



2800 N Terminal Rd  
Houston, TX 77032

**IAH TERMINAL A - RESTROOMS REFRESH**

C.I.P. No. 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

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



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

REVISIONS			
No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03.15.24  
APPROVED BY: DO  
APPROVAL DATE: 03.15.24

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

Review/Approval Category <b>IFB</b> ISSUED FOR BIDDING	REGISTERED ARCHITECT DANIEL E. CRYE 25004 STATE OF TEXAS 03.15.24
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SHEET NAME: COVER SHEET

SHEET No. G-000 SCALE:

**MAYOR**

JOHN WHITMIRE

**CITY COUNCIL MEMBERS**

AMY PECK - DISTRICT A

TARSHA JACKSON - DISTRICT B

ABBIE KAMIN - DISTRICT C

CAROLYN EVANS-SHABAZZ - DISTRICT D

FRED FLICKINGER - DISTRICT E

TIFFANY D. THOMAS - DISTRICT F

MARY NAN HUFFMAN - DISTRICT G

MARIO CASTILLO - DISTRICT H



**CONTROLLER**

CHRIS HOLLINS

**CITY COUNCIL MEMBERS**

JOAQUIN MARTINEZ - DISTRICT I

EDWARD POLLARD - DISTRICT J

MARTHA CASTEX-TATUM - DISTRICT K

JULIAN RAMIREZ - AT LARGE POSITION 1

WILLIE DAVIS - AT LARGE POSITION 2

TWILA CARTER - AT LARGE POSITION 3

LETITIA PLUMMER - AT LARGE POSITION 4

SALLIE ALCORN - AT LARGE POSITION 5

# IAH TERMINAL A - RESTROOMS REFRESH

AT

# GEORGE BUSH INTERCONTINENTAL AIRPORT

TIP NO. XXXXXXXXX

BSG PROJECT NO. XXXXXXXXX

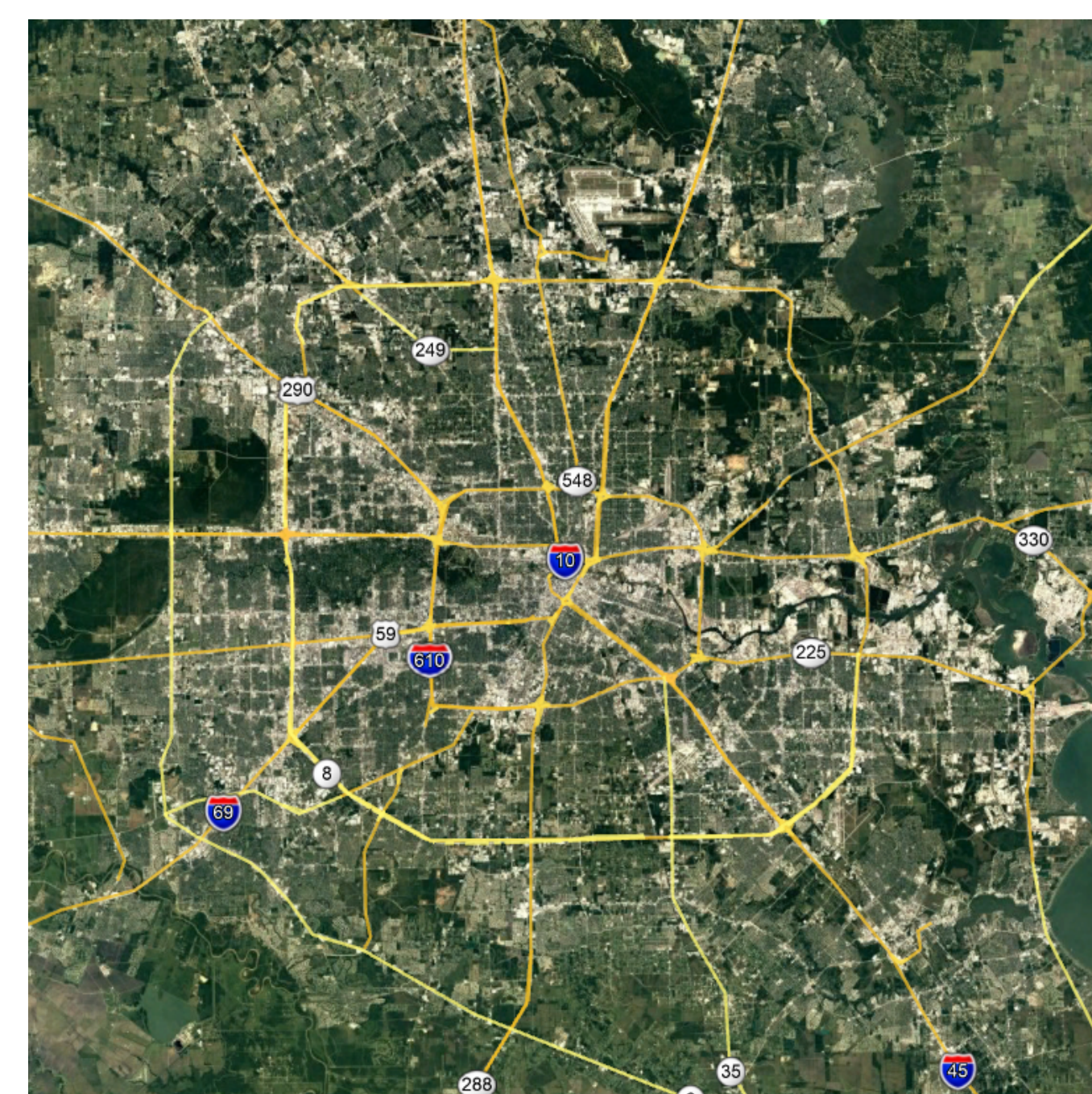
PREPARED BY

# RDLR

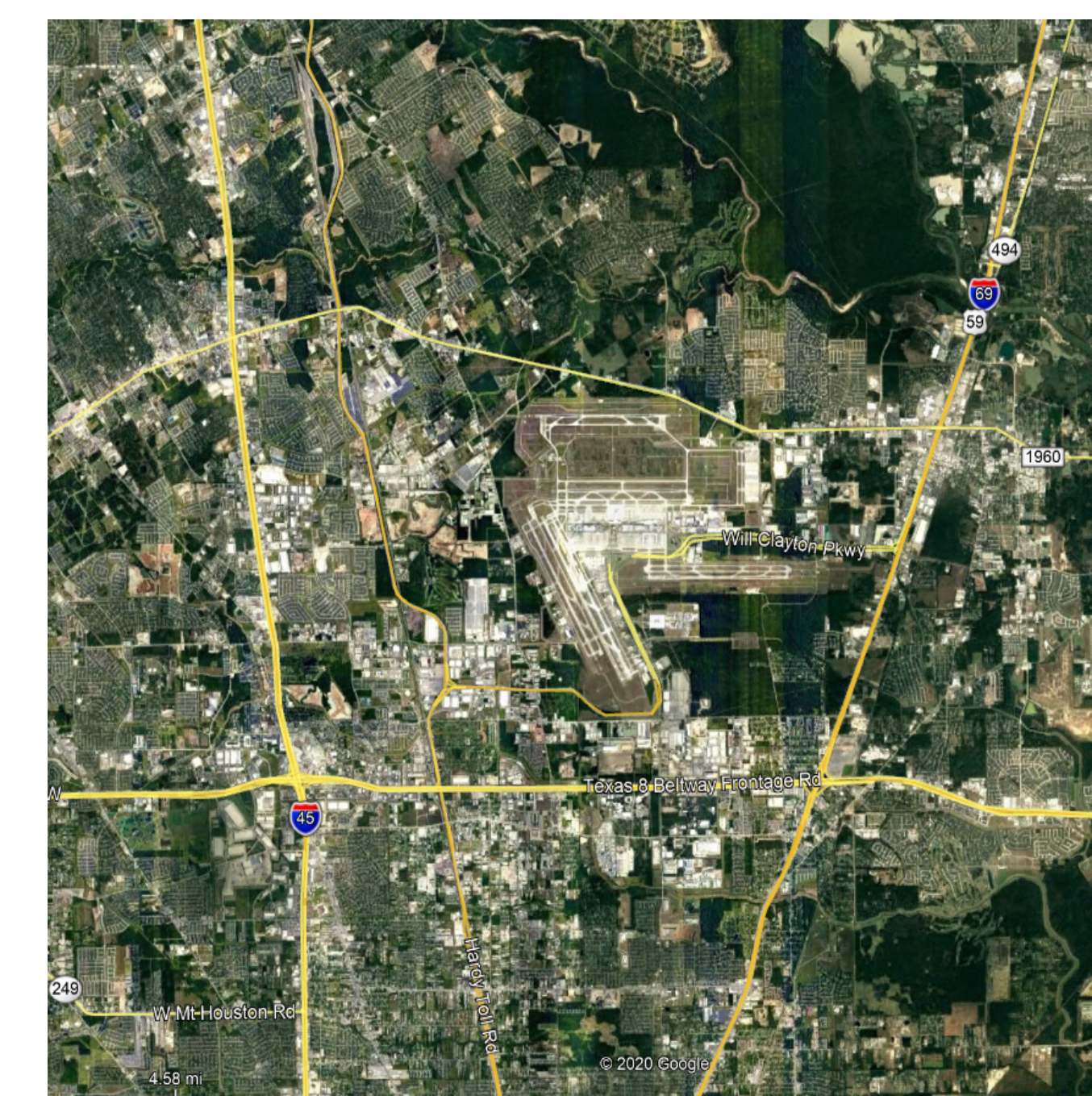
03.15.24

# HOUSTON AIRPORT SYSTEM

**JIM SZCZESNIAK - DIRECTOR**



AREA MAP - N.T.S.



VICINITY MAP - N.T.S.

FILE PATH: Autodesk Docs:/1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:

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

A

B

C

D

E

SHEET INDEX

Table with columns: Sheet Number, Sheet Name. Lists architectural, mechanical, electrical, and plumbing sheets including general notes, demolition plans, overall floor plans, and equipment details.

SHEET INDEX

Table with columns: Sheet Number, Sheet Name. Lists fire protection and technology sheets including fire alarm enlarged plans, baggageway overall floorplans, and equipment schedules.

FILE PATH: AutodesK Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

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

A

B

C

D

E



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IAH TERMINAL A RESTROOMS REFRESH

Table with columns: C.I.P. No., A.I.P. No., C.O.H. No., D.O.A. No.

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DESIGNER PROJECT No.: PROJECT STATUS: IFB

REVISIONS

Table with columns: No., DESCRIPTION, DATE, BY. Includes design, drawn, checked, issue, approved, and approval dates.

DIRECTOR of HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING stamp and professional seal of a Registered Professional Engineer, State of Texas, No. 051524.

Table with columns: SHEET NAME, SHEET No., SCALE. SHEET NAME: SHEET INDEX, SHEET No.: G-001, SCALE:

SHEET SIZE: 30"x42" ARCH E1



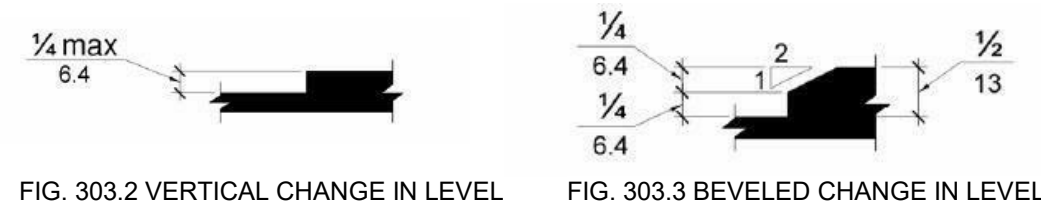


302 FLOOR OR GROUND SURFACES

302.1 GENERAL. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND RESISTANT AND SHALL COMPLY WITH 302.2 THROUGH 302.5.

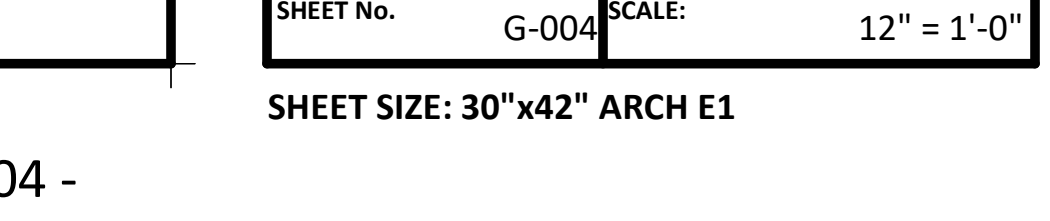
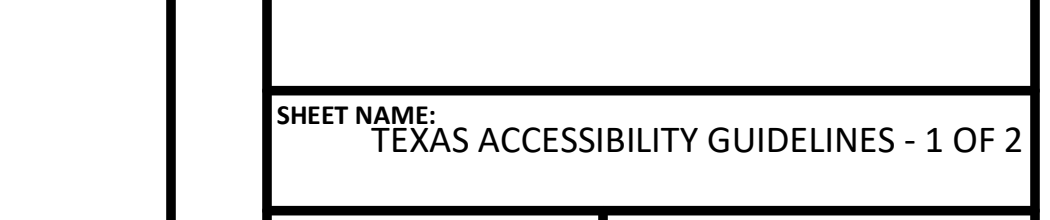
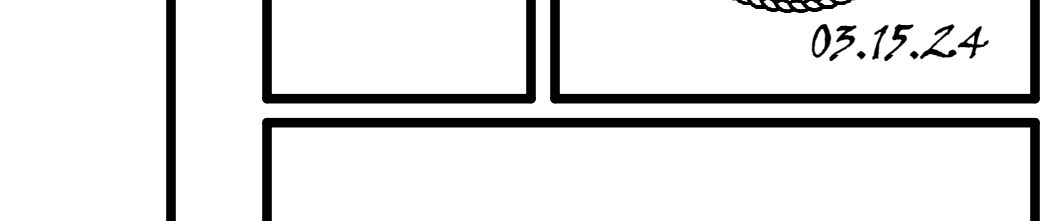
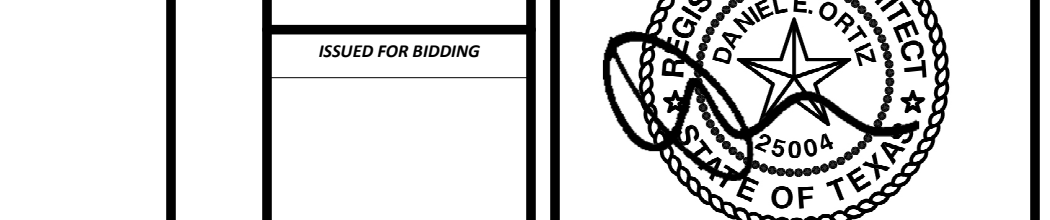
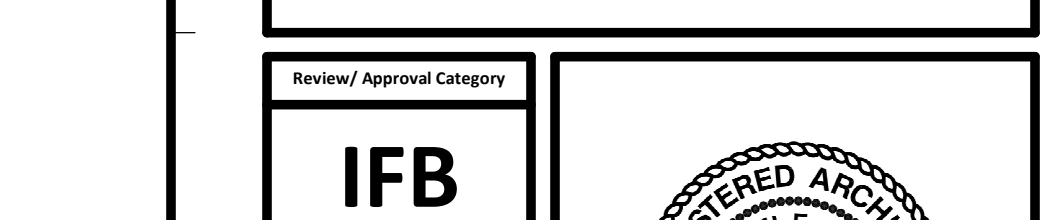
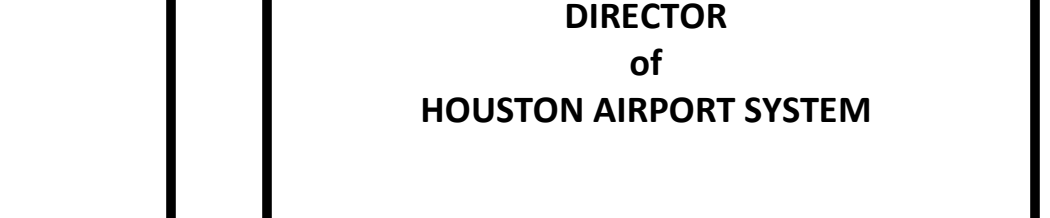
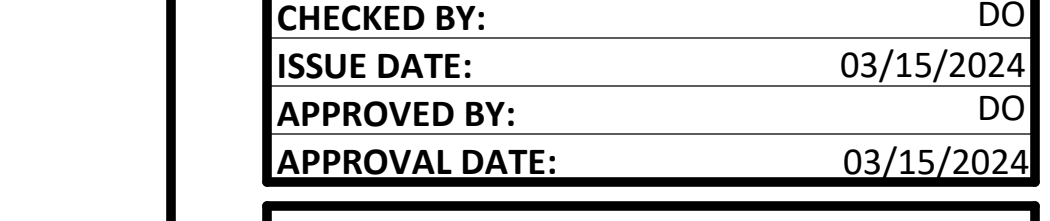
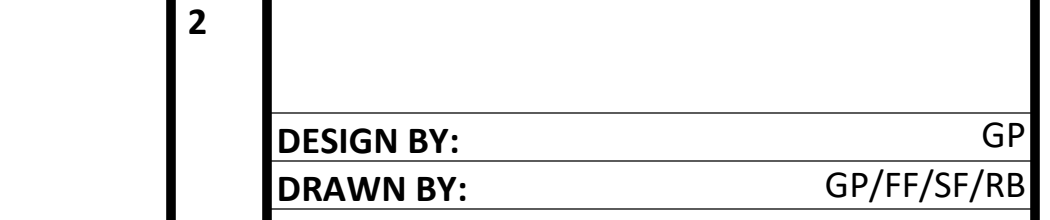
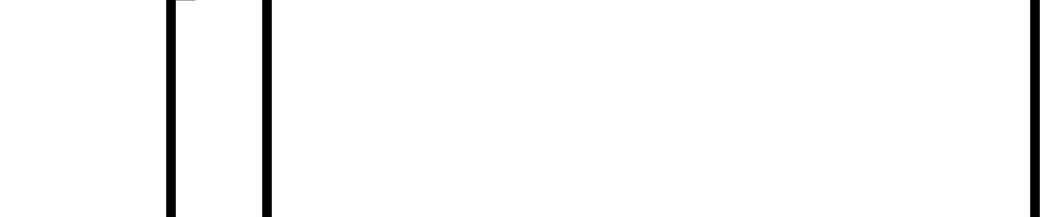
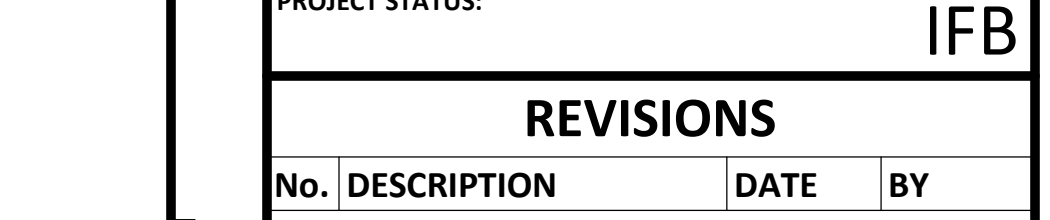
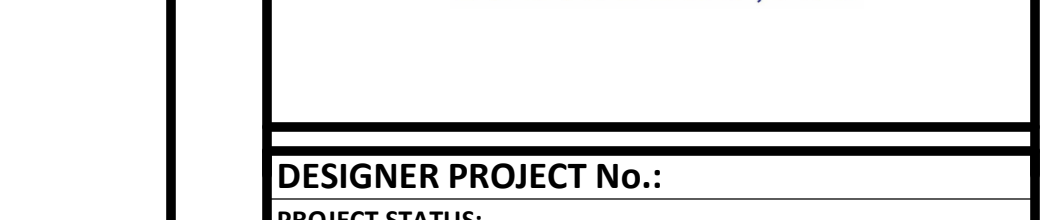
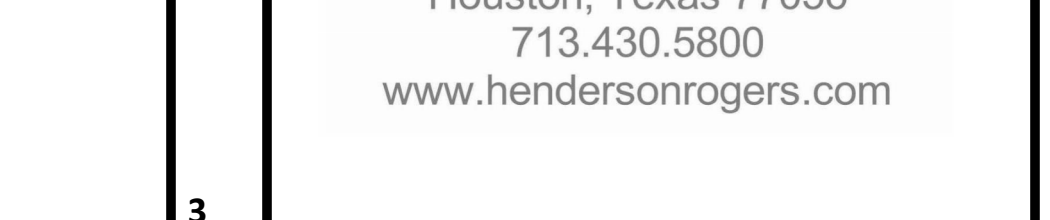
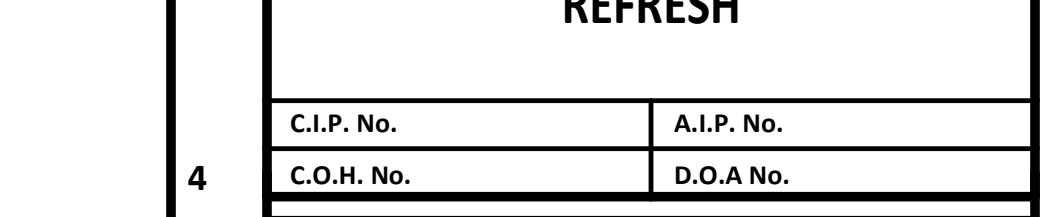
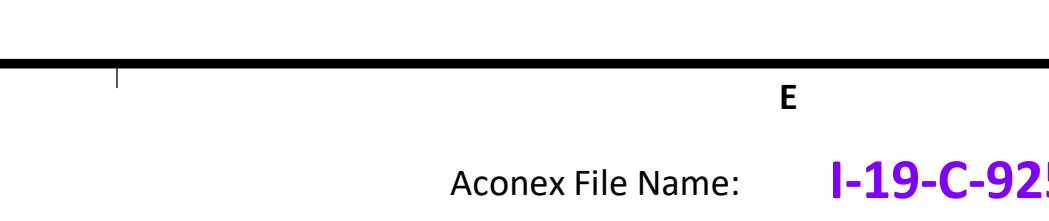
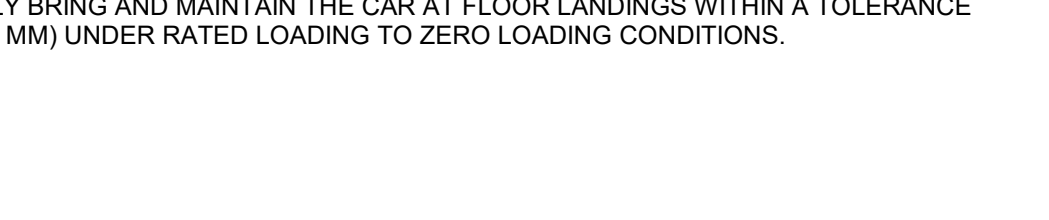
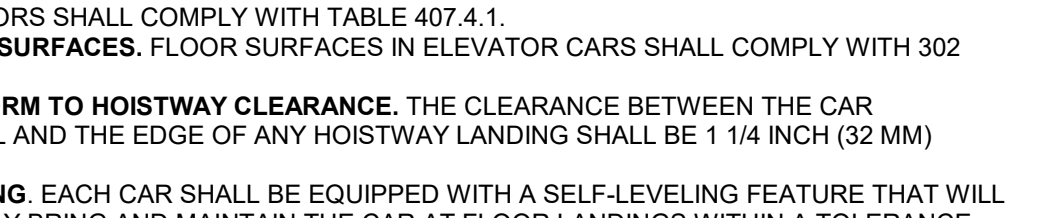
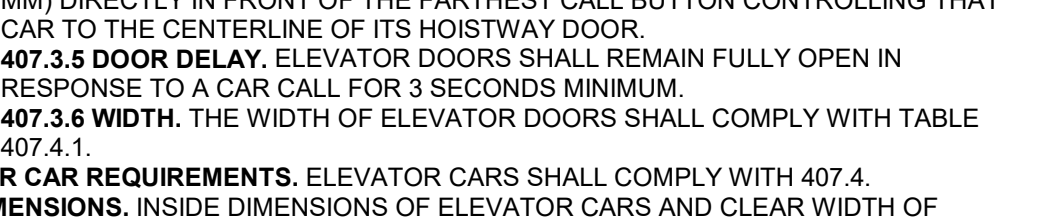
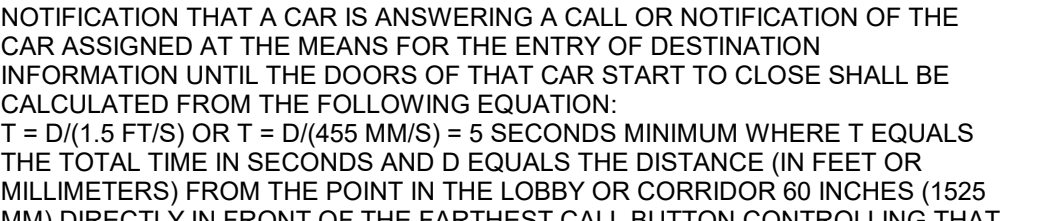
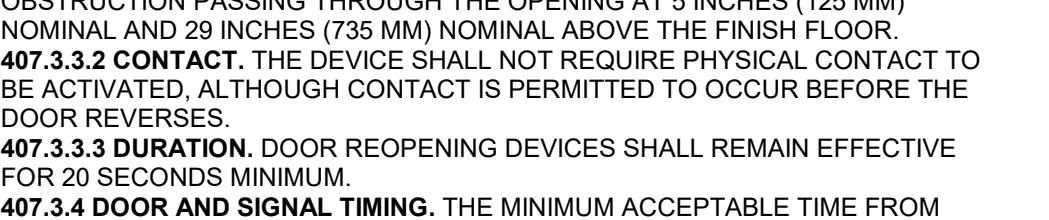
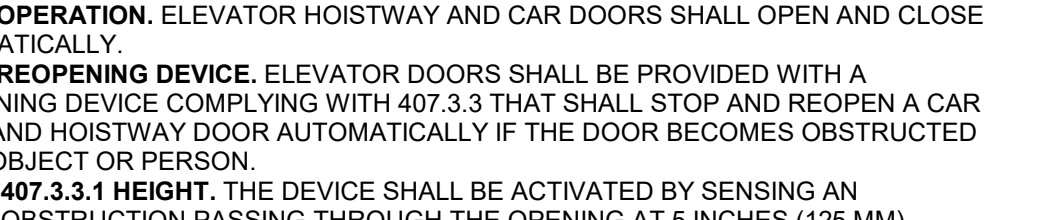
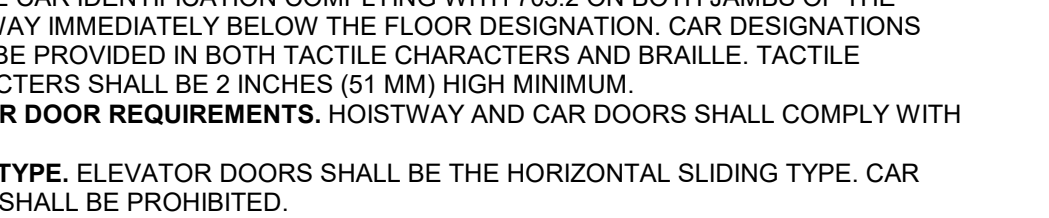
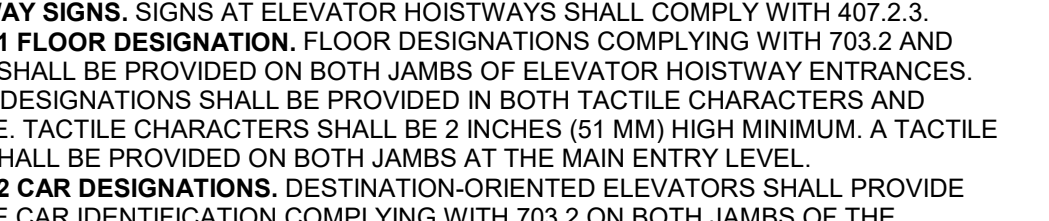
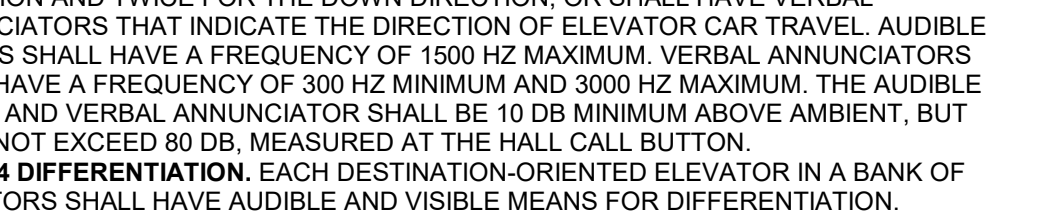
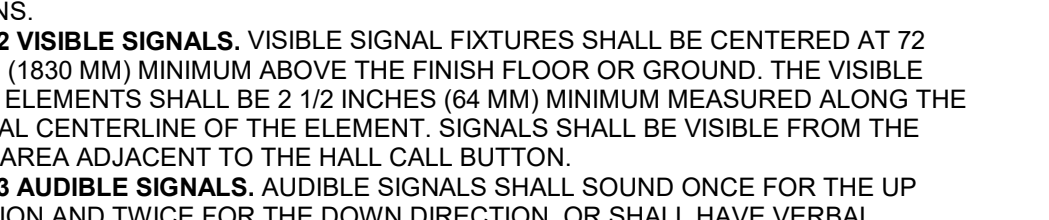
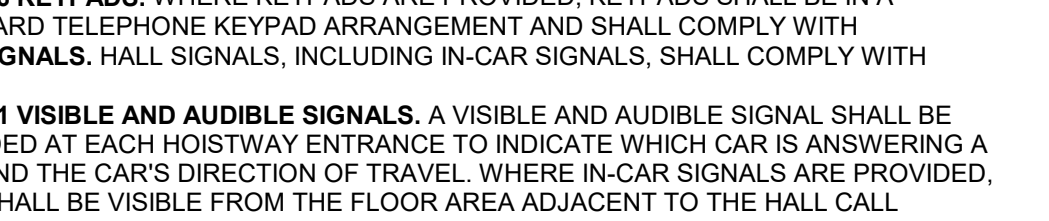
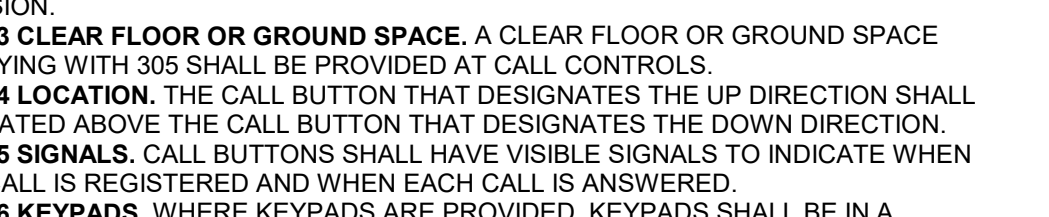
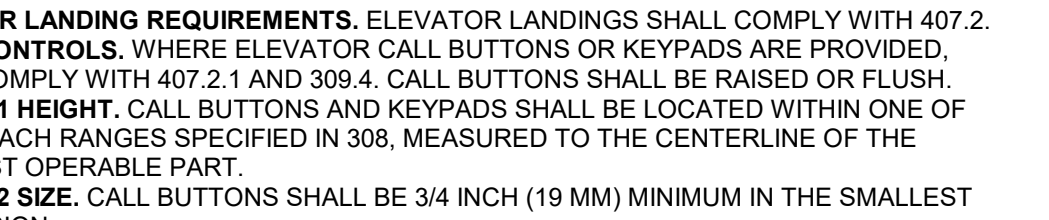
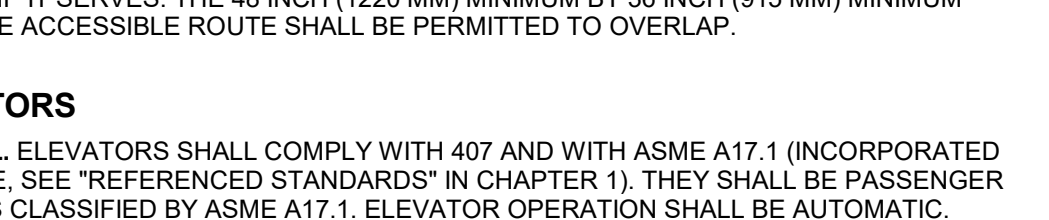
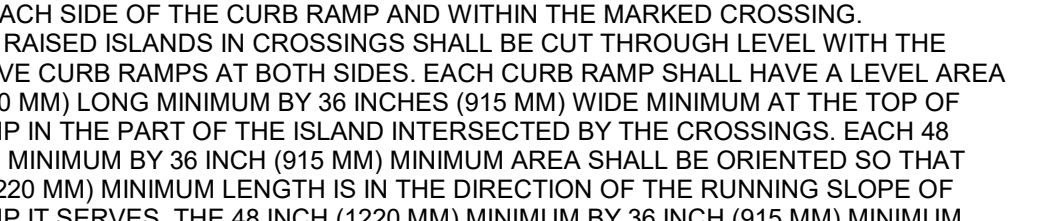
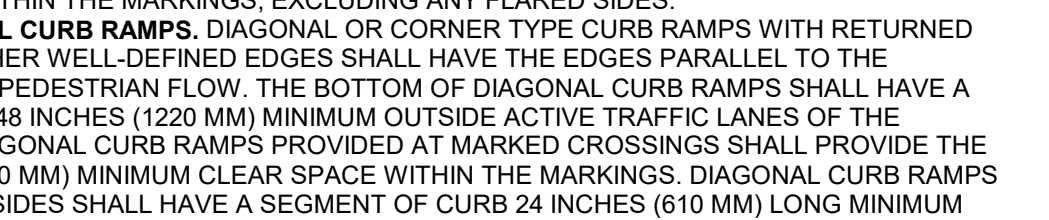
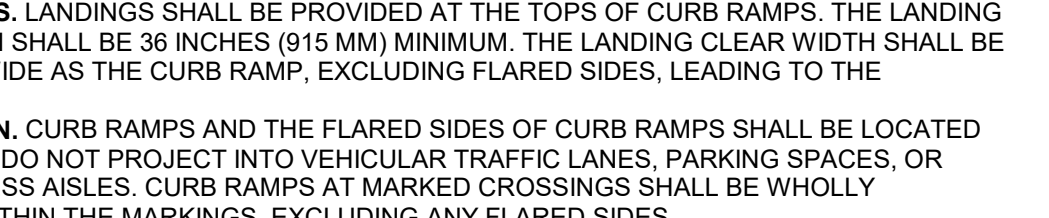
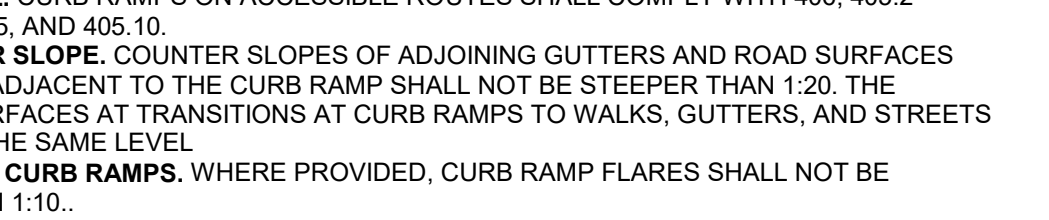
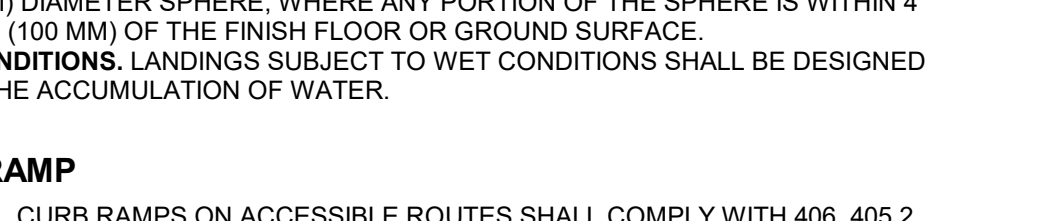
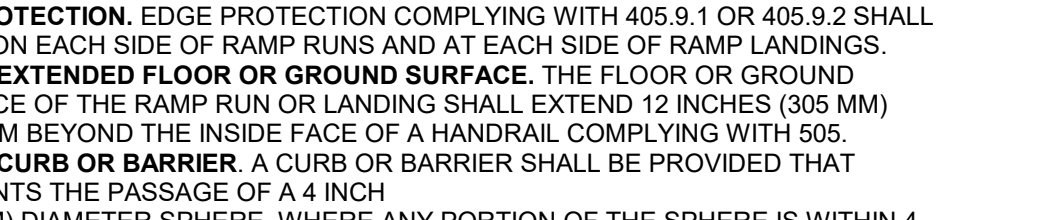
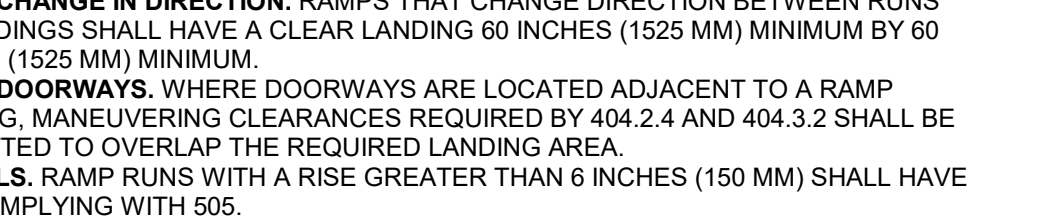
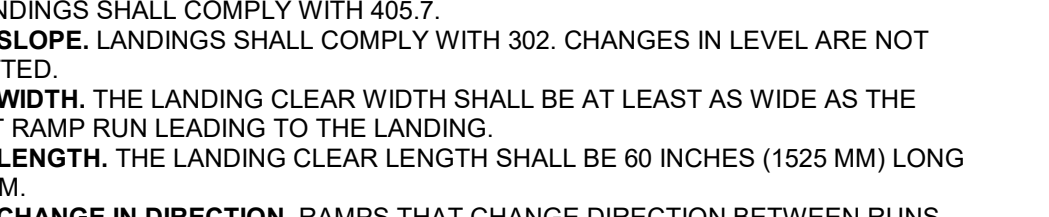
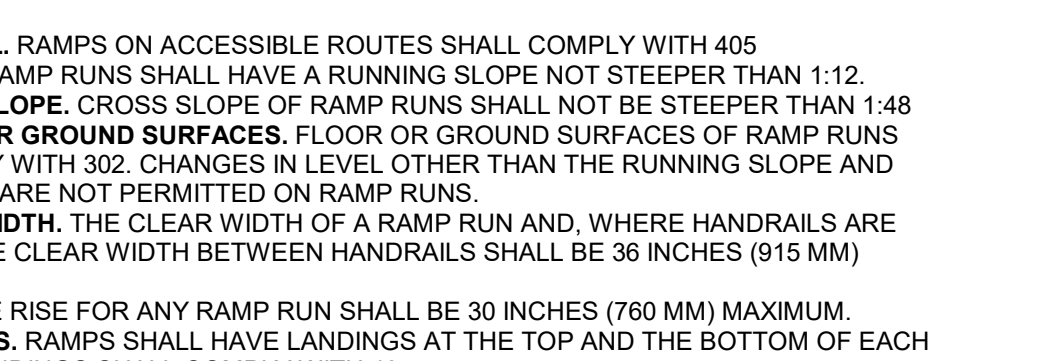
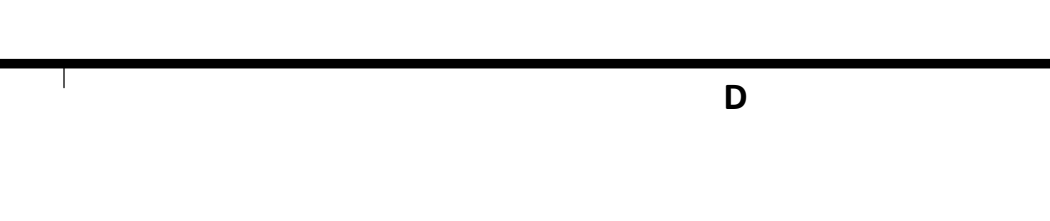
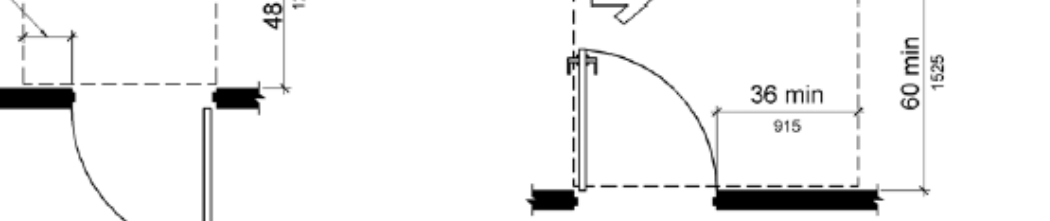
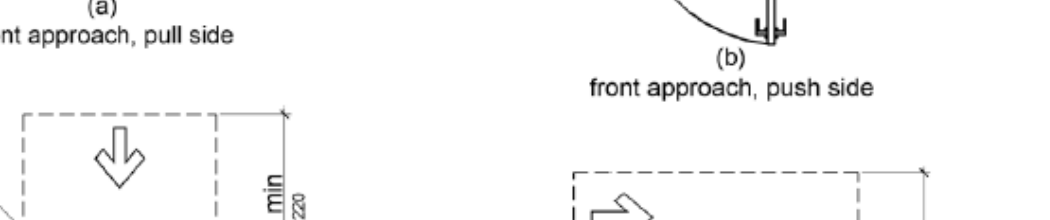
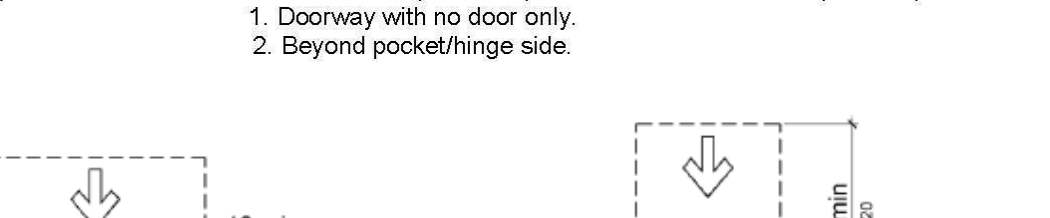
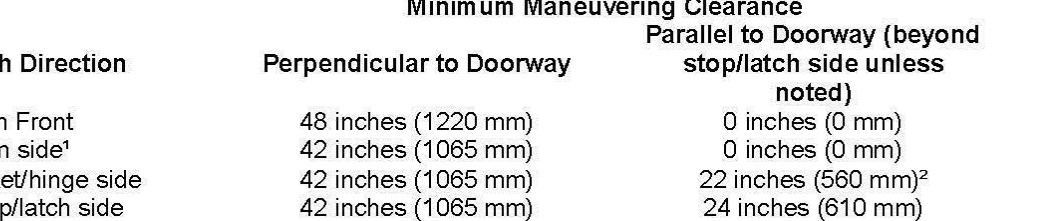
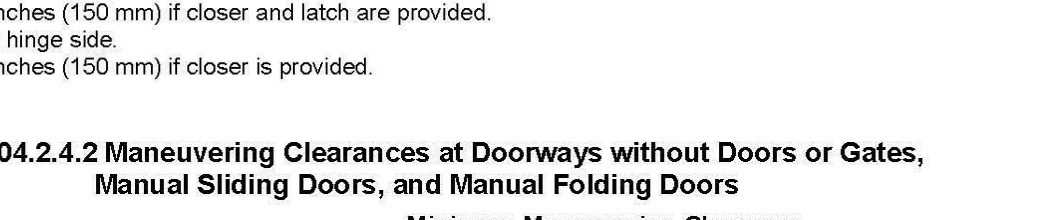
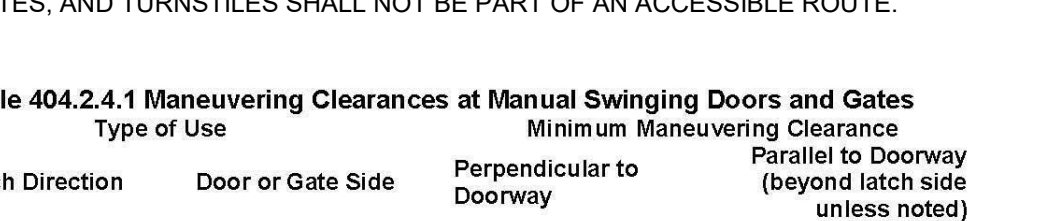
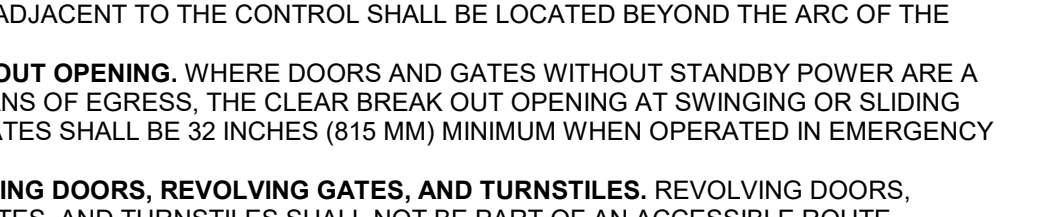
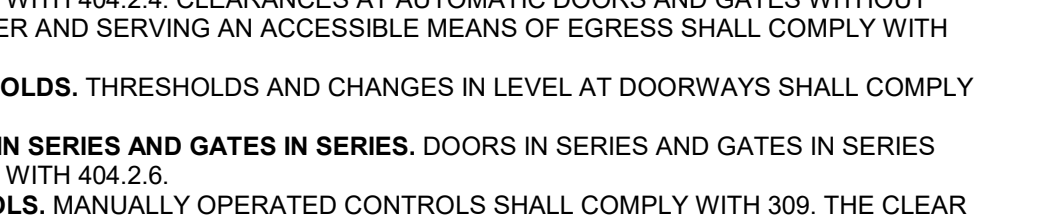
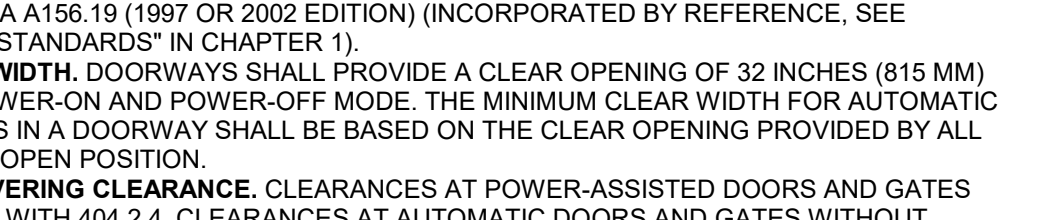
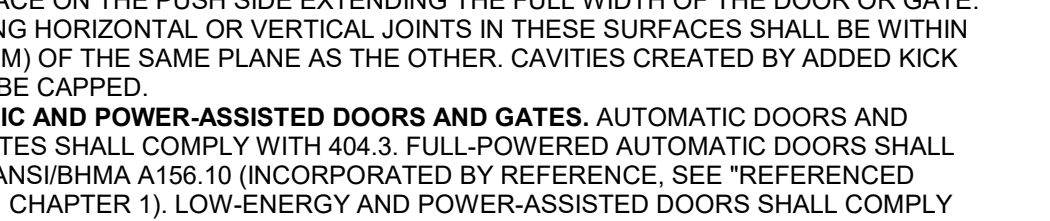
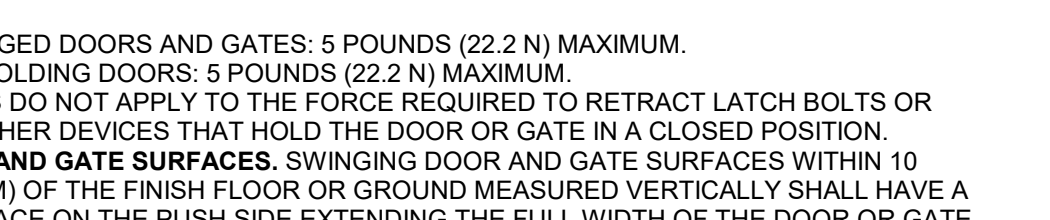
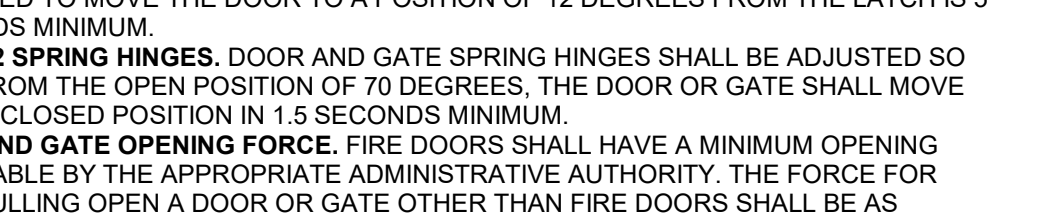
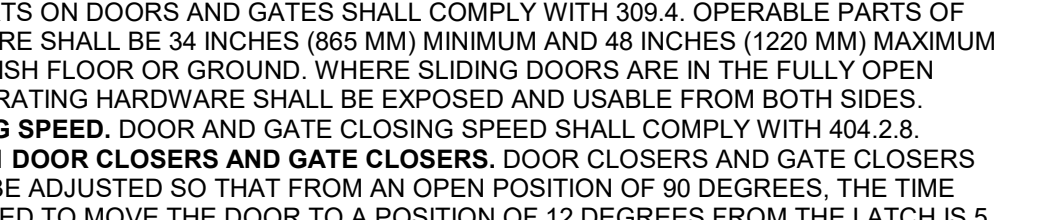
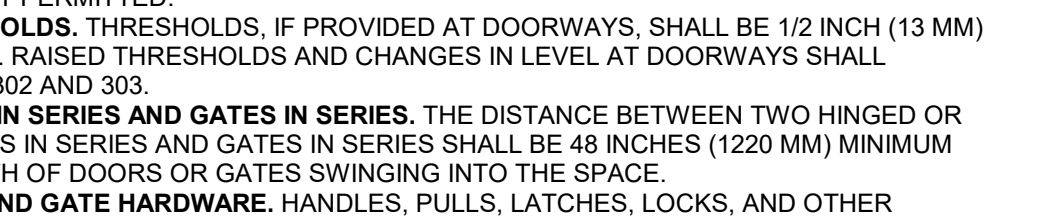
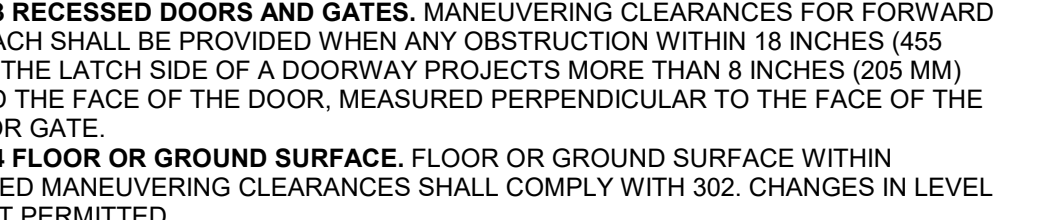
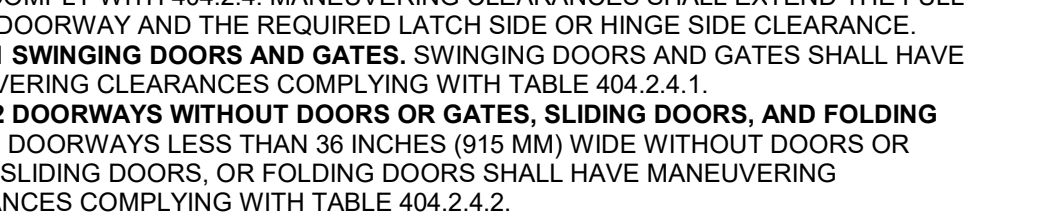
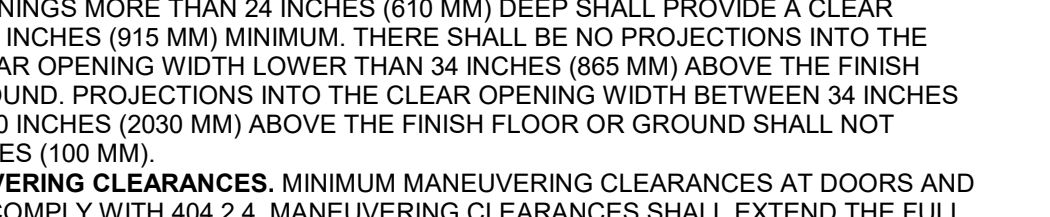
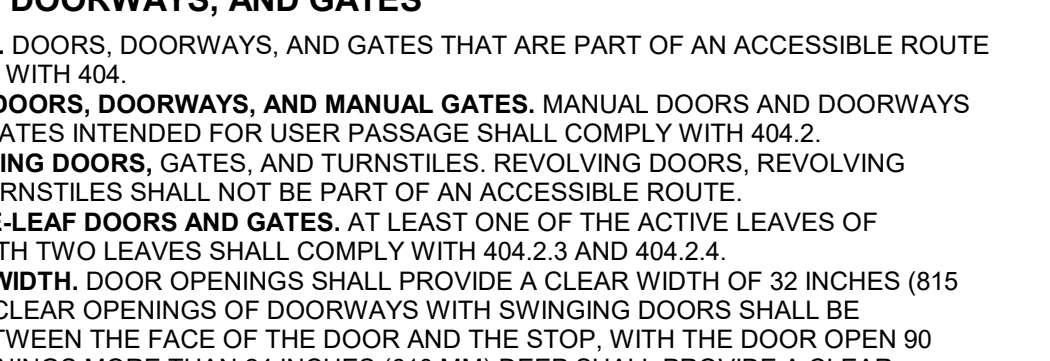
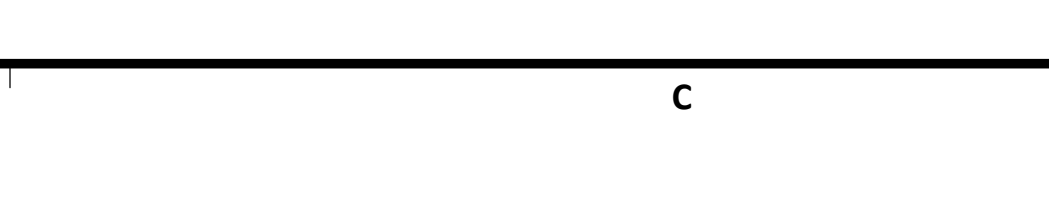
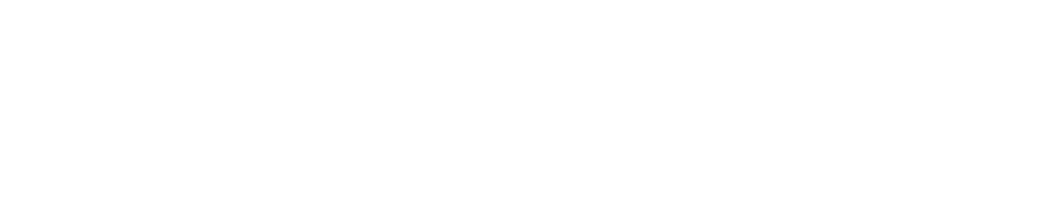
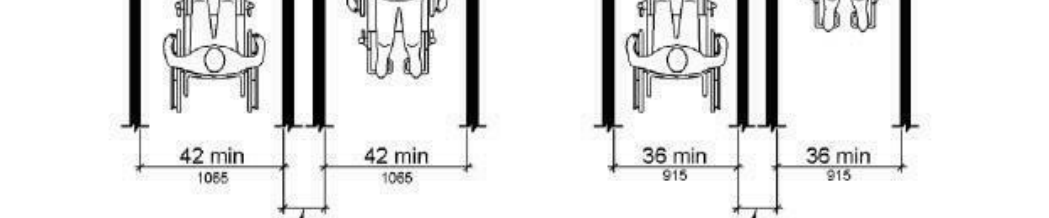
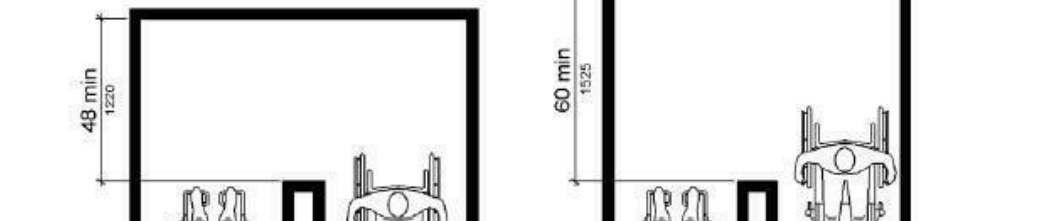
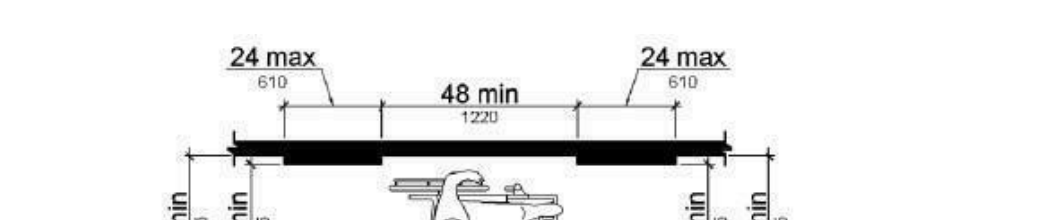
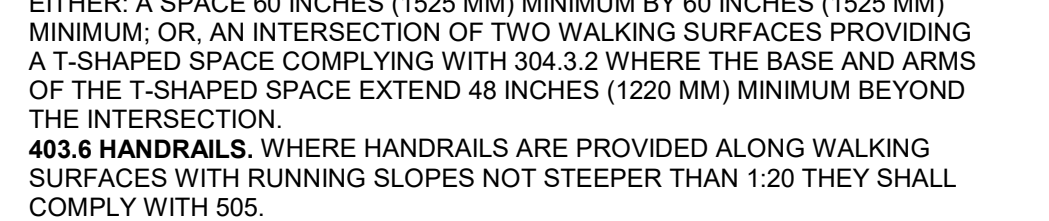
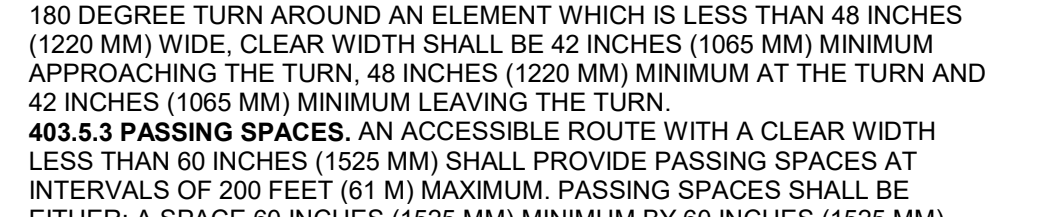
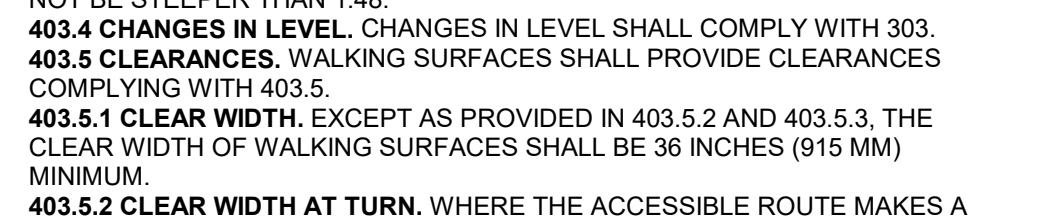
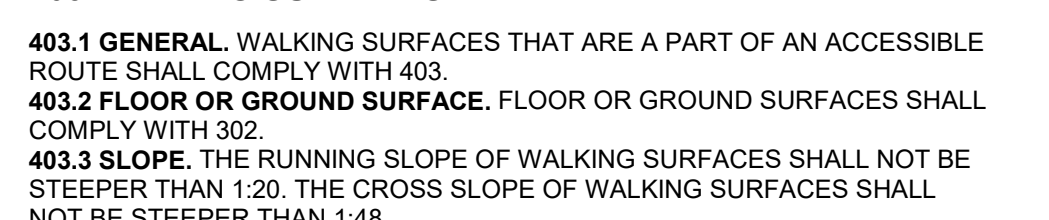
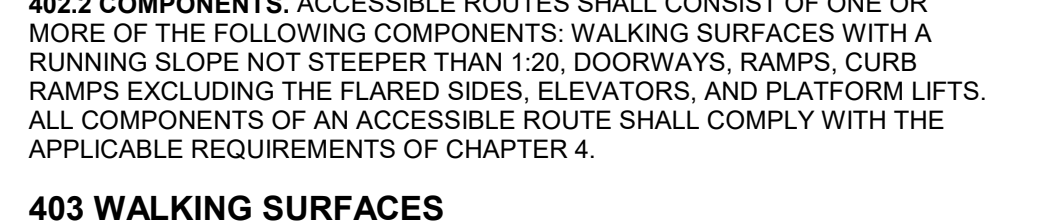
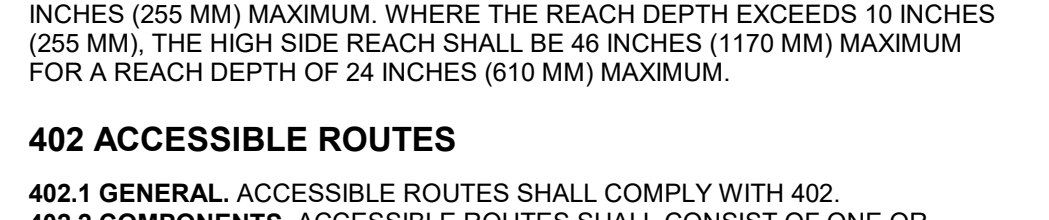
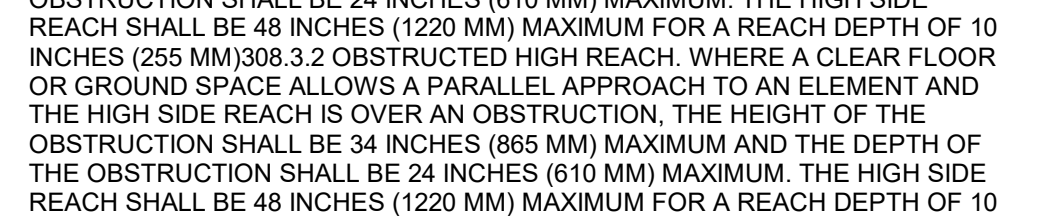
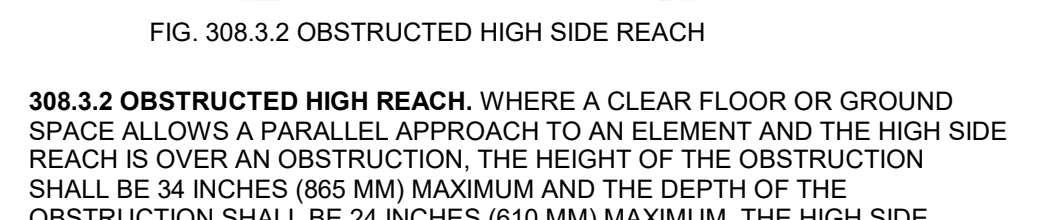
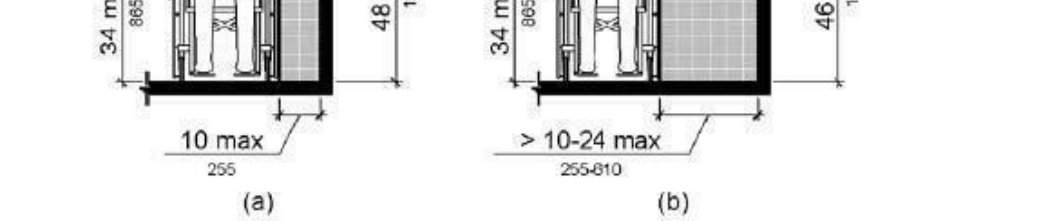
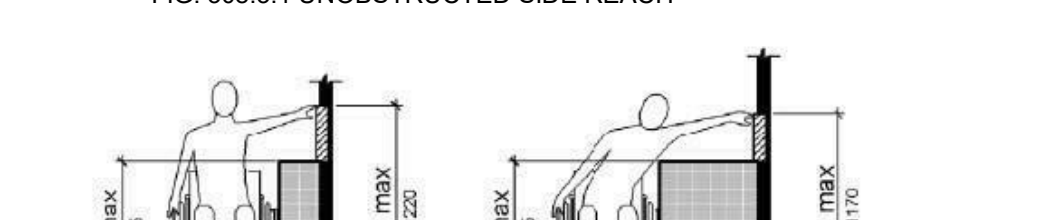
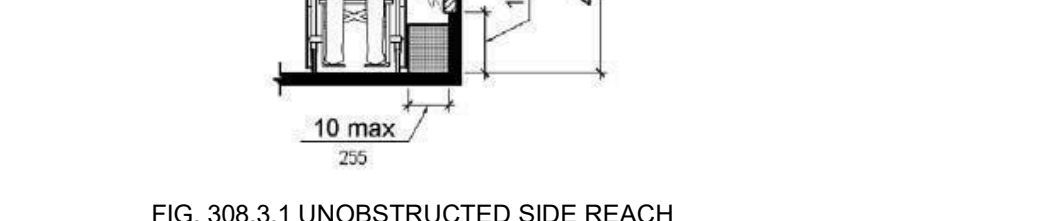
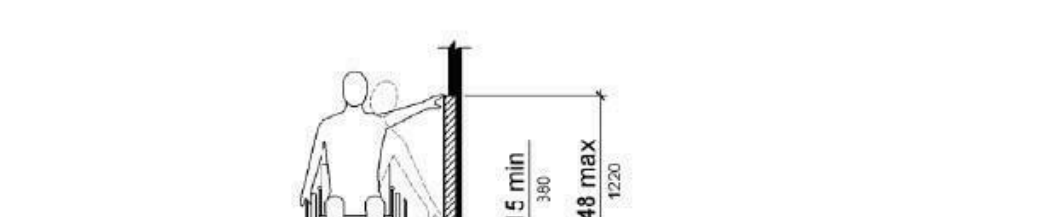
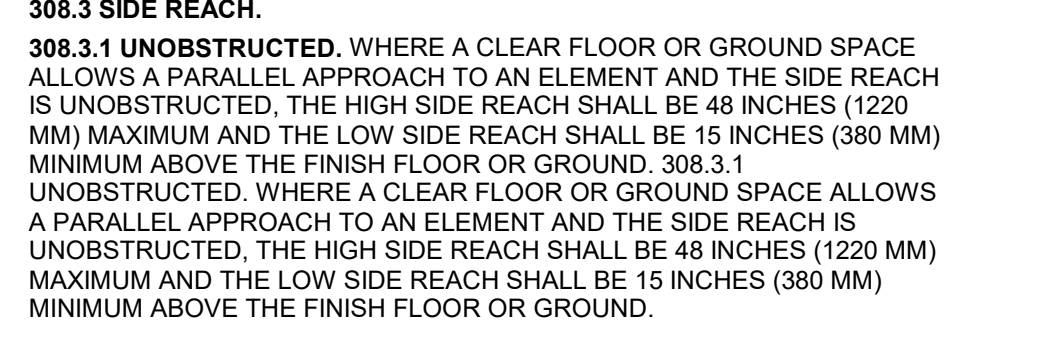
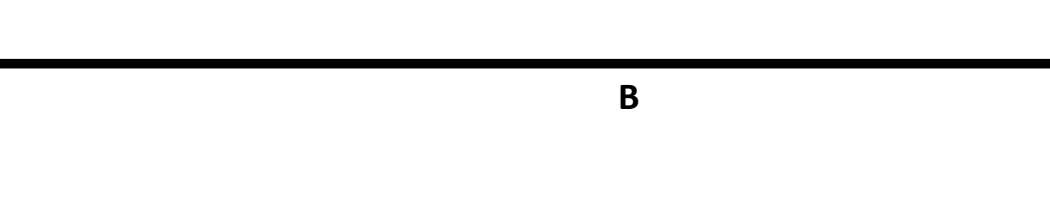
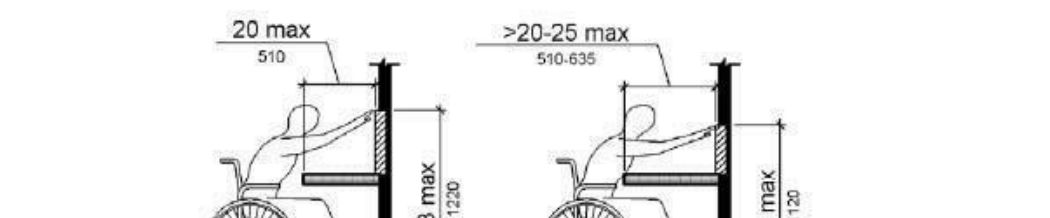
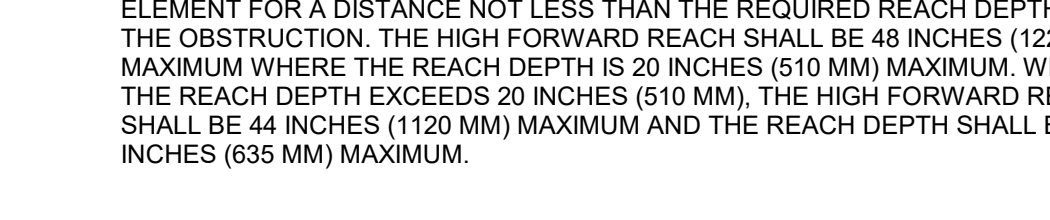
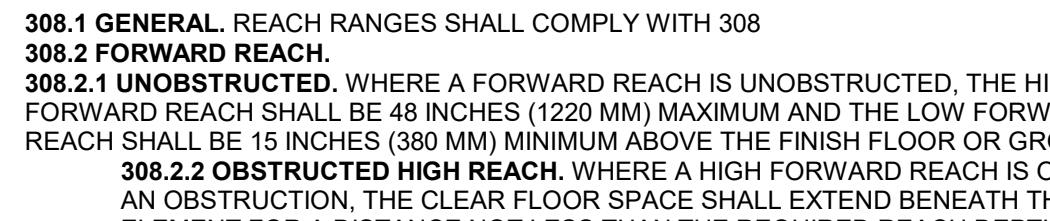
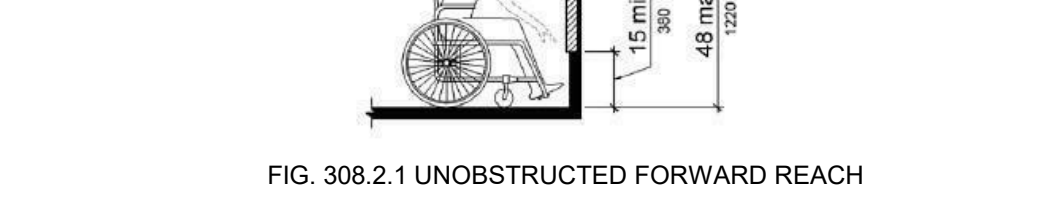
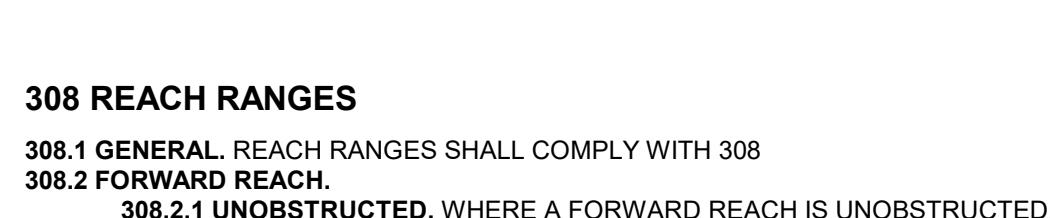
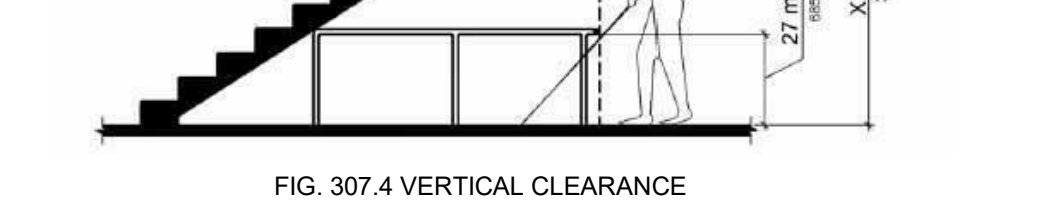
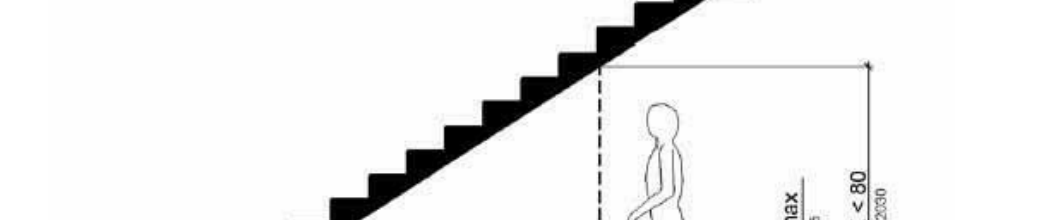
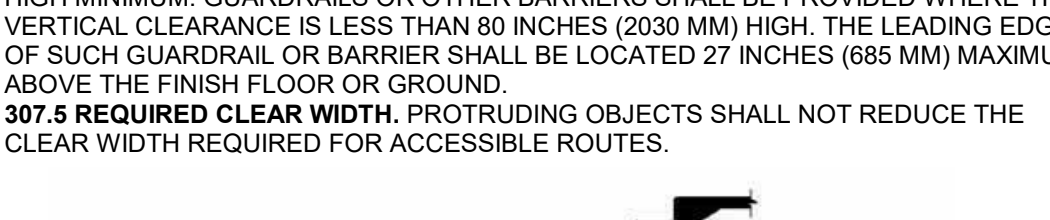
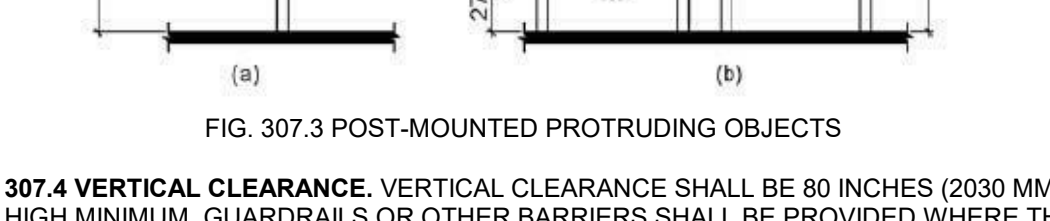
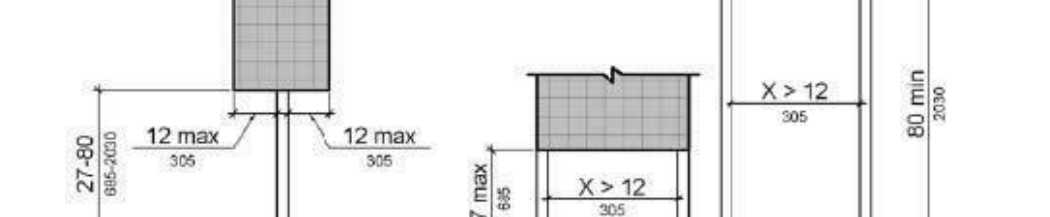
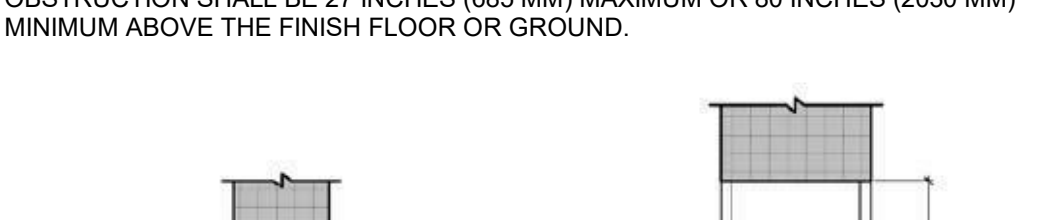
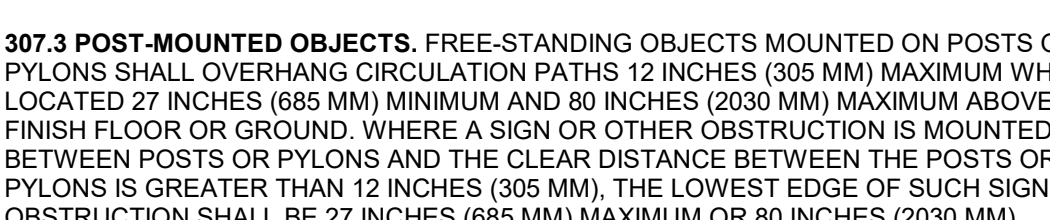
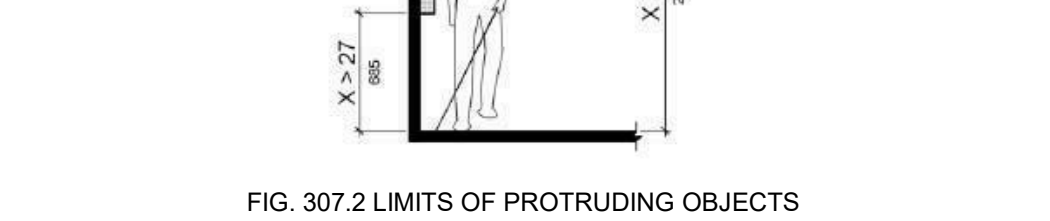
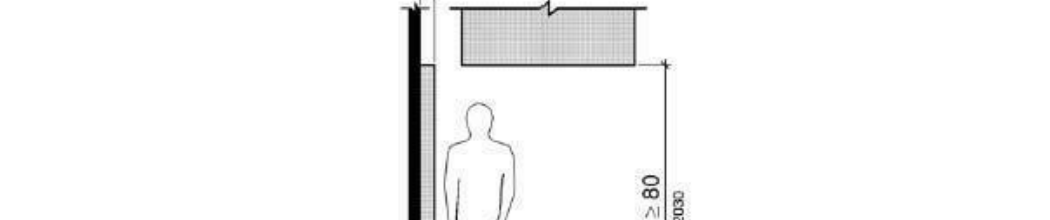
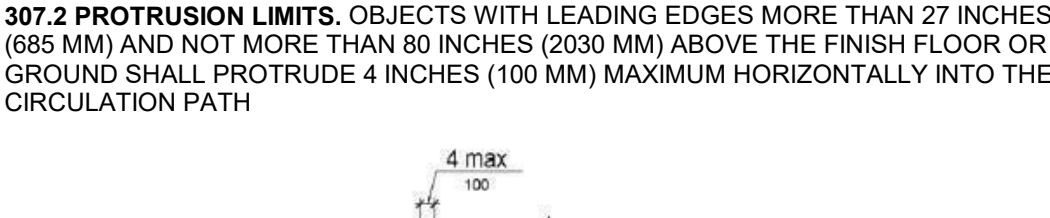
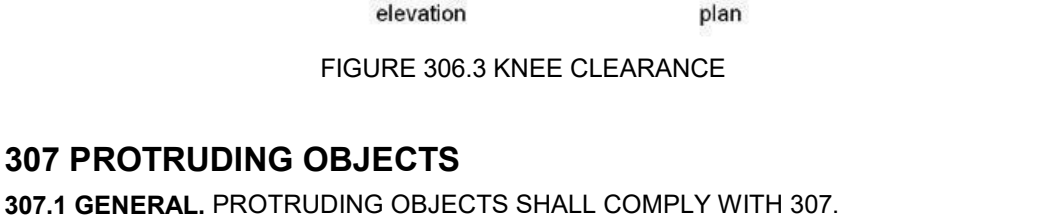
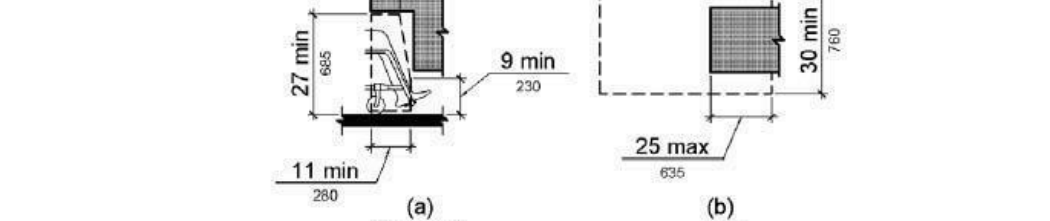
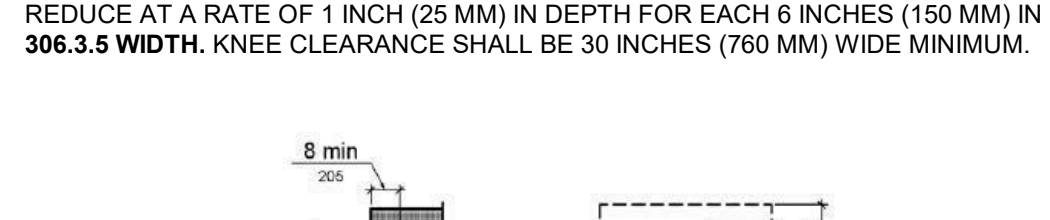
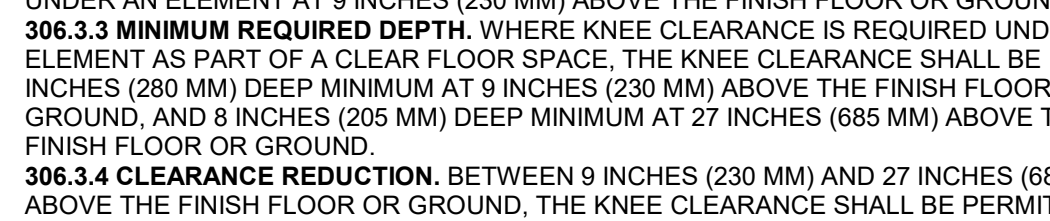
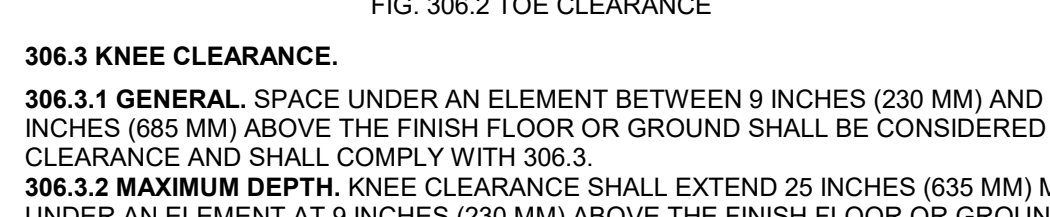
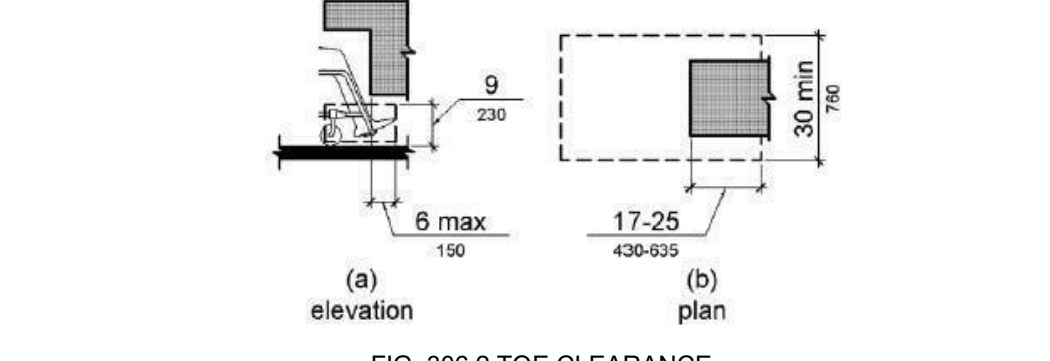
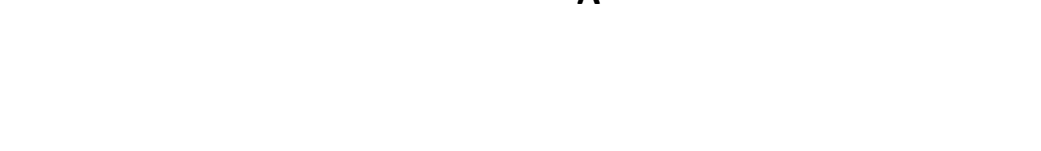
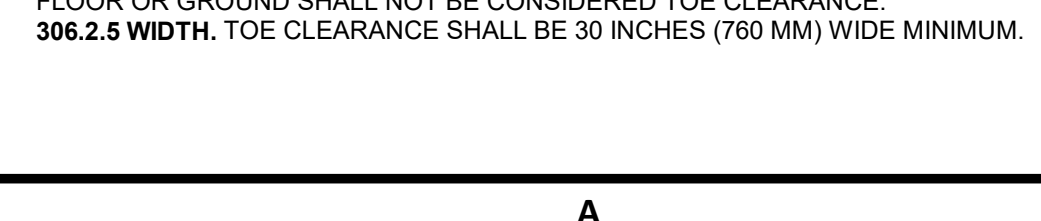
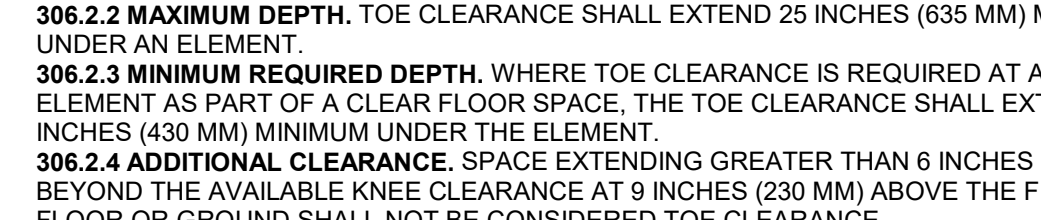
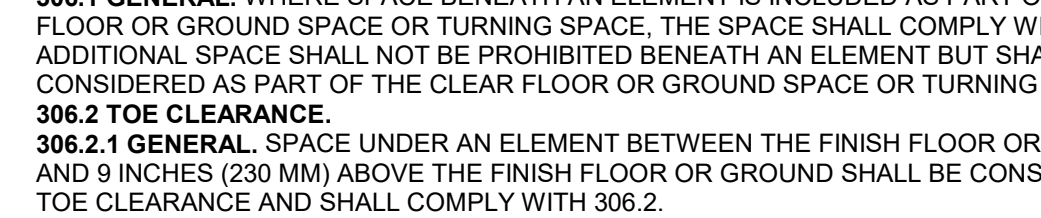
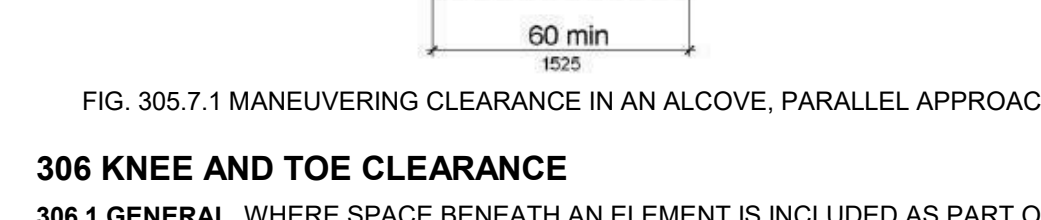
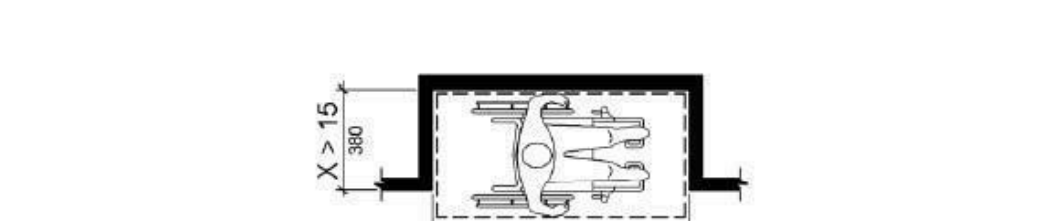
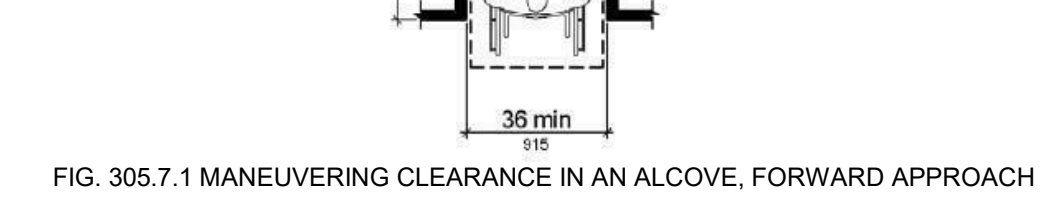
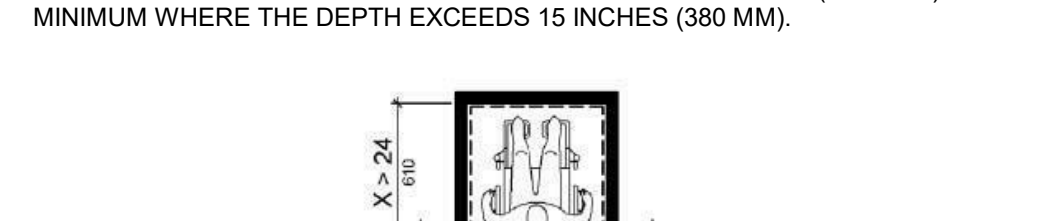
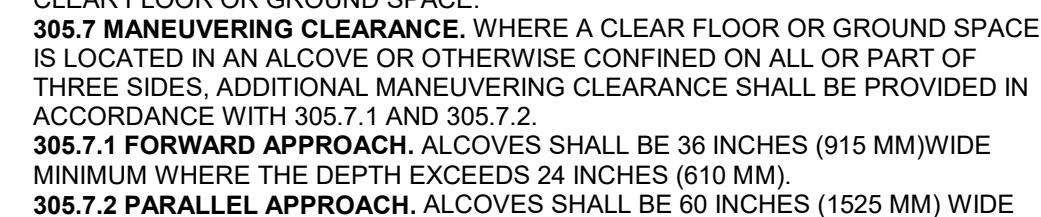
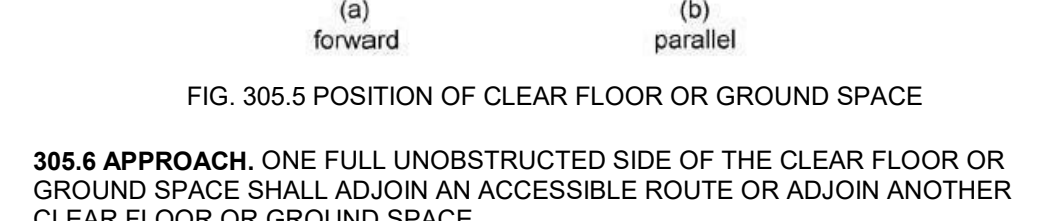
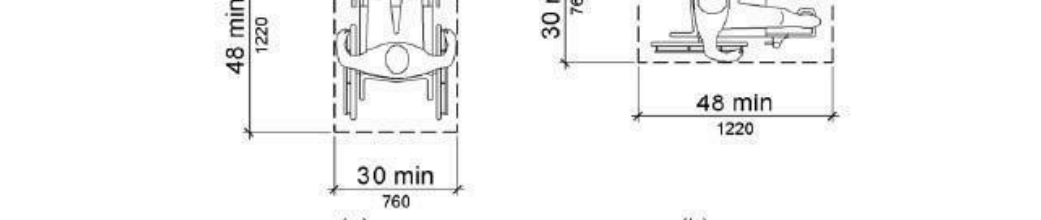
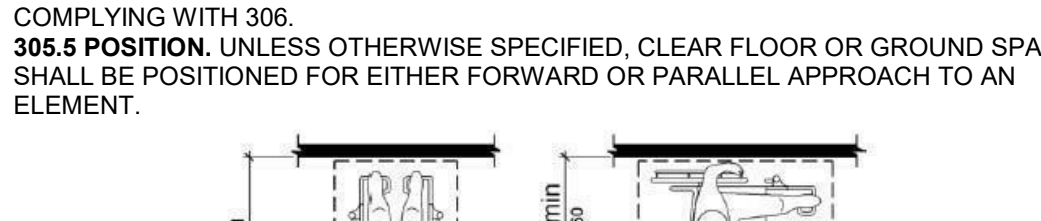
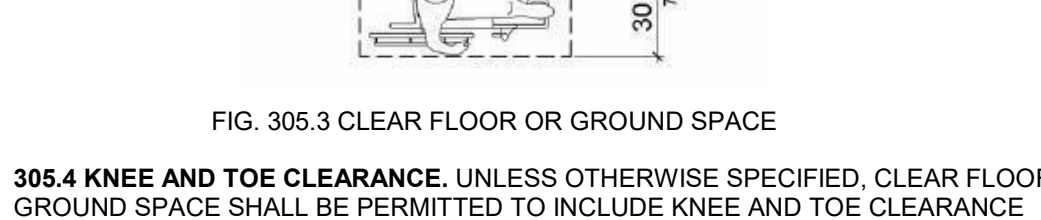
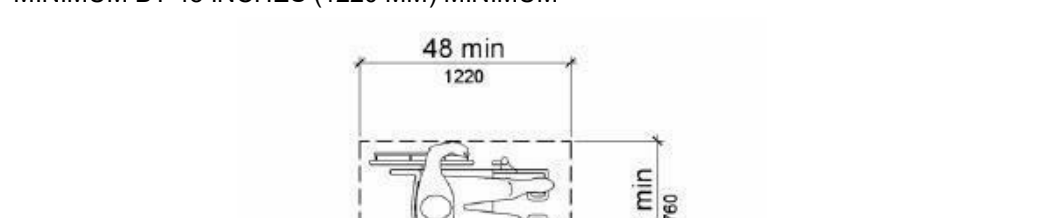
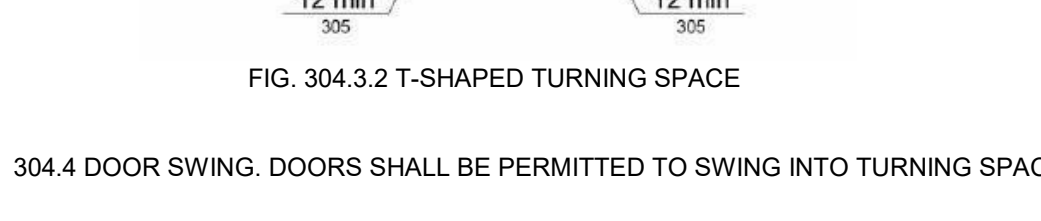
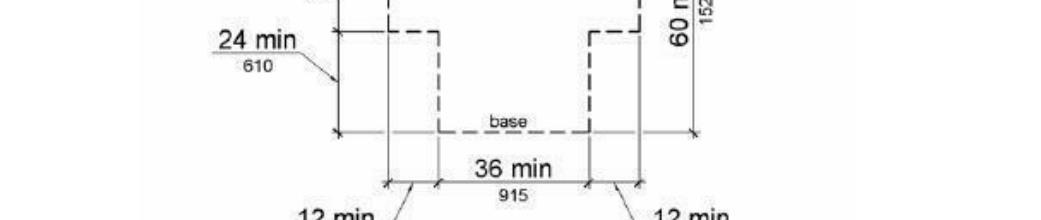
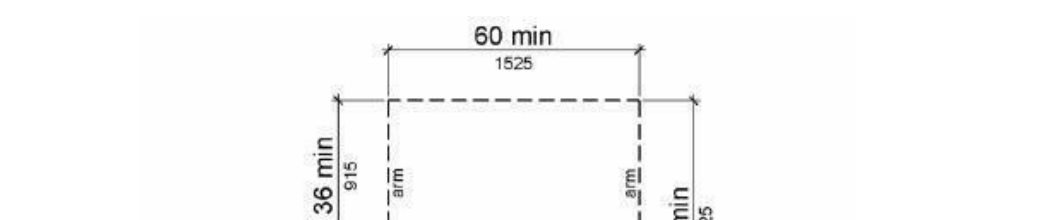
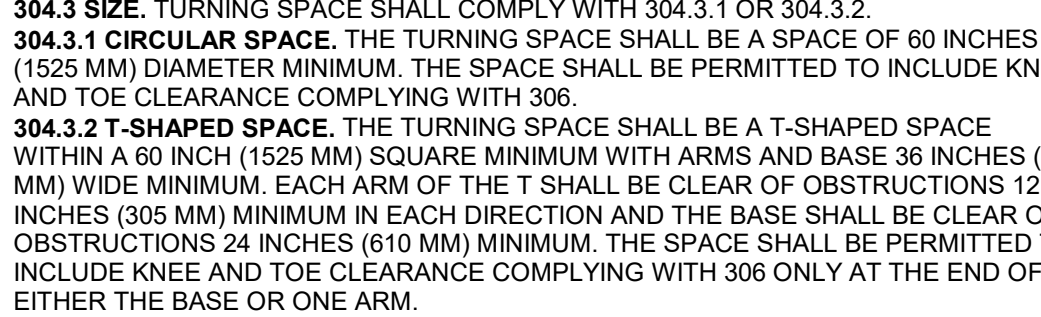
303 CHANGES IN LEVEL

303.1 GENERAL. WHERE CHANGES IN LEVEL ARE PERMITTED IN FLOOR OR GROUND SURFACES, THEY SHALL COMPLY WITH 303.2 THROUGH 303.4.



304 TURNING SPACE

304.1 GENERAL. TURNING SPACE SHALL COMPLY WITH 304.2 THROUGH 304.4.



2800 N Terminal Rd Houston, TX 77032

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Table with 2 columns: C.I.P. No., A.I.P. No. and C.O.H. No., D.O.A. No.

RDLR Architects ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 Houston, TX 77003 713.688.3121 www.rdlr.com



HENDERSON ROGERS structural engineers

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



DESIGNER PROJECT NO.: PROJECT STATUS: IFB

Table with 3 columns: No., DESCRIPTION, DATE, BY

DESIGN BY: GP DRAWN BY: GP/FF/SF/RB

CHECKED BY: DO ISSUE DATE: 03/15/2024

APPROVED BY: DO APPROVAL DATE: 03/15/2024

DIRECTOR of HOUSTON AIRPORT SYSTEM

ISSUED FOR BIDDING

05.15.24

SHEET NAME: TEXAS ACCESSIBILITY GUIDELINES - 1 OF 2

SHEET No. G-004 SCALE: 12" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

**407.4.5 ILLUMINATION.** THE LEVEL OF ILLUMINATION AT THE CAR CONTROLS PLATFORM CAR THRESHOLD AND CAR LANDING SILL SHALL BE 5 FOOT CANDLES (54 LUX) MINIMUM.

**407.4.6 ELEVATOR CAR CONTROLS.** WHERE PROVIDED, ELEVATOR CAR CONTROLS SHALL COMPLY WITH 407.4.5 AND 309.4.

**407.4.6.1 LOCATION.** CONTROLS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308.

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

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

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

**407.4.6.3 KEYPADS.** CAR CONTROL KEYPADS SHALL BE IN A STANDARD TELEPHONE KEYPAD ARRANGEMENT AND SHALL COMPLY WITH 407.4.2.

**407.4.6.4 EMERGENCY CONTROLS.** EMERGENCY CONTROLS SHALL COMPLY WITH 407.4.4.

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

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

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

**407.4.7.1 BUTTONS.** CAR CONTROL BUTTONS SHALL COMPLY WITH 407.4.7.1.

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

**407.4.7.1.2 LOCATION.** RAISED CHARACTERS AND BRAILLE DESIGNATIONS SHALL BE PLACED IMMEDIATELY TO THE LEFT OF THE CONTROL BUTTON TO WHICH THE DESIGNATIONS APPLY.

**407.4.7.1.3 SYMBOLS.** THE CONTROL BUTTON FOR THE EMERGENCY STOP, ALARM, DOOR OPEN, DOOR CLOSE, MAIN ENTRY FLOOR, AND PHONE, SHALL BE IDENTIFIED WITH TACTILE SYMBOLS AS SHOWN IN TABLE 407.4.7.1.3.

**407.4.7.1.4 VISIBLE INDICATORS.** BUTTONS WITH FLOOR DESIGNATIONS SHALL BE PROVIDED WITH VISIBLE INDICATORS TO SHOW THAT A CALL LIFTATORIES OR ELEVATOR IS IN OPERATION. VISIBLE INDICATORS SHALL EXTINGUISH WHEN THE CAR ARRIVES AT THE DESIGNATED FLOOR.

**407.4.7.2 KEYPADS.** KEYPADS SHALL BE IDENTIFIED BY CHARACTERS COMPLYING WITH 703.5 AND BY LINES. WIDE MEASUREMENTS OF PARKING KEYPAD BUTTON. THE NUMBER FIVE KEY SHALL HAVE A SINGLE RAISED DOT. THE DOT SHALL BE 0.119 INCH (3 MM) TO 0.120 INCH (3.05 MM) BASE DIAMETER AND IN OTHER ASPECTS SHALL COMPLY WITH TABLE 703.3.1.

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

**407.4.8.1 VISIBLE INDICATORS.** VISIBLE INDICATORS SHALL COMPLY WITH 407.4.8.1.

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

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

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

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

**407.4.8.2 AUDIBLE INDICATORS.** AUDIBLE INDICATORS SHALL COMPLY WITH 407.4.8.2.

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

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

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

**407.4.9 EMERGENCY COMMUNICATION.** EMERGENCY TWO-WAY COMMUNICATION SYSTEMS SHALL COMPLY WITH 306. TACTILE SYMBOLS AND CHARACTERS SHALL BE PROVIDED ADJACENT TO THE DEVICE AND SHALL COMPLY WITH 703.2.

**502 PARKING SPACES**

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

**502.2 VEHICLE SPACES.** CAR PARKING SPACES SHALL BE 96 INCHES (2440 MM) WIDE MINIMUM AND VAN PARKING SPACES SHALL BE 132 INCHES (3350 MM) WIDE MINIMUM. SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ADJACENT ACCESS AISLE COMPLYING WITH 502.3. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.

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

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

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

**502.3.3 MARKING.** ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.

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

**502.4 FLOOR OR GROUND SURFACES.** PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH 302. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.

**502.5 VERTICAL CLEARANCE.** PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 68 INCHES (2490 MM) MINIMUM.

**502.6 IDENTIFICATION.** PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 703.2.1. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN THE DESIGNATION "VAN ACCESSIBLE." SIGNS SHALL BE 90 INCHES (2285 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

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

**503 PASSENGER LOADING ZONES**

**503.1 GENERAL.** PASSENGER LOADING ZONES SHALL COMPLY WITH 503.

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

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

**503.3.1 WIDTH.** ACCESS AISLES SERVING VEHICULAR PULL-UP SPACES SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM.

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

**503.3.3 MARKING.** ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.

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

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

**504 STAIRWAYS**

**504.1 GENERAL.** STAIRS SHALL COMPLY WITH 504.

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

**504.3 OPEN RISERS.** OPEN RISERS ARE NOT PERMITTED.

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

**504.5 NOSINGS.** THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH (13 MM) MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELLED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 1 1/2 INCHES (38 MM) MAXIMUM OVER THE TREAD BELOW.

**504.6 HANDRAILS.** STAIRS SHALL HAVE HANDRAILS COMPLYING WITH 505.

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

**505 HANDRAILS**

**505.1 GENERAL.** HANDRAILS PROVIDED ALONG WALKING SURFACES COMPLYING WITH 303. REQUIRED AT RAMPS COMPLYING WITH 405. AND REQUIRED AT STAIRS COMPLYING WITH 504 SHALL COMPLY WITH 505.

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

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

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

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

**505.6 GRIPPING SURFACE.** HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS THROUGHOUT THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

**505.7 CROSS SECTION.** HANDRAIL GRIPPING SURFACES SHALL HAVE A CROSS SECTION AS SHOWN IN FIGURE 505.7.2.

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

**505.7.2 NON-CIRCULAR CROSS SECTIONS.** HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES (100 MM) MINIMUM AND 6 1/4 INCHES (160 MM) MAXIMUM. AND A CROSS-SECTION DIMENSION OF 2 1/4 INCHES (57 MM) MAXIMUM 505.7.2 CROSS SECTION. HANDRAIL GRIPPING SURFACES SHALL HAVE A CROSS SECTION COMPLYING WITH 505.7.1 OR 505.7.2.

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

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

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

**505.9 FITTINGS.** HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

**505.10 HANDRAIL EXTENSIONS.** HANDRAIL GRIPPING SURFACES SHALL EXTEND 12 INCHES (305 MM) BEYOND THE END OF THE STAIR FLIGHT OR RAMP RUN.

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

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

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

**602 DRINKING FOUNTAINS**

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

**602.2 CLEAR FLOOR SPACE.** UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED.

**602.3 OPERABLE PARTS.** OPERABLE PARTS SHALL COMPLY WITH 309.

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

**602.5 SPOUT LOCATION.** THE SPOUT SHALL BE LOCATED 15 INCHES (380 MM) MINIMUM FROM THE VERTICAL CENTERLINE OF THE WATER CLOSING. SPOUTS SHALL BE HORIZONTAL TO THE FRONT FACE OF THE UNIT, WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES (75 MM) FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT, WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES (75 MM) AND 5 INCHES (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

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

**603 TOILET & BATHING ROOMS**

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

**603.2 CLEARANCES.** CLEARANCES SHALL COMPLY WITH 603.2.

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

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

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

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

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

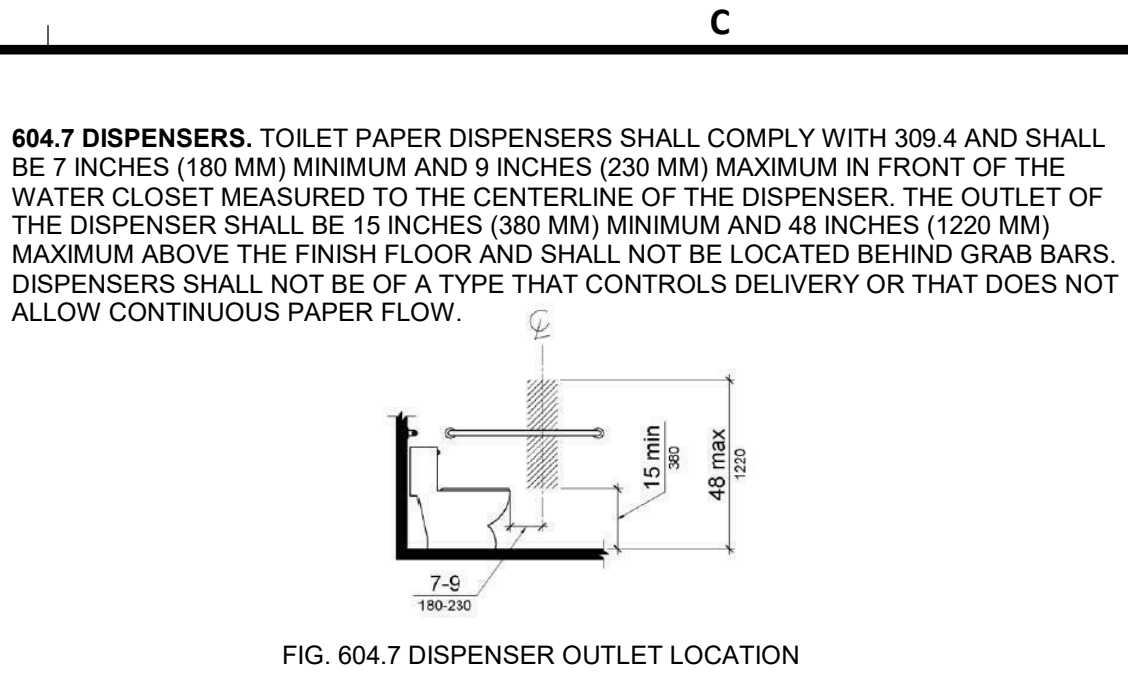
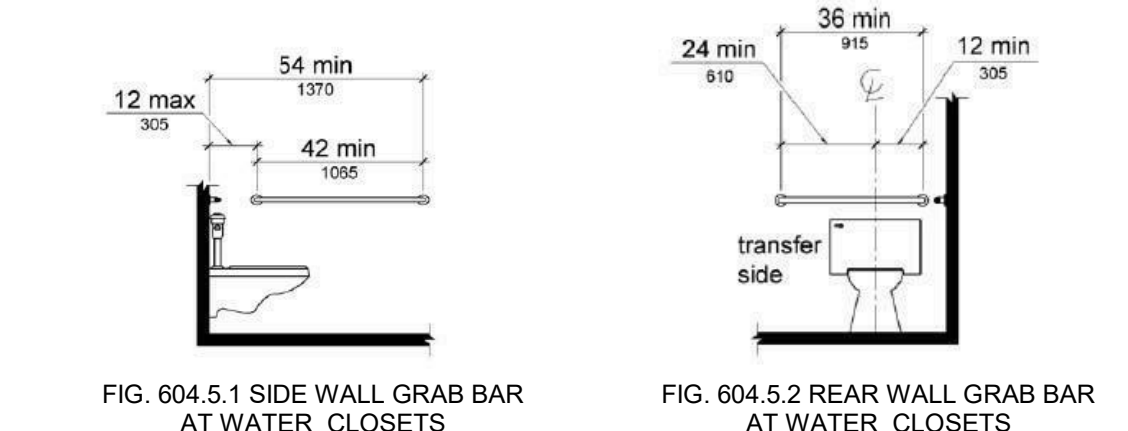
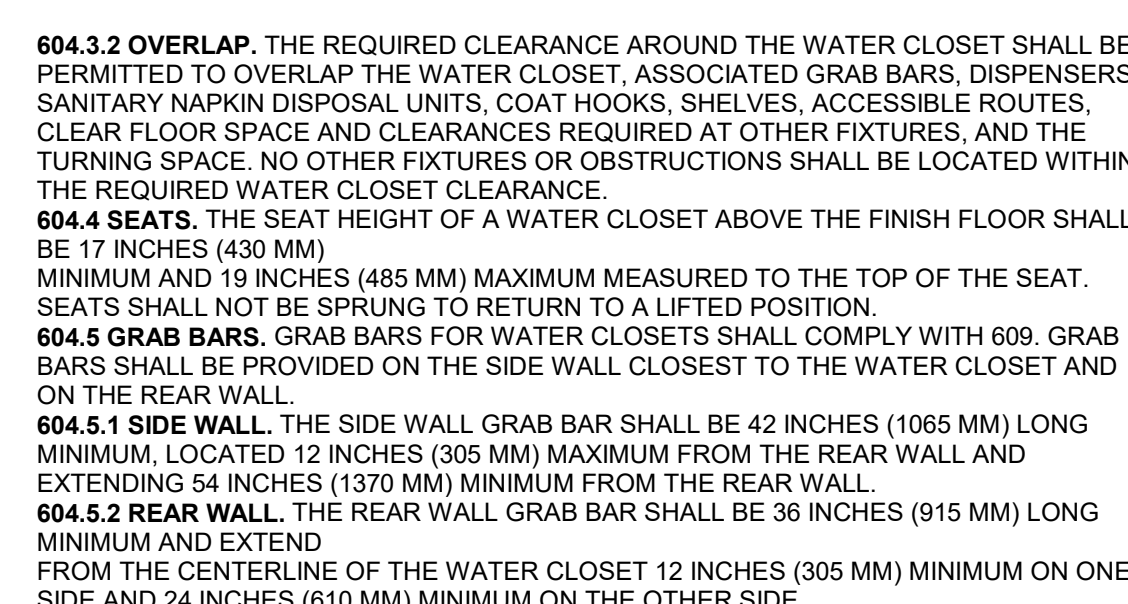
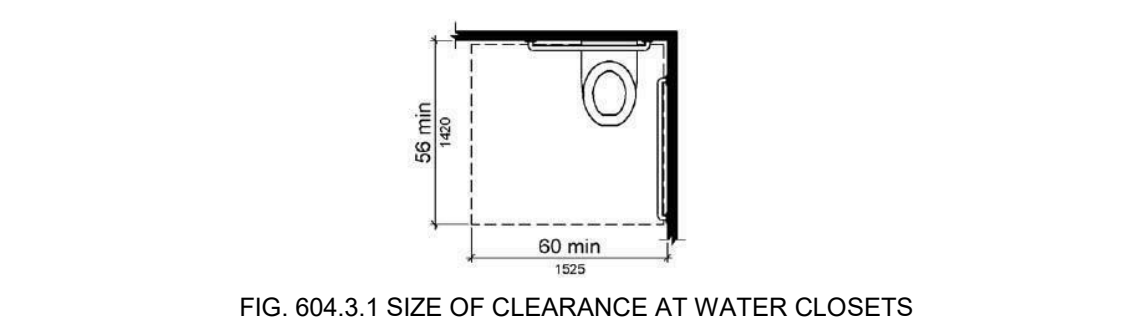
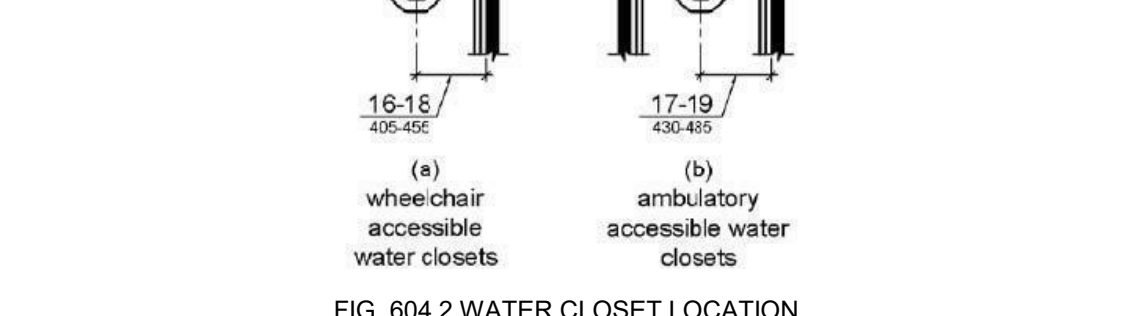
**604 WATER CLOSETS AND TOILET COMPARTMENTS**

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

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

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

**604.3.1 SIZE.** CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES (1525 MM) MINIMUM AND 68 INCHES (1725 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION. MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.



**604.8 TOILET COMPARTMENTS.** WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF 604.8.1 AND 604.8.3 COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH 603. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.2 AND 604.8.3.

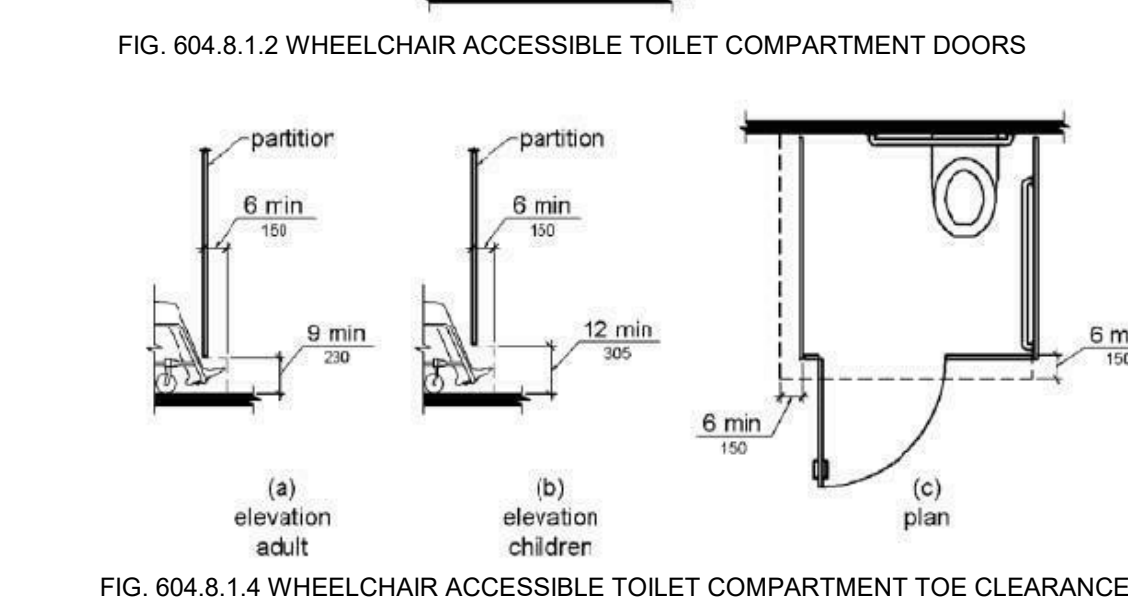
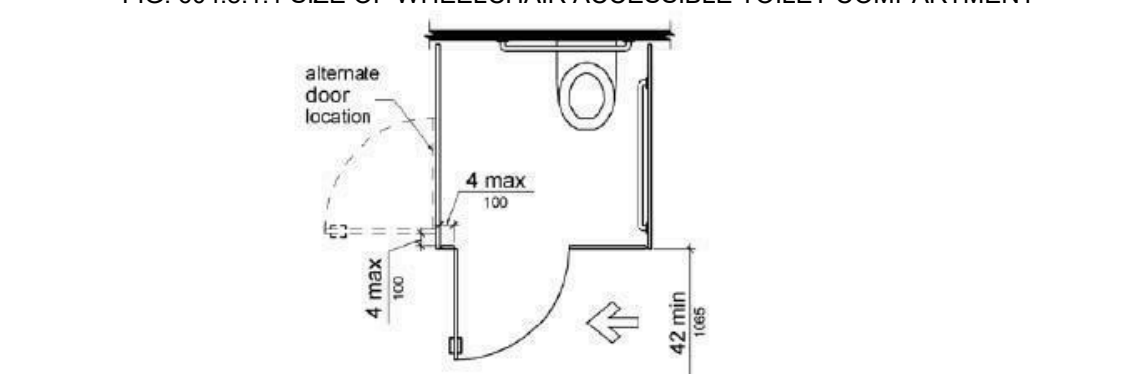
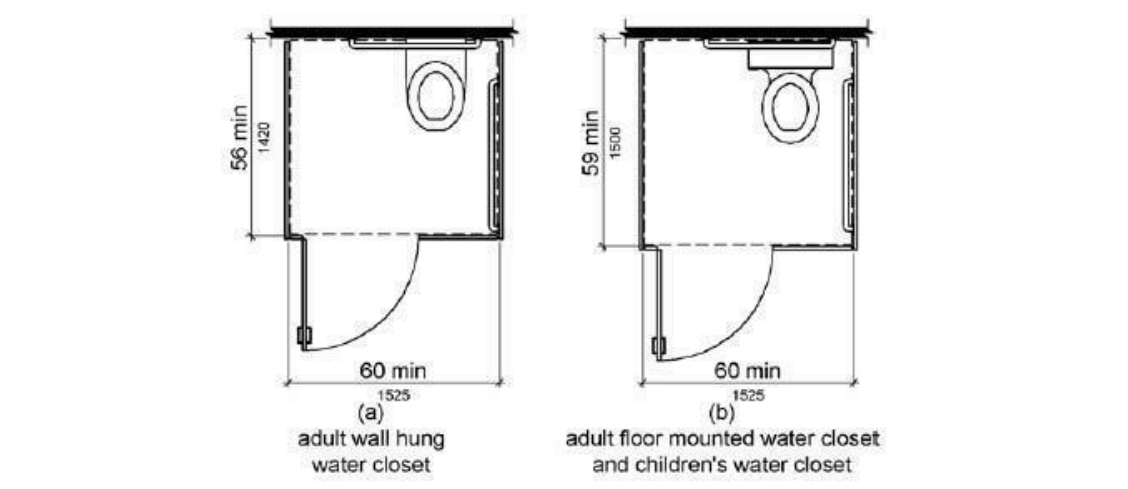
**604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS.** WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.1.

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

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

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

**604.8.1.4 TOE CLEARANCE.** THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES (230 MM) MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES (150 MM) DEEP MINIMUM BEYOND THE COMPARTMENT SIDE FACE OF THE PARTITION, EXCEPT FOR PARTITIONS SUPPORT MEMBERS. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES (305 MM) MINIMUM ABOVE THE FINISH FLOOR.



Water Closet	Ages 3 and 4 12 inches (305 mm)	Ages 5 through 12 12 to 15 inches (305 to 380 mm)	Ages 9 through 12 15 to 17 inches (380 to 425 mm)
Centerline	12 inches (305 mm)	12 to 15 inches (305 to 380 mm)	15 to 17 inches (380 to 425 mm)
Toilet Seat Height	11 to 12 inches (280 to 305 mm)	12 to 15 inches (305 to 380 mm)	15 to 17 inches (380 to 425 mm)
Grab Bar Height	18 to 20 inches (455 to 508 mm)	20 to 25 inches (510 to 635 mm)	25 to 27 inches (635 to 688 mm)
Dispenser Height	14 inches (355 mm)	17 to 19 inches (355 to 480 mm)	17 to 19 inches (355 to 480 mm)

**604.8.1.5 GRAB BARS.** GRAB BARS SHALL COMPLY WITH 609. A SIDE-WALL GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED AND SHALL BE LOCATED ON THE WALL CLOSEST TO THE WATER CLOSET. IN ADDITION, A REAR-WALL GRAB BAR COMPLYING WITH 604.5.2 SHALL BE PROVIDED ON THE REAR WALL.

**604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS.** AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.2.

**604.8.2.1 SIZE.** AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A DEPTH OF 60 INCHES (1525 MM) MINIMUM AND A WIDTH OF 35 INCHES (890 MM) MINIMUM AND 37 INCHES (940 MM) MAXIMUM.

**604.8.2.2 DOORS.** TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES (1065 MM) MINIMUM. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

**604.8.2.3 GRAB BARS.** GRAB BARS SHALL COMPLY WITH 609. A SIDE-WALL GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED ON BOTH SIDES OF THE WATER CLOSET.

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

**604.9 WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE.** WATER THAT IS CLEAR FLOOR SPACE OF 18 INCHES (455 MM) MINIMUM BY 18 INCHES (455 MM) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWINGS BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN.

**604.9.1 LOCATION.** THE WATER CLOSET SHALL BE LOCATED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 12 INCHES (305 MM) MINIMUM AND 18 INCHES (455 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2. COMPARTMENTS SHALL BE ARRANGED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

**604.9.2 CLEARANCE.** CLEARANCE AROUND A WATER CLOSET SHALL COMPLY WITH 604.3.

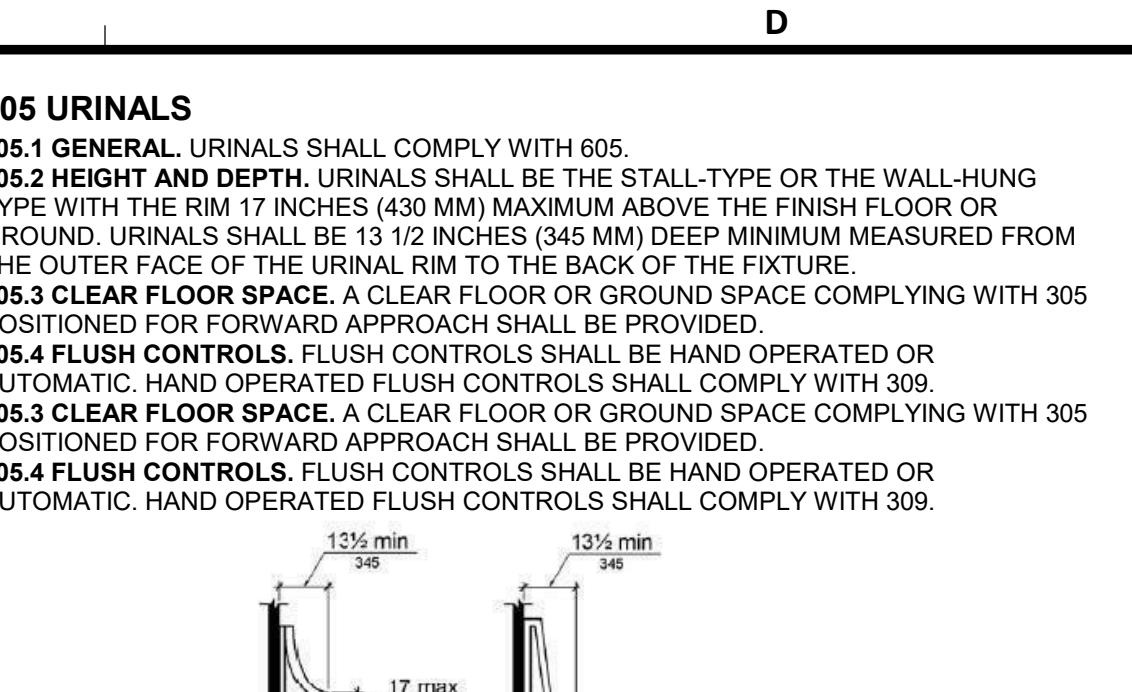
**604.9.3 HEIGHT.** THE HEIGHT OF WATER CLOSETS SHALL BE 11 INCHES (280 MM) MINIMUM AND 17 INCHES (430 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

**604.9.4 GRAB BARS.** GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 604.5.

**604.9.5 FLUSH CONTROLS.** FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309.2 AND 309.4 AND SHALL BE INSTALLED 36 INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.8.2.

**604.9.6 DISPENSERS.** TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 12 INCHES (305 MM) MINIMUM AND 9 INCHES (230 MM) MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 14 INCHES (355 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM ABOVE THE FINISH FLOOR. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

**604.9.7 TOILET COMPARTMENTS.** TOILET COMPARTMENTS SHALL COMPLY WITH 604.8.



**606 LAVATORIES AND SINKS**

**606.1 GENERAL.** LAVATORIES AND SINKS SHALL COMPLY WITH 606.

**606.2 CLEAR FLOOR SPACE.** CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH. AND KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED.

**606.3 HEIGHT.** LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES (865 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

**606.4 FAUCET CONTROLS.** FAUCETS SHALL COMPLY WITH 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

**606.5 EXPOSED PIPES AND SURFACES.** WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE PROTECTED FROM CONTACT. PIPES SHALL BE PROTECTED AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

**609 GRAB BARS**

**609.1 GENERAL.** GRAB BARS IN TOILET FACILITIES AND BATHING FACILITIES SHALL COMPLY WITH 609.

**609.2 CROSS SECTION.** GRAB BARS SHALL HAVE A CROSS SECTION COMPLYING WITH 609.2.1 OR 609.2.2.

**609.2.1 CIRCULAR CROSS SECTION.** GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES (32 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM.

