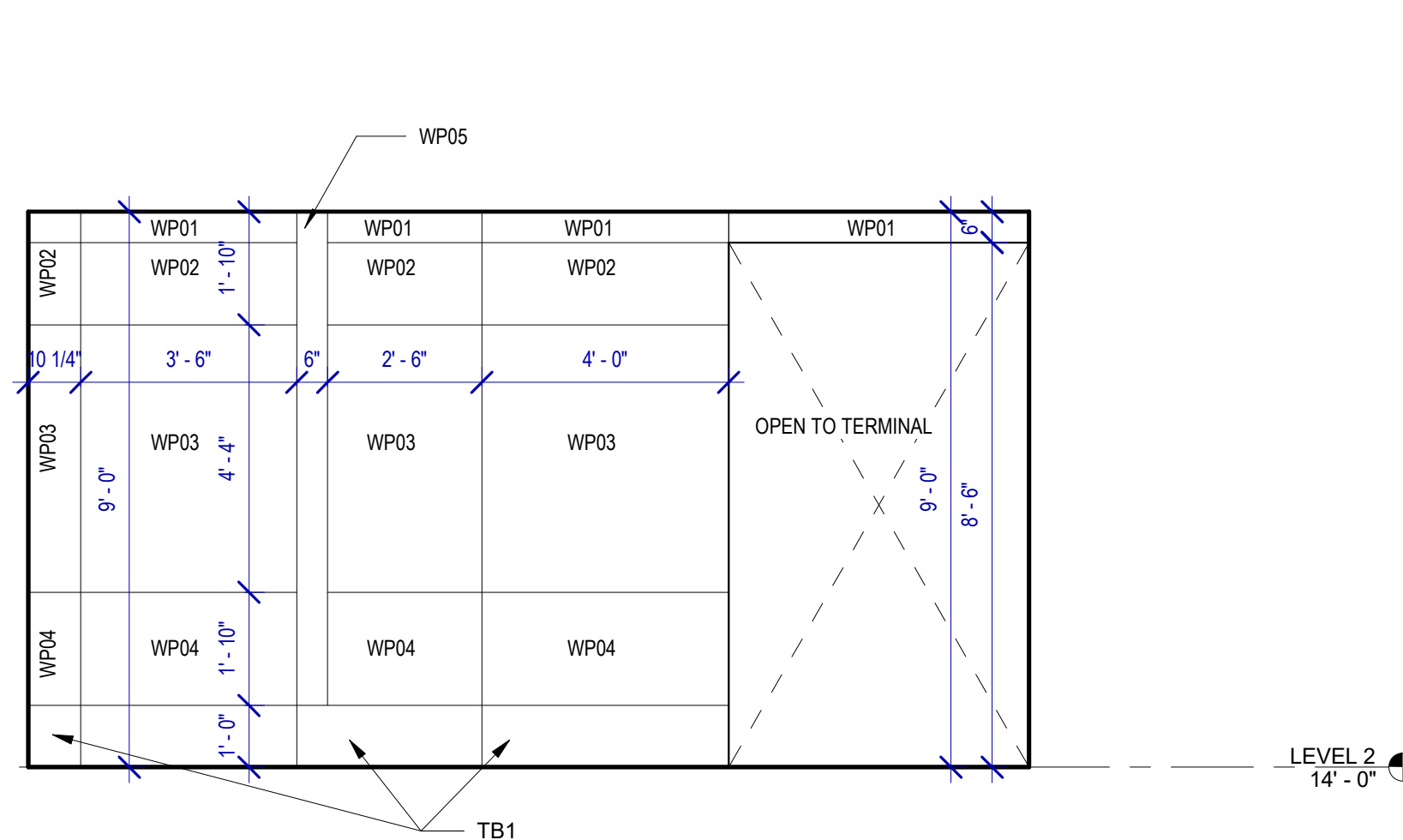
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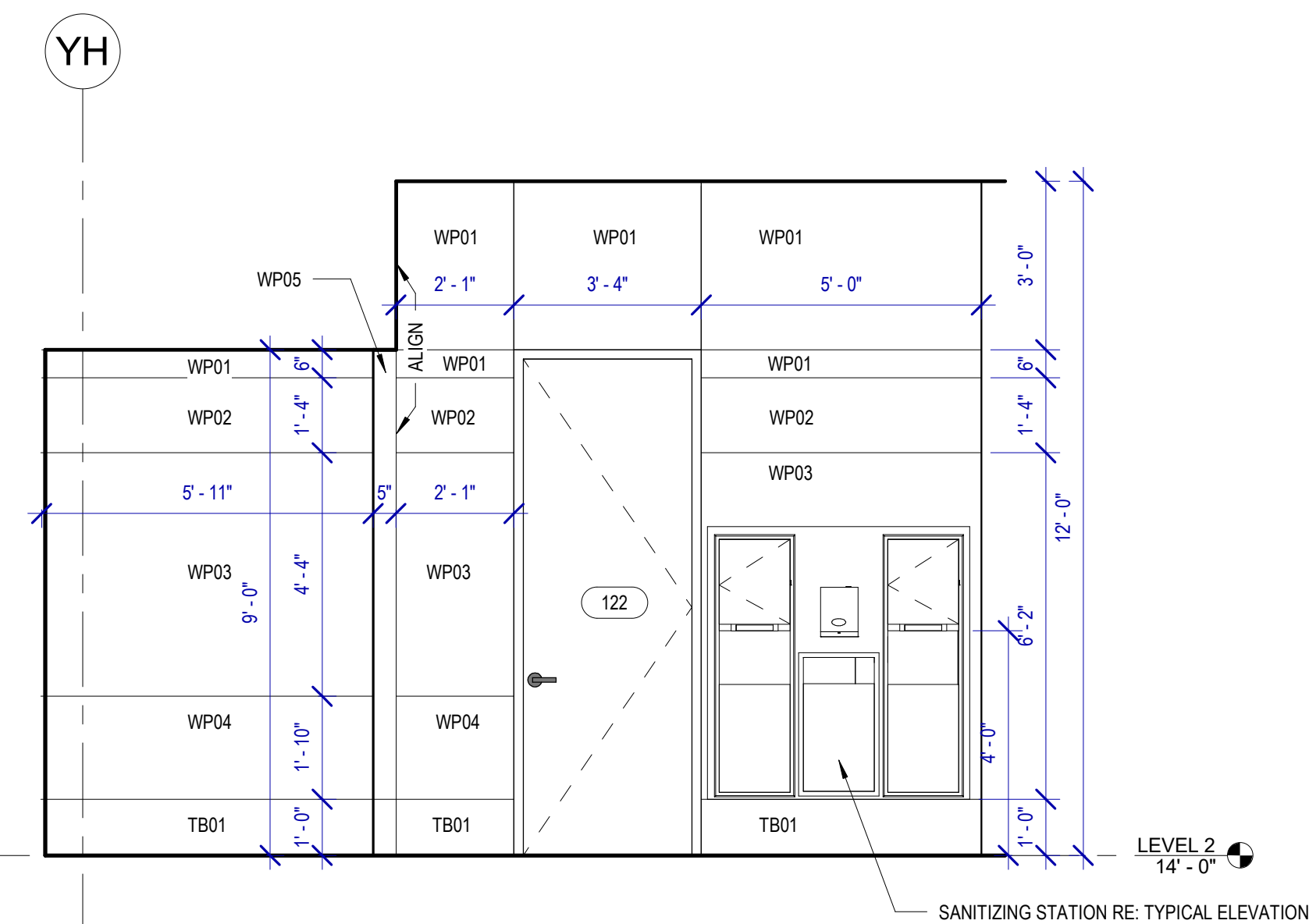
A4 WOMENS 121 NORTH
SCALE: 3/8" = 1'-0"



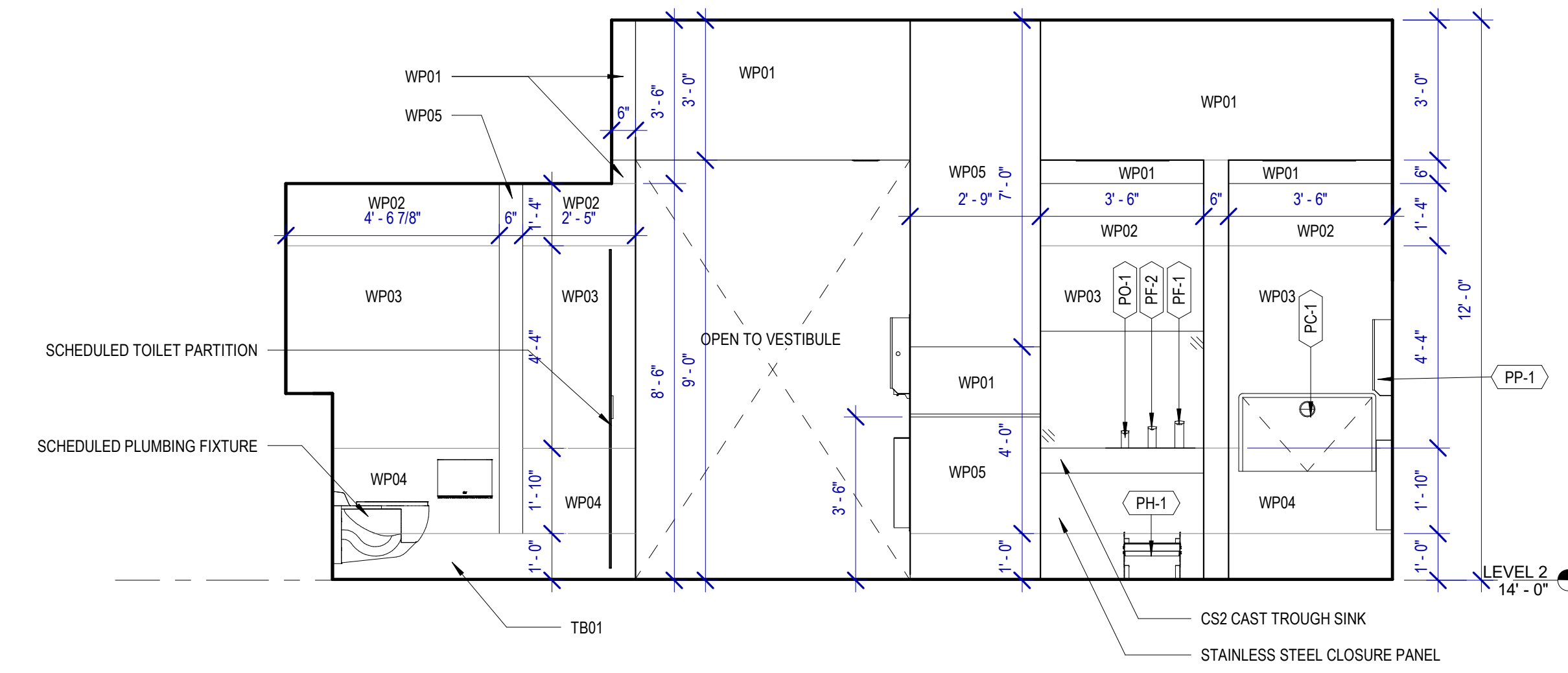
A3 WOMENS 121 C
SCALE: 3/8" = 1'-0"



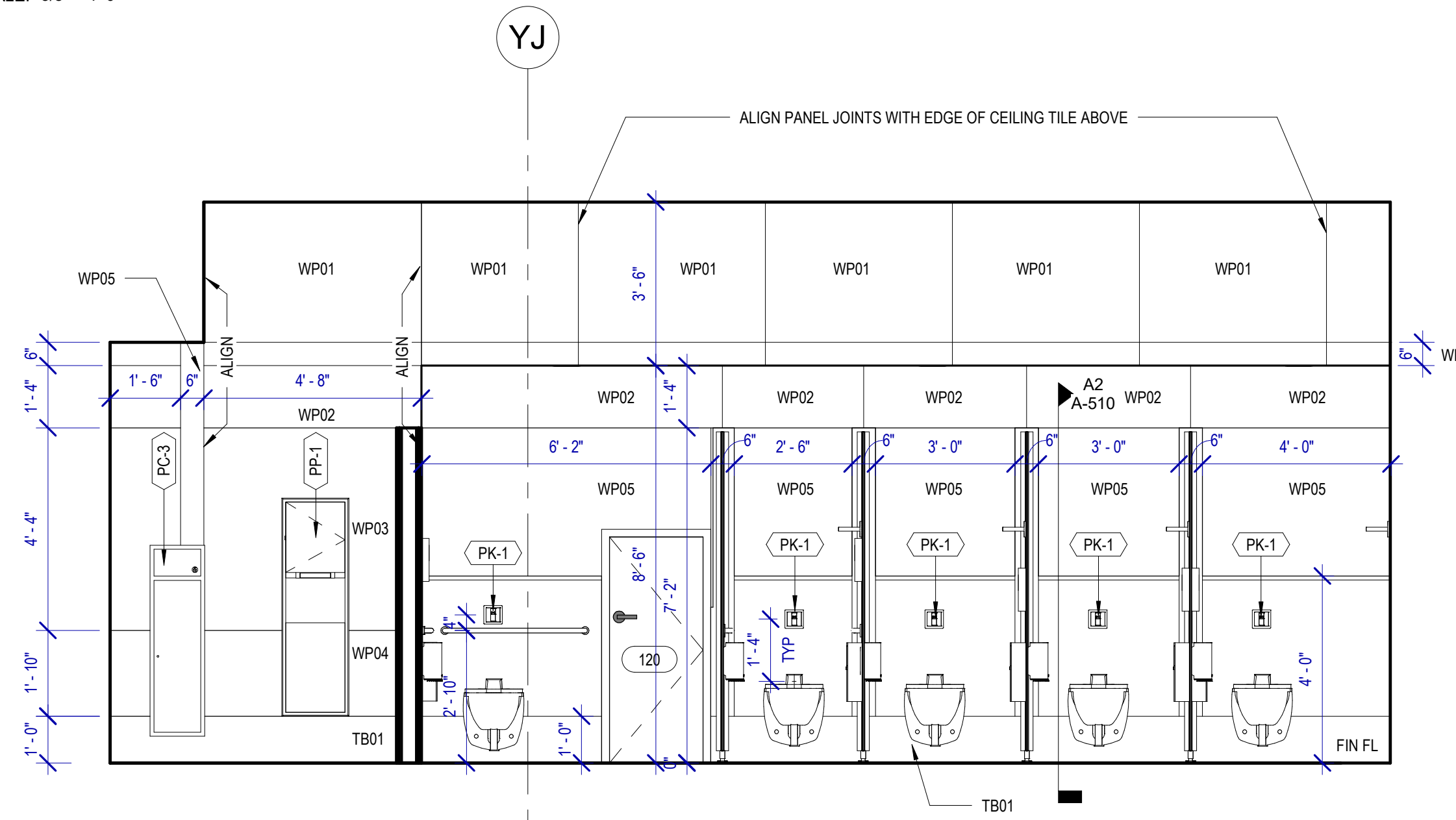
A2 WOMENS 121 VESTIBULE B
SCALE: 3/8" = 1'-0"



A1 WOMENS 121 VESTIBULE A
SCALE: 3/8" = 1'-0"



B2 WOMENS 121 B
SCALE: 3/8" = 1'-0"



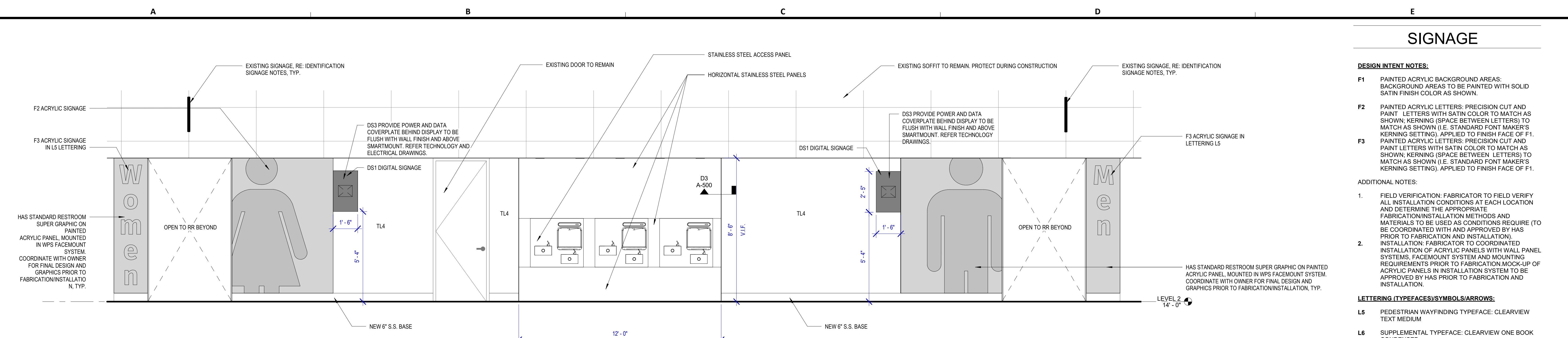
B1 WOMENS 121 A
SCALE: 3/8" = 1'-0"

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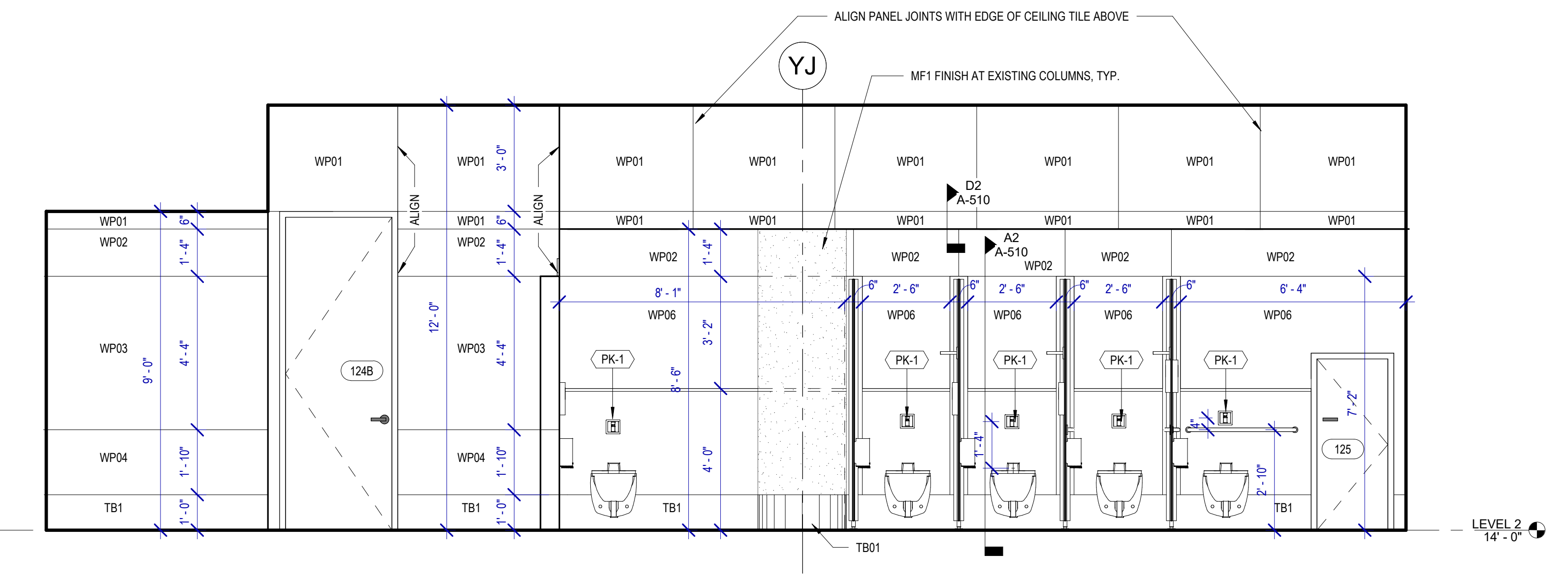
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DOA DWG FILE:
OLD DOA No.:

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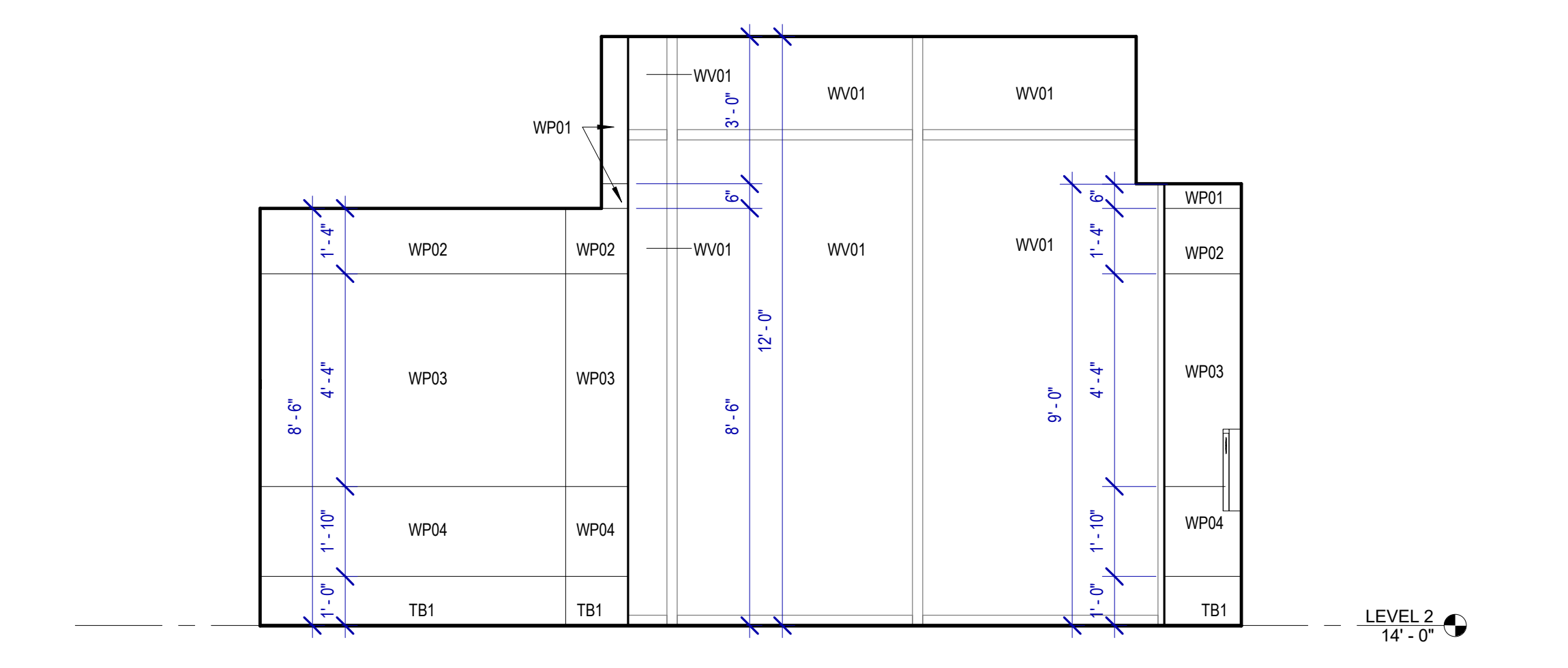
HAS FILE:



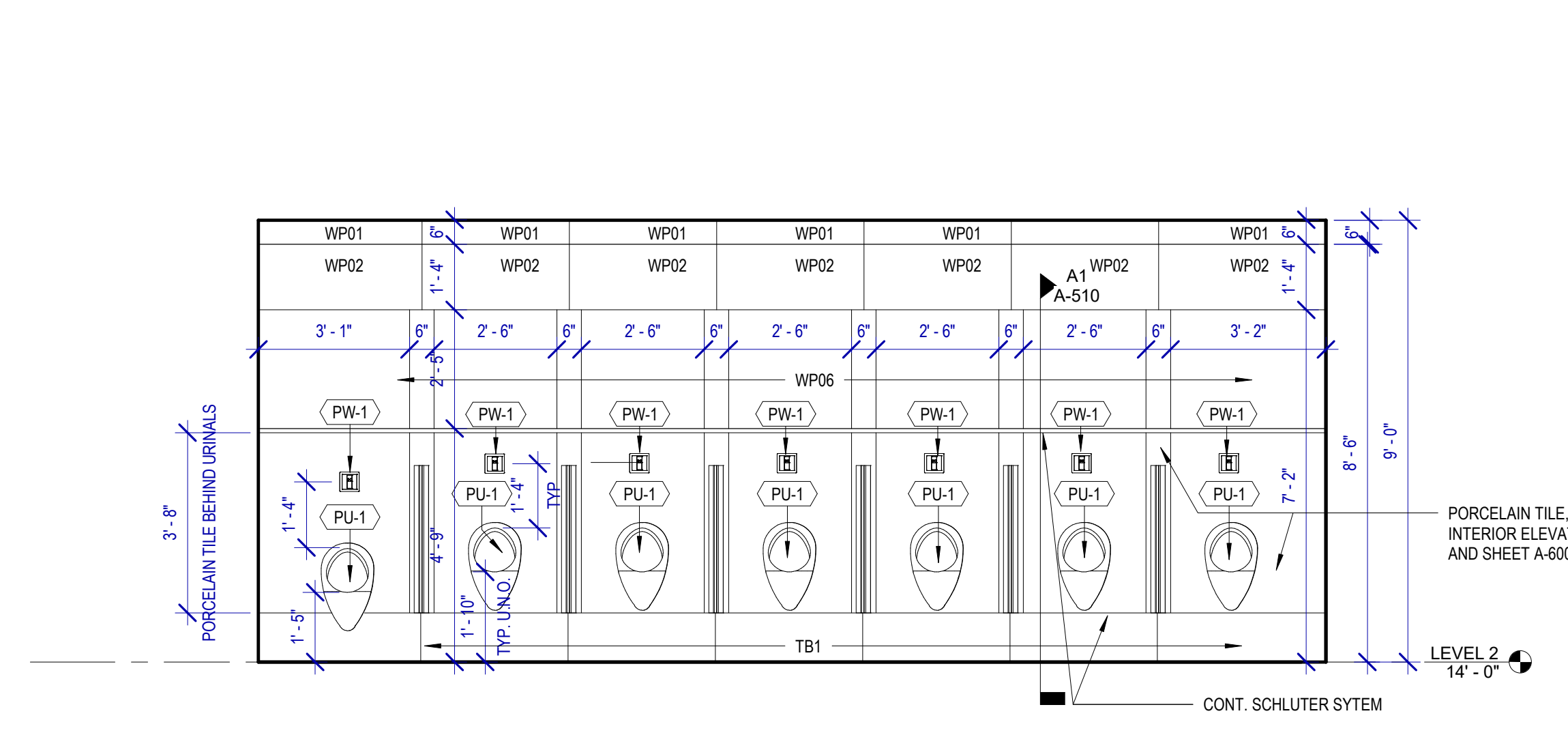
A4 ELEVATION-GATES 20-23 CORRIDOR
SCALE: 3/8" = 1'-0"



A3 MENS 126 A
SCALE: 3/8" = 1'-0"



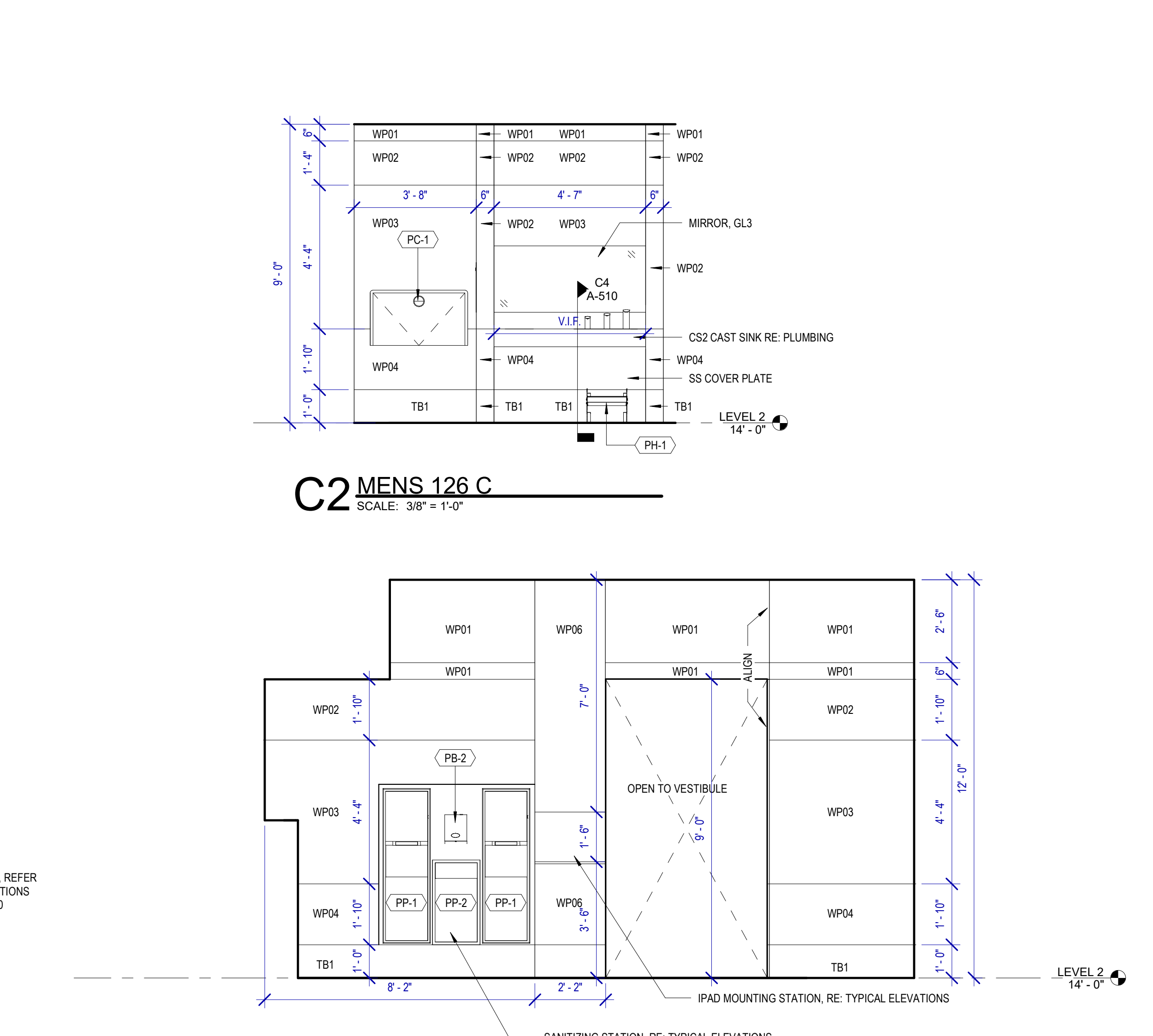
A2 MENS 126 D
SCALE: 3/8" = 1'-0"



A1 MENS 126 B
SCALE: 3/8" = 1'-0"



C2 MENS 126 C
SCALE: 3/8" = 1'-0"



B1 MENS 126 E
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

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- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
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- PJ-1 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
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- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE, 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS-975B
- PX-1 BOBRICK B-223

PLUMBING FIXTURES

- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- PT-1 TOTO WALL MOUNTED TOILET CT708BEVG
- PJ-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PY-1 ZURN MOP SINK 1986-24

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 BAORD FOR INSTALLATION OF NEW TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.

SIGNAGE

- DESIGN INTENT NOTES:**
- F1 PAINTED ACRYLIC BACKGROUND AREAS: BACKGROUND AREAS TO BE PAINTED WITH SOLID SATIN FINISH COLOR AS SHOWN.
 - F2 PAINTED ACRYLIC LETTERS: PRECISION CUT AND PAINT. LETTERS WITH SATIN COLOR TO MATCH AS SHOWN; KERNING (SPACE BETWEEN LETTERS) TO MATCH AS SHOWN (I.E. STANDARD FONT MAKER'S KERNING SETTING). APPLIED TO FINISH FACE OF F.1.
 - F3 PAINTED ACRYLIC LETTERS: PRECISION CUT AND PAINT. LETTERS WITH SATIN COLOR TO MATCH AS SHOWN; KERNING (SPACE BETWEEN LETTERS) TO MATCH AS SHOWN (I.E. STANDARD FONT MAKER'S KERNING SETTING). APPLIED TO FINISH FACE OF F.1.

- ADDITIONAL NOTES:**
1. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY ALL INSTALLATION CONDITIONS AT EACH LOCATION AND DETERMINE THE APPROPRIATE FABRICATION/INSTALLATION METHODS AND MATERIALS TO BE USED AS CONDITIONS REQUIRE (TO BE COORDINATED WITH AND APPROVED BY HAS PRIOR TO FABRICATION AND INSTALLATION).
 2. INSTALLATION: FABRICATOR TO COORDINATED INSTALLATION OF ACRYLIC PANELS WITH WALL PANEL SYSTEMS. FACE MOUNTING SYSTEM AND MOUNTING REQUIREMENTS PRIOR TO FABRICATION MOCK-UP OF ACRYLIC PANELS IN INSTALLATION SYSTEM TO BE APPROVED BY HAS PRIOR TO FABRICATION AND INSTALLATION.

- LETTERING (TYPEFACES/SYMBOLS/ARROWS):**
- L5 PEDESTRIAN WAYFINDING TYPEFACE: CLEARVIEW TEXT 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 (ART CAN BE EXTRACTED FROM DIGITAL VERSION OF THIS DRAWING)

- 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: PMS 433C
 - D7.2 MED. GRAY: PMS 431C
 - PC-5 NOT USED.
 - D17 C BLUE: PMS 300C
 - D23 TRAIN YELLOW: PMS 3965C
 - D6 MED. DARK GRAY: PMS 432C
 - D18 C WATERMARK: PMS 294C
 - D24 TRAIN WATERMARK: PMS 3975C

- DIGITAL SIGNAGE:**
- DS1 SMART RESTROOM DIGITAL SIGNAGE: 32" DISPLAY. REFER TO ELECTRICAL AND TELECOM DRAWINGS.
 - DS3 PROVIDE POWER OUTLET AND DATA OUTLETS. REFER TO ELECTRICAL AND TELECOM DRAWINGS.

- IDENTIFICATION SIGNAGE:**
1. EXISTING ROOM IDENTIFICATION AND WAYFINDING SIGNAGE TO BE SALVAGED PRIOR TO CONSTRUCTION FOR REINSTALLATION, INCLUDING BUT NOT LIMITED TO: ROOM SIGNS AND BLADE/FIN SIGNS.
 2. ALL EXISTING SIGNAGE REMOVED TO BE REVIEWED BY HAS AND THE WAYFINDING DESIGN CONSULTANTS FOR ANY CHANGES OR UPDATES MADE TO THE HAS STANDARDS AND GRAPHICS.
 3. NEW SIGNAGE REQUIRED PER OWNER TO BE COORDINATED BY THE CONTRACTOR. ALL FINAL DETAILS AND SPECIFICATIONS TO BE PROVIDED BY THE CONTRACTOR/FABRICATOR/INSTALLER WITHIN THEIR FINAL APPROVED FABRICATION-READY SHOP DRAWINGS.
 4. INSTALLATION OF EXISTING AND NEW SIGNAGE TO BE PER ALL APPLICABLE CODES, TDLR/ADA STANDARDS, AND HAS STANDARDS.

7800 Airport Blvd
Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. **PN209A** A.I.P. No.
C.O.H. No. D.O.A. No.

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

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**

Review/Approval Category
IFB
ISSUED FOR BIDDING

REGISTERED ARCHITECT
DANIEL ORTIZ
STATE OF TEXAS
03.22.22

SHEET NAME: INTERIOR ELEVATIONS GATES 20-23
SHEET No. A-423 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. **PN209A** A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

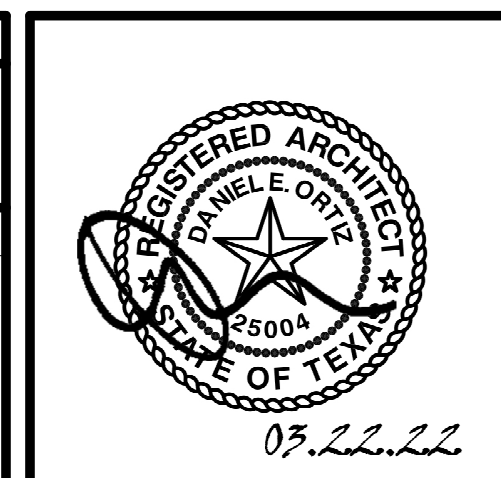
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

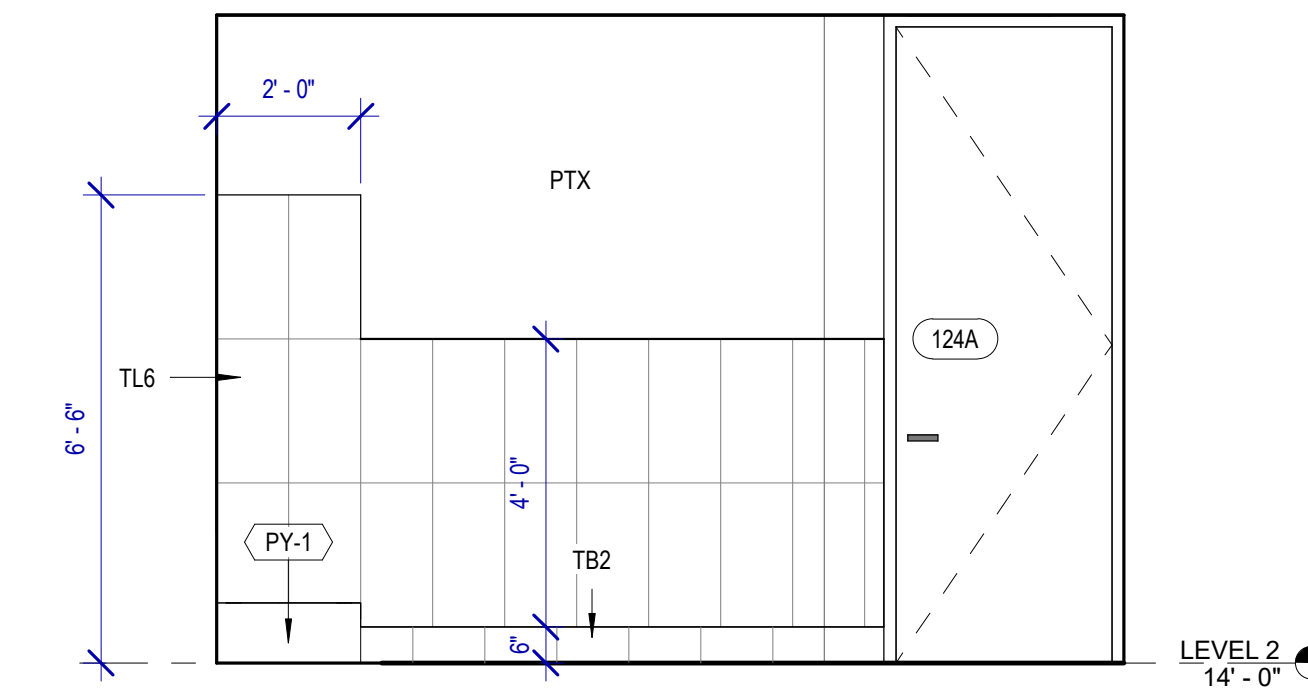
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

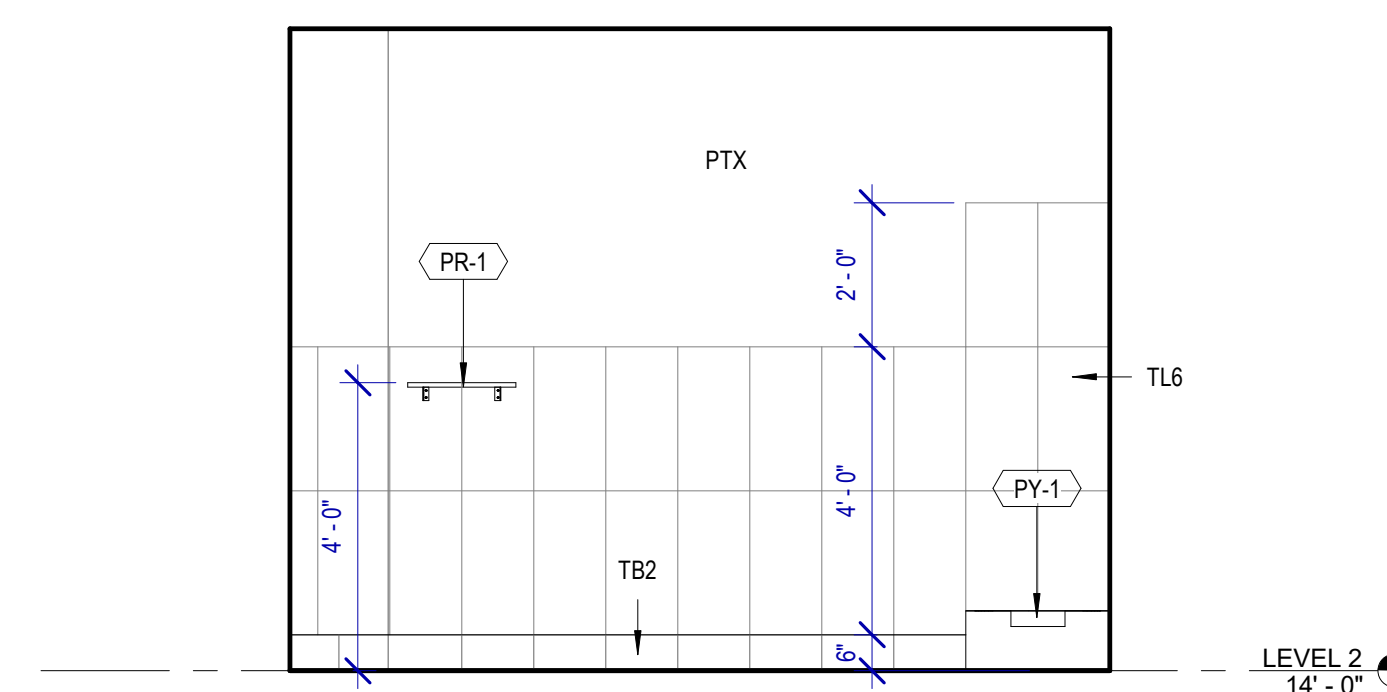


INTERIOR ELEVATIONS NOTES

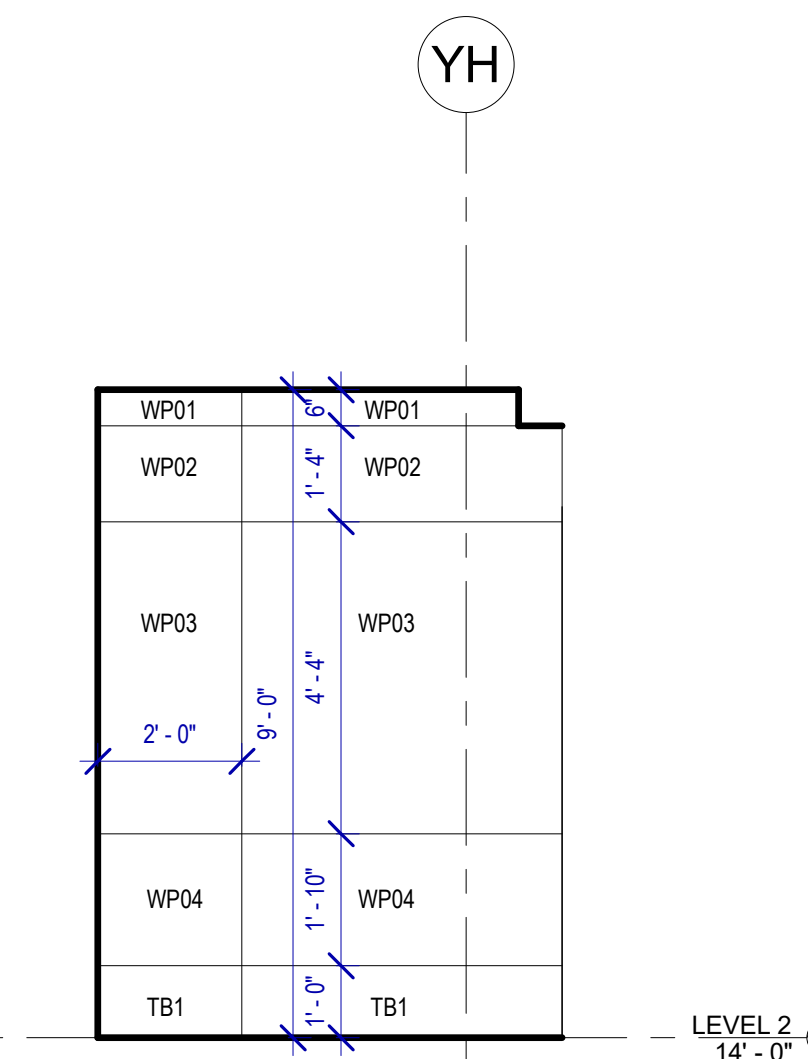
- REFER TO SHEET A600 FOR FINISH LEGEND.
- AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
- AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET ISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL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



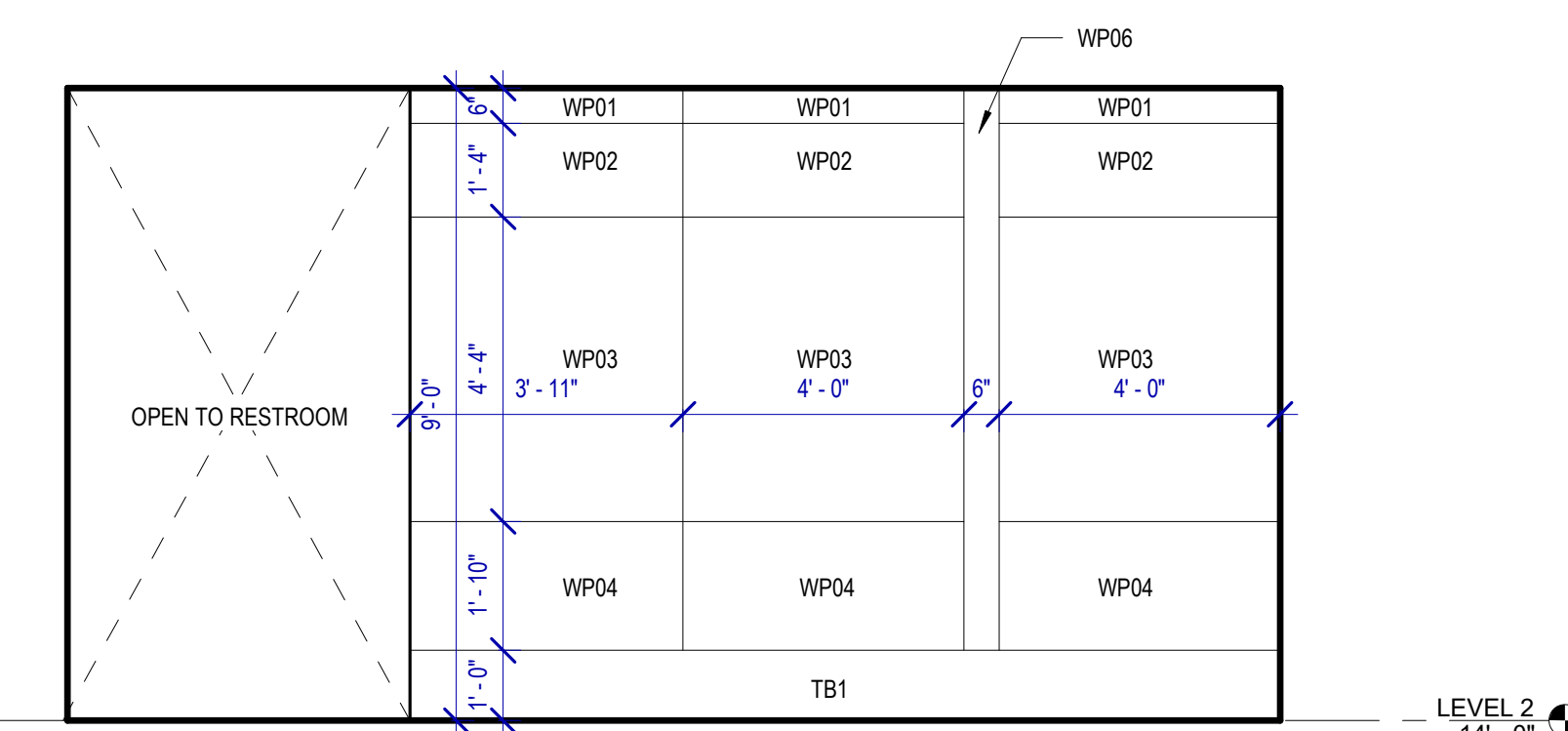
D4 JANITOR CLOSET WEST 124
SCALE: 3/8" = 1'-0"



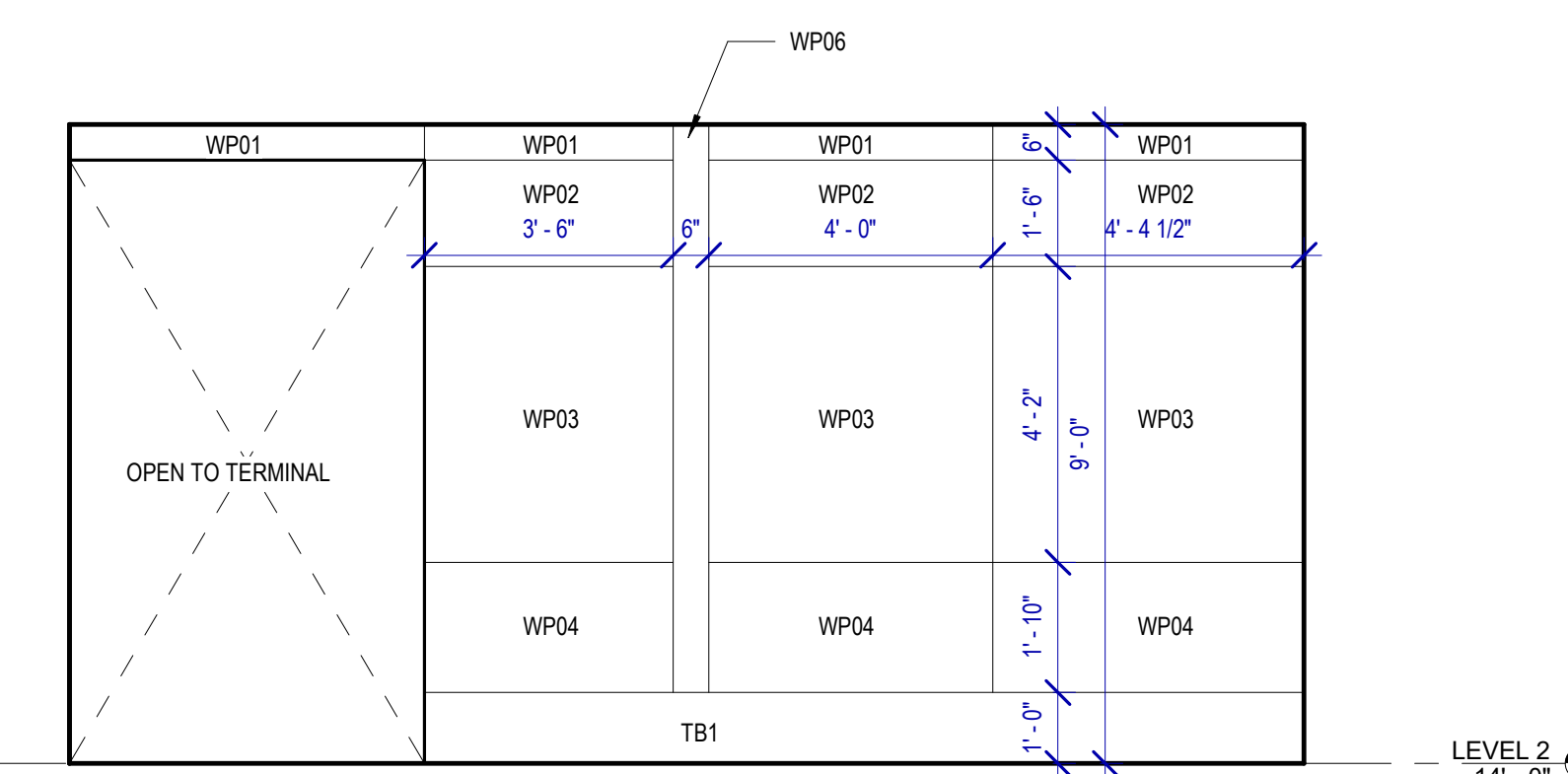
B3 JANITOR CLOSET SOUTH 124
SCALE: 3/8" = 1'-0"



D3 MENS 126 H
SCALE: 3/8" = 1'-0"



B2 MENS 126 G
SCALE: 3/8" = 1'-0"



D2 MENS 126 F
SCALE: 3/8" = 1'-0"

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

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

SHEET NAME: INTERIOR ELEVATIONS GATES 20-23
SHEET No. A-424 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category

IFB
ISSUED FOR BIDDING

SHEET NAME: INTERIOR ELEVATIONS GATES 24-27

SHEET No. A-425 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

SIGNAGE

- DESIGN INTENT NOTES:**
- F1 PAINTED ACRYLIC BACKGROUND AREAS: BACKGROUND AREAS TO BE PAINTED WITH SOLID SATIN FINISH COLOR AS SHOWN.
 - F2 PAINTED ACRYLIC LETTERS: PRECISION CUT AND PAINT. LETTERS WITH SATIN COLOR TO MATCH AS SHOWN; KERNING (SPACE BETWEEN LETTERS) TO MATCH AS SHOWN (I.E. STANDARD FONT MAKER'S KERNING SETTING). APPLIED TO FINISH FACE OF F1. PAINTED ACRYLIC LETTERS: PRECISION CUT AND PAINT. LETTERS WITH SATIN COLOR TO MATCH AS SHOWN; KERNING (SPACE BETWEEN LETTERS) TO MATCH AS SHOWN (I.E. STANDARD FONT MAKER'S KERNING SETTING). APPLIED TO FINISH FACE OF F1.
 - F3

- ADDITIONAL NOTES:**
- FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY ALL INSTALLATION CONDITIONS AT EACH LOCATION AND DETERMINE THE APPROPRIATE FABRICATION/INSTALLATION METHODS AND MATERIALS TO BE USED AS CONDITIONS REQUIRE (TO BE COORDINATED WITH AND APPROVED BY HAS PRIOR TO FABRICATION AND INSTALLATION). INSTALLATION: FABRICATOR TO COORDINATED INSTALLATION OF ACRYLIC PANELS WITH WALL PANEL SYSTEMS, FACEMOUNT SYSTEM AND MOUNTING REQUIREMENTS PRIOR TO FABRICATION MOCK-UP OF ACRYLIC PANELS IN INSTALLATION SYSTEM TO BE APPROVED BY HAS PRIOR TO FABRICATION AND INSTALLATION.

- LETTERING (TYPEFACES/SYMBOLS/ARROWS):**
- L5 PEDESTRIAN WAYFINDING TYPEFACE: CLEARVIEW TEXT 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 (ART CAN BE EXTRACTED FROM DIGITAL VERSION OF THIS DRAWING)

- COLORS:**
- NOTES: "3" = DIGITALLY PRINTED COLORS ON 3M 7725-20 WHITE UNLESS OTHERWISE NOTED; "PP" = 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: PMS 433C
 - D7.2 MED. GRAY: PMS 431C
 - D17 C BLUE: PMS 300C
 - D23 TRAIN YELLOW: PMS 3965C
 - D6 MED. DARK GRAY: PMS 432C
 - D18 C WATERMARK: PMS 294C
 - D24 TRAIN WATERMARK: PMS 3973C

- DIGITAL SIGNAGE:**
- DS1 SMART RESTROOM DIGITAL SIGNAGE: 32" DISPLAY. REFER TO ELECTRICAL AND TELECOM DRAWINGS.
 - DS3 PROVIDE POWER OUTLET AND DATA OUTLETS. REFER TO ELECTRICAL AND TELECOM DRAWINGS.
- IDENTIFICATION SIGNAGE:**
- EXISTING ROOM IDENTIFICATION AND WAYFINDING SIGNAGE TO BE SALVAGED PRIOR TO CONSTRUCTION FOR REINSTALLATION, INCLUDING, BUT NOT LIMITED TO, ROOM SIGNS AND BLADE/FIN SIGNS. ALL EXISTING SIGNAGE REMOVED TO BE REVIEWED BY HAS AND THE WAYFINDING DESIGN CONSULTANTS FOR ANY CHANGES OR UPDATES MADE TO THE HAS STANDARDS AND GRAPHICS.
 - NEW SIGNAGE REQUIRED PER OWNER TO BE COORDINATED BY THE CONTRACTOR. ALL FINAL DETAILING AND SPECIFICATIONS TO BE PROVIDED BY THE CONTRACTOR/FABRICATOR/INSTALLER WITHIN THEIR FINAL APPROVED FABRICATION/READY SHOP DRAWINGS.
 - INSTALLATION OF EXISTING AND NEW SIGNAGE TO BE PER ALL APPLICABLE CODES, TOURADA STANDARDS, AND HAS STANDARDS.

TOILET ACCESSORIES

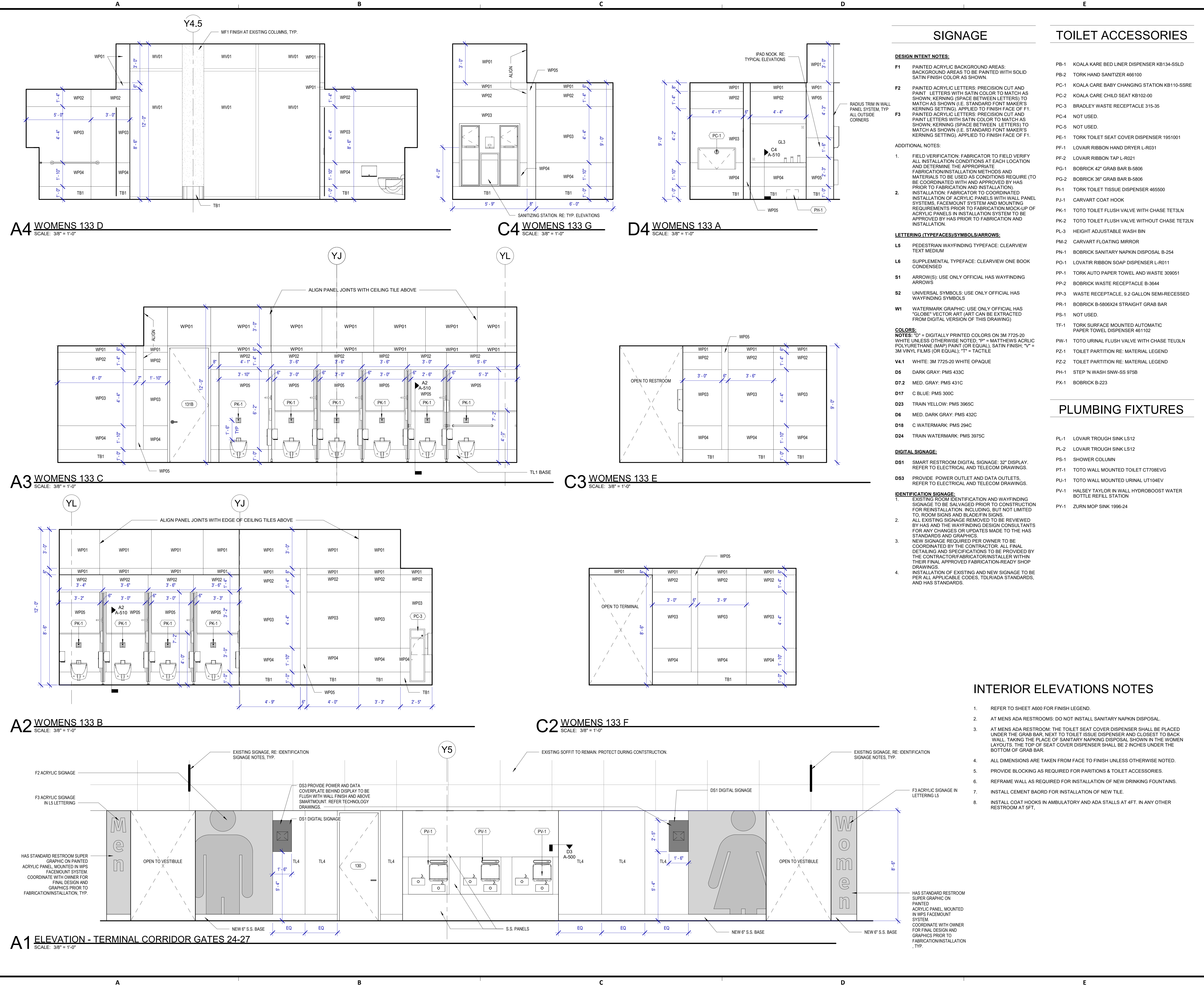
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SLSD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PL-3 HEIGHT ADJUSTABLE WASH BIN
- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVAIR RIBBON SOAP DISPENSER L-R011
- 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
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- TW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B
- PX-1 BOBRICK B-223

PLUMBING FIXTURES

- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- 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
- PV-1 ZURN MOP SINK 1996-24

INTERIOR ELEVATIONS NOTES

- REFER TO SHEET A600 FOR FINISH LEGEND.
- AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
- 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.
- ALL DIMENSIONS ARE TAKEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED.
- PROVIDE BLOCKING AS REQUIRED FOR PARTITIONS & TOILET ACCESSORIES.
- REFRAME WALL AS REQUIRED FOR INSTALLATION OF NEW DRINKING FOUNTAINS.
- INSTALL CEMENT BOARD FOR INSTALLATION OF NEW TILE.
- INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 9FT.



A4 WOMENS 133 D
SCALE: 3/8" = 1'-0"

C4 WOMENS 133 G
SCALE: 3/8" = 1'-0"

D4 WOMENS 133 A
SCALE: 3/8" = 1'-0"

A3 WOMENS 133 C
SCALE: 3/8" = 1'-0"

C3 WOMENS 133 E
SCALE: 3/8" = 1'-0"

A2 WOMENS 133 B
SCALE: 3/8" = 1'-0"

C2 WOMENS 133 F
SCALE: 3/8" = 1'-0"

A1 ELEVATION - TERMINAL CORRIDOR GATES 24-27
SCALE: 3/8" = 1'-0"

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt
 HAS FILE:
 PLOT DATE:
 PLOT DATE:
 PLOT DATE:
 PLOT DATE:
 PLOT DATE:

| REVISIONS | | | |
|-----------|--------------------|----------|----|
| No. | DESCRIPTION | DATE | BY |
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 02.11.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
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- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
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- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVATIR RIBBON SOAP DISPENSER L-R011
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- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B
- PX-1 BOBRICK B-223

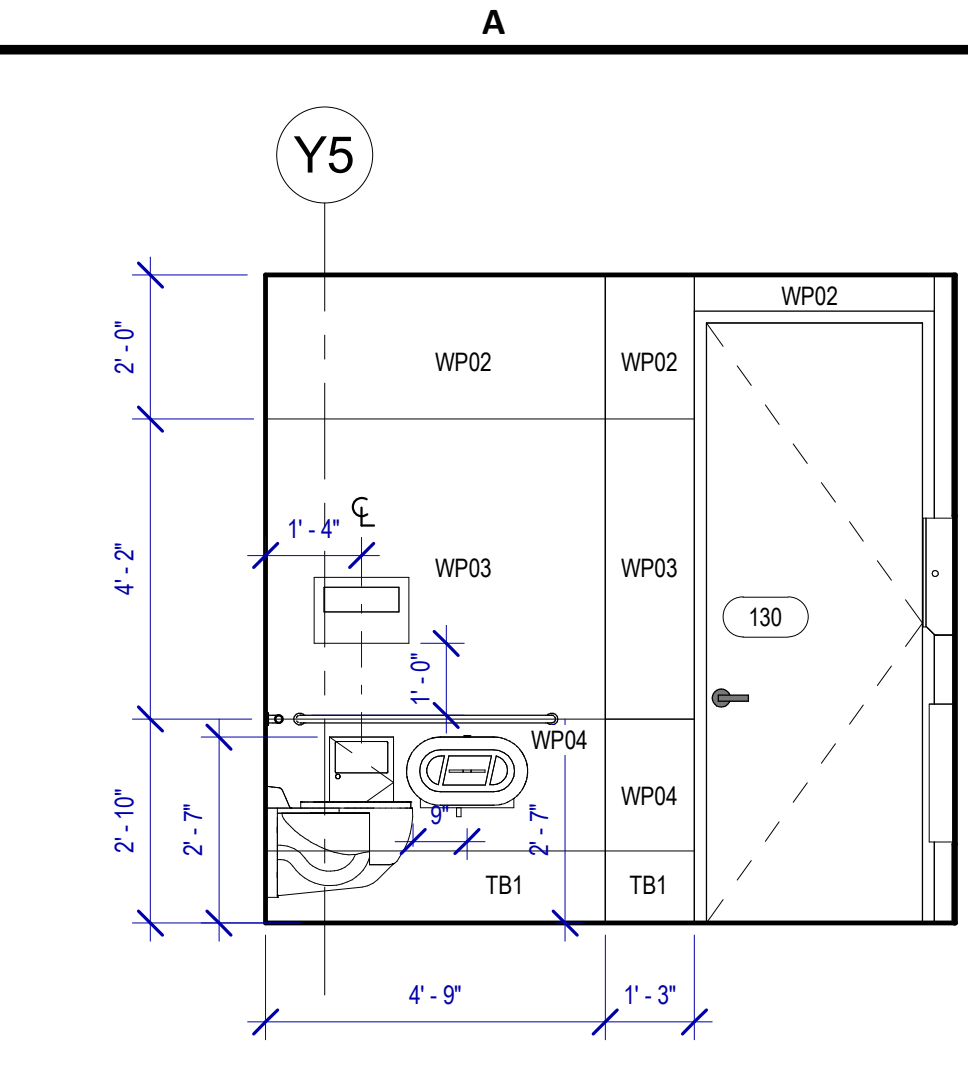
PLUMBING FIXTURES

- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- 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
- PY-1 ZURN MOP SINK 1996-24

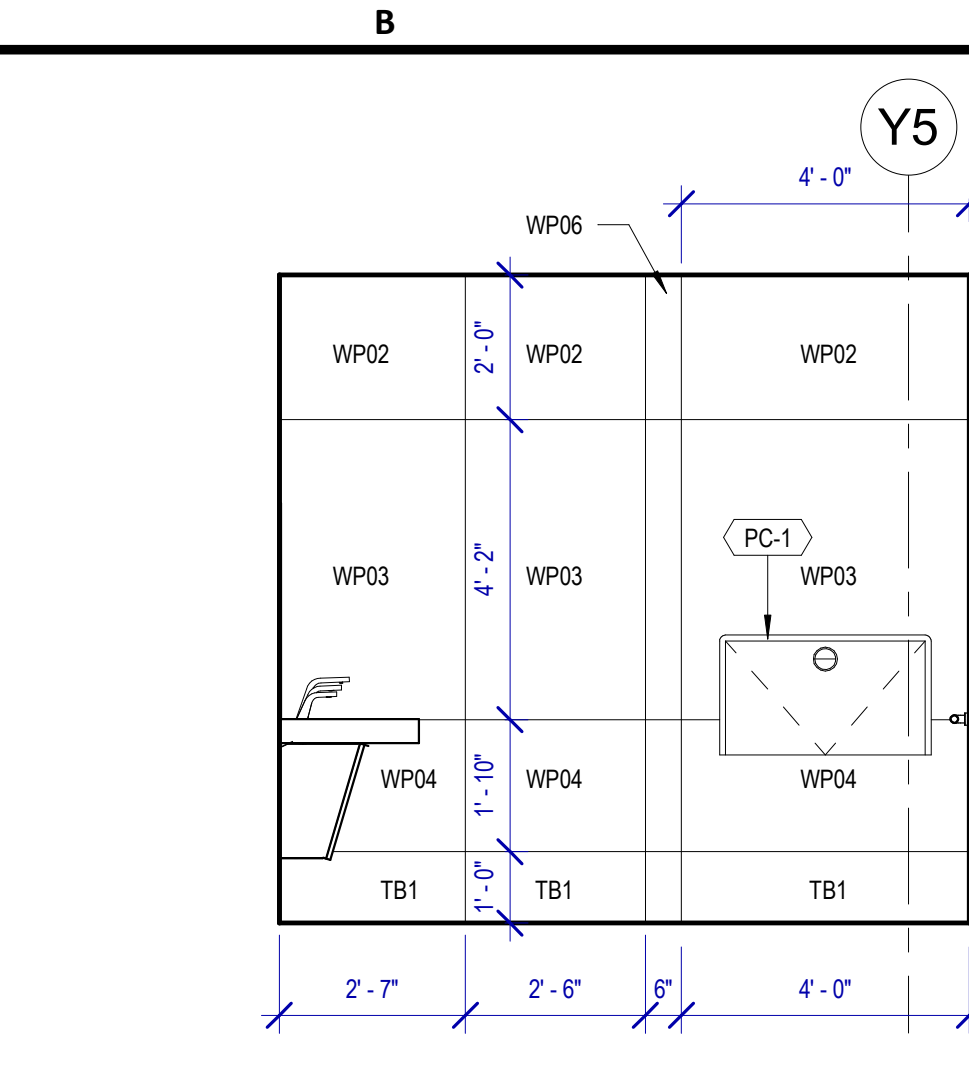
INTERIOR ELEVATIONS NOTES

- REFER TO SHEET A600 FOR FINISH LEGEND.
- AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
- 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.
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- INSTALL CEMENT BOARD FOR INSTALLATION OF NEW TILE.
- INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.