**609.2.2 NON-CIRCULAR CROSS SECTION.** GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS-SECTION DIMENSION OF 2 INCHES (51 MM) MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES (100 MM) MINIMUM AND 4 INCHES (120 MM) MAXIMUM.

**609.3 SPACING.** THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES (38 MM), THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES (38 MM) MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES (305 MM) MINIMUM.

**609.4 POSITION OF GRAB BARS.** GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES (840 MM) MINIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE, EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE COMPLYING WITH 604.9, GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION 18 INCHES (455 MM) MINIMUM AND 27 INCHES (685 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE HEIGHT OF THE LOWER GRAB BAR ON THE BACK WALL OF A BATHING FACILITY SHALL COMPLY WITH 603. OR 607.4.2.

**609.5 SURFACE HAZARDS.** GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND HAVE ROUNDED EDGES.

**609.6 FITTINGS.** GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

**609.7 INSTALLATION.** GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE AT THE SPECIFIED LOCATIONS AND THAT DOES NOT OBSTRUCT THE REQUIRED CLEAR FLOOR SPACE.

**609.8 STRUCTURAL STRENGTH.** ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE GRAB BAR. FASTENERS, MOUNTING DEVICE, OR SUPPORT STRUCTURE.

**702 FIRE ALARM SYSTEMS**

**702.1 GENERAL.** FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE. SEE "REFERENCED STANDARDS" IN CHAPTER 1), SUCH THAT THE MAXIMUM SOUND PRESSURE LEVEL (SPL) AT THE EAR OF HEARING APPLIANCES COMPLYING WITH SECTION 4.3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, THE SYSTEM SHALL BE DESIGNED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4.3 AND 4.4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION).

**703 SIGNS**

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

**703.2 RAISED CHARACTERS.** RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND BE LOCATED IN BRILLE COMPLYING WITH 303.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4.

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

**703.2.2 CASE.** CHARACTERS SHALL BE UPPERCASE.

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

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

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

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

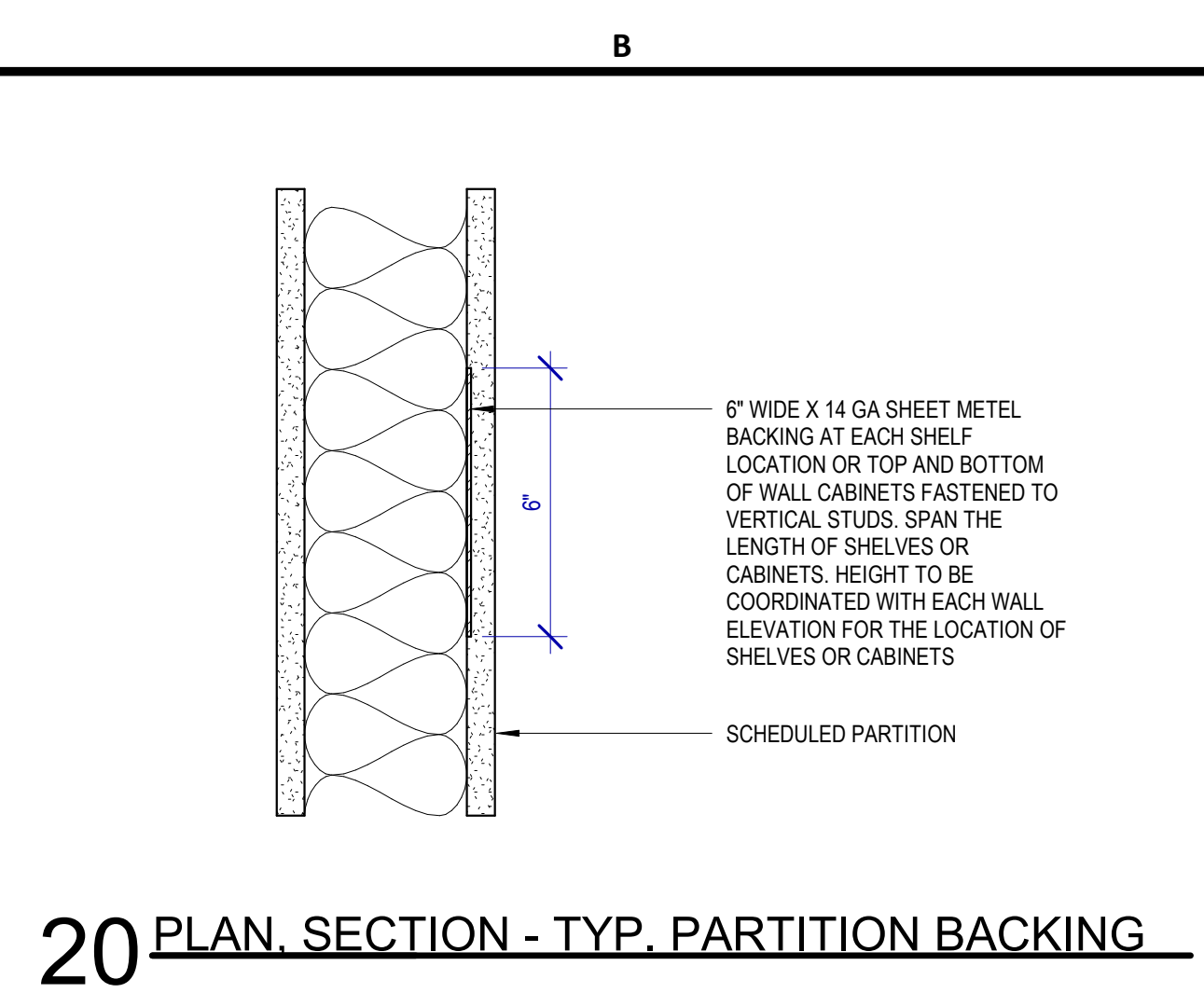
**703.2.7 CHARACTER SPACING.** CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, CHARACTER SPACING SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOPS OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH (9.5 MM) MINIMUM.

**703.2.8 LINE SPACING.** SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

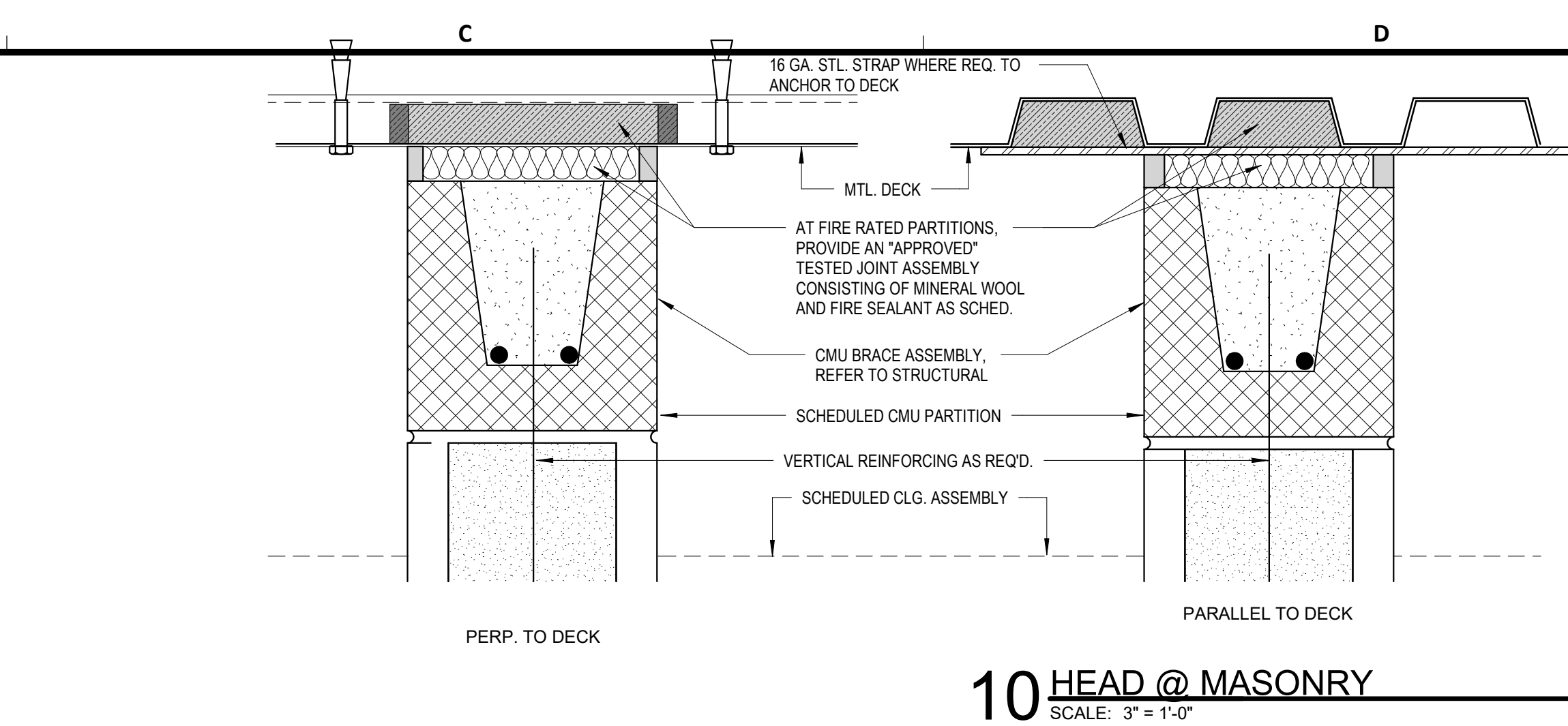
**703.3 BRILLE.** BR



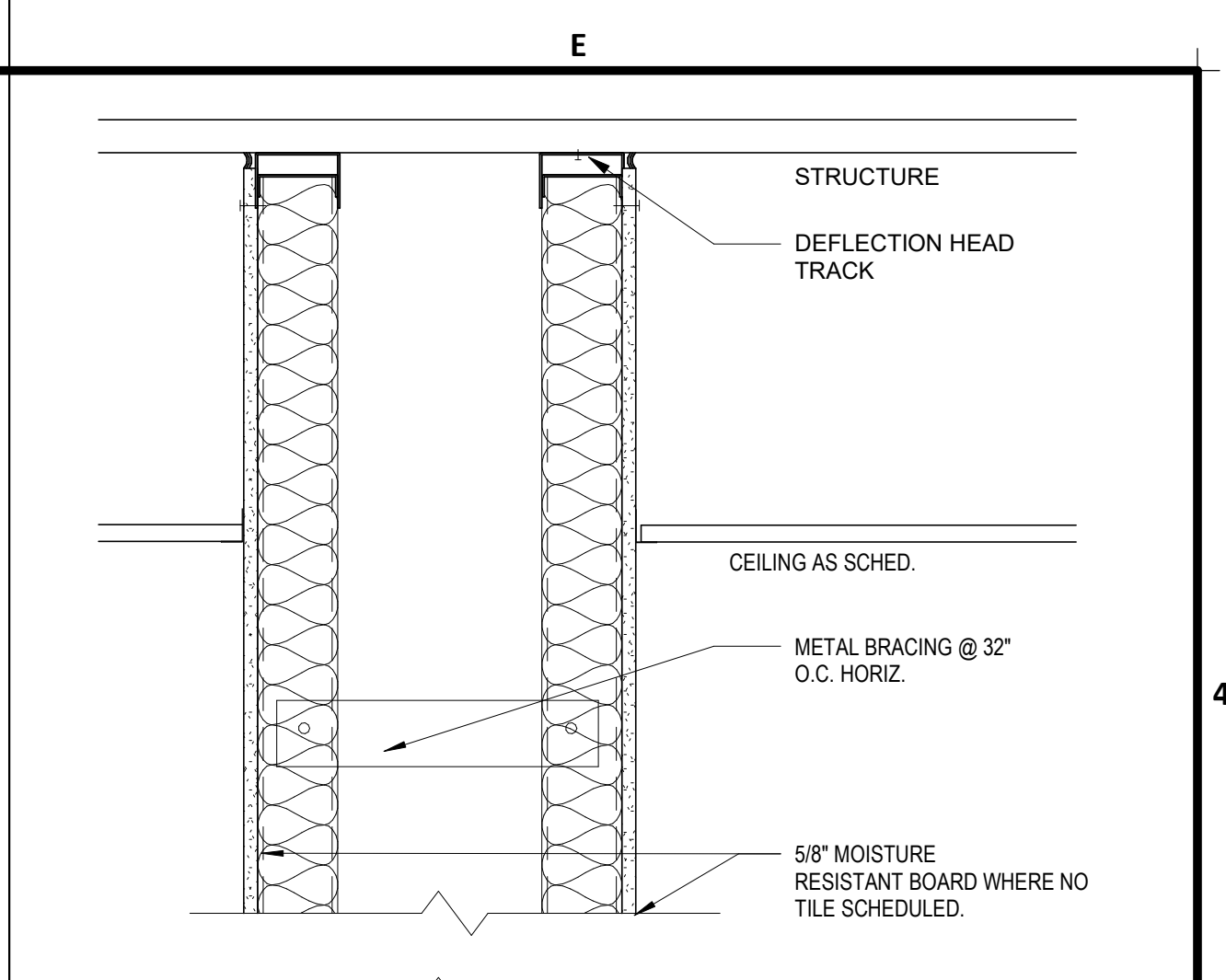
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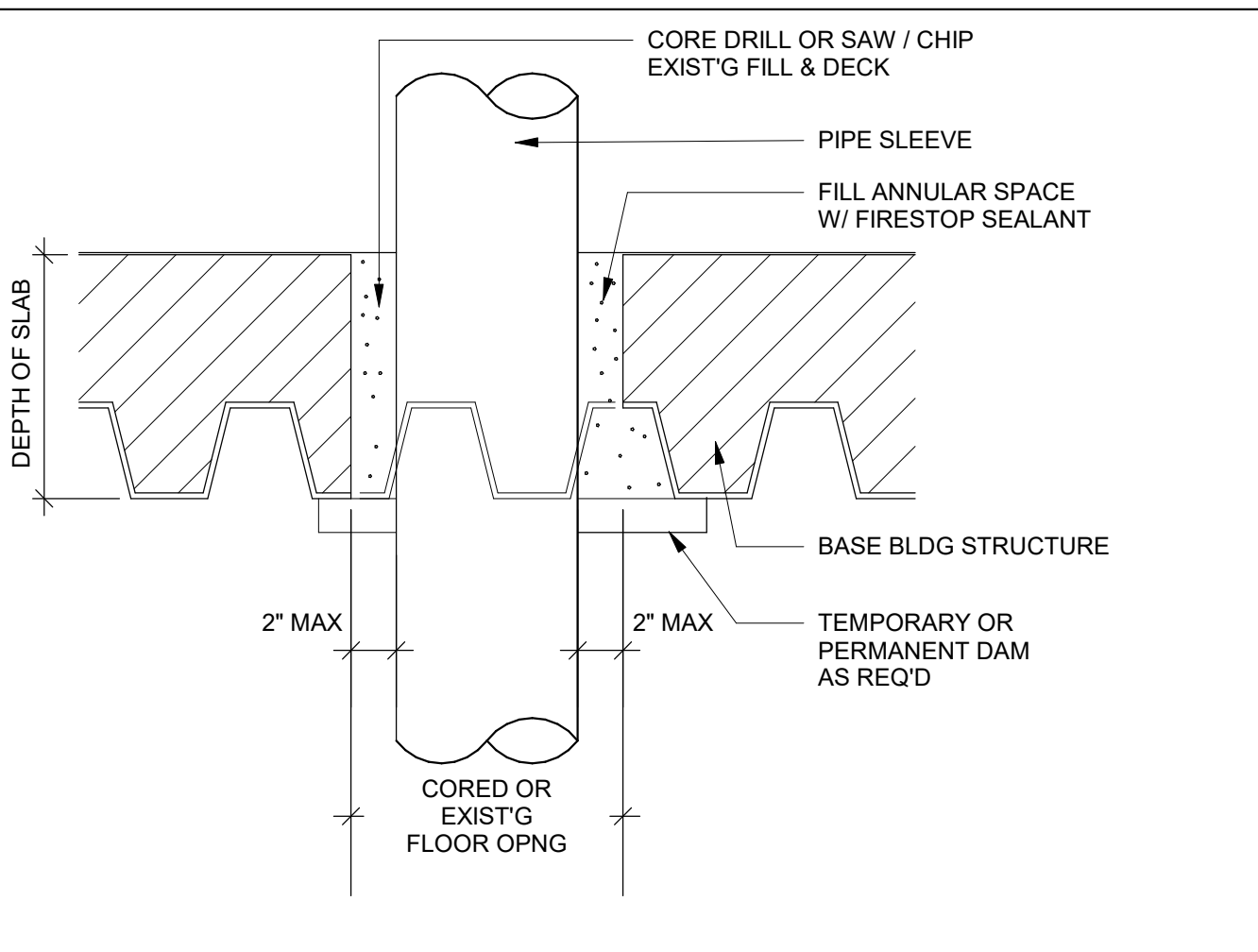
20 PLAN SECTION - TYP. PARTITION BACKING



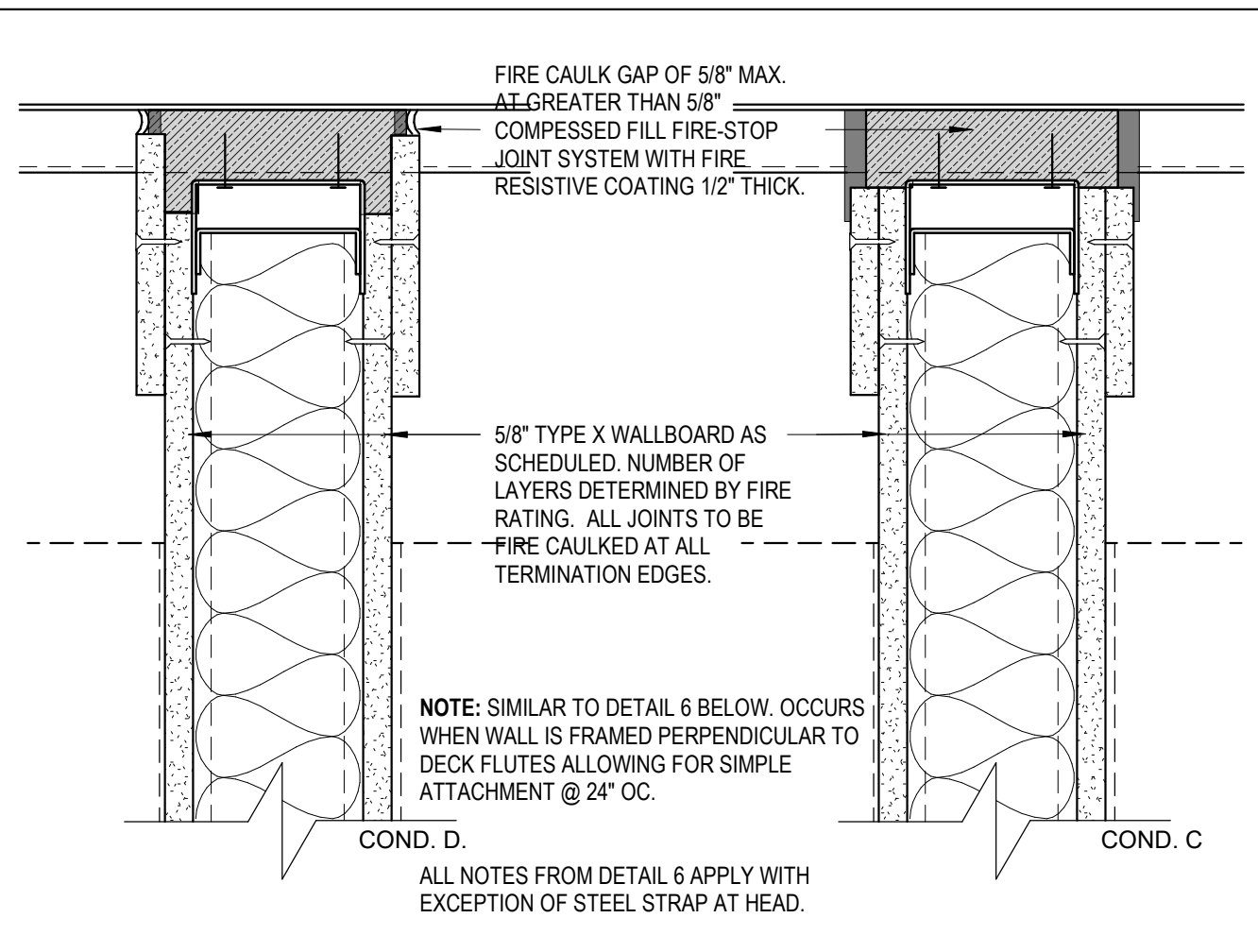
10 HEAD @ MASONRY  
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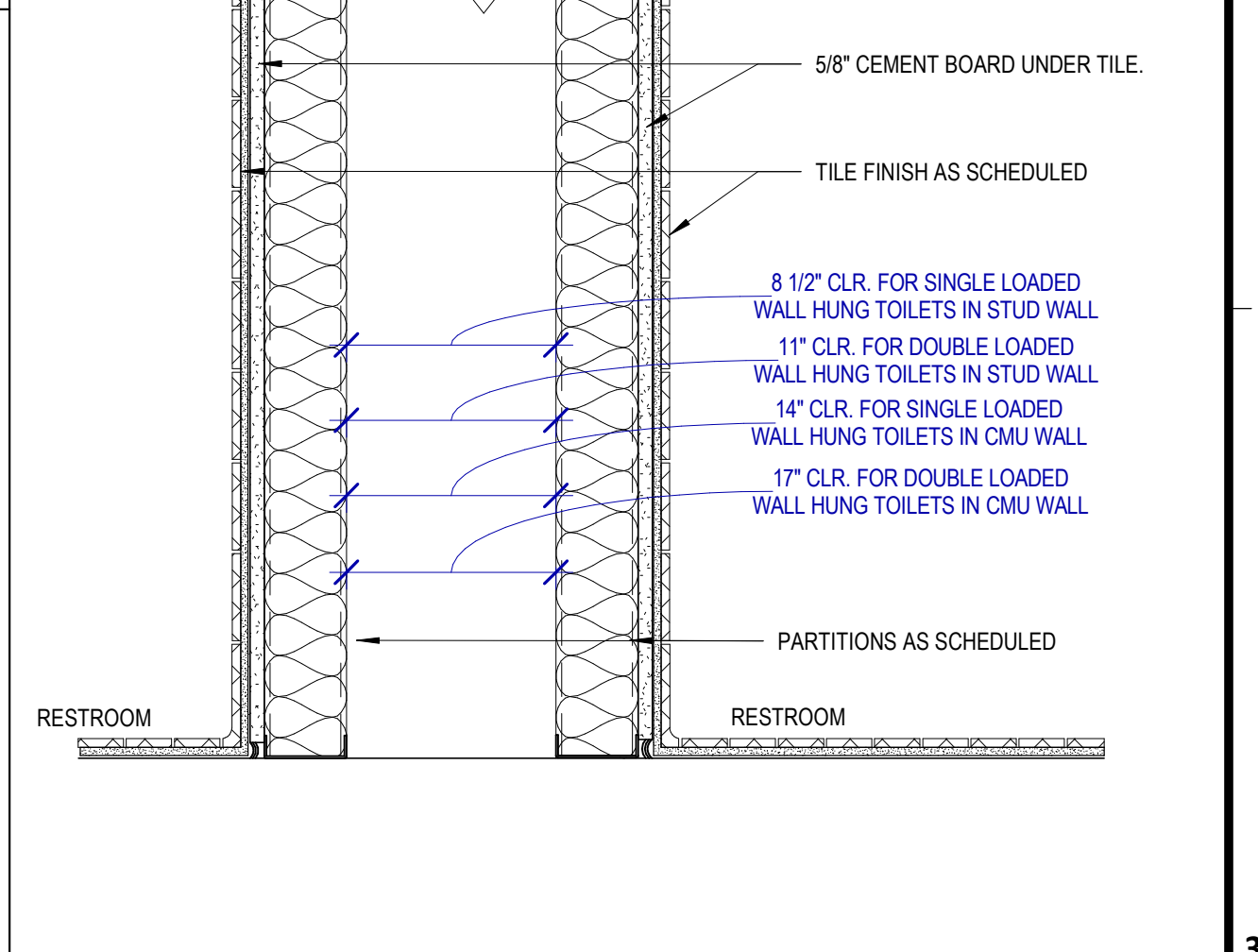
4 TYPICAL PLUMBING CHASE DETAIL  
 SCALE: 1 1/2" = 1'-0"



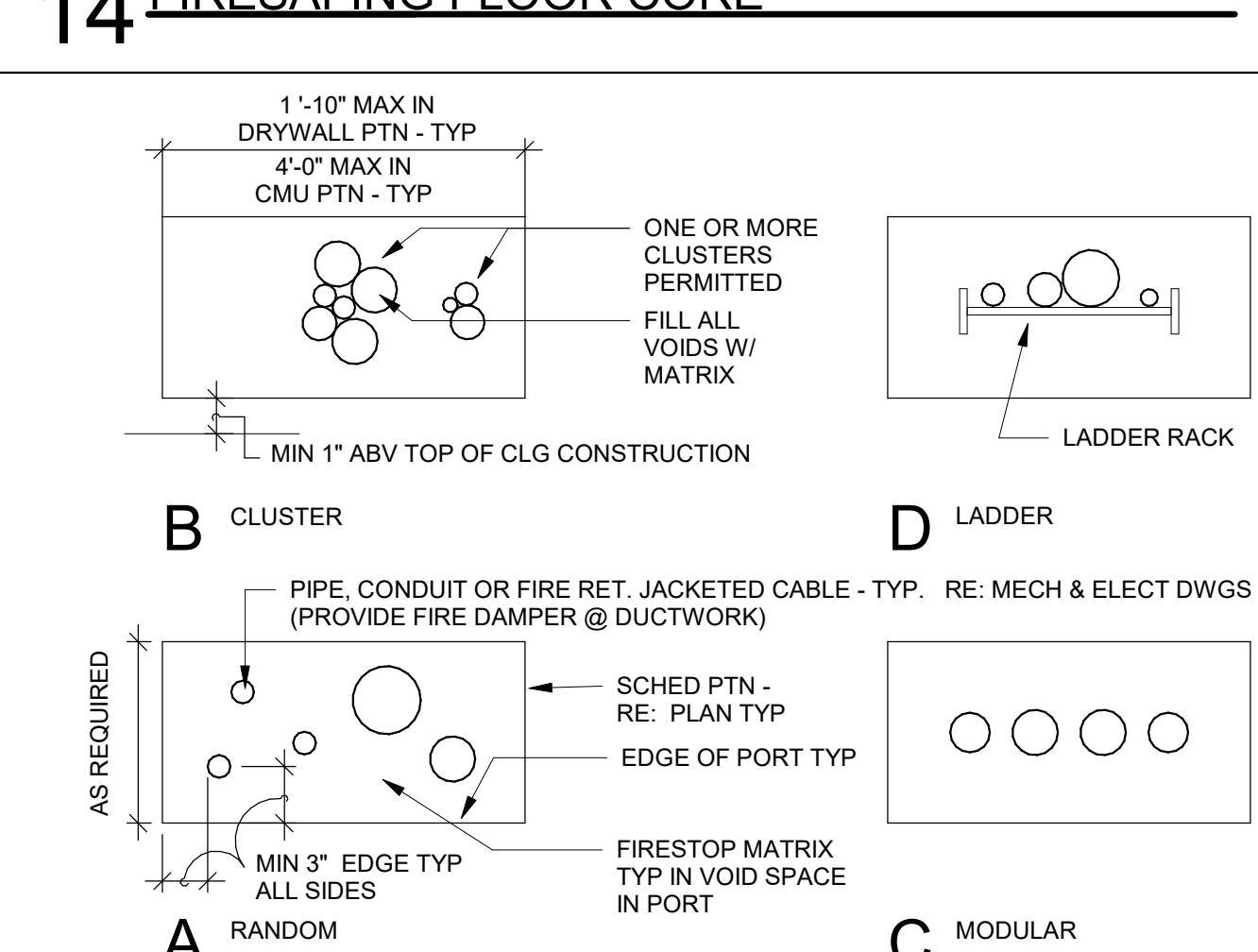
14 FIRESAFING FLOOR CORE



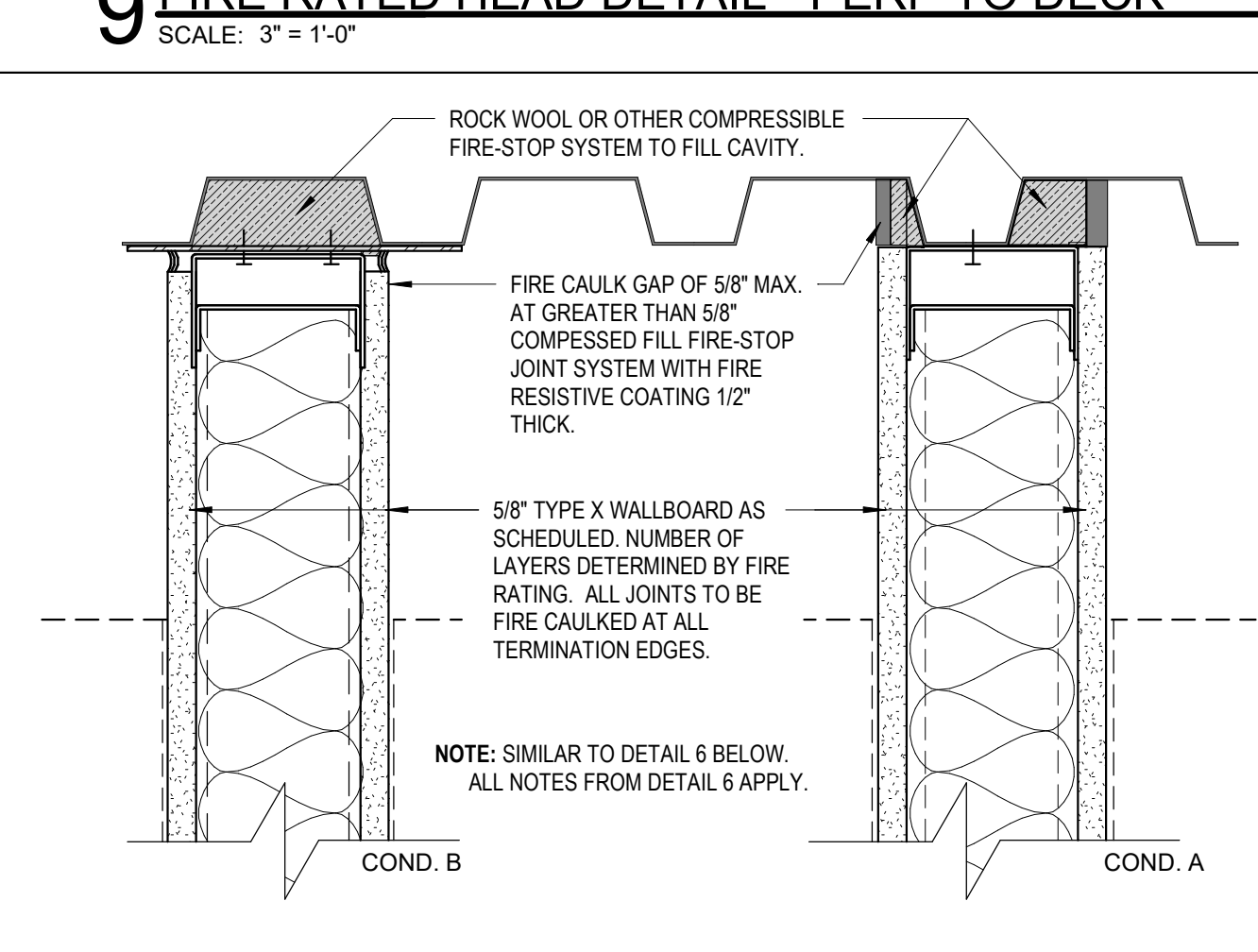
9 FIRE RATED HEAD DETAIL - PERP TO DECK  
 SCALE: 3" = 1'-0"



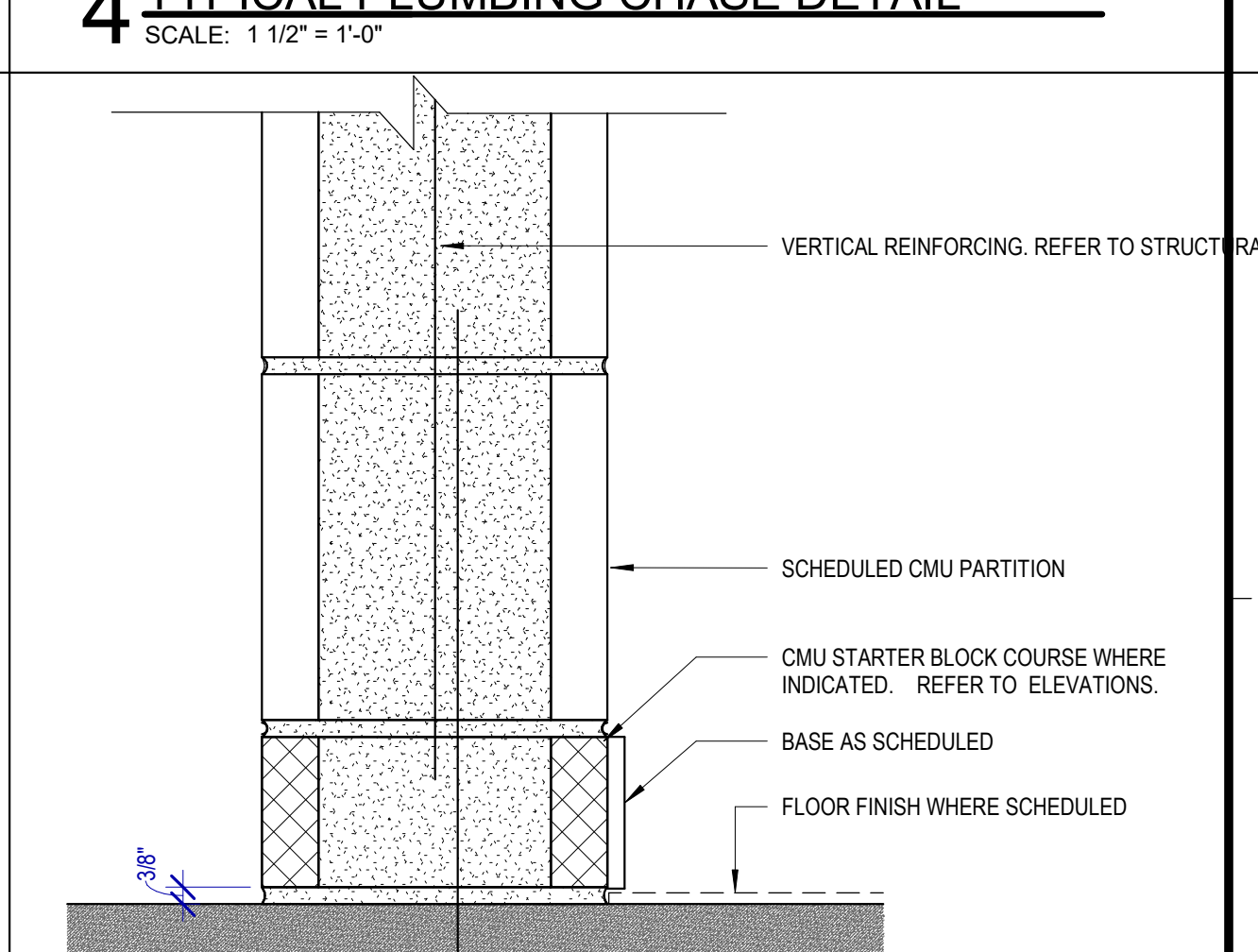
3 BASE @ MASONRY  
 SCALE: 3" = 1'-0"



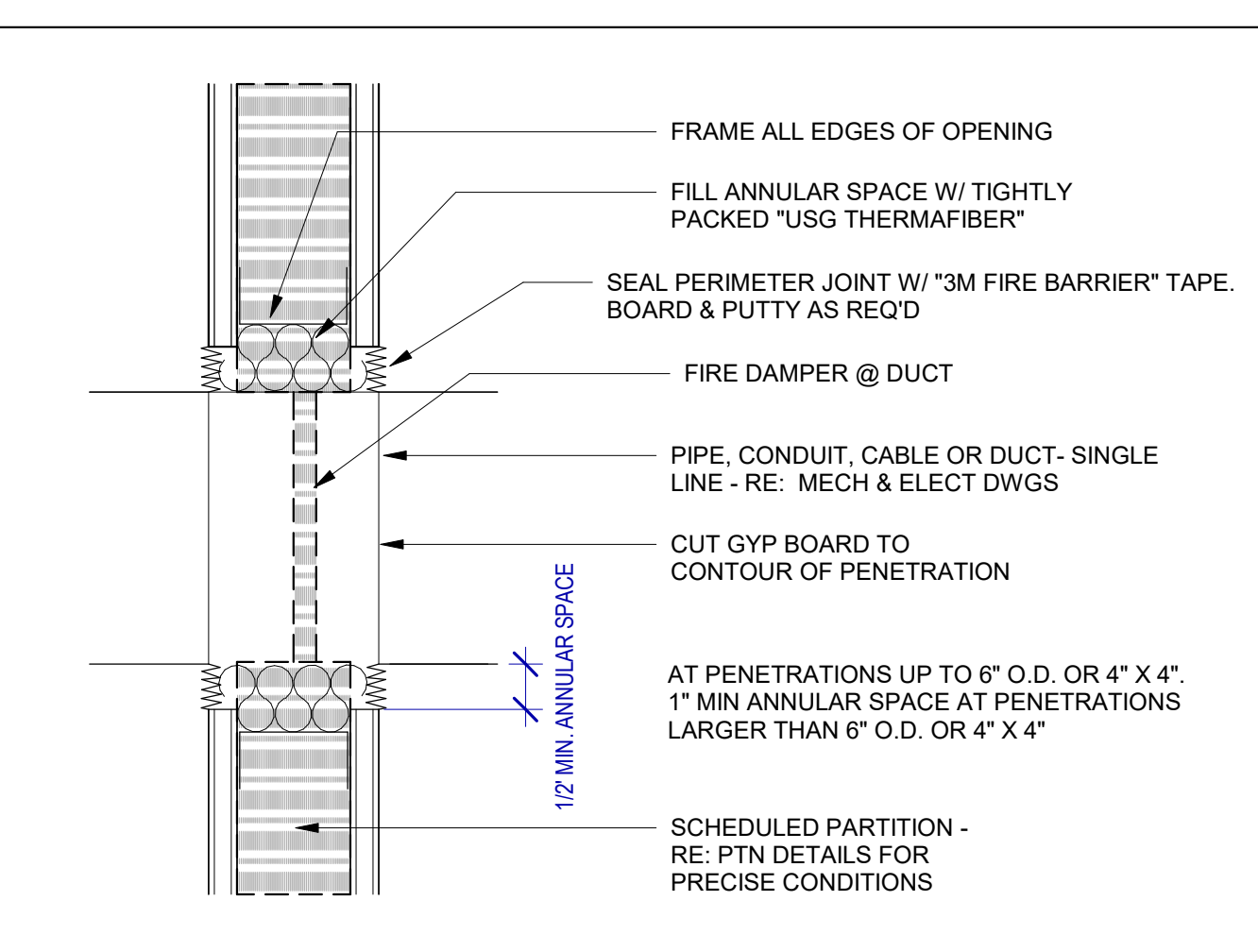
13 FIRESAFING DETAIL CONDUIT



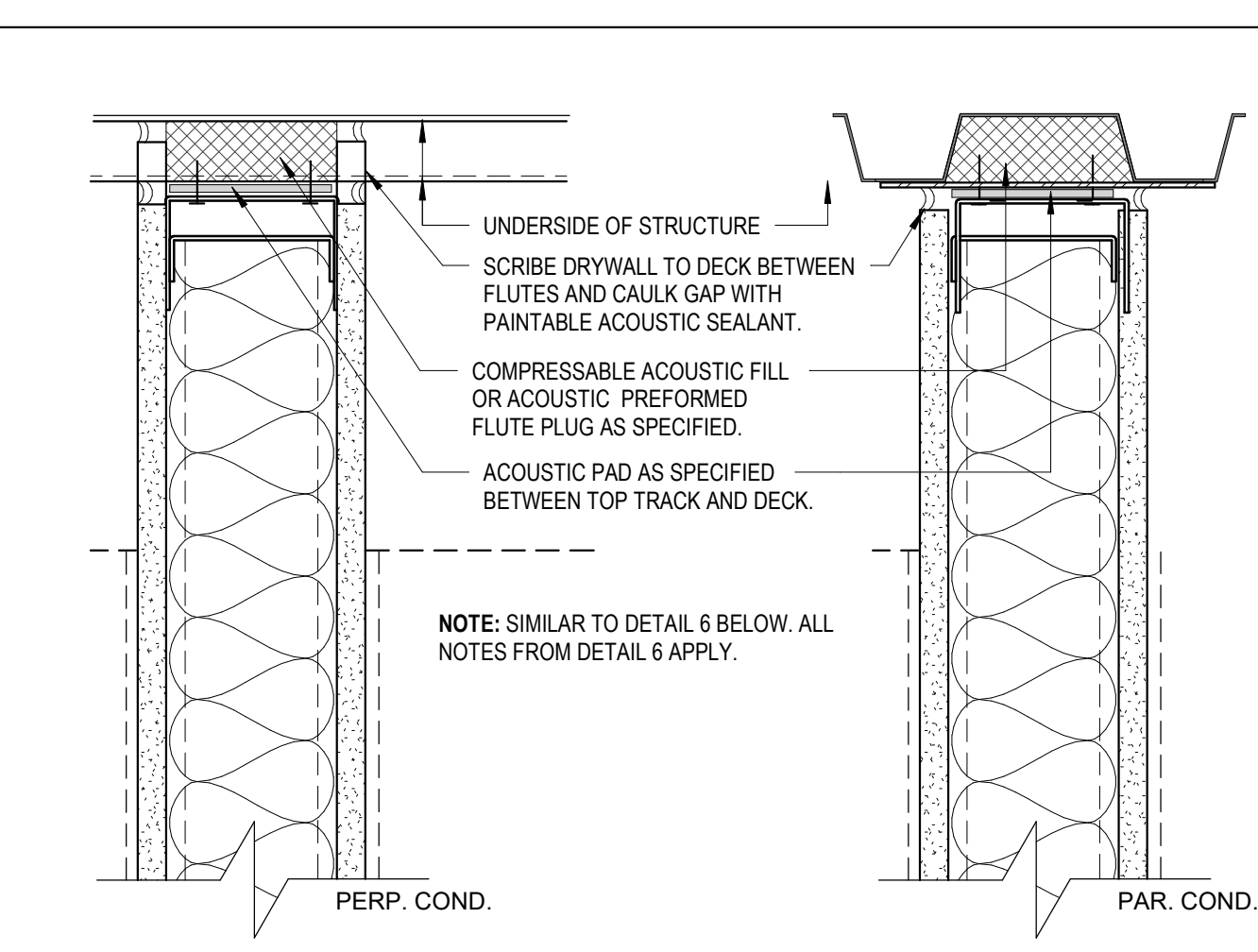
8 FIRE RATED HEAD DETAIL - PARALLEL TO DECK  
 SCALE: 3" = 1'-0"



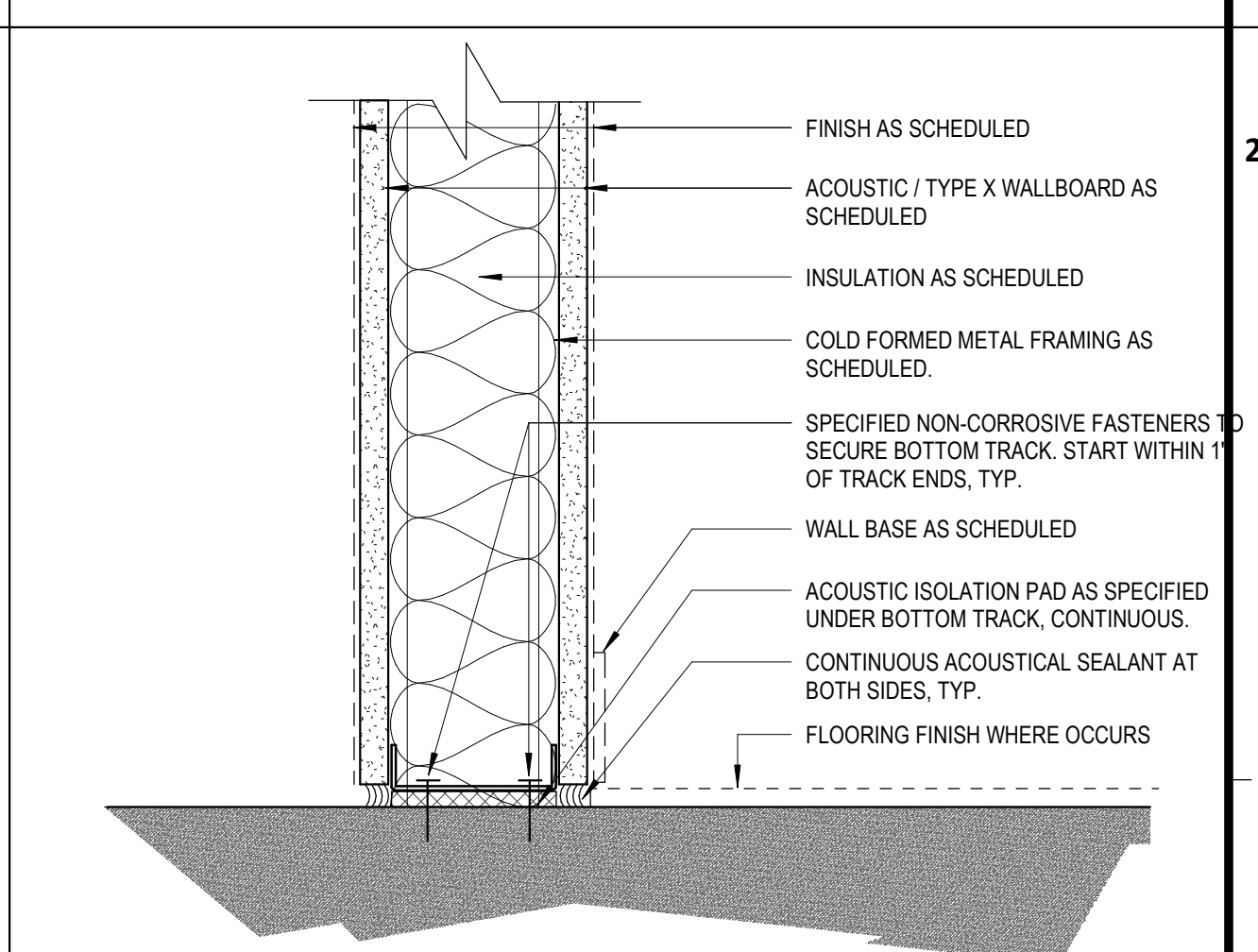
2 ACOUSTIC PARTITION BASE DETAIL  
 SCALE: 3" = 1'-0"



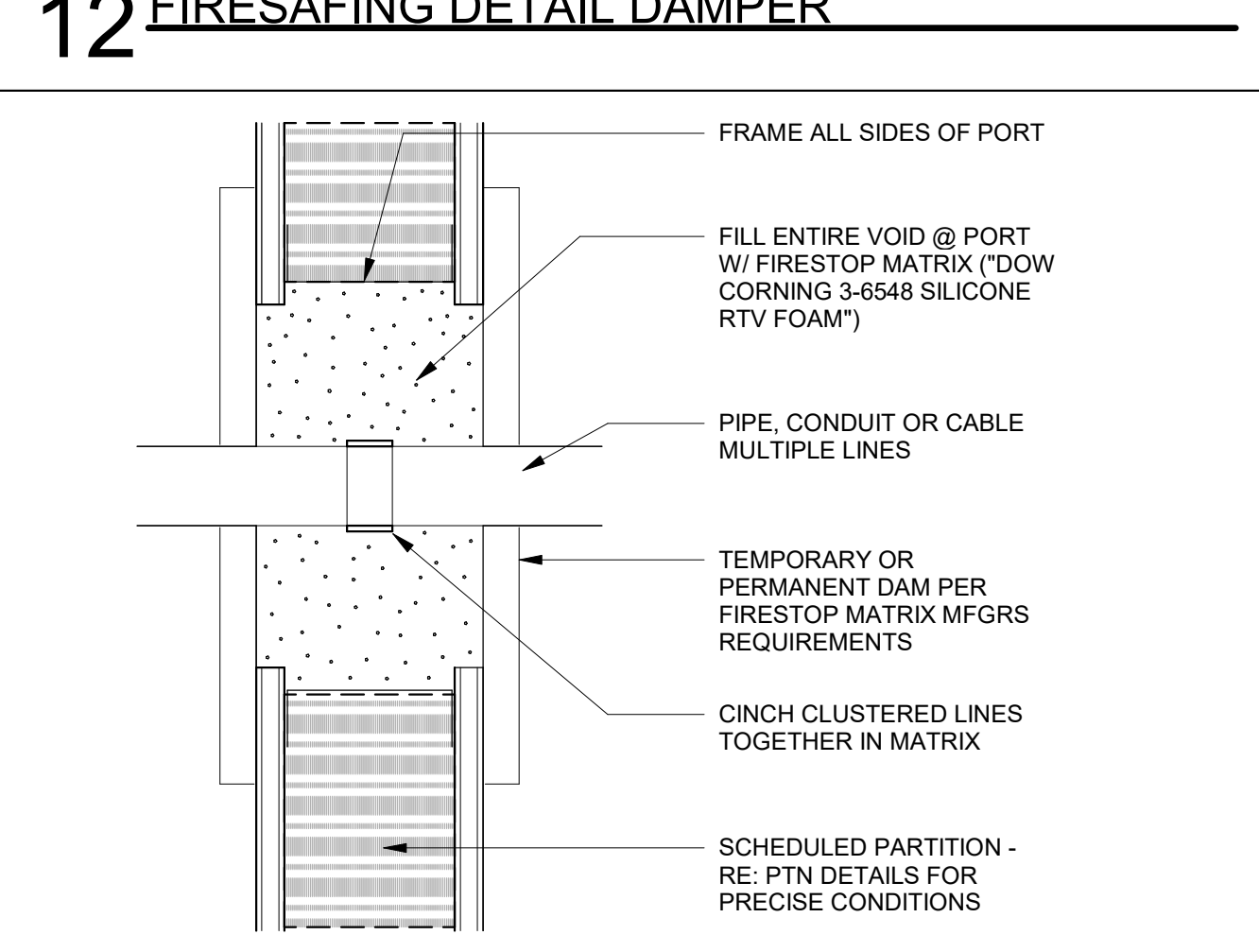
12 FIRESAFING DETAIL DAMPER



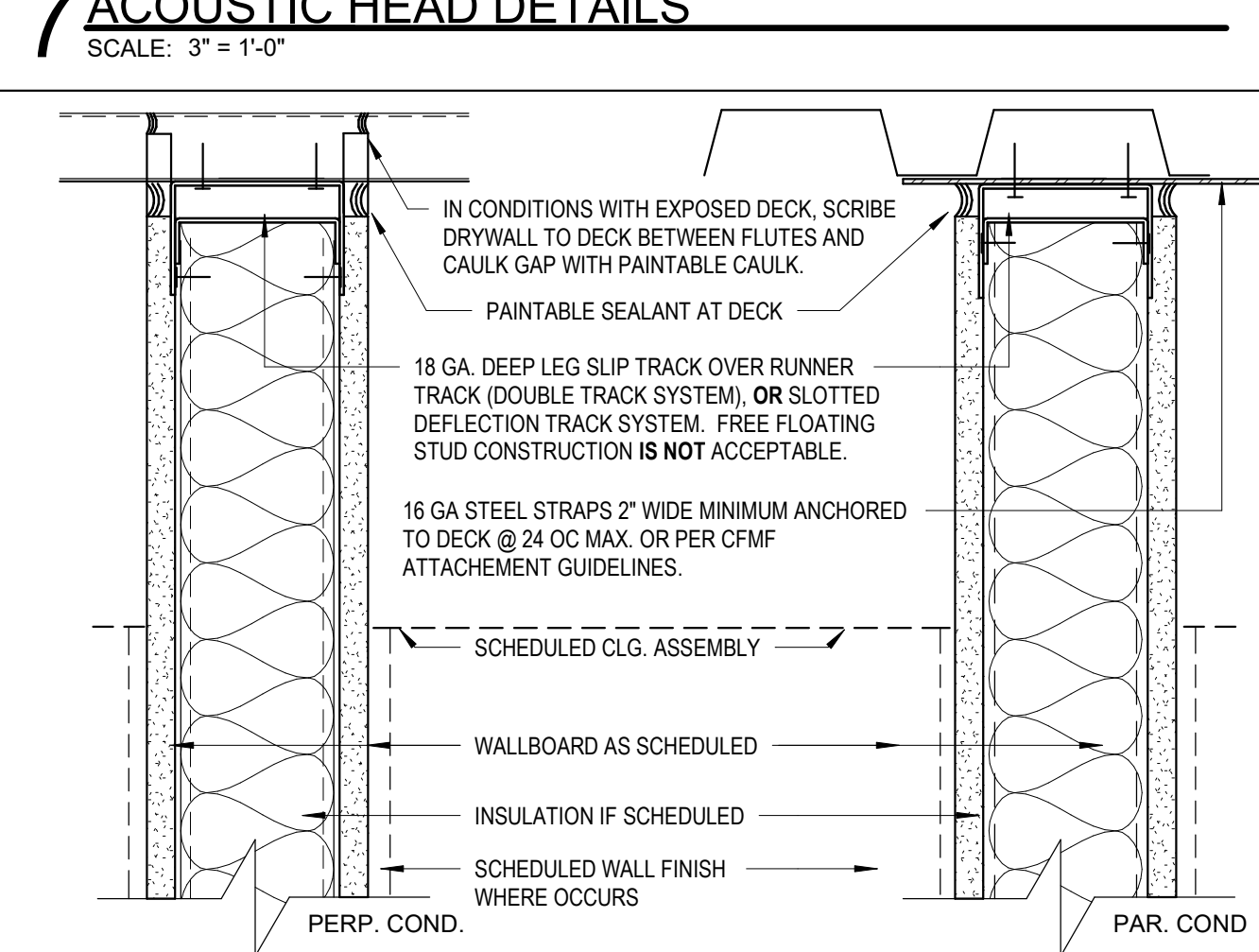
7 ACOUSTIC HEAD DETAILS  
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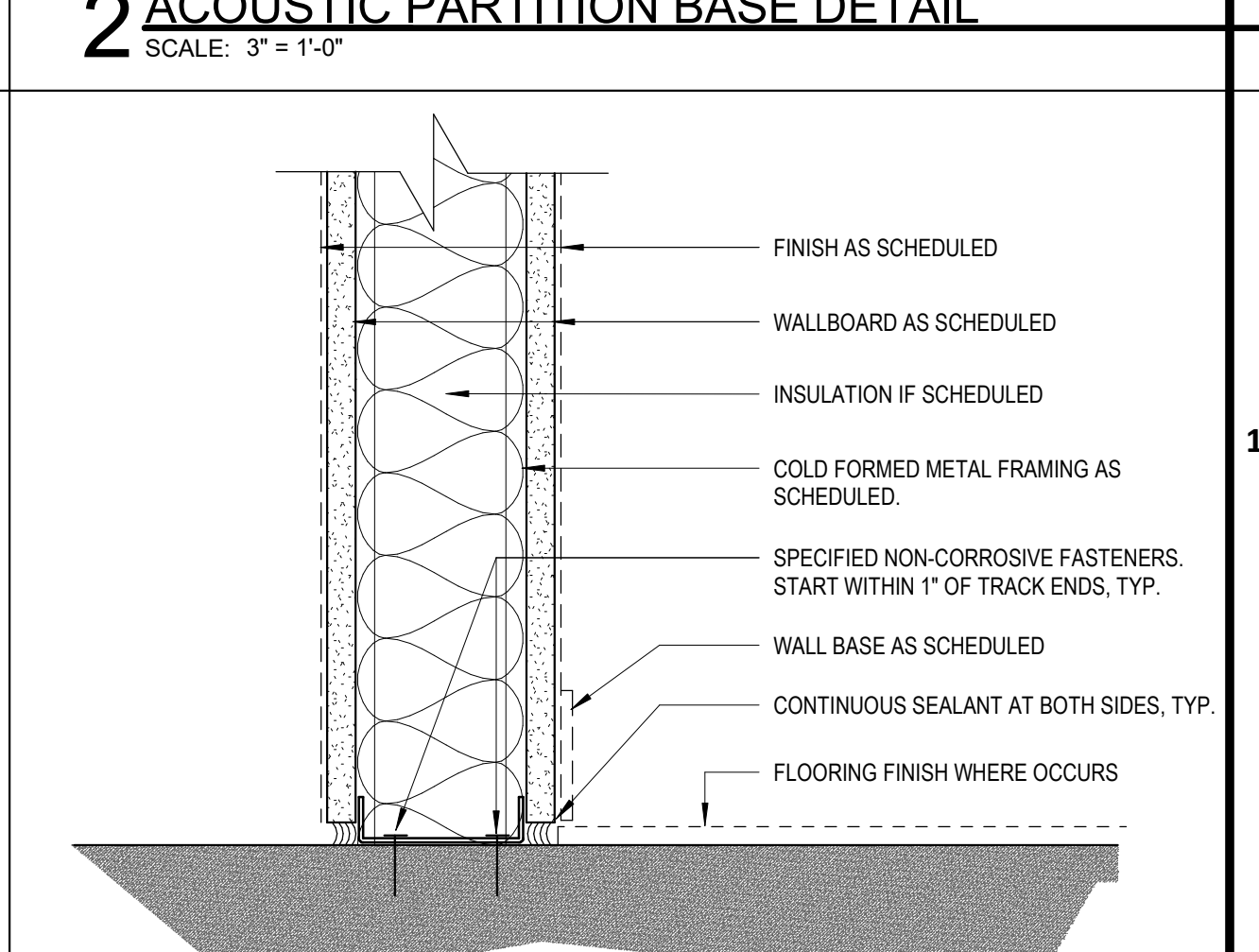
1 TYPICAL / FIRE RATED BASE DETAIL  
 SCALE: 3" = 1'-0"



11 FIRESAFING DETAIL- PIPE THRU PARTITION



6 TYPICAL HEAD DETAILS  
 SCALE: 3" = 1'-0"



1 TYPICAL / FIRE RATED BASE DETAIL  
 SCALE: 3" = 1'-0"

**HOUSTON AIRPORTS**  
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**IAH TERMINAL A RESTROOMS REFRESH**

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**HENDERSON ROGERS**  
 structural engineers

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**PGA ENGINEERS, INC.**

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
 DRAWN BY: GP/FF/SF/RB  
 CHECKED BY: DO  
 ISSUE DATE: 03/15/2024  
 APPROVED BY: DO  
 APPROVAL DATE: 03/15/2024

**DIRECTOR of HOUSTON AIRPORT SYSTEM**

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

**REGISTERED ARCHITECT**  
 DANIEL E. GYR  
 25004  
 STATE OF TEXAS  
 05.15.24

SHEET NAME: INTERIOR PARTITION DETAILS - TYPICAL  
 SHEET No. G-121 SCALE: As indicated  
 SHEET SIZE: 30"x42" ARCH E1



PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE: FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

**PLUMBING SYSTEMS**

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

RESTROOM	EXISTING	PROPOSED	USE GROUP	TOILETS	LAVATORIES	SINGLE OCCUPANT	DRINKING FOUNTAINS	SERVICE SINKS
RR 1 & 2	EXISTING	PROPOSED	A-3	8M + 8U/14F	8M/8F	1	0	1
RR 3	EXISTING	PROPOSED	A-3	8M + 11U	8M	0	0	1
RR 4	EXISTING	PROPOSED	A-3	13F	8F	1	0	0
RR 5 & 6	EXISTING	PROPOSED	A-3	5M + 4U/9F	5M/6F	0	2	1
RR 9 & 10	EXISTING	PROPOSED	A-3	3M + 3U/4F	3M/4F	1	2	1
RR 11 & 12	EXISTING	PROPOSED	A-3	3M + 3U/5F	4M/4F	0	2	0
RR 13 & 14	EXISTING	PROPOSED	A-3	3M + 3U/5F	4M/4F	0	2	1
RR 15 & 16	EXISTING	PROPOSED	A-3	3M + 3U/5F	4M/4F	1	2	1
RR 17 & 18	EXISTING	PROPOSED	A-3	4M + 4U/9F	4M/4F	0	2	1

**APPLICABLE BUILDING CODES**

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

**SCOPE OF WORK**

- THE WORK SHALL BE DONE IN COMPLIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, AND FACILITIES CRITERIA DOCUMENT OF THE HOUSTON AIRPORT AUTHORITY.
- THE WORK INCLUDES MINOR DEMOLITION; REMOVING PORTIONS OF CEILINGS, WALLS, FLOOR FINISHES AND ASSOCIATED MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION.
- THE WORK INCLUDES RESTROOM RENOVATIONS AT GEORGE BUSH INTERNATIONAL AIRPORT SECURED AREA. CONSTRUCTION INCLUDES INTERIOR BUILDING IMPROVEMENTS, INCLUDING ACCESSORIES, FIXTURES AND FINISHES, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS WORK AS PER MEP DRAWINGS AND SPECIFICATIONS.
- THE WORK REQUIRES CAREFUL AND THOROUGH COORDINATION WITH OWNER FURNISHED ITEMS AND SYSTEMS.
- THERE IS NO CHANGE IN OCCUPANCY OR USE, OCCUPANCY CLASSIFICATION AND OCCUPANT LOAD NOT AFFECTED BY WORK.

**BUILDING CODE SUMMARY**

**EXISTING AIRPORT**  
 OCCUPANCY TYPE: A-3 ASSEMBLY ACCESSORY OCCUPANCY; RESTROOMS IN TRANSPORTATION TERMINALS  
 CONSTRUCTION TYPE: I-A  
 SPRINKLER: FULLY SPRINKLERED  
 PROJECT LOCATION: 2800 N TERMINAL RD HOUSTON, TX 77032

**SPECIAL REQUIREMENTS BASED ON USE AND OCCUPANCY**

- 408.3 EXCEPT AS MODIFIED IN CHAPTER 4, THE PROVISIONS OF CHAPTER 10 SHALL APPLY.
- 408.4 EGRESS DOORS ARE PERMITTED TO BE LOCKED IN ACCORDANCE WITH THE APPLICABLE USE CONDITION.
- 408.4.4 DOORS REMOTELY UNLOCKED UNDER EMERGENCY CONDITIONS SHALL NOT AUTOMATICALLY RELOCK WHEN CLOSED UNLESS SPECIFIC ACTION IS TAKEN AT THE REMOTE LOCATION TO ENABLE THE DOORS TO LOCK.
- 408.8 A WINDOWLESS BUILDING OR PORTION OF A BUILDING IS ONE WITH NON-OPENABLE WINDOWS, WINDOWS NOT READILY BREAKABLE OR WITHOUT WINDOWS. WINDOWLESS BUILDINGS SHALL BE PROVIDED WITH AN ENGINEERED SMOKE CONTROL SYSTEM TO PROVIDE VENTILATION IN ACCORDANCE WITH SECTION 909 FOR EACH WINDOWLESS SMOKE COMPARTMENT.

**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 IA, FULLY SPRINKLERED

TABLE 601 FIRE RESISTIVE REQUIREMENTS FOR BUILDING ELEMENTS

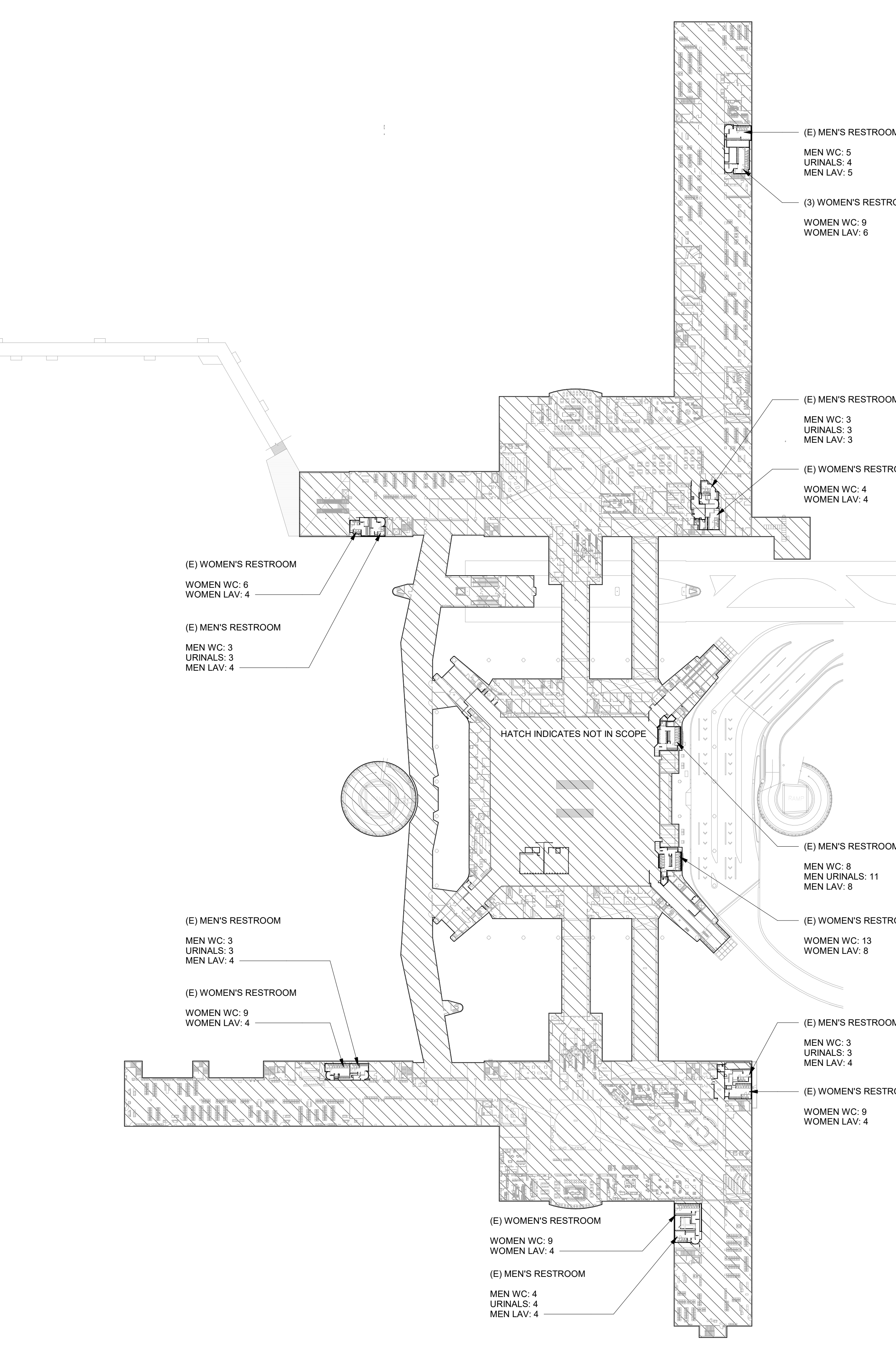
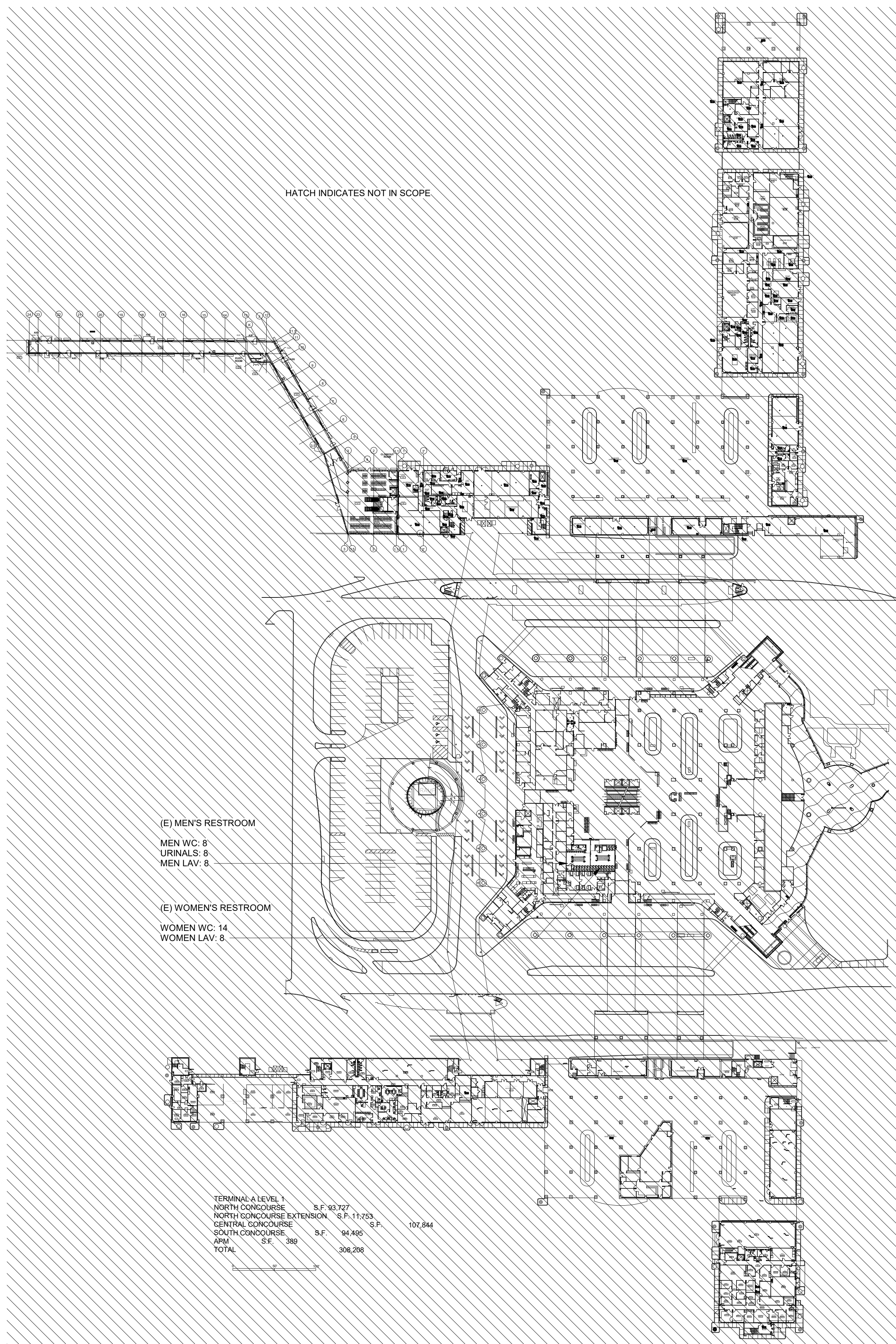
STRUCTURAL FRAME	3-HOUR
BEARING WALLS	3-HOUR
NONBEARING WALLS	0-HOUR
FLOOR CONSTRUCTION	2-HOUR
ROOF CONSTRUCTION	1.5-HOUR

TABLE 602 FIRE RESISTIVE REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE - NOT APPLICABLE DUE TO DISTANCE OF BUILDING TO PROPERTY LINE.

**INTERIOR FINISHES**

TABLE 803.5 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP	EXIT ENCLOSURES	CORRIDORS	ROOMS
A-3	CLASS B	CLASS B	CLASS C



**1 LEVEL 1 LIFE/SAFETY**  
SCALE: 1" = 80'-0"

**2 LEVEL 2 LIFE/SAFETY**  
SCALE: 1" = 80'-0"



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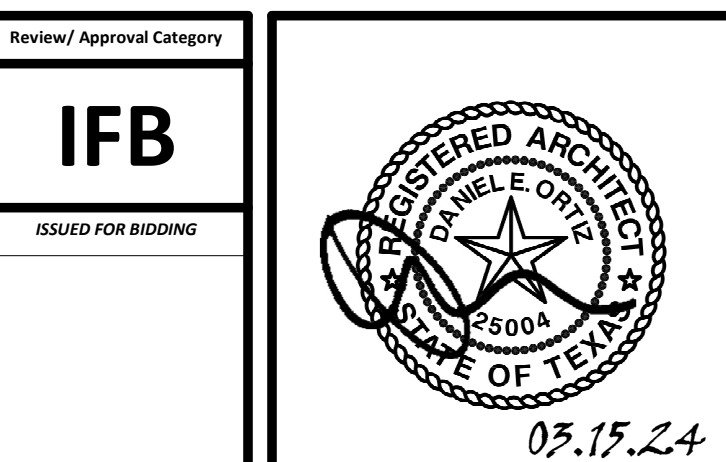
DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

**REVISIONS**

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DESIGN BY: GP  
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**HOUSTON AIRPORT SYSTEM**



SHEET NAME: CODE SUMMARY

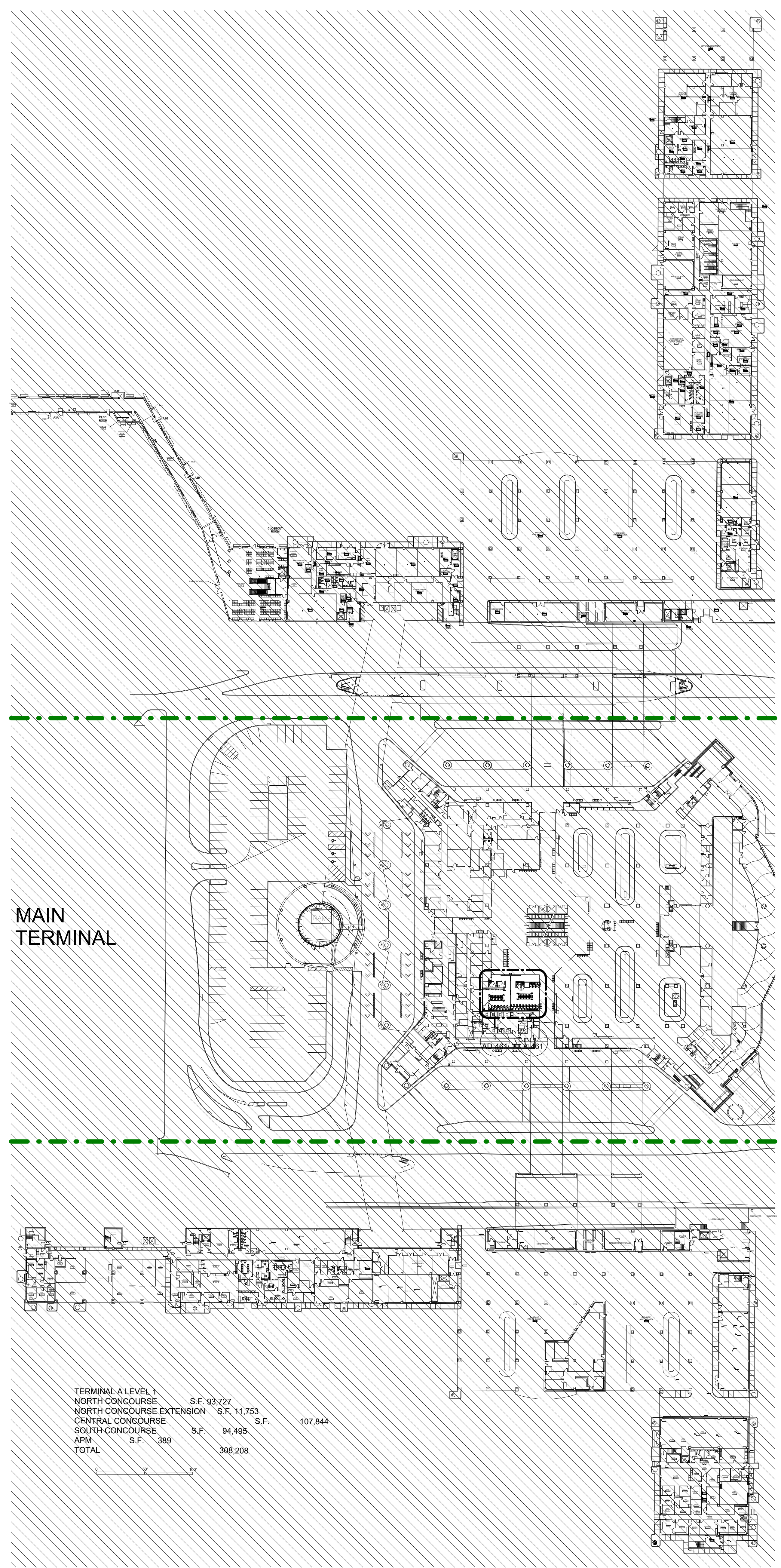
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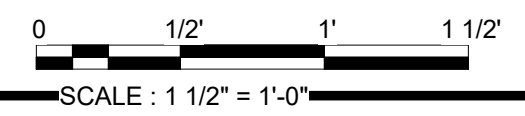
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OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:



**1 OVERALL FLOOR PLAN - LEVEL 1**  
SCALE: 1" = 60'-0"



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Review/Approval Category: **IFB**  
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SHEET NAME: OVERALL FLOOR PLAN - LEVEL 1  
SHEET No. A-111 SCALE: 1" = 60'-0"

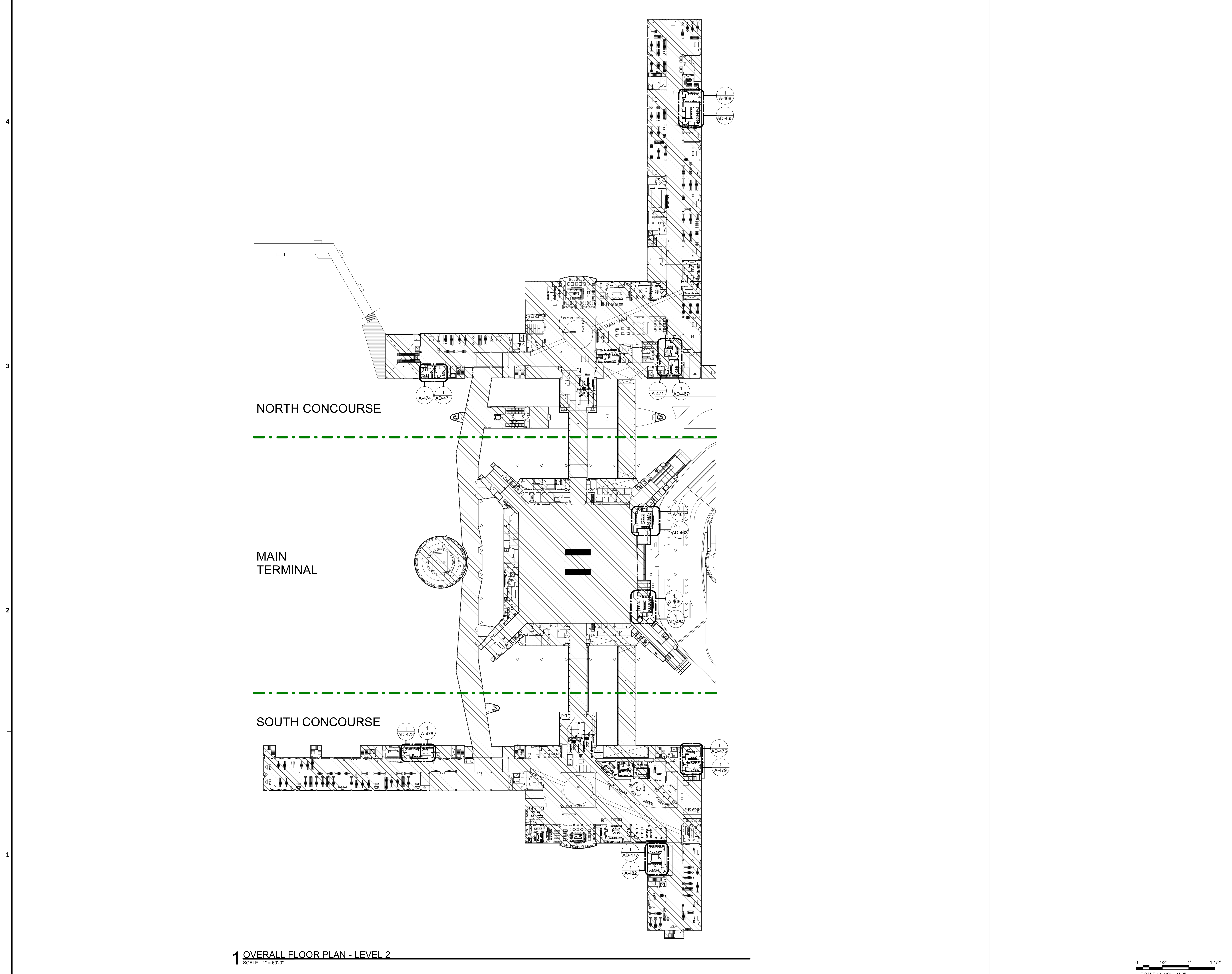
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OLD DOA No. :  
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:

A B C D E



**1** OVERALL FLOOR PLAN - LEVEL 2  
SCALE: 1" = 60'-0"

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



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**IAH TERMINAL A RESTROOMS  
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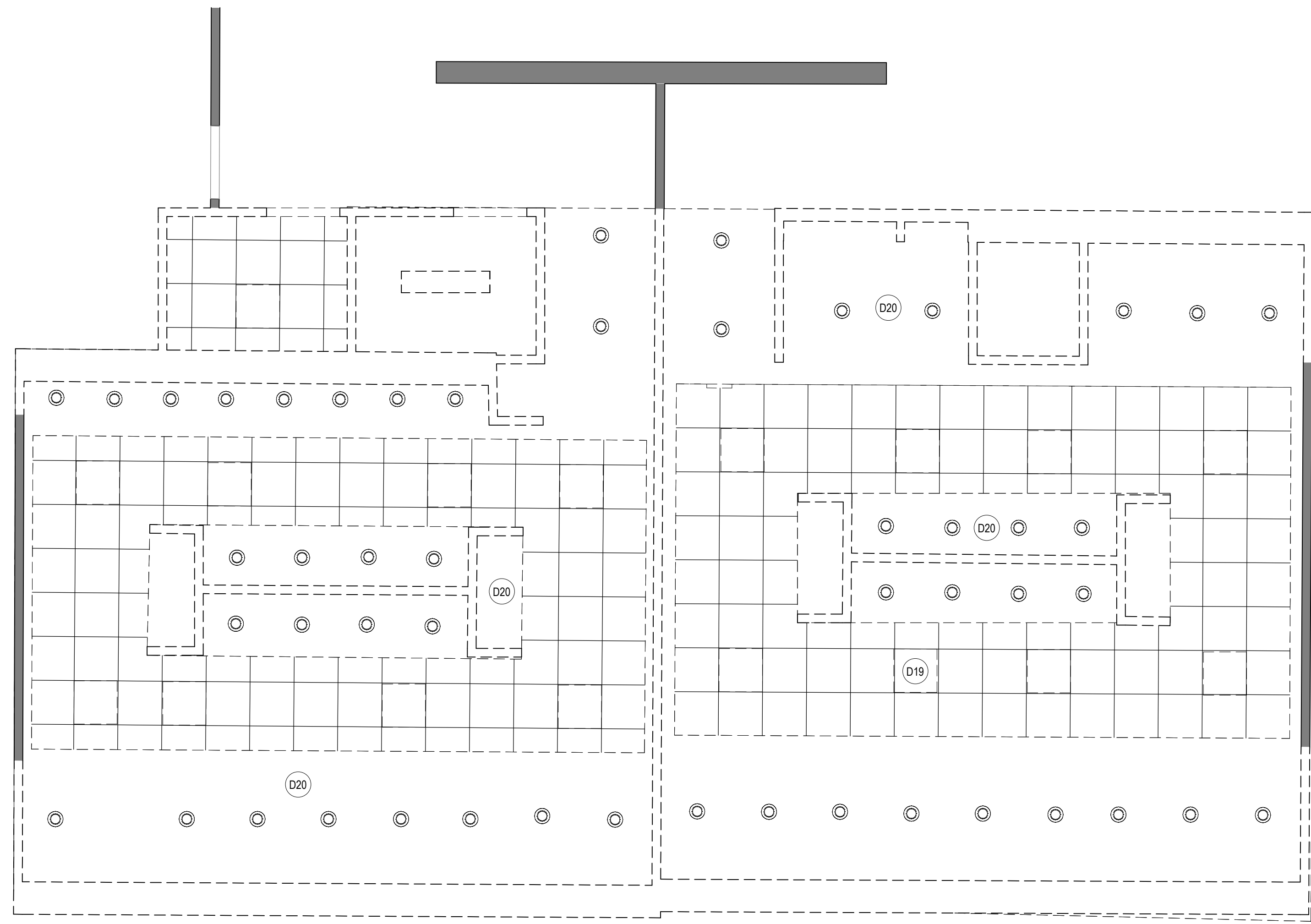
Review/Approval Category <b>IFB</b> ISSUED FOR BIDDING	REGISTERED ARCHITECT DANIEL G. RYAN 25004 STATE OF TEXAS 05.15.24
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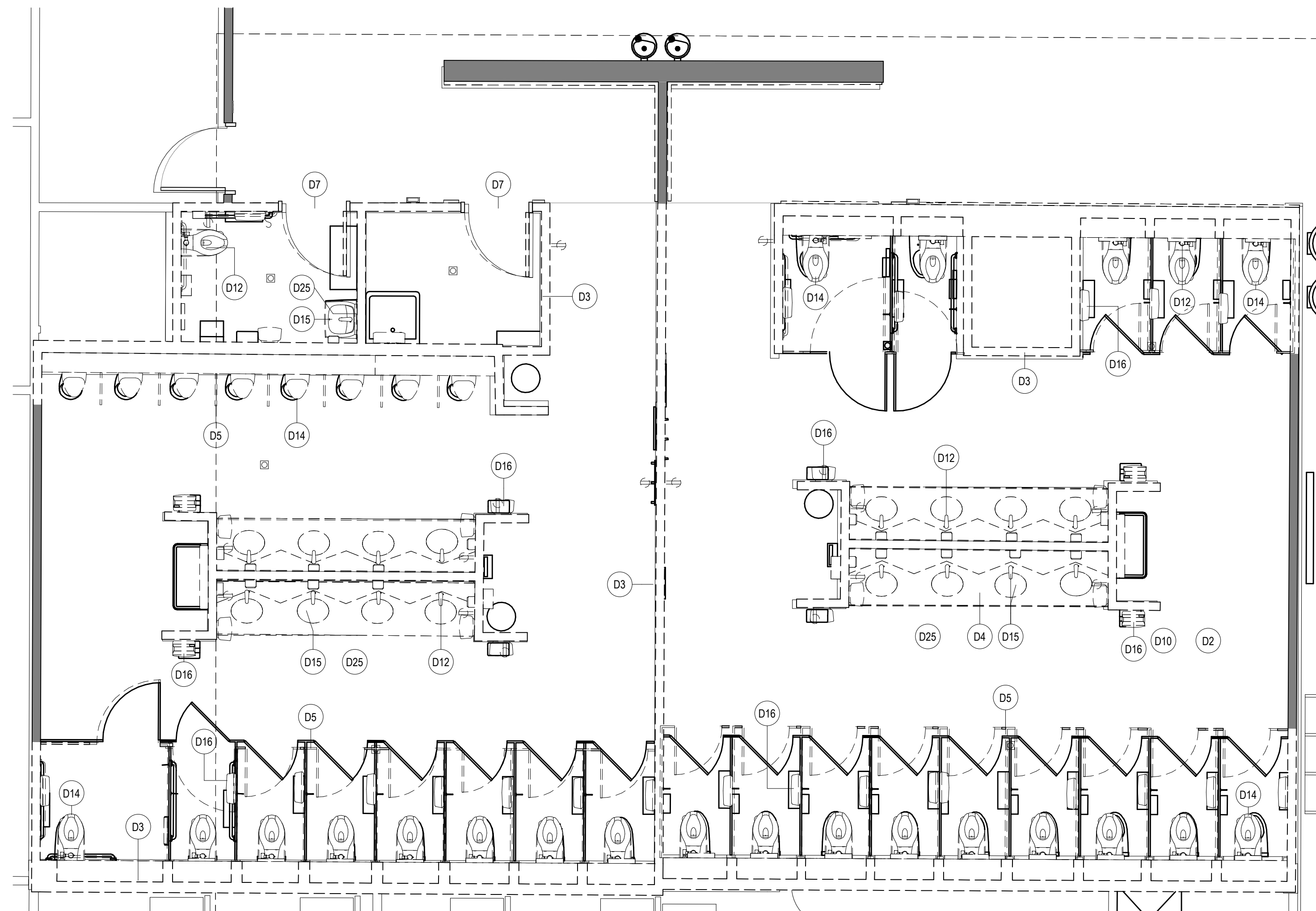
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SHEET SIZE: 30"x42" ARCH E1

A B C D E



**2 ENLARGED DEMO RCP RR 1 & 2**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 1 & 2**  
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, AND SHALL BE CONCEALED BEHIND NEW SCHEDULED PARTITION. EXISTING SURFACE MOUNTED POWER OUTLETS, DATA, AND THERMOSTATS. NOTED FOR REINSTALLATION, SHALL BE CONVERTED TO RECESSED WITHIN NEW PARTITION AND PROVIDED WITH A NEW FACE PLATE.
- ALL DOOR FRAMES AT EXISTING AND NEW WALLS TO RECEIVE DOUBLE STUDS AT JAMBS & BOX HEADERS AT HEAD CONDITIONS. VERIFY ROUGH OPENINGS REQUIRED.
- OWNER/HAS HAS FIRST RIGHT OF SALVAGE.
- ALL EXISTING FINISHES TO BE REMOVED AND REMAINING SURFACES TO BE REPAIRED AND PREPPED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION, U.N.C.
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL SMART RESTROOM TECHNOLOGY IS TO BE HANDED OVER TO HAS IT TERMINAL SERVICES GROUP. CONTRACTOR TO COORDINATE WITH HAS IT DIRECTLY TO HAND OVER REMOVED SMART RESTROOM DEVICES DURING DEMO AND TO RECEIVE THE SMART RESTROOM DEVICES FOR INSTALLATION PHASE OF THIS PROJECT.
- CONTRACTOR TO SUBMIT TEMPORARY PROTECTION LAYOUT FOR APPROVAL BEFORE STARTING INSTALLATION.
- 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.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
D2	REMOVE ALL EXISTING FINISHES AS REQUIRED FOR NEW INSTALLATION OF TILES FINISH AND PREP AS REQUIRED FOR INSTALLATION OF TILES, ETC.
D3	REMOVE EXISTING WALLS
D4	REMOVE EXISTING COUNTERTOP/SHELF AND FRAME SUPPORT.
D5	REMOVE EXISTING TOILET PARTITIONS AND URINAL DIVIDERS. TYP.
D7	EXISTING DOOR TO BE REMOVED AND REPLACED
D10	REMOVE EXISTING FLOOR TILE AND PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE
D12	EXISTING PLUMBING FIXTURES AND STEEL SUPPORT TO BE REMOVED. PLUMBING LINES TO BE PREPARED/RELOCATED FOR NEW WORK. REFER MEP DRAWINGS. TYP.
D14	REMOVE ALL EXISTING WATER CLOSET/URINALS. TYPICAL IN ALL ROOM.
D15	REMOVE EXISTING LAVATORY SINKS & FAUCETS. TYPICAL IN ALL ROOM.
D16	REMOVE EXISTING TOILET ACCESSORIES. TYPICAL IN ALL ROOM.
D19	REMOVE EXISTING CEILING TILE. EXISTING FRAME TO REMAIN. PROTECT THE CEILING FIXTURES AS REQUIRED DURING DEMOLITION & CONSTRUCTION.
D20	EXISTING GYP. BD. CEILING TO BE REMOVED, REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.
D25	REMOVE EXISTING MIRRORS.

**DEMOLITION LEGEND**

- DASHED LINE INDICATES OBJECT OR PARTITION TO BE DEMOLISHED. REFER TO KEYNOTES
- EXISTING PARTITION TO REMAIN
- ▨ NOT IN SCOPE



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

**REVISIONS**

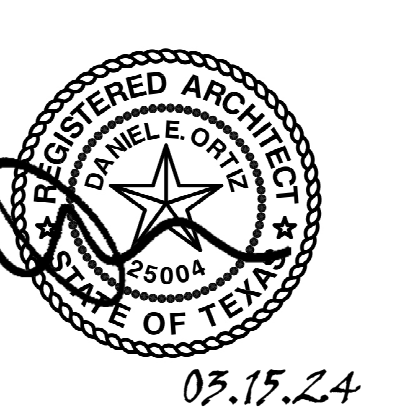
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SHEET NAME: DEMOLITION PLANS - RR 1 & 2

SHEET No. AD-461 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

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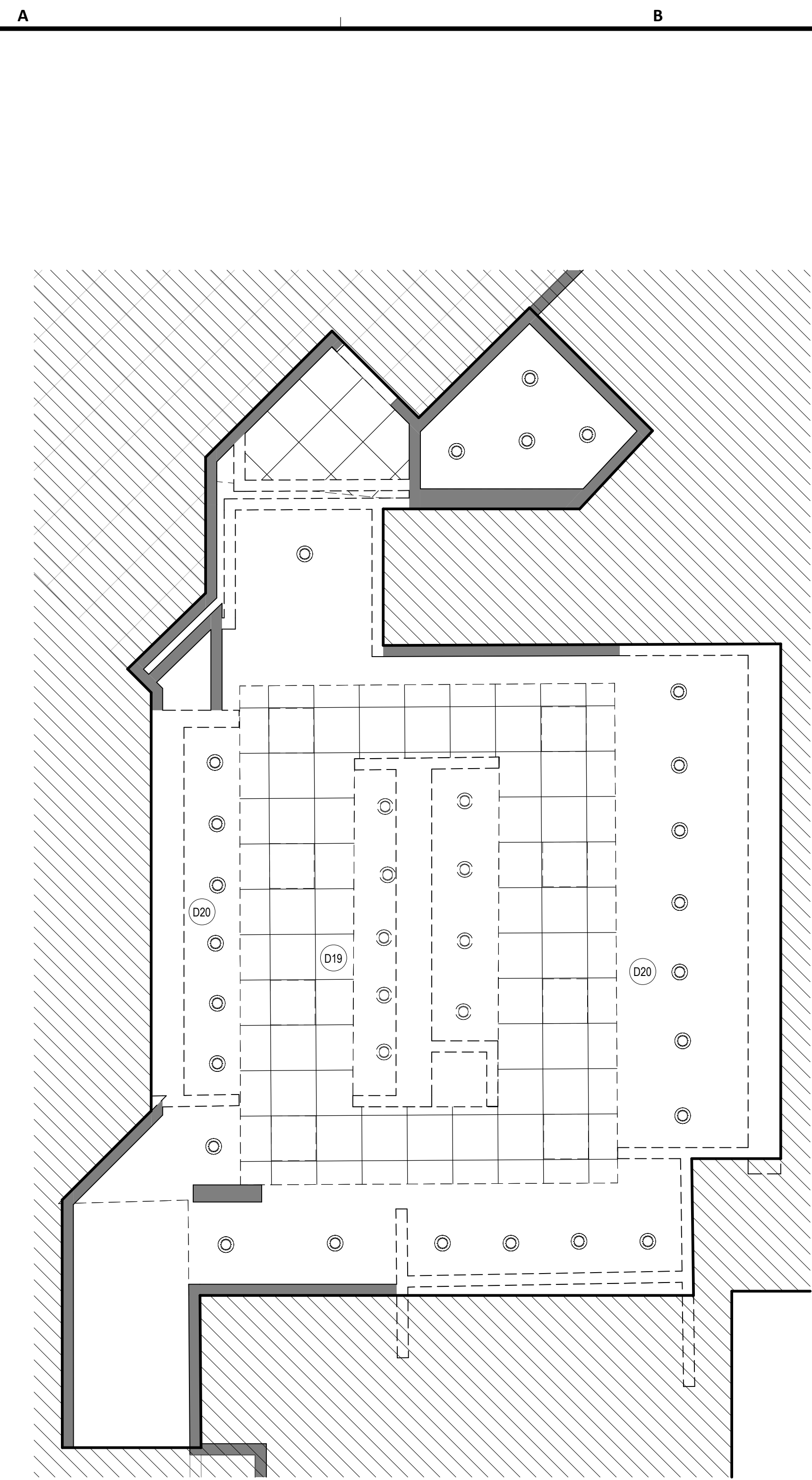
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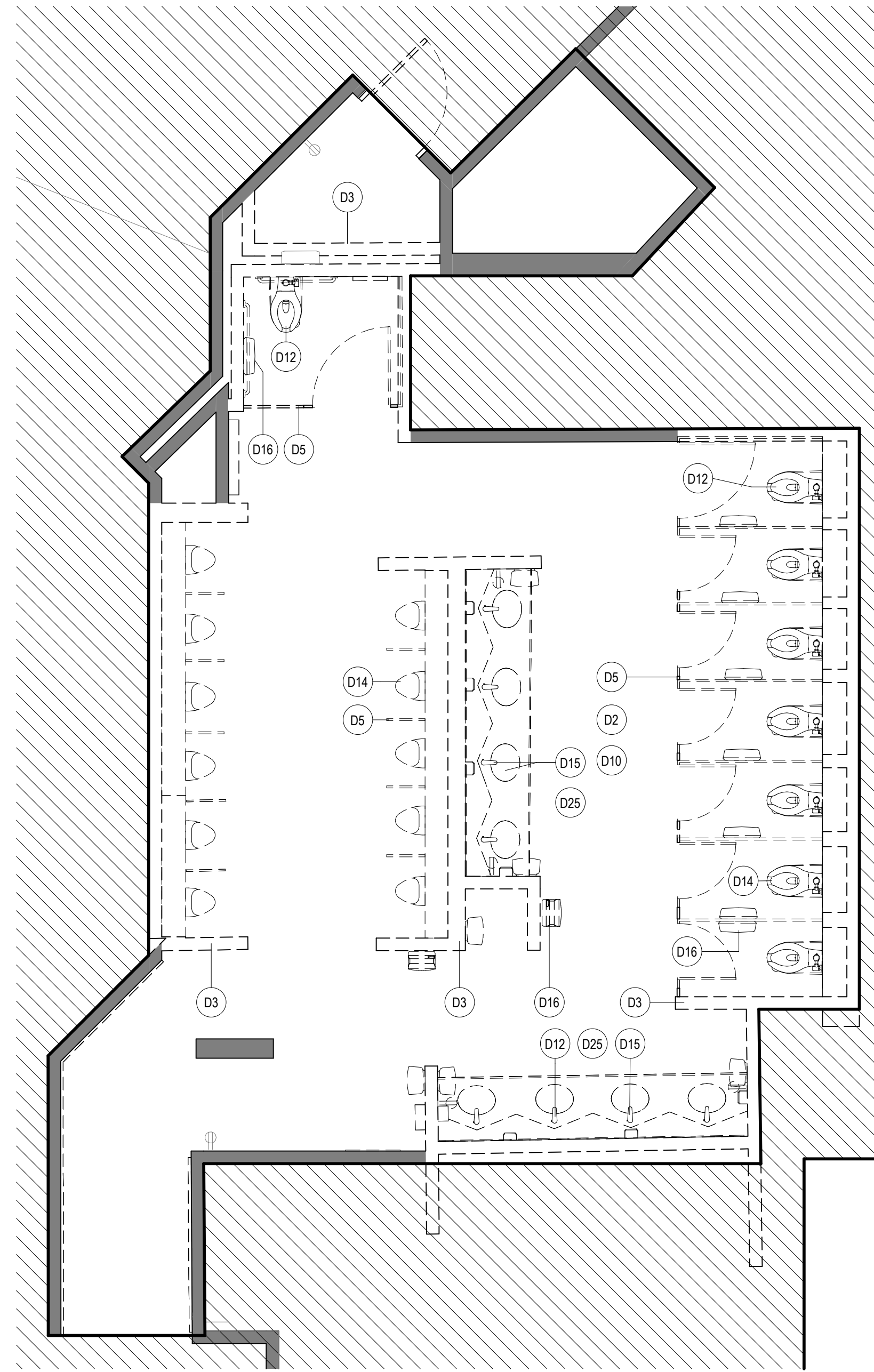
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HAS FILE:

PLOT DATE:



**2 ENLARGED DEMO RCP RR 3**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 3**  
SCALE: 1/4" = 1'-0"

**DEMOLITION GENERAL NOTES**

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**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
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D5	REMOVE EXISTING TOILET PARTITIONS AND URINAL DIVIDERS, TYP.
D10	REMOVE EXISTING FLOOR TILE AND PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE.
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D25	REMOVE EXISTING MIRRORS.

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PROJECT STATUS:

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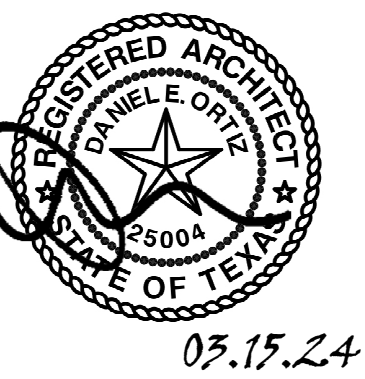
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SHEET NAME: DEMOLITION PLANS - RR 3

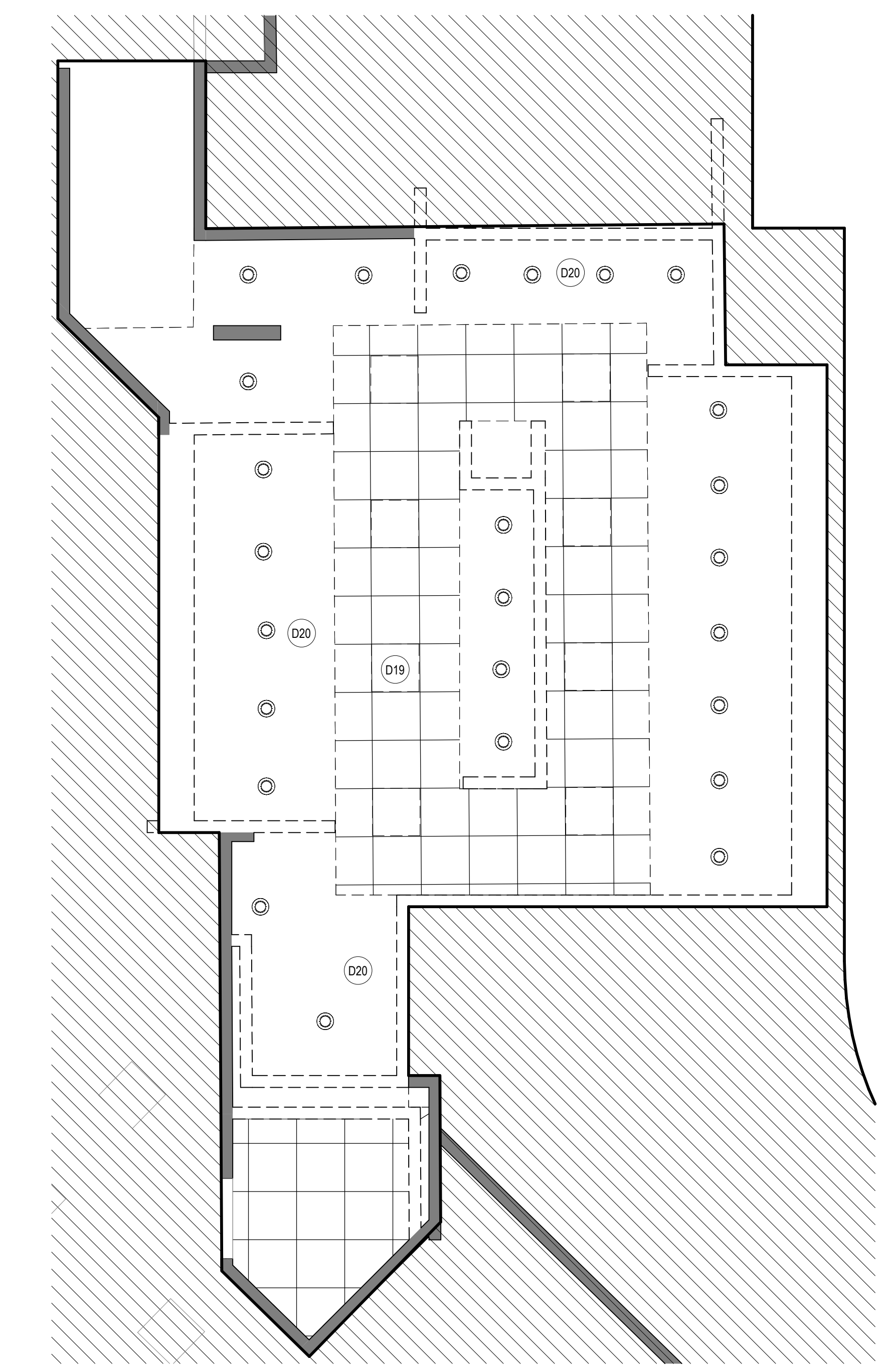
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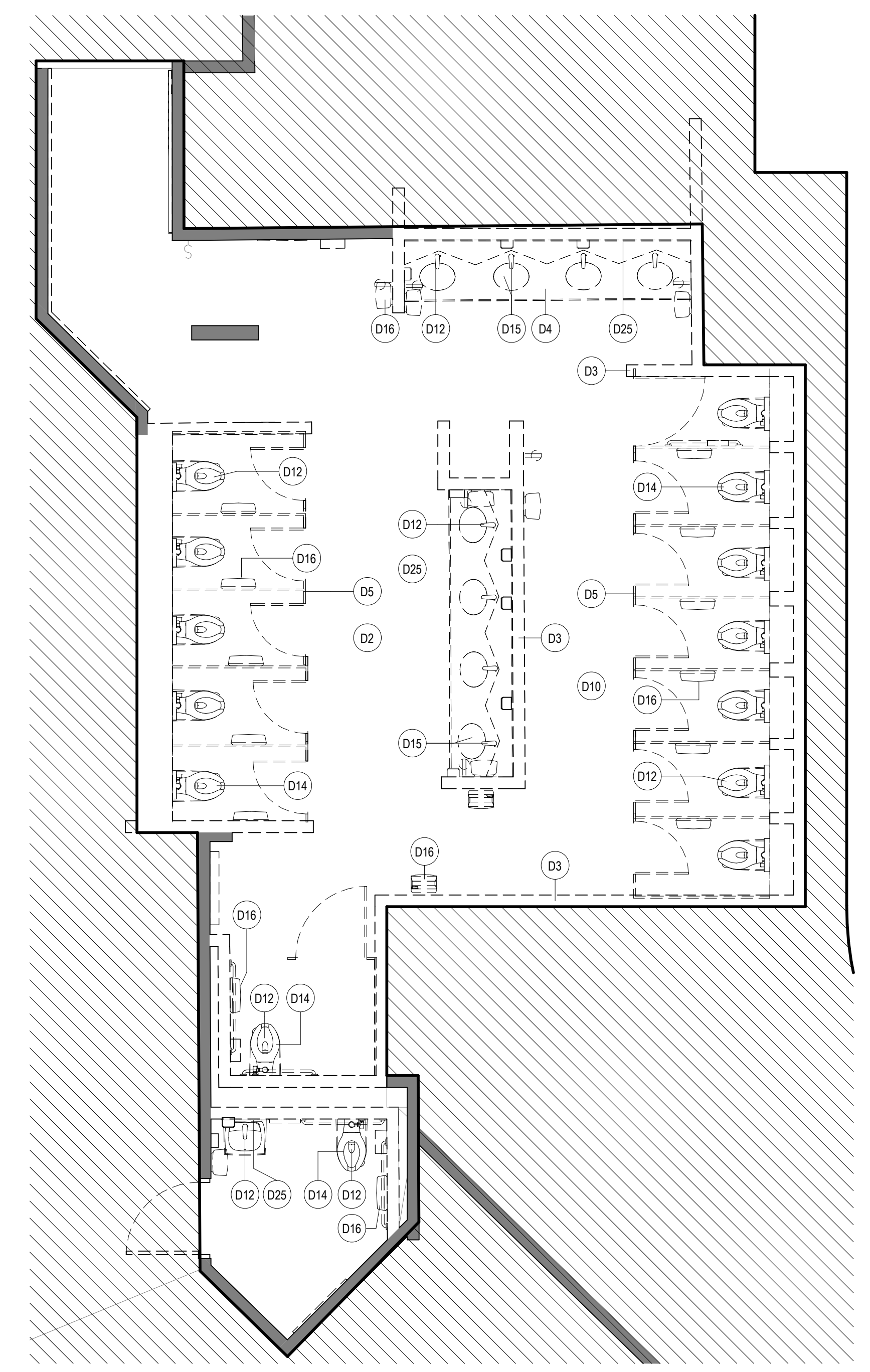
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DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26 Terminal A RR Refresh-Central.rvt  
HAS FILE:

**2 ENLARGED DEMO RCP RR 4**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 4**  
SCALE: 1/4" = 1'-0"



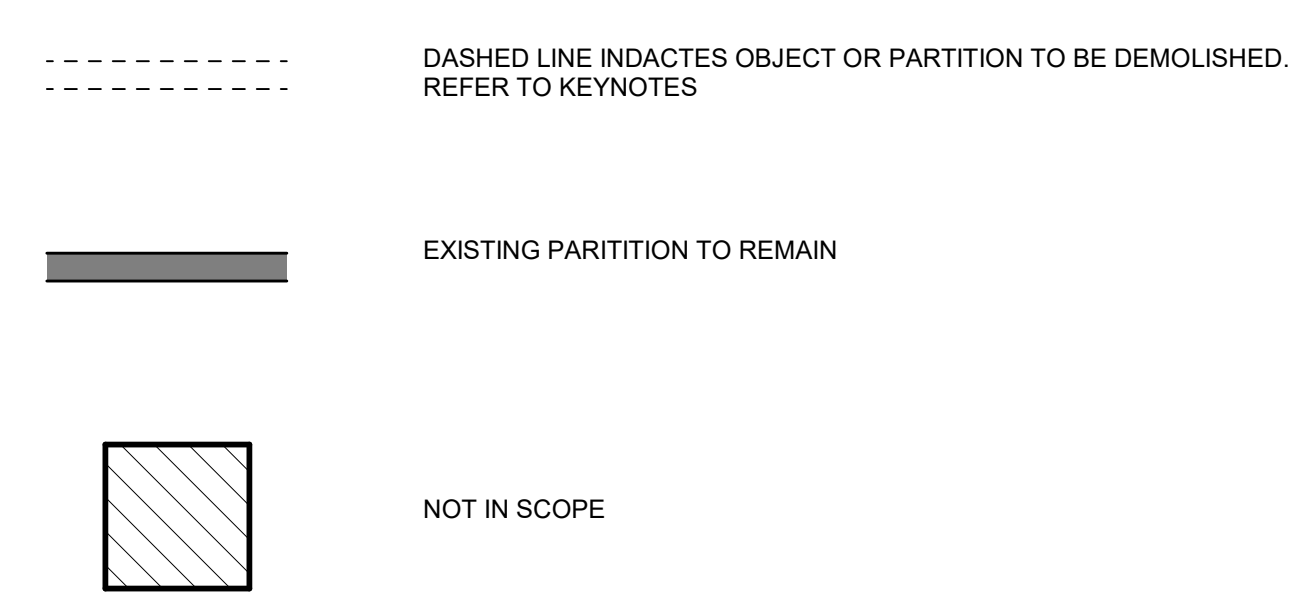
**DEMOLITION GENERAL NOTES**

- 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, AND SHALL BE CONCEALED BEHIND NEW SCHEDULED PARTITION. EXISTING SURFACE MOUNTED POWER OUTLETS, DATA, AND THERMOSTATS. NOTED FOR REINSTALLATION, SHALL BE CONVERTED TO RECESSED WITHIN NEW PARTITION AND PROVIDED WITH A NEW FACE PLATE.
- ALL DOOR FRAMES AT EXISTING AND NEW WALLS TO RECEIVE DOUBLE STUDS AT JAMBS & BOX HEADERS AT HEAD CONDITIONS. VERIFY ROUGH OPENINGS REQUIRED.
- OWNER/HAS HAS FIRST RIGHT OF SALVAGE.
- ALL EXISTING FINISHES TO BE REMOVED AND REMAINING SURFACES TO BE REPAIRED AND PREPPED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION, U.N.C.
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL SMART RESTROOM TECHNOLOGY IS TO BE HANDED OVER TO HAS IT TERMINAL SERVICES GROUP. CONTRACTOR TO COORDINATE WITH HAS IT DIRECTLY TO HAND OVER REMOVED SMART RESTROOM DEVICES DURING DEMO AND TO RECEIVE THE SMART RESTROOM DEVICES FOR INSTALLATION PHASE OF THIS PROJECT.
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- 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.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
D2	REMOVE ALL EXISTING FINISHES AS REQUIRED FOR NEW INSTALLATION OF TILES FINISH AND PREP AS REQUIRED FOR INSTALLATION OF TILES, ETC
D3	REMOVE EXISTING WALLS
D4	REMOVE EXISTING COUNTERTOP/SHELF AND FRAME SUPPORT.
D5	REMOVE EXISTING TOILET PARTITIONS AND URINAL DIVIDERS. TYP.
D10	REMOVE EXISTING FLOOR TILE AND PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE.
D12	EXISTING PLUMBING FIXTURES AND STEEL SUPPORT TO BE REMOVED. PLUMBING LINES TO BE PREPARED/RELOCATED FOR NEW WORK. REFER MEP DRAWINGS. TYP.
D14	REMOVE ALL EXISTING WATER CLOSET URINALS. TYPICAL IN ALL ROOM.
D15	REMOVE EXISTING LAVATORY SINKS & FAUCETS. TYPICAL IN ALL ROOM.
D16	REMOVE EXISTING TOILET ACCESSORIES. TYPICAL IN ALL ROOM.
D19	REMOVE EXISTING CEILING TILE. EXISTING FRAME TO REMAIN. PROTECT THE CEILING FIXTURES AS REQUIRED DURING DEMOLITION & CONSTRUCTION.
D20	EXISTING GYP. BD. CEILING TO BE REMOVED. REMOVE ALL DEVICES IN CEILING. REFER MEP DWGS.
D25	REMOVE EXISTING MIRRORS.

**DEMOLITION LEGEND**



2800 N Terminal Rd  
Houston, TX 77032

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

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structural engineers

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713.430.5800  
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
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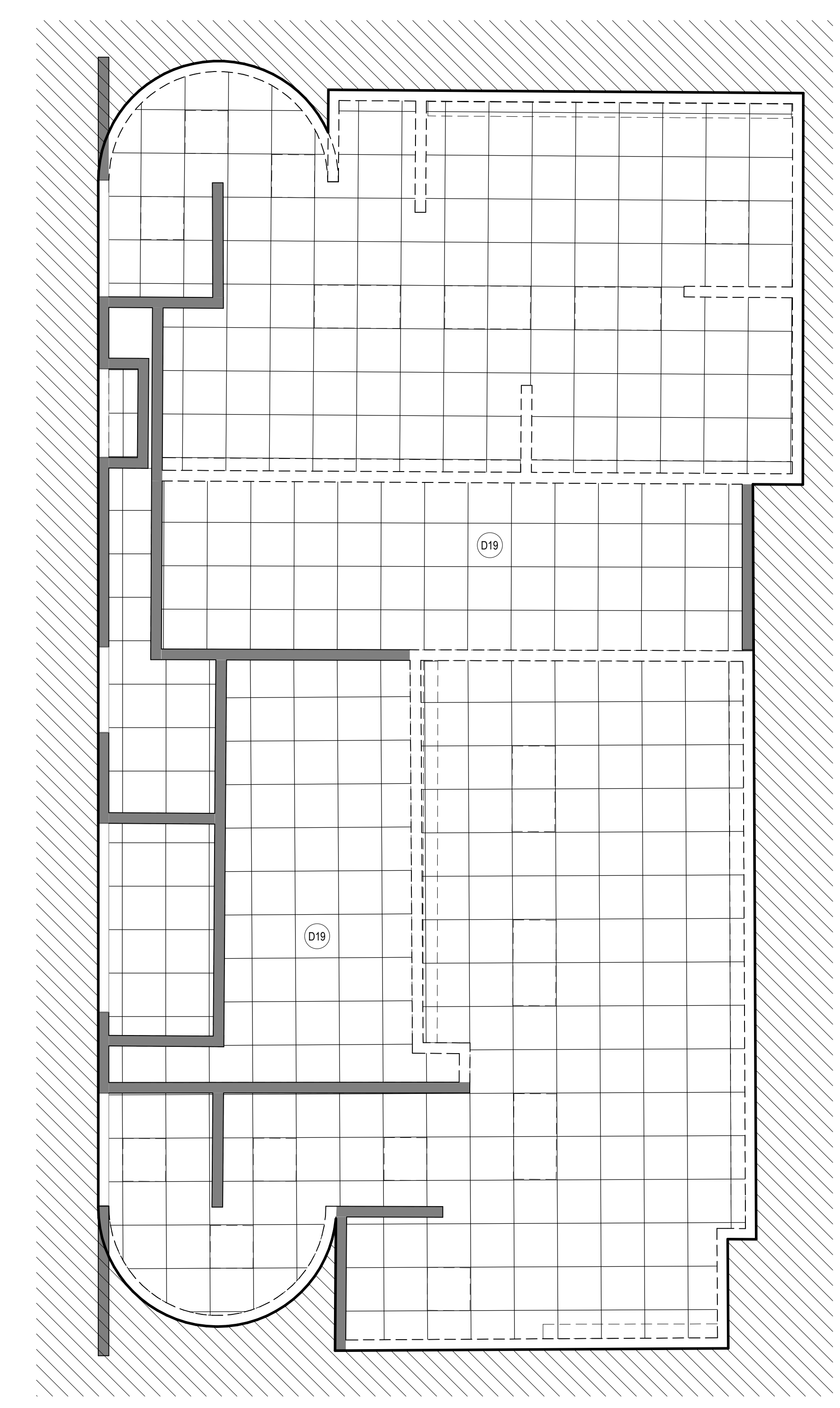
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HOUSTON AIRPORT SYSTEM

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

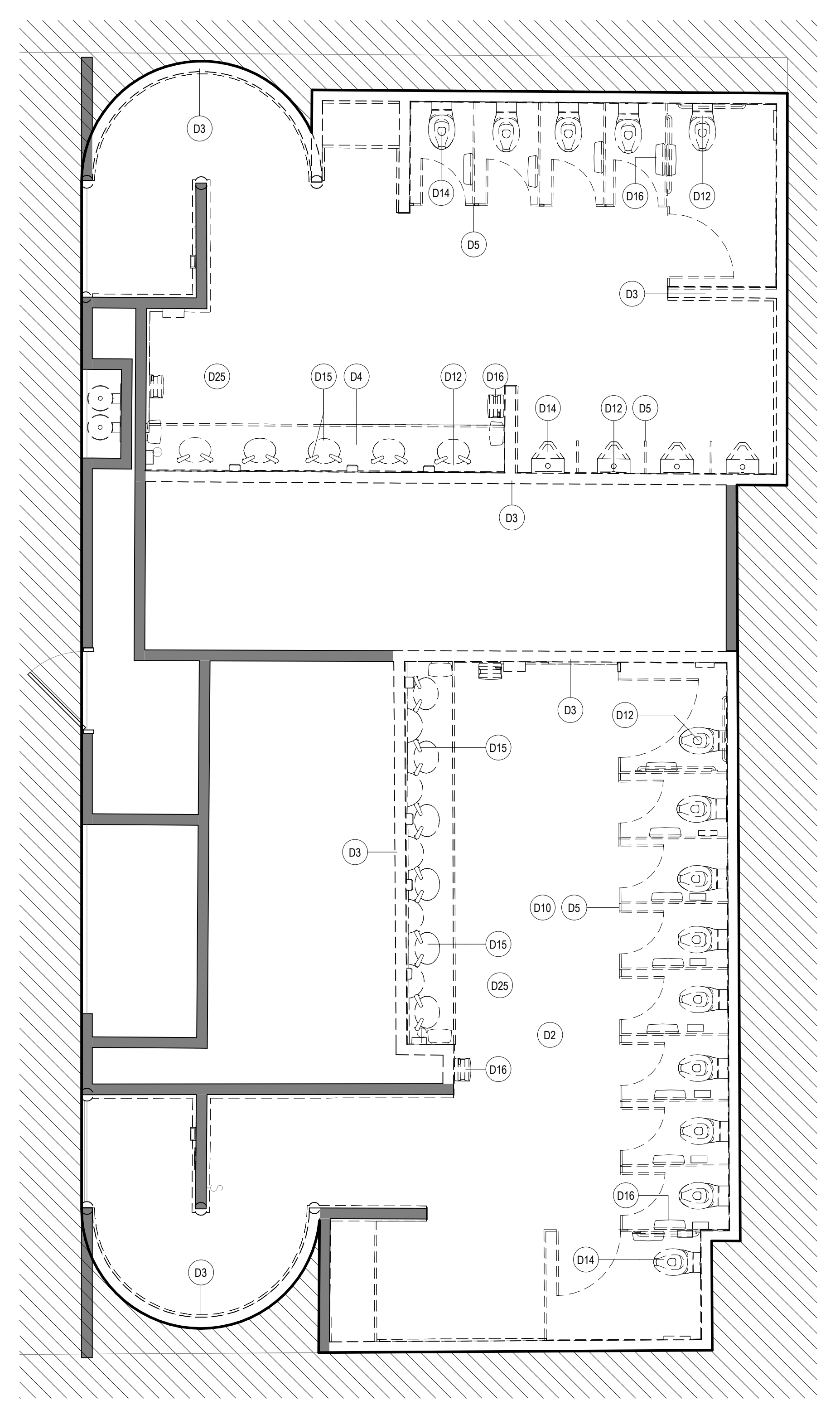
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SHEET No. AD-464 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26 Terminal A RR Refresh-Central.rvt  
HAS FILE:



**2 ENLARGED DEMO RCP RR 5 & 6**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 5 & 6**  
SCALE: 1/4" = 1'-0"

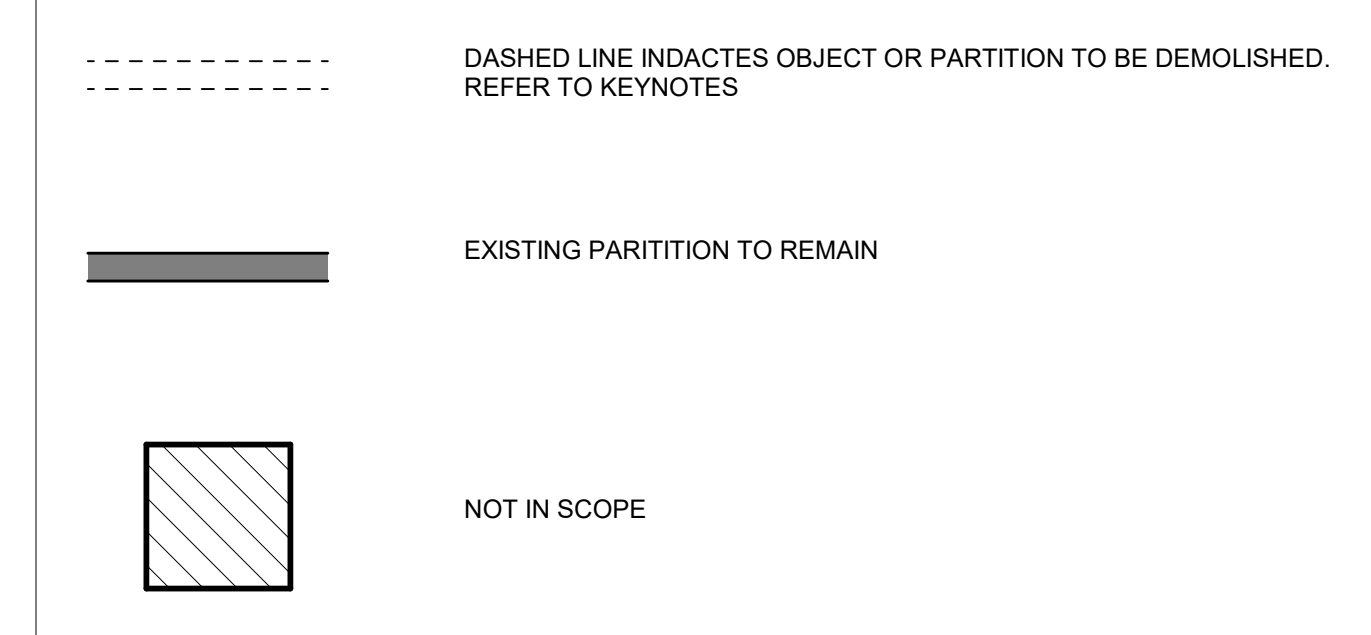
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**KEYNOTE LEGEND**

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D25	REMOVE EXISTING MIRRORS.