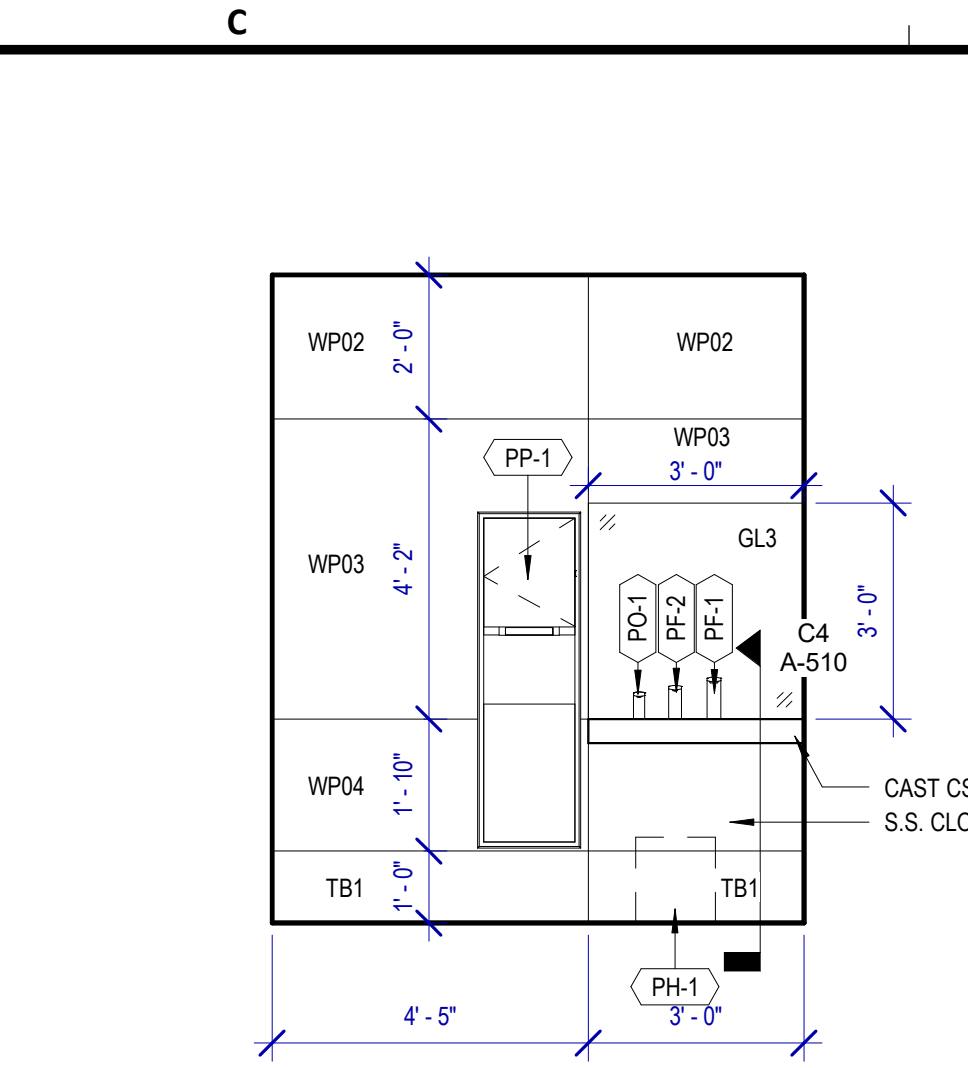
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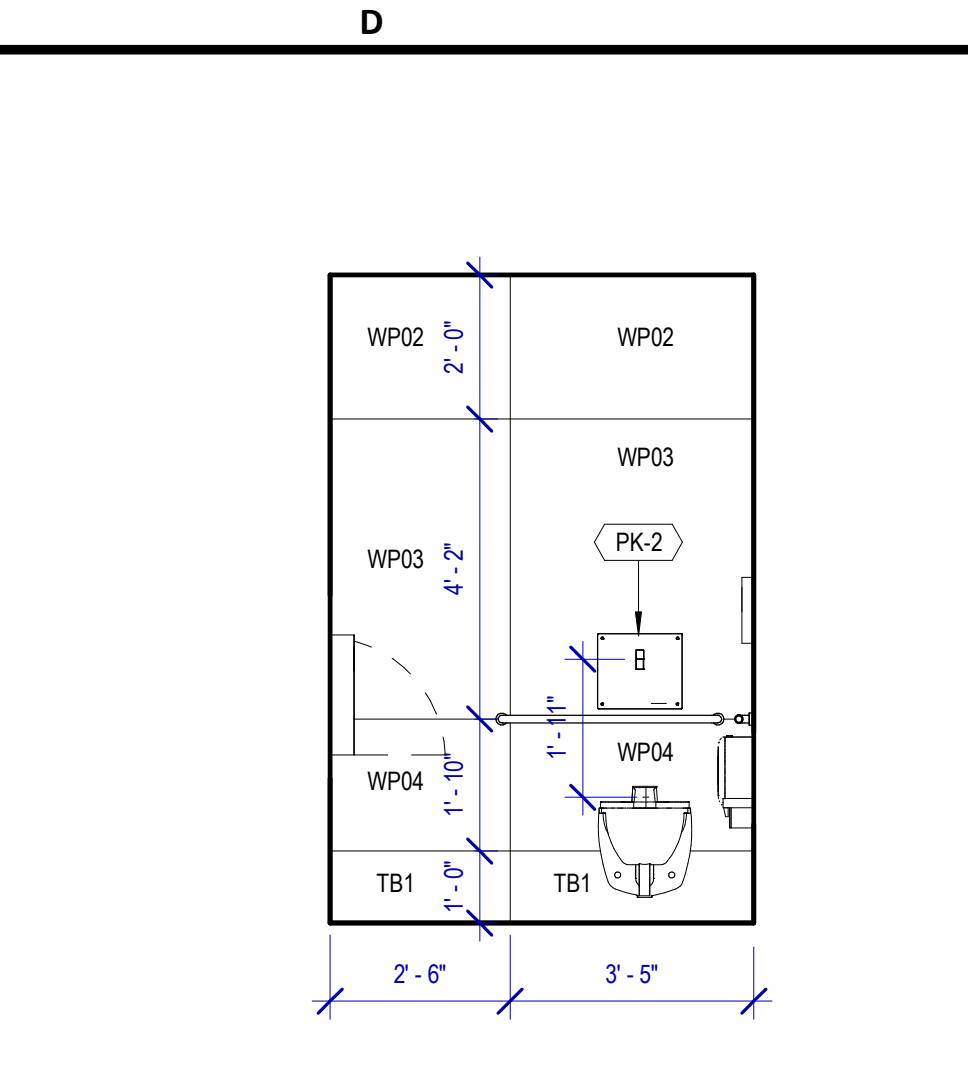
B4 ASSISTED 130 C
SCALE: 3/8" = 1'-0"



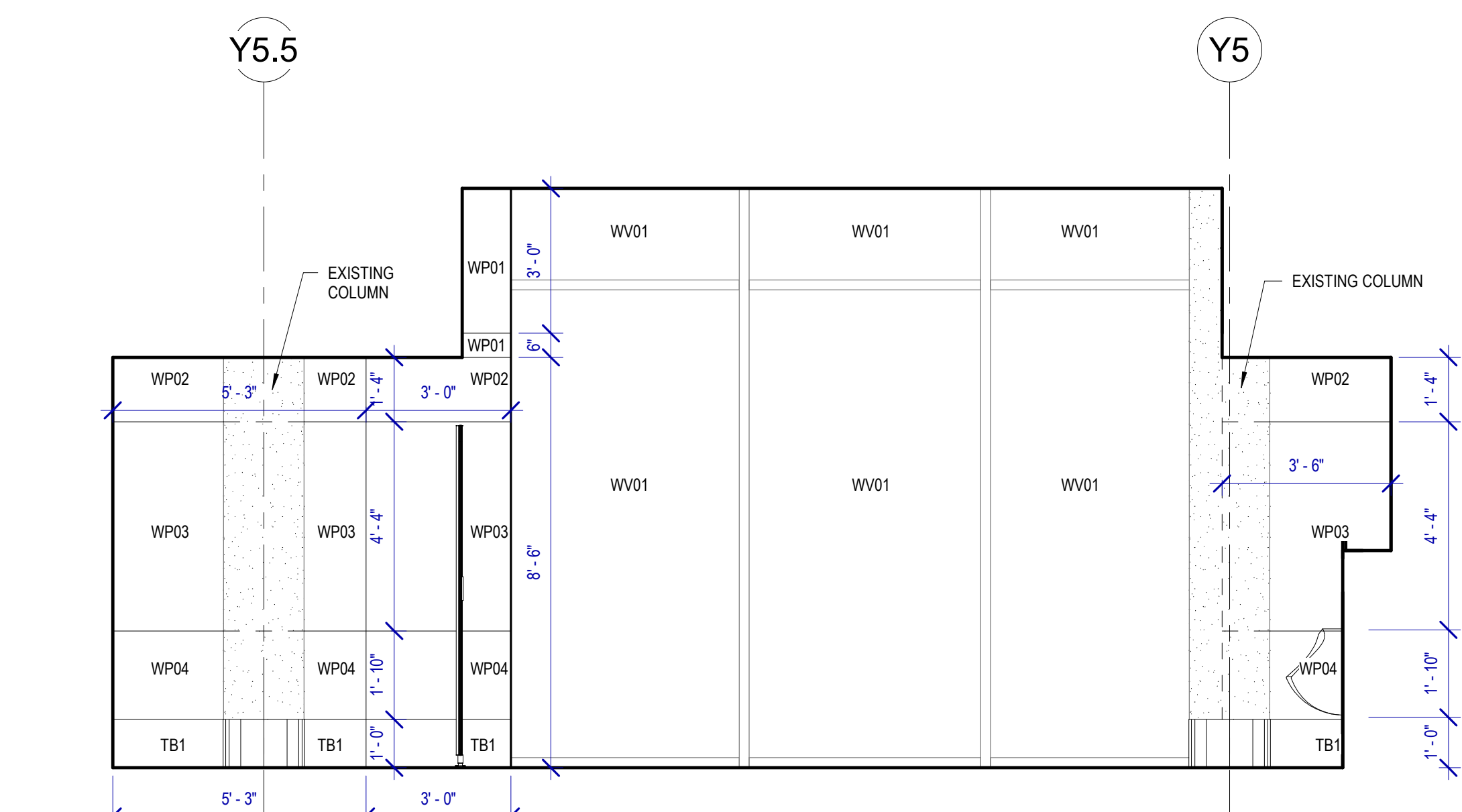
C4 ASSISTED 130 B
SCALE: 3/8" = 1'-0"



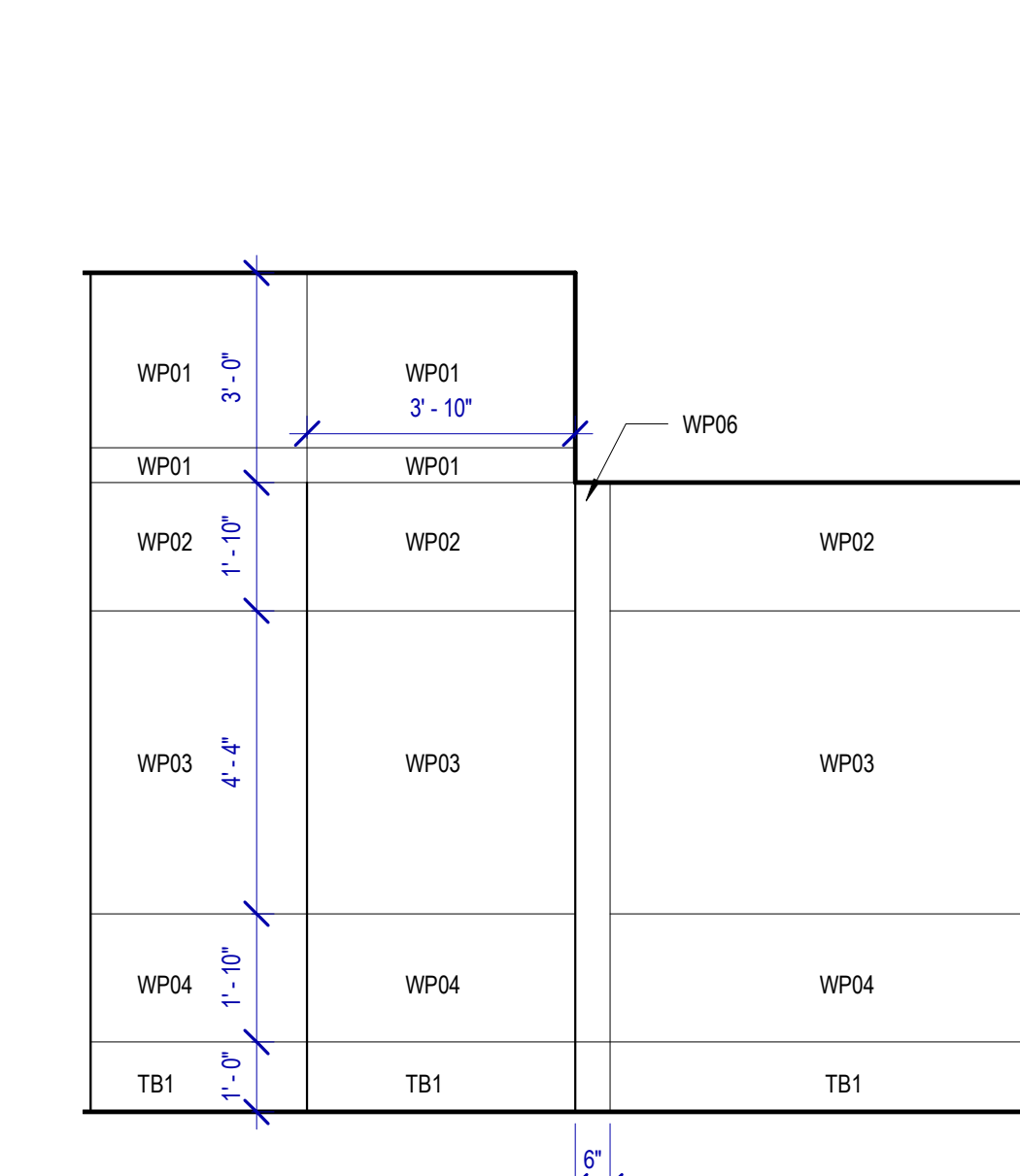
D4 ASSISTED 130 A
SCALE: 3/8" = 1'-0"



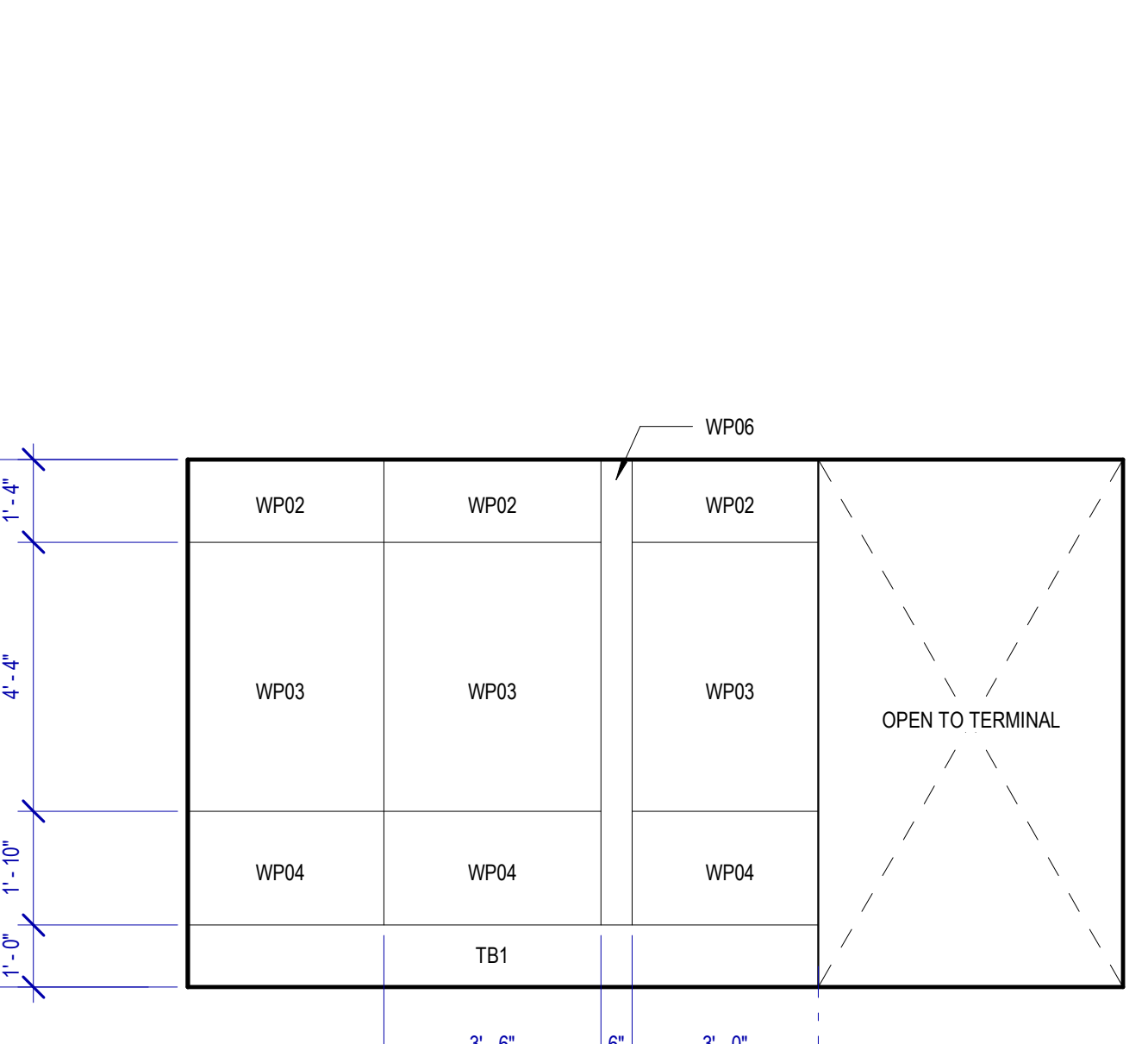
A3 MENS 129 G
SCALE: 3/8" = 1'-0"



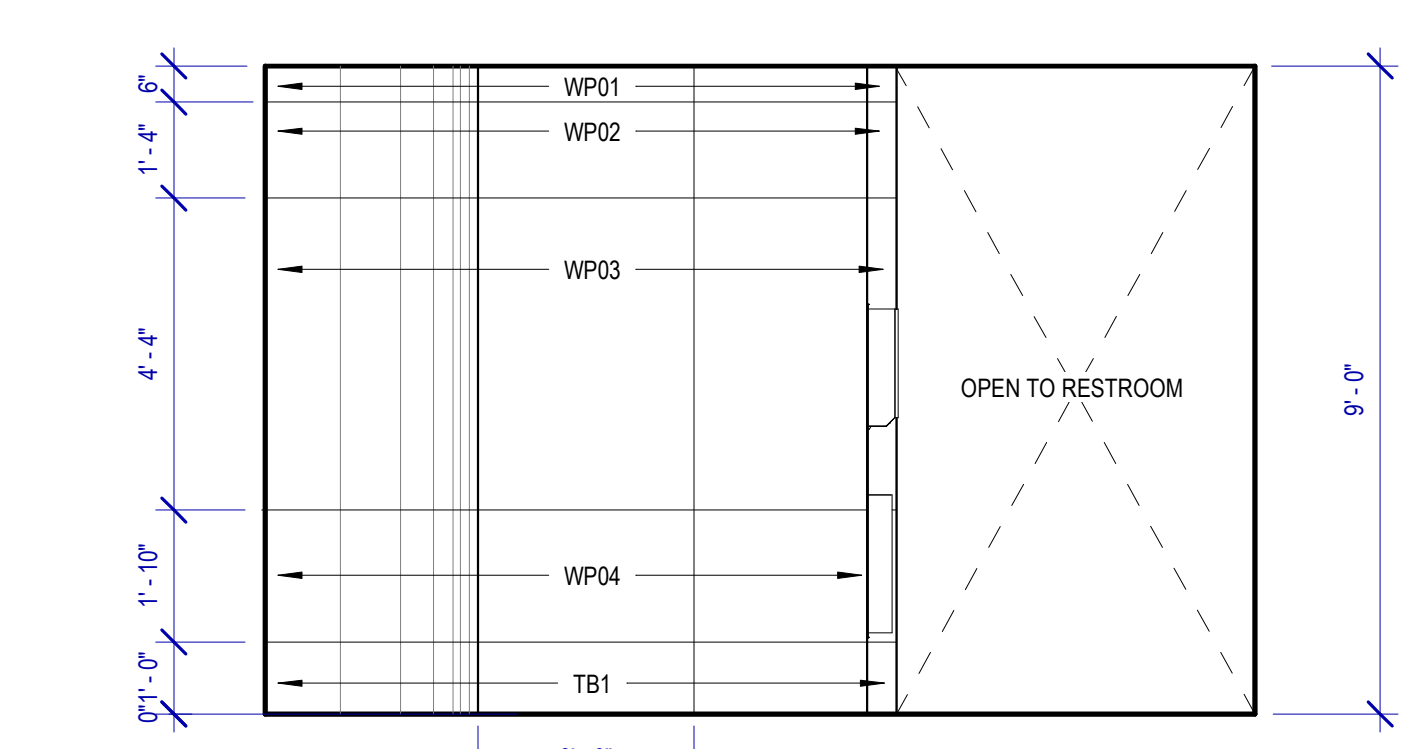
B3 MENS 129 F
SCALE: 3/8" = 1'-0"



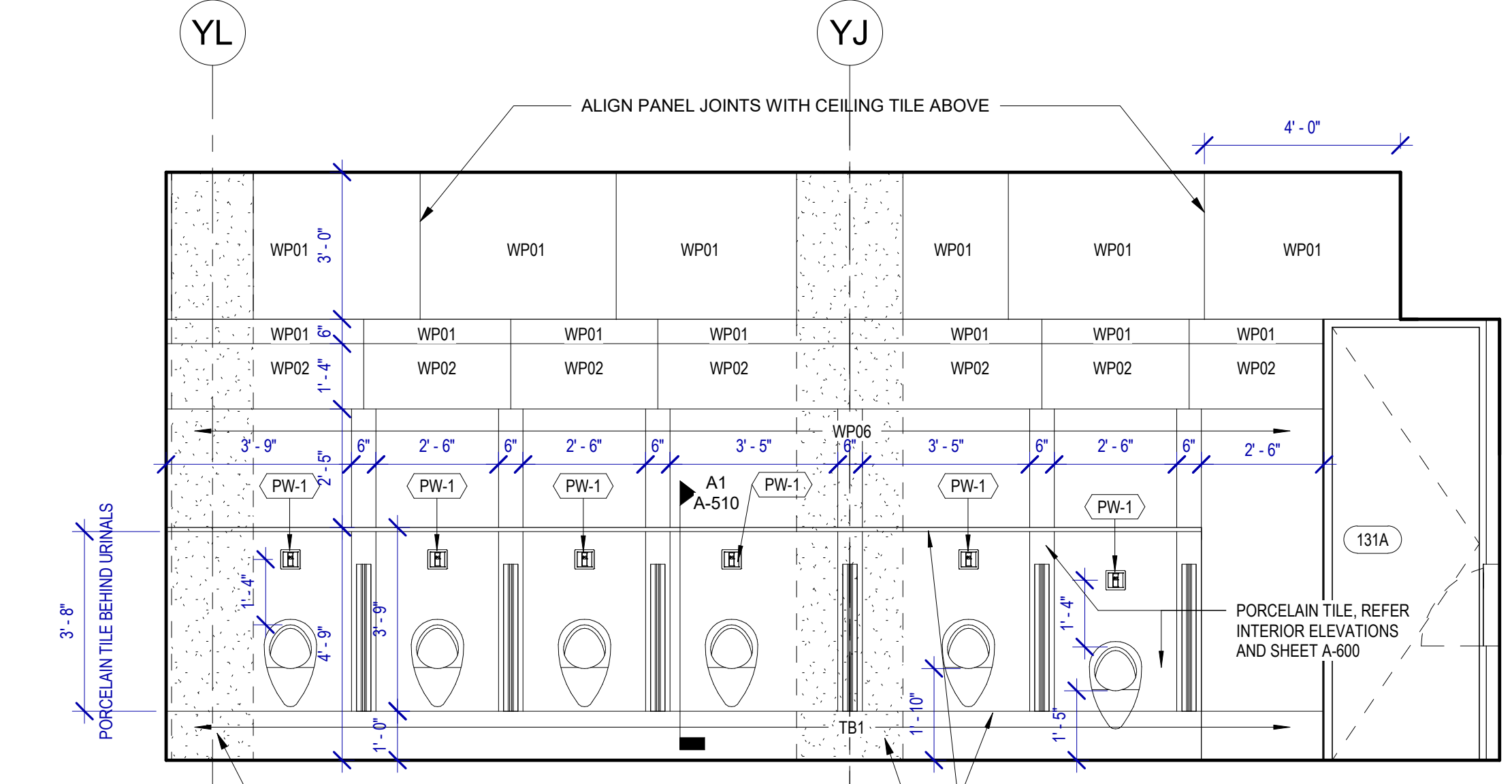
D3 MENS 129 E
SCALE: 3/8" = 1'-0"



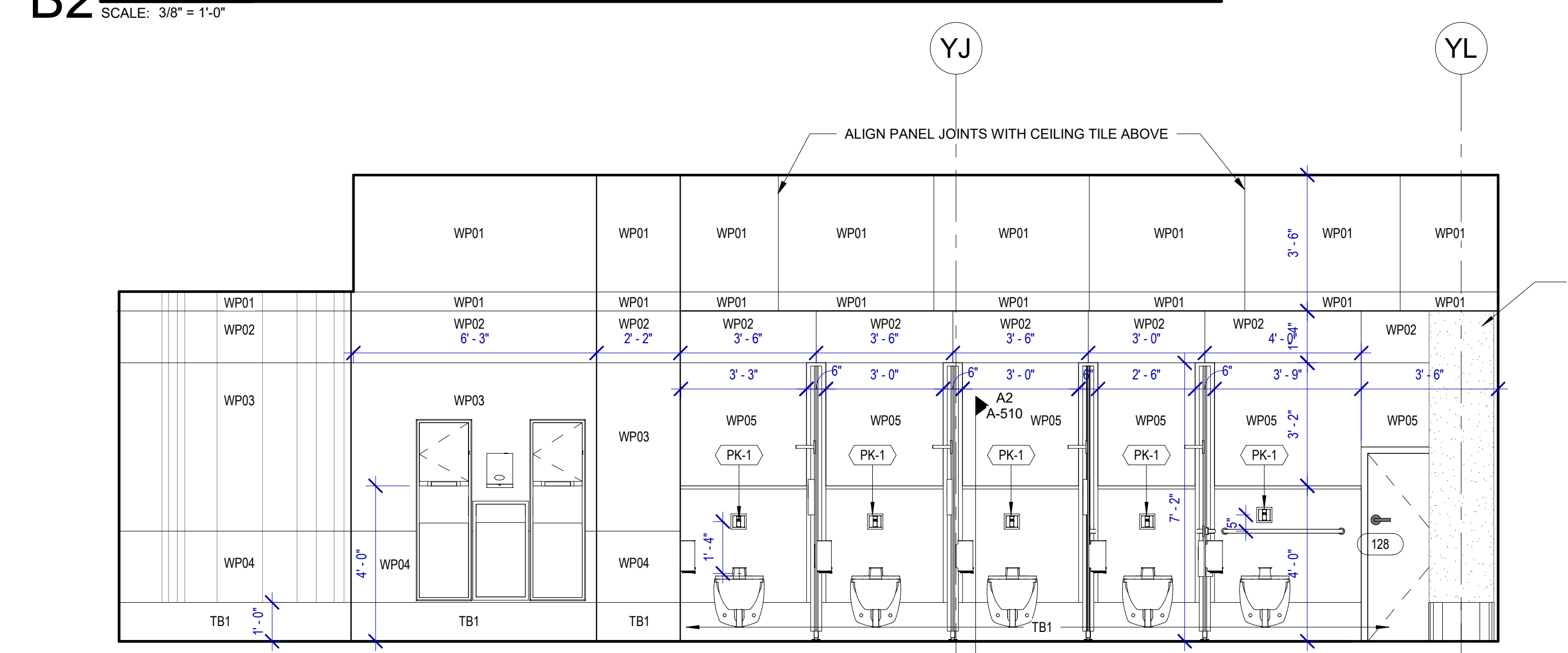
A2 MENS 129 D
SCALE: 3/8" = 1'-0"



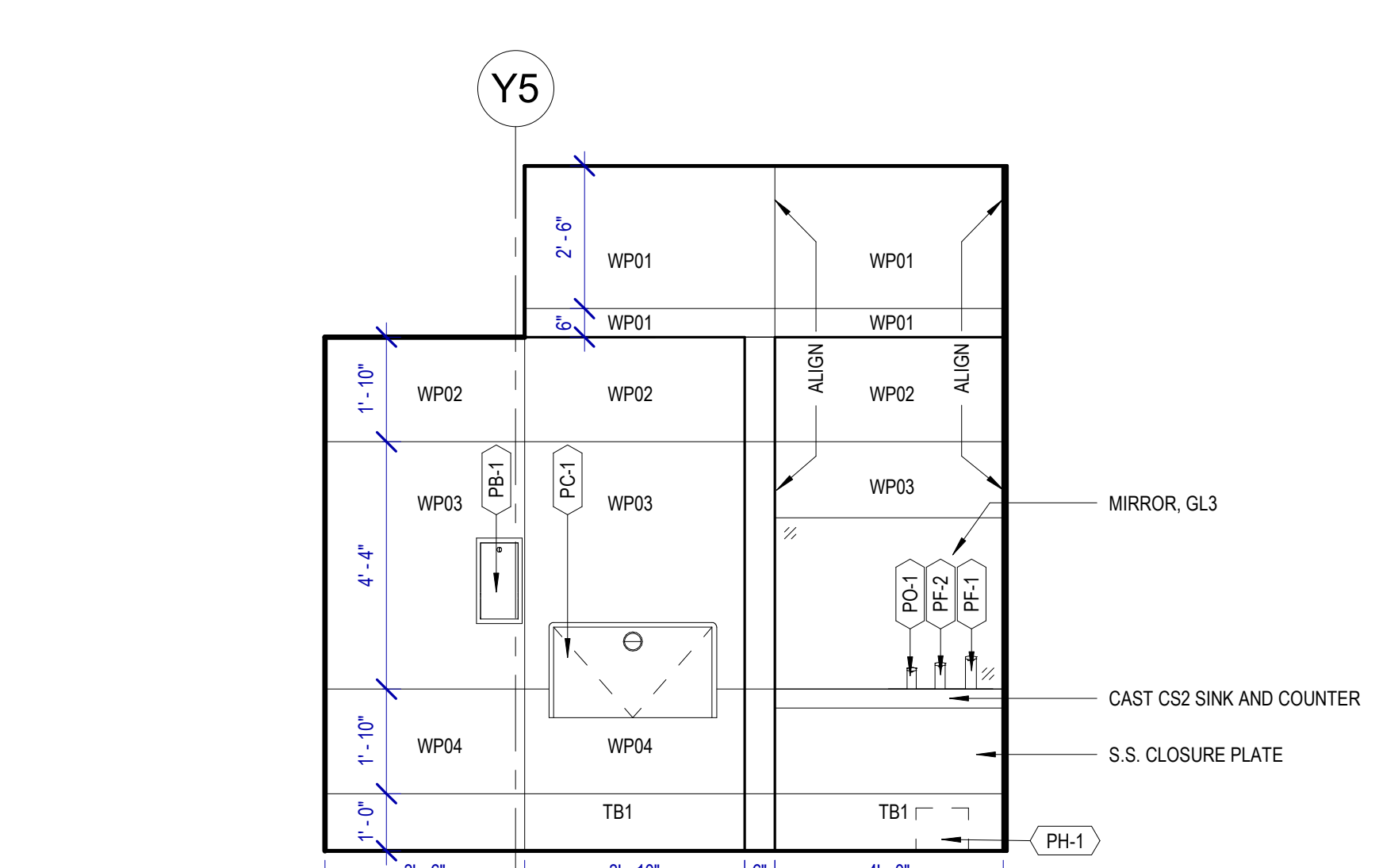
B2 MENS 129 B
SCALE: 3/8" = 1'-0"



B1 MENS 129 A
SCALE: 3/8" = 1'-0"

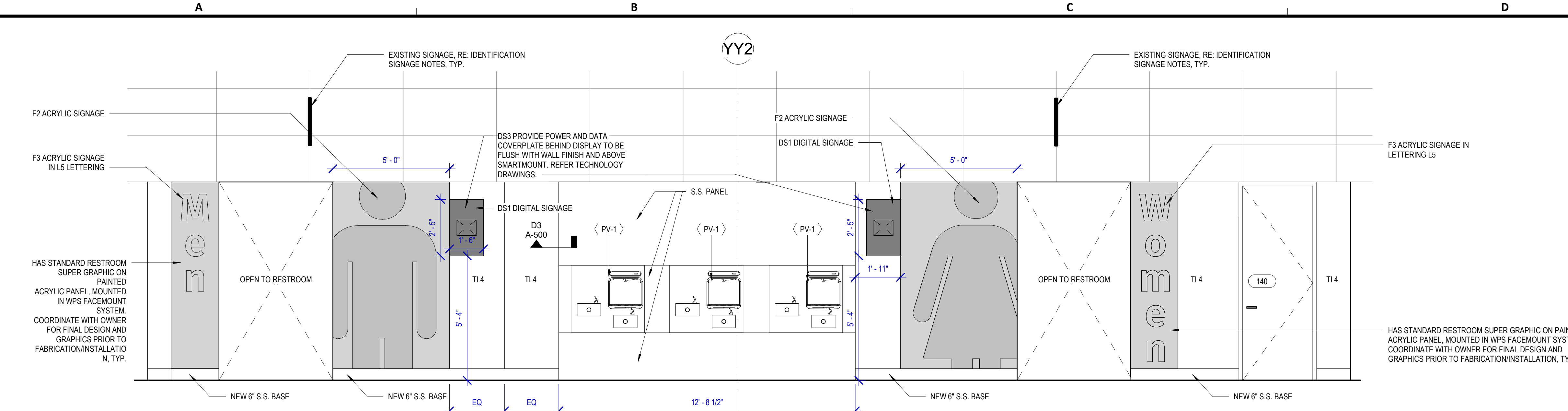


A1 MENS 129 C
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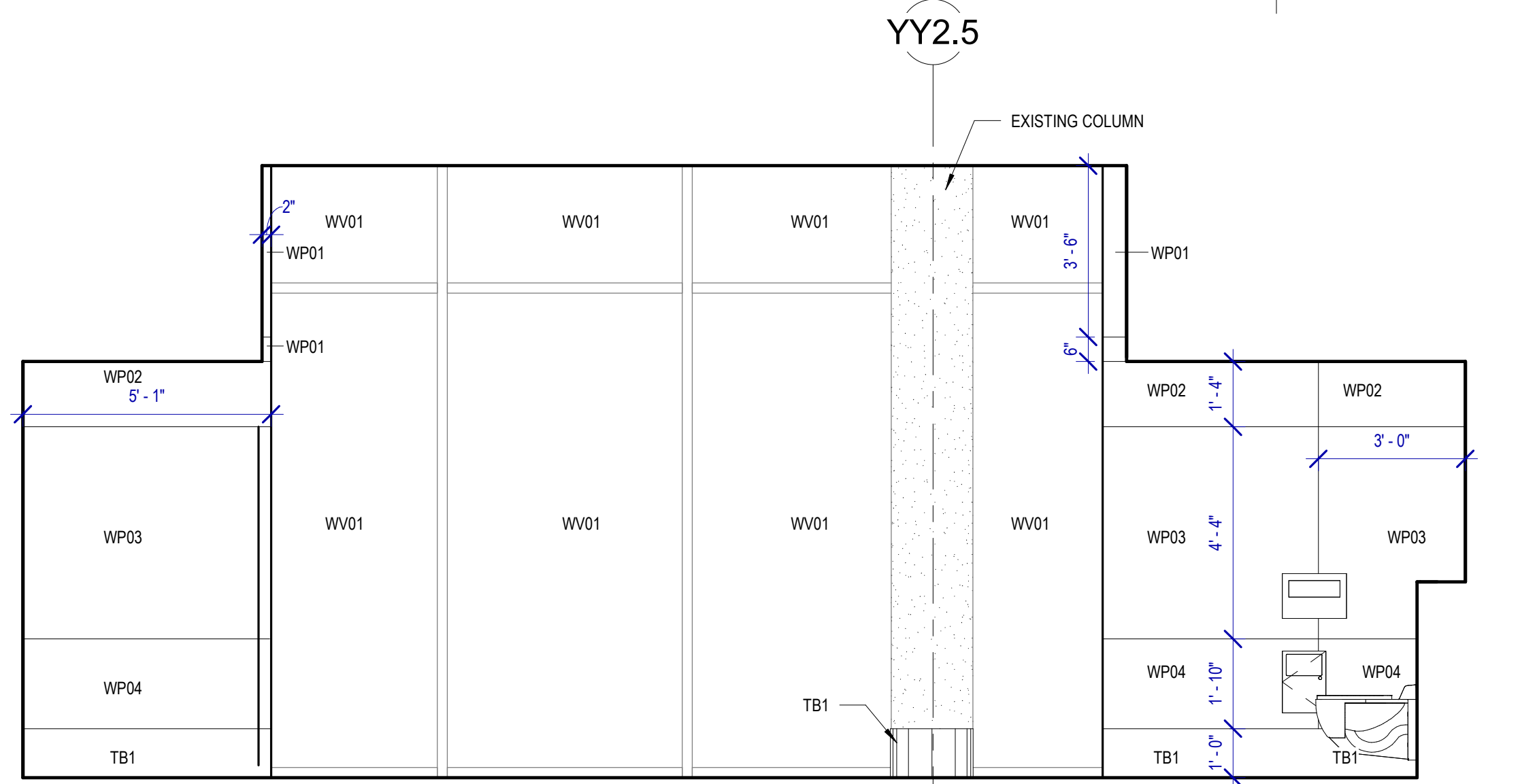


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 HAS FILE:
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 OLD DWA No.:
 DOA DWG FILE:
 PLOT DATE:

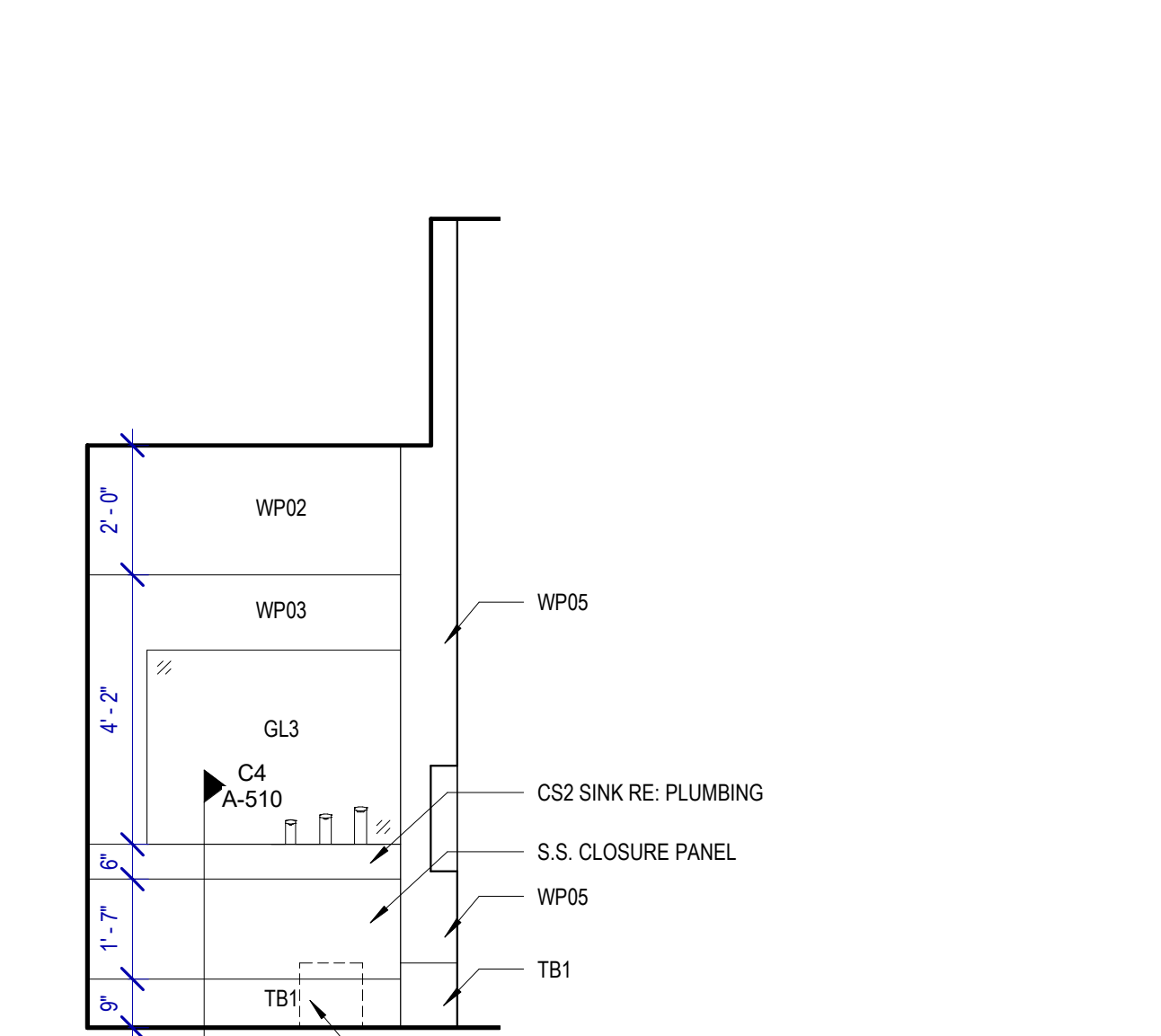
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 PLOT DATE:
 OLD DOA No. :
 DOA DWG FILE:
 PLOT DATE:



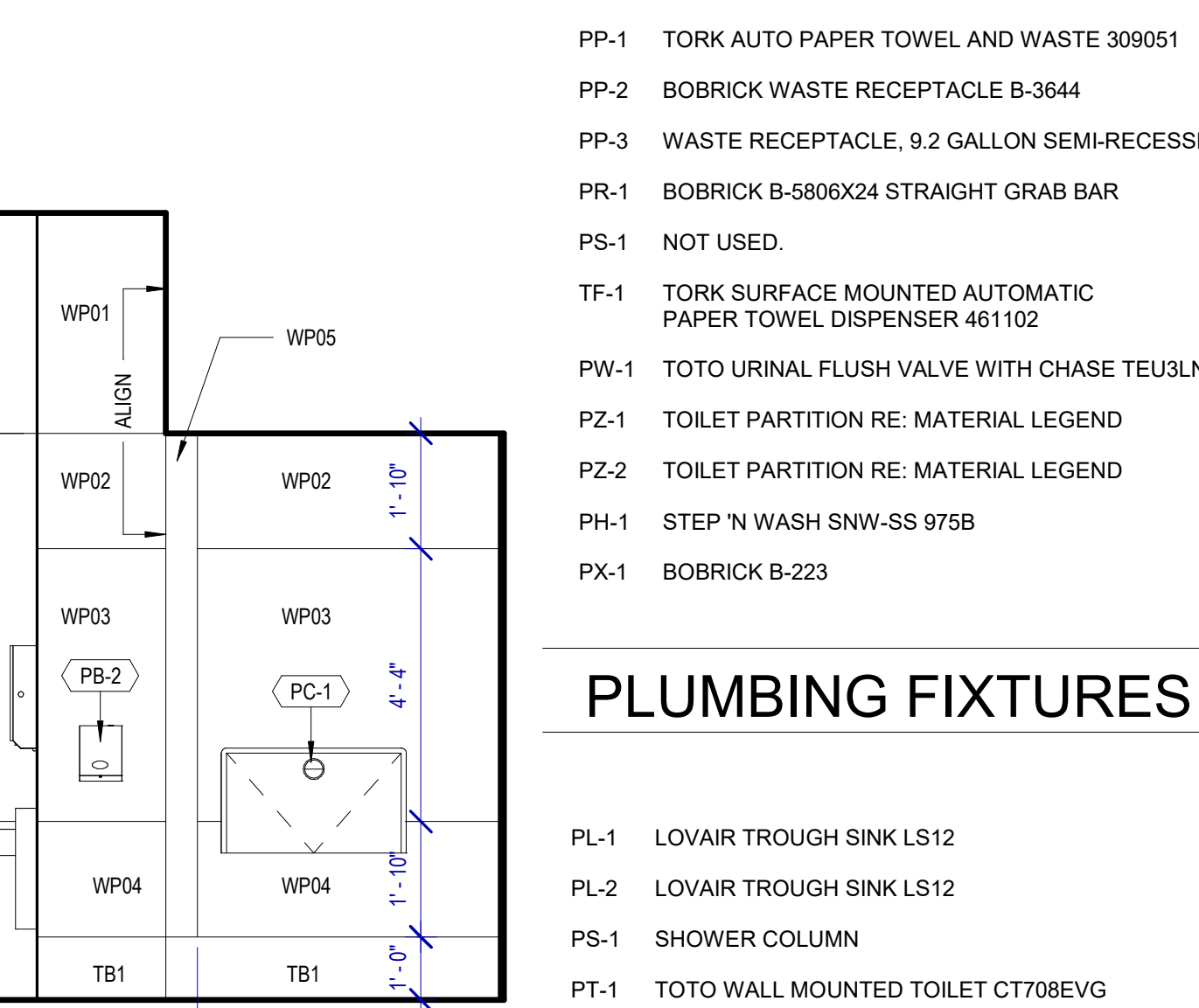
A4 RESTROOMS GATES 28-32
 SCALE: 3/8" = 1'-0"



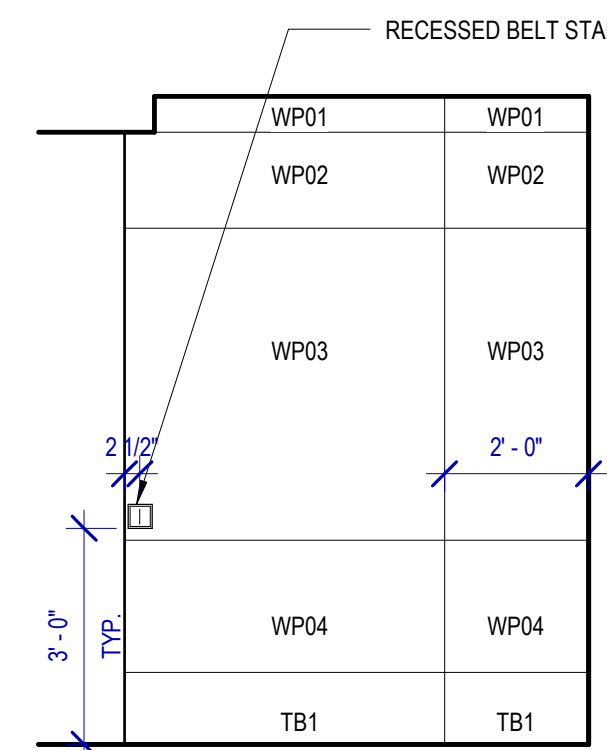
A3 WOMENS 139 B
 SCALE: 3/8" = 1'-0"



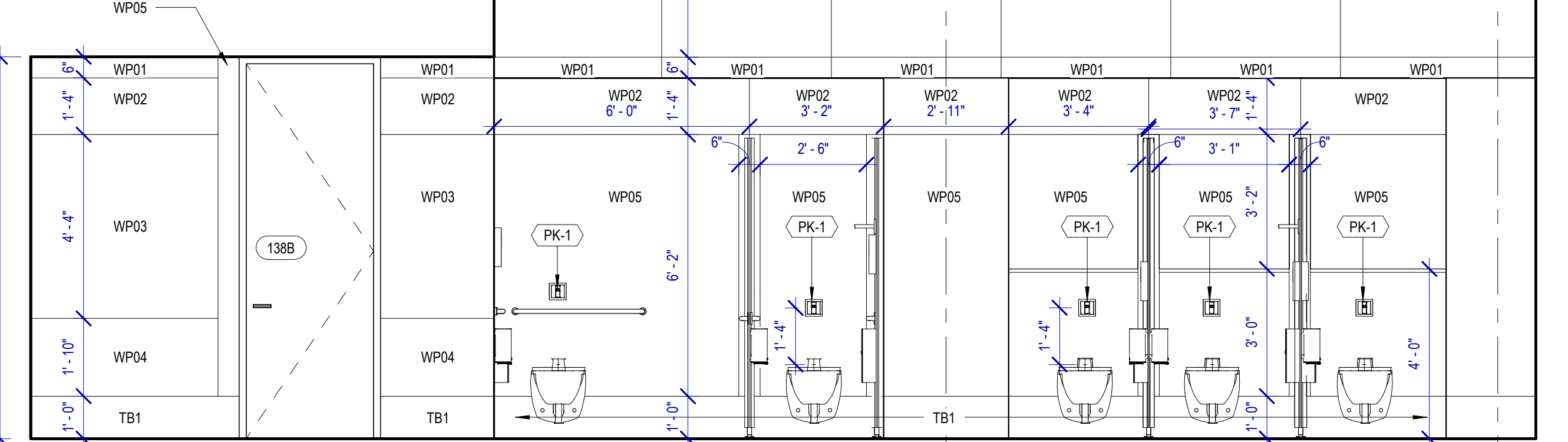
C3 WOMENS 139 G
 SCALE: 3/8" = 1'-0"



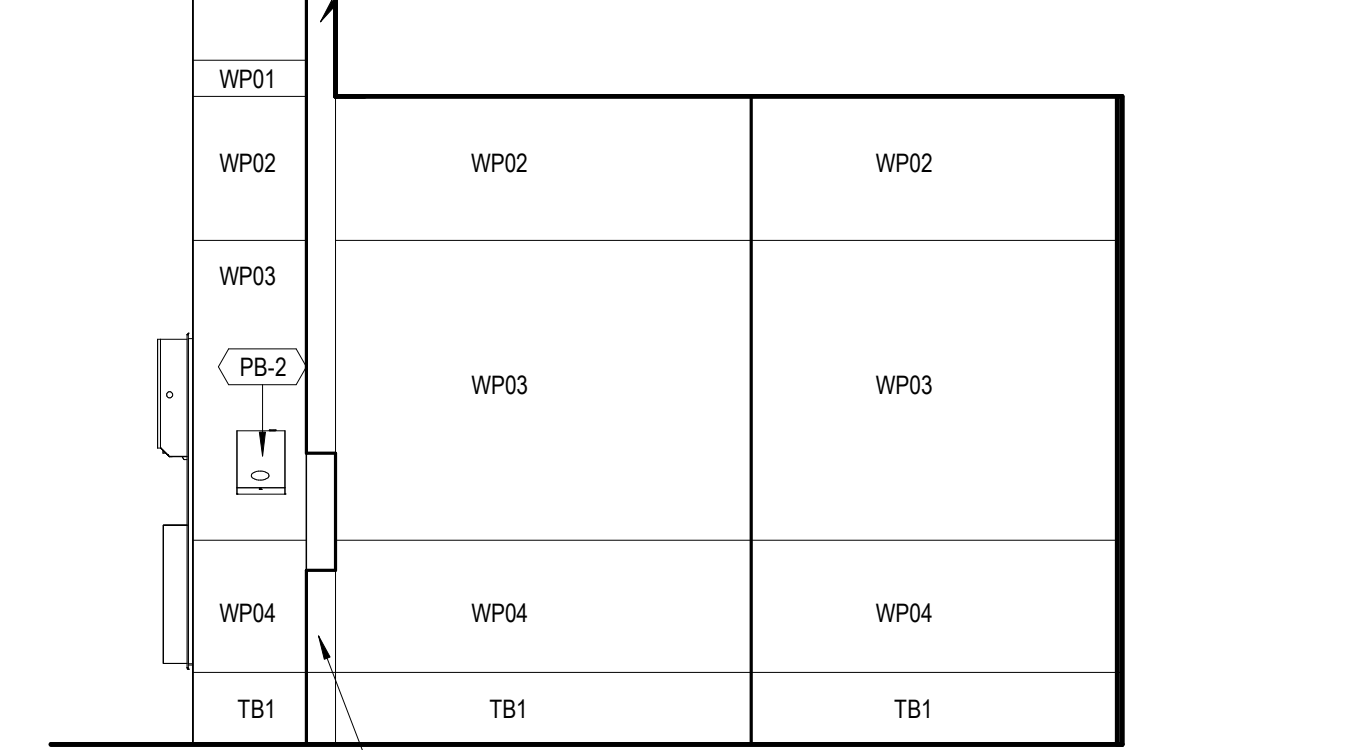
D3 WOMENS 139 H
 SCALE: 3/8" = 1'-0"



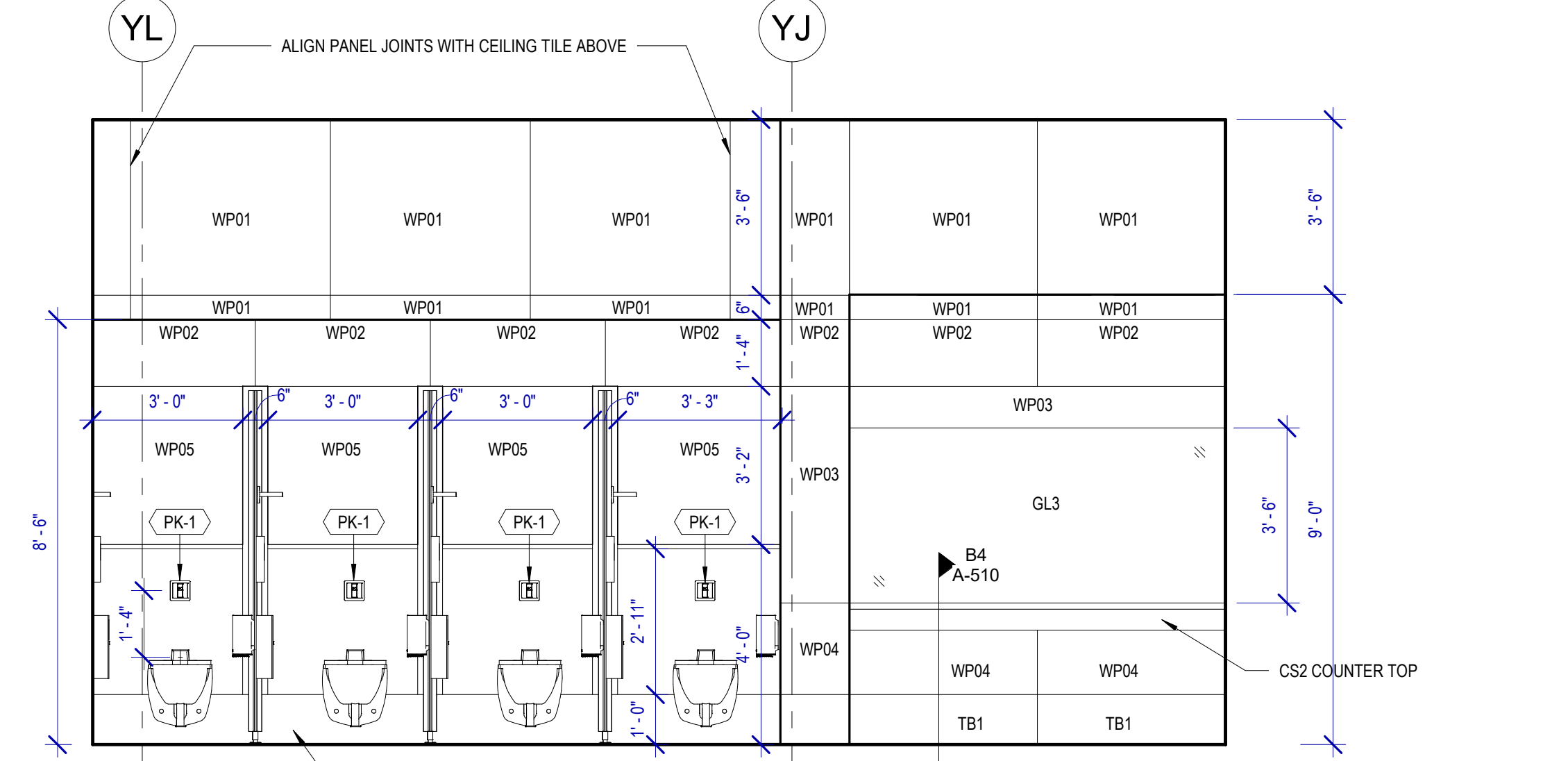
A2 WOMENS 139 C
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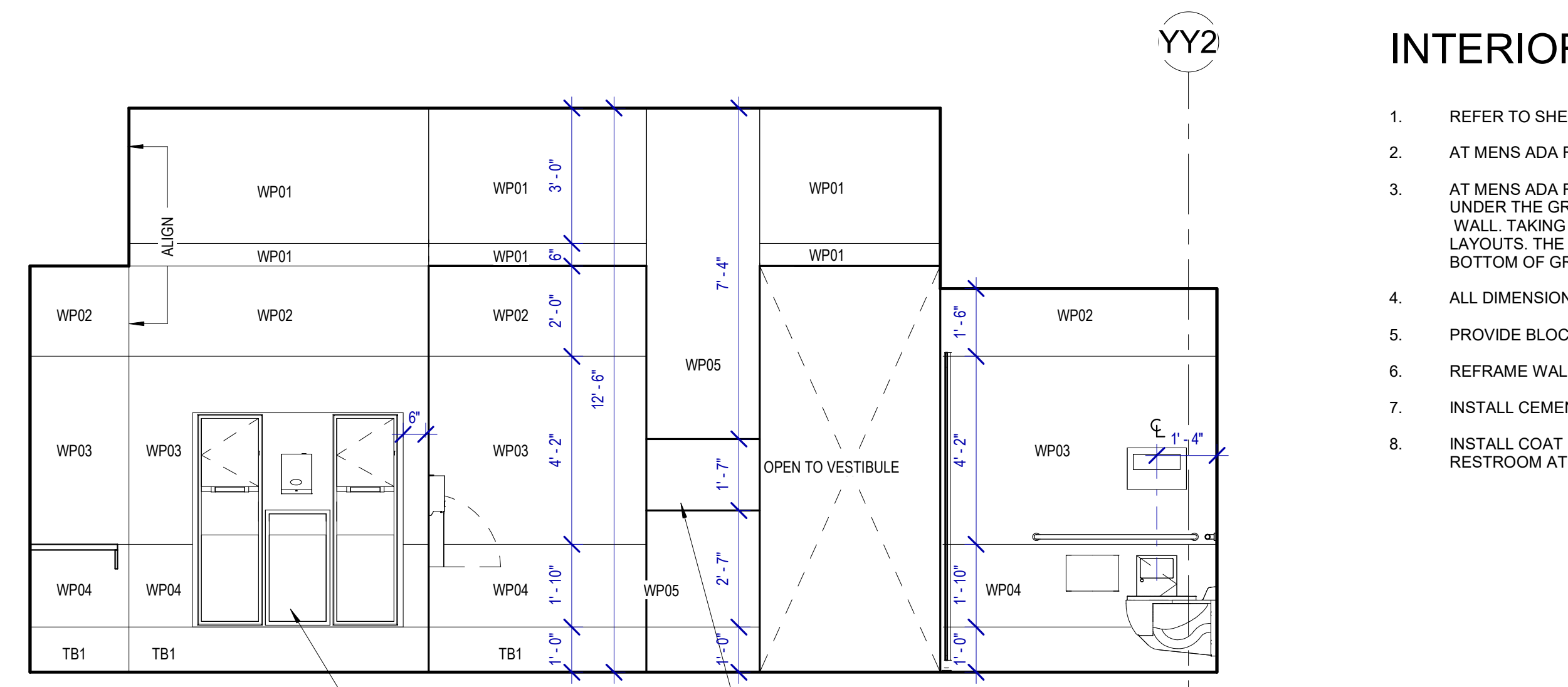
B2 WOMENS 139 A
 SCALE: 3/8" = 1'-0"



D2 WOMENS 139 F
 SCALE: 3/8" = 1'-0"



A1 WOMENS 139 C
 SCALE: 3/8" = 1'-0"



C1 WOMENS 139 D
 SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PL-3 HEIGHT ADJUSTABLE WASH BIN
- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVAIR RIBBON SOAP DISPENSER L-R011
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 909051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 WASTE RECEPTACLE 9.2 GALLON SEMI-RECESSED
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP N WASH SNW-SS 975B
- PX-1 BOBRICK B-223

PLUMBING FIXTURES

- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PJ-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PY-1 ZURN MOP SINK 1996-24

SIGNAGE

- DESIGN INTENT NOTES:**
- F1 PAINTED ACRYLIC BACKGROUND AREAS. BACKGROUND AREAS TO BE PAINTED WITH SOLID SATIN FINISH COLOR AS SHOWN.
 - F2 PAINTED ACRYLIC LETTERS. PRECISION CUT AND PAINT. LETTERS WITH SATIN COLOR TO MATCH AS SHOWN. KERNING (SPACE BETWEEN LETTERS) TO MATCH AS SHOWN (I.E. STANDARD FONT MAKER'S KERNING SETTING). APPLIED TO FINISH FACE OF F1.
 - F3 PAINTED ACRYLIC LETTERS. PRECISION CUT AND PAINT. LETTERS WITH SATIN COLOR TO MATCH AS SHOWN. KERNING (SPACE BETWEEN LETTERS) TO MATCH AS SHOWN (I.E. STANDARD FONT MAKER'S KERNING SETTING). APPLIED TO FINISH FACE OF F1.
- ADDITIONAL NOTES:**
1. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY ALL INSTALLATION CONDITIONS AT EACH LOCATION AND DETERMINE THE APPROPRIATE FABRICATION/INSTALLATION METHODS AND MATERIALS TO BE USED AS CONDITIONS REQUIRE (TO BE COORDINATED WITH AND APPROVED BY HAS PRIOR TO FABRICATION AND INSTALLATION).
 2. INSTALLATION: FABRICATOR TO COORDINATE INSTALLATION OF ACRYLIC PANELS WITH WALL PANEL SYSTEMS, FACEMOUNT SYSTEM AND MOUNTING REQUIREMENTS PRIOR TO FABRICATION/MOCK-UP OF ACRYLIC PANELS IN INSTALLATION SYSTEM TO BE APPROVED BY HAS PRIOR TO FABRICATION AND INSTALLATION.
- LETTERING (TYPEFACES/SYMBOLS/ARROWS):**
- L5 PEDESTRIAN WAYFINDING TYPEFACE: CLEARVIEW TEXT 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 (ART CAN BE EXTRACTED FROM DIGITAL VERSION OF THIS DRAWING)

- 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: PMS 433C
 - D7.2 MED. GRAY: PMS 431C
 - D17 C BLUE: PMS 300C
 - D23 TRAIN YELLOW: PMS 3965C
 - D6 MED. DARK GRAY: PMS 432C
 - D18 C WATERMARK: PMS 294C
 - D24 TRAIN WATERMARK: PMS 3975C

- DIGITAL SIGNAGE:**
- DS1 SMART RESTROOM DIGITAL SIGNAGE: 32" DISPLAY. REFER TO ELECTRICAL AND TELECOM DRAWINGS.
 - DS3 PROVIDE POWER OUTLET AND DATA OUTLETS. REFER TO ELECTRICAL AND TELECOM DRAWINGS.
- IDENTIFICATION SIGNAGE:**
1. EXISTING ROOM IDENTIFICATION AND WAYFINDING SIGNAGE TO BE SALVAGED PRIOR TO CONSTRUCTION FOR REINSTALLATION. INCLUDING, BUT NOT LIMITED TO: ROOM SIGNS AND BLADEFIN SIGNS. ALL EXISTING SIGNAGE REMOVED TO BE REVIEWED BY HAS AND THE WAYFINDING DESIGN CONSULTANTS FOR ANY CHANGES OR UPDATES MADE TO THE HAS STANDARDS AND GRAPHICS.
 2. NEW SIGNAGE REQUIRED PER OWNER TO BE COORDINATED BY THE CONTRACTOR. ALL FINAL DETAILING AND SPECIFICATIONS TO BE PROVIDED BY THE CONTRACTOR/FABRICATOR/INSTALLER WITHIN THEIR FINAL APPROVED FABRICATION-READY SHOP DRAWINGS.
 3. INSTALLATION OF EXISTING AND NEW SIGNAGE TO BE PER ALL APPLICABLE CODES, TDLR/ADA STANDARDS, AND HAS STANDARDS.

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 TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.

HOUSTON AIRPORTS

7800 Airport Blvd
 Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. **PN209A** A.I.P. No.
 C.O.H. No. D.O.A. 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
 2603 Augusta, Suite 800 Houston, Texas 77057
 713.430.5800 713.430.5888 fax
 www.hendersonrogers.com

DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 03.22.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

DIRECTOR of HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING

REGISTERED ARCHITECT DANIEL ORTIZ STATE OF TEXAS 03.22.22

SHEET NAME: INTERIOR ELEVATIONS GATES 28-32
 SHEET No. A-427 SCALE: As indicated
 SHEET SIZE: 30"x42" ARCH E1

TOILET ACCESSORIES

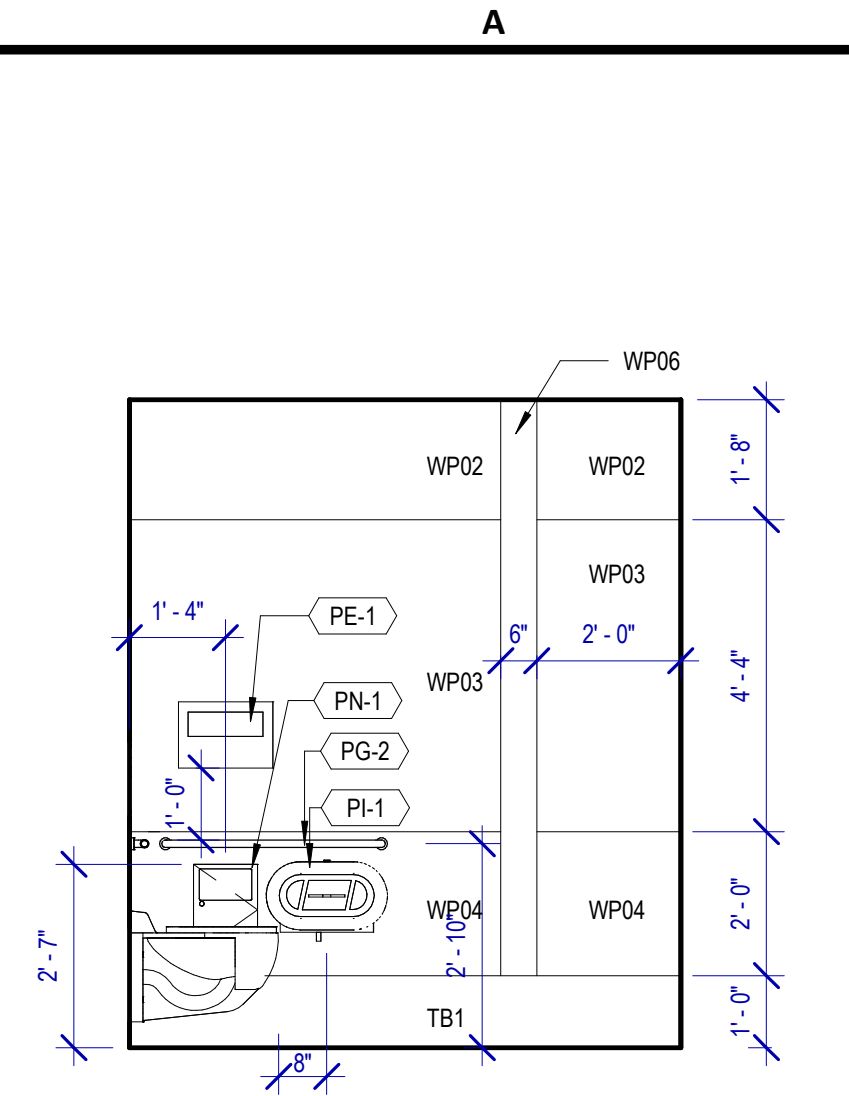
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 TORK HAND SANITIZER 466100
- PC-1 KOALA CARE BABY CHANGING STATION KB110-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BRADLEY WASTE RECEPTACLE 315-35
- PC-4 NOT USED.
- PC-5 NOT USED.
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 LOVAIR RIBBON HAND DRYER L-R031
- PF-2 LOVAIR RIBBON TAP L-R021
- 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 CARVART COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET2LN
- PL-3 HEIGHT ADJUSTABLE WASH BIN
- PM-2 CARVART FLOATING MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PO-1 LOVATIR RIBBON SOAP DISPENSER L-R011
- 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
- PS-1 NOT USED.
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461102
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PH-1 STEP 'N WASH SNW-SS 975B
- PX-1 BOBRICK B-223

PLUMBING FIXTURES

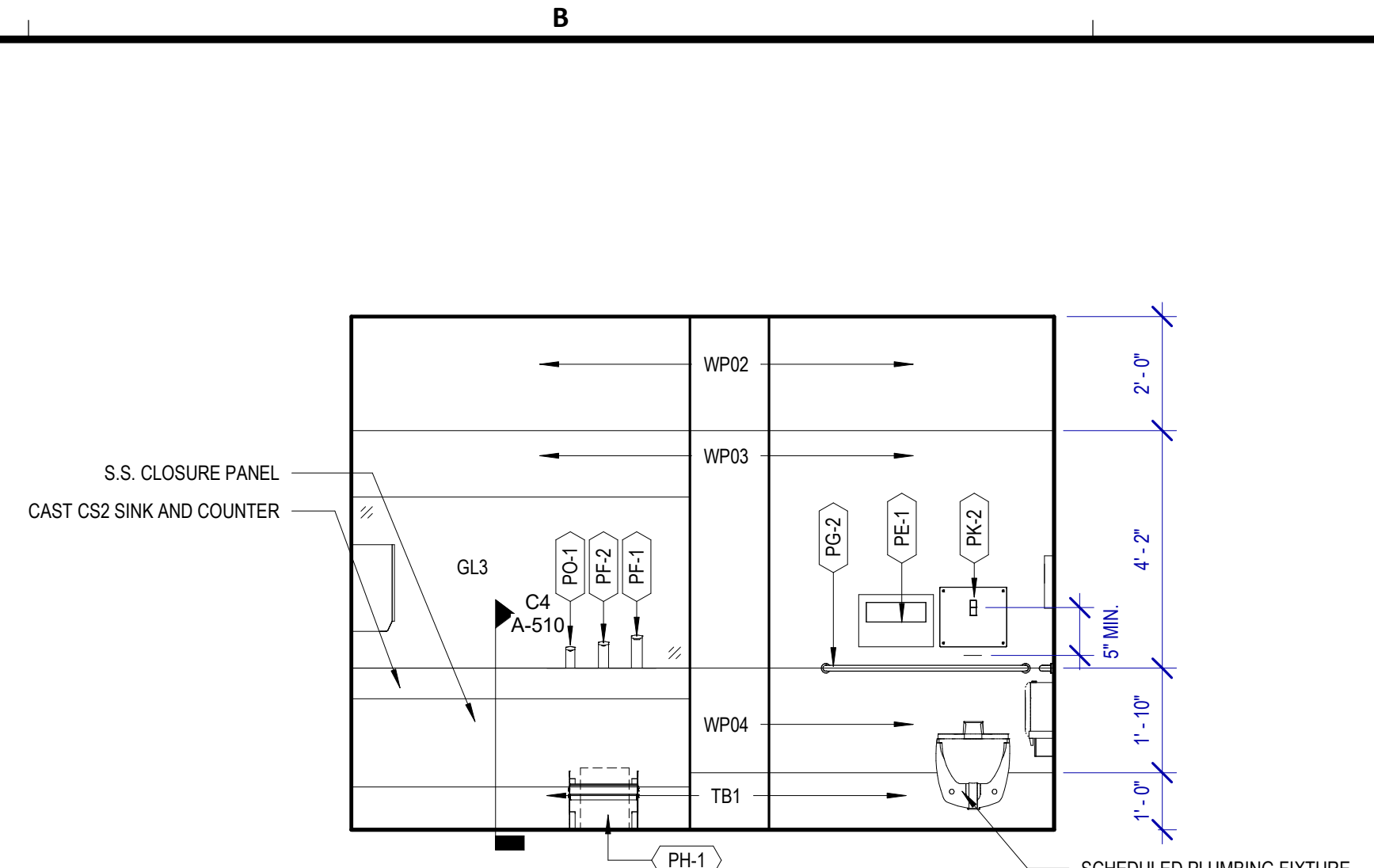
- PL-1 LOVAIR TROUGH SINK LS12
- PL-2 LOVAIR TROUGH SINK LS12
- PS-1 SHOWER COLUMN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PY-1 ZURN MOP SINK 1996-24

INTERIOR ELEVATIONS NOTES

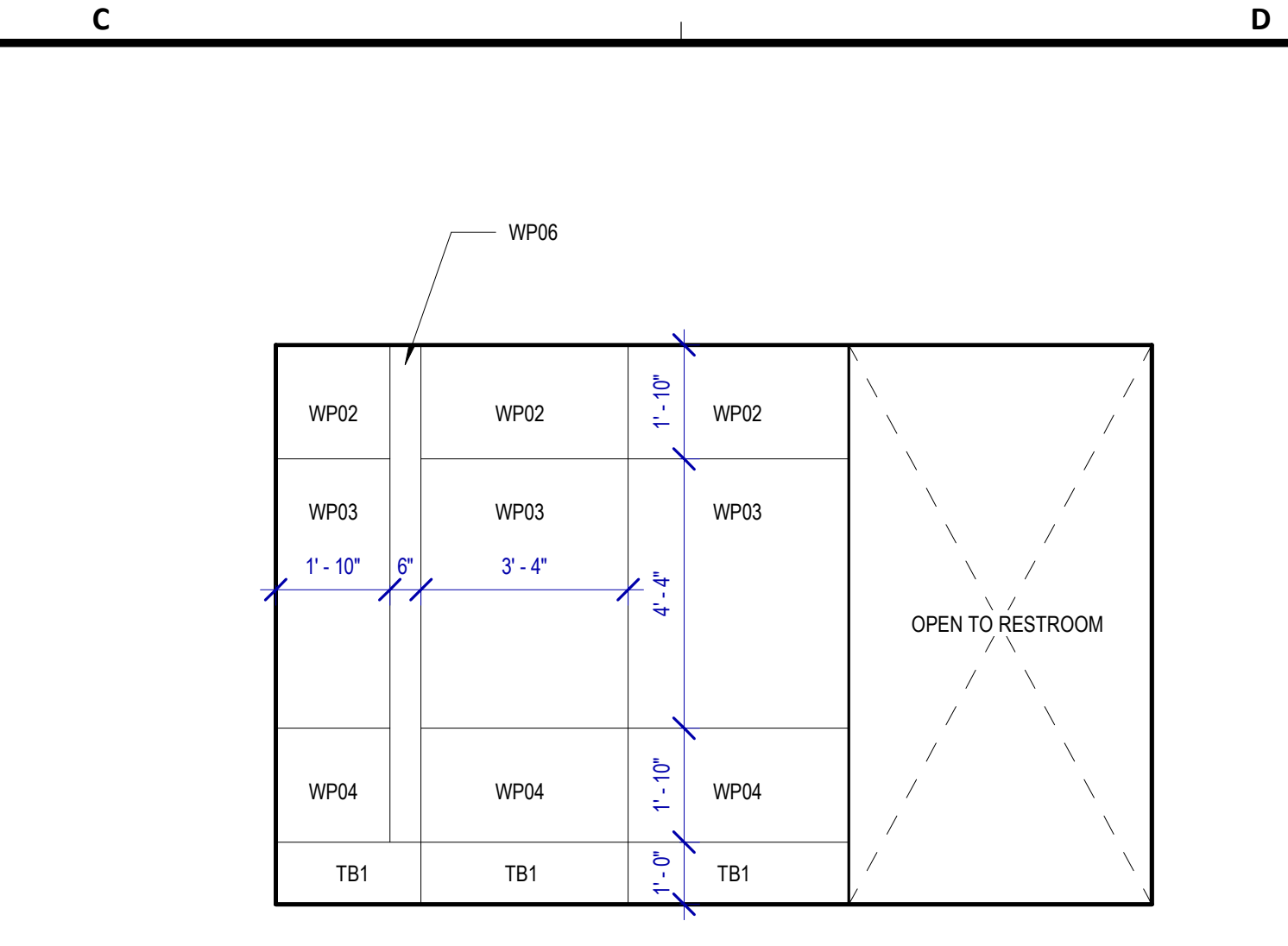
1. REFER TO SHEET A600 FOR FINISH LEGEND.
2. AT MENS ADA RESTROOMS: DO NOT INSTALL SANITARY NAPKIN DISPOSAL.
3. AT MENS ADA RESTROOM: THE TOILET SEAT COVER DISPENSER SHALL BE PLACED UNDER THE GRAB BAR, NEXT TO TOILET ISSUE DISPENSER AND CLOSEST TO BACK WALL, TAKING THE PLACE OF SANITARY NAPKIN DISPOSAL 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 TILE.
8. INSTALL COAT HOOKS IN AMBULATORY AND ADA STALLS AT 4FT. IN ANY OTHER RESTROOM AT 5FT.



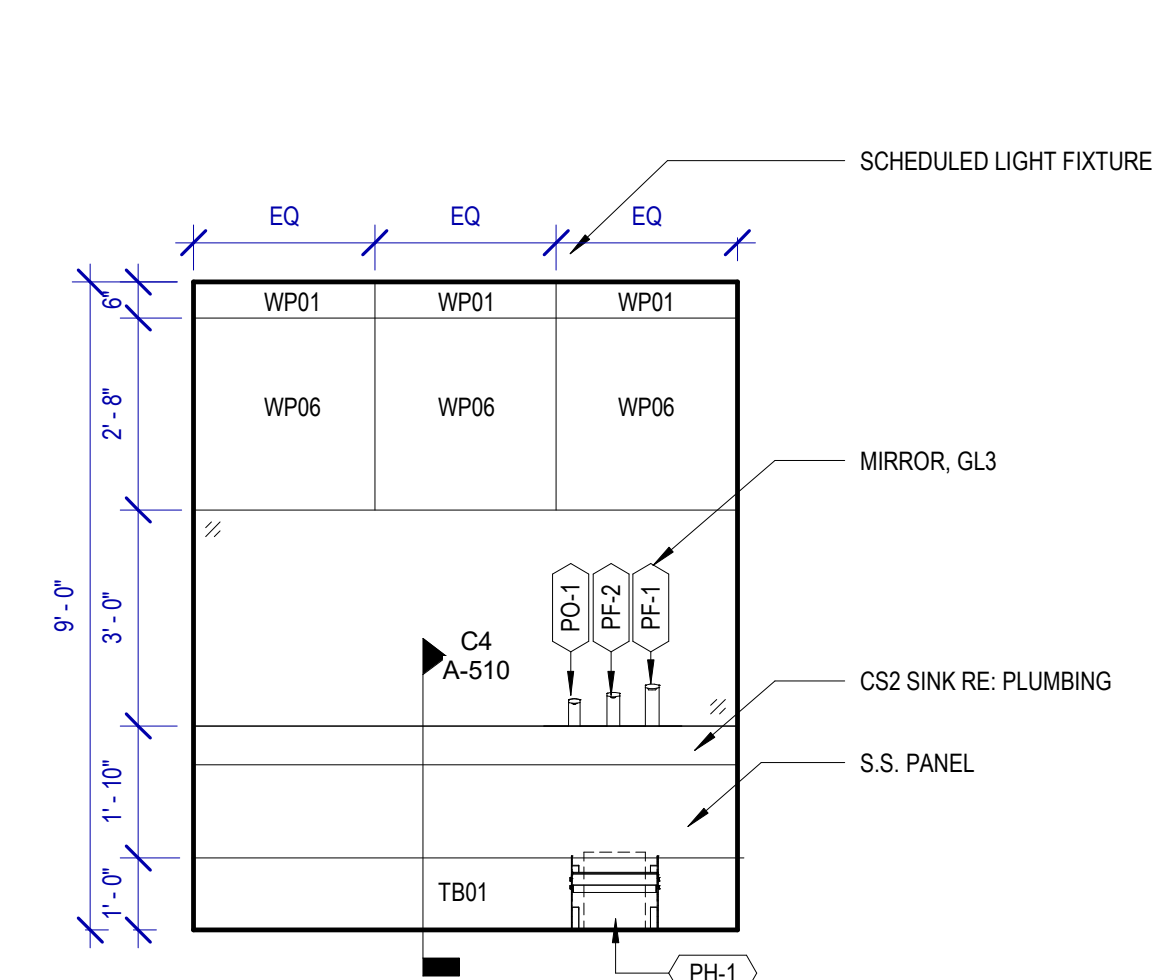
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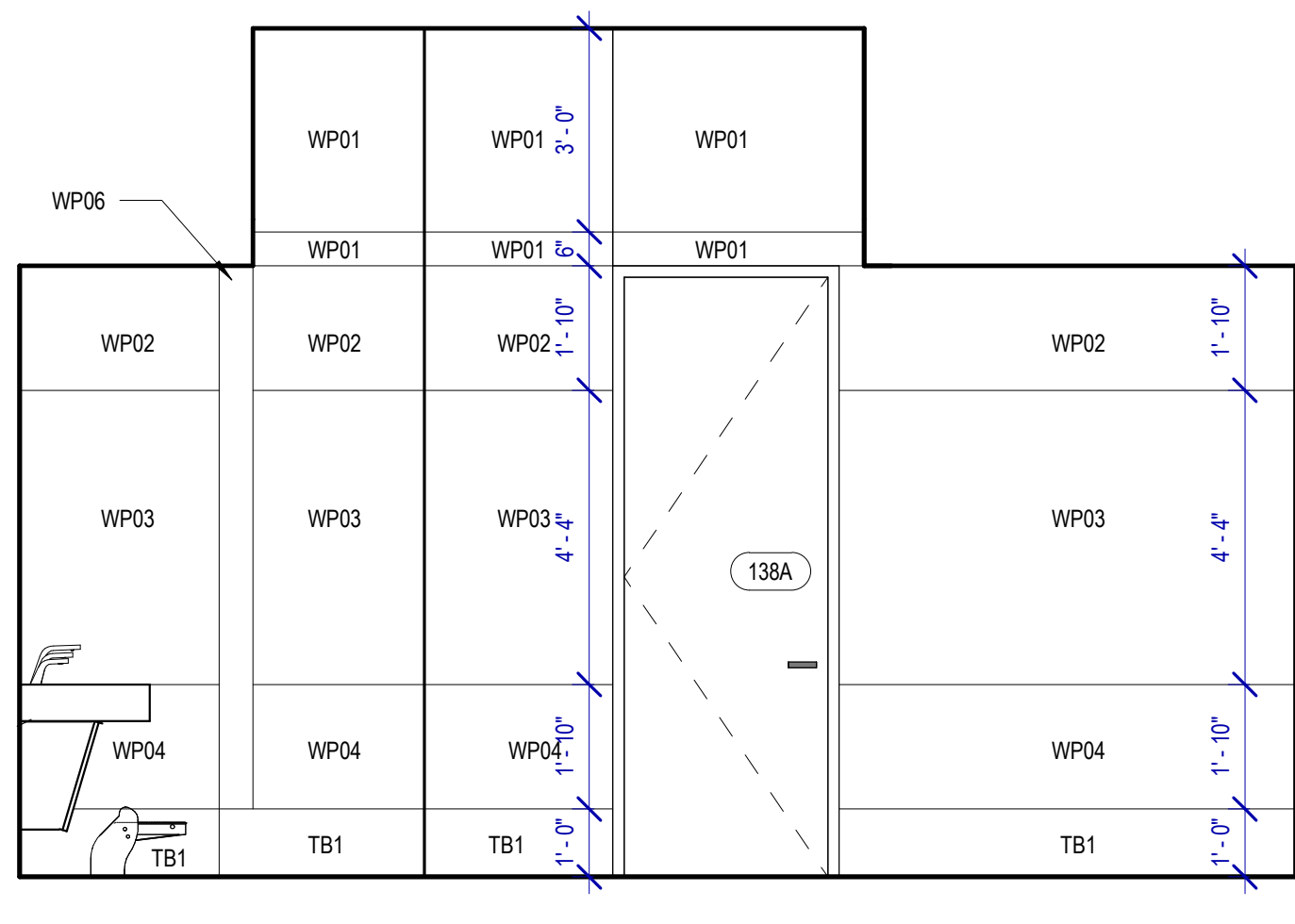
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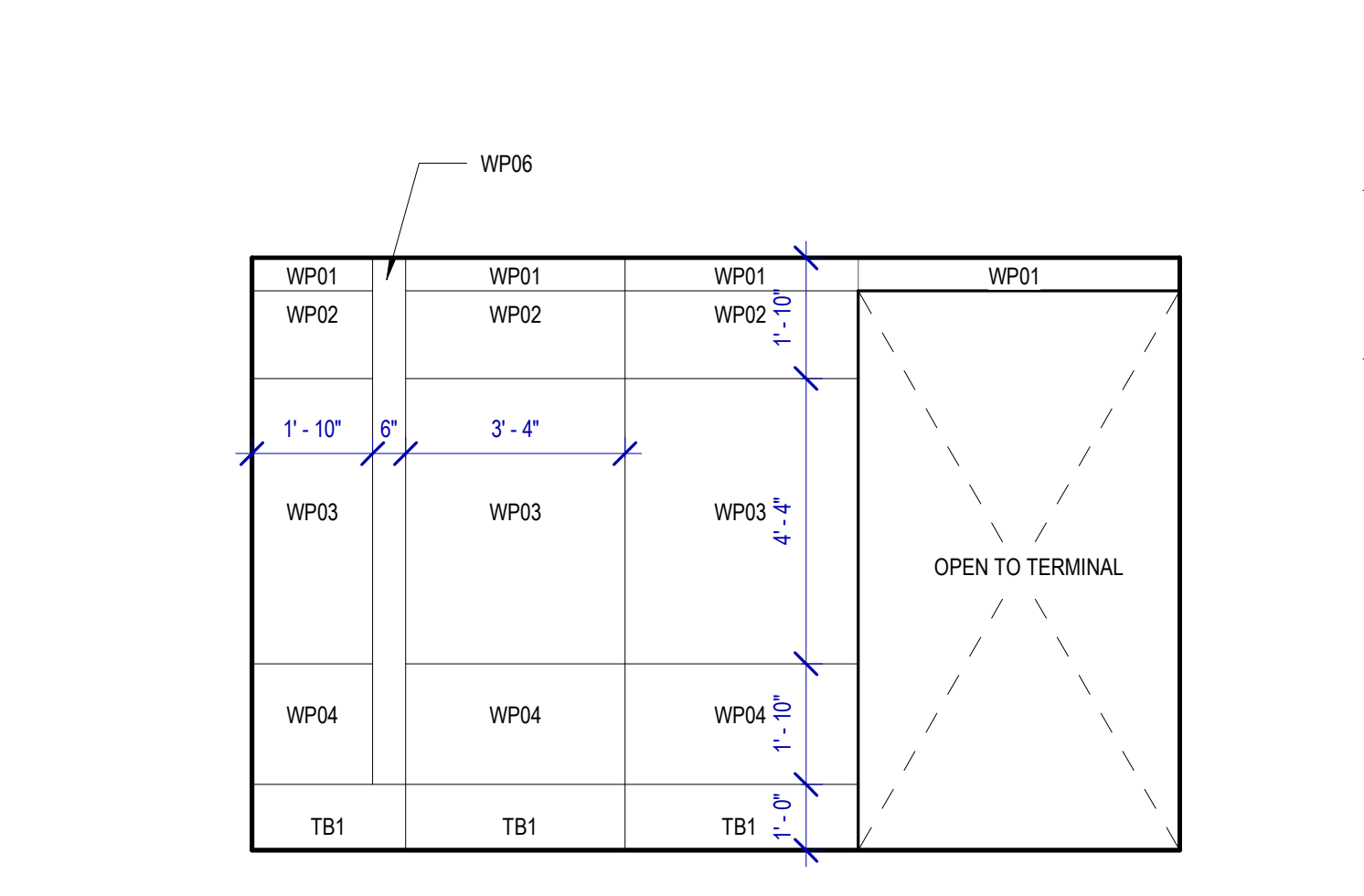
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SCALE: 3/8" = 1'-0"



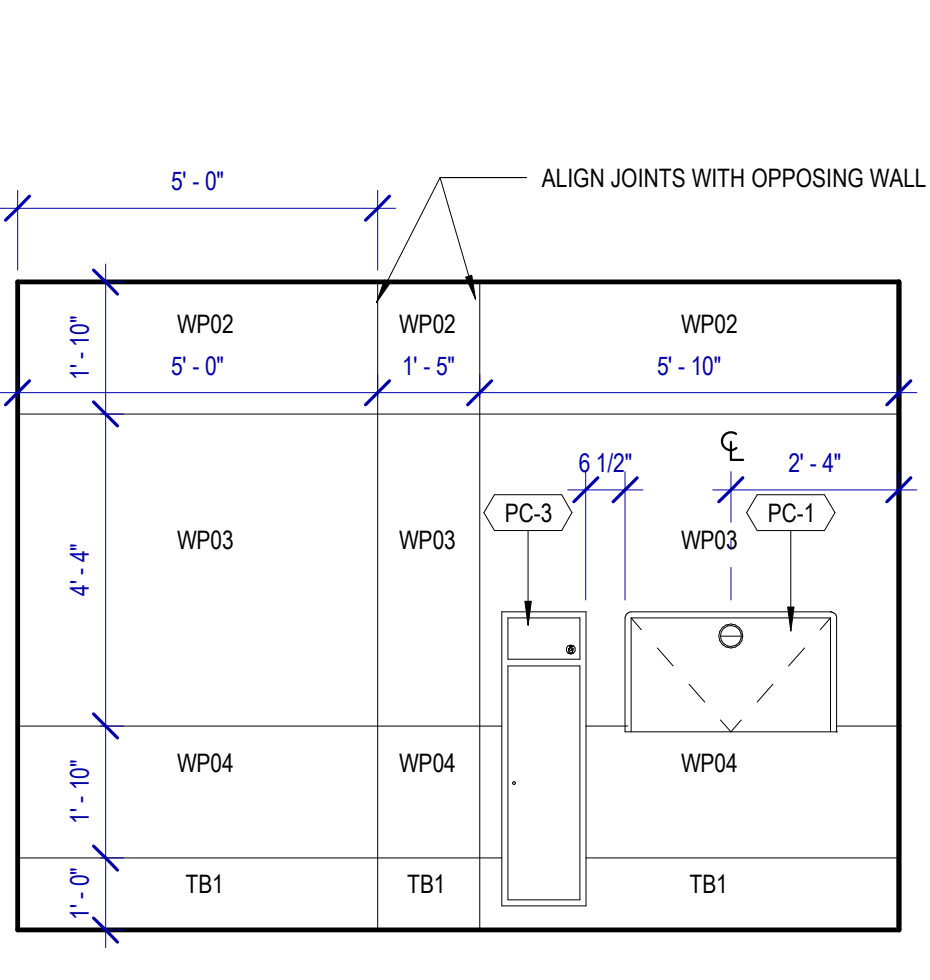
A3 MENS 136 E
SCALE: 3/8" = 1'-0"