**DEMOLITION LEGEND**



**HOUSTON AIRPORTS**  
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C.O.H. No.      D.O.A. No.

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**HENDERSON ROGERS**  
structural engineers

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713.430.5800  
www.hendersonrogers.com

**PGA ENGINEERS, INC**

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

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of  
**HOUSTON AIRPORT SYSTEM**

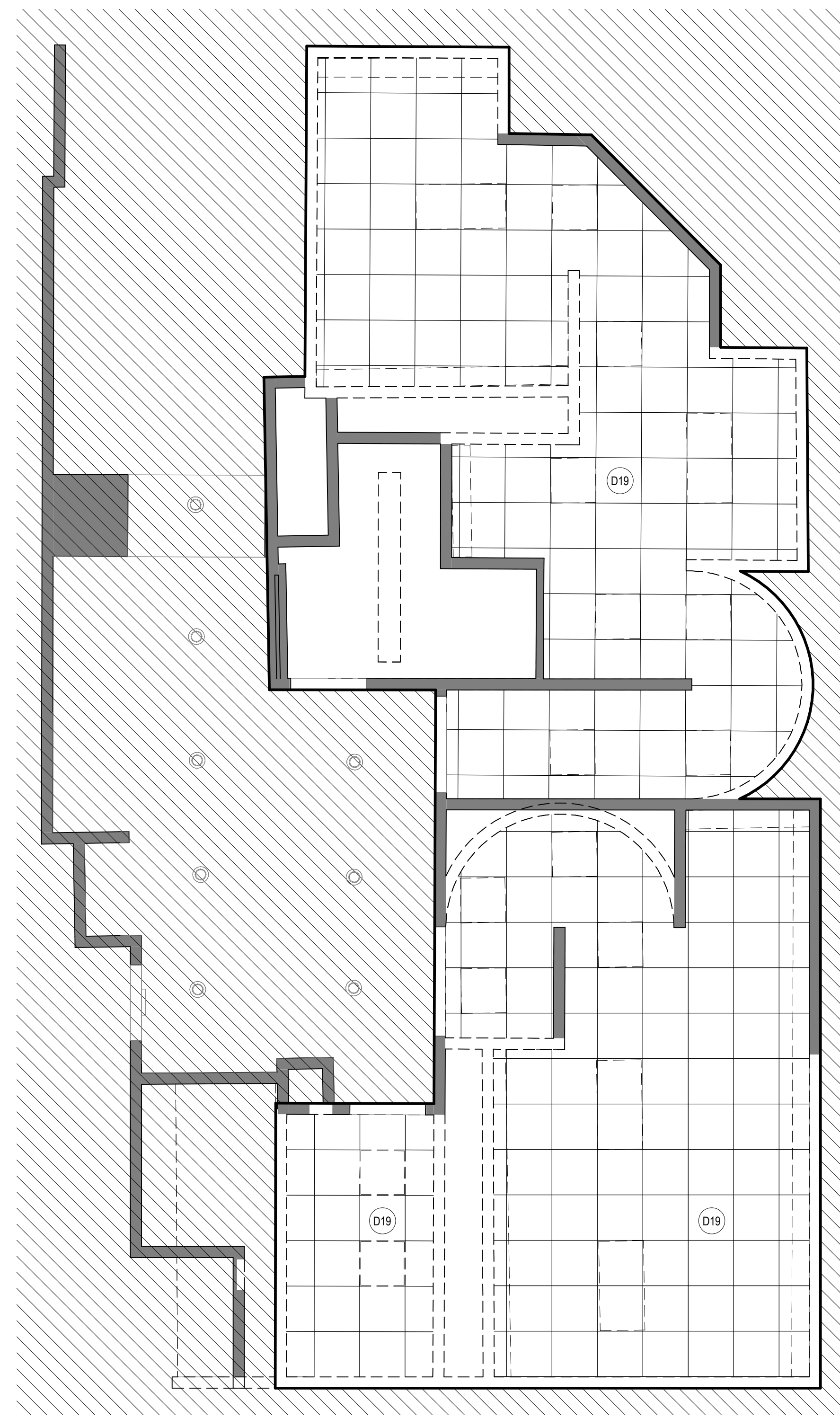
Review/Approval Category: **IFB**  
ISSUED FOR BIDDING

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SHEET No. AD-465 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

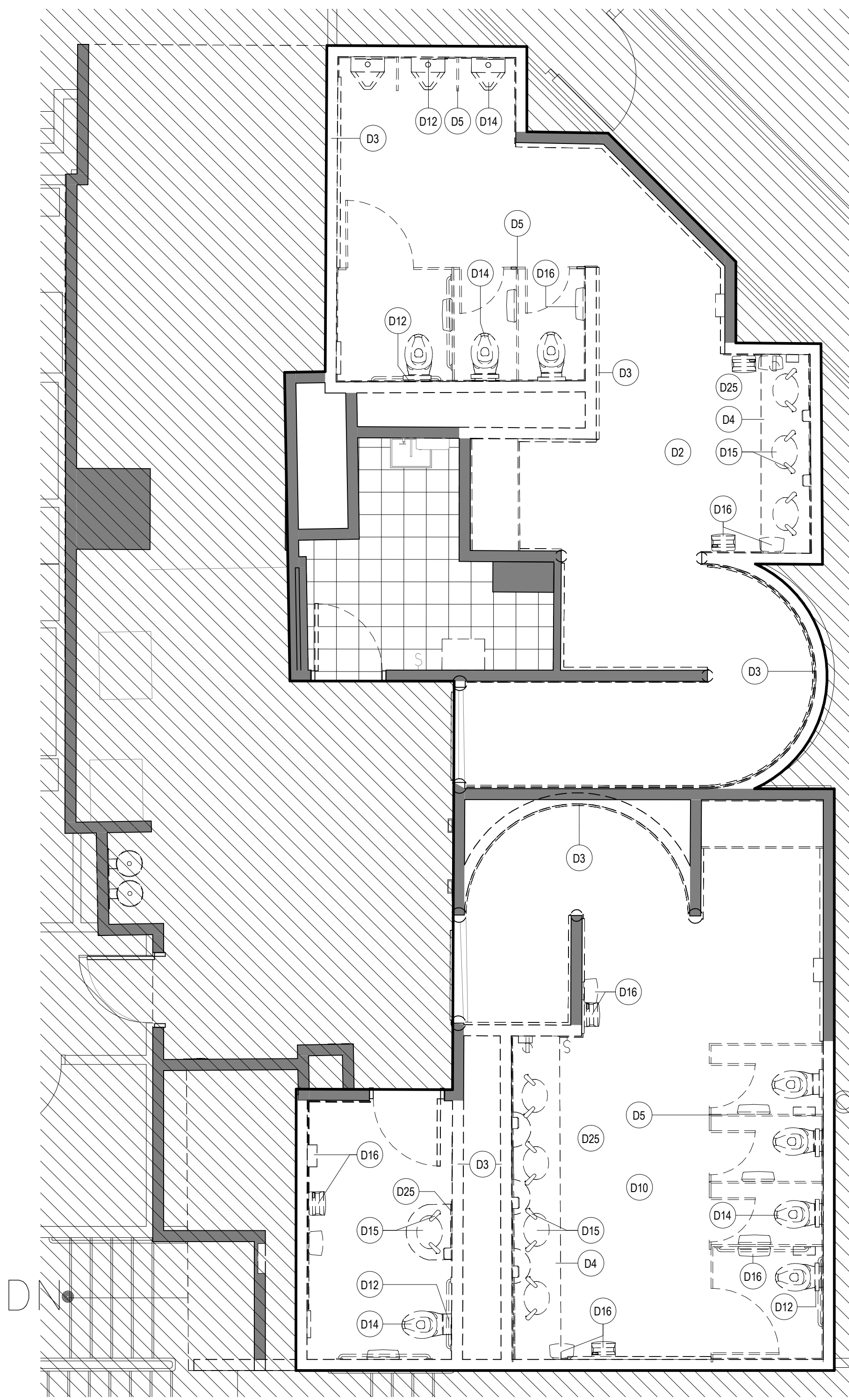
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DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:



**2 ENLARGED DEMO RCP RR 9 & 10**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 9 & 10**  
SCALE: 1/4" = 1'-0"

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**KEYNOTE LEGEND**

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D2	REMOVE ALL EXISTING FINISHES AS REQUIRED FOR NEW INSTALLATION OF TILES FINISH AND PREP AS REQUIRED FOR INSTALLATION OF TILES, ETC
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D25	REMOVE EXISTING MIRRORS.

**DEMOLITION LEGEND**

- DASHED LINE INDICATES OBJECT OR PARTITION TO BE DEMOLISHED. REFER TO KEYNOTES
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE

2800 N Terminal Rd  
Houston, TX 77032

**IAH TERMINAL A RESTROOMS REFRESH**

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

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**PGA ENGINEERS, INC.**

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

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**REVISIONS**

No.	DESCRIPTION	DATE	BY

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DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
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Review/Approval Category: **IFB**  
ISSUED FOR BIDDING

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SHEET NAME: DEMOLITION PLANS - RR 9 & 10

SHEET No. AD-467 SCALE: 1/4" = 1'-0"

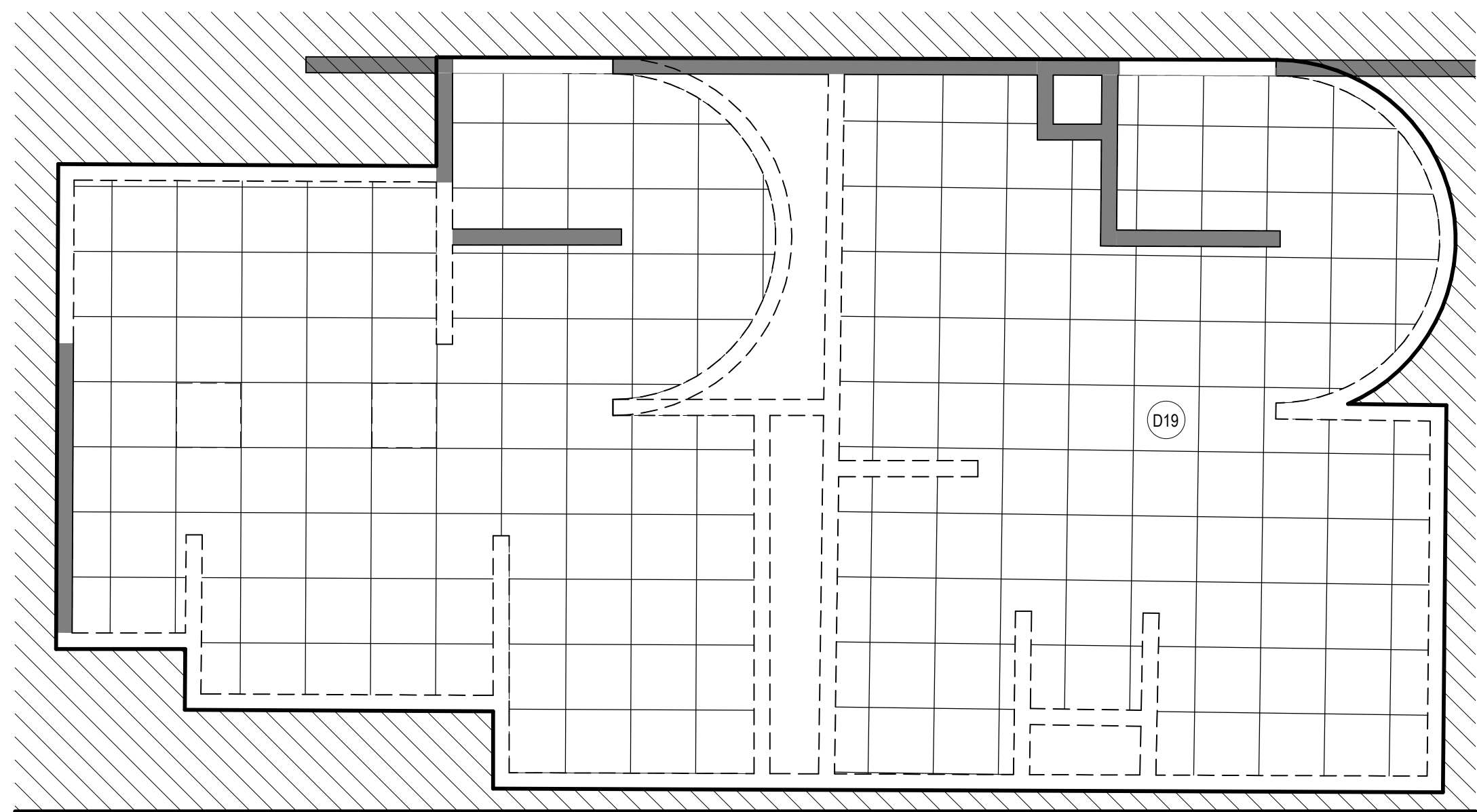
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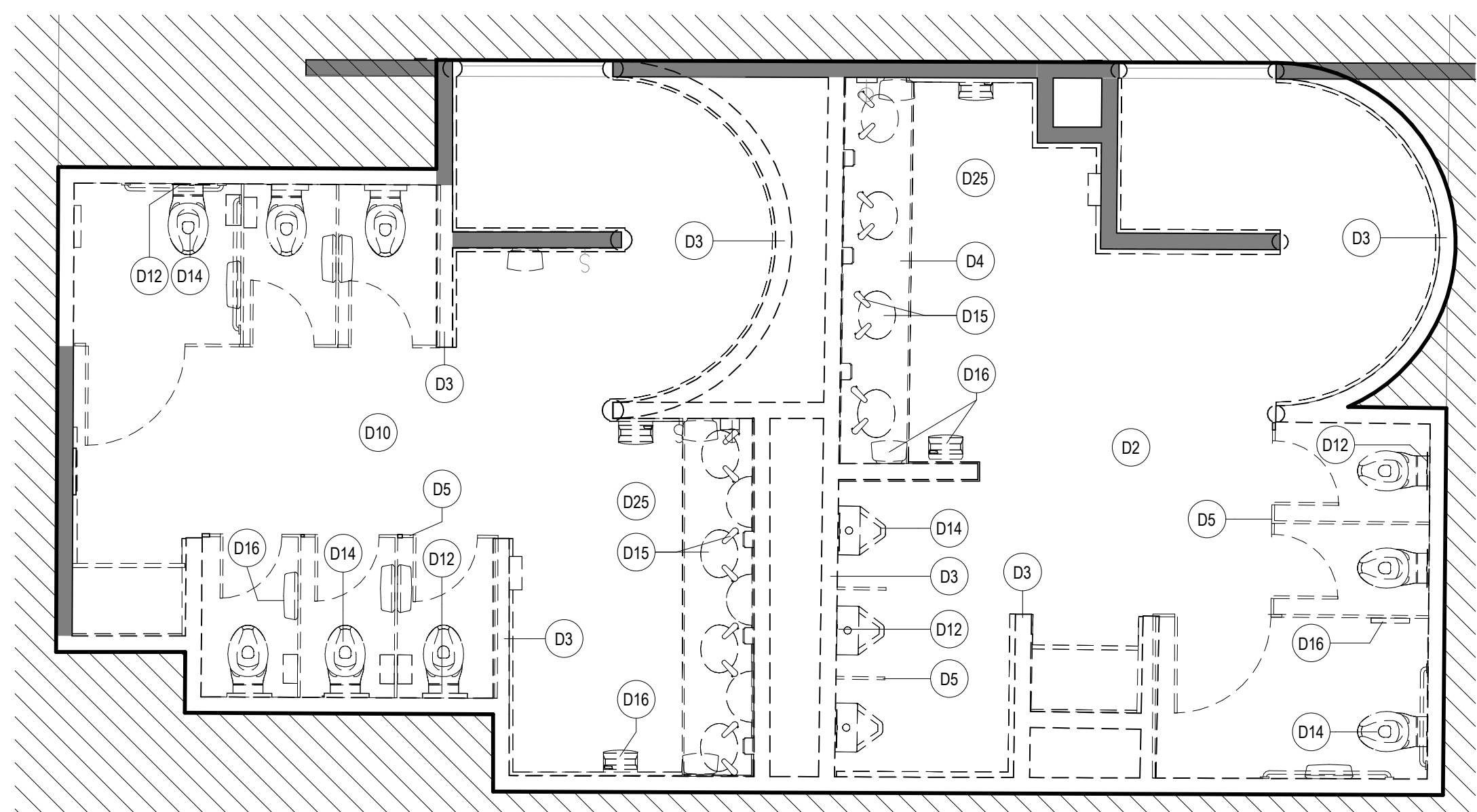
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DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:



**2 ENLARGED DEMO RCP RR 11 & 12**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 11 & 12**  
SCALE: 1/4" = 1'-0"

**DEMOLITION GENERAL NOTES**

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**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
D02	REMOVE ALL EXISTING FINISHES AS REQUIRED FOR NEW INSTALLATION OF TILES FINISH AND PREP AS REQUIRED FOR INSTALLATION OF TILES, ETC
D03	REMOVE EXISTING WALLS
D04	REMOVE EXISTING COUNTERTOP/SHELF AND FRAME SUPPORT.
D05	REMOVE EXISTING TOILET PARTITIONS AND URINAL DIVIDERS. TYP.
D10	REMOVE EXISTING FLOOR TILE AND PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE.
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DESIGNER PROJECT No.:  
PROJECT STATUS:

**IFB**

**REVISIONS**

No.	DESCRIPTION	DATE	BY

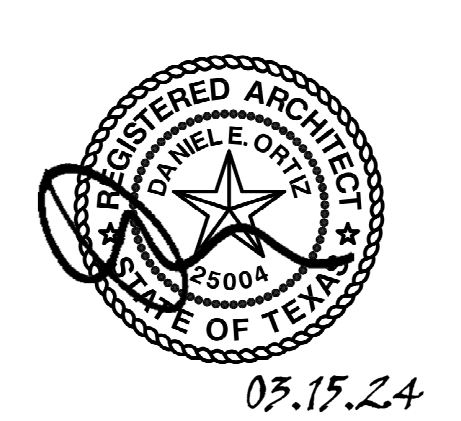
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Review/Approval Category

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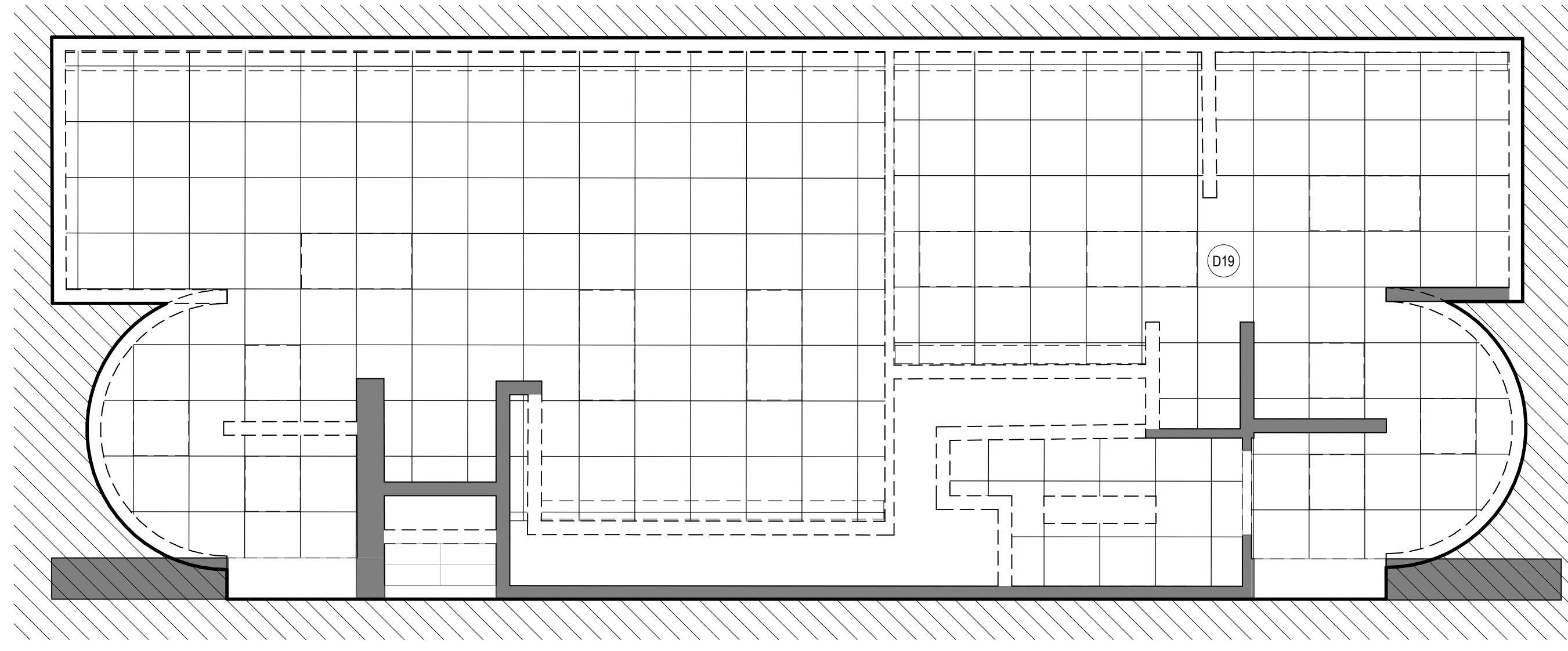
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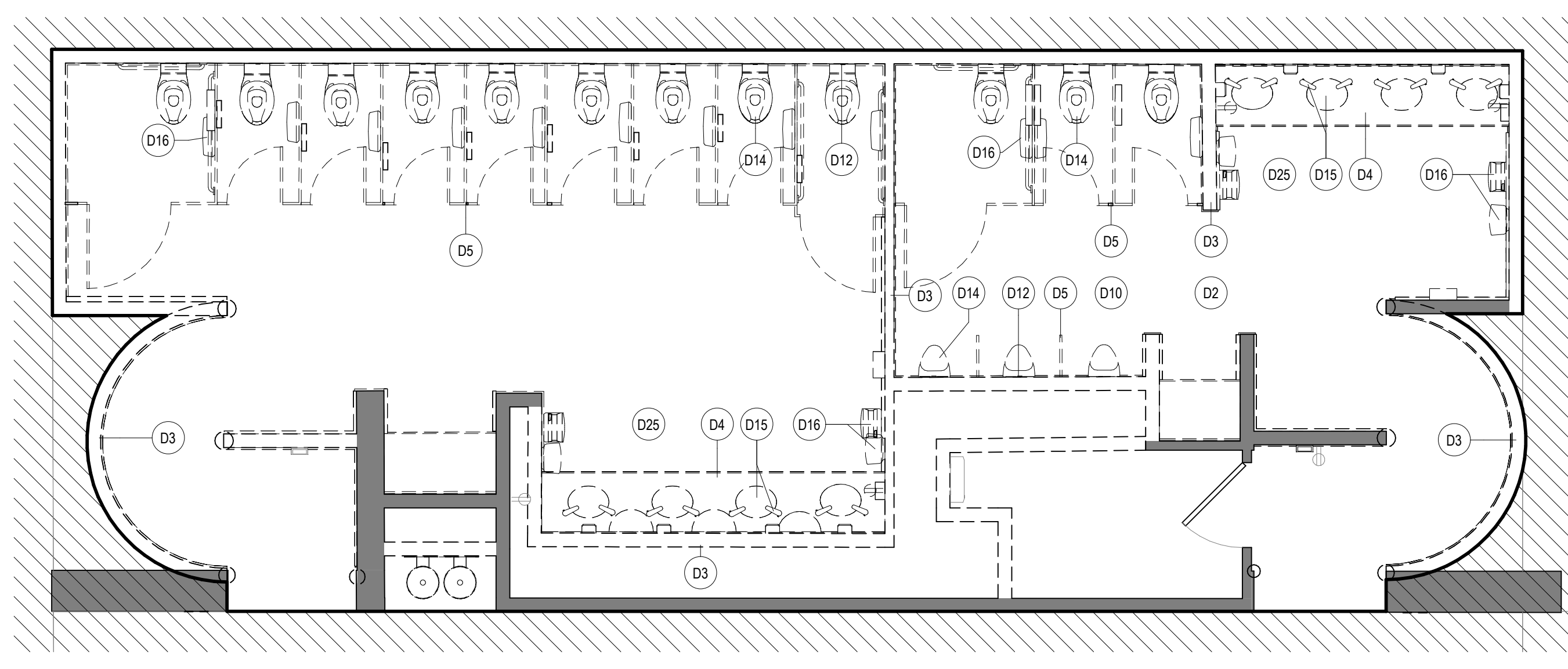
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**2 ENLARGED DEMO RCP RR 13 & 14**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 13 & 14**  
SCALE: 1/4" = 1'-0"

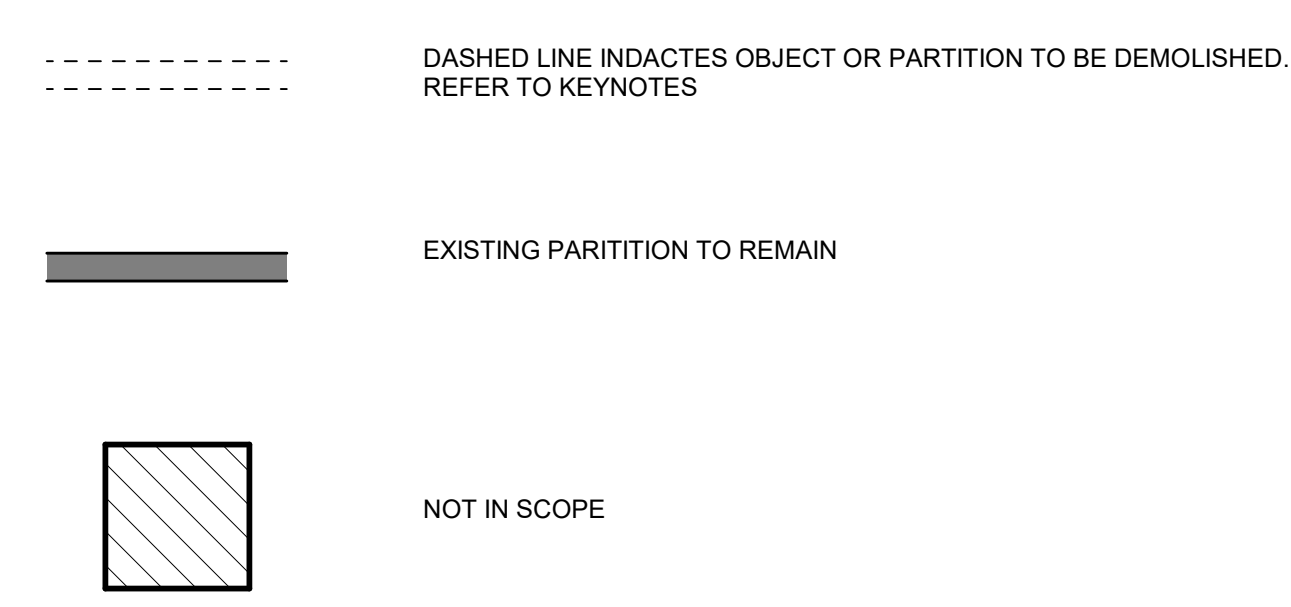
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**KEYNOTE LEGEND**

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**DEMOLITION LEGEND**



2800 N Terminal Rd  
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**IAH TERMINAL A RESTROOMS REFRESH**

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

**DIRECTOR**  
of  
**HOUSTON AIRPORT SYSTEM**

Review/Approval Category

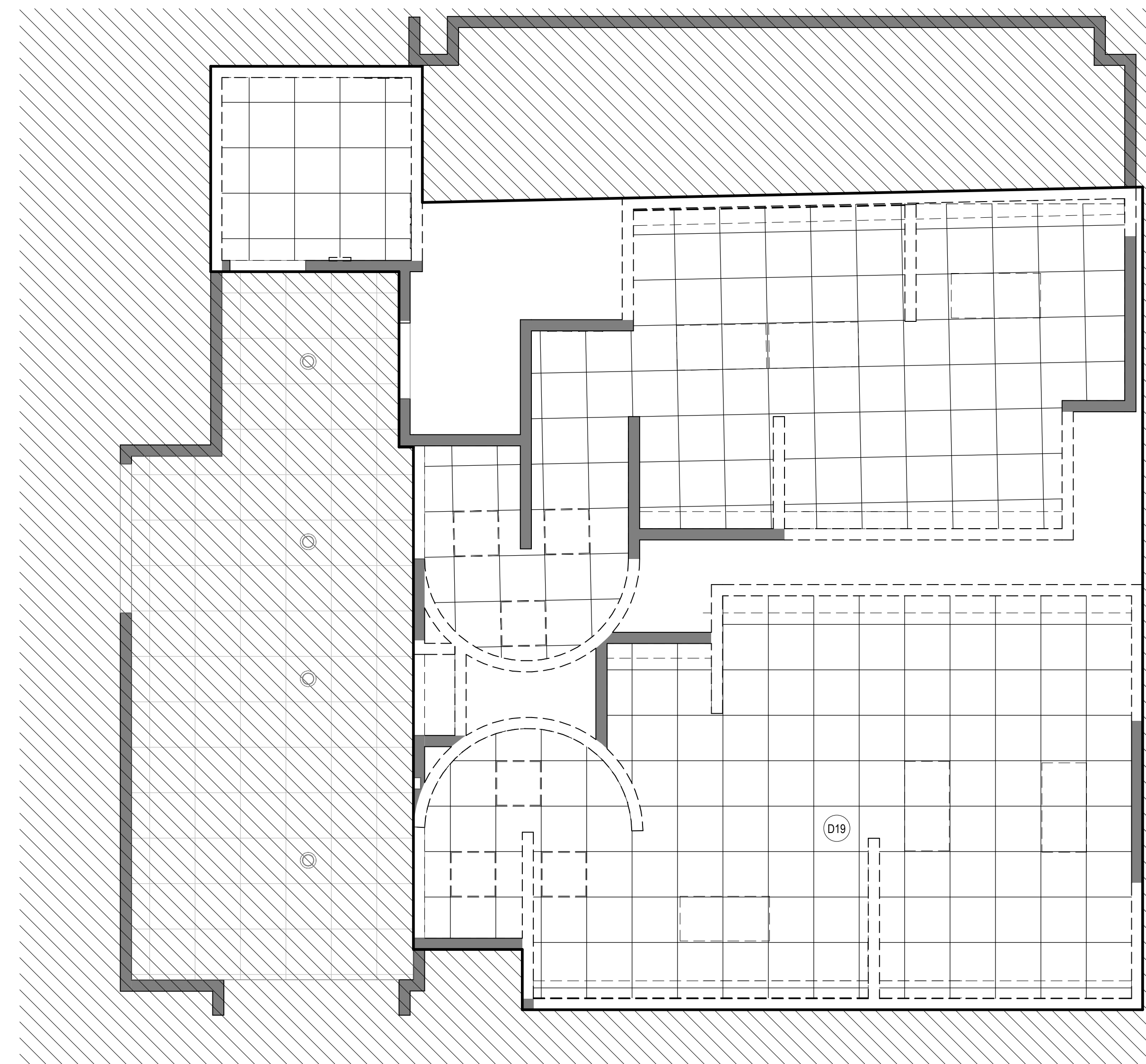
**IFB**  
ISSUED FOR BIDDING

SHEET NAME: DEMOLITION PLANS - RR 13 & 14  
SHEET No. AD-473 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

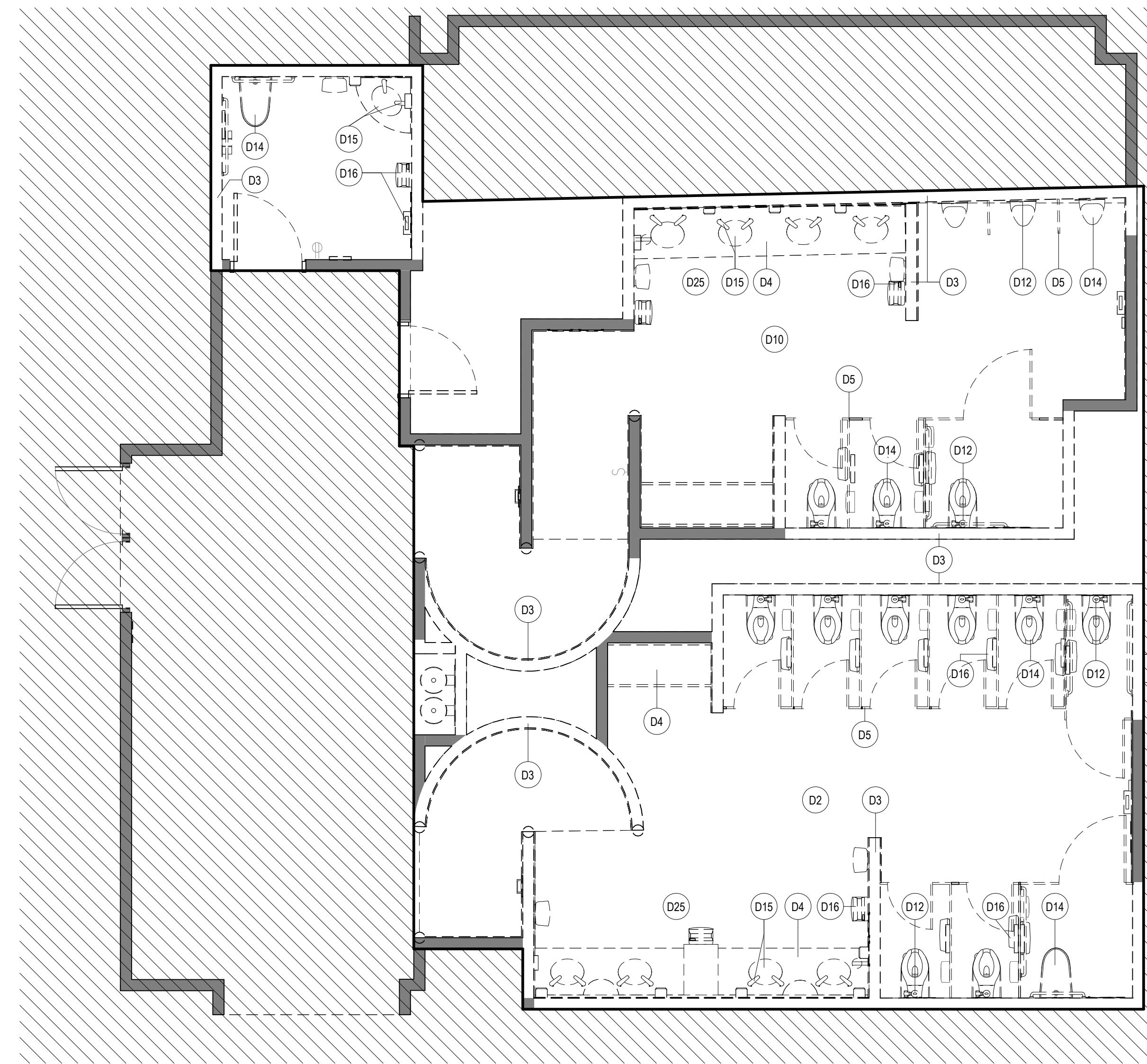
PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26 Terminal A RR Refresh-Central.rvt

HAS FILE:



**2 ENLARGED DEMO RCP RR 15 & 16**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 15 & 16**  
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, AND SHALL BE CONCEALED BEHIND NEW SCHEDULED PARTITION. EXISTING SURFACE MOUNTED POWER OUTLETS, DATA, AND THERMOSTATS. NOTED FOR REINSTALLATION, SHALL BE CONVERTED TO RECESSED WITHIN NEW PARTITION AND PROVIDED WITH A NEW FACE PLATE.
- ALL DOOR FRAMES AT EXISTING AND NEW WALLS TO RECEIVE DOUBLE STUDS AT JAMBS & BOX HEADERS AT HEAD CONDITIONS. VERIFY ROUGH OPENINGS REQUIRED.
- OWNER/HAS HAS FIRST RIGHT OF SALVAGE.
- ALL EXISTING FINISHES TO BE REMOVED AND REMAINING SURFACES TO BE REPAIRED AND PREPPED FOR NEW FINISHES.
- ALL EXISTING EQUIPMENT HOSTED IN ACOUSTICAL CEILING TILE TO BE REMOVED AND SALVAGED FOR REINSTALLATION, U.N.C.
- ALL CEILING MOUNTED FIRE ALARM HORN & STROBE TO BE PROTECTED DURING CONSTRUCTION.
- ALL SMART RESTROOM TECHNOLOGY IS TO BE HANDED OVER TO HAS IT TERMINAL SERVICES GROUP. CONTRACTOR TO COORDINATE WITH HAS IT DIRECTLY TO HAND OVER REMOVED SMART RESTROOM DEVICES DURING DEMO AND TO RECEIVE THE SMART RESTROOM DEVICES FOR INSTALLATION PHASE OF THIS PROJECT.
- CONTRACTOR TO SUBMIT TEMPORARY PROTECTION LAYOUT FOR APPROVAL BEFORE STARTING INSTALLATION.
- 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.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
D02	REMOVE ALL EXISTING FINISHES AS REQUIRED FOR NEW INSTALLATION OF TILES FINISH AND PREP AS REQUIRED FOR INSTALLATION OF TILES, ETC
D03	REMOVE EXISTING WALLS
D04	REMOVE EXISTING COUNTERTOP/SHELF AND FRAME SUPPORT.
D05	REMOVE EXISTING TOILET PARTITIONS AND URINAL DIVIDERS. TYP.
D10	REMOVE EXISTING FLOOR TILE AND PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE.
D12	EXISTING PLUMBING FIXTURES AND STEEL SUPPORT TO BE REMOVED PLUMBING LINES TO BE PREPARED/RELOCATED FOR NEW WORK. REFER MEP DRAWINGS. TYP.
D14	REMOVE ALL EXISTING WATER CLOSET/URNALS. TYPICAL IN ALL ROOM.
D15	REMOVE EXISTING LAVATORY SINKS & FAUCETS. TYPICAL IN ALL ROOM.
D16	REMOVE EXISTING TOILET ACCESSORIES. TYPICAL IN ALL ROOM.
D19	REMOVE EXISTING CEILING TILE. EXISTING FRAME TO REMAIN. PROTECT THE CEILING FIXTURES AS REQUIRED DURING DEMOLITION & CONSTRUCTION.
D25	REMOVE EXISTING MIRRORS.

**DEMOLITION LEGEND**

- DASHED LINE INDICATES OBJECT OR PARTITION TO BE DEMOLISHED. REFER TO KEYNOTES
- EXISTING PARTITION TO REMAIN
- NOT IN SCOPE



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**IAH TERMINAL A RESTROOMS  
REFRESH**

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PROJECT STATUS:

**IFB**

**REVISIONS**

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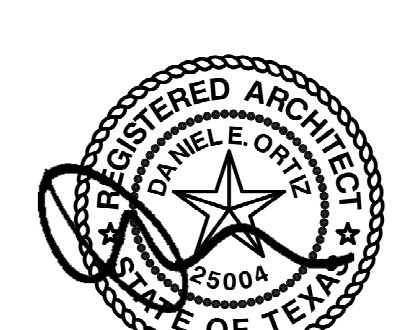
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SHEET NAME: DEMOLITION PLANS - RR 15 & 16

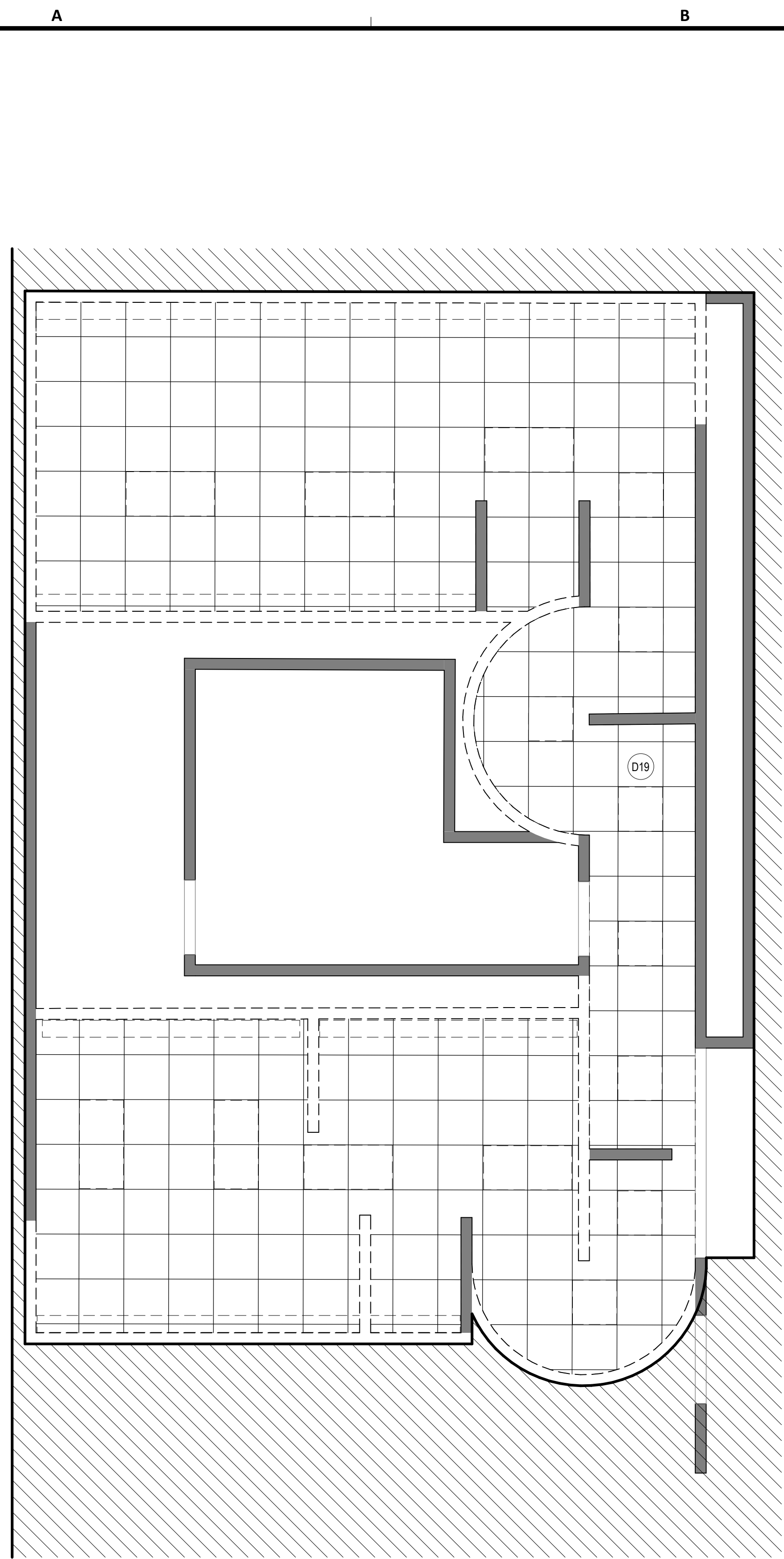
SHEET No. AD-475 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

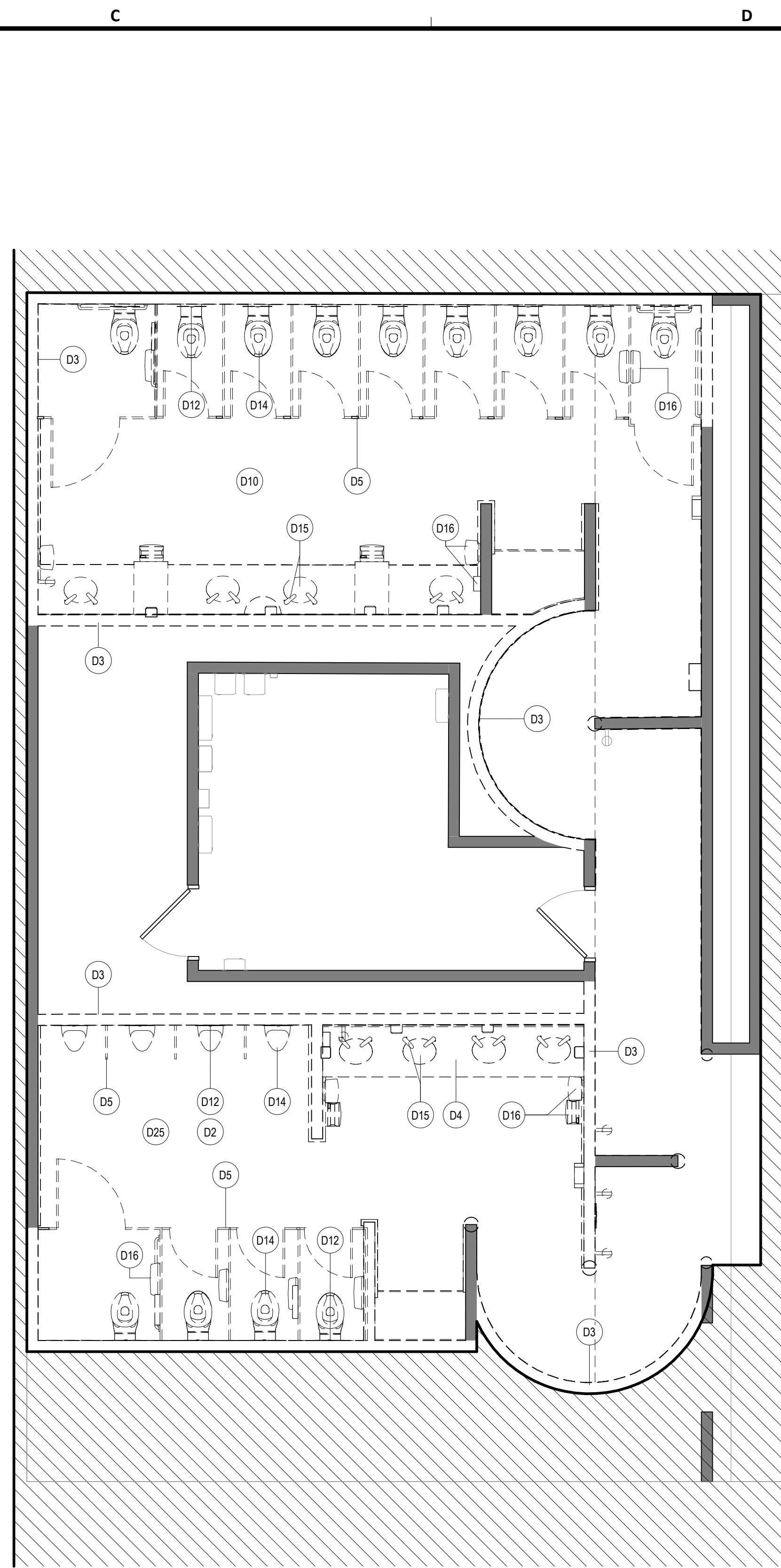
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DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26 Terminal A RR Refresh-Central.rvt

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**2 ENLARGED DEMO RCP RR 17 & 18**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN RR 17 & 18**  
SCALE: 1/4" = 1'-0"

**DEMOLITION GENERAL NOTES**

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**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
D2	REMOVE ALL EXISTING FINISHES AS REQUIRED FOR NEW INSTALLATION OF TILES FINISH AND PREP AS REQUIRED FOR INSTALLATION OF TILES, ETC
D3	REMOVE EXISTING WALLS
D4	REMOVE EXISTING COUNTERTOP/SHELF AND FRAME SUPPORT.
D5	REMOVE EXISTING TOILET PARTITIONS AND URINAL DIVIDERS. TYP.
D10	REMOVE EXISTING FLOOR TILE AND PREPARE SLAB FOR INSTALLATION OF NEW PORCELAIN TILE.
D12	EXISTING PLUMBING FIXTURES AND STEEL SUPPORT TO BE REMOVED. PLUMBING LINES TO BE PREPARED/RELOCATED FOR NEW WORK. REFER MEP DRAWINGS. TYP.
D14	REMOVE ALL EXISTING WATER CLOSET/URNALS. TYPICAL IN ALL ROOM.
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D19	REMOVE EXISTING CEILING TILE. EXISTING FRAME TO REMAIN. PROTECT THE CEILING FIXTURES AS REQUIRED DURING DEMOLITION & CONSTRUCTION.
D25	REMOVE EXISTING MIRRORS.

**DEMOLITION LEGEND**

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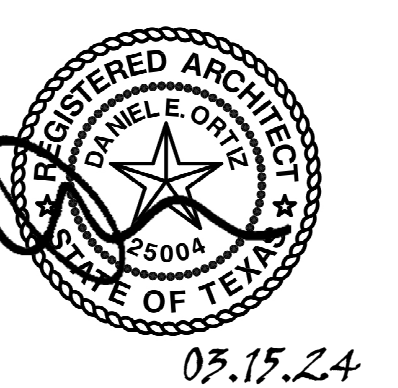
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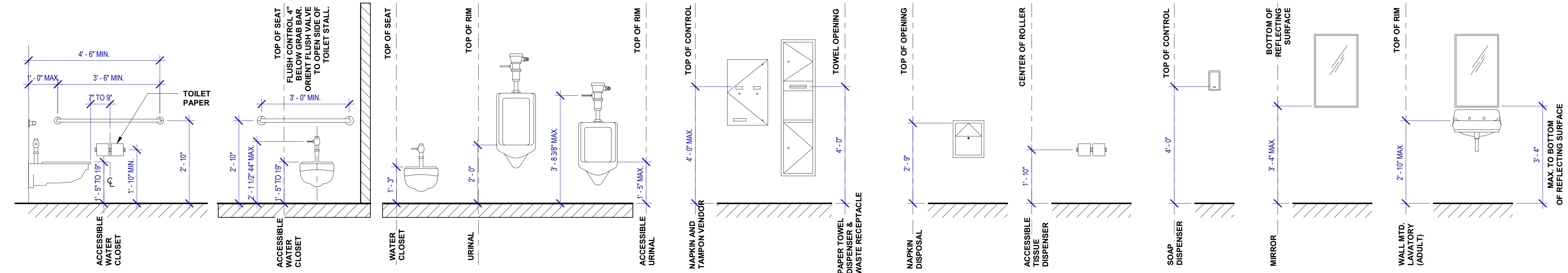
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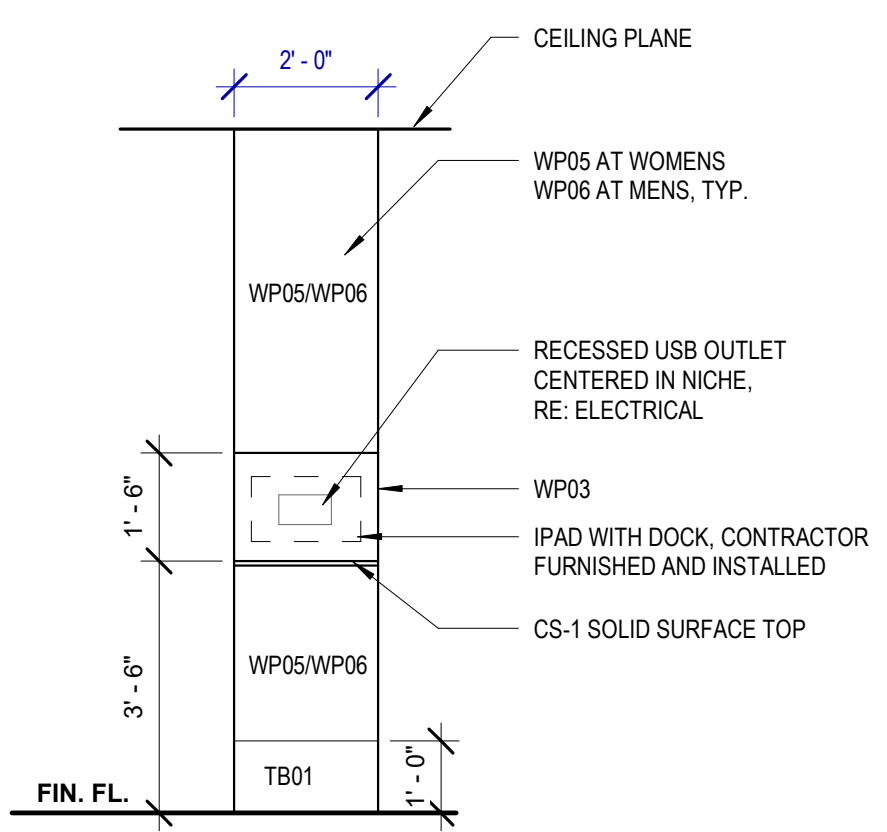
SHEET NAME: DEMOLITION PLANS - RR 17 & 18

SHEET No. AD-477 SCALE: 1/4" = 1'-0"

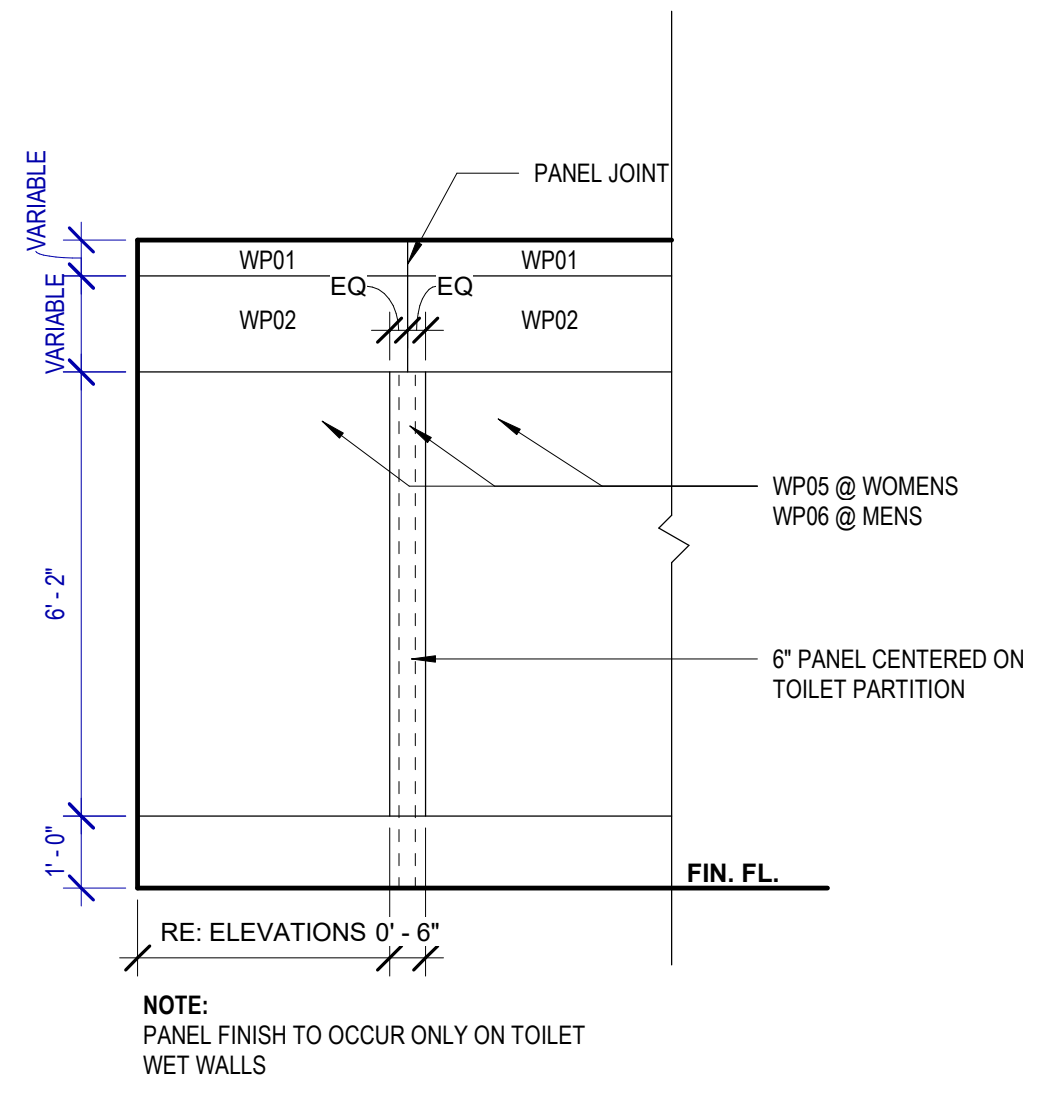
SHEET SIZE: 30"x42" ARCH E1



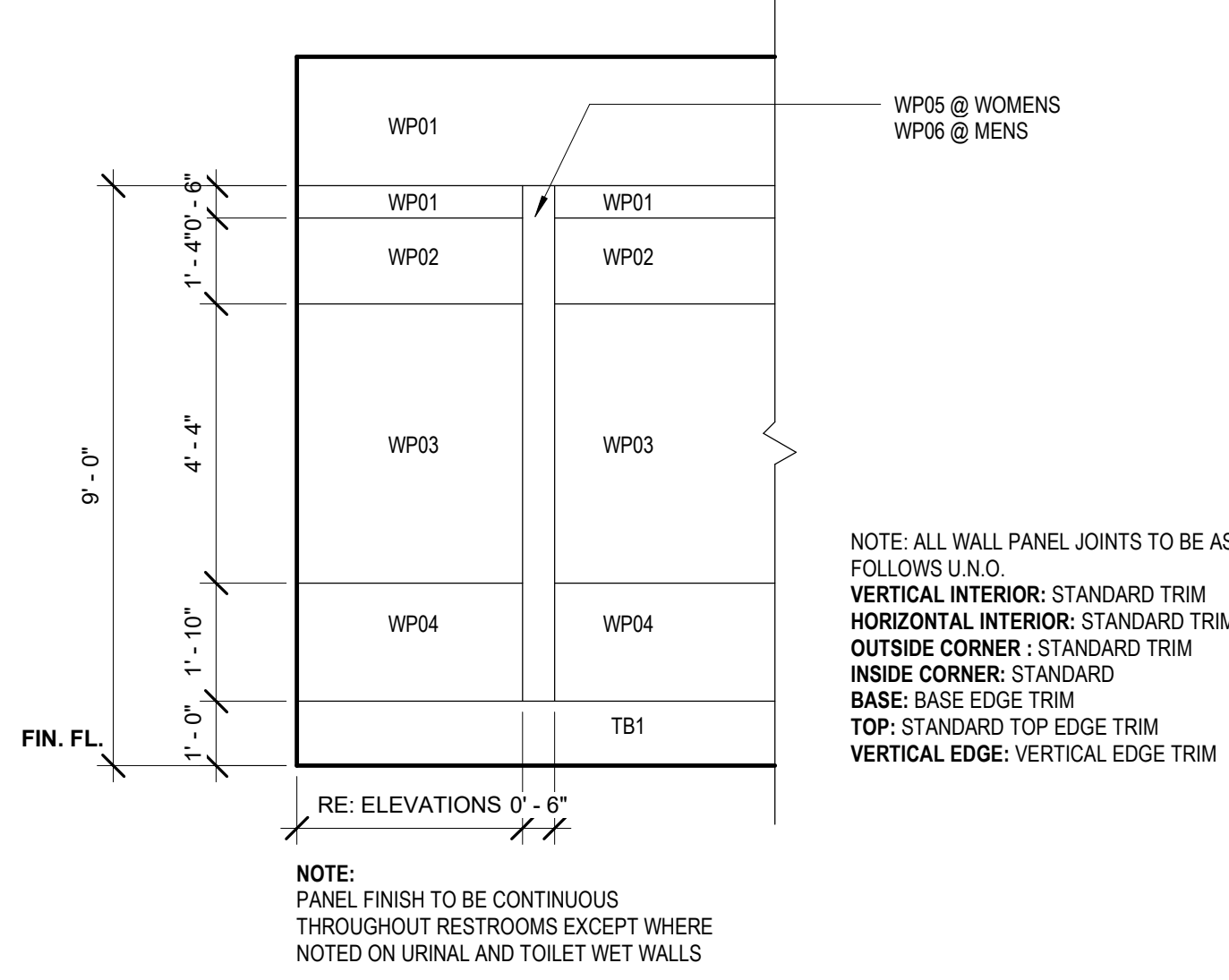
**1 ADA MOUNTING LOCATIONS - RESTROOMS**  
SCALE: 1/2" = 1'-0"



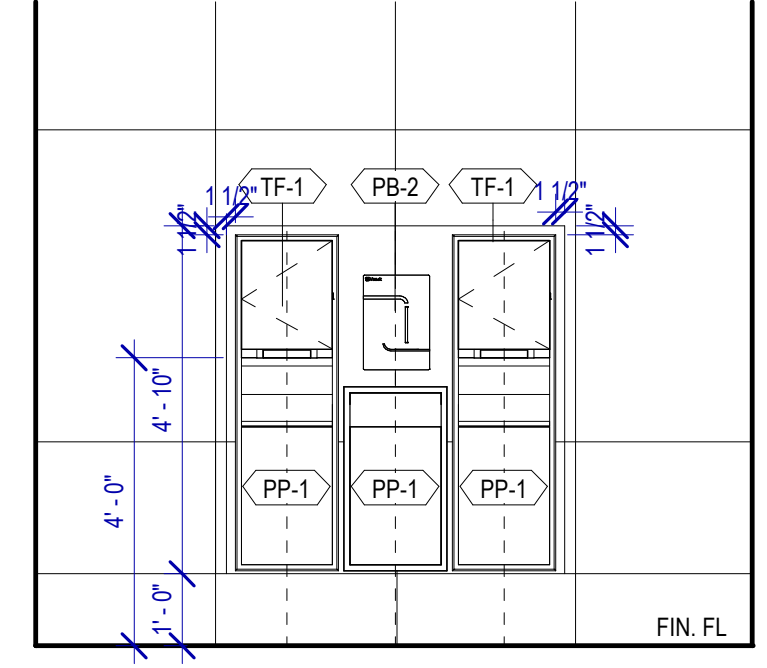
**2 ELEVATION @ TYP. CUSTOMER IPAD DOCKING**  
SCALE: 3/8" = 1'-0"



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



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



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



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**IAH TERMINAL A RESTROOMS  
REFRESH**

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SHEET NAME:  
TYPICAL PLANS & ELEVATIONS

SHEET No. A-421 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

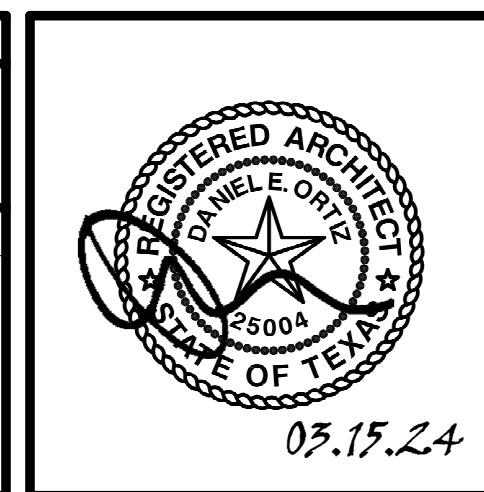
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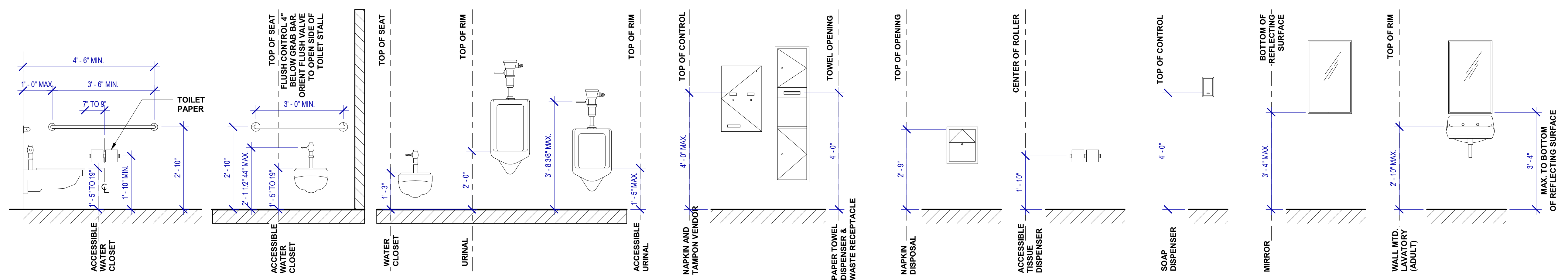


SHEET NAME:  
TYPICAL STALLS PLANS & ELEVATIONS

SHEET No. A-422 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

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



**B2 TYP. ADA STALL ELEVATION - B**  
SCALE: 3/8" = 1'-0"

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

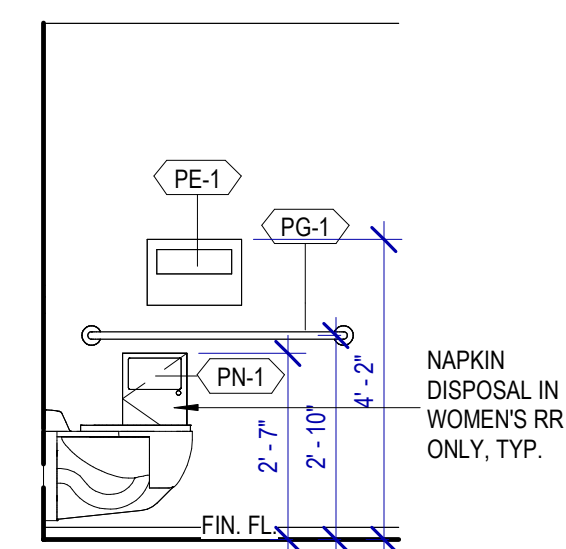
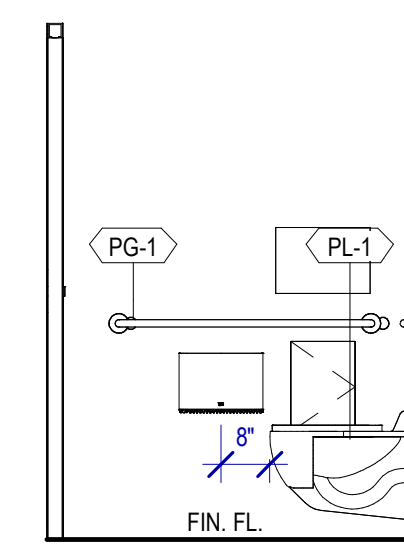
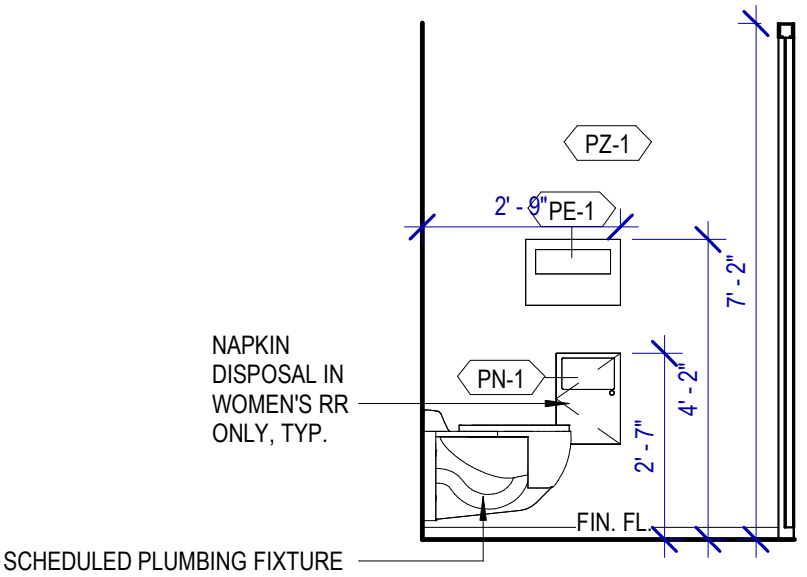
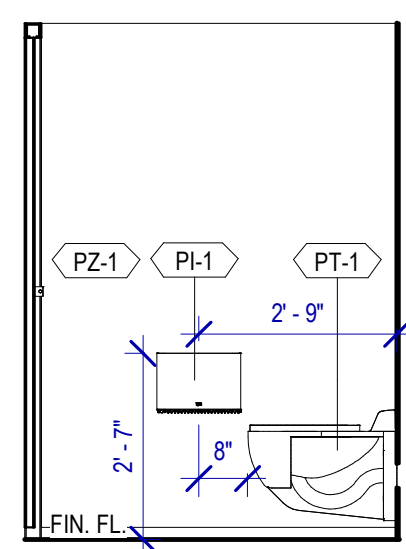
**D2 TYP. TOILET STALL ENLARGED FLOOR PLANS**  
SCALE: 1/2" = 1'-0"

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

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

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

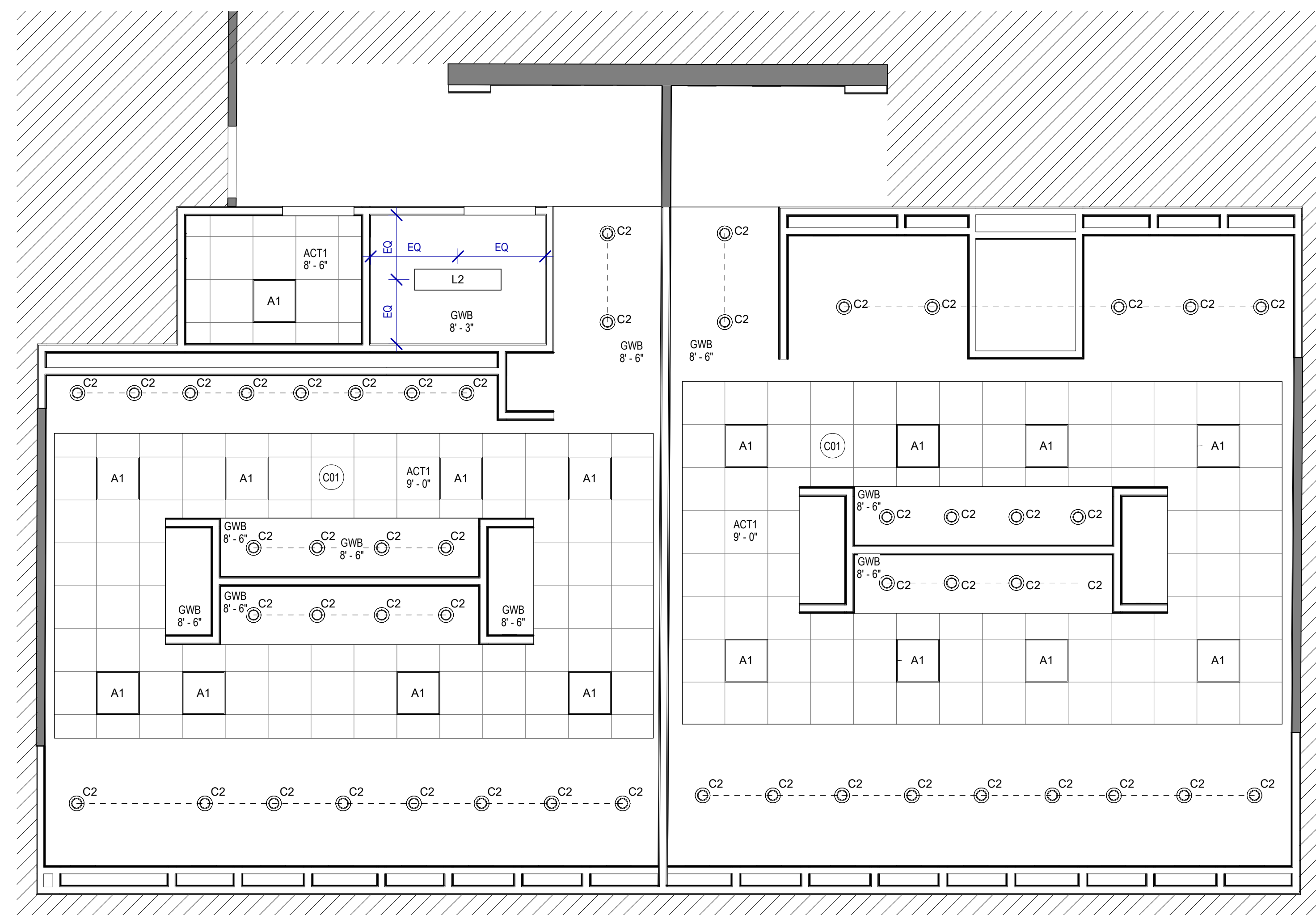
**D1 TYP. AMBULATORY STALL ELEVATION - A**  
SCALE: 3/8" = 1'-0"



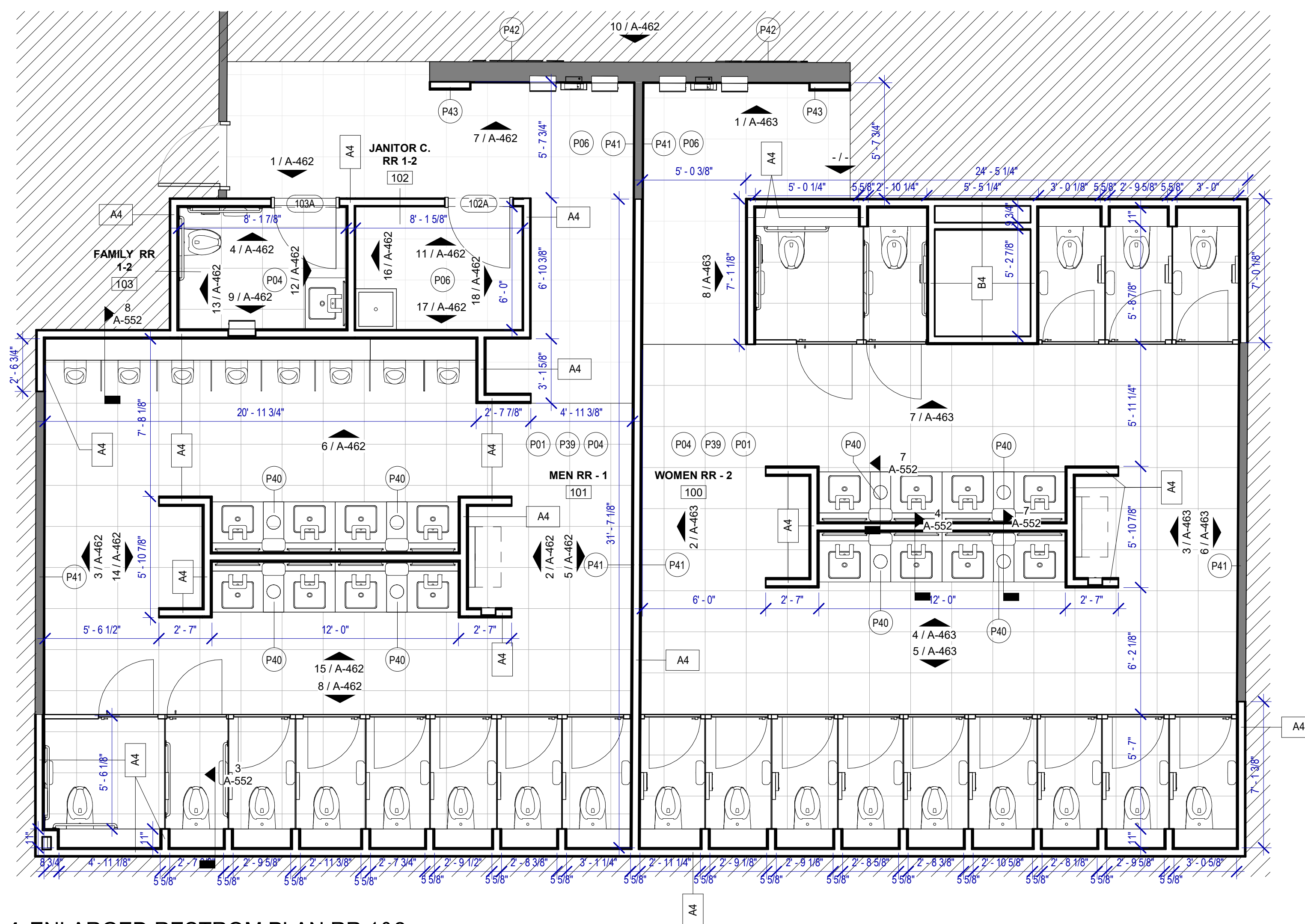
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:

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



**2 ENLARGED RCP RR 1&2**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED RESTROM PLAN RR 1&2**  
SCALE: 1/4" = 1'-0"

**FLOOR PLAN GENERAL NOTES**

1. PATCH, REPAIR & REFINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

**KEYNOTE LEGEND**

KEYNOTE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACED IN THE ORIGINAL LOCATION
P01	NEW TOILETS AND URINALS TO BE INSTALLED IN THE EXISTING LOCATION, IF NOT OTHERWISE SPECIFIED
P04	DALTILE PORTFOLIO 24"x24" CHARCOAL - FLOOR
P06	DALTILE PORTFOLIO 24"x24" ICE WHITE - FLOOR
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
P40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE. TYP. FOR LAVATORIES STATIONS
P41	NEW PHOTO MURAL. REFER TO ELEVATION
P42	NEW RESTROOM SIGNAGE. REFER TO ELEVATION
P43	CUSTOMER SERVICE IPAD DOCKING STATION. REF. TO TYP. ELEVATION



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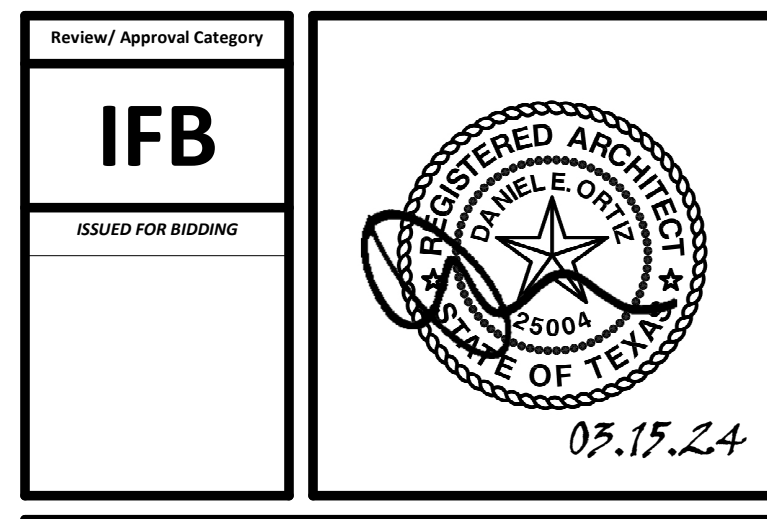
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SHEET NAME: RR 1 & 2 - PLANS & RCP  
SHEET No. A-461 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: DOA DWG FILE: DOA DOA No.: PLOT DATE: FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt HAS FILE:





**TOILET ACCESSORIES**

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
- PC-6 ASTOR BANNERMAN A2B CEILING HOIST & H-TRACK, MOUNTED W/ WALLBRACKETS
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR DUO
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPT STOOL SNW-SS 975B
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRISLINGTON COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET3LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 6642 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 COUCH/ WIDE PAPER TOWEL ROLL TORK OR EQ.
- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PW-2 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
- PL-2 ADJUSTABLE HEIGHT WASH BASIN
- PT-1 TOTO WALL MOUNTED TOILET C1708BVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PS-1 SHOWER COLUMN
- PY-1 ZURN MOP SINK 1996-24

DESIGNER PROJECT No.:  
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**REVISIONS**

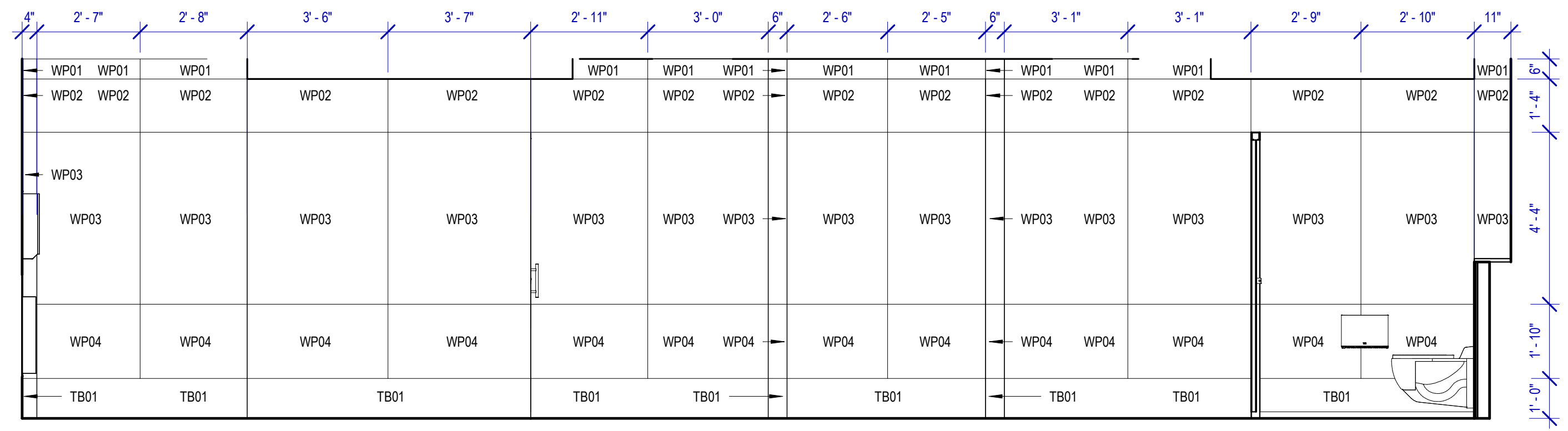
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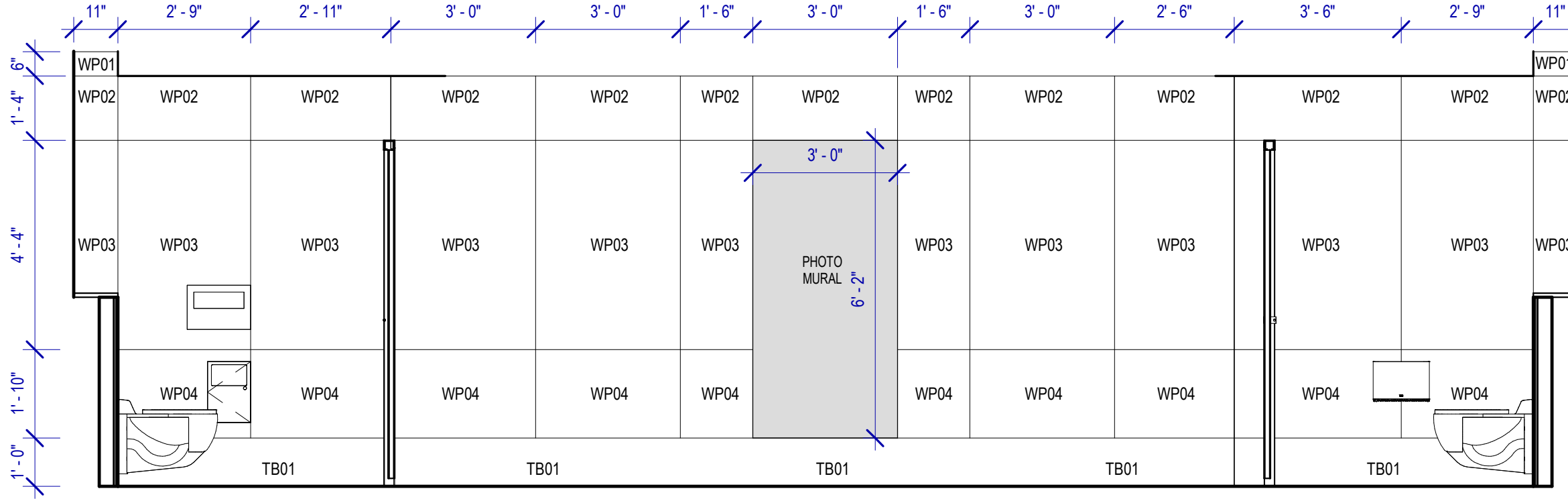
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**IFB**  
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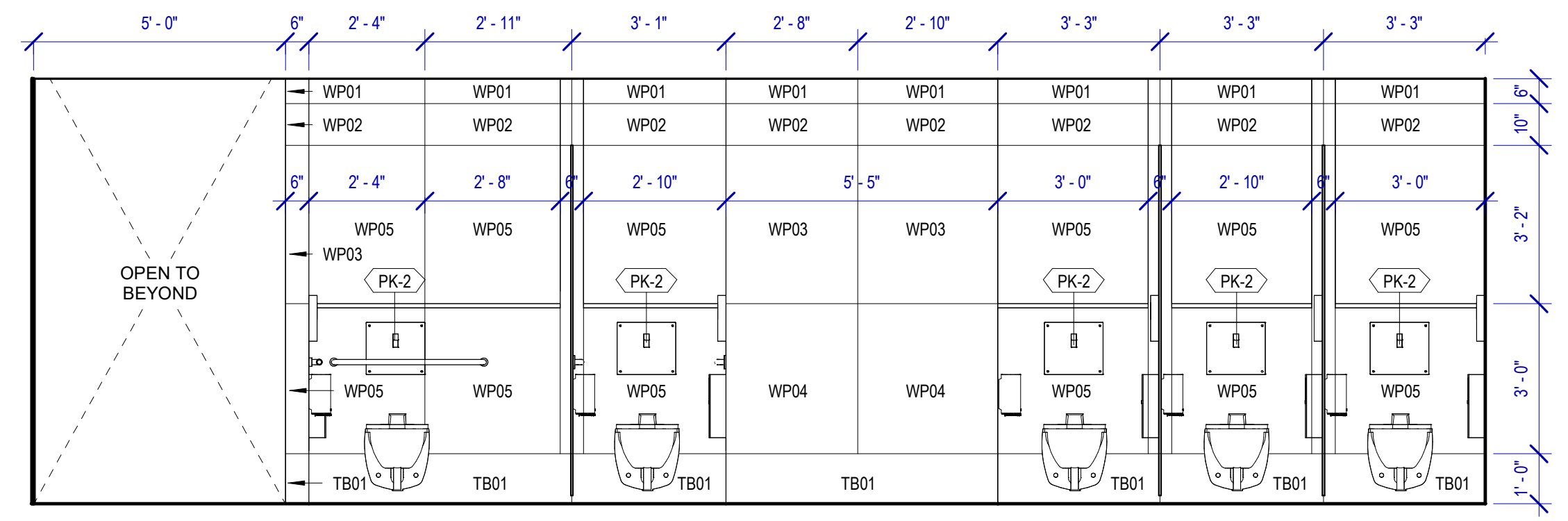
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SHEET No. A-463 SCALE: As indicated  
SHEET SIZE: 30"x42" ARCH E1



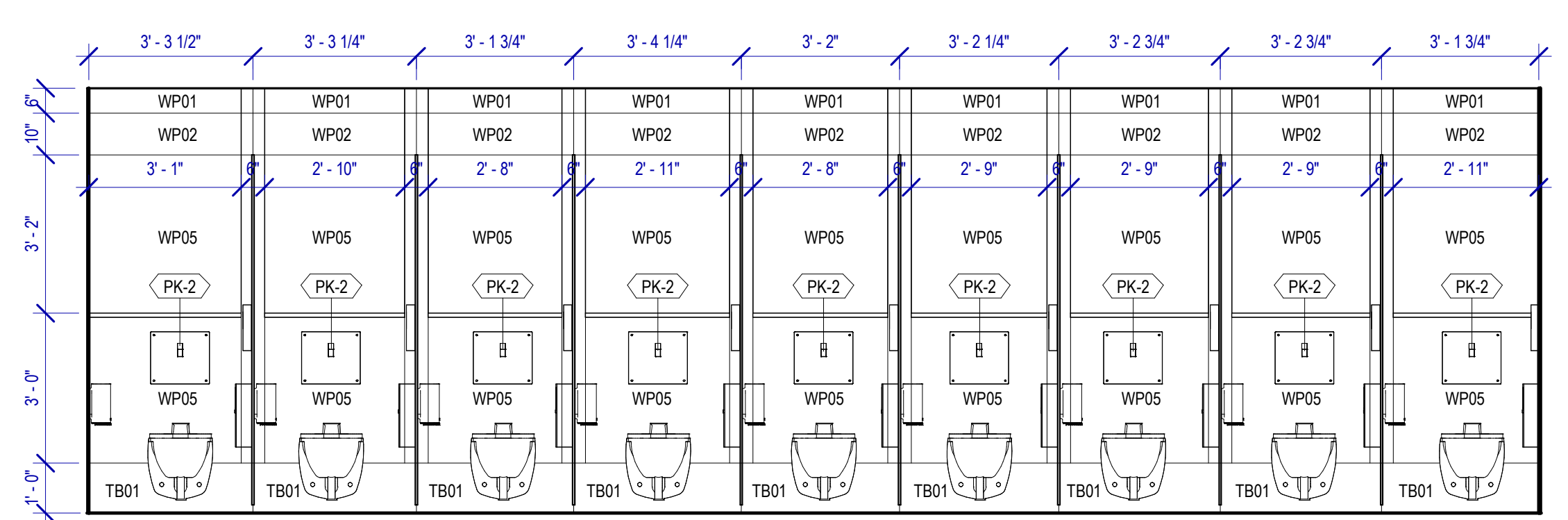
**8 WOMEN RR 1&2 ELEVATION-8**  
SCALE: 3/8" = 1'-0"



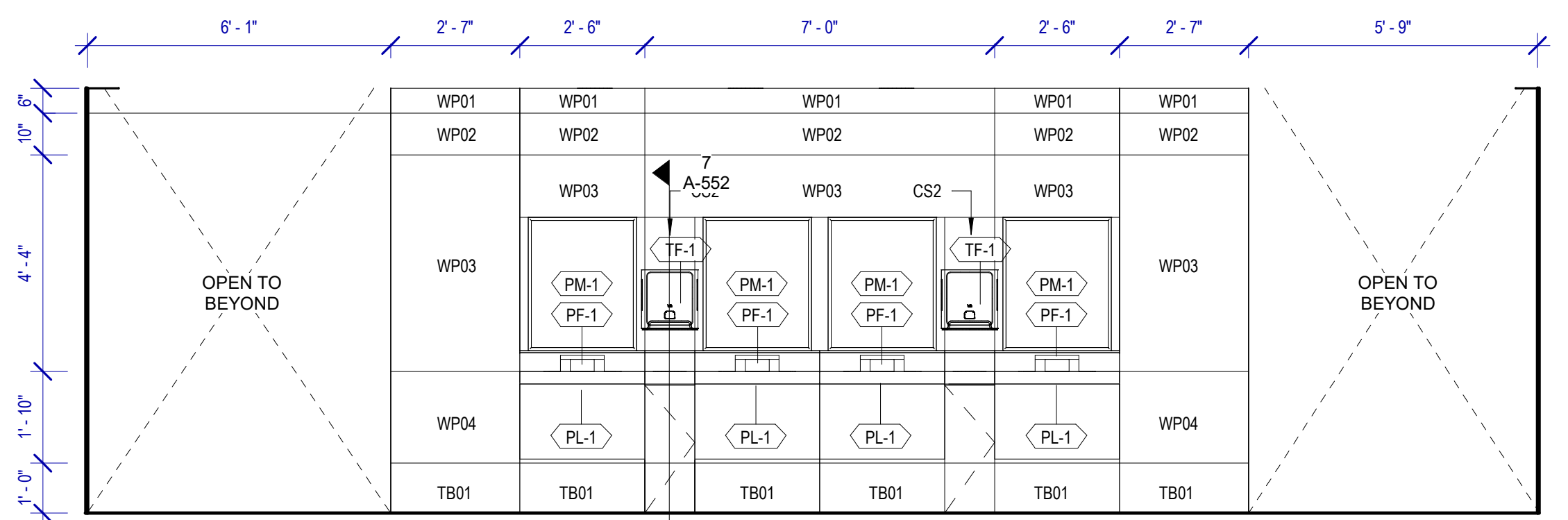
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SCALE: 3/8" = 1'-0"



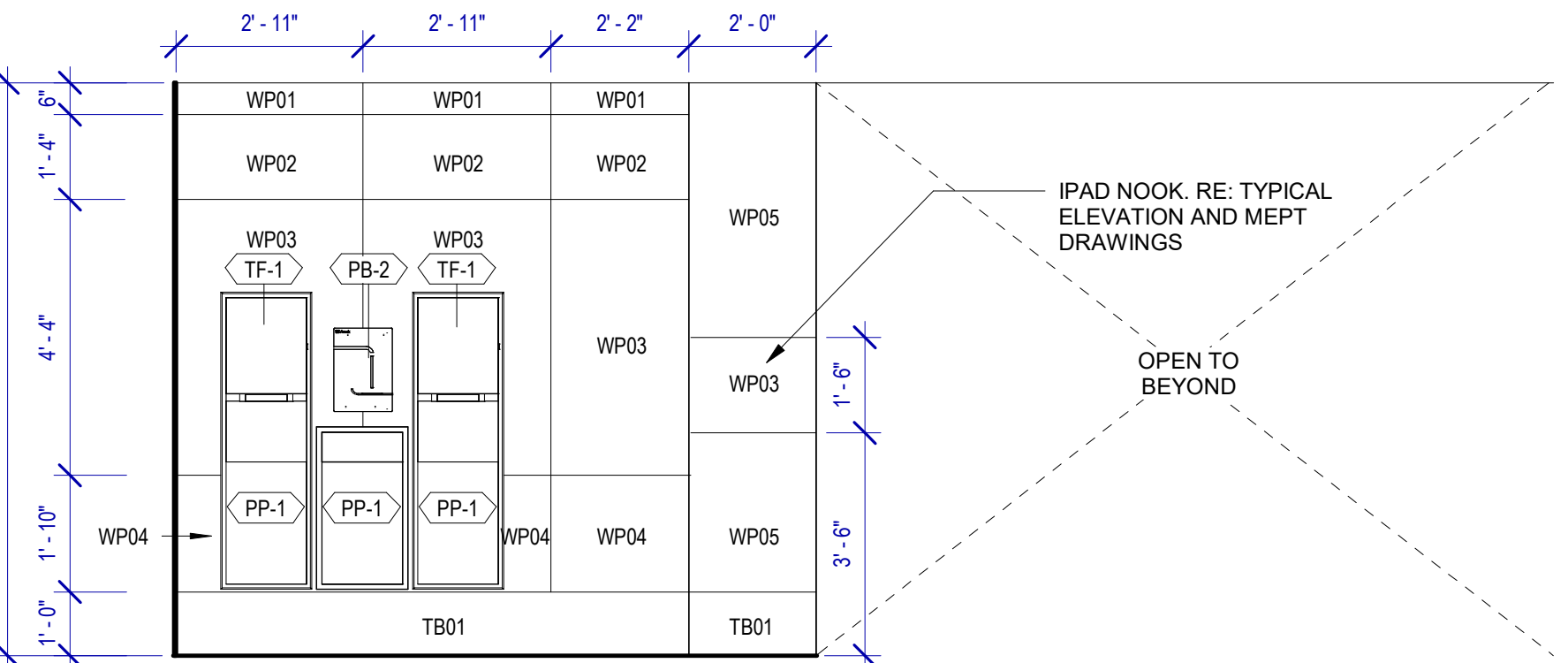
**7 WOMEN RR 1&2 ELEVATION-7**  
SCALE: 3/8" = 1'-0"



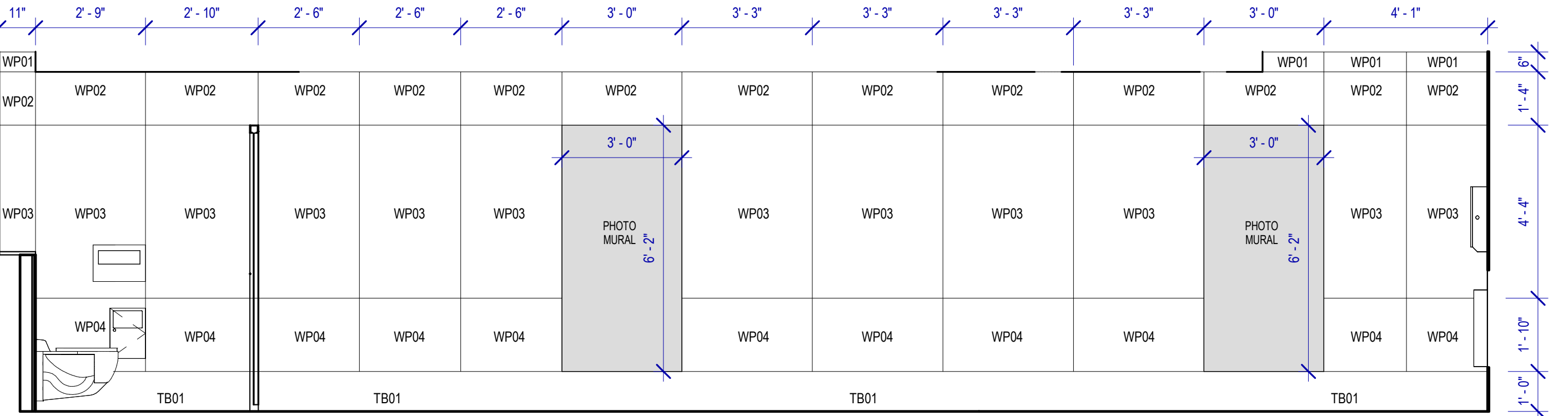
**5 WOMEN RR 1&2 ELEVATION-3**  
SCALE: 3/8" = 1'-0"



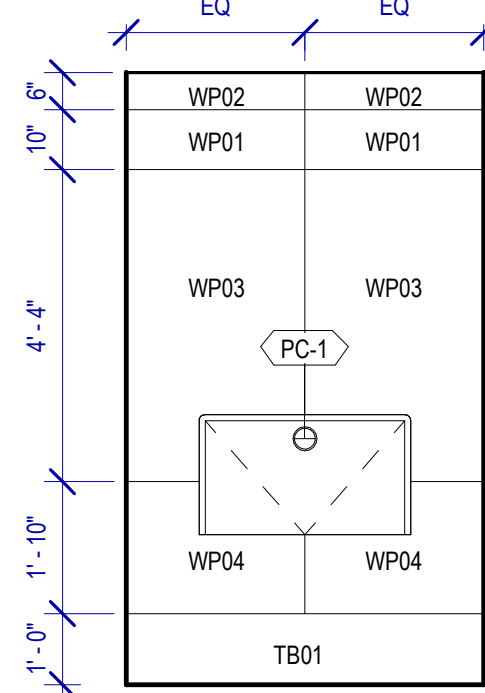
**4 WOMEN RR 1&2 ELEVATION-4**  
SCALE: 3/8" = 1'-0"



**1 WOMEN RR 1&2 ELEVATION-1**  
SCALE: 3/8" = 1'-0"



**2 WOMEN RR 1&2 ELEVATION-2**  
SCALE: 3/8" = 1'-0"



**3 WOMEN RR 1&2 ELEVATION-6**  
SCALE: 3/8" = 1'-0"

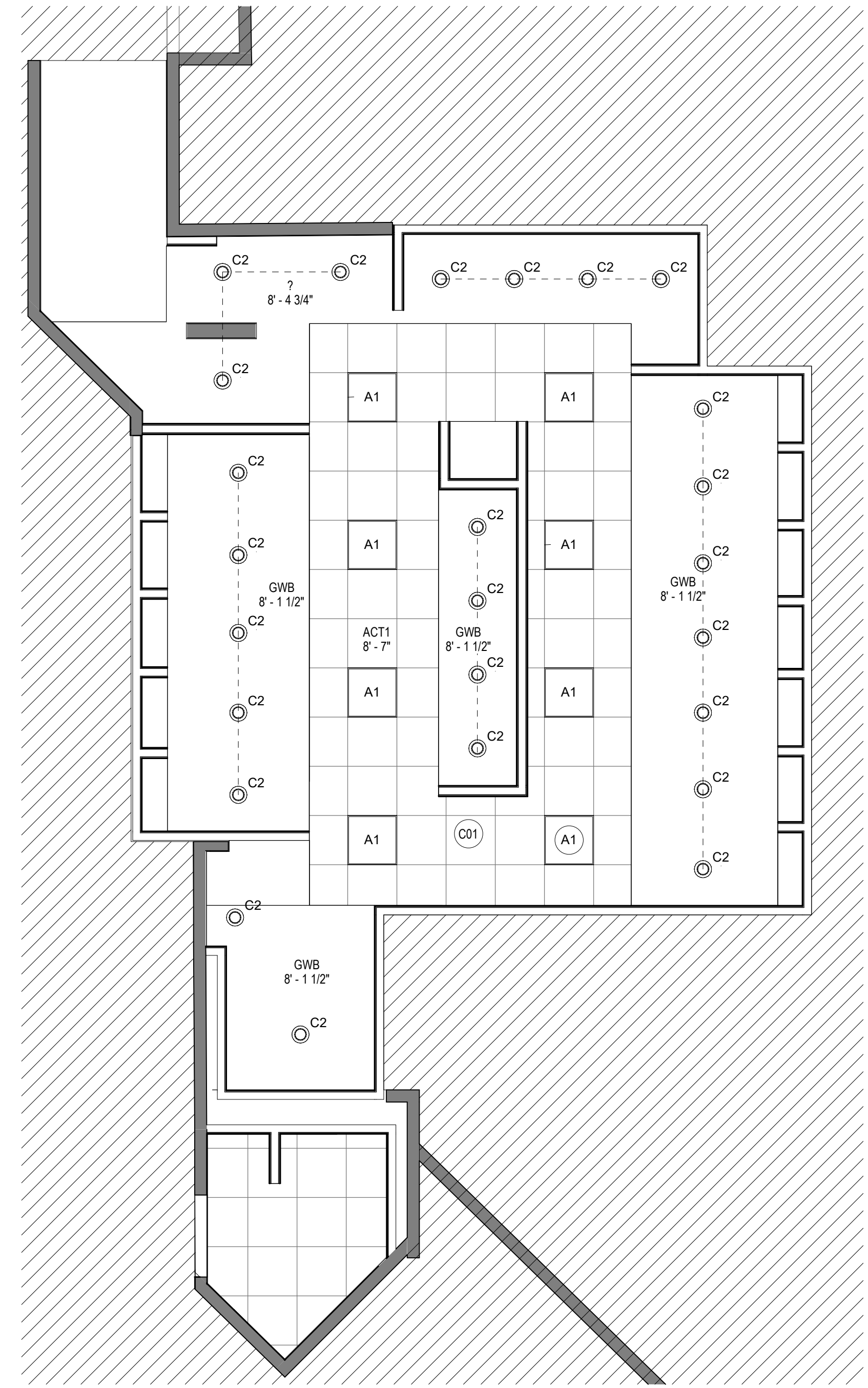
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 PLOT DATE:  
 OLD DWA No. :  
 PLOT DATE:



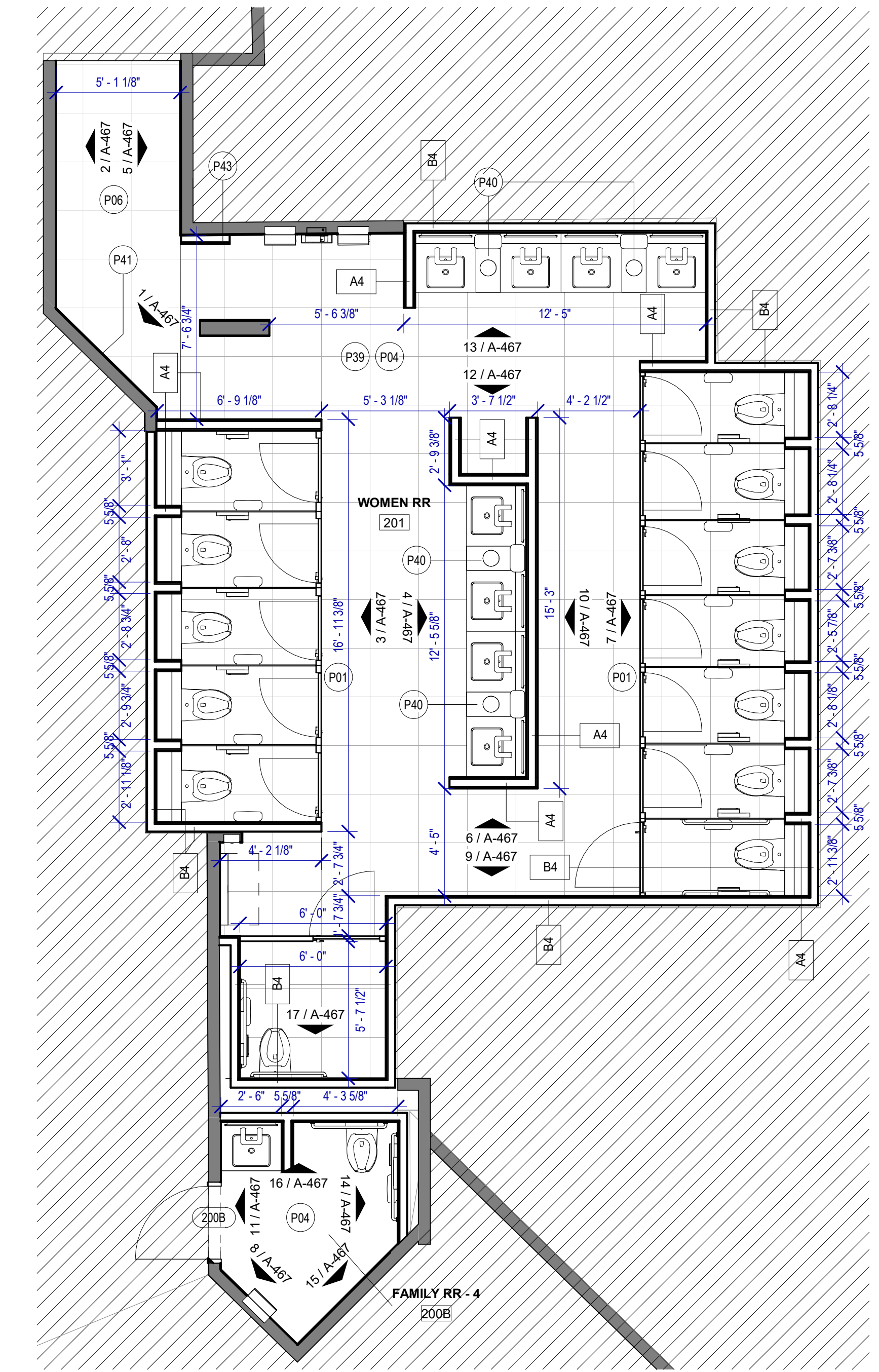


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DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt  
HAS FILE:



**2 ENLARGED RCP RR 4**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED RESTROOM PLAN RR 4**  
SCALE: 1/4" = 1'-0"

**FLOOR PLAN GENERAL NOTES**

1. PATCH, REPAIR & REFINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACED IN THE ORIGINAL LOCATION
P01	NEW TOILETS AND URINALS TO BE INSTALLED IN THE EXISTING LOCATION, IF NOT OTHERWISE SPECIFIED
P04	DAL TILE PORTFOLIO 24"x24" CHARCOAL - FLOOR
P06	DAL TILE PORTFOLIO 24"x24" ICE WHITE - FLOOR
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
P40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE. TYP. FOR LAVATORIES STATIONS
P41	NEW PHOTO MURAL. REFER TO ELEVATION
P43	CUSTOMER SERVICE IPAD DOCKING STATION. REF. TO TYP. ELEVATION



2800 N Terminal Rd  
Houston, TX 77032

**IAH TERMINAL A RESTROOMS REFRESH**

C.I.P. No. 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

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



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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

Review/Approval Category

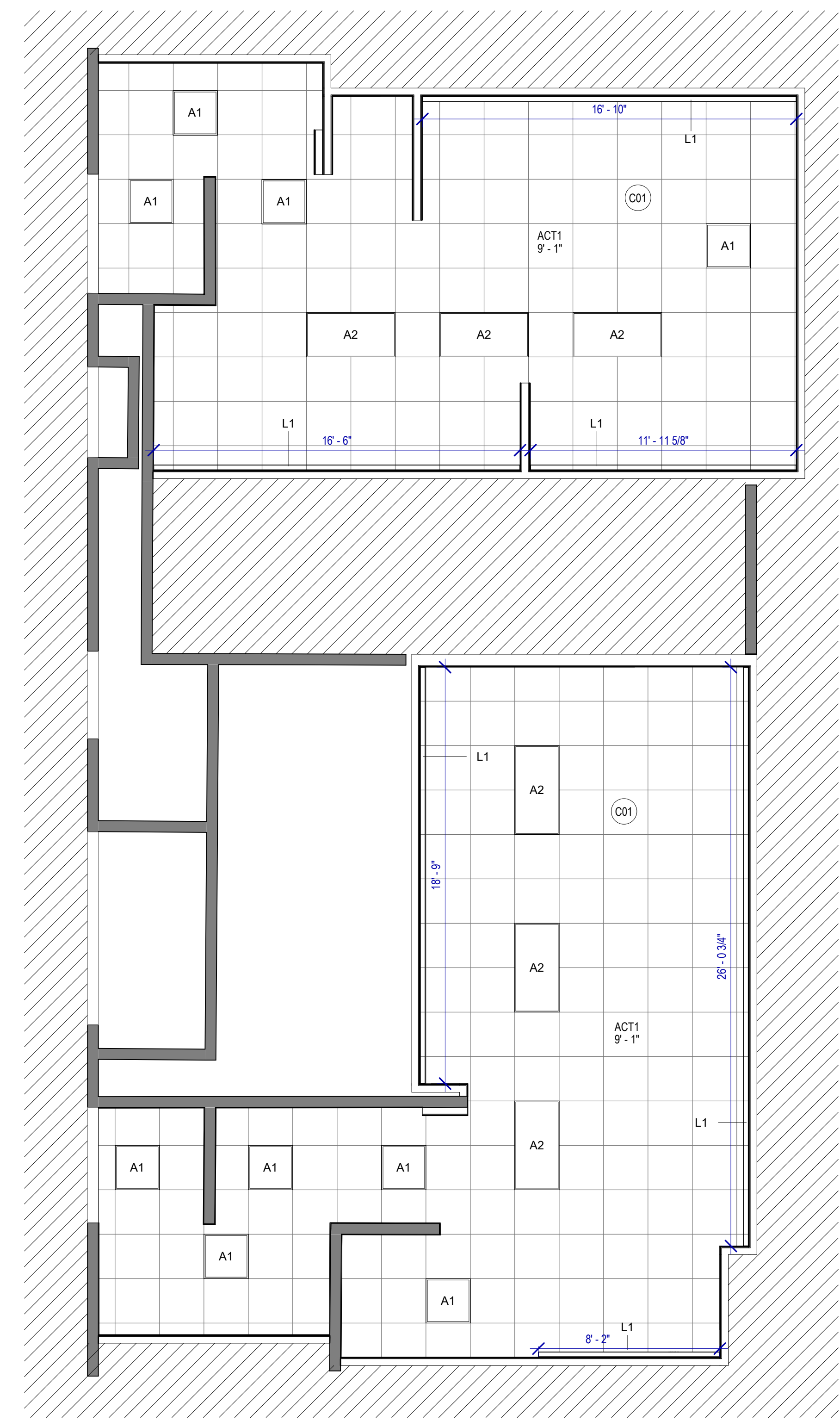
**IFB**  
ISSUED FOR BIDDING

SHEET NAME: RR 4 - PLANS & RCP  
SHEET No. A-466 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

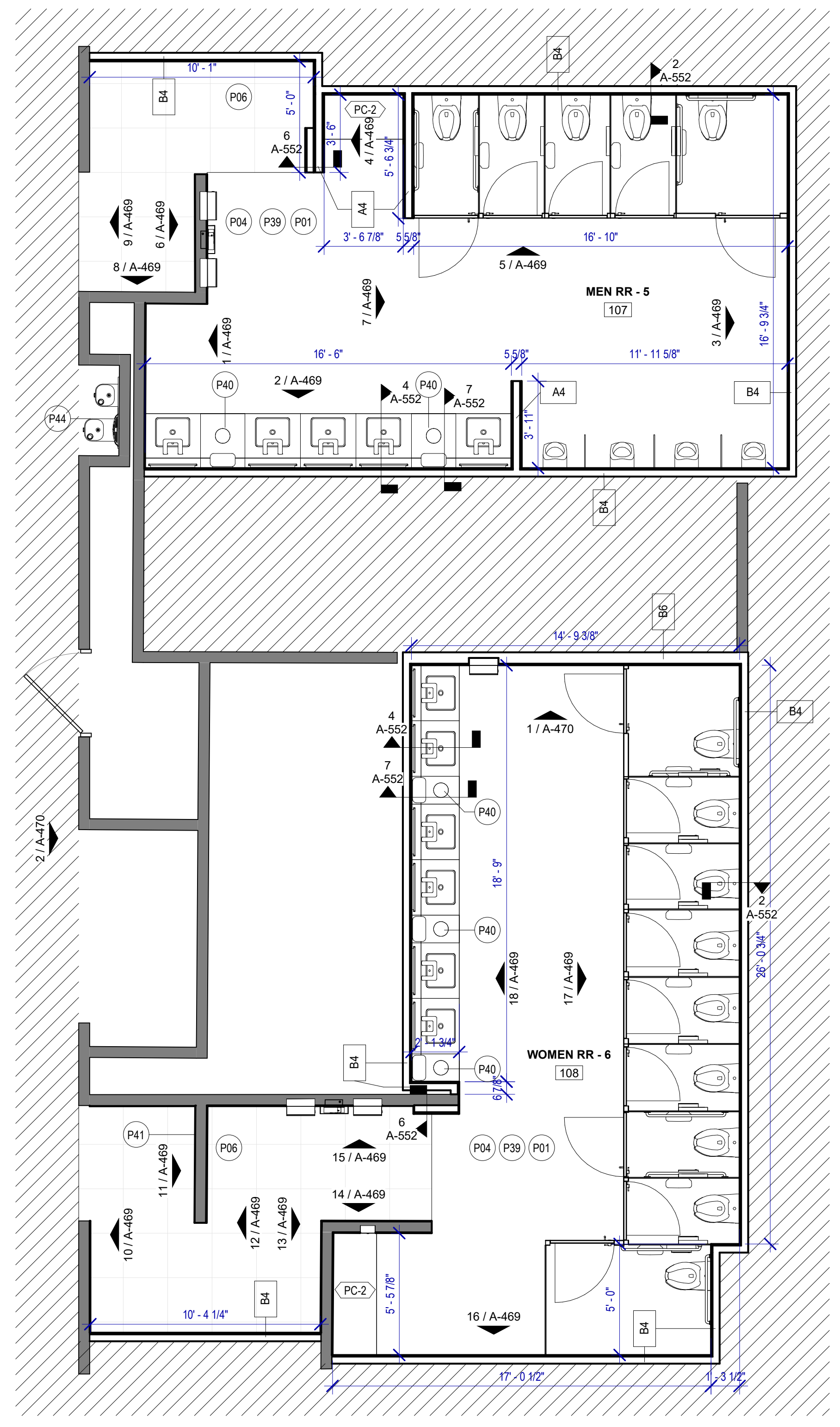


PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt  
HAS FILE:



**2 ENLARGED RCP RR 5&6**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED RESTROM PLAN RR 5&6**  
SCALE: 1/4" = 1'-0"

**FLOOR PLAN GENERAL NOTES**

1. PATCH, REPAIR & REFINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACED IN THE ORIGINAL LOCATION
P01	NEW TOILETS AND URINALS TO BE INSTALLED IN THE EXISTING LOCATION, IF NOT OTHERWISE SPECIFIED
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P06	DALTILE PORTFOLIO 24"x24" ICE WHITE - FLOOR
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
P40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE, TYP. FOR LAVATORIES STATIONS
P41	NEW PHOTO MURAL, REFER TO ELEVATION
P44	NEW DRINKING FOUNTAIN - MATCH EXISTING LOCATION
PC-2	KOALA CARE CHILD SEAT KB102-00

2800 N Terminal Rd  
Houston, TX 77032

**IAH TERMINAL A RESTROOMS  
REFRESH**

C.I.P. No.	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  
5599 San Felipe, Suite 1425 Houston, Texas 77056 713.430.5800 www.hendersonrogers.com

**PGA ENGINEERS, INC**

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

REVISIONS		
No.	DESCRIPTION	DATE BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

Review/Approval Category <b>IFB</b> ISSUED FOR BIDDING	REGISTERED ARCHITECT DANIEL G. O'NEILL 25004 STATE OF TEXAS 05.15.24
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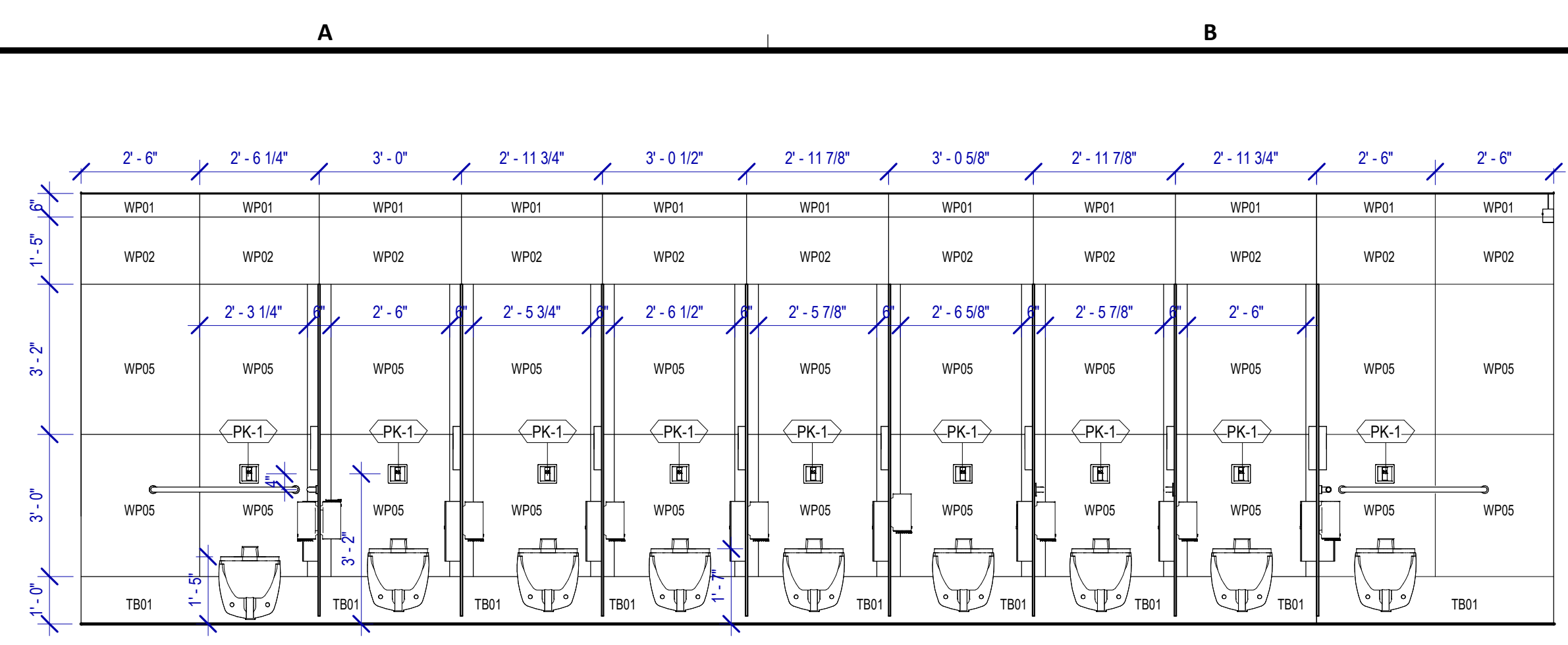
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SHEET No. A-468 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

**TOILET ACCESSORIES**

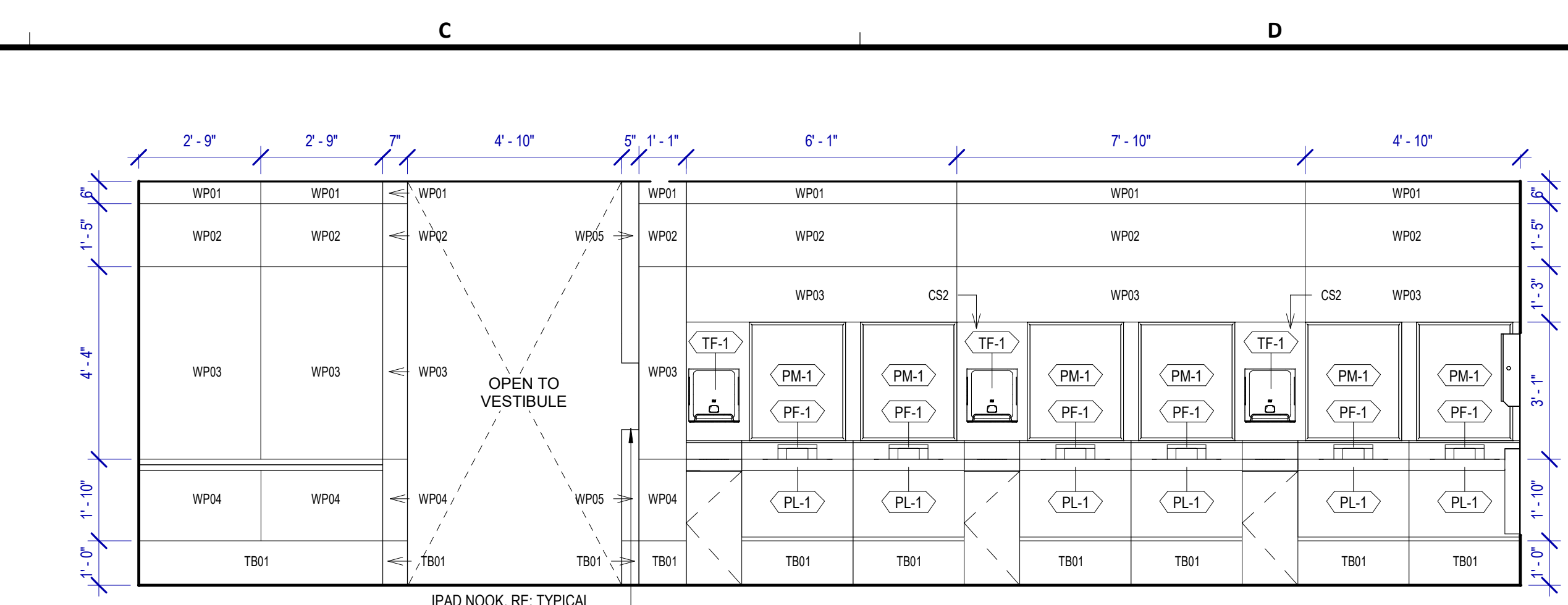
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
- PC-6 ASTOR BANNERMAN A26 CEILING HOIST & H-TRACK, MOUNTED W/ WALLBRACKETS
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR DUO
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPT STOOL SNW-SS 975B
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRSLINGTON COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET3LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 6642 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 COUCHI WIDE PAPER TOWEL ROLL TORK OR EQ.
- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-5800X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PW-2 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

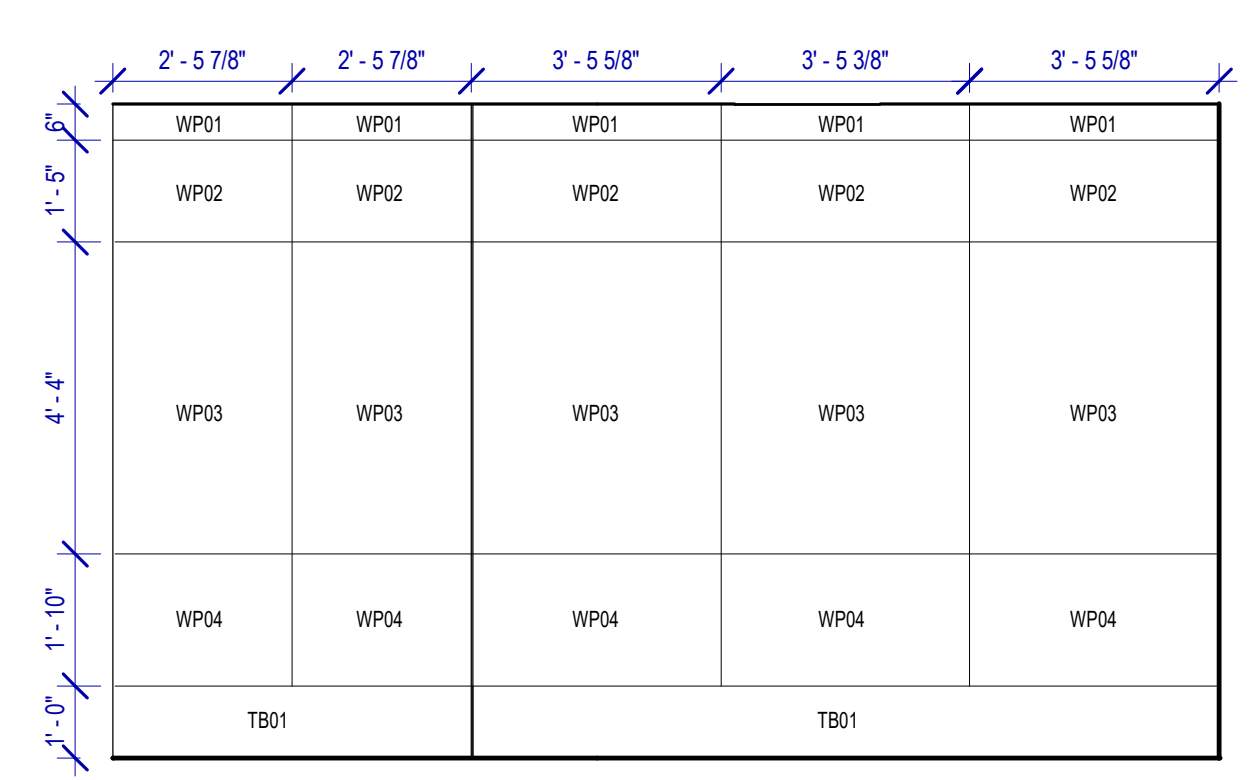
- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
- PL-2 ADJUSTABLE HEIGHT WASH BASIN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PS-1 SHOWER COLUMN
- PV-1 ZURN MOP SINK 1996-24



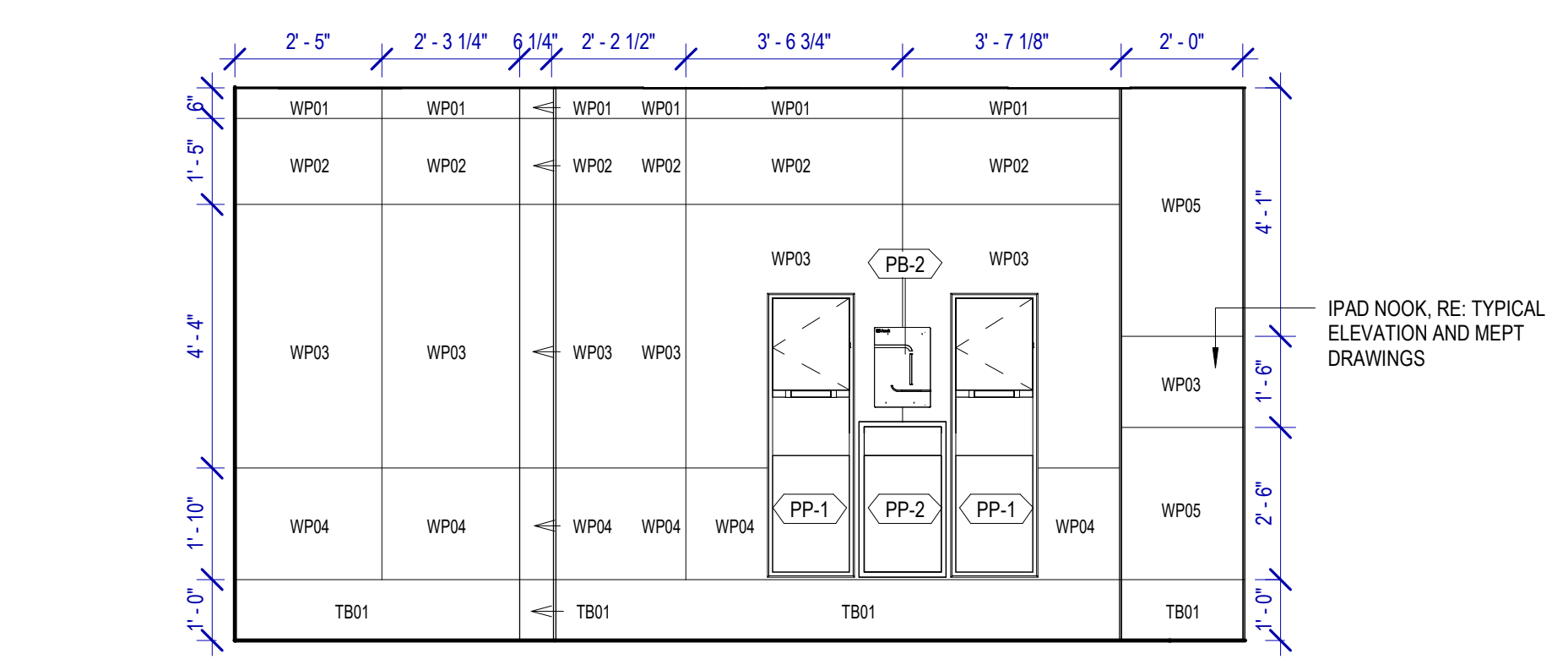
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SCALE: 3/8" = 1'-0"



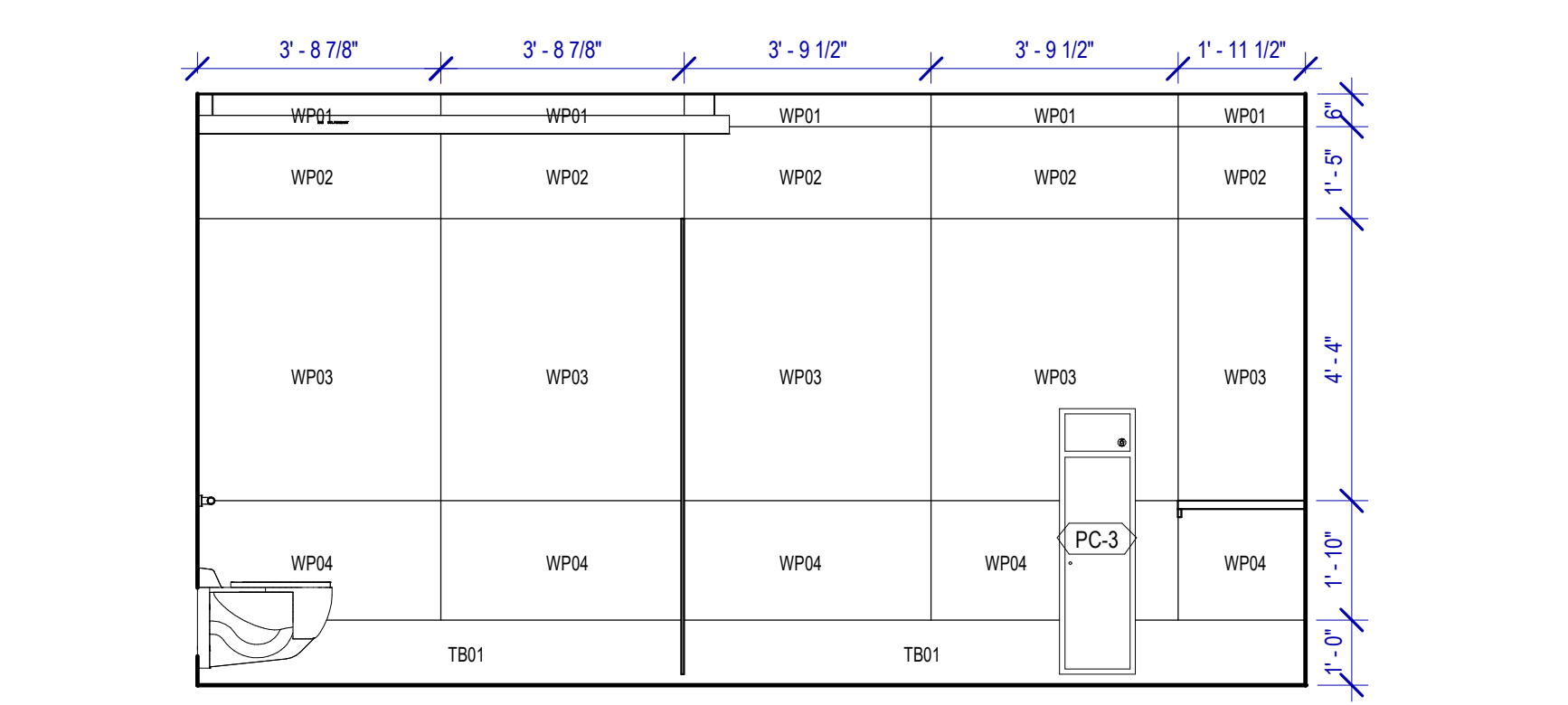
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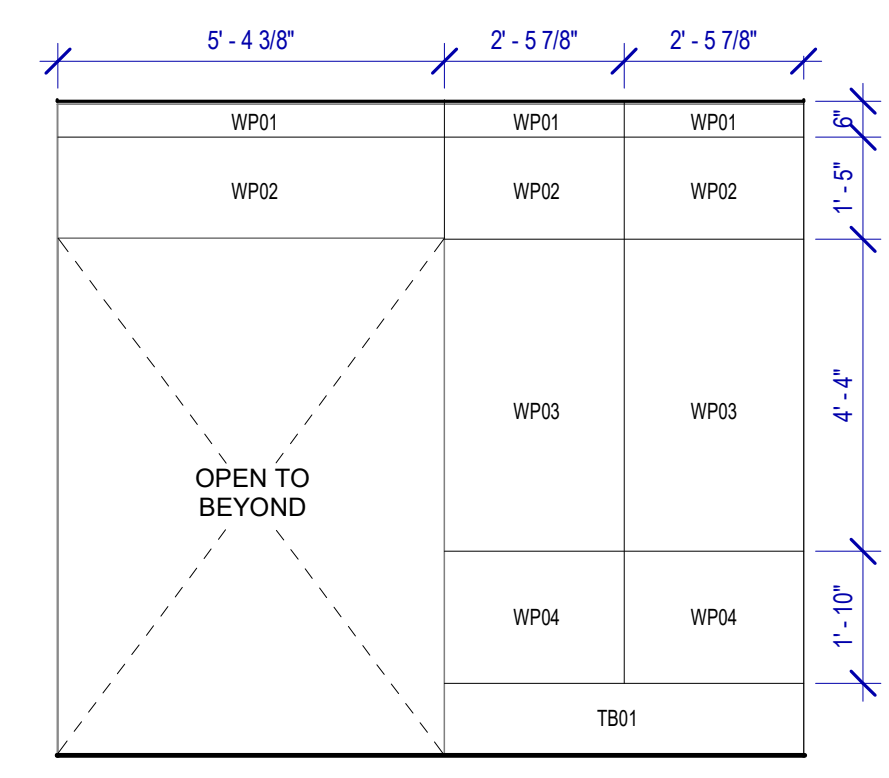
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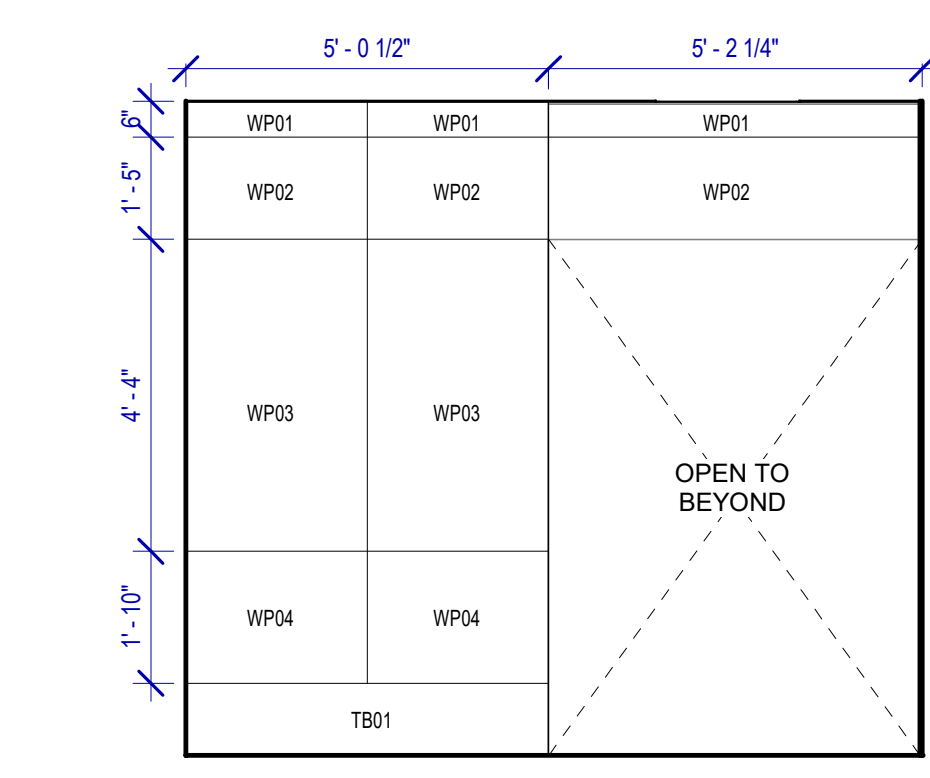
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SCALE: 3/8" = 1'-0"



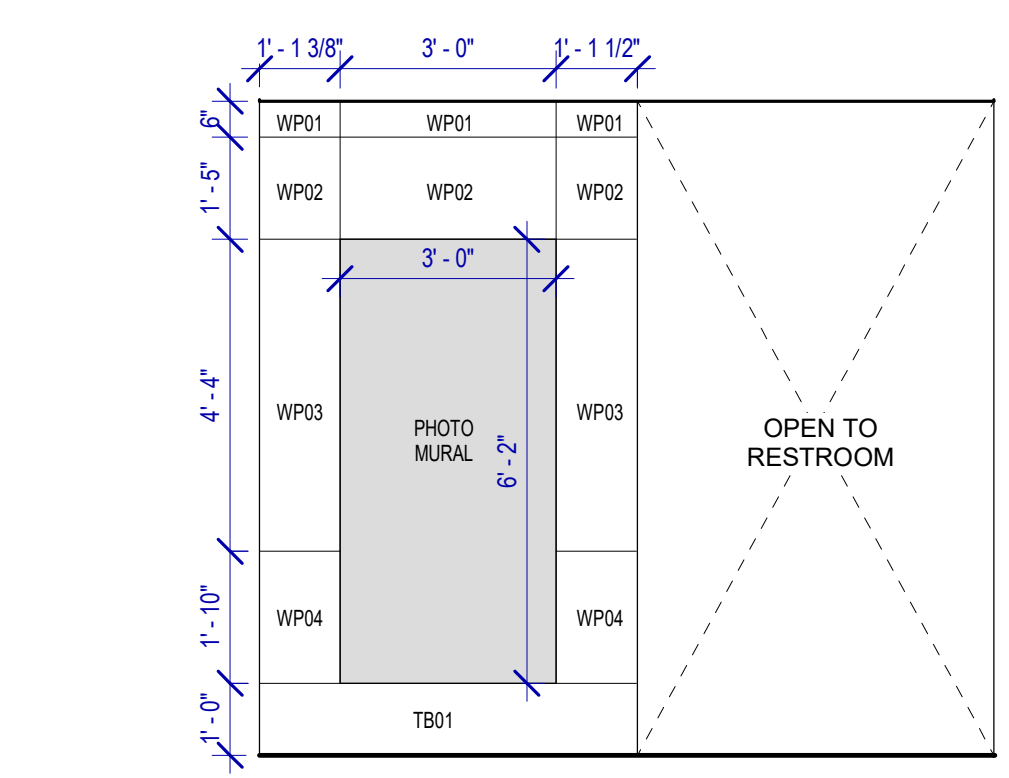
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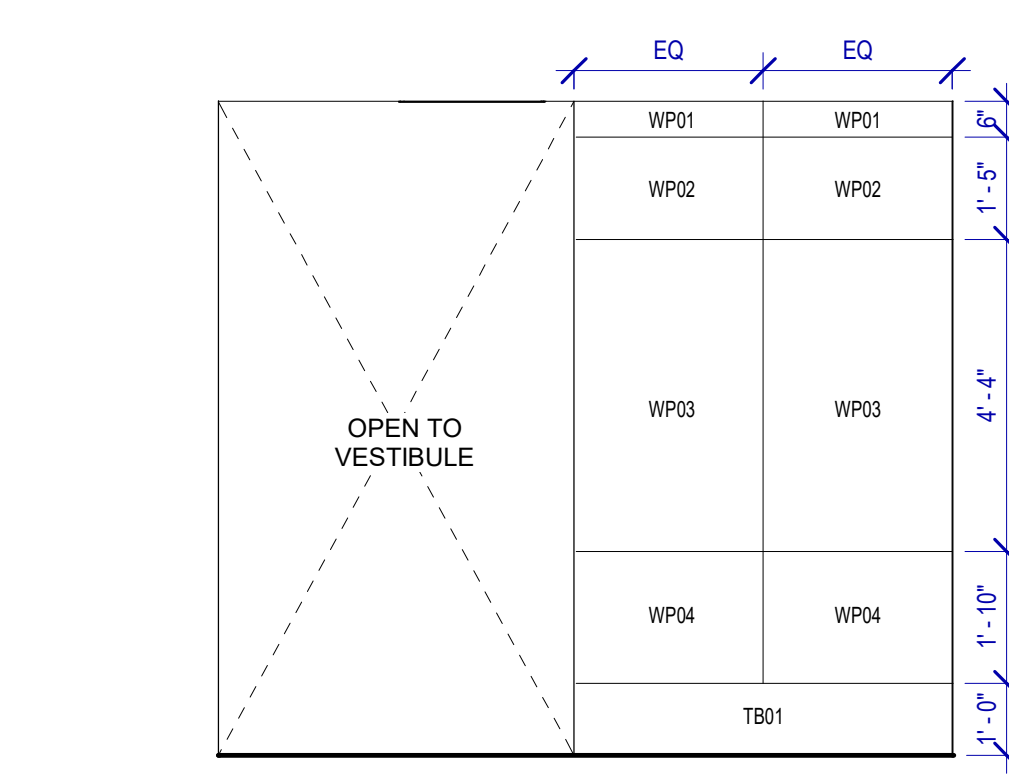
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SCALE: 3/8" = 1'-0"



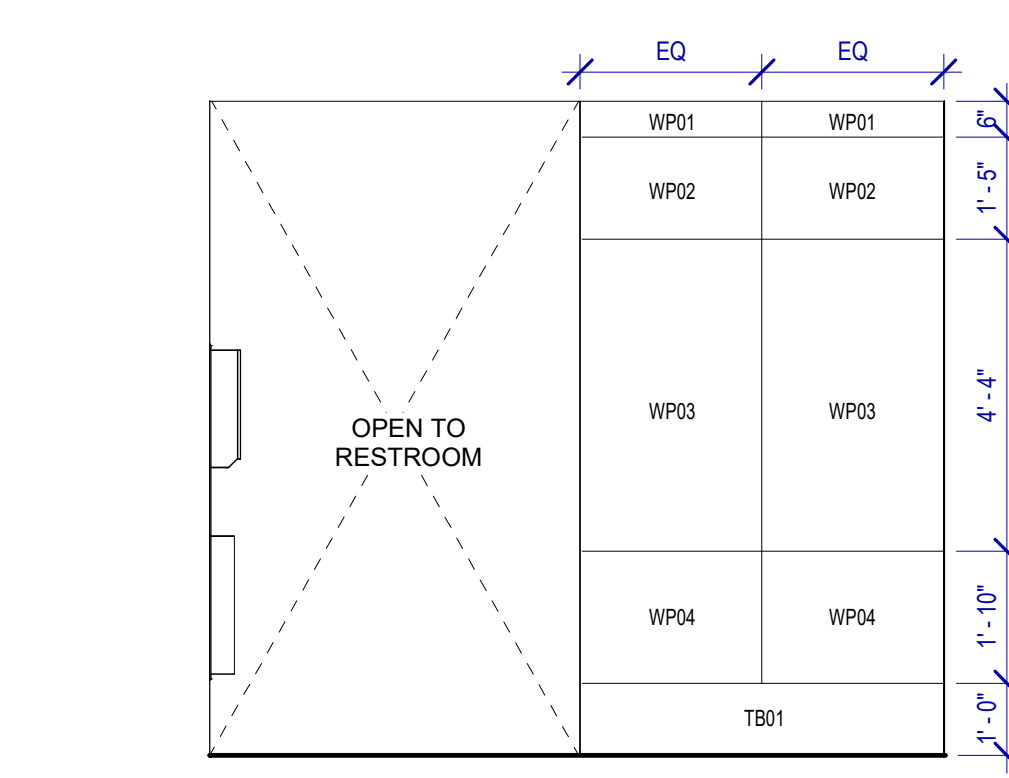
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SCALE: 3/8" = 1'-0"



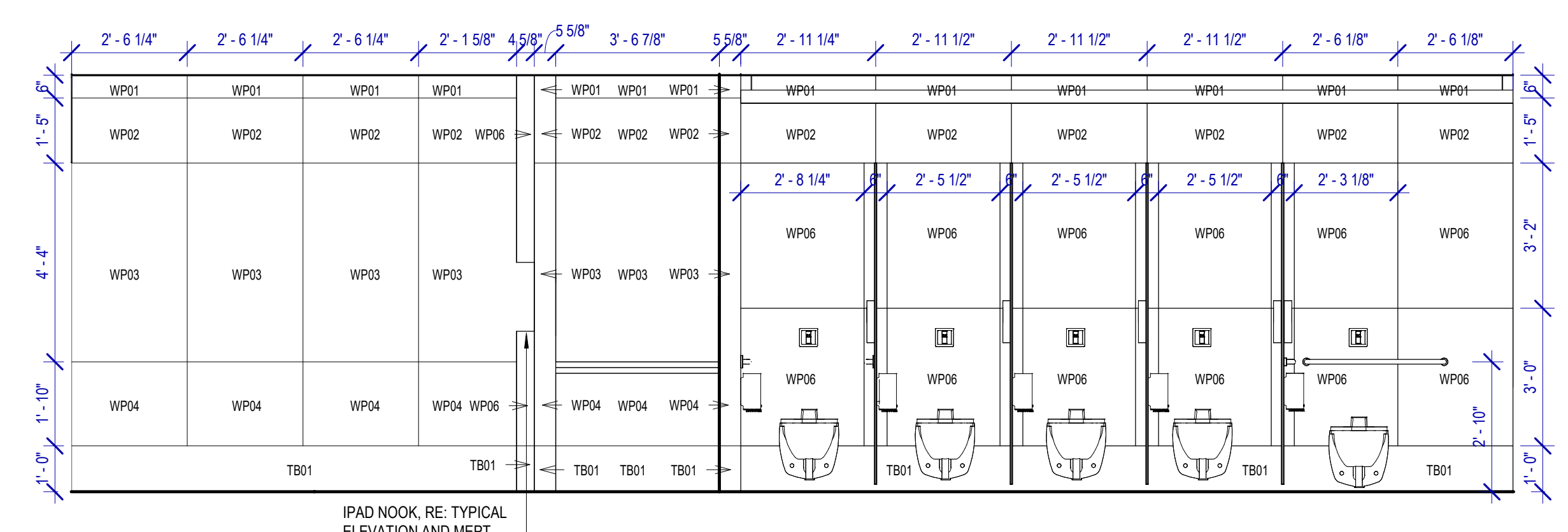
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SCALE: 3/8" = 1'-0"



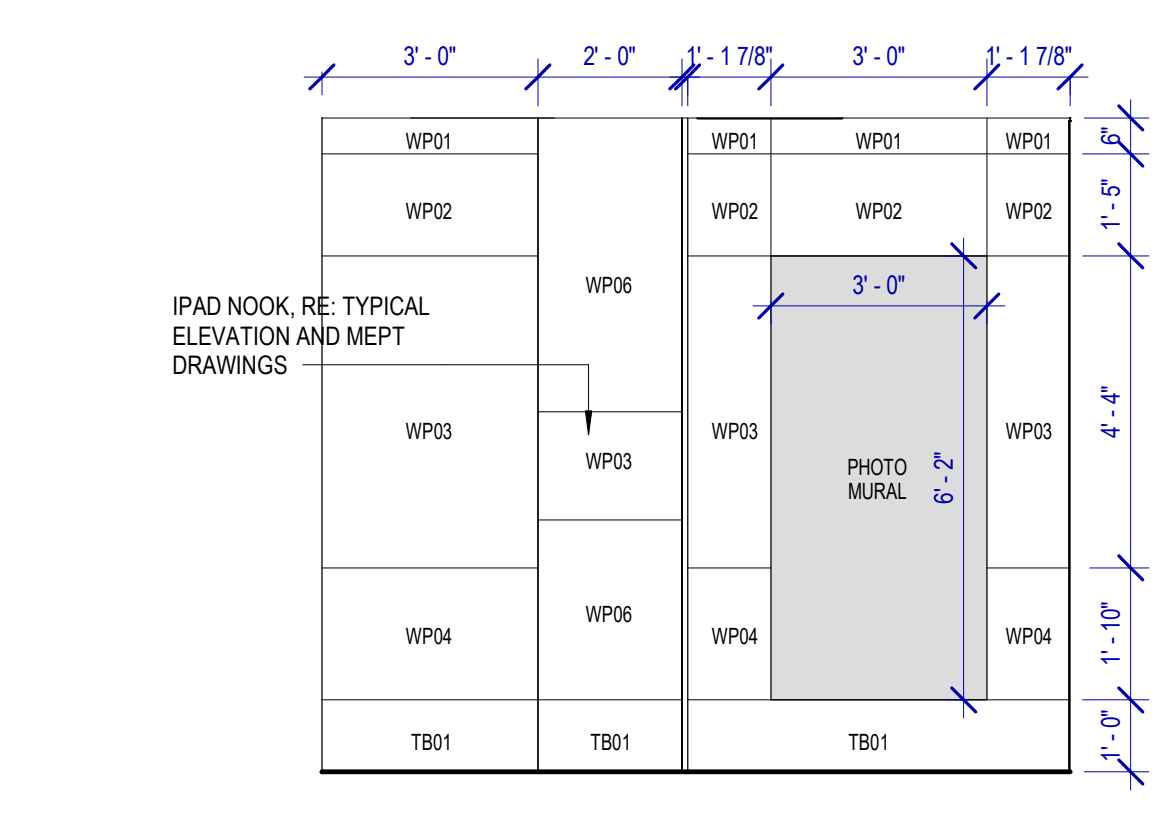
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SCALE: 3/8" = 1'-0"



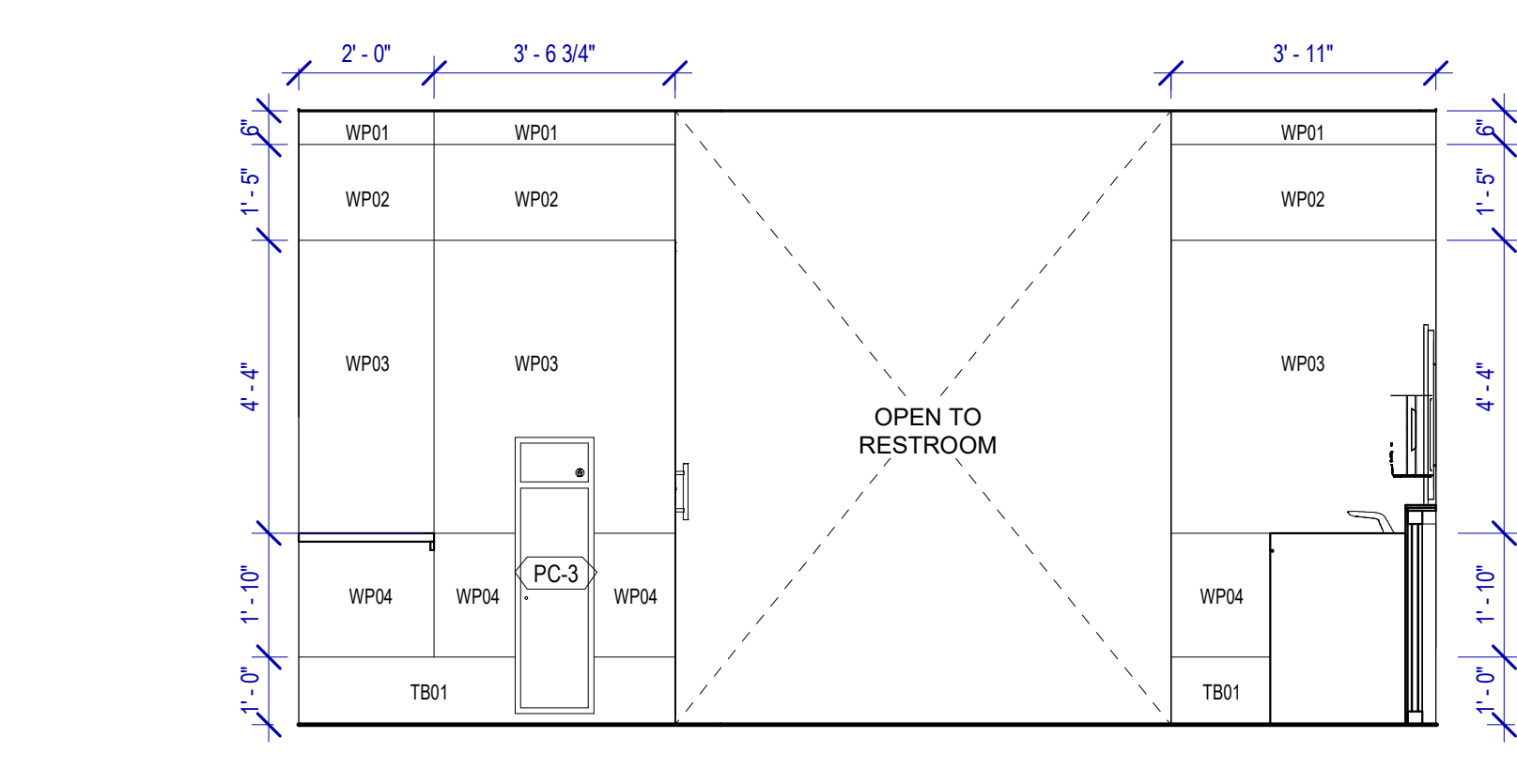
**13 WOMEN RR 6 ELEVATION-13**  
SCALE: 3/8" = 1'-0"



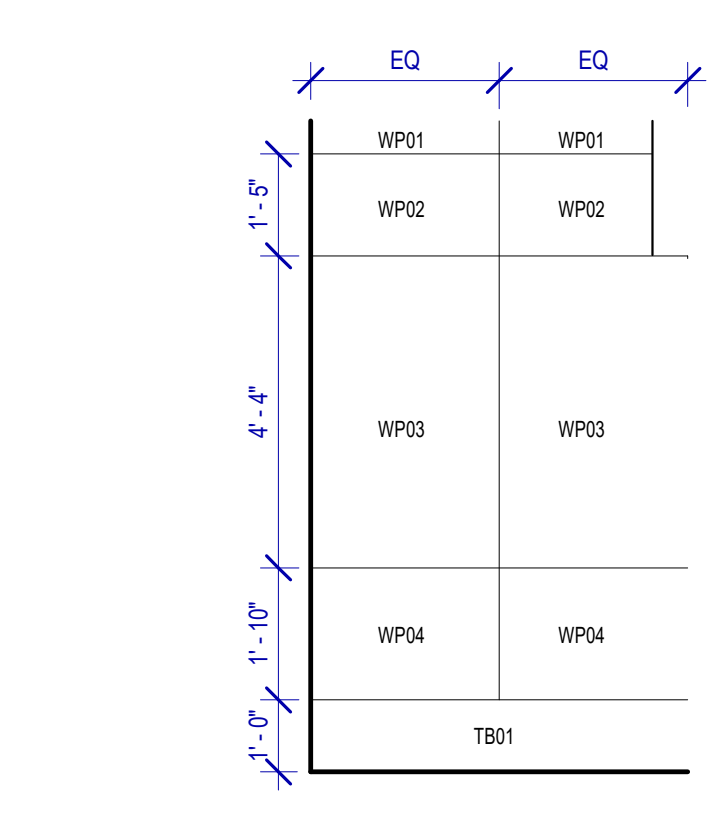
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SCALE: 3/8" = 1'-0"



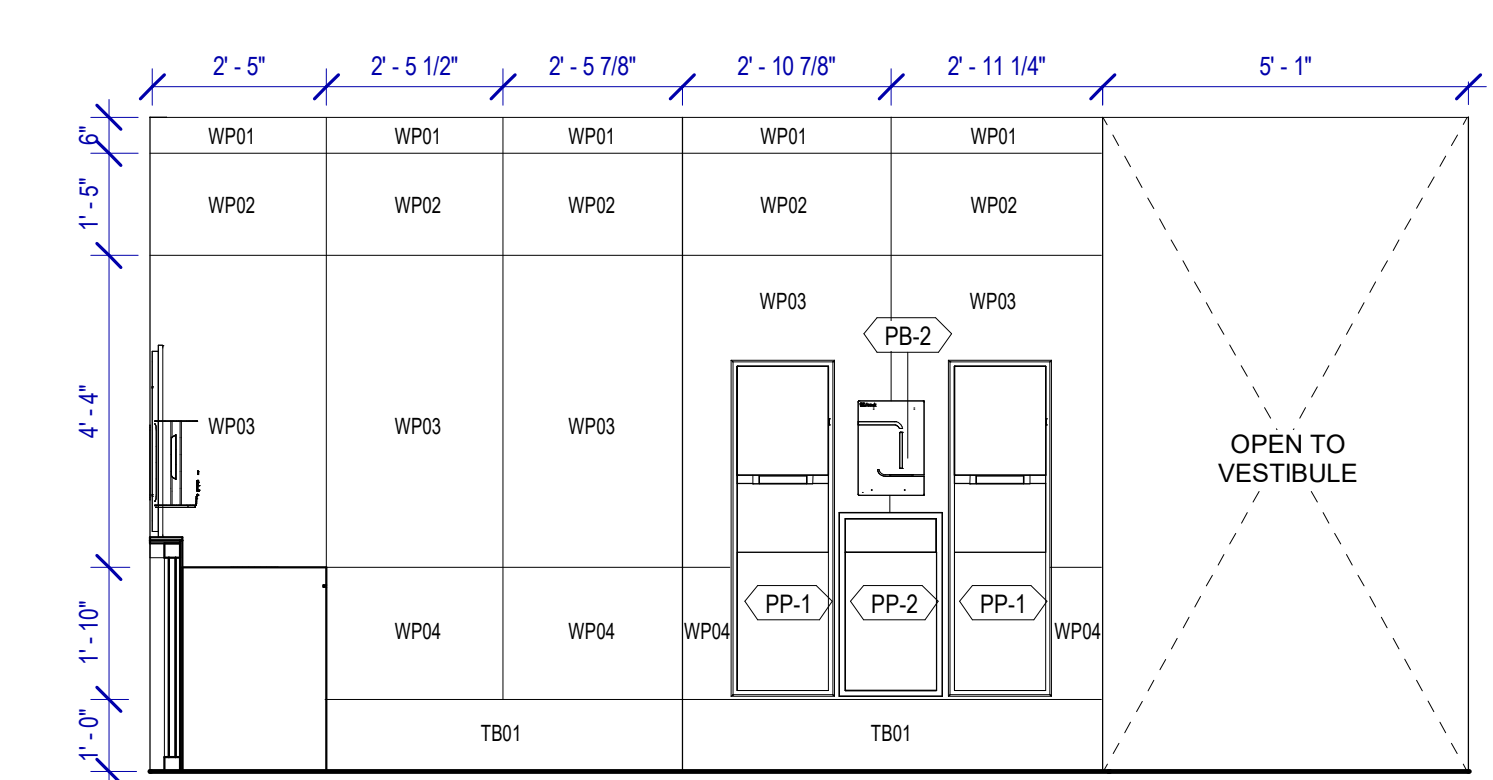
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SCALE: 3/8" = 1'-0"



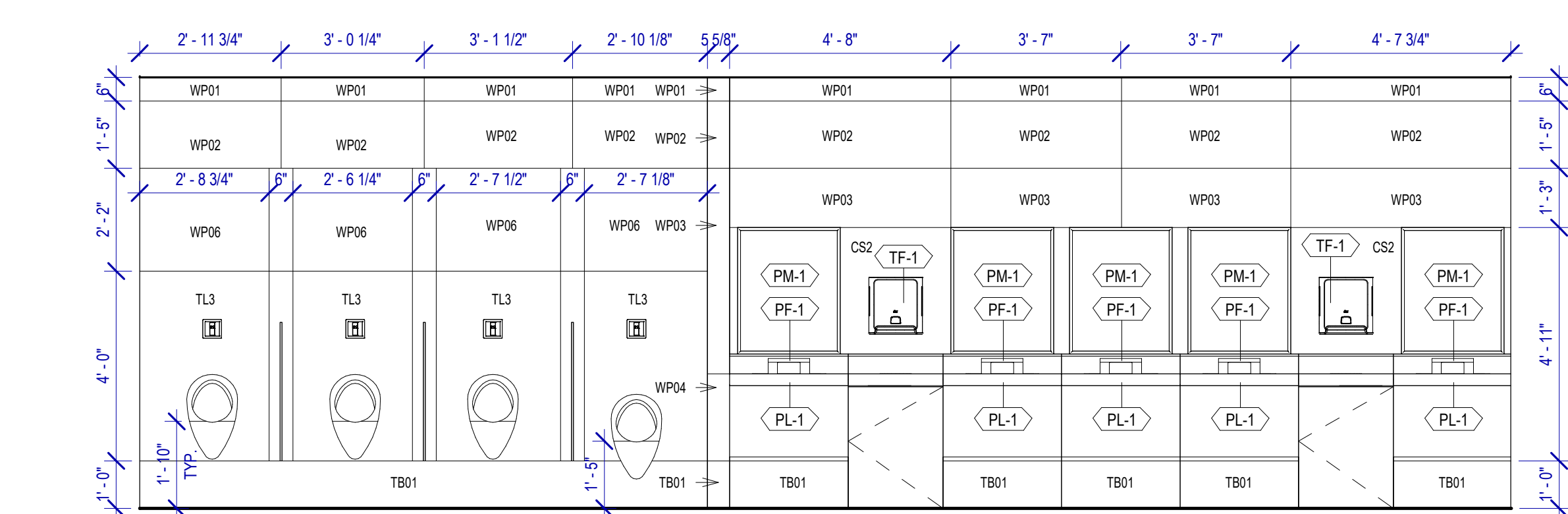
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SCALE: 3/8" = 1'-0"



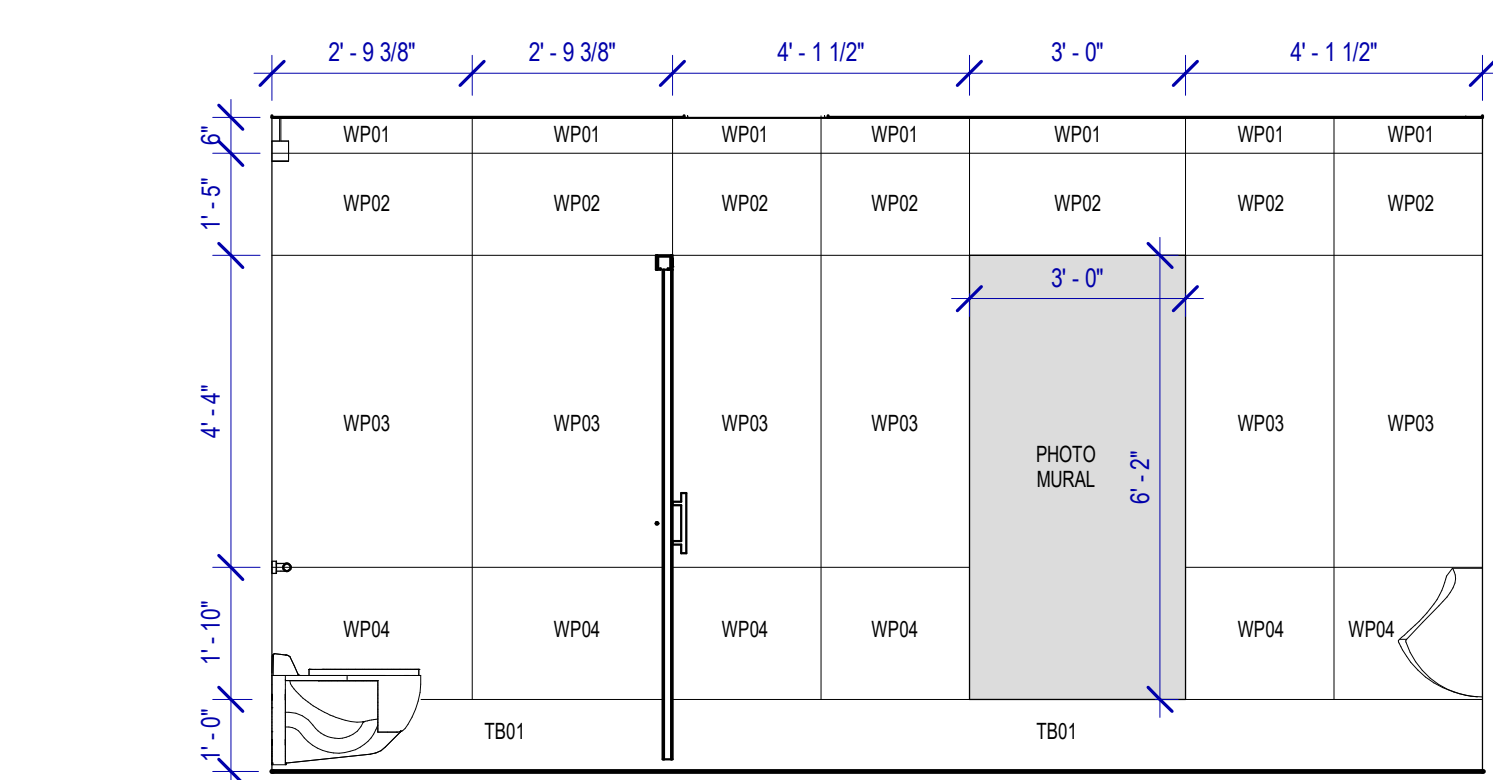
**8 MEN RR 5&6 ELEVATION-8**  
SCALE: 3/8" = 1'-0"



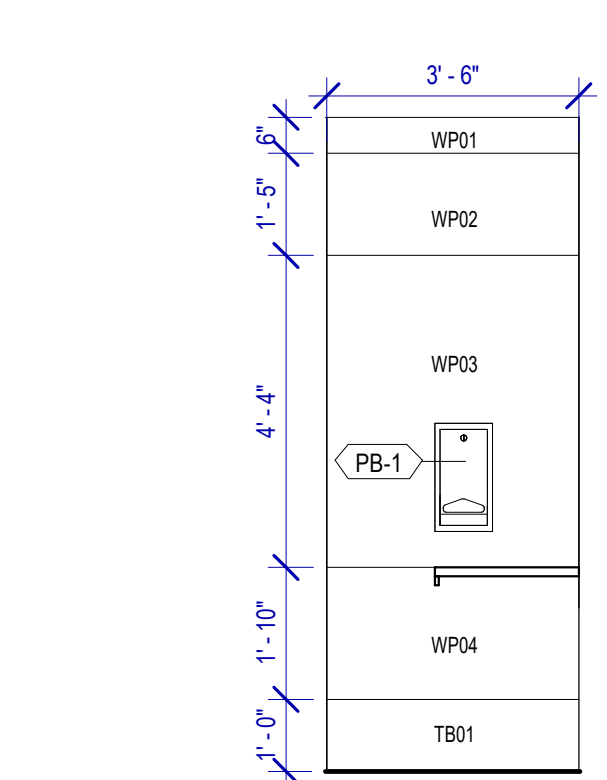
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SCALE: 3/8" = 1'-0"



**2 MEN RR 5 ELEVATION-2**  
SCALE: 3/8" = 1'-0"



**3 MEN RR 5 ELEVATION-3**  
SCALE: 3/8" = 1'-0"



**4 MEN RR 5&6 ELEVATION-4**  
SCALE: 3/8" = 1'-0"

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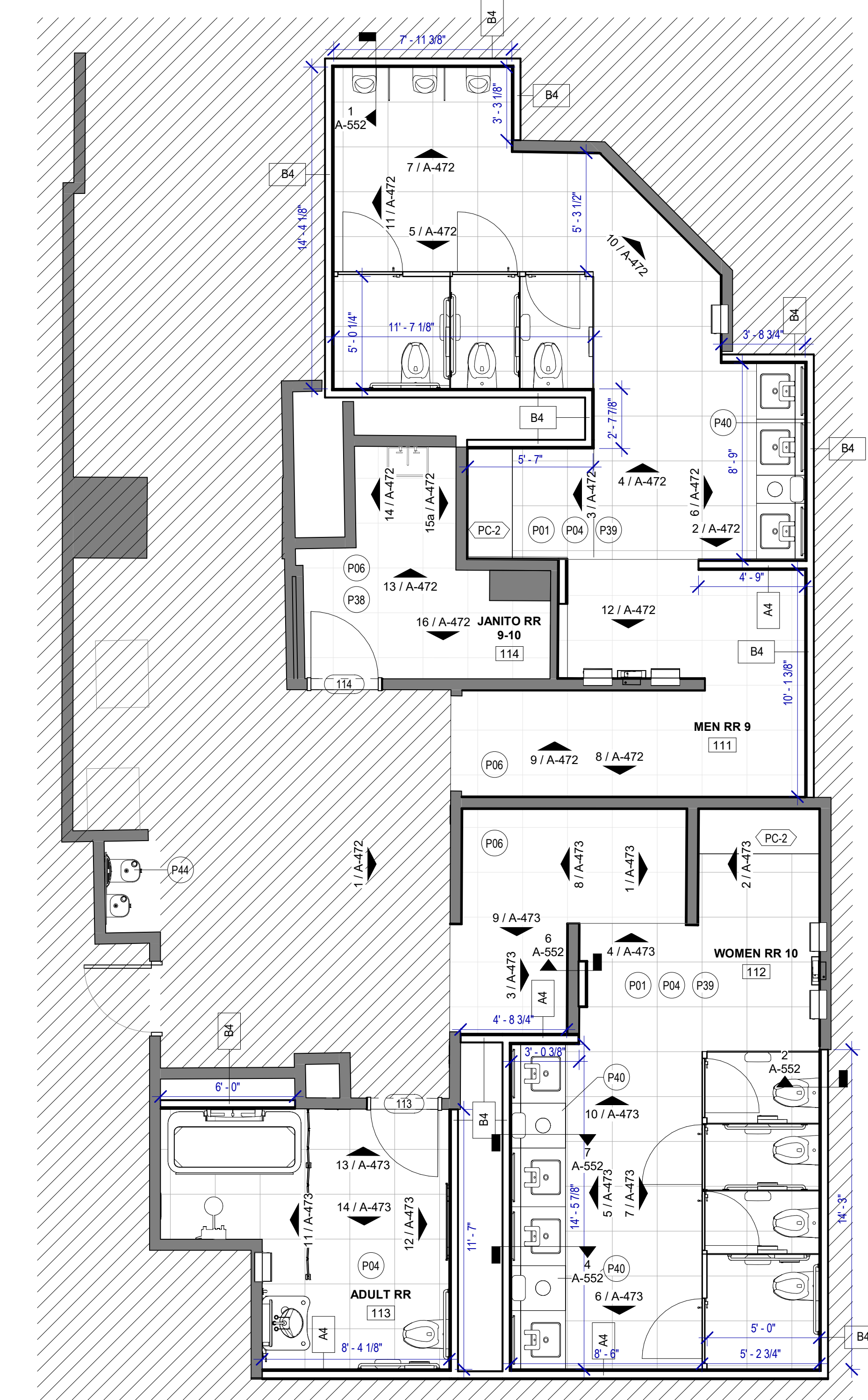
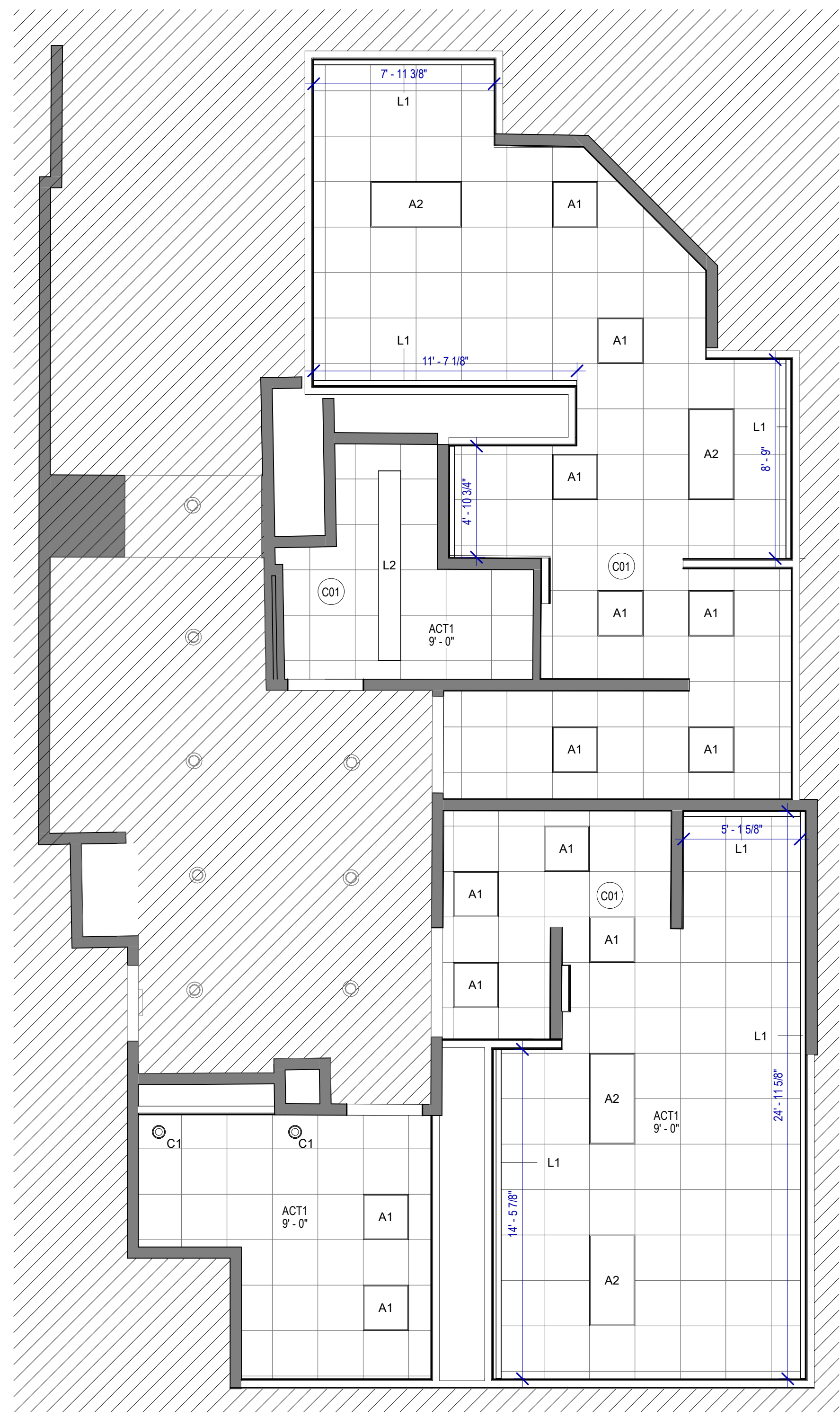




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PLOT DATE:

FILE PATH: AutodesK Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:



### FLOOR PLAN GENERAL NOTES

1. PATCH, REPAIR & REFINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

### KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACED IN THE ORIGINAL LOCATION
P01	NEW TOILETS AND URINALS TO BE INSTALLED IN THE EXISTING LOCATION, IF NOT OTHERWISE SPECIFIED
P04	DAL TILE PORTFOLIO 24"x24" CHARCOAL - FLOOR
P06	DAL TILE PORTFOLIO 24"x24" ICE WHITE - FLOOR
P38	RE-PAINT WALLS-WHITE
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
P40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE. TYP. FOR LAVATORIES STATIONS
P44	NEW DRINKING FOUNTAIN - MATCH EXISTING LOCATION
PC-2	KOALA CARE CHILD SEAT KB102-00



2800 N Terminal Rd  
Houston, TX 77032

### IAH TERMINAL A RESTROOMS REFRESH

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

### RDLR Architects

ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104 713.868.3121  
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### HENDERSON ROGERS

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Houston, Texas 77056  
713.430.5800  
www.hendersonrogers.com



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

REVISIONS		
NO.	DESCRIPTION	DATE BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

Review/Approval Category

**IFB**  
ISSUED FOR BIDDING

SHEET NAME: RR 9 & 10 - PLANS & RCP  
SHEET No. A-471 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

**TOILET ACCESSORIES**

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
- PC-6 ASTOR BANNERMAN A2B CEILING HOIST & H-TRACK, MOUNTED W/ WALLBRACKETS
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR DUO
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPT STOOL SNW-SS 975B
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRISLINGTON COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET3LN
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- PM-2 BOBRICK B-167 6642 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 COUCH/ WIDE PAPER TOWEL ROLL TORK OR EQ.
- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PW-2 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
- PL-2 ADJUSTABLE HEIGHT WASH BASIN
- PT-1 TOTO WALL MOUNTED TOILET C7708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PS-1 SHOWER COLUMN
- PY-1 ZURN MOP SINK 1996-24

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

**REVISIONS**

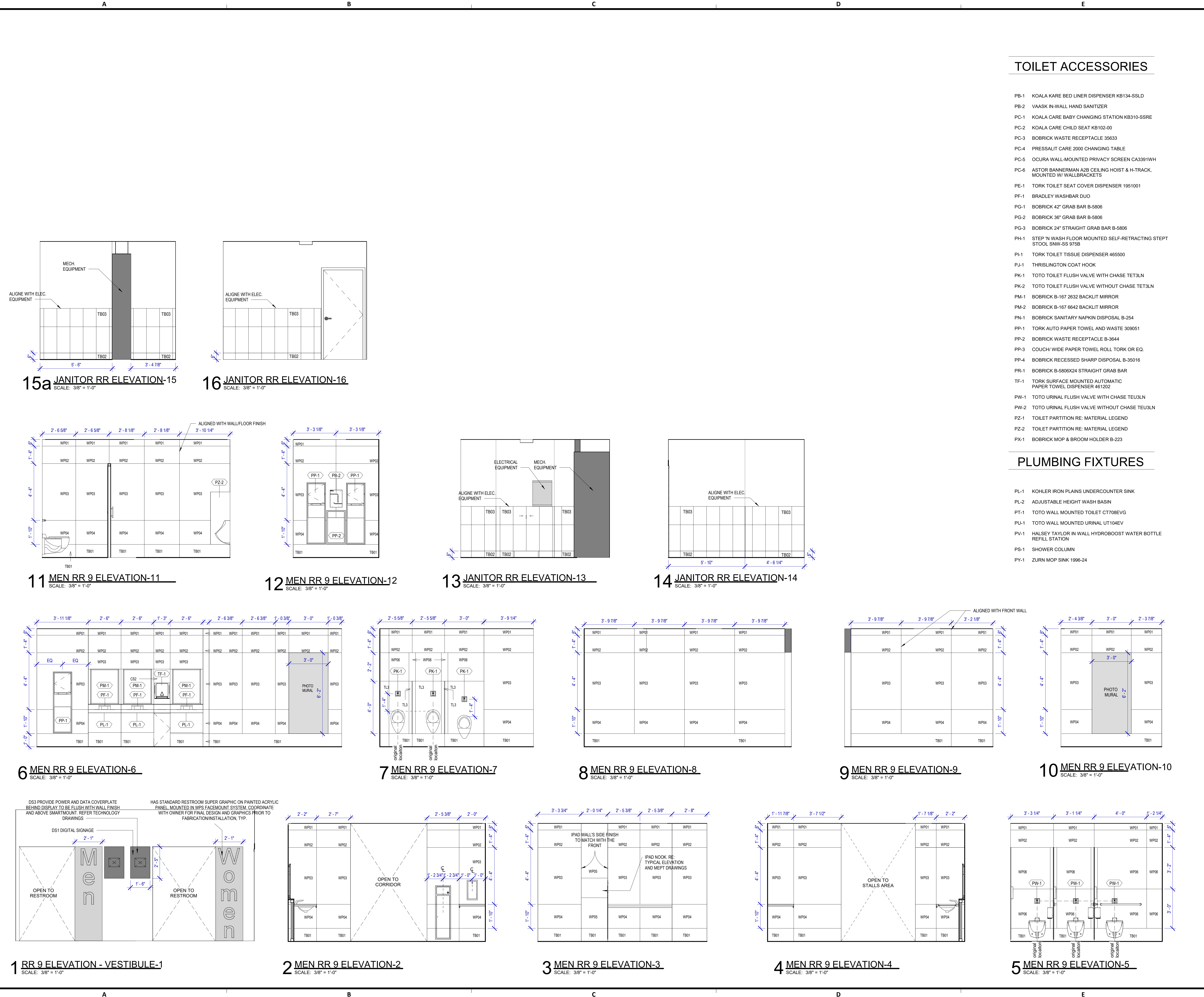
NO.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
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ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
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**DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM**

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

SHEET NAME: RR 9 & 10 - ELEVATIONS MEN  
SHEET No. A-472 SCALE: As indicated  
SHEET SIZE: 30"x42" ARCH E1



FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt  
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 PLOT DATE:  
 OLD DOA No.:  
 DOA DWG FILE:  
 PLOT DATE:

**TOILET ACCESSORIES**

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
- PC-6 ASTOR BANNERMAN A2B CEILING HOIST & H-TRACK, MOUNTED W/ WALLBRACKETS
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR DUO
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPT STOOL SNW-SS 975B
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRISLINGTON COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET3LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 6642 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 COUCH/ WIDE PAPER TOWEL ROLL TORK OR EQ.
- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-580X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PW-2 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
- PL-2 ADJUSTABLE HEIGHT WASH BASIN
- 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
- PS-1 SHOWER COLUMN
- PY-1 ZURN MOP SINK 1996-24

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

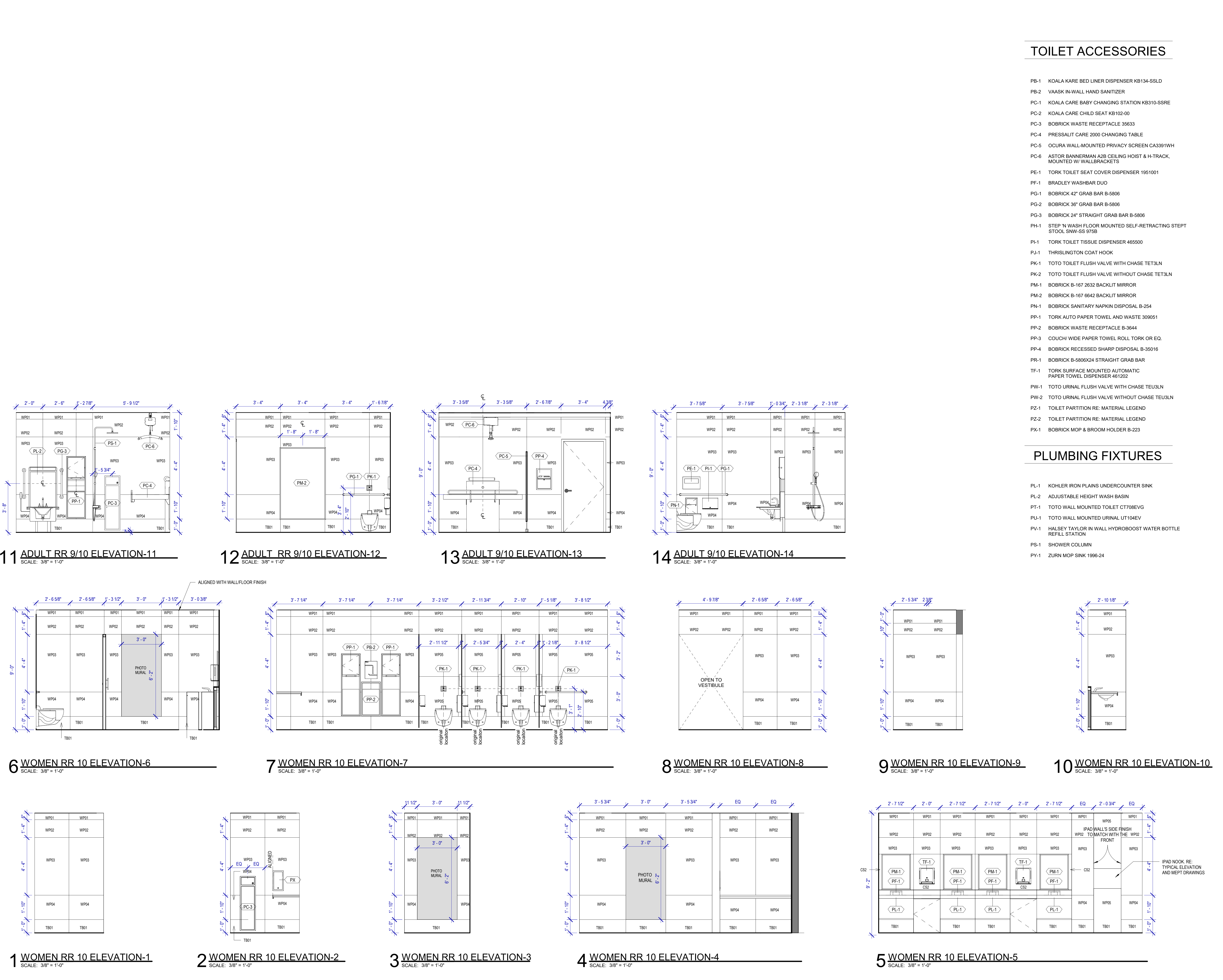
**DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM**

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

SHEET NAME:  
RR 9 & 10 - ELEVATIONS WOMEN

SHEET No. A-473 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



**11 ADULT RR 9/10 ELEVATION-11**  
SCALE: 3/8" = 1'-0"

**12 ADULT RR 9/10 ELEVATION-12**  
SCALE: 3/8" = 1'-0"

**13 ADULT 9/10 ELEVATION-13**  
SCALE: 3/8" = 1'-0"

**14 ADULT 9/10 ELEVATION-14**  
SCALE: 3/8" = 1'-0"

**6 WOMEN RR 10 ELEVATION-6**  
SCALE: 3/8" = 1'-0"

**7 WOMEN RR 10 ELEVATION-7**  
SCALE: 3/8" = 1'-0"

**8 WOMEN RR 10 ELEVATION-8**  
SCALE: 3/8" = 1'-0"

**9 WOMEN RR 10 ELEVATION-9**  
SCALE: 3/8" = 1'-0"

**10 WOMEN RR 10 ELEVATION-10**  
SCALE: 3/8" = 1'-0"

**1 WOMEN RR 10 ELEVATION-1**  
SCALE: 3/8" = 1'-0"

**2 WOMEN RR 10 ELEVATION-2**  
SCALE: 3/8" = 1'-0"

**3 WOMEN RR 10 ELEVATION-3**  
SCALE: 3/8" = 1'-0"

**4 WOMEN RR 10 ELEVATION-4**  
SCALE: 3/8" = 1'-0"

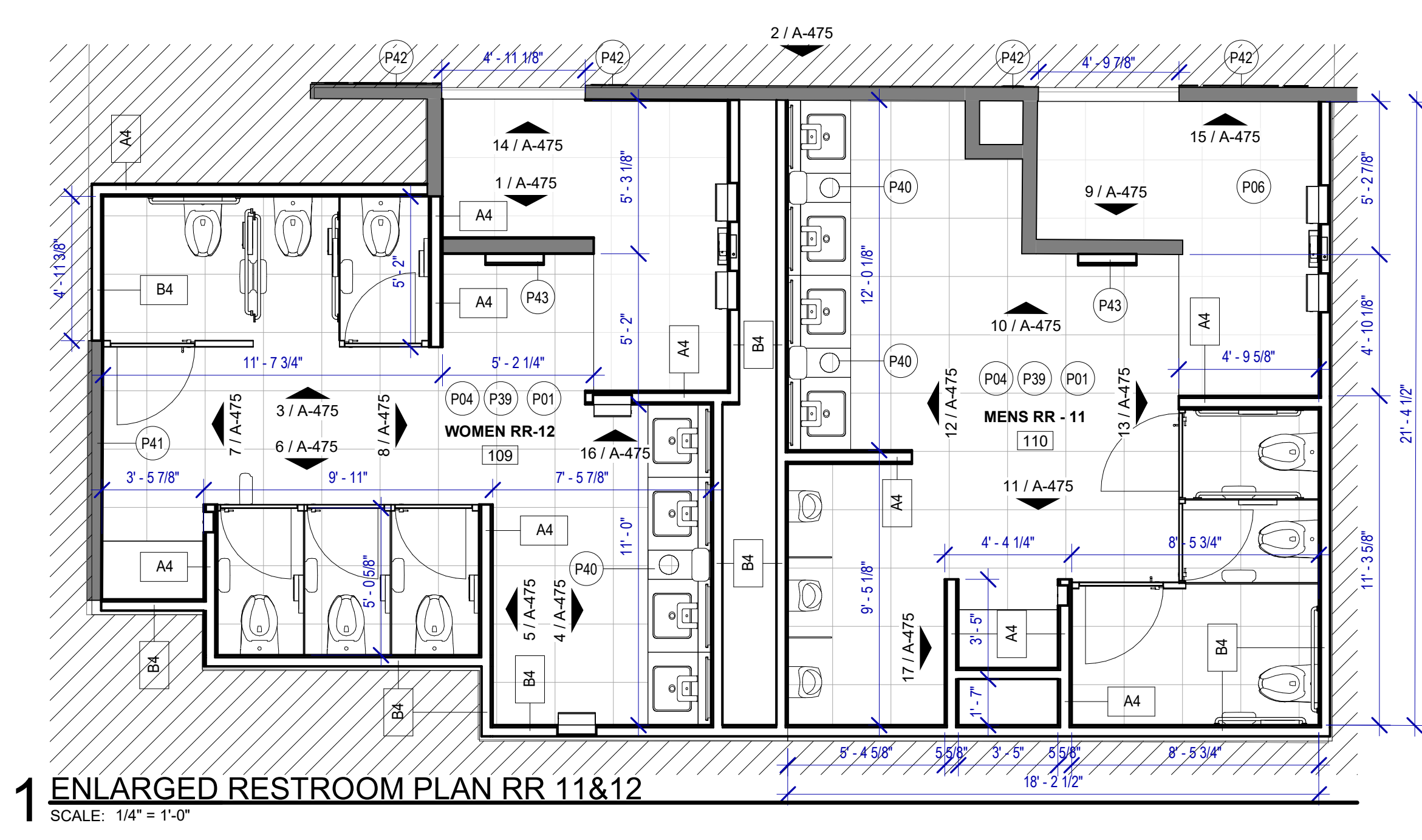
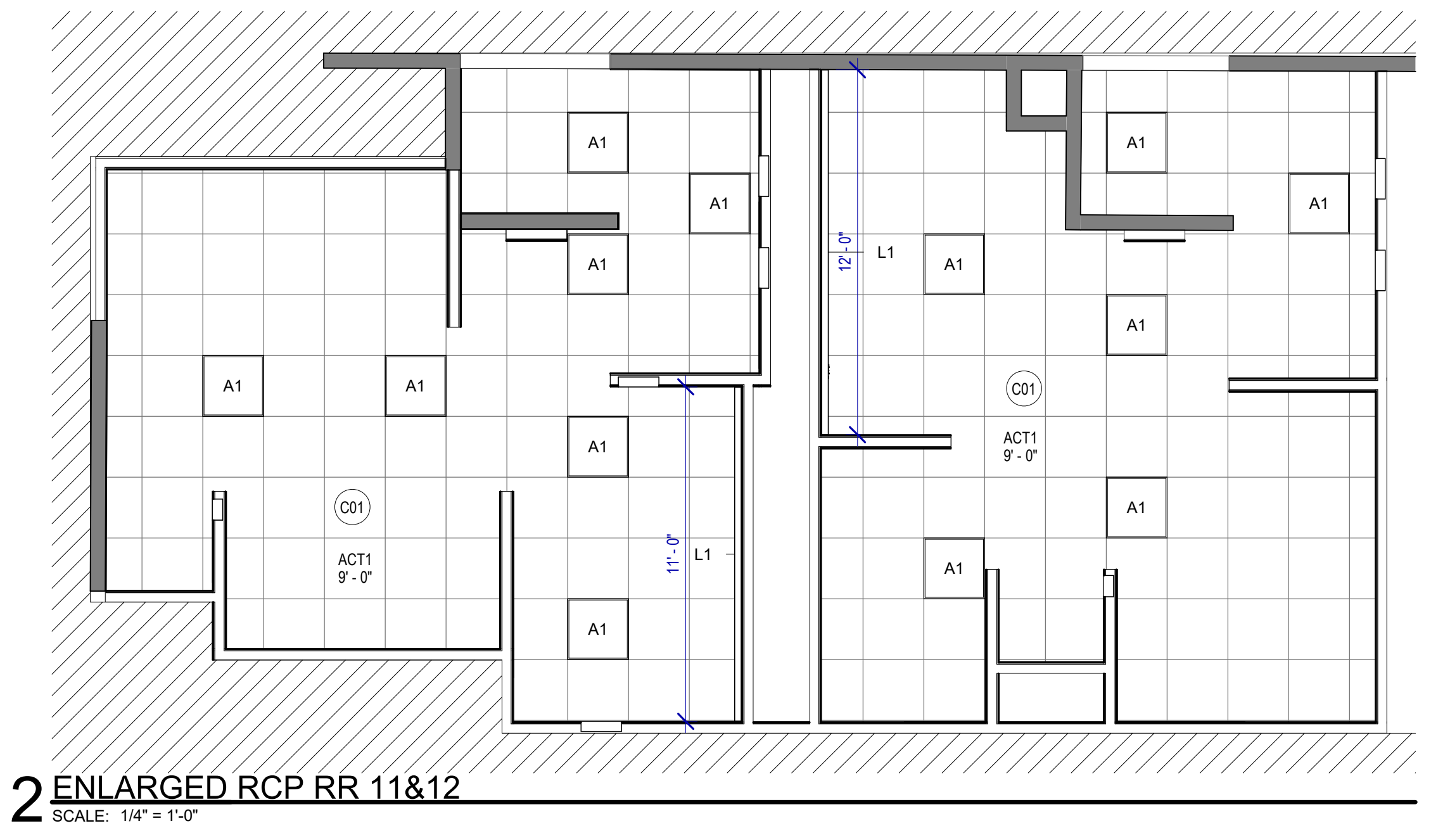
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SCALE: 3/8" = 1'-0"

IPAD NOOK RE: TYPICAL ELEVATION AND MEPT DRAWINGS

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE: FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26 Terminal A RR Refresh-Central.rvt  
HAS FILE:



### FLOOR PLAN GENERAL NOTES

1. PATCH, REPAIR & FINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

### KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACED IN THE ORIGINAL LOCATION
P01	NEW TOILETS AND URINALS TO BE INSTALLED IN THE EXISTING LOCATION, IF NOT OTHERWISE SPECIFIED
P04	DALTILE PORTFOLIO 24"x24" CHARCOAL - FLOOR
P06	DALTILE PORTFOLIO 24"x24" ICE WHITE - FLOOR
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
P40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE. TYP. FOR LAVATORIES STATIONS
P41	NEW PHOTO MURAL. REFER TO ELEVATION
P42	NEW RESTROOM SIGNAGE. REFER TO ELEVATION
P43	CUSTOMER SERVICE IPAD DOCKING STATION. REF. TO TYP. ELEVATION



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### IAH TERMINAL A RESTROOMS REFRESH

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

### RDLR Architects

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### HENDERSON ROGERS

structural engineers

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713.430.5800 www.hendersonrogers.com



DESIGNER PROJECT No.:  
PROJECT STATUS:

IFB

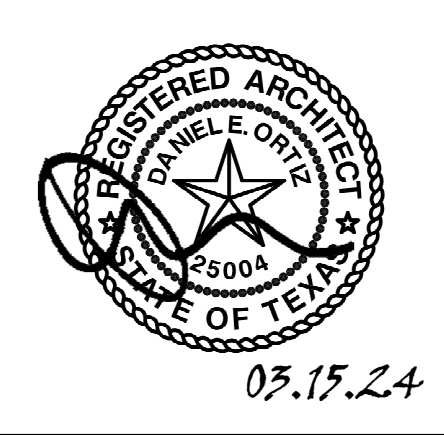
### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
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CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

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**IFB**  
ISSUED FOR BIDDING



SHEET NAME: RR 11 & 12 - PLANS & RCP

SHEET No. A-474 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

**REVISIONS**

NO.	DESCRIPTION	DATE	BY
PL-1	KOHLER IRON PLAINS UNDERCOUNTER SINK		
PL-2	ADJUSTABLE HEIGHT WASH BASIN		
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		
PS-1	SHOWER COLUMN		
PY-1	ZURN MOP SINK 1996-24		

DESIGN BY:	GP
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APPROVED BY:	DO
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**IFB**  
ISSUED FOR BIDDING

SHEET NAME:  
RR 11 & 12 - ELEVATIONS

SHEET No. A-475 SCALE: As indicated

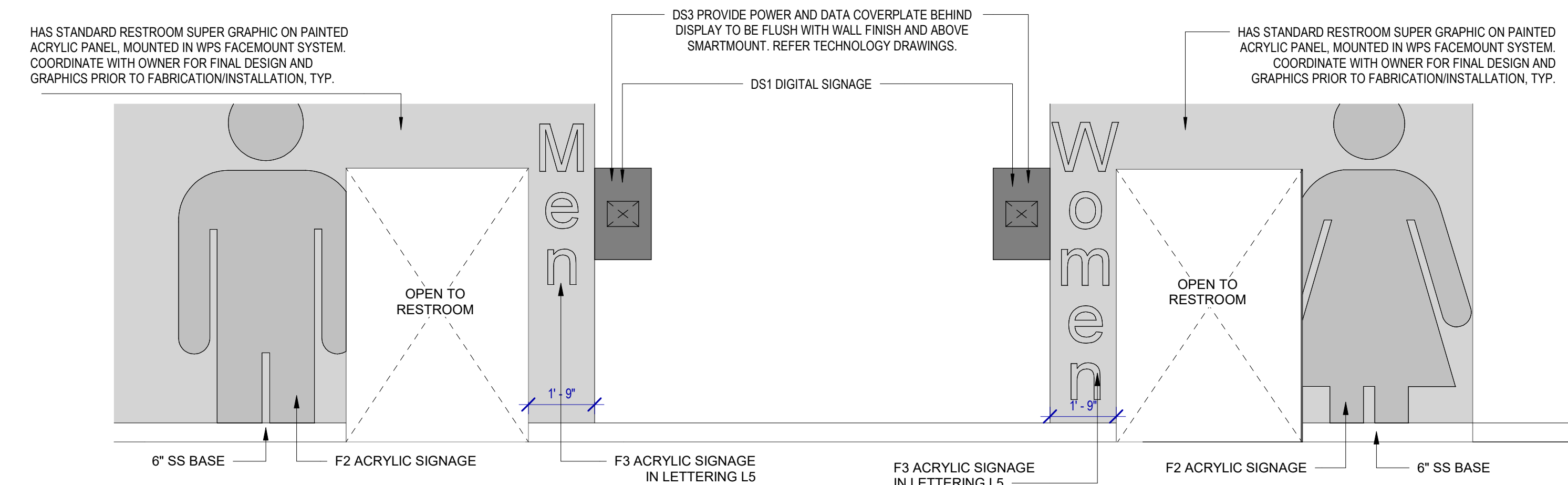
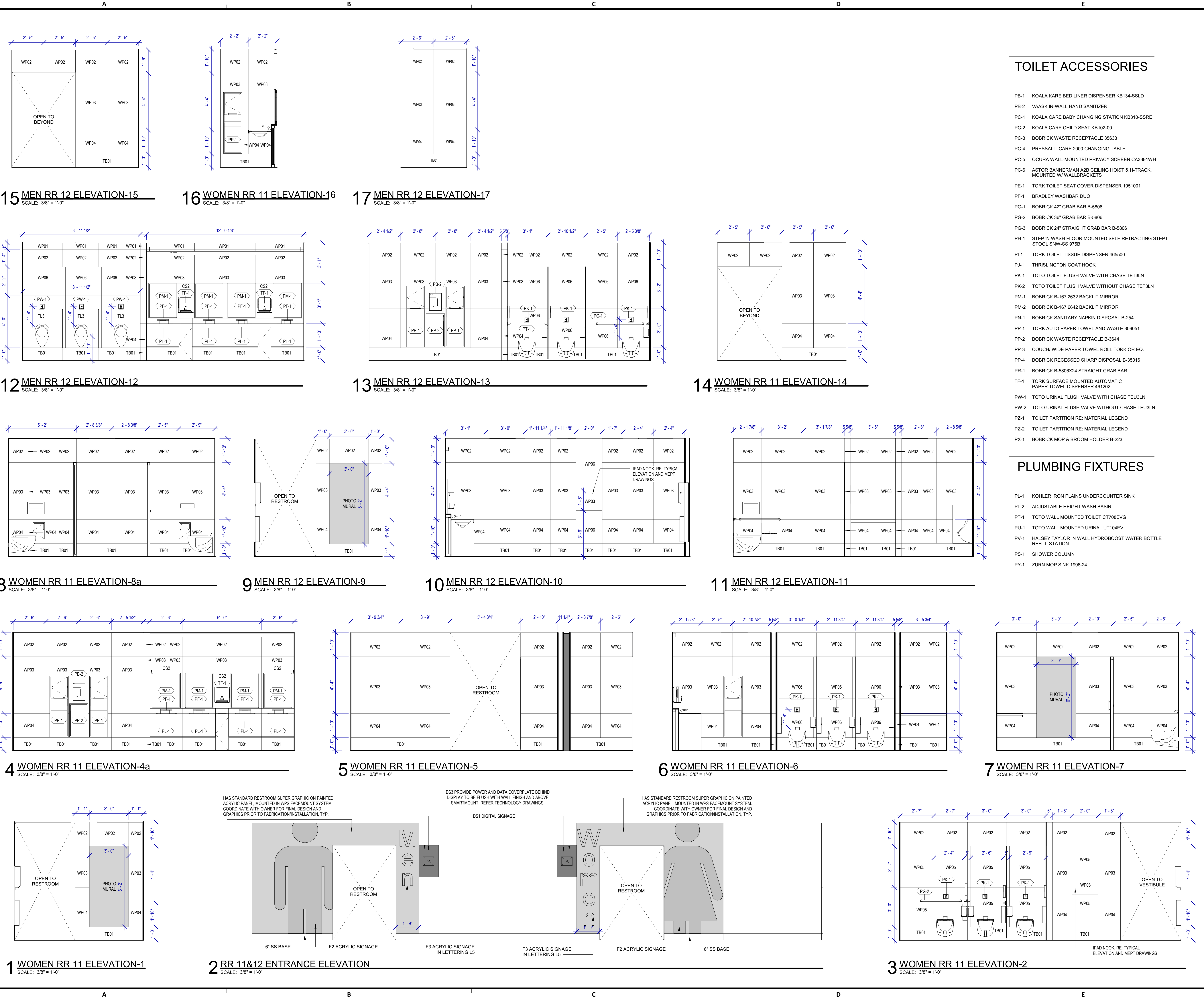
SHEET SIZE: 30"x42" ARCH E1

**TOILET ACCESSORIES**

- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
- PC-6 ASTOR BANNERMAN A26 CEILING HOIST & H-TRACK, MOUNTED W/ WALLBRACKETS
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR DUO
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPT STOOL SNW-SS 975B
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- PJ-1 THRSLINGTON COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET3LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
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- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PW-2 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

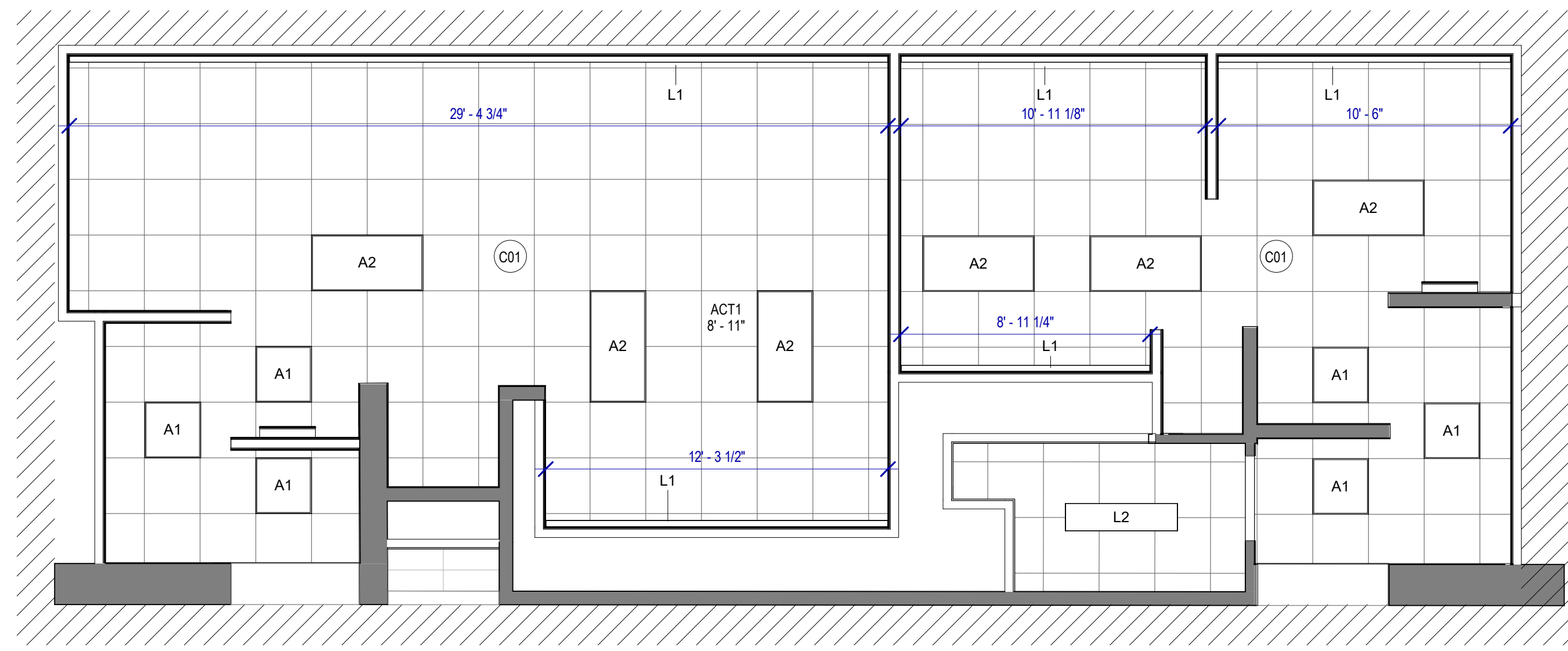
- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
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- PY-1 ZURN MOP SINK 1996-24



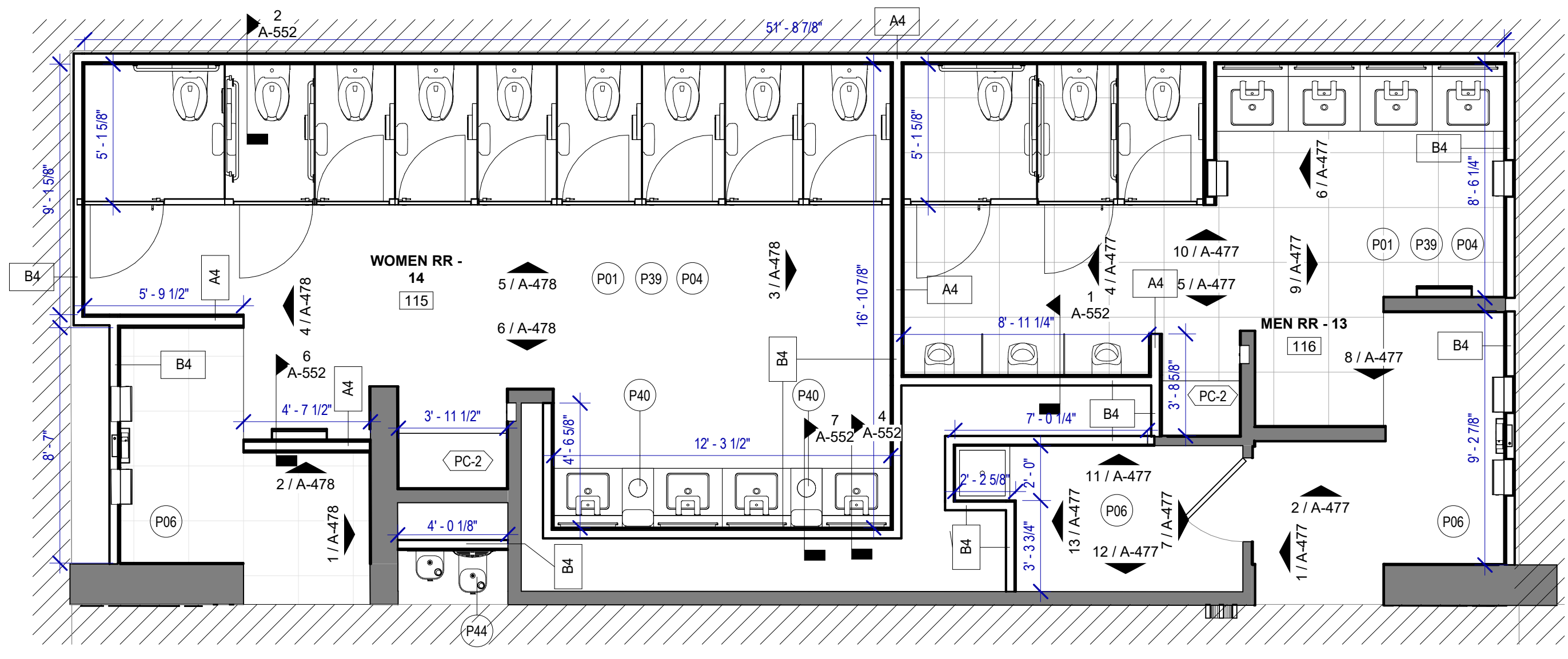
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OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt  
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**2 ENLARGED RCP RR 13&14**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED RESTROM PLAN RR 13&14**  
SCALE: 1/4" = 1'-0"

**FLOOR PLAN GENERAL NOTES**

1. PATCH, REPAIR & FINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACTED IN THE ORIGINAL LOCATION
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P06	DALTILE PORTFOLIO 24"x24" ICE WHITE - FLOOR
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
F40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE, TYP. FOR LAVATORIES STATIONS
P44	NEW DRINKING FOUNTAIN - MATCH EXISTING LOCATION
PC-2	KOALA CARE CHILD SEAT KB102-00



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**IAH TERMINAL A RESTROOMS REFRESH**

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

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713.430.5800  
www.hendersonrogers.com



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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

**DIRECTOR of HOUSTON AIRPORT SYSTEM**

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

SHEET NAME: RR 13 & 14 - PLANS & RCP  
SHEET No. A-476 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1





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PROJECT STATUS: **IFB**

**REVISIONS**

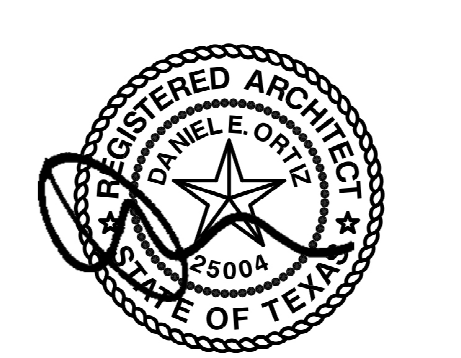
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APPROVAL DATE: 03/15/2024

**DIRECTOR  
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**IFB**  
ISSUED FOR BIDDING



05.15.24

SHEET NAME: RR 13 & 14 - ELEVATIONS WOMEN

SHEET No. A-478 SCALE: As indicated

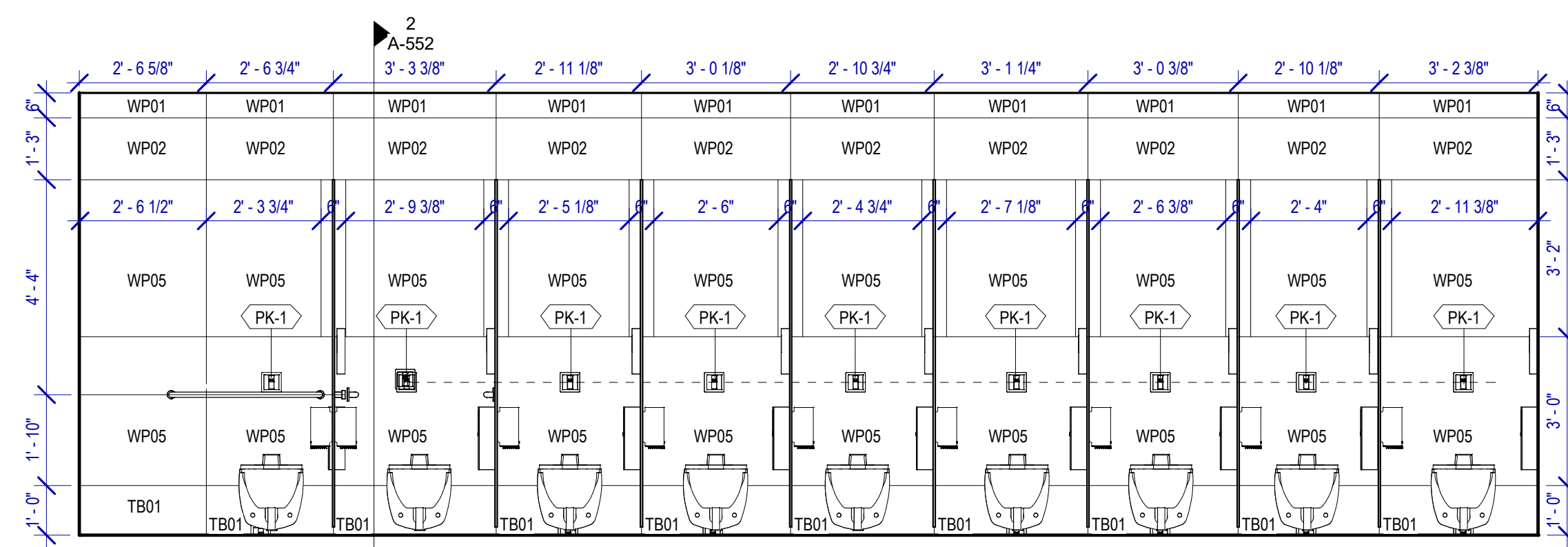
SHEET SIZE: 30"x42" ARCH E1

**TOILET ACCESSORIES**

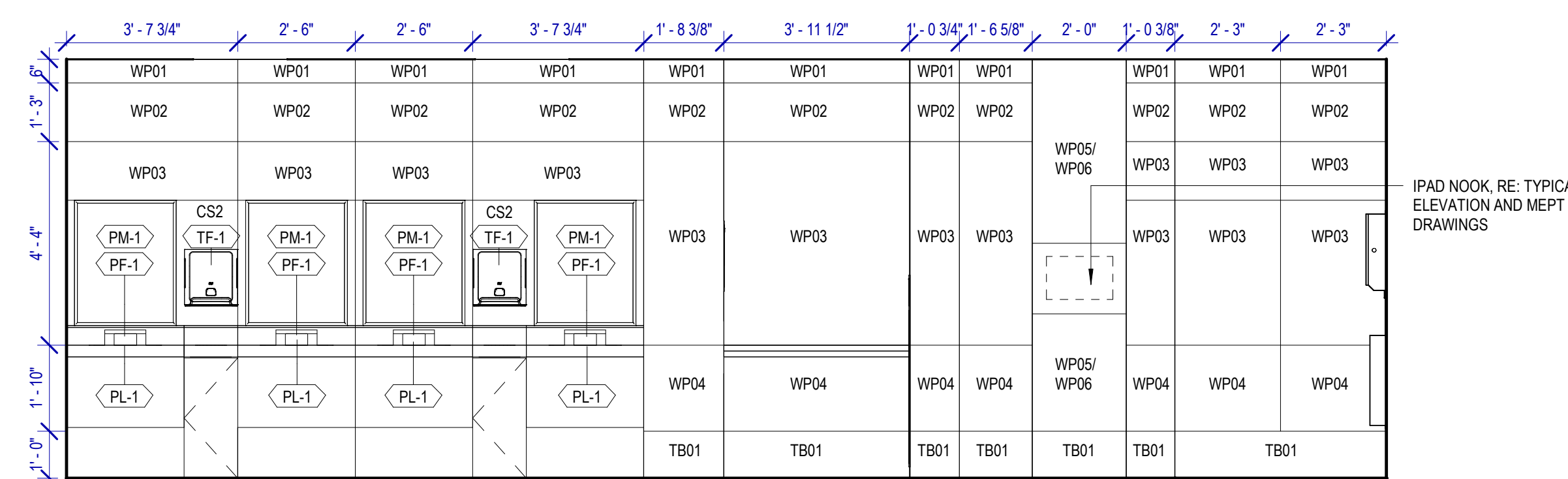
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
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- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

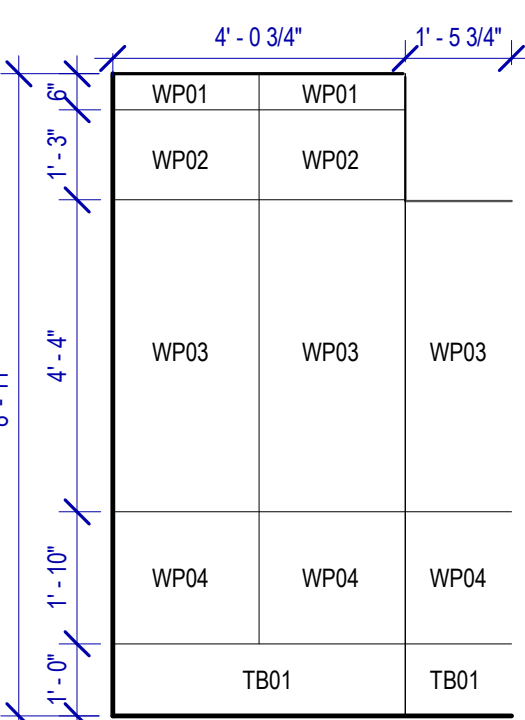
- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
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- PY-1 ZURN MOP SINK 1996-24



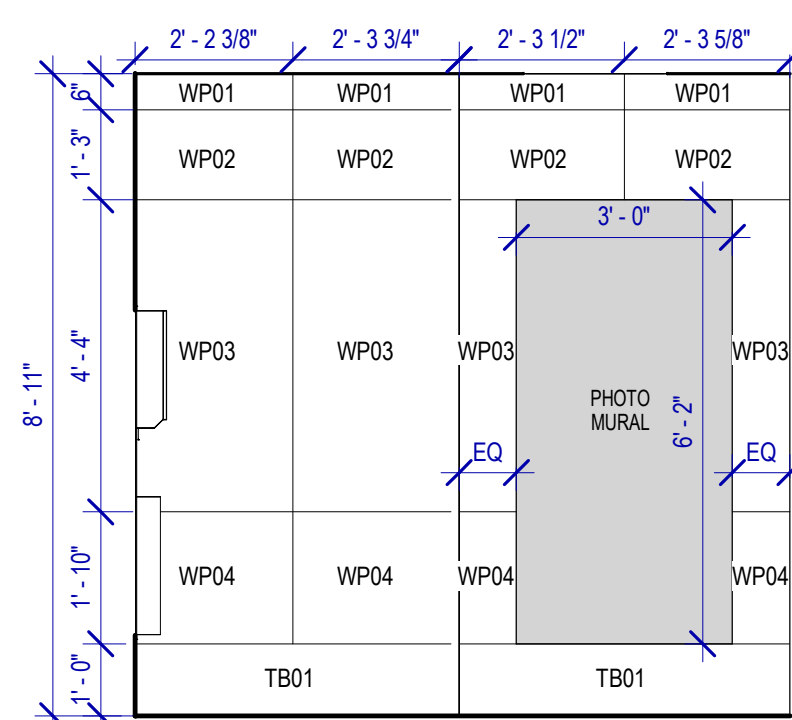
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SCALE: 3/8" = 1'-0"



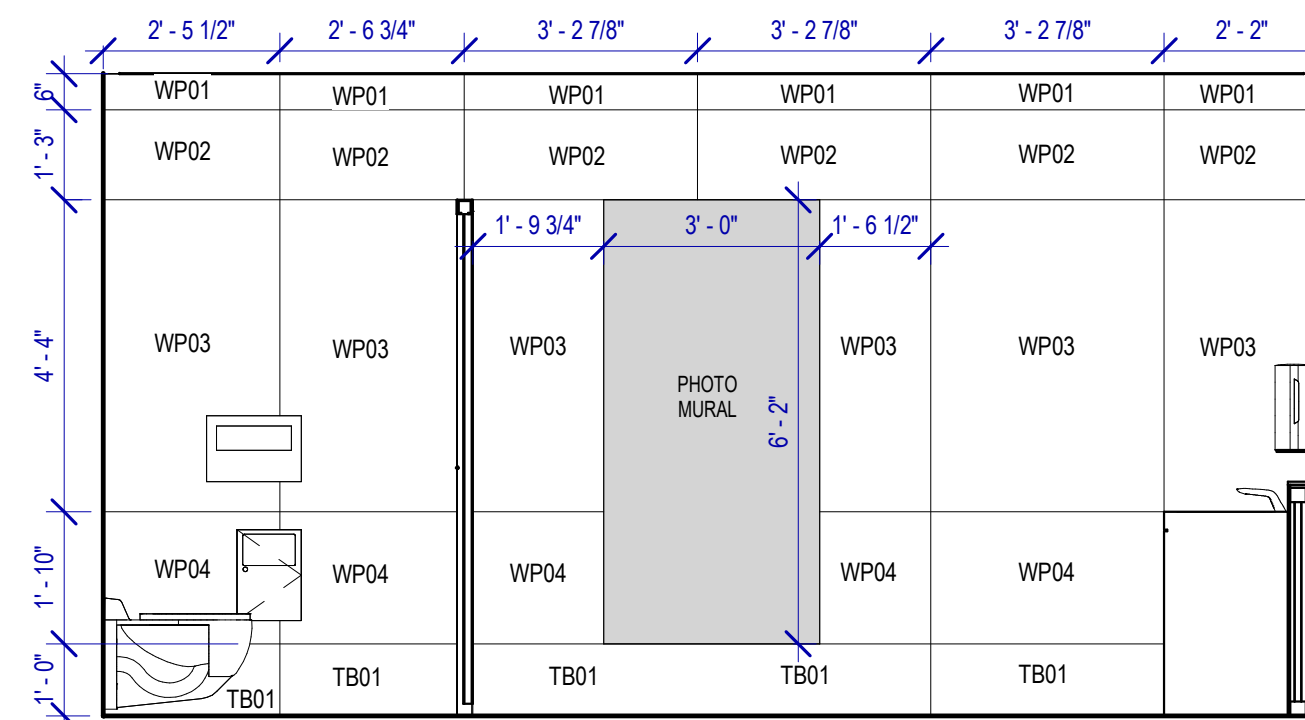
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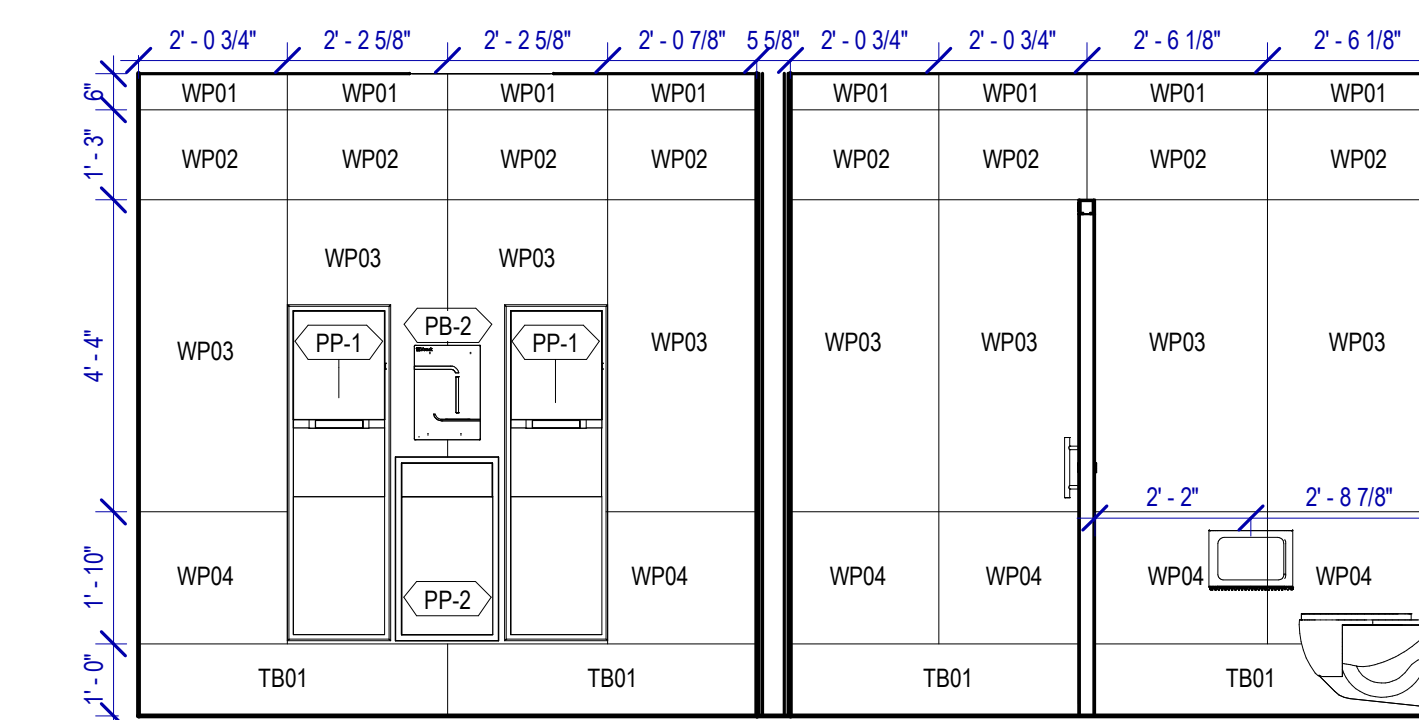
**1 WOMEN RR 13 ELEVATION-1**  
SCALE: 3/8" = 1'-0"



**2 WOMEN RR 13 ELEVATION-2**  
SCALE: 3/8" = 1'-0"



**3 WOMEN RR 13 ELEVATION-3**  
SCALE: 3/8" = 1'-0"



**4 WOMEN RR 13 ELEVATION-4**  
SCALE: 3/8" = 1'-0"

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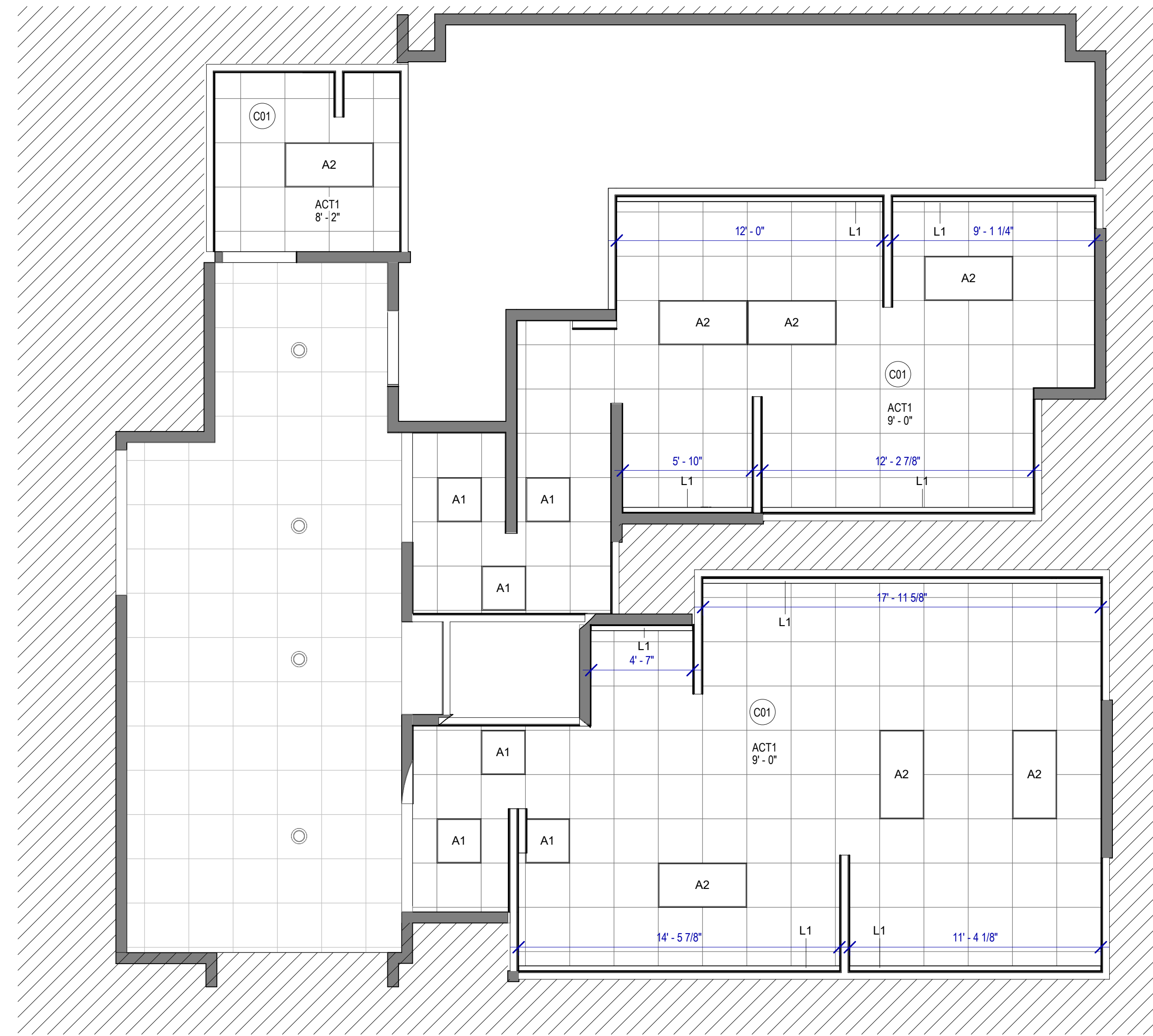
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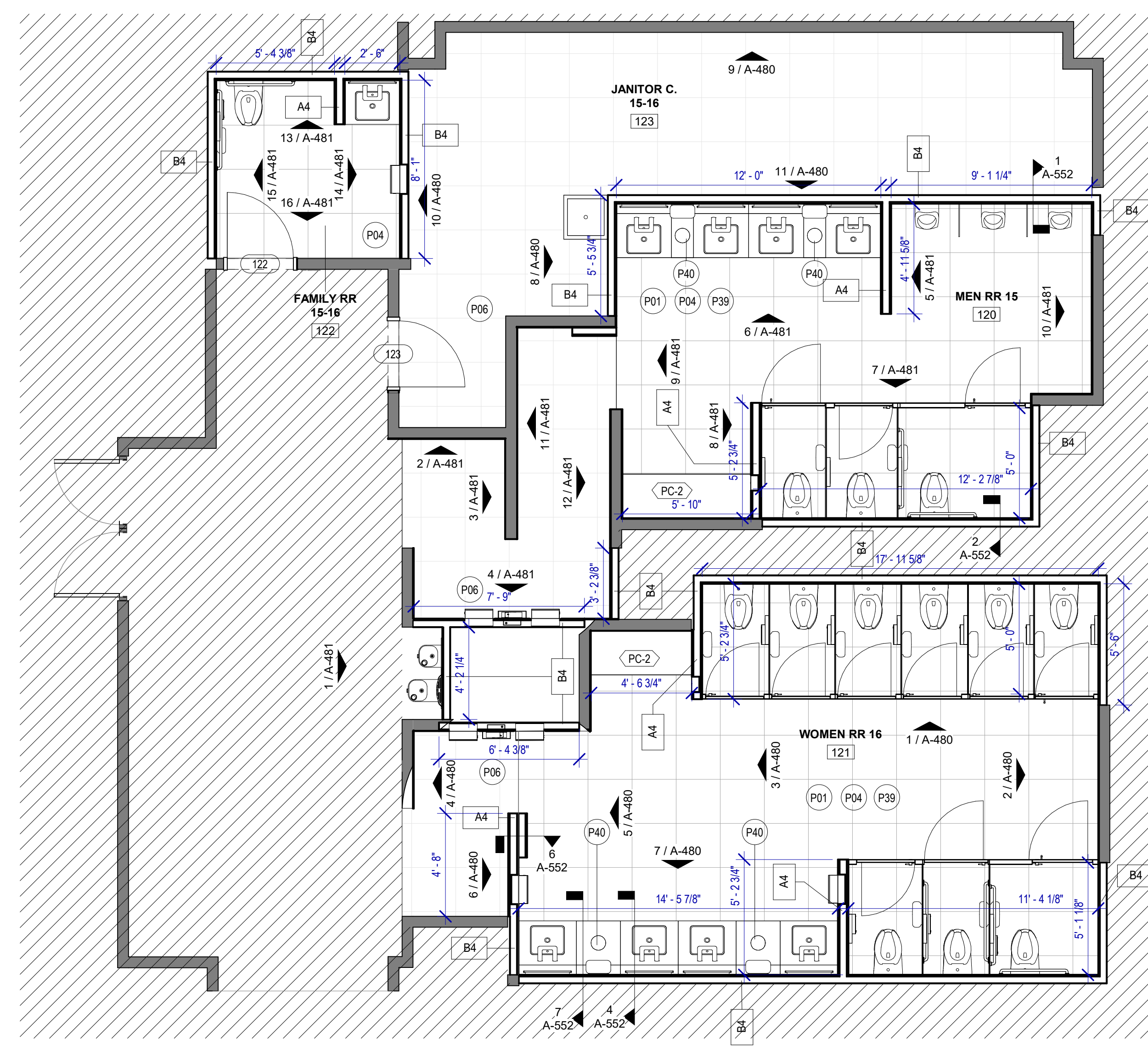


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HAS FILE:



**2 ENLARGED RCP RR 15&16**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED RESTROM PLAN RR 15&16**  
SCALE: 1/4" = 1'-0"

**FLOOR PLAN GENERAL NOTES**

1. PATCH, REPAIR & FINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACED IN THE ORIGINAL LOCATION
P01	NEW TOILETS AND URINALS TO BE INSTALLED IN THE EXISTING LOCATION, IF NOT OTHERWISE SPECIFIED
P04	DALTILE PORTFOLIO 24"x34" CHARCOAL - FLOOR
P06	DALTILE PORTFOLIO 24"x24" ICE WHITE - FLOOR
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
P40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE. TYP. FOR LAVATORIES STATIONS
PC-2	KOALA CARE CHILD SEAT KB102-00



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DESIGNER PROJECT No.:  
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**REVISIONS**

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Review/Approval Category  
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ISSUED FOR BIDDING

SHEET NAME: RR 15 & 16 - PLANS & RCP  
SHEET No. A-479 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

No.	DESCRIPTION	DATE	BY

DESIGN BY:	GP
DRAWN BY:	GP/FF/SF/RB
CHECKED BY:	DO
ISSUE DATE:	03/15/2024
APPROVED BY:	DO
APPROVAL DATE:	03/15/2024

**DIRECTOR**  
of  
**HOUSTON AIRPORT SYSTEM**

Review/Approval Stamp  
**IFB**  
ISSUED FOR BIDDING

SHEET NAME:  
RR 15 & 16 - ELEVATIONS WOMEN  
SHEET No. A-480 SCALE: As indicated

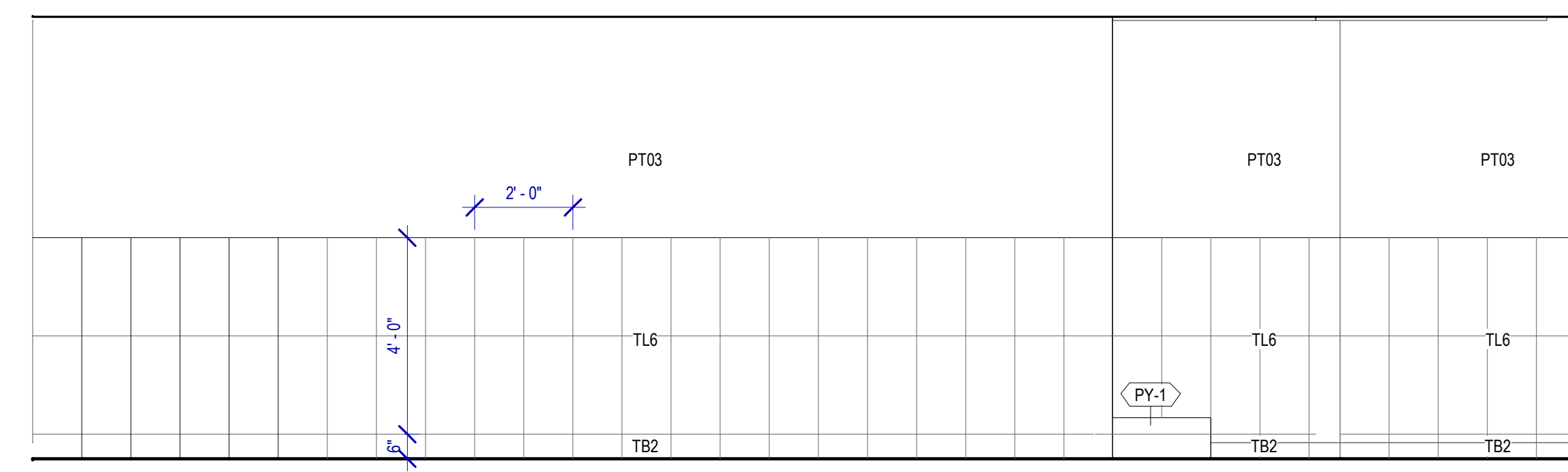
SHEET SIZE: 30"x42" ARCH E1

**TOILET ACCESSORIES**

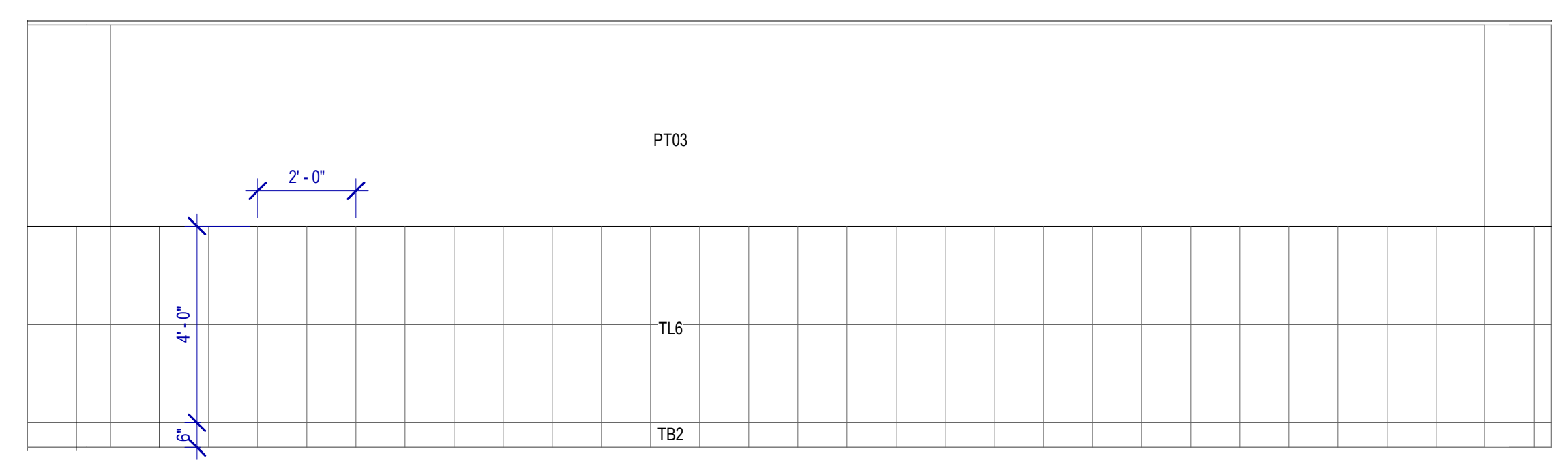
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- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
- PC-6 ASTOR BANNERMAN A2B CEILING HOIST & H-TRACK, MOUNTED W/ WALLBRACKETS
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR DUO
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPT STOOL SNW-SS 975B
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRISLINGTON COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TEU3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TEU3LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 6642 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 COUCH/ WIDE PAPER TOWEL ROLL TORK OR EQ.
- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-5806X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PW-2 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

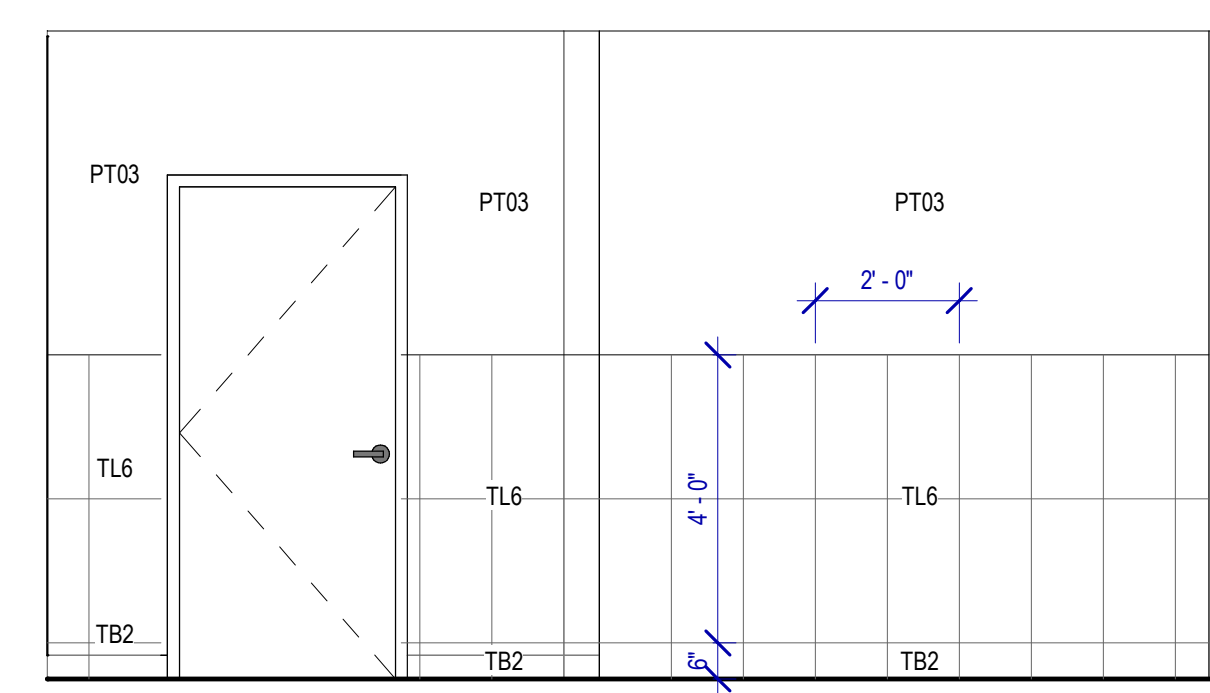
- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
- PL-2 ADJUSTABLE HEIGHT WASH BASIN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PJ-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PS-1 SHOWER COLUMN
- PY-1 ZURN MOP SINK 1996-24



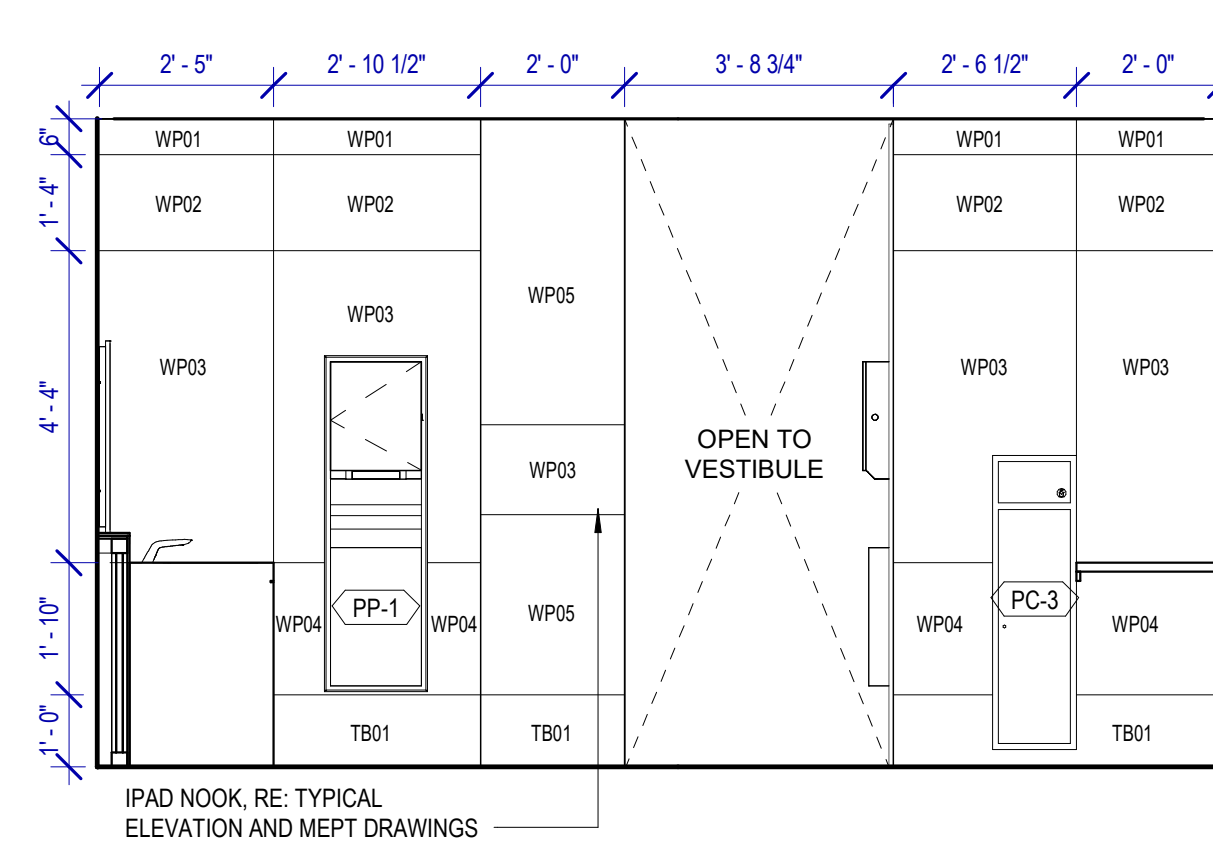
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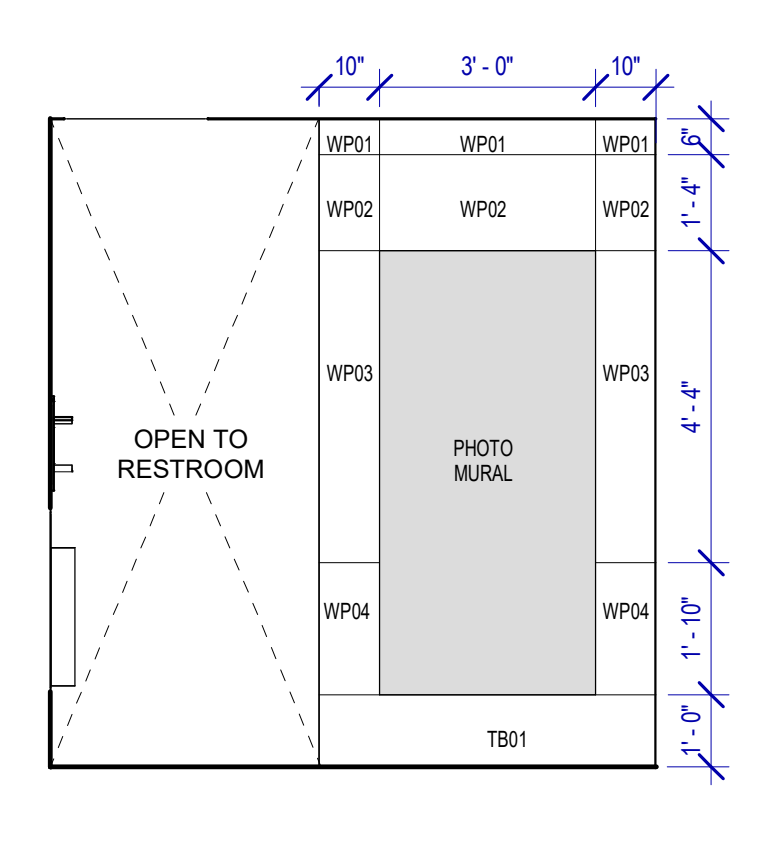
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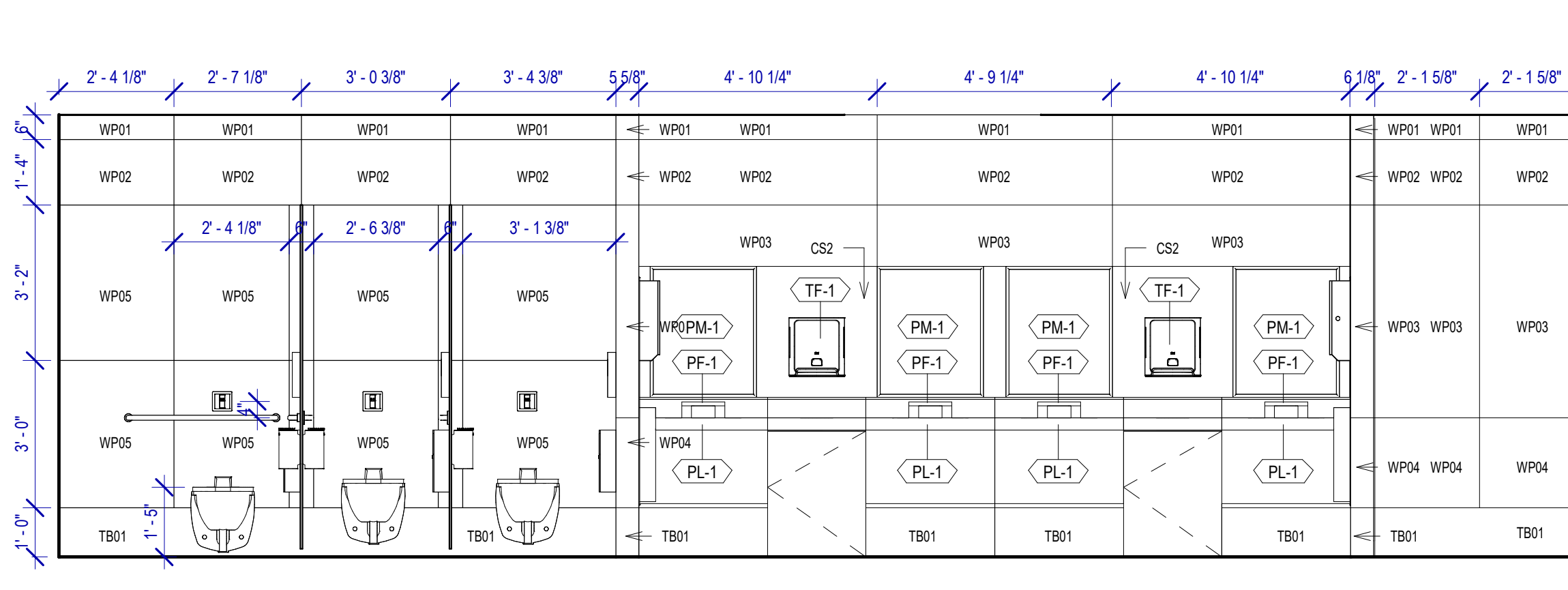
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SCALE: 3/8" = 1'-0"



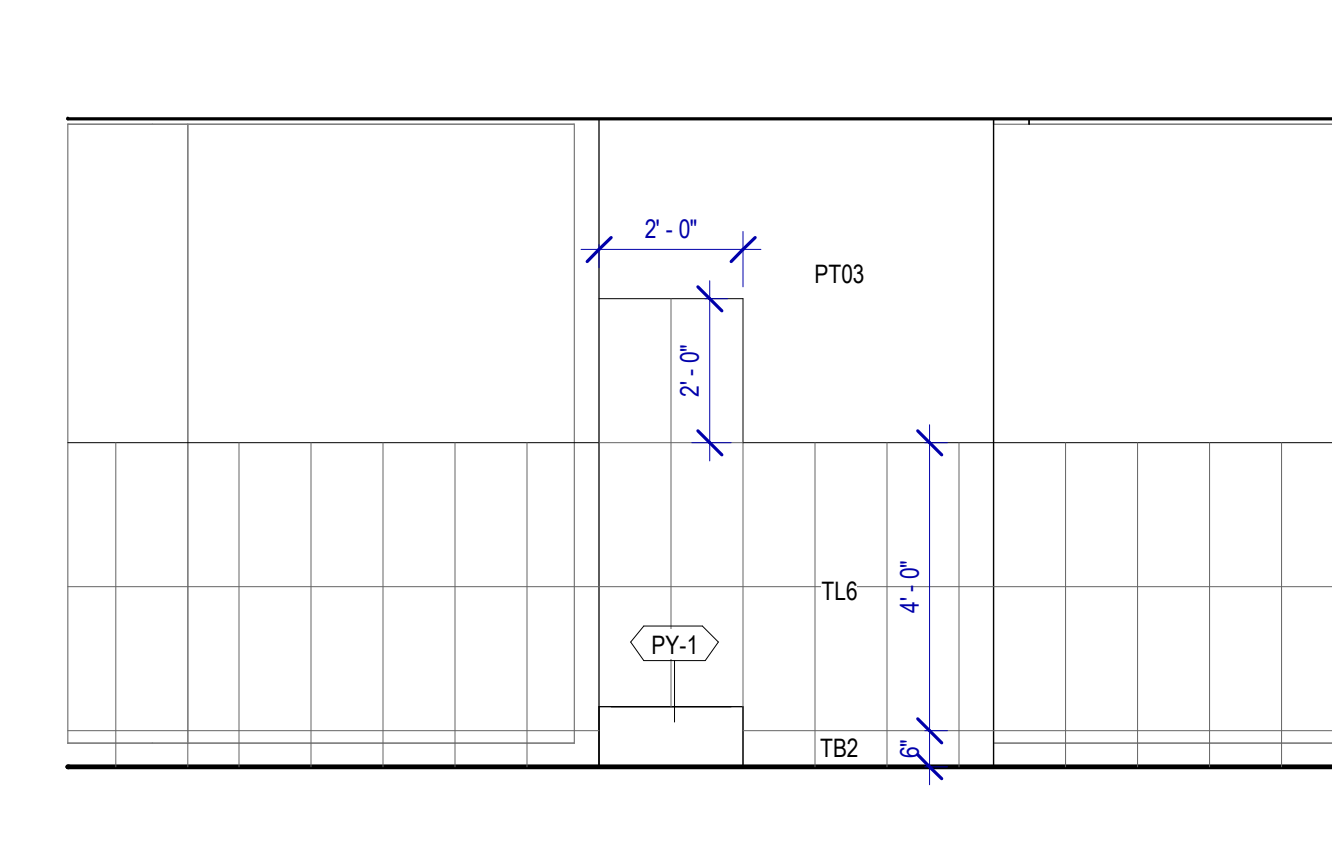
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SCALE: 3/8" = 1'-0"