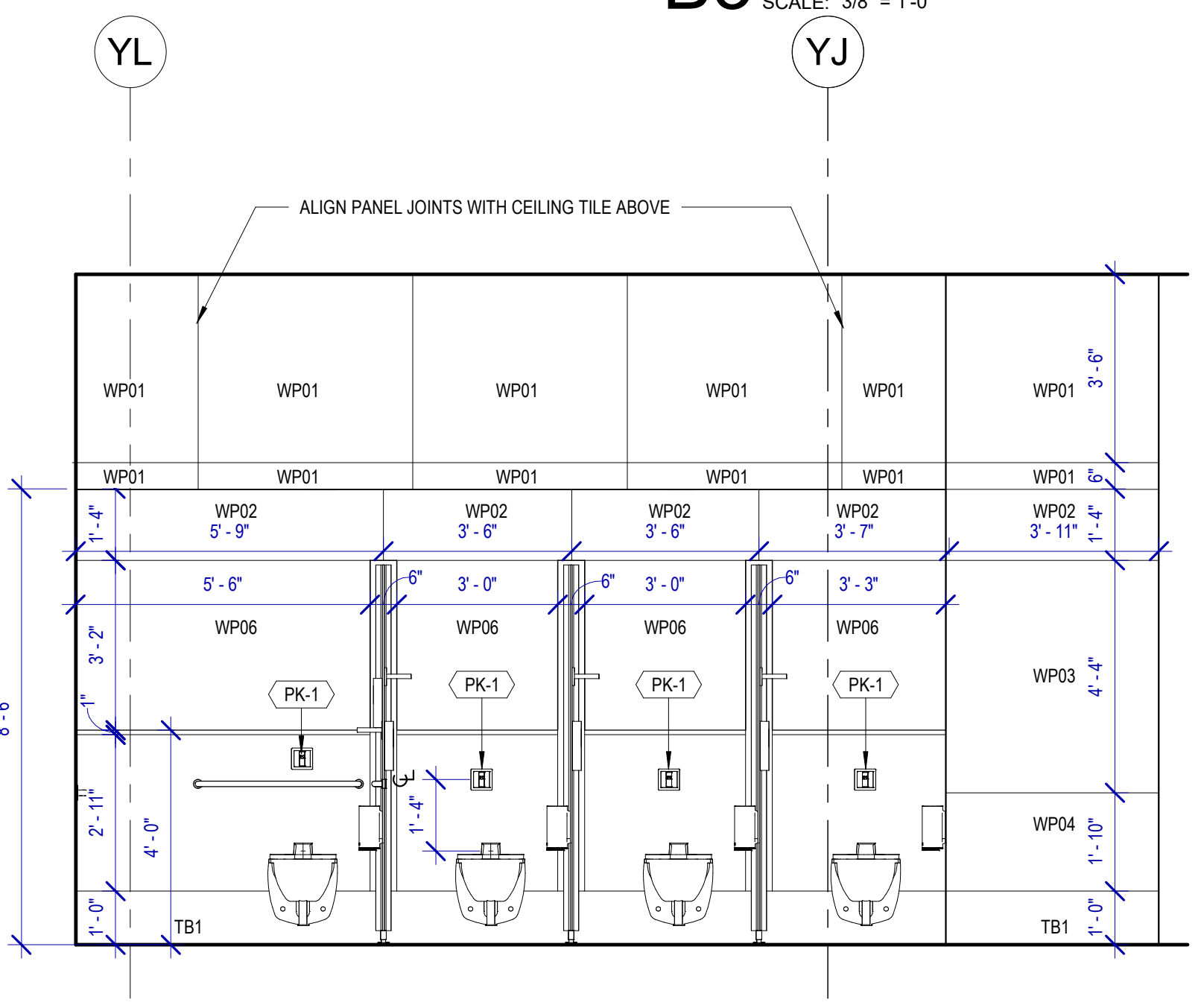
B3 MENS 136 F
SCALE: 3/8" = 1'-0"



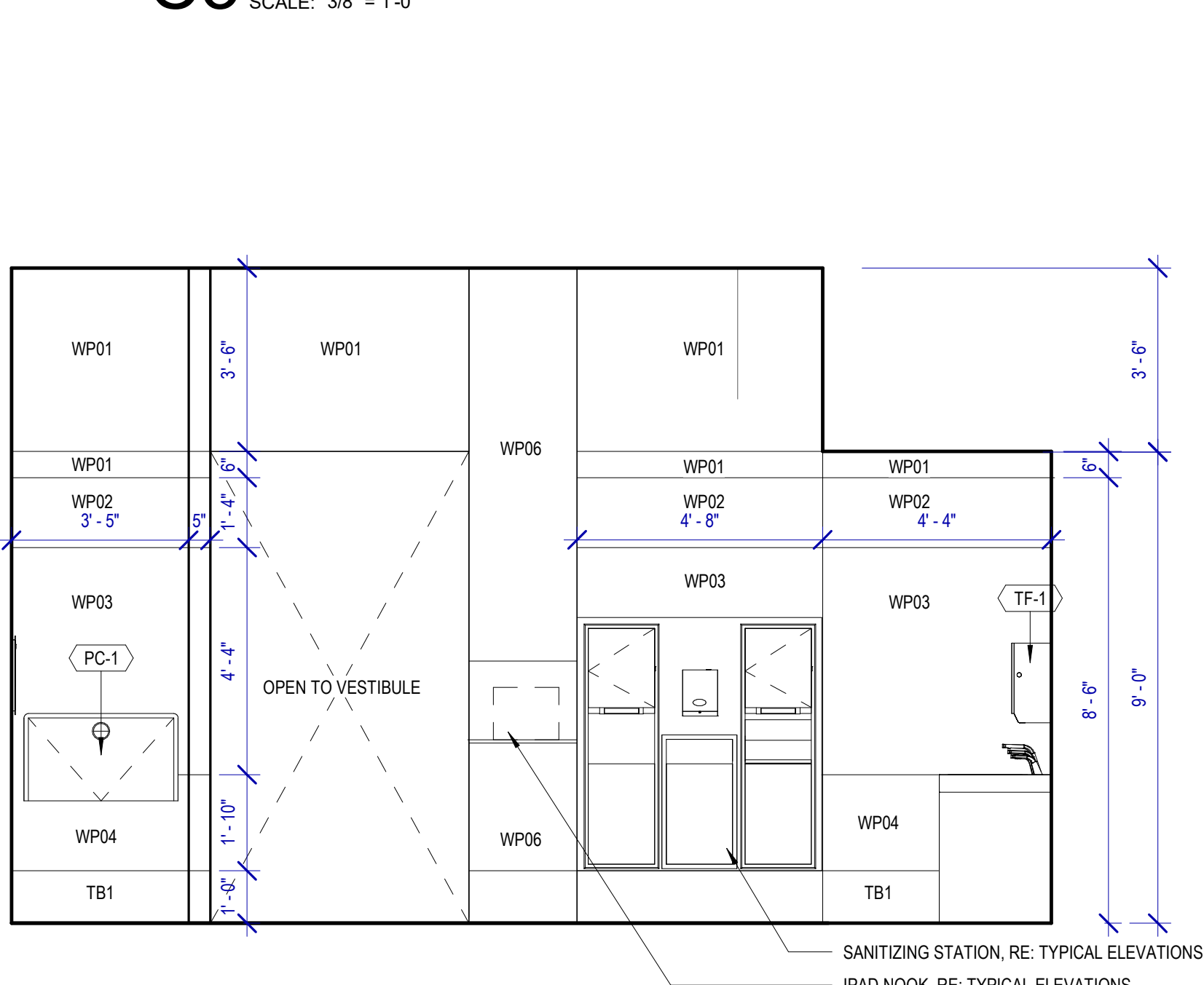
C3 MENS 136 G
SCALE: 3/8" = 1'-0"



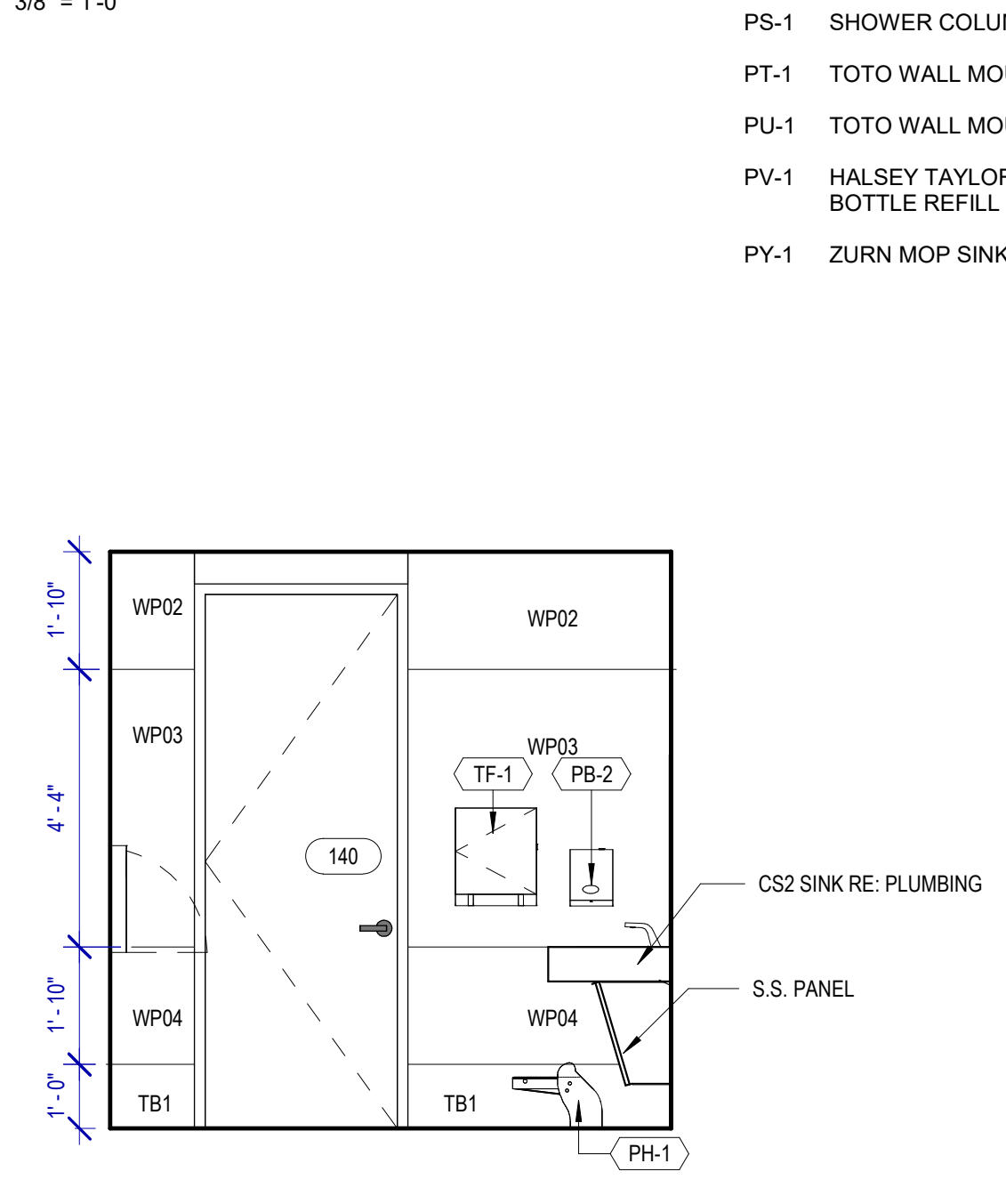
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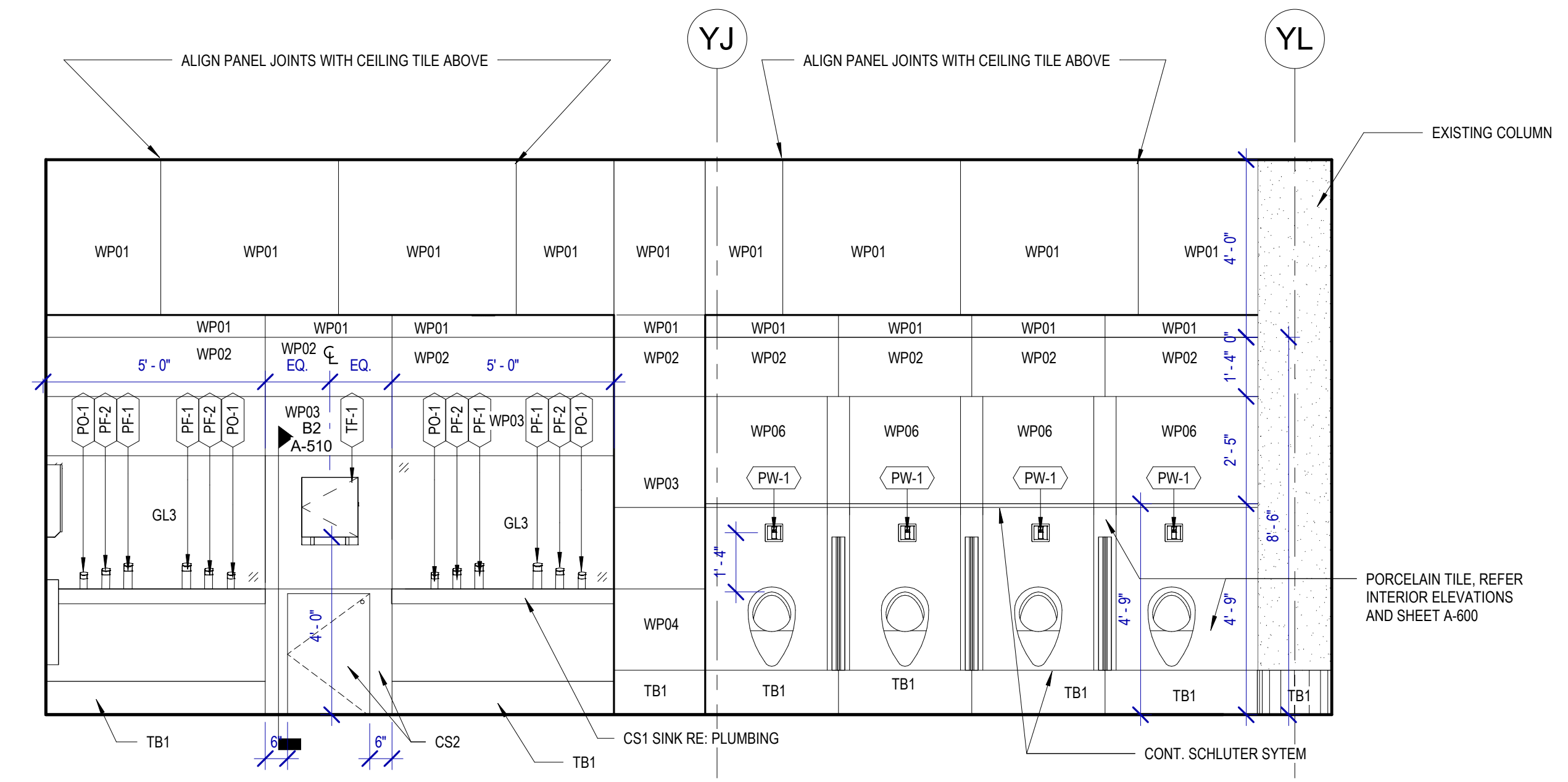
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SCALE: 3/8" = 1'-0"



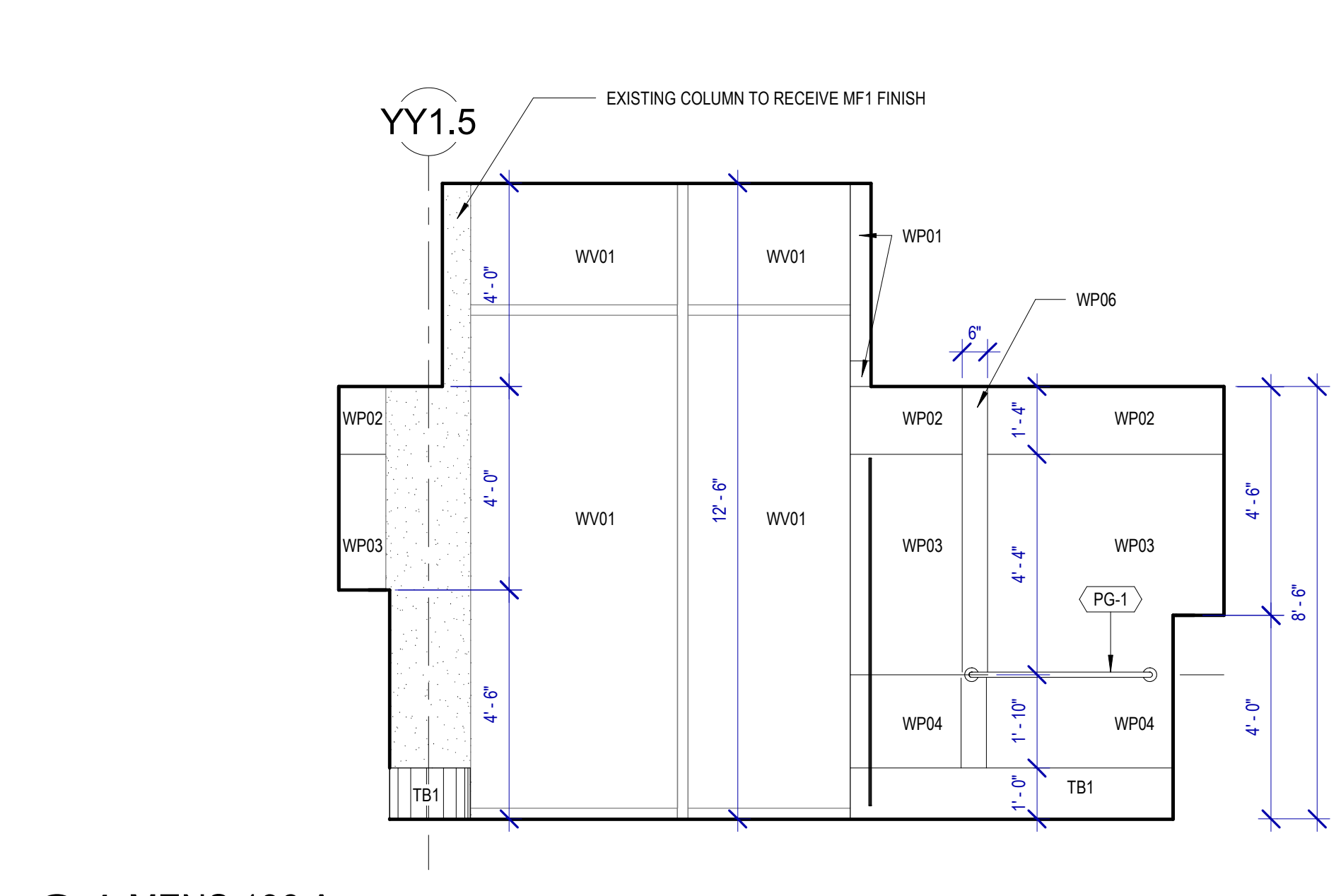
C2 MENS 136 D
SCALE: 3/8" = 1'-0"



D2 ASSISTED 140 D
SCALE: 3/8" = 1'-0"



A1 MENS 136 B
SCALE: 3/8" = 1'-0"



C1 MENS 136 A
SCALE: 3/8" = 1'-0"

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/1429.06_Hobby_Airport_Restroom_Reno_Central.rvt
 PLOT DATE: 03/22/2022
 PLOT DATE: 03/22/2022
 HAS FILE:
 PLOT DATE: 03/22/2022
 PLOT DATE: 03/22/2022
 PLOT DATE: 03/22/2022
 PLOT DATE: 03/22/2022
 PLOT DATE: 03/22/2022

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
 DRAWN BY: HECTOR BERRIOS
 CHECKED BY: DANIEL ORTIZ
 ISSUE DATE: 03.22.2022
 APPROVED BY: DANIEL ORTIZ
 APPROVAL DATE: 03.22.2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

SHEET NAME: INTERIOR ELEVATIONS GATES 28-32
 SHEET No. A-428 SCALE: As indicated
 SHEET SIZE: 30"x42" ARCH E1

| REVISIONS | | | |
|-----------|--------------------|----------|----|
| No. | DESCRIPTION | DATE | BY |
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

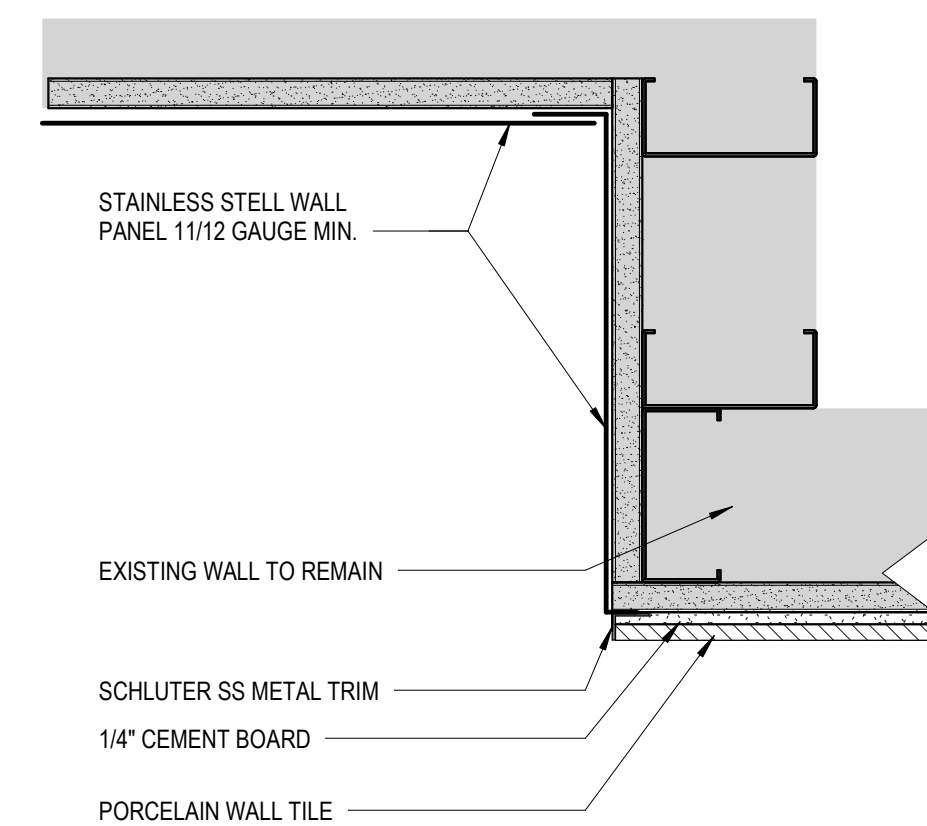
**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**

Review/Approval Category
IFB
ISSUED FOR BIDDING

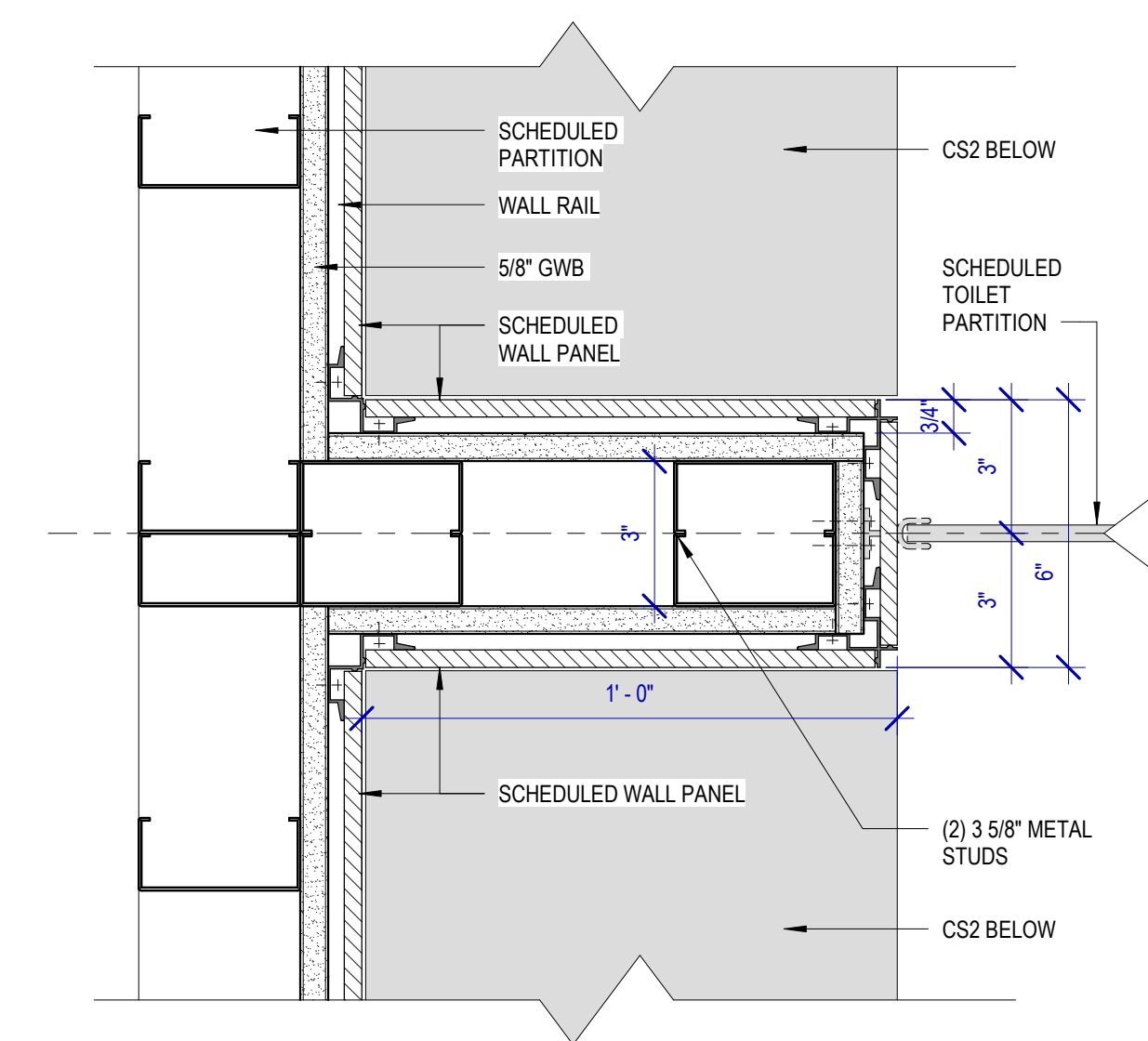
SHEET NAME: PLAN DETAILS

SHEET No. A-500 SCALE: 3" = 1'-0"

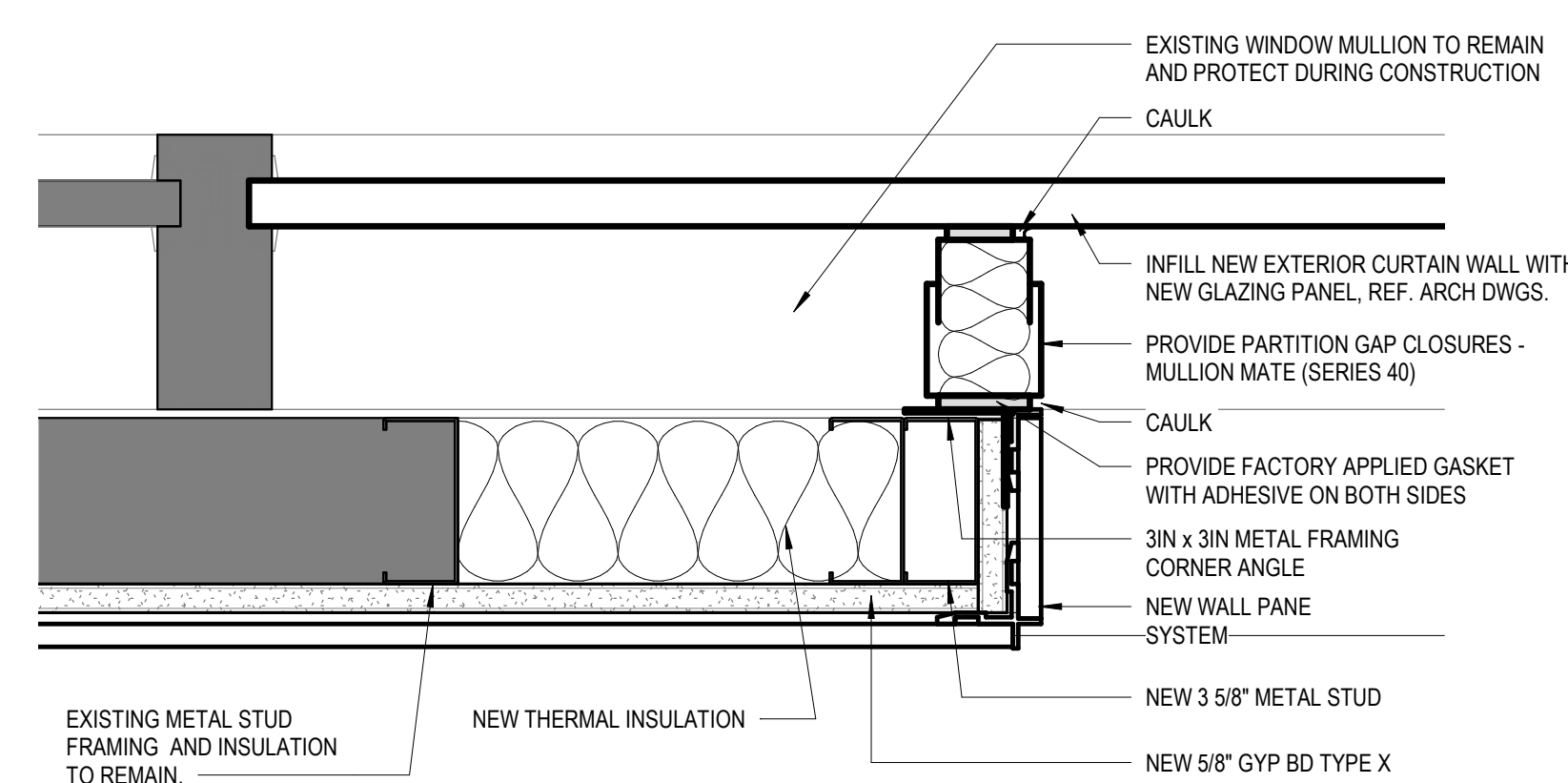
SHEET SIZE: 30"x42" ARCH E1



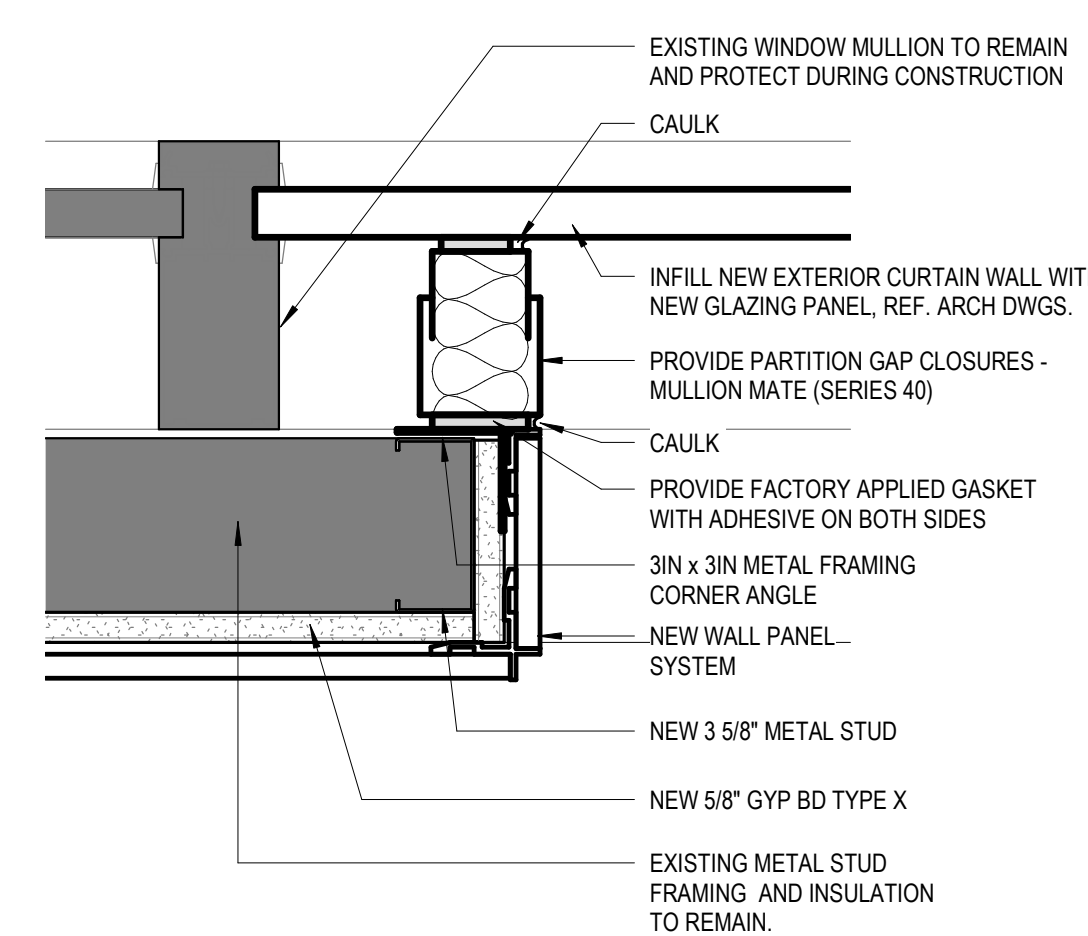
D3 ALUMINUM DETAIL AT DRINKING FOUNTAIN
SCALE: 3" = 1'-0"



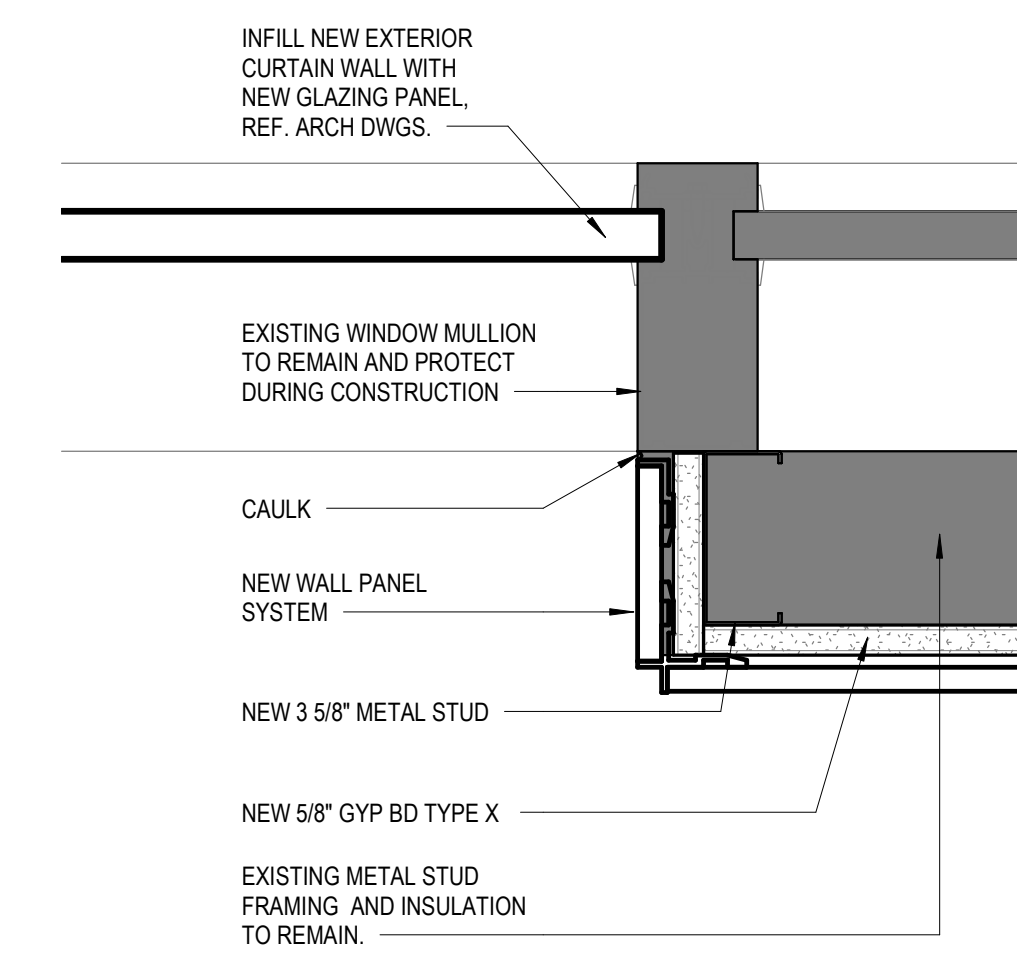
D2 PLAN DETAIL @ SHELVING BEHIND THE URINAL/WC
SCALE: 3" = 1'-0"



B1 PLAN DETAIL @ EXISTING WINDOW MULLION 3
SCALE: 3" = 1'-0"



C1 PLAN DETAIL @ EXISTING WINDOW MULLION 2
SCALE: 3" = 1'-0"



D1 PLAN DETAIL @ EXISTING WINDOW MULLION
SCALE: 3" = 1'-0"

FILE PATH: BIM 360//1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

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

| REVISIONS | | | |
|-----------|--------------------|----------|----|
| No. | DESCRIPTION | DATE | BY |
| 1 | Issued For Bidding | 03.22.22 | HB |

| | |
|----------------|---------------------|
| DESIGN BY: | KATHERINE DOMINGUEZ |
| DRAWN BY: | HECTOR BERRIOS |
| CHECKED BY: | DANIEL ORTIZ |
| ISSUE DATE: | 03.22.2022 |
| APPROVED BY: | DANIEL ORTIZ |
| APPROVAL DATE: | 03.22.2022 |

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

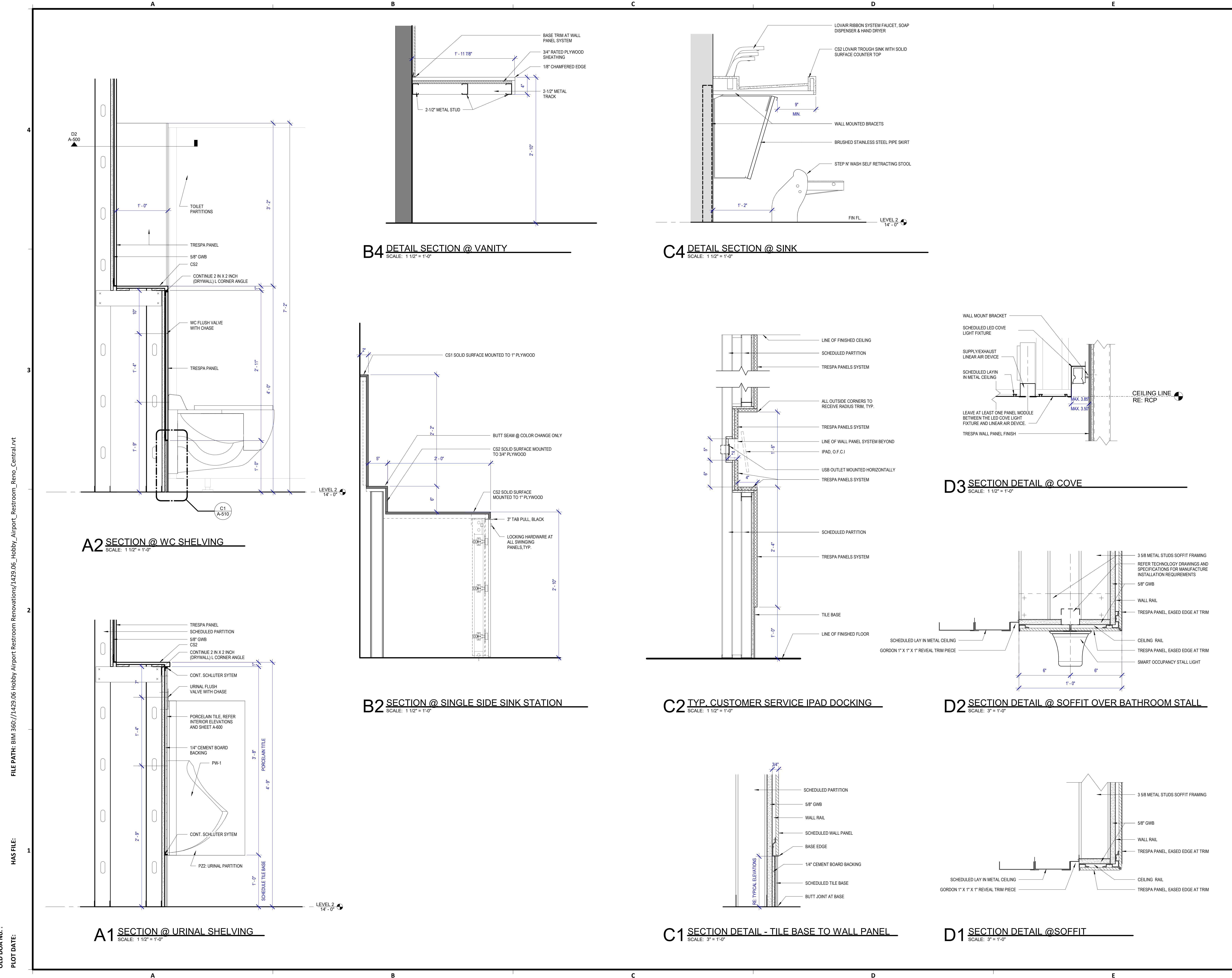
Review/Approval Category

IFB
ISSUED FOR BIDDING

SHEET NAME: SECTION DETAILS

SHEET No. A-510 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



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

REVISIONS

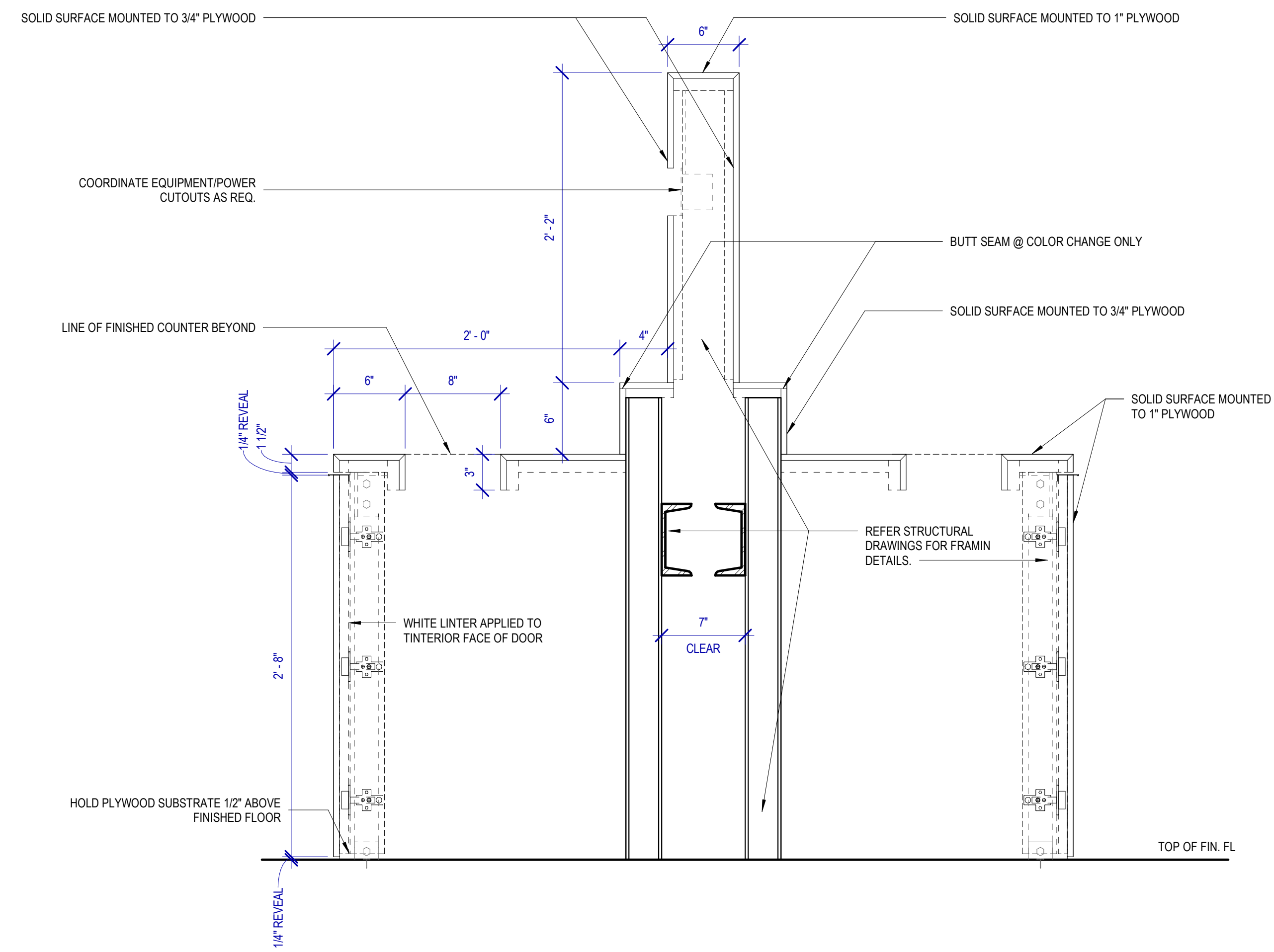
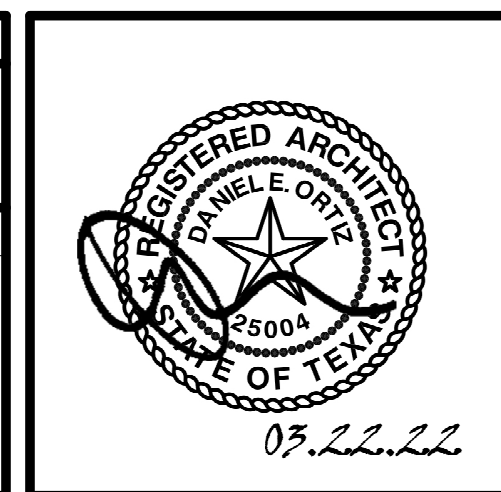
| NO. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

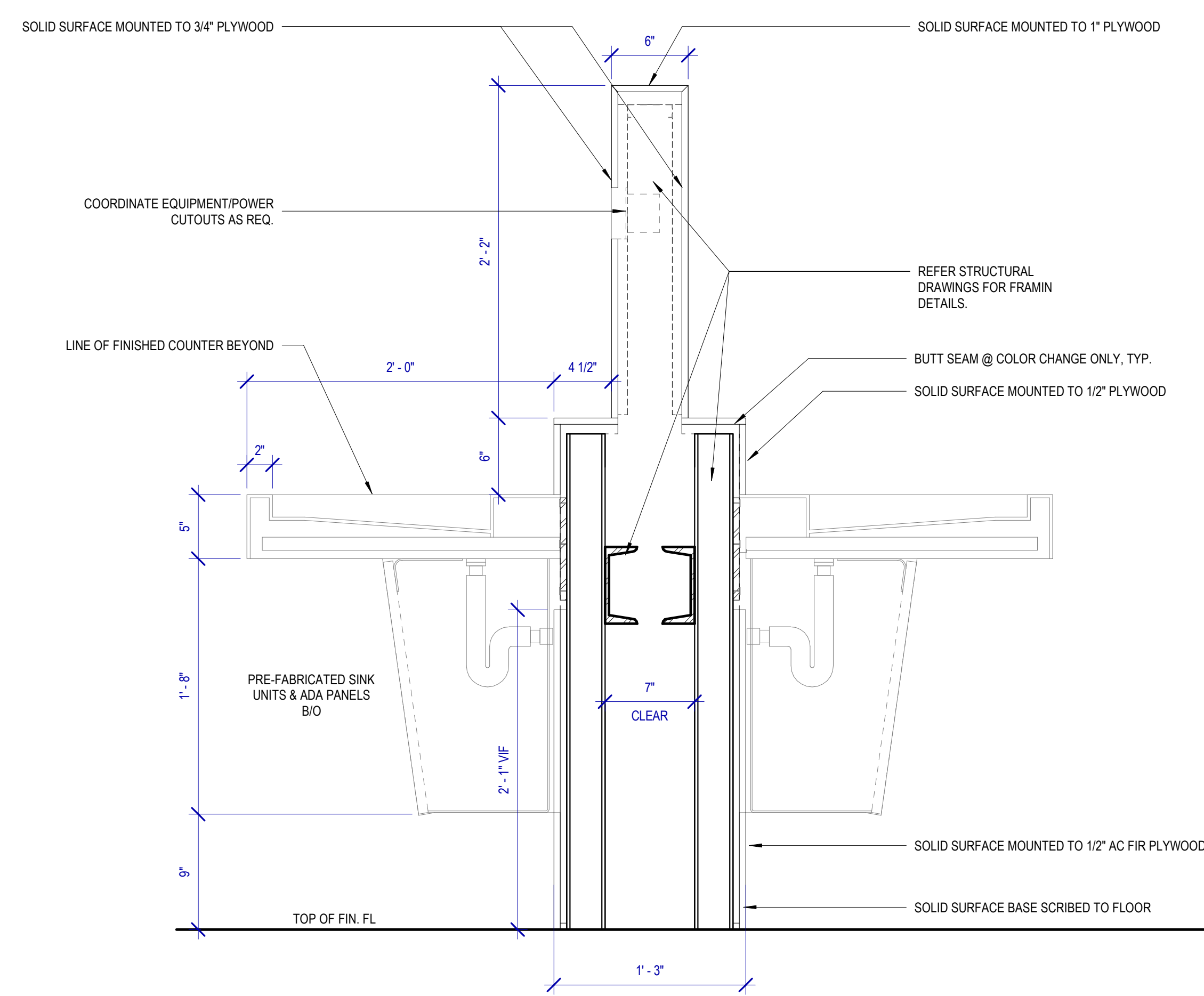
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Review/Approval Category

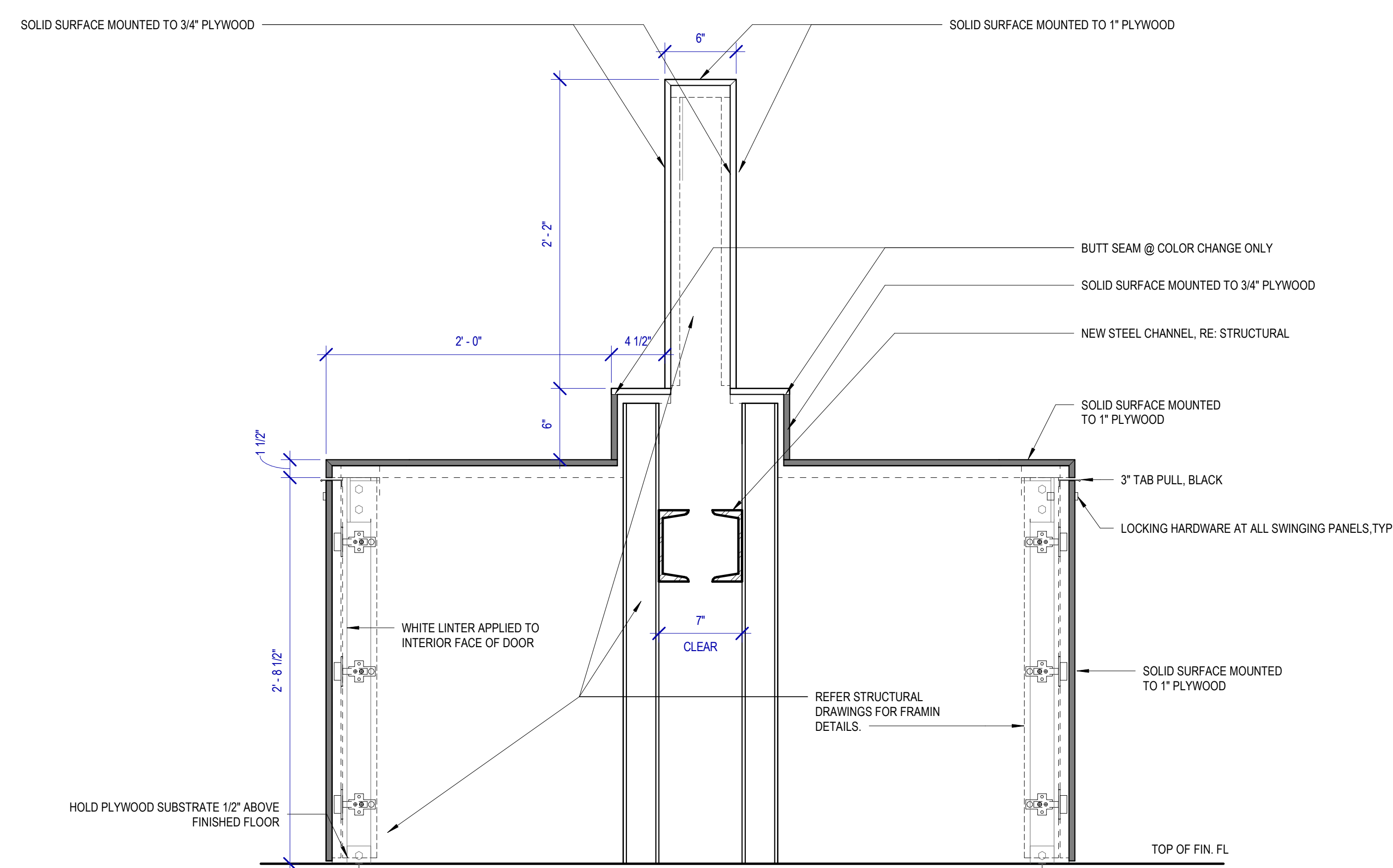
IFB
ISSUED FOR BIDDING



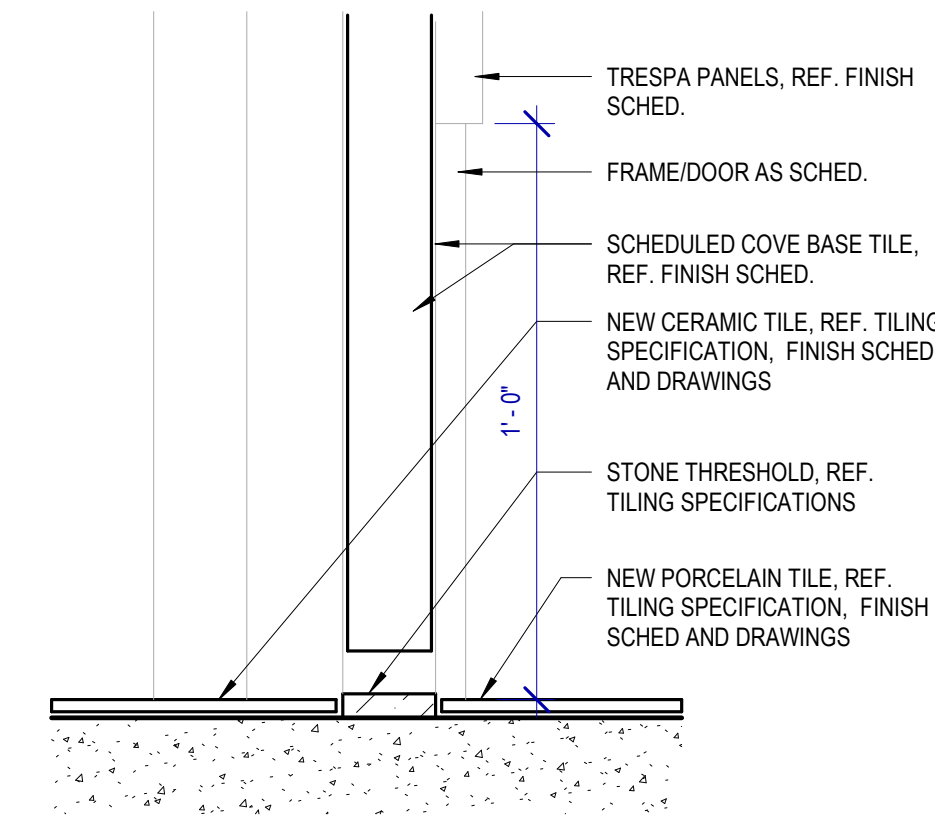
C3 SECTION - TRASH UNIT
SCALE: 1 1/2" = 1'-0"



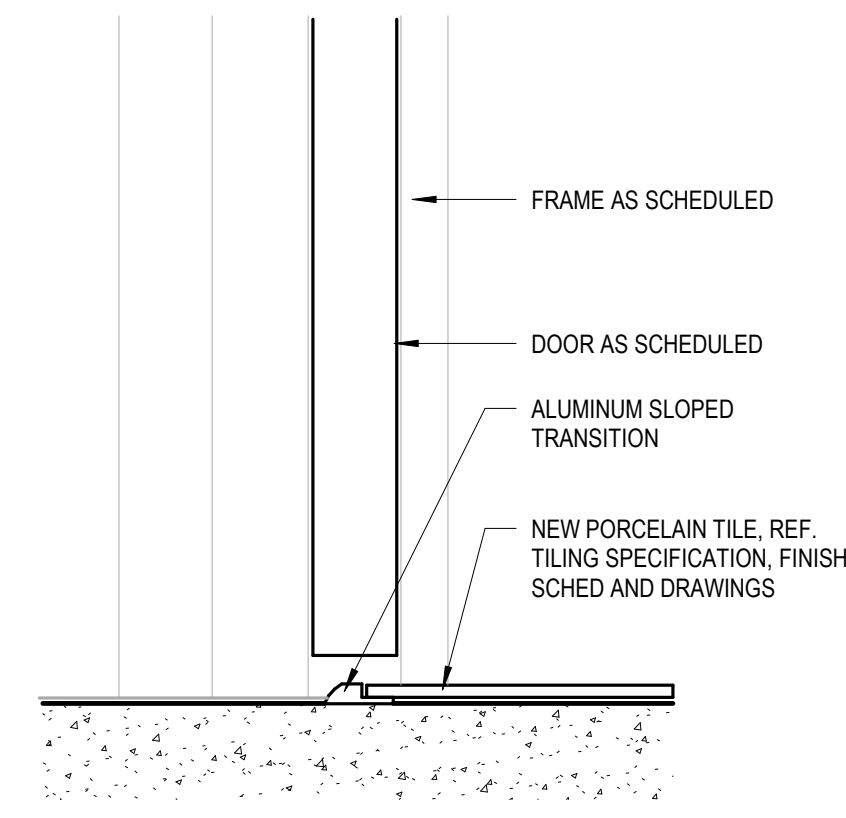
A1 SECTION - PRE-FAB SINK UNIT
SCALE: 1 1/2" = 1'-0"



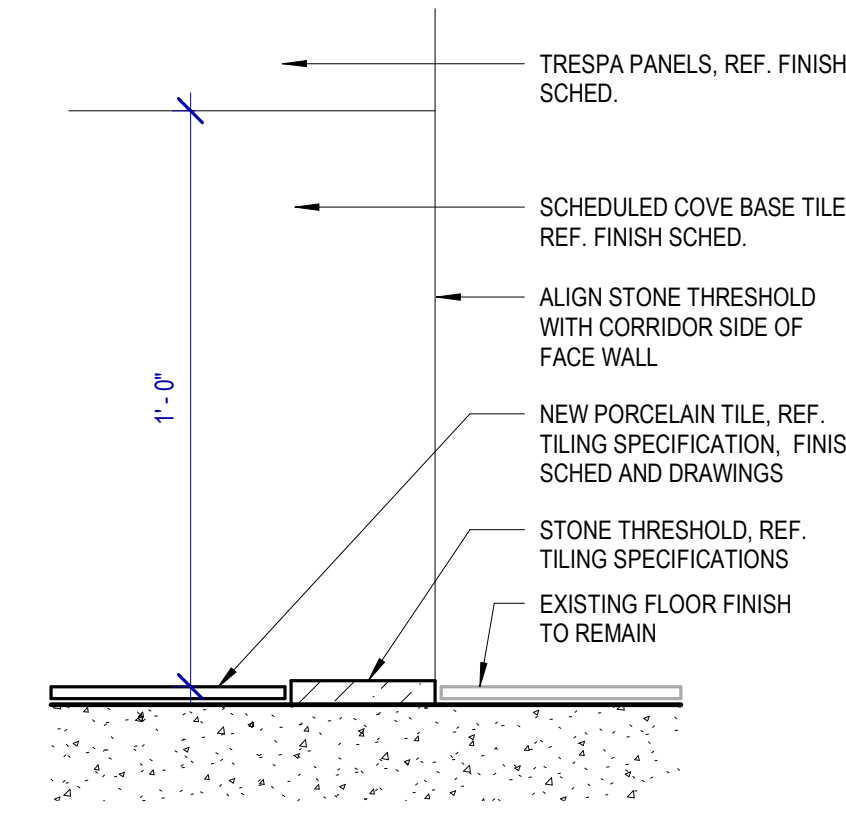
C1 SECTION - ISLAND SWING PANEL
SCALE: 1 1/2" = 1'-0"



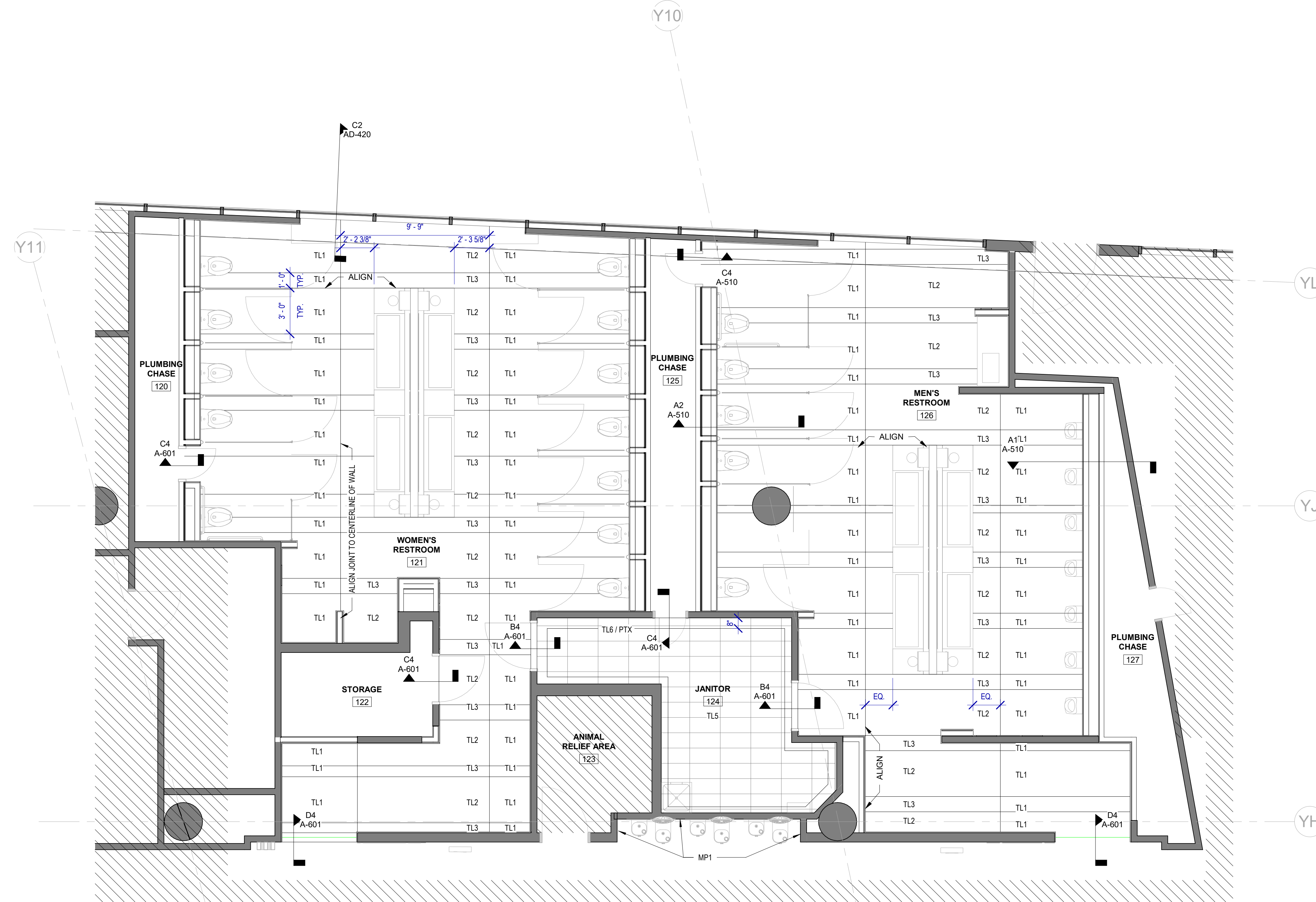
B4 FLOOR TRANSITION DETAIL 3
SCALE: 3" = 1'-0"



C4 FLOOR TRANSITION DETAIL 2
SCALE: 3" = 1'-0"



D4 FLOOR TRANSITION DETAIL 1
SCALE: 3" = 1'-0"



A1 FINISH PLAN - GATE 20-23 RESTROOMS
SCALE: 1/4" = 1'-0"

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.
- PAINT**
- ALL GWB CEILINGS TO RECEIVE PT01 PAINT
 - ALL JANITOR CLOSET WALLS TO RECEIVE (1) COAT PRIMER AND (2) COATS PAINT PT03 ABOVE TILE WAINSCOTT, EGGSHELL FINISH U.N.O.
 - ALL PAINT TO BE APPLIED IN ACCORDANCE TO THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
 - ALL NEW & EXISTING DOORS TO RECEIVE PT02 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.



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**HOU RESTROOM RENOVATIONS
PHASE 2**

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

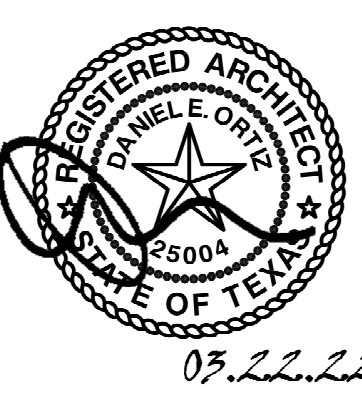
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
DRAWN BY: HECTOR BERRIOS
CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03.22.2022
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

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SHEET NAME: FINISH PLAN GATES 20-23

SHEET No. A-601 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



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HOU RESTROOM RENOVATIONS PHASE 2

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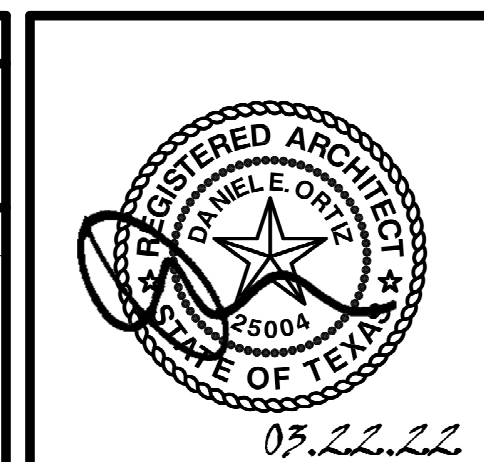
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

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|-----|--------------------|----------|----|
| 1 | Issued For Bidding | 03.22.22 | HB |

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APPROVAL DATE: 03.22.2022

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SHEET NAME: FINISH PLAN GATES 24-27

SHEET No. A-602 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FINISHES GENERAL NOTES

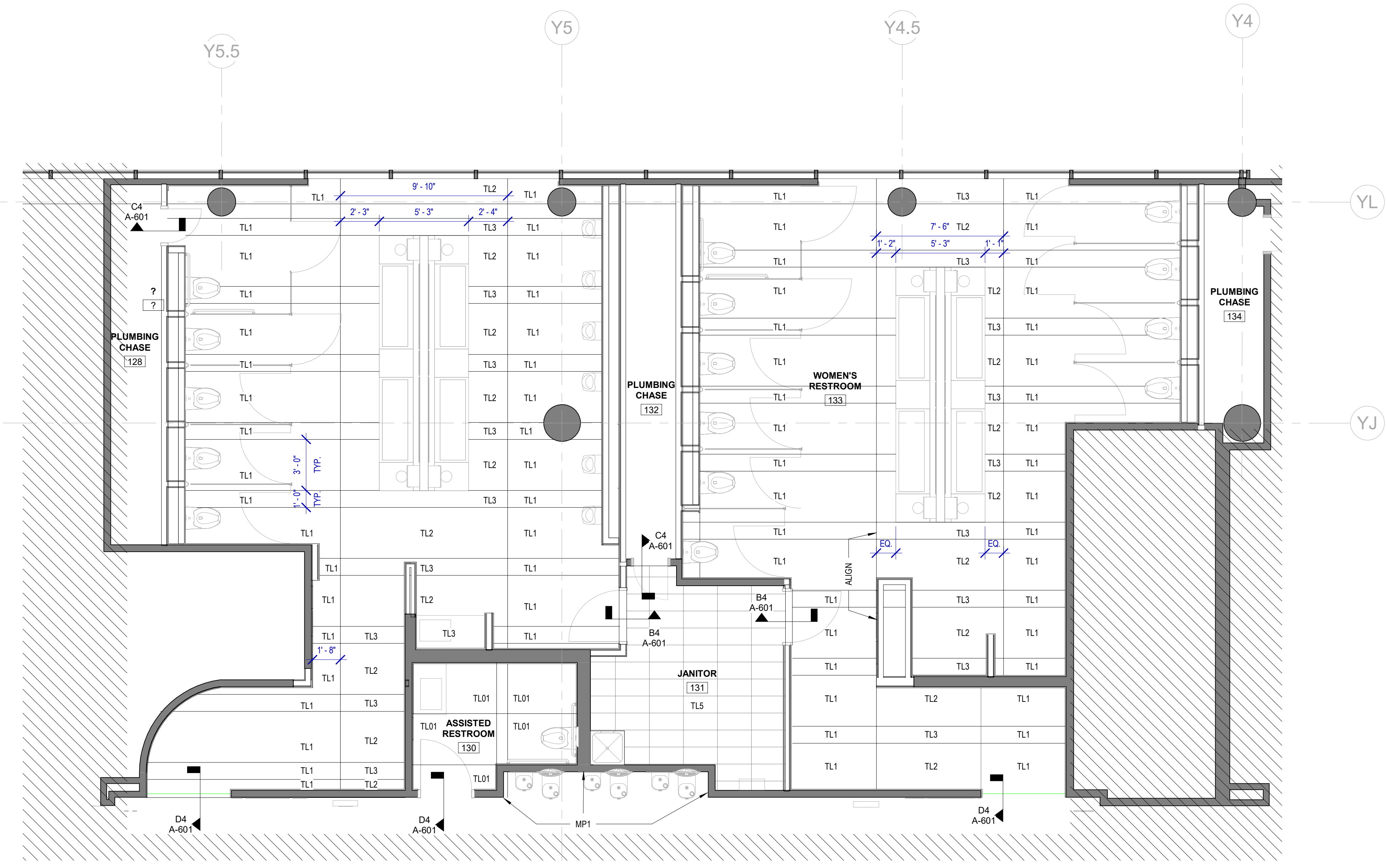
- ALL WALL/CEILING MATERIALS SHALL MEET FLAME SPREAD CLASS REQUIRED PER IBC TABLE 903.9
- REFER TO SHEET G-002 & G-003 FOR GENERAL NOTES, KEYS AND SYMBOLS.
- INTERIOR FLOOR FINISHES ARE REFERENCES FROM THE MATERIAL & FINISH KEY OR FROM THE FLOOR PLANS
- REFER TO INTERIOR ELEVATION SHEETS FOR ADDITIONAL 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.

PAINT

- ALL GWB CEILINGS TO RECEIVE PT01 PAINT
- ALL JANITOR CLOSET WALLS TO RECEIVE (1) COAT PRIMER AND (2) COATS PAINT PT03 ABOVE TILE WAINSCOTT, EGGSHELL FINISH U.N.O.
- ALL PAINT TO BE APPLIED IN ACCORDANCE TO THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
- ALL NEW & EXISTING DOORS TO RECEIVE PT02 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.
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- TILE BASE GROUT LINES TO ALIGN W/ WALL PANEL JOINTS.
- ALL WET AREAS TO RECEIVE EPOXY GROUT.



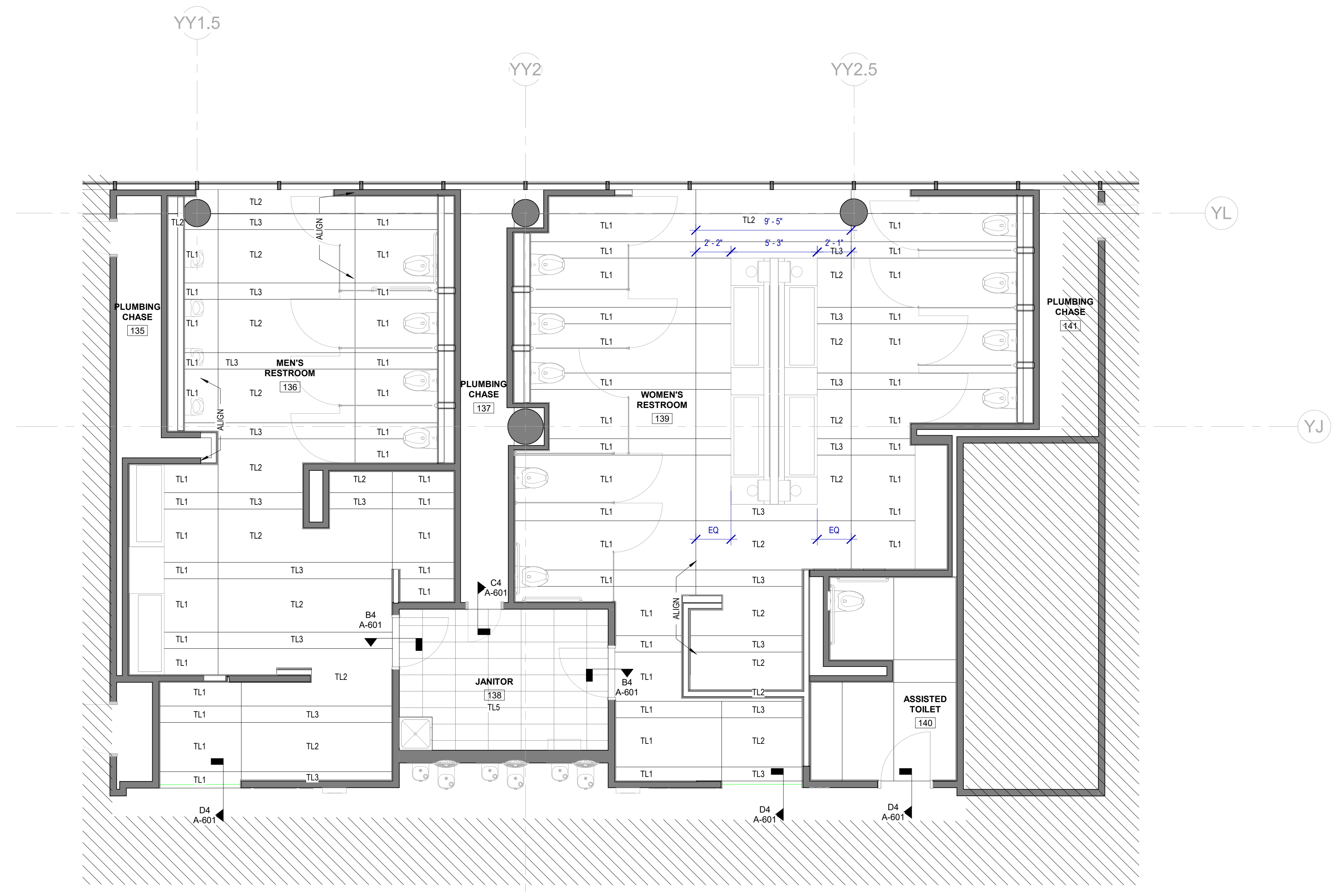
1 FINISH PLAN - GATE 24-27 RESTROOMS
SCALE: 1/4" = 1'-0"

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

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/1429.06 Hobby_Airport_Restroom_Reno_Central.rvt
HAS FILE:

A1 FINISH PLAN - GATE 28-32 RESTROOMS
SCALE: 1/4" = 1'-0"



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.
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 - WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH FACE OF WALL.
- PAINT**
- ALL GWB CEILINGS TO RECEIVE PT01 PAINT
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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

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| 1 | Issued For Bidding | 03.22.22 | HB |

DESIGN BY: KATHERINE DOMINGUEZ
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APPROVAL DATE: 03.22.2022

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SHEET NAME: FINISH PLAN GATES 28-32
SHEET No. A-603 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

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JONES ENGINEERS, L.P.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

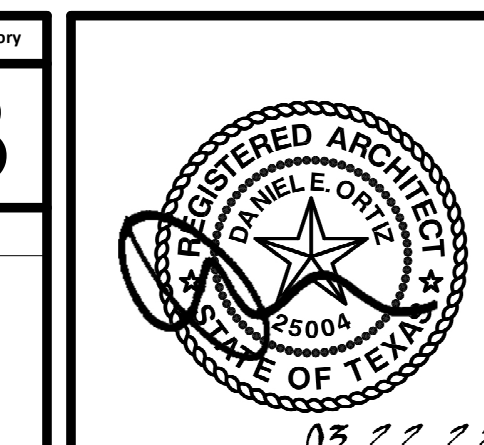
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DESIGN BY: KATHERINE DOMINGUEZ
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CHECKED BY: DANIEL ORTIZ
ISSUE DATE: 03/22/22
APPROVED BY: DANIEL ORTIZ
APPROVAL DATE: 03.22.2022

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IFB
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SHEET NAME: ROOM SIGNAGE
SHEET No. A-604 SCALE:
SHEET SIZE: 30"x42" ARCH E1

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 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)

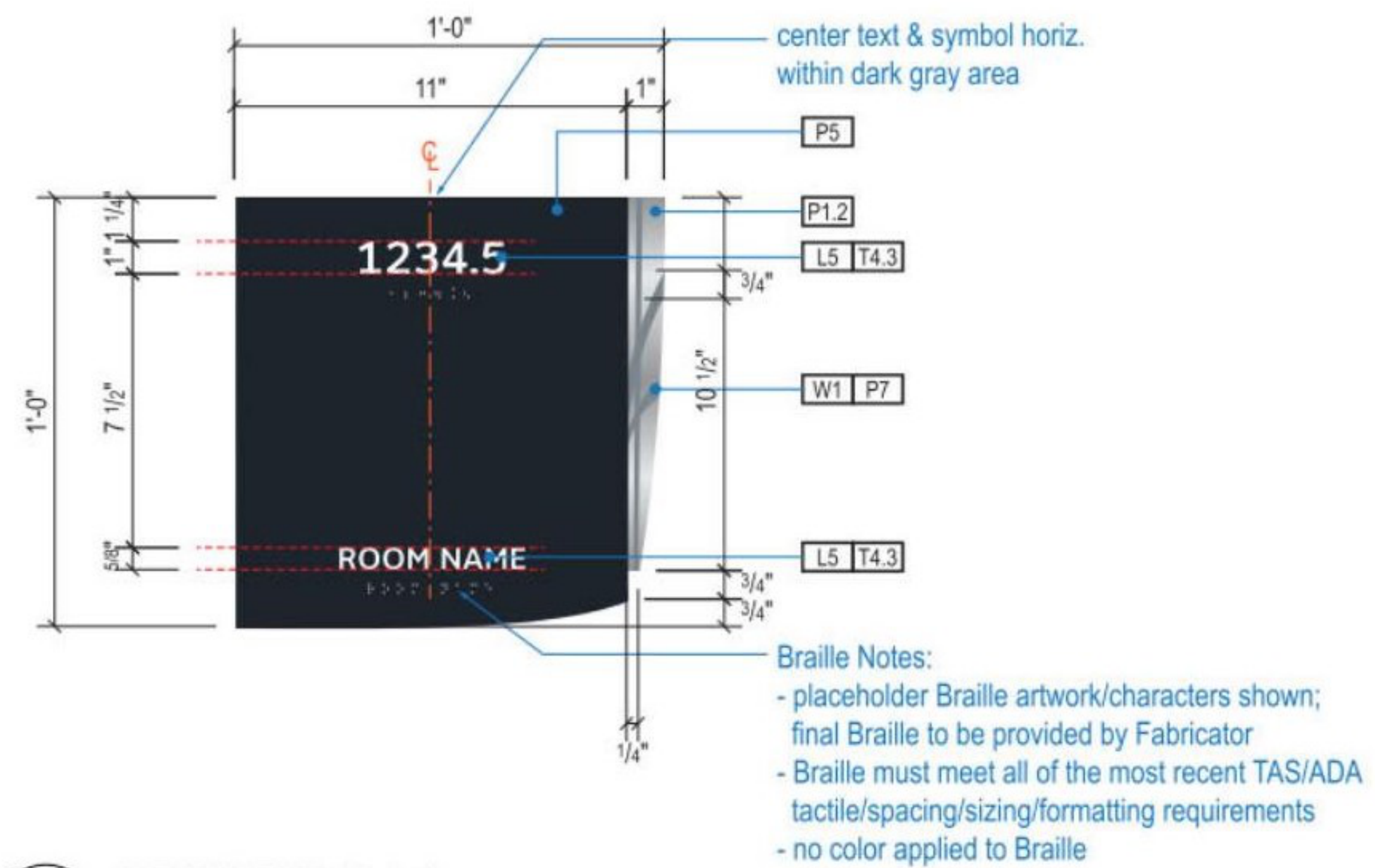
LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

- 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

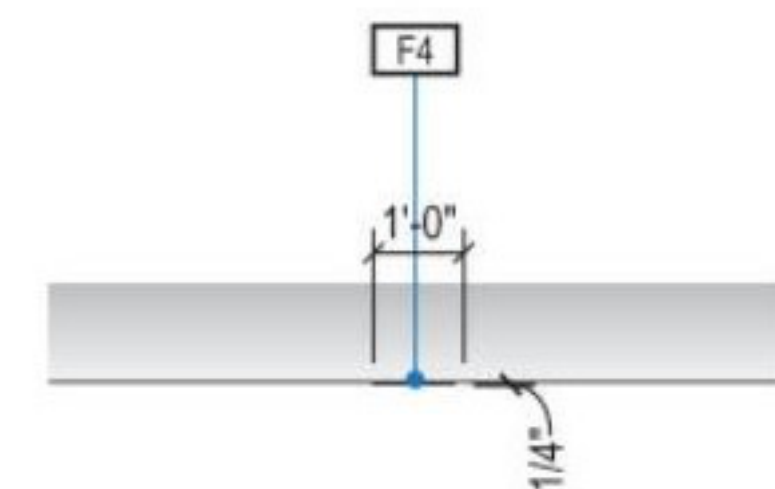
COLORS:

- 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

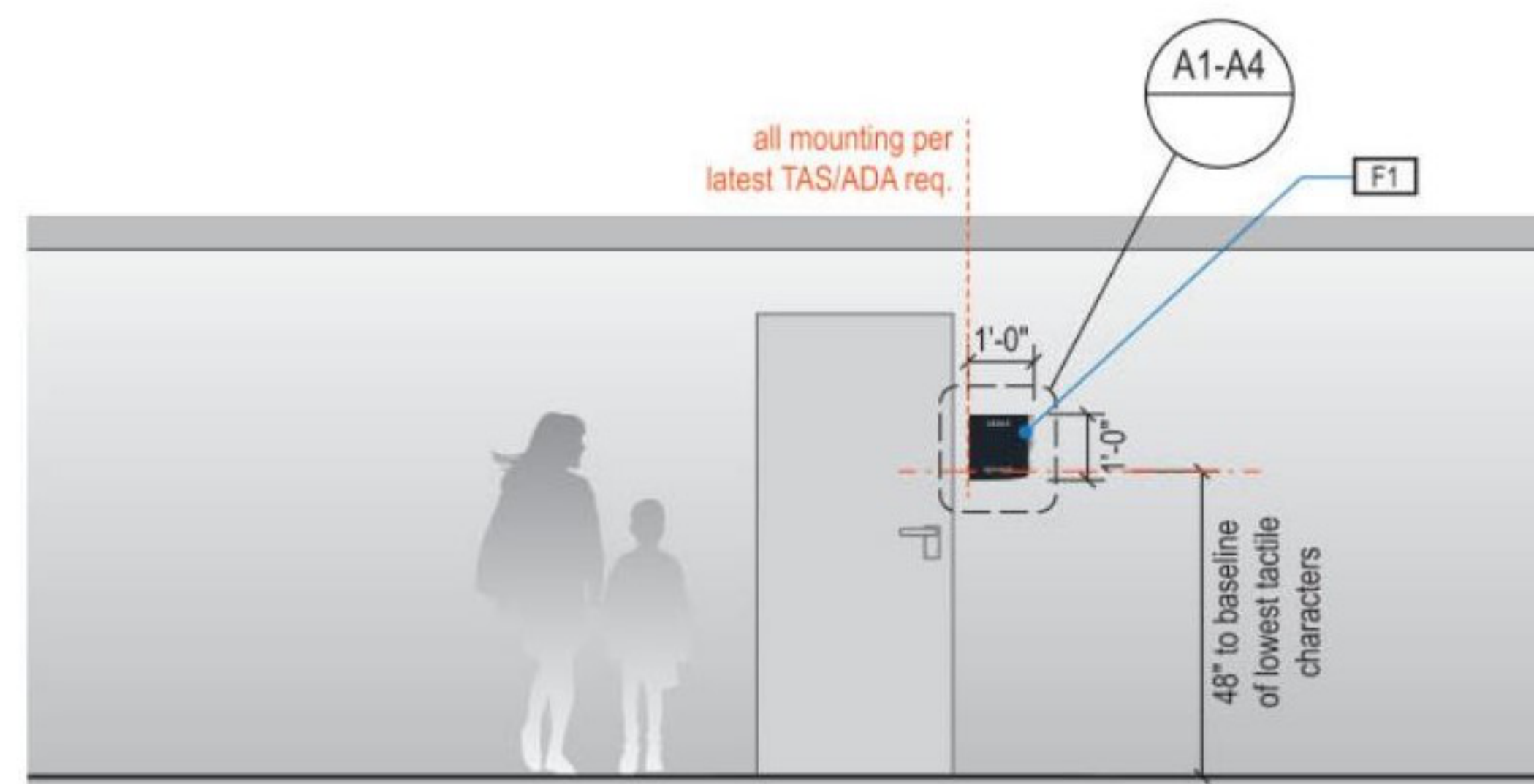
NOTE:
PROVIDE 9 ROOM SIGNS, REFER DOOR SCHEDULE FOR LOCATION.



A1 FACE LAYOUT: Typical



1 PLAN VIEW



2 ELEVATION

STRUCTURAL GENERAL NOTES

PART I - DESIGN CRITERIA

- A. GENERAL BUILDING CODE
- THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE 2012 WITH CITY OF HOUSTON AMENDMENTS.
- B. DEAD LOADS
- ORIGINAL DESIGN LOADS:
FLOOR FINISHES 30 PSF
MECH. AND CEILING 15 PSF
- C. LIVE LOADS
- DESIGN LIVE LOADS ARE BASED ON THE MORE RESTRICTIVE OF THE UNIFORM LOAD OR THE CONCENTRATED LOAD LISTED ACTING OVER AN AREA 2.5 FEET SQUARE OR, IN THE CASE OF PARKING GARAGES, 20 SQUARE INCHES, OR STAIR TREADS, 4 SQUARE INCHES.
 - ORIGINAL DESIGN LOADS:
FLOOR LIVE LOAD 100 PSF
- NOTES:
- UNIFORM LOAD REQUIRED IS THE SAME AS THE OCCUPANCY SERVED.
 - DESIGN CONCENTRATED LOAD IS THAT REQUIRED BY ASSUMED EQUIPMENT WEIGHT.
- 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
- HOT ROLLED STRUCTURAL MEMBERS: ALL HOT ROLLED STEEL PLATES, SHAPES, AND BARS SHALL BE NEW STEEL CONFORMING TO ASTM SPECIFICATION.
 - 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
- IF INCLUDED, REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- C. STRUCTURAL BOLTS AND THREADED FASTENERS
- A 325 BOLTS: ALL BOLTS IN STRUCTURAL CONNECTIONS SHALL CONFORM TO ASTM A 325 TYPE 1, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- D. WELDING
- UNLESS NOTED OTHERWISE, ELECTRODES FOR WELDING SHALL CONFORM TO E70XX (SMAW), E7XX-EXXX (SAW), E70S-X (GMAW), OR E7XT-X (FCAW).

PART III - MISCELLANEOUS

- A. CONTRACT DOCUMENTS
- 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.
 - 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
- 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
- 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
- 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.
 - WORK SHOWN ON THE DRAWINGS IS NEW, UNLESS NOTED AS EXISTING.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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
- 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 0101 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.
 - SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

PART IV - DRAWING INTERPRETATION

- A. DRAWING VIEWS LABELED AS "TYPICAL"
- 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 KEVED 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
- 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.
 - SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK:
• 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
 - 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.
 - QUALITY ASSURANCE PLAN SHALL BE PROVIDED IN ACCORDANCE WITH IBC SECTION 1705.

PART VI - COLD-FORMED STEEL

- A. COLD-FORMED STEEL STRUCTURAL MEMBERS
- 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 SOCIATION SPECIFICATIONS, ICBO NO. 4943. MEMBERS SHALL BE FORMED FROM STEEL HAVING A MINIMUM 33,000 PSI YIELD POINT FOR 26 GAUGE THROUGH 18 GAUGE AND A MINIMUM 50,000 PSI YIELD POINT FOR 16 GAUGE THROUGH 12 GAUGE.
 - 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.
 - WELDED OR SCREWED SPLICES SHALL BE USED FOR ALL CONTINUOUS TRACKS. WIRE TYING OF STUD FRAMING COMPONENTS SHALL NOT BE PERMITTED.
 - 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.
 - 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.
 - 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.
 - SCREWS SHALL BE SELF-DRILLING AND TYPE S-12, ASTM C-964. EXCEPT THAT TYPE S, ASTM C-902, MAY BE USED FOR 20 GAUGE OR 22 GAUGE MATERIAL ONLY. SCREWS SHALL BE 3/8" TO 1/2" LONGER THAN TOTAL MATERIAL THICKNESS.



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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

| No. | DESCRIPTION | DATE | BY |
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| 1 | Issued For Bidding | 03.22.2022 | H-R |

DESIGN BY: P. MUZUMDAR
DRAWN BY: R. RODRIGUEZ
CHECKED BY: P. MUZUMDAR
ISSUE DATE: 03/22/2022
APPROVED BY: P. MUZUMDAR
APPROVAL DATE: 03/22/2022

DIRECTOR
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SHEET NAME: GENERAL NOTES

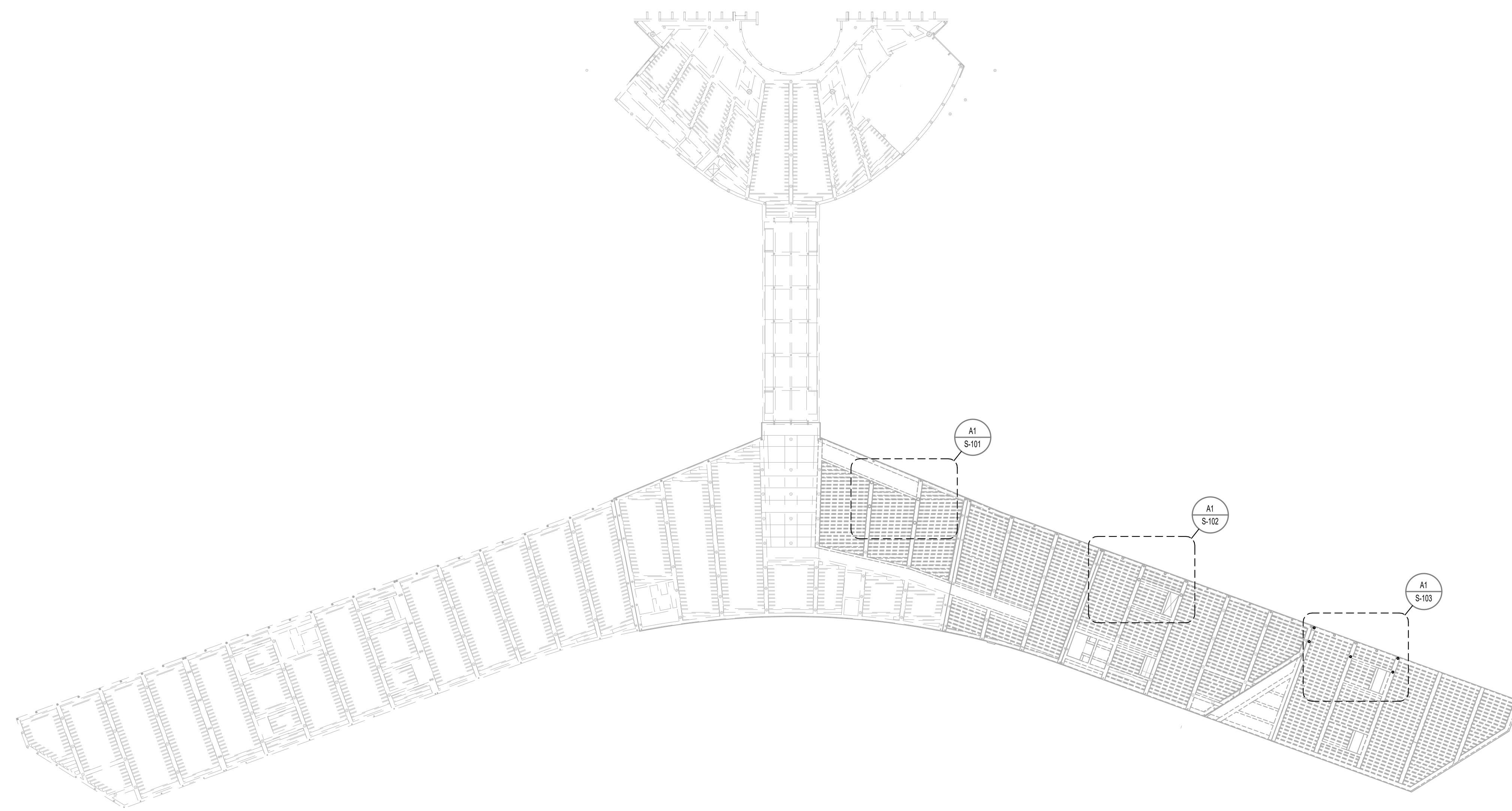
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SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/200760_Hobby_Airport_Restroom_Reno_Central.rvt
HAS FILE:

A1 OVERALL FLOOR PLAN - LEVEL 2
SCALE: 1/64" = 1'-0"



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SHEET NAME: OVERALL FLOOR PLAN - LEVEL 2

SHEET No. S-100 SCALE: 1/64" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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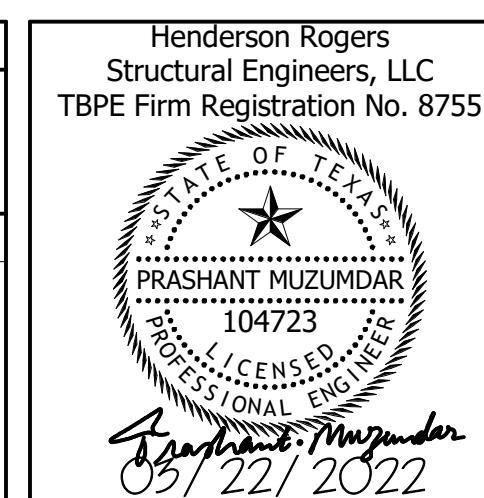
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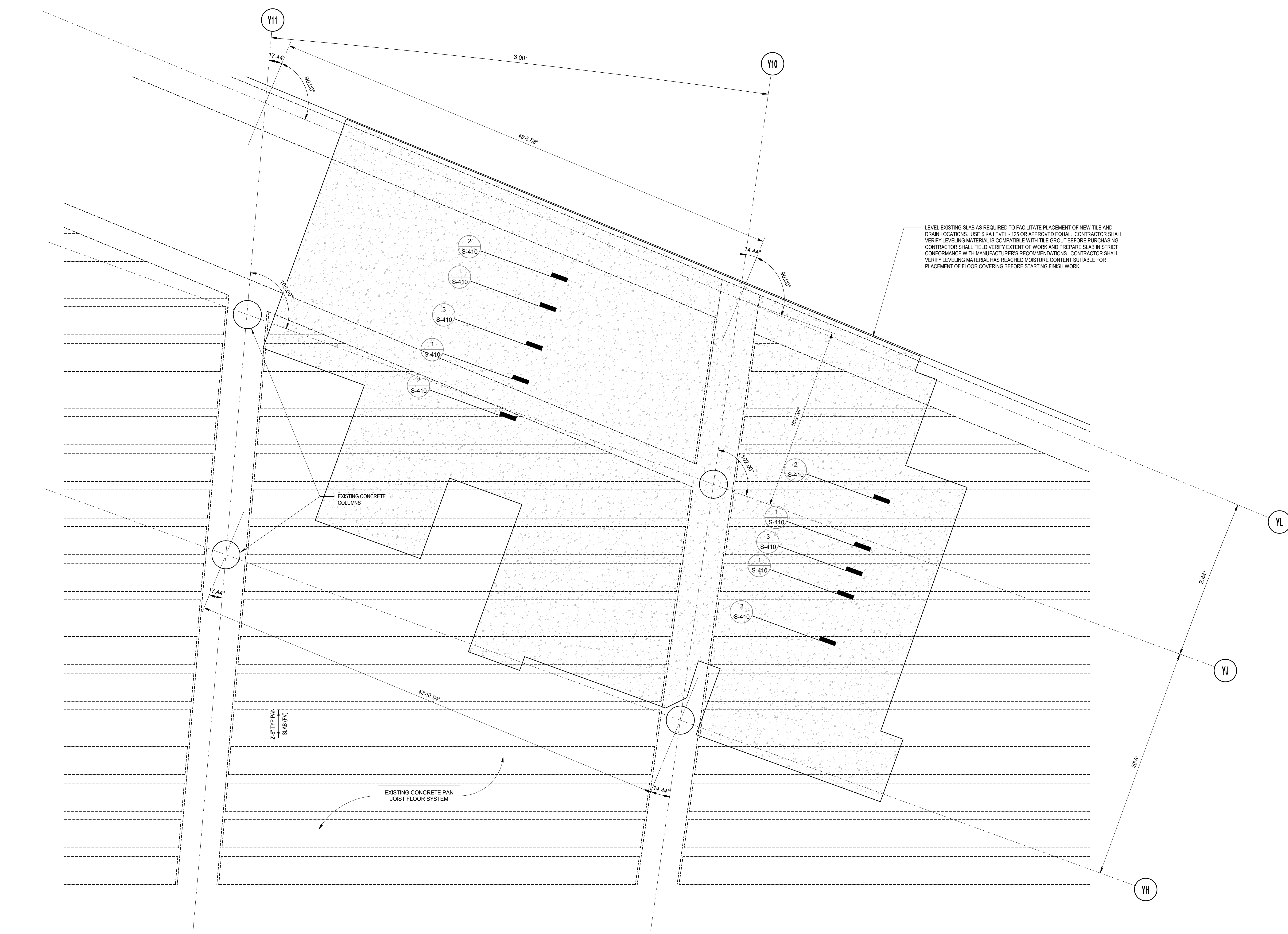
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PARTIAL FLOOR FRAMING PLAN - GATE 20-23
RESTROOMS

SHEET No. S-101 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

- 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.

LEVEL EXISTING SLAB AS REQUIRED TO FACILITATE PLACEMENT OF NEW TILE AND DRAIN LOCATIONS. USE SIKKA LEVEL - 125 OR APPROVED EQUAL. CONTRACTOR SHALL VERIFY LEVELING MATERIAL IS COMPATIBLE WITH TILE GROUT BEFORE PURCHASING. CONTRACTOR SHALL FIELD VERIFY EXTENT OF WORK AND PREPARE SLAB IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL VERIFY LEVELING MATERIAL HAS REACHED MOISTURE CONTENT SUITABLE FOR PLACEMENT OF FLOOR COVERING BEFORE STARTING FINISH WORK.



A1 PARTIAL FLOOR FRAMING PLAN - GATE 20-23 RESTROOMS
SCALE: 1/4" = 1'-0"

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/200760_Hobby_Airport_Restroom_Reno_Central.rvt

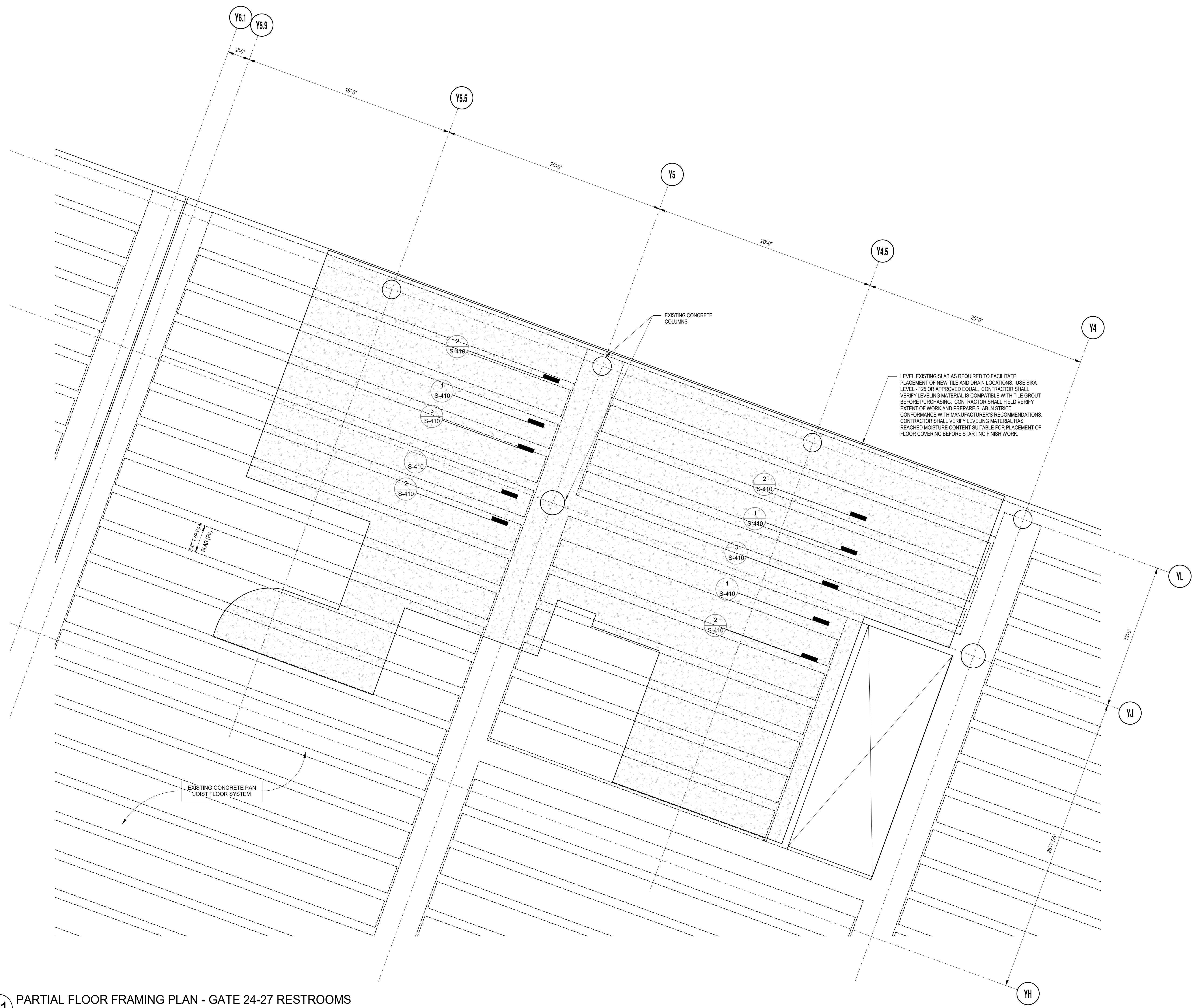
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FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/200760_Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

A1 PARTIAL FLOOR FRAMING PLAN - GATE 24-27 RESTROOMS
SCALE: 1/4" = 1'-0"



- PLAN NOTES:**
1. 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.
 2. 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.
 3. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.

LEVEL EXISTING SLAB AS REQUIRED TO FACILITATE PLACEMENT OF NEW TILE AND DRAIN LOCATIONS. USE SIKA LEVEL-105 OR APPROVED EQUAL. CONTRACTOR SHALL VERIFY LEVELING MATERIAL IS COMPATIBLE WITH TILE GROUT BEFORE PURCHASING. CONTRACTOR SHALL FIELD VERIFY EXTENT OF WORK AND PREPARE SLAB IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL VERIFY LEVELING MATERIAL HAS REACHED MOISTURE CONTENT SUITABLE FOR PLACEMENT OF FLOOR COVERING BEFORE STARTING FINISH WORK.



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REVISIONS

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DIRECTOR
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Henderson Rogers
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TBPE Firm Registration No. 8755

SHEET NAME:
PARTIAL FLOOR FRAMING PLAN - GATE 24-27
RESTROOMS

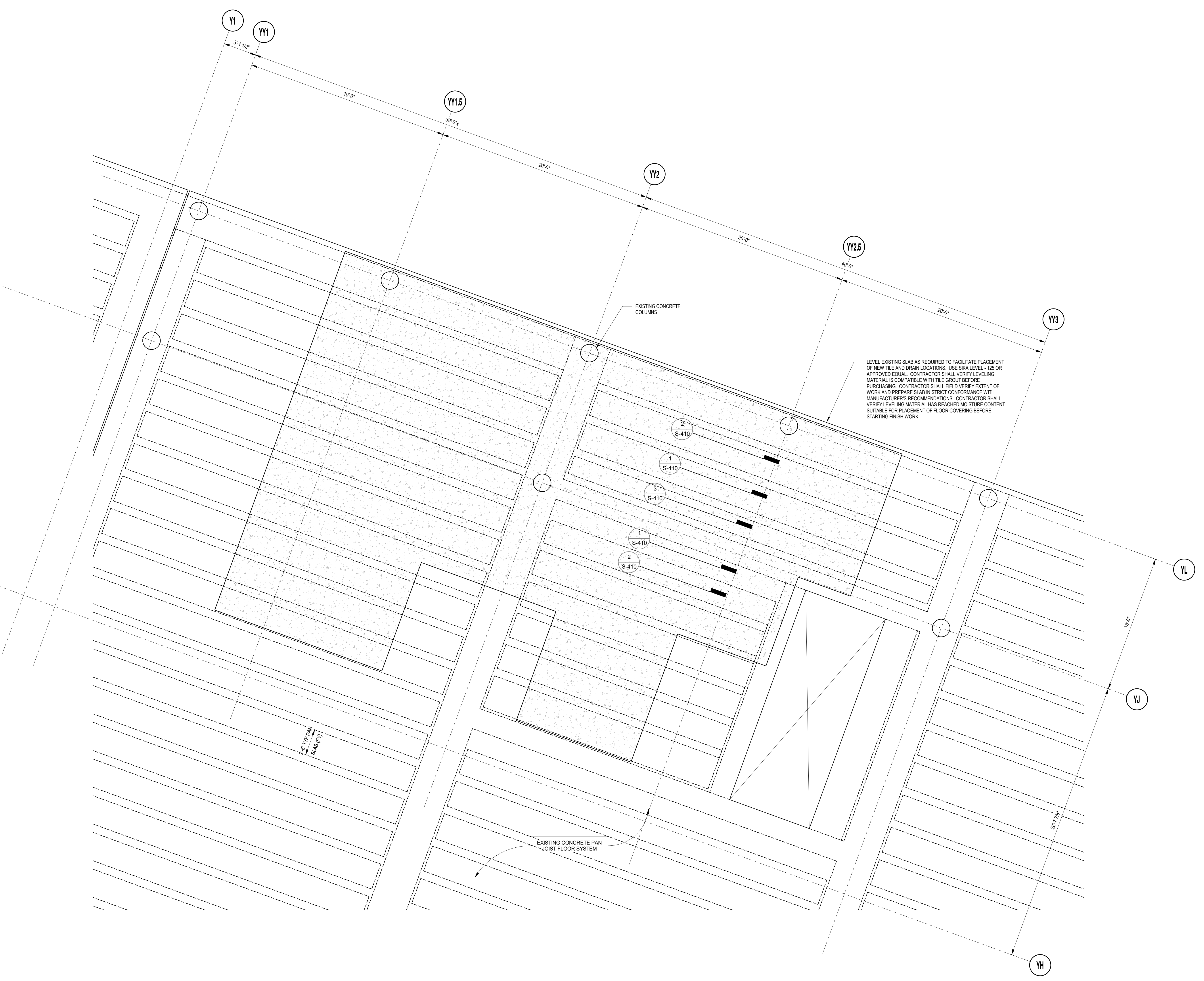
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OLD DOA No. :
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FILE PATH: BIM 360/[1429.06 Hobby Airport Restroom Renovations/200760_Hobby_Airport_Restroom_Reno_Central.rvt
HAS FILE:

A1 PARTIAL FLOOR FRAMING PLAN - GATE 28-32 RESTROOMS
SCALE: 1/4" = 1'-0"



- PLAN NOTES:**
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Henderson Rogers
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TBPE Firm Registration No. 8755

STATE OF TEXAS
PRASHANT MUZUMDAR
104723
Professional Seal
03/22/2022

SHEET NAME:
PARTIAL FLOOR FRAMING PLAN - GATE 28-32 RESTROOMS

SHEET No. S-103 SCALE: As indicated

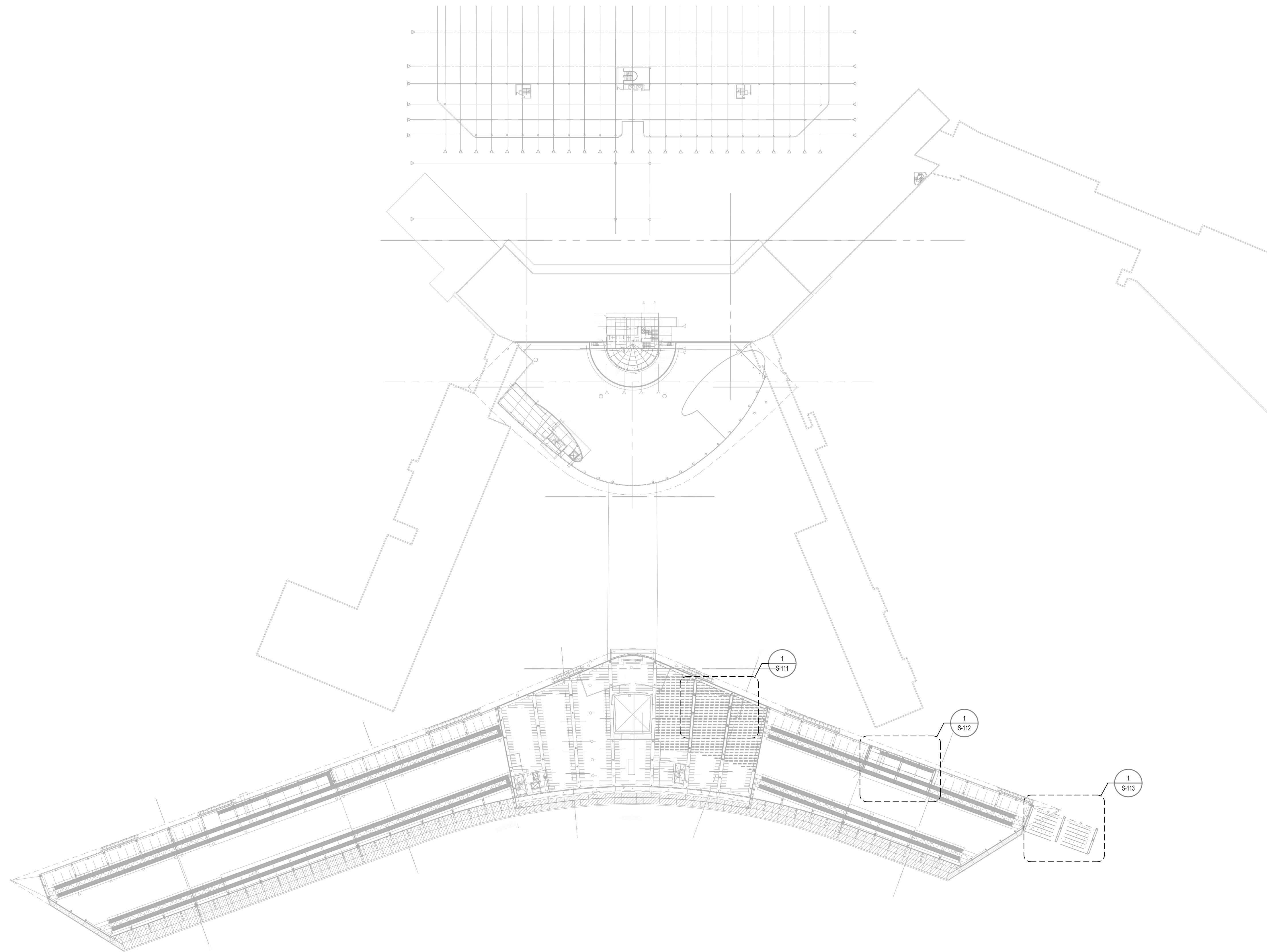
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PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
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FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/200760_Hobby_Airport_Restroom_Reno_Central.rvt

HAS FILE:

A1 OVERALL FLOOR PLAN - LEVEL 3
SCALE: 1/64" = 1'-0"



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SHEET NAME: OVERALL FLOOR PLAN - LEVEL 3

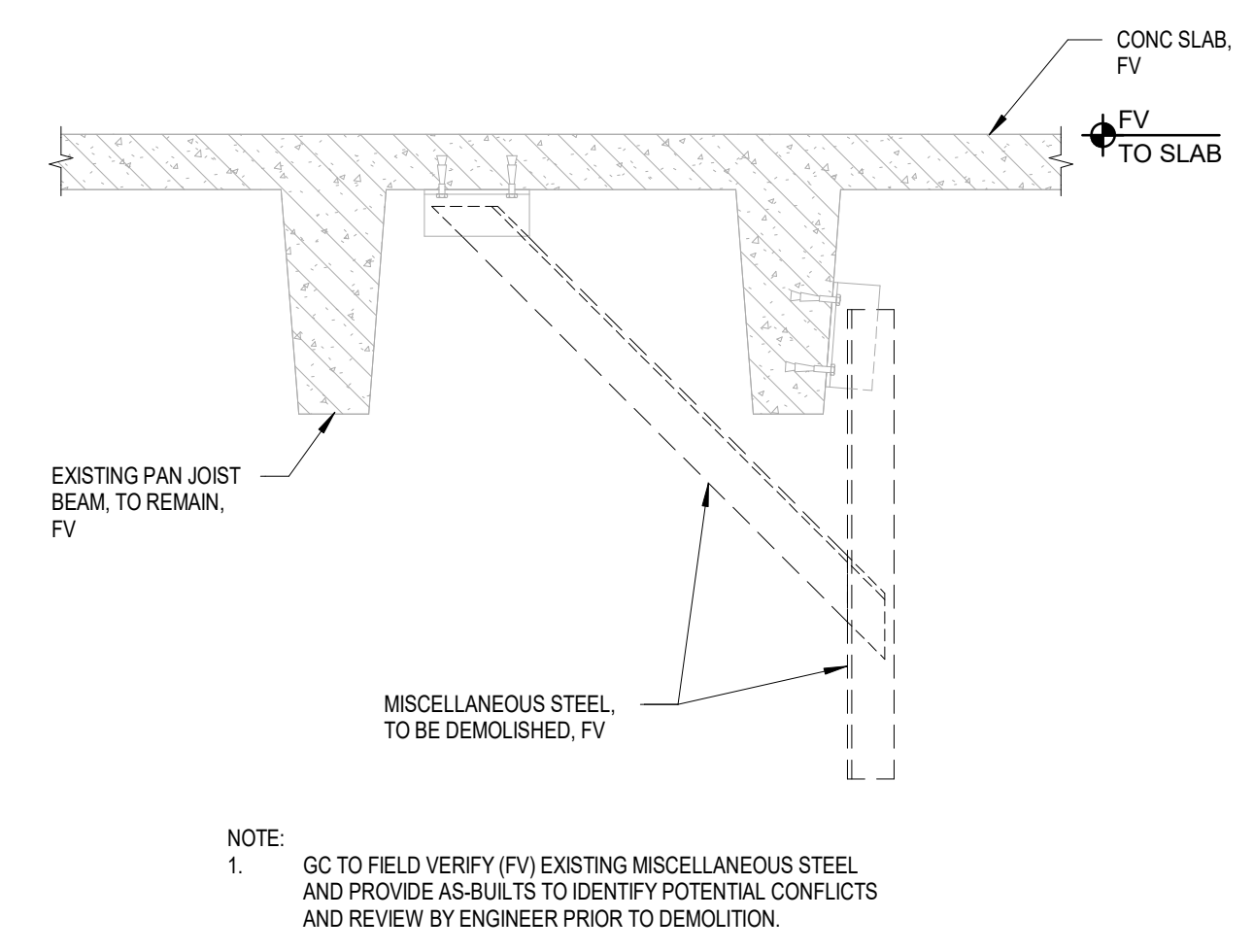
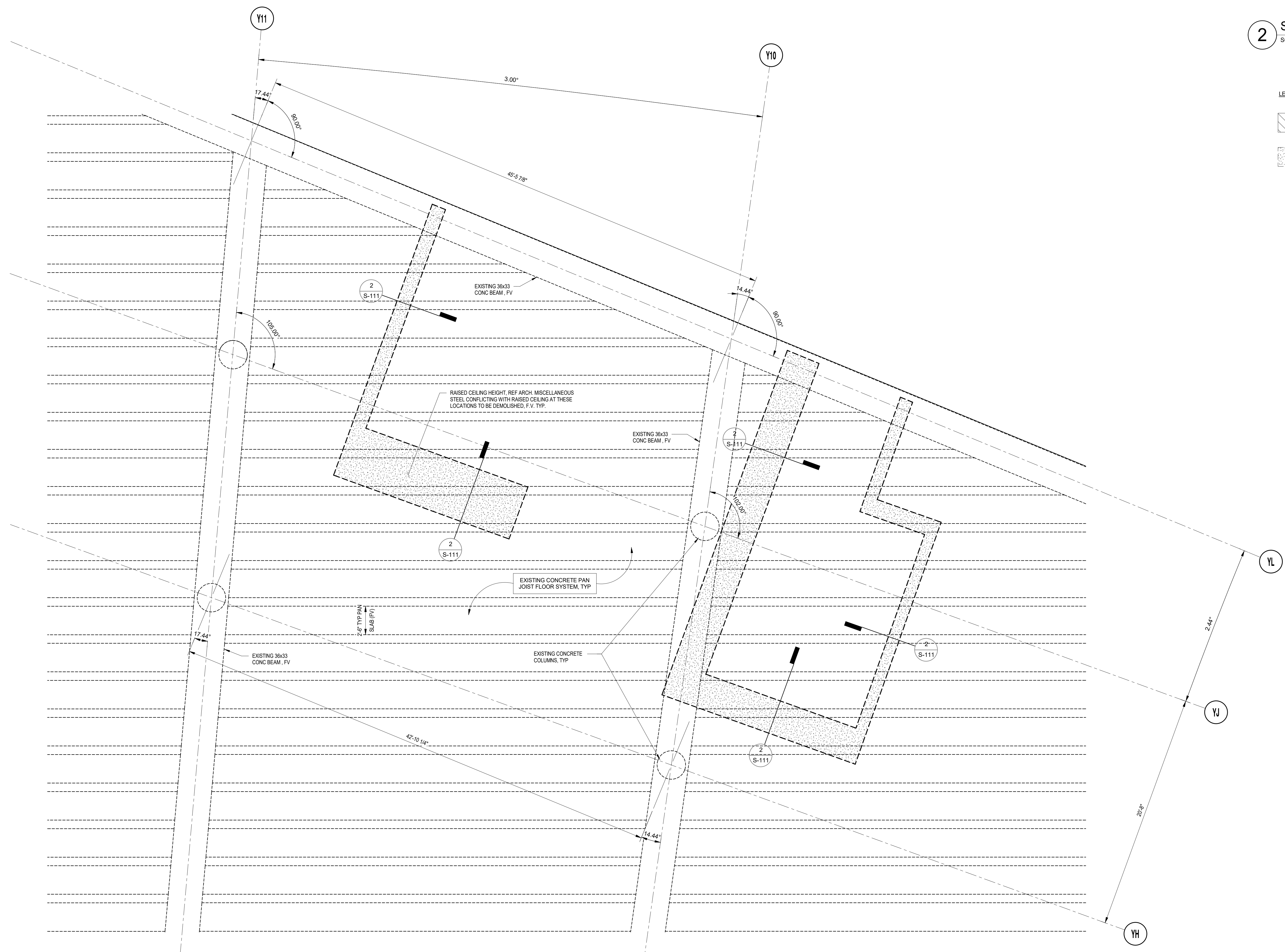
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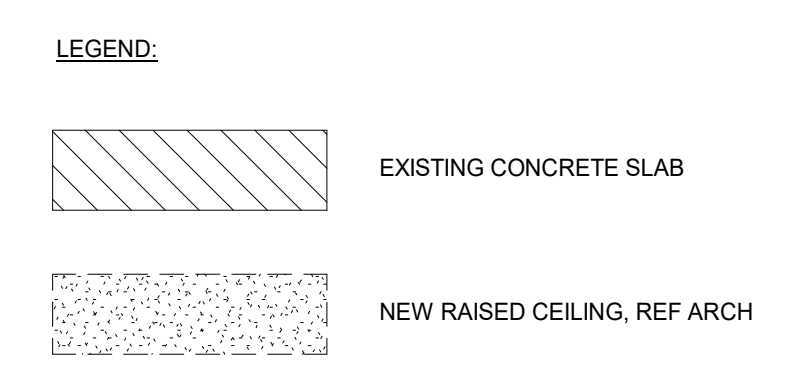
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1 PARTIAL FLOOR FRAMING DEMO PLAN - AT LEVEL 3 GATE 20-23 RESTROOMS
SCALE: 1/4" = 1'-0"



2 SECTION - AT MICELLANEOUS STEEL DEMO
SCALE: 3/4" = 1'-0"



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TBPE Firm Registration No. 8755

STATE OF TEXAS
PRASHANT MUZUMDAR
104723
PROFESSIONAL ENGINEER
03/22/2022

SHEET NAME:
PARTIAL FLOOR FRAMING DEMO PLAN - AT LEVEL 3 GATE 20-23 RESTROOMS
SHEET No. S-111 SCALE: As indicated

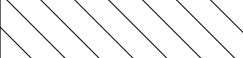
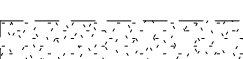
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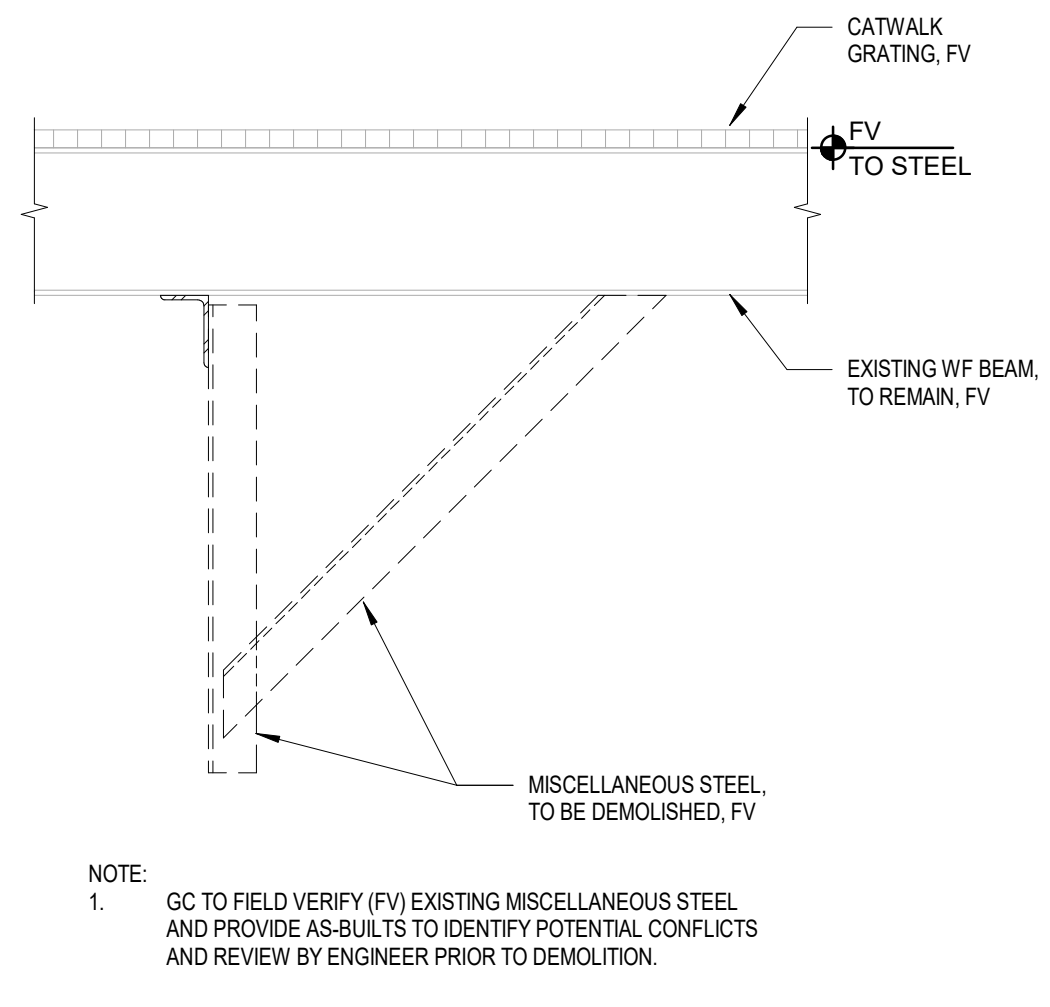
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DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/200760_Hobby_Airport_Restroom_Reno_Central.rvt
HAS FILE:

1 PARTIAL FLOOR FRAMING DEMO PLAN - AT LEVEL 3 GATE 24-27 RESTROOMS
SCALE: 1/4" = 1'-0"

2 SECTION - AT MICELLANEOUS STEEL DEMO
SCALE: 3/4" = 1'-0"

LEGEND:
 EXISTING CONCRETE SLAB
 NEW RAISED CEILING, REF ARCH



MATCHLINE - SECTOR 14

HOUSTON AIRPORTS
7800 Airport Blvd
Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. **PN209A** A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects
ARCHITECTURE PLANNING INTERIORS
1245 W 18th St, Houston, TX 77008
phone 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

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

| REVISIONS | | |
|-----------|--------------------|----------------|
| No. | DESCRIPTION | DATE BY |
| 1 | Issued For Bidding | 03.22.2022 H+R |

DESIGN BY: P. MUZUMDAR
DRAWN BY: R. RODRIGUEZ
CHECKED BY: P. MUZUMDAR
ISSUE DATE: 03/22/2022
APPROVED BY: P. MUZUMDAR
APPROVAL DATE: 03/22/2022

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
PRASHANT MUZUMDAR
104723
PROFESSIONAL ENGINEER
03/22/2022

SHEET NAME: PARTIAL FLOOR FRAMING DEMO PLAN - AT LEVEL 3 GATE 24-27 RESTROOMS
SHEET No. S-112 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



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Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

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HENDERSON ROGERS

structural engineers

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Houston, Texas 77057
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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
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| 1 | Issued For Bidding | 03/22/2022 | H-R |

DESIGN BY: P. MUZUMDAR
 DRAWN BY: R. RODRIGUEZ
 CHECKED BY: P. MUZUMDAR
 ISSUE DATE: 03/22/2022
 APPROVED BY: P. MUZUMDAR
 APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



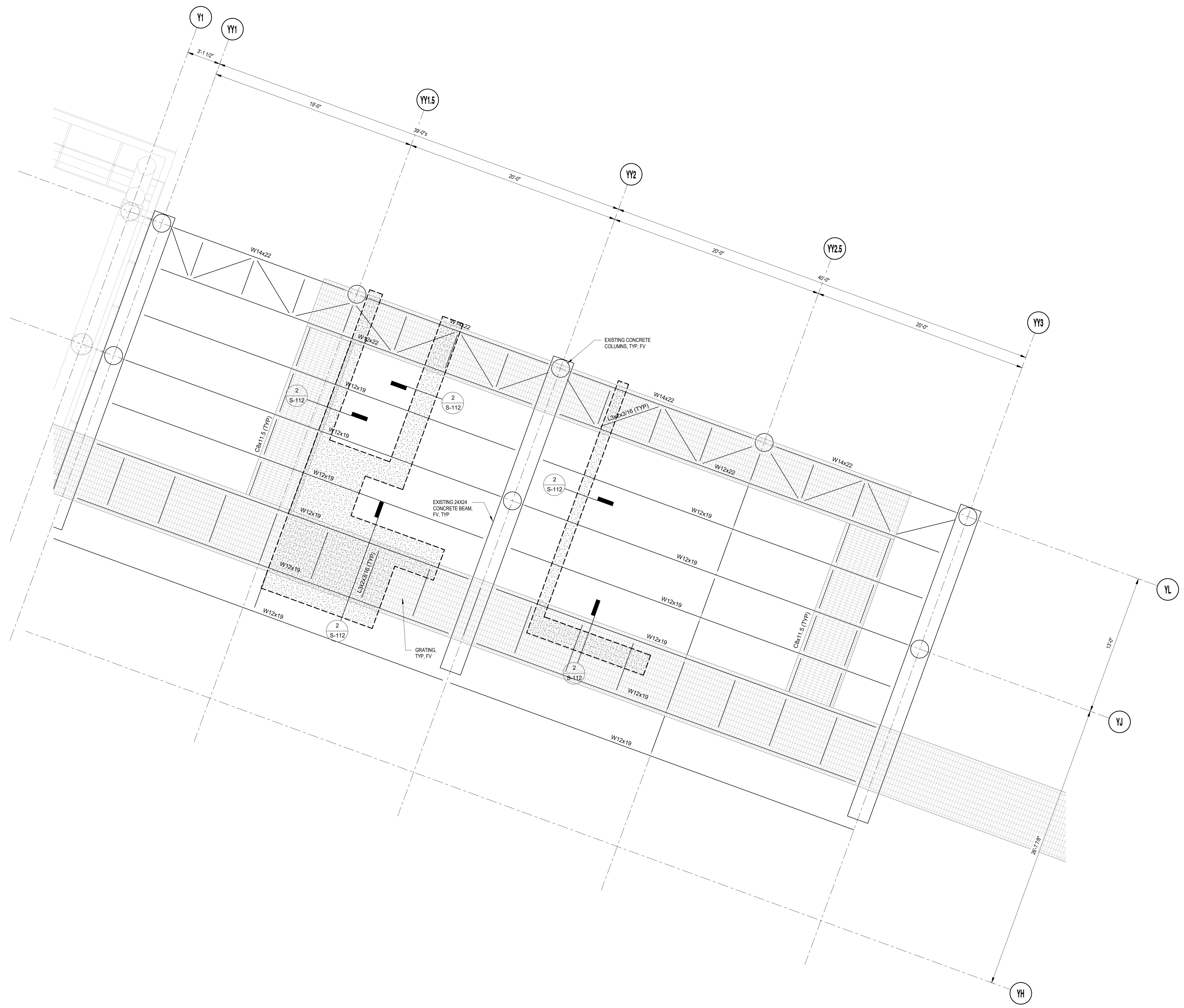
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LEVEL 3 GATE 28-32 RESTROOMS
SHEET No. S-113 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

LEGEND:

EXISTING CONCRETE SLAB

NEW RAISED CEILING, REF ARCH

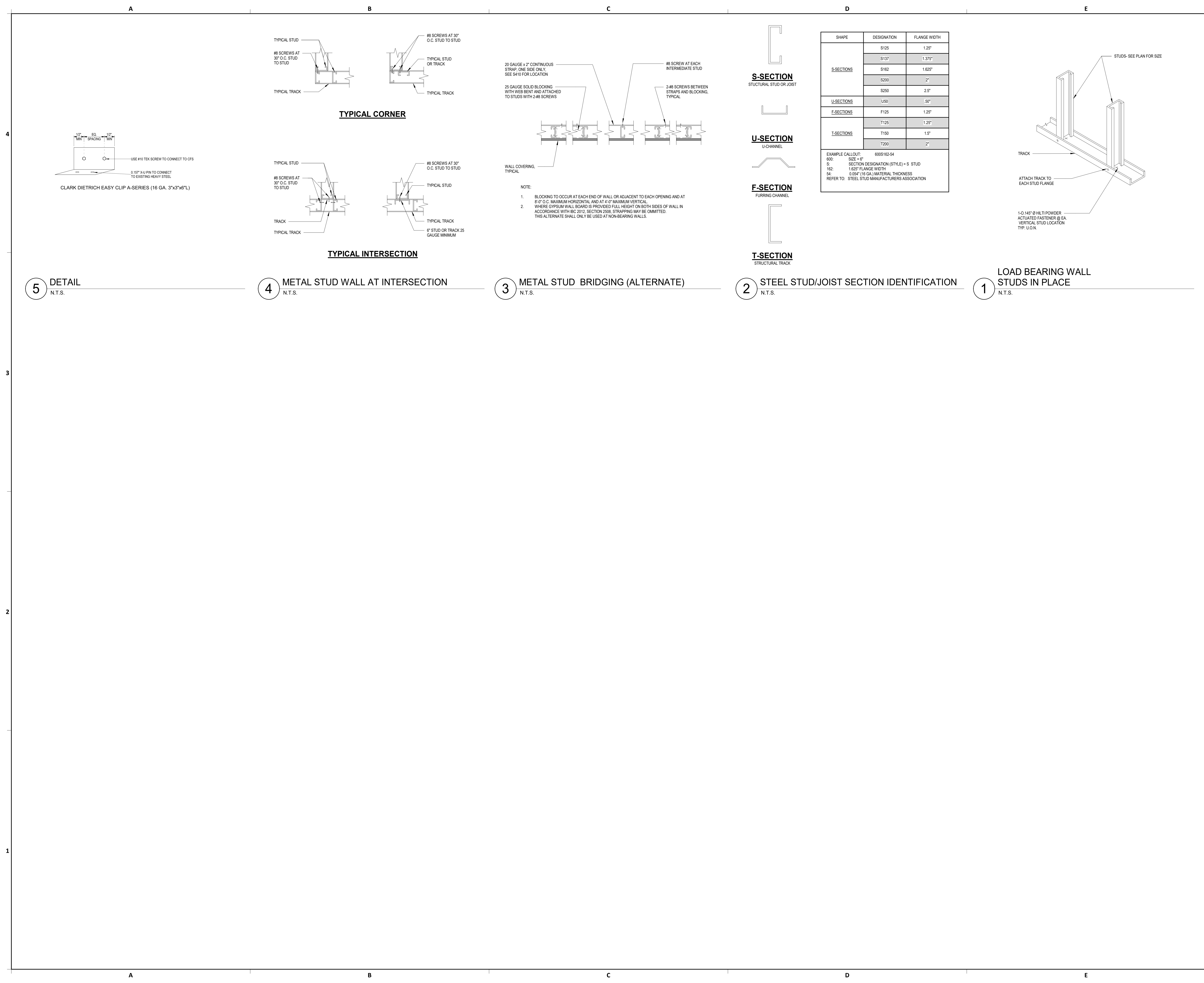


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OLD DOA No. :
PLOT DATE:

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HAS FILE:



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Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. **PNZ09A** A.I.P. No.
C.O.H. No. D.O.A. No.

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**HENDERSON
ROGERS**
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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|------------|-----|
| 1 | Issued For Bidding | 03/22/2022 | H+R |

DESIGN BY: P. MUZUMDAR
DRAWN BY: R. RODRIGUEZ
CHECKED BY: P. MUZUMDAR
ISSUE DATE: 03/22/2022
APPROVED BY: P. MUZUMDAR
APPROVAL DATE: 03/22/2022

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
PRASHANT MUZUMDAR
104723
PROFESSIONAL
ENGINEER
03/22/2022

SHEET NAME: FRAMING TYPICAL DETAILS
SHEET No. S-400 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1

REVISIONS

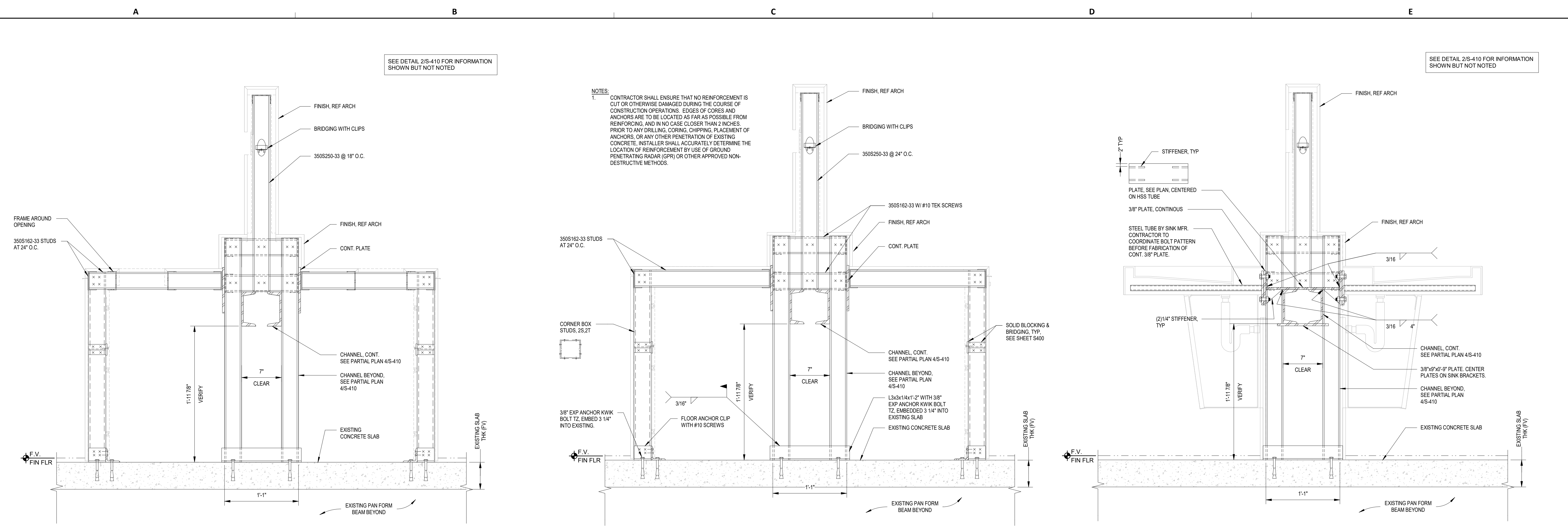
| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|------------|-----|
| 1 | Issued For Bidding | 03.22.2022 | H+R |

DESIGN BY: P. MUZUMDAR
DRAWN BY: R. RODRIGUEZ
CHECKED BY: P. MUZUMDAR
ISSUE DATE: 03/22/2022
APPROVED BY: P. MUZUMDAR
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DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Reviewed/Approval Category
IFB
ISSUED FOR BIDDING

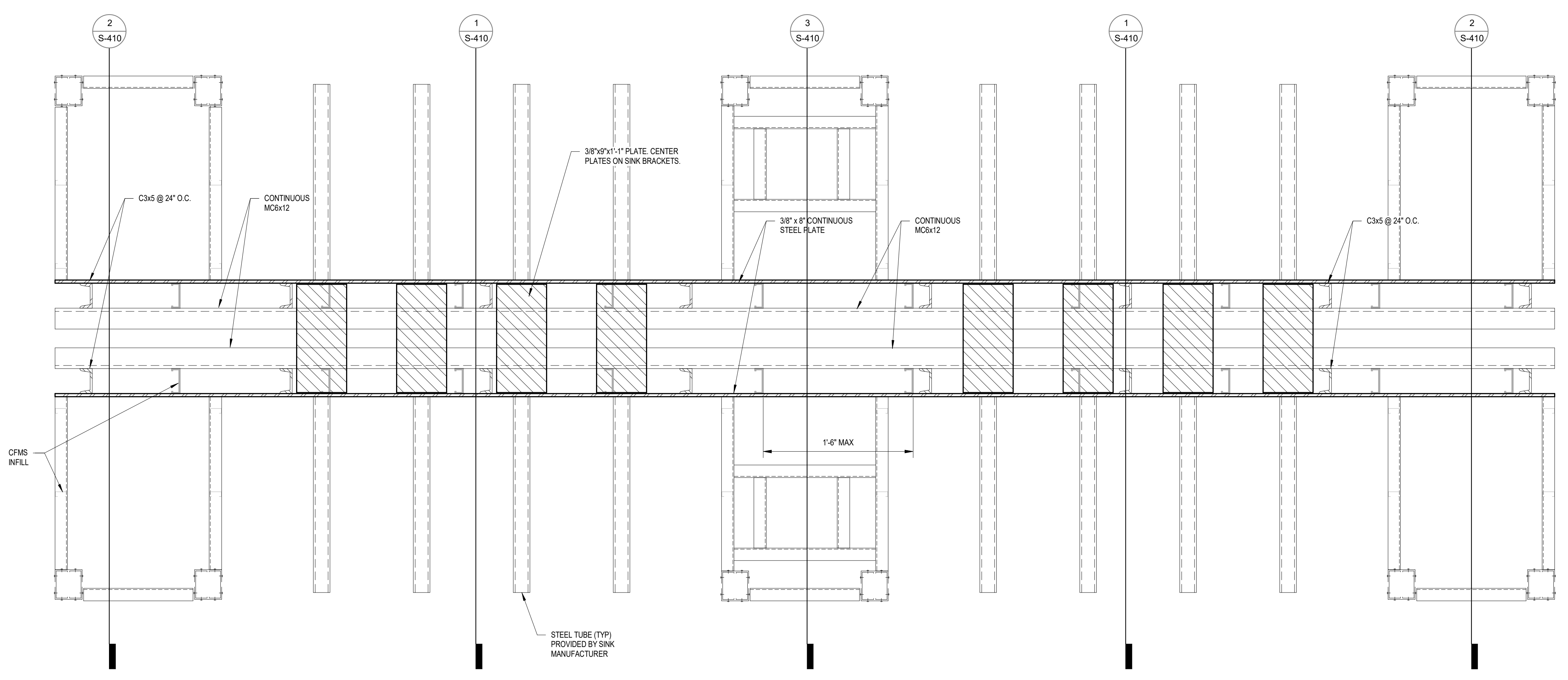
Henderson Rogers
Structural Engineers, LLC
TBPE Firm Registration No. 8755



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

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

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



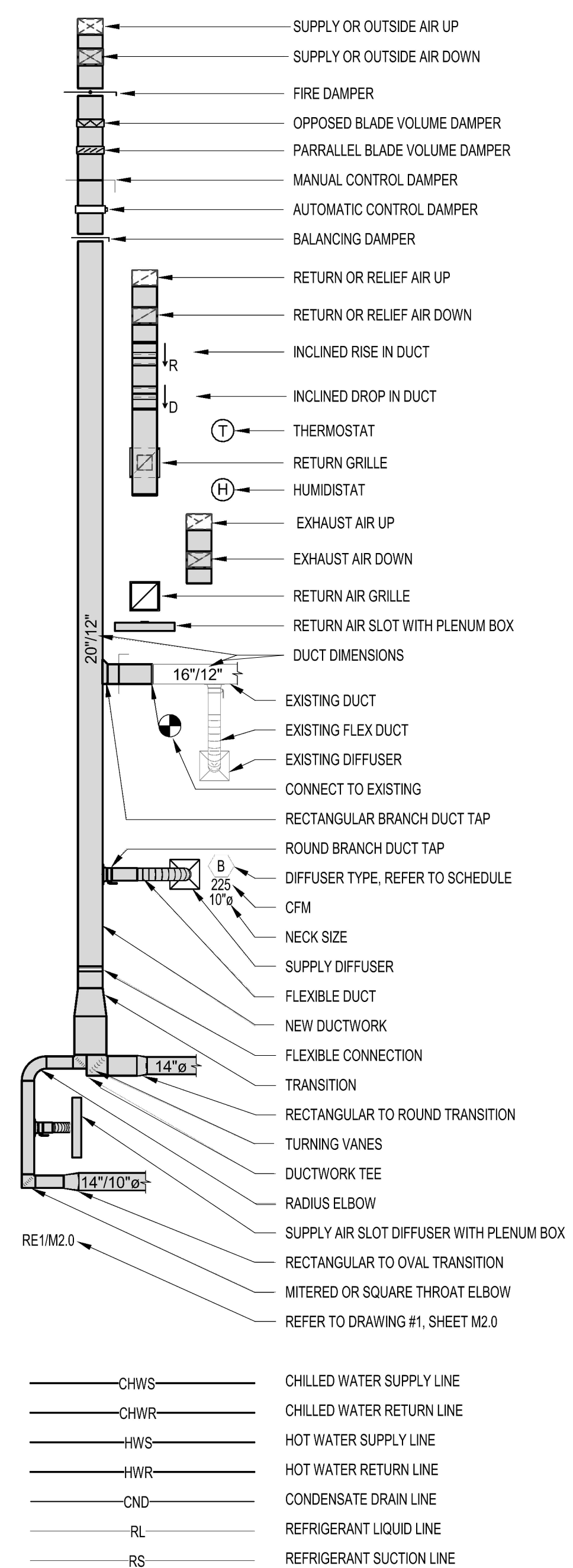
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SCALE: 1 1/2" = 1'-0"

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/200760_Hobby_Airport_Restroom_Reno_Central.rvt
 HAS FILE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:
 PLOT DATE:

MECHANICAL GENERAL NOTES

- 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.
- EXACT LOCATIONS OF TERMINAL BOXES, GRILLES, DAMPERS SHALL BE FIELD COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS AND ALLOW ADEQUATE CLEARANCE AND EASY ACCESS.
- COORDINATE LOCATIONS OF FLOOR AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.
- CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
- 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.
- 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".
- CONTRACTOR SHALL PROVIDE ADEQUATE CLEARANCE AROUND VAV BOXES AS REQUIRED BY MANUFACTURER. COORDINATE EXACT LOCATION WITH OTHER TRADES.
- 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.
- 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.
- INSTALL TERMINAL BOXES TO ENSURE ACCESS PANELS ARE NOT BLOCKED. MAINTAIN MINIMUM 4'-0" FOR CONTROL PANEL ACCESS.
- NO PIPE HANGERS SHALL BE SPACED MORE THAN 10'-0". COMPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPE SUPPORT SPECIFICATION.
- CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL, AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION.
- EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER DRAWINGS AND CUTSHEETS BEFORE FABRICATION OF DUCTWORK, PIPING, OR POURING OF CONCRETE HOUSEKEEPING PAIS.
- 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.
- COORDINATE EXACT LOCATION, FINISH, AND COLOR OF ALL AIR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL EXPOSED DUCTWORK SHALL BE DOUBLE WALL INSULATED.
- 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.
- 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.
- PROVIDE SPIN-IN CONNECTION WITH LOCKING QUADRANT BUTTERFLY FOR ALL ROUND DUCTWORK CONNECTED TO RECTANGULAR DUCT.
- DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS.
- ALL LOW PRESSURE DUCTWORK AND ASSOCIATED ACCESSORIES SHALL BE CONSTRUCTED TO MEET THE LATEST SMACNA STANDARDS FOR MEDIUM AND LOW PRESSURE DUCTWORK.
- PROVIDE AIRFOIL TYPE TURNING VANES IN ALL 90 DEGREE ELBOWS.
- FASTEN AND SEAL ALL DUCTWORK, JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS PER ASHRAE 90.1 SECTION 6.4.2.1. DUCT SEALANT SHALL BE INSPECTED PRIOR TO DUCTWORK BEING INSULATED.
- 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.
- PROVIDE REMOTE SPIN-IN CONNECTION FOR ALL ROUND DUCTWORK CONNECTED TO RECTANGULAR DUCT LOCATED ABOVE A HARD CEILING.
- 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 SEQUENCEMENT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOB SITE 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.
- COORDINATE ALL MOUNTING LOCATIONS AND HEIGHTS OF AIR DEVICES WITH ARCHITECT PRIOR TO FINAL INSTALLATION.
- AFTER THE HYDRONIC SYSTEM FLUSH IT IS THE MECHANICAL CONTRACTORS RESPONSIBILITY TO PROVE ALL BYPASS LOOPS ON ALL OF THE COOL 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



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. |

ENERGY CODE NOTES

- DUCT SEALING, DUCTWORK AND PLENUMS SHALL BE SEALED IN ACCORDANCE WITH THE 2015 IECC AND 2012 UMC.
 - BALANCING SYSTEM SHALL BE BALANCED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS (NEBB, AABC, OR ASHRAE 111). AIR SYSTEMS SHALL BE IN A MANNER TO PREVENT THROTTLING LOSSES. THEN FOR FANS WITH FAN SYSTEM POWER GREATER THAN 1 HP, FAN SPEED SHALL BE ADJUSTED TO MEET DESIGN FLOW CONDITIONS.
 - ENERGY CODE COMPLETION REQUIREMENTS.
- DRAWINGS CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT 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 SHUTOFFDOWN
 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 24 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 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:
- 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 5 PERM. ALL JOINTS TO BE SEALED.
 - 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.
 - 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 |
|------------|---|
| MG001 | MECHANICAL ABBREVIATIONS, LEGENDS AND NOTES |
| MG100 | MECHANICAL OVERALL RENOVATION PLAN - LEVEL 2 |
| MD101 | MECHANICAL DEMOLITION PLAN - GATE 20-23 RESTROOMS |
| MD102 | MECHANICAL DEMOLITION PLAN - GATE 24-27 RESTROOMS |
| MD103 | MECHANICAL DEMOLITION PLAN - GATE 28-32 RESTROOMS |
| MH101 | MECHANICAL RENOVATION PLAN - GATE 20-23 RESTROOMS |
| MH102 | MECHANICAL RENOVATION PLAN - GATE 24-27 RESTROOMS |
| MH103 | MECHANICAL RENOVATION PLAN - GATE 28-32 RESTROOMS |



7800 Airport Blvd
Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

| | | | |
|------------|--------|------------|--|
| C.I.P. No. | PN466B | A.I.P. No. | |
| C.O.H. No. | | D.O.A. No. | |

RDLR Architects
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800 Sampson St. #104
Houston, TX 77003



Consulting Mechanical/Electrical/Plumbing Engineers
9820 Wilshire Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

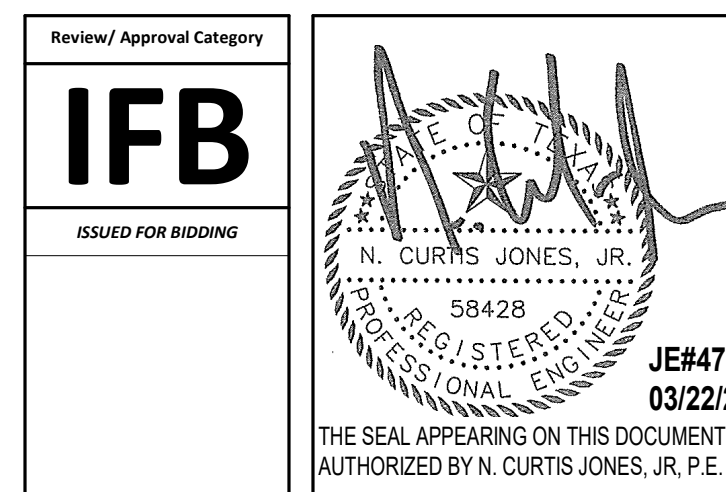
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: MINAHIL SAMEE
 DRAWN BY: MINAHIL SAMEE
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME: MECHANICAL ABBREVIATIONS, LEGENDS AND NOTES
 SHEET No. MG001 SCALE: 12" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
 HAS FILE:
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PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

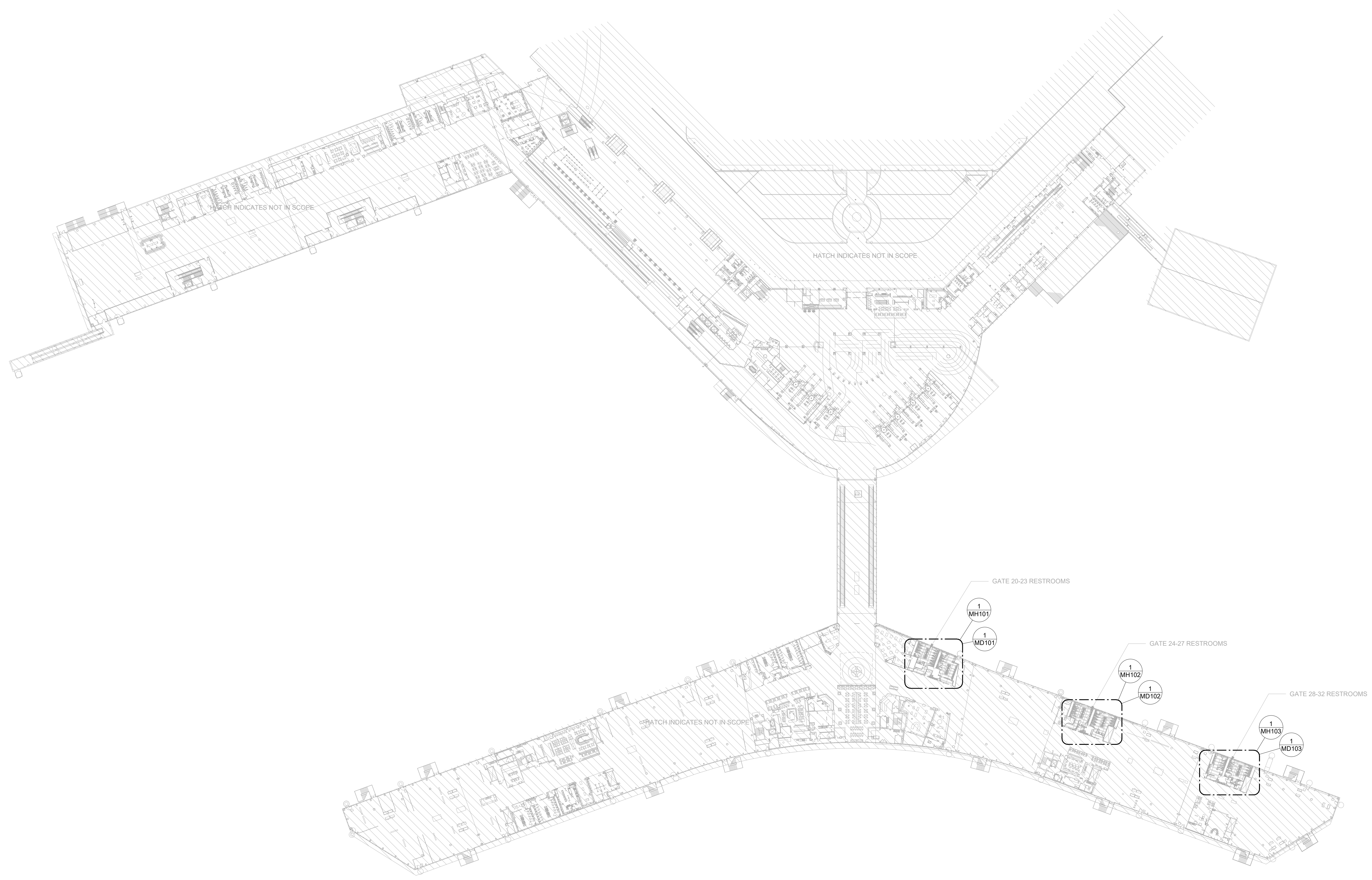
FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

A B C D E

A B C D E

1 MECH OVERALL FLOOR PLAN - LEVEL 2
1/6" = 1'-0"



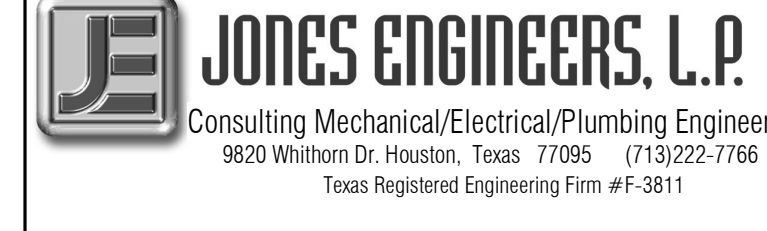
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Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
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RDLR Architects
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800 Sampson St. #104 713.868.3121
Houston, TX 77003 www.rdlr.com



DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

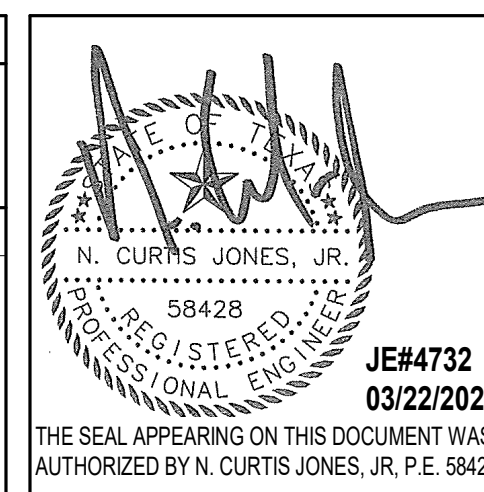
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: MINAHIL SAMEE
DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING



SHEET NAME:
MECHANICAL OVERALL RENOVATION PLAN -
LEVEL 2
SHEET No. MG100 SCALE: 1/64" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



7800 Airport Blvd
Houston, TX 77061

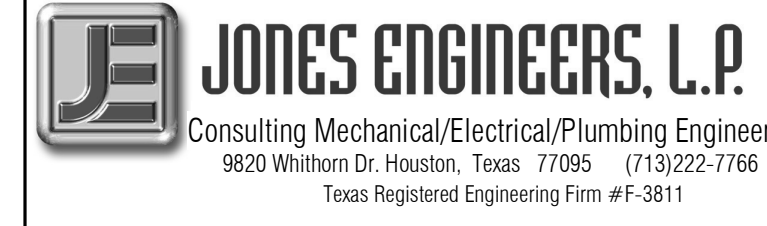
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
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Houston, TX 77003 www.rdlr.com



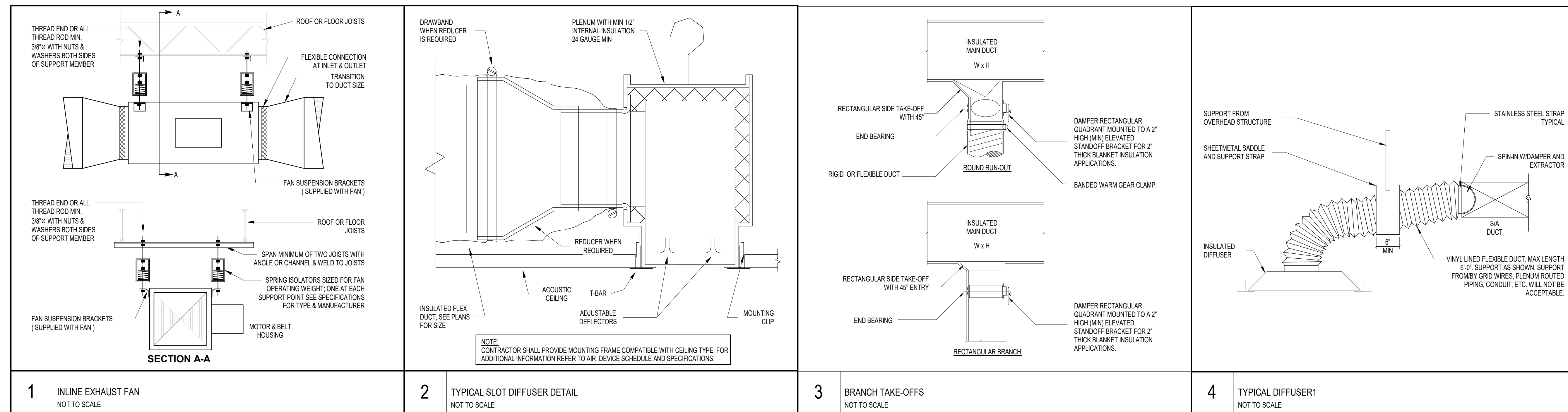
Consulting Mechanical/Electrical/Plumbing Engineers
5820 Wilshire Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

| FAN SCHEDULE | | | | | | | | | | | | |
|--------------|-----------|-----------------|----------------|----------|------|----------------|-----------------|------|---------|-------|-------|-----------|
| MARK | MANU. | MODEL | AREA(S) SERVED | FAN TYPE | CFM | E.S.P. IN W.G. | ELECTRICAL DATA | | | | NOTES | |
| | | | | | | | HP | RPM | VOLTAGE | PHASE | | FREQUENCY |
| EF-C203 | GREENHECK | SD-18-07-070-VG | RESTROOM | INLINE | 5000 | 0.5 | 2.0 | 1635 | 480 | 3 | 60 | ALL |
| EF-C202 | GREENHECK | SD-18-07-070-VG | RESTROOM | INLINE | 5000 | 0.5 | 2.0 | 1635 | 480 | 3 | 60 | ALL |
| EF-C106 | GREENHECK | SD-18-07-070-VG | RESTROOM | INLINE | 5000 | 0.5 | 2.0 | 1635 | 480 | 3 | 60 | ALL |

NOTES:
 1. EXTERNAL STATIC PRESSURE DOES NOT ACCOUNT FOR LOSSES DUE TO FILTERS, HOUSING, NOR ACCESSORIES.
 2. PROVIDE FAN WITH MOTOR RATED TOGGLE SWITCH VARI-GREEN DIAL MOUNTED ON EXTERIOR OF FAN HOUSING, AND VIBRATION ISOLATORS.
 3. 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 | NOTES | |
| | | | | | | | | 1 | 2 |
| A | TITUS | | WHITE ALUMINUM SQUARE TO ROUND ADAPTER, 12X12 FACE MAY BE USED IN HARD CEILINGS FOR AIRFLOWS LESS THAN 150 CFM | 24 x 24 | 150 CFM | 6" | 30 | ALL | |
| C | TITUS | | SUPPLY LINEAR AIR DEVICE, WHITE ALUMINUM, 1" SLOT WITH PATTERN CONTROLLER, PROVIDE WITH PLENUM AND EXPOSED FRAME FOR SIDEWALL APPLICATION. | 4' x 8' | 100 CFM | 8" | 30 | ALL | |
| X | TITUS | | EXHAUST LINEAR AIR DEVICE, ALUMINUM, 1 1/2" SLOT WITH PATTERN CONTROLLER, PROVIDE WITH PLENUM AND EXPOSED FRAME FOR SIDEWALL APPLICATION. | 4' x 8' | 350 CFM | 10" | 30 | ALL | |
| X2 | TITUS | | EXHAUST GRILLE | | 300 CFM | | | | |
| X3 | TITUS | | EXHAUST GRILLE | | 300 CFM | | | | |

REMARKS:
 1. 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 TRIMMING FOR SQUARE CONE DIFFUSERS LOCATED WITHIN GYPSUM BOARD CEILINGS.
 2. 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.
 3. PROVIDE SECTIONING BAFFLES IN SUPPLY AIR DEVICES TO DIRECT AIR AS INDICATED ON FLOOR PLANS.
 4. DUCT RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS SCHEDULED NECK DIAMETER.
 5. 4 FT LONG PLENUM WITH 8" INLET CFM AS INDICATED ON PLAN.