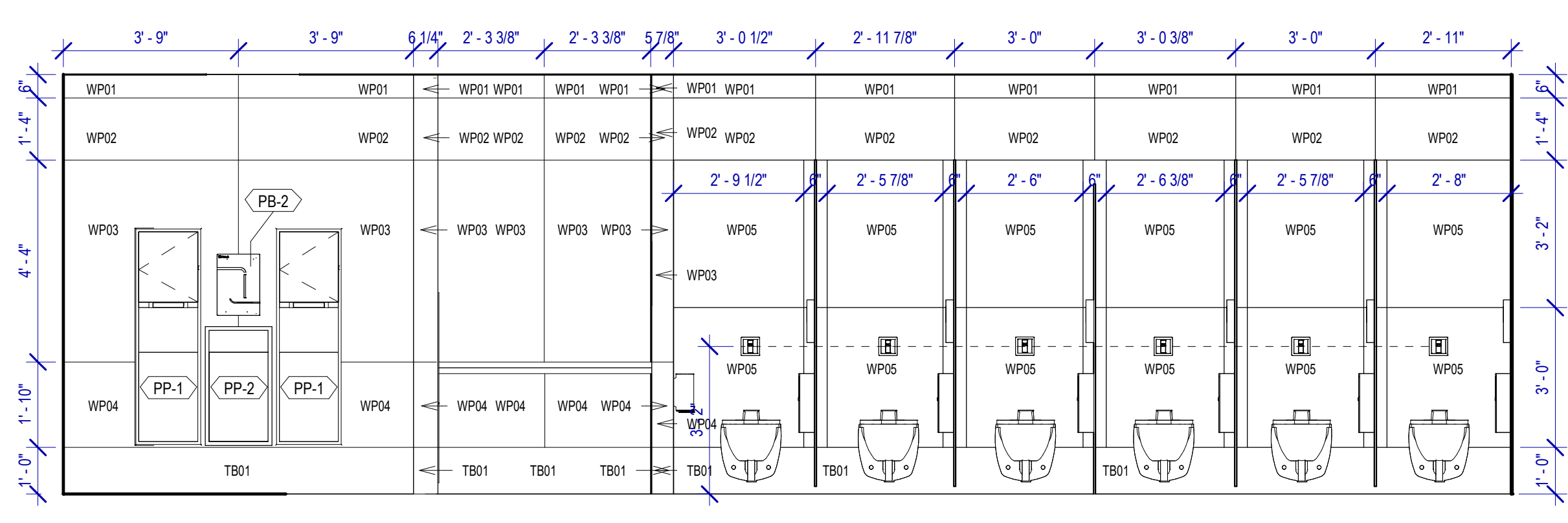
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SCALE: 3/8" = 1'-0"



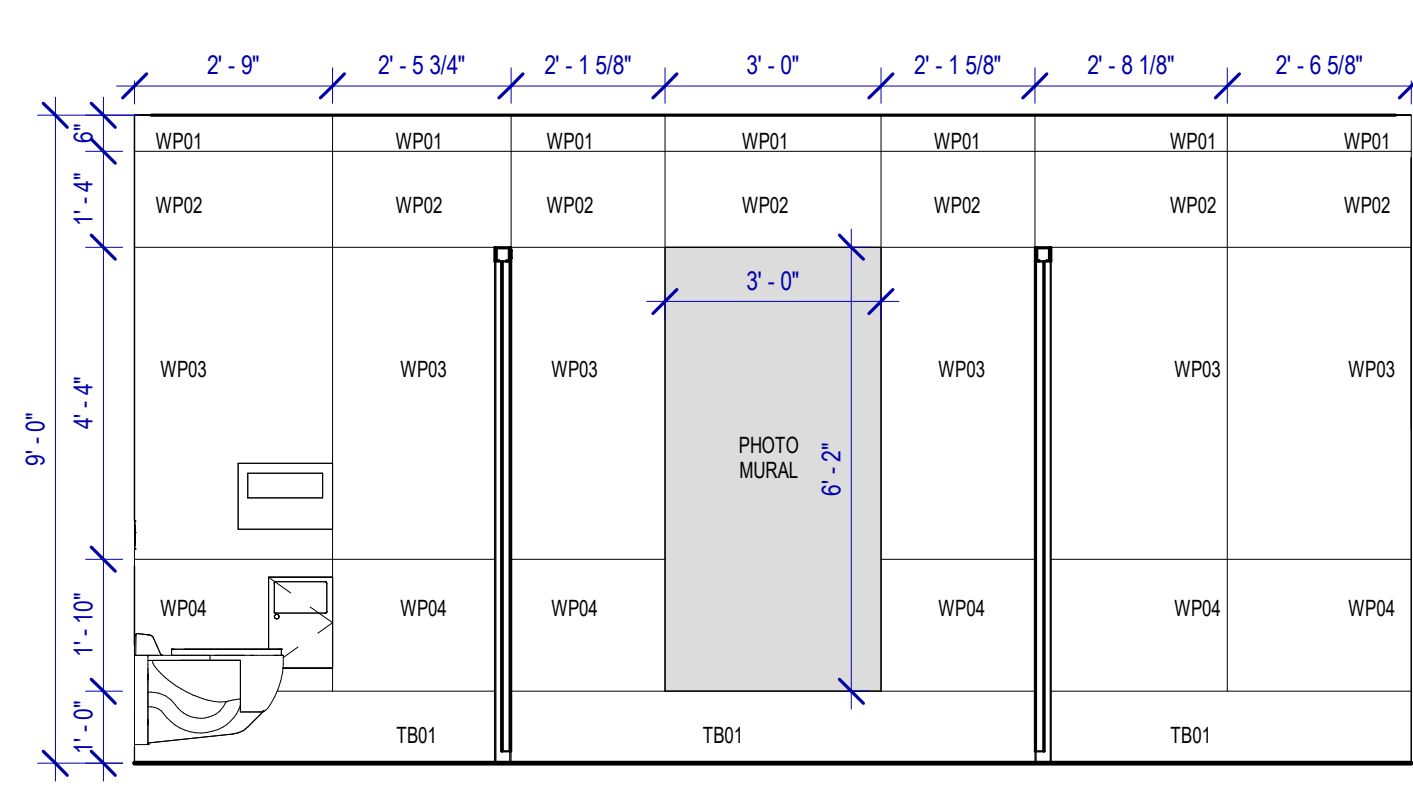
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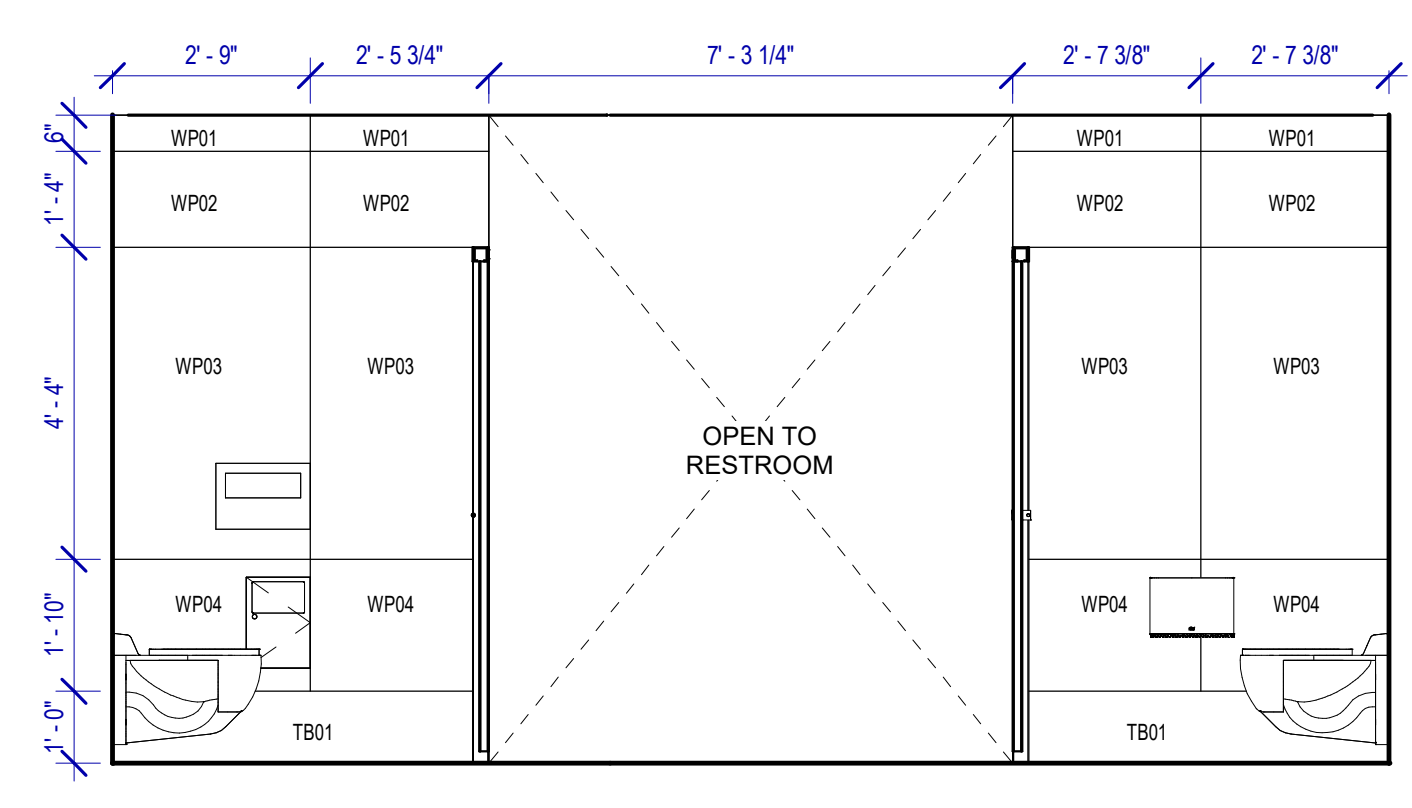
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SCALE: 3/8" = 1'-0"



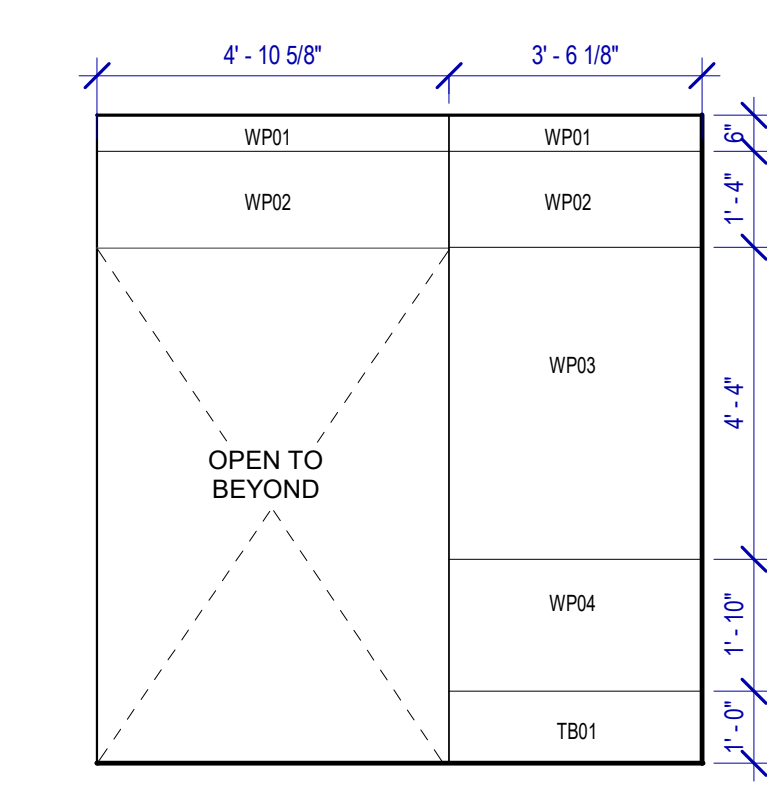
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SCALE: 3/8" = 1'-0"



**2 WOMEN RR 16 ELEVATION-2**  
SCALE: 3/8" = 1'-0"



**3 WOMEN RR 16 ELEVATION-3**  
SCALE: 3/8" = 1'-0"



**4 WOMEN RR 16 ELEVATION-4**  
SCALE: 3/8" = 1'-0"

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY
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DESIGN BY:	GP
DRAWN BY:	GP/FF/SF/RB
CHECKED BY:	DO
ISSUE DATE:	03/15/2024
APPROVED BY:	DO
APPROVAL DATE:	03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

Review/Approval Category

**IFB**  
ISSUED FOR BIDDING

SHEET NAME: RR 15 & 16 - ELEVATIONS MEN

SHEET No. A-481 SCALE: As indicated

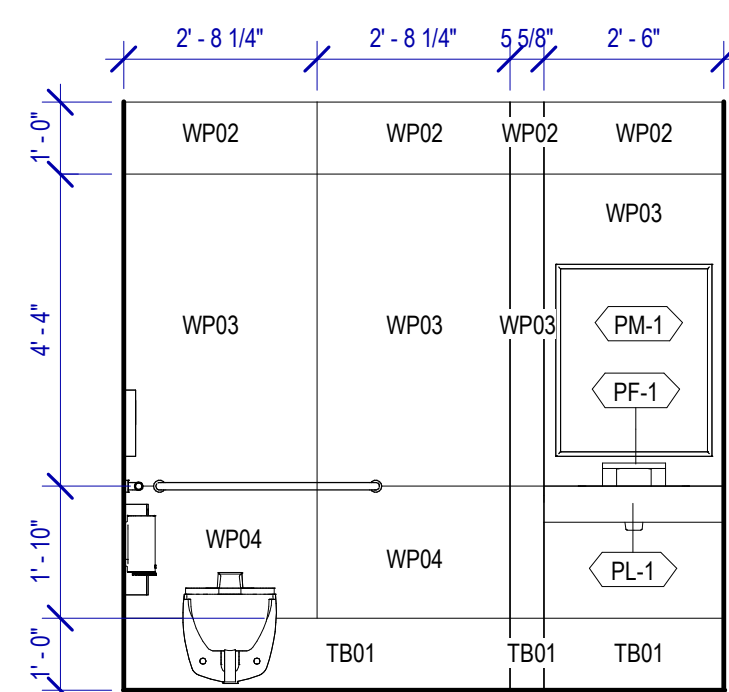
SHEET SIZE: 30"x42" ARCH E1

**TOILET ACCESSORIES**

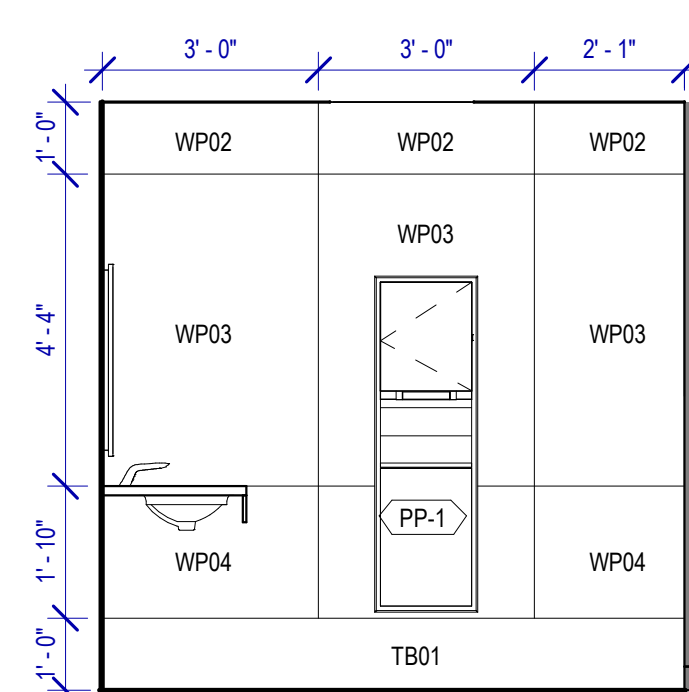
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- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
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- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPTOOL SNW-SS 975B
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- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

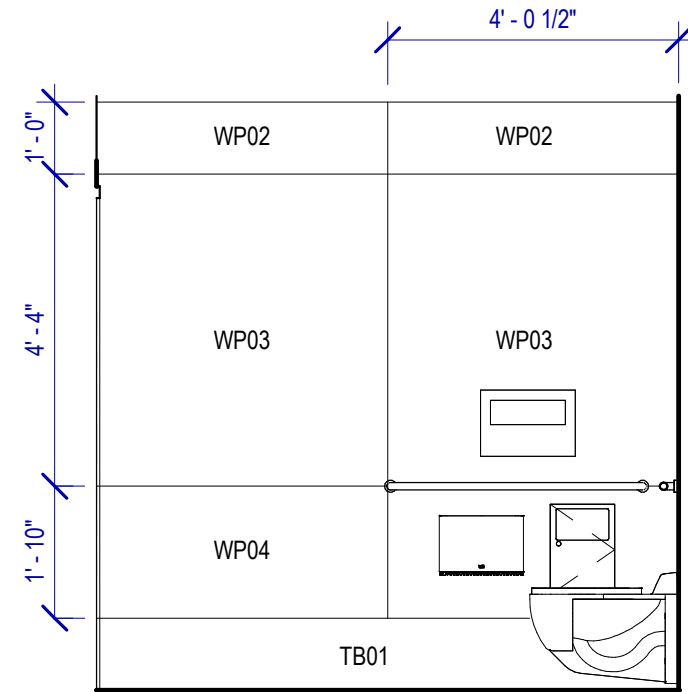
- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
- PL-2 ADJUSTABLE HEIGHT WASH BASIN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PS-1 SHOWER COLUMN
- PY-1 ZURN MOP SINK 1996-24



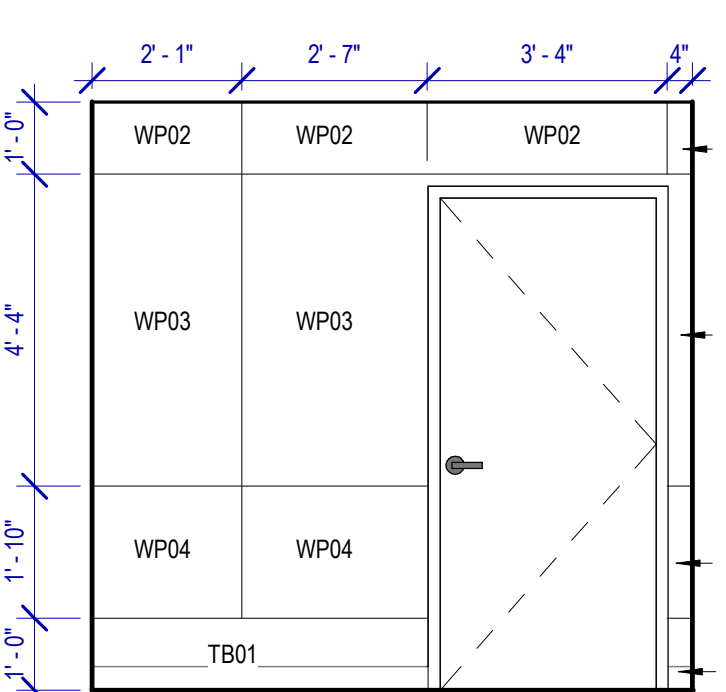
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SCALE: 3/8" = 1'-0"



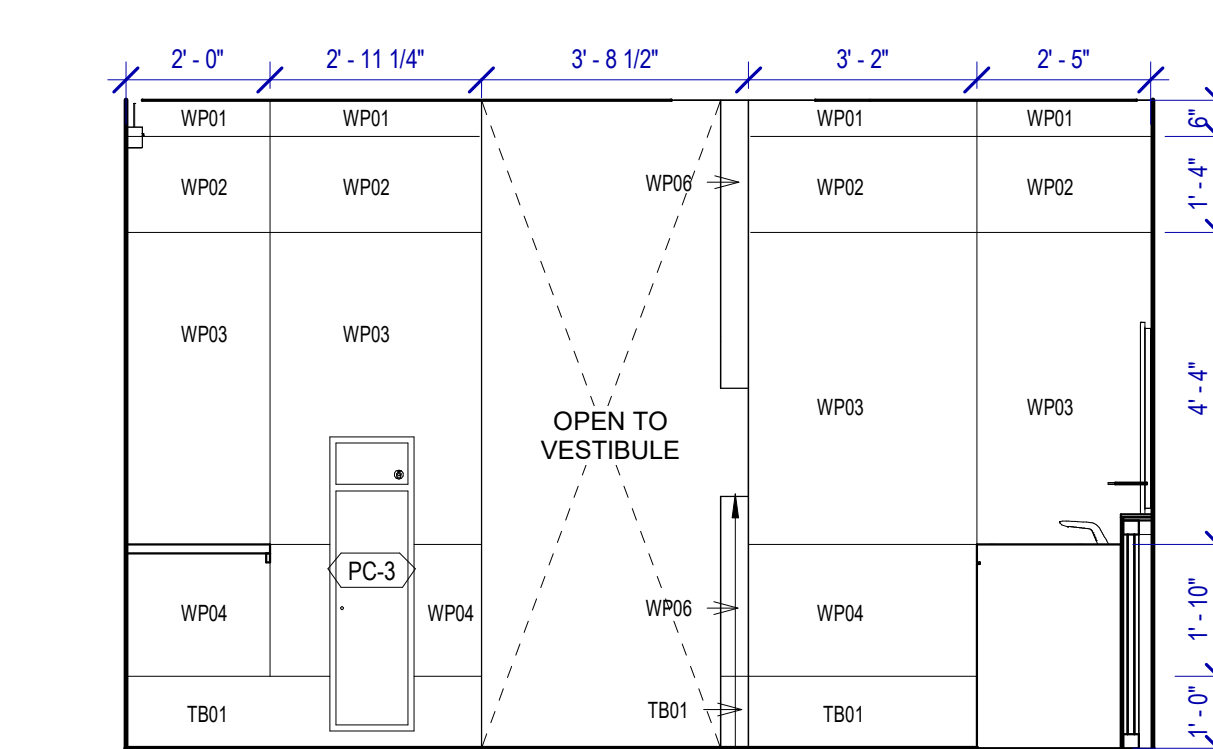
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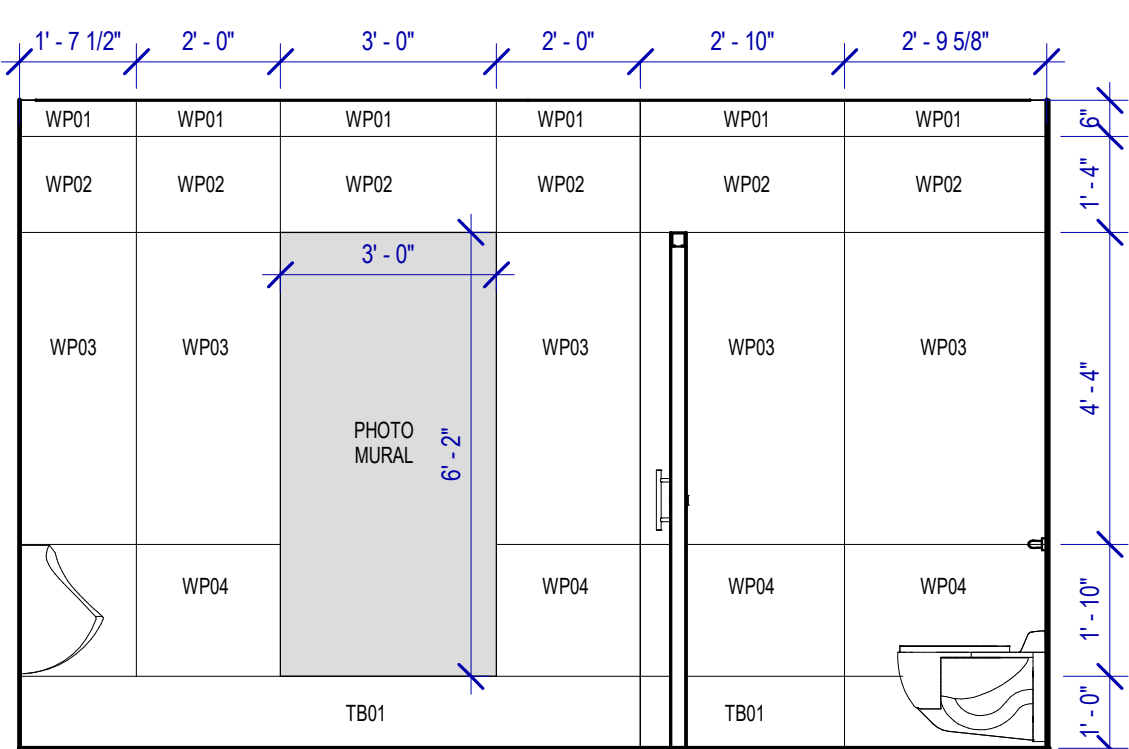
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SCALE: 3/8" = 1'-0"



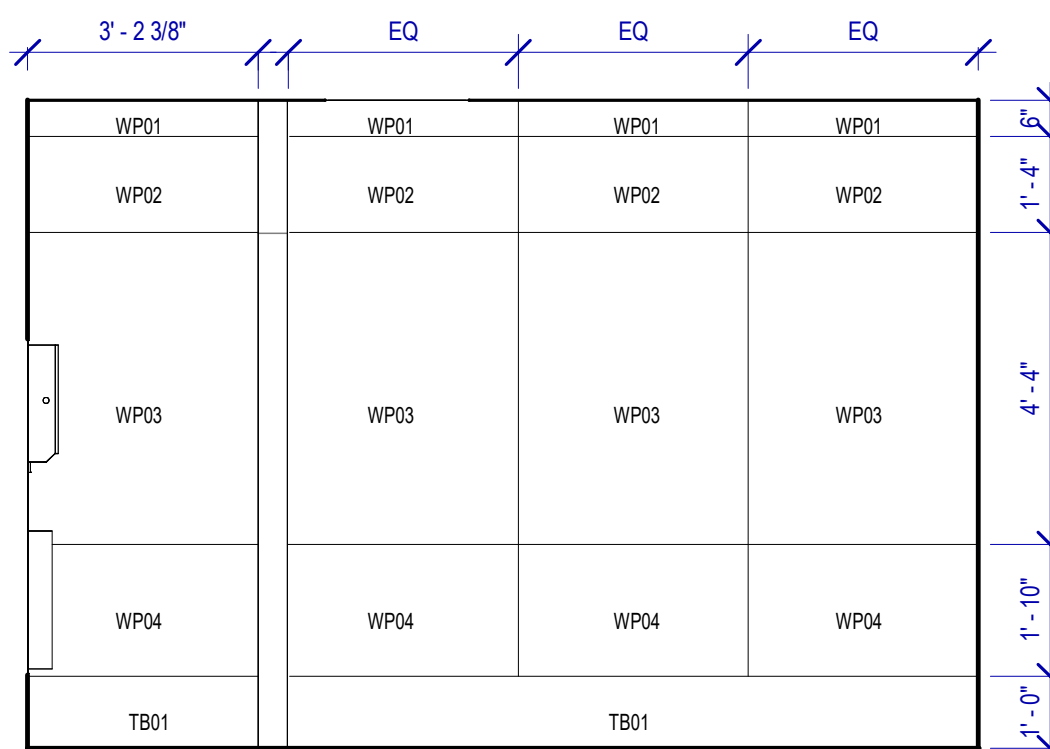
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SCALE: 3/8" = 1'-0"



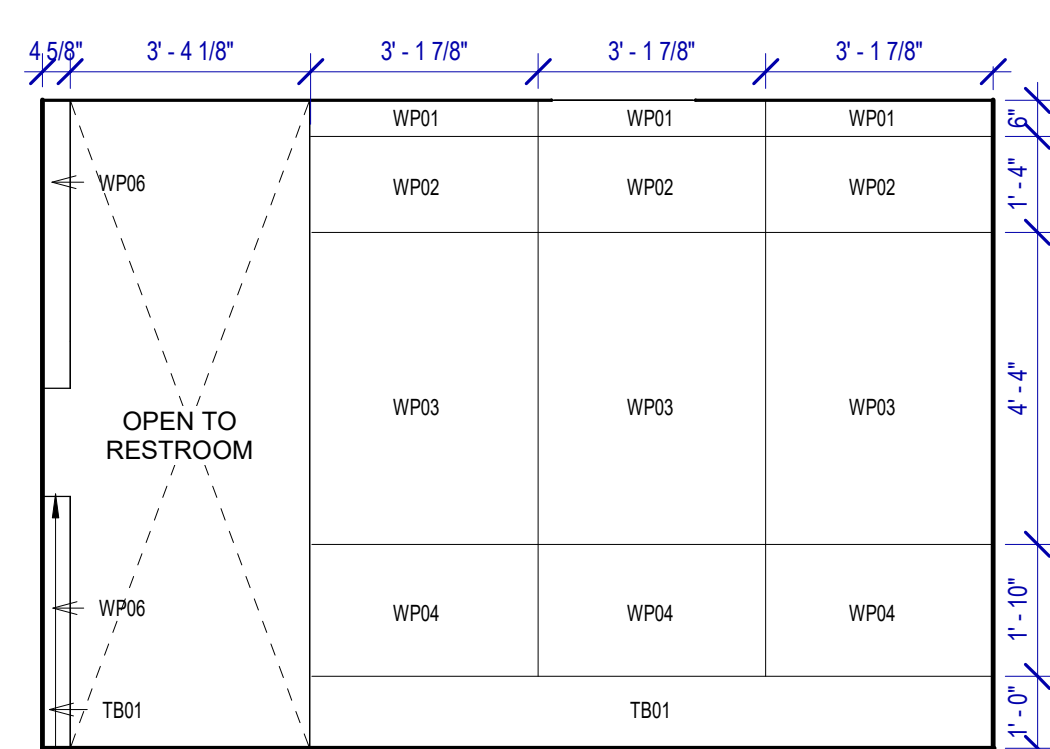
**9 MEN RR 15 ELEVATION-9**  
SCALE: 3/8" = 1'-0"



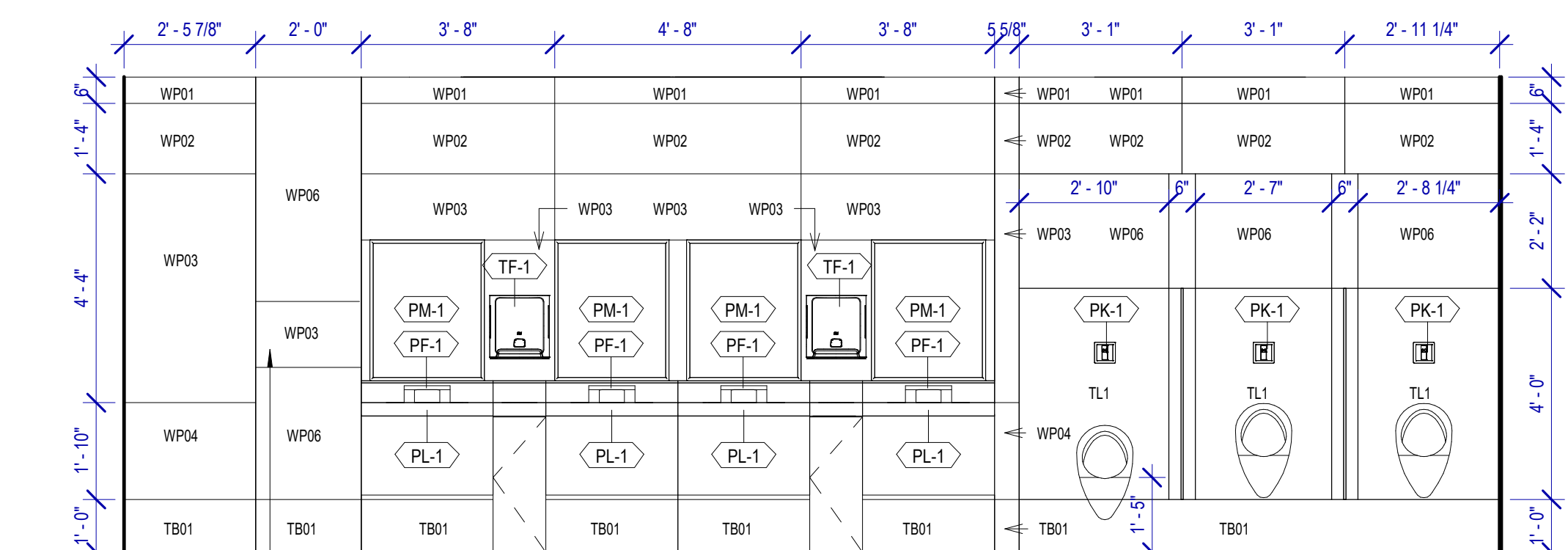
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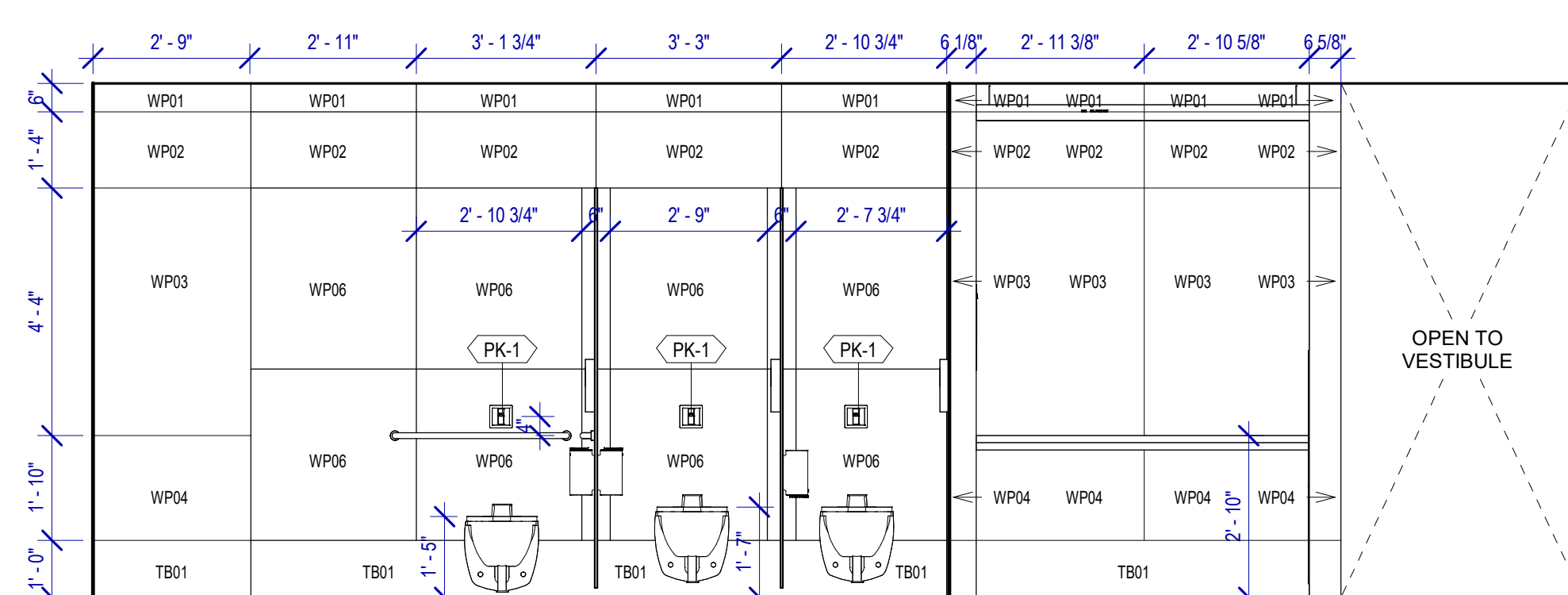
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SCALE: 3/8" = 1'-0"



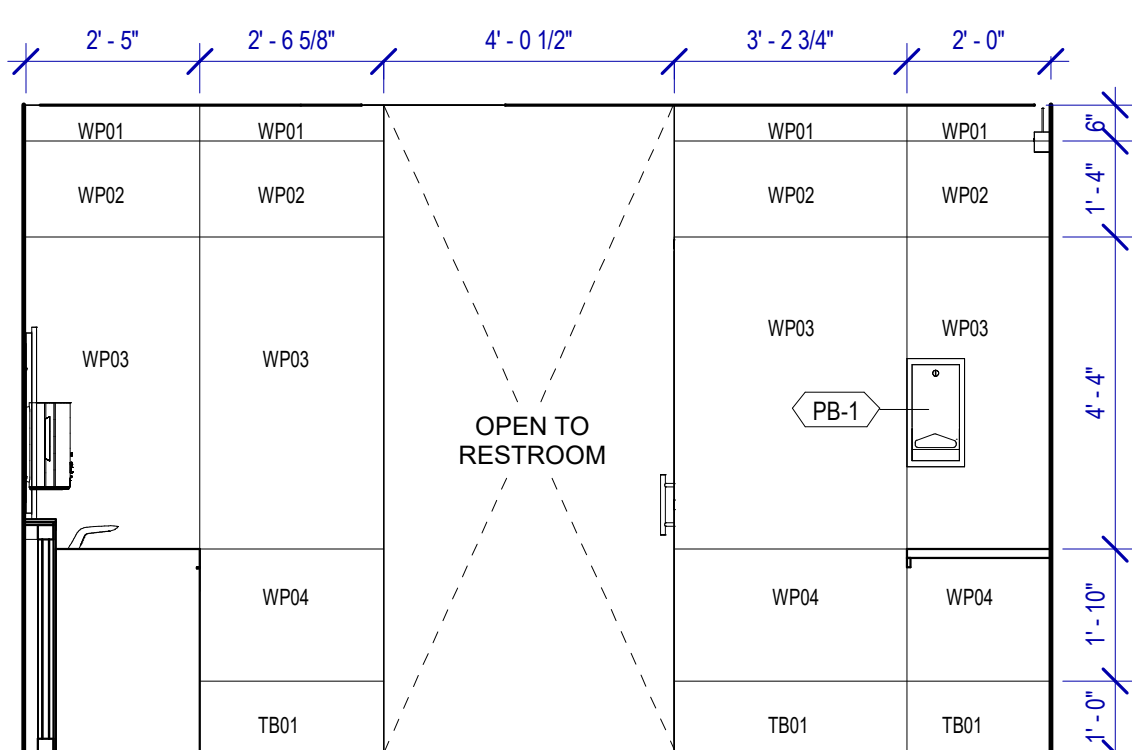
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SCALE: 3/8" = 1'-0"



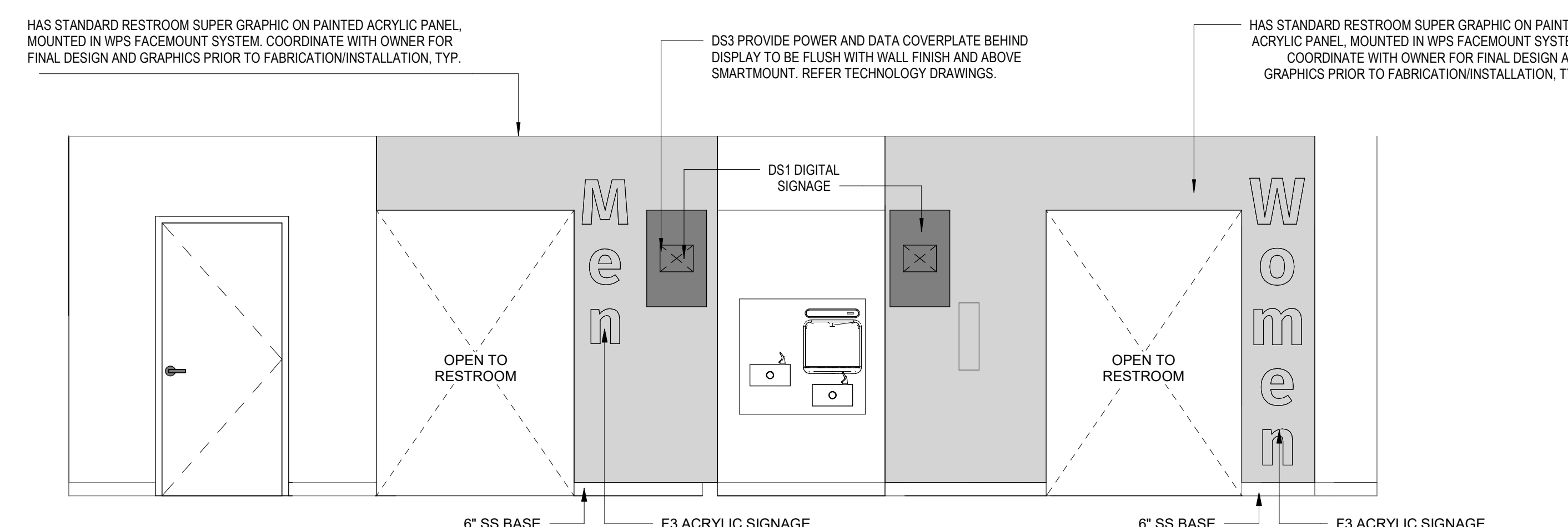
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SCALE: 3/8" = 1'-0"



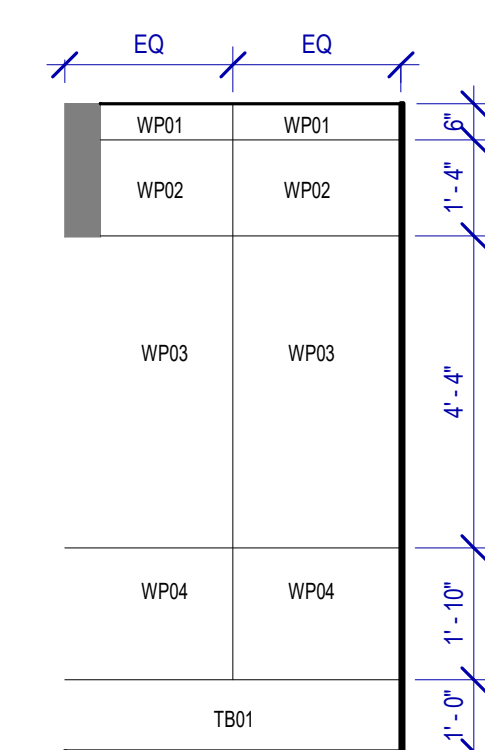
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SCALE: 3/8" = 1'-0"



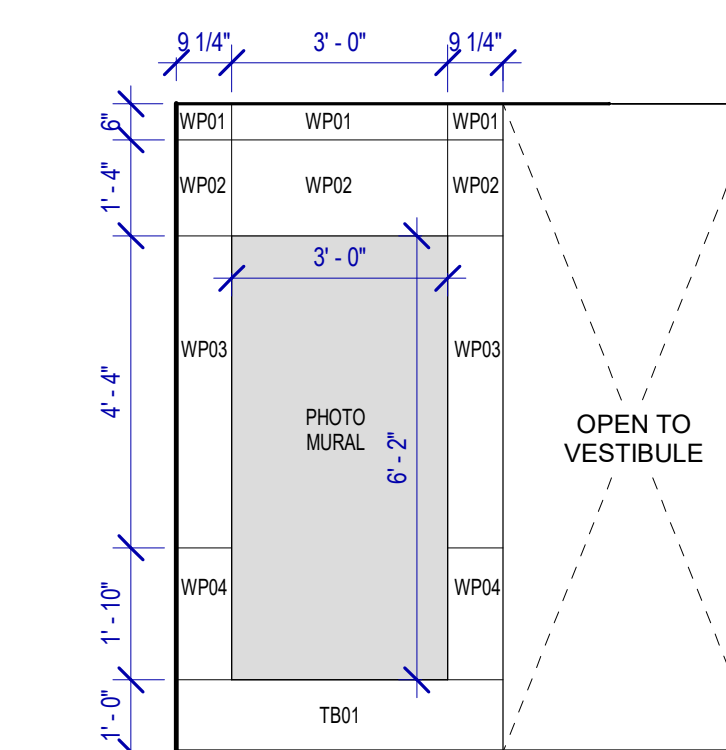
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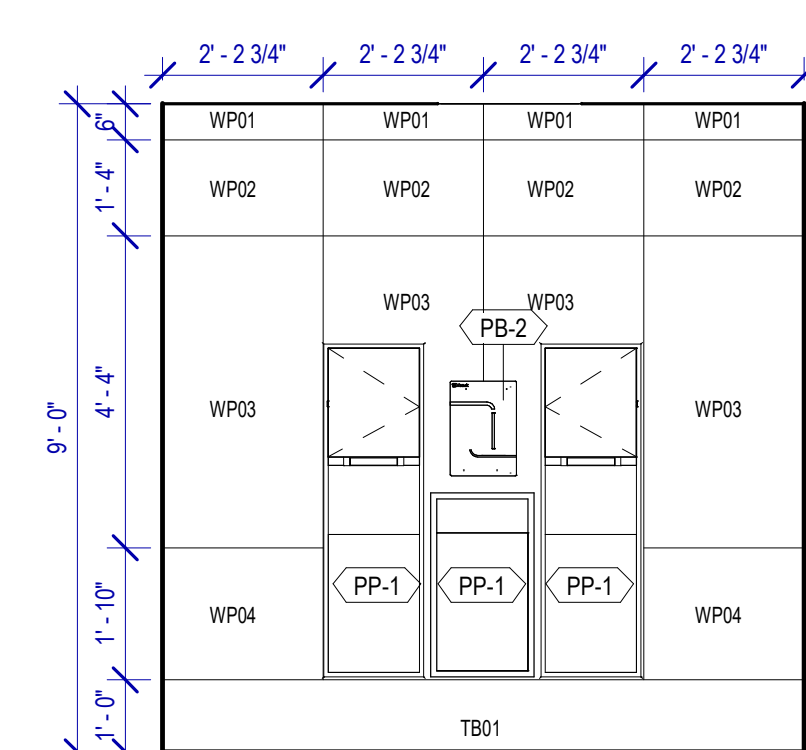
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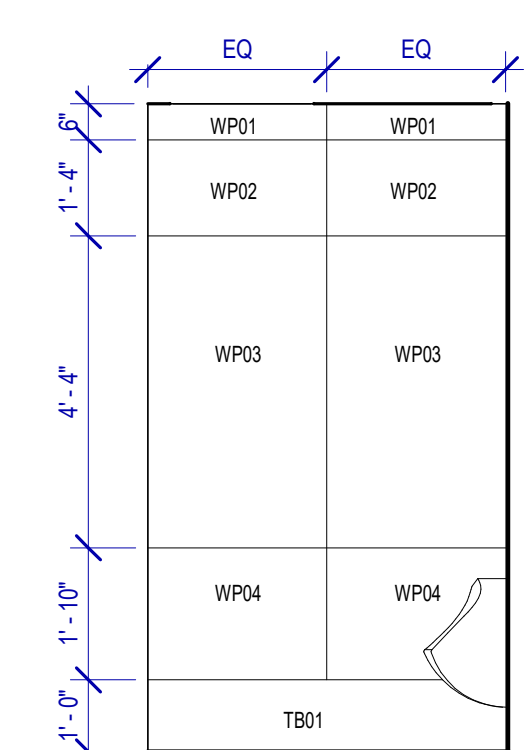
**2 MEN RR 15 ELEVATION-2**  
SCALE: 3/8" = 1'-0"



**3 MEN RR 15 ELEVATION-3**  
SCALE: 3/8" = 1'-0"



**4 MEN RR ELEVATION-4**  
SCALE: 3/8" = 1'-0"



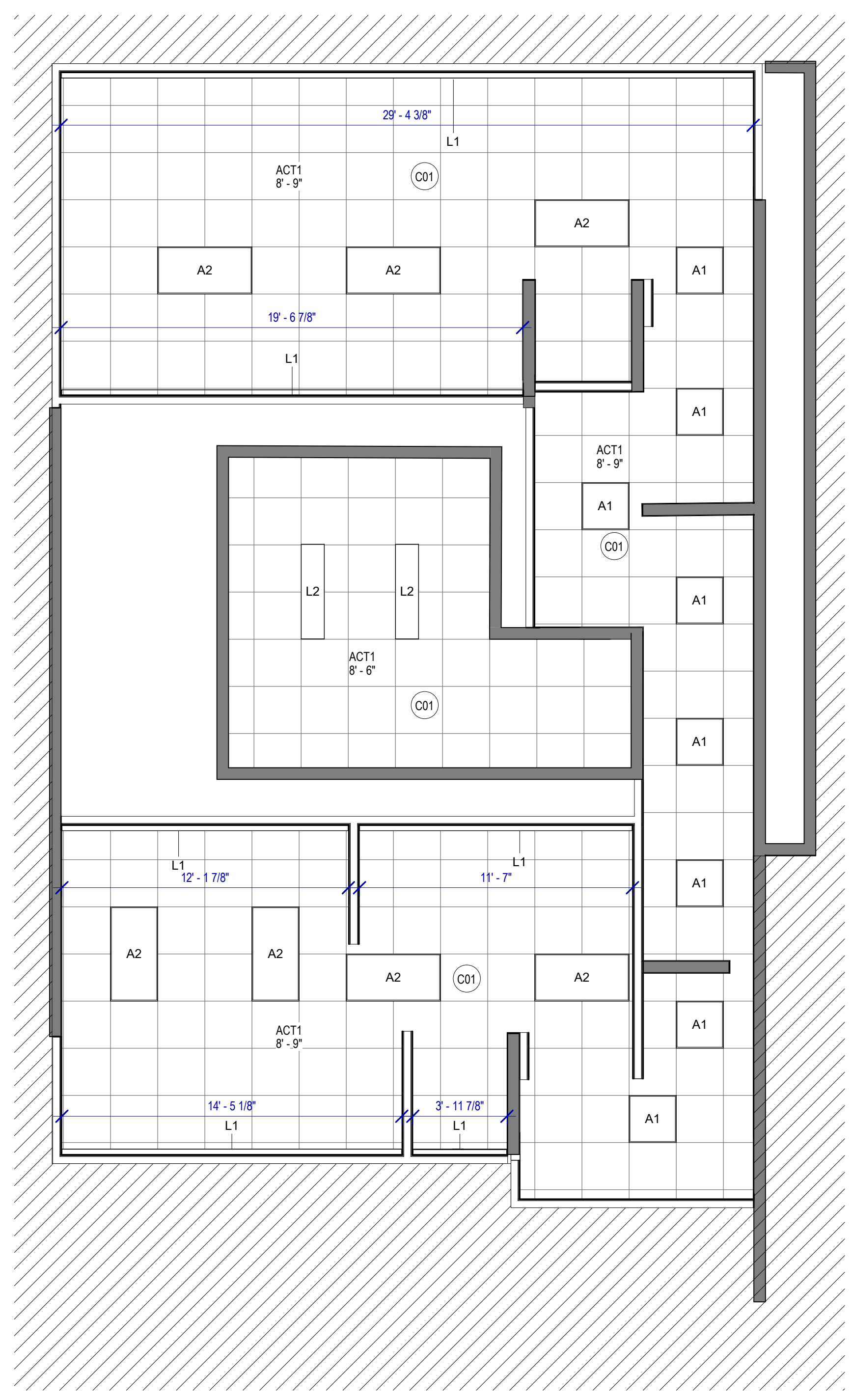
**5 MEN RR 15 ELEVATION-5**  
SCALE: 3/8" = 1'-0"

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt  
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: HAS FILE:

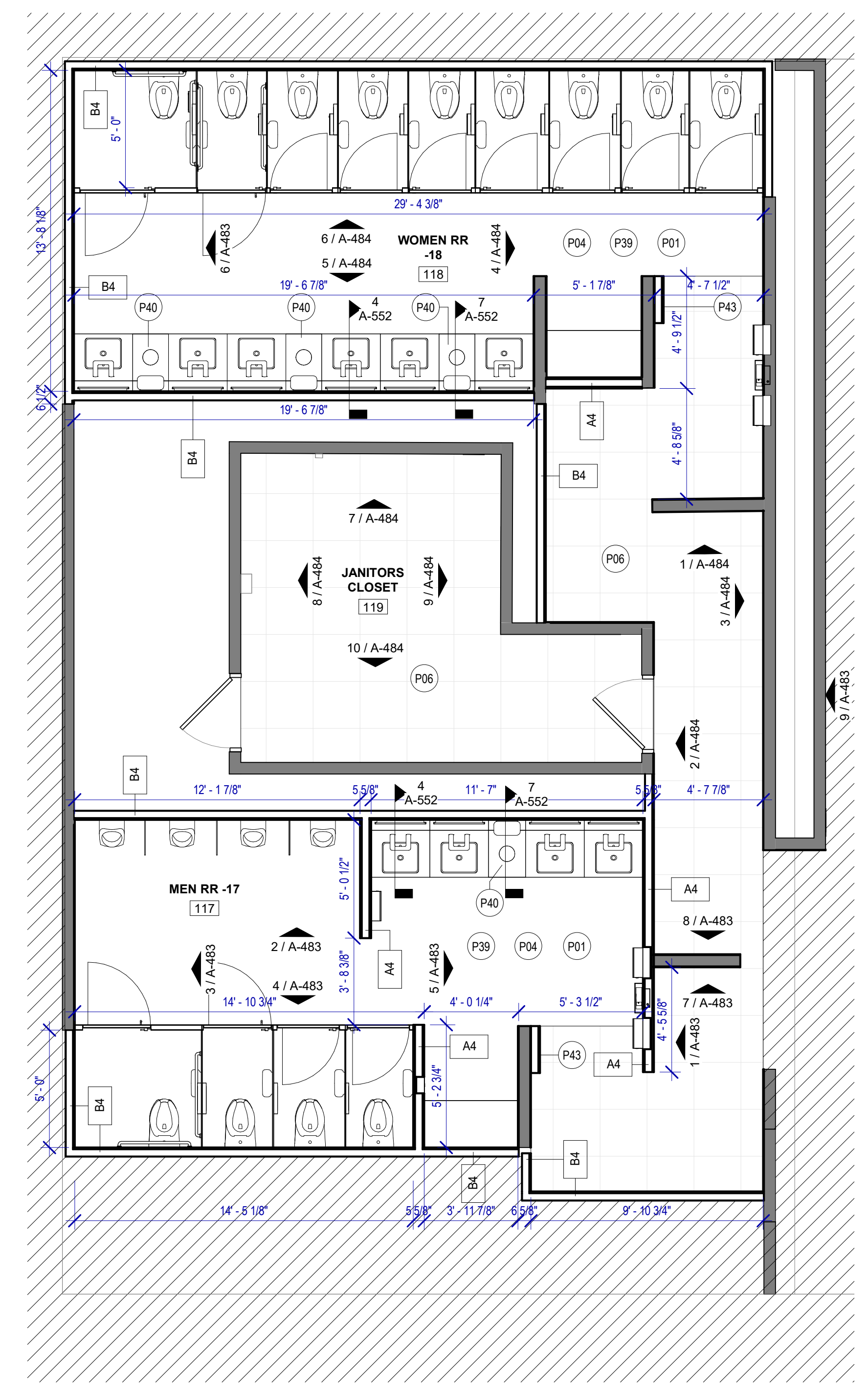
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PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt  
HAS FILE:

**2 ENLARGED RCP RR 17&18**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED RESTROM PLAN RR 17&18**  
SCALE: 1/4" = 1'-0"



**FLOOR PLAN GENERAL NOTES**

1. PATCH, REPAIR & REFINISH EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
2. REFER TO A-531 FOR DETAILS.
3. ALL SALVAGED PARTITIONS SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.
4. ALL SALVAGED TOILET ACCESSORIES SHALL BE RELOCATED IN THE SAME PLACE UNLESS OTHERWISE NOTED.

**KEYNOTE LEGEND**

KEY VALUE	KEYNOTE TEXT
C01	ALL LIGHT FIXTURES TO BE LOACTED IN THE ORIGINAL LOCATION
P01	NEW TOILETS AND URINALS TO BE INSTALLED IN THE EXISTING LOCATION, IF NOT OTHERWISE SPECIFIED
P04	DAL TILE PORTFOLIO 24"X24" CHARCOAL - FLOOR
P06	DAL TILE PORTFOLIO 24"X24" ICE WHITE - FLOOR
P39	EXISTING FLOOR DRAIN TO BE MAINTAINED IN THE EXISTING LOCATION
P40	NEW WASTE RECEPTACLE PROVIDE CONTAINER THAT FITS THE SPACE. TYP. FOR LAVATORIES STATIONS
P43	CUSTOMER SERVICE IPAD DOCKING STATION. REF. TO TYP. ELEVATION



2800 N Terminal Rd  
Houston, TX 77032

**IAH TERMINAL A RESTROOMS REFRESH**

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

**RDLR Architects**  
ARCHITECTURE PLANNING INTERIORS

800 Sampson St. #104  
Houston, TX 77003  
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**HENDERSON ROGERS**  
structural engineers

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



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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

DIRECTOR  
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HOUSTON AIRPORT SYSTEM

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

SHEET NAME: RR 17 & 18 - PLANS & RCP  
SHEET No. A-482 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY:	GP
DRAWN BY:	GP/FF/SF/RB
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Review/Approval Category

**IFB**

ISSUED FOR BIDDING

SHEET NAME: RR 17 & 18 - ELEVATIONS MEN

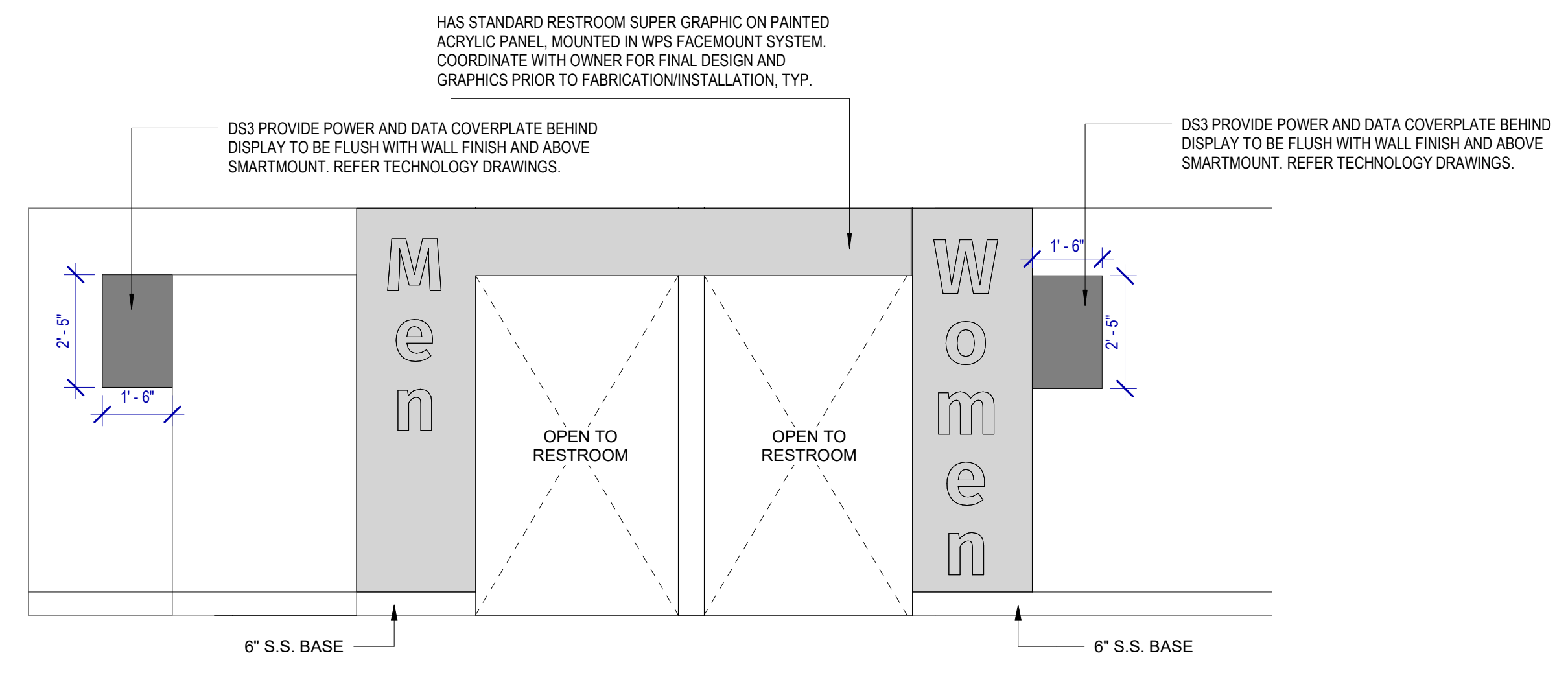
SHEET No. A-483 SCALE: As indicated

**TOILET ACCESSORIES**

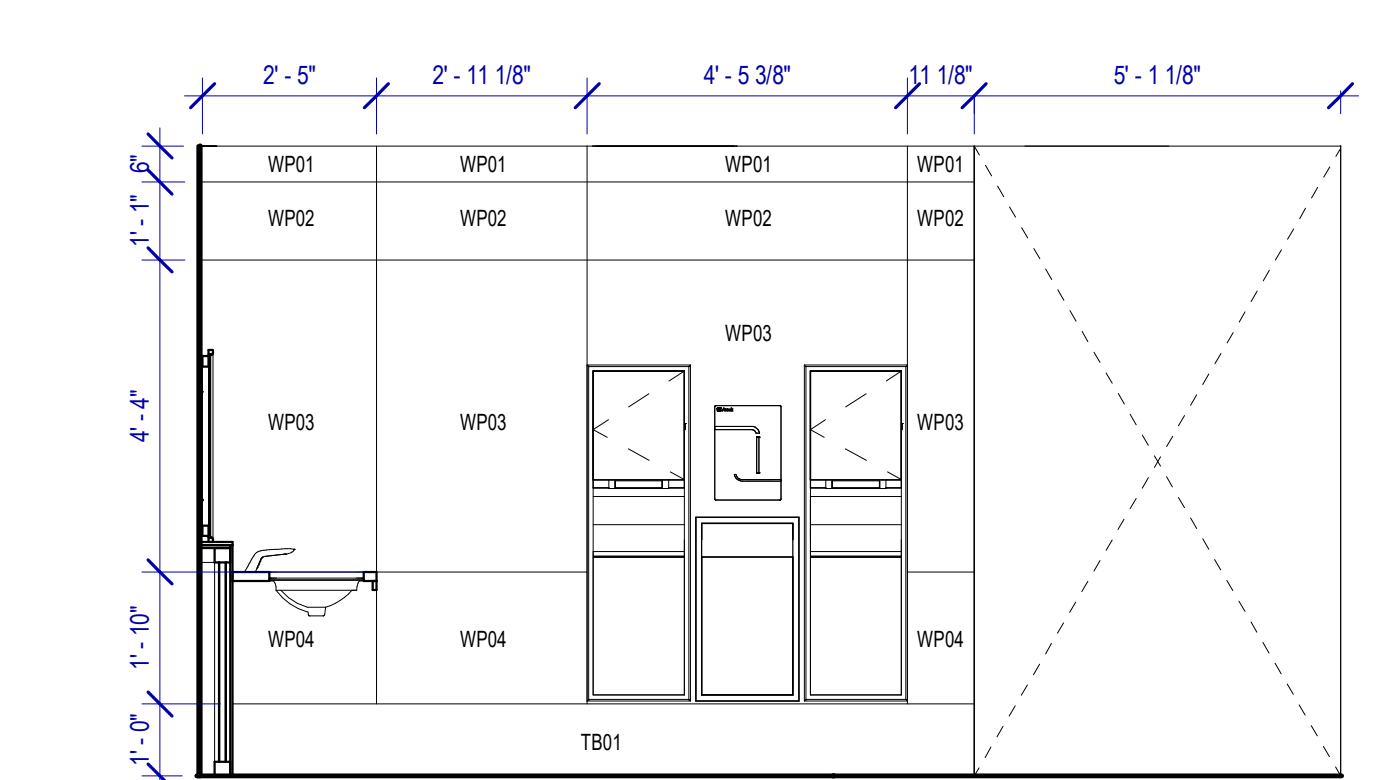
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
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- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-580X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
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- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

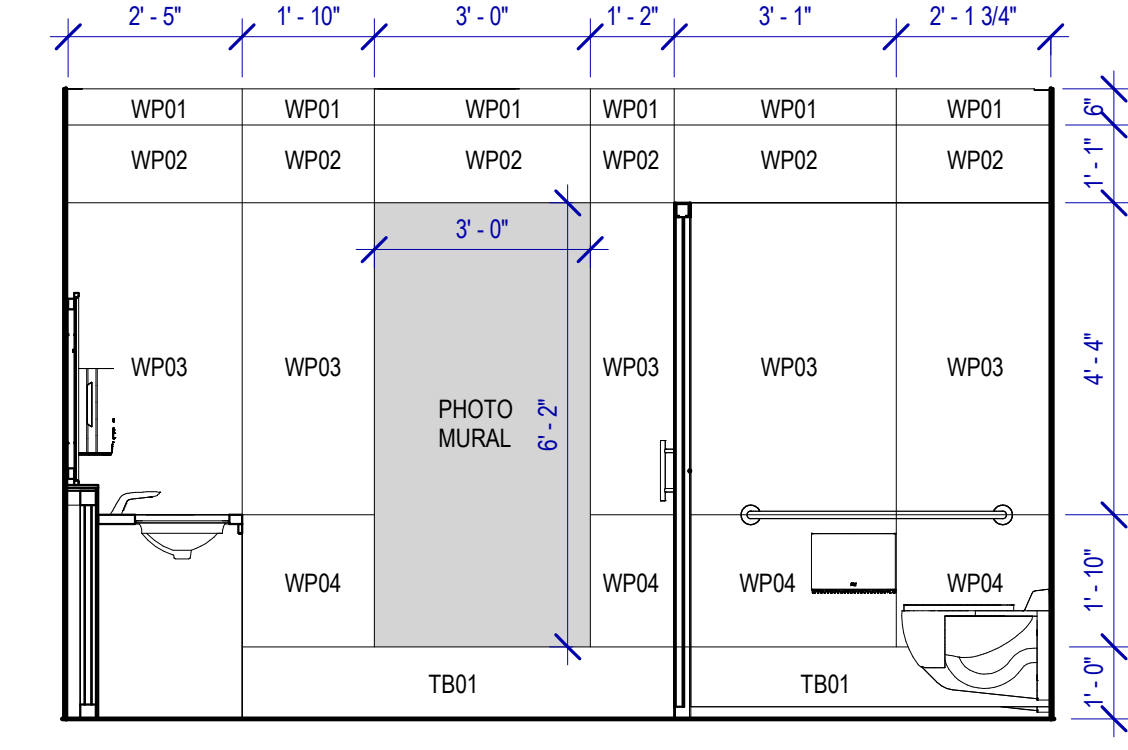
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- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
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- PS-1 SHOWER COLUMN
- PY-1 ZURN MOP SINK 1996-24



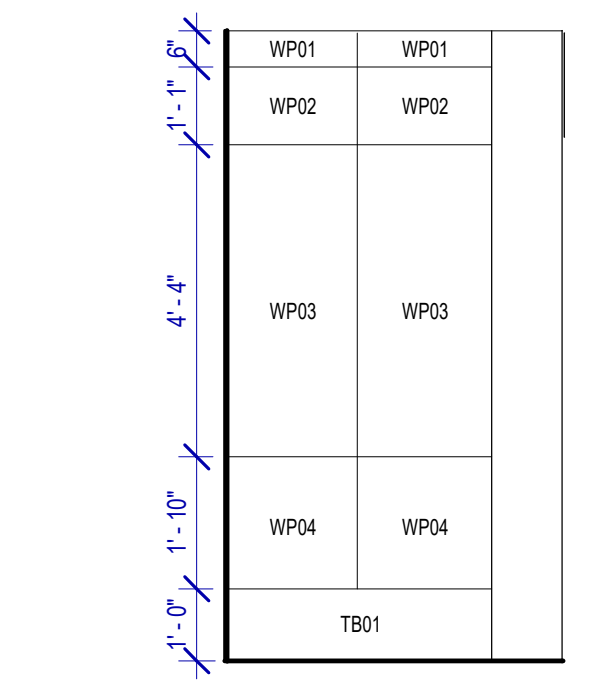
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SCALE: 3/8" = 1'-0"



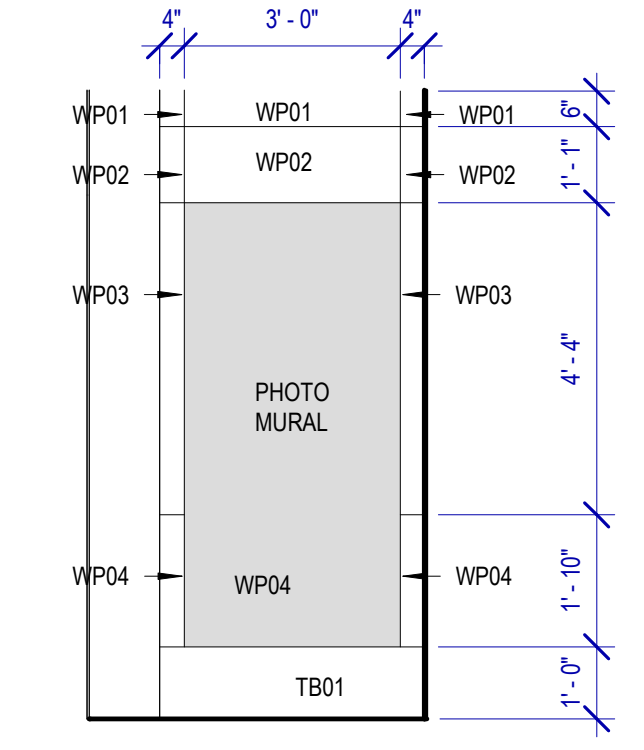
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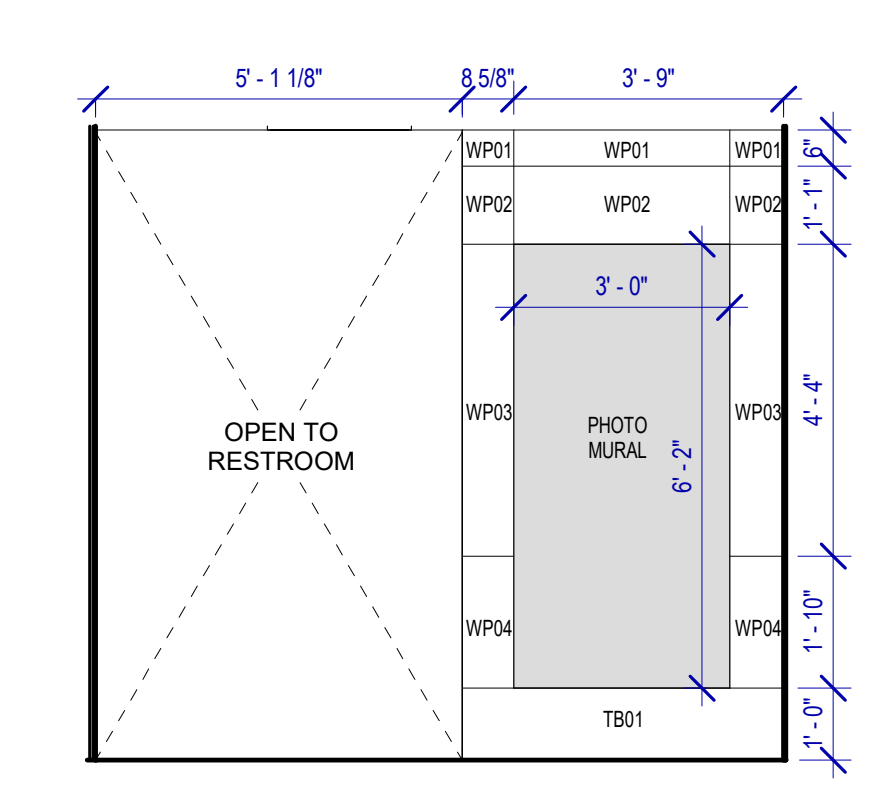
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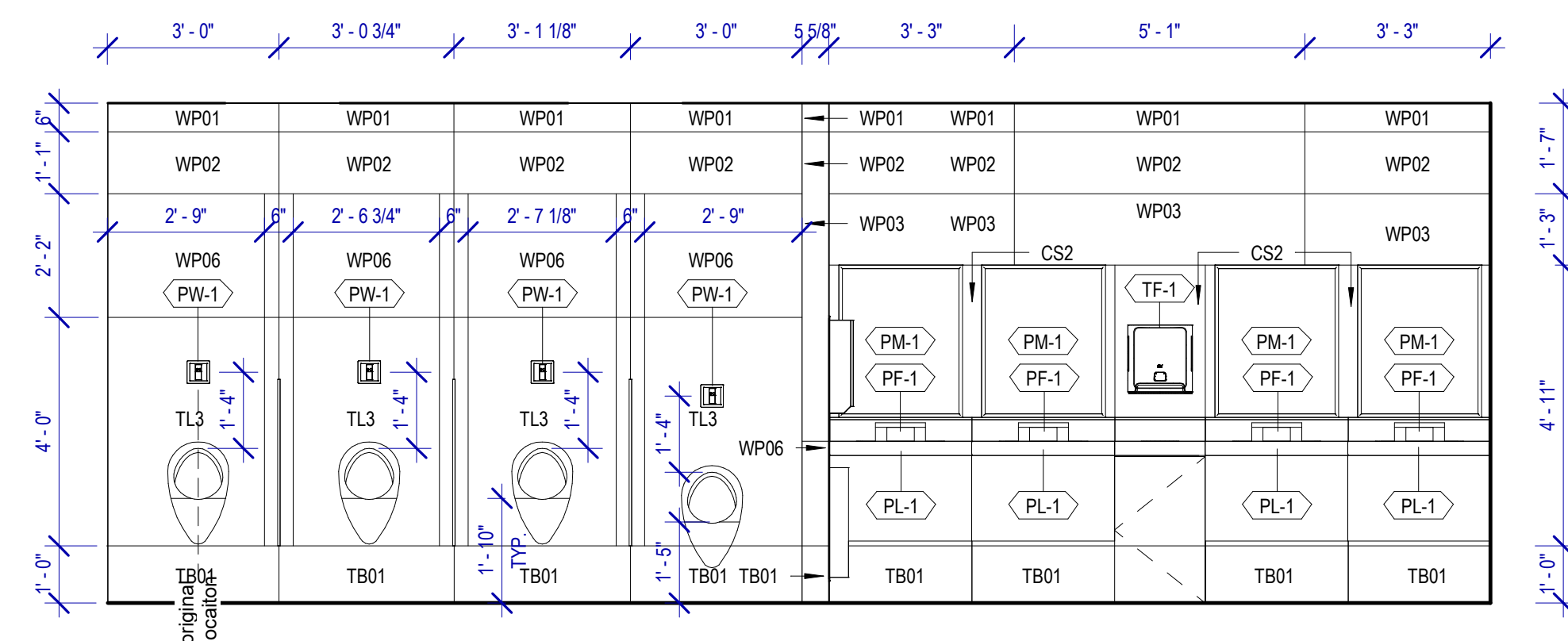
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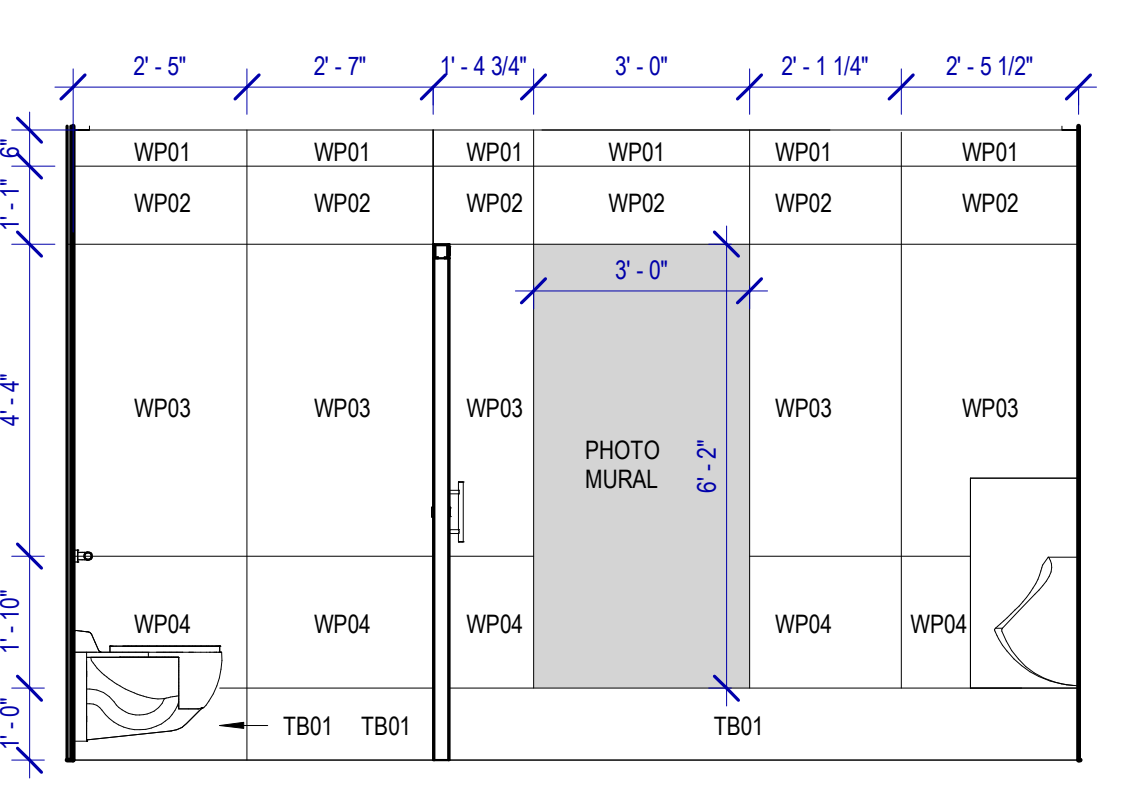
**8 MEN RR 17 ELEVATION-8**  
SCALE: 3/8" = 1'-0"



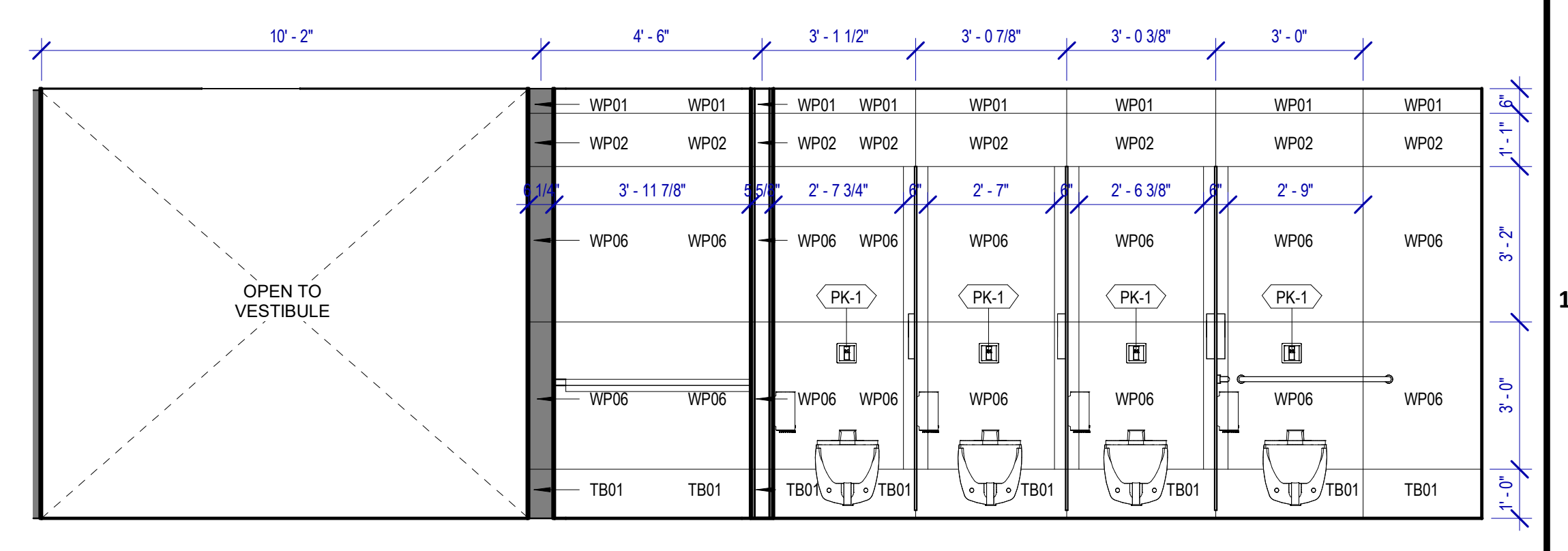
**1 MEN RR 17 ELEVATION-1**  
SCALE: 3/8" = 1'-0"



**2 MEN RR 17 ELEVATION-2**  
SCALE: 3/8" = 1'-0"



**3 MEN RR 17 ELEVATION-3**  
SCALE: 3/8" = 1'-0"



**4 MEN RR 17 ELEVATION-4**  
SCALE: 3/8" = 1'-0"

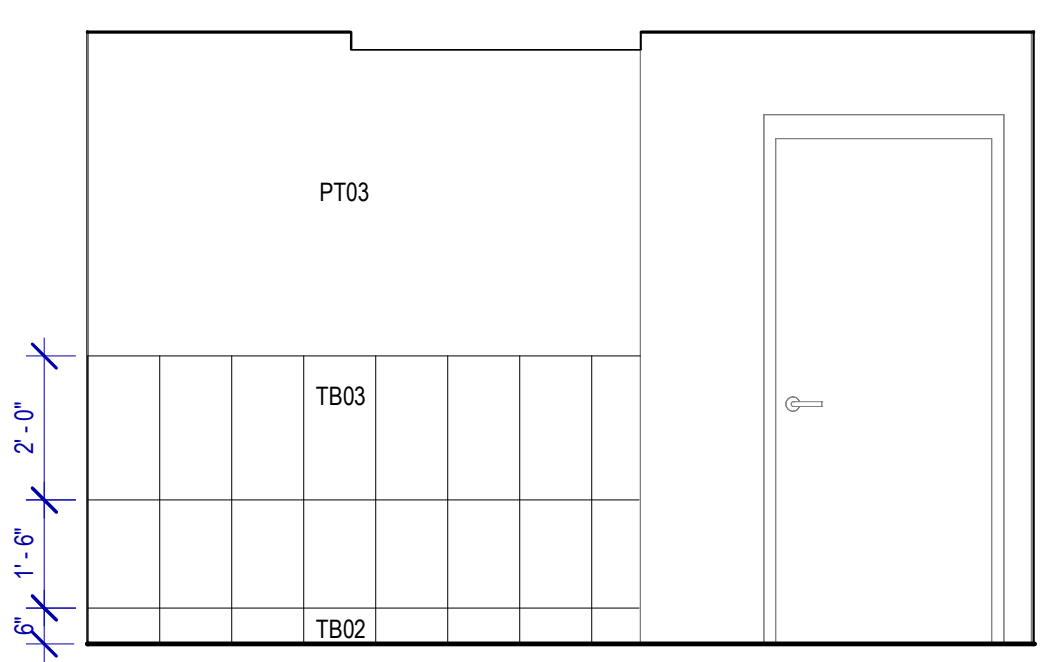
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 HAS FILE:  
 PLOT DATE:  
 DOA DWG FILE:  
 OLD DOA No.:

**TOILET ACCESSORIES**

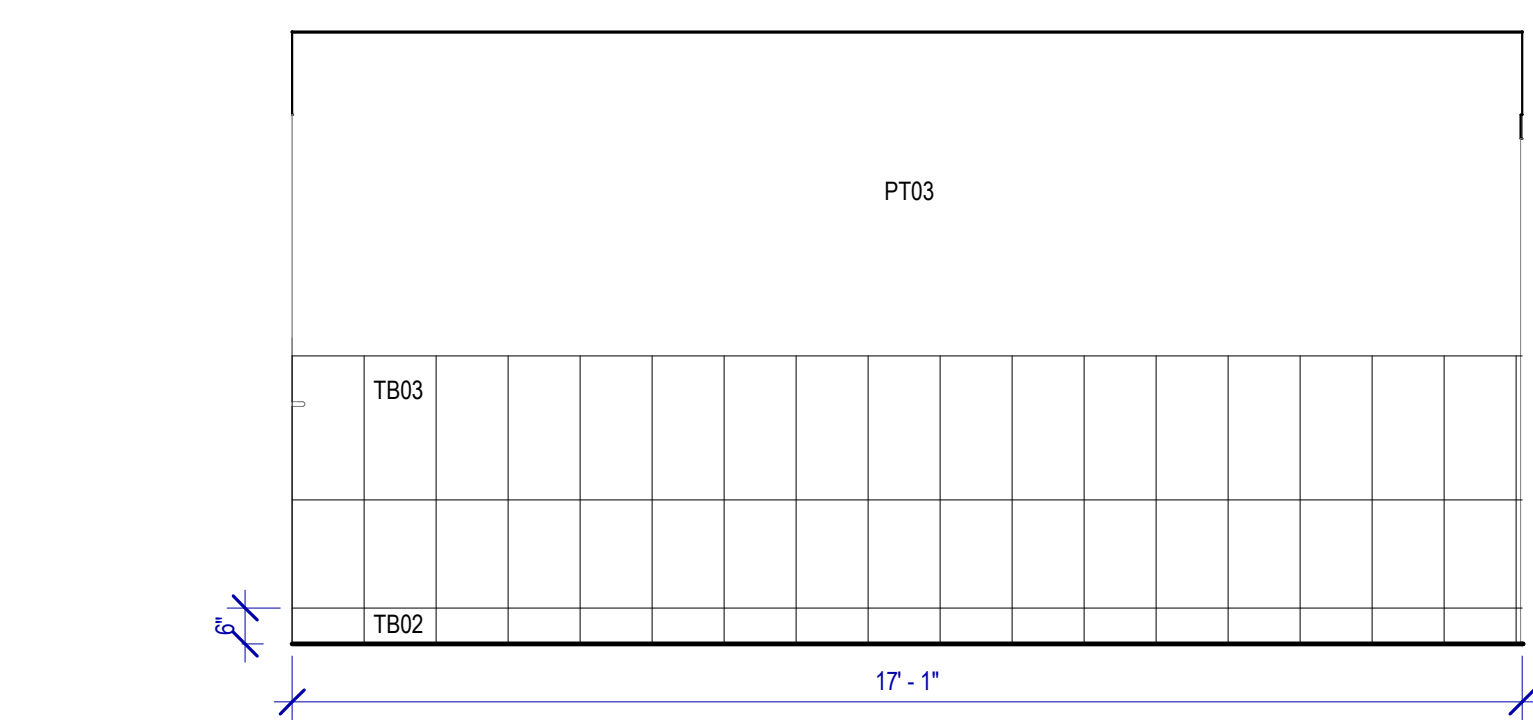
- PB-1 KOALA KARE BED LINER DISPENSER KB134-SSLD
- PB-2 VAASK IN-WALL HAND SANITIZER
- PC-1 KOALA CARE BABY CHANGING STATION KB310-SSRE
- PC-2 KOALA CARE CHILD SEAT KB102-00
- PC-3 BOBRICK WASTE RECEPTACLE 35633
- PC-4 PRESSALIT CARE 2000 CHANGING TABLE
- PC-5 OCURA WALL-MOUNTED PRIVACY SCREEN CA3391WH
- PC-6 ASTOR BANNERMAN A2B CEILING HOIST & H-TRACK, MOUNTED W/ WALLBRACKETS
- PE-1 TORK TOILET SEAT COVER DISPENSER 1951001
- PF-1 BRADLEY WASHBAR DUO
- PG-1 BOBRICK 42" GRAB BAR B-5806
- PG-2 BOBRICK 36" GRAB BAR B-5806
- PG-3 BOBRICK 24" STRAIGHT GRAB BAR B-5806
- PH-1 STEP 'N WASH FLOOR MOUNTED SELF-RETRACTING STEPT STOOL SNW-SS 975B
- PI-1 TORK TOILET TISSUE DISPENSER 465500
- PJ-1 THRISLINGTON COAT HOOK
- PK-1 TOTO TOILET FLUSH VALVE WITH CHASE TET3LN
- PK-2 TOTO TOILET FLUSH VALVE WITHOUT CHASE TET3LN
- PM-1 BOBRICK B-167 2632 BACKLIT MIRROR
- PM-2 BOBRICK B-167 6642 BACKLIT MIRROR
- PN-1 BOBRICK SANITARY NAPKIN DISPOSAL B-254
- PP-1 TORK AUTO PAPER TOWEL AND WASTE 309051
- PP-2 BOBRICK WASTE RECEPTACLE B-3644
- PP-3 COUCHI WIDE PAPER TOWEL ROLL TORK OR EQ.
- PP-4 BOBRICK RECESSED SHARP DISPOSAL B-35016
- PR-1 BOBRICK B-580X24 STRAIGHT GRAB BAR
- TF-1 TORK SURFACE MOUNTED AUTOMATIC PAPER TOWEL DISPENSER 461202
- PW-1 TOTO URINAL FLUSH VALVE WITH CHASE TEU3LN
- PW-2 TOTO URINAL FLUSH VALVE WITHOUT CHASE TEU3LN
- PZ-1 TOILET PARTITION RE: MATERIAL LEGEND
- PZ-2 TOILET PARTITION RE: MATERIAL LEGEND
- PX-1 BOBRICK MOP & BROOM HOLDER B-223

**PLUMBING FIXTURES**

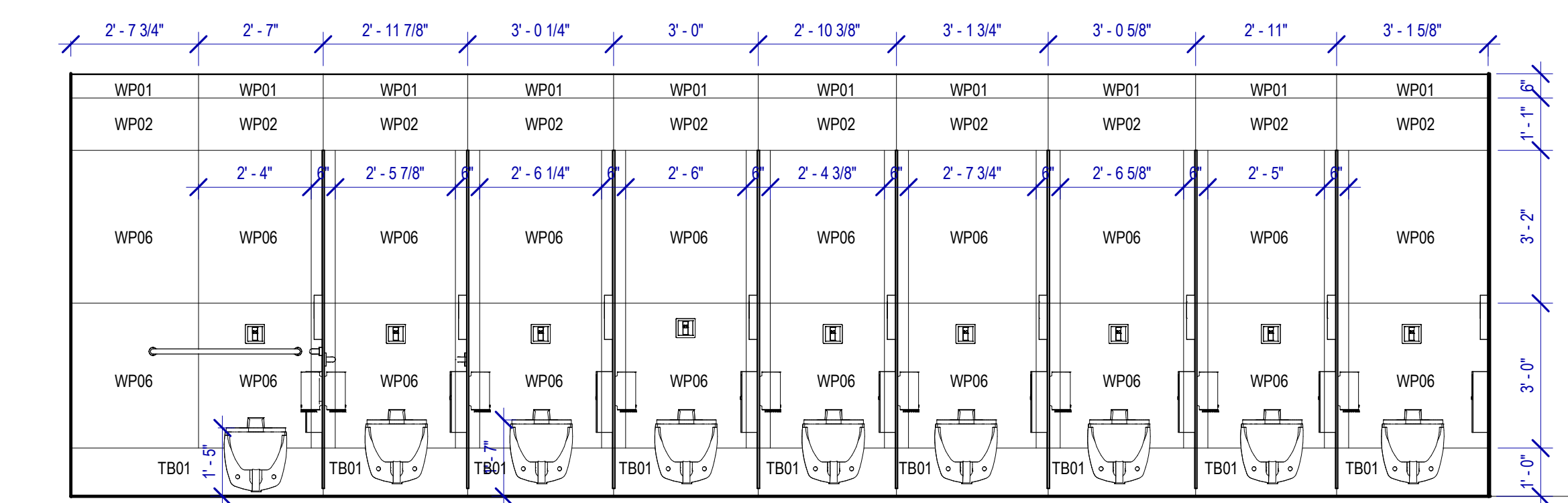
- PL-1 KOHLER IRON PLAINS UNDERCOUNTER SINK
- PL-2 ADJUSTABLE HEIGHT WASH BASIN
- PT-1 TOTO WALL MOUNTED TOILET CT708EVG
- PU-1 TOTO WALL MOUNTED URINAL UT104EV
- PV-1 HALSEY TAYLOR IN WALL HYDROBOOST WATER BOTTLE REFILL STATION
- PS-1 SHOWER COLUMN
- PY-1 ZURN MOP SINK 1996-24



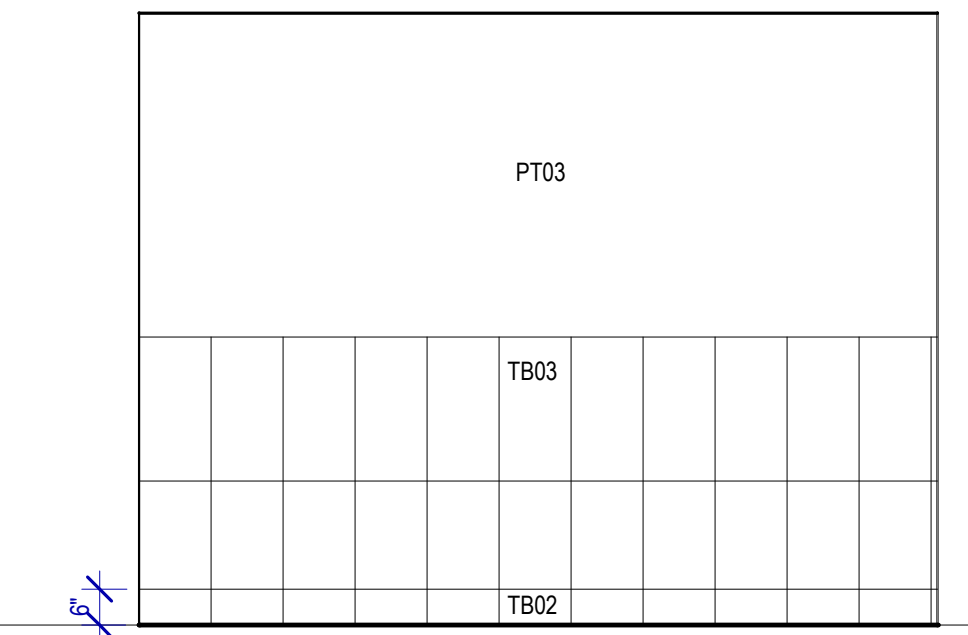
**9 WOMEN RR 17 ELEVATION-8**  
SCALE: 3/8" = 1'-0"



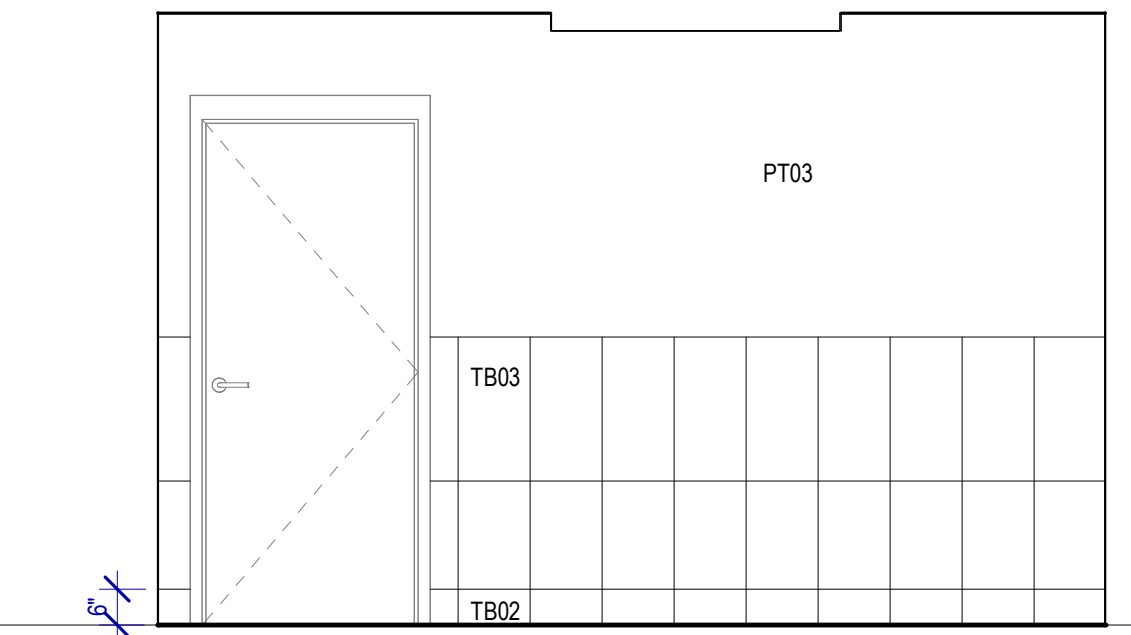
**10 WOMEN RR 17 ELEVATION-11**  
SCALE: 3/8" = 1'-0"



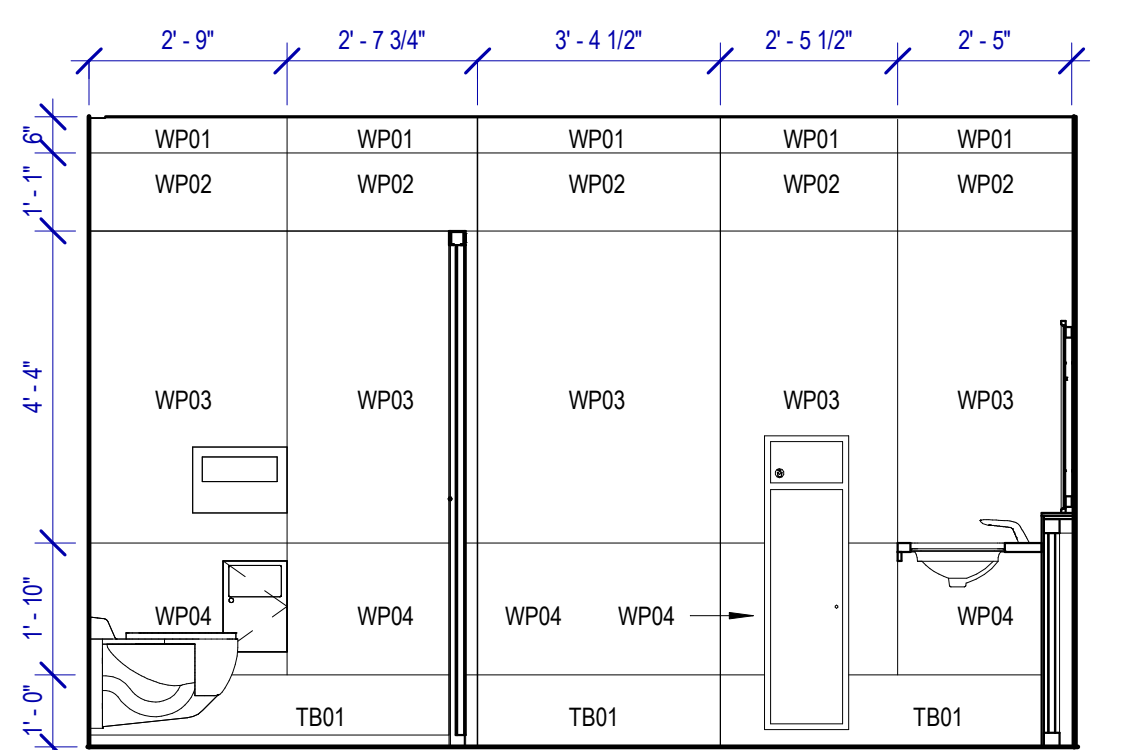
**6 WOMEN RR 17 ELEVATION-6**  
SCALE: 3/8" = 1'-0"



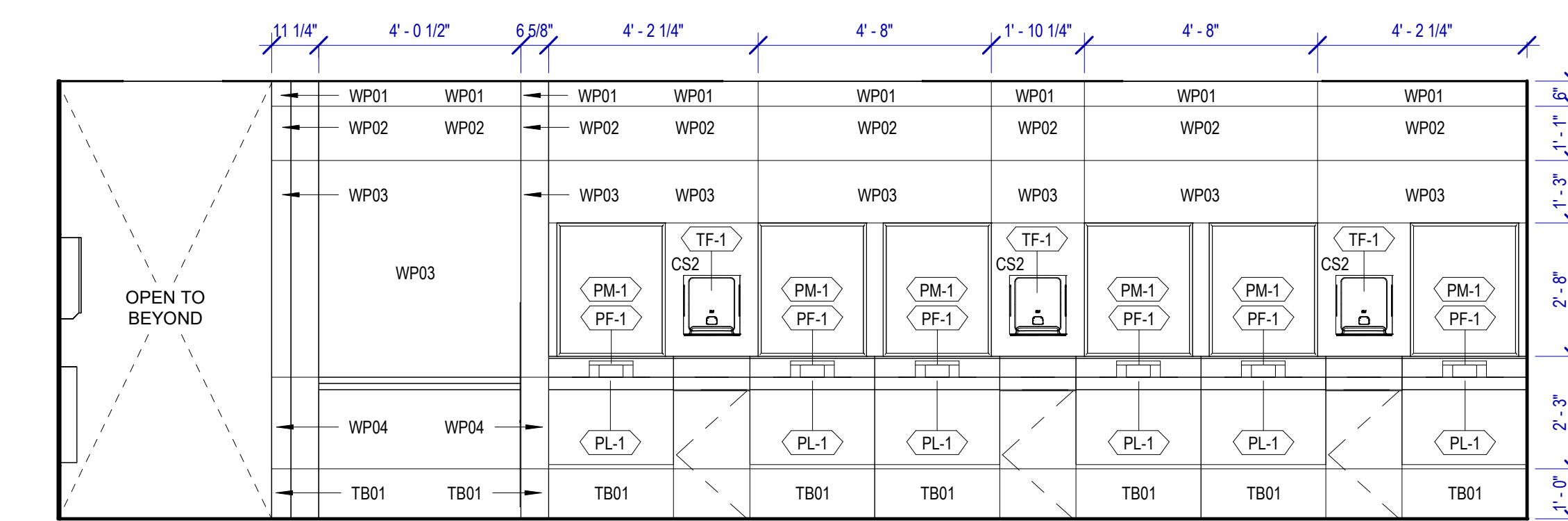
**7 WOMEN RR 17 ELEVATION-9**  
SCALE: 3/8" = 1'-0"



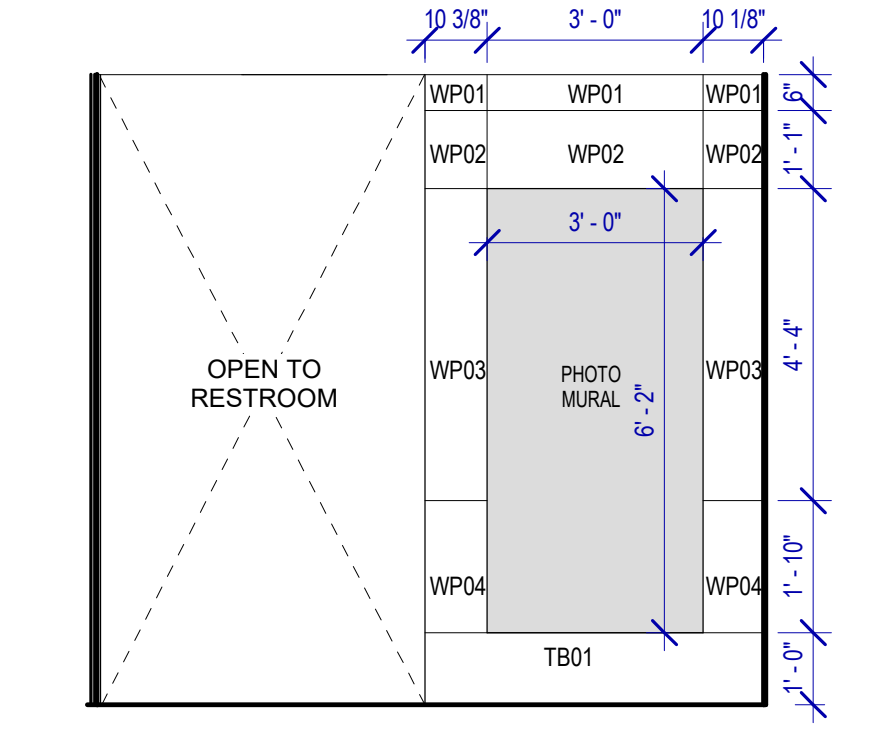
**8 WOMEN RR 17 ELEVATION-10**  
SCALE: 3/8" = 1'-0"



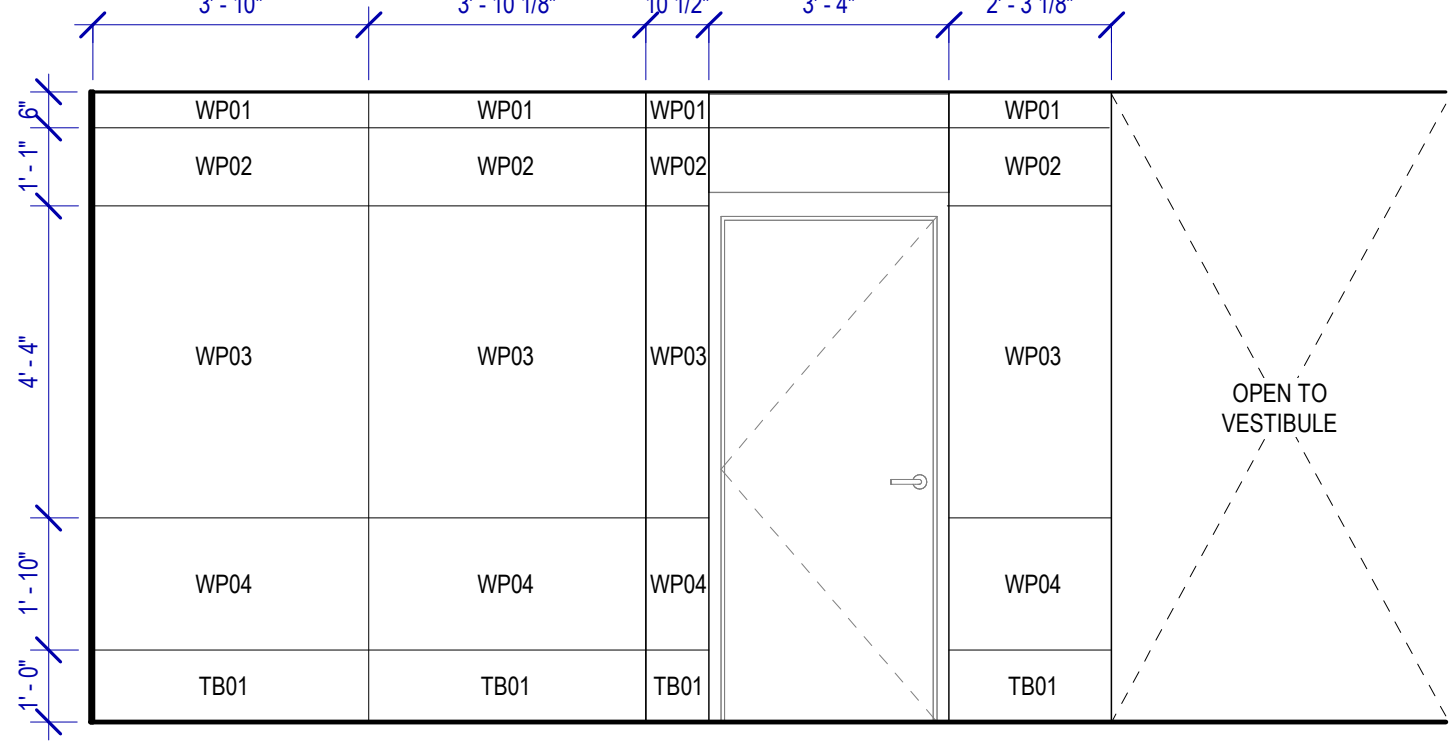
**4 WOMEN RR 17 ELEVATION-4**  
SCALE: 3/8" = 1'-0"



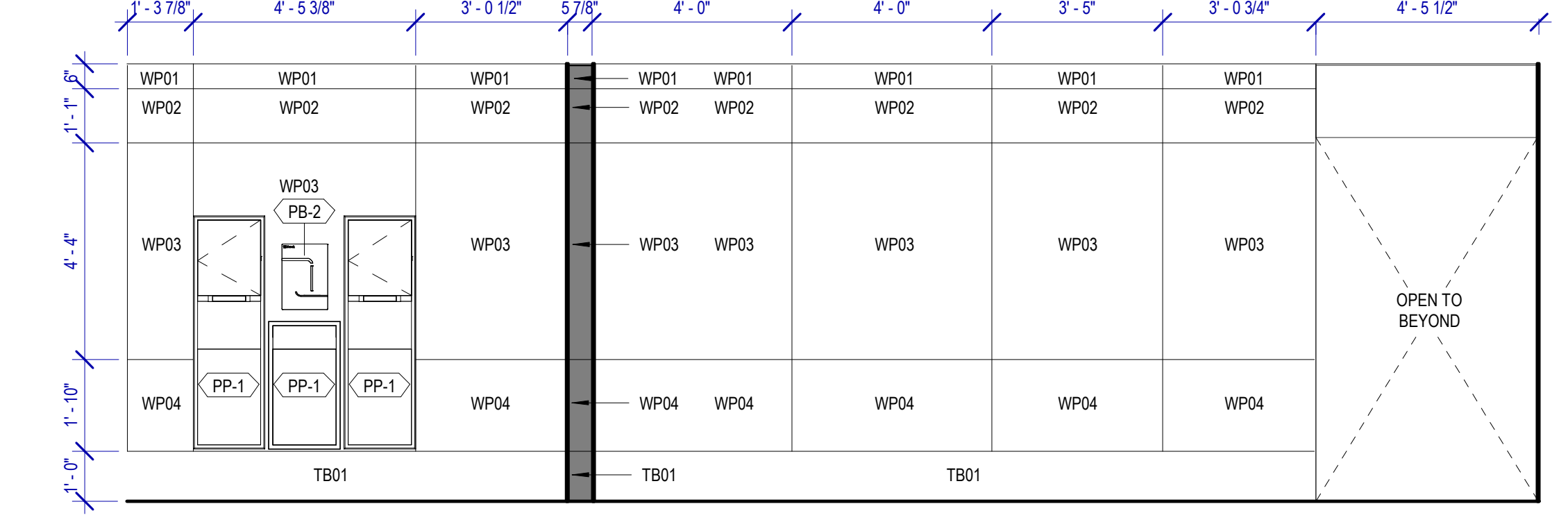
**5 WOMEN RR 17 ELEVATION-5**  
SCALE: 3/8" = 1'-0"



**1 WOMEN RR 17 ELEVATION-1**  
SCALE: 3/8" = 1'-0"



**2 WOMEN RR 17 ELEVATION-2**  
SCALE: 3/8" = 1'-0"



**3 WOMEN RR 17 ELEVATION-3**  
SCALE: 3/8" = 1'-0"

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

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**HOUSTON AIRPORT SYSTEM**

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

SHEET NAME:  
RR 17 & 18 - ELEVATIONS WOMEN  
SHEET No. A-484 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

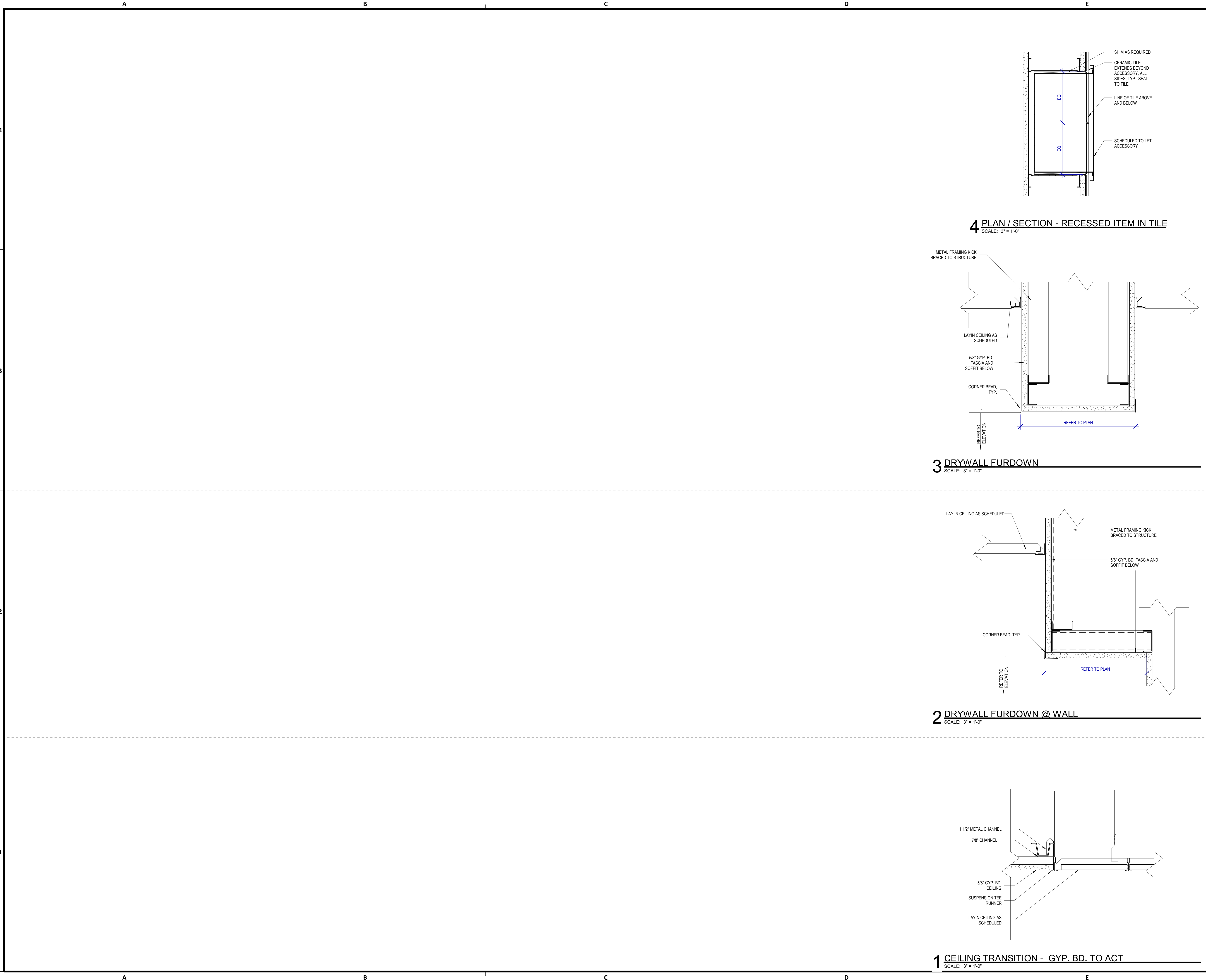
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PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.261 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt

HAS FILE:

PLOT DATE:



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**IAH TERMINAL A RESTROOMS  
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

REVISIONS		
No.	DESCRIPTION	DATE BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

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Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

SHEET NAME: INTERIOR DETAILS

SHEET No. A-531 SCALE: 3" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

**REVISIONS**

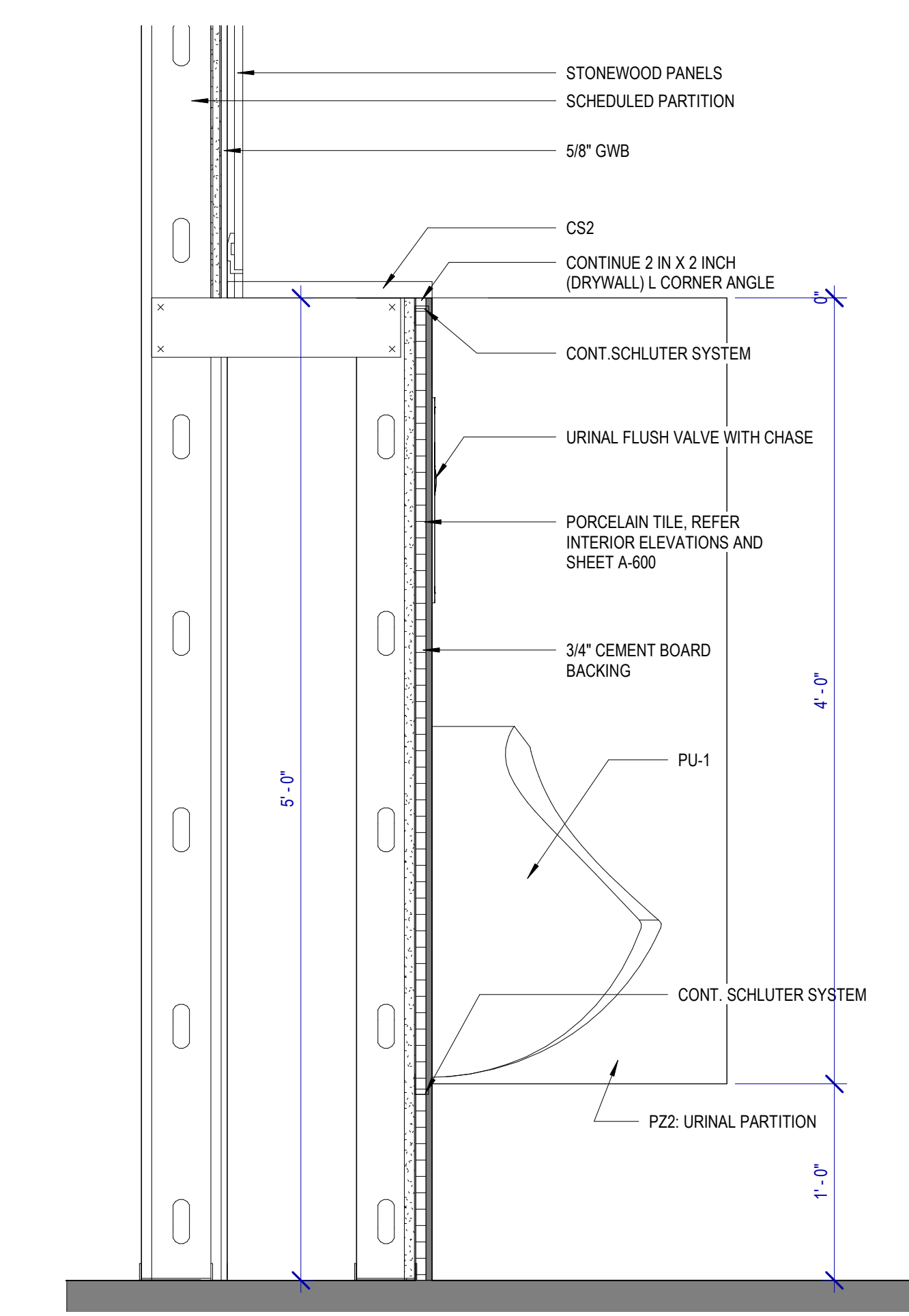
No.	DESCRIPTION	DATE	BY

DESIGN BY:	GP
DRAWN BY:	GP/FF/SF/RB
CHECKED BY:	DO
ISSUE DATE:	03/15/2024
APPROVED BY:	DO
APPROVAL DATE:	03/15/2024

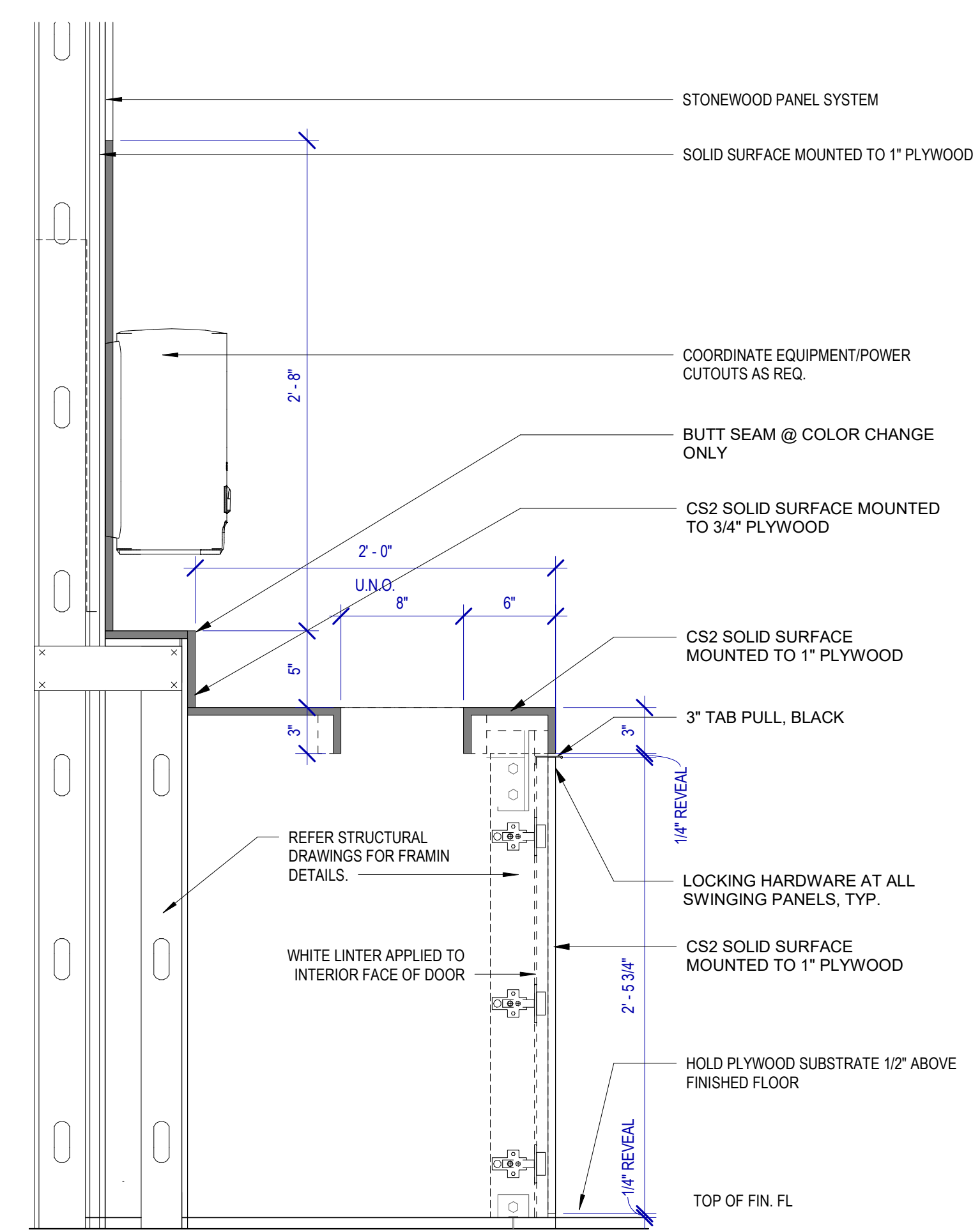
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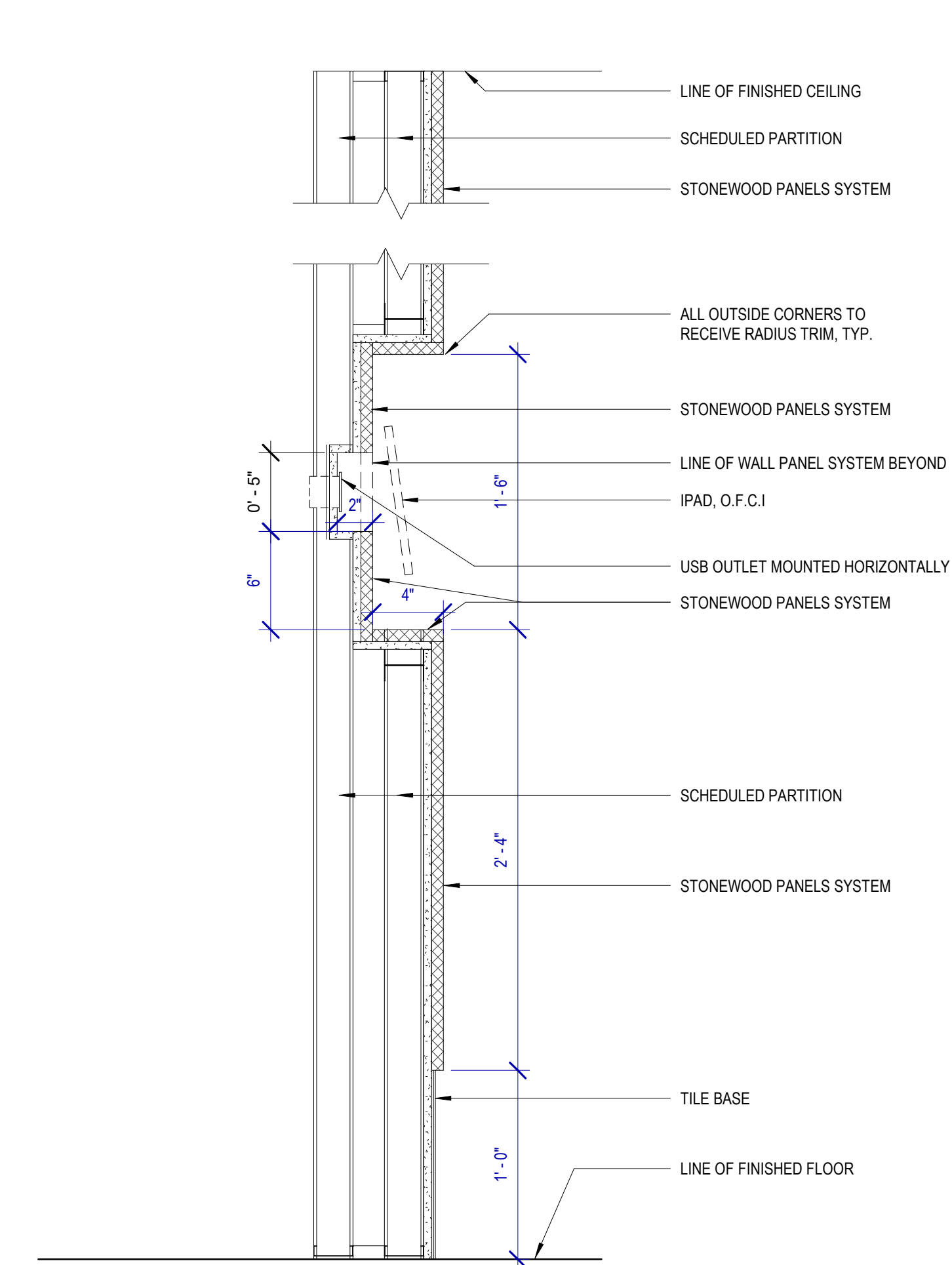
SHEET NAME:	SECTION DETAILS
SHEET No. A-552	SCALE: As indicated