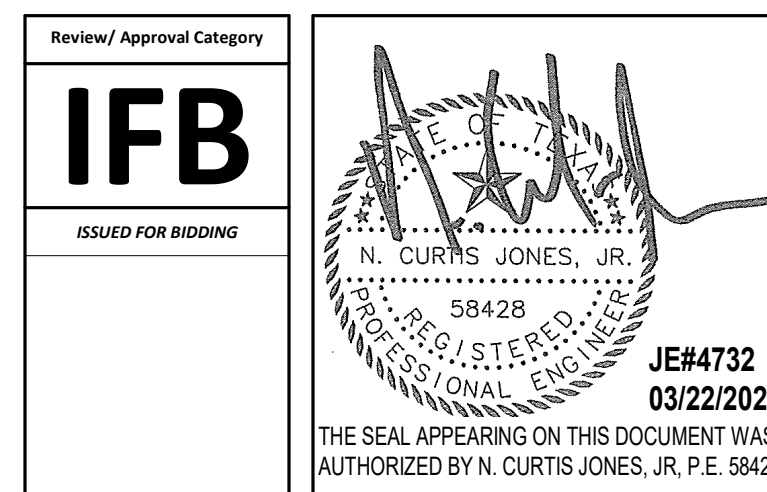


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DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
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APPROVAL DATE: 03/22/2022

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SHEET NAME: MECHANICAL SCHEDULE AND DETAILS
SHEET No. MG301 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
HAS FILE:
PLOT DATE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No.:



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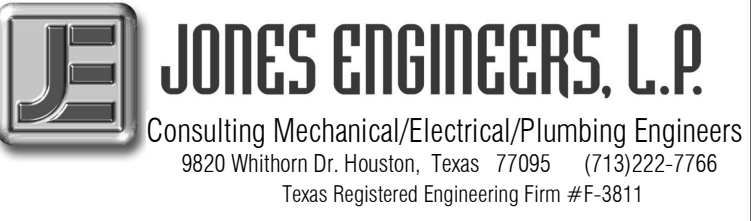
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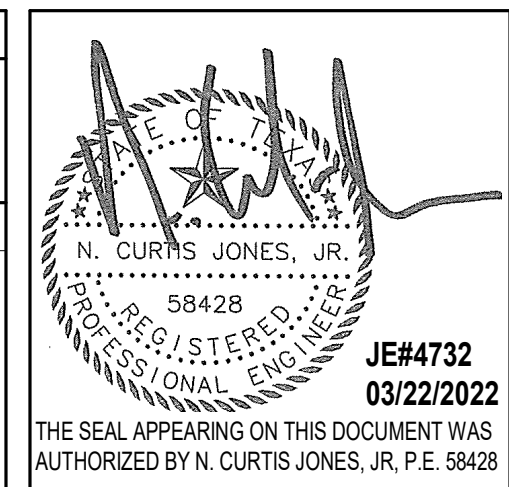
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| 1 | Issue for Bidding | 03.22.22 | JE |

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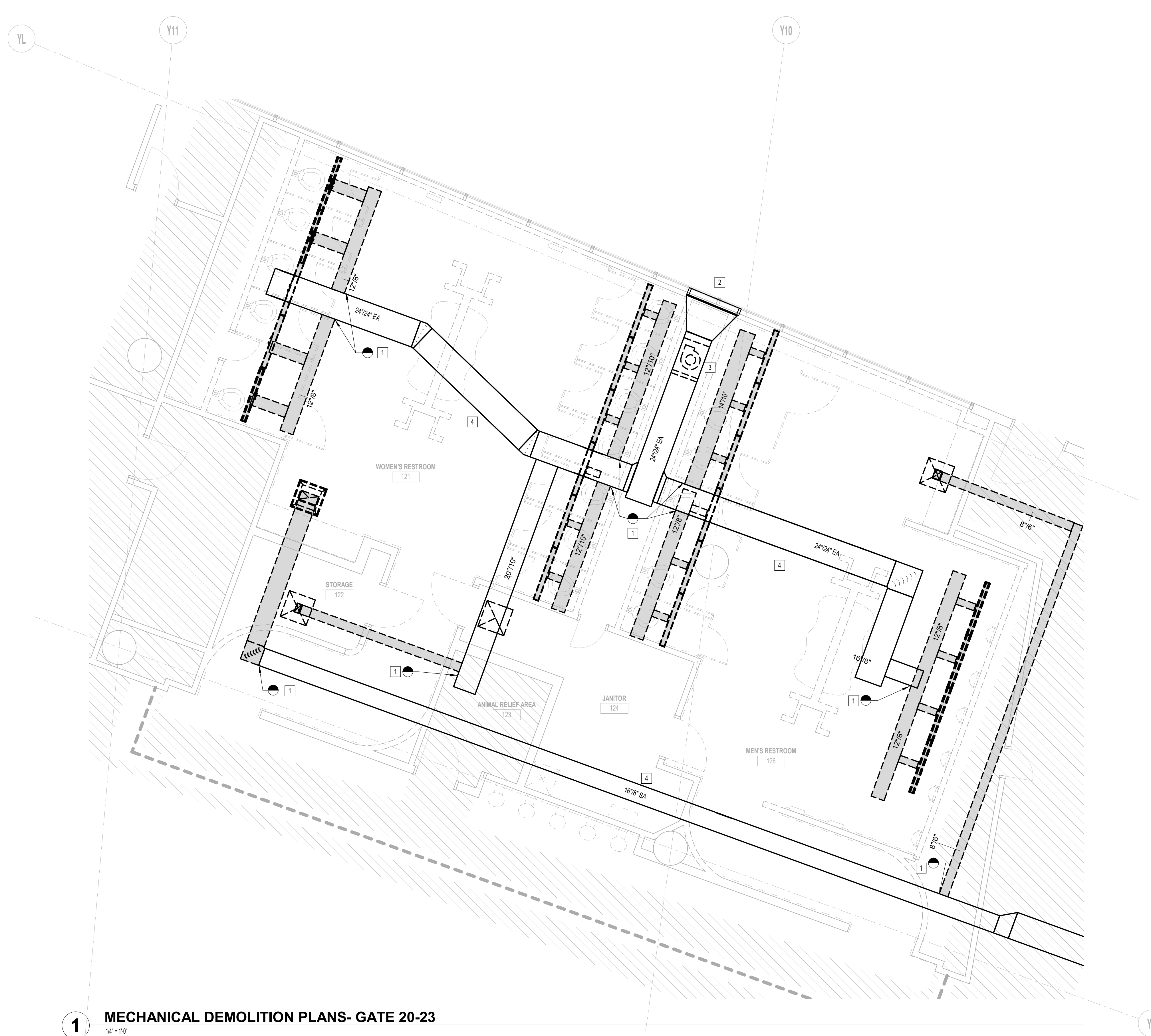
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SHEET NAME: MECHANICAL DEMOLITION PLAN - GATE 20-23 RESTROOMS
 SHEET No. MD101 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

| # | KEY NOTE |
|---|---|
| 1 | POINT OF DEMOLITION. DEMOLISH ALL DOWNSTREAM DUCTWORK AND AIR DEVICES AND REMOVE. |
| 2 | EXISTING 48/24 LOUVER TO REMAIN. |
| 3 | DEMOLISH EXISTING EXHAUST FAN AND REMOVE. COORDINATE WITH ELECTRICAL CONTRACTOR. |
| 4 | SUPPLY/EXHAUST TRUNK DUCT IS EXISTING TO REMAIN. |



1 MECHANICAL DEMOLITION PLANS- GATE 20-23
1/4" = 1'-0"

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
 HAS FILE:

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:



1 MECHANICAL DEMOLITION PLAN - GATE 24-27
1/4" = 1'-0"

| KEYED NOTES | |
|-------------|--|
| # | KEY NOTE |
| 1 | POINT OF DEMOLITION. DEMOLISH ALL DOWNSTREAM DUCTWORK AND AIR DEVICES AND REMOVE. |
| 2 | SUPPLY/EXHAUST TRUNK DUCT IS EXISTING TO REMAIN. |
| 3 | DEMOLISH EXISTING EXHAUST FAN IN MECHANICAL ROOM BELOW AND REMOVE. COORDINATE WITH ELECTRICAL CONTRACTOR. ALL DUCT ACCESSORIES, DUCTWORK, AND LOWERS ARE EXISTING TO REMAIN. REFER TO MH102 FOR WORK TO BE DONE. |



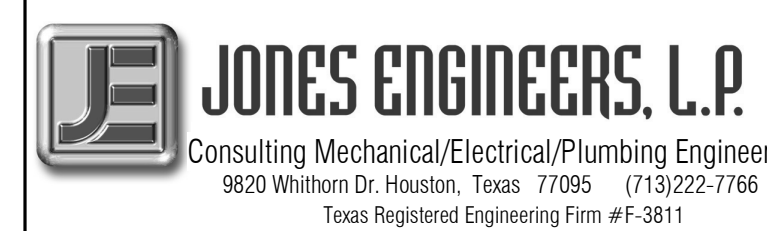
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| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: REESE LAWSON
DRAWN BY: REESE LAWSON
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

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03/22/2022
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SHEET NAME:
MECHANICAL DEMOLITION PLAN - GATE
24-27 RESTROOMS

SHEET No. MD102 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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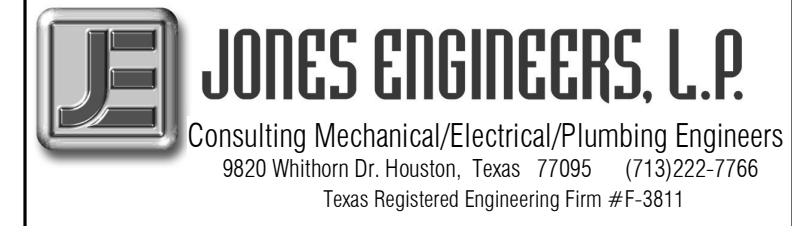
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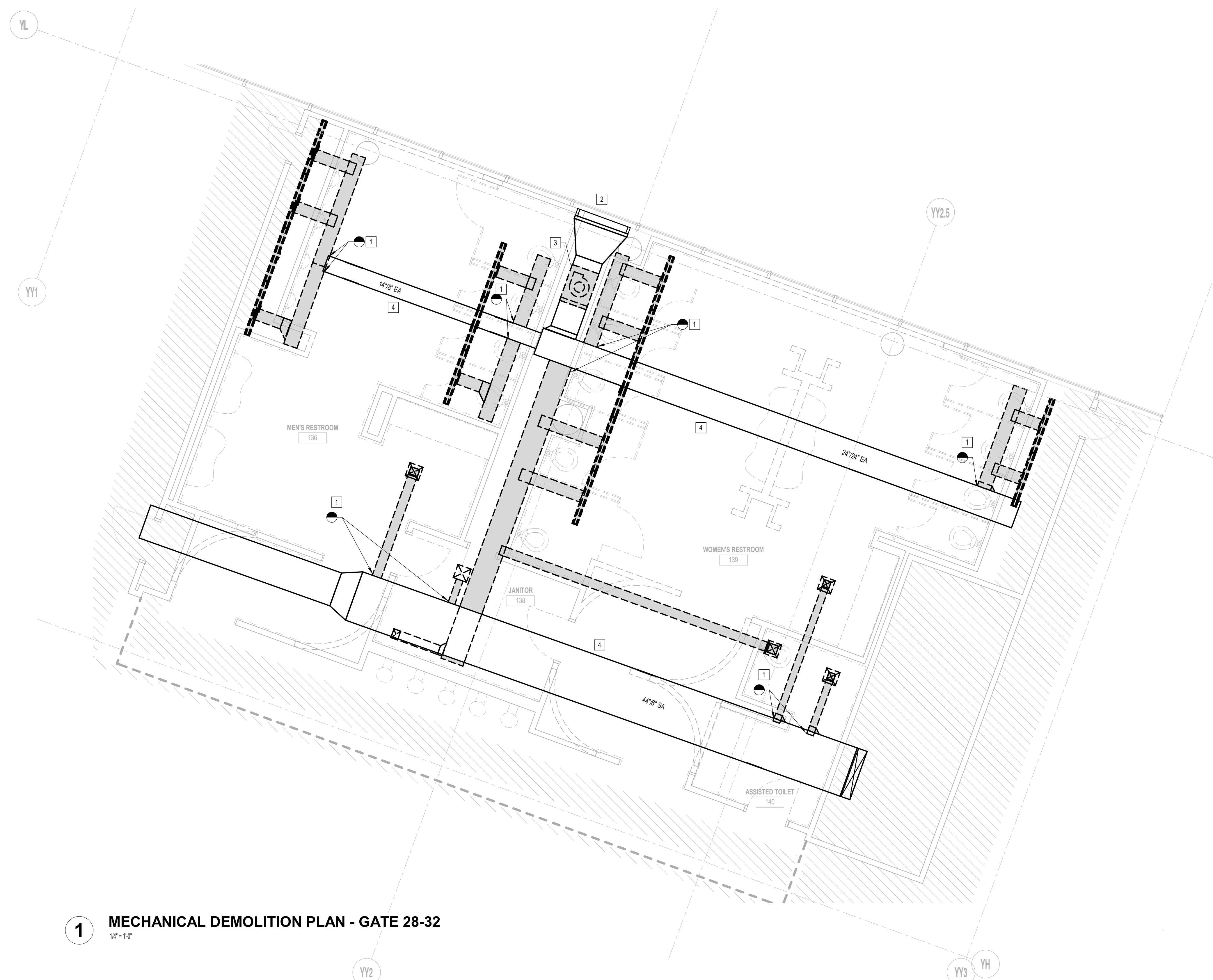
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| KEYED NOTES | |
|-------------|---|
| # | KEY NOTE |
| 1 | POINT OF DEMOLITION. DEMOLISH ALL DOWNSTREAM DUCTWORK AND AIR DEVICES AND REMOVE. |
| 2 | EXISTING 48/24 LOUVER TO REMAIN. |
| 3 | DEMOLISH EXISTING EXHAUST FAN AND REMOVE. COORDINATE WITH ELECTRICAL CONTRACTOR. |
| 4 | SUPPLY/EXHAUST TRUNK DUCT IS EXISTING TO REMAIN. |



1 MECHANICAL DEMOLITION PLAN - GATE 28-32
1/4" = 1'-0"

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

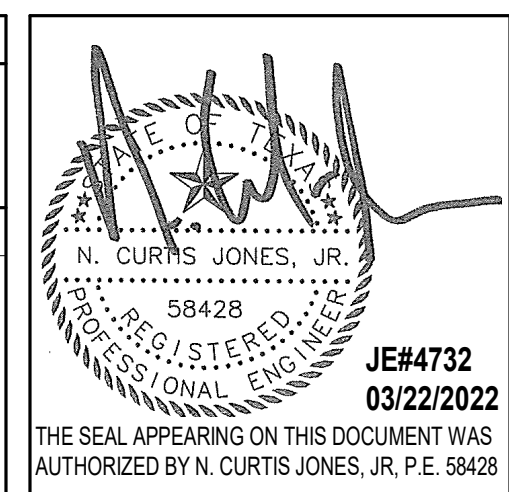
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| 1 | Issue for Bidding | 03.22.22 | JE |

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SHEET NAME: MECHANICAL DEMOLITION PLAN - GATE 28-32 RESTROOMS
SHEET No. MD103 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
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PLOT DATE:
DOA DWG FILE:
OLD DOA No.:



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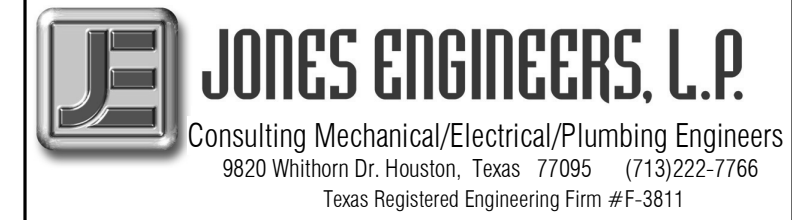
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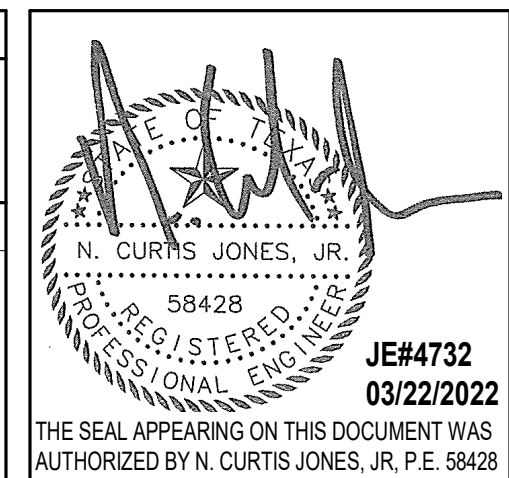
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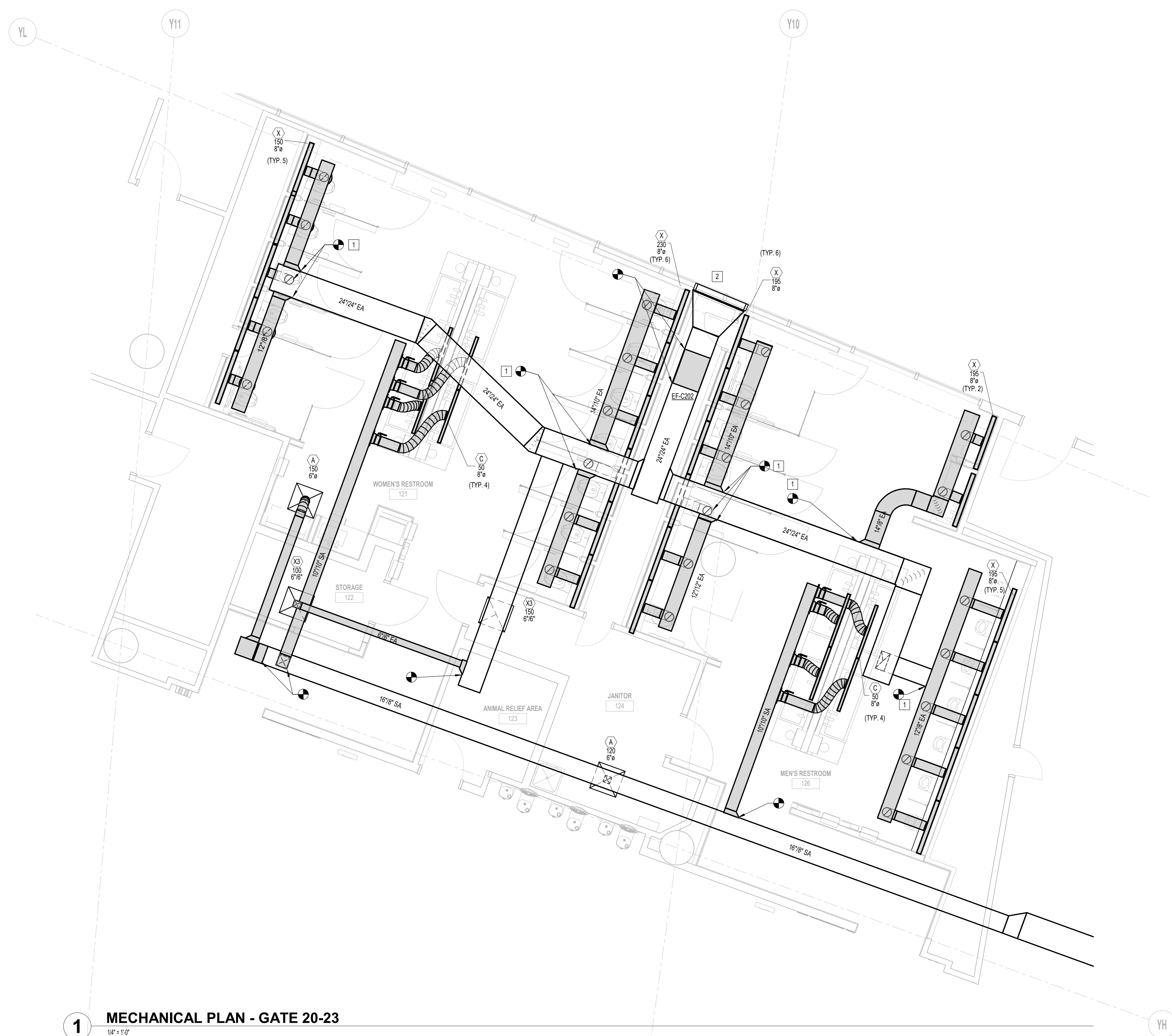
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SHEET NAME: MECHANICAL RENOVATION PLAN - GATE 20-23 RESTROOMS
SHEET No. MH101 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

| # | KEY NOTE |
|---|--------------------------------------|
| 1 | CONNECT TO EXISTING BRANCH DUCTWORK. |
| 2 | EXISTING 48/24 LOUVER TO REMAIN. |



1 MECHANICAL PLAN - GATE 20-23
1/4" = 1'-0"

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt HAS FILE:

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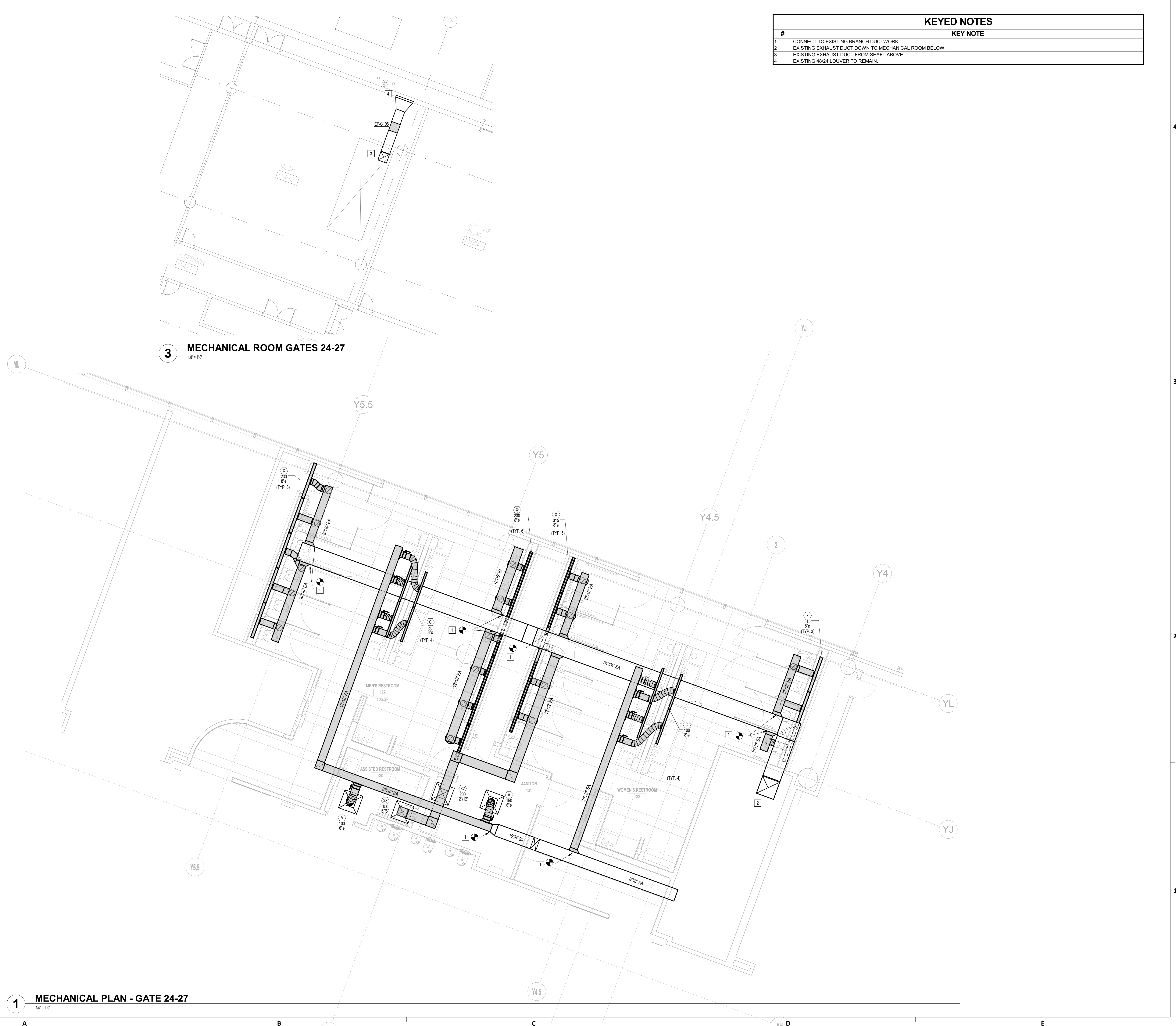
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HAS FILE:

1 MECHANICAL PLAN - GATE 24-27
1/8" = 1'-0"

3 MECHANICAL ROOM GATES 24-27
1/8" = 1'-0"

| # | KEY NOTE |
|---|--|
| 1 | CONNECT TO EXISTING BRANCH DUCTWORK |
| 2 | EXISTING EXHAUST DUCT DOWN TO MECHANICAL ROOM BELOW. |
| 3 | EXISTING EXHAUST DUCT FROM SHAFT ABOVE. |
| 4 | EXISTING 48"24" LOUVER TO REMAIN. |



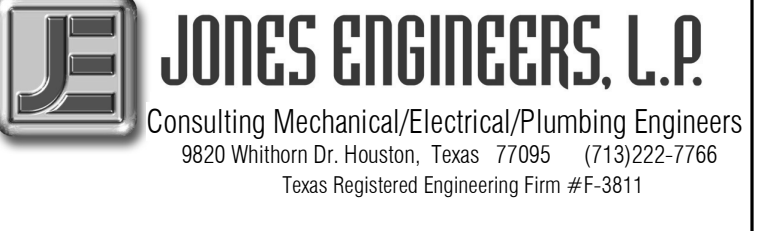
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SHEET NAME: MECHANICAL RENOVATION PLAN - GATE 24-27 RESTROOMS
SHEET No. MH102 SCALE: As indicated
SHEET SIZE: 30"x42" ARCH E1



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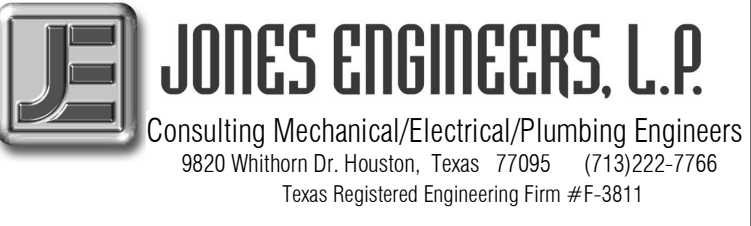
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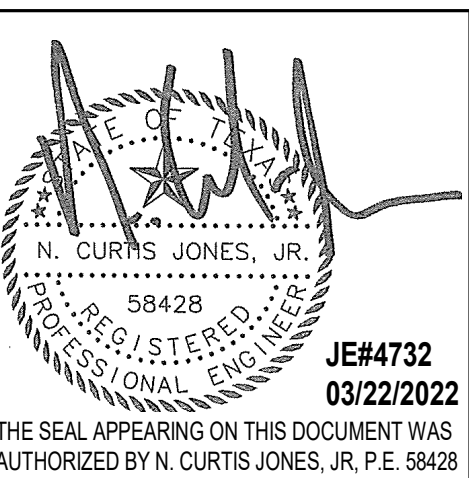
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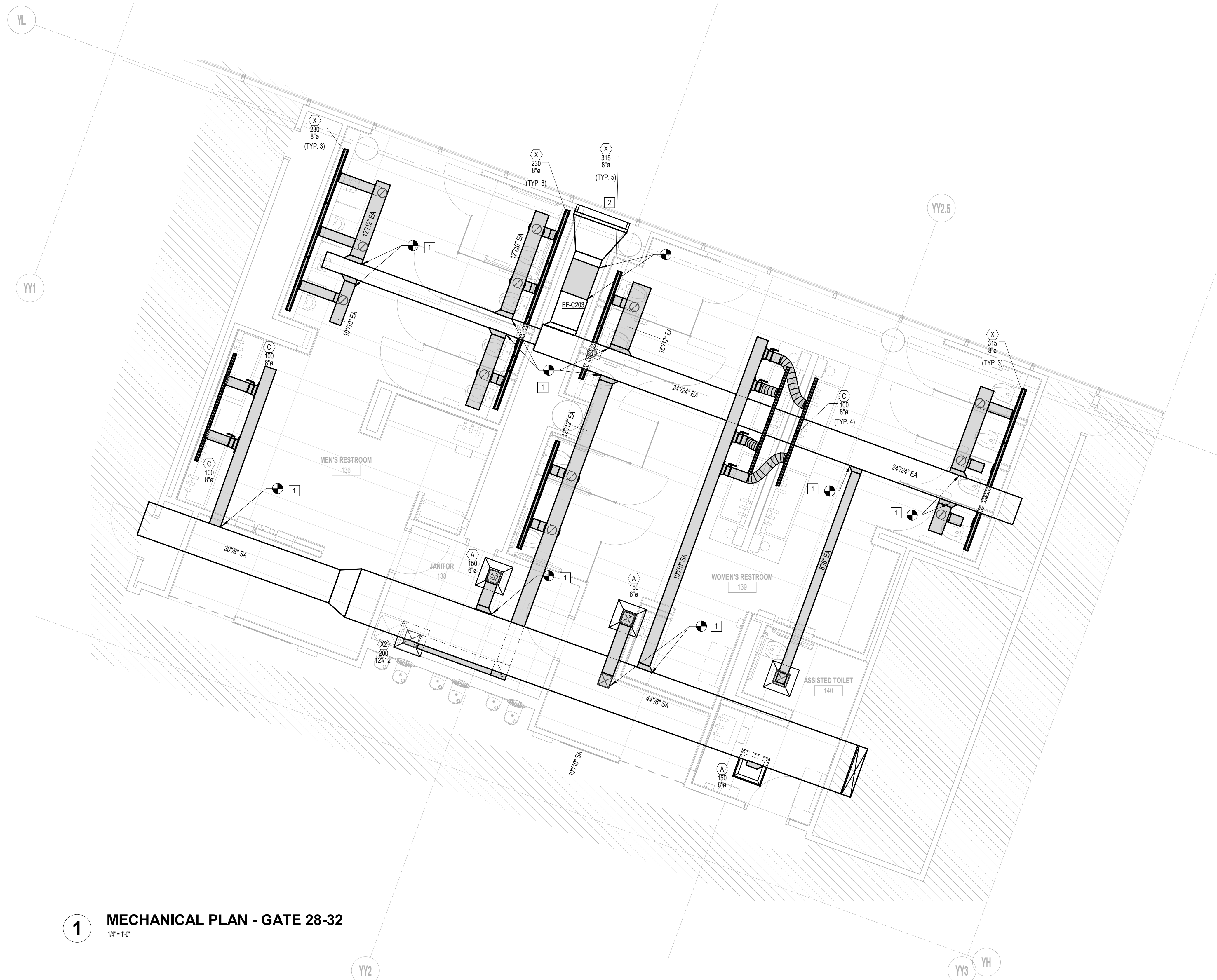
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SHEET NAME: MECHANICAL RENOVATION PLAN - GATE 28-32 RESTROOMS
 SHEET No. MH103 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

| # | KEY NOTE |
|---|--------------------------------------|
| 1 | CONNECT TO EXISTING BRANCH DUCTWORK. |
| 2 | EXISTING 48/24 LOUVER TO REMAIN. |



1 MECHANICAL PLAN - GATE 28-32
1/4" = 1'-0"

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
 HAS FILE:

A

B

C

D

E

SYMBOL LEGEND

Table with columns for symbols and descriptions. Includes sections for SWITCHES, RECEPTACLES AND OUTLETS, ELECTRICAL EQUIPMENT, MOTORS AND CONTROLS, and FIRE ALARM.

GENERAL ELECTRICAL NOTES:

- 1. 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.
2. GUARANTEE LABOR AND MATERIALS FOR 1 YEAR.
3. 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. PANELBOARDS 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. PROVIDE NEW BREAKERS IN EXISTING SPACES AS REQUIRED FOR THIS INSTALLATION. BREAKERS FOR ABANDONED CIRCUITS SHALL BE LABELED "SPARES".
4. REUSED ELECTRICAL EQUIPMENT, WIRING DEVICES, WIRING DEVICE COVER PLATES, 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.
5. ANY ELECTRICAL WORK AFFECTING THE LIGHTING ON THE ADA MUST BE COORDINATED WITH AH ELECTRICAL DEPARTMENT.
6. 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 IDF ROOM AND/OR TO ABOVE CABLE TRAY WITH BUSHING.
7. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL CIRCUIT DESIGNATIONS AND SHALL MAKE CORRECTIONS AS NEEDED.
8. ALL FIRE ALARM SYSTEM DEVICES AND EXIT SIGNAGE SHALL BE INTERFACED WITH BUILDING FIRE ALARM SYSTEM. ALL NEW DEVICES SHALL BE FULLY COMPLIANT 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 SOUNDING DEVICES AS REQUIRED TO ENSURE ADEQUATE COVERAGE THROUGHOUT THE APPLICABLE AREA. ADDITIONAL FIRE ALARM DEVICES SHALL BE ADDED TO MEET BUILDING STANDARDS AND FIRE ALARM SYSTEM CODE REQUIREMENTS. ALL FIRE ALARMS RELATED WORK INCLUDING FIRE ALARM SYSTEM SHUTDOWNS, MUST BE COORDINATED WITH OWNER.
9. 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.
10. ELECTRICAL WORK MUST COMPLY WITH NEC-2020, CITY ELECTRIC CODE, AND 2018 HAS ELECTRIC 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.
11. ALL LOCATIONS OF DEVICES ARE APPROXIMATE. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
12. SEAL NEW OR EXISTING PENETRATIONS IN OF FLOORS, RATED PARTITIONS, AND CORRIDOR WALLS.
13. SECURE ALL PERMITS AND PROVIDE ANY REQUIRED TEMPORARY UTILITIES.
14. 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.
15. CONTRACTOR TO PROVIDE "AS-BUILT" DRAWINGS INDICATING THE CONFIGURATION OF THE CONSTRUCTED WORK.
16. REPAIR ANY DAMAGE THAT OCCURS TO ANY ELECTRICAL EQUIPMENT DURING DEMOLITION.
17. SUBMIT INFORMATION ON ALL NEW EQUIPMENT IN THE FORM OF SHOP DRAWINGS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR THE CORRECT PROCEDURE.
18. PROVIDE 3 COPIES OF THE OPERATION AND MAINTENANCE MANUALS TO THE OWNER. PROVIDE INSTRUCTION ON THE SYSTEM OPERATION TO THE OWNER.
19. AS PER 2020 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. CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION FITTING PER NEC.
20. WIRING - ALL WIRING SHALL BE COPPER, MINIMUM SIZE #12 AWG, THIN, RATED AT 600 VOLTS. PROVIDE GREEN GROUNDING CONDUCTOR 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.
A. NO AC (BX) OR MC CABLE ALLOWED
B. ALL GROUND RODS TO BE STAINLESS STEEL (3/4" x 10' MINIMUM).
C. ALL BONDING AND GROUNDING PER 200 OF 2020 NEC AND ALL HAS 2020 STANDARDS
D. ALL UNUSED CONDUIT AND WIRING OF ANY CRAFT SHALL BE REMOVED BACK TO ITS SOURCE.
E. ALL ELECTRICAL WORK MUST PASS INSPECTION PRIOR TO BACKFILL, CONCRETE PLACEMENT, INSULATION OR COVER/WALL OR CEILING.
21. BOXES - ALL BOXES TO BE GALVANIZED STEEL SUITABLE FOR LOCATION AND SIZED PER THE N.E.C. AND SUPPORTED SEPARATELY FROM CONDUIT.
22. 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 #1121 OR EQUAL RECEPTACLES COMMERCIAL GRADE 20 AMP, 120V, NEMA 5-20R, HUBBELL 5262 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 1121R OR EQUAL. FLOOR BOX WITH BRASS CARPET FLANGE SHALL BE HUBBELL 8258 OR EQUAL.
23. CONDUIT - ALL ELECTRICAL CONDUIT SHALL BE 3/4" MINIMUM GALVANIZED EMT (W) COMPRESSION FITTINGS. ALL TELECOMMUNICATION CONDUIT SHALL BE 1" MINIMUM GALVANIZED EMT (W) COMPRESSION FITTINGS. SUPPORT CONDUIT FROM STRUCTURE, NOT TO EXCEED 10' BETWEEN SUPPORTS. DO NOT SUPPORT FROM STRUCTURE OR PIPING. ROUTE CONDUIT AS DIRECTLY AS POSSIBLE WITH LARGE RADIUS BENDS AND INSTALLED PER N.E.C. PROVIDE U.L. LISTED EXPANSION FITTINGS IF CONDUIT CROSSES EXPANSION OR DEFLECTION JOINT. CLEAN CONDUIT INTERIOR AFTER INSTALLATION. COAT SCRATCHES WITH ZINC PAINT. PROVIDE FILL WIRE FOR ALL EMPTY CONDUIT. CONDUIT UNDER SLAB SHALL BE SCHEDULE 40 PVC. ALL CONDUIT SHALL BE CONCEALED IN THE SLAB AREAS. ANY CONDUIT PASSING THROUGH THE FLOOR SHALL BE RIGID GALVANIZED STEEL CONDUIT. ALL FLOOR PENETRATIONS SHALL BE INSPECTED FOR FIRE CALLING BY BSS ELECTRICAL INSPECTORS BEFORE COVERING.
24. CONDUCTORS:
A. MINIMUM WIRE SIZE FOR BRANCH CIRCUITS BE NO. 12 AWG COPPER.
a. 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.
b. NO. 14 AWG OR NO. 18 AWG MAY BE USED FOR "FIXTURE WHIPS" FOR INDIVIDUAL FIXTURES WHEN USING INDIVIDUAL FUSE PROTECTION FOR EACH FIXTURE.
B. ALUMINUM WIRE SHALL BE USED ONLY FOR OVERHEAD SPANS FROM POLE TO POLE, POLE TO BUILDING, OR BUILDING TO BUILDING APPLICATIONS.
C. STRANDED WIRE SMALLER THAN NO. 8 AWG MAY BE FOR BRANCH CIRCUITS PROVIDING:
a. THEY ARE CONNECTED TO WIRING DEVICES THAT UTILIZE CLAMP TYPE TERMINATIONS RATHER THAN BINDER HEAD SCREW CONNECTIONS.
b. THEY ARE TERMINATED WITH SPADE TYPE LUGS FOR BINDER HEAD SCREW CONNECTIONS.
c. THEY ARE SPLICED TO SOLID CONDUCTORS FOR BINDER HEAD SCREW CONNECTIONS.
D. STRANDED CONDUCTORS SHALL BE USED FOR ALL MOTOR AND CONTROL CIRCUIT WIRING.
E. CONDUCTORS FEEDING COMPUTER OUTLETS (OR IN CLOSE PROXIMITY TO A TELECOMMUNICATIONS OUTLET) SHALL HAVE A NEUTRAL ONE SIZE LARGER THAN THE PHASE CONDUCTOR.
F. REQUIRED TORQUE TO TERMINALS IN BREAKERS 100A AND ABOVE MUST BE WITNESSED BY HAS/SSS ELECTRICAL INSPECTORS.
G. CONDUIT COLOR CODING SHALL BE CONSISTENT ALONG THE ENTIRE LENGTH OF A CIRCUIT. COLOR CODING SHALL BE AS FOLLOWS:
480Y / 277V, 3Ø, 4W 4W 208Y / 120V, 3Ø, 4W 240Y / 120, 1Ø, 3W
AØ - BROWN AØ - BLACK AØ - BLACK
BØ - PURPLE BØ - RED CØ - RED
CØ - YELLOW CØ - BLUE N - WHITE
N - GRAY N - WHITE GRND - BARE
GRND - BARE GRND - BARE ISO GRND - GREEN
ISO GRND - GREEN ISO GRND - GREEN
25. ALL WORK IN WALLS, CEILINGS AND UNDERGROUND CONDUITS SHALL BE INSPECTED BEFORE COVERING.
26. ALL CAD-WELDS TO BE INSPECTED BY ELECTRICAL INSPECTOR BEFORE COVERING. ALL CAD-WELDS UNDERGROUND TO BE SEALED WITH A COLD TAR (BT MASTIC 50) OR EQUIVALENT AFTER INSPECTION.
27. TRANSFORMERS TO BE INSTALLED IN ACCORDANCE WITH HAS DESIGN STANDARDS.
28. THE MINIMUM LENGTH OF FLEXIBLE METALLIC CONDUIT (OR LIQUID TIGHT) FOR FINAL CONNECTION TO VIBRATING EQUIPMENT WILL BE 4 FEET THE MAXIMUM LENGTH FOR ANY CONNECTION WILL BE 8 FEET.
29. ALL ELECTRICAL WORK MUST PASS INSPECTION PRIOR TO BACKFILL, CONCRETE PLACEMENT, INSULATION OR COVER (WALL OR CEILING).



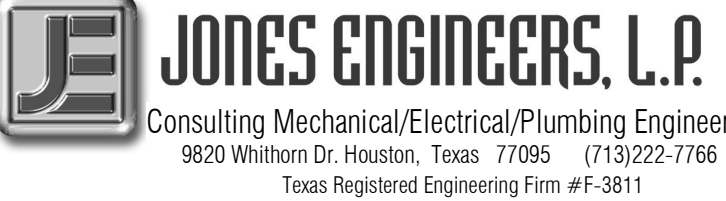
7800 Airport Blvd
Houston, TX 77061

HOU RESTROOM RENOVATIONS
PHASE 2

Table with columns for C.I.P. No., P.N.466B, A.I.P. No., C.O.H. No., D.O.A. No.

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

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



Consulting Mechanical/Electrical/Plumbing Engineers
5820 Whitburn Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05

PROJECT STATUS: IFB

REVISIONS

Table with columns for No., DESCRIPTION, DATE, BY. Revision 1: Issue for Bidding, 03.22.22, JF

DESIGN BY: TOM JONES
DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR of HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING stamp with signature and date 03/22/2022. Includes text: THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR, P.E. 58428

SHEET NAME: ELECTRICAL ABBREVIATIONS, LEGENDS, AND NOTES
SHEET No. EG001 SCALE: 12" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No.:
PLOT DATE:

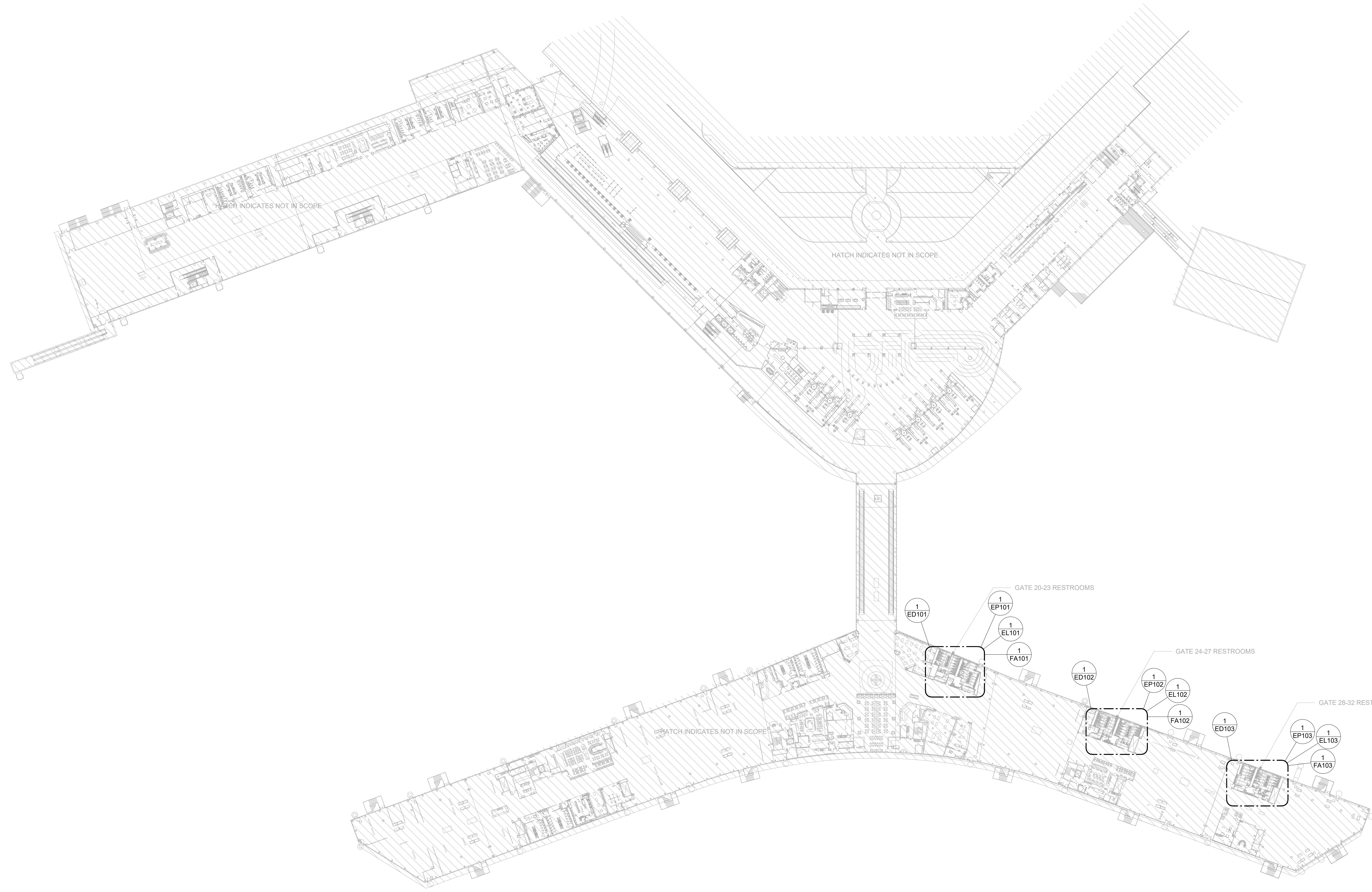
A

B

C

D

E



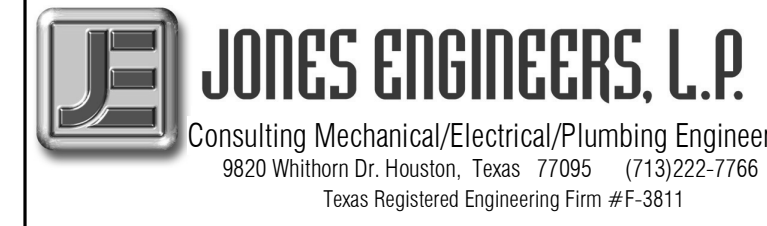
7800 Airport Blvd
Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

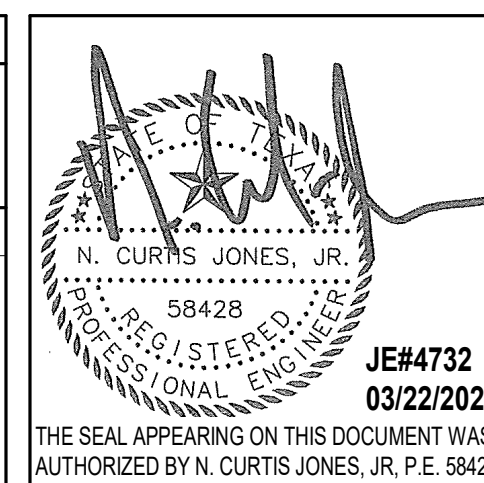
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TOM JONES
DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING



SHEET NAME:
ELECTRICAL OVERALL RENOVATION PLAN -
LEVEL 2

SHEET No. EG100 SCALE: 1/64" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

1 ELEC OVERALL FLOOR PLAN - LEVEL 2

1/8" = 1'-0"

A

B

C

D

E

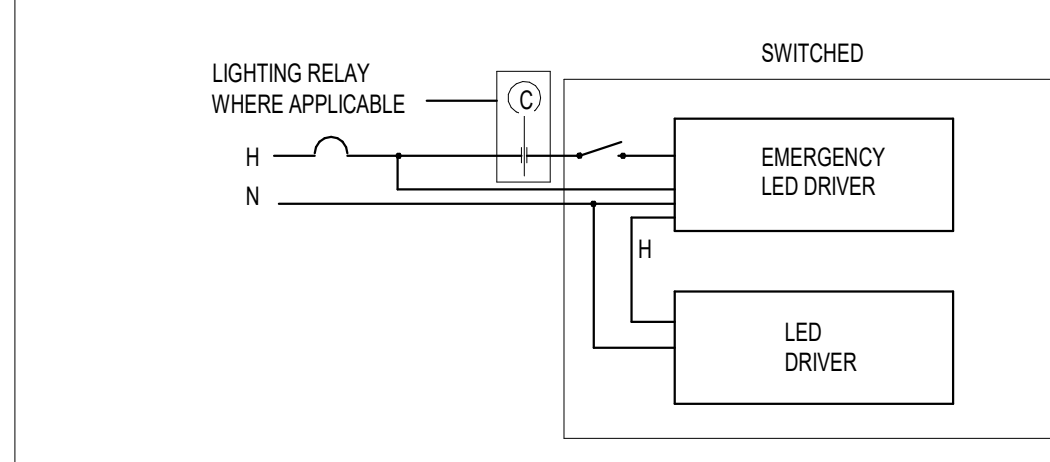
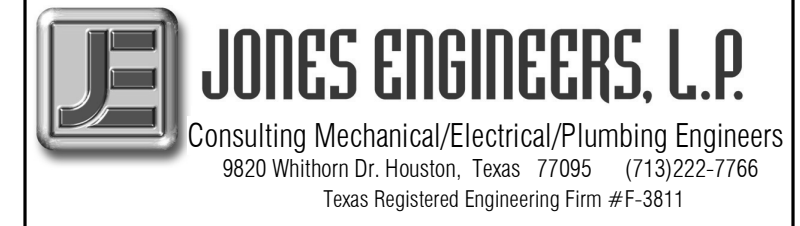
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
 HAS FILE:

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A No.

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LOAD ANALYSIS

| Load Classification | Connected Load (VA) | Demand Factor | Estimated Demand (VA) | Estimated Demand Current |
|-----------------------------------|---------------------|---------------|--------------------------------|--------------------------|
| PEAK KVA X 125% | 35000 VA | 125.00% | 43750 VA | 53 A |
| Lighting | 568 VA | 125.00% | 710 VA | 1 A |
| Receptacle | 7380 VA | 100.00% | 7380 VA | 9 A |
| Power | 163040 VA | 100.00% | 163040 VA | 196 A |
| Total Connected Load (VA): | | | Total Demand Load (VA): | 214880 VA |
| | | | Total Current: | 256 A |

480/277 Wye, 3 Phase, 4 Wire Service

Branch Panel: C1HW

Location: 480/277 Wye
Supply From: DP
Mounting: SURFACE
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Maine Type: MCB
Maine Rating: 225 A
MCB Rating: 225 A

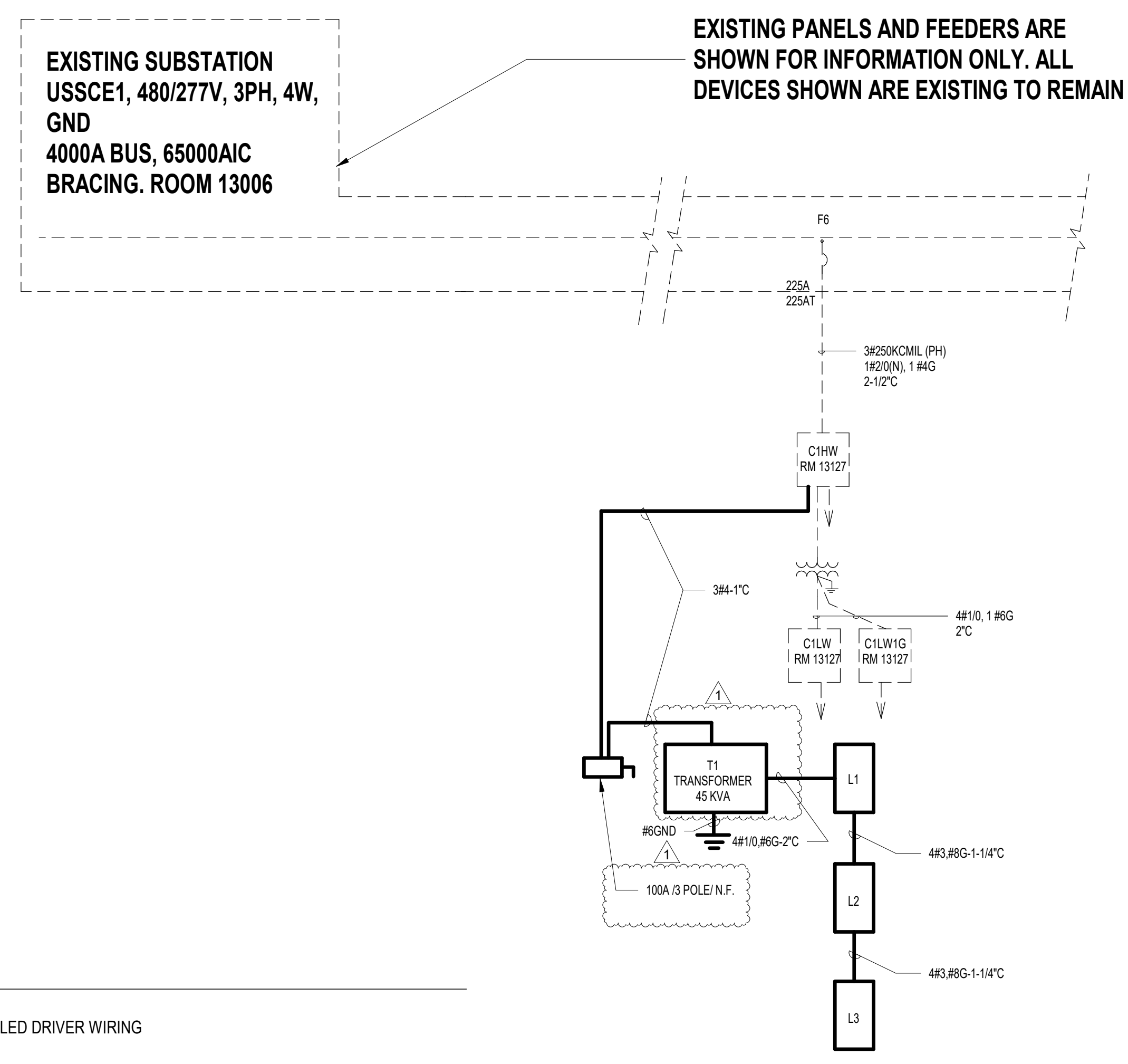
Notes:
EXISTING PANEL

| CKT | Circuit Description | Wire | Trip | Poles | A | B | C | Poles | Trip | Wire | Circuit Description | CKT |
|--------------------|---------------------------------|-------|------|---------|-----------|----------|----------|-------|------|------|--------------------------|-----|
| 1 | Existing Load | 25 A | 1 | 5000... | 2500... | | | 1 | 20 A | | Existing Load | 2 |
| 3 | Existing Load | 20 A | 1 | | | 2800... | 4500... | 1 | 20 A | | Existing Load | 4 |
| 5 | Existing Load | 20 A | 1 | | | 4500... | 2800... | 1 | 20 A | | Existing Load | 6 |
| 7 | Existing Load | 20 A | 1 | 4500... | 8700... | | | 3 | 25 A | | EXISTING AHU C141 7.5 HP | 8 |
| 9 | Existing Load | 20 A | 1 | | | 4500... | 0 VA | | | | | 10 |
| 11 | Existing Load | 20 A | 1 | | | 4500... | 0 VA | | | | | 12 |
| 13 | EXISTING TRANSFORMER C1TW 75KVA | 125 A | 3 | 7500... | 11700... | | | 3 | 25 A | | EXISTING AHU C142 10 HP | 14 |
| 15 | -- | -- | -- | -- | -- | 0 VA | 0 VA | | | | | 16 |
| 17 | -- | -- | -- | -- | -- | 0 VA | 0 VA | | | | | 18 |
| 19 | SPARE | 20 A | 1 | 0 VA | 15533... | | | 3 | 70 A | | TRANSFORMER 49KVA | 20 |
| 21 | SPARE | 20 A | 1 | | | 0 VA | 1419... | | | | | 22 |
| 23 | SPARE | 20 A | 1 | | | 0 VA | 1026... | | | | | 24 |
| 25 | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | 42 |
| Total Load: | | | | | 122933 VA | 25995 VA | 22060 VA | | | | | |
| Total Amps: | | | | | 446 A | 96 A | 80 A | | | | | |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals |
|---------------------|----------------|---------------|------------------|-------------------------------------|
| Lighting | 568 VA | 125.00% | 710 VA | |
| Power | 163040 VA | 100.00% | 163040 VA | Total Conn. Load: 172968 VA |
| Receptacle | 7380 VA | 100.00% | 7380 VA | Total Est. Demand: 171130 VA |
| | | | | Total Conn.: 206 A |
| | | | | Total Est. Demand: 206 A |

Notes:



1 TYPICAL EMERGENCY LED DRIVER WIRING
NOT TO SCALE

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: ALEX CASTRO
DRAWN BY: ALEX CASTRO
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

SHEET NAME: ELECTRICAL DETAILS

SHEET No. EG301 SCALE: 12" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt HAS FILE:

A B C D E

Branch Panel: C1HM

Location: SURFACE
Supply From: SURFACE
Mounting: SURFACE
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

EXISTING PANEL

Table with columns: CKT, Circuit Description, Wire, Trip, Poles, A, B, C, Poles, Trip, Wire, Circuit Description, CKT. Lists existing loads and spares with their specifications.

Legend:

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes sub-totals for Existing Load and Power.

Notes:

Branch Panel: C1HP

Location: SURFACE
Supply From: SURFACE
Mounting: SURFACE
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

EXISTING PANEL

Table with columns: CKT, Circuit Description, Wire, Trip, Poles, A, B, C, Poles, Trip, Wire, Circuit Description, CKT. Lists existing loads and spares with their specifications.

Legend:

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes sub-totals for Existing Load and Power.

Notes:

Branch Panel: L1

Location: JANITOR 124
Supply From: T1
Mounting: SURFACE
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 150 A

Notes:

Table with columns: CKT, Circuit Description, Wire, Trip, Poles, A, B, C, Poles, Trip, Wire, Circuit Description, CKT. Lists loads including Paper Towel Dispenser, Toilet Sensor, Soap/Water Faucet Sensor, Hand Dryer, and Receptacle.

Legend:

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes sub-totals for Lighting, Power, and Receptacle.

Notes:

Branch Panel: L2

Location: JANITOR 131
Supply From: L1
Mounting: SURFACE
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A
MCB Rating:

Notes:

Table with columns: CKT, Circuit Description, Wire, Trip, Poles, A, B, C, Poles, Trip, Wire, Circuit Description, CKT. Lists loads including Toilet Sensor, Hand Dryer, Soap/Water Faucet Sensor, Paper Towel Dispenser, Receptacle, and Panel L2.

Legend:

Load Classification table with columns: Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes sub-totals for Lighting, Power, and Receptacle.

Notes:



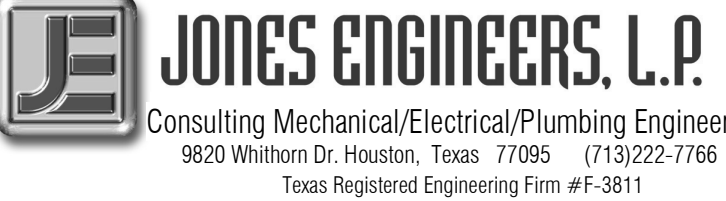
7800 Airport Blvd
Houston, TX 77061

HOU RESTROOM RENOVATIONS
PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects
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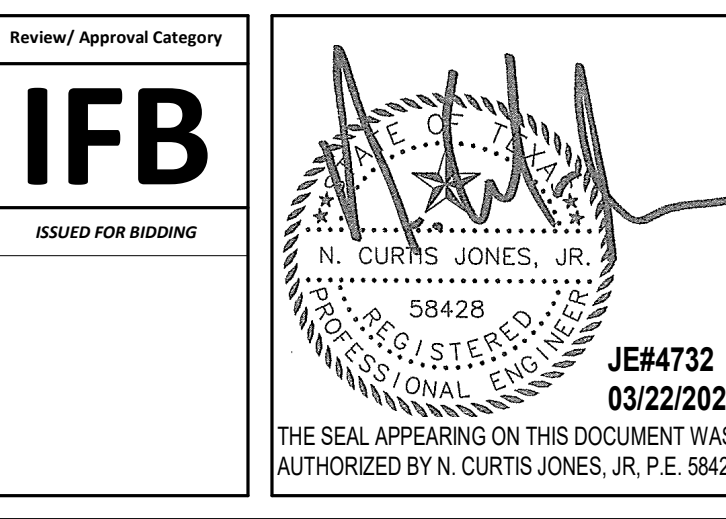
Consulting Mechanical/Electrical/Plumbing Engineers
5820 Whitburn Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS table with columns: No., DESCRIPTION, DATE, BY. Shows one revision for Issue for Bidding on 03.22.22.

DESIGN BY: ALEX CASTRO
DRAWN BY: ALEX CASTRO
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR of HOUSTON AIRPORT SYSTEM



SHEET NAME: ELECTRICAL SCHEDULES
SHEET No. EG401 SCALE:

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/4732 MEP2D.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :
PLOT DATE:

| LOAD ANALYSIS | | | | |
|--------------------------------------|---------------------|---------------|--------------------------------|--------------------------|
| Load Classification | Connected Load (VA) | Demand Factor | Estimated Demand (VA) | Estimated Demand Current |
| PEAK KVA X 125% | 35000 VA | 125.00% | 43750 VA | 53 A |
| Lighting | 568 VA | 125.00% | 710 VA | 1 A |
| Receptacle | 7380 VA | 100.00% | 7380 VA | 9 A |
| Power | 163040 VA | 100.00% | 163040 VA | 196 A |
| Total Connected Load (VA): | | 209988 VA | Total Demand Load (VA): | 214880 VA |
| | | | Total Current: | 258 A |
| 480/277 Wye, 3 Phase, 4 Wire Service | | | | |

Branch Panel: C1HR
 Location: Volts: 480/277 Wye
 Supply From: DP Phases: 3
 Mounting: SURFACE Wires: 4
 Enclosure: Type 1 A.I.C. Rating:
 Mains Type: MCB
 Mains Rating: 400 A
 MCB Rating: 400 A

Notes:
EXISTING PANEL

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|-----|-----------------------------|-------|-------|--------------------|------|------|-------|-------|-----------------------------|-----|
| 1 | EXISTING PC AIR AHU GATE 22 | 100 A | 3 | 0 VA | 0 VA | | 3 | 100 A | EXISTING PC AIR AHU GATE 24 | 2 |
| 3 | -- | -- | -- | | 0 VA | 0 VA | | -- | -- | 4 |
| 5 | -- | -- | -- | | | 0 VA | 0 VA | -- | -- | 6 |
| 7 | EXISTING PC AIR AHU GATE 26 | 100 A | 3 | 0 VA | 0 VA | | 3 | 20 A | Spare | 8 |
| 9 | -- | -- | -- | | 0 VA | 0 VA | | -- | -- | 10 |
| 11 | -- | -- | -- | | | 0 VA | 0 VA | -- | -- | 12 |
| 13 | Spare | 30 A | 3 | 0 VA | 0 VA | | 3 | 20 A | Spare | 14 |
| 15 | -- | -- | -- | | 0 VA | 0 VA | | -- | -- | 16 |
| 17 | -- | -- | -- | | | 0 VA | 0 VA | -- | -- | 18 |
| 19 | Spare | 80 A | 3 | 0 VA | 0 VA | | 3 | 20 A | Spare | 20 |
| 21 | -- | -- | -- | | 0 VA | 0 VA | | -- | -- | 22 |
| 23 | -- | -- | -- | | | 0 VA | 0 VA | -- | -- | 24 |
| 25 | Spare | 20 A | 3 | 0 VA | | | | -- | -- | 26 |
| 27 | -- | -- | -- | | 0 VA | | | -- | -- | 28 |
| 29 | -- | -- | -- | | | 0 VA | | -- | -- | 30 |
| 31 | Space | -- | 1 | -- | -- | | | 1 | -- | 32 |
| 33 | Space | -- | 1 | -- | -- | | | 1 | -- | 34 |
| 35 | Space | -- | 1 | -- | -- | | | 1 | -- | 36 |
| 37 | Space | -- | 1 | -- | -- | | | 1 | -- | 38 |
| 39 | Space | -- | 1 | -- | -- | | | 1 | -- | 40 |
| 41 | Space | -- | 1 | -- | -- | | | 1 | -- | 42 |
| | | | | Total Load: | 0 VA | 0 VA | 0 VA | | | |
| | | | | Total Amps: | 0 A | 0 A | 0 A | | | |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals |
|---------------------|----------------|---------------|------------------|--------------------------------|
| | | | | Total Conn. Load: 0 VA |
| | | | | Total Est. Demand: 0 VA |
| | | | | Total Conn.: 0 A |
| | | | | Total Est. Demand: 0 A |

Notes:

Branch Panel: C1HW
 Location: ELEC ROOM 13127 Volts: 480/277 Wye
 Supply From: DP Phases: 3
 Mounting: SURFACE Wires: 4
 Enclosure: Type 1 A.I.C. Rating:
 Mains Type: MCB
 Mains Rating: 225 A
 MCB Rating: 225 A

Notes:
EXISTING PANEL

| CKT | Circuit Description | Wire | Trip | Poles | A | B | C | Poles | Trip | Wire | Circuit Description | CKT |
|-----|---------------------------------|-------|------|--------------------|-----------|----------|----------|---------|------|------|--------------------------|-----|
| 1 | Existing Load | 25 A | 1 | 5000... | 2500... | | | 1 | 20 A | | Existing Load | 2 |
| 3 | Existing Load | 20 A | 1 | | 2800... | 1450... | | 1 | 20 A | | Existing Load | 4 |
| 5 | Existing Load | 20 A | 1 | | | 4500... | 2800... | 1 | 20 A | | Existing Load | 6 |
| 7 | Existing Load | 20 A | 1 | 4500... | 8700... | | | 3 | 25 A | | EXISTING AHU C141 7.5 HP | 8 |
| 9 | Existing Load | 20 A | 1 | | 4500... | 0 VA | | -- | -- | -- | -- | 10 |
| 11 | Existing Load | 20 A | 1 | | | 4500... | 0 VA | -- | -- | -- | -- | 12 |
| 13 | EXISTING TRANSFORMER C1TW 75KVA | 125 A | 3 | 7500... | 11700... | | | 3 | 25 A | | EXISTING AHU C142 10 HP | 14 |
| 15 | -- | -- | -- | | | 0 VA | 0 VA | | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | | 0 VA | 0 VA | -- | -- | -- | 18 |
| 19 | SPARE | 20 A | 1 | 0 VA | 15533... | | | 3 | 70 A | | TRANSFORMER 45KVA | 20 |
| 21 | SPARE | 20 A | 1 | | | 0 VA | 1419... | -- | -- | -- | -- | 22 |
| 23 | SPARE | 20 A | 1 | | | | 0 VA | 1026... | -- | -- | -- | 24 |
| 25 | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | 42 |
| | | | | Total Load: | 122933 VA | 25995 VA | 22060 VA | | | | | |
| | | | | Total Amps: | 446 A | 96 A | 80 A | | | | | |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals |
|---------------------|----------------|---------------|------------------|-------------------------------------|
| Lighting | 568 VA | 125.00% | 710 VA | Total Conn. Load: 170988 VA |
| Power | 163040 VA | 100.00% | 163040 VA | Total Est. Demand: 171150 VA |
| Receptacle | 7380 VA | 100.00% | 7380 VA | Total Conn.: 206 A |
| | | | | Total Est. Demand: 206 A |

Notes:



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Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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Texas Registered Engineering Firm #F-3811

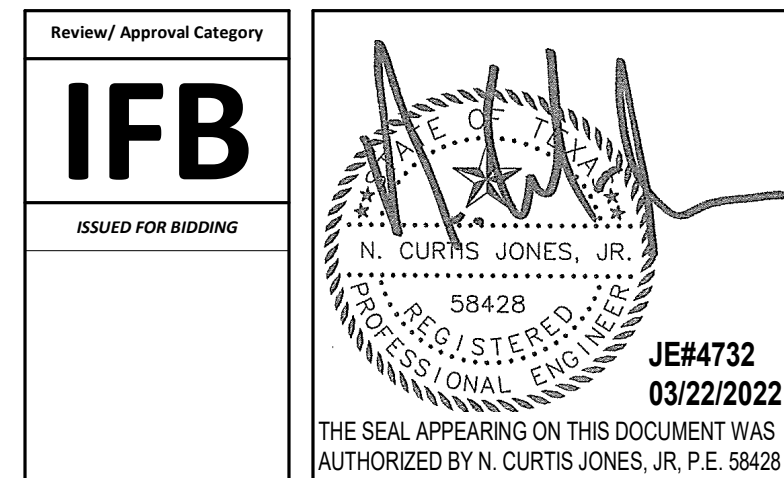
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
ISSUE DATE: 03.22.22
APPROVED BY: Approver
APPROVAL DATE: 03/22/2022

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of
HOUSTON AIRPORT SYSTEM



SHEET NAME: ELECTRICAL SCHEDULE

SHEET No. EG403 SCALE:

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

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

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

1 DEMO ELECTRICAL PLAN - GATE 20-23
1/8" = 1'-0"



GENERAL LIGHTING DEMOLITION NOTES:

1. 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.

GENERAL POWER DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES IN THE AREA OF WORK. ELECTRICAL CONDUIT, BOX, AND BRANCH CIRCUITS ARE TO BE REMOVED ALL THE WAY TO THE SOURCE PANEL, UNLESS OTHERWISE NOTED.
2. REMOVE ALL FIRE ALARM DEVICES.

PLAN KEY NOTES

| # | NOTE |
|---|---|
| 1 | JUNCTION BOX FOR PASSENGER COUNTER. REMOVE AND STORE. REFER TO POWER PLANS FOR NEW LOCATION. |
| 2 | JUNCTION BOX FOR SMART RESTROOM DEVICE. REMOVE AND PLACE IN OWNER STOCK. |
| 3 | EXISTING RECEPTACLE TO REMAIN. REMOVE CONDUIT AND WIRE BACK TO THE SOURCE PANEL. REFER TO POWER PLANS FOR NEW CIRCUITING. |
| 4 | JUNCTION BOX FOR BEACON SCANNERS. REMOVE AND STORE. REFER TO POWER PLANS FOR NEW LOCATION. |
| 5 | DISCONNECT EXHAUST FAN. |
| 6 | EXISTING JUNCTION BOX FOR SIGN / DAMPER TO REMAIN. |
| 7 | EXISTING DISCONNECT SWITCH FOR EDF CHILLER TO REMAIN. |



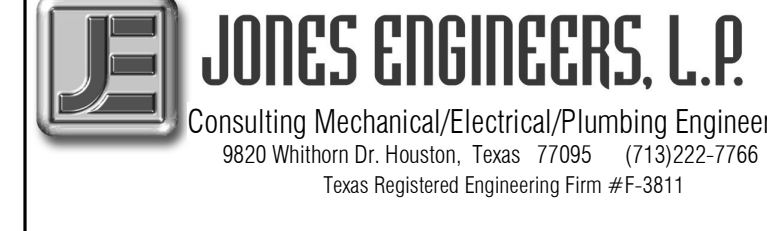
7800 Airport Blvd
Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

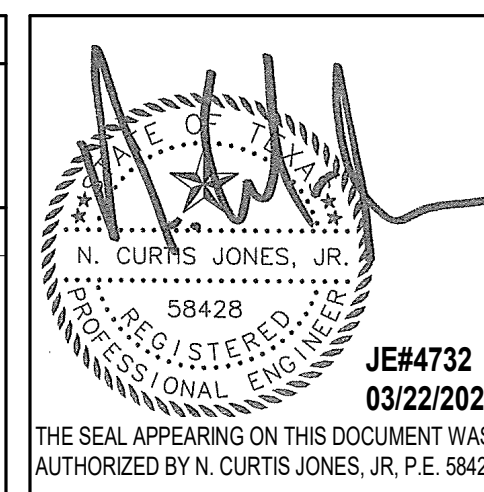
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TOM JONES
DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING



SHEET NAME: ELECTRICAL DEMOLITION PLANS - GATE 20-23 RESTROOMS
SHEET No. ED101 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



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Houston, TX 77061

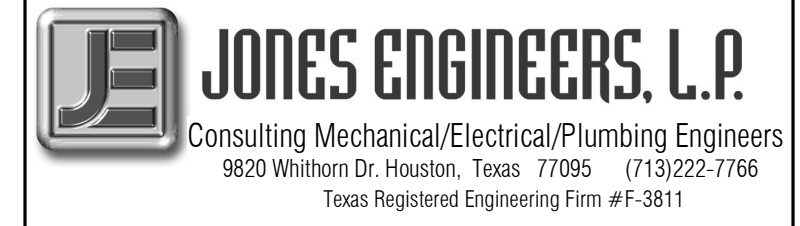
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

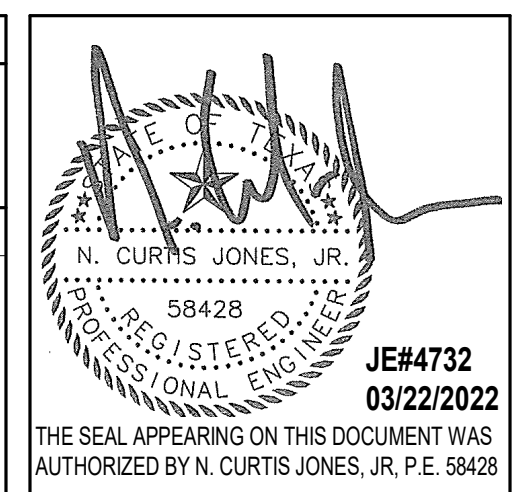
REVISIONS

| No. | DESCRIPTION | DATE | BY |
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| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TOM JONES
 DRAWN BY: MINAHIL SAMEE
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

DIRECTOR
of
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Review/Approval Category
IFB
ISSUED FOR BIDDING



SHEET NAME: ELECTRICAL DEMOLITION PLANS - GATE 24-27 RESTROOMS
 SHEET No. ED102 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

GENERAL LIGHTING DEMOLITION NOTES:

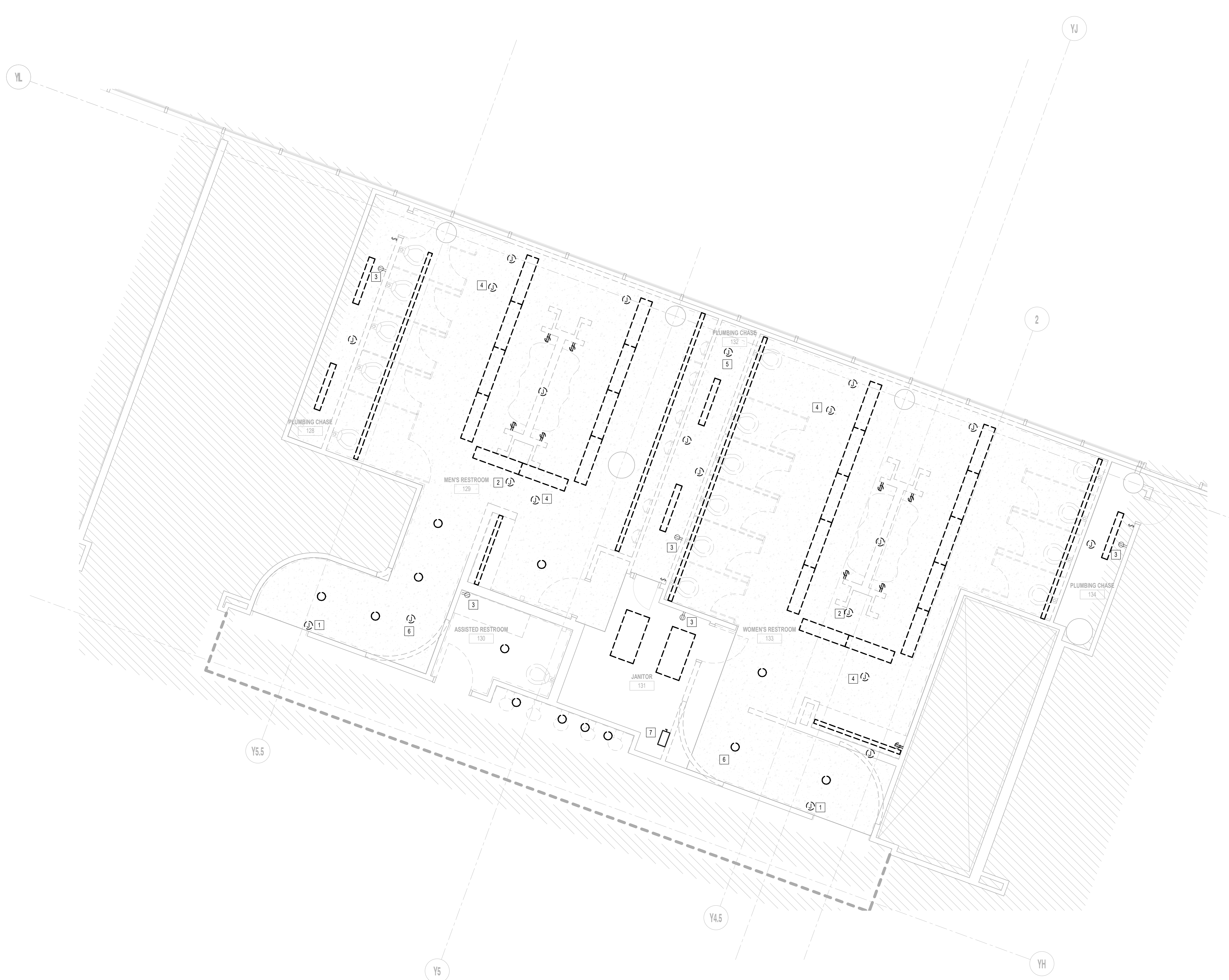
1. ALL LIGHTING TO BE REMOVED. REMOVE LIGHT FIXTURES, CONDUIT AND WIRE BACK TO NEAREST JUNCTION BOX. EXISTING BRANCH CIRCUIT ARE TO REMAIN AND BE REUSED FOR NEW LIGHTING. REFER TO LIGHTING PLANS FOR NEW LAYOUT.

GENERAL POWER DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES IN THE AREA OF WORK. ELECTRICAL CONDUIT, BOX, AND BRANCH CIRCUITS ARE TO BE REMOVED ALL THE WAY TO THE SOURCE PANEL, UNLESS OTHERWISE NOTED.
2. REMOVE ALL FIRE ALARM DEVICES.

PLAN KEY NOTES

| # | NOTE |
|---|---|
| 1 | JUNCTION BOX FOR PASSENGER COUNTER. REMOVE AND STORE. REFER TO POWER PLANS FOR NEW LOCATION. |
| 2 | JUNCTION BOX FOR SMART RESTROOM DEVICE. REMOVE AND PLACE IN OWNER STOCK. |
| 3 | EXISTING RECEPTACLE TO REMAIN. REMOVE CONDUIT AND WIRE BACK TO THE SOURCE PANEL. REFER TO POWER PLANS FOR NEW CIRCUITING. |
| 4 | JUNCTION BOX FOR BEACON SCANNERS. REMOVE AND STORE. REFER TO POWER PLANS FOR NEW LOCATION. |
| 5 | DISCONNECT EXHAUST FAN. |
| 6 | EXISTING JUNCTION BOX FOR SIGN / DAMPER TO REMAIN. |
| 7 | EXISTING DISCONNECT SWITCH FOR EDF CHILLER TO BE RELOCATED. |



1 DEMO ELECTRICAL PLAN - GATE 24-27

1/4" = 1'0"

FILE PATH: BIM 360//1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

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

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

1 DEMO ELECTRICAL PLAN - GATE 28-32
1/4" = 1'-0"



- GENERAL LIGHTING DEMOLITION NOTES:**
- 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.
- GENERAL POWER DEMOLITION NOTES:**
- CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES IN THE AREA OF WORK. ELECTRICAL CONDUIT, BOX, AND BRANCH CIRCUITS ARE TO BE REMOVED ALL THE WAY TO THE SOURCE PANEL, UNLESS OTHERWISE NOTED.
 - REMOVE ALL FIRE ALARM DEVICES.

| PLAN KEY NOTES | |
|----------------|---|
| # | NOTE |
| 1 | JUNCTION BOX FOR PASSENGER COUNTER. REMOVE AND STORE. REFER TO POWER PLANS FOR NEW LOCATION. |
| 2 | JUNCTION BOX FOR SMART RESTROOM DEVICE. REMOVE AND PLACE IN OWNER STOCK. |
| 3 | EXISTING RECEPTACLE TO REMAIN. REMOVE CONDUIT AND WIRE BACK TO THE SOURCE PANEL. REFER TO POWER PLANS FOR NEW CIRCUITING. |
| 4 | JUNCTION BOX FOR BEACON SCANNERS. REMOVE AND STORE. REFER TO POWER PLANS FOR NEW LOCATION. |
| 5 | DISCONNECT EXHAUST FAN. |
| 6 | EXISTING JUNCTION BOX FOR SIGN / DAMPER TO REMAIN. |
| 7 | EXISTING DISCONNECT SWITCH FOR EDF CHILLER TO REMAIN. |



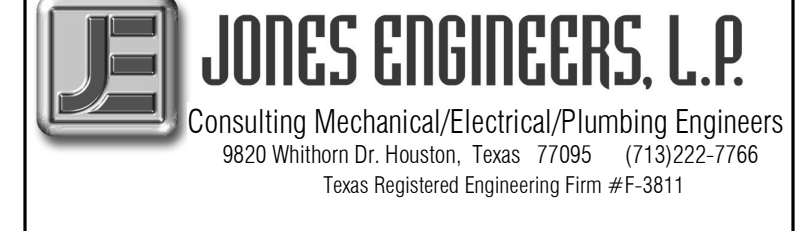
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**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

| REVISIONS | | | |
|-----------|-------------------|----------|----|
| No. | DESCRIPTION | DATE | BY |
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TOM JONES
DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4732
03/22/2022

SHEET NAME:
ELECTRICAL DEMOLITION PLANS - GATE
28-32 RESTROOMS

SHEET No. ED103 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: BIM 360/1429 06 Hobby Airport Restroom Renovations/4732 MEP20.rvt

HAS FILE:

1 ELECTRICAL LIGHTING PLAN - GATE 20-23
1/4" = 1'-0"

ELECTRICAL LIGHTING PLAN GENERAL NOTES
 A. ALL LIGHT FIXTURE LOCATIONS ARE APPROXIMATE. FOR EXACT LOCATION REFER TO ARCHITECTURAL DRAWINGS.
 B. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.
 C. ALL LIGHTS TO BE CONTROLLED BY EXISTING LIGHTING CONTROL SYSTEM.
 D. CONTRACTOR SHALL REUSE EXISTING EMERGENCY CIRCUIT TO PROVIDE POWER TO NEW EMERGENCY LIGHTING.

| # | NOTE |
|---|---|
| 1 | LIGHTING CONTROL POWER PACK |
| 2 | CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. LIGHTS MUST TURN ON MANUALLY (OR OPTIONALLY BE CONFIGURED TO AUTOMATICALLY CONFIGURED TO COME ON TO 50%) COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO TURN ON AUTOMATICALLY TO 50%). |
| 3 | CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. SWITCH AS INDICATED. |
| 4 | CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. |
| 5 | CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT SERVING REMOVED EMERGENCY LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. |
| 6 | WALL MOUNTED VACANCY SENSOR WITH 0-10V DIMMER. PROVIDE FULL ROOM COVERAGE. LIGHTS MUST TURN ON MANUALLY (OR OPTIONALLY BE CONFIGURED TO AUTOMATICALLY CONFIGURED TO COME ON TO 50%) COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO TURN ON AUTOMATICALLY TO 50%). |
| 7 | 0-10V DIMMER |

| LIGHTING CONTROL LEGEND | |
|-------------------------|---|
| | CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON. |
| | 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%). |
| | LIGHTING CONTROL POWER PACK. |
| | LOW VOLTAGE SWITCH(S) (0-10V DIMMER). |
| | 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%). |
| | 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. |
| | LINE VOLTAGE SWITCH |
| | VME HUB. CONNECT TO NEAREST UNSWITCHED 120V LIGHTING CIRCUIT. |

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**HOU RESTROOM RENOVATIONS
 PHASE 2**

C.I.P. No. PN466B A.I.P. No.
 C.O.H. No. D.O.A. No.

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 5820 Whitburn Dr. Houston, Texas 77055 (713)222-7766
 Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: IFB

| REVISIONS | | |
|-----------|-------------------|-------------|
| No. | DESCRIPTION | DATE BY |
| 1 | Issue for Bidding | 03.22.22 JF |

DESIGN BY: TOM JONES
 DRAWN BY: MINAHIL SAMEE
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
 ISSUED FOR BIDDING

JE#4732
 03/22/2022
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
 ELECTRICAL LIGHTING PLAN - GATE 20-23 RESTROOMS

SHEET No. EL101 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP2D.rvt

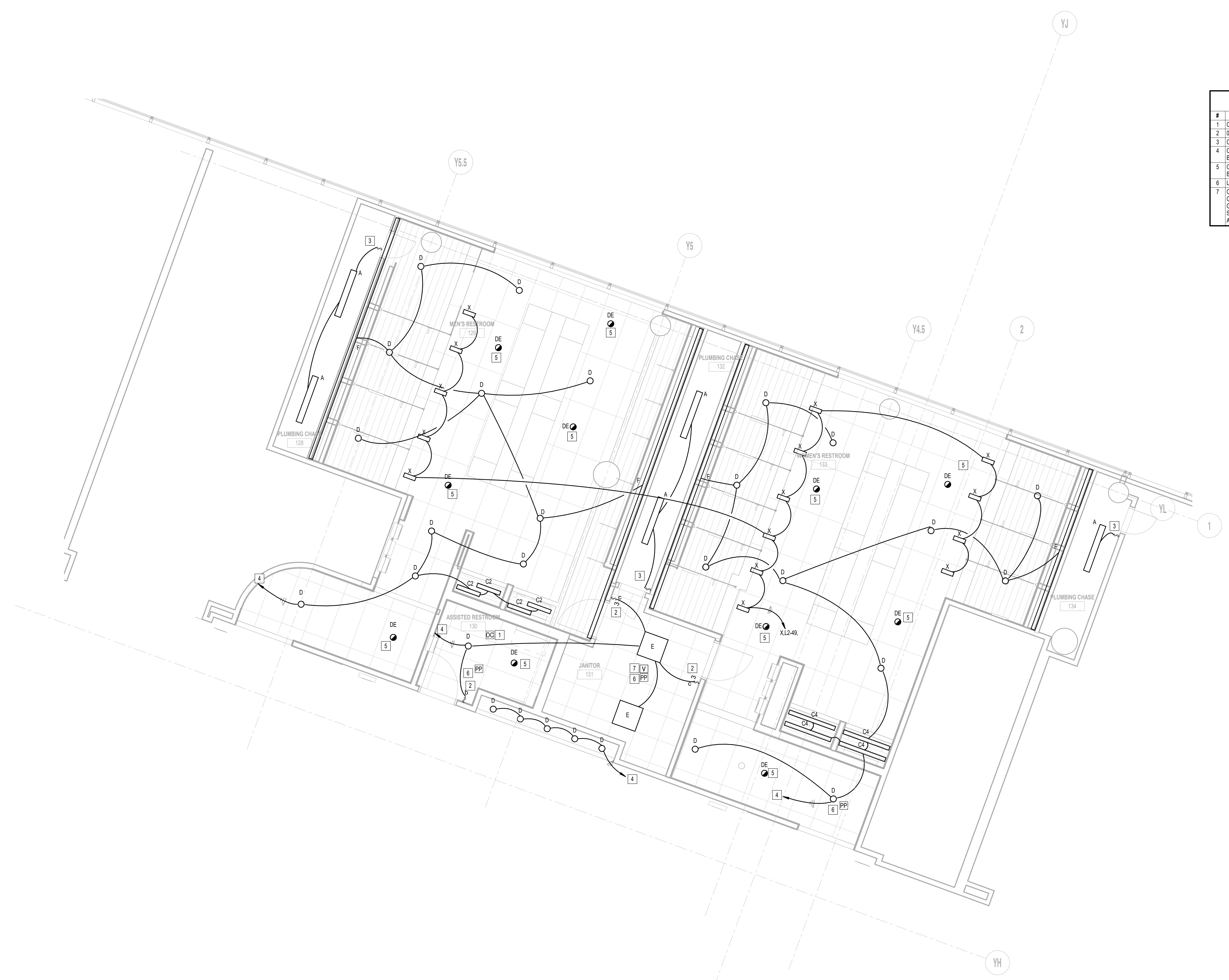
HAS FILE:

1 LIGHTING RCP - GATE 24-27
1/4" = 1/8"

ELECTRICAL LIGHTING PLAN GENERAL NOTES
 A. ALL LIGHT FIXTURE LOCATIONS ARE APPROXIMATE. FOR EXACT LOCATION REFER TO ARCHITECTURAL DRAWINGS.
 B. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.
 C. ALL LIGHTS TO BE CONTROLLED BY EXISTING LIGHTING CONTROL SYSTEM.
 D. CONTRACTOR SHALL REUSE EXISTING EMERGENCY CIRCUIT TO PROVIDE POWER TO NEW EMERGENCY LIGHTING.

| # | NOTE |
|---|---|
| 1 | CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. AUTO OFF / AUTO ON |
| 2 | 0-10V DIMMER |
| 3 | CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. SWITCH AS INDICATED. |
| 4 | CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. |
| 5 | CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT SERVING REMOVED EMERGENCY LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. |
| 6 | LIGHTING CONTROL POWER PACK. |
| 7 | CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. LIGHTS MUST TURN ON MANUALLY (OR OPTIONALLY BE CONFIGURED TO AUTOMATICALLY CONFIGURED TO COME ON TO 50%) COVER. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO TURN ON AUTOMATICALLY TO 50%). |

| 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. |
| V | 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 | 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 |
| VH | VIVE HUB. CONNECT TO NEAREST UNSWITCHED 120V LIGHTING CIRCUIT. |



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**HOU RESTROOM RENOVATIONS
 PHASE 2**

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 C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: IFB

| REVISIONS | | |
|-----------|-------------------|-------------|
| No. | DESCRIPTION | DATE BY |
| 1 | Issue for Bidding | 03.22.22 JF |

DESIGN BY: TOM JONES
 DRAWN BY: MINAHIL SAMEE
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
 ISSUED FOR BIDDING

JE#4732
 03/22/2022
 N. CURTIS JONES, JR.
 58428
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
 ELECTRICAL LIGHTING PLAN - GATE 24-27 RESTROOMS
 SHEET No. EL102 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

1 LIGHTING RCP - GATE 28-32
1/4" = 1'-0"

ELECTRICAL LIGHTING PLAN GENERAL NOTES
A. ALL LIGHT FIXTURE LOCATIONS ARE APPROXIMATE. FOR EXACT LOCATION REFER TO ARCHITECTURAL DRAWINGS.
B. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE CENTERED IN THE CEILING TILE.
C. ALL LIGHTS TO BE CONTROLLED BY EXISTING LIGHTING CONTROL SYSTEM.
D. CONTRACTOR SHALL REUSE EXISTING EMERGENCY CIRCUIT TO PROVIDE POWER TO NEW EMERGENCY LIGHTING.

| # | NOTE |
|---|--|
| 1 | LIGHTING CONTROL POWER PACK |
| 2 | 0-10V DIMMER |
| 3 | CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. SWITCH AS INDICATED |
| 4 | CONNECT TO EXISTING LIGHTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED |
| 5 | CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT SERVING REMOVED EMERGENCY LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED |
| 6 | CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. AUTO OFF / AUTO ON |

| 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. |
| V | 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 | 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 |
| VH | VIVE HUB. CONNECT TO NEAREST UNSWITCHED 120V LIGHTING CIRCUIT. |



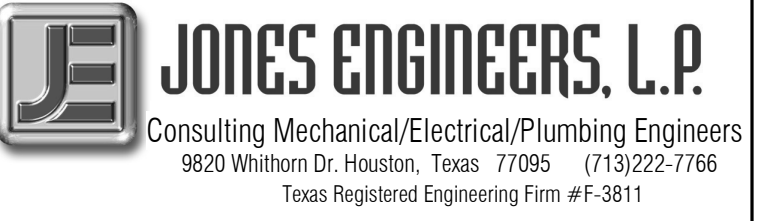
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**HOU RESTROOM RENOVATIONS
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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

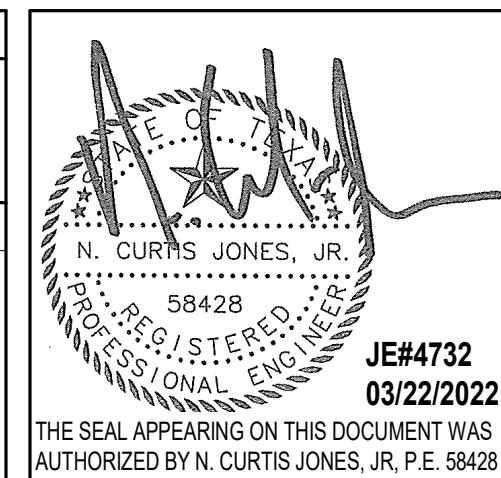
REVISIONS

| No. | DESCRIPTION | DATE | BY |
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| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TOM JONES
DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
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SHEET NAME:
ELECTRICAL LIGHTING PLAN - GATE 28-32 RESTROOMS
SHEET No. EL103 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



7800 Airport Blvd
Houston, TX 77061

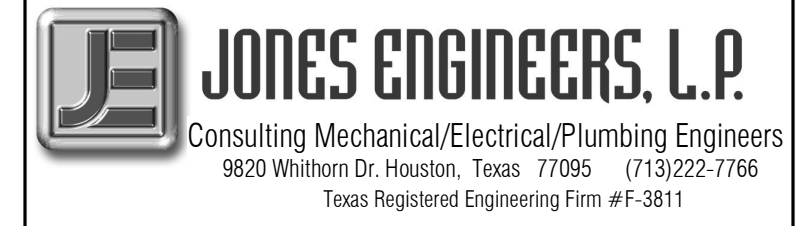
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

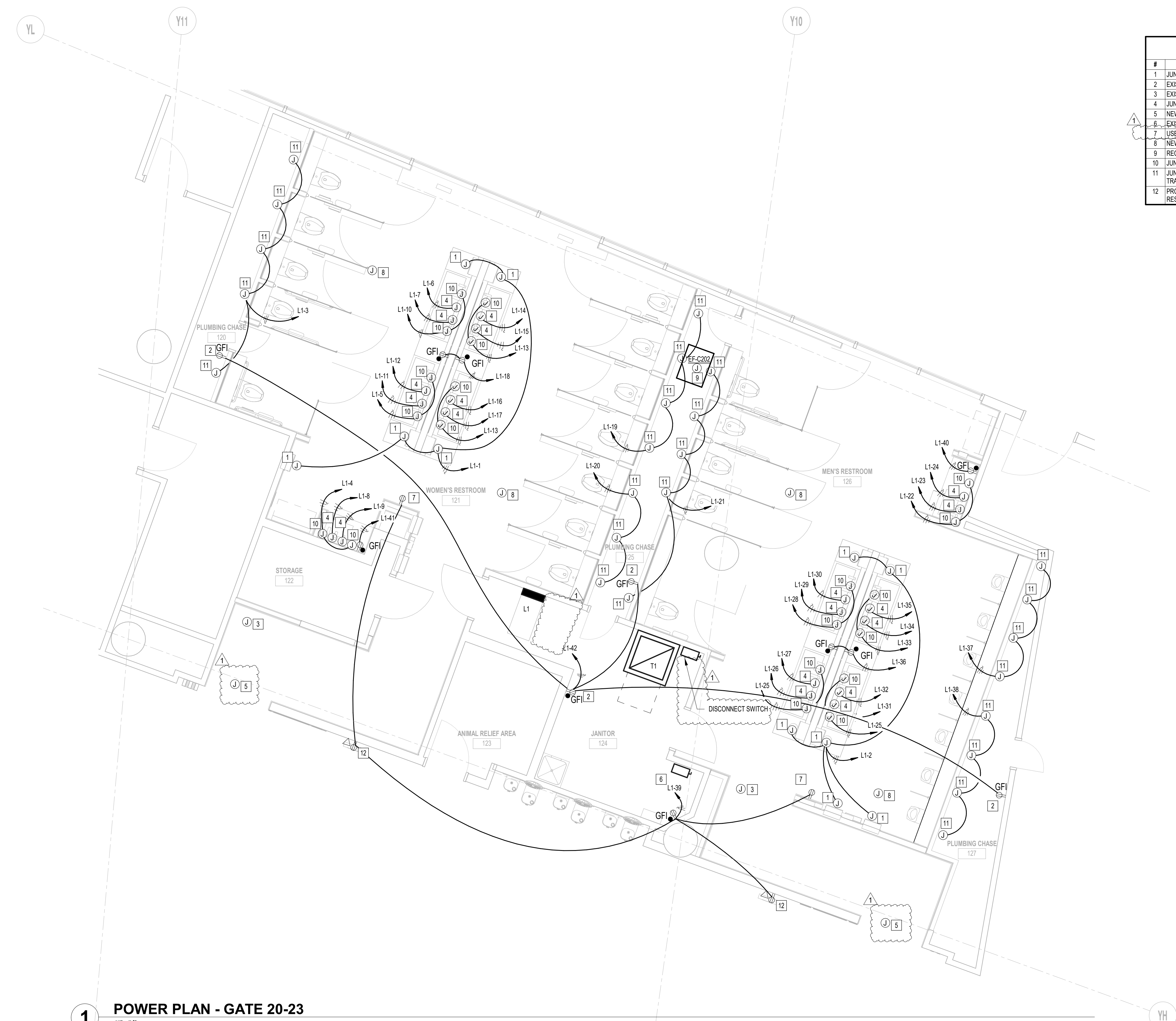
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| # | NOTE |
|----|--|
| 1 | JUNCTION BOX FOR PAPER TOWEL DISPENSOR. |
| 2 | EXISTING RECEPTACLE TO REMAIN, CIRCUIT AS INDICATED. |
| 3 | EXISTING JUNCTION BOX FOR SIGN/ DAMPER TO REMAIN. |
| 4 | JUNCTION BOX FOR HAND DRYER. |
| 5 | NEW LOCATION OF PASSENGER COUNTER. COORDINATE EXACT LOCATION WITH ARCHITECT. |
| 6 | EXISTING DISCONNECT SWITCH FOR EXH. CHILLER TO REMAIN. |
| 7 | USB GFI RECEPTACLE FOR SMART RESTROOM TABLET. |
| 8 | NEW LOCATION OF BEACON SCANNER. |
| 9 | RECONNECT NEW EXHAUST FAN CONNECT TO EXISTING CIRCUIT SERVING REMOVED EXHAUST FAN. |
| 10 | JUNCTION BOX FOR SOAP/ WATER FAUCET SENSOR. |
| 11 | JUNCTION BOX FOR TOILET SENSOR. PROVIDE 120V HARDWIRE CONNECTION. COORDINATE LOCATION OF TRANSFORMER. |
| 12 | PROVIDE 100-240V 50/60HZ DUPLEX POWER OUTLET AND CAT5 CABLE WITH FACEPLATE FOR ACCESS TO SMART RESTROOM DIGITAL SIGNAGE. |



1 POWER PLAN - GATE 20-23
1/4" = 1'-0"

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

| REVISIONS | | |
|-----------|-------------------|-------------|
| No. | DESCRIPTION | DATE BY |
| 1 | Issue for Bidding | 03.22.22 JF |

DESIGN BY: TOM JONES
 DRAWN BY: MINAHIL SAMEE
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

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ISSUED FOR BIDDING

JE#4732
03/22/2022
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
ELECTRICAL POWER PLAN - GATE 20-23 RESTROOMS

SHEET No. EP101 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732 MEP20.rvt
 HAS FILE:
 PLOT DATE:
 OLD DDA No. :
 DDA DWG FILE:
 PLOT DATE:



7800 Airport Blvd
Houston, TX 77061

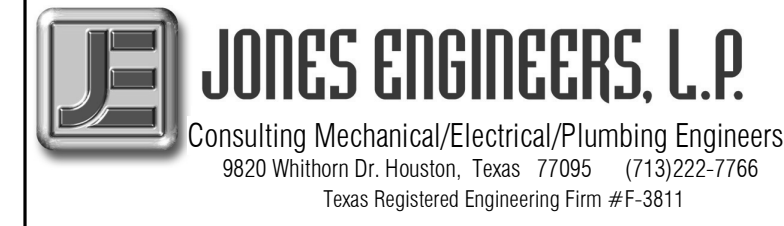
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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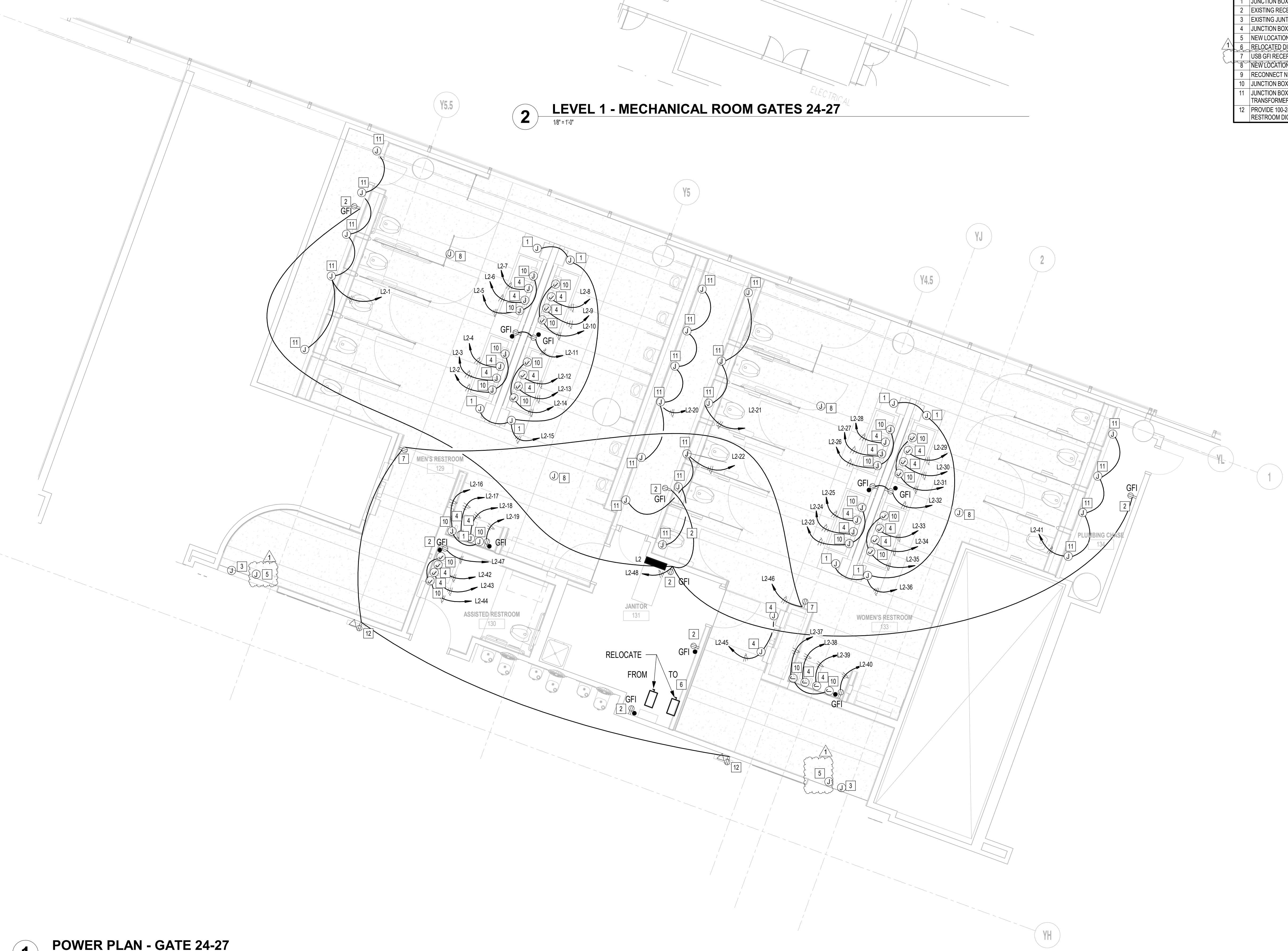


Consulting Mechanical/Electrical/Plumbing Engineers
5820 Whitson Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

PLAN KEY NOTES

| # | NOTE |
|----|--|
| 1 | JUNCTION BOX FOR PAPER TOWEL DISPENSOR. |
| 2 | EXISTING RECEPTACLE TO REMAIN, CIRCUIT AS INDICATED. |
| 3 | EXISTING JUNCTION BOX FOR SIGN/DAMPEN TO REMAIN. |
| 4 | JUNCTION BOX FOR HAND DRYER. |
| 5 | NEW LOCATION OF PASSENGER COUNTER. COORDINATE EXACT LOCATION WITH ARCHITECT. |
| 6 | RELOCATED DISCONNECT SWITCH FOR EDF CHILLER. |
| 7 | USB GFI RECEPTACLE FOR SMART RESTROOM TABLET. |
| 8 | NEW LOCATION OF BEACON SCANNER. |
| 9 | RECONNECT NEW EXHAUST FAN CONNECT TO EXISTING CIRCUIT SERVING REMOVED EXHAUST FAN. |
| 10 | JUNCTION BOX FOR SOAP WATER FAUCET SENSOR. |
| 11 | JUNCTION BOX FOR TOILET SENSOR. PROVIDE 120V HARDWIRE CONNECTION. COORDINATE LOCATION OF TRANSFORMER. |
| 12 | PROVIDE 100/240V 50/60HZ DUPLEX POWER OUTLET AND CAT5 CABLE WITH FACEPLATE FOR ACCESS TO SMART RESTROOM DIGITAL SIGNAGE. |

2 LEVEL 1 - MECHANICAL ROOM GATES 24-27



1 POWER PLAN - GATE 24-27

1/4" = 1'0"

FILE PATH: BIM 360//1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

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

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

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| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TOM JONES
DRAWN BY: MINAHIL SAMEE
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

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03/22/2022
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SHEET NAME: ELECTRICAL POWER PLAN - GATE 24-27 RESTROOMS
SHEET No. EP102 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



7800 Airport Blvd
Houston, TX 77061

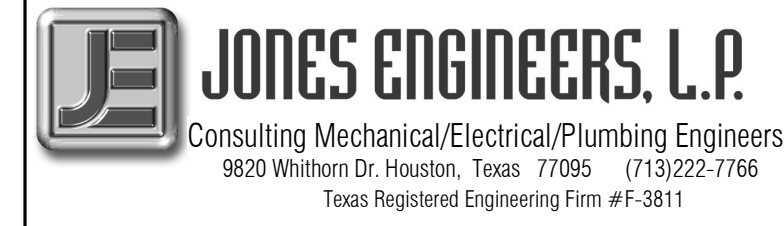
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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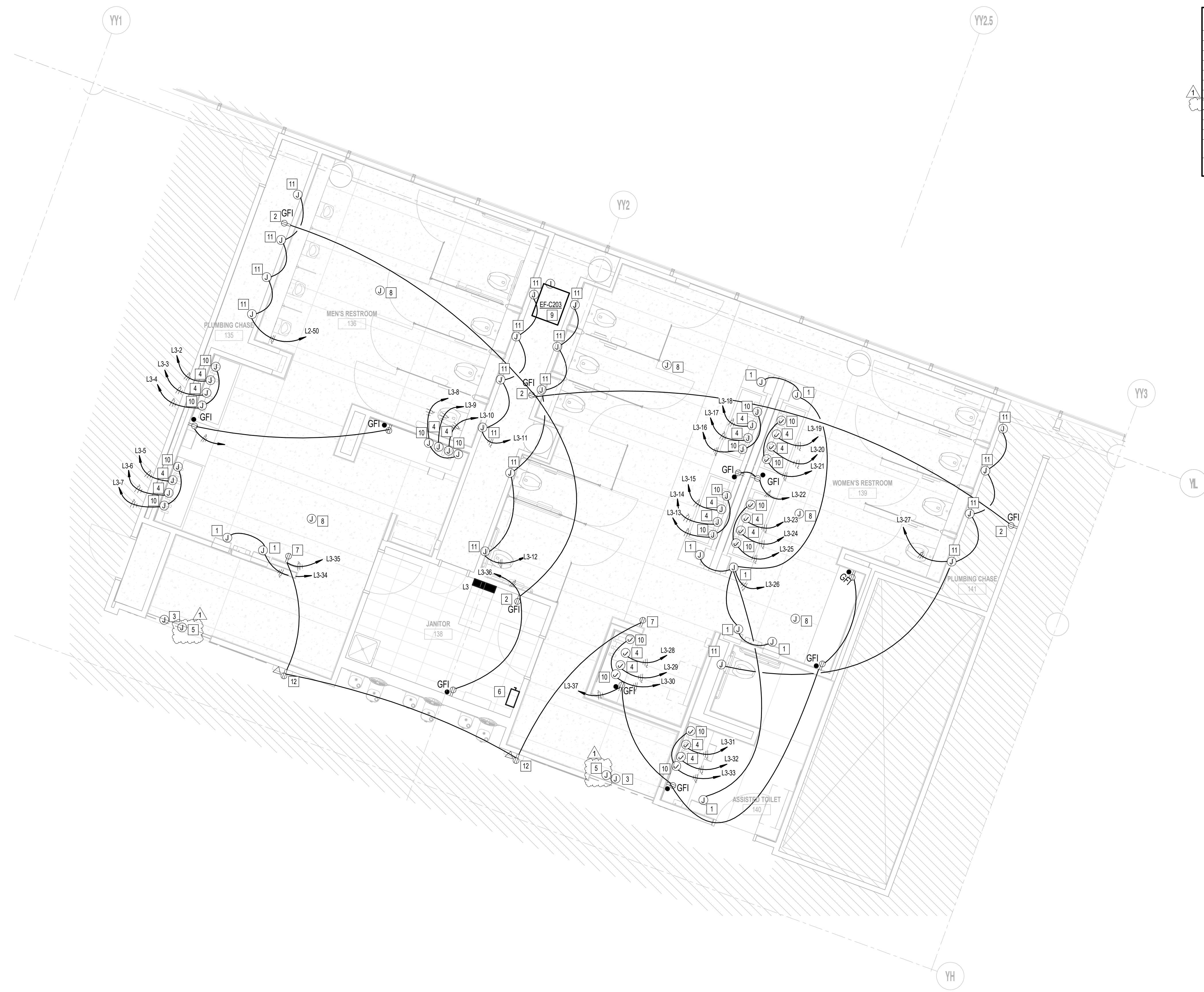
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Texas Registered Engineering Firm #F-3811

| # | NOTE |
|----|--|
| 1 | JUNCTION BOX FOR PAPER TOWEL DISPENSOR. |
| 2 | EXISTING RECEPTACLE TO REMAIN. CIRCUIT AS INDICATED. |
| 3 | EXISTING JUNCTION BOX FOR SIGN DAMPER TO REMAIN. |
| 4 | JUNCTION BOX FOR HAND DRYER. |
| 5 | NEW LOCATION OF PASSENGER COUNTER. COORDINATE EXACT LOCATION WITH ARCHITECT. |
| 6 | EXISTING DISCONNECT SWITCH FOR EDF CHILLER TO REMAIN. |
| 7 | USE GFI RECEPTACLE FOR SMART RESTROOM TABLES. |
| 8 | NEW LOCATION OF BEACON SCANNER. |
| 9 | RECONNECT NEW EXHAUST FAN CONNECT TO EXISTING CIRCUIT SERVING REMOVED EXHAUST FAN. |
| 10 | JUNCTION BOX FOR SOAP WATER FAUCET SENSOR. |
| 11 | JUNCTION BOX FOR TOILET SENSOR. PROVIDE 120V HARDWIRE CONNECTION. COORDINATE LOCATION OF TRANSFORMER. |
| 12 | PROVIDE 100-240V 50/60HZ DUPLEX POWER OUTLET AND CAT5 CABLE WITH FACEPLATE FOR ACCESS TO SMART RESTROOM DIGITAL SIGNAGE. |



1 POWER PLAN - GATE 28-32
1/4" = 1'-0"

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

| REVISIONS | | | |
|-----------|-------------------|----------|----|
| No. | DESCRIPTION | DATE | BY |
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TOM JONES
 DRAWN BY: MINAHIL SAMEE
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

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JE#4732
03/22/2022
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SHEET NAME:
ELECTRICAL POWER PLAN - GATE 28-32 RESTROOMS

SHEET No. EP103 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
 HAS FILE:
 PLOT DATE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:



7800 Airport Blvd
Houston, TX 77061

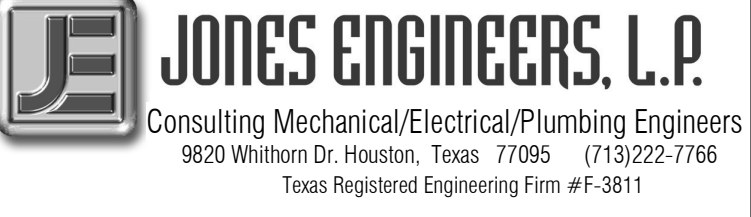
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

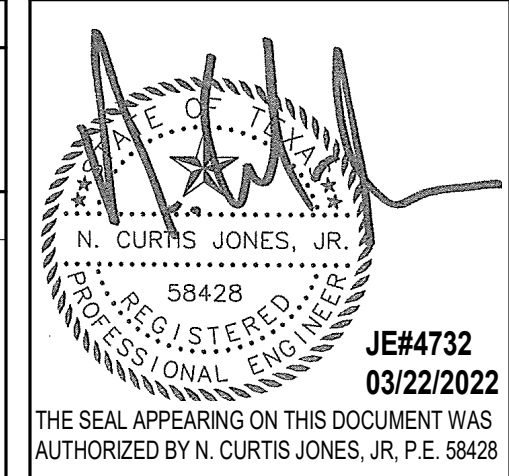
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TOM JONES
 DRAWN BY: MINAHIL SAMEE
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

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SHEET NAME: ELECTRICAL POWER PLAN - LEVEL 1

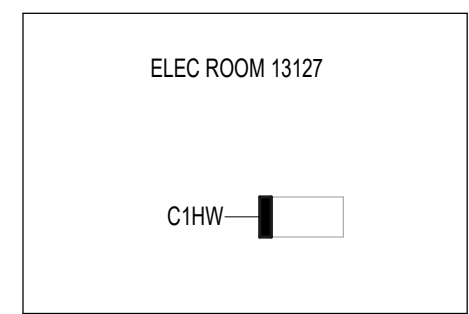
SHEET No. EP104 SCALE: 1/8" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



1 POWER PLAN - LEVEL 1

1/8" = 1'-0"



PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
 FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
 HAS FILE:



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Houston, TX 77061

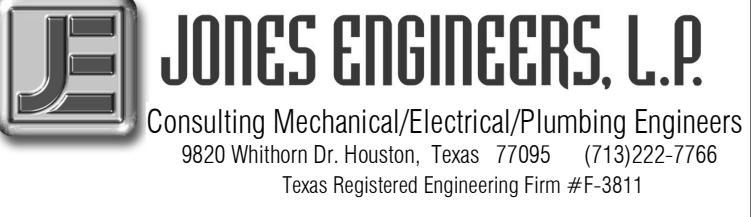
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

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| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: ALEX CASTRO
DRAWN BY: ALEX CASTRO
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

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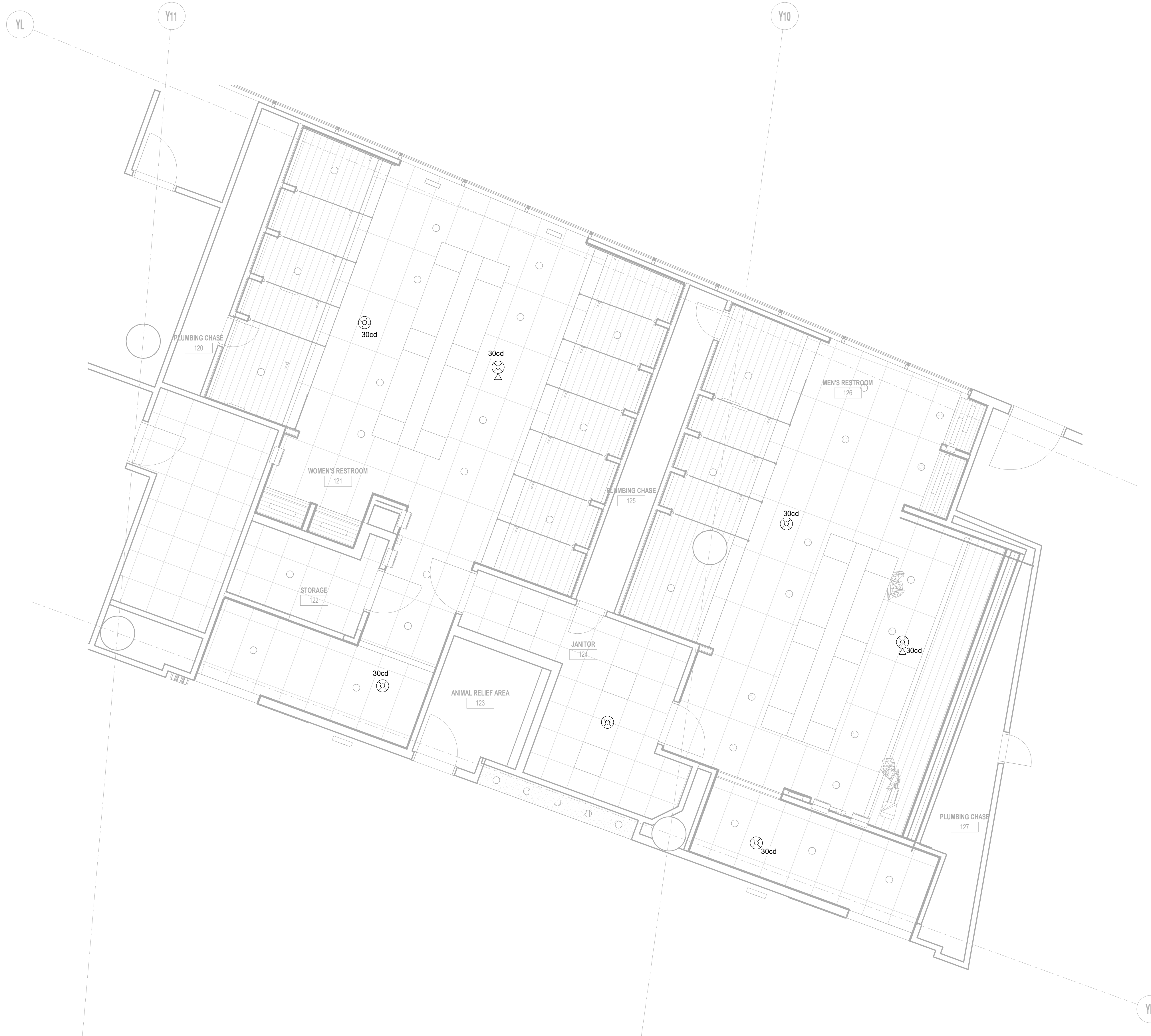
Review/Approval Category
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JE#4732
03/22/2022
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AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
FIRE ALARM PLAN - GATE 20-23 RESTROOMS

SHEET No. FA101 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



1 FIRE ALARM RCP - GATE 20-23
1/4" = 1'

PLOT DATE: DOA DWG FILE: HAS FILE: FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
OLD DOA No.: PLOT DATE:



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Houston, TX 77061

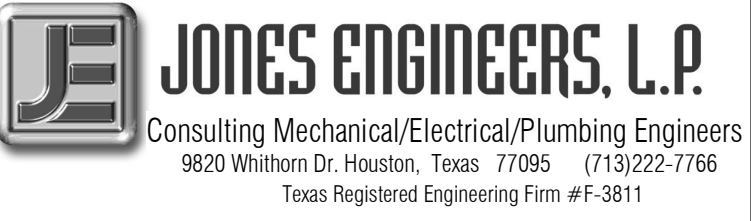
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

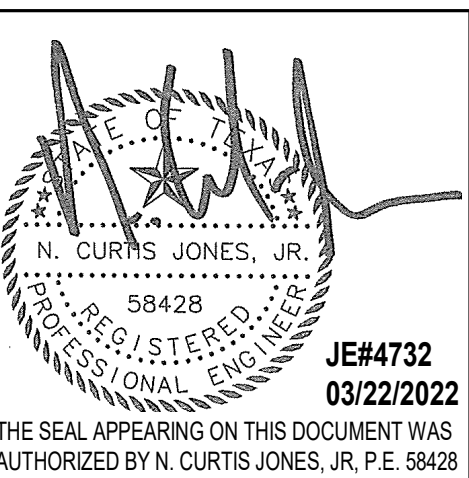
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: ALEX CASTRO
 DRAWN BY: ALEX CASTRO
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

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SHEET NAME:
FIRE ALARM PLAN - GATE 24-27 RESTROOMS

SHEET No. FA102 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE: FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt



1 FIRE ALARM RCP - GATE 24-27
1/4" = 1'-0"



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Houston, TX 77061

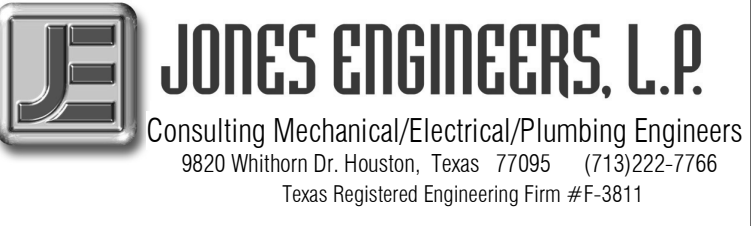
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

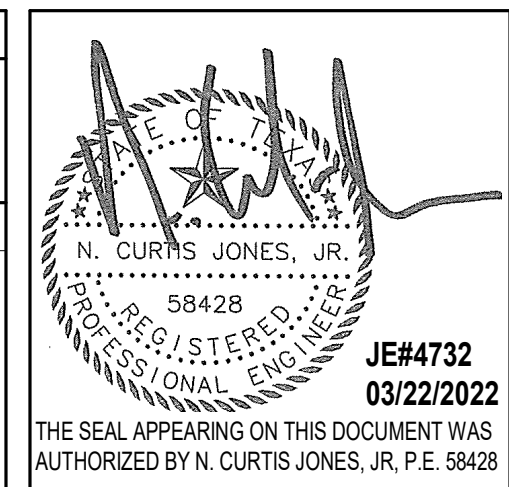
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: ALEX CASTRO
 DRAWN BY: ALEX CASTRO
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

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SHEET NAME:
FIRE ALARM PLAN - GATE 28-32 RESTROOMS

SHEET No. FA103 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



1 FIRE ALARM RCP - GATE 28-32
1/4" = 1'-0"

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE: FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt



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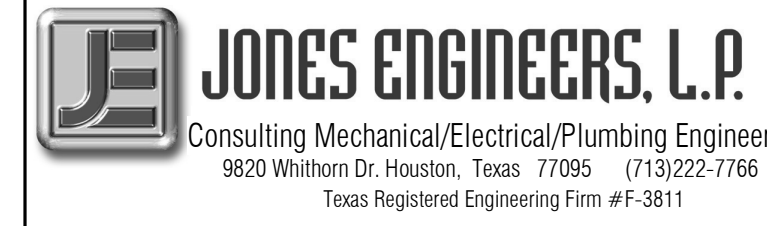
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

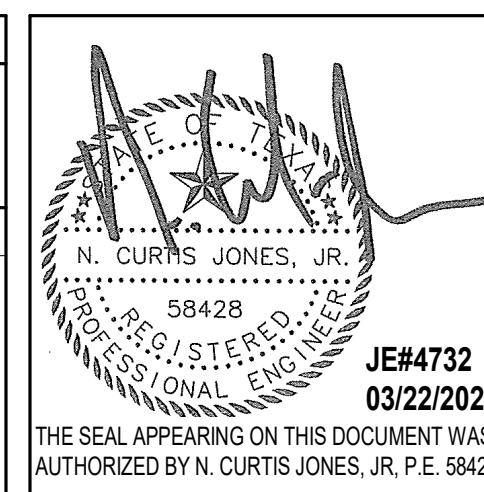
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

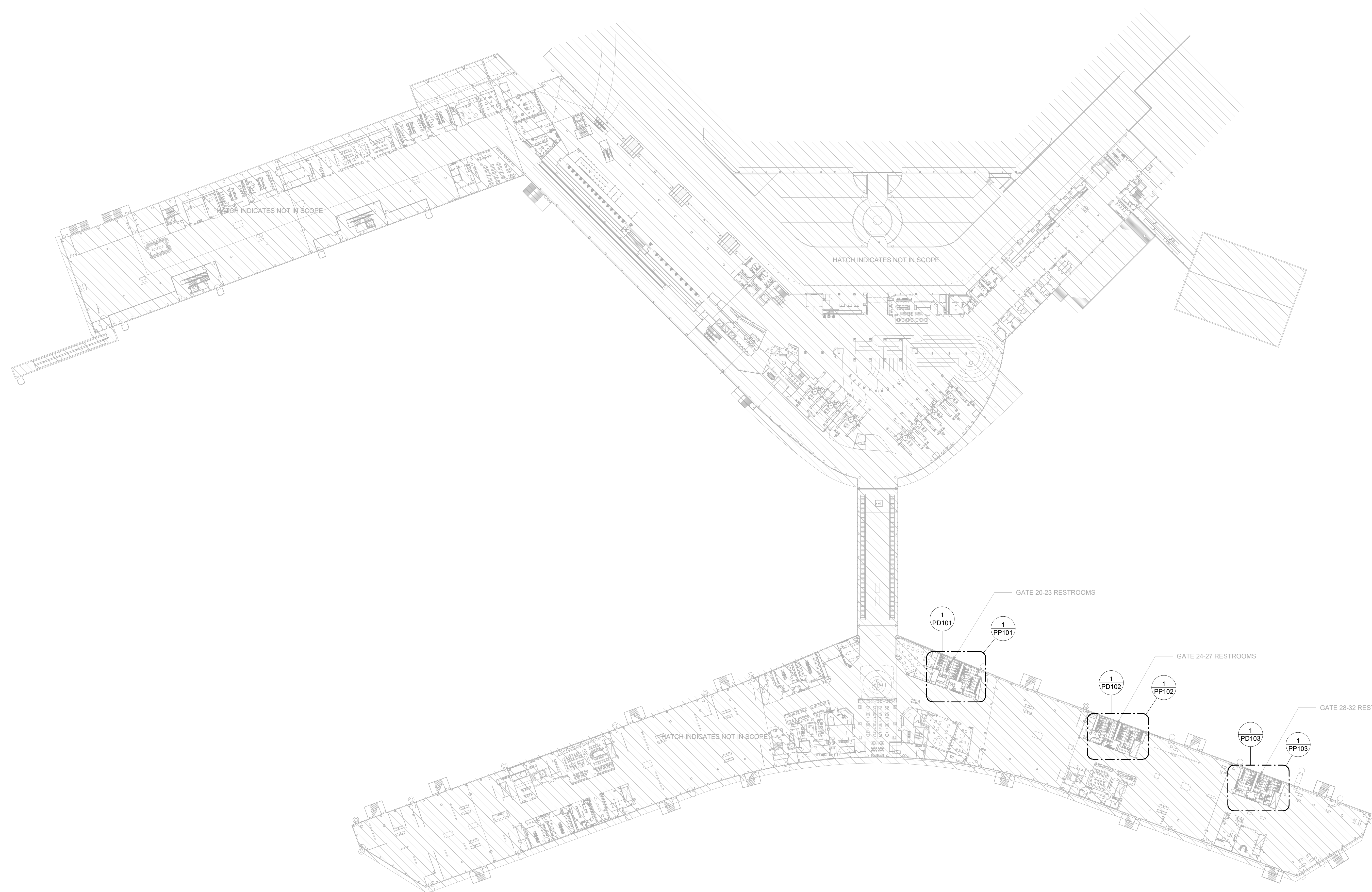
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SHEET NAME:
PLUMBING OVERALL RENOVATION PLAN -
LEVEL 2
SHEET No. PG100 SCALE: 1/64" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



1 PLBG OVERALL FLOOR PLAN - LEVEL 2
1/64" = 1'-0"

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:
FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
HAS FILE:

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

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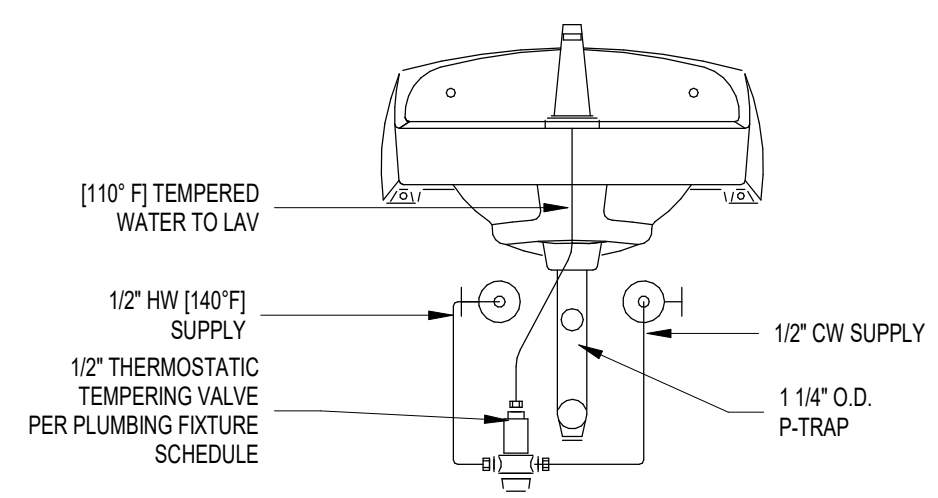
Review/Approval Category
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[Signature]
JE#4732
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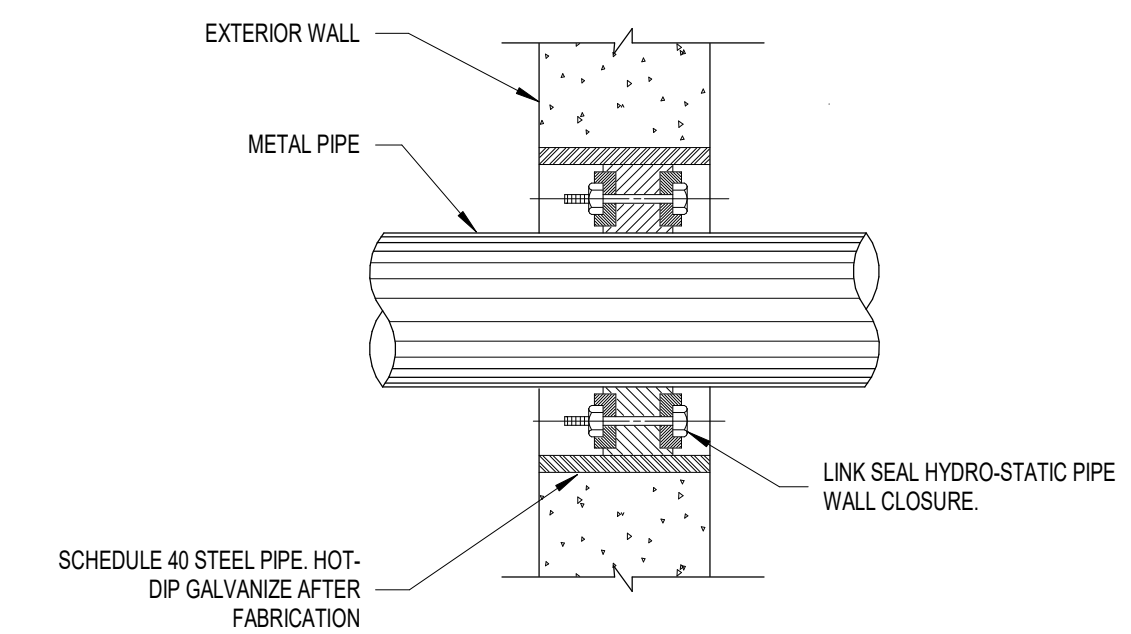
SHEET NAME: PLUMBING DETAILS

SHEET No. PG301 SCALE: As indicated

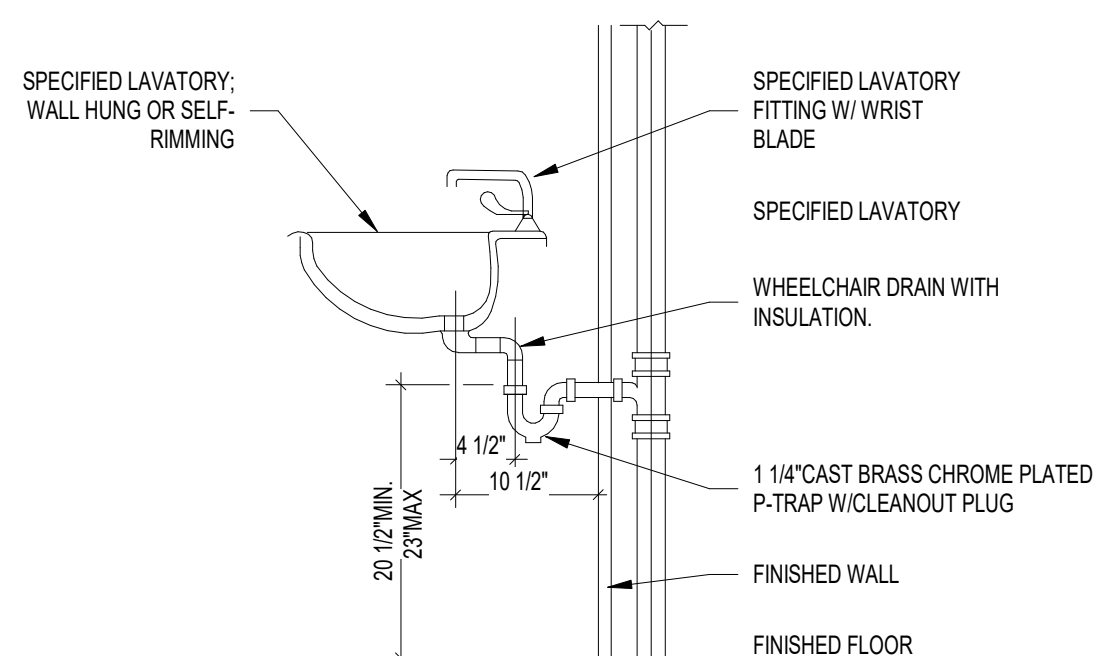
SHEET SIZE: 30"x42" ARCH E1



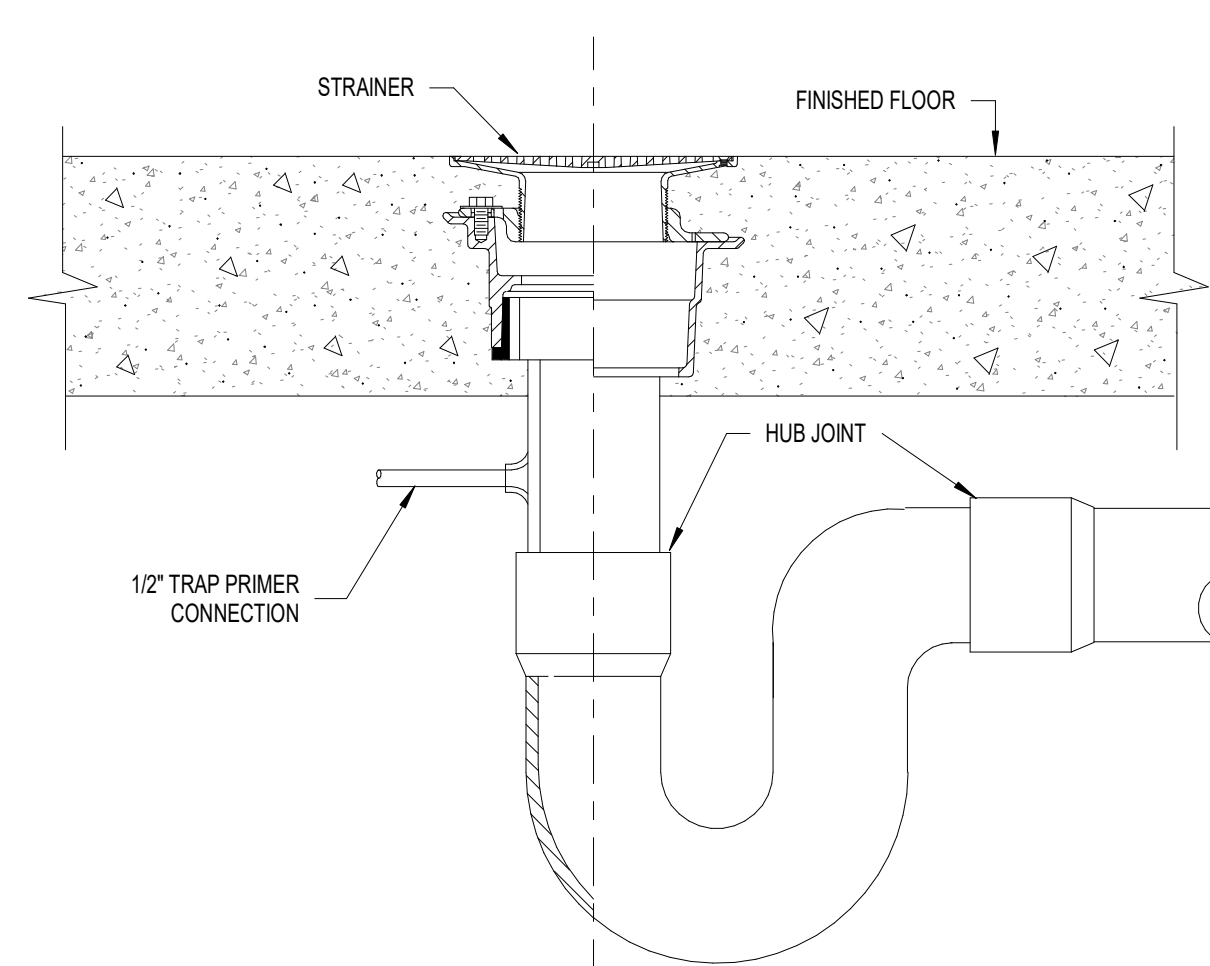
6 THERMOSTATIC MIXING VALVE DETAIL
NOT TO SCALE



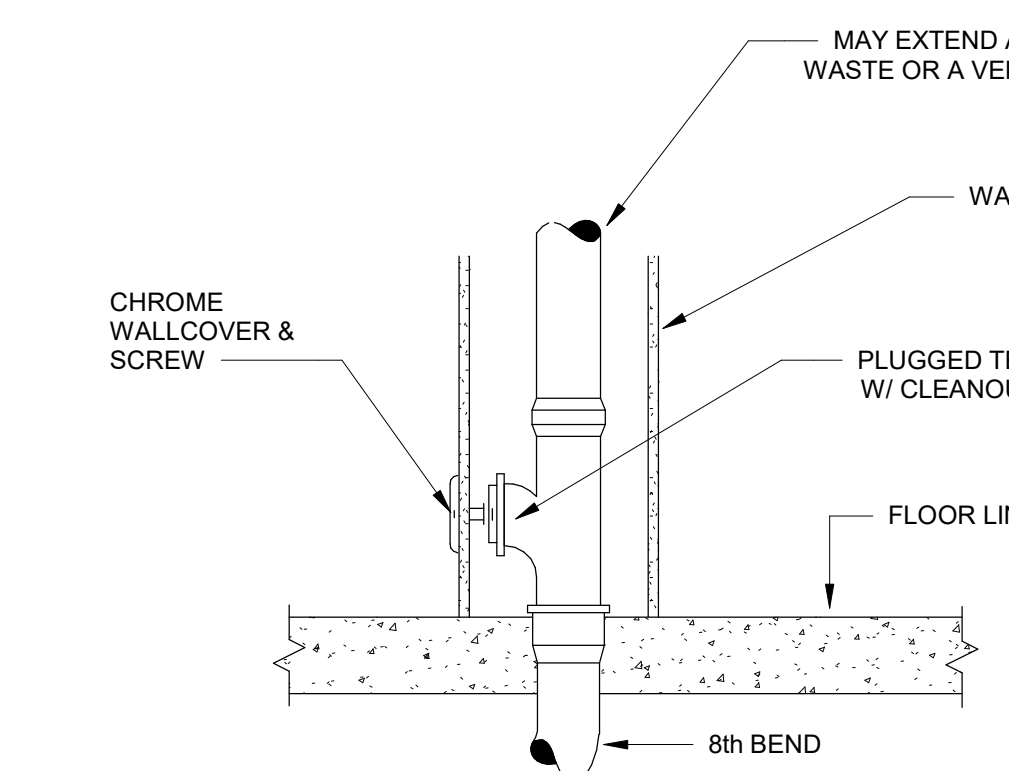
3 EXTERIOR WALL SLEEVE DETAIL
NOT TO SCALE



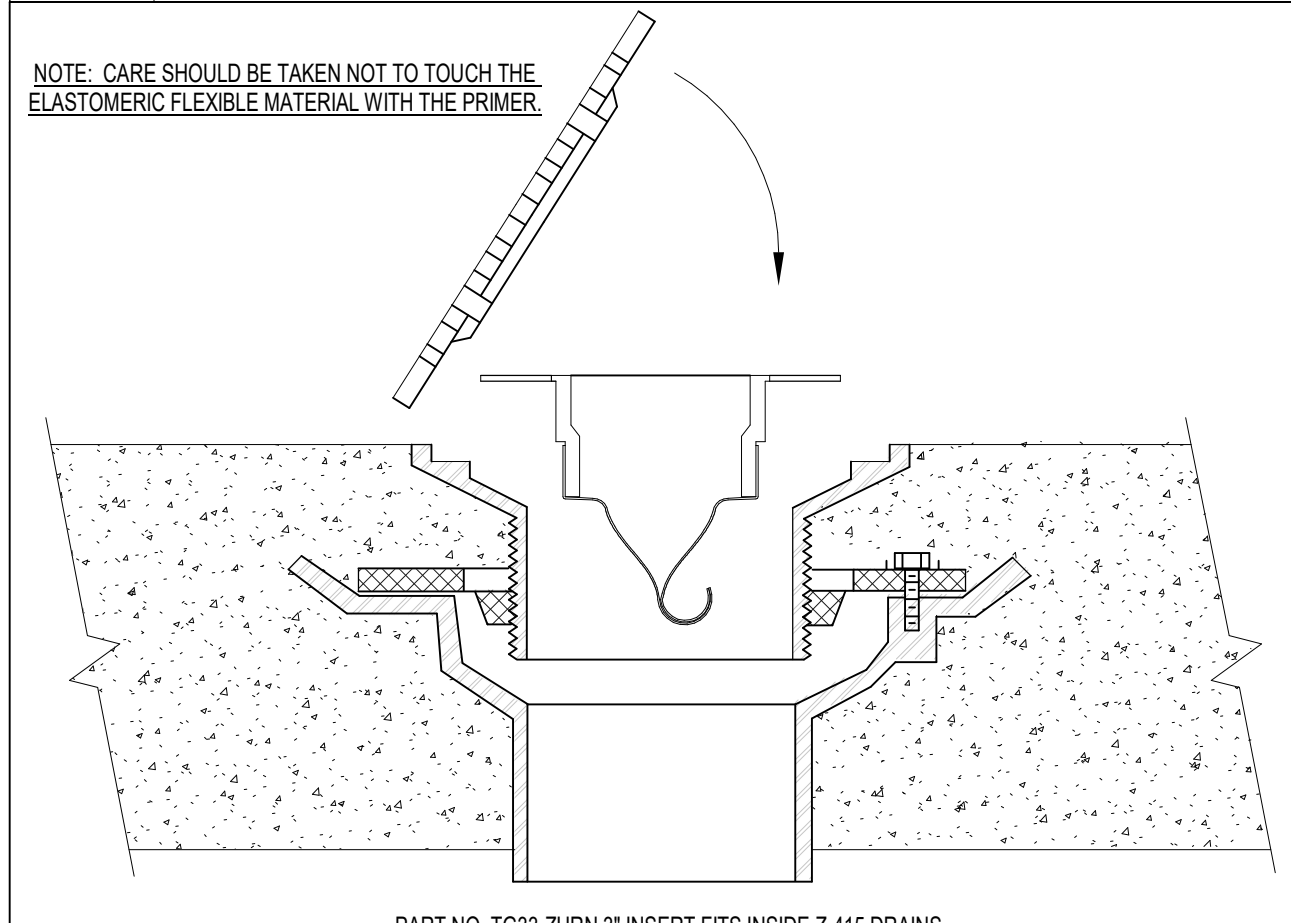
8 HANDICAPPED LAVATORY ROUGH-IN
NOT TO SCALE



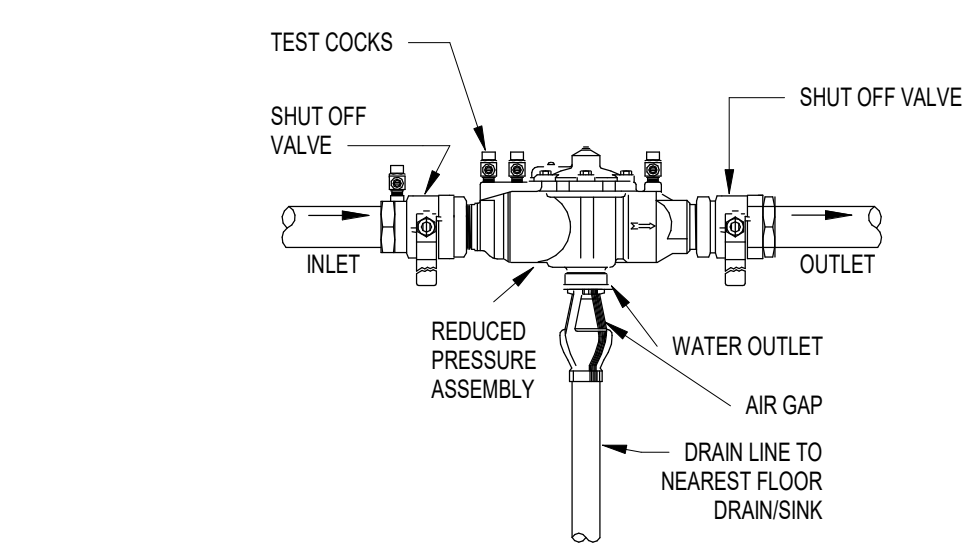
5 FLOOR DRAIN DETAIL
NOT TO SCALE



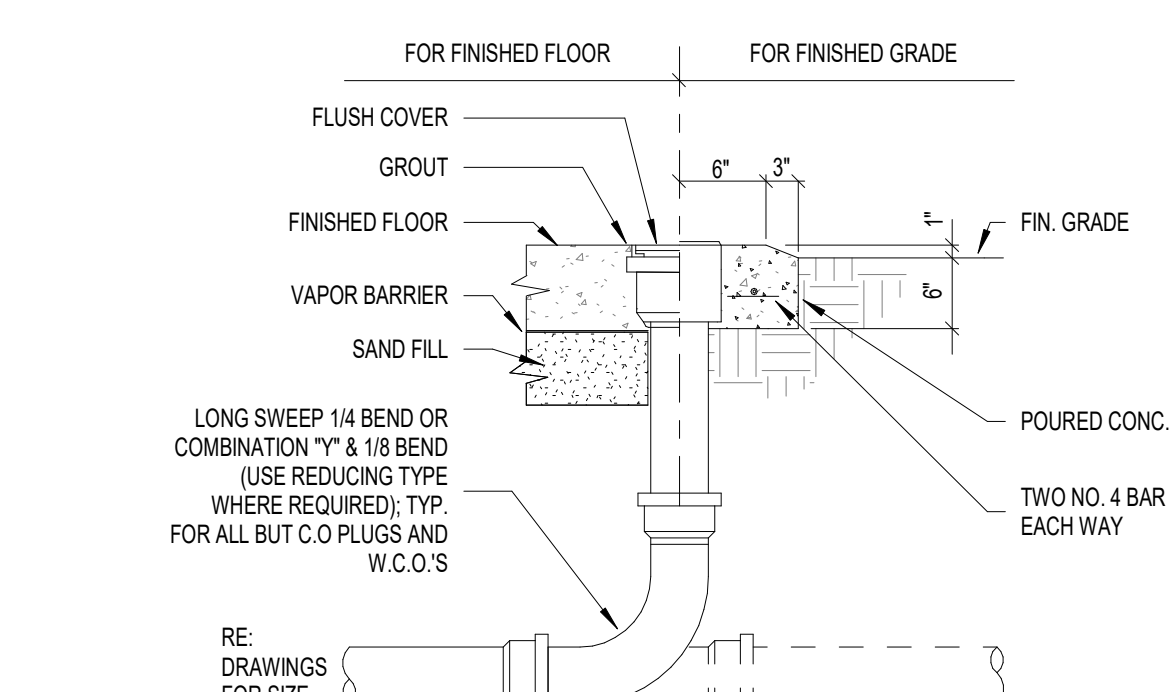
2 WALL CLEANOUT
NOT TO SCALE



7 TRAP GUARD INSERT DETAIL
NOT TO SCALE



4 REDUCED PRESSURE BACKFLOW PREVENTER
NOT TO SCALE



1 CLEANOUT DETAIL
NOT TO SCALE

A

B

C

D

E

FLOOR DRAIN SCHEDULE

| NOTES: | | | | | | | | | | |
|--|-------------|----------------|--------------------------|------|-------|------|-----------------|-------------|--|--|
| 1. ALL FLOOR DRAINS AND FLOOR SINKS TO USE PRECISION PLUMBING PRODUCTS TRAP PRIMERS OR APPROVED EQUAL. | | | | | | | | | | |
| MARK | FIXTURE | AREA(S) SERVED | ROUGH-IN CONNECTION SIZE | | | | MANUFACTURER | MODEL | DESCRIPTION AND NOTES | |
| | | | C.W. | H.W. | WASTE | VENT | | | | |
| FD-1 | FLOOR DRAIN | PUBLIC | - | - | 4" | 2" | ZURN INDUSTRIES | Z415B-4NH-P | FLOOR AND SHOWER DRAIN. NO-HUB CAST IRON BODY ASSEMBLY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND POLISHED NICKEL BRONZE. LIGHT DUTY 8" DIAMETER STRAINER. | |

PLUMBING FIXTURE AND CONNECTION SCHEDULE

| MARK | FIXTURE | AREA(S) SERVED | ROUGH-IN CONNECTION SIZE | | | | MANUFACTURER | MODEL | DESCRIPTION AND NOTES | |
|-------|---------------------------------|----------------|--------------------------|------|-------|--------|-----------------|------------------------------|--|--|
| | | | C.W. | H.W. | WASTE | VENT | | | | |
| EWC-1 | DRINKING FOUNTAIN | PUBLIC | 1/2" | - | 2" | 1-1/2" | HALSEY-TAYLOR | HYDROBOOST HTHB-HRFSEBP-I | WALL MOUNTED 8-LEVEL WATER FOUNTAIN WITH BOTTLE FILLING STATION. PUSHBAR ACTIVATION. BOTTLE FILLER PROVIDES 1.1-1.5 GPM FLOW RATE WITH LAMINAR FLOW TO MINIMIZE SPLASHING. FOR INDOOR APPLICATIONS. AN ELECTRONIC SENSOR FOR TOUCHLESS ACTIVATION WITH AUTO 20-SECOND SHUT-OFF TIMER. ANTI-MICROBIAL, 30% CERTIFIED LEAD-FREE DESIGN. CERTIFIED TO NSF/ANSI 61, 61.1, & 372 LEAD-FREE. ADA-COMPLIANT. | |
| L-1 | SINGLE BOWL SINK | PUBLIC | 1/2" | 1/2" | 2" | 1-1/2" | LOVAIR | L-S12 | BASIN: CUSTOM BASIN, WITH CUSTOM DRAIN LOCATION, CUSTOM OVERFLOW DRAIN LOCATION, CUSTOM FAUCET HOLE LOCATIONS, AND CUSTOM LENGTH AND DEPTH. FINISH SHALL BE DETERMINED BY ARCHITECT. ADA-COMPLIANT. FAUCET - LOVAIR L-R021 DECK-MOUNT ELECTRONIC RIBBON FAUCET. SATIN CHROME FINISH WITH PROXIMITY OPERATION WITH AUTO PURGE AND SAFETY TIMER. INTEGRATED DESIGN WITH SENSOR, SOLENOID VALVE AND ELECTRONICS ENCLOSED IN THE SPOUT. WATER PRESSURE RANGE FROM 20 - 120 PSI. VANDAL-RESISTANT SINGLE-POST MOUNTING. SINGLE INLET FOR COLD OR TEMPERED WATER. PRE-INSTALLED 24" FLEXIBLE INLET HOSE WITH FILTER ASSEMBLY AND 3/8" COMPRESSION FITTING. LEAD-FREE. 0.35 GPM PRESSURE COMPENSATING, MULTILAMINAR SPRAY. PROVIDE WITH HARD-WIRED AC POWER SUPPLY OR MULTITAC ADAPTOR AS REQUIRED. APPURTENANCES - KOHLER K-8998 P-TRAP WITH ADA TRAP PROTECTOR AND KOHLER K-7605 P SINK SUPPLY STOPS WITH FLEXIBLE LAVATORY SUPPLY AND SUPPLY STOP ADA PROTECTORS. ZURN Z8737 FLAT GRID SINK STRAINER. SEE ARCHITECTURAL DRAWINGS FOR SOAP DISPENSER. HAND DRYER - LOVAIR L-R031 | |
| L-2 | SINGLE BOWL SINK | PUBLIC | 1/2" | 1/2" | 2" | 1-1/2" | LOVAIR | L-S12 | BASIN: CUSTOM BASIN, WITH CUSTOM DRAIN LOCATION, CUSTOM OVERFLOW DRAIN LOCATION, CUSTOM FAUCET HOLE LOCATIONS, AND CUSTOM LENGTH AND DEPTH. FINISH SHALL BE DETERMINED BY ARCHITECT. ADA-COMPLIANT. FAUCET - LOVAIR L-R021 DECK-MOUNT ELECTRONIC RIBBON FAUCET. SATIN CHROME FINISH WITH PROXIMITY OPERATION WITH AUTO PURGE AND SAFETY TIMER. INTEGRATED DESIGN WITH SENSOR, SOLENOID VALVE AND ELECTRONICS ENCLOSED IN THE SPOUT. WATER PRESSURE RANGE FROM 20 - 120 PSI. VANDAL-RESISTANT SINGLE-POST MOUNTING. SINGLE INLET FOR COLD OR TEMPERED WATER. PRE-INSTALLED 24" FLEXIBLE INLET HOSE WITH FILTER ASSEMBLY AND 3/8" COMPRESSION FITTING. LEAD-FREE. 0.35 GPM PRESSURE COMPENSATING, MULTILAMINAR SPRAY. PROVIDE WITH HARD-WIRED AC POWER SUPPLY OR MULTITAC ADAPTOR AS REQUIRED. APPURTENANCES - KOHLER K-8998 P-TRAP WITH ADA TRAP PROTECTOR AND KOHLER K-7605 P SINK SUPPLY STOPS WITH FLEXIBLE LAVATORY SUPPLY AND SUPPLY STOP ADA PROTECTORS. ZURN Z8737 FLAT GRID SINK STRAINER. SEE ARCHITECTURAL DRAWINGS FOR SOAP DISPENSER. HAND DRYER - LOVAIR L-R031 | |
| MS-1 | SERVICE SINK | PUBLIC | 3/4" | 3/4" | 3" | 2" | ZURN INDUSTRIES | 1996-24 | BASIN: FLOOR MOUNTED, 24x24x10 SQUARE, MOP SERVICE BASIN WITH ZURN Z415B DRAIN BODY ASSEMBLY, STAINLESS-STEEL BUMPER GUARD AND STAINLESS-STEEL WALL GUARD. FAUCET: ZURN AQUASPEC Z84300-XL, CHROME PLATED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT. BODY INLETS 8" CENTER TO CENTER. COLD (BLUE) AND HOT (RED) INDICATORS. | |
| U-1 | URINAL | PUBLIC | 3/4" | - | 2" | 1-1/2" | TOTO USA, Inc. | UT104EV | 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 TETZLA SATIN FINISH. WALL MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE. TOTO TETZLA SATIN FINISH. | |
| U-2 | URINAL (ADA) | PUBLIC | 3/4" | - | 2" | 1-1/2" | TOTO USA, Inc. | UT104EV | 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 TETZLA SATIN FINISH. WALL MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE. TOTO TETZLA SATIN FINISH. | |
| WC-1 | WATER CLOSET (WALL-MOUNT) | PUBLIC | 1" | - | 4" | 2" | TOTO USA, Inc. | CT708EVG | 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 TETZLA SATIN FINISH. WALL MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE. TOTO TETZLA 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 PINPLES. COMPLYING WITH IAPMO/ANSI Z124.5-2013. TOTO SC534. | |
| WC-2 | WATER CLOSET (WALL-MOUNT) (ADA) | PUBLIC | 1" | - | 4" | 2" | TOTO USA, Inc. | CT708EVG | 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 TETZLA SATIN FINISH. WALL MOUNTED FLUSHOMETER FOR SCENARIOS WITHOUT WALK-IN CHASE. TOTO TETZLA 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 PINPLES. COMPLYING WITH IAPMO/ANSI Z124.5-2013. TOTO SC534. | |

PLUMBING PIPE MATERIALS

| SYSTEM: | SERVICE: |
|----------------------------------|-----------------|
| DOMESTIC WATER PIPE, ABOVE GRADE | TYPE 'L' COPPER |
| SANITARY SEWER, ABOVE GRADE | CAST IRON |



7800 Airport Blvd
Houston, TX 77061

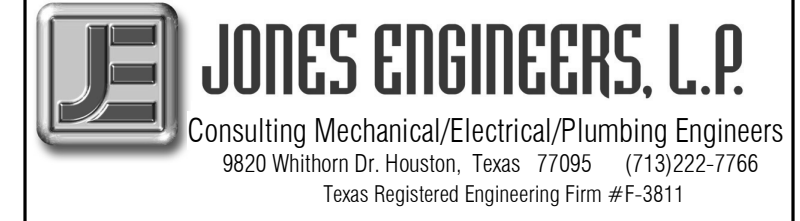
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

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Consulting Mechanical/Electrical/Plumbing Engineers
5820 Whitburn Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