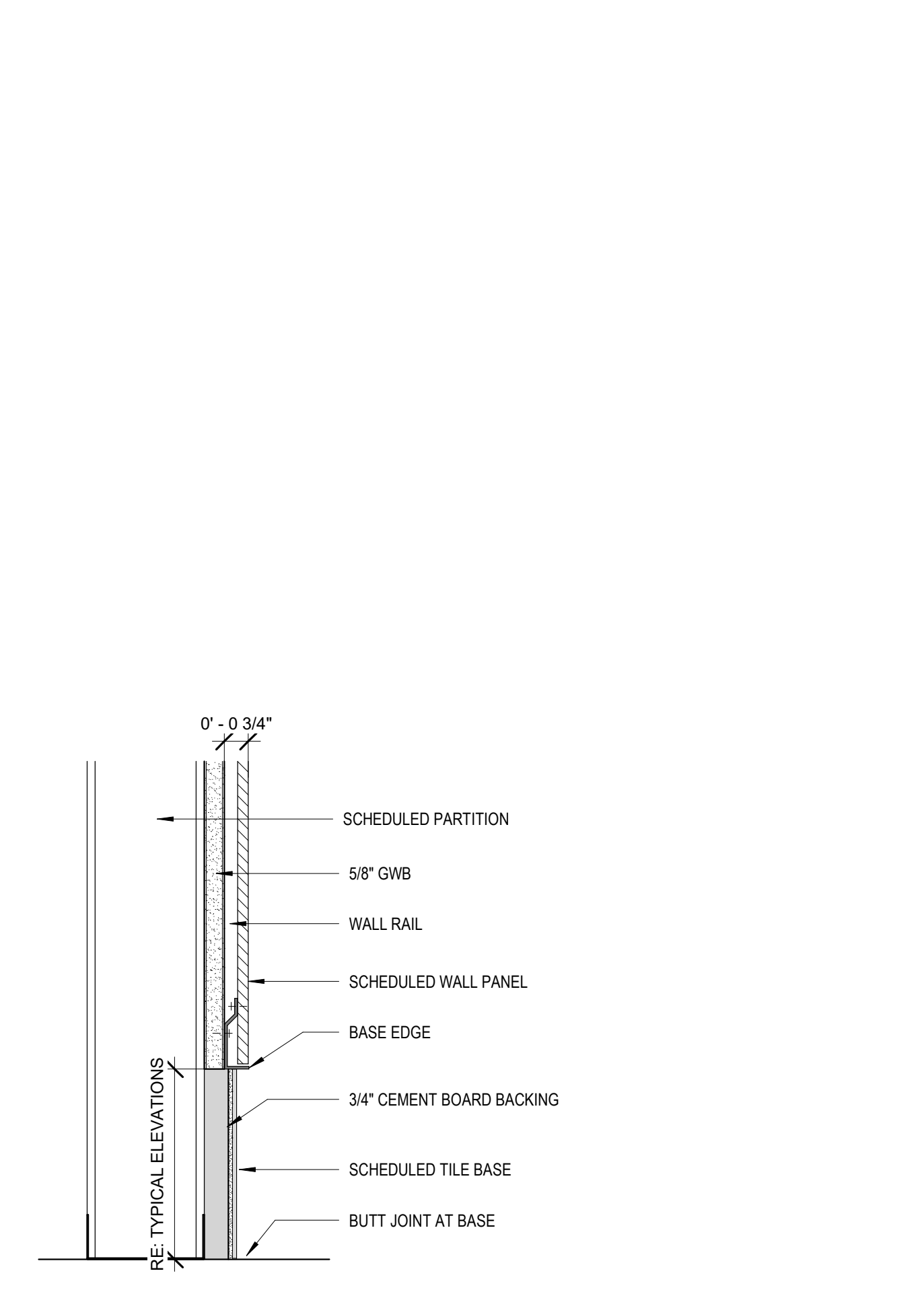
**8 SECTION DETAIL @ URINALS (SHELVING)**  
SCALE: 1 1/2" = 1'-0"



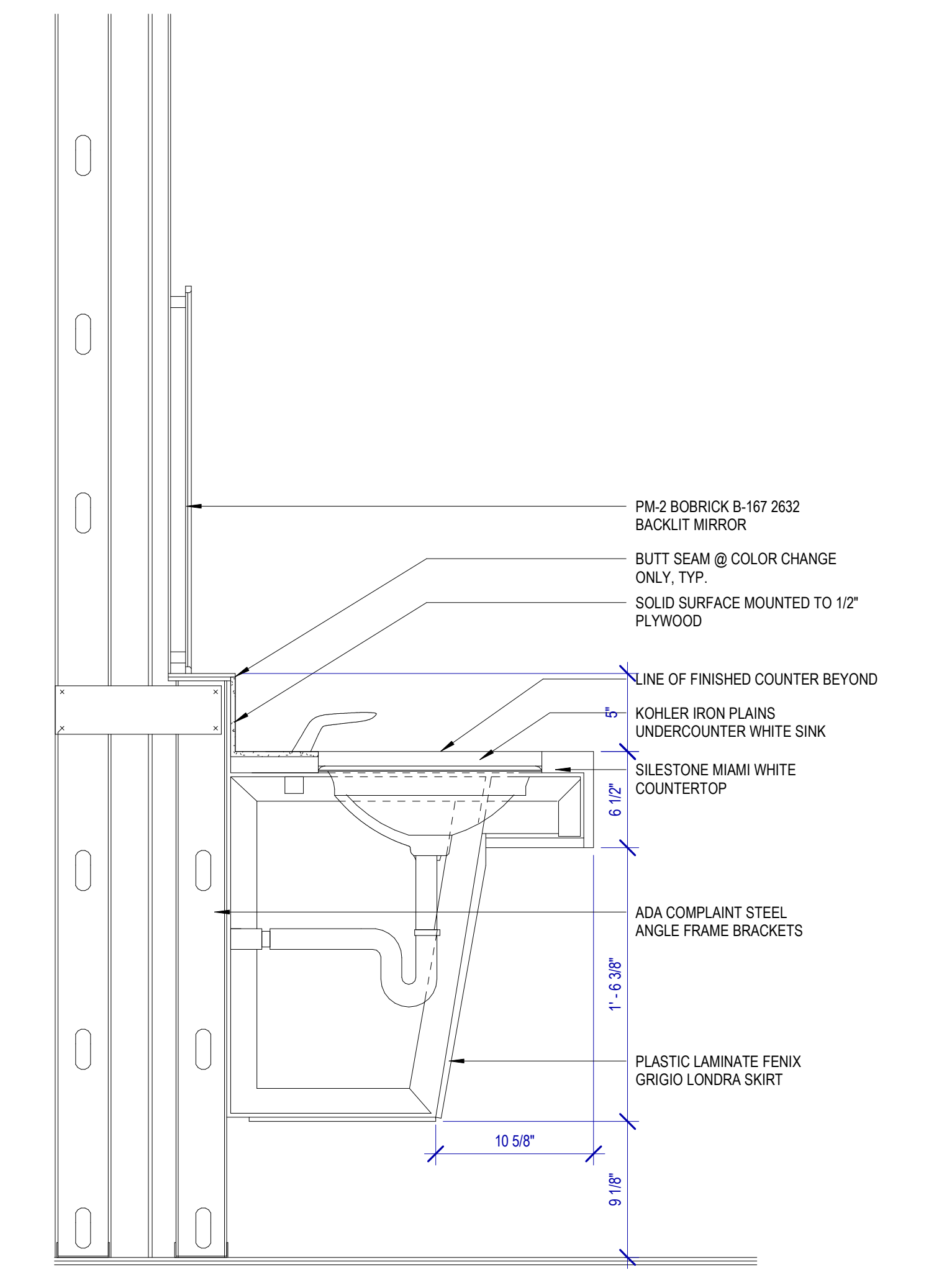
**7 SECTION DETAIL @ SINGLE SIDE SOAP DISPENSER**  
SCALE: 1 1/2" = 1'-0"



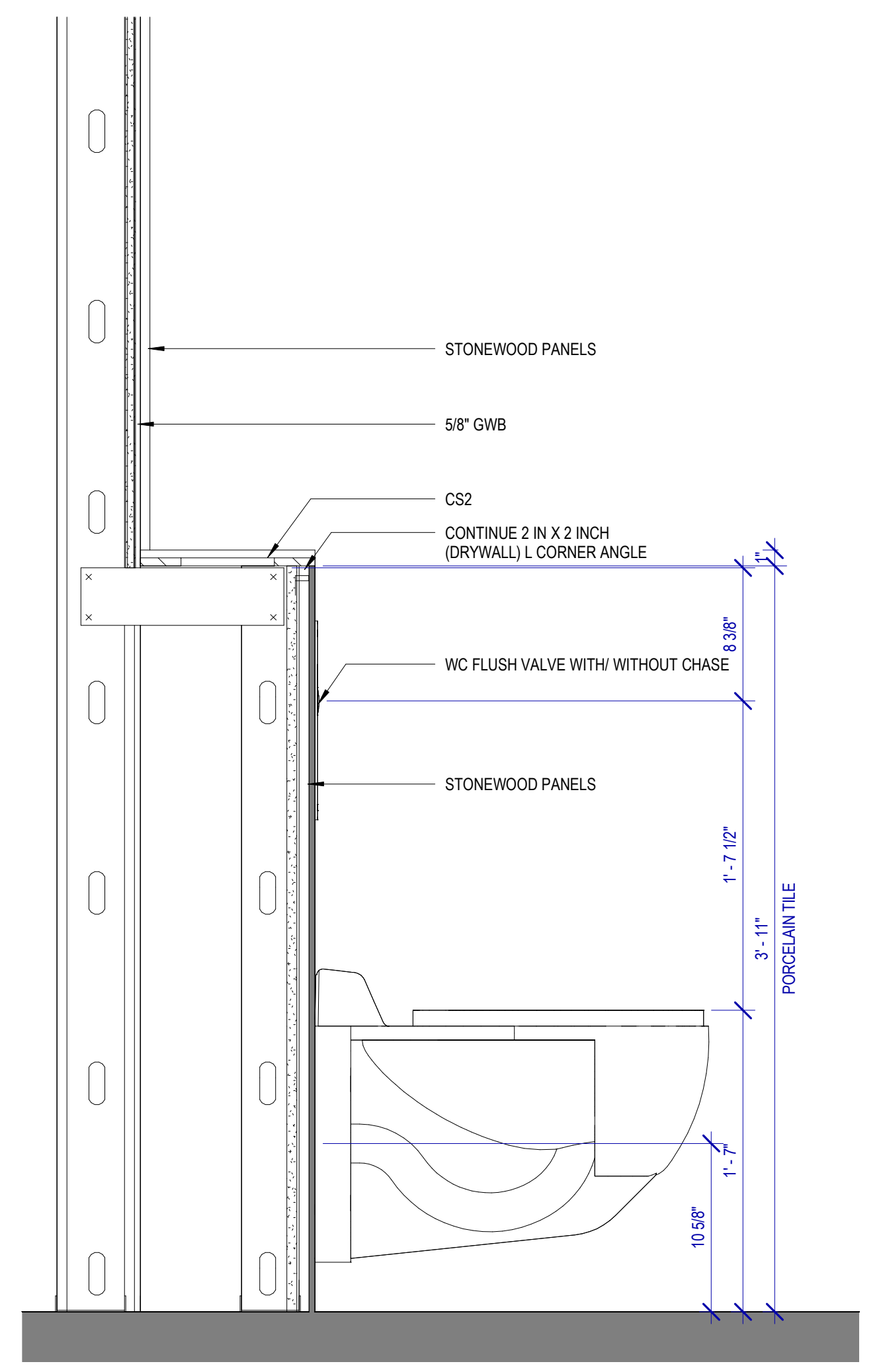
**6 SECTION DETAIL @ TYP. IPAD DOCKING**  
SCALE: 1 1/2" = 1'-0"



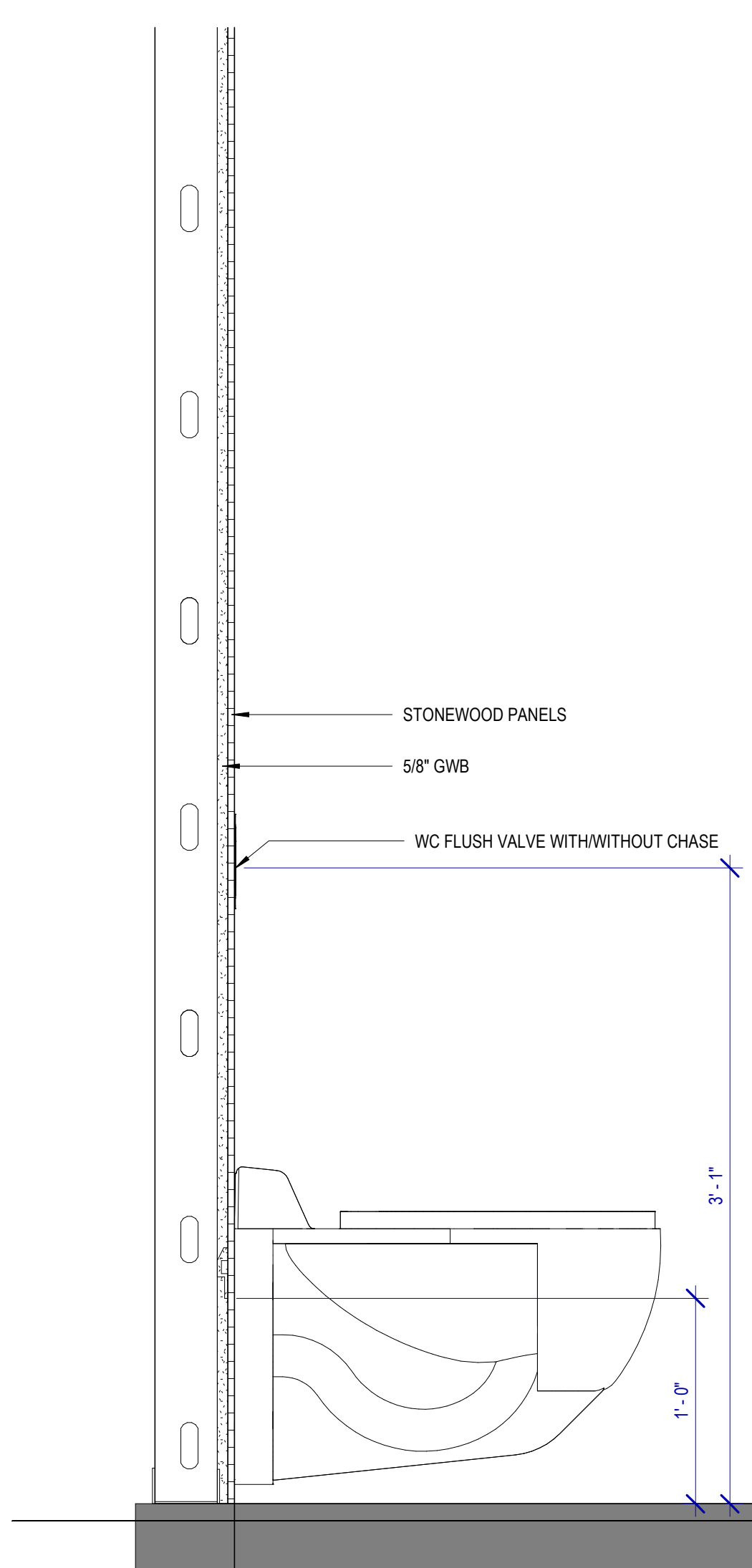
**5 SECTION DETAIL - TILE BASE TO WALL PANEL**  
SCALE: 3" = 1'-0"



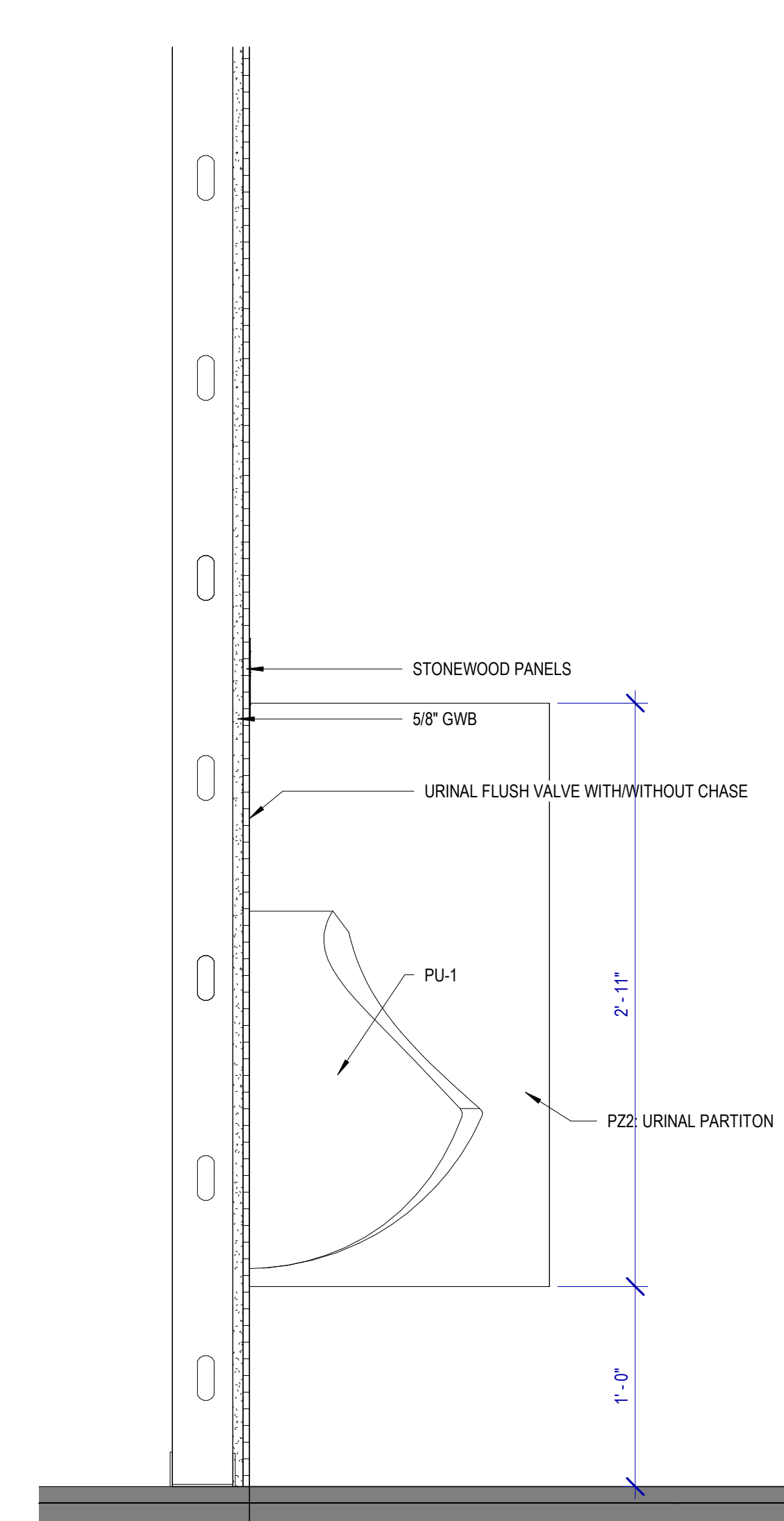
**4 DETAIL 1 - SINK**  
SCALE: 1 1/2" = 1'-0"



**3 SECTION @ WC SHELVING**  
SCALE: 1 1/2" = 1'-0"



**2 SECTION @ WC**  
SCALE: 1 1/2" = 1'-0"



**1 SECTION @ URINAL**  
SCALE: 1 1/2" = 1'-0"

PLOT DATE: DOA DWG FILE: DOA DOA No.: PLOT DATE: FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt HAS FILE:





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### IAH TERMINAL A RESTROOMS REFRESH

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

REVISIONS		
No.	DESCRIPTION	DATE BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
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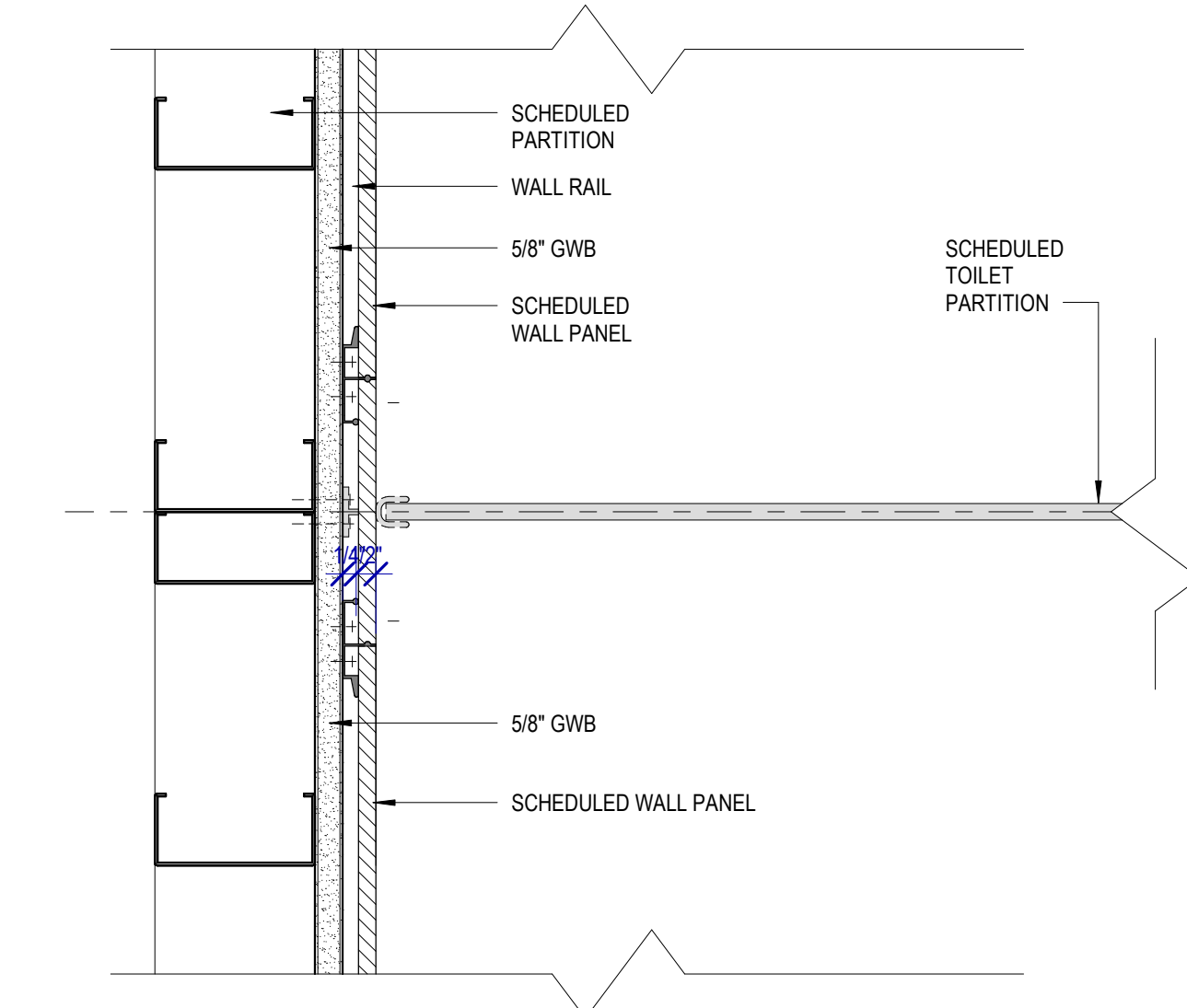
Review/Approval Category

**IFB**  
ISSUED FOR BIDDING

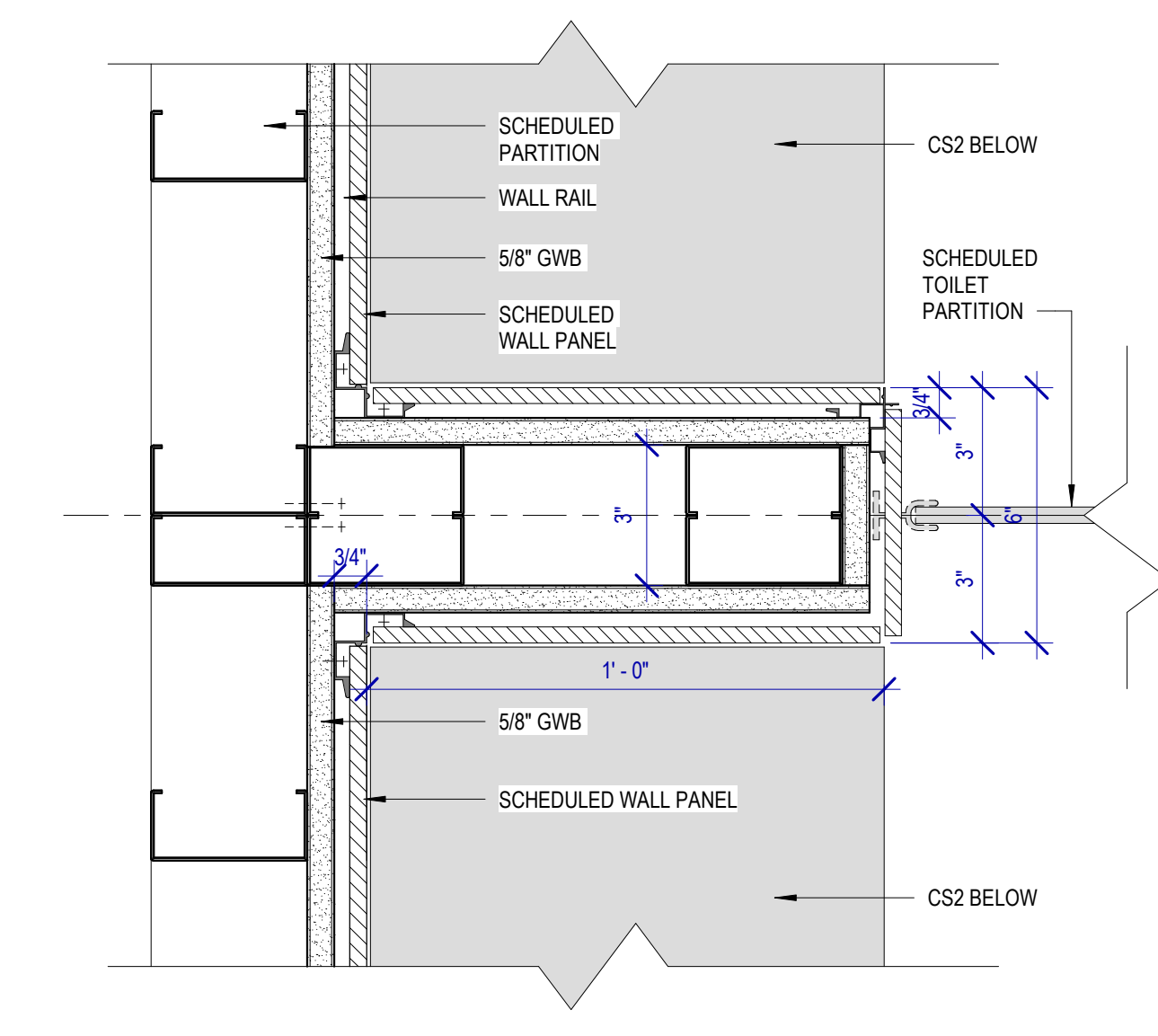
SHEET NAME: PLAN DETAILS

SHEET No. A-553 SCALE: 3" = 1'-0"

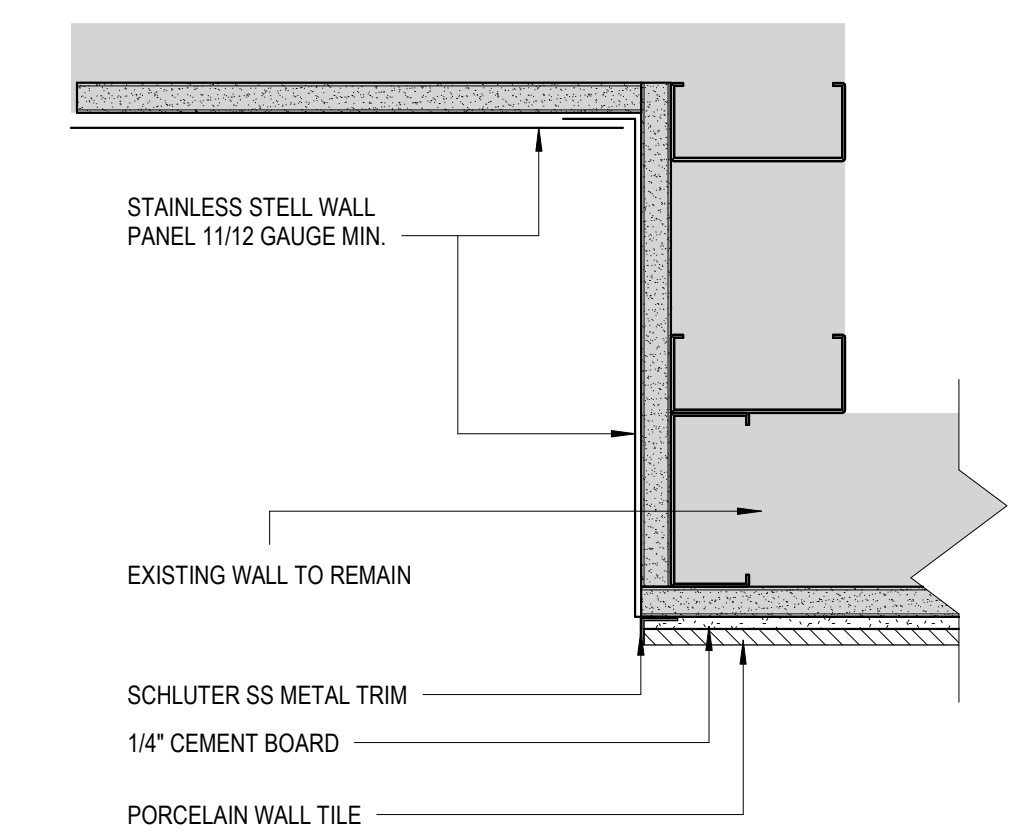
SHEET SIZE: 30"x42" ARCH E1



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



**2 PLAN DETAIL @ SHELVING BEHIND WC/URINALS1**  
SCALE: 3" = 1'-0"



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

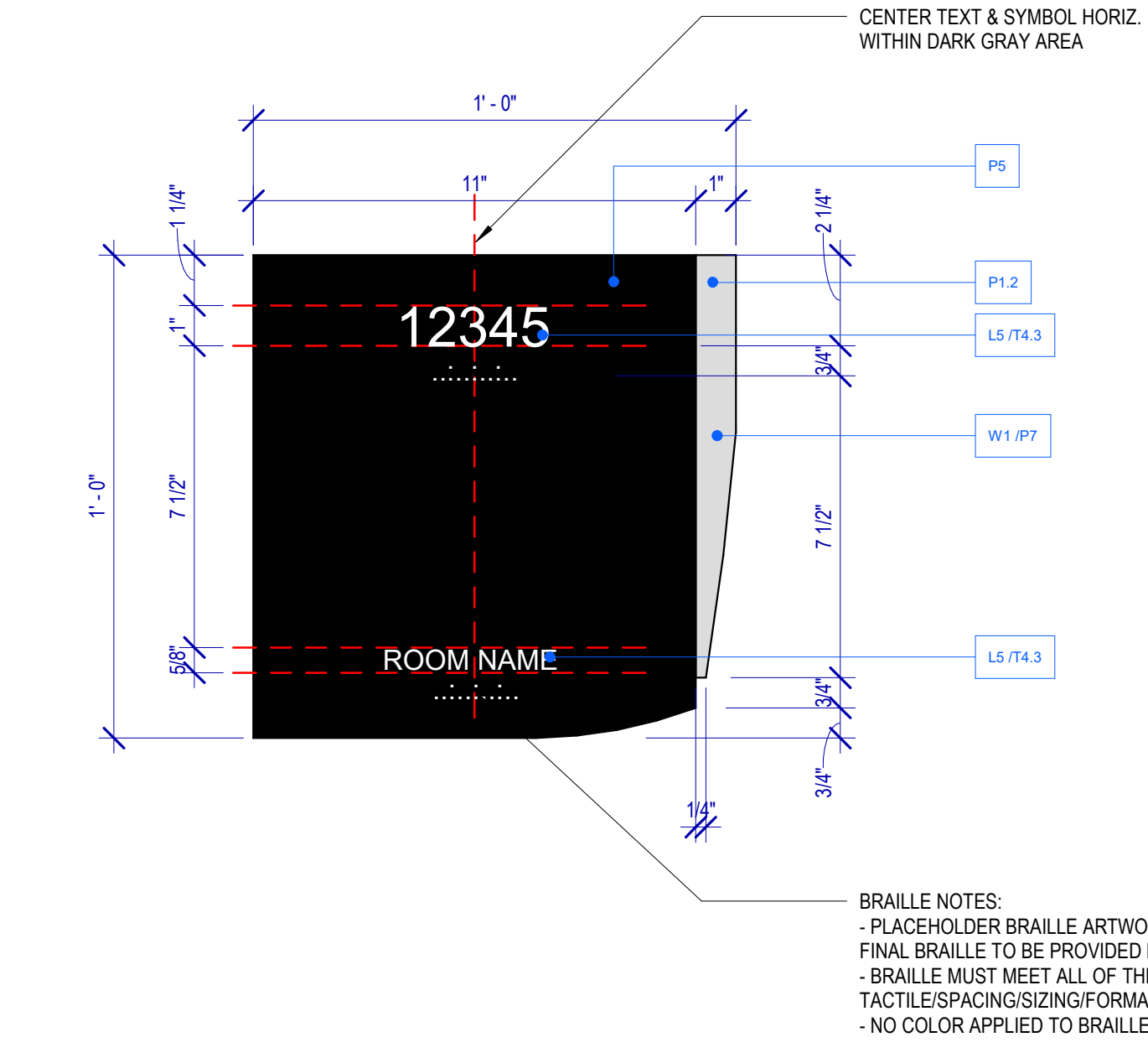
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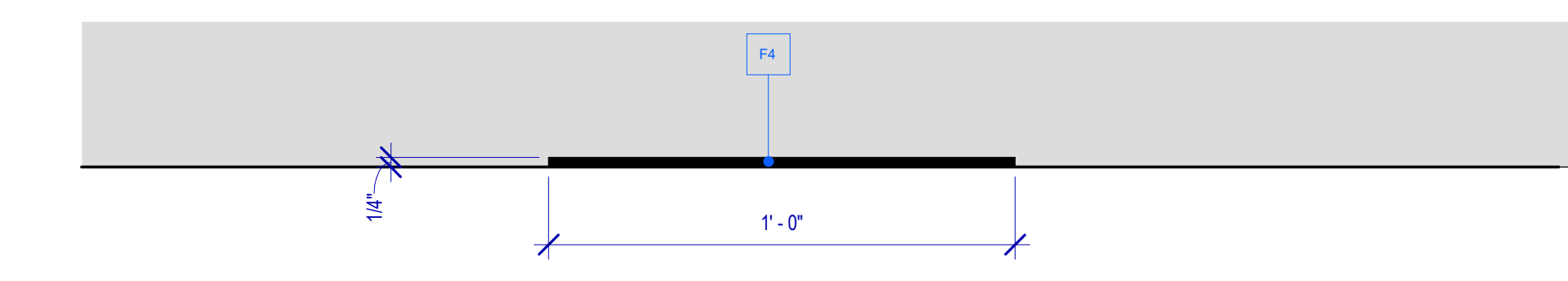
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PLOT DATE:  
DOA DWG FILE:  
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PLOT DATE:

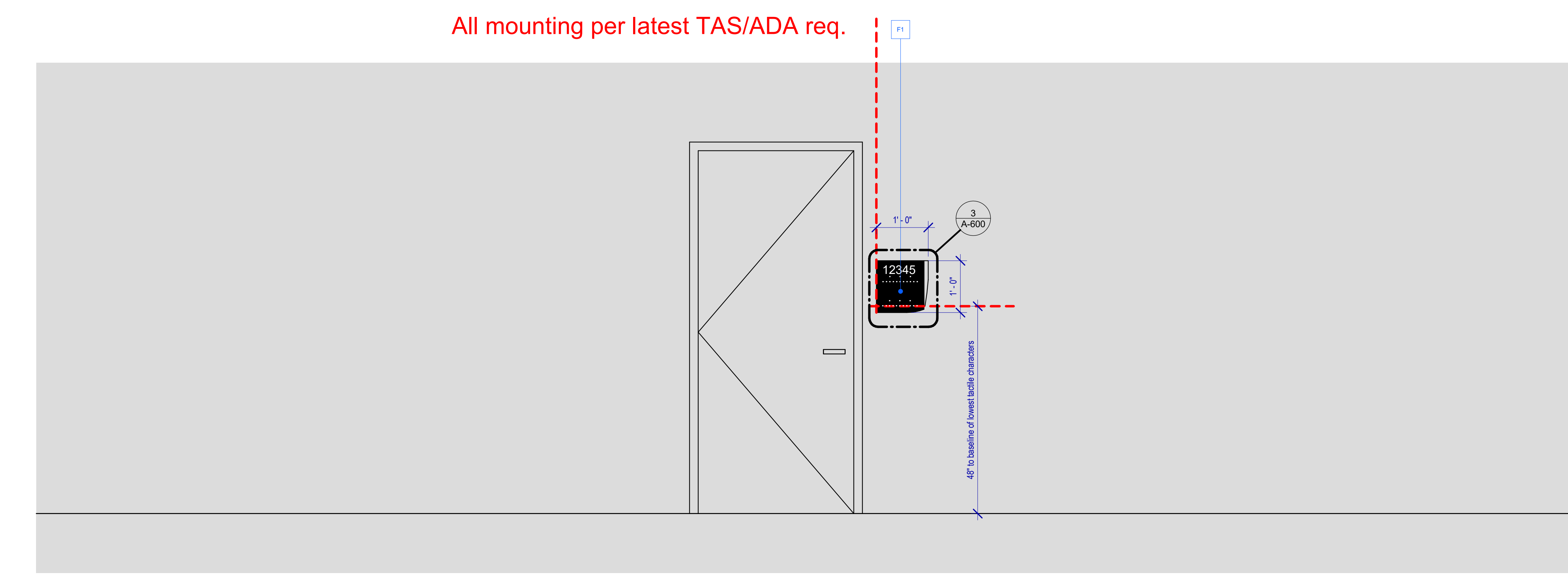
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.26\_Terminal A RR Refresh-Central.rvt  
HAS FILE:



**3 SIGNAGE FACE LAYOUT TYP.**  
SCALE: 3" = 1'-0"



**2 SIGNAGE PLAN VIEW**  
SCALE: 3" = 1'-0"



**1 ELEVATION**  
SCALE: 3/4" = 1'-0"

**BRAILLE NOTES:**  
- PLACEHOLDER BRAILLE ARTWORK/CHARACTERS SHOWN. FINAL BRAILLE TO BE PROVIDED BY FABRICATOR  
- BRAILLE MUST MEET ALL OF THE MOST RECENT TASI/ADA TACTILE SPACING/SIZING/FORATTING REQUIREMENTS  
- NO COLOR APPLIED TO BRAILLE

**GENERAL NOTES**

- ALL FINAL DESIGN, ENGINEERING AND AMOUNT/SIZING OF THE STRUCTURAL SIGN SUPPORT ELEMENTS, MATERIAL TYPES/THICKNESSES, DIMENSION AND ATTACHMENT METHODS SHALL BE PERFORMED AND APPROVED BY A LICENSED ENGINEER TO MEET OR EXCEED ALL APPLICABLE LOCAL AND NATIONAL CODES.
- FINAL ENGINEERING, DIMENSION, 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 METAL 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 FINISH TO BE REVIEWED AND APPROVED BY HAS AND WAYFINDING DESIGN CONSULTANTS THROUGH PROTOTYPE REVIEWS PRIOR TO BE FINAL PRODUCTION RUN/INSTALLATION PROCESS.
- COLORS SHOWN ARE FOR REFERENCE ONLY, AND ARE SUBJECT TO THE LIMITATION 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 PLACEHOLDER ONLY. SEE MESSAGE SCHEDULES SPECIFIC MESSAGING BY LOCATION AND SIGN TYPE.

**DESIGN INTENT NOTES**

- F1** SIGN PANEL: 1/4" THICK THENMOFORMED ACRYLIC PANEL, EDGES SANDED SMOOTH & BEASED, 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 TASI/ADA TACTILE SPACING/SIZING/FORATTING REQUIREMENTS)
- F4** MOUNTING: mounting height and location/ proximity to door, strike plates & finished entry opening per most recent TASI/ADA requirement; 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: 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

**COLORS:**

NOTES: "D" = DIGITAL PRINTED COLORS ON 3M 7725-20 WHITE UNLESS OTHERWISE NOTED; "P" = MATHEWS ACRYLIC POLYURETHANE (MAP) PAINT (OR EQUAL); SATIN FINISH; "V" = 3M VINYL FILM (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 348C
- 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



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**IAH TERMINAL A RESTROOMS REFRESH**

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

**REVISIONS**

NO.	DESCRIPTION	DATE	BY

DESIGN BY: GP  
DRAWN BY: GP/FF/SF/RB  
CHECKED BY: DO  
ISSUE DATE: 03/15/2024  
APPROVED BY: DO  
APPROVAL DATE: 03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

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

SHEET NAME: SIGNAGE DETAILS  
SHEET No. A-600 SCALE: As indicated  
SHEET SIZE: 30"x42" ARCH E1

**DOOR AND DOOR SCHEDULE GENERAL NOTES**

- ALL DOOR SIZES ARE TO JAMB OPENING SIZE.
- ALL UNDERCUT DOOR REQUIREMENTS FOR VARIOUS FLOOR FINISHES SHALL BE VERIFIED AND COORDINATED BY THE CONTRACTOR.
- ALL DOOR OPENINGS, FRAMES, AND HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.
- COORDINATE ALL DOORS AND DETAILS TO PROVIDE ADEQUATE CLEARANCE AND FRAME REINFORCEMENT FOR HARDWARE TYPES.
- TYPICAL DOOR BEVEL TO BE 1/8" IN 2" UNLESS NOTED OTHERWISE BY THE REQUIRED HARDWARE TEMPLATES.
- ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE OF EGRESS WITHOUT USE OF SPECIAL KNOWLEDGE OR EFFORT.
- DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE LOCATED 4" FROM THE FINISHED WALL TO OUTSIDE OF FINISHED JAMB.
- DOORS & FRAMES TO BE PAINTED TO MATCH ADJACENT WALL PAINT COLOR.

**DOOR SCHEDULE REMARKS LEGEND**

- DOOR CLOSER AND LATCH/LOCKSET, ALWAYS FREE EGRESS, FUNCTION PER HARDWARE SCHEDULE (REQUIRED AT ALL OPENINGS THROUGH FIRE RATED WALL ASSEMBLIES, OTHERS AS SCHEDULED)
- PROVIDE ROOM SIGN, REFER TO SHEET A-600

**DOOR HARDWARE GENERAL NOTES**

- HARDWARE SETS REPRESENT THE DESIGN INTENT. THEY ARE A GUIDE AND SHOULD NOT BE CONSIDERED A DETAIL. HARDWARE SCHEDULE DISCREPANCIES, CONFLICTING HARDWARE AND MISSING ITEMS SHOULD BE BROUGHT TO THE ATTENTION WITH THE ARCHITECT WITH CORRECTIONS MADE. OMITTED ITEMS NOT INCLUDED SHOULD BE SCHEDULED WITH THE APPROPRIATE ADDITIONAL HARDWARE REQUIRED FOR PROPER APPLICATION AND FUNCTIONALITY.
- ALWAYS FREE EGRESS, INGRESS WITH VALID CREDENTIAL.
- MANUFACTURERS LISTED ARE A BASIS OF DESIGN. ABBREVIATIONS USED IN THE LISTED SETS INCLUDE:  
 MK - MCKINNEY  
 RO - ROCKWOOD  
 BE - BORMAKABA BEST  
 OT - OTHER  
 RF - RIXSON  
 NO - NORTON

**DOOR SCHEDULE**

Mark	ROOM NAME	TYPE	DOOR OPENING			MATERIAL	FINISH	RDLR FIRE RATING	GLAZING TYPE	HARDWARE GROUP	DOOR FRAME			DETAILS			REMARKS		
			WIDTH	HEIGHT	DEPTH						TYPE	HEIGHT	WIDTH	FINISH	JAMB	HEAD		THRESHOLD	
103A	FAMILY RR 1-2	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	
102A	JANITOR C. RR 1-2	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	
123	JANITOR C. 15-16	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	
200A	JANITOR RR - 3	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	
200B	FAMILY RR - 4	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	
114	JANITOR RR 9-10	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	
113	ADULT RR	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	
122	FAMILY RR 15-16	B	0'-1 3/4"	3'-0"	6'-10"	HM	PT2				1	7'-0"	3'-4"	HM	PT2	5/A-601	6/A-601	10/A-600	

**MATERIALS & FINISH KEY**

**DIVISION 3 - CONCRETE**

**CONC1**  
 POLISHED BOMANITE VITRA FINISH OR EQUAL. MIN. 1000 GRIT GRIND WITH SATIN FINISH. REFER TO MANUFACTURER'S RECOMMENDATIONS. PROVIDE 3' X 3' MOCK UP FOR APPROVAL.

**CONC2**

**SEAL1**  
 SIKAGUICK® SMOOTH FINISH - LIGHTWEIGHT MORTAR FOR CONCRETE REPROFILING - COLOR: PRECAST GREY. SEAL WITH SIKAGUARD 740 W.

**DIVISION 9 - FINISHES**

**SOLID SURFACE**

**CS1**  
 SILSTONE - SOLID SURFACE - MIAMI WHITE

**RESILIENT TILE FLOOR**

**RET1**  
 LVT FLOOR - PATCRAFT ADMIX - SHARK'S TOOTH - 36IN X 36IN

**CEILING**

**MC1**

**TORSION SPRING CEILING**  
 GORDON - R116-764ST23 23% OPENING AV-3000 GRID, NO REVEAL - 2' X 4', 0.063" THICK ALUMINUM, 1/4" SOLID BORDER - PDR-60144 BLANCO MATTE

**MC2**

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

**MC3**

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

**MC4**

**STONEWOOD - TOPLAB VERTICAL WPS FACEMOUNT SYSTEM - 10MM THK - #194 - CB WHITE ICE**

**AG11**

**ARMSTRONG ULTIMA 2' X 2' ACOUSTICAL CEILING TILE, SUPRAFINE XL SUSPENSION SYSTEM**

**WALL FINISH**

**WP01**

**STONEWOOD - TOPLAB VERTICAL WPS FACEMOUNT SYSTEM - 10MM THK - #194 - CB WHITE ICE**

**WP02**

**STONEWOOD - TOPLAB VERTICAL WPS FACEMOUNT SYSTEM - 10MM THK - #194 - AB STONE GRAY**

**WP03**

**STONEWOOD - TOPLAB VERTICAL WPS FACEMOUNT SYSTEM - 10MM THK - #5407 - AB DEVILS LAKE**

**WP04**

**STONEWOOD - TOPLAB VERTICAL WPS FACEMOUNT SYSTEM - 10MM THK - #2378 - AB ELEPHANT**

**WP05**

**STONEWOOD - TOPLAB VERTICAL WPS FACEMOUNT SYSTEM - 10MM THK - #454 - SEI ABET LAMINATI**

**WP06**

**STONEWOOD - TOPLAB VERTICAL WPS FACEMOUNT SYSTEM - 10MM THK - #1941 - SEI ABET LAMINATI**

**PAINT**

**PT01**

**TBD - MATTE - CEILING WHITE - STANDARD CEILING**

**PT02**

**SHERWIN WILLIAMS - DIRECT TO METAL/SEMI-GLOSS - TRICORN BLACK**

**PT03**

**SHERWIN WILLIAMS - SW 9165 GOSAMER VEL - EGGSHELL FINISH**

**PAINT SPECIALTY**

**PTS1**

**GAGE ARCH PRODUCTS - GM4225 (FRC) (METAL FRAMES)**

**TILE**

**TB01**

**DALTILE - PORTFOLIO - GLAZED PORELAIN TILE - WALL BASE - CHARCOAL**

**TB02**

**DALTILE VOLUME 1.0 - GLAZED PORELAIN TILE - COVE BASE 6 X 12 - STEREO GREY**

**TB03**

**DALTILE PORTFOLIO - GLAZED PORELAIN TILE - WALLS 12 X 24 - ICE WHITE**

**TB04**

**DALTILE PORTFOLIO - GLAZED PORELAIN TILE - FLOOR 24 X 24 - CHARCOAL**

**TB05**

**DALTILE PORTFOLIO - GLAZED PORELAIN TILE - FLOOR 24 X 24 - ICE WHITE**

**TOILET PARTITIONS**

**PZ1**

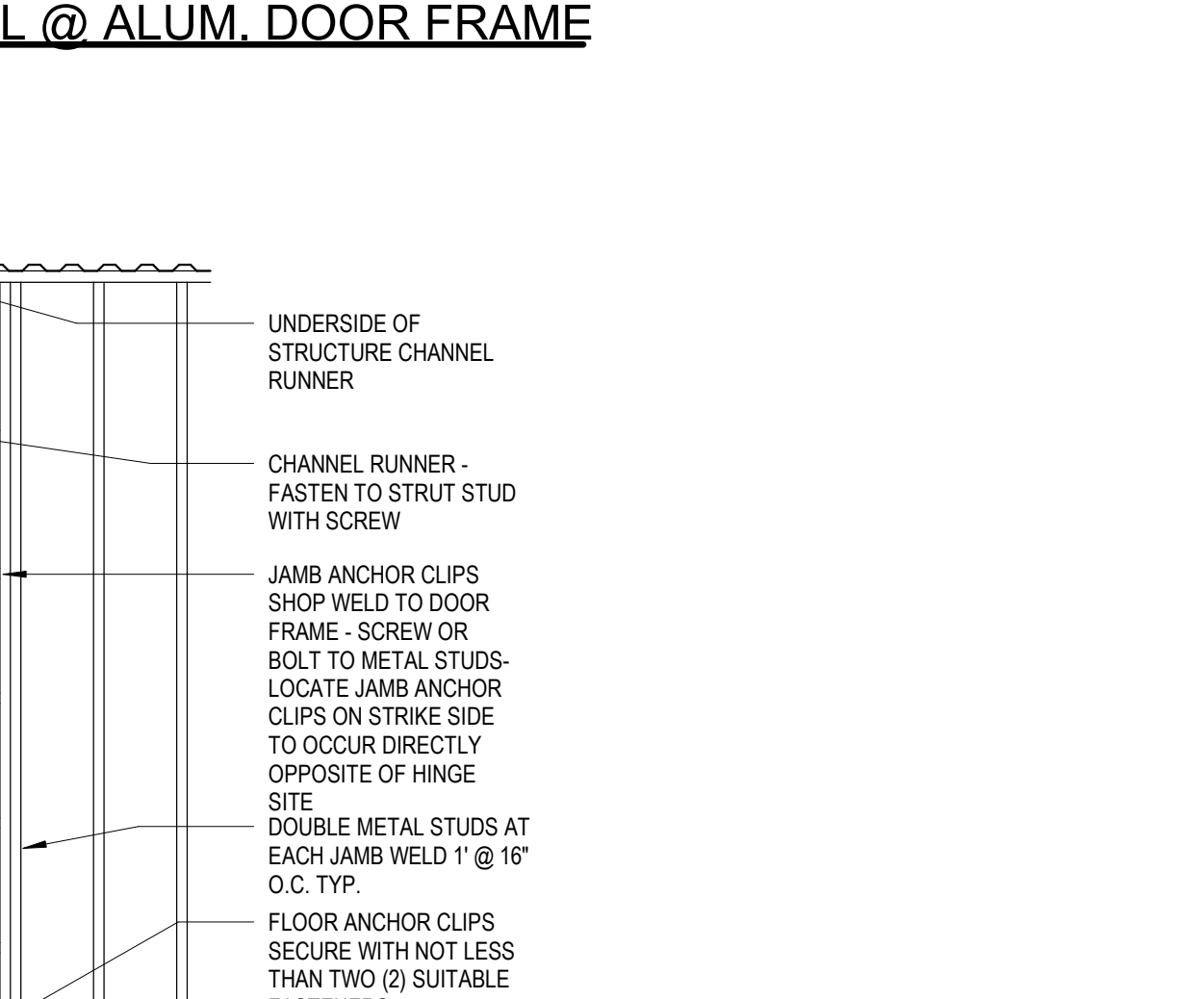
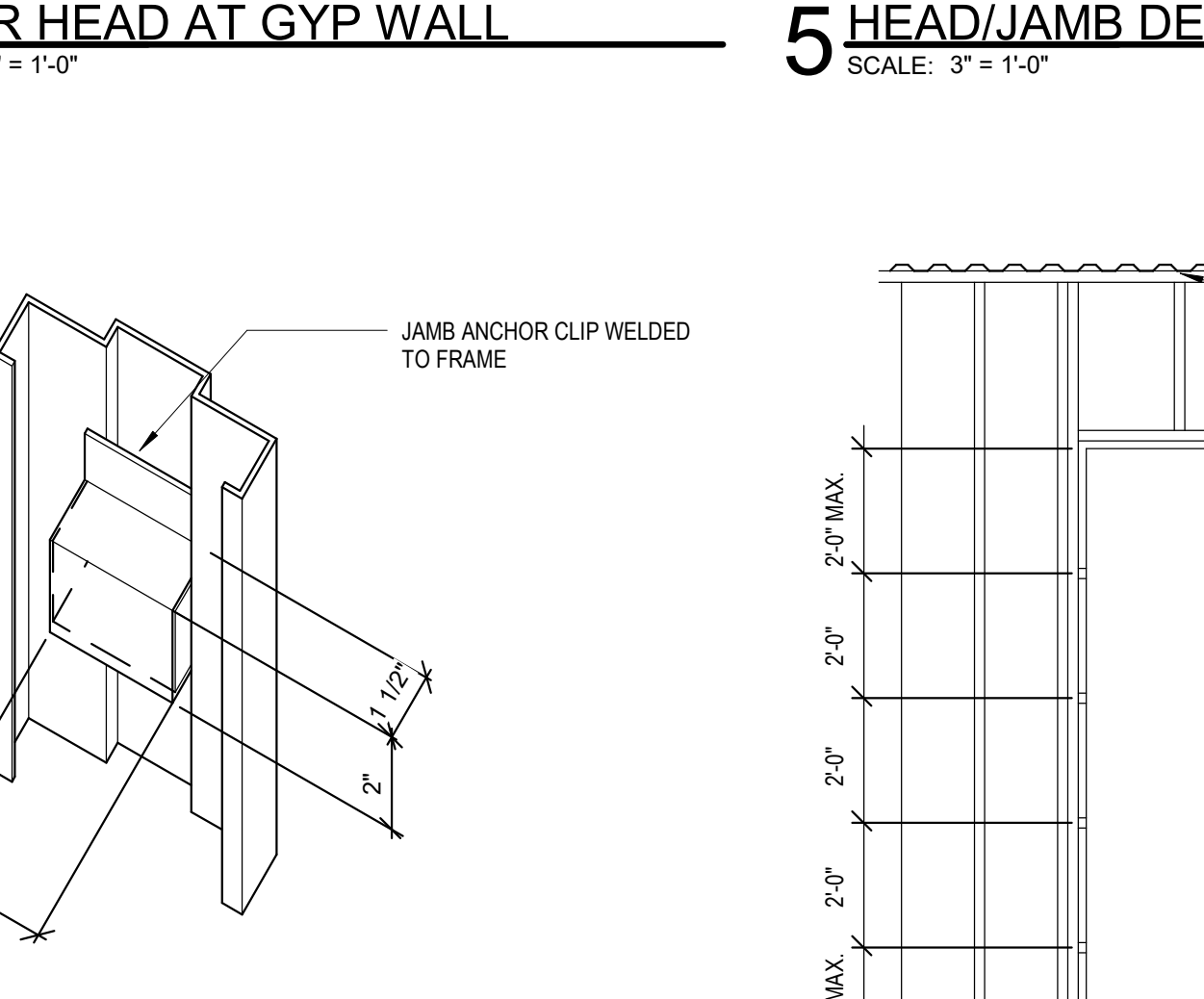
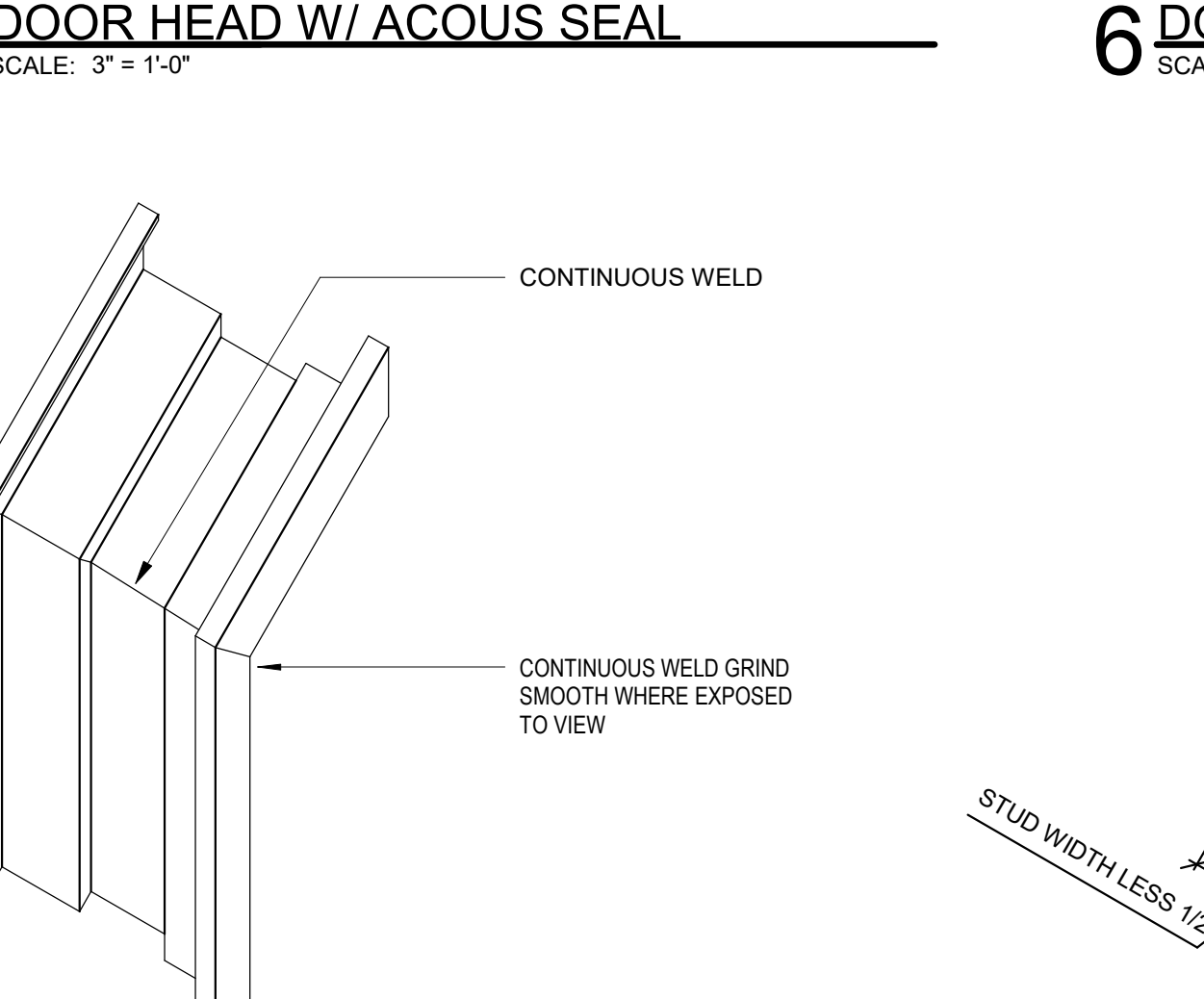
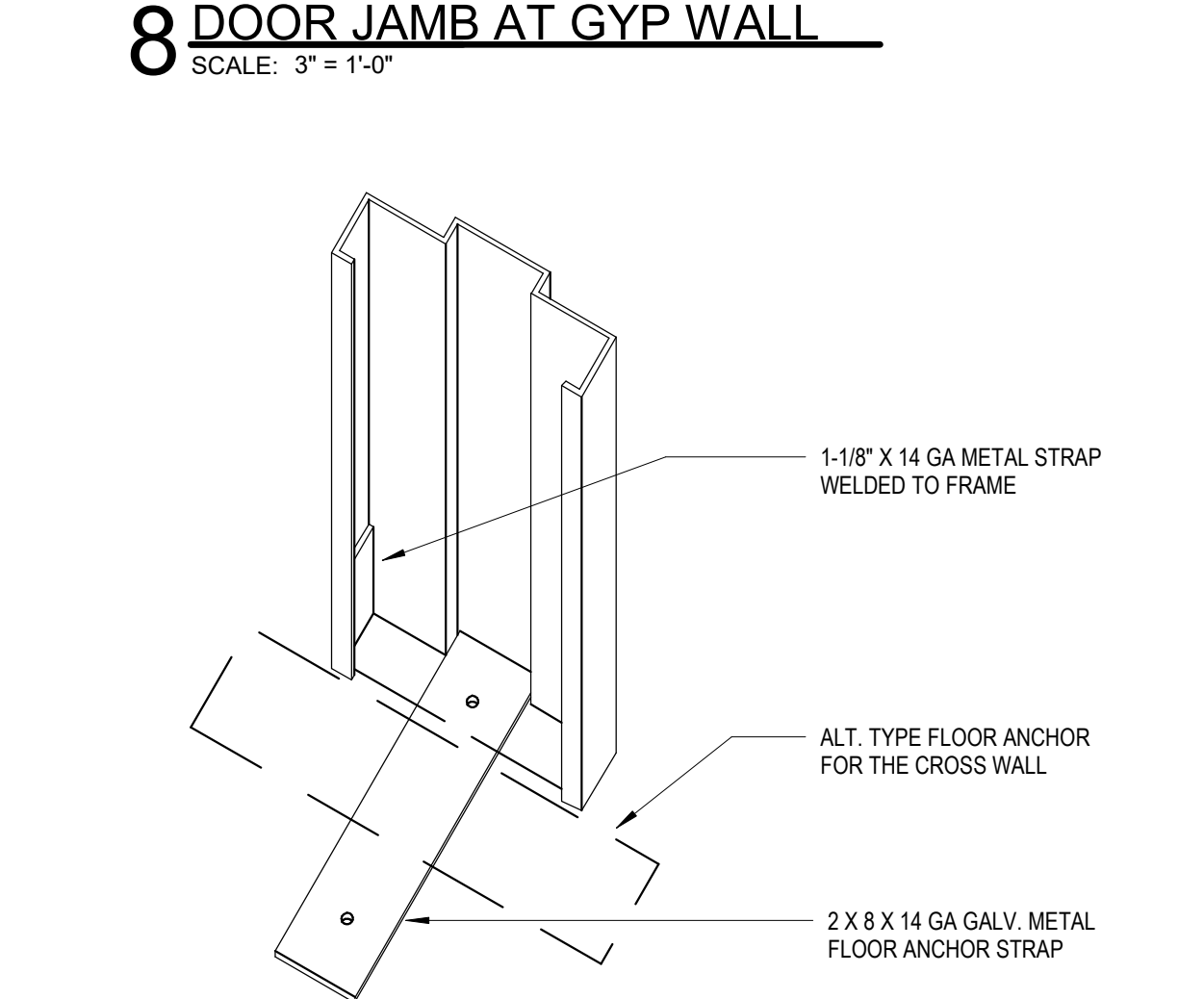
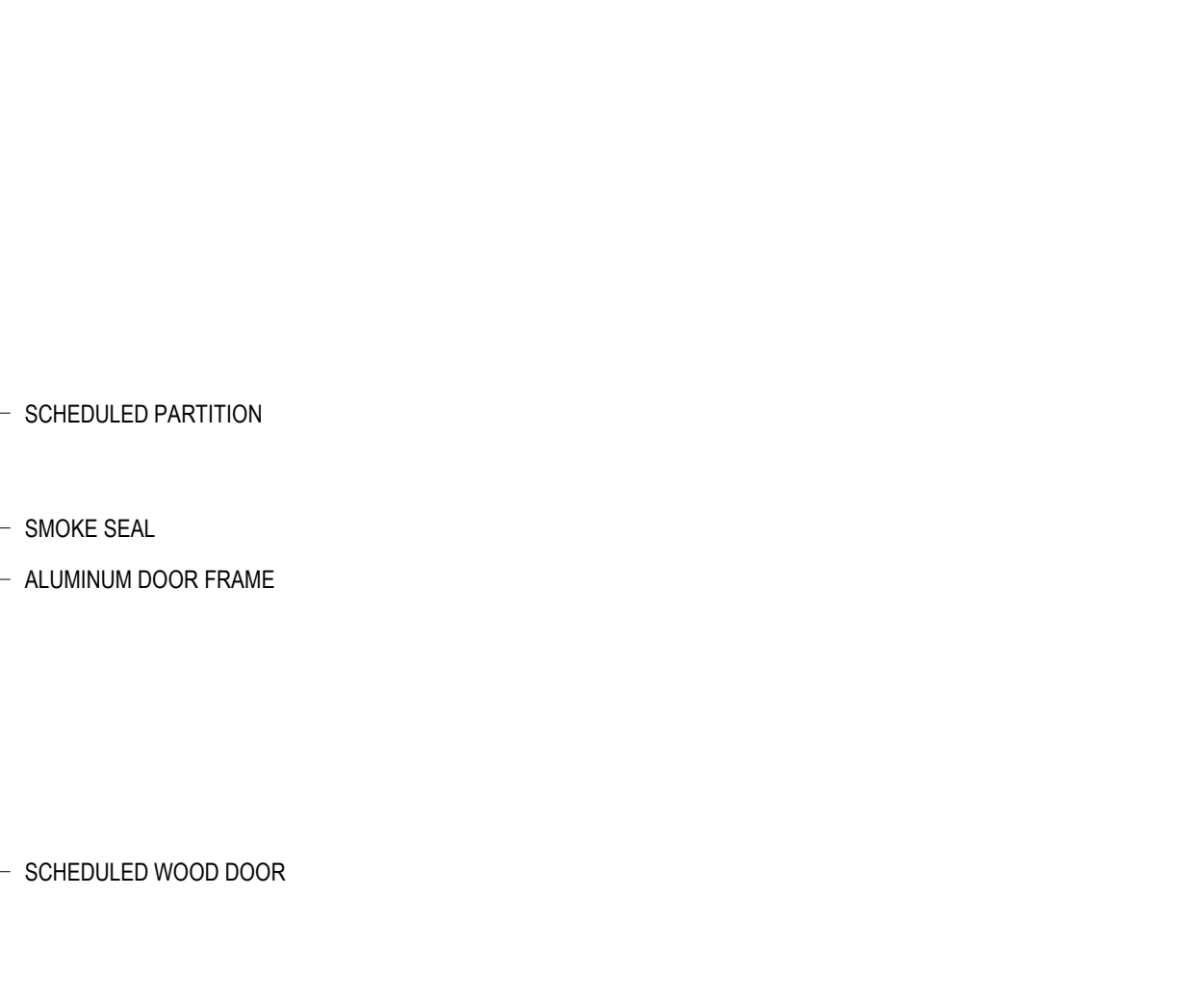
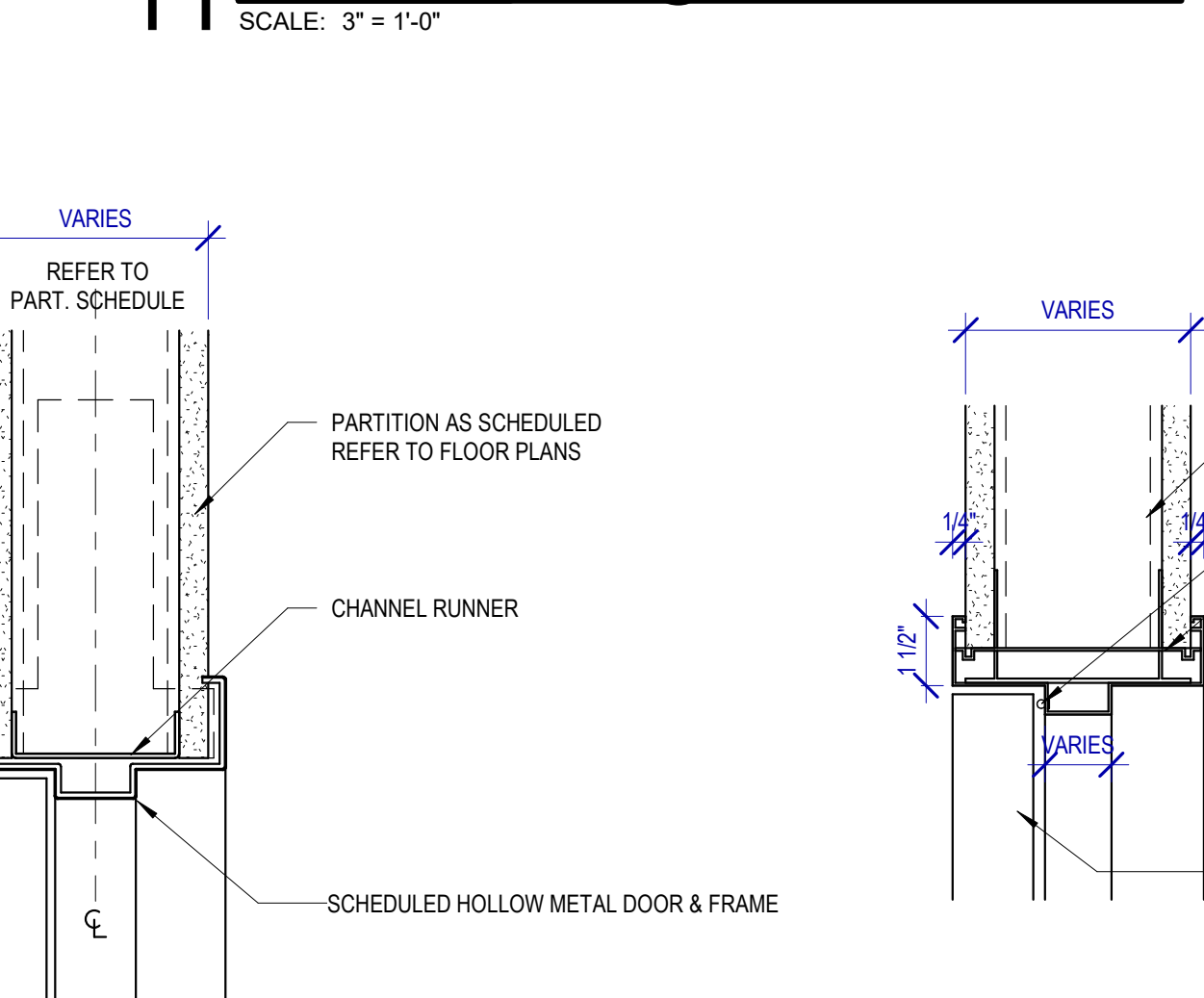
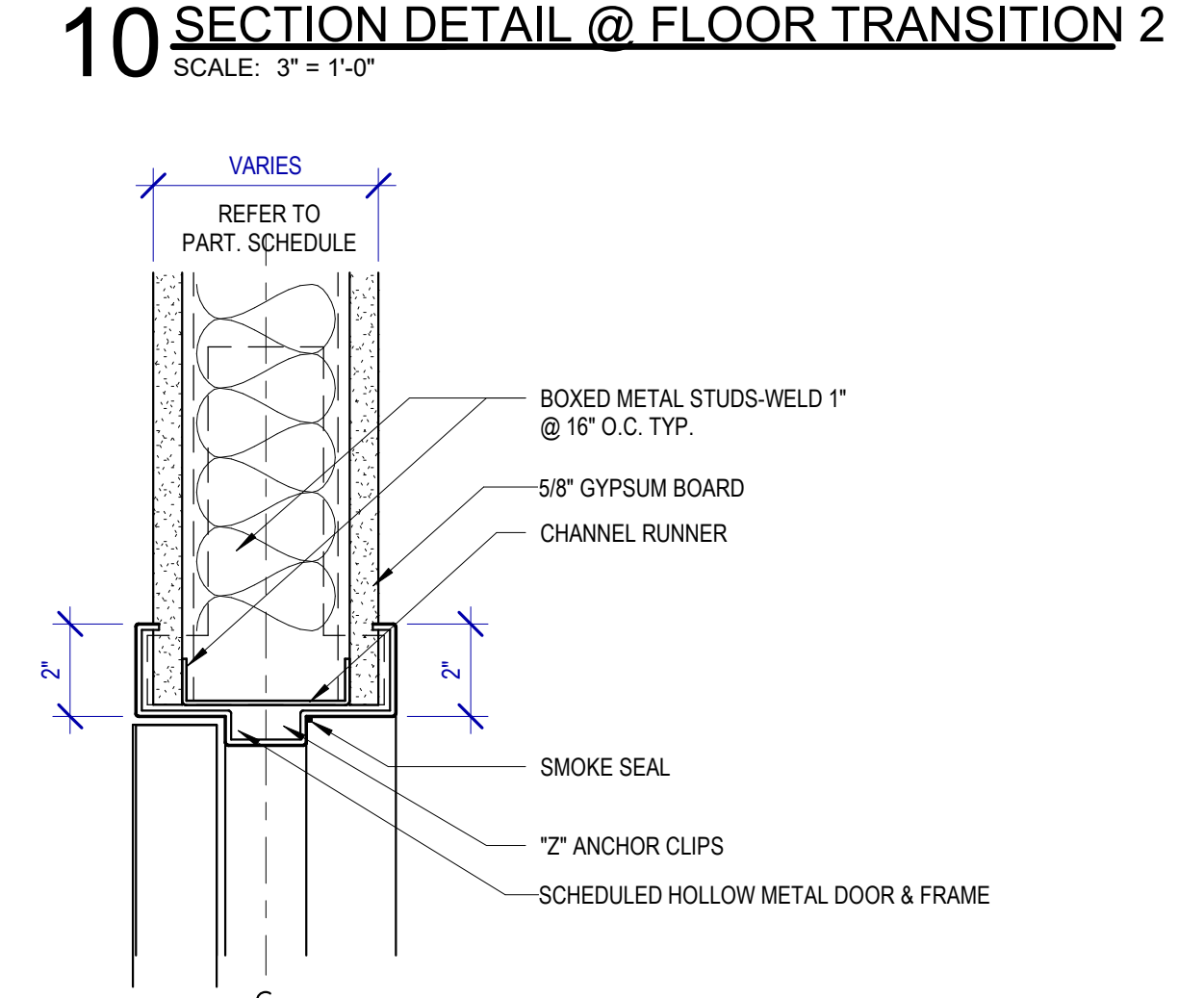
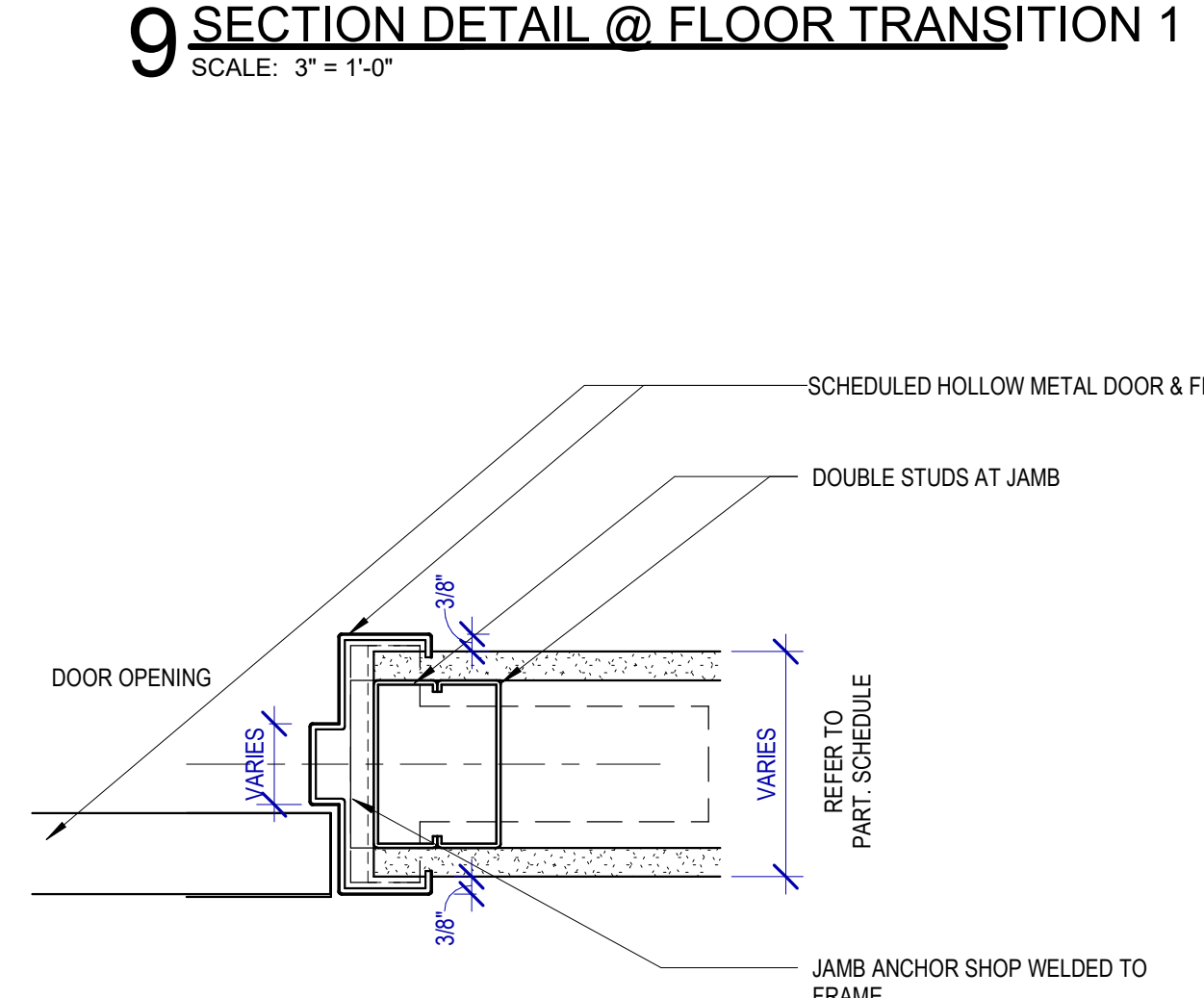
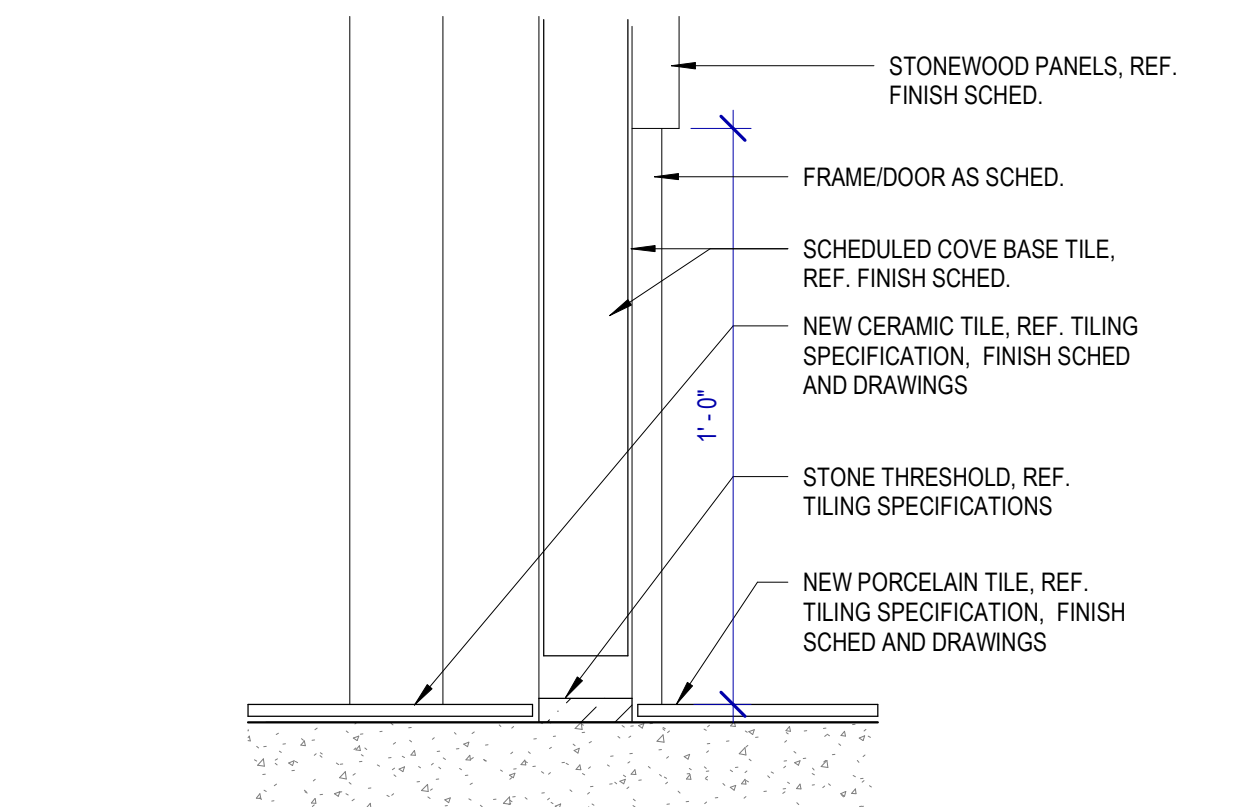
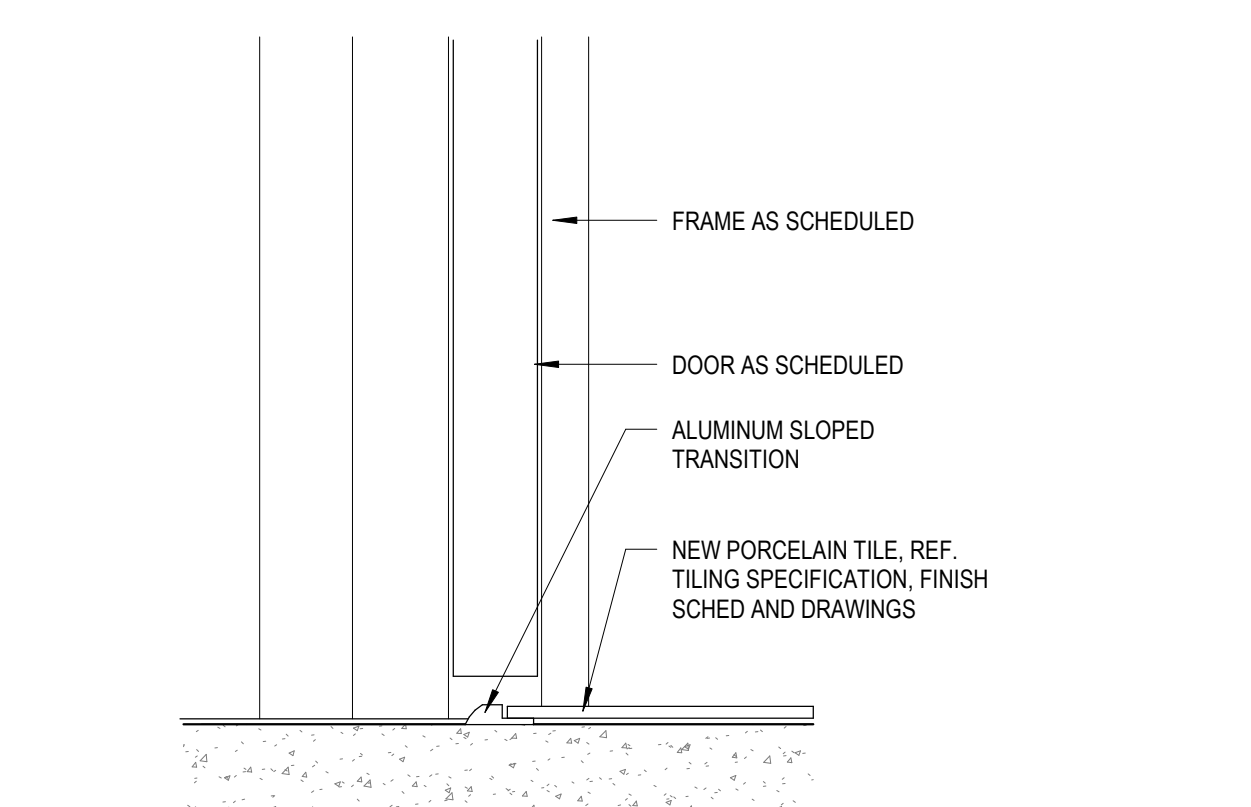
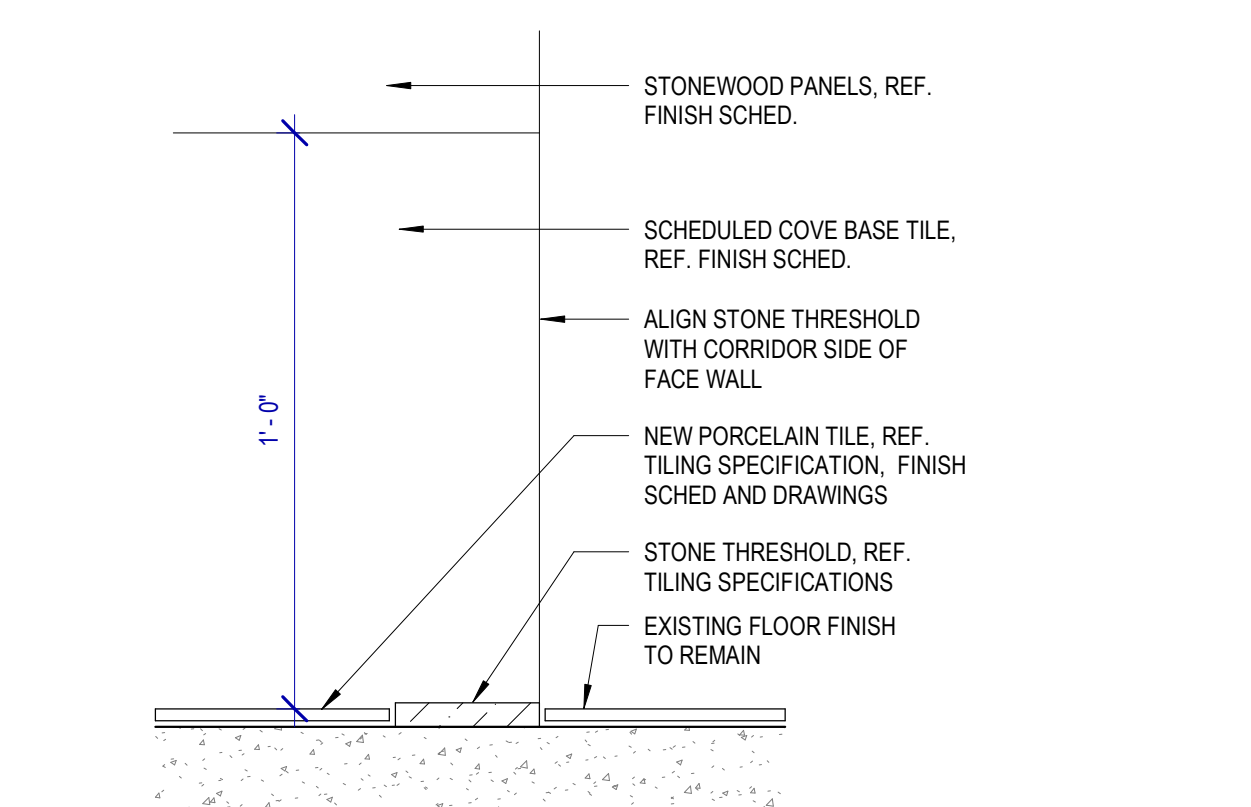
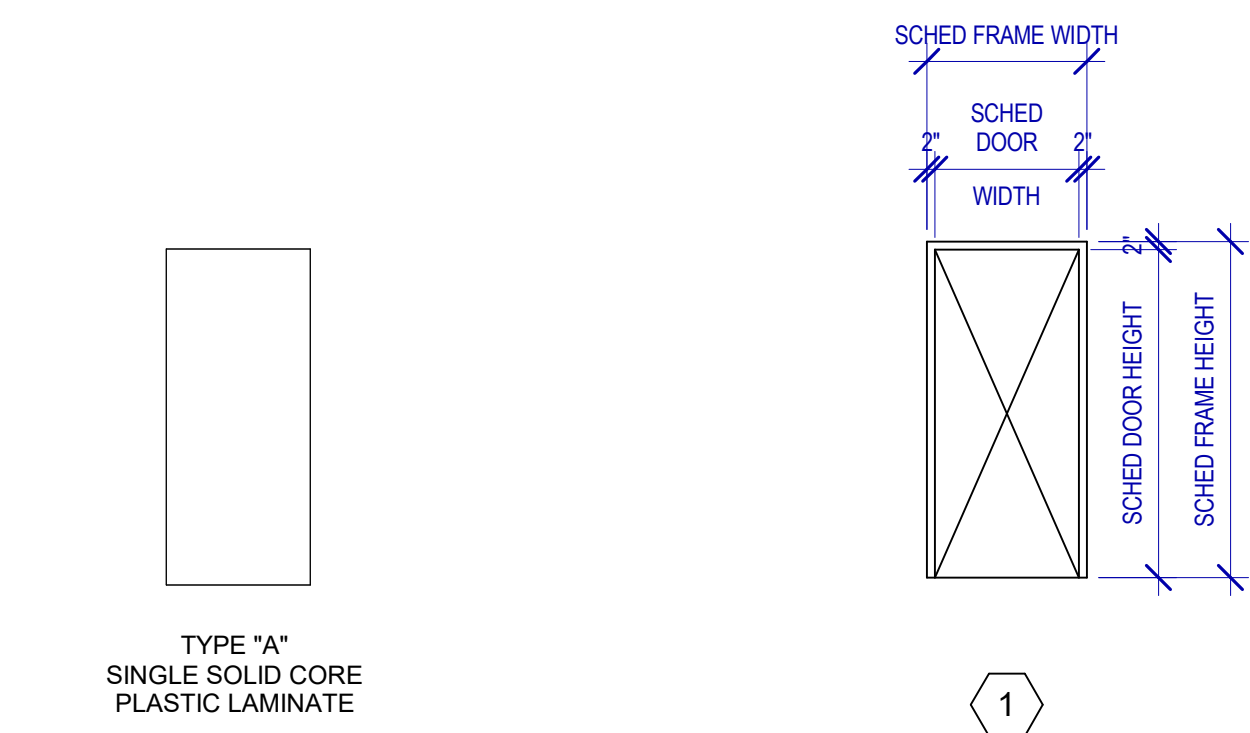
**THRUSLINGTON CUBICLES - K32 FLOW GLASS - IVORY BACK COLORED GLASS PANELS ON LAMINATE PARTITIONS. INTEGRATED OCCUPANCY STALL LIGHT: 3 1/8 INCHES GAP AT THE BOTTOM U NO. DOORS: W/ CORE WITH IVORY BACK PAINTED GLASS ON BOTH SIDES. STAINLESS STEEL HARDWARE AND HYDRAULIC CLOSER DIVIDER PANELS: PHENOLIC PANEL - WHITE NON GLOSSY FINISH**

**PZ2**

**THRUSLINGTON CUBICLES - K32 FLOW GLASS - LAMINATE PARTITIONS COVERED WITH IVORY BACK COLORED GLASS PANELS, NON-GLOSSY SATIN ALUMINUM - 44" H X 18" D**

**PZ3**

**REMARKS: MEN'S RESTROOMS, URINAL PARTITION. CHROME MOUNTING BRACKET TO BE SAND-BLASTED TO COUNTER HIGH REFLECTIVITY**



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

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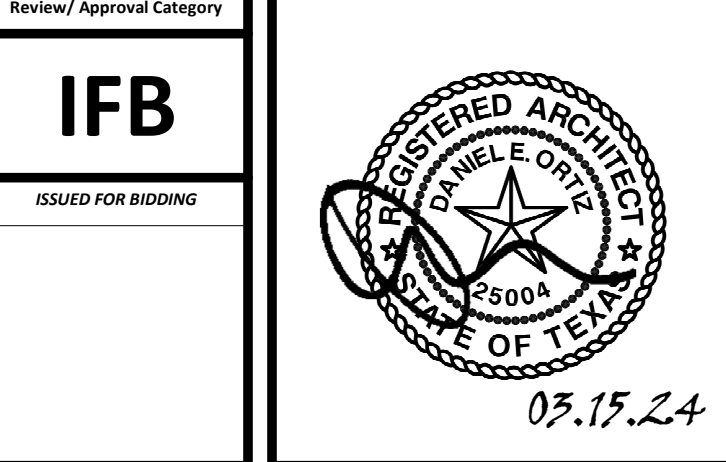
DESIGNER PROJECT No.:  
 PROJECT STATUS: **IFB**

**REVISIONS**

NO.	DESCRIPTION	DATE	BY

DESIGN BY:	GP
DRAWN BY:	GP/FF/SF/RB
CHECKED BY:	DO
ISSUE DATE:	03/15/2024
APPROVED BY:	DO
APPROVAL DATE:	03/15/2024

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 of  
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SHEET NAME:	DOOR SCHEDULE & MATERIAL FINISHES
SHEET No.	A-601
SCALE:	As indicated

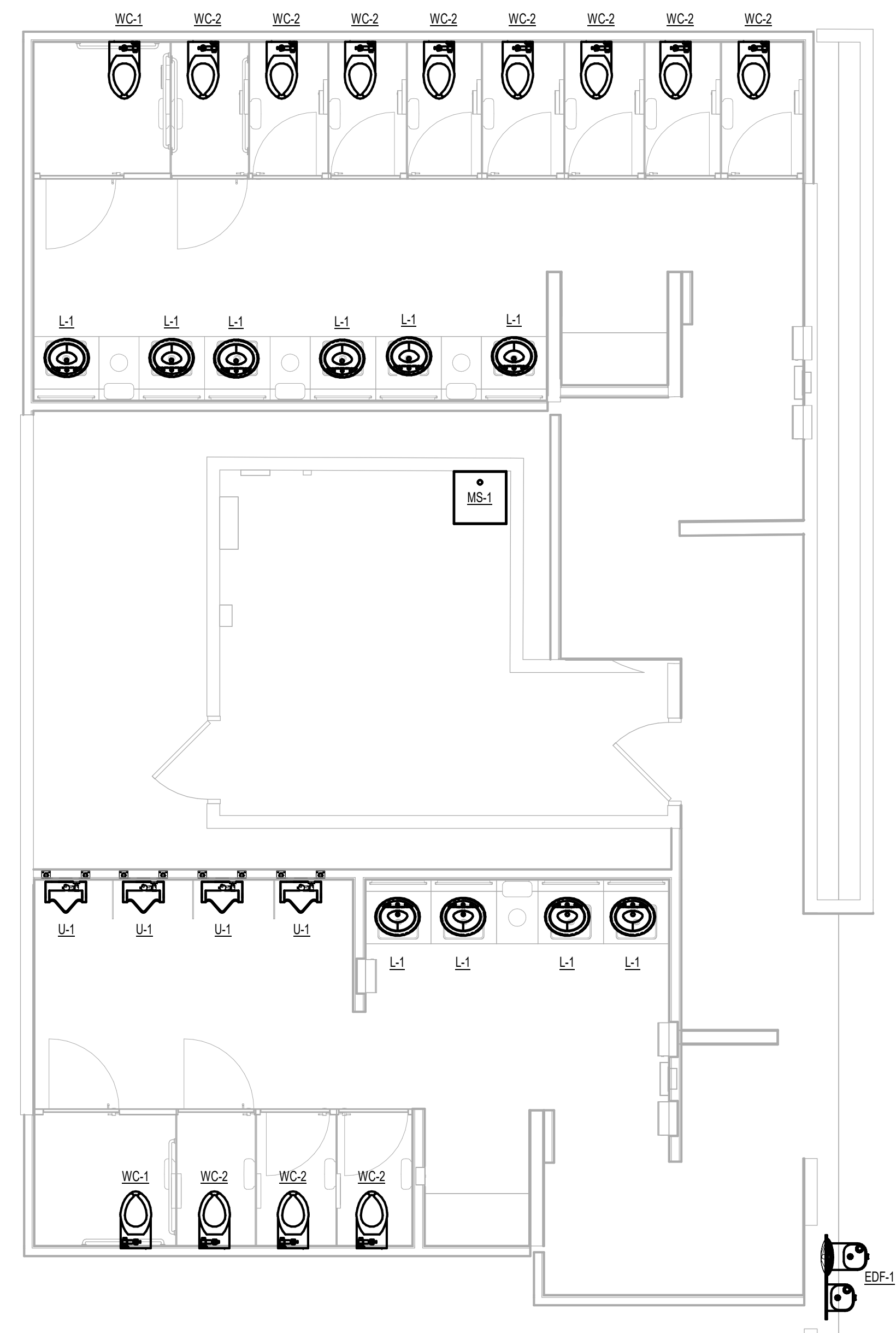
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 PLUMBING ENLARGED PLAN - RR 17 & 18  
1/4" = 1'-0"



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

REVISIONS		
No.	DESCRIPTION	DATE BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 05/02/23  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

**DIRECTOR  
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<p>Review/Approval Category <b>IFB</b> ISSUED FOR BIDDING</p>	<p>JE#4954 03/15/2024 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428</p>
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SHEET NAME:  
PLUMBING ENLARGED PLAN - RR 17 & 18

SHEET No. P4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

A

B

C

D

E

### 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			
EDF-1	ELECTRIC DRINKING FOUNTAIN						HYDROBOOST HTHB-HRFBSEB-1	WALL-MOUNTED BOTTLE FILLING STATION 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. ANTIMICROBIAL, 309 CERTIFIED. LEAD-FREE DESIGN. CERTIFIED TO NSF/ANSI 42, 53, 61, & 372 (LEAD-FREE), ADA-COMPLIANT.	
L-1	LAVATORY (COUNTERTOP)		12"	12"	2"	1-1/2"	BRADLEY	VERGE LVQD2 0476.028 BASIN - BRADLEY VERGE SINK, LVQD2 SERIES. EVERO CLASSIC GEO SERIES MYKONOS. FAUCET - WASHBAR WB1, U-SHAPED SENSOR FAUCET - BRUSHED STAINLESS STEEL, STANDARD 0.5GPM LAMINAR FLOW. PROVIDE WITH HARD-WIRED AC POWER SUPPLY. PROVIDE WITH WATTS RLFMMK, ASSE 10V COMPLIANT THERMOSTATIC MIXING VALVE. APPLURTENANCES - KOHLER K-8999 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 FLA GRID SINK STRAINER, MULTIPLE-FEED SOAP SYSTEM.	
L-2	LAVATORY (WALL HUNG)		12"	12"	2"	1-1/2"	BRADLEY	EVERO UNDERMOUNT VERGE LVQD2 BASIN - BRADLEY VERGE SINK, LVQD2 SERIES. EVERO CLASSIC GEO SERIES MYKONOS. FAUCET - WASHBAR WB1, U-SHAPED SENSOR FAUCET - BRUSHED STAINLESS STEEL, STANDARD 0.5GPM LAMINAR FLOW. PROVIDE WITH HARD-WIRED AC POWER SUPPLY. PROVIDE WITH WATTS RLFMMK, ASSE 10V COMPLIANT THERMOSTATIC MIXING VALVE. APPLURTENANCES - KOHLER K-8999 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 FLA GRID SINK STRAINER, MULTIPLE-FEED SOAP SYSTEM.	
MS-1	MOP SINK		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 Z8400-XL, CHROME PLATED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS ADJUSTABLE WALL BRACE, PAL HOOK AND 3/4" HOSE THREAD ON SPOUT. BODY INLETS 8" CENTER TO CENTER. COLD (BLUE) AND HOT (RED) INDICATORS.	
U-1	URINAL		1-1/2"		4"	2"	TOTO	UT104EV 6590.001 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 FLUSHMETER FOR SCENARIOS WITH WALK-IN CHASE. TOTO TETZLA SATIN FINISH WALL-MOUNTED FLUSHMETER FOR SCENARIOS WITHOUT WALK-IN CHASE. TOTO TETZLA SATIN FINISH.	
WC-1	WATER CLOSET (ADA)		1-1/2"		4"	2"	TOTO	CT770BEVG 2257.103 BOWL, WALL HUNG, WHITE VITREOUS CHINA, TOP-SPUD FLUSHMETER 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 FLUSHMETER FOR SCENARIOS WITH WALK-IN CHASE. TOTO TETZLA SATIN FINISH WALL-MOUNTED FLUSHMETER 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 HAPMOMANSI 2124.5-2013. TOTO SCS34.	
WC-2	WATER CLOSET		1-1/2"		4"	2"	TOTO	CT770BEVG BOWL, WALL HUNG, WHITE VITREOUS CHINA, TOP-SPUD FLUSHMETER 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 FLUSHMETER FOR SCENARIOS WITH WALK-IN CHASE. TOTO TETZLA SATIN FINISH WALL-MOUNTED FLUSHMETER 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 HAPMOMANSI 2124.5-2013. TOTO SCS34.	



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### IAH TERMINAL A - RESTROOMS REFRESH

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

#### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 05/02/23  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

<p>Review/Approval Category</p> <p><b>IFB</b></p> <p>ISSUED FOR BIDDING</p>	<p>JE#4954 03/15/2024 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428</p>
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SHEET NAME: PLUMBING SCHEDULES AND DETAILS

SHEET No. P5.01 SCALE:

SHEET SIZE: 30"x42" ARCH E1

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

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B

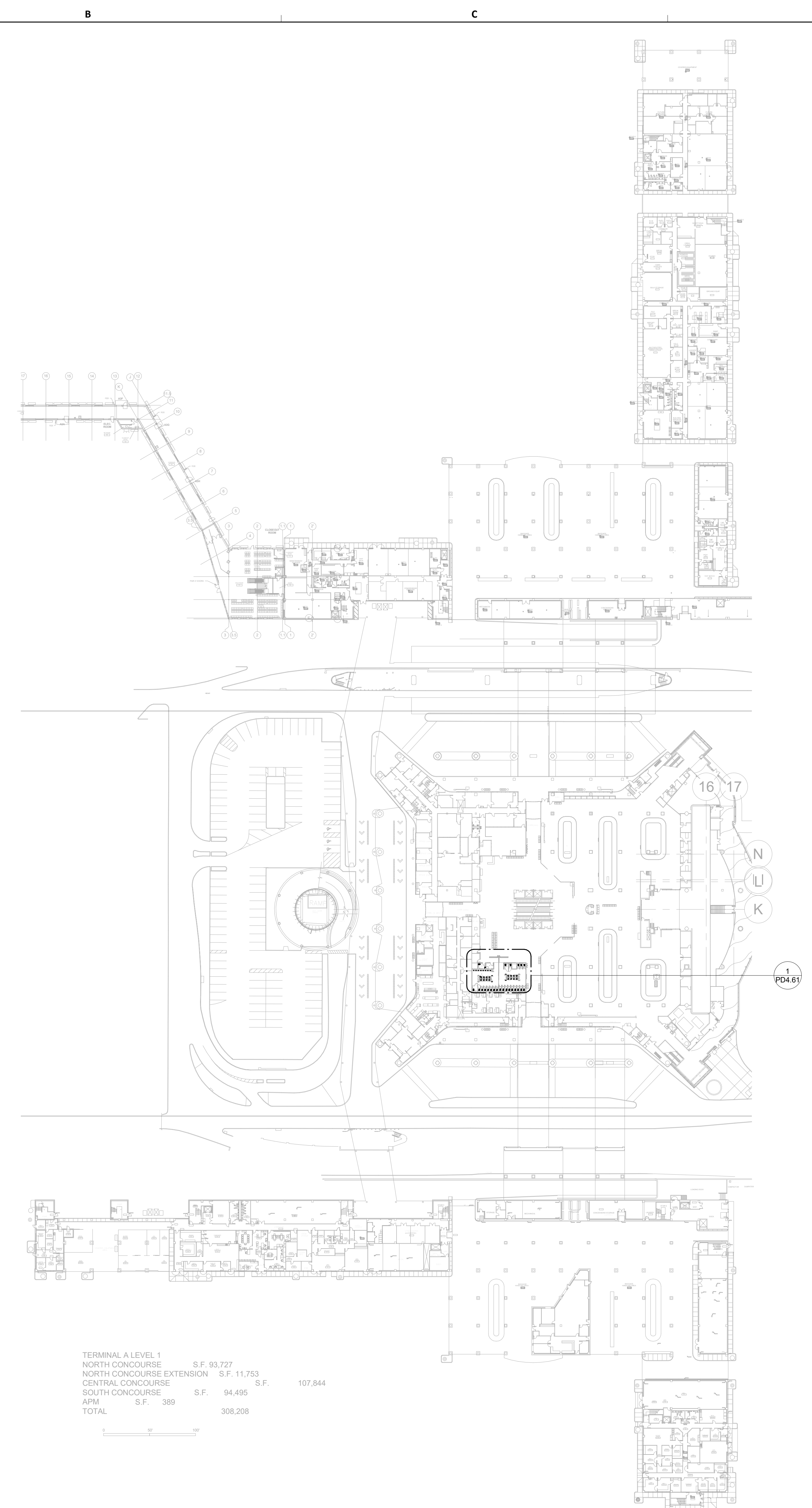
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D

E

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:



TERMINAL A LEVEL 1			
NORTH CONCOURSE	S.F.	93,727	
NORTH CONCOURSE EXTENSION	S.F.	11,753	
CENTRAL CONCOURSE	S.F.		107,844
SOUTH CONCOURSE	S.F.	94,495	
APM	S.F.	389	
TOTAL			308,208

**1** PLUMBING DEMO OVERALL PLAN - LEVEL 1  
1" = 60'-0"



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Houston, Texas 77032

**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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

**REVISIONS**

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**IFB**  
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JE#4954  
03/15/2024  
THE SEAL APPEARING ON THIS DOCUMENT WAS  
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SHEET NAME:  
PLUMBING DEMO OVERALL PLAN - LEVEL 1

SHEET No. PD1.11 SCALE: 1" = 60'-0"

SHEET SIZE: 30"x42" ARCH E1



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**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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

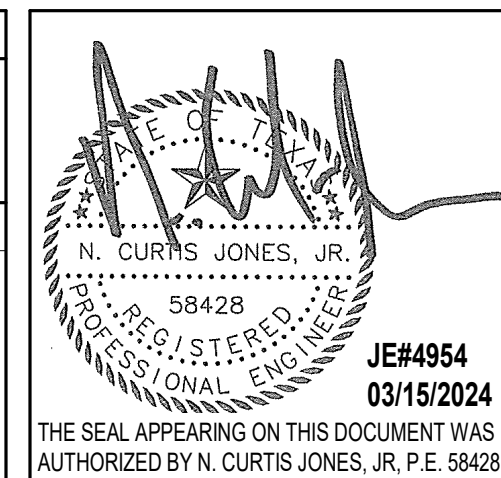
**REVISIONS**

No.	DESCRIPTION	DATE	BY

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DRAWN BY: JE  
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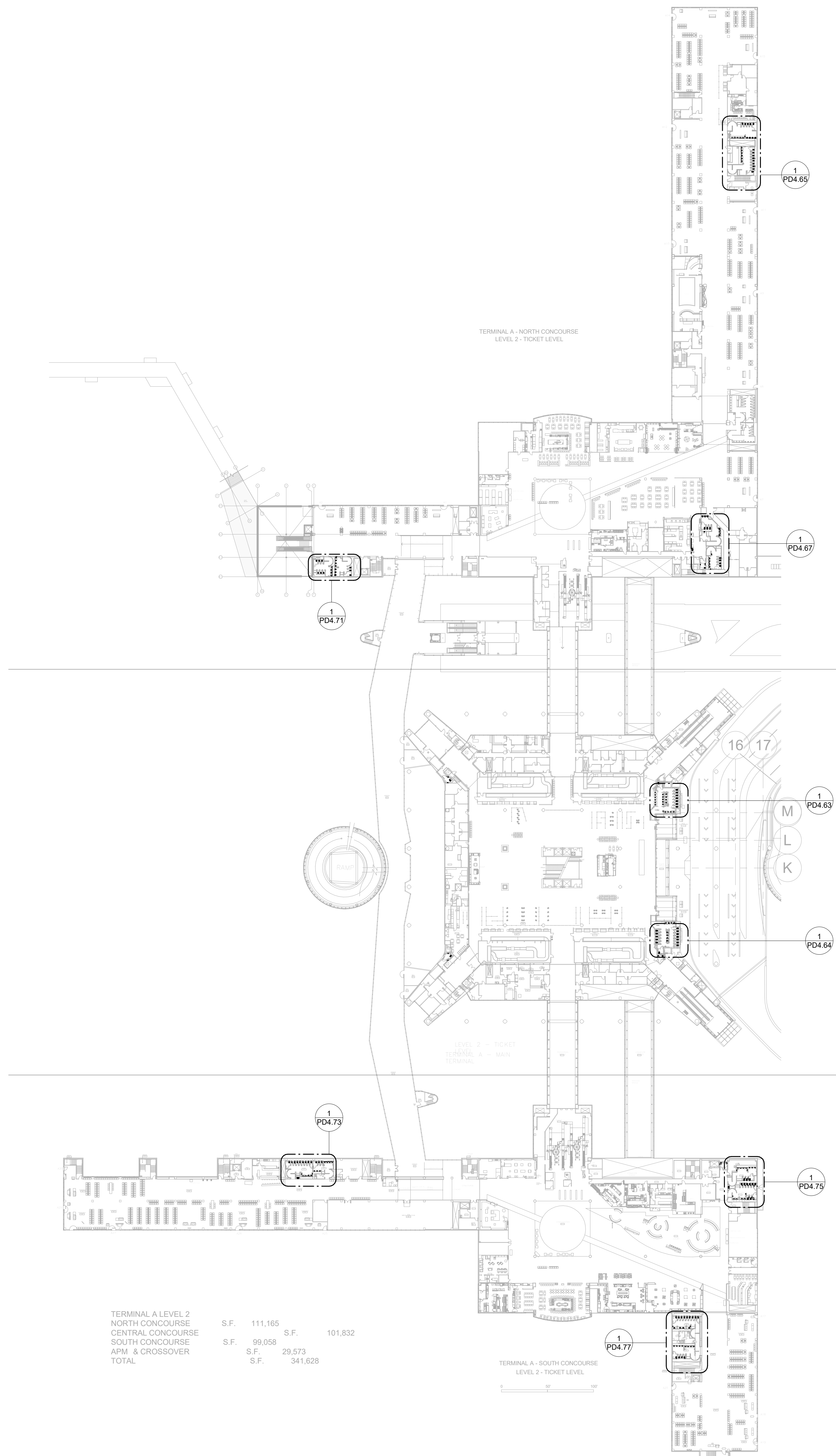
Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING



SHEET NAME:  
**PLUMBING DEMO OVERALL PLAN - LEVEL 2**

SHEET No. PD1.12 SCALE: 1" = 60'-0"

SHEET SIZE: 30"x42" ARCH E1



TERMINAL A LEVEL 2	S.F.	111,165	S.F.	101,832
NORTH CONCOURSE	S.F.	99,058	S.F.	29,573
CENTRAL CONCOURSE	S.F.	341,628		
SOUTH CONCOURSE				
APM & CROSSOVER				
TOTAL				

**1 PLUMBING DEMO OVERALL PLAN - LEVEL 2**  
1" = 60'-0"

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PLOT DATE:  
DOA DWG FILE:  
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### IAH TERMINAL A - RESTROOMS REFRESH

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DESIGNER PROJECT No.:

PROJECT STATUS: **IFB**

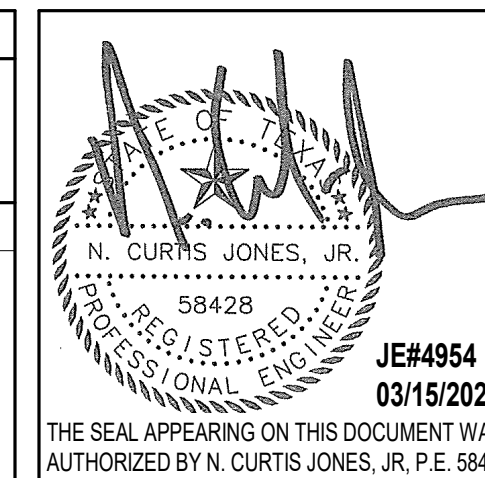
#### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 05/02/23  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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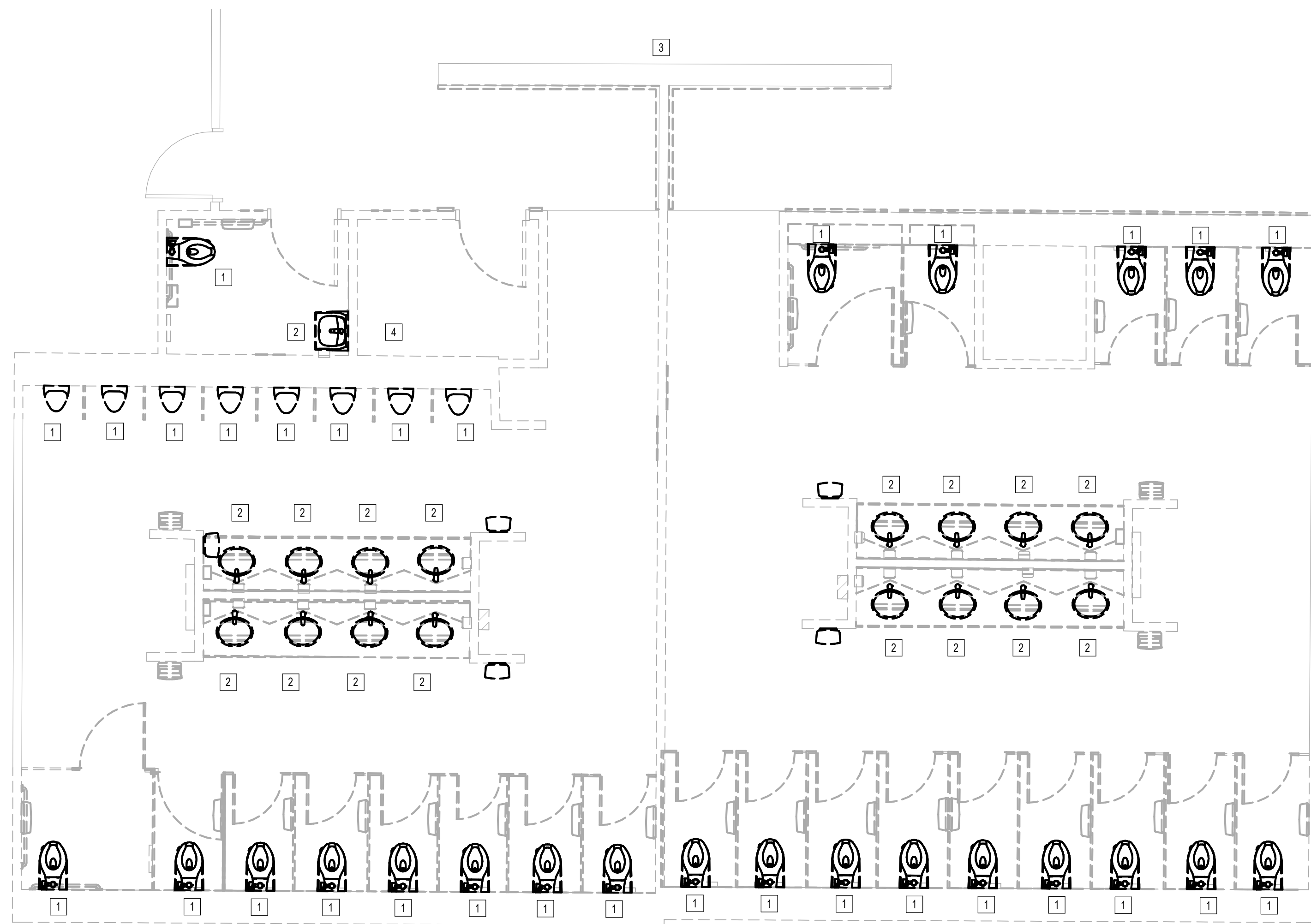
Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING



SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 1 &  
2  
SHEET No. PD4.61 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	DISCONNECT AND REMOVE EXISTING WATER CLOSET/URNAL AND FLUSH VALVE. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
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1 PLUMBING DEMO ENLARGED PLAN - RR 1 & 2  
1/4" = 1'-0"

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt HAS FILE:





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PROJECT STATUS:

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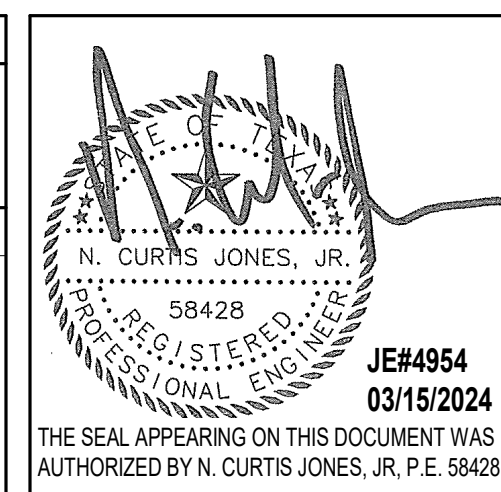
No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
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 ISSUE DATE: 05/02/23  
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 APPROVAL DATE: 03.15.24

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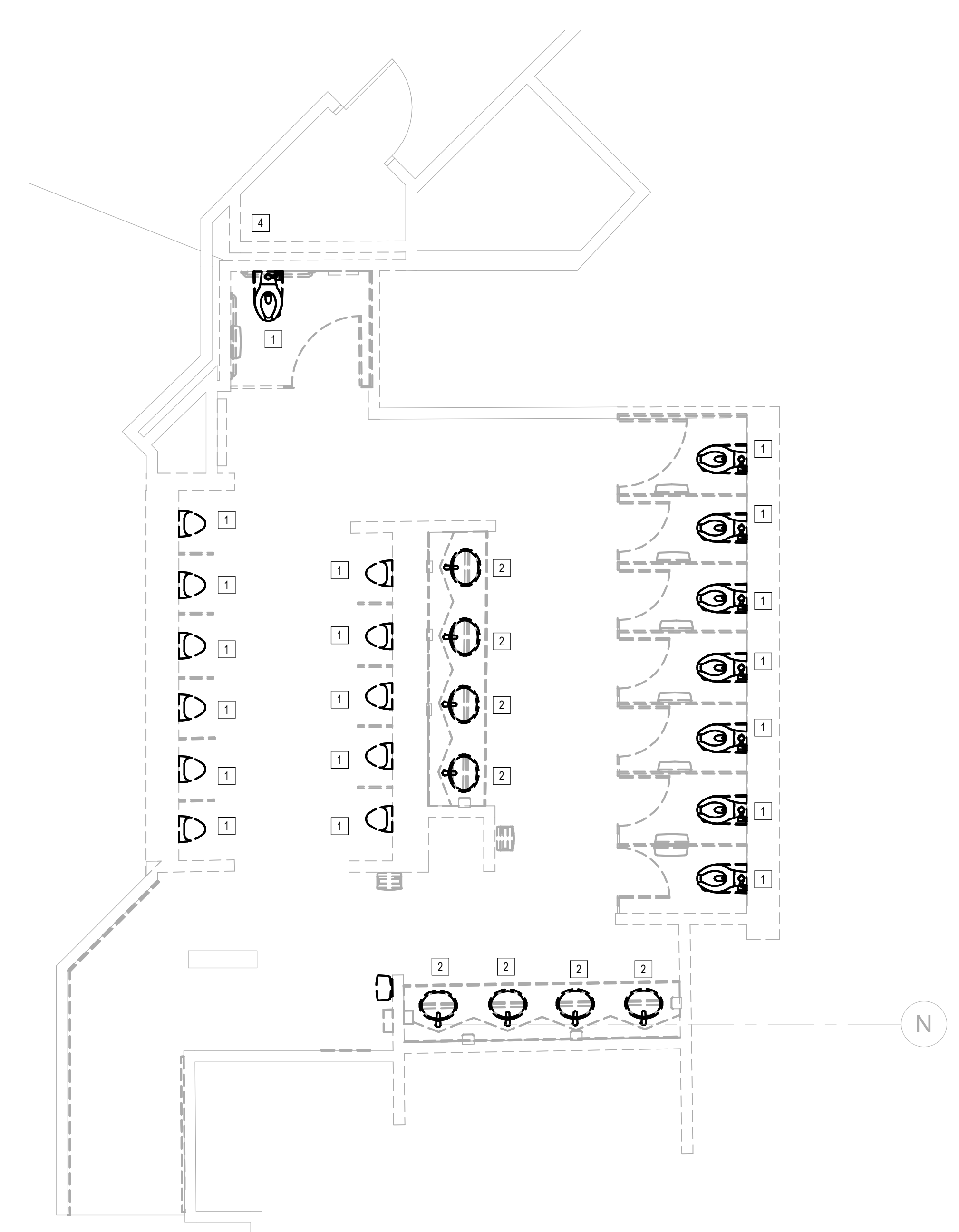


SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 3

SHEET No. PD4.63 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	DISCONNECT AND REMOVE EXISTING WATER CLOSET URINAL AND FLUSH VALVE. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
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1 PLUMBING DEMO ENLARGED PLAN - RR 3  
1/4" = 1'-0"

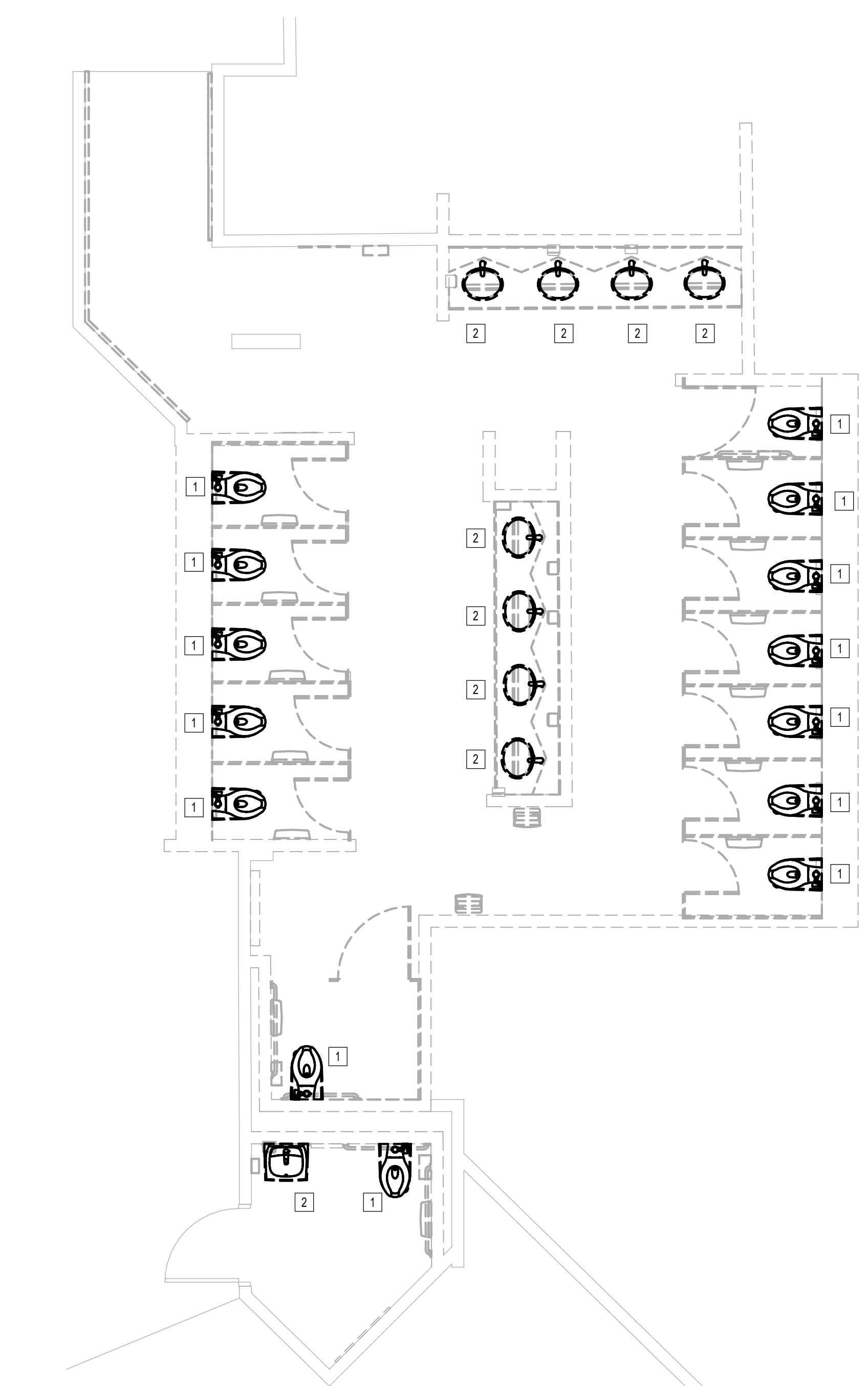
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



**1** PLUMBING DEMO ENLARGED PLAN - RR 4  
1/4" = 1'-0"

PLAN KEYED NOTES	
#	NOTE
1	DISCONNECT AND REMOVE EXISTING WATER CLOSET/URNAL AND FLUSH VALVE. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

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No.	DESCRIPTION	DATE BY

DESIGN BY: JE  
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ISSUE DATE: 05/02/23  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 4

SHEET No. PD4.64 SCALE: 1/4" = 1'-0"

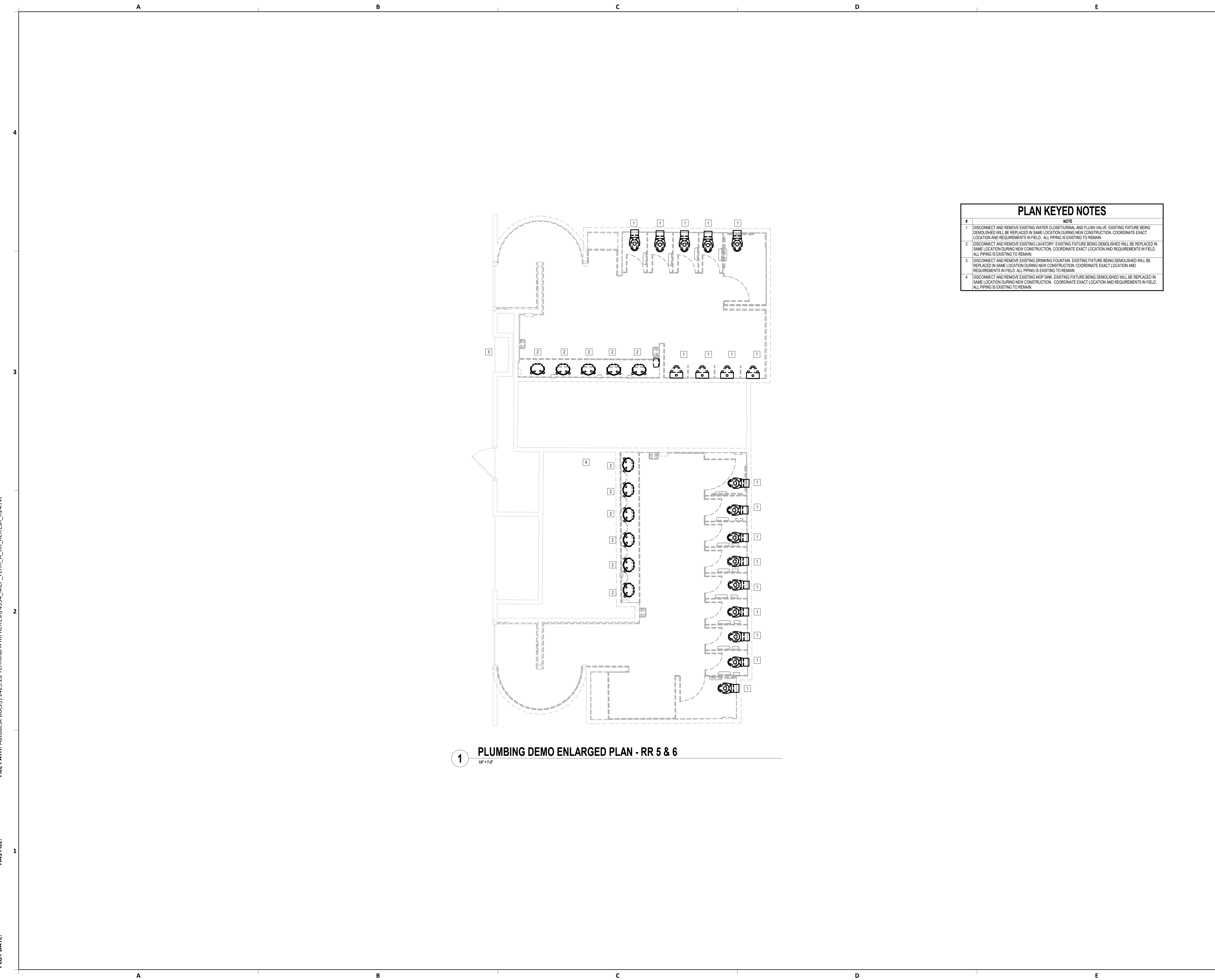
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 PLUMBING DEMO ENLARGED PLAN - RR 5 & 6  
 1/4" = 1'-0"

PLAN KEYED NOTES	
#	NOTE
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 PROJECT STATUS: **IFB**

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 ISSUE DATE: 05/02/23  
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<p>Review/Approval Category  <b>IFB</b>          ISSUED FOR BIDDING</p>	
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SHEET NAME:  
 PLUMBING DEMO ENLARGED PLAN - RR 5 & 6

SHEET No. PD4.65 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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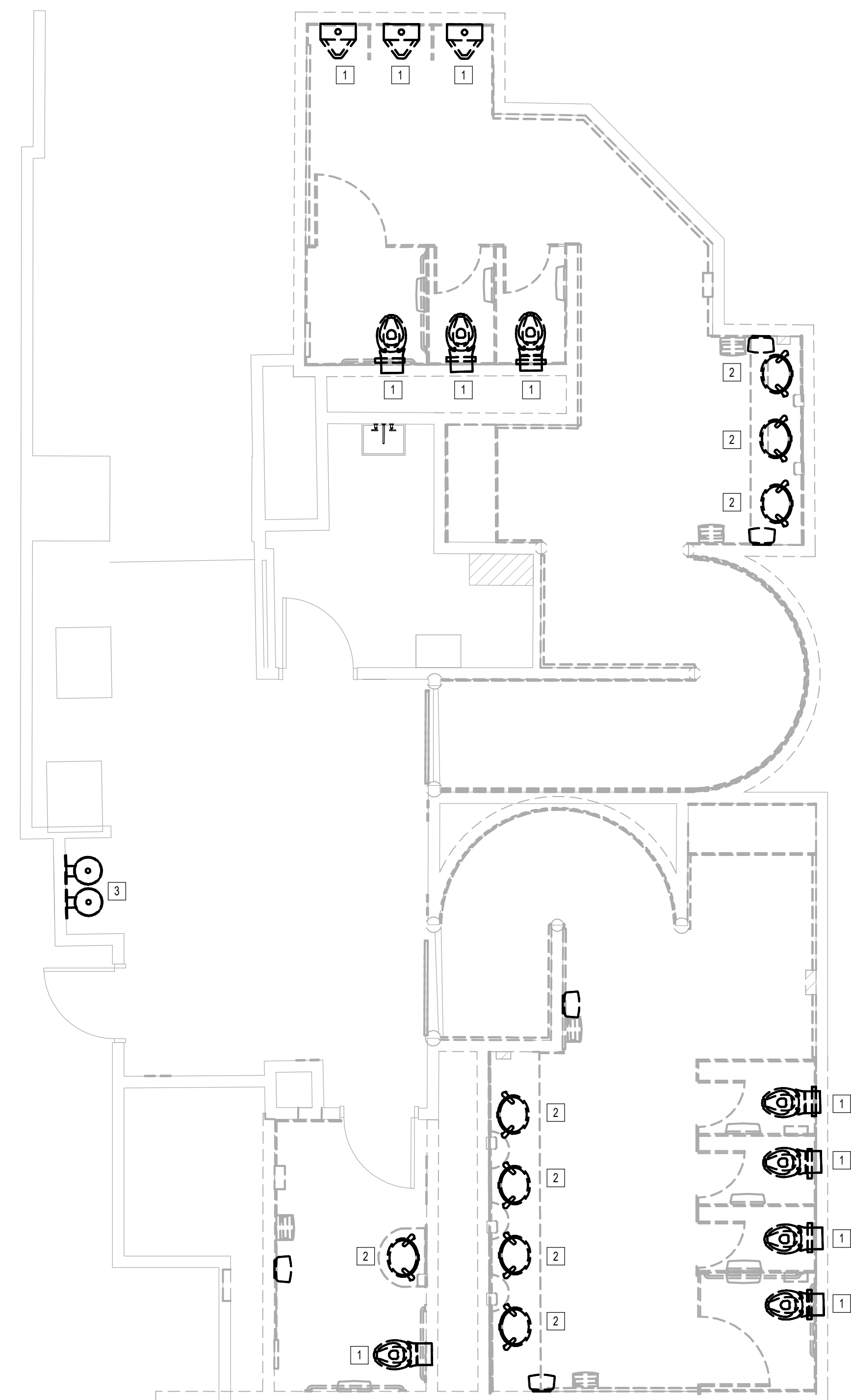
<p>Review/Approval Category</p> <p><b>IFB</b></p> <p>ISSUED FOR BIDDING</p>	<p>JE#4954 03/15/2024 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428</p>
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SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 9 &  
10

SHEET No. PD4.67 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLAN KEYED NOTES	
#	NOTE
1	DISCONNECT AND REMOVE EXISTING WATER CLOSET/URNAL AND FLUSH VALVE. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
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**1** PLUMBING DEMO ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
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REFRESH**

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

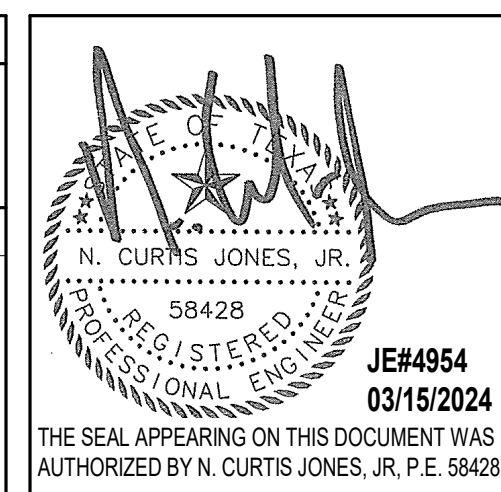
**REVISIONS**

No.	DESCRIPTION	DATE	BY

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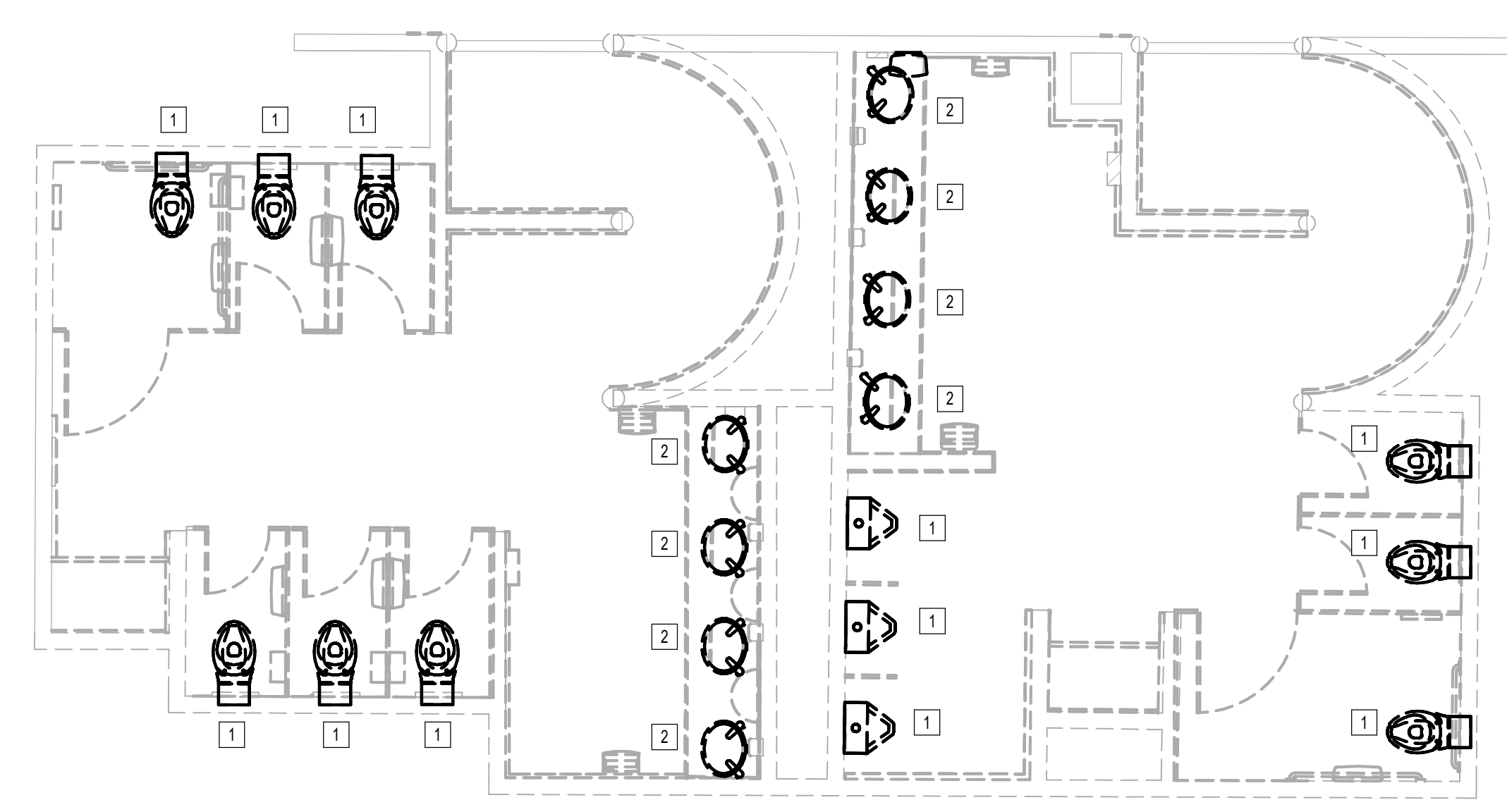
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SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 11 &  
12  
SHEET No. PD4.71 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1 PLUMBING DEMO ENLARGED PLAN - RR 11 & 12**  
1/4" = 1'-0"

PLAN KEYED NOTES	
#	NOTE
1	DISCONNECT AND REMOVE EXISTING WATER CLOSET/JURNAL AND FLUSH VALVE. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
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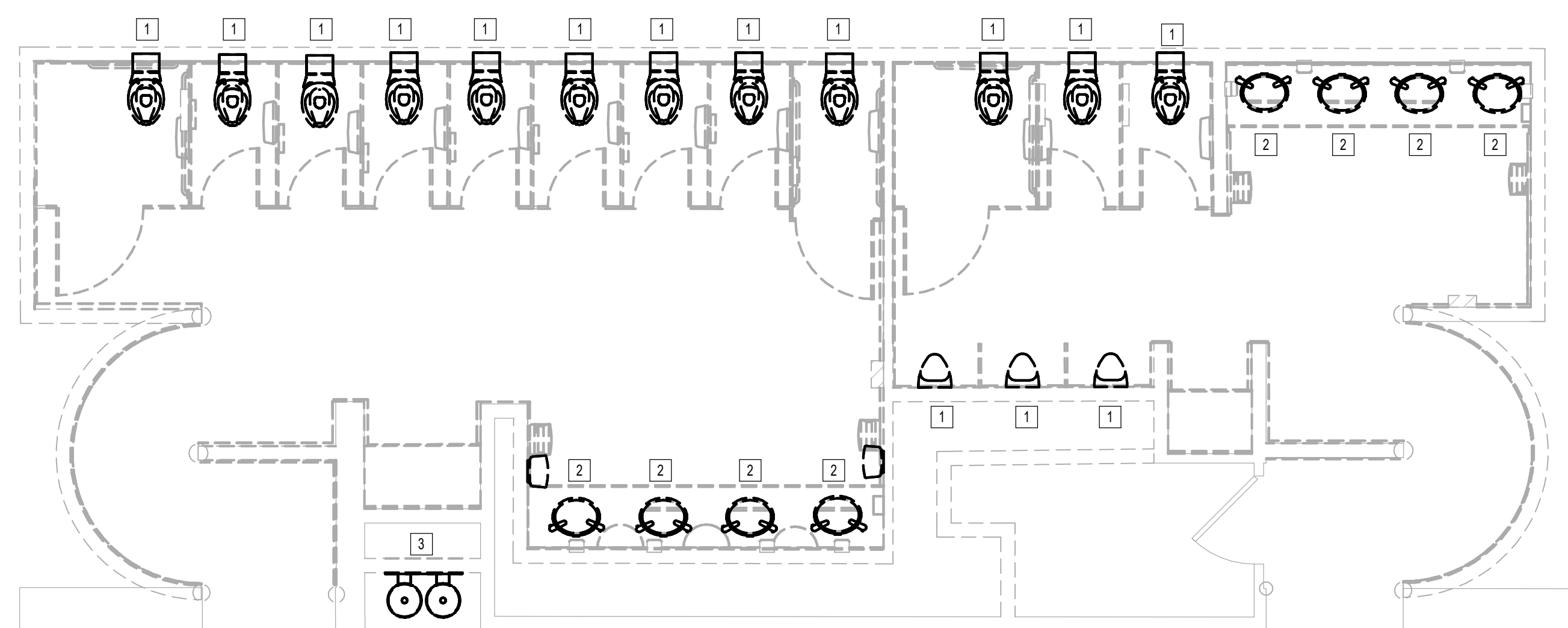
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**PLAN KEYED NOTES**

#	NOTE
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**1 PLUMBING DEMO ENLARGED PLAN - RR 13 & 14**  
1/4" = 1'-0"

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

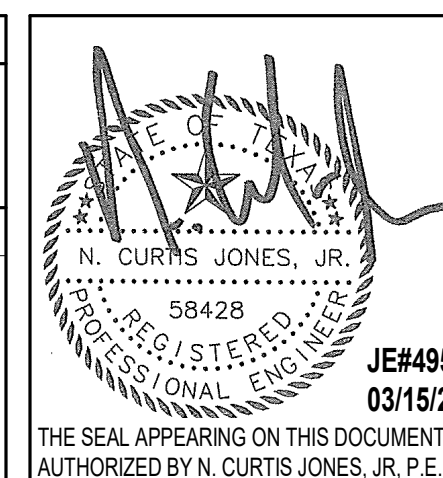
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No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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ISSUE DATE: 05/02/23  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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**IFB**  
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SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 13 & 14  
SHEET No. PD4.73 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
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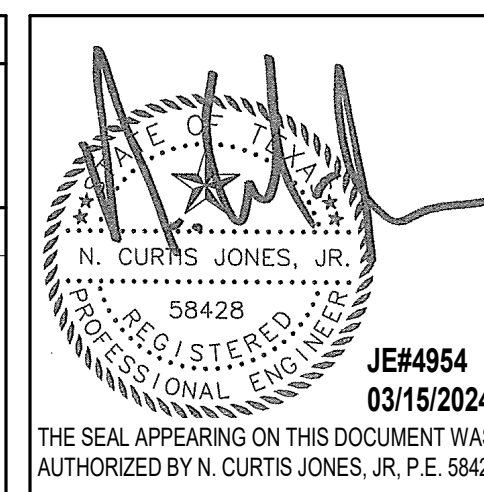
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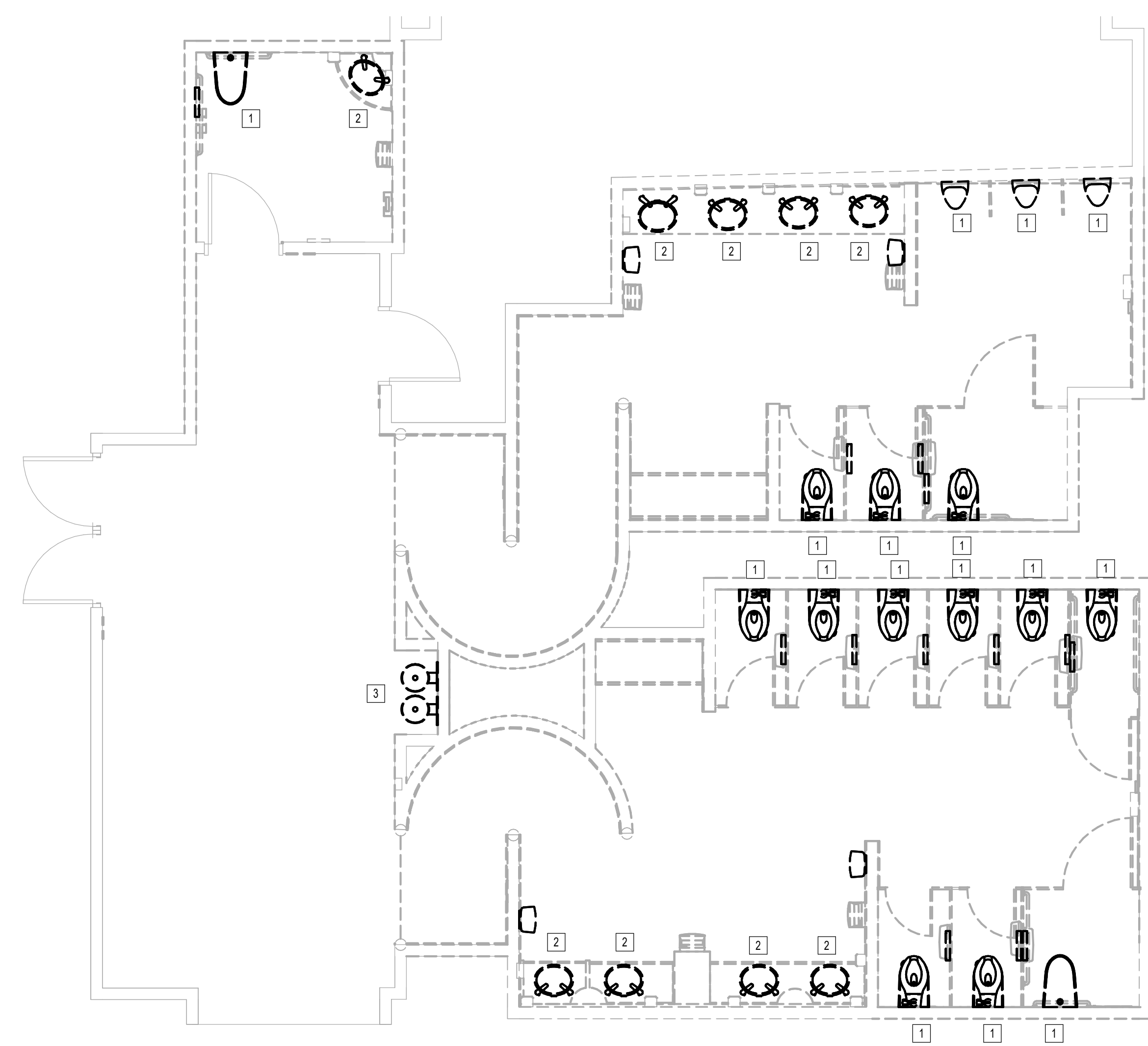
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SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 15 &  
16  
SHEET No. PD4.75 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



1 PLUMBING DEMO ENLARGED PLAN - RR 15 & 16  
1/4" = 1'-0"

#	NOTE
1	DISCONNECT AND REMOVE EXISTING WATER CLOSET/URINAL AND FLUSH VALVE. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
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PLOT DATE:  
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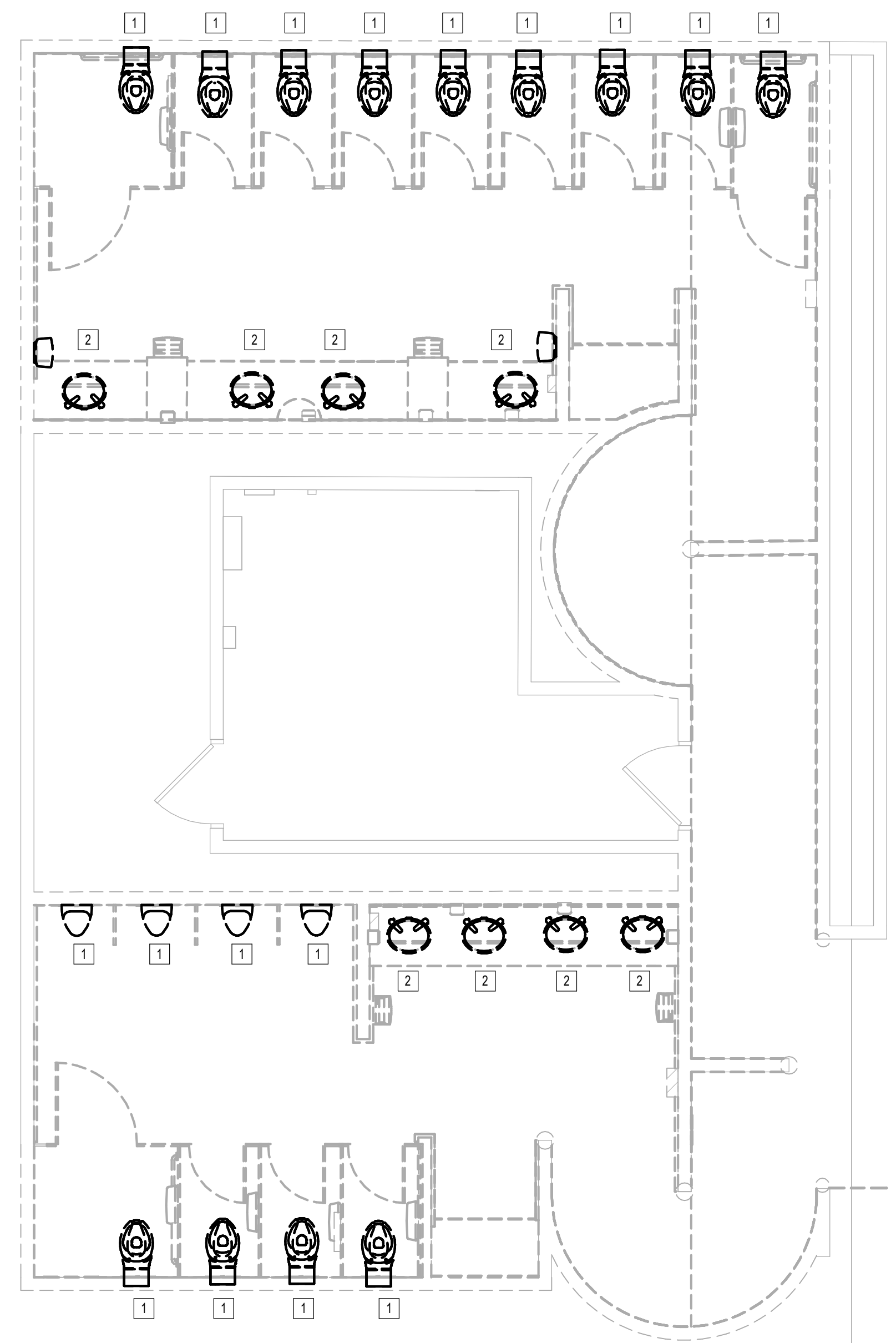
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<p>Reviewed/Approval Category</p> <p><b>IFB</b></p> <p>ISSUED FOR BIDDING</p>	<p>JE#4954 03/15/2024 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428</p>
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SHEET NAME:  
PLUMBING DEMO ENLARGED PLAN - RR 17 &  
18  
SHEET No. PD4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



#	NOTE
1	DISCONNECT AND REMOVE EXISTING WATER CLOSET/URNAL AND FLUSH VALVE. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
2	DISCONNECT AND REMOVE EXISTING LAVATORY. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
3	DISCONNECT AND REMOVE EXISTING DRINKING FOUNTAIN. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.
4	DISCONNECT AND REMOVE EXISTING MOP SINK. EXISTING FIXTURE BEING DEMOLISHED WILL BE REPLACED IN SAME LOCATION DURING NEW CONSTRUCTION. COORDINATE EXACT LOCATION AND REQUIREMENTS IN FIELD. ALL PIPING IS EXISTING TO REMAIN.

1 PLUMBING DEMO ENLARGED PLAN - RR 17 & 18  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:





2800 N Terminal Rd  
Houston, Texas 77032

**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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

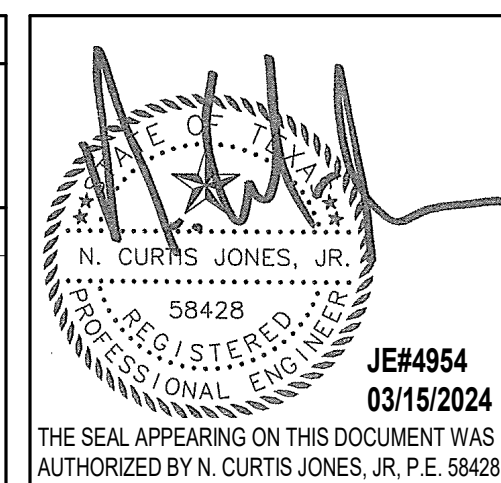
**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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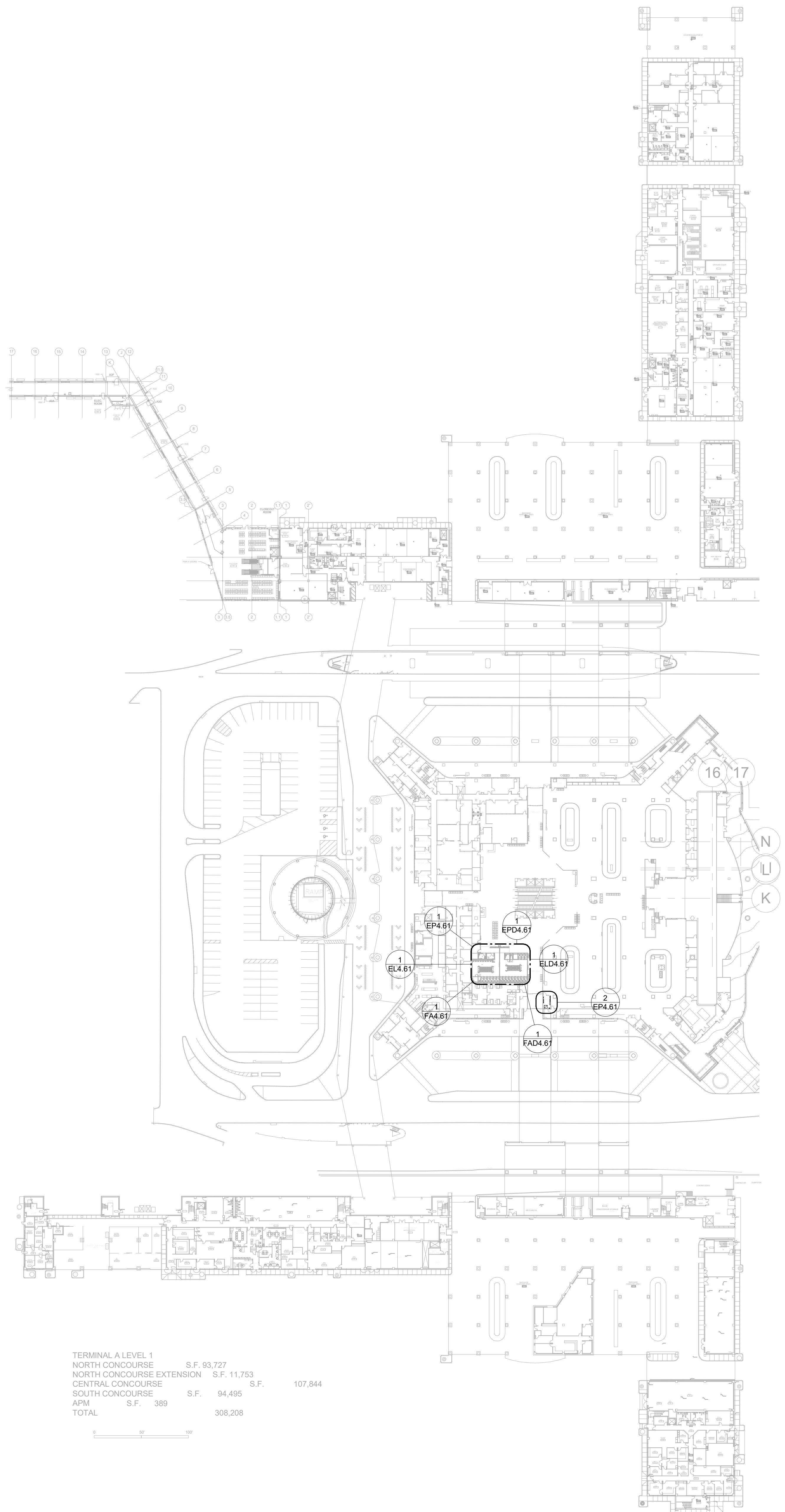
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**IFB**  
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SHEET NAME: ELECTRICAL OVERALL PLAN - LEVEL 1

SHEET No. E1.11 SCALE: 1" = 60'-0"

SHEET SIZE: 30"x42" ARCH E1



TERMINAL A LEVEL 1	S.F.	93,727
NORTH CONCOURSE	S.F.	11,753
NORTH CONCOURSE EXTENSION	S.F.	107,844
CENTRAL CONCOURSE	S.F.	94,495
SOUTH CONCOURSE	S.F.	389
APM	S.F.	308,208
TOTAL		

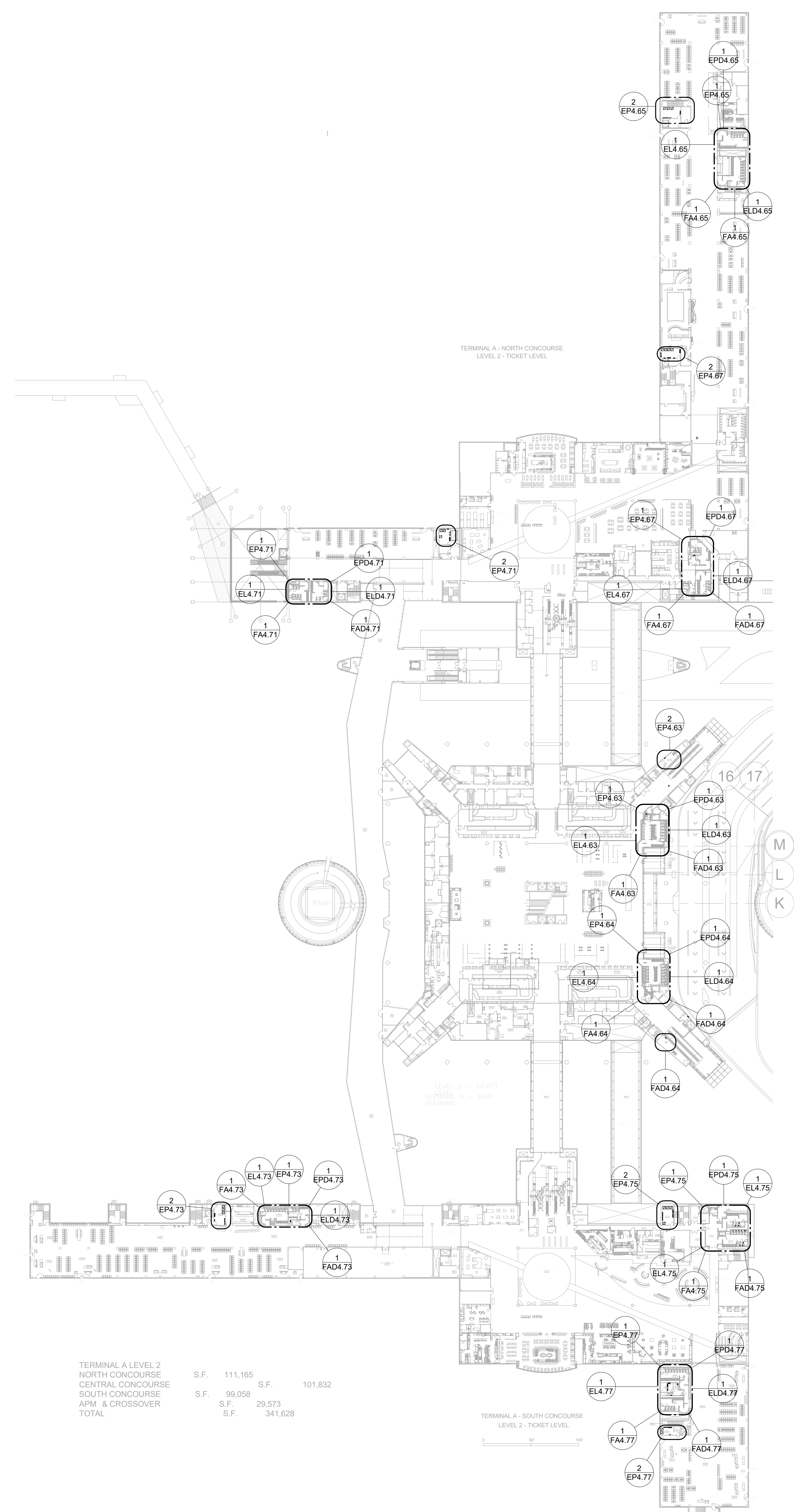
**1 ELECTRICAL OVERALL PLAN - LEVEL 1**  
1" = 60'-0"

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:  
PLOT DATE:  
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:



TERMINAL A LEVEL 2	S.F.	111,165	S.F.	101,832
NORTH CONCOURSE	S.F.	99,058	S.F.	29,573
CENTRAL CONCOURSE	S.F.	29,573	S.F.	341,628
SOUTH CONCOURSE	S.F.		S.F.	
APM & CROSSOVER	S.F.		S.F.	
TOTAL	S.F.		S.F.	

**1** ELECTRICAL OVERALL PLAN - LEVEL 2  
1" = 60'-0"



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JE#4954  
03/15/2024  
N. CURTIS JONES, JR.

SHEET NAME:  
ELECTRICAL OVERALL PLAN - LEVEL 2

SHEET No. E1.12 SCALE: 1" = 60'-0"

SHEET SIZE: 30"x42" ARCH E1

A B C D E

**SYMBOL LEGEND**

**SWITCHES**

- \$ SWITCH, SPST, 20A, 120/277V
- \$3 SWITCH, 20A, 120/277V, "3" DENOTES THREE-WAY, "4" DENOTES FOUR-WAY
- D DIMMER CONTROL SWITCH, 1000 WATT UNLESS OTHERWISE NOTED
- \$M SWITCH, MOTION SENSOR, NOVITAS #01-133
- \$OC WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER. PROVIDE ENOUGH SENSORS (CEILING OR WALL MOUNTED) FOR FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSORS). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%). EXACT ON SW-P1019.
- HS HASH MARKS INDICATE NUMBER OF CONDUCTORS PHASE/NEUTRAL/SWITCH LEG/GROUND FROM LEFT TO RIGHT. NO HASH MARKS INDICATES 2H2, 1H2G, UNLESS OTHERWISE NOTED.
- UNDERGROUND CONDUIT

**RECEPTACLES AND OUTLETS**

- DUPLX WALL RECEPTACLE, NEMA 5-15R, 15A, 125V OR NEMA 5-20R, 20A, 125V, RE: SPECIFICATIONS, DOT INDICATES ABOVE COUNTER.
- WP DUPLX WALL RECEPTACLE, "WP" DENOTES WEATHERPROOF, "TP" DENOTES SAFETY TYPE, "GFI" DENOTES GROUND FAULT PROTECTION, DOT INDICATES ABOVE COUNTER.
- FOURPLX WALL RECEPTACLE, NEMA 5-15R, 15A, 125V, DOT INDICATES ABOVE COUNTER.
- SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED, DOT INDICATES ABOVE COUNTER.
- FLOOR OUTLET
- JUNCTION BOX
- DIRECT CONNECTION TO EQUIPMENT
- TELEPHONE WALL OUTLET, PROVIDE 2"x4" OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING.
- DATA WALL OUTLET, PROVIDE 2"x4" OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING.
- COMBINATION RECEPTACLE/TELEPHONE/DATA FLOOR OUTLET
- GFI GROUND FAULT INTERRUPTERS

**ELECTRICAL EQUIPMENT**

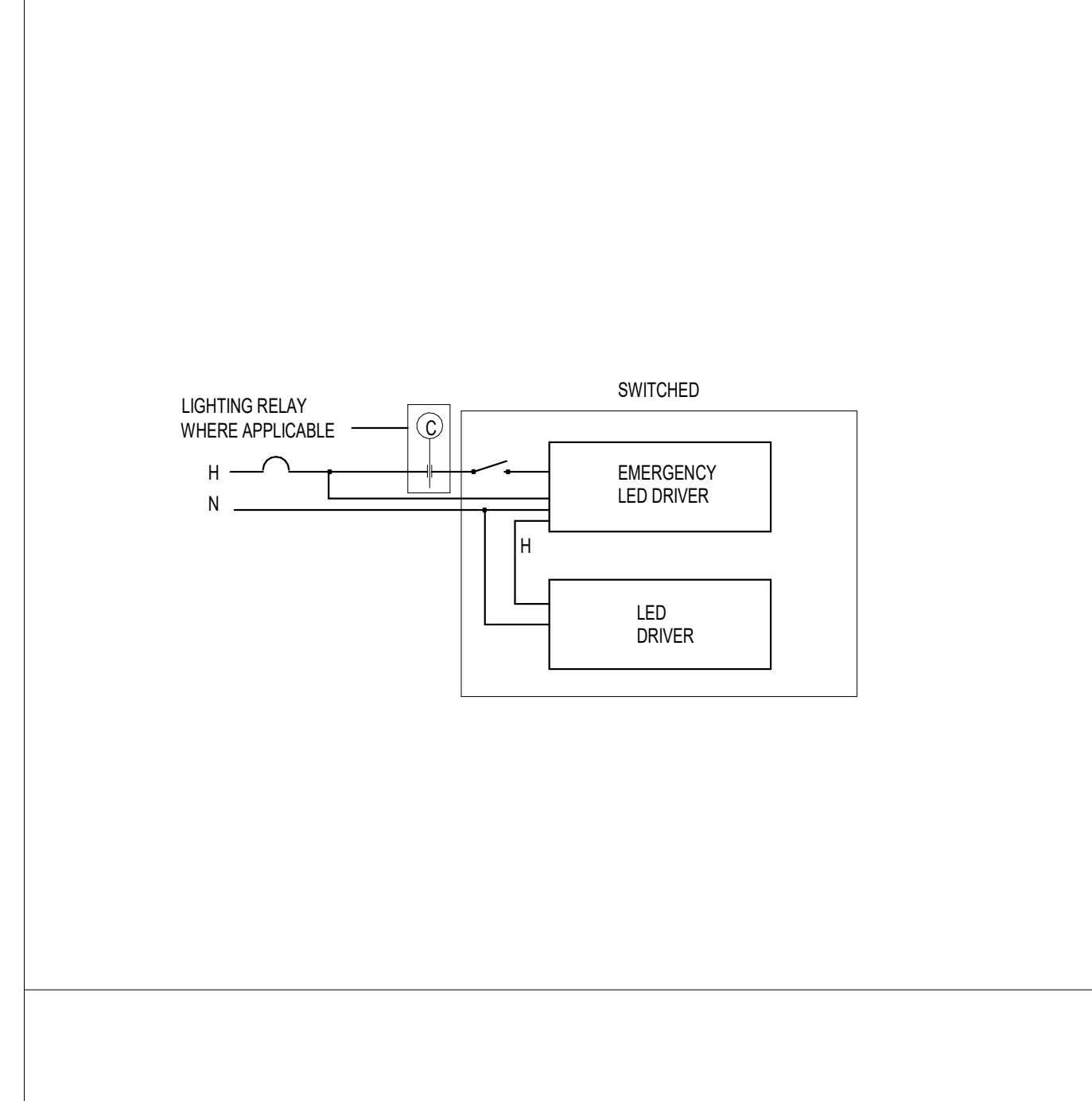
- DISTRIBUTION PANEL
- PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4" X 8" X 3/4", UNLESS NOTED OTHERWISE
- TRANSFORMER

**MOTORS AND CONTROLS**

- SINGLE OR THREE PHASE MOTOR
- DISCONNECT (SAFETY) SWITCH "2003/15" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED
- MOTOR STARTER
- COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER "2003/15NF" DENOTES AMPERES/POLES/FUSE STARTER SIZE, "NF" DENOTES NON-FUSED
- MANUAL MOTOR STARTING WITH THERMAL OVERLOAD

**FIRE ALARM**

- FACP FIRE ALARM CONTROL PANEL, (FLUSH/SURFACE)
- CEILING SPEAKER/STROBE (##) IS CANDELA RATING
- WALL SPEAKER/STROBE
- CEILING STROBE (##) IS CANDELA RATING
- WALL STROBE
- SPEAKER
- MANUAL PULL STATION
- AREA SMOKE DETECTOR, "H" HEAT DETECTOR, "DD" DUCT DETECTOR
- SPRINKLER FLOW SWITCH
- VALVE SUPERVISORY SWITCH



3 TYPICAL EMERGENCY LED DRIVER WIRING  
12" x 14"

**LIGHT FIXTURE SCHEDULE**

Mark	Description	Mounting	Watts	Type	Volts	Remarks
A1	LITHONIA #BLT2 30LHE XX MVOLT G210 LP840	RECESSED	24.4	LED	MVOLT	
A1E	LITHONIA #BLT2 30LHE XX MVOLT G210 LP840 EL14L	RECESSED	24.4	LED	MVOLT	WITH 90 MINUTE BATTERY BACKUP
A2	LITHONIA #2BLT4 30LHE XX MVOLT G210 LP840	RECESSED	23.2	LED	MVOLT	
A2E	LITHONIA #2BLT4 30LHE XX MVOLT G210 LP840 EL14L	RECESSED	23.2	LED	MVOLT	WITH 90 MINUTE BATTERY BACKUP
C1	GO THAM #EV08R 4030X-X-WD-LD-MVOLT-G210	RECESSED	29.5	LED	MVOLT	
C1E	GO THAM #EV08R 4030X-X-WD-LD-MVOLT-G210-EL	RECESSED	29.5	LED	MVOLT	WITH 90 MINUTE BATTERY BACKUP, INTEGRAL TEST SWITCH.
C2	GO THAM #EV08R 4030X-X-WD-LD-MVOLT-G210	RECESSED	9.8	LED	MVOLT	
L1	MARK #SL4L-XXFT-RL-XX-90CR-40K-800LM-MIN10-277-ZT	RECESSED	144	LED	MVOLT	COORDINATE THE LENGTH OF THE FIXTURE TO ILLUMINATE THE FULL LENGTH OF THE COVER.
L2	LITHONIA #CLX LED L48 8000LM SEF RDL WD MVOLT G210 40K 80CRI	PEND/SURF	37.9	LED	MVOLT	

**GENERAL ELECTRICAL NOTES:**

- THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND WERE MADE FROM THE BEST INFORMATION AVAILABLE. CONFIRM ALL LOCATIONS AND DIMENSIONS IN THE FIELD. VISIT THE SITE PRIOR TO BID. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CONDITIONS AS THEY EXIST AND NO ADDITIONAL COSTS WILL BE ALLOWED FOR READILY OBSERVABLE CONDITIONS.
- GUARANTEE LABOR AND MATERIALS FOR 1 YEAR.
- ALL NEW OR ADDITIONAL POWER DISTRIBUTION EQUIPMENT SHALL BE THE SAME MANUFACTURER AS THE ORIGINAL BUILDING EQUIPMENT AND SHALL BE PROVIDED WITH BLACK PHENOLIC NAMEPLATES WITH WHITE LETTERS (MIN. 5/16" HT.). PANELBOARDS SHALL BE EMBOSSED OR ENGRAVED METAL NAMEPLATE TO INDICATE VOLTAGE, PHASE, BUSSING, AND SHORT CIRCUIT BRACING. SUPPLY NEW, ACCURATE PANEL DIRECTIONS 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".
- REUSED ELECTRICAL EQUIPMENT, WIRING DEVICES, WIRING DEVICE COVER, PLATED, CONDUIT AND WIRE WHICH ARE DAMAGED SHALL BE RESTORED TO ORIGINAL INTEGRITY. ALL MATERIALS USED FOR REPAIRS SHALL MEET ORIGINAL SPECIFICATIONS. ABANDONED ELECTRICAL DATA OR COMMUNICATIONS ELEMENTS SHALL BE REMOVED BACK TO ORIGINAL SOURCE AND RETURNED TO LANDLORD. REFER TO DATA AND TELEPHONE CONTRACTOR FOR COORDINATION.
- ANY ELECTRICAL WORK AFFECTING THE LIGHTING ON THE ADA MUST BE COORDINATED WITH IAH ELECTRICAL DEPARTMENT.
- FOR ALL TELEPHONE/DATA OUTLETS, PROVIDE AN OPENING, PLASTER RING, AND DEVICE PLATE AT NORMAL RECEPTACLE HEIGHT UNLESS OTHERWISE INDICATED AND A PULL STRING 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 RF ROOM AND/OR TO ABOVE CABLE TRAY WITH BUSHING.
- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL CIRCUIT DESIGNATIONS AND SHALL MAKE CORRECTIONS AS NEEDED.
- ALL FIRE ALARM SYSTEM DEVICES AND EXIT SIGNAGE SHALL BE INTERFACED WITH BUILDING FIRE ALARM SYSTEM. ALL NEW DEVICES SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. FIRE ALARM SYSTEM CONTRACTOR SHALL VERIFY LOCATION AND QUANTITY OF FIRE ALARM SYSTEM INITIATING, AUTOMATIC INITIATING AND AUDIBLE DEVICES AS REQUIRED BY EXISTING BUILDING SYSTEM. PROVIDE ADDITIONAL FIRE ALARM SIGNALING DEVICES AS REQUIRED TO 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 ALARM RELATED WORK INCLUDING FIRE ALARM SYSTEM SHUTDOWNS, MUST BE COORDINATED WITH OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH HAS CONSTRUCTION REQUIREMENTS. WORK THAT INTERFERES WITH EXISTING TENANT OR BUILDING ACTIVITIES MAY REQUIRE SPECIAL TIME. THE ELECTRICAL CONTRACTOR SHALL COORDINATE SPECIAL TIME WITH BUILDING MANAGEMENT AND INCLUDE THESE COSTS IN HIS BID PROPOSAL.
- ELECTRICAL WORK MUST COMPLY WITH NEC-2020, CITY ELECTRIC CODE, AND 2023 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.
- ALL LOCATIONS OF DEVICES ARE APPROXIMATE. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
- SEAL NEW OR EXISTING PENETRATIONS IN FLOORS, RATED PARTITIONS, AND CORRIDOR WALLS.
- SECURE ALL PERMITS AND PROVIDE ANY REQUIRED TEMPORARY UTILITIES.
- ALL WORK AND SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER SUCH THAT THE WORK IS PERFORMED AT THE OWNERS CONVENIENCE. THIS MAY BE DURING EVENINGS AND WEEKENDS.
- CONTRACTOR TO PROVIDE "AS-BUILT" DRAWINGS INDICATING THE CONFIGURATION OF THE CONSTRUCTED WORK.
- REPAIR ANY DAMAGE THAT OCCURS TO ANY ELECTRICAL EQUIPMENT DURING DEMOLITION.
- SUBMIT INFORMATION ON ALL NEW EQUIPMENT IN THE FORM OF SHOP DRAWINGS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR THE CORRECT PROCEDURE.
- PROVIDE 3 COPIES OF THE OPERATION AND MAINTENANCE MANUALS TO THE OWNER. PROVIDE INSTRUCTION ON THE SYSTEM OPERATION TO THE OWNER.
- AS PER 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.
- WIRING - ALL WIRING SHALL BE COPPER, MINIMUM SIZE #12 AWG, THIN, RATED AT 800 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 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).
- BOXES - ALL BOXES TO BE GALVANIZED STEEL, SUITABLE FOR LOCATION AND SIZED PER THE N.E.C. AND SUPPORTED SEPARATELY FROM CONDUIT.
- DEVICES - SWITCHES - SINGLE POLE, 3-WAY AND 4-WAY SWITCHES TO BE 20 AMP, 120/240 OR 277/480 VOLT AS APPLICABLE. MOUNT SWITCHES AS SHOWN ON PLAN. SWITCHES AND DEVICE PLATES SHALL BE WHITE IN COLOR, UNLESS NOTED OTHERWISE. HUBBELL #11211 OR EQUAL RECEPTACLES - COMMERCIAL GRADE 20 AMP, 120V, NEMA 5-20R, HUBBELL 5620 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 11211 OR EQUAL FLOOR BOX WITH BRASS CARPET FLANGE SHALL BE HUBBELL 6236 OR EQUAL.
- 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 18" BETWEEN SUPPORTS. DO NOT SUPPORT FROM DUCTWORK OR PIPING. ROUTE CONDUIT AS DIRECTLY AS POSSIBLE WITH LARGE RADIUS BENDS AND INSTALLED PER N.E.C. PROVIDE U.L. LISTED EXPANSION FITTINGS IF CONDUIT CROSSES EXPANSION OR DEFLECTION JOINT. CLEAN CONDUIT INTERIOR AFTER INSTALLATION. COAT SCRATCHES WITH ZINC PAINT. PROVIDE PULL WIRE FOR ALL EMPTY CONDUIT CONDUIT UNDER SLAB SHALL BE SCHEDULE 40 PVC. ALL CONDUIT SHALL BE CONCEALED IN THE SLAB AREAS. ANY CONDUIT PASSING THROUGH THE FLOOR SHALL BE RIGID GALVANIZED STEEL CONDUIT. ALL FLOOR PENETRATIONS SHALL BE INSPECTED FOR FIRE CALKING BY BSG ELECTRICAL INSPECTORS BEFORE COVERING.
- 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. 12 AWG OR NO. 14 AWG MAY BE USED FOR FIXTURE WHIPS FOR INDIVIDUAL FIXTURES WHEN USING INDIVIDUAL FUSE PROTECTION FOR EACH FIXTURE.
  - C. ALUMINUM WIRE SHALL BE USED ONLY FOR OVERHEAD SPANS FROM POLE TO POLE, POLE TO BUILDING, OR BUILDING TO BUILDING APPLICATIONS.
    - 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 SHAVED 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/BSG 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 208Y/120V, 3Ø, 4W	240Y/120V, 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	
- ALL WORK IN WALLS, CEILING AND UNDERGROUND CONDUITS SHALL BE INSPECTED BEFORE COVERING.
- ALL CAD WELDS TO BE INSPECTED BY ELECTRICAL INSPECTOR BEFORE COVERING. ALL CAD WELDS UNDERGROUND TO BE SEALED WITH A COLD TAR (BIT MASTIC 50) OR EQUIVALENT AFTER INSPECTION.
- TRANSFORMERS TO BE INSTALLED IN ACCORDANCE WITH HAS DESIGN STANDARDS.
- 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 6 FEET.
- ALL ELECTRICAL WORK MUST PASS INSPECTION PRIOR TO BACKFILL, CONCRETE PLACEMENT, INSULATION OR COVER (WALL OR CEILING).



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SHEET NAME: ELECTRICAL DETAILS	
SHEET No. E5.01	SCALE: 12" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

A B C D E

Existing Panel		Service: 120/208 Volts, 3 phase, 4 Wire, Solid/Neutral									
LGSA		Mains: 225A MCB					Surface Mounted				
Load	Serving	Wire	Breaker	Circuit	Circuit	Breaker	Wire	Serving	Load		
Existing Load	--	2P-20	1	A		2	1P-20	--	Existing Loads		
Existing Load	--	3P-20	3	B		4	1P-20	--	Existing Loads		
Existing Load	--	1P-20	5	C		6	1P-20	--	Existing Loads		
Existing Load	--	1P-20	7	A		8	1P-20	--	Existing Loads		
Existing Load	--	1P-20	9	B		10	1P-20	--	Existing Loads		
Existing Load	--	1P-20	11	C		12	1P-20	--	Existing Loads		
Existing Load	--	1P-20	13	A		14	1P-20	--	Existing Loads		
Existing Load	--	1P-20	15	B		16	1P-20	--	Existing Loads		
Existing Load	--	1P-20	17	C		18	1P-20	--	Existing Loads		
Existing Load	--	1P-20	19	A		20	1P-20	--	Existing Loads		
Existing Load	--	1P-20	21	B		22	1P-20	--	Existing Loads		
Existing Load	--	1P-20	23	C		24	1P-20	--	Existing Loads		
Existing Load	--	1P-20	25	A		26	1P-20	--	Existing Loads		
Existing Load	--	1P-20	27	B		28	1P-20	--	Existing Loads		
Existing Load	--	1P-20	29	C		30	1P-20	--	Existing Loads		
Existing Load	--	1P-20	31	A		32	1P-20	--	Existing Loads		
Existing Load	--	1P-20	33	B		34	1P-20	--	Existing Loads		
Existing Load	--	1P-20	35	C		36	1P-20	--	Existing Loads		
Existing Load	--	1P-20	37	A		38	1P-20	--	Existing Loads		
Existing Load	--	1P-20	39	B		40	1P-20	--	Existing Loads		
Existing Load	--	1P-20	41	C		42	1P-20	--	Existing Loads		

Load Summary (Including Sub Panels)			
	Con KW	Factor	Dem KW
Lighting	0.0	1.25	0.0
Rec10K@100%, rest @50%	0.0	1.00	0.0
Rec 50%	0.0	0.50	0.0
Equip	0.0	1.00	0.0
HVAC	0.0	1.00	0.0
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>0.0</b>		<b>0.00</b>
<b>Amps</b>	<b>0.0</b>		<b>0.0</b>

4 - HAND DRYERS REMOVED (1 2K EACH)	-4.8KVA
NEW PAPER TOWEL DISPENSORS	2.8KVA
<b>TOTAL</b>	<b>-2.0KVA</b>
REMOVED LOAD FROM PANEL	

Existing Panel		Service: 120/208 Volts, 3 phase, 4 Wire, Solid/Neutral									
L2NP1		Mains: 100A With 100A MCB					Surface Mounted				
Load	Serving	Wire	Breaker	Circuit	Circuit	Breaker	Wire	Serving	Load		
Existing Load	--	1P-20	1	A		2	1P-20	--	Existing Load		
Existing Load	--	1P-20	3	B		4	1P-20	--	Existing Load		
Existing Load	--	1P-20	5	C		6	1P-20	--	Existing Load		
Existing Load	--	1P-20	7	A		8	1P-20	--	Existing Load		
Existing Load	--	1P-20	9	B		10	1P-20	--	Existing Load		
Existing Load	--	1P-20	11	C		12	1P-20	--	Existing Load		
Existing Load	--	1P-20	13	A		14	1P-20	--	Existing Load		
Existing Load	--	1P-20	15	B		16	1P-20	--	Existing Load		
Existing Load	--	1P-20	17	C		18	1P-20	--	Existing Load		
Existing Load	--	1P-20	19	A		20	1P-20	--	Existing Load		
Space	--	--	21	B		22	--	--	Space		
Space	--	--	23	C		24	--	--	Space		
Space	--	--	25	A		26	--	--	Space		
Space	--	--	27	B		28	--	--	Space		
Space	--	--	29	C		30	--	--	Space		
Space	--	--	31	A		32	1P-20	--	Space		
Space	--	--	33	B		34	1P-20	--	Space		
Space	--	--	35	C		36	1P-20	--	Space		
Space	--	--	37	A		38	1P-20	--	Space		
Space	--	--	39	B		40	1P-20	--	Space		
Space	--	--	41	C		42	1P-20	--	Space		

Load Summary (Including Sub Panels)			
	Con KW	Factor	Dem KW
Lighting	0.0	1.25	0.0
Rec10K@100%, rest @50%	0.0	1.00	0.0
Rec 50%	0.0	0.50	0.0
Equip	0.0	1.00	0.0
HVAC	0.0	1.00	0.0
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>0.0</b>		<b>0.00</b>
<b>Amps</b>	<b>0.0</b>		<b>0.0</b>

2 - HAND DRYERS REMOVED (1 2K EACH)	-2.4KVA
NEW PAPER TOWEL DISPENSORS	1.0KVA
<b>TOTAL</b>	<b>-1.4KVA</b>
REMOVED LOAD FROM PANEL	

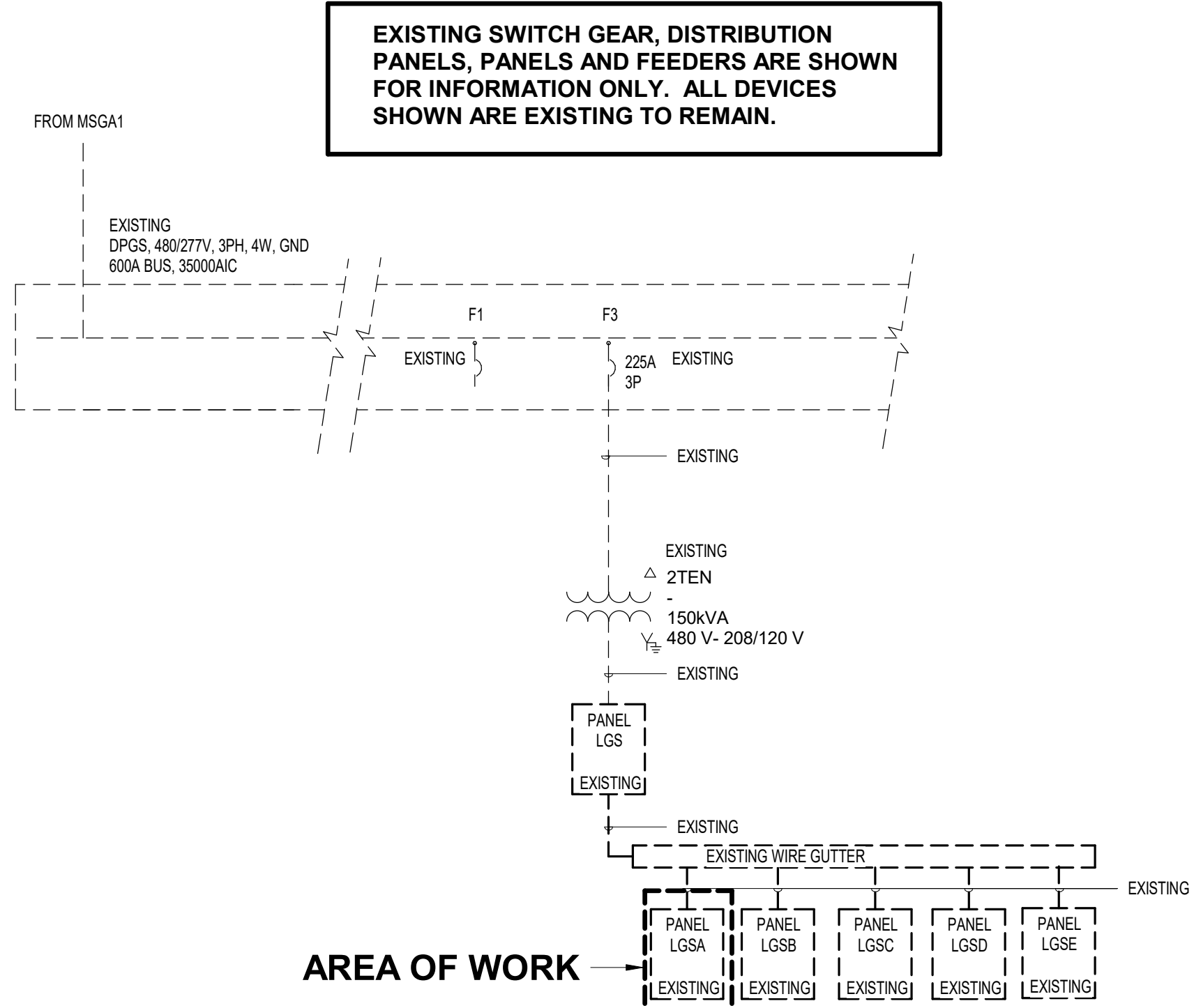
Panel		Service: 120/208 Volts, 3 phase, 4 Wire, Solid/Neutral, 10K/AIC									
L2SE (EXISTING)		Mains: 225A With 225A MCB					Recessed Mounted				
Load	Serving	Wire	Breaker	Circuit	Circuit	Breaker	Wire	Serving	Load		
Space	--	1P-20	1	A		2	1P-20	--	Existing Load		
Existing Load	--	1P-20	3	B		4	1P-20	--	Existing Load		
Existing Load	--	3P-30	5	C		6	1P-20	--	Existing Load		
Existing Load	--	7A	7	A		8	1P-20	--	Existing Load		
Existing Load	--	9	9	B		10	1P-20	--	Existing Load		
Existing Load	--	1P-20	11	C		12	1P-20	--	Existing Load		
Existing Load	--	1P-20	13	A		14	1P-20	--	Existing Load		
Space	--	1P-20	15	B		16	1P-20	--	Existing Load		
Space	--	1P-20	17	C		18	1P-20	--	Existing Load		
Space	--	1P-20	19	A		20	1P-20	--	Existing Load		
Space	--	1P-20	21	B		22	1P-20	--	Existing Load		
Space	--	1P-20	23	C		24	1P-20	--	Existing Load		
Space	--	1P-20	25	A		26	1P-20	--	Existing Load		
Space	--	1P-20	27	B		28	1P-20	--	Existing Load		
Space	--	1P-20	29	C		30	1P-20	--	Existing Load		
Space	--	1P-20	31	A		32	1P-20	--	Existing Load		
Space	--	1P-20	33	B		34	1P-20	--	Existing Load		
Space	--	1P-20	35	C		36	1P-20	--	Existing Load		
Existing Load	--	1P-20	37	A		38	1P-20	--	Existing Load		
Existing Load	--	1P-20	39	B		40	1P-20	--	Existing Load		
Existing Load	--	1P-20	41	C		42	1P-20	--	Existing Load		

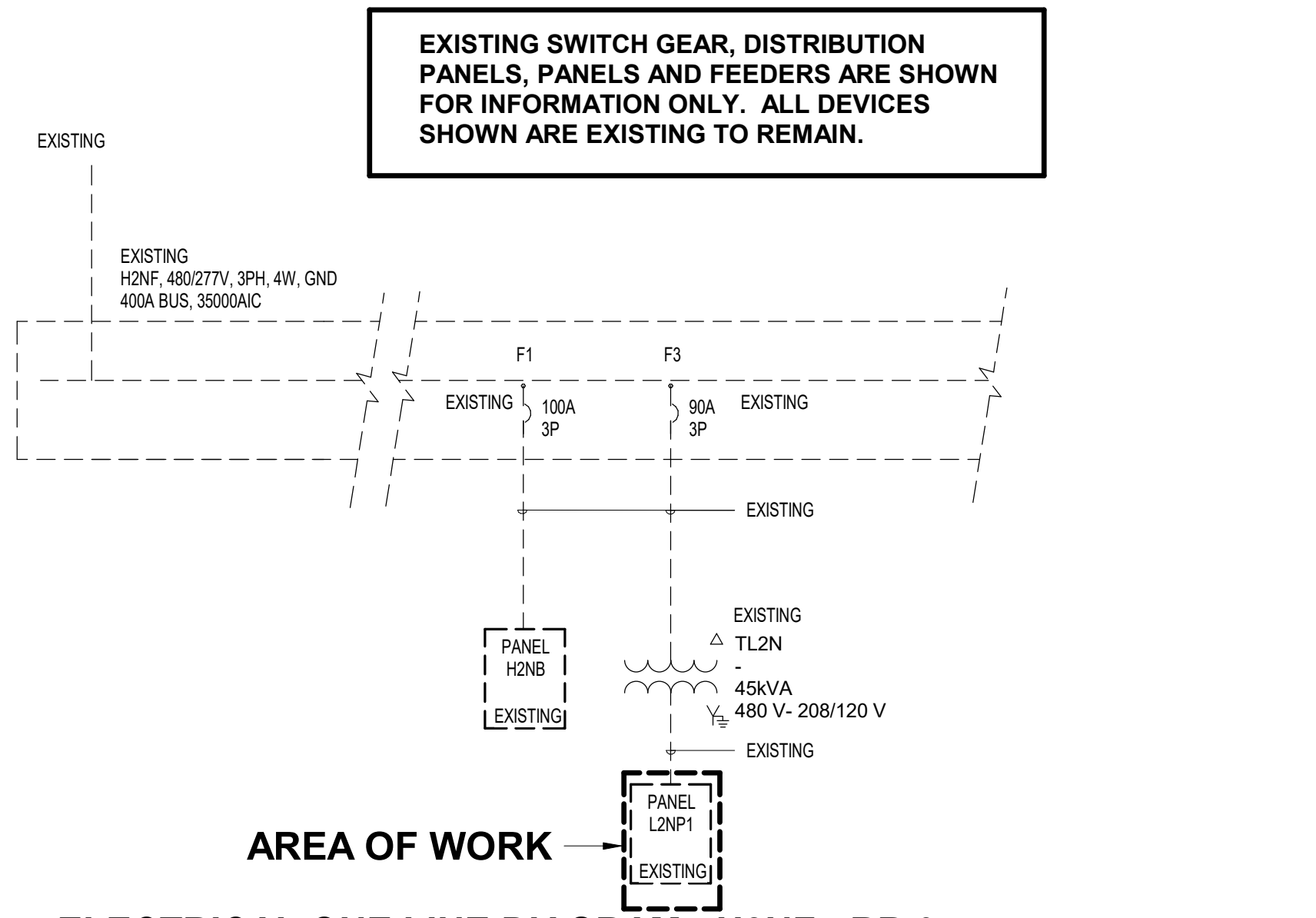
Load Summary (Including Sub Panels)			
	Con KW	Factor	Dem KW
Lighting	0.0	1.25	0.0
Site Lighting	0.0	1.00	0.0
Rec10K@100%, rest @50%	0.0	1.00	0.0
Rec 50%	0.0	0.50	0.0
Equip	0.0	1.00	0.0
HVAC	0.0	1.00	0.0
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>0.0</b>		<b>0.0</b>
<b>Amps</b>	<b>0.0</b>		<b>0.0</b>

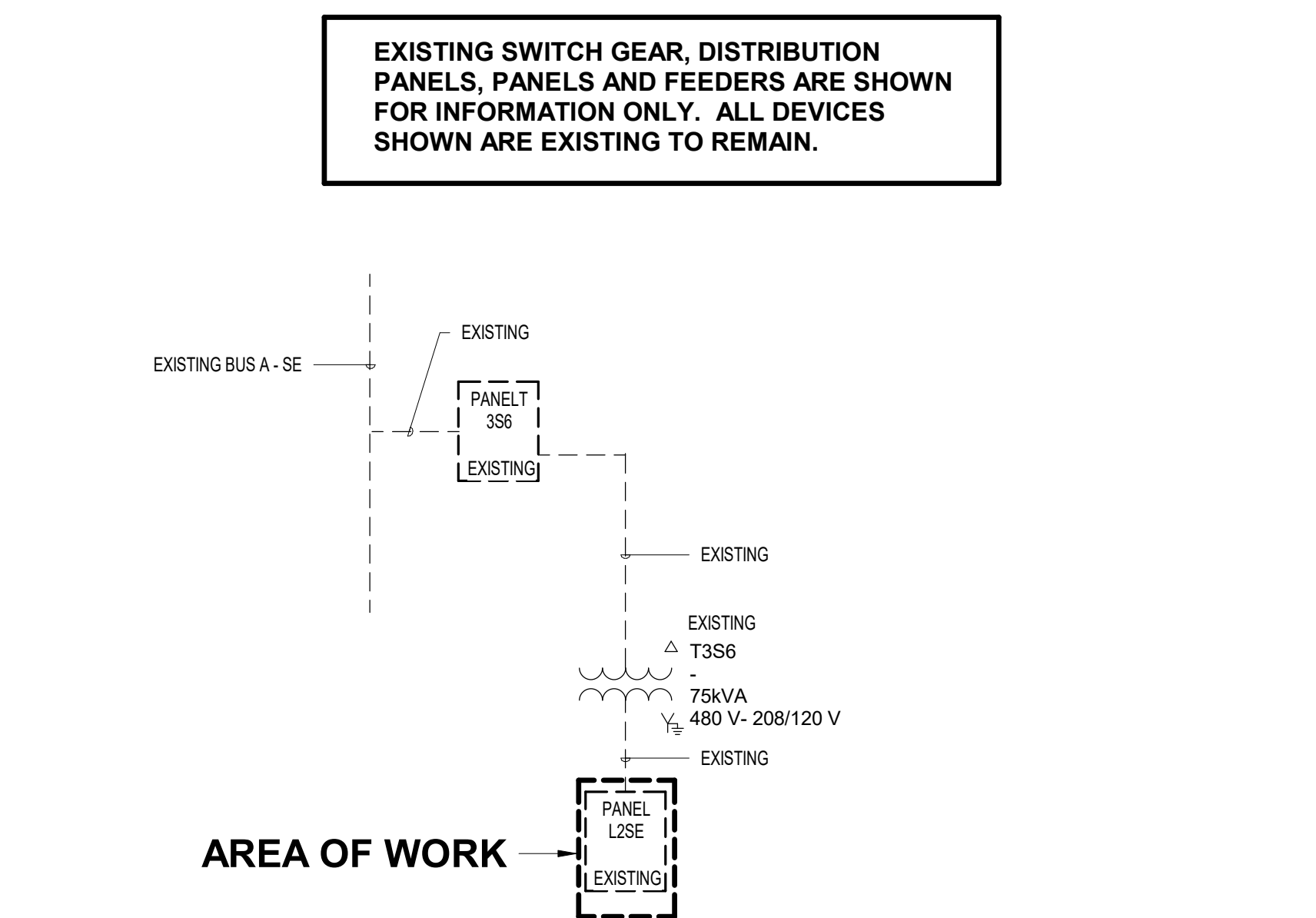
2 - HAND DRYERS REMOVED (1 2K EACH)	-2.4KVA
NEW PAPER TOWEL DISPENSORS	1.0KVA
<b>TOTAL</b>	<b>-1.4KVA</b>
REMOVED LOAD FROM PANEL	



1 ELECTRICAL ONE LINE DIAGRAM - DPGS - RR 1 & 2  
N.T.S.



2 ELECTRICAL ONE LINE DIAGRAM - H2NF - RR 3  
N.T.S.



3 ELECTRICAL ONE LINE DIAGRAM - T3S6 - RR 4  
N.T.S.



2800 N Terminal Rd  
Houston, Texas 77032

**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

**DIRECTOR**  
of  
**HOUSTON AIRPORT SYSTEM**

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

JE#4954  
03/15/2024  
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 58428

SHEET NAME:  
ELECTRICAL ONE LINES & PANEL SCHEDULES -  
RR 1, 2, 3, 4

SHEET No. E5.02 SCALE: N.T.S.

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: \\Autodesk Docs\1429.26 Terminal A RR Refresh\954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
 HAS FILE:  
 PLOT DATE:  
 PLOT DATE:  
 PLOT DATE:  
 PLOT DATE:

Existing Panel		Service: 120/208 Volts, 3 phase, 4 Wire, Solid/Neutral		Main: 225A MCB		Surface Mounted		Load	
Load	Serving	Wire	Breaker	Circuit	Wire	Serving	Load	Wire	Breaker
1400	Existing EDF	--	1P-20	1 A	--	2 1P-20	--	Existing Rec. Heat	900
500	Existing Plumbing Fixt	--	1P-20	3 B	--	4 1P-20	--	Existing Rec. Heat	900
500	Existing Lavat	--	1P-20	5 C	--	6 1P-20	--	Existing Rec. Heat	900
300	Existing Lavat	--	1P-20	7 A	--	8 1P-20	--	Spare	0
	Existing M RR Dryer	--	1P-20	9 B	--	10 1P-20	--	Existing E.F.	500
	Spare	--	1P-20	11 C	--	12 1P-20	--	Existing E.F.	500
1200	Existing Women Dryer	--	1P-20	13 A	--	14	--	Space	
1200	Existing Women Dryer	--	1P-20	15 B	--	16	--	Space	
	Spare	--	1P-20	17 C	--	18	--	Space	
	Existing Pet Relief	--	1P-20	19 A	--	20	--	Space	
	Spare	--	1P-20	21 B	--	22	--	Space	
180	Existing Pet Relief	--	1P-20	23 C	--	24	--	Space	
	Spare	--	1P-20	25 A	--	26	--	Space	
	Spare	--	1P-20	27 B	--	28	--	Space	
	Spare	--	1P-20	29 C	--	30	--	Space	
	Spare	--	1P-20	31 A	--	32	--	Space	
	Spare	--	1P-20	33 B	--	34	--	Space	
	Existing	--	1P-20	35 C	--	36	--	Space	
	Existing Emon Moking Bird	--	1P-20	37 A	--	38	--	Space	
	Existing Kiosk	--	2P-100	39 B	--	40	--	Space	
		--	1P-20	41 C	--	42	--	Space	
6240									3700

Load Summary (Including Sub Panels)			
	Con	Factor	Dem
	KW		KW
Lighting	0	1.25	0
Rect 10k@100%, rest @50%	10.0	1.00	10.0
Rec 50%	0.1	0.50	0.1
Equip	3.8	1.00	3.8
HVAC	1.0	1.00	1.0
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>14.9</b>		<b>14.87</b>
<b>Amps</b>	<b>41.5</b>		<b>41.3</b>

4 - HAND DRYERS REMOVED (1.2K EACH)	-4.8KVA
NEW PAPER TOWEL DISPENSORS	2.0KVA
TOTAL	-2.8KVA
REMOVED LOAD FROM PANEL	

Existing Panel		Service: 120/208 Volts, 3 phase, 4 Wire, Solid/Neutral		Main: 225A MCB		Surface Mounted		Load	
Load	Serving	Wire	Breaker	Circuit	Wire	Serving	Load	Wire	Breaker
1400	Existing EDF	--	1P-20	1 A	--	2 1P-20	--	Existing EDF cor 228c	1400
500	Existing Plumbing Fixt	--	1P-20	3 B	--	4 1P-20	--	Existing Plumb Fixt Rm 225	500
300	Existing Lavat	--	1P-20	5 C	--	6 1P-20	--	Existing Plumb Fixt Rm 227	500
800	Existing Elev 3	--	1P-20	7 A	--	8 1P-20	--	Existing Levat Rm 225	300
180	Existing Elev 3 Rec	--	1P-20	9 B	--	10 1P-20	--	Existing Levat Rm 227	300
500	Existing Plumb Fixt 243	--	1P-20	11 C	--	12 1P-20	--	Existing Levat Rm 243	300
800	Existing 228c	--	1P-20	13 A	--	14 1P-20	--	Existing EF-5 Roof	600
800	Existing FIDS Conc 240	--	1P-20	15 B	--	16 1P-20	--	Existing EF-5 Roof	670
400	Existing LED Sign Gate A7	--	1P-20	17 C	--	18 1P-20	--	Existing Rec ADV. Pal	360
400	Existing LED Sign Gate A8	--	1P-20	19 A	--	20 1P-20	--	Existing EF-4 Roof	1030
400	Existing LED Sign Gate A9	--	1P-20	21 B	--	22 1P-20	--	Existing VF-1 Roof	900
360	Existing REC AND. Pnl	--	1P-20	23 C	--	24 1P-20	--	Existing VF-2 Roof	900
360	Existing REC AND. Pnl	--	1P-20	25 A	--	26 1P-20	--	Existing VF-3 Roof	1030
800	Existing FIDS Conc 264	--	1P-20	27 B	--	28 1P-20	--	Existing VF-4 Roof	1030
400	Existing LED Sign Gate A10	--	1P-20	29 C	--	30 1P-20	--	Existing VF-5 Roof	1030
0	Spare	--	1P-20	31 A	--	32 1P-20	--	Existing VF-6 Roof	1030
900	Existing Rec 238	--	1P-20	33 B	--	34 1P-20	--	Existing VF-7 Roof	1030
720	Existing Rec 238	--	1P-20	35 C	--	36 1P-20	--	Existing VF-8 Roof	1030
0	Spare	--	1P-20	37 A	--	38 1P-20	--	Existing Rec Conv Catwalk	360
0	Spare	--	1P-20	39 B	--	40 1P-20	--	Existing Rec Conv Catwalk	360
5000	Existing UPS4	--	1P-60	41 C	--	42 1P-20	--	Existing Rec ADV. Sign	360
15020									15020

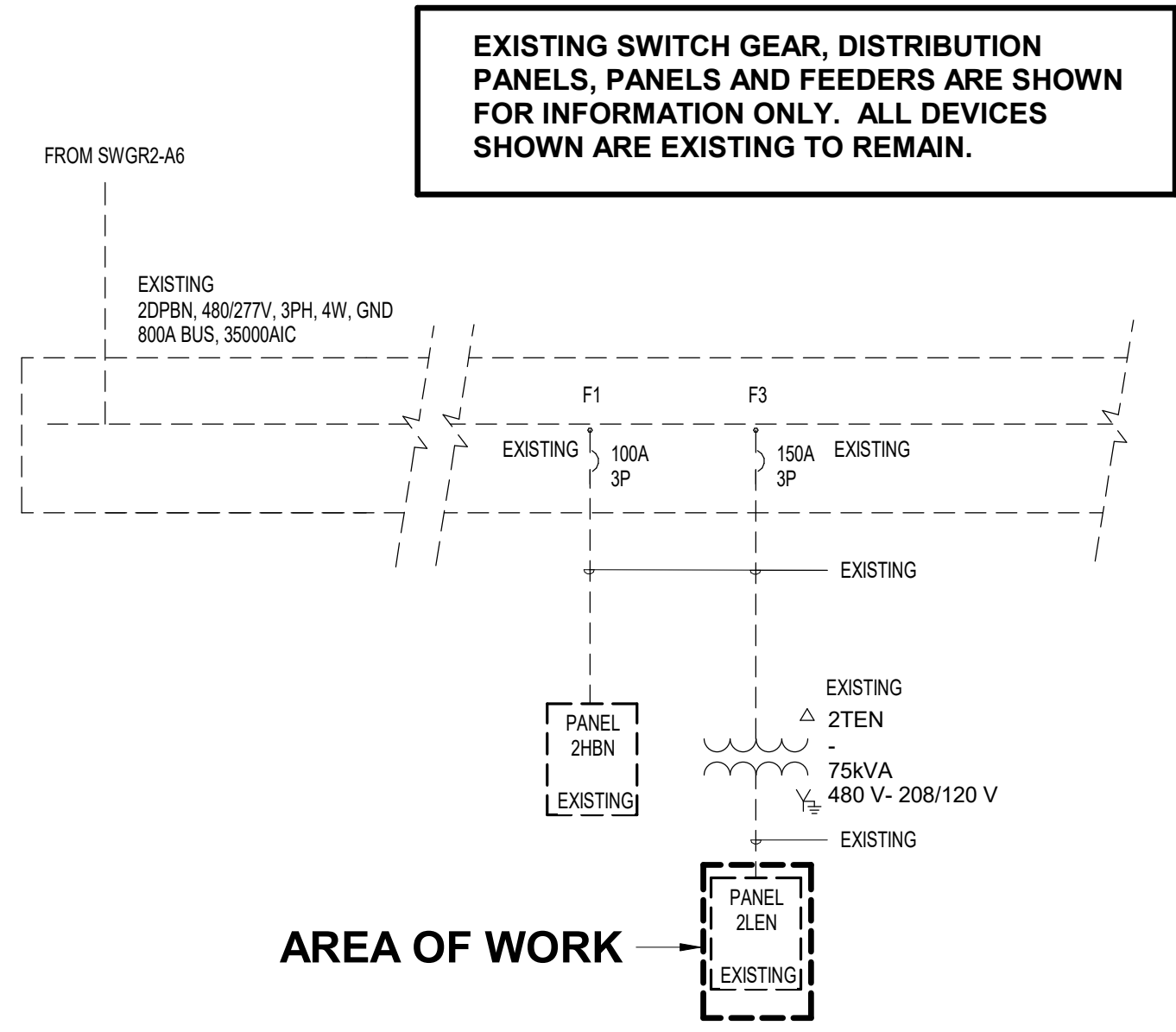
Load Summary (Including Sub Panels)			
	Con	Factor	Dem
	KW		KW
Lighting	0	1.25	0
Rect 10k@100%, rest @50%	10.0	1.00	10.0
Rec 50%	18.1	0.50	8.1
Equip	8.3	1.00	8.3
HVAC	0.6	1.00	0.6
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>35.0</b>		<b>26.99</b>
<b>Amps</b>	<b>97.3</b>		<b>74.9</b>

4 - HAND DRYERS REMOVED (1.2K EACH)	-4.8KVA
NEW PAPER TOWEL DISPENSORS	2.0KVA
TOTAL	-2.8KVA
REMOVED LOAD FROM PANEL	

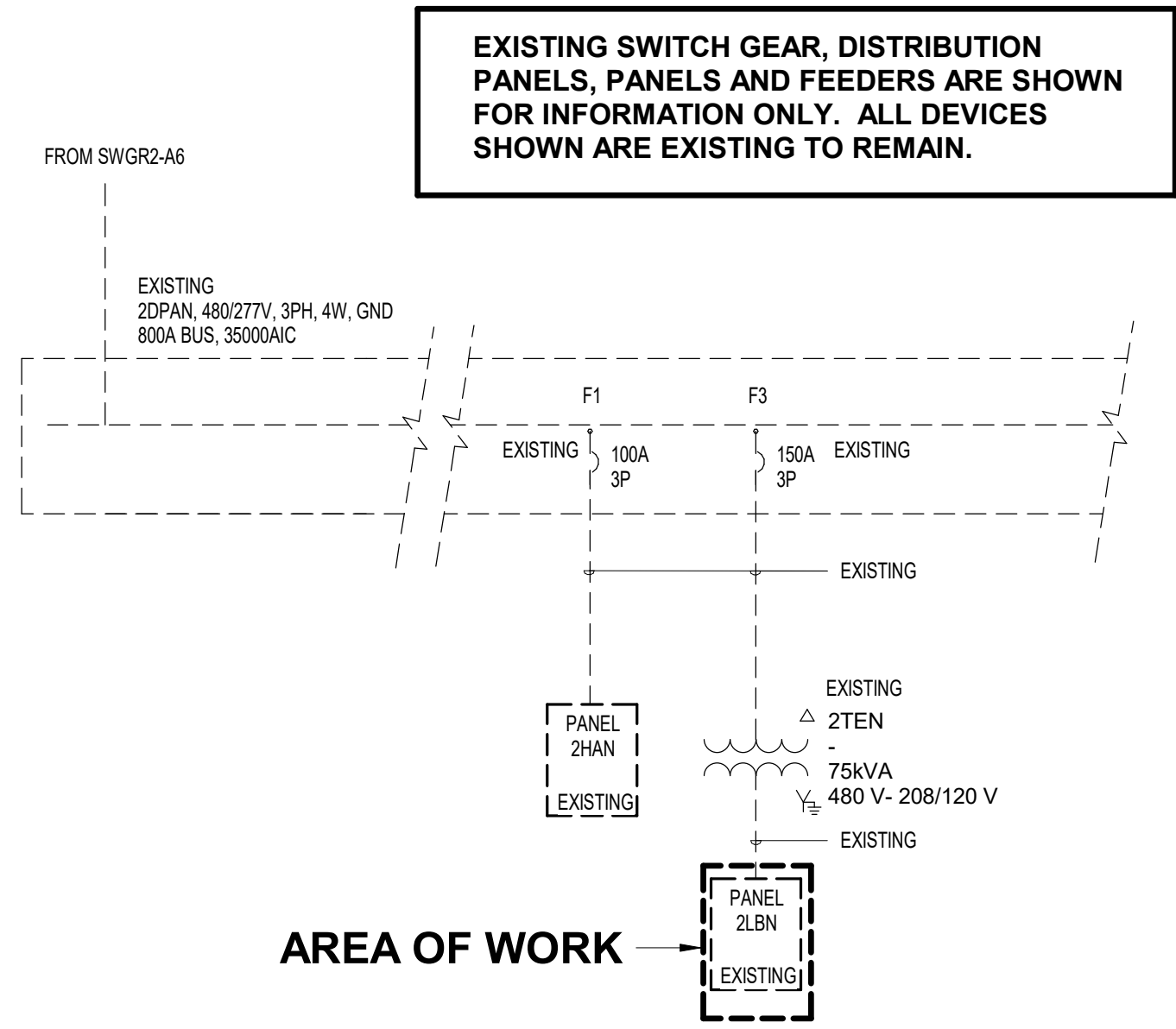
Existing Panel		Service: 120/208 Volts, 3 phase, 4 Wire, Solid/Neutral		Main: 225A MCB		Surface Mounted		Load	
Load	Serving	Wire	Breaker	Circuit	Wire	Serving	Load	Wire	Breaker
	Existing EDF	--	1P-20	1 A	--	2 1P-20	Existing Lane 2 X-Ray		
	Existing Plumbing Fixt	--	1P-20	3 B	--	4 1P-20	Existing Lane 1 X-Ray		
	Existing Plumbing Fixt	--	1P-20	5 C	--	6 1P-20	Existing RCPT Sec Checkpoint		
	Existing Lavat	--	1P-20	7 A	--	8 1P-20	Existing RCPT Sec Checkpoint		
	Existing Lavat	--	1P-20	9 B	--	10 1P-20	Existing RCPT Sec Checkpoint		
	Spare	--	1P-20	11 C	--	12 1P-20	Existing X-Ray Machine		
	Existing X-Ray PSR	--	1P-20	13 A	--	14	Existing X-Ray Machine		
	Existing	--	1P-20	15 B	--	16 2P-20	Existing X-Ray Machine		
	Existing	--	1P-20	17 C	--	18			
	Existing	--	1P-20	19 A	--	20 2P-20	Existing X-Ray Machine		
	Existing	--	1P-20	21 B	--	22			
	Existing	--	1P-20	23 C	--	24 1P-20	Existing Metal Detector		
	Existing	--	1P-20	25 A	--	26 1P-20	Existing Metal Detector		
	Existing Lane 3 X-Ray AVS	--	1P-20	27 B	--	28 1P-20	Existing Metal Detector		
	Space	--		29 C	--	30 1P-20	Existing EF-2 Roof		
	Existing Car Rental	--	2P-30	31 A	--	32 1P-20	Existing EF-1 Roof		
	Spare	--	1P-20	33 B	--	34 1P-20	Existing X-Ray Pnea Room		
	Directory Kiosk	--	1P-20	35 C	--	36 1P-20	Existing Lane 1 X-Ray AVS		
	Existing	--	1P-20	37 A	--	38 1P-20	Existing Lane 2 X-Ray		
	Existing Nursing Mother	--	1P-20	39 B	--	40 1P-20	Existing Lane 2 X-Ray		
	Existing Nursing Mother	--	1P-20	41 C	--	42 1P-20	Existing Lane 2 X-Ray TDL		
0									0

Load Summary (Including Sub Panels)			
	Con	Factor	Dem
	KW		KW
Lighting	0	1.25	0
Rect 10k@100%, rest @50%	0.0	1.00	0.0
Rec 50%	0.0	0.50	0.0
Equip	0.0	1.00	0.0
HVAC	0.0	1.00	0.0
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>0.0</b>		<b>0.00</b>
<b>Amps</b>	<b>0.0</b>		<b>0.0</b>

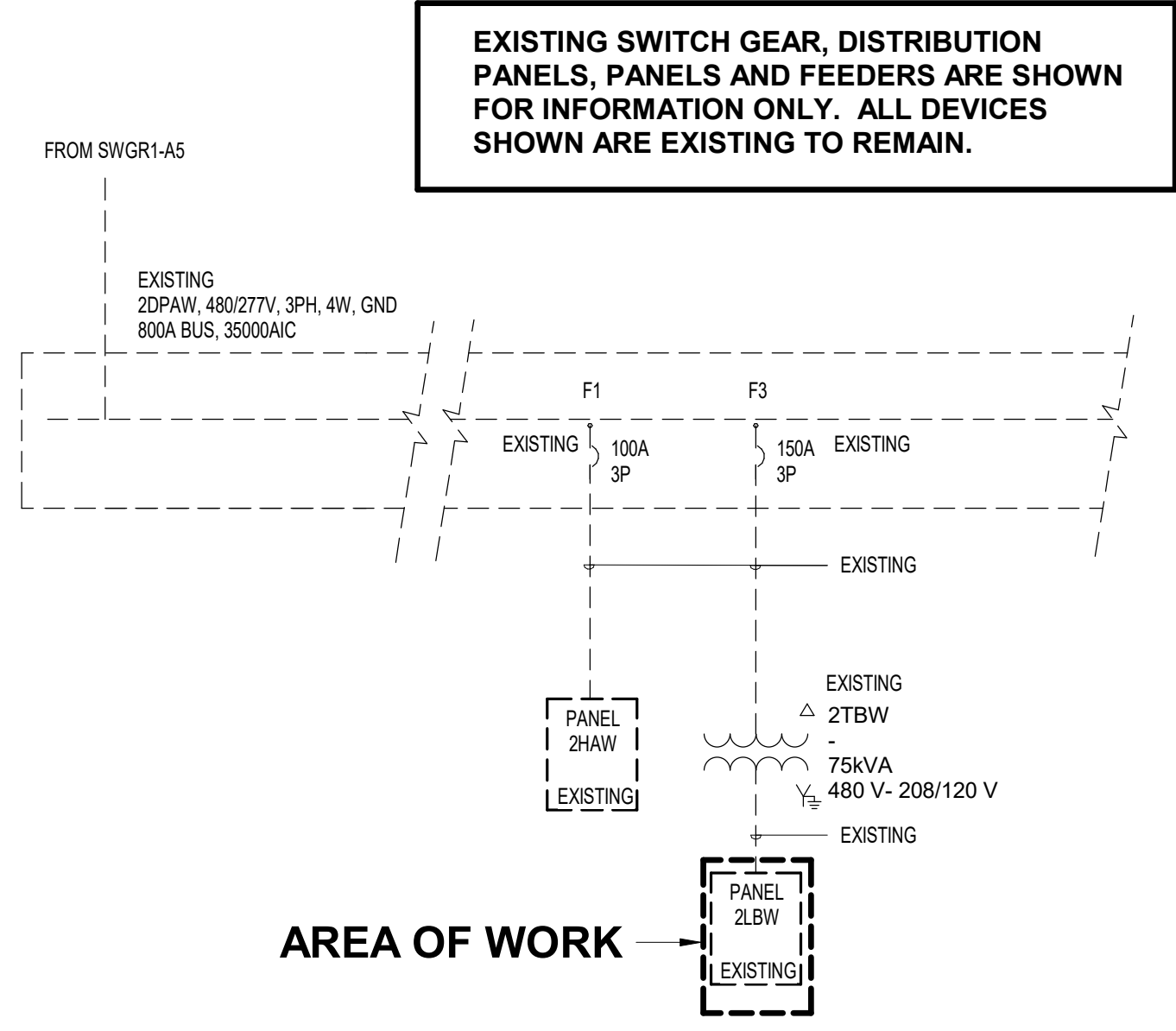
4 - HAND DRYERS REMOVED (1.2K EACH)	-4.8KVA
NEW PAPER TOWEL DISPENSORS	2.0KVA
TOTAL	-2.8KVA
REMOVED LOAD FROM PANEL	



1 N.T.S. ELECTRICAL ONE LINE DIAGRAM - 2DPBN - RR 5 & 6



2 N.T.S. ELECTRICAL ONE LINE DIAGRAM - 2DPAN - RR 9 & 10



3 N.T.S. ELECTRICAL ONE LINE DIAGRAM - 2DPAW - RR 11 & 12



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

**REVISIONS**

No.	DESCRIPTION	DATE	BY
-----	-------------	------	----

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

**DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM**

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:  
ELECTRICAL ONE LINES & PANEL SCHEDULES -  
RR 5, 6, 9, 10, 11, 12

SHEET No. E5.03 SCALE: N.T.S.

SHEET SIZE: 30"x42" ARCH E1

Existing Panel											Service:	120/208 Volts, 3 phase, 4 Wire, Solid/Neutral	AIC=10K
2LAW-SC											Mains:	225A MCB	Surface Mounted
Load	Serving	Wire	Breaker	Circuit	1A	2	3	4	5	6	Serving	Load	
720	Existing RCPT Area 201	--	1P-20	1	A	2	1P-20	--	Existing Elev #1 Controller	100			
720	Existing RCPT Area 202,203	--	1P-20	3	B	4	1P-20	--	Existing RCPT Elev 1 Mech Rm 209	540			
720	Existing RCPT Area 2002,2003	--	1P-20	5	C	6	1P-20	--	Existing RCPT Back Drops 202	540			
1080	Existing RCPT Area 205	--	1P-20	7	A	8	1P-20	--	Existing Ticket Lift Stn	600			
720	Existing RCPT Area 206	--	1P-20	9	B	10	1P-20	--	Existing Ticket Lift Stn	600			
720	Existing RCPT Area 206	--	1P-20	11	C	12	1P-20	--	Existing Ticket Lift Stn	600			
360	Existing RCPT Area 211	--	1P-20	13	A	14	1P-20	--	Existing Ticket Lift Stn	600			
1260	Existing RCPT Area 207	--	1P-20	15	B	16	1P-20	--	Existing FIDS Area 205	900			
720	Existing RCPT Area 208	--	1P-20	17	C	18	1P-20	--	Existing TV Sets	900			
1200	Existing HVAC Controls	--	1P-20	19	A	20	1P-20	--	Existing HVAC Controls	1200			
1200	Existing HVAC Controls	--	1P-20	21	B	22	1P-20	--	Existing HVAC Controls	1200			
1200	Existing HVAC Controls	--	1P-20	23	C	24	1P-20	--	Existing HVAC Controls	1200			
200	Existing LAV RM 211, 212	--	1P-20	25	A	26	1P-20	--	Existing FIDS Area 205	900			
400	Existing Auto Air Fresh 211, 212	--	1P-20	27	B	28	1P-20	--	Existing Lockers Area 205	300			
360	Existing Back Drops 207	--	1P-20	29	C	30	1P-20	--	Existing TV Sets	900			
0	Spare	--	1P-20	31	A	32	1P-20	--	Existing TV Sets	900			
0	Spare	--	1P-20	33	B	34	1P-20	--	Existing Baggage Carts	800			
0	Spare	--	1P-20	35	C	36	1P-20	--	Existing Plumb Fixtures 211	500			
0	Existing	--	1P-20	37	A	38	1P-20	--	Spare	0			
500	Existing EDF West	--	1P-20	39	B	40	1P-20	--	Spare	0			
0	Spare	--	1P-20	41	C	42	1P-20	--	Spare	0			
<b>12080</b>												<b>13480</b>	

Load Summary (including Sub Panels)			
Con	Factor	Dem	
KW		KW	
Lighting	0	1.25	0
Rec 10K@100%, rest @50%	10.0	1.00	10.0
Rec 50%	6.9	0.50	3.5
Equip	7.5	1.00	7.5
HVAC	1.2	1.00	1.2
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>25.6</b>	<b>22.11</b>	
<b>Amps</b>	<b>70.9</b>	<b>61.4</b>	

4 - HAND DRYERS REMOVED (1.2K EACH)	-4.8KVA
NEW PAPER TOWEL DISPENSORS	2.0KVA
TOTAL	-2.8KVA
REMOVED LOAD FROM PANEL	

Existing Panel											Service:	120/208 Volts, 3 phase, 4 Wire, Solid/Neutral	AIC=10K
2LBS-SC											Mains:	225A MCB	Surface Mounted
Load	Serving	Wire	Breaker	Circuit	1A	2	3	4	5	6	Serving	Load	
670	Existing EF-3 ROOF	--	1P-20	1	A	2	1P-20	--	Existing PLMB FIXT RM 231	500			
670	Existing EF-4 ROOF	--	1P-20	3	B	4	1P-20	--	Existing PLMB FIXT RM 232	500			
830	Existing VF-2 ROOF	--	1P-20	5	C	6	1P-20	--	Existing X-RAY TEMP	600			
1130	Existing VF-2 ROOF	--	1P-20	7	A	8	1P-20	--	Existing METAL DETECTOR TEMP	300			
1130	Existing VF-4 ROOF	--	1P-20	9	B	10	1P-20	--	Existing HVAC Controls	1200			
1130	Existing VF-4 ROOF	--	1P-20	11	C	12	1P-20	--	Existing HVAC Controls	1200			
1130	Existing VF-6 ROOF	--	1P-20	13	A	14	1P-20	--	Existing HVAC Controls	1200			
1130	Existing VF-8 ROOF	--	1P-20	15	B	16	1P-20	--	Existing HVAC Controls	1200			
0	Spare	--	1P-20	17	C	18	1P-20	--	Existing HVAC Controls	1200			
1130	Existing VF-7 ROOF	--	1P-20	19	A	20	1P-20	--	Existing HVAC Controls	1200			
1130	Existing VF-8 ROOF	--	1P-20	21	B	22	1P-20	--	Existing Lav Rm 229,231,232	600			
0	Spare	--	1P-20	23	C	24	1P-20	--	Existing RCPT for TV Sets	800			
0	Spare	--	1P-20	25	A	26	1P-20	--	Existing RCPT for TV Sets	800			
0	Spare	--	1P-20	27	B	28	1P-20	--	Existing Bat. Charger Rm 234	1500			
0	Spare	--	1P-20	29	C	30	1P-20	--	Existing Bat. Charger Rm 234	1500			
0	Spare	--	1P-20	31	A	32	1P-20	--	Spare	0			
0	Spare	--	1P-20	33	B	34	1P-20	--	Spare	0			
0	Spare	--	1P-20	35	C	36	1P-20	--	Spare	0			
0	Spare	--	1P-20	37	A	38	1P-20	--	Spare	0			
0	Spare	--	1P-20	39	B	40	1P-20	--	Spare	0			
0	Spare	--	1P-20	41	C	42	1P-20	--	Spare	0			
<b>8950</b>												<b>14600</b>	

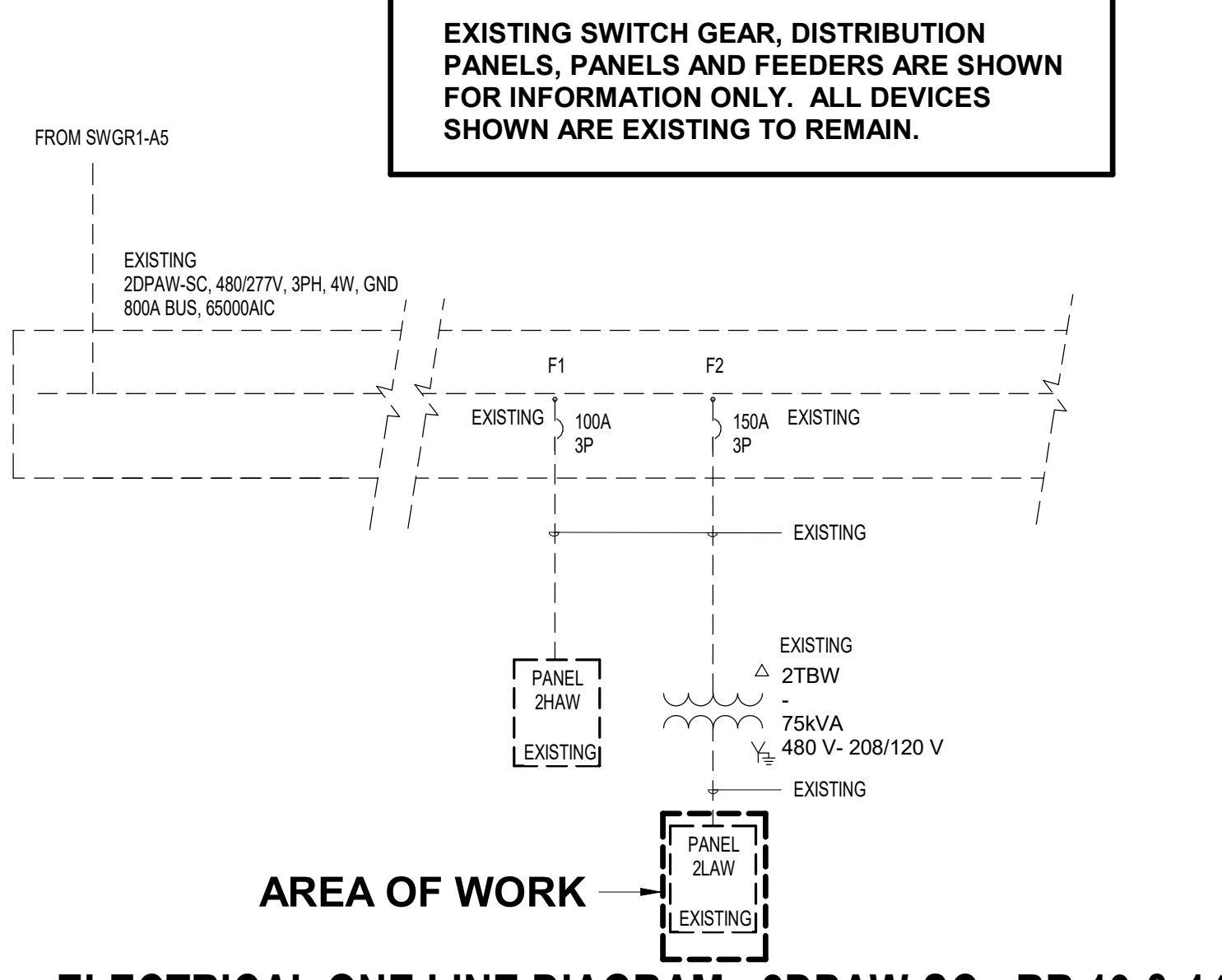
Load Summary (including Sub Panels)			
Con	Factor	Dem	
KW		KW	
Lighting	0	1.25	0
Rec 10K@100%, rest @50%	1.6	1.00	1.6
Rec 50%	0.0	0.50	0.0
Equip	13.0	1.00	13.0
HVAC	9.0	1.00	9.0
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>23.6</b>	<b>23.55</b>	
<b>Amps</b>	<b>65.4</b>	<b>65.4</b>	

4 - HAND DRYERS REMOVED (1.2K EACH)	-4.8KVA
NEW PAPER TOWEL DISPENSORS	2.0KVA
TOTAL	-2.8KVA
REMOVED LOAD FROM PANEL	

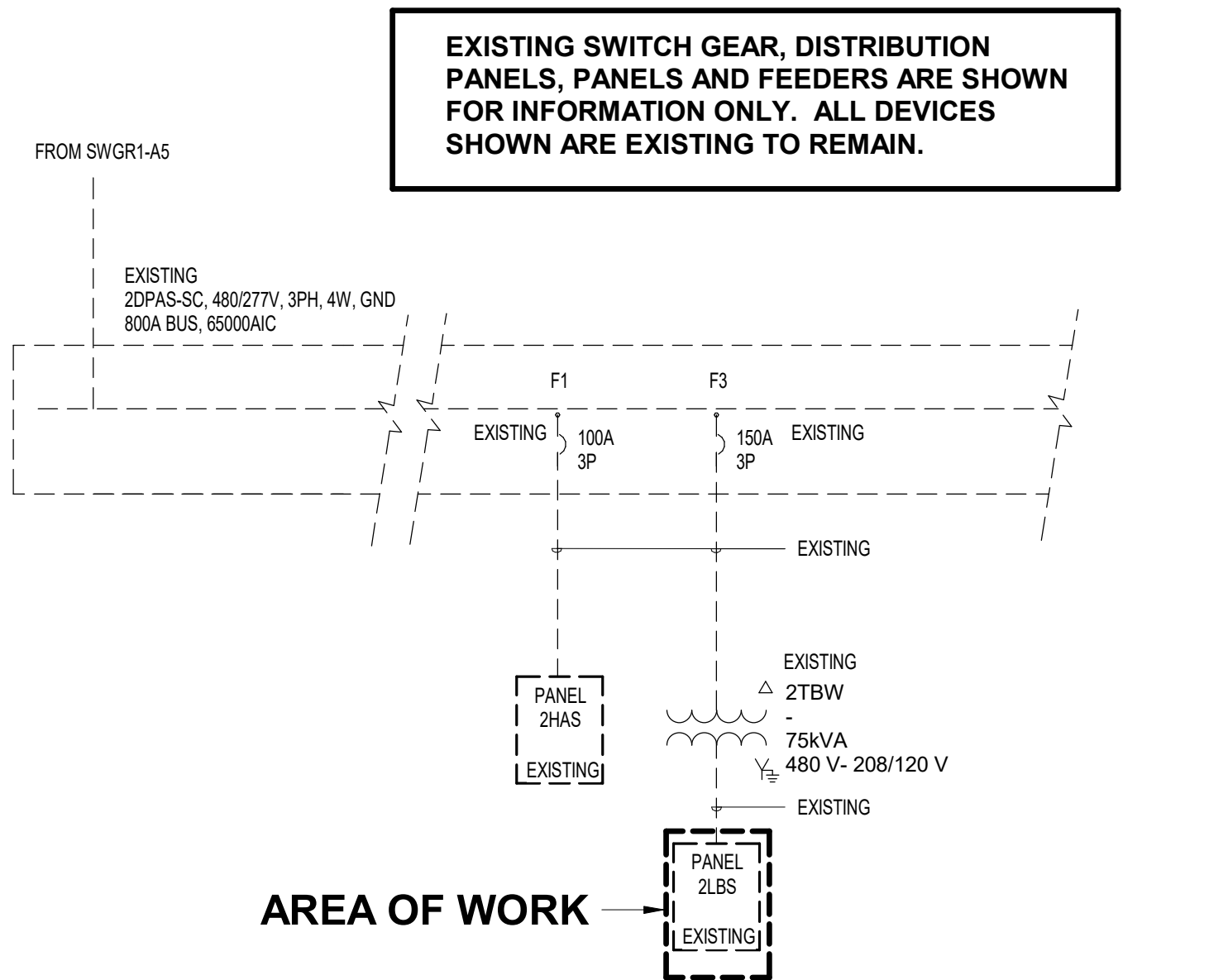
Existing Panel											Service:	120/208 Volts, 3 phase, 4 Wire, Solid/Neutral	AIC=10K
2LDS-SC											Mains:	225A MCB	Surface Mounted
Load	Serving	Wire	Breaker	Circuit	1A	2	3	4	5	6	Serving	Load	
360	Existing Rec 253	--	1P-20	1	A	2	1P-20	--	Existing Rec 257	720			
360	Existing Rec 254	--	1P-20	3	B	4	1P-20	--	Existing Rec 257	360			
540	Existing Rec 253,254,258	--	1P-20	5	C	6	1P-20	--	Existing Ticket Lift Stn 259	600			
900	Existing Rec 256,259	--	1P-20	7	A	8	1P-20	--	Existing Ticket Lift Stn 260	900			
1260	Existing Rec 260,261	--	1P-20	9	B	10	1P-20	--	Existing Ticket Lift Stn 263	600			
720	Existing Rec 260,261,262	--	1P-20	11	C	12	1P-20	--	Existing Ticket Lift Stn 263	600			
720	Existing Rec 263	--	1P-20	13	A	14	1P-20	--	Existing Ticket Lift Stn 261	600			
1400	Existing EDF 258	--	1P-20	15	B	16	1P-20	--	Existing fa remote transmitter 252	600			
400	Existing Auto Air 253,254	--	1P-20	17	C	18	1P-20	--	Existing Locker 266	800			
360	Existing Rec Back Drop 262	--	1P-20	19	A	20	1P-20	--	Existing TV Sets 260	300			
360	Existing Rec Back Drop 262	--	1P-20	21	B	22	1P-20	--	Existing TV Sets 262	900			
180	Existing Rec Back Drop 266	--	1P-20	23	C	24	1P-20	--	Existing Baggage Carts 266	900			
1320	Existing Refrig. Cart 209	--	1P-20	25	A	26	1P-20	--	Spare	0			
0	Spare	--	1P-20	27	B	28	1P-20	--	Spare	0			
0	Spare	--	1P-20	29	C	30	1P-20	--	Spare	0			
1100	Existing RR Hand Dryer	--	1P-20	31	A	32	1P-20	--	Existing RR Hand Dryer	0			
1100	Existing RR Hand Dryer	--	1P-20	33	B	34	1P-20	--	Existing RR Hand Dryer	0			
0	Spare	--	1P-20	35	C	36	1P-20	--	Spare	0			
0	Spare	--	1P-20	37	A	38	1P-20	--	Spare	0			
0	Spare	--	1P-20	39	B	40	2P-40	--	Existing Panel UPS-3	0			
0	Spare	--	1P-20	41	C	42	--	--	Spare	0			
<b>11080</b>												<b>7580</b>	

Load Summary (including Sub Panels)			
Con	Factor	Dem	
KW		KW	
Lighting	0	1.25	0
Rec 10K@100%, rest @50%	7.6	1.00	7.6
Rec 50%	0.0	0.50	0.0
Equip	11.1	1.00	11.1
HVAC	0.0	1.00	0.0
Kitchen	0.0	0.65	0.0
<b>Total KW</b>	<b>18.7</b>	<b>18.65</b>	
<b>Amps</b>	<b>51.8</b>	<b>51.8</b>	

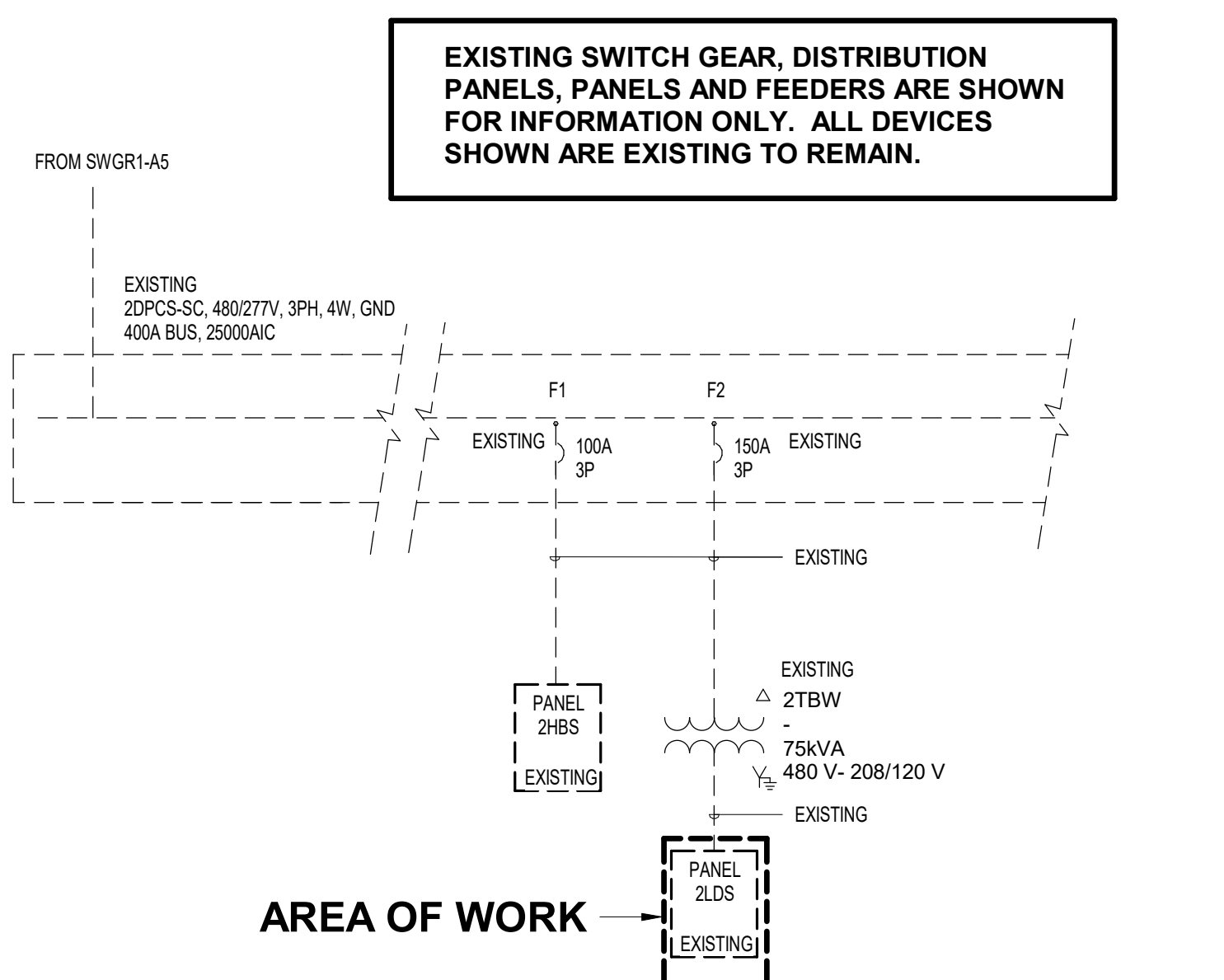
4 - HAND DRYERS REMOVED (1.2K EACH)	-4.8KVA
NEW PAPER TOWEL DISPENSORS	2.0KVA
TOTAL	-2.8KVA
REMOVED LOAD FROM PANEL	



1 ELECTRICAL ONE LINE DIAGRAM - 2DPAW-SC - RR 13 & 14  
N.T.S.



2 ELECTRICAL ONE LINE DIAGRAM - 2DPAS-SC - RR 15 & 16  
N.T.S.



3 ELECTRICAL ONE LINE DIAGRAM - 2DPCS-SC - RR 17 & 18  
N.T.S.



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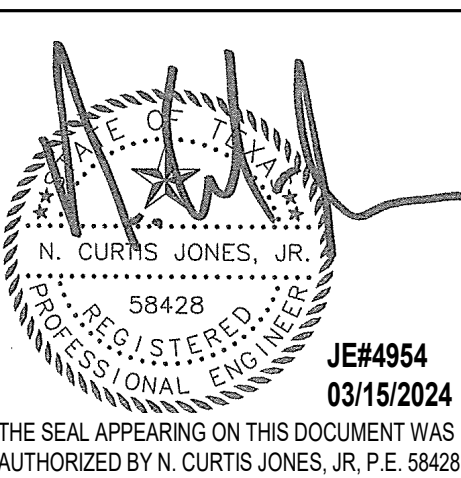
REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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SHEET NAME:  
ELECTRICAL ONE LINES & PANEL SCHEDULES - RR 13, 14, 15, 16, 17, 18

SHEET No. E5.04 SCALE: N.T.S.

SHEET SIZE: 30"x42" ARCH E1

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/0954\_I MEP\_Term\_A\_RR\_Refresh\_R24.rvt HAS FILE: PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:

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PROJECT STATUS: **IFB**

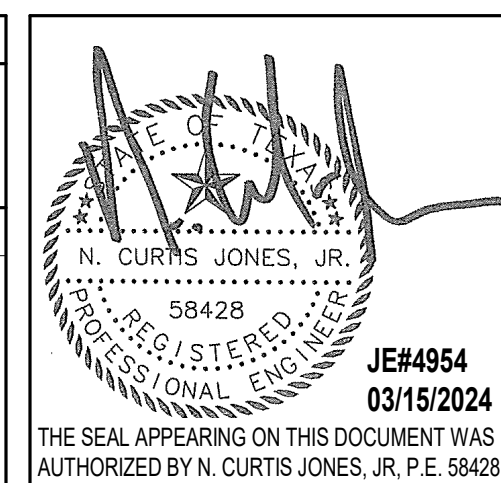
**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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ISSUE DATE: 03.15.24  
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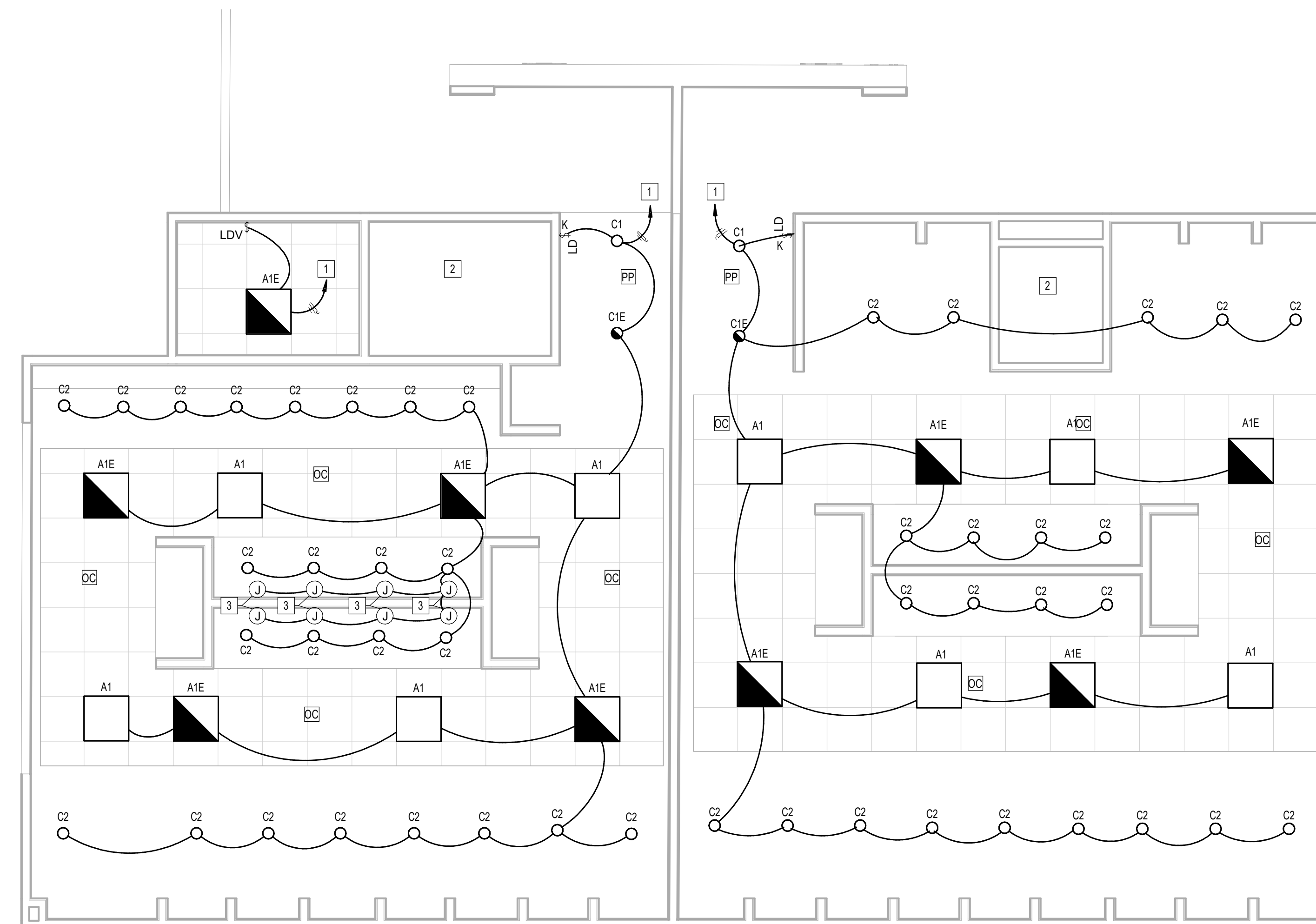
SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR 1  
& 2  
SHEET No. EL4.61 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (27V, 34W).

**LIGHTING CONTROL LEGEND**

OC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LD & D	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



**1 ELECTRICAL LIGHTING ENLARGED PLAN - RR 1 & 2**  
1/4" = 1'-0"

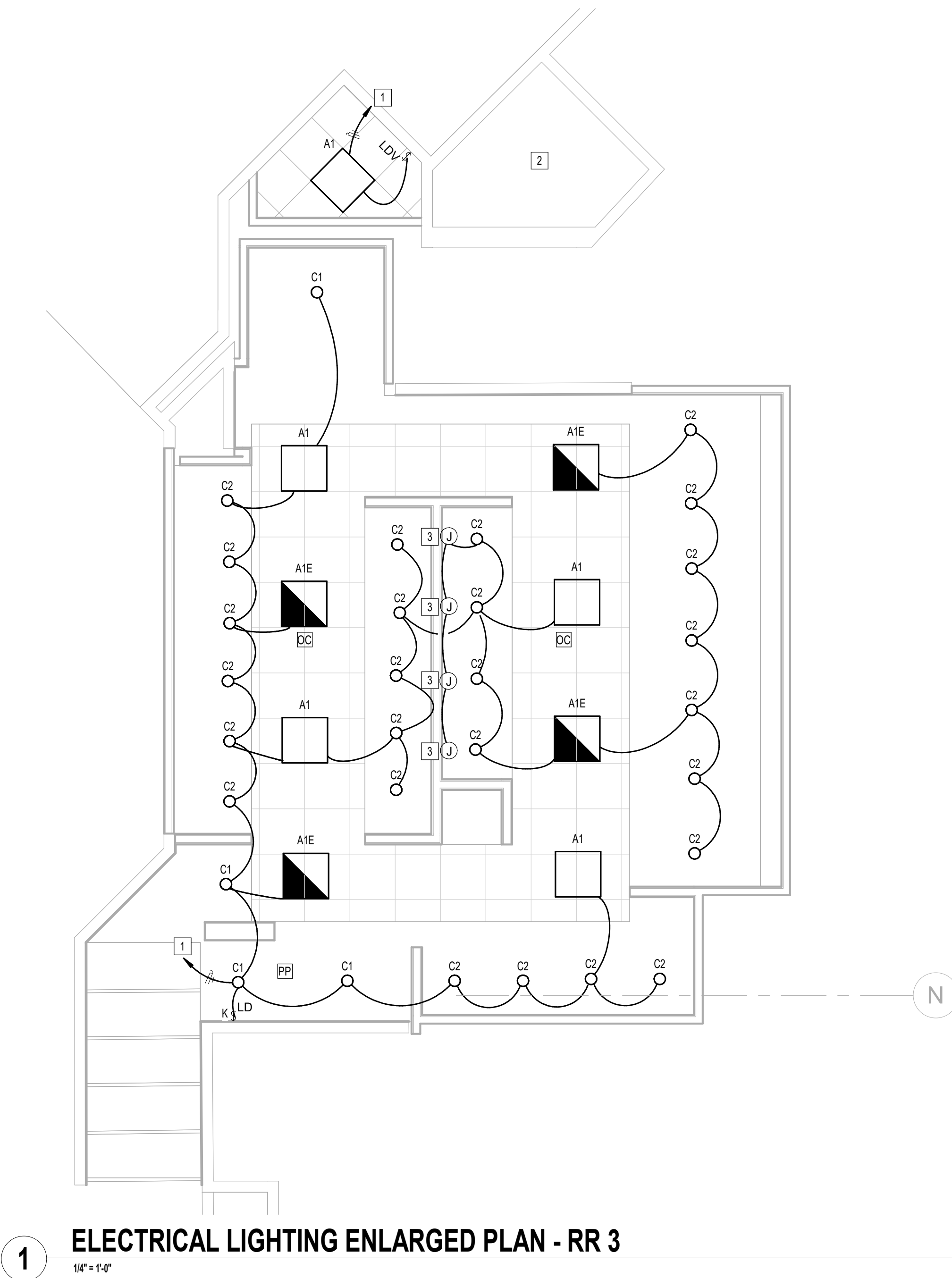
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

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

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:



**1** ELECTRICAL LIGHTING ENLARGED PLAN - RR 3  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (277V, 34W).

LIGHTING CONTROL LEGEND	
DC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYSWITCH(S) (0-10V DIMMER).
LDV	WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%).
LDD	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



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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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Review/Approval Category <b>IFB</b> ISSUED FOR BIDDING	<p>JE#4954 03/15/2024 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428</p>
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SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR 3

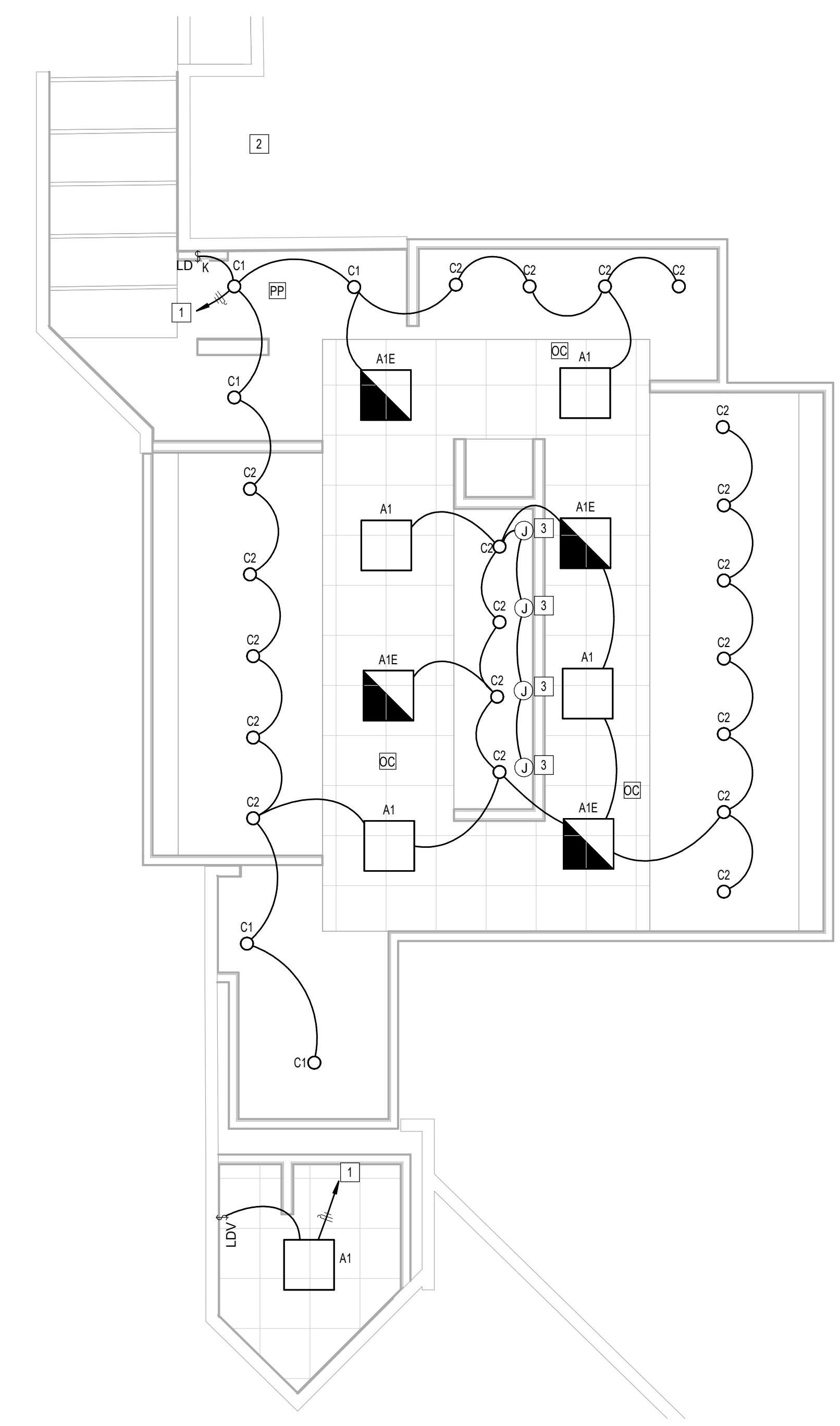
SHEET No.                      EL4.63                      SCALE:                      As indicated

SHEET SIZE: 30"x42" ARCH E1



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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:



**1** ELECTRICAL LIGHTING ENLARGED PLAN - RR 4  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (277V, 34W).

LIGHTING CONTROL LEGEND	
DC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LDD	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



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

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CHECKED BY: JE  
ISSUE DATE: 03.15.24  
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APPROVAL DATE: 03.15.24

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SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR 4

SHEET No. EL4.64 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



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PROJECT STATUS:

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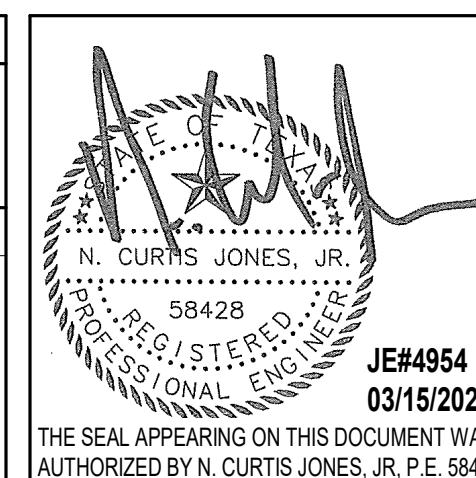
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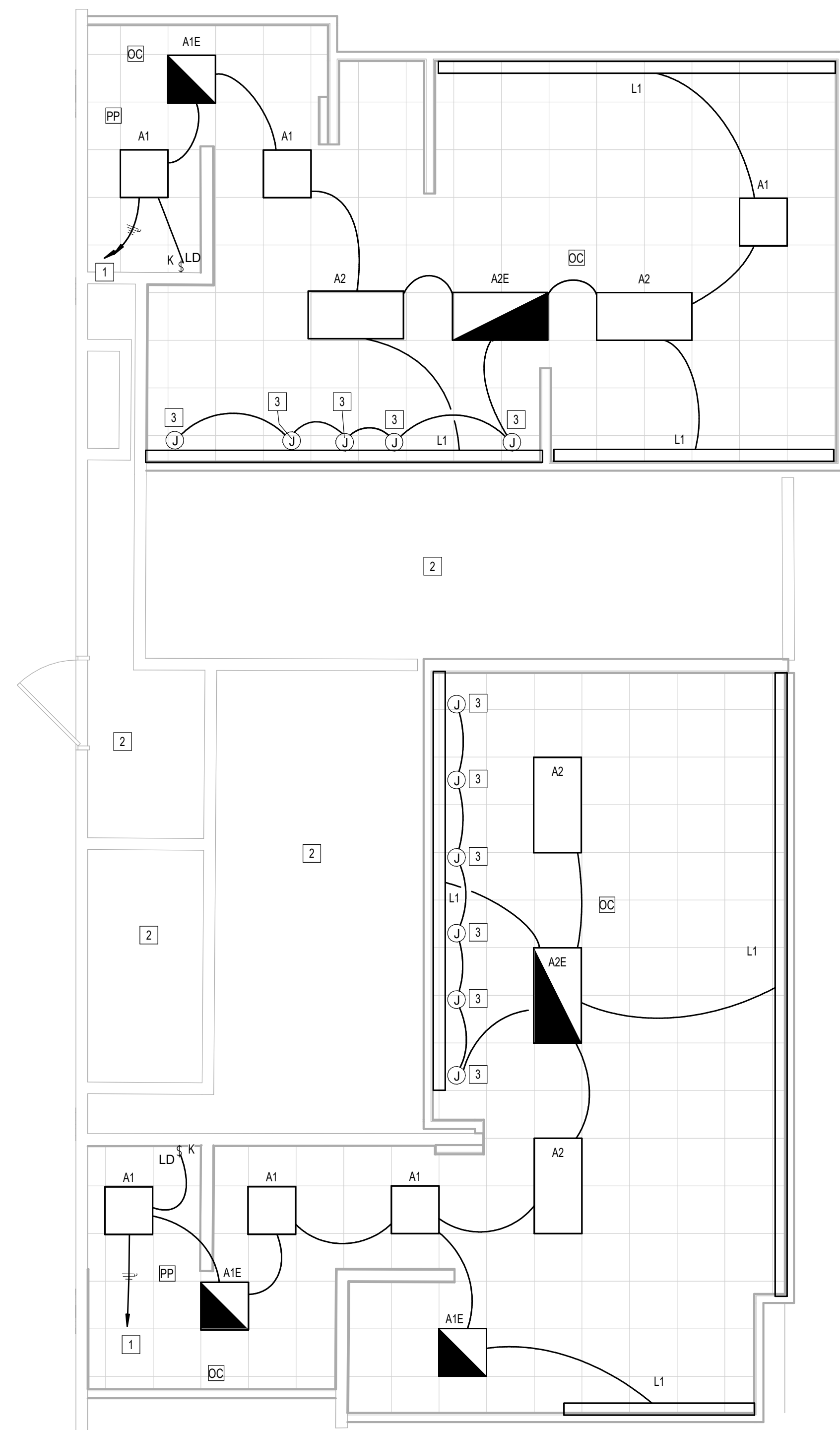
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SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR 5  
& 6  
SHEET No. EL4.65 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



**1** ELECTRICAL LIGHTING ENLARGED PLAN - RR 5 & 6  
1/4" = 1'-0"

#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (277V, 34W).

LIGHTING CONTROL LEGEND	
DC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LDD	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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:  
PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:



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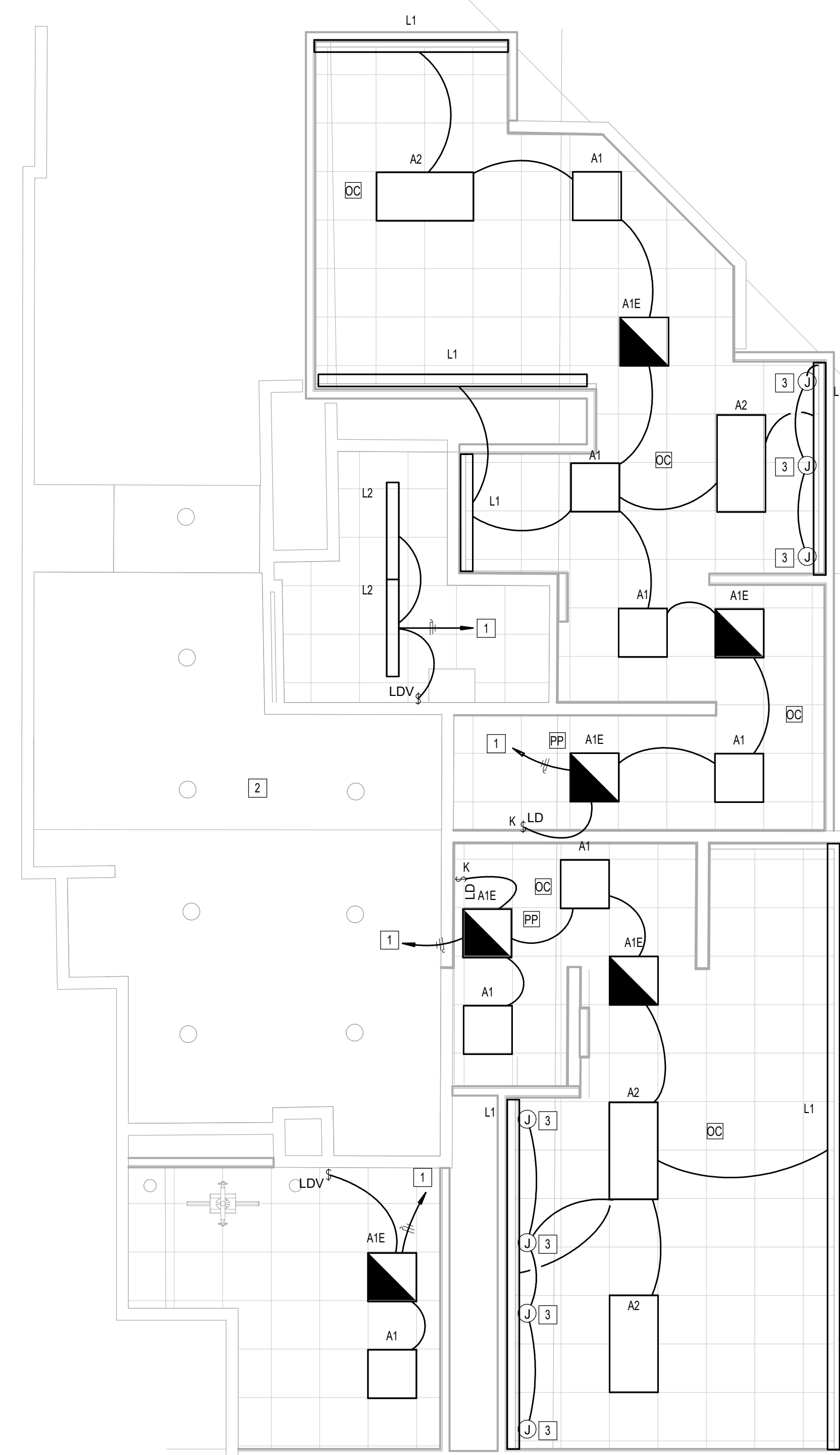
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SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR 9  
& 10  
SHEET No. EL4.67 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



**1** ELECTRICAL LIGHTING ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"

#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (27V, 34W).

### LIGHTING CONTROL LEGEND

OC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LDD	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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
HAS FILE:  
PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:



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

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DESIGNER PROJECT No.:  
PROJECT STATUS:

IFB

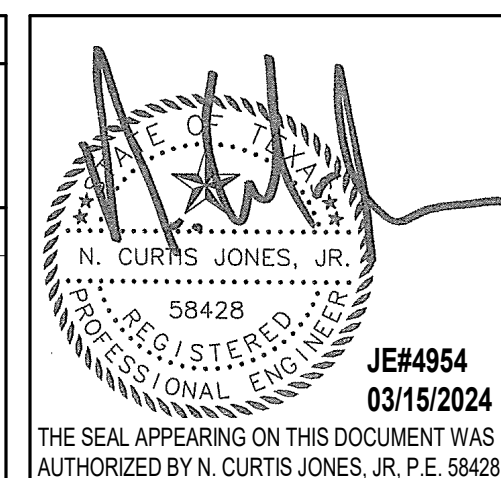
### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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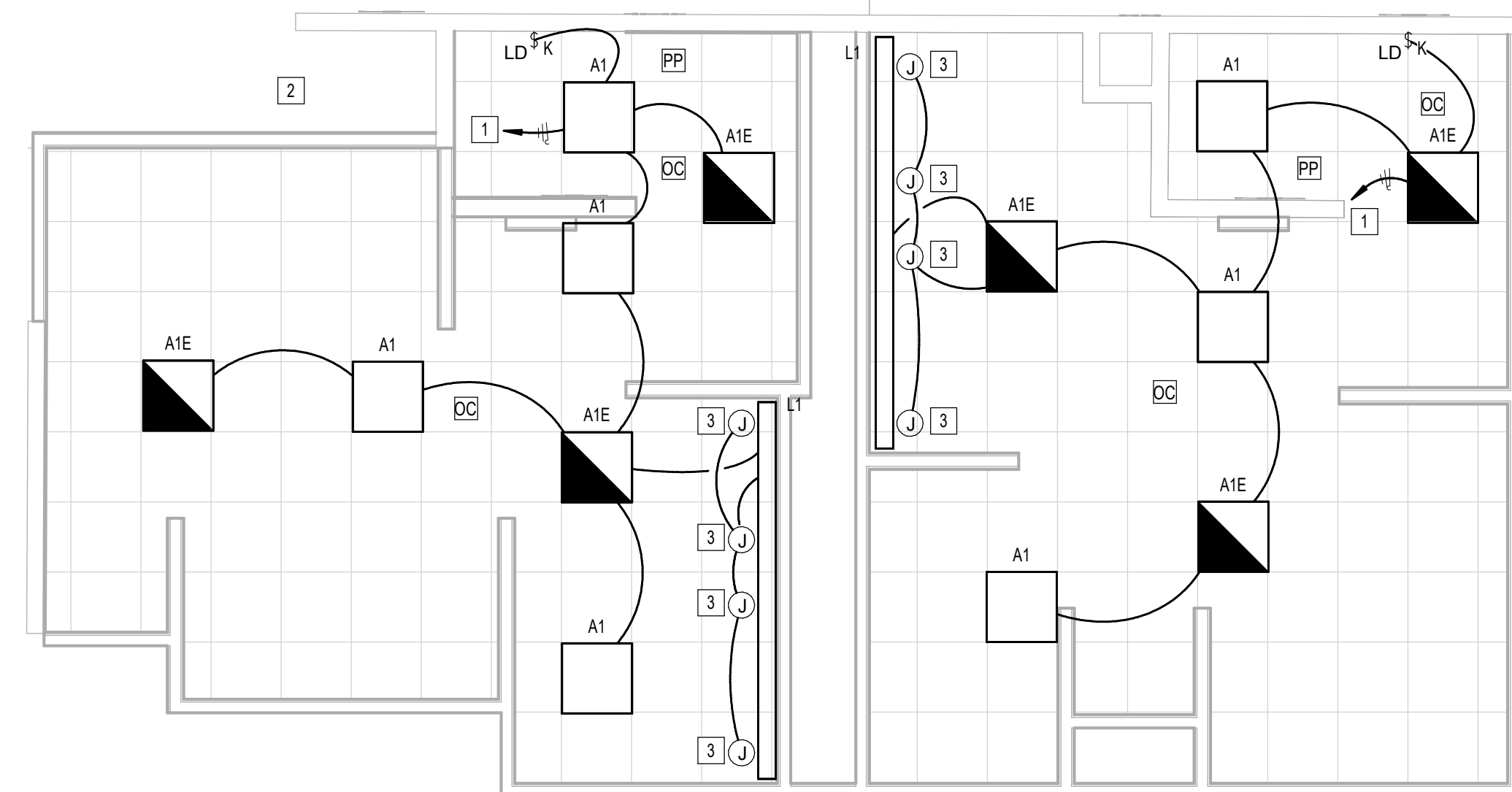
SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR  
11 & 12  
 SHEET No. EL4.71 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (277V, 34W).

### LIGHTING CONTROL LEGEND

DC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%).
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LDD	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



1 ELECTRICAL LIGHTING ENLARGED PLAN - RR 11 & 12  
1/8" = 1'-0"

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:  
 FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
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DESIGNER PROJECT No.:  
PROJECT STATUS:

IFB

### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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JE#4954  
03/15/2024  
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR  
13 & 14

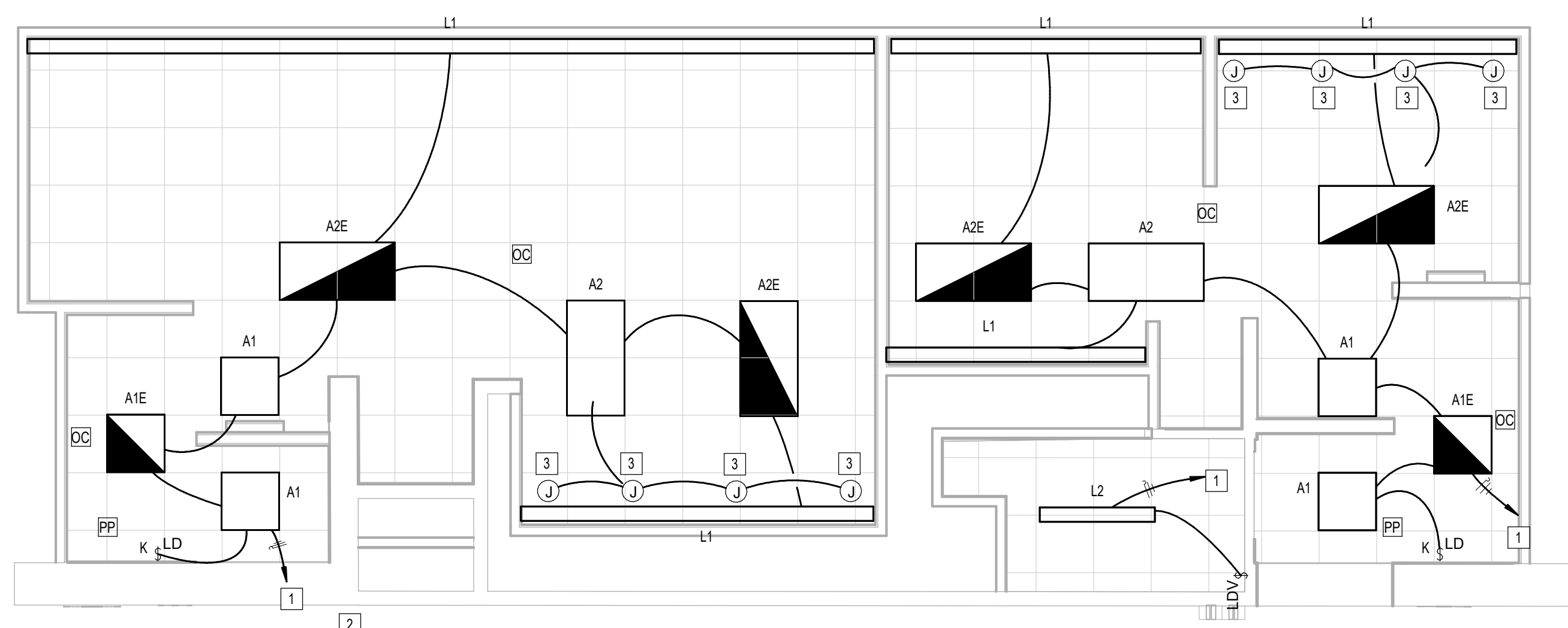
SHEET No. EL4.73 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (277V, 34W).

### LIGHTING CONTROL LEGEND

OC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LDD	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



**1** ELECTRICAL LIGHTING ENLARGED PLAN - RR 13 & 14  
1/4" = 1'-0"

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:  
PLOT DATE:  
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### REVISIONS

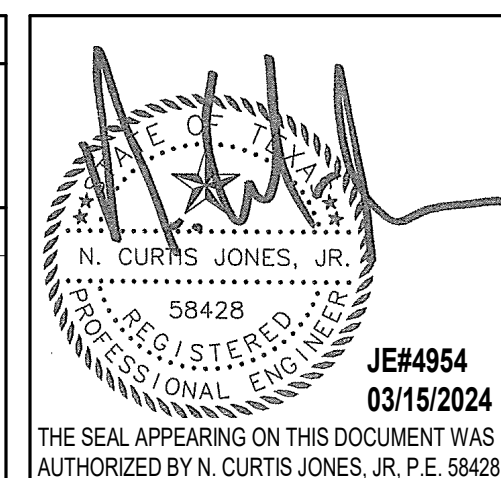
No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR  
15 & 16

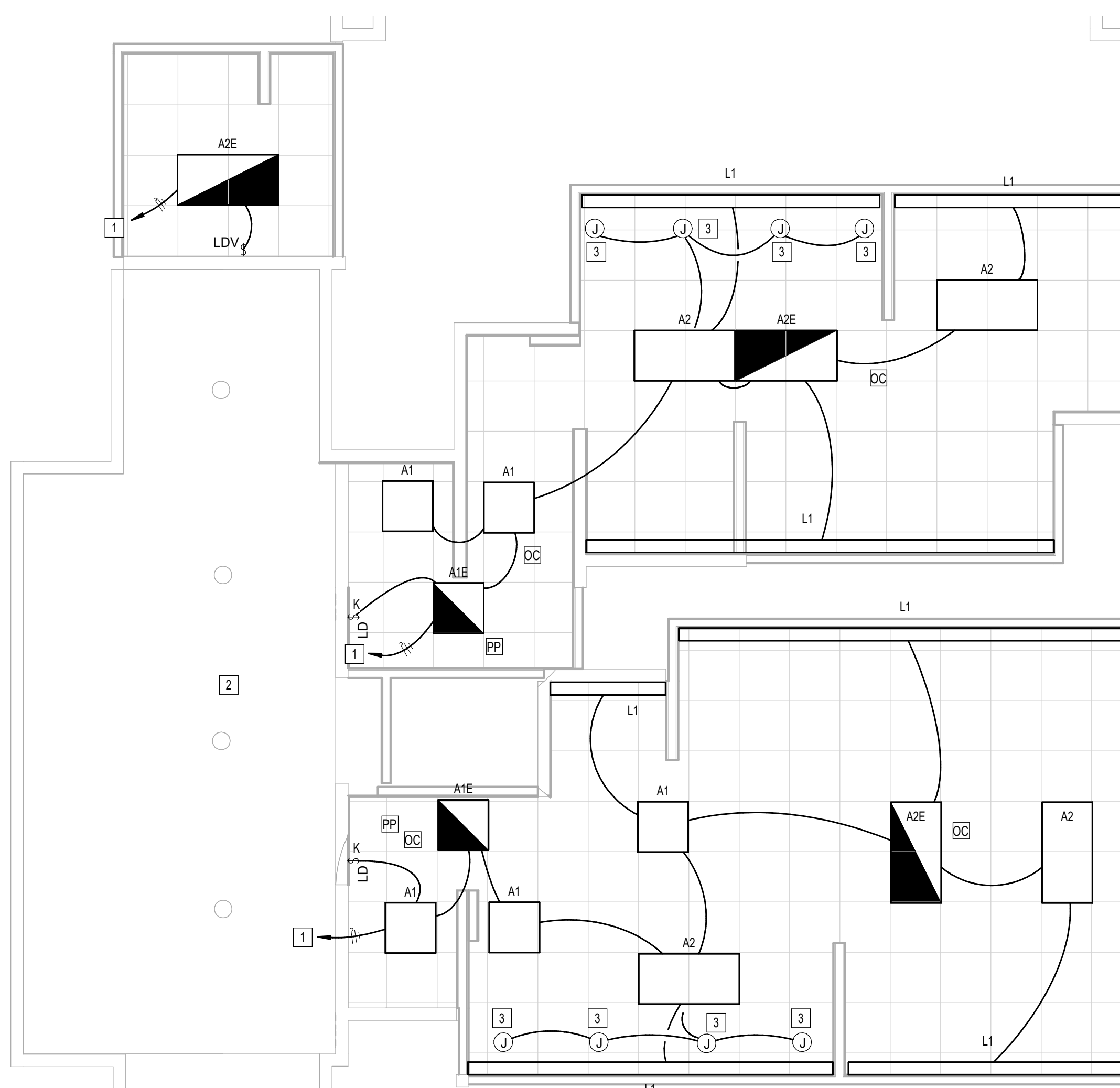
SHEET No. EL4.75 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (27V, 34W)

### LIGHTING CONTROL LEGEND

OC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LDD	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



1 ELECTRICAL LIGHTING ENLARGED PLAN - RR 15 & 16  
1/8" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:



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REFRESH**

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PROJECT STATUS:

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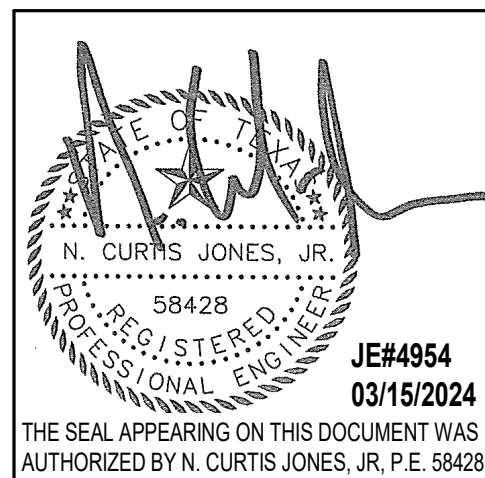
**REVISIONS**

NO. DESCRIPTION DATE BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

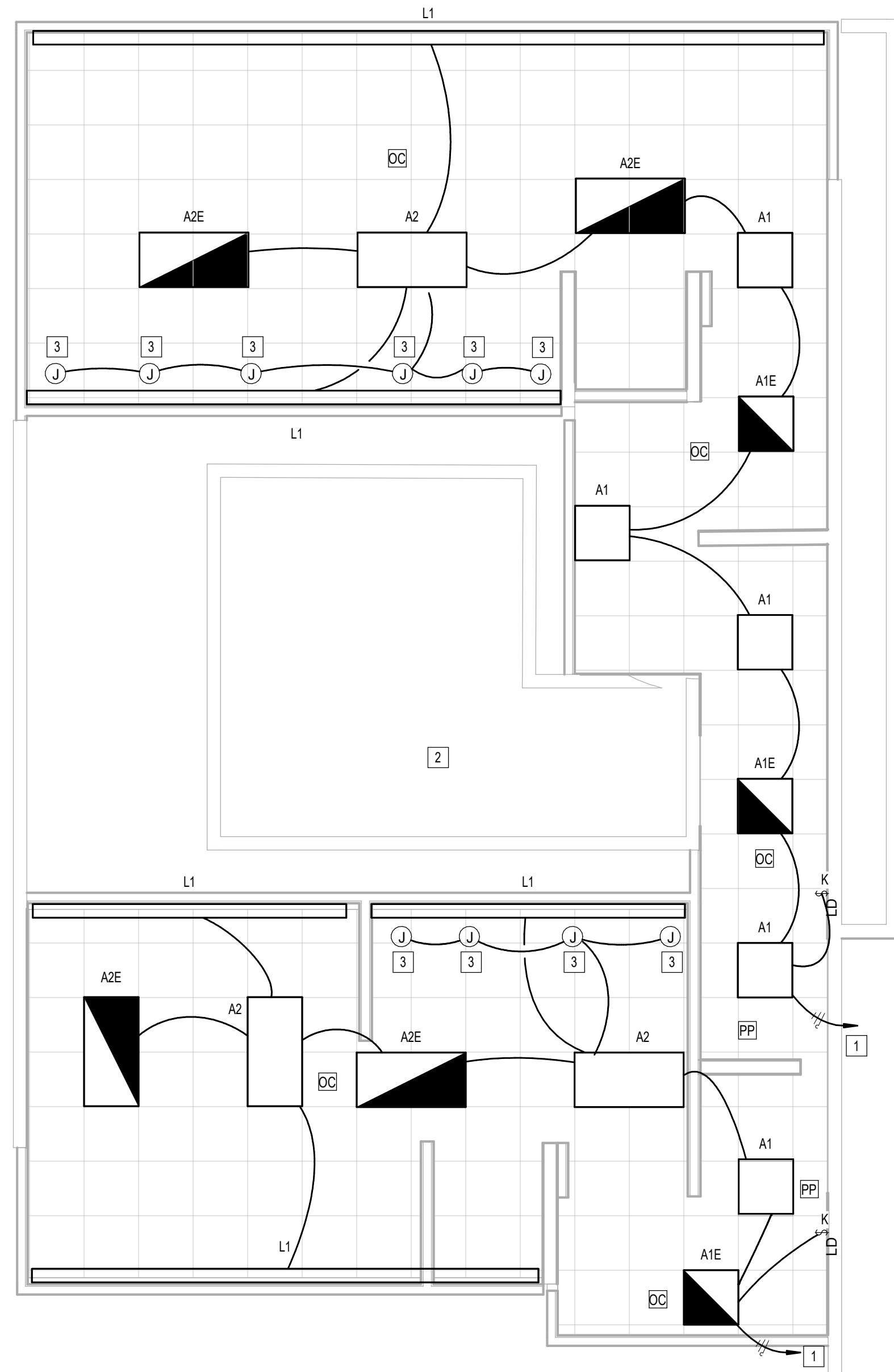
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SHEET NAME:  
ELECTRICAL LIGHTING ENLARGED PLAN - RR  
17 & 18  
SHEET No. EL4.77 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



**1 ELECTRICAL LIGHTING ENLARGED PLAN - RR 17 & 18**  
1/4" = 1'-0"

**KEYED NOTES**

#	KEYNOTE
1	CONNECT TO EXISTING CIRCUIT SERVING REMOVED LIGHT FIXTURES. VERIFY BRANCH CIRCUIT HAS NOT BEEN EXCEEDED. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER)
2	NO WORK IN THIS AREA.
3	JUNCTION BOX FOR MIRROR LIGHT (277V, 34W).

**LIGHTING CONTROL LEGEND**

DC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). AUTO OFF / AUTO ON.
VC	CEILING MOUNTED OCCUPANT SENSOR. PROVIDE FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%.
PP	LIGHTING CONTROL POWER PACK.
LD	LOW VOLTAGE SWITCH(S) (0-10V DIMMER).
LD & K	LOW VOLTAGE KEYED 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%).
LDD	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

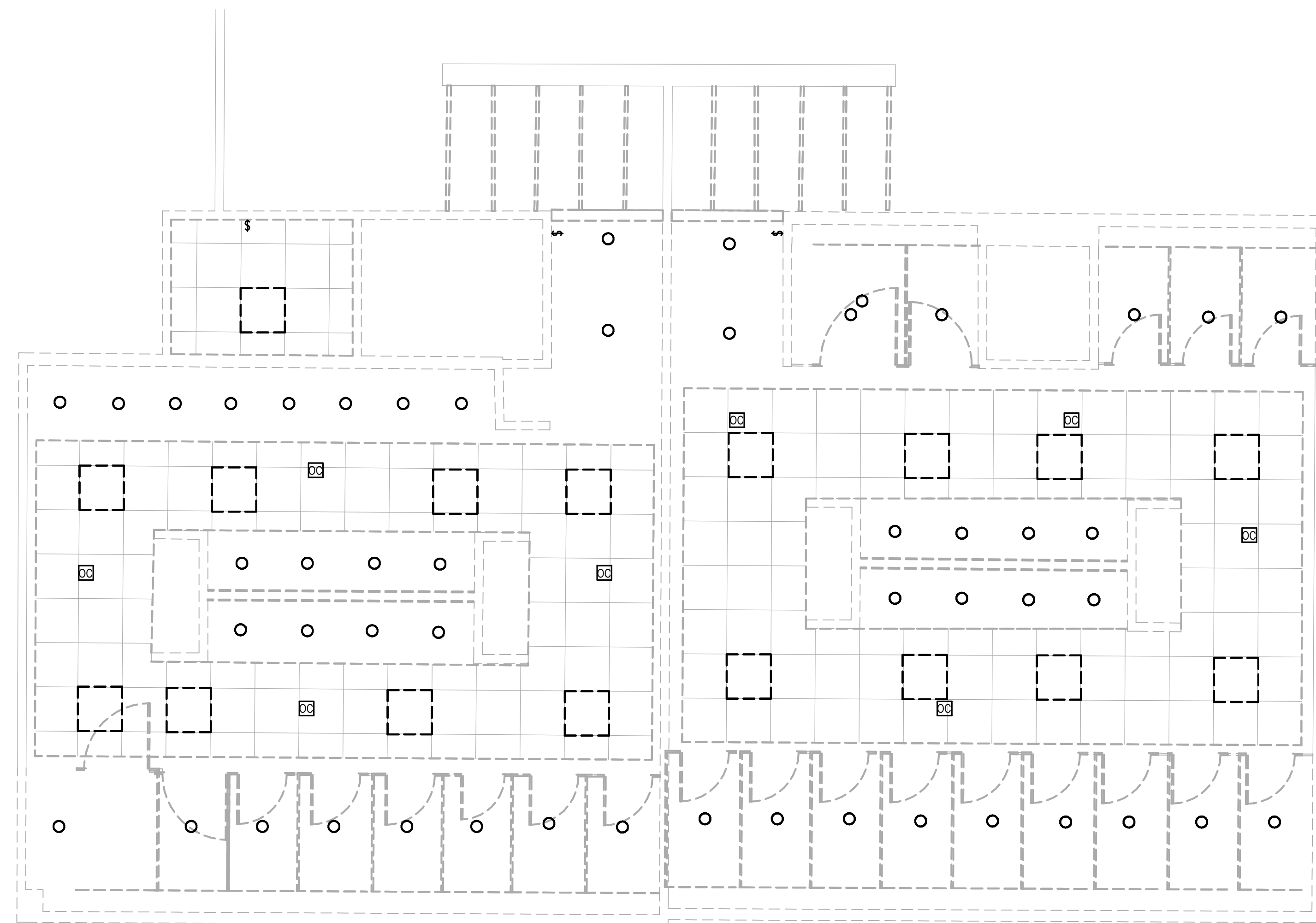
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PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.261 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 1 & 2  
1/4" = 1'-0"



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REFRESH**

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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**HOUSTON AIRPORT SYSTEM**

<p>Review/Approval Category <b>IFB</b> ISSUED FOR BIDDING</p>	
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SHEET NAME:  
ELECTRICAL LIGHTING DEMO ENLARGED  
PLAN - RR 1 & 2

SHEET No. ELD4.61 SCALE: 1/4" = 1'-0"

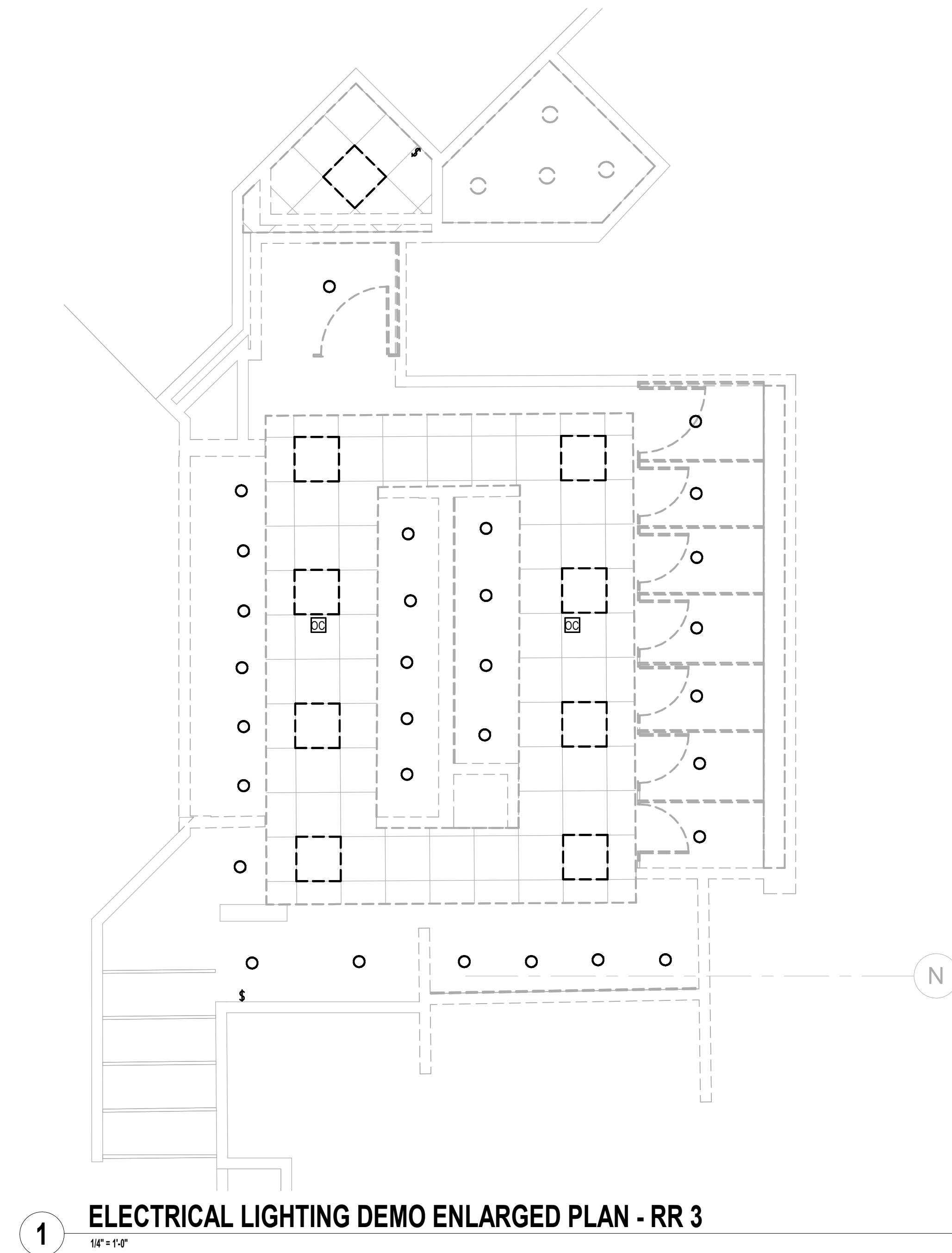
SHEET SIZE: 30"x42" ARCH E1



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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:



**1** ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 3  
1/4" = 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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



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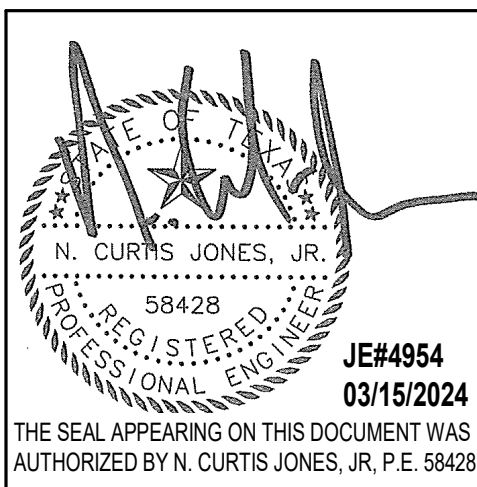
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DESIGN BY: JE  
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ISSUE DATE: 03.15.24  
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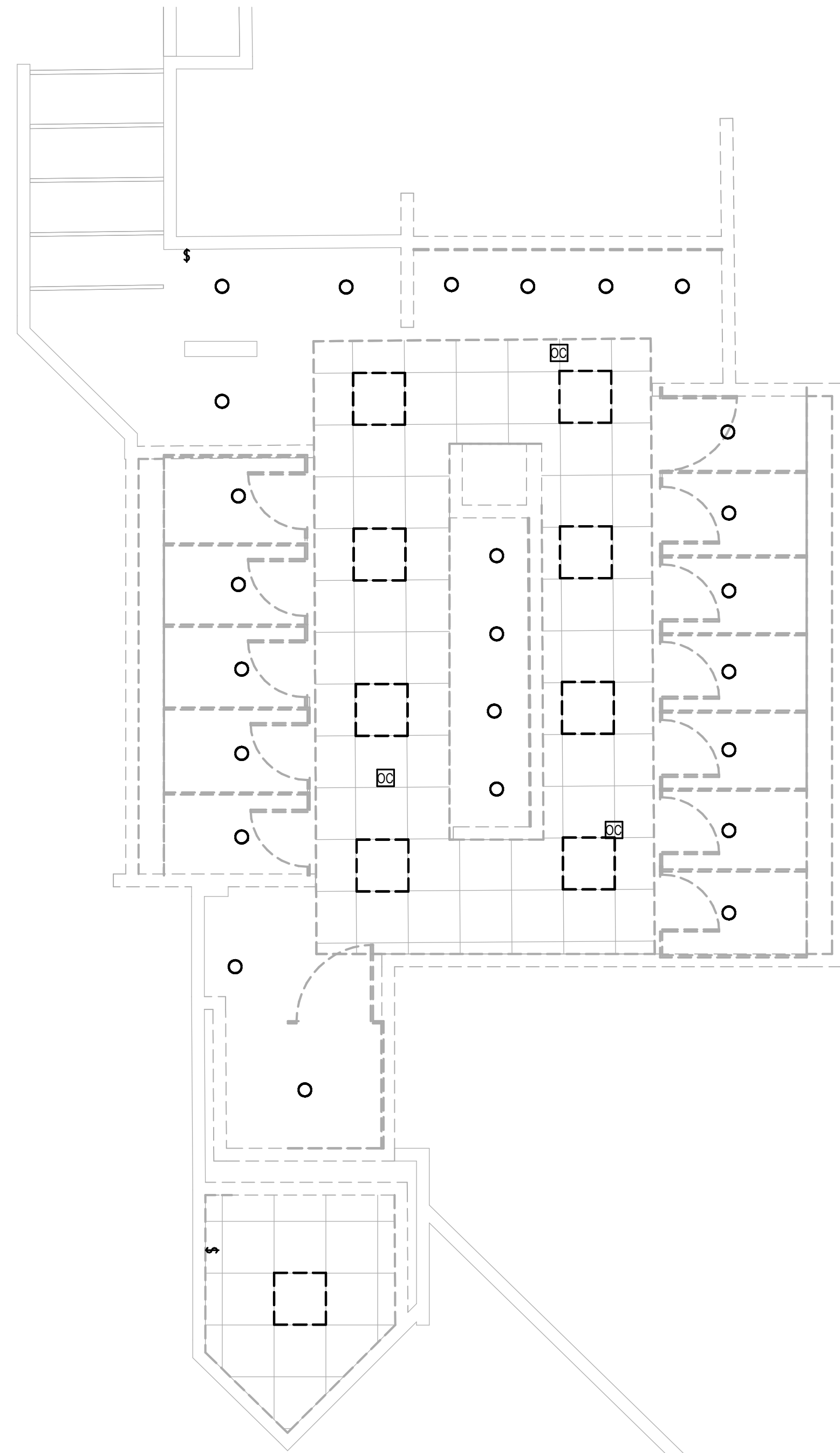
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ELECTRICAL LIGHTING DEMO ENLARGED  
PLAN - RR 3  
SHEET No. ELD4.63 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
 HAS FILE:

1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 4  
 1/4" = 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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



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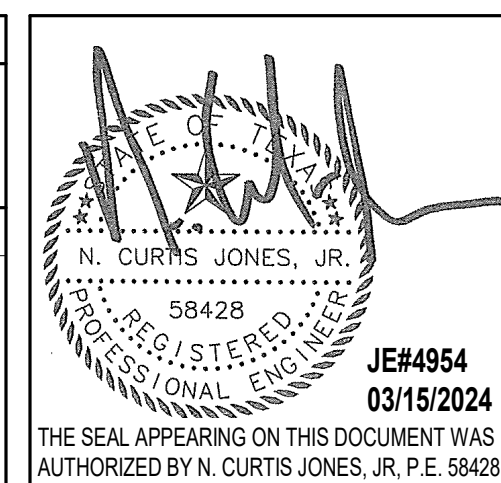
**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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SHEET NAME:  
 ELECTRICAL LIGHTING DEMO ENLARGED  
 PLAN - RR 4  
 SHEET No. ELD4.64 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 5 & 6  
1/4"=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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



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REFRESH**

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DESIGNER PROJECT No.:  
PROJECT STATUS:

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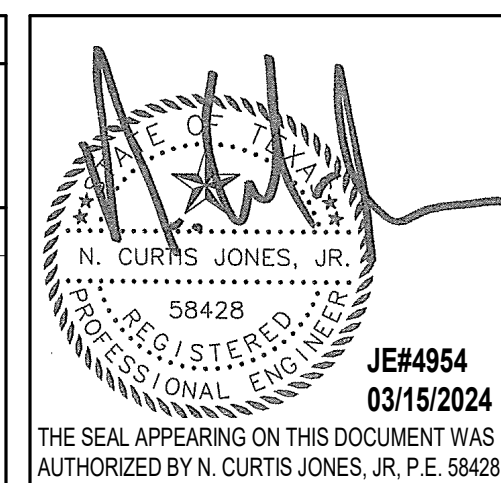
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No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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ISSUE DATE: 03.15.24  
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APPROVAL DATE: 03.15.24

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SHEET NAME:  
ELECTRICAL LIGHTING DEMO ENLARGED  
PLAN - RR 5 & 6  
SHEET No. ELD4.65 SCALE: 1/4" = 1'-0"

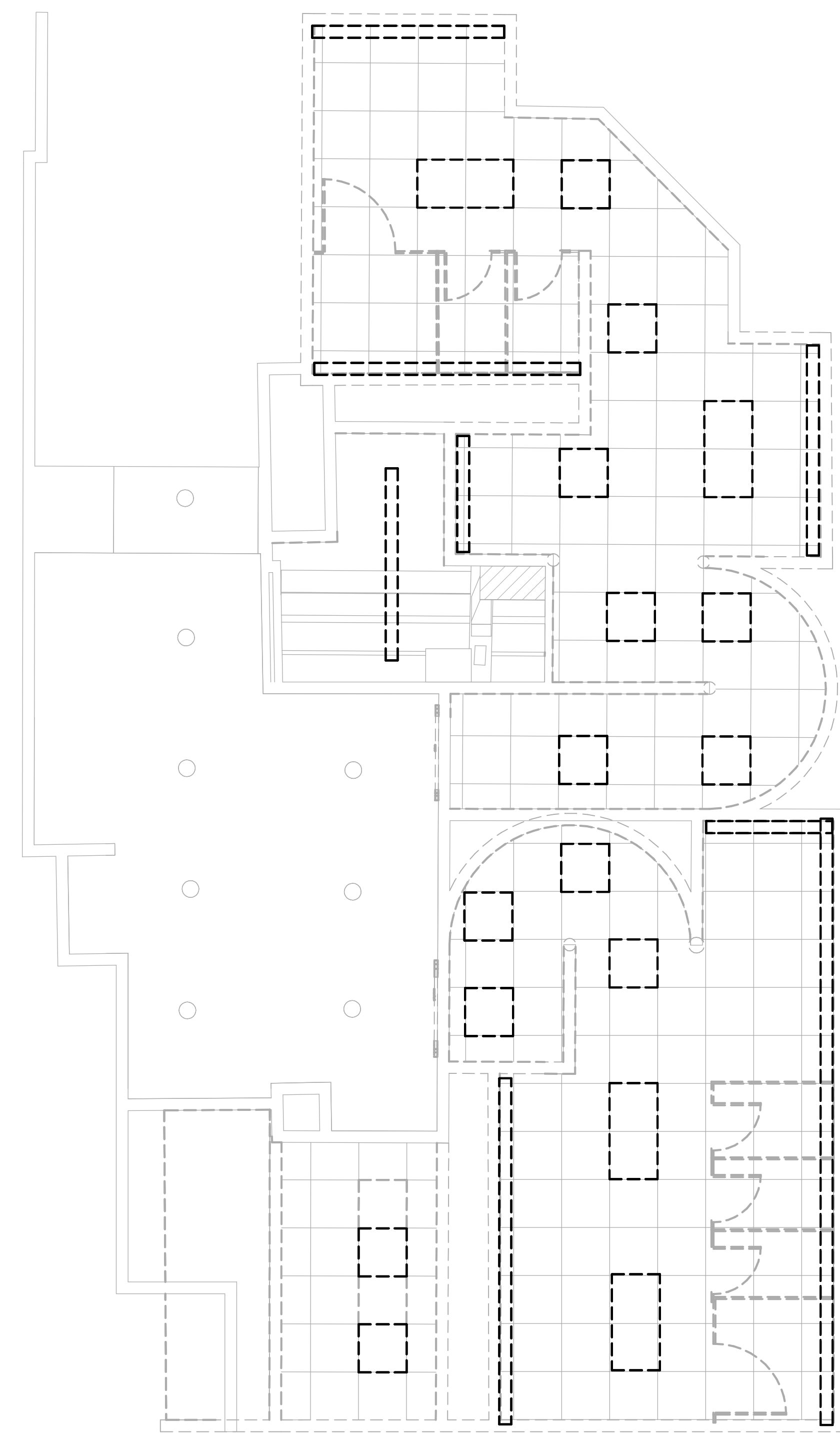
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:

PLOT DATE:



1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 9 & 10  
1/4" = 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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



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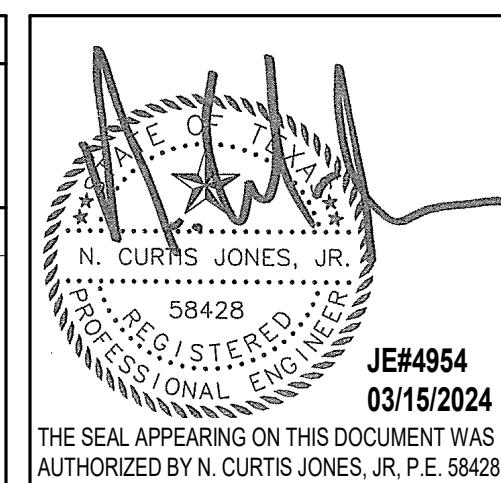
**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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CHECKED BY: JE  
ISSUE DATE: 03.15.24  
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APPROVAL DATE: 03.15.24

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SHEET NAME:  
ELECTRICAL LIGHTING DEMO ENLARGED  
PLAN - RR 9 & 10  
SHEET No. ELD4.67 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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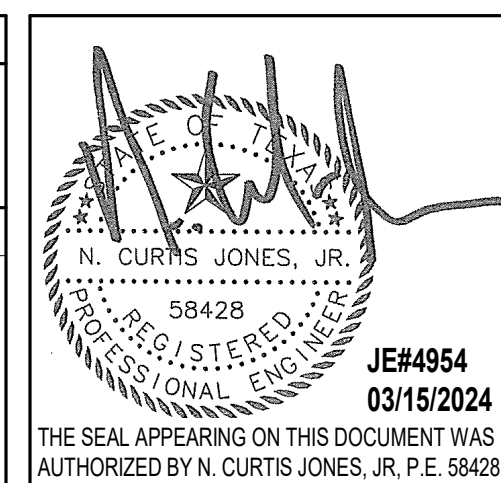
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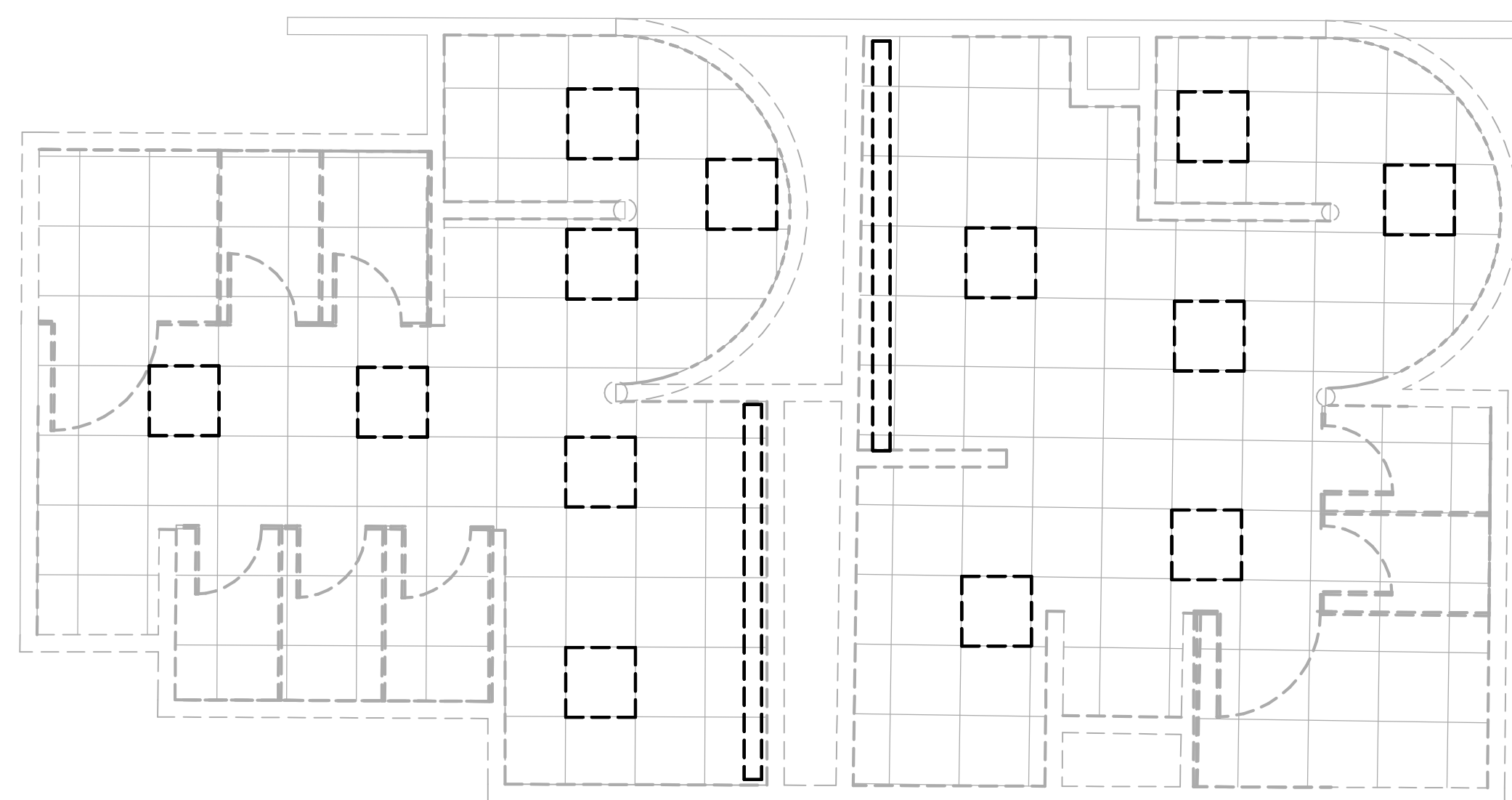


SHEET NAME:  
ELECTRICAL LIGHTING DEMO ENLARGED  
PLAN - RR 11 & 12  
SHEET No. ELD4.71 SCALE: 1/4" = 1'-0"

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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



**1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 11 & 12**  
1/4" = 1'-0"

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

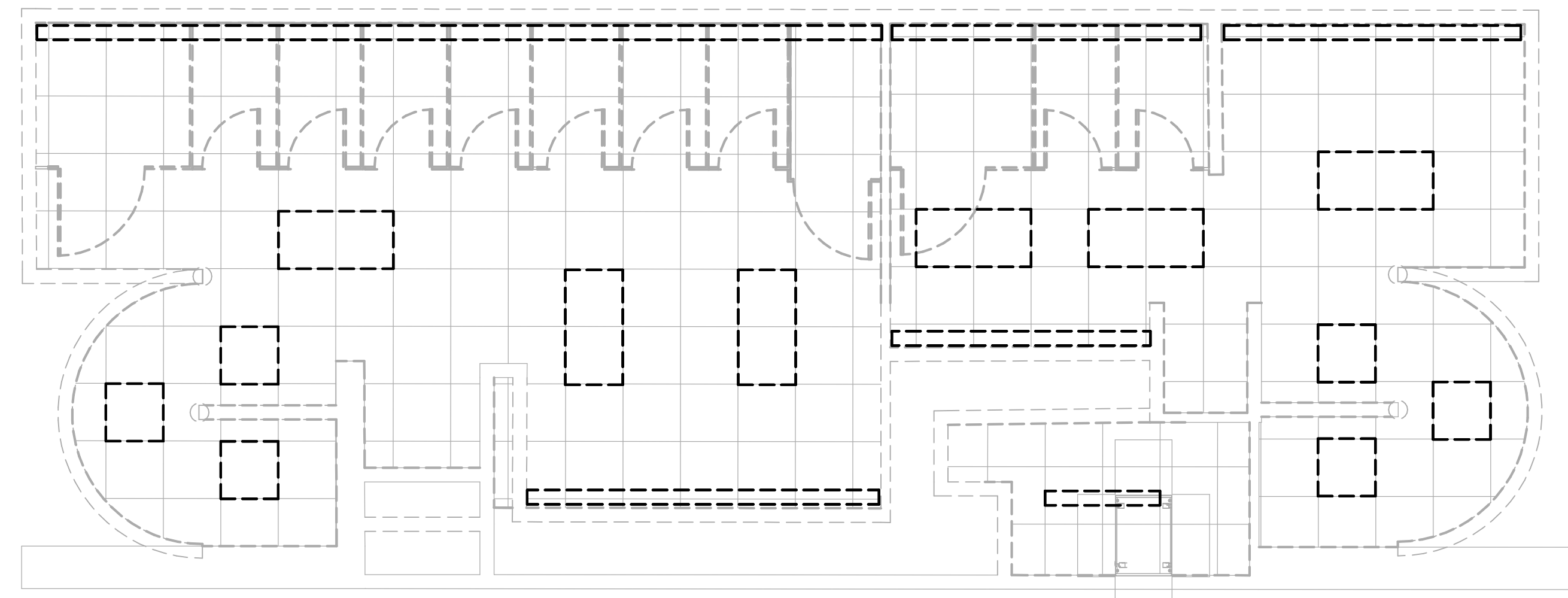
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PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

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HAS FILE:



1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 13 & 14  
1/4" = 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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



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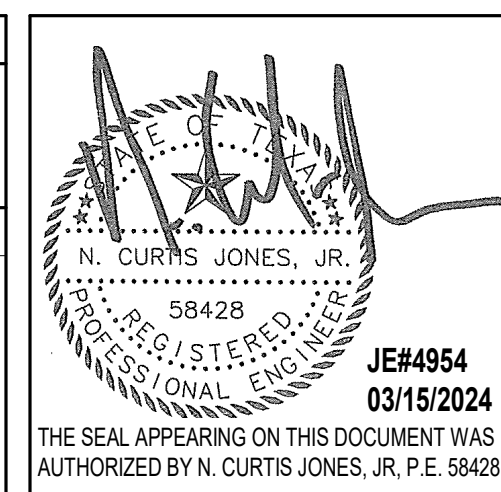
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SHEET NAME:  
ELECTRICAL LIGHTING DEMO ENLARGED  
PLAN - RR 13 & 14  
SHEET No. ELD4.73 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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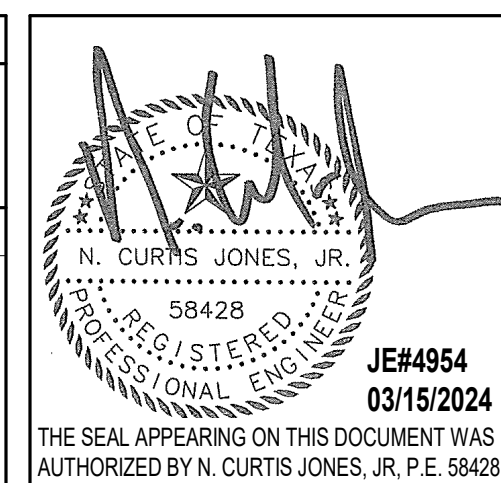
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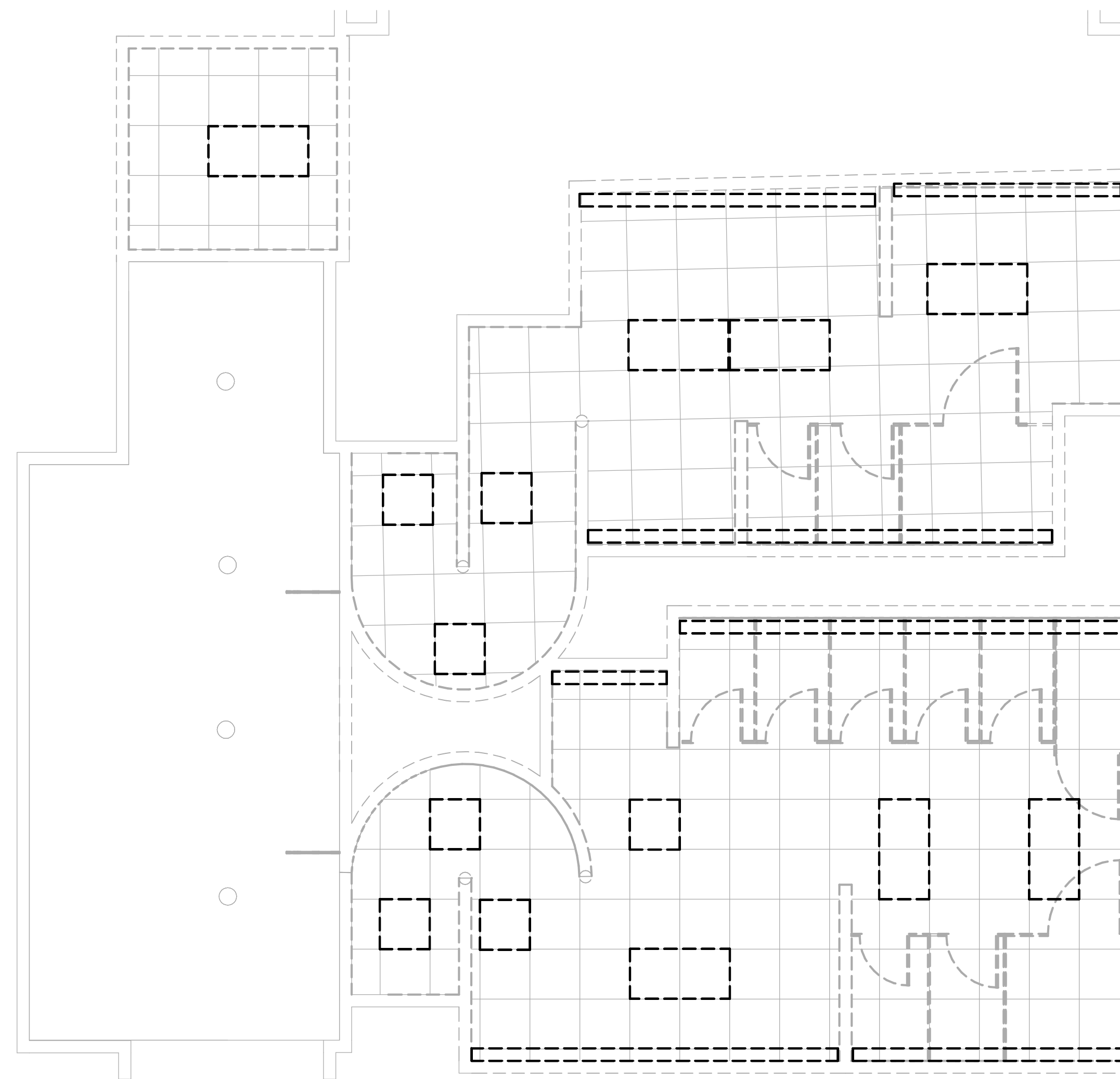


SHEET NAME:  
ELECTRICAL LIGHTING DEMO ENLARGED  
PLAN - RR 15 & 16  
SHEET No. ELD4.75 SCALE: 1/4" = 1'-0"

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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



**1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 15 & 16**  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
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PLOT DATE:  
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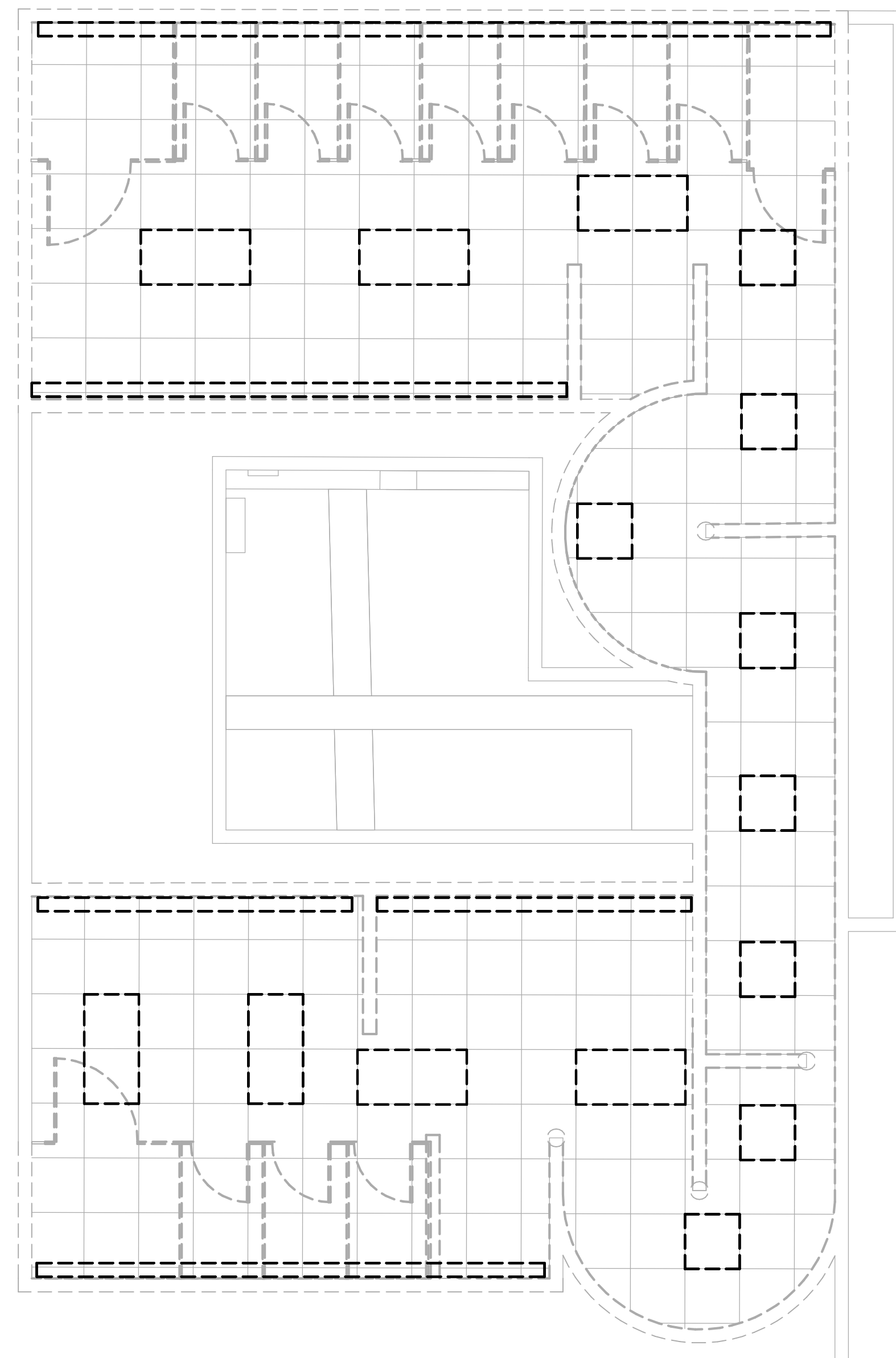
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 ELECTRICAL LIGHTING DEMO ENLARGED PLAN - RR 17 & 18  
1/4" = 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. REMOVE ALL LIGHT SWITCHES. REFER TO LIGHTING PLANS FOR NEW LAYOUT.
2. ALL LIGHT SWITCHES TO BE REMOVED.
3. ALL LOW VOLTAGE LIGHTING CONTROLS TO BE REMOVED.



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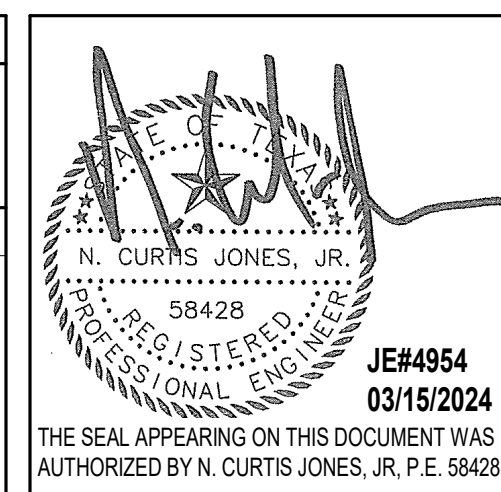
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SHEET NAME:  
 ELECTRICAL LIGHTING DEMO ENLARGED  
 PLAN - RR 17 & 18  
 SHEET No. ELD4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1





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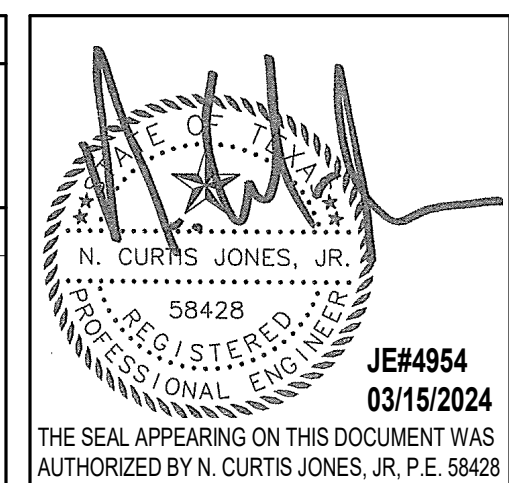
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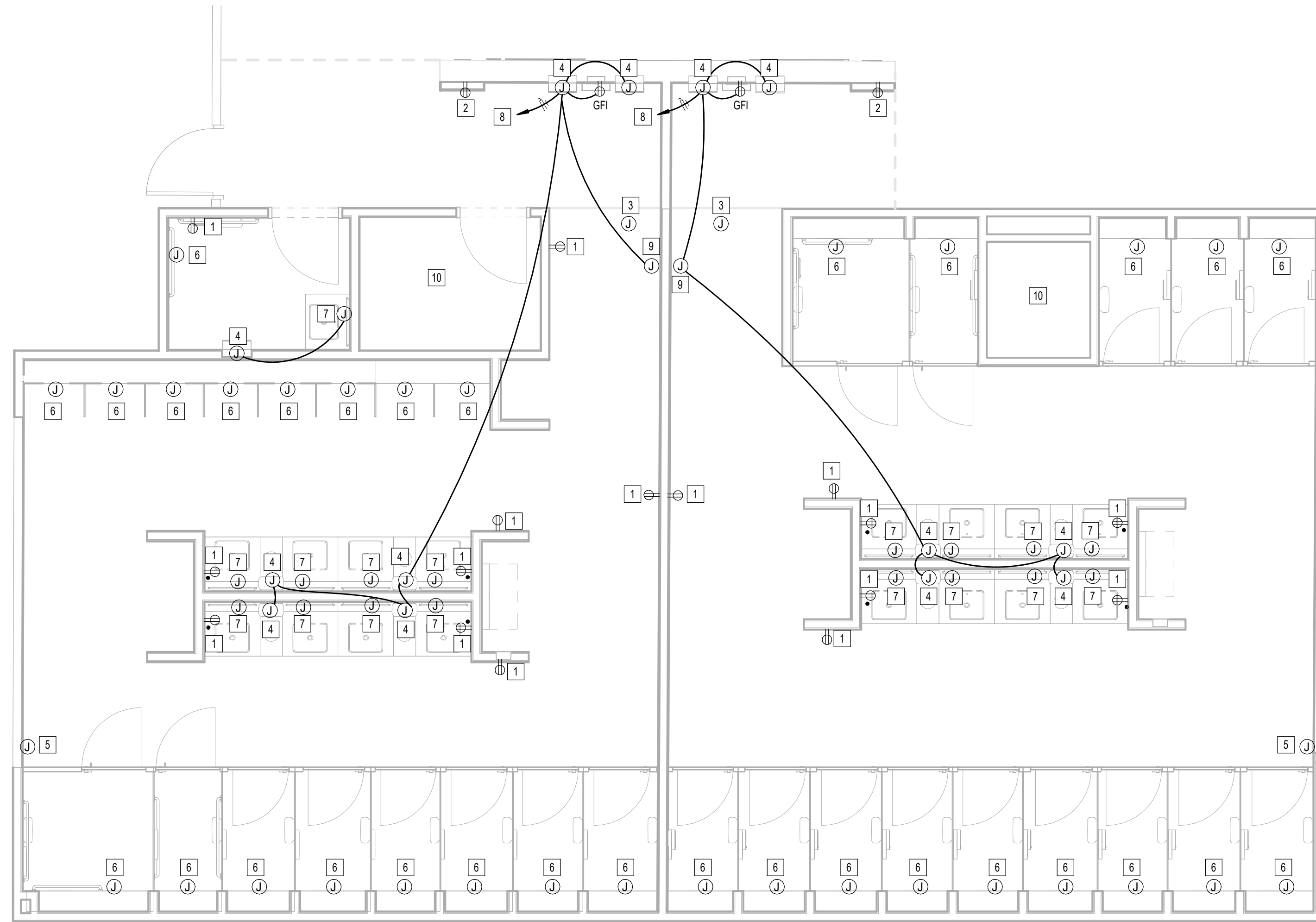
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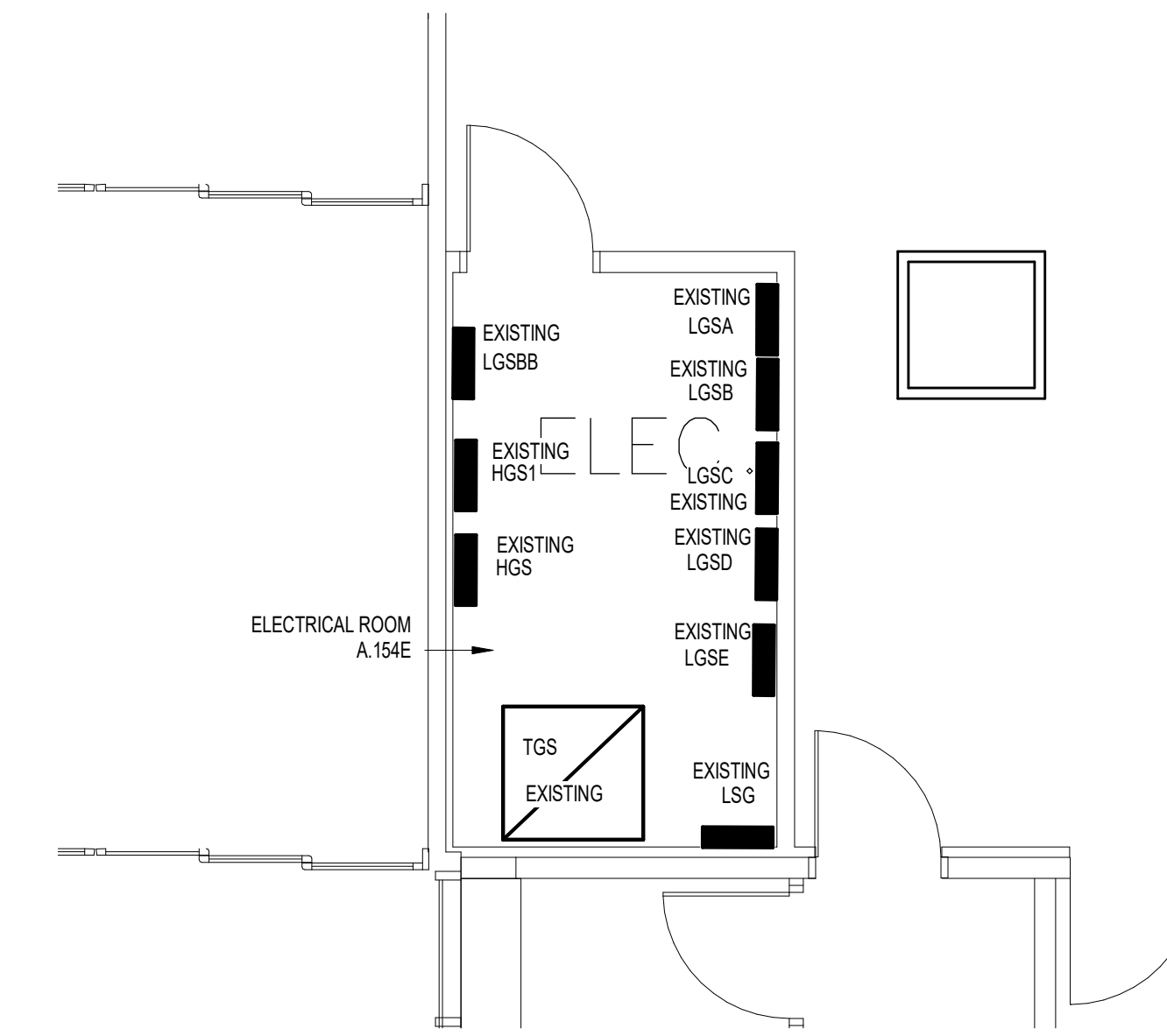
SHEET NAME:  
**ELECTRICAL POWER ENLARGED PLAN - RR 1  
& 2**

SHEET No. EP4.61 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1** ELECTRICAL POWER ENLARGED PLAN - RR 1 & 2  
1/4" = 1'-0"



**2** ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 1 & 2  
1/4" = 1'-0"

#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
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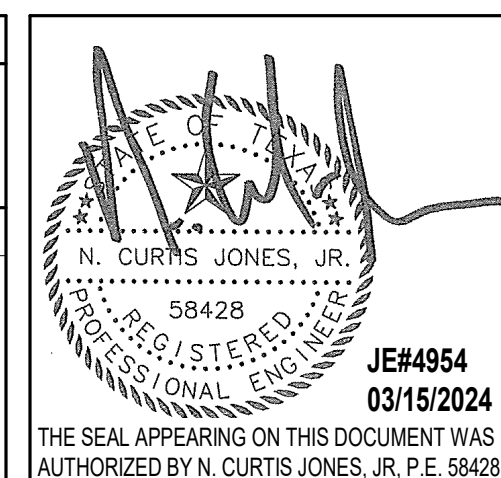
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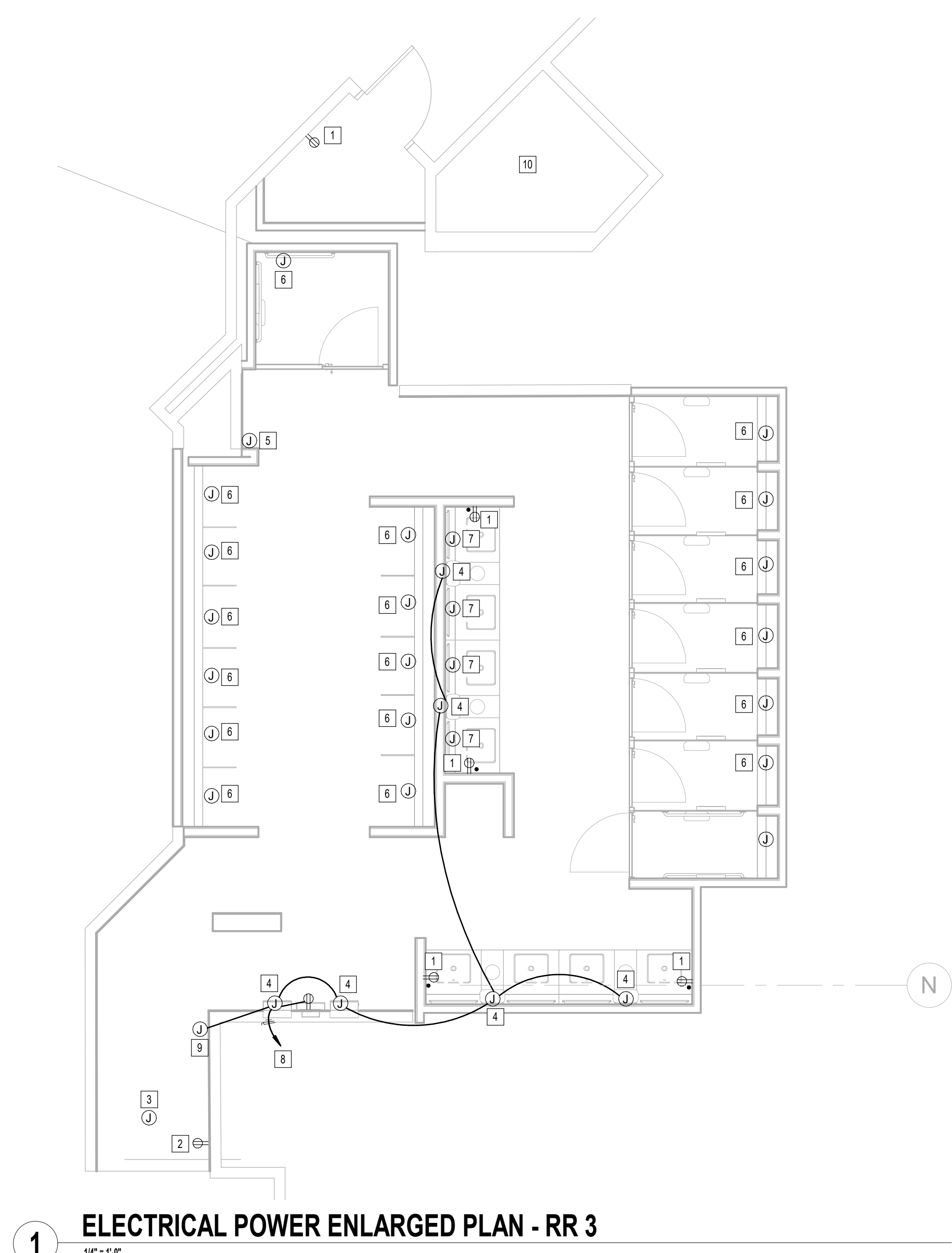


SHEET NAME:  
ELECTRICAL POWER ENLARGED PLAN - RR 3

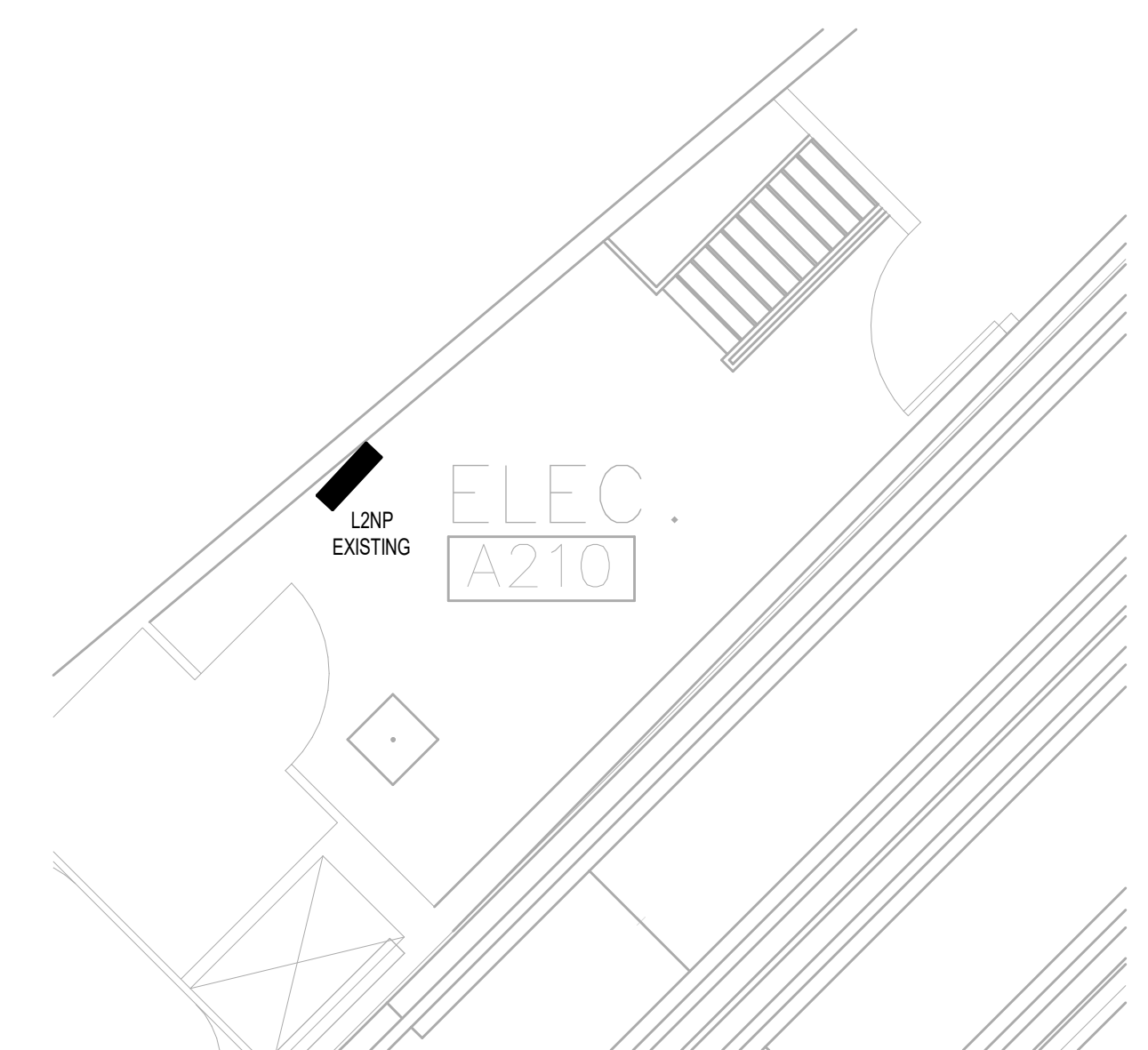
SHEET No.      EP4.63      SCALE:      1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.



**1** ELECTRICAL POWER ENLARGED PLAN - RR 3  
1/4" = 1'-0"



**2** ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 3  
1/4" = 1'-0"

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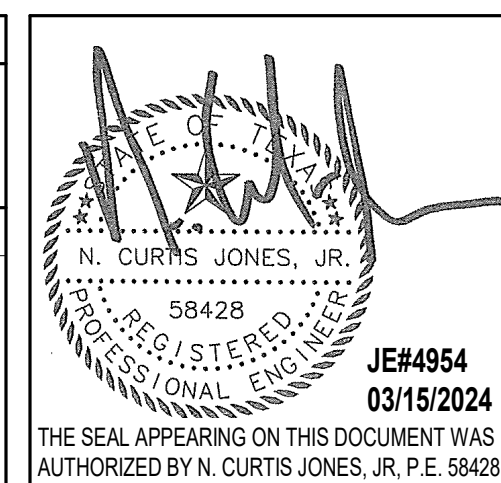
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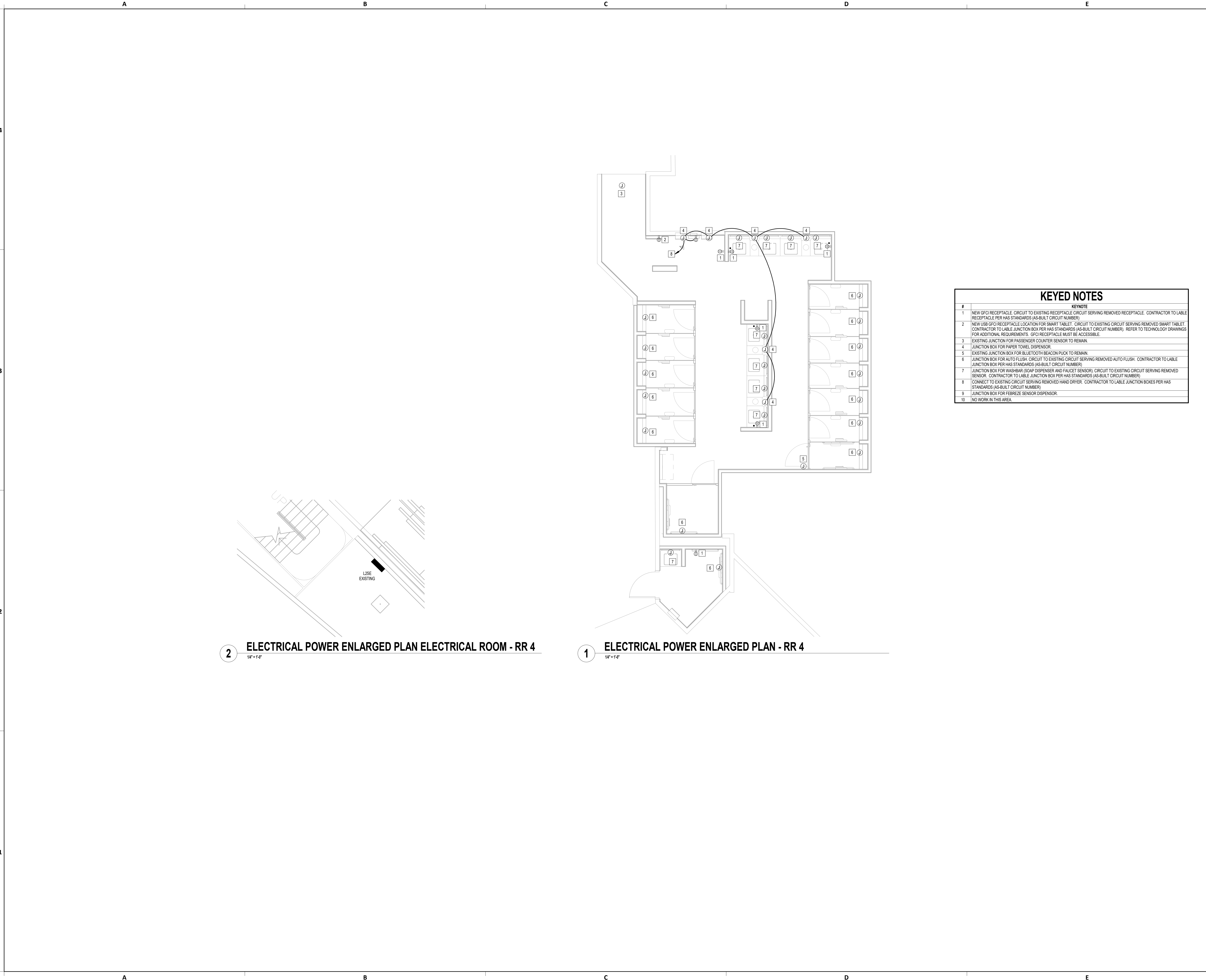
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SHEET NAME:  
ELECTRICAL POWER ENLARGED PLAN - RR 4

SHEET No. EP4.64 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.

2 ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 4  
1/4" = 1'-0"

1 ELECTRICAL POWER ENLARGED PLAN - RR 4  
1/4" = 1'-0"

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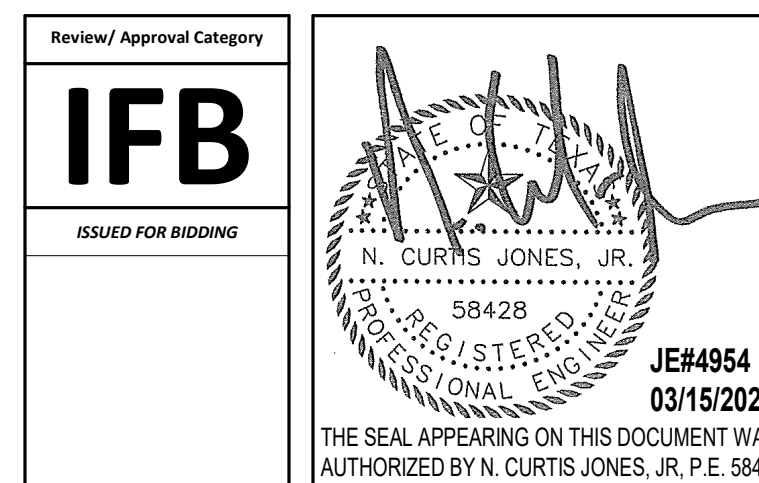
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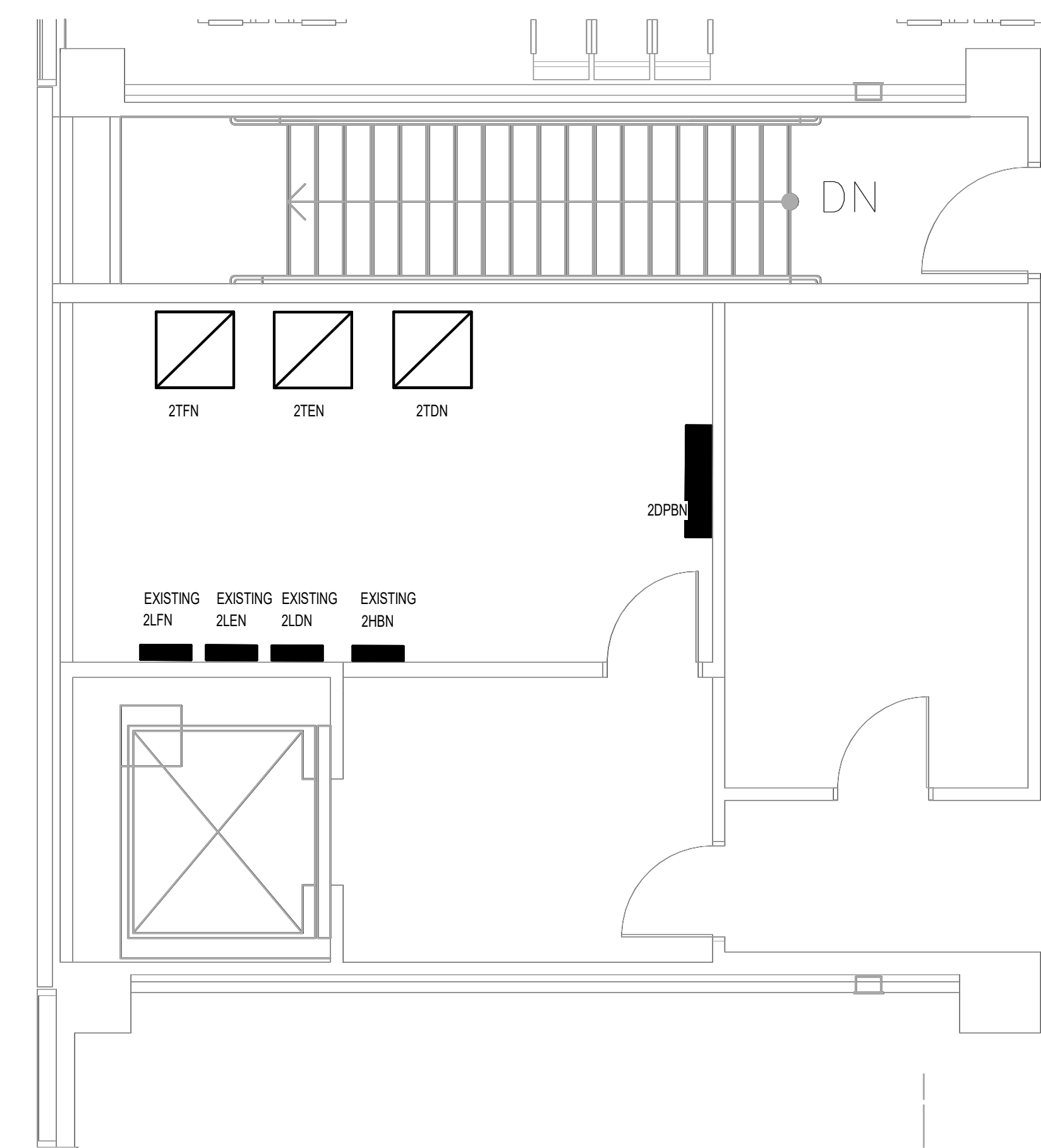
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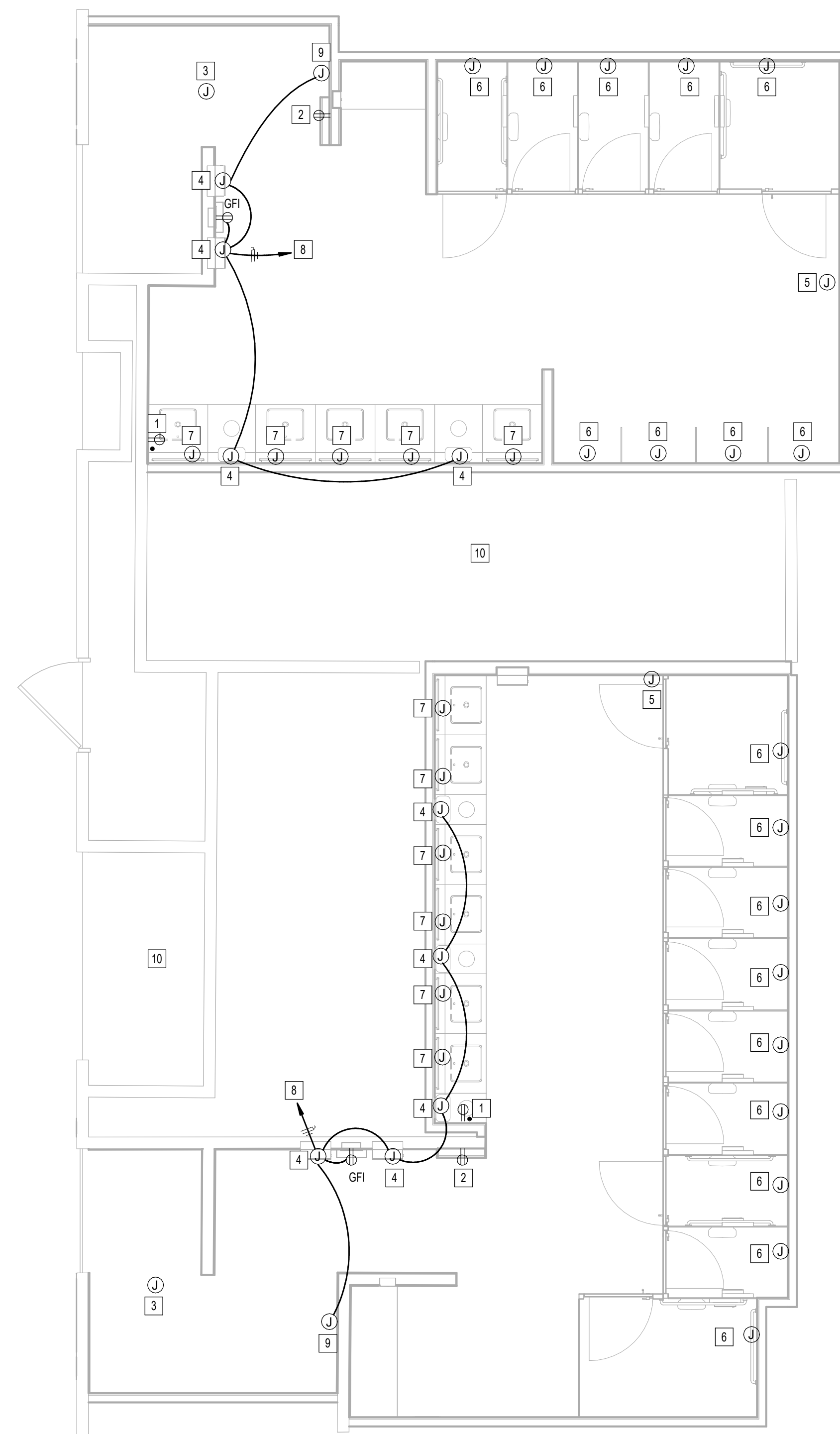
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SHEET NAME:  
ELECTRICAL POWER ENLARGED PLAN - RR 5  
& 6  
 SHEET No. EP4.65 SCALE: 1/4" = 1'-0"  
 SHEET SIZE: 30"x42" ARCH E1



**2** ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 5 & 6  
1/4" = 1'-0"



**1** ELECTRICAL POWER ENLARGED PLAN - RR 5 & 6  
1/4" = 1'-0"

#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
HAS FILE:



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DESIGNER PROJECT No.:  
PROJECT STATUS:

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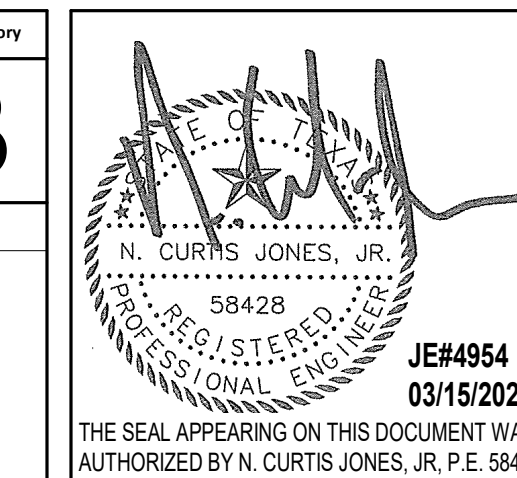
### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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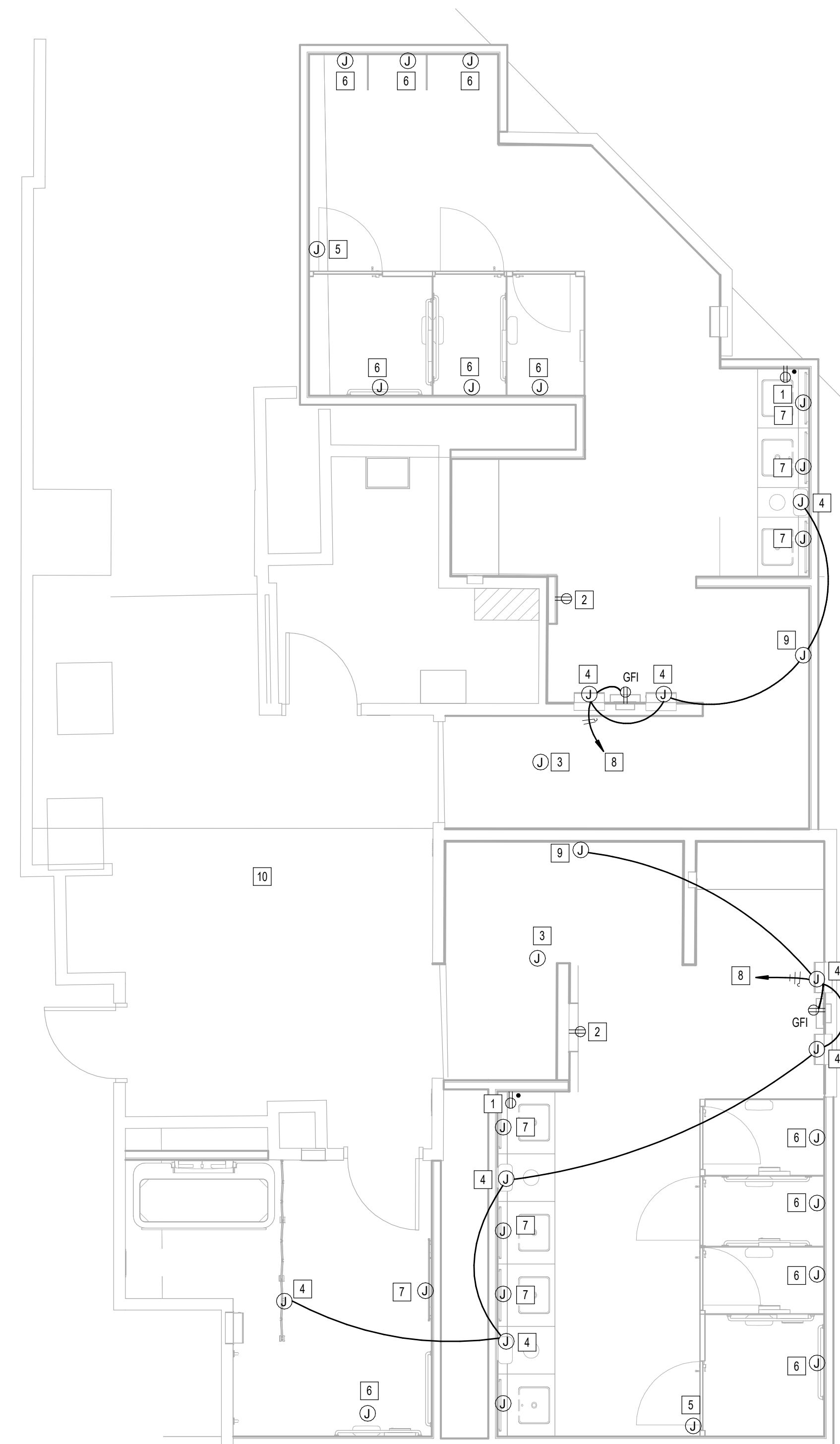
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**IFB**  
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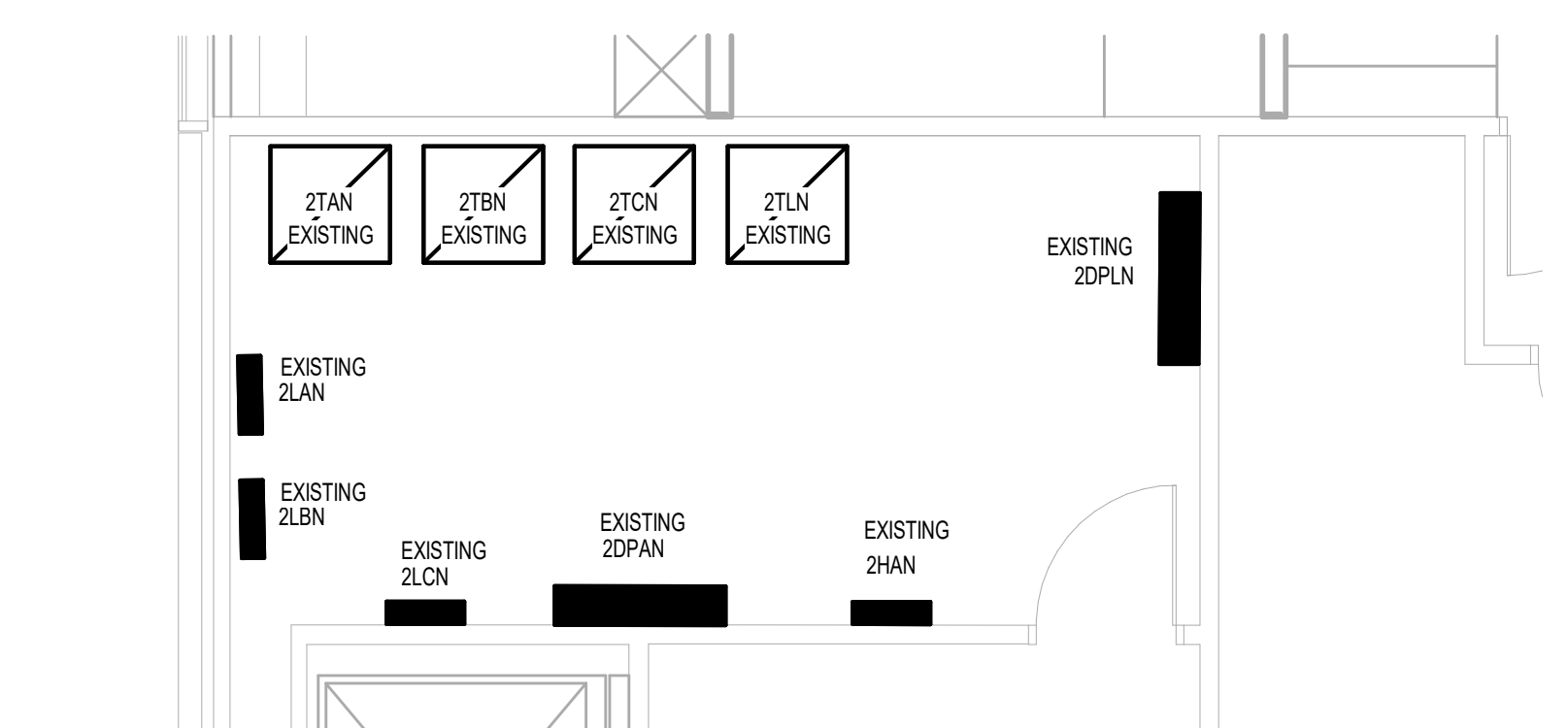
SHEET NAME:  
ELECTRICAL POWER ENLARGED PLAN - RR 9  
& 10  
SHEET No. EP4.67 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.



**1** ELECTRICAL POWER ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"



**2** ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 9 & 10  
1/4" = 1'-0"

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
HAS FILE:  
PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

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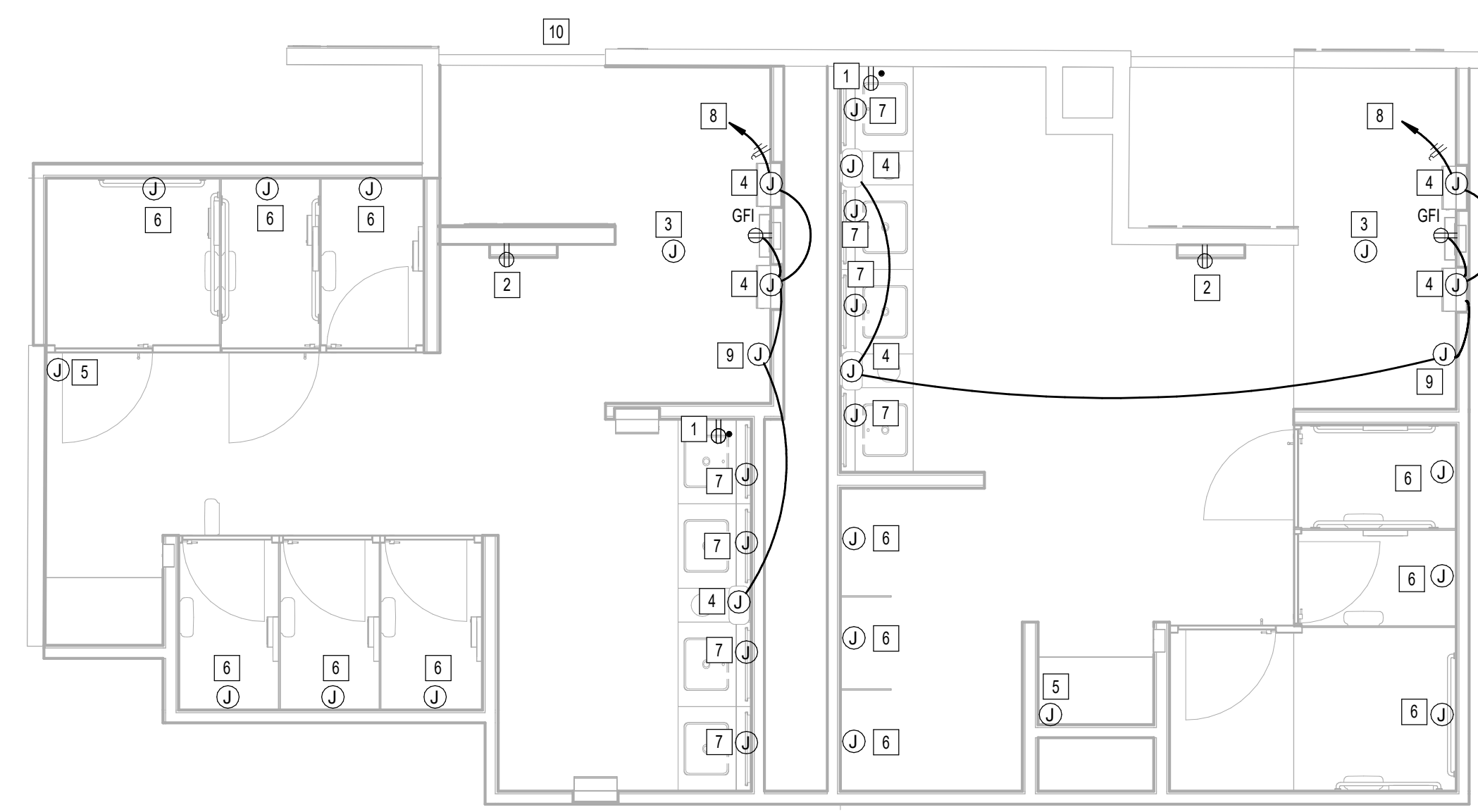
DESIGN BY:	JE
DRAWN BY:	JE
CHECKED BY:	JE
ISSUE DATE:	03.15.24
APPROVED BY:	JE
APPROVAL DATE:	03.15.24

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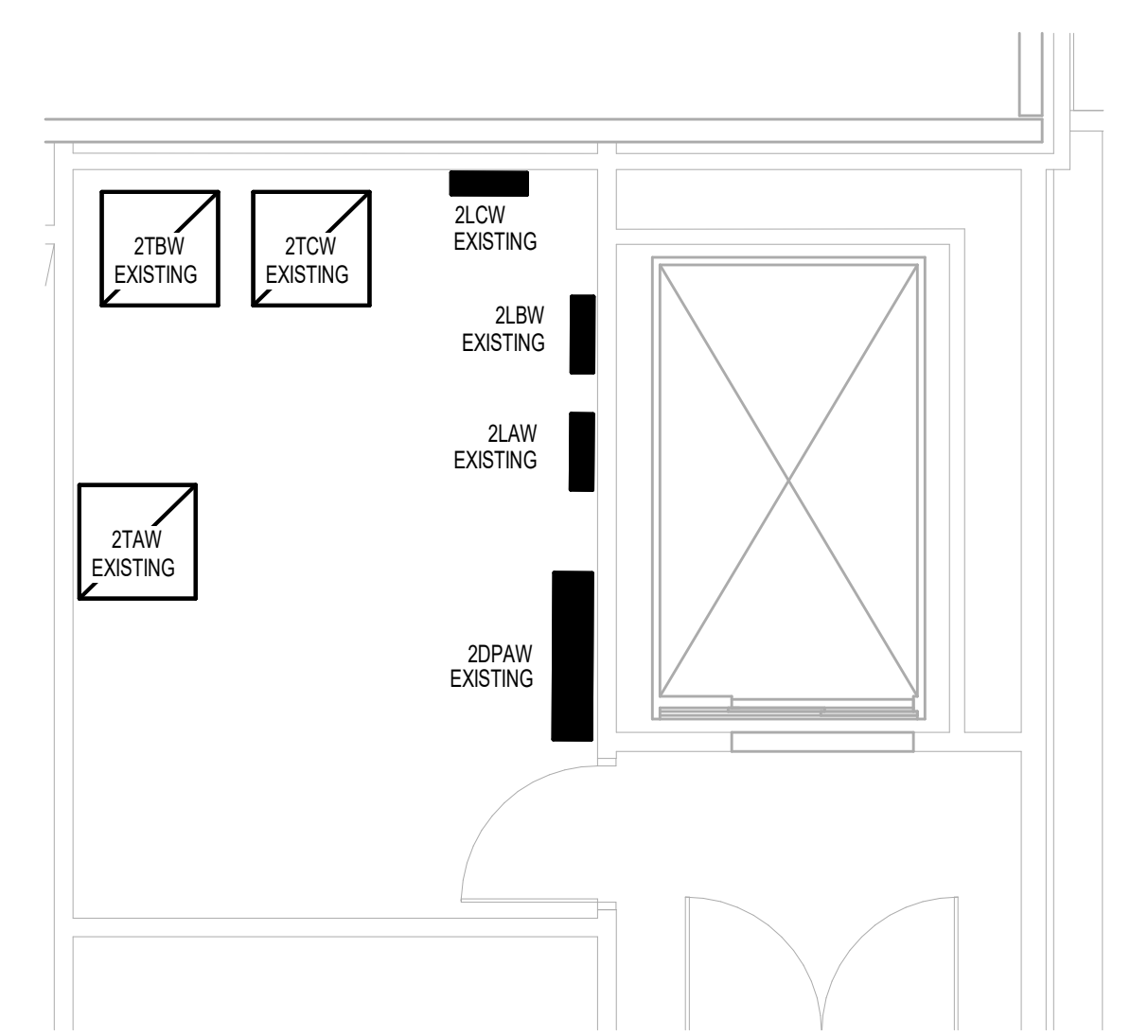
<p>Review/Approval Category</p> <p><b>IFB</b></p> <p>ISSUED FOR BIDDING</p>	<p>JE#4954 03/15/2024 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR. P.E. 58428</p>
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SHEET NAME: ELECTRICAL POWER ENLARGED PLAN - RR 11 & 12	
SHEET No.:	EP4.71
SCALE:	1/4" = 1'-0"

#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.



**1 ELECTRICAL POWER ENLARGED PLAN - RR 11 & 12**  
1/4" = 1'-0"



**2 ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 11 & 12**  
1/4" = 1'-0"

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HAS FILE:  
PLOT DATE:  
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No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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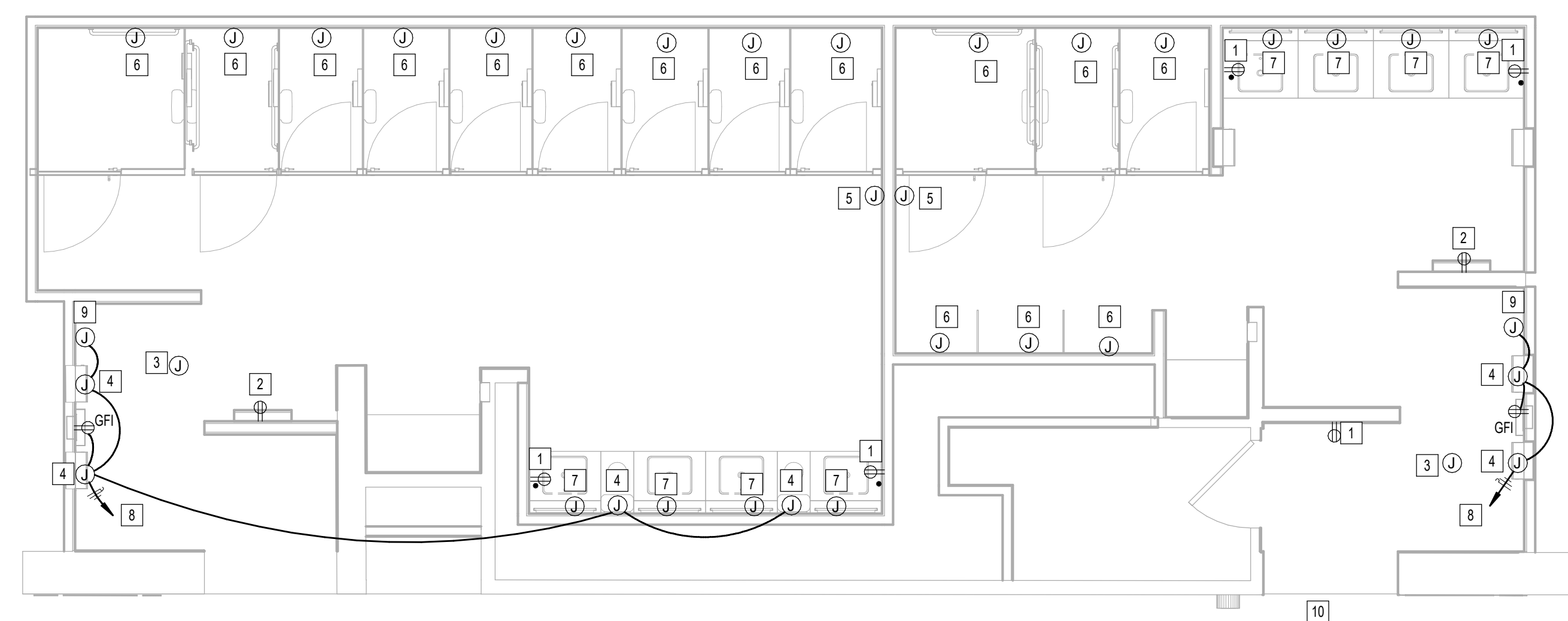
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03/15/2024  
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SHEET NAME:  
ELECTRICAL POWER ENLARGED PLAN - RR 13  
& 14

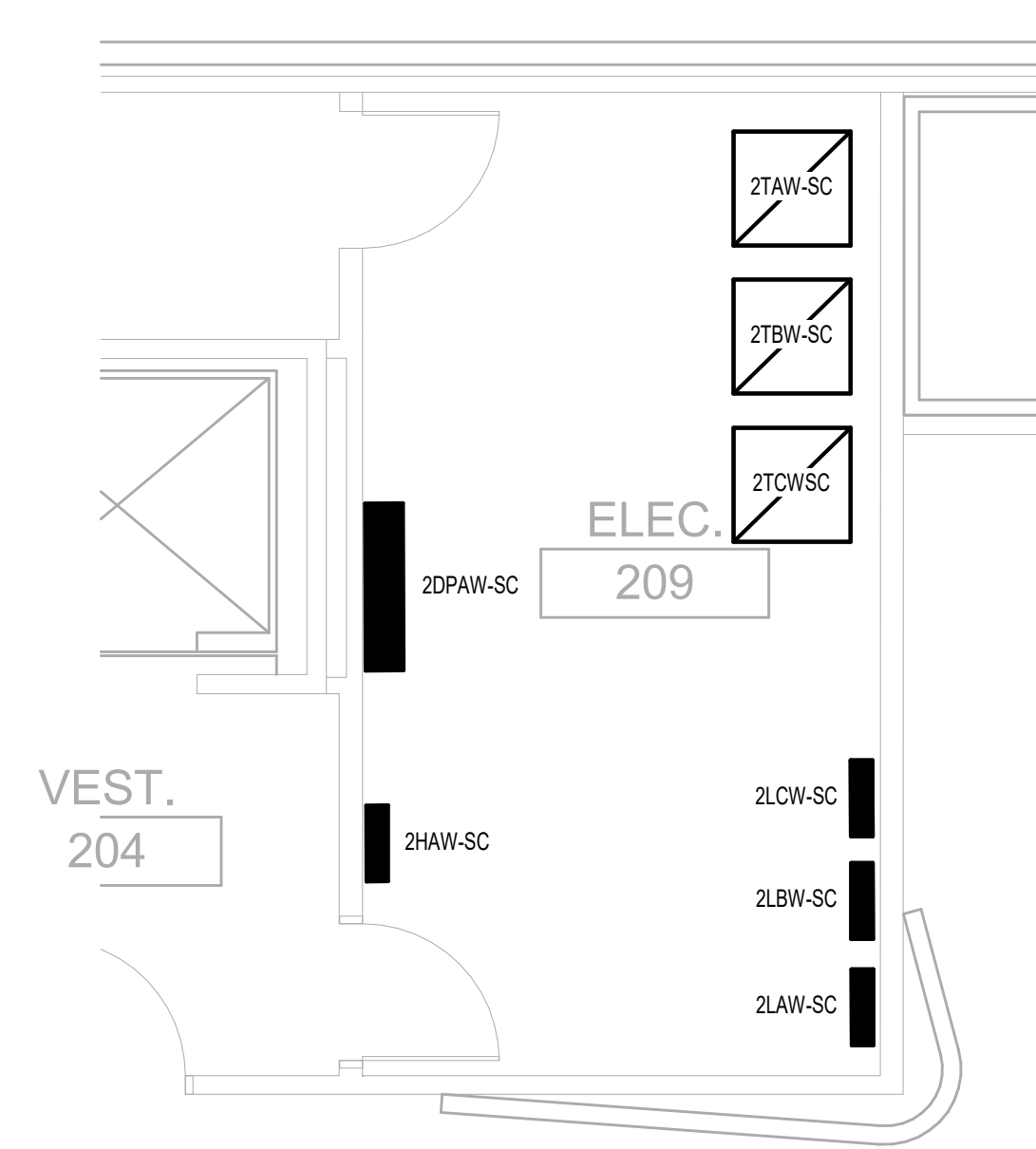
SHEET No. EP4.73 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSER.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSER.
10	NO WORK IN THIS AREA.

1 ELECTRICAL POWER ENLARGED PLAN - RR 13 & 14  
1/4" = 1'-0"



2 ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 13 & 14  
1/4" = 1'-0"

PLOT DATE: DOA DWG FILE: PLOT DATE: HAS FILE: FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
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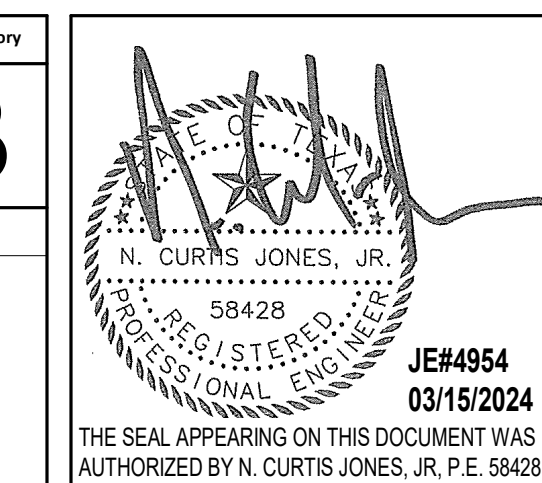
### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