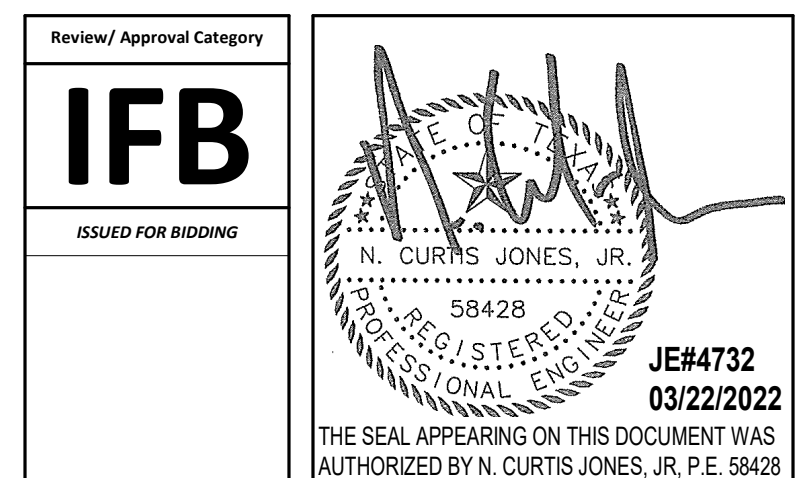
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

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of
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SHEET NAME: PLUMBING SCHEDULES
SHEET No. PG401 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP2D.rvt

HAS FILE:

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



7800 Airport Blvd
Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
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Texas Registered Engineering Firm #F-3811

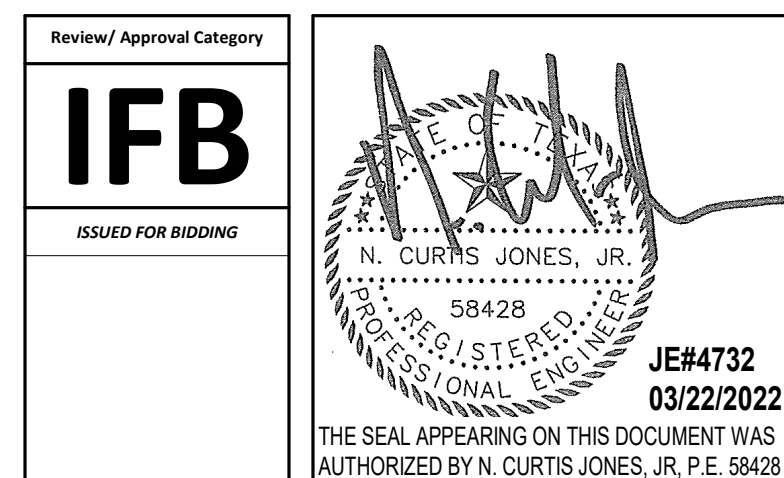
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

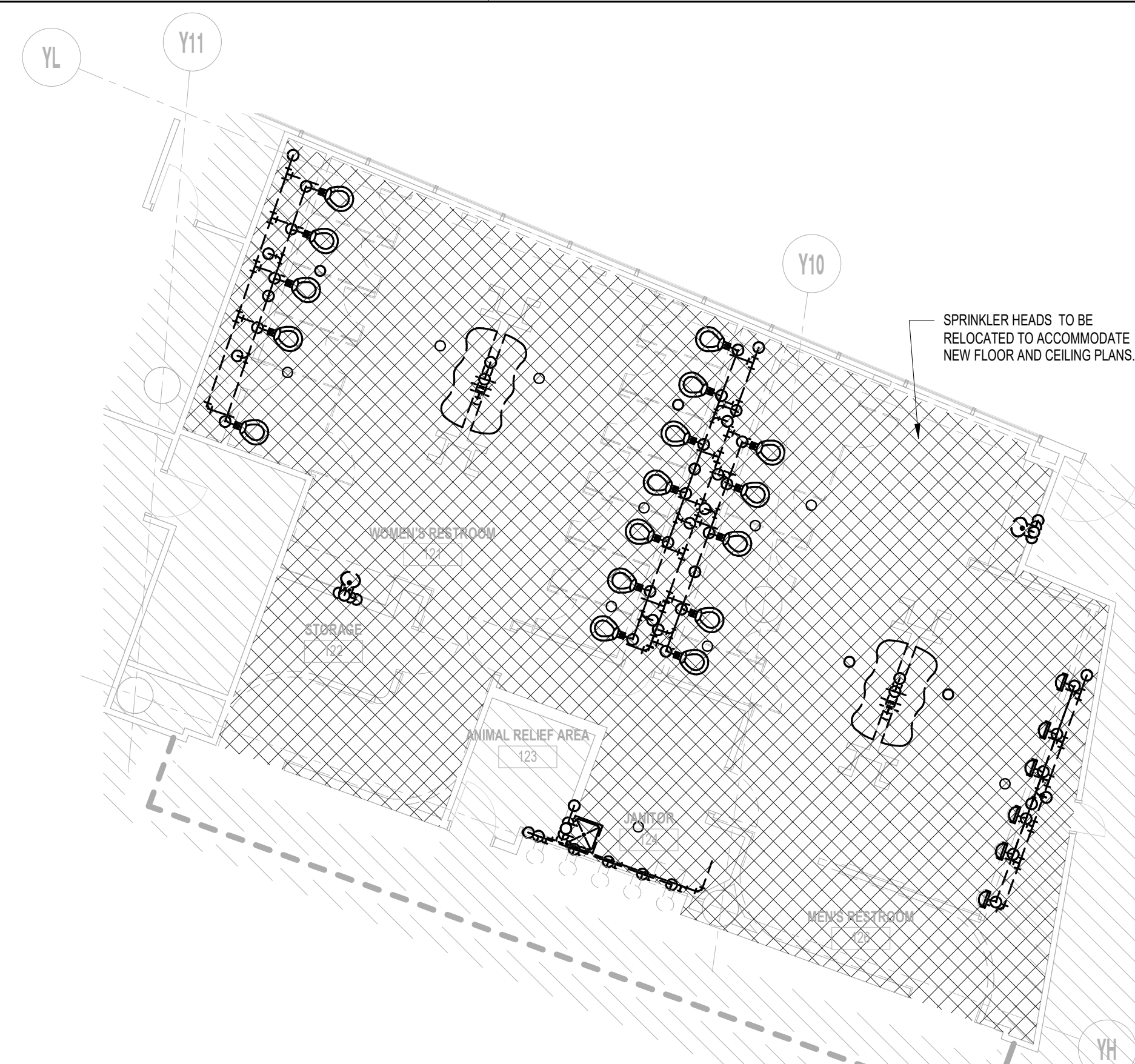
DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

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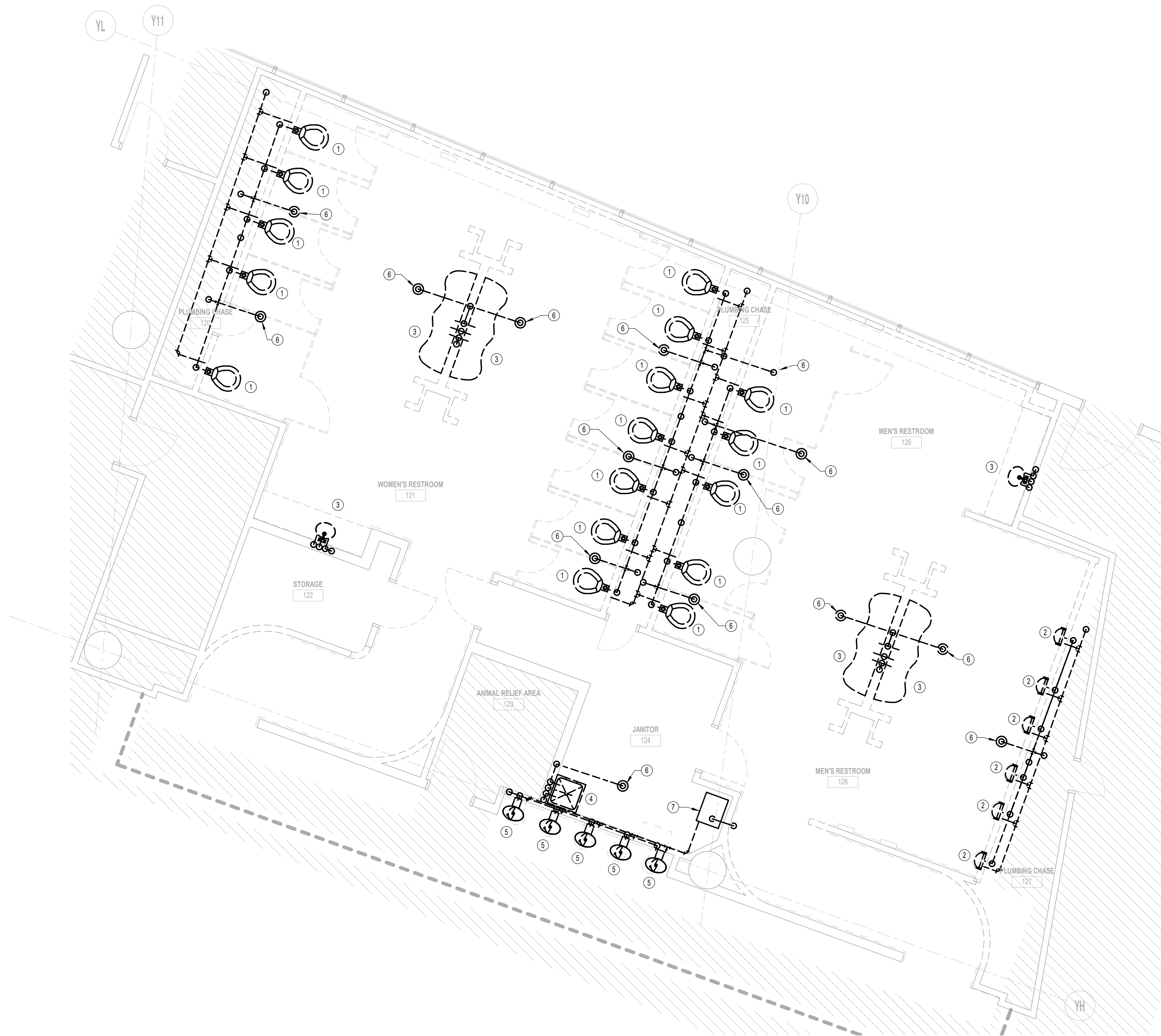


SHEET NAME:
PLUMBING DEMOLITION PLAN - GATE 20-23 RESTROOMS
SHEET No. PD101 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



2 FIRE PROTECTION DEMOLITION PLAN - GATE 20-23 RESTROOMS
1/8" = 1'-0"



1 PLUMBING DEMOLITION PLAN - GATE 20-23 RESTROOMS
1/8" = 1'-0"

| DEMOLITION PLAN KEY 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 | DISCONNECT & REMOVE EXISTING MOP SINK 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. |
| 5 | DISCONNECT & REMOVE EXISTING ELECTRIC DRINKING FOUNTAIN 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. |
| 6 | 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. |
| 7 | EXISTING REMOTE CHILLER TO REMAIN. |

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
HAS FILE:
PLOT DATE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No.:



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Houston, TX 77061

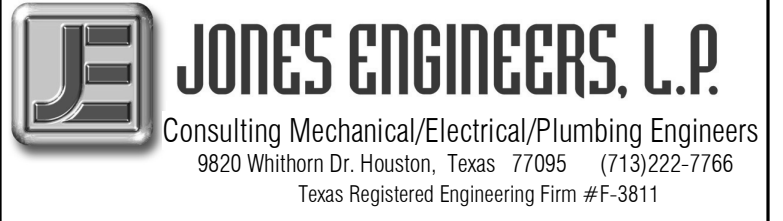
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

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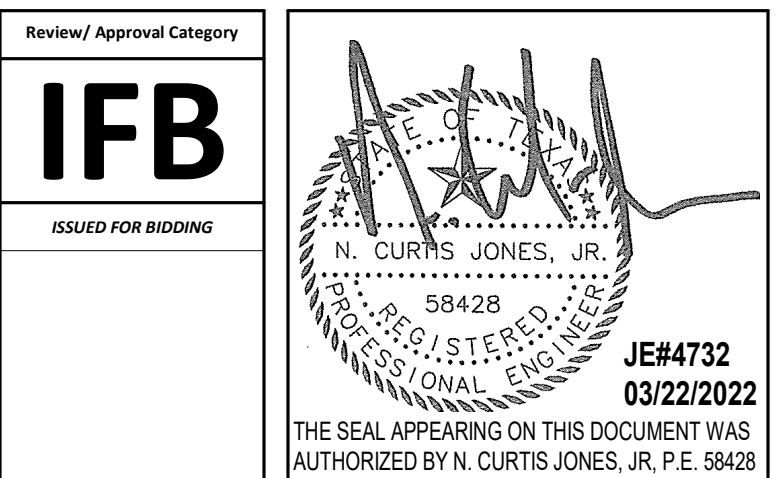
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME:
PLUMBING DEMOLITION PLAN - GATE 24-27
RESTROOMS

SHEET No. PD102 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

2 FIRE PROTECTION DEMOLITION PLAN - GATE 24-27 RESTROOMS

1/8" = 1'-0"

1 PLUMBING DEMOLITION PLAN - GATE 24-27 RESTROOMS

1/8" = 1'-0"

| DEMOLITION PLAN KEY 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 DOW 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 DOW 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. |
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| 4 | DISCONNECT & REMOVE EXISTING MOP SINK INCLUDING, BUT NOT LIMITED TO: FIXTURE, TRIM, CARRIER, WASTE, VENT & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DOW 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. |
| 5 | DISCONNECT & REMOVE EXISTING ELECTRIC DRINKING FOUNTAIN INCLUDING, BUT NOT LIMITED TO: FIXTURE, TRIM, CARRIER, WASTE, VENT & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORESAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DOW 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. |
| 6 | DISCONNECT & REMOVE EXISTING FLOOR DRAIN, INCLUDING BUT NOT LIMITED TO: FIXTURE, 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. |
| 7 | EXISTING REMOTE CHILLER TO REMAIN. |

SPRINKLER HEADS TO BE RELOCATED TO ACCOMMODATE NEW FLOOR AND CEILING PLANS

FILE PATH: BIM 360//1429.06 Hobby Airport Restroom Renovations/4732_MEP2D.rvt
HAS FILE:
PLOT DATE:
OLD DDA No.:
DOA DWG FILE:
PLOT DATE:



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Houston, TX 77061

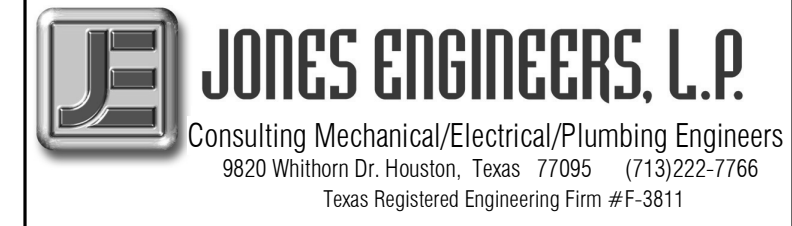
HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects

ARCHITECTURE PLANNING INTERIORS

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5820 Whitson Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

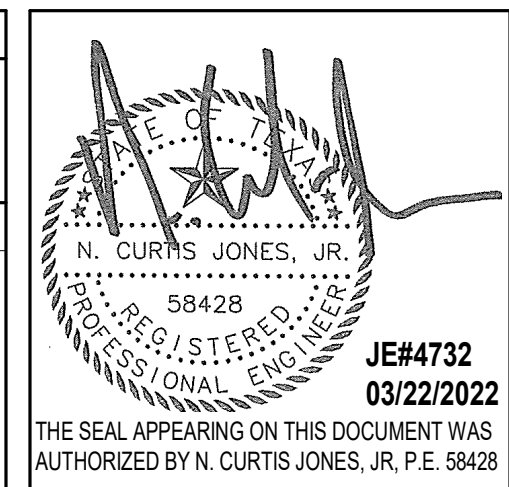
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

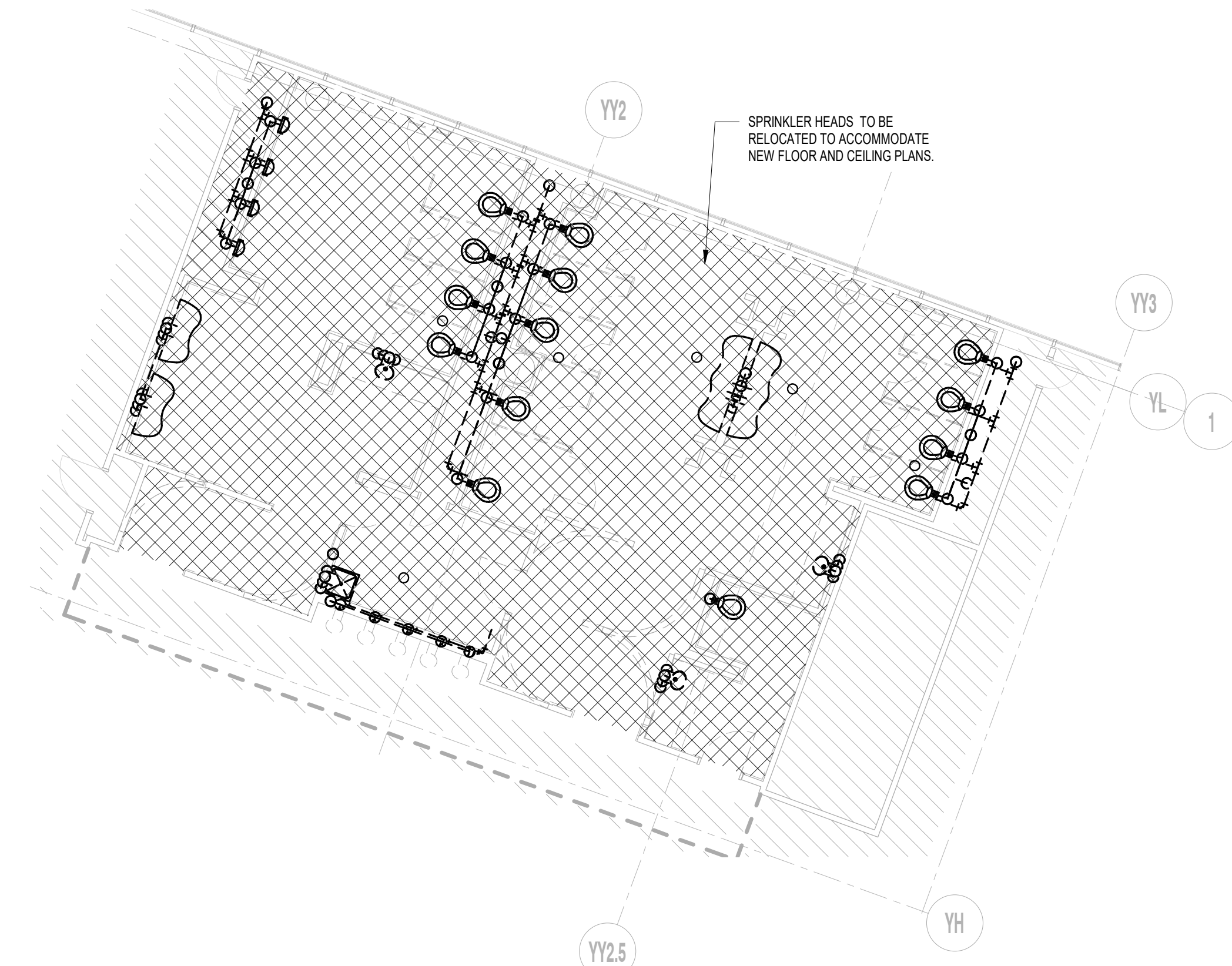


SHEET NAME:
PLUMBING DEMOLITION PLAN - GATE 28-32
RESTROOMS
SHEET No. PD103 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

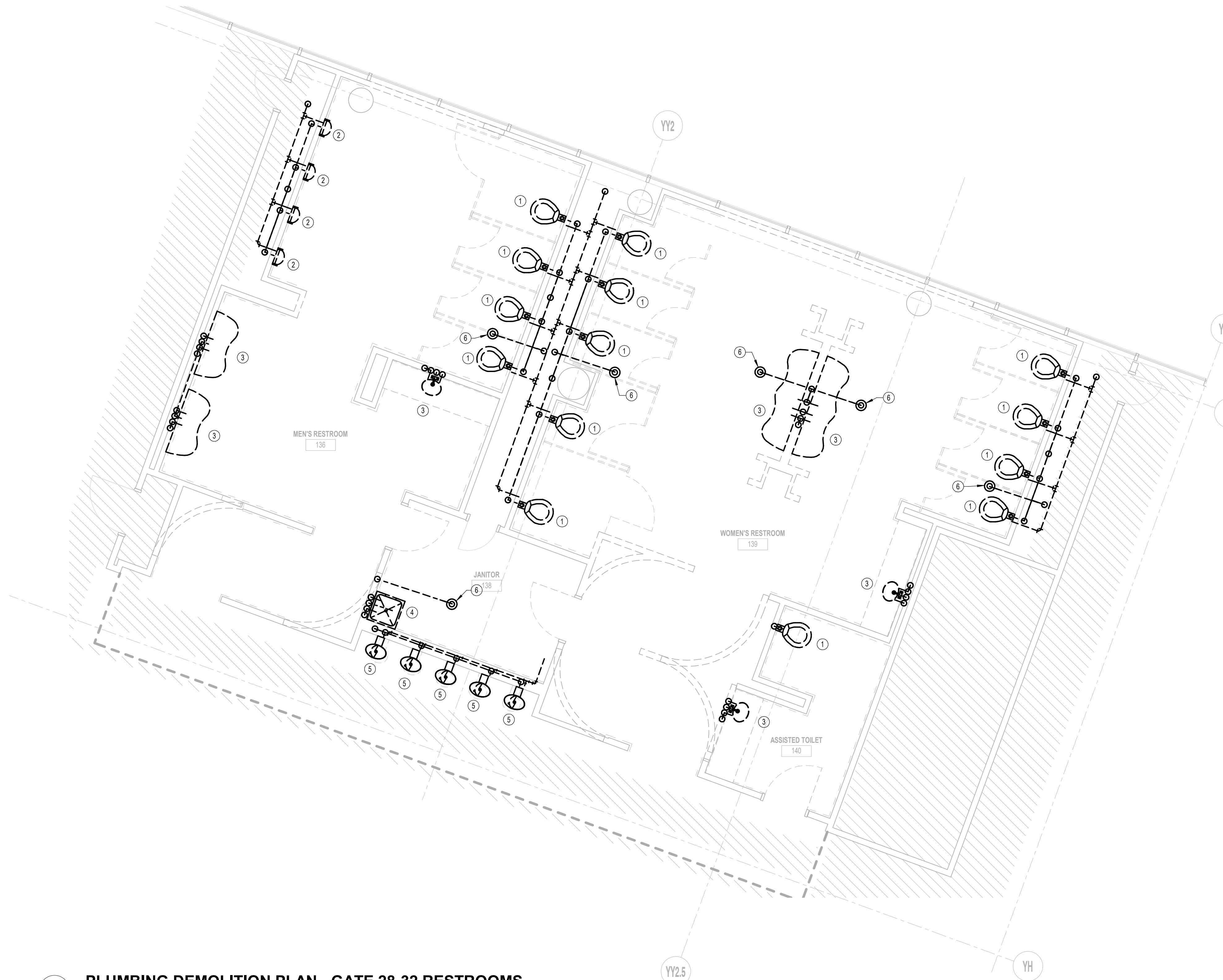
2 FIRE PROTECTION DEMOLITION PLAN - GATE 28-32 RESTROOMS

1/8" = 1'-0"



1 PLUMBING DEMOLITION PLAN - GATE 28-32 RESTROOMS

1/8" = 1'-0"



DEMOLITION PLAN KEY 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 DOW 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. |
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| 6 | 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. |

FILE PATH: BIM 360//1429.06 Hobby Airport Restroom Renovations/4732_MEP2D.rvt
HAS FILE:
PLOT DATE:
OLD DWA No. :
DOA DWG FILE:
PLOT DATE:

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732 MEP20.rvt

HAS FILE:

A B C D E

4

3

2

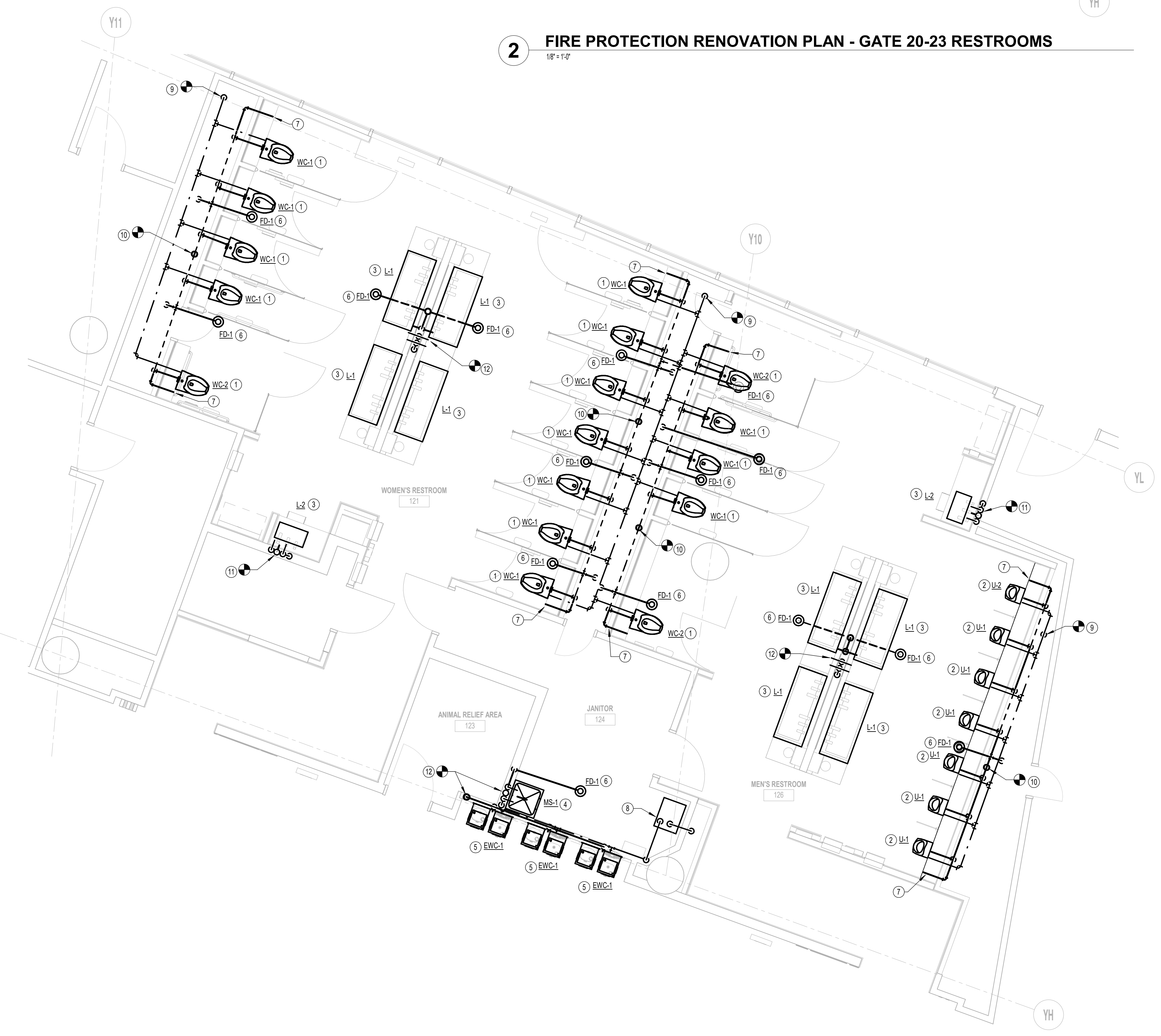
1



GENERAL NOTE:
 BUILDING TO BE 100%
 SPRINKLERED, PER NFPA 13.

GENERAL NOTE:
 ALL PUBLIC SINKS AND
 LAVATORIES SHALL BE SET
 TO A MAXIMUM OF 110°F.

2 FIRE PROTECTION RENOVATION PLAN - GATE 20-23 RESTROOMS
 18' x 14'



1 PLUMBING RENOVATION PLAN - GATE 20-23 RESTROOMS
 18' x 14'

| RENOVATION PLAN KEY 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. |
| 4 | PROVIDE NEW MSP SINK 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. |
| 5 | PROVIDE NEW ELECTRIC DRINKING FOUNTAIN 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. |
| 6 | 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. |
| 7 | PROVIDE NEW CLEAN OUT IN EASILY ACCESSIBLE LOCATION. |
| 8 | EXISTING REMOTE CHILLER TO REMAIN. |
| 9 | CONNECT NEW 2" DOW LINE TO EXISTING DOW RISER, WITH 1-1/2" DOW BRANCHES FOR WATER CLOSETS. PROVIDE ISOLATION SHUT-OFF VALVE IN A CONVENIENT ACCESSIBLE LOCATION FOR BANK OF WATER CLOSETS. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 10 | 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. |
| 11 | CONNECT NEW 3/4" DOW, 3/4" DHW, 3/4" DHWR, 2" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |
| 12 | CONNECT NEW 3/4" DOW, 3/4" DHW, 3/4" DHWR, 4" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |

HOUSTON AIRPORTS
 7800 Airport Blvd
 Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
 C.O.H. No. D.O.A. No.

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

JONES ENGINEERS, L.P.
 Consulting Mechanical/Electrical/Plumbing Engineers
 5820 Whitburn Dr. Houston, Texas 77055 (713)222-7766
 Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05
 PROJECT STATUS: IFB

| REVISIONS | | |
|-----------|-------------------|-------------|
| No. | DESCRIPTION | DATE BY |
| 1 | Issue for Bidding | 03.22.22 JF |

DESIGN BY: TIM LUBER
 DRAWN BY: TIM LUBER
 CHECKED BY: RON HUGHES
 ISSUE DATE: 03.22.22
 APPROVED BY: N CURT JONES
 APPROVAL DATE: 03/22/2022

DIRECTOR
 of
 HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
 ISSUED FOR BIDDING

JE#4732
 03/22/2022
 N. CURTIS JONES, JR.
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
 PLUMBING RENOVATION PLAN - GATE 20-23 RESTROOMS

SHEET No. PP101 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/4732_MEP2D.rvt

HAS FILE:

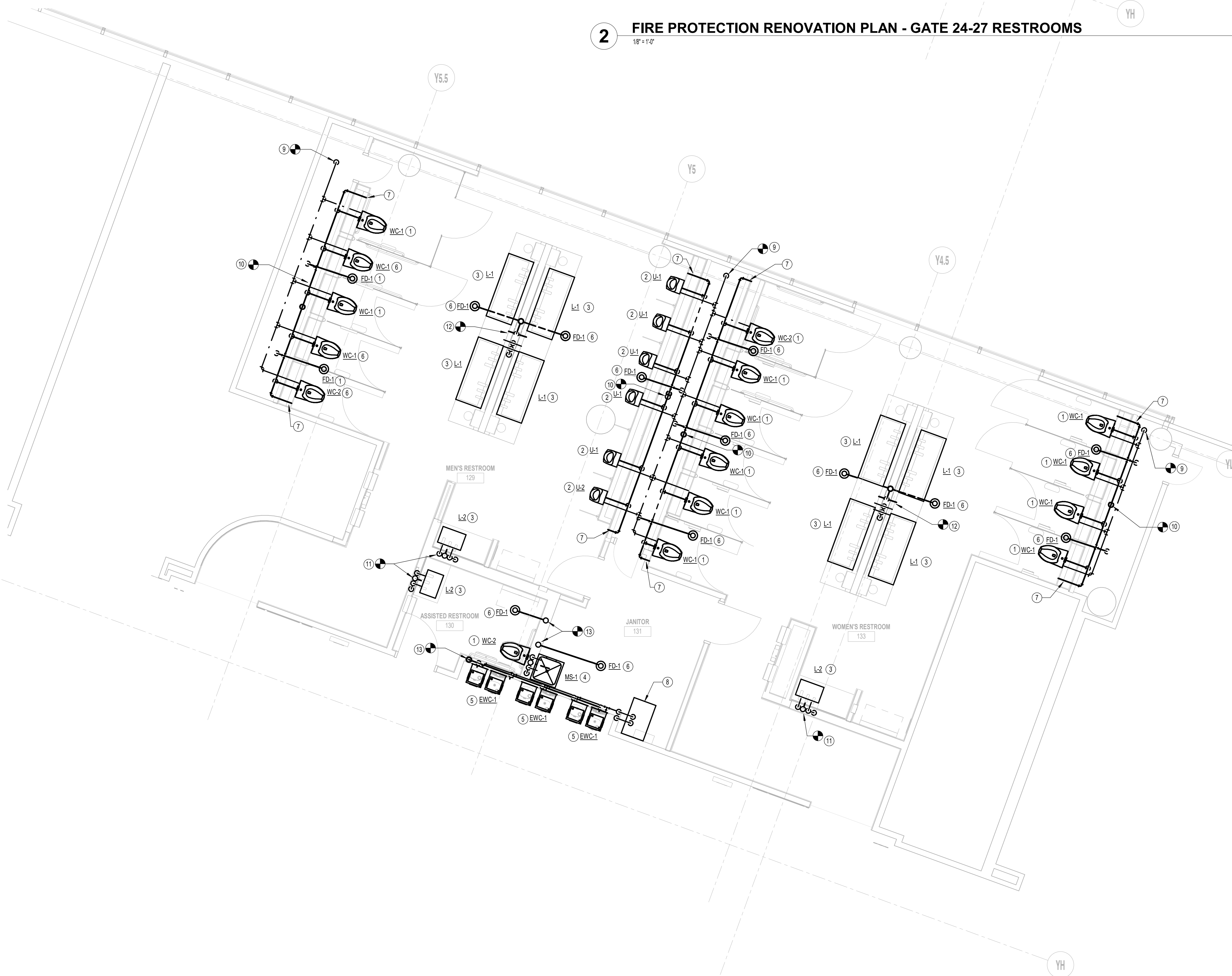
A B C D E

A B C D E

GENERAL NOTE:
BUILDING TO BE 100%
SPRINKLERED, PER NFPA 13.

GENERAL NOTE:
ALL PUBLIC SINKS AND
LAVATORIES SHALL BE SET
TO A MAXIMUM OF 110°F.

2 FIRE PROTECTION RENOVATION PLAN - GATE 24-27 RESTROOMS
1/8" = 1'-0"



RENOVATION PLAN KEY 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 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. |
| 4 | PROVIDE NEW MOP SINK 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. |
| 5 | PROVIDE NEW ELECTRIC DRINKING FOUNTAIN 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. CONNECT TO EXISTING REMOTE CHILLER. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 6 | 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. |
| 7 | PROVIDE NEW CLEAN OUT IN EASILY ACCESSIBLE LOCATION. |
| 8 | EXISTING REMOTE CHILLER TO REMAIN. |
| 9 | CONNECT NEW 2" DOW LINE TO EXISTING DOW RISER, WITH 1-1/2" DOW BRANCHES FOR WATER CLOSETS. PROVIDE ISOLATION SHUT-OFF VALVE IN A CONVENIENT ACCESSIBLE LOCATION FOR BANK OF WATER CLOSETS. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 10 | 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. |
| 11 | CONNECT NEW 3/4" DOW, 3/4" DHW, 3/4" DHWR, 2" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |
| 12 | CONNECT NEW 3/4" DOW, 3/4" DHW, 3/4" DHWR, 4" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |
| 13 | CONNECT NEW 1-1/2" DOW, 3/4" DHW, 3/4" DHWR, 4" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |

1 PLUMBING RENOVATION PLAN - GATE 24-27 RESTROOMS
1/8" = 1'-0"

HOUSTON AIRPORTS
7800 Airport Blvd
Houston, TX 77061

HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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
5820 Whitson Dr. Houston, Texas 77055 (713)222-7766
Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: IFB

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/Approval Category
IFB
ISSUED FOR BIDDING

JE#4732
03/22/2022
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:
PLUMBING RENOVATION PLAN - GATE 24-27 RESTROOMS

SHEET No. PP102 SCALE: As indicated

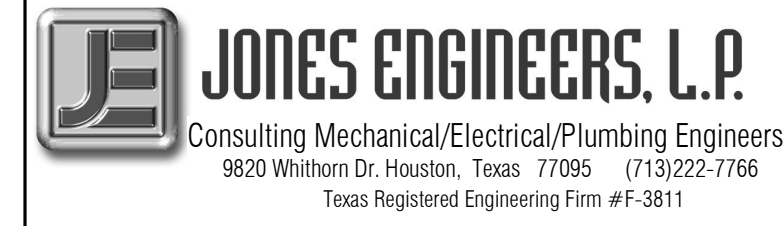
SHEET SIZE: 30"x42" ARCH E1

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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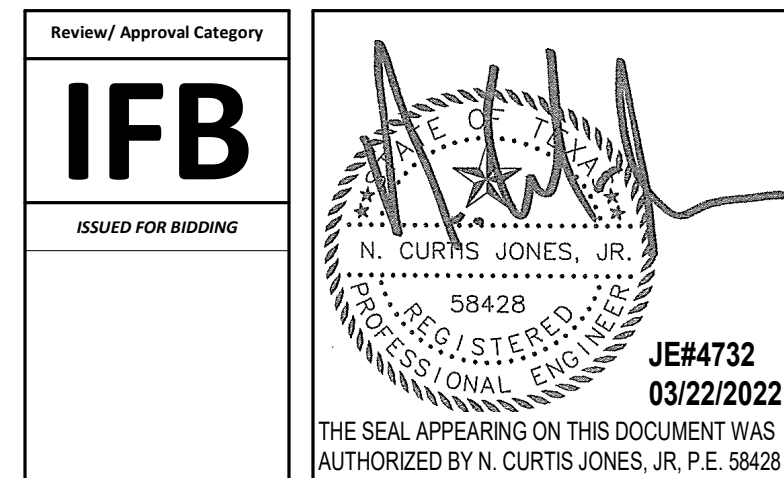
DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JF |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

DIRECTOR
of
HOUSTON AIRPORT SYSTEM



SHEET NAME:
PLUMBING RENOVATION PLAN - GATE 28-32
RESTROOMS
SHEET No. PP103 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

GENERAL NOTE:
BUILDING TO BE 100%
SPRINKLERED, PER NFPA 13.

GENERAL NOTE:
ALL PUBLIC SINKS AND
LAVATORIES SHALL BE SET
TO A MAXIMUM OF 110°F.

2 FIRE PROTECTION RENOVATION PLAN - GATE 28-32 RESTROOMS
1/8" = 1'-0"

1 PLUMBING RENOVATION PLAN - GATE 28-32 RESTROOMS
1/4" = 1'-0"

| # | 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. |
| 4 | PROVIDE NEW MOP SINK 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. |
| 5 | PROVIDE NEW ELECTRIC DRINKING FOUNTAIN 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. CONNECT TO EXISTING REMOTE CHILLER. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 6 | 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. |
| 7 | PROVIDE NEW CLEAN OUT IN EASILY ACCESSIBLE LOCATION. |
| 8 | PROVIDE NEW REMOTE CHILLER, ELKAY BERT191, 19 GPH, 97 AMP, 750 WATT, 115V. ROUTE ALL NEW SANITARY WASTE & VENT AND DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. |
| 9 | CONNECT NEW 2" DOW LINE TO EXISTING DOW RISER, WITH 1-1/2" DOW BRANCHES FOR WATER CLOSETS. PROVIDE ISOLATION SHUT-OFF VALVE IN A CONVENIENT ACCESSIBLE LOCATION FOR BANK OF WATER CLOSETS. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |
| 10 | 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. |
| 11 | CONNECT NEW 3/4" DOW, 3/4" DHW, 3/4" DHWR, 2" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |
| 12 | CONNECT NEW 3/4" DOW, 3/4" DHW, 3/4" DHWR, 4" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |
| 13 | CONNECT NEW 1-1/2" DOW, 3/4" DHW, 3/4" DHWR, 4" SAN WASTE AND VENT TO EXISTING DOW, DHW, DHWR, SAN WASTE AND 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. |
| 14 | CONNECT NEW 1" DOW LINE TO EXISTING DOW RISER. PROVIDE ISOLATION SHUT-OFF VALVE IN A CONVENIENT ACCESSIBLE LOCATION. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORESAW CUT FLOOR AS REQUIRED. |

FILE PATH: BIM 360//1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt

HAS FILE:

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

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN466B A.I.P. No.
C.O.H. No. D.O.A. No.

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Consulting Mechanical/Electrical/Plumbing Engineers
9820 Whitton Dr. Houston, Texas 77095 (713)222-7766
Texas Registered Engineering Firm #F-3811

DESIGNER PROJECT No.: 1429.05
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 1 | Issue for Bidding | 03.22.22 | JE |

DESIGN BY: TIM LUBER
DRAWN BY: TIM LUBER
CHECKED BY: RON HUGHES
ISSUE DATE: 03.22.22
APPROVED BY: N CURT JONES
APPROVAL DATE: 03/22/2022

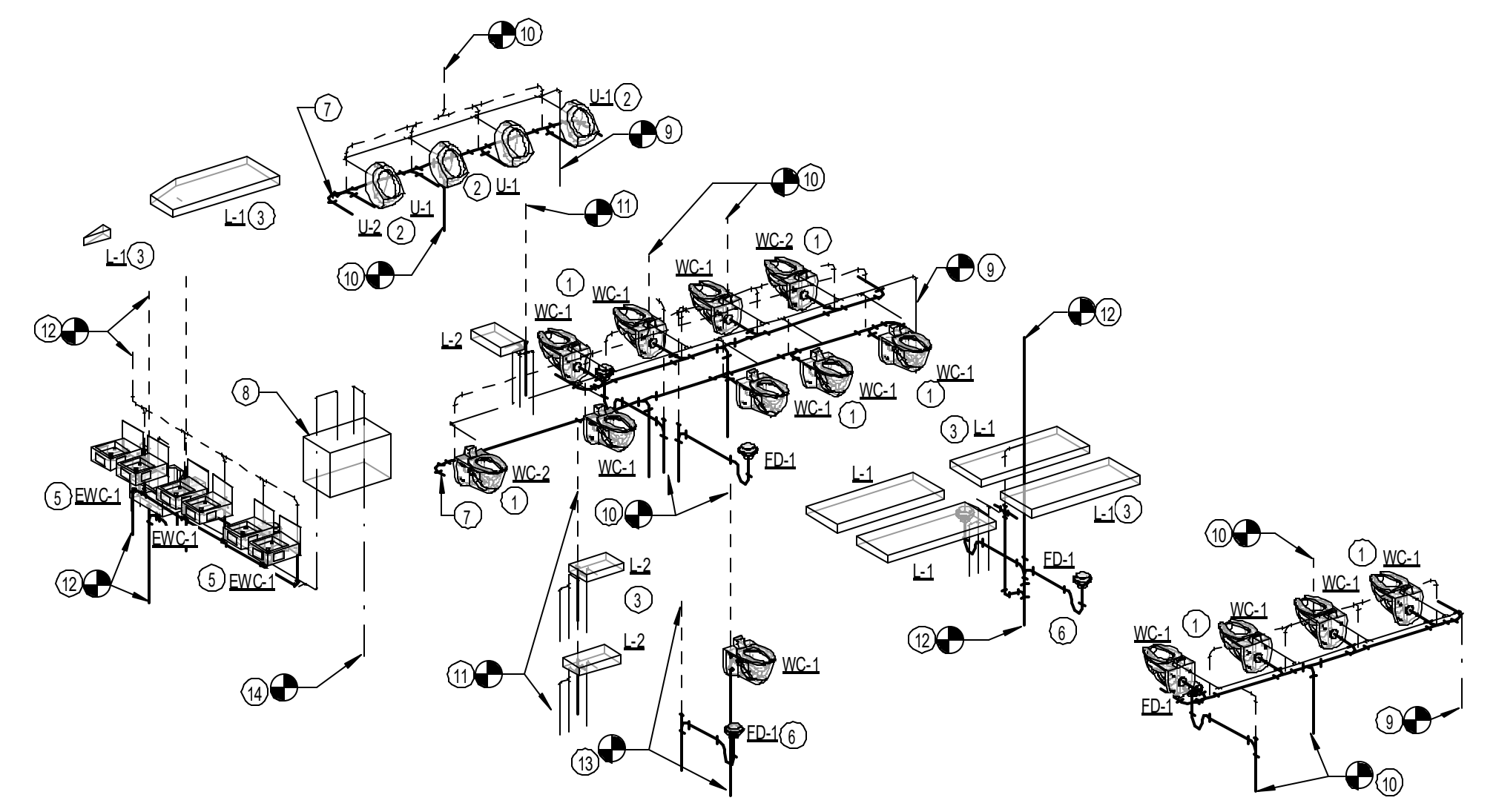
DIRECTOR
of
HOUSTON AIRPORT SYSTEM

IFB
ISSUED FOR BIDDING

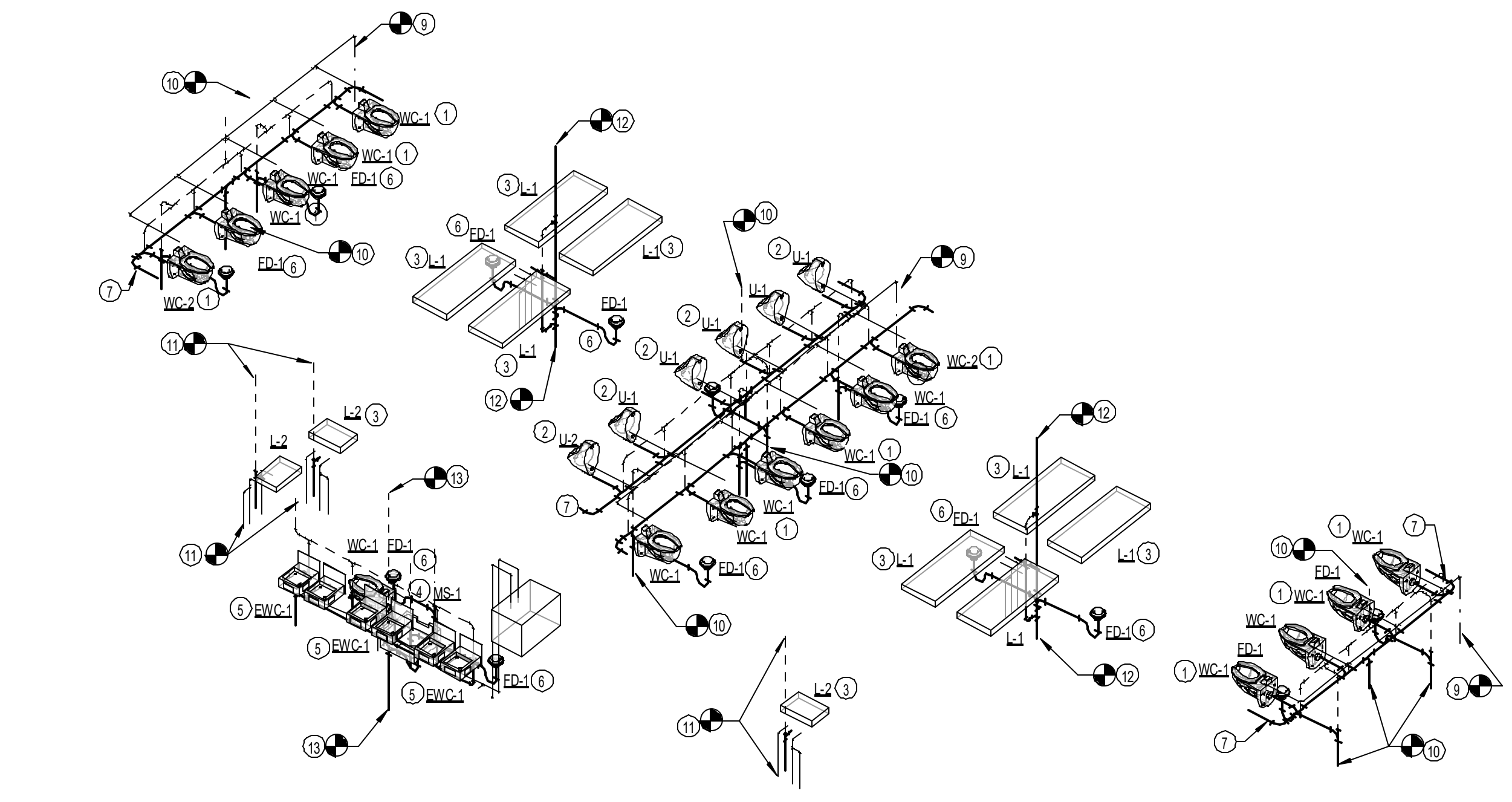
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SHEET No. PP310 SCALE:

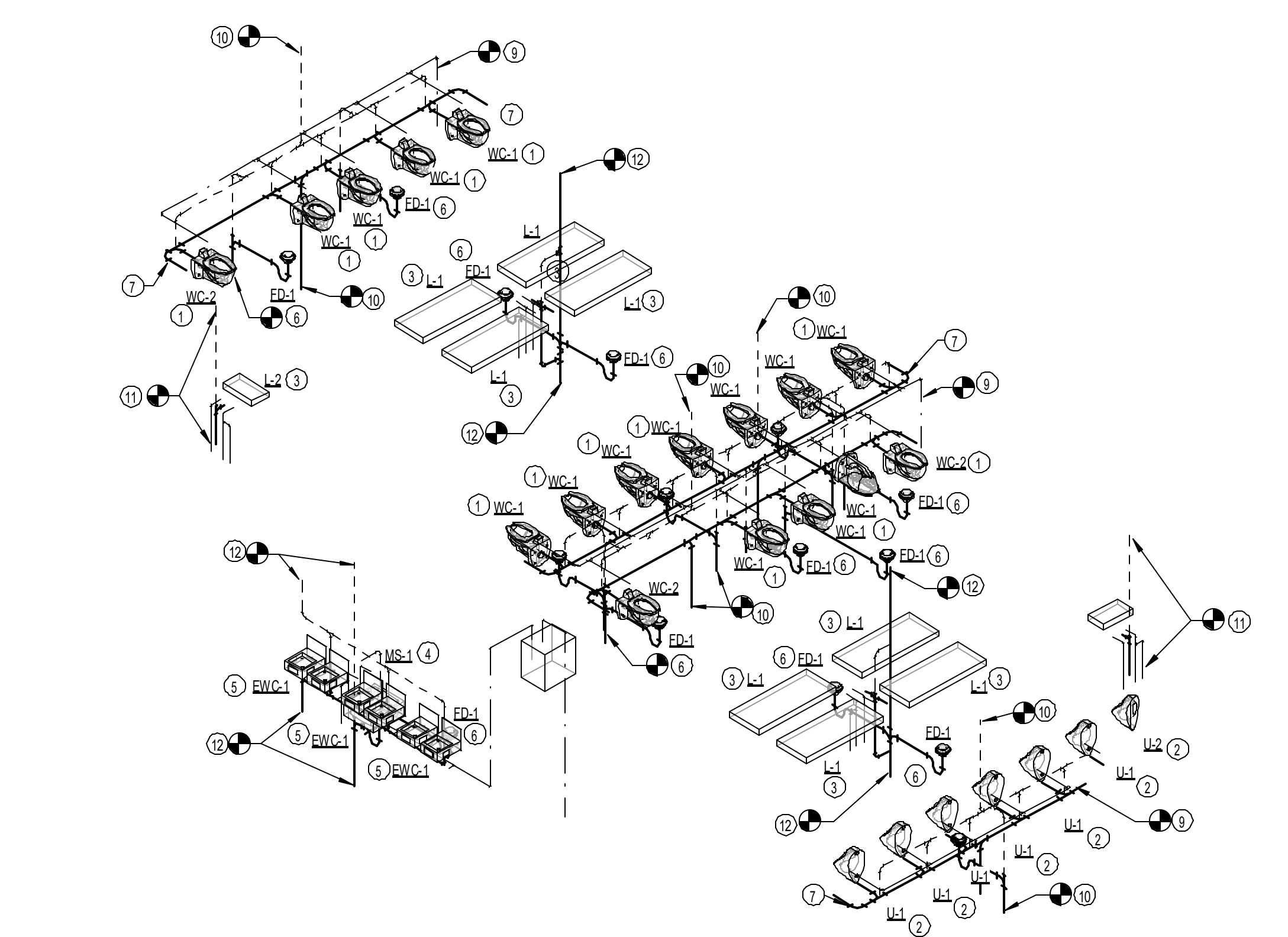
SHEET SIZE: 30"x42" ARCH E1



3 RENOVATION PLUMBING RISER GATES 28-32

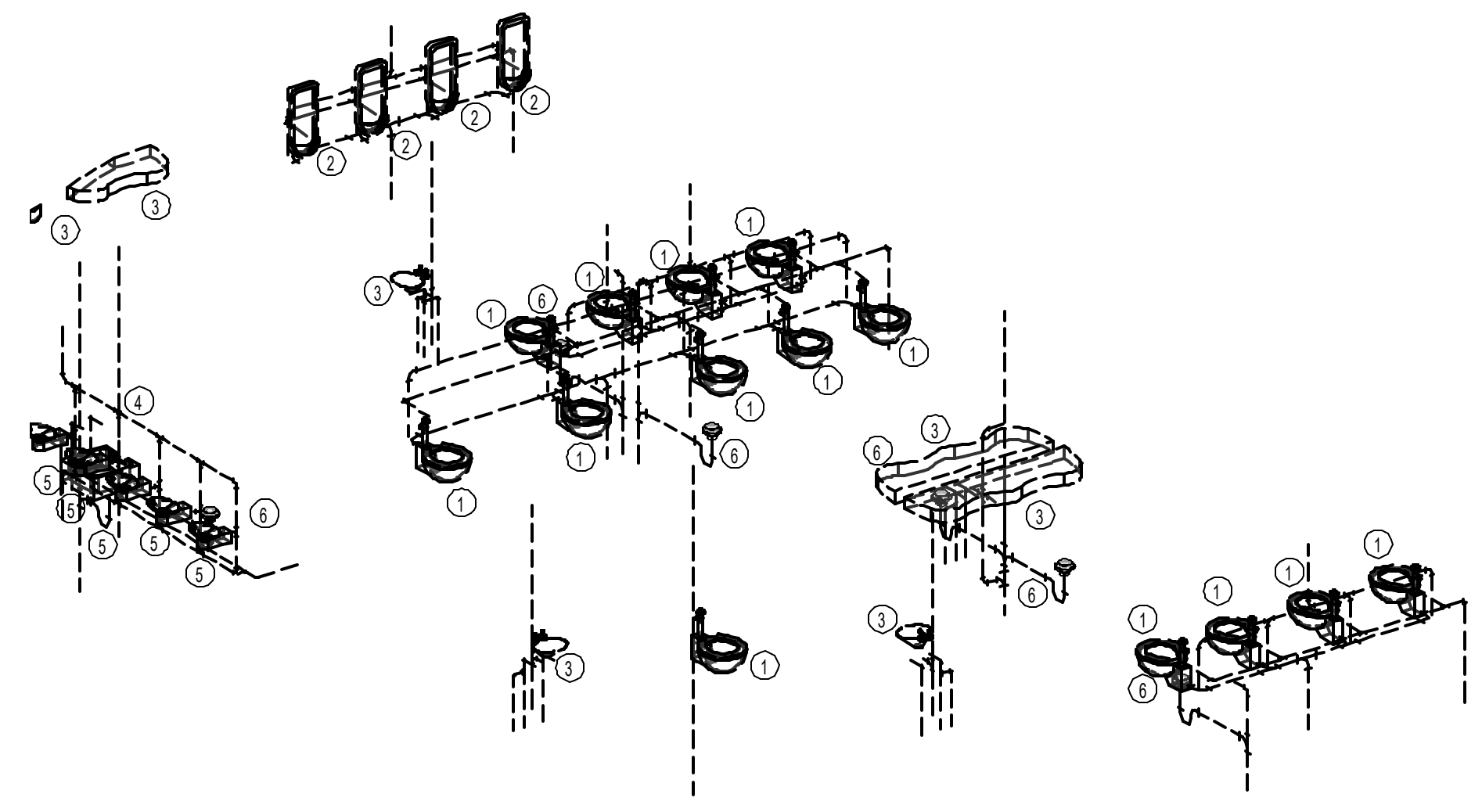


2 RENOVATION PLUMBING RISER GATES 24-27

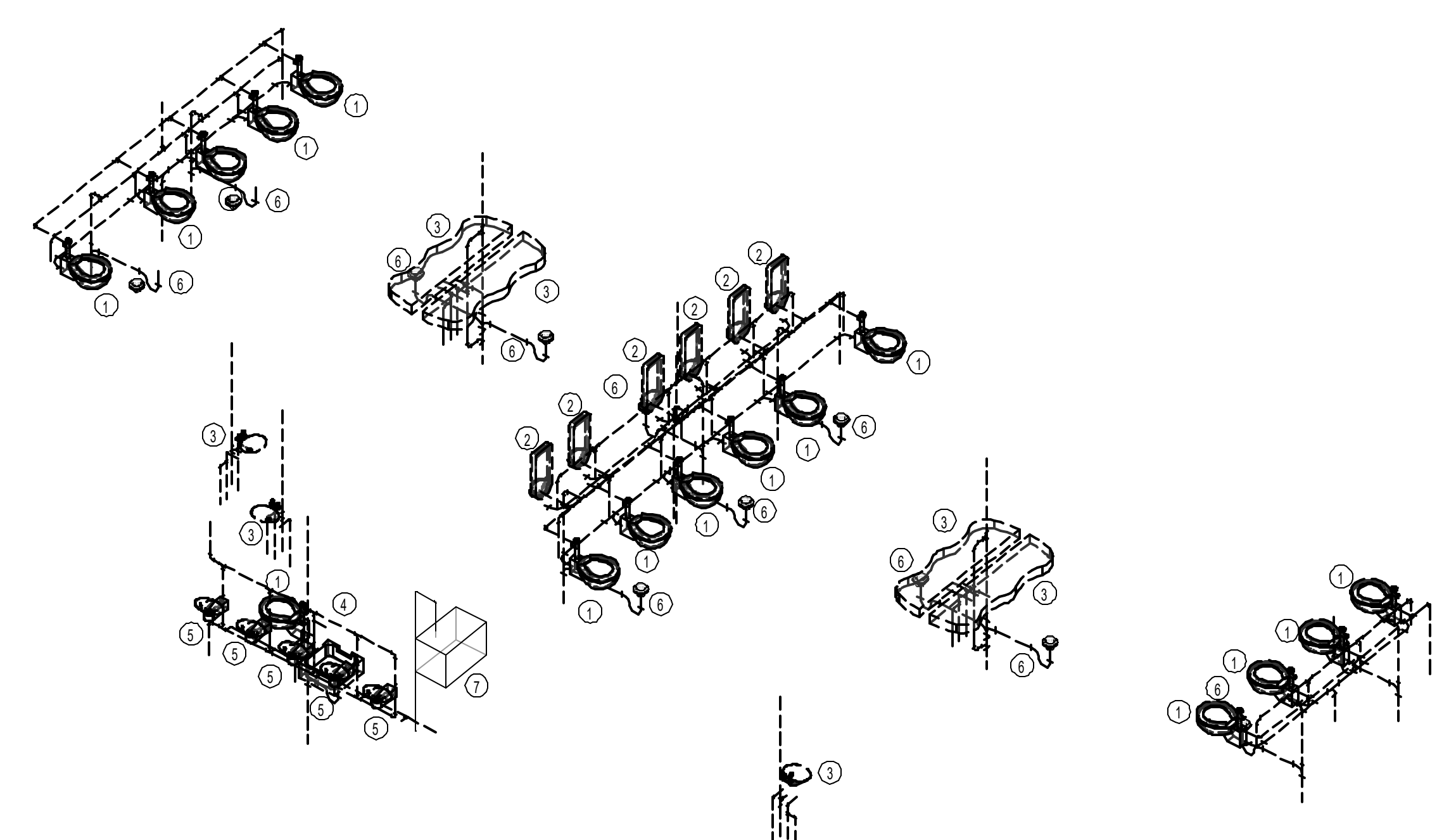


1 RENOVATED PLUMBING RISER GATES 20-23

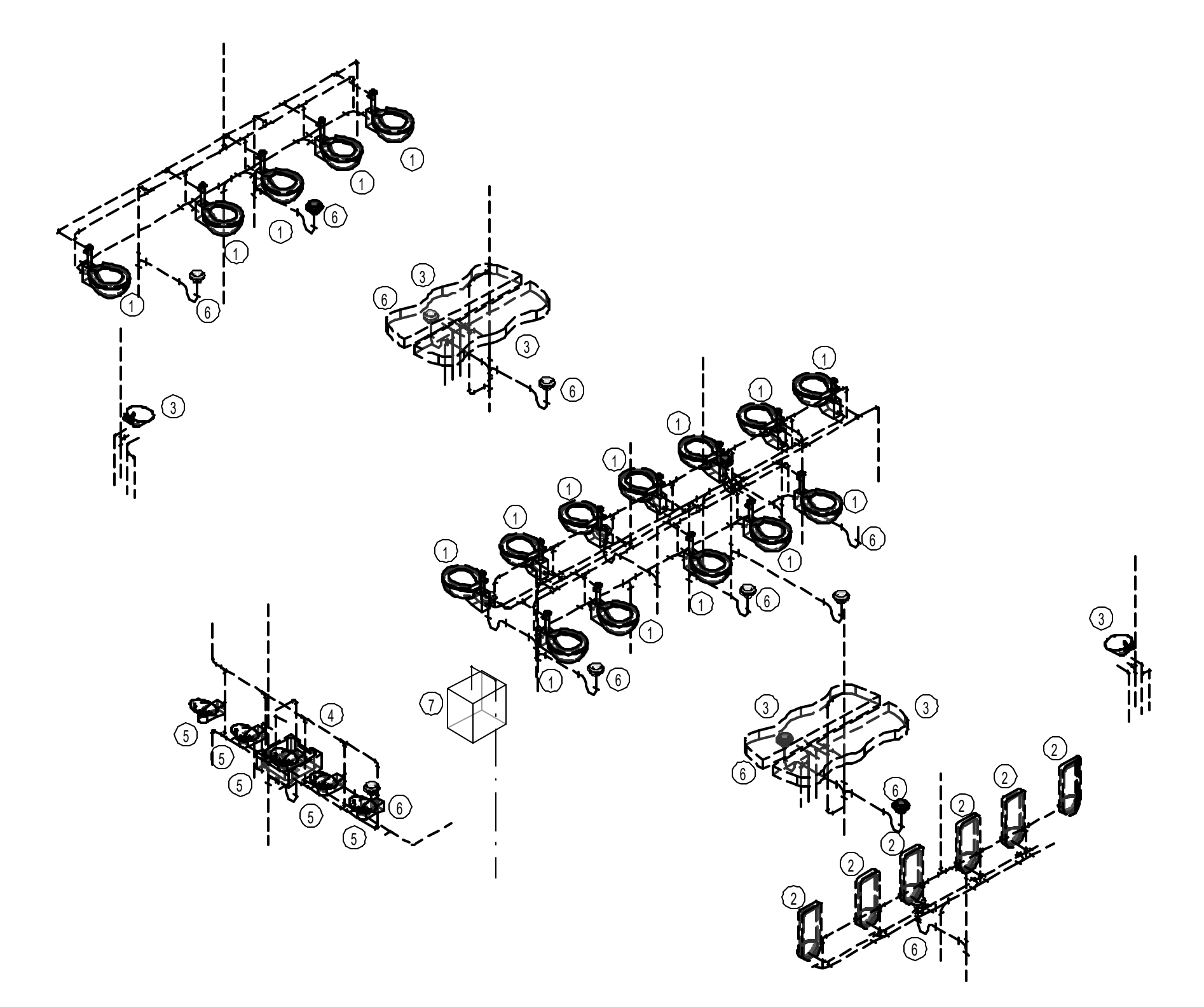
| # | NOTE |
|----|--|
| 1 | PROVIDE NEW WATER CLOSET CARRIER, FLUSH VALVE, TRIM, ETC. ACCORDING TO SCHEDULE. ROUTE ALL NEW 4" SANITARY WASTE & VENT AND 1/2" DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. CORE/SAW CUT FLOOR AS REQUIRED. |
| 2 | PROVIDE NEW URINAL CARRIER, FLUSH VALVE, TRIM, ETC. ACCORDING TO SCHEDULE. ROUTE ALL NEW 2" SANITARY WASTE & VENT AND 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. CORE/SAW 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 4 | PROVIDE NEW WOP SINK 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 5 | PROVIDE NEW ELECTRIC DRINKING FOUNTAIN 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 6 | 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 7 | PROVIDE NEW REMOTE CHILLER, EXIST. REMOTE CHILLER, 18" X 18" X 18" WATT, 115V. ROUTE ALL NEW SANITARY WASTE & VENT AND DOMESTIC WATER PIPING AS REQUIRED AND PROVIDE ANY ADDITIONAL PIPING & FITTINGS NOT SHOWN FOR CONNECTION TO EXISTING. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. |
| 8 | PROVIDE NEW CLEAN OUT IN EASILY ACCESSIBLE LOCATION. |
| 9 | CONNECT NEW 2" DOW LINE TO EXISTING DOW RISER WITH 1/2" DOW BRANCHES FOR WATER CLOSETS. PROVIDE ISOLATION SHUT-OFF VALVE IN A CONVENIENT ACCESSIBLE LOCATION FOR BANK OF WATER CLOSETS. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORE/SAW CUT FLOOR AS REQUIRED. |
| 10 | 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 11 | CONNECT NEW 3/4" DOW, 3/4" DWH, 2" SAN WASTE AND VENT TO EXISTING DOW, DWH, SAN WASTE AND 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 12 | CONNECT NEW 3/4" DOW, 3/4" DWH, 2" SAN WASTE AND VENT TO EXISTING DOW, DWH, SAN WASTE AND 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 13 | CONNECT NEW 1/2" DOW, 3/4" DWH, 3/4" DWH, 4" SAN WASTE AND VENT TO EXISTING DOW, DWH, DWH, SAN WASTE AND 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. CORE/SAW CUT FLOOR AS REQUIRED. |
| 14 | CONNECT NEW 2" DOW LINE TO EXISTING DOW RISER. PROVIDE ISOLATION SHUT-OFF VALVE IN A CONVENIENT ACCESSIBLE LOCATION. VERIFY EXACT LOCATION, AND REQUIREMENTS IN FIELD. CORE/SAW CUT FLOOR AS REQUIRED. |



6 DEMOLITION PLUMBING RISER GATES 28-32



5 DEMOLITION PLUMBING RISER GATES 24-27



4 DEMOLITION PLUMBING RISER GATES 20-23

| # | 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. CORE/SAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DOW AND DWH 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. CORE/SAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DOW AND DWH 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. CORE/SAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DOW AND DWH 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 | DISCONNECT & REMOVE EXISTING WOP SINK INCLUDING, BUT NOT LIMITED TO: FIXTURE, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORE/SAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DOW AND DWH 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. |
| 5 | DISCONNECT & REMOVE EXISTING ELECTRIC DRINKING FOUNTAIN INCLUDING, BUT NOT LIMITED TO: FIXTURE, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORE/SAW CUT FLOOR AS REQUIRED. REMOVE EXISTING DOW AND DWH 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. |
| 6 | DISCONNECT & REMOVE EXISTING FLOOR DRAIN INCLUDING, BUT NOT LIMITED TO: FIXTURE, IN-TRAP, TRIM, CARRIER, WASTE, VENT, & WATER PIPING, HANGERS, SUPPORTS, SPECIALTIES, ETC. CORE/SAW CUT FLOOR AS REQUIRED. REMOVE AND CAP EXISTING SANITARY WASTE AND VENT ASSOCIATED WITH FLOOR DRAIN. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. |
| 7 | EXISTING REMOTE CHILLER TO REMAIN. |

PLOT DATE: DOA DWG FILE: PLOT DATE: HAS FILE: FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/4732_MEP20.rvt
 OLD DOA No.:

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-040 | TECHNOLOGY - OVERALL FLOOR PLAN - LEVEL 1 |
| T-041 | TECHNOLOGY - OVERALL FLOOR PLAN - LEVEL 2 |
| T-101 | TECHNOLOGY - FLOOR PLAN - GATE 20-23 RESTROOMS |
| T-102 | TECHNOLOGY - FLOOR PLAN - GATE 24-27 RESTROOMS |
| T-103 | TECHNOLOGY - FLOOR PLAN - GATE 28-32 RESTROOMS |
| T-401 | TECHNOLOGY - ENLARGED PLAN - IDF S102.1 |
| T-402 | TECHNOLOGY - ENLARGED PLAN - IDF S101.6 |
| T-403 | TECHNOLOGY - ENLARGED PLAN - IDF S108.2 |
| T-500 | TECHNOLOGY - EQUIPMENT DETAILS |
| T-600 | TECHNOLOGY - EQUIPMENT SCHEDULES |

TECHNOLOGY EQUIPMENT SYMBOLS LIST

| SYMBOL | DESCRIPTION |
|--------|--|
| | HDMI RECEIVER |
| | HDMI TRANSMITTER |
| | FIBER OPTIC PATCH PANEL |
| | FIBER OPTIC TRANSMITTER |
| | FIBER OPTIC RECEIVER |
| | COPPER PATCH PANEL |
| | CURTESY PHONE |
| | HAND HOLE |
| | MAINTENANCE HOLE |
| | MAINTENANCE HOLE |
| | NETWORK SWITCH (OWNER) |
| | NETWORK SWITCH (TENANT) |
| | PULL BOX |
| | OSP COPPER PROTECTOR |
| | X-CAT6 TERMINATION JACK WHERE X REPRESENTS QUANTITY OF CAT6 CABLES. FIELD COORDINATE EXACT PLACEMENT WITH OTHER TRADE. |
| | EXAMPLE: 4-CAT6 WITH 4-PORT WALL PLATE, 15" A.F.F. |
| | CAT 6 TERMINATION JACK. X=CONFIGURATION, Y=QTY OF CAT 6 CABLES. PROVIDE PATCH CORD FOR EACH CONNECTED PORT. |
| | TV OUTLET (1 RG-6 CABLE) |
| | HDMI WITH 2 AUDIO JACKS. INCLUDE PLENUM HDMI AND 2 AUDIO CABLE FROM JACK TO AV SOURCE WITHIN ROOM. |
| | 1 CAT 6 WITH PLATE FOR WALL MOUNTED PHONE, 45" A.F.F. |
| | BLANK WALL PLATE |
| | X CAT 6 CABLE (FLOOR OUTLET) |
| | WIRELESS ACCESS POINT, 2 CAT 6A CABLES |
| | 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 |
| | BLUETOOTH BEACON PUCK |
| | ETHERNET EXTENDER |
| | FLIGHT INFORMATION DISPLAY PC |
| | FLAT PANEL DISPLAY |
| | HORIZONTAL CABLE MANAGEMENT |
| | JUNCTION BOX |
| | MINIATURE COMPUTER |
| | BATHROOM STALL OCCUPANCY SENSOR LIGHT |
| | PASSENGER COUNTER REMOTE |
| | PASSENGER COUNTER SENSOR |
| | REMOTE EQUIPMENT ENCLOSURE |
| | AV SPEAKER TYPE 1. MODEL JBL CONTROL 24CT |
| | AV SPEAKER TYPE 2 |
| | BATHROOM STALL OCCUPANCY SENSOR GATEWAY |
| | TOUCH PANEL |



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HOU RESTROOM RENOVATIONS PHASE 2

C.I.P. No. PN209A A.I.P. No.
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DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: IFB

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03/22/2022
APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

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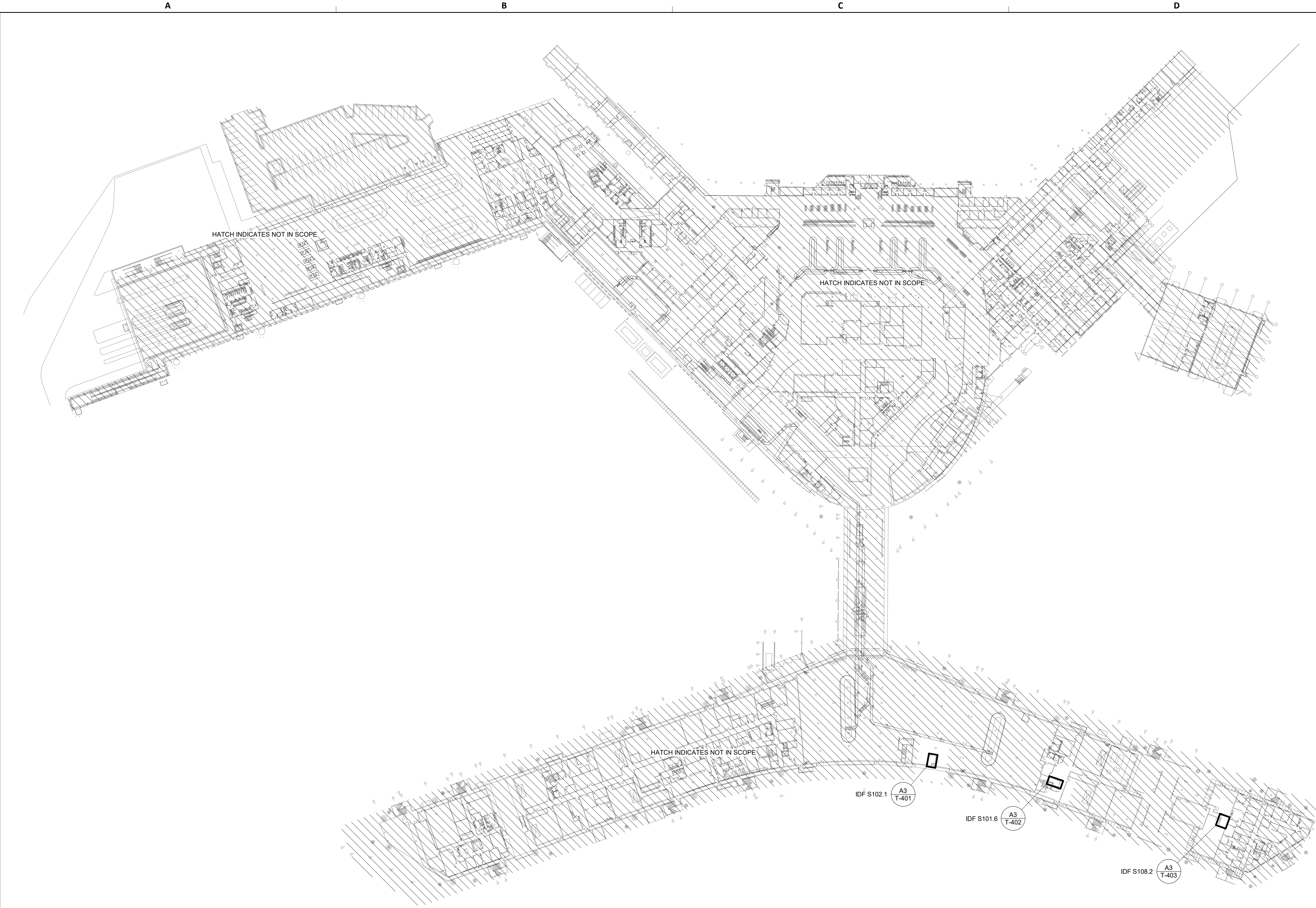
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TECHNOLOGY - ABBREVIATIONS & SYMBOLS

SHEET No. T-001 SCALE:

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:
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OLD DOA No. :
PLOT DATE:

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt
HAS FILE:



A2 TECHNOLOGY - OVERALL FLOOR PLAN - LEVEL 1
SCALE: 1/64" = 1'-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.

KEYED NOTES



7800 Airport Blvd
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**HOU RESTROOM RENOVATIONS
PHASE 2**

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PROJECT STATUS: **IFB**

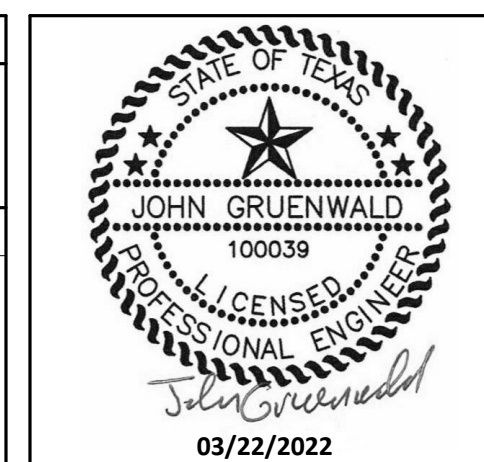
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| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

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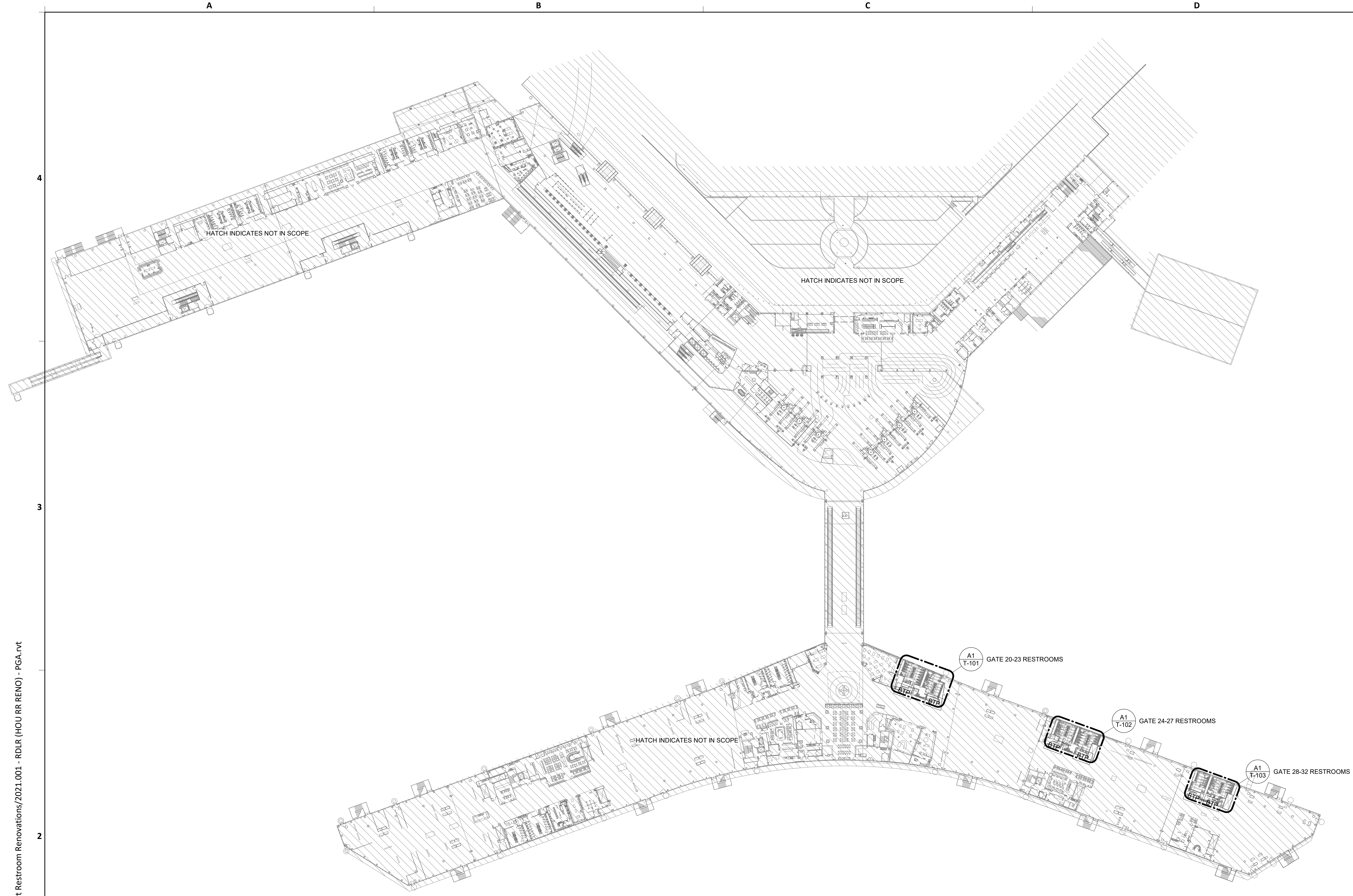
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TECHNOLOGY - OVERALL FLOOR PLAN -
LEVEL 1

SHEET No. T-040 SCALE: 1/64" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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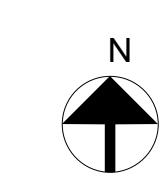


E1 TECHNOLOGY - OVERALL FLOOR PLAN - LEVEL 2
SCALE: 1/64" = 1'-0"

GENERAL NOTES

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2. COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.

KEYED NOTES



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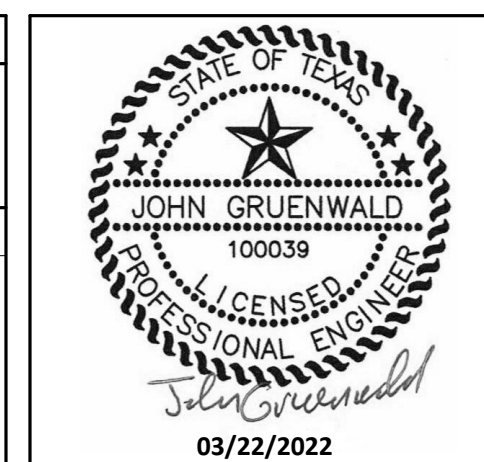
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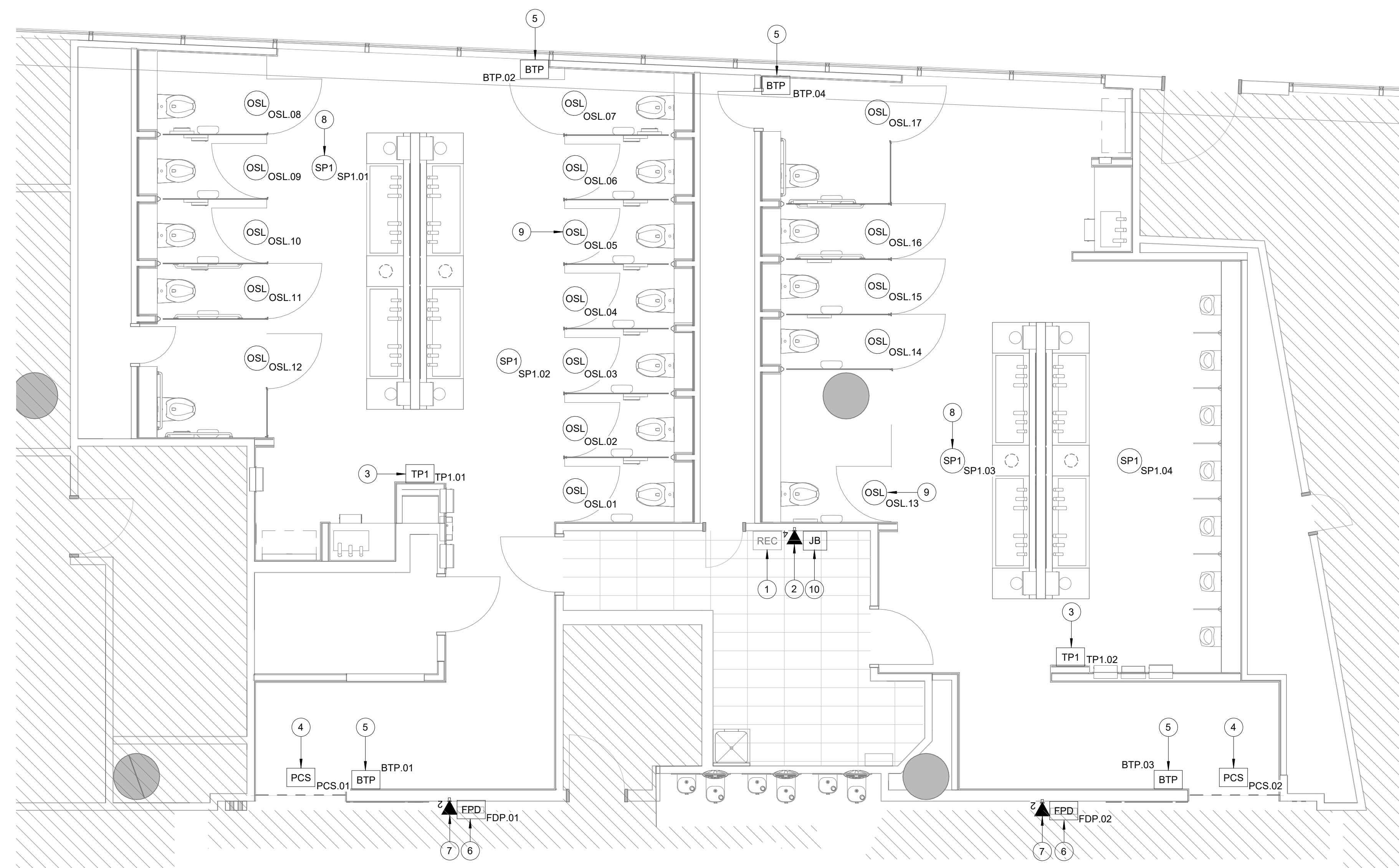
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SHEET No. T-041 SCALE: 1/64" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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HAS FILE:



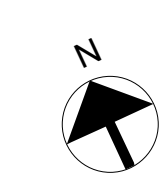
A1 TECHNOLOGY - FLOOR PLAN - GATE 20-23 RESTROOMS
SCALE: 1/4" = 1'-0"

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. SCREENED DEVICES DENOTES EXISTING.
4. RETURN ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

KEYED NOTES

1. EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
2. 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE NEW REC. 4 CAT6 CABLE ROUTED THROUGH A 1" C TO IDF S102.1.
3. TABLET (TP1) LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
4. REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
5. REPLACE EXISTING BLUETOOTH BEACON PUCK WITH LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
6. FLAT PANEL DISPLAY, LG 32SM5KE, MOUNTED TO WALL WITH SMARTMOUNT SF632P.
7. 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 4 CAT6 CABLE ROUTED THROUGH A 1" C TO IDF S102.1.
8. REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
9. BATHROOM STALL OCCUPANCY LIGHTS, ZURN Z-LIGHT-W1. MOUNT AT 6" INSIDE THE STALL. MEASURED FROM THE STALL DOOR AS PER MANUFACTURER INSTALLATION INSTRUCTIONS.
10. LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.



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DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: **IFB**

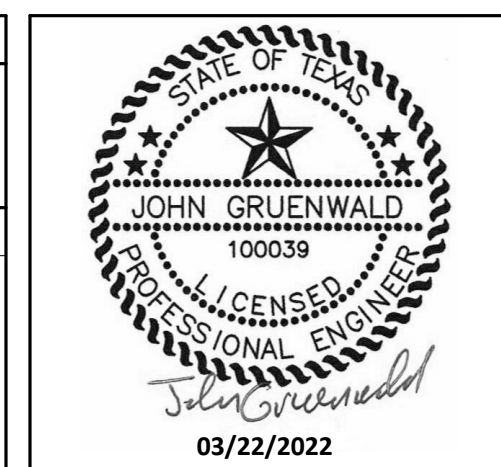
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

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CHECKED BY: JG
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APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

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SHEET NAME:
TECHNOLOGY - FLOOR PLAN - GATE 20-23
RESTROOMS

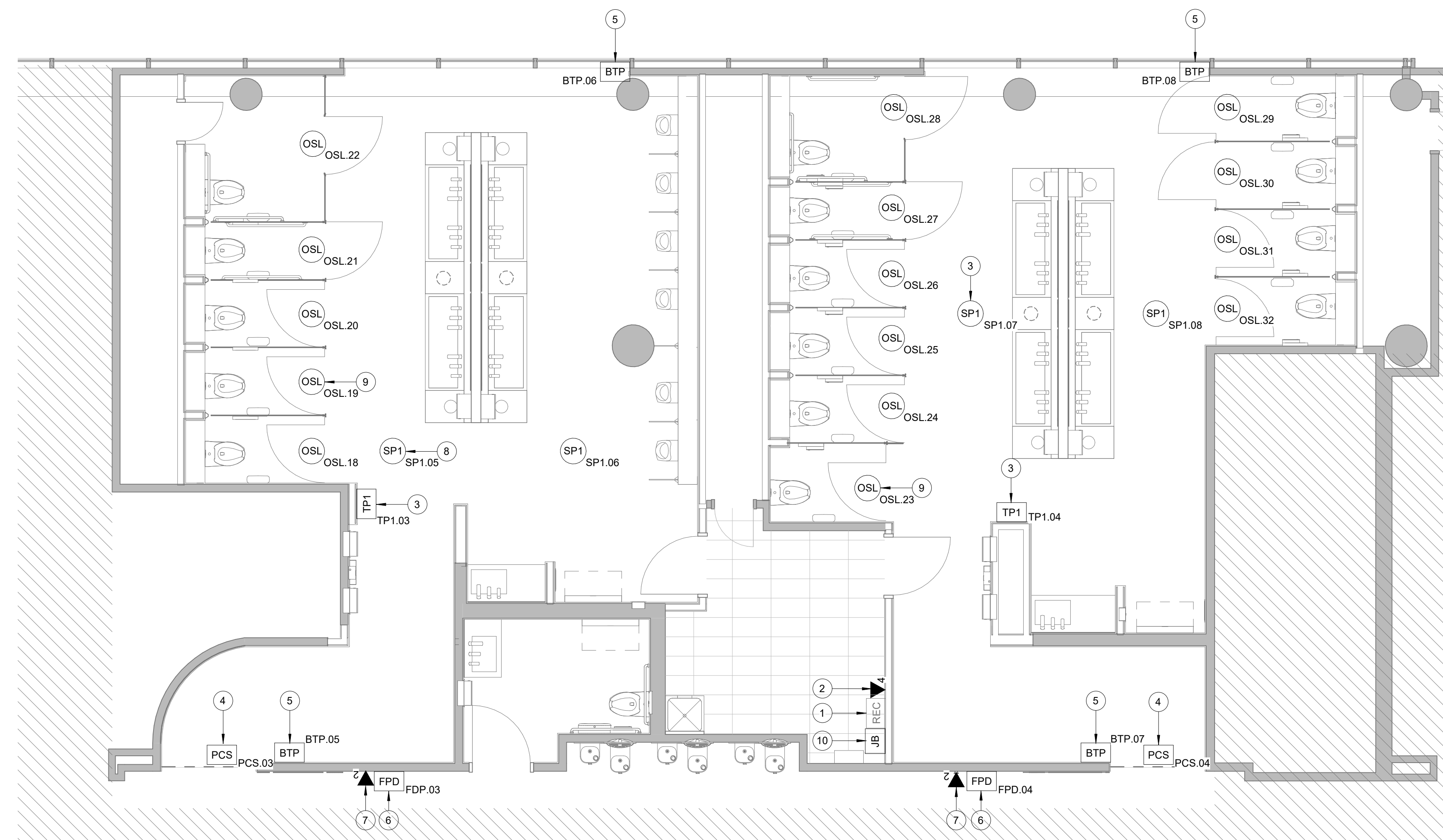
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SHEET SIZE: 30"x42" ARCH E1

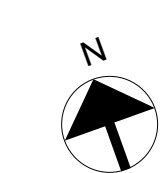
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PLOT DATE:

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt

HAS FILE:



A1 TECHNOLOGY - FLOOR PLAN - GATE 24-27 RESTROOMS
SCALE: 1/4" = 1'-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. SCREENED DEVICES DENOTES EXISTING.
4. RETURN ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

KEYED NOTES

1. EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
2. 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE NEW REC. 4 CAT6 CABLE ROUTED THROUGH A 1" C TO IDF S101.6.
3. TABLET (TP1) LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
4. REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
5. REPLACE EXISTING BLUETOOTH BEACON PUCK WITH LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
6. FLAT PANEL DISPLAY, LG 32SM5KE, MOUNTED TO WALL WITH SMARTMOUNT SF632P.
7. 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 4 CAT6 CABLE ROUTED THROUGH A 1" C TO IDF S101.6.
8. REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
9. BATHROOM STALL OCCUPANCY LIGHTS, ZURN Z-LIGHT-W1. MOUNT AT 6" INSIDE THE STALL, MEASURED FROM THE STALL DOOR AS PER MANUFACTURER INSTALLATION INSTRUCTIONS.
10. LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.



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DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03/22/2022
APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**

Review/Approval Category
IFB
ISSUED FOR BIDDING

SHEET NAME:
TECHNOLOGY - FLOOR PLAN - GATE 24-27
RESTROOMS

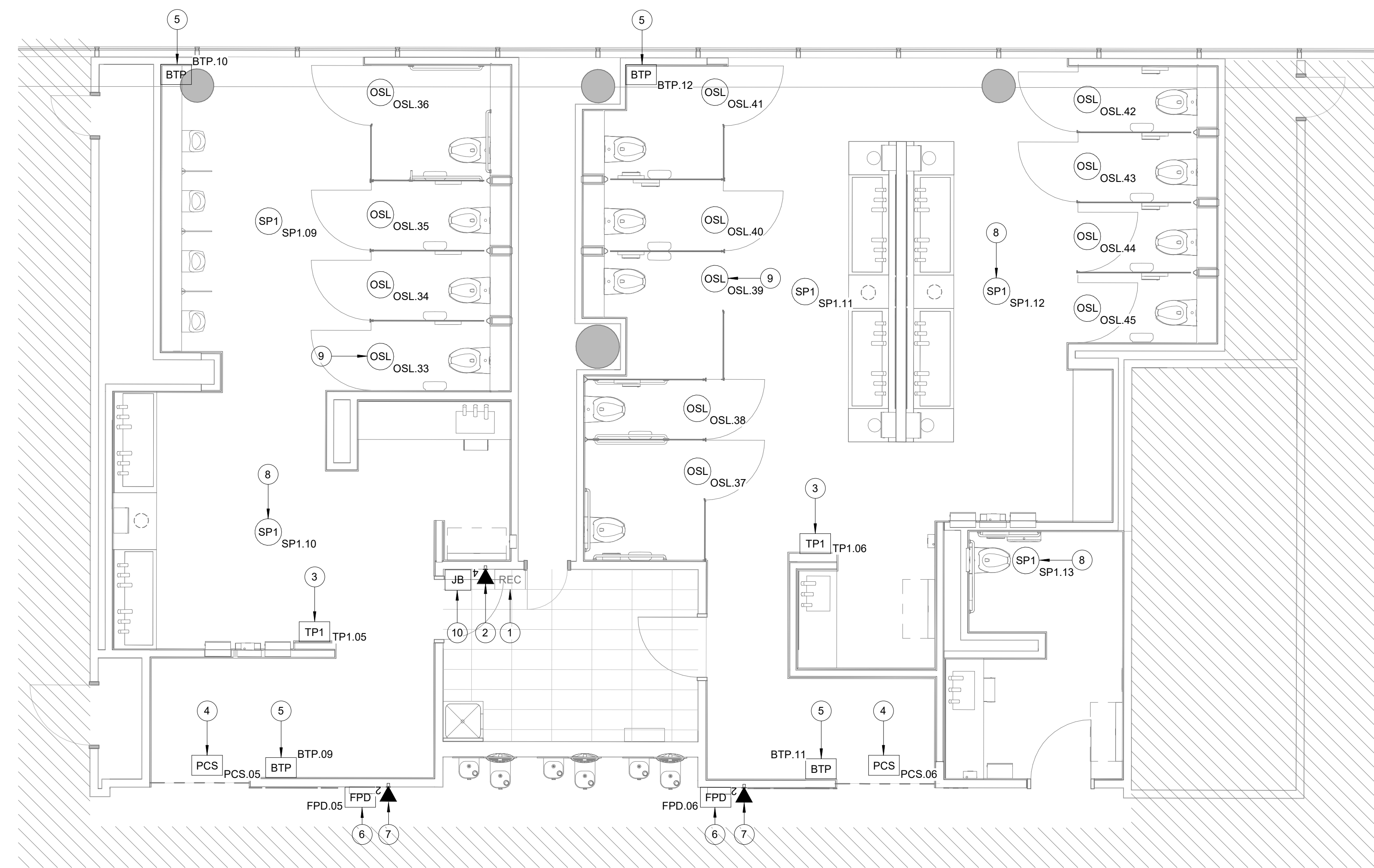
SHEET No. T-102 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt

HAS FILE:



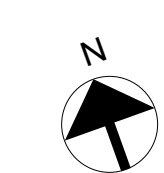
A1 TECHNOLOGY - FLOOR PLAN - GATE 28-32 RESTROOMS
SCALE: 1/4" = 1'-0"

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. SCREENED DEVICES DENOTES EXISTING.
4. RETURN ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

KEYED NOTES

1. EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
2. 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE NEW REC. 4 CAT6 CABLE ROUTED THROUGH A 1" TO IDF S108.2.
3. TABLET (TP1). LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
4. REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
5. REPLACE EXISTING BLUETOOTH BEACON PUCK WITH LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
6. FLAT PANEL DISPLAY, LG 32SM5KE. MOUNTED TO WALL WITH SMARTMOUNT SF632P.
7. 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 4 CAT6 CABLE ROUTED THROUGH A 1" TO IDF S108.2.
8. REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
9. BATHROOM STALL OCCUPANCY LIGHTS. ZURN Z-LIGHT-W1. MOUNT AT 6" INSIDE THE STALL. MEASURED FROM THE STALL DOOR AS PER MANUFACTURER INSTALLATION INSTRUCTIONS.
10. LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.



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DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: IFB

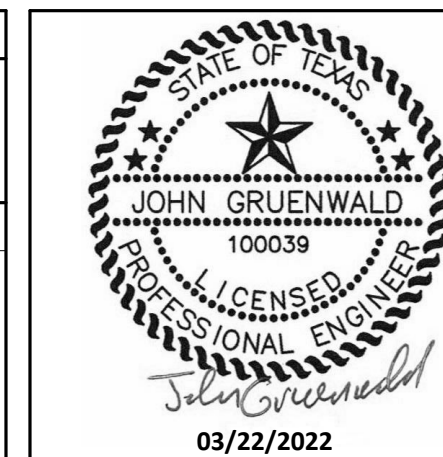
REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03/22/2022
APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

**DIRECTOR
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Review/Approval Category
IFB
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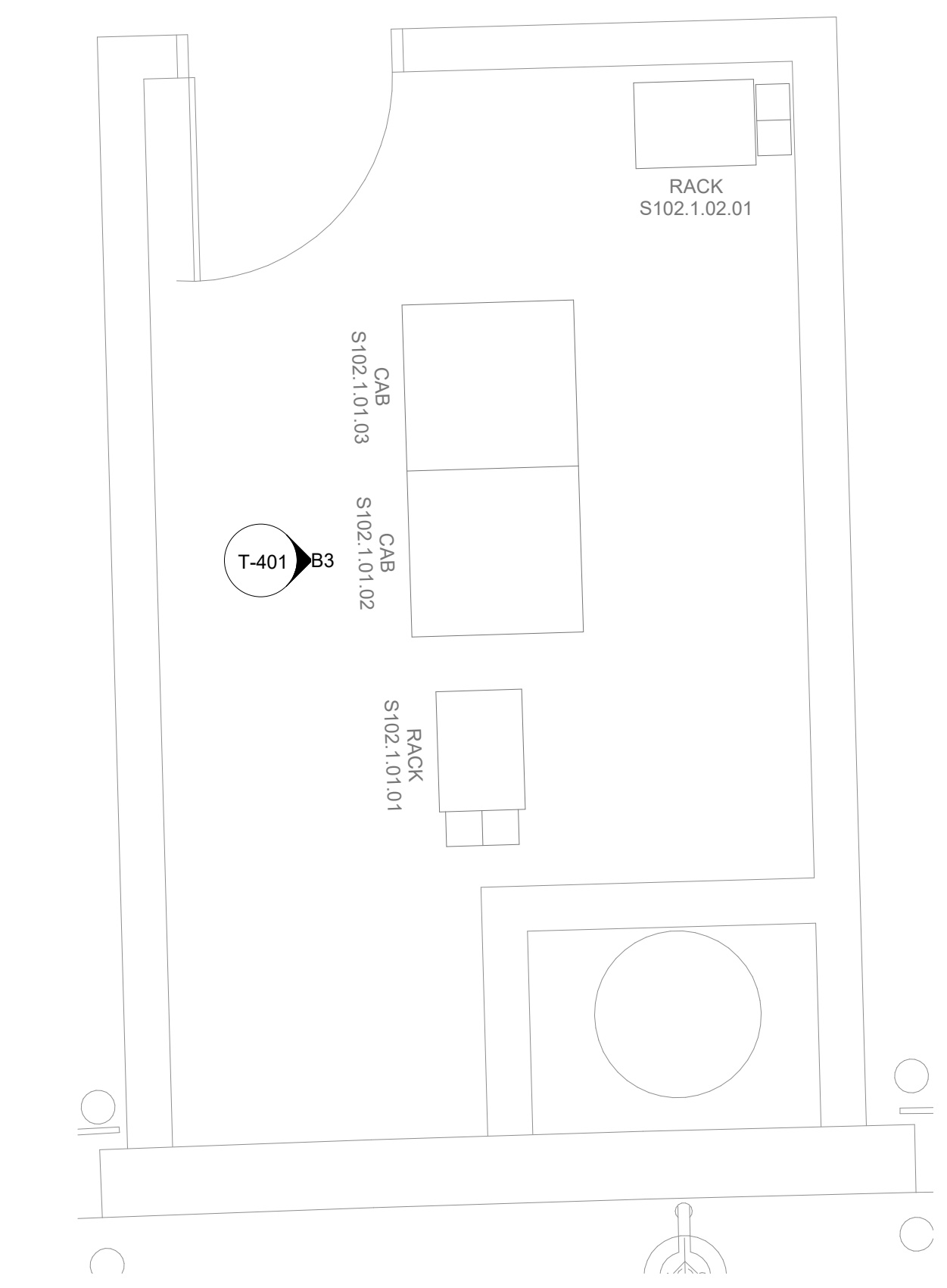
SHEET NAME:
TECHNOLOGY - FLOOR PLAN - GATE 28-32
RESTROOMS

SHEET No. T-103 SCALE: 1/4" = 1'-0"

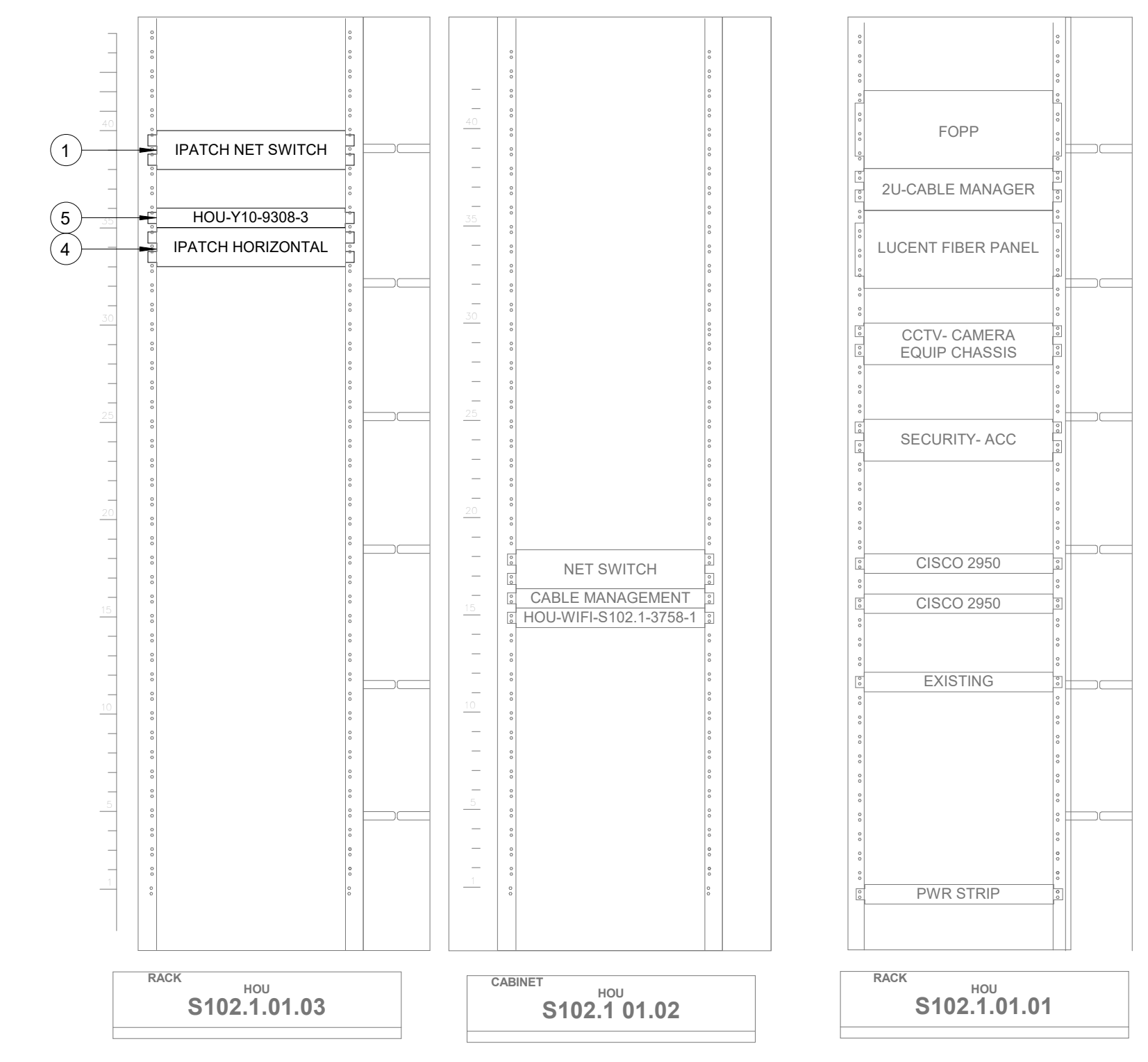
SHEET SIZE: 30"x42" ARCH E1

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

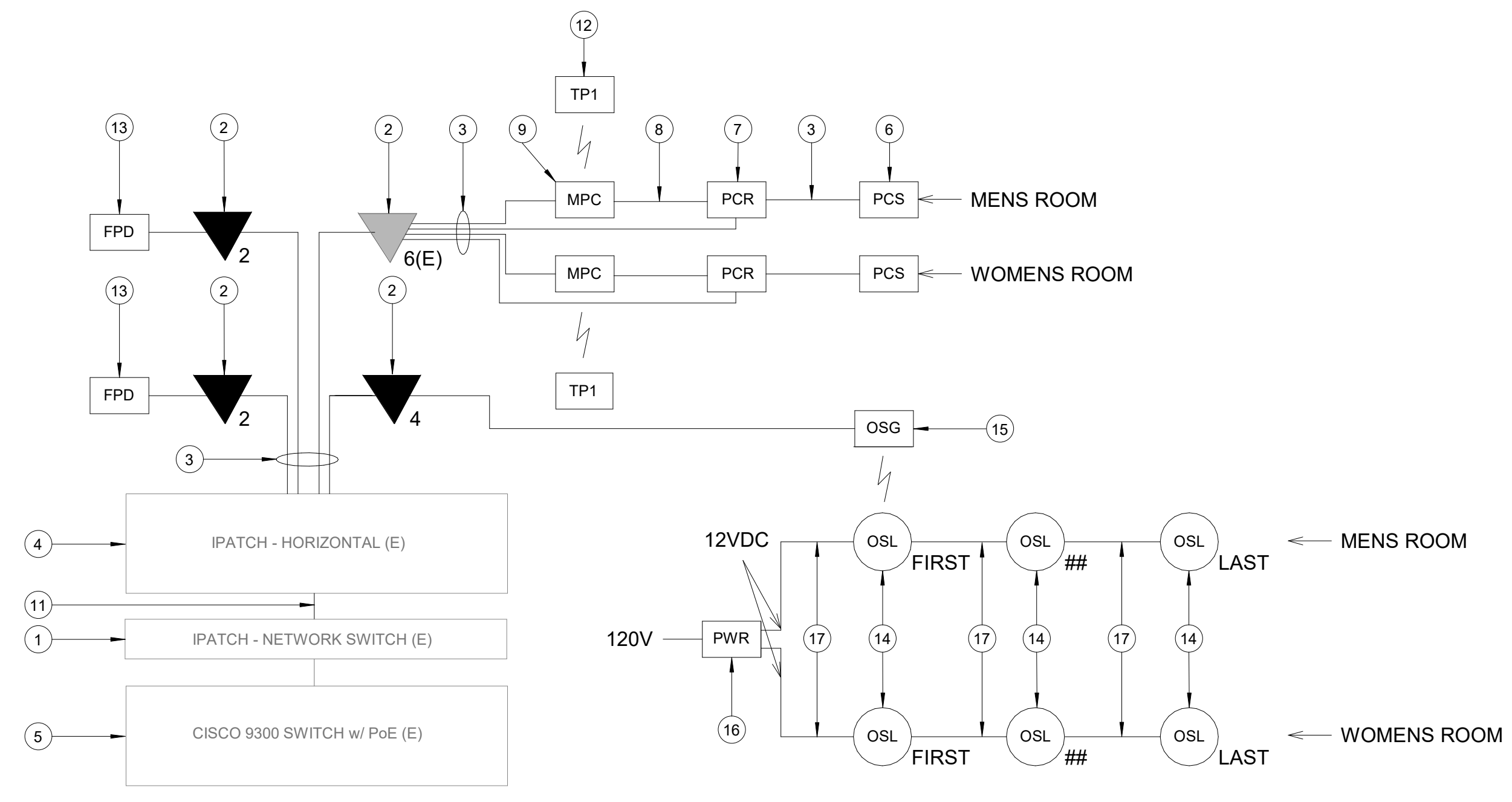
FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt
HAS FILE:



A3 TECHNOLOGY - ENLARGED PLAN - IDF S102.1
SCALE: 1/2" = 1'-0"



B3 IDF S102.1 - CABINET/RACK ELEVATIONS
SCALE: 1" = 1'-0"



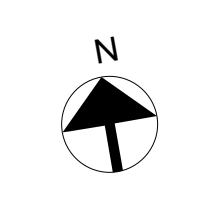
A1 IDF S102.1 - ONE LINE DIAGRAM
SCALE: NTS

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTES EXISTING.

KEYED NOTES

- IPATCH NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH. (E)
- PASSENGER COUNT SENSOR. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- PASSENGER COUNT SENSOR REMOTE. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. LOCATED IN GATE 20-23 RESTROOM JANITOR CLOSET REC. REFERENCE SHEET T-101.
- USB CABLE.
- MINI COMPUTER. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- EQUIPMENT RACK '01.03' (E). REFERENCE DETAIL 'B3' ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- FLAT PANEL DISPLAY. LG 32SM5KE.
- BATHROOM STALL OCCUPANCY LIGHTS. ZURN Z-LIGHT-W1. EXACT NUMBER DAISY-CHAINED NOT SHOWN. REFERENCE SHEET T-101.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY. ZURN ZGW-WRP-W1-ETH. LOCATED IN GATE 20-23 RESTROOM JANITOR CLOSET REC. REFERENCE SHEET T-101.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY. MUST BE HARD WIRED BY ELECTRICIAN AND INSTALLED INTO A STANDARD 4-1/16" SQUARE METAL JUNCTION BOX IN ACCORDANCE WITH APPLICABLE LOCAL ELECTRIC CODE. REFERENCE SPECIFICATIONS.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.



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DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03/22/2022
APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**

IFB
ISSUED FOR BIDDING



SHEET NAME:
TECHNOLOGY - ENLARGED PLAN - IDF S102.1

SHEET No. T-401 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

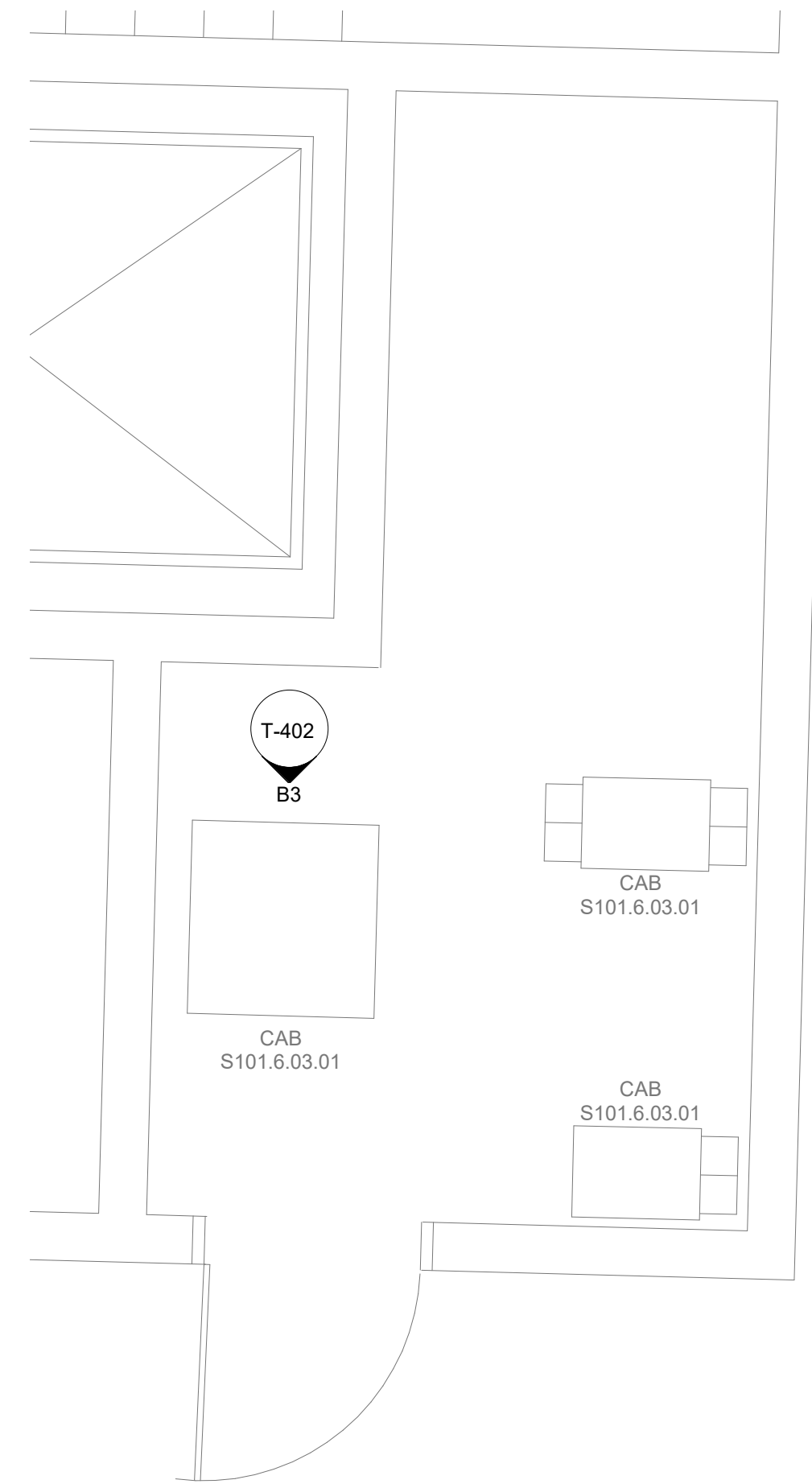
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B

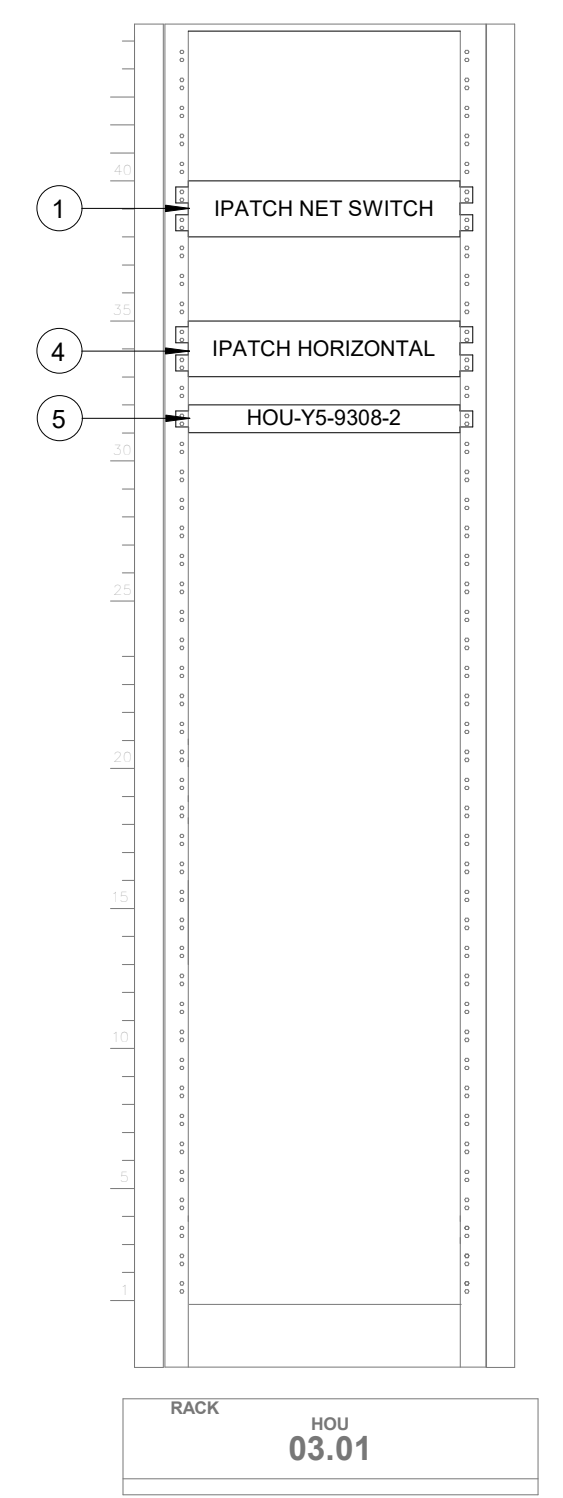
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D

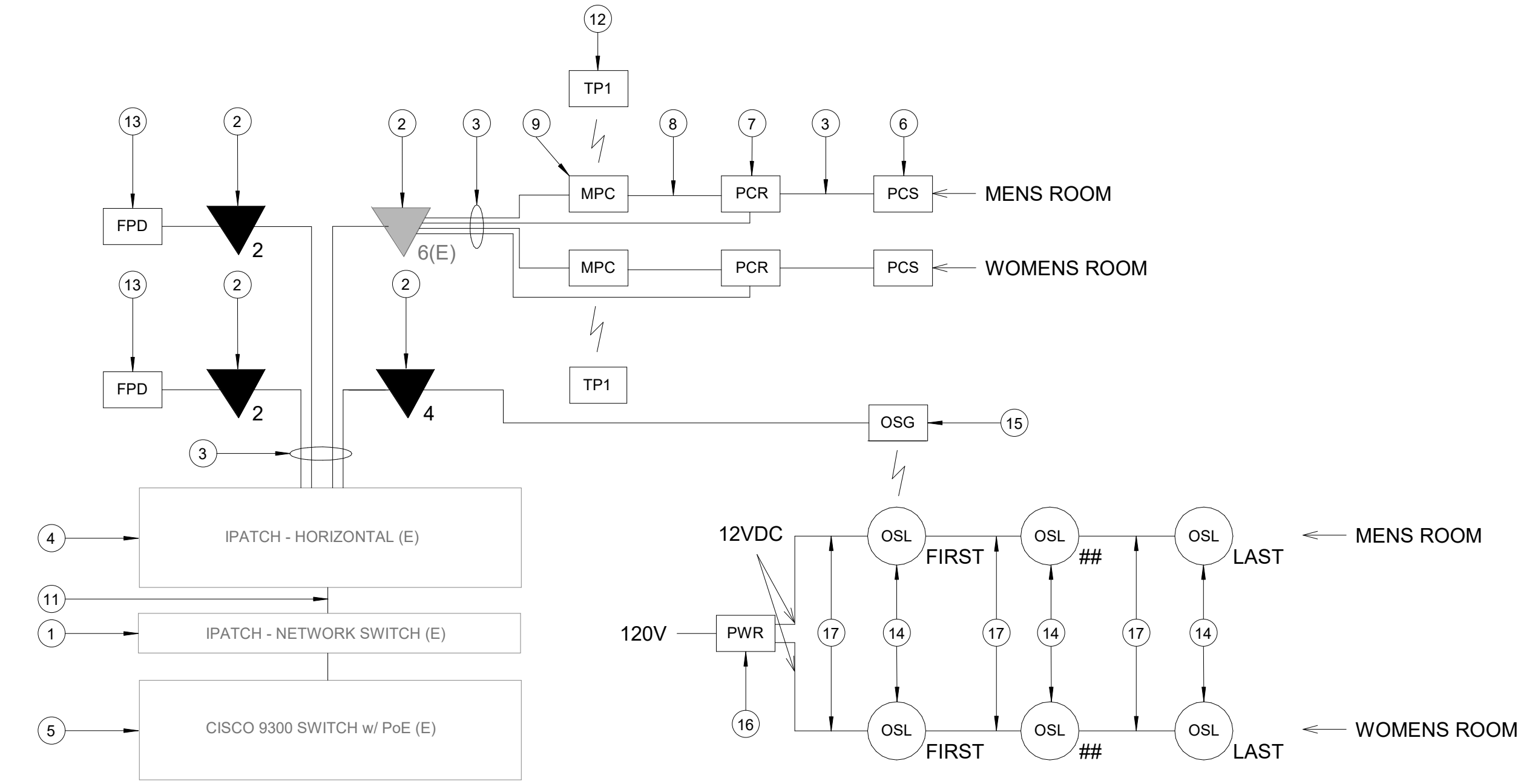
E



A3 TECHNOLOGY - ENLARGED PLAN - IDF S101.6
SCALE: 1/2" = 1'-0"



B3 IDF S101.6 - CABINET/RACK ELEVATIONS
SCALE: 1" = 1'-0"



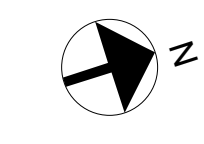
A1 IDF S101.6 - ONE LINE DIAGRAM
SCALE: NTS

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTES EXISTING.

KEYED NOTES

- IPATCH NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH. (E)
- PASSENGER COUNT SENSOR. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- PASSENGER COUNT SENSOR REMOTE. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. LOCATED IN GATE 24-27 RESTROOM JANITOR CLOSET REC. REFERENCE SHEET T-102.
- USB CABLE.
- MINI COMPUTER. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- EQUIPMENT RACK '03.01' (E). REFERENCE DETAIL 'B3' ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- FLAT PANEL DISPLAY. LG 32SM5KE.
- BATHROOM STALL OCCUPANCY LIGHTS. ZURN Z-LIGHT-W1. EXACT NUMBER DAISY-CHAINED NOT SHOWN. REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY. ZURN ZGW-WRP-W1-ETH. LOCATED IN GATE 24-27 RESTROOM JANITOR CLOSET REC. REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY. MUST BE HARD WIRED BY ELECTRICIAN AND INSTALLED INTO A STANDARD 4-1/16" SQUARE METAL JUNCTION BOX IN ACCORDANCE WITH APPLICABLE LOCAL ELECTRIC CODE. REFERENCE SPECIFICATIONS.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.



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DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03/22/2022
APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

**DIRECTOR
of
HOUSTON AIRPORT SYSTEM**

Reviewed/Approval Category
IFB
ISSUED FOR BIDDING

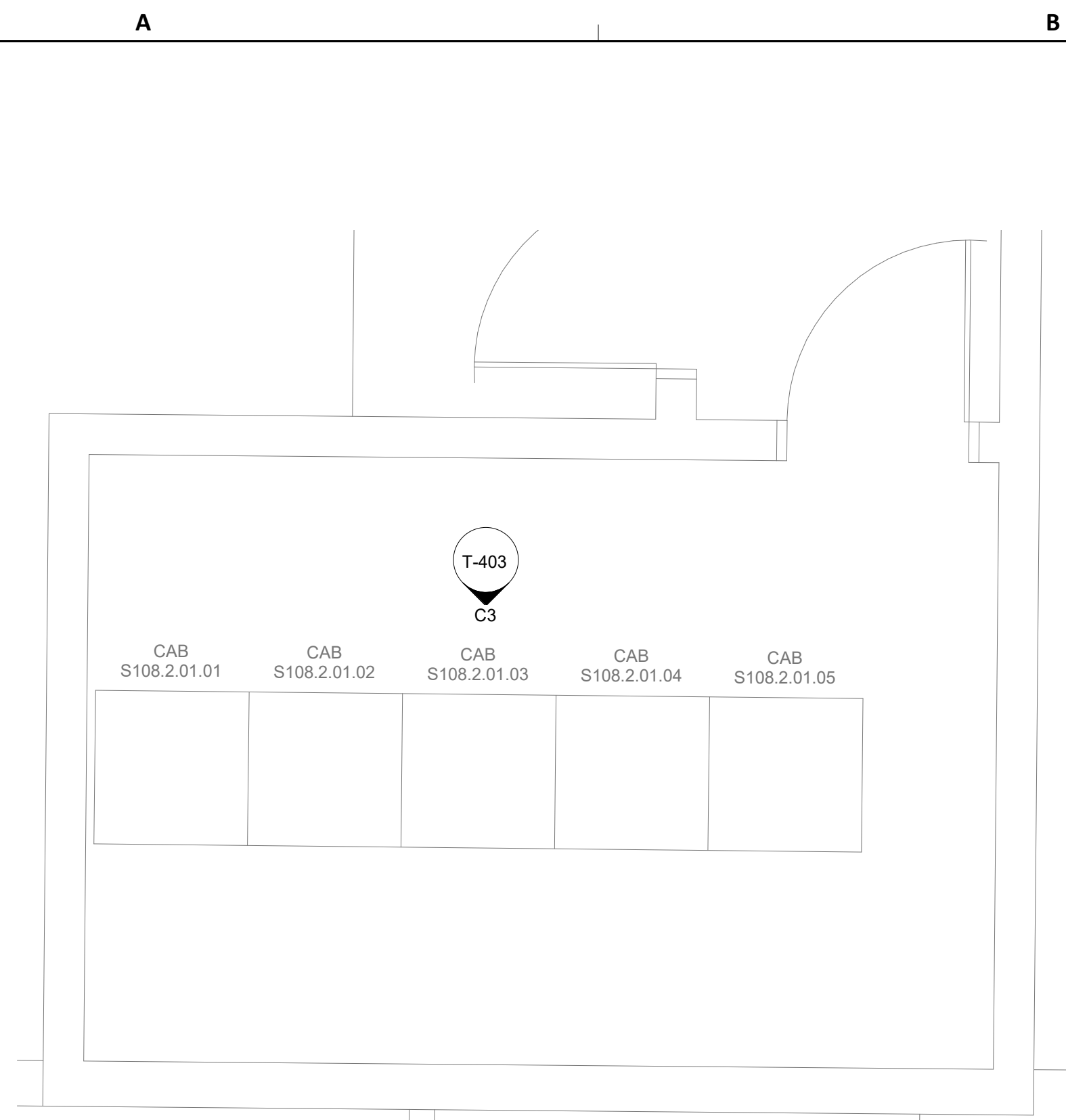


SHEET NAME:
TECHNOLOGY - ENLARGED PLAN - IDF S101.6

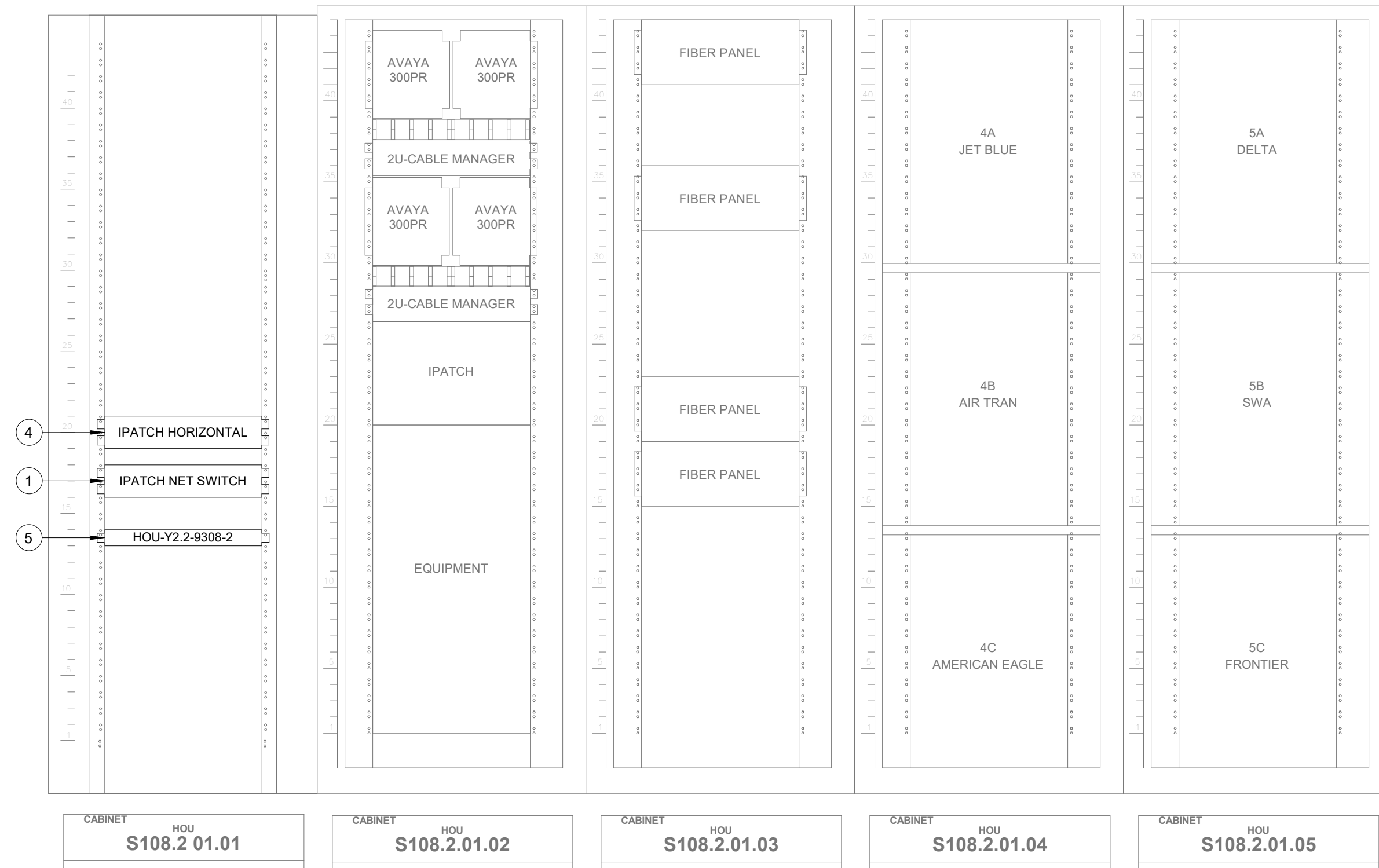
SHEET No. T-402 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360://1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt
 PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE:



A3 TECHNOLOGY - ENLARGED PLAN - IDF S108.2
SCALE: 1/2" = 1'-0"



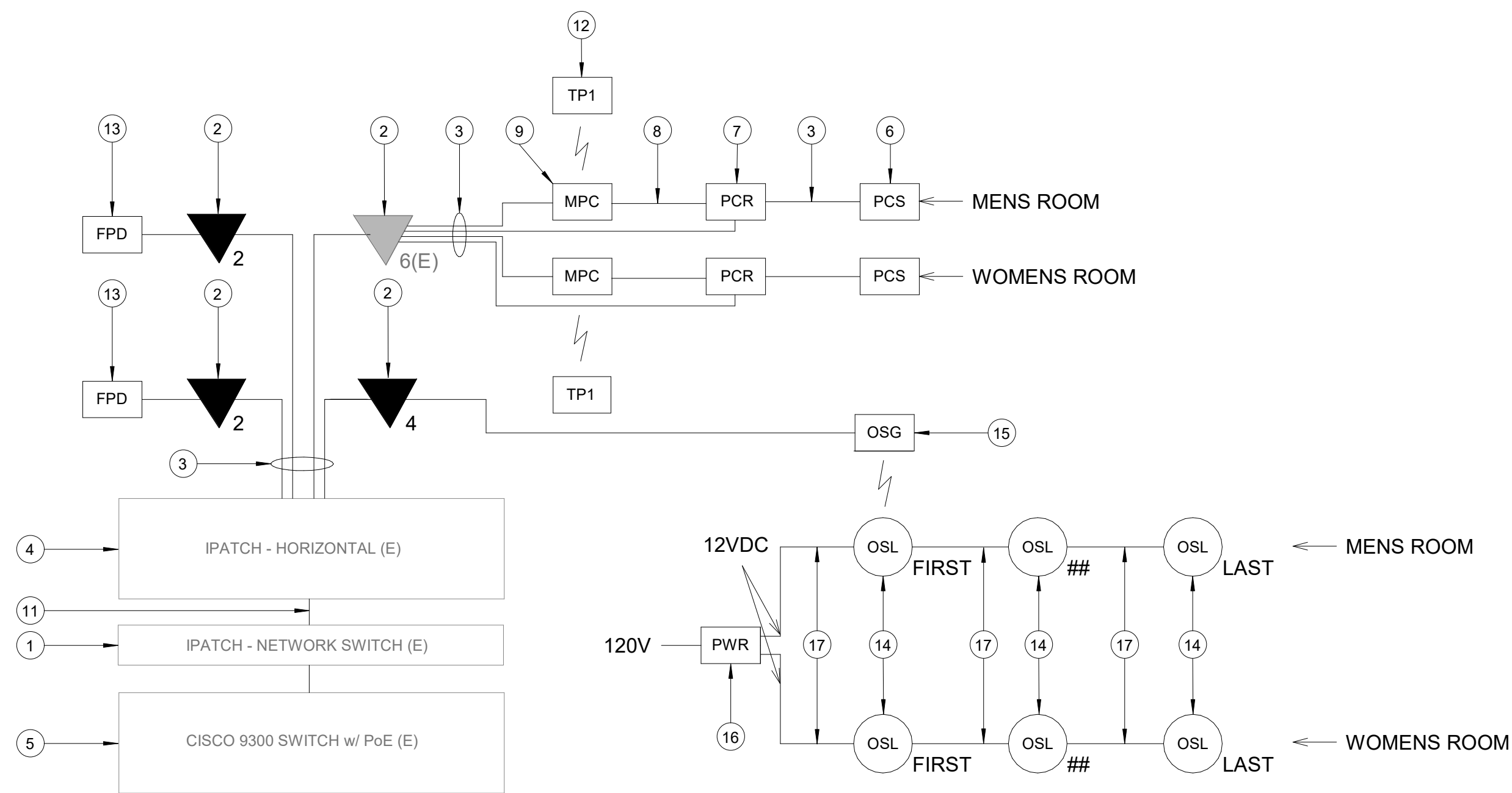
C3 IDF S108.2 - CABINET/RACK ELEVATIONS
SCALE: 1" = 1'-0"

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTES EXISTING.

KEYED NOTES

- IPATCH NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH. (E)
- PASSENGER COUNT SENSOR. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- PASSENGER COUNT SENSOR REMOTE. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. LOCATED IN GATE 28-32 RESTROOM JANITOR CLOSET REC. REFERENCE SHEET T-103.
- USB CABLE.
- MINI COMPUTER. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- EQUIPMENT RACK '01.01' (E). REFERENCE DETAIL 'C3' ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET. LATEST HAS IT ADOPTED PRODUCT OFFERED BY TRAXINFAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- FLAT PANEL DISPLAY. LG 32SM5KE.
- BATHROOM STALL OCCUPANCY LIGHTS. ZURN Z-LIGHT-W1. EXACT NUMBER DAISY-CHAINED NOT SHOWN. REFERENCE SHEET T-103.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY. ZURN Z-GW-WRP-W1-ETH. LOCATED IN GATE 28-32 RESTROOM JANITOR CLOSET REC. REFERENCE SHEET T-103.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY. MUST BE HARD WIRED BY ELECTRICIAN AND INSTALLED INTO A STANDARD 4-1/16" SQUARE METAL JUNCTION BOX IN ACCORDANCE WITH APPLICABLE LOCAL ELECTRIC CODE. REFERENCE SPECIFICATIONS.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.



A1 IDF S108.2 - ONE LINE DIAGRAM
SCALE: NTS



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TBP# FIRM #12493

DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

DESIGN BY: PGA
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CHECKED BY: JG
ISSUE DATE: 03/22/2022
APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

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Review/Approval Category
IFB
ISSUED FOR BIDDING



SHEET NAME:
TECHNOLOGY - ENLARGED PLAN - IDF S108.2

SHEET No. T-403 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt
 PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE:

**HOU RESTROOM RENOVATIONS
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3838 N. Sam Houston Pkwy., Ste. 550
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pga@pgaengineers.com
TBP# FIRM #12493

DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: **IFB**

REVISIONS

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|-----|--------------------|----------|-----|
| 1 | ISSUED FOR BIDDING | 03.22.22 | PGA |

DESIGN BY: PGA
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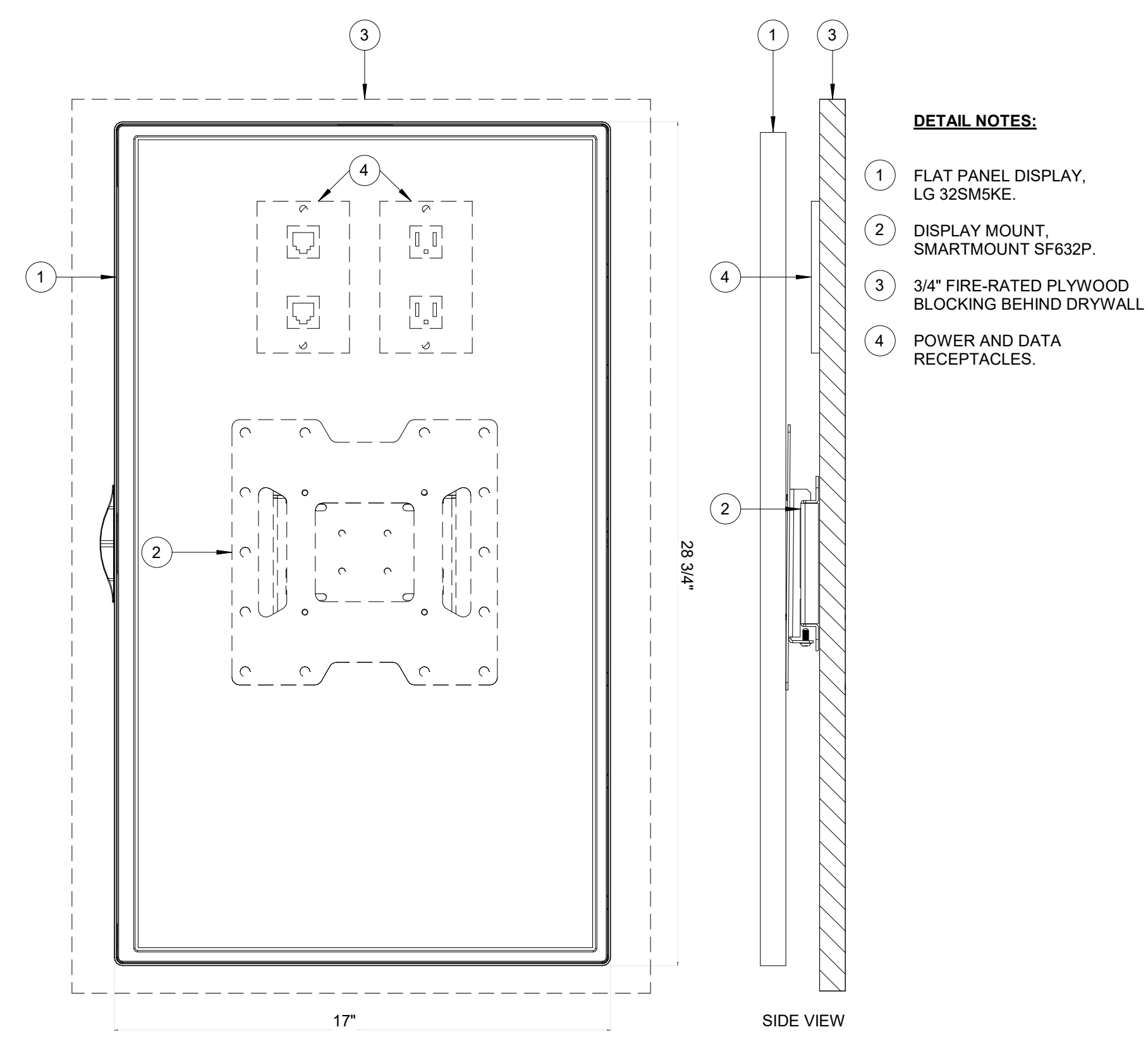
Review/Approval Category
IFB
ISSUED FOR BIDDING



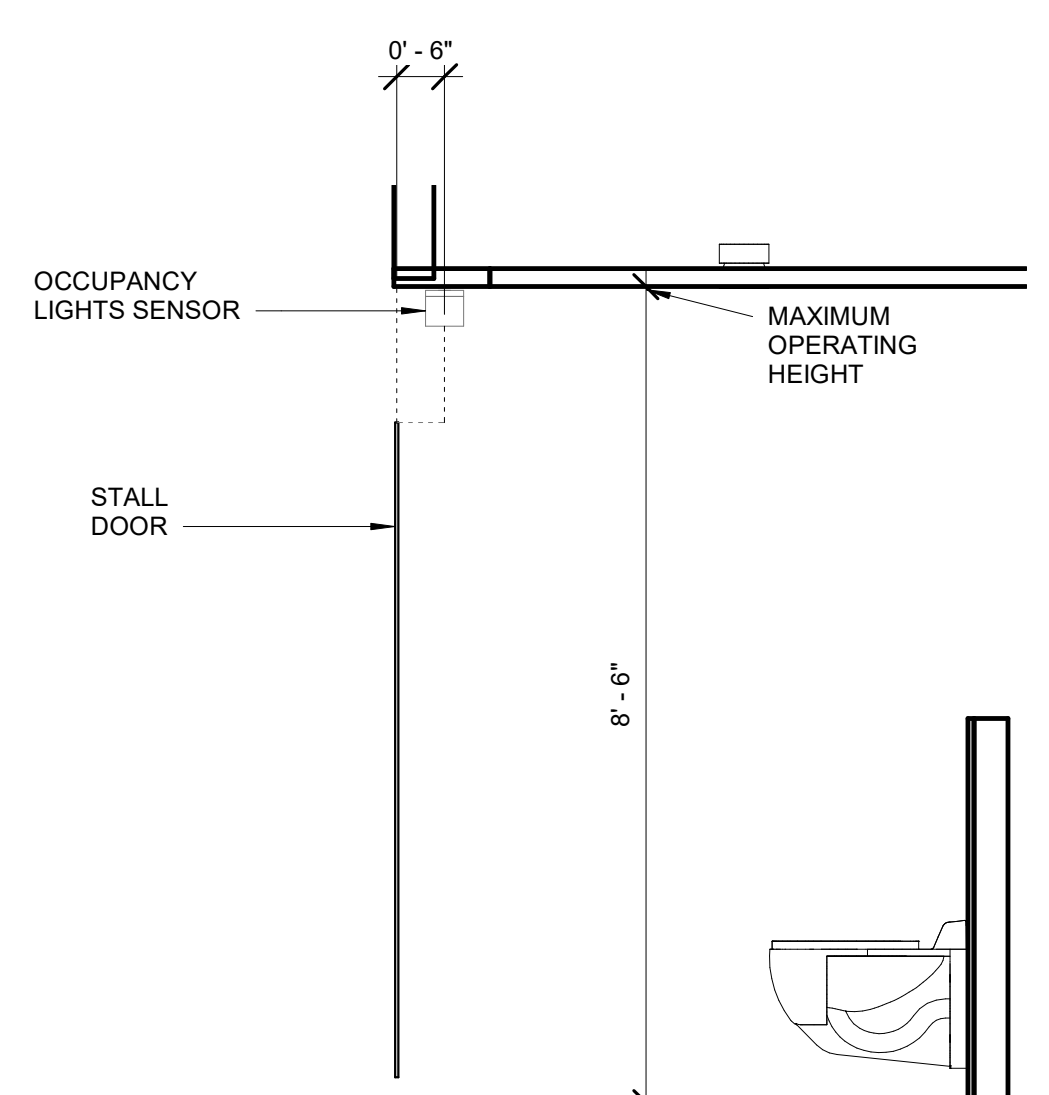
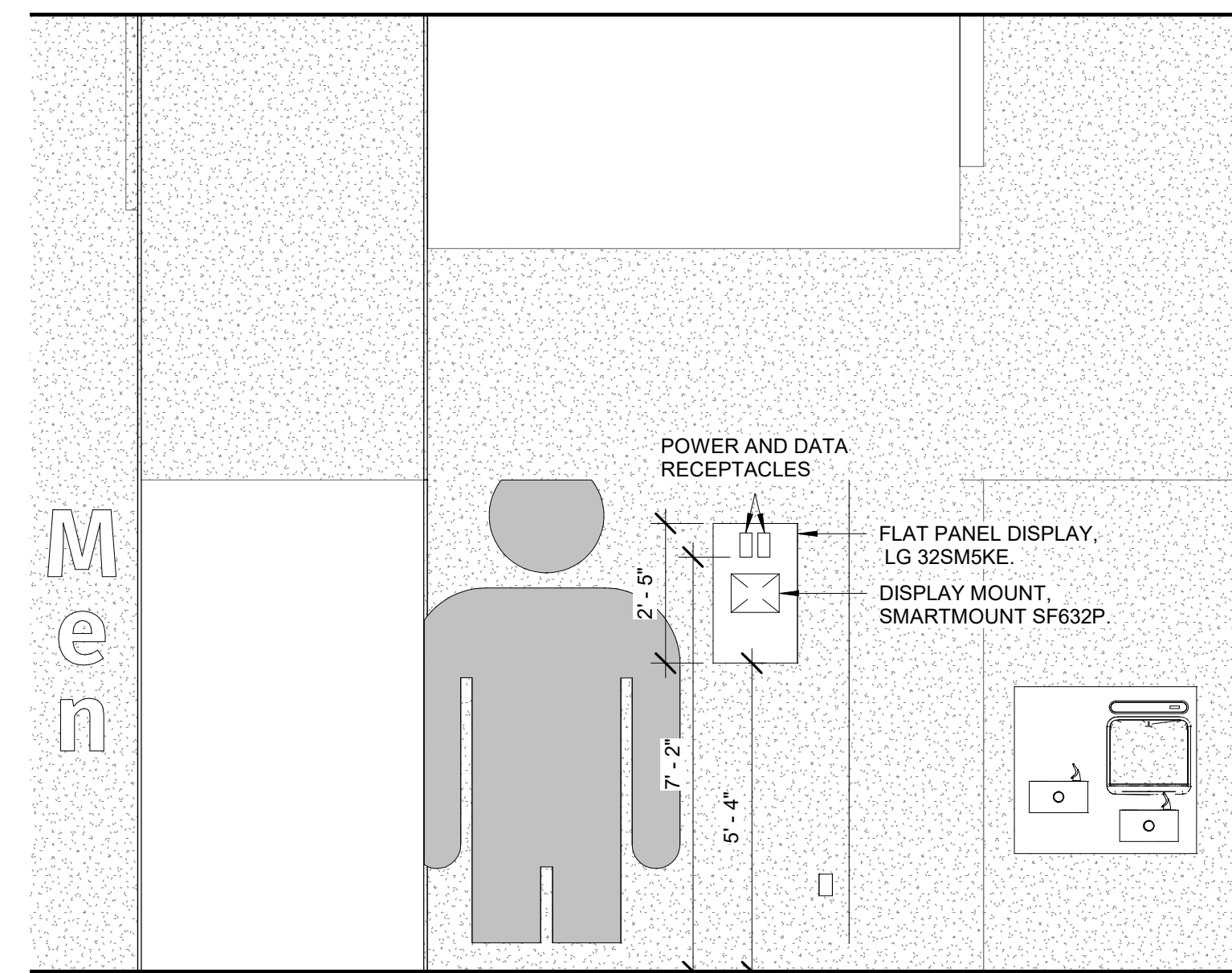
SHEET NAME: TECHNOLOGY - EQUIPMENT DETAILS

SHEET No. T-500 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



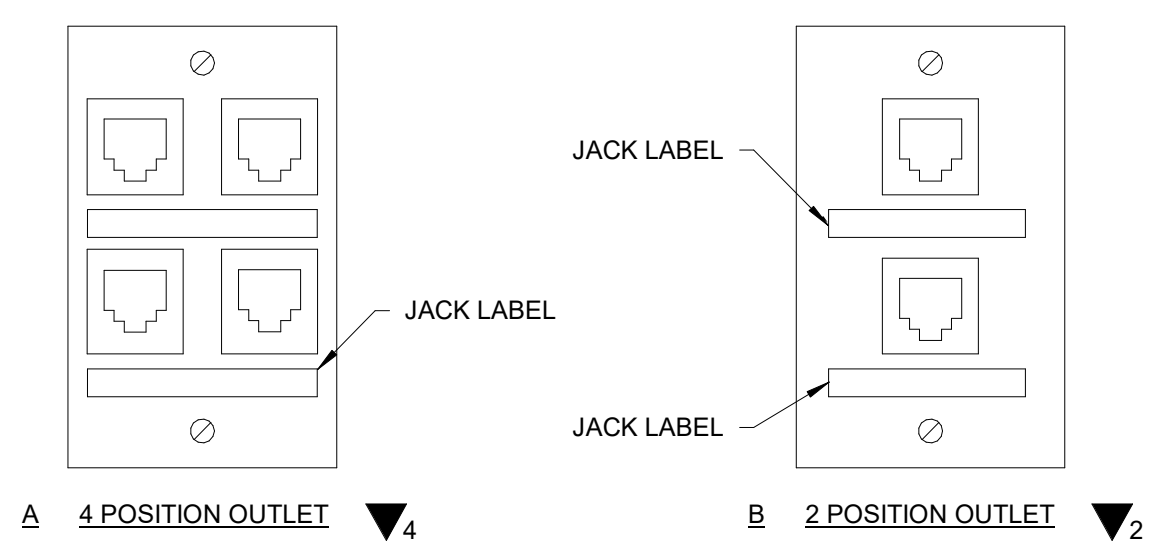
- DETAIL NOTES:**
- 1 FLAT PANEL DISPLAY, LG 32SM5KE.
 - 2 DISPLAY MOUNT, SMARTMOUNT SF632P.
 - 3 3/4" FIRE-RATED PLYWOOD BLOCKING BEHIND DRYWALL.
 - 4 POWER AND DATA RECEPTACLES.



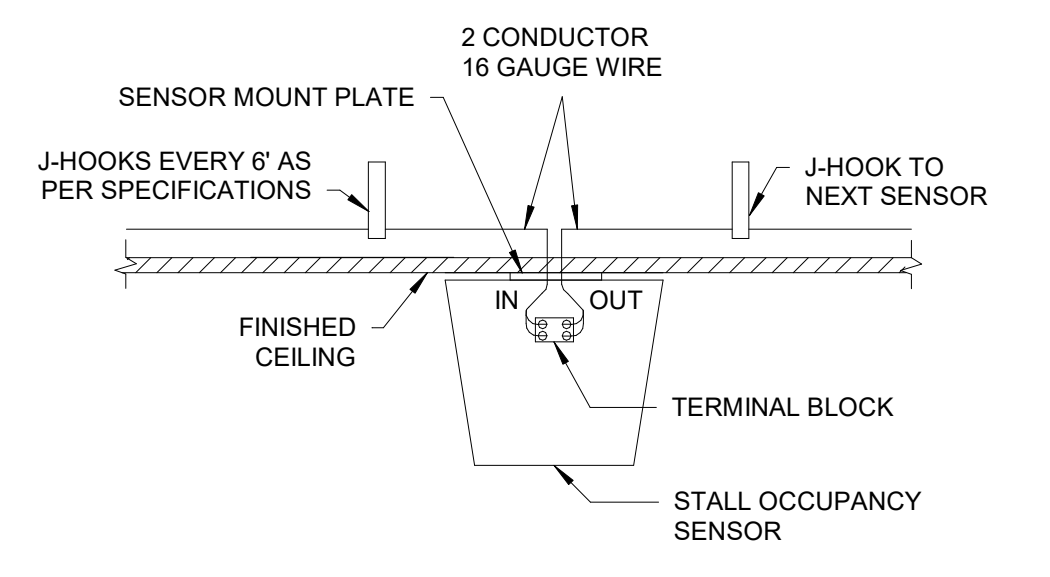
A3 FLAT PANEL DISPLAY WITH MOUNT
SCALE: NTS

B3 DISPLAY ELEVATION
SCALE: 3/8" = 1'-0"

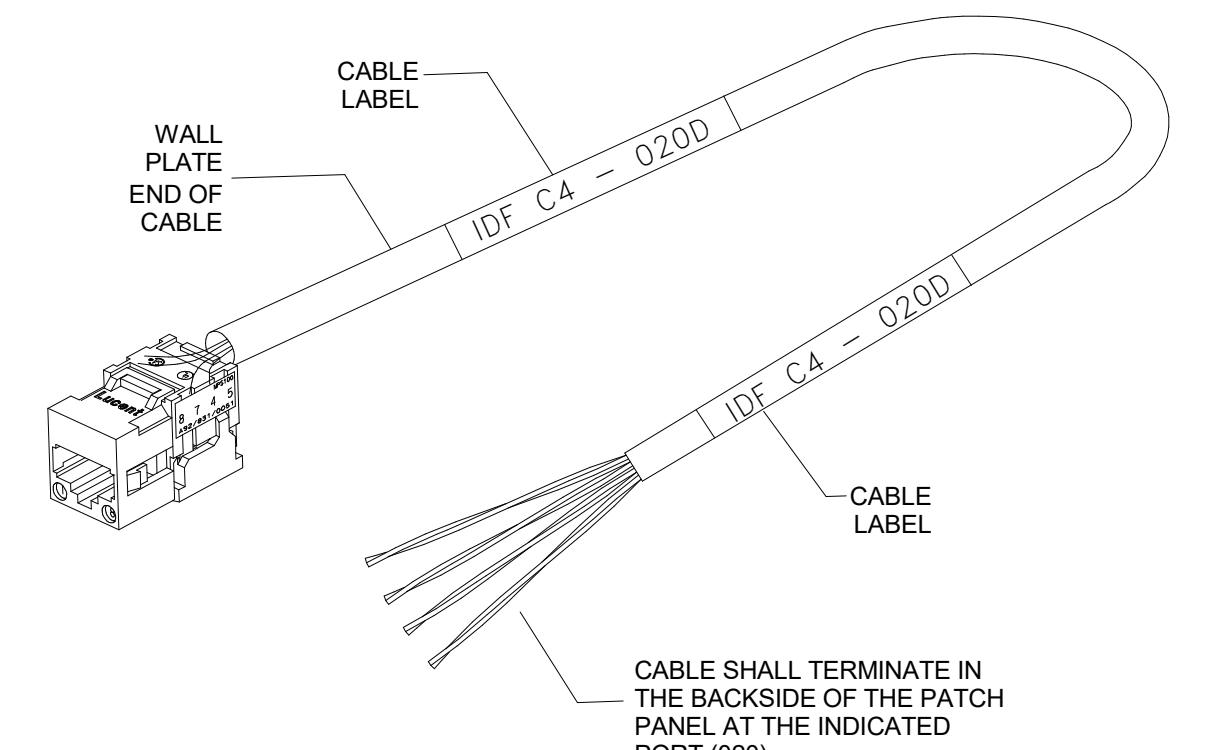
C3 SENSOR DIAGRAM
SCALE: 1/2" = 1'-0"



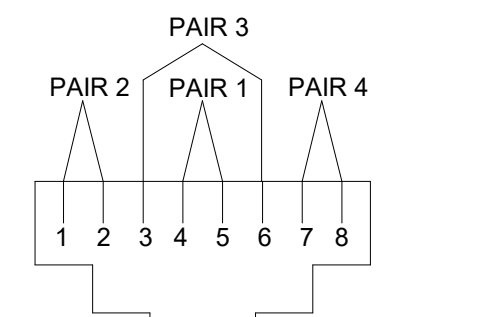
A2 COVERPLATE DETAIL
SCALE: NTS



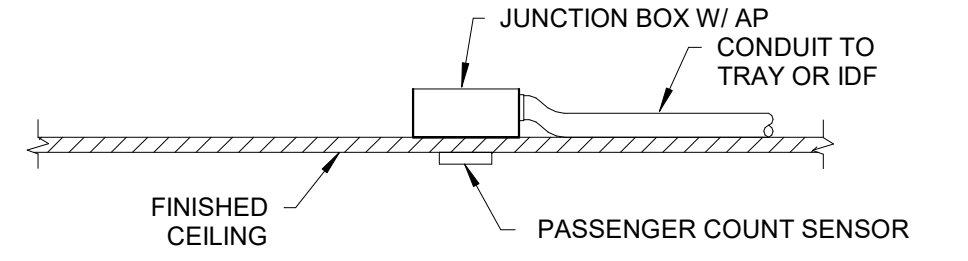
C2 STALL SENSOR INSTALLATION DETAIL
SCALE: NTS



A1 CABLE LABEL DETAIL
SCALE: NTS



ETHERNET CABLE WIRING TIA/EIA 568B
B1 TERMINATION DETAIL
SCALE: NTS



C1 PASSENGER COUNT SENSOR INSTALLATION DETAIL
SCALE: NTS

FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt
 HAS FILE:
 PLOT DATE:
 PLOT DATE:
 DOA DWG FILE:
 OLD DOA No.:
 PLOT DATE:

| TECHNOLOGY SCHEDULE | | | | |
|---------------------|------------|-------------------|--------------------|----------|
| DEVICE ID | LOCATION | MANUFACTURER | MODEL | COMMENTS |
| BTP.01 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.02 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.03 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.04 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.05 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.06 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.07 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.08 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.09 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.10 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.11 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| BTP.12 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| FDP.01 | GATE 20-23 | LG | 32SM5KE | |
| FDP.02 | GATE 20-23 | LG | 32SM5KE | |
| FDP.03 | GATE 24-27 | LG | 32SM5KE | |
| FPD.04 | GATE 24-27 | LG | 32SM5KE | |
| FPD.05 | GATE 28-32 | LG | 32SM5KE | |
| FPD.06 | GATE 28-32 | LG | 32SM5KE | |
| OSL.01 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.02 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.03 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.04 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.05 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.06 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.07 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.08 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.09 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.10 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.11 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.12 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.13 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.14 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.15 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.16 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.17 | GATE 20-23 | ZURN | Z-LIGHT-W1 | |
| OSL.18 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.19 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.20 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.21 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.22 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.23 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.24 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.25 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.26 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.27 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.28 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.29 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.30 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.31 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.32 | GATE 24-27 | ZURN | Z-LIGHT-W1 | |
| OSL.33 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.34 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.35 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.36 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.37 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.38 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.39 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.40 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.41 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.42 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.43 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.44 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| OSL.45 | GATE 28-32 | ZURN | Z-LIGHT-W1 | |
| PCS.01 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| PCS.02 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| PCS.03 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| PCS.04 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| PCS.05 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| PCS.06 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| SP1.01 | GATE 20-23 | JBL | CONTROL 24CT | |
| SP1.02 | GATE 20-23 | JBL | CONTROL 24CT | |
| SP1.03 | GATE 20-23 | JBL | CONTROL 24CT | |
| SP1.04 | GATE 20-23 | JBL | CONTROL 24CT | |
| SP1.05 | GATE 24-27 | JBL | CONTROL 24CT | |
| SP1.06 | GATE 24-27 | JBL | CONTROL 24CT | |
| SP1.07 | GATE 24-27 | JBL | CONTROL 24CT | |
| SP1.08 | GATE 24-27 | JBL | CONTROL 24CT | |
| SP1.09 | GATE 28-32 | JBL | CONTROL 24CT | |
| SP1.10 | GATE 28-32 | JBL | CONTROL 24CT | |
| SP1.11 | GATE 28-32 | JBL | CONTROL 24CT | |
| SP1.12 | GATE 28-32 | JBL | CONTROL 24CT | |
| SP1.13 | GATE 28-32 | JBL | CONTROL 24CT | |
| TP1.01 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| TP1.02 | GATE 20-23 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| TP1.03 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| TP1.04 | GATE 24-27 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| TP1.05 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |
| TP1.06 | GATE 28-32 | LATEST TRAX/INFAX | SEE SPECIFICATIONS | |

A1 EQUIPMENT SCHEDULE
SCALE: 1/16" = 1'-0"



7800 Airport Blvd
Houston, TX 77061

**HOU RESTROOM RENOVATIONS
PHASE 2**

C.I.P. No. PN209A A.I.P. No.
C.O.H. No. D.O.A. No.

RDLR Architects
ARCHITECTURE PLANNING INTERIORS

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



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Houston, TX 77052
346.570.2418
pgaengineers.com
TBP# FRM #12493

DESIGNER PROJECT No.: 2021.001
PROJECT STATUS: **IFB**

REVISIONS

| No. | DESCRIPTION | DATE | BY |
|--------------------|-------------|----------|-----|
| ISSUED FOR BIDDING | | 03.22.22 | PGA |

DESIGN BY: PGA
DRAWN BY: AC
CHECKED BY: JG
ISSUE DATE: 03/22/2022
APPROVED BY: Approver
APPROVAL DATE: 02/11/2022

**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

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: FILE PATH: BIM 360/1429.06 Hobby Airport Restroom Renovations/2021.001 - RDLR (HOU RR RENO) - PGA.rvt HAS FILE: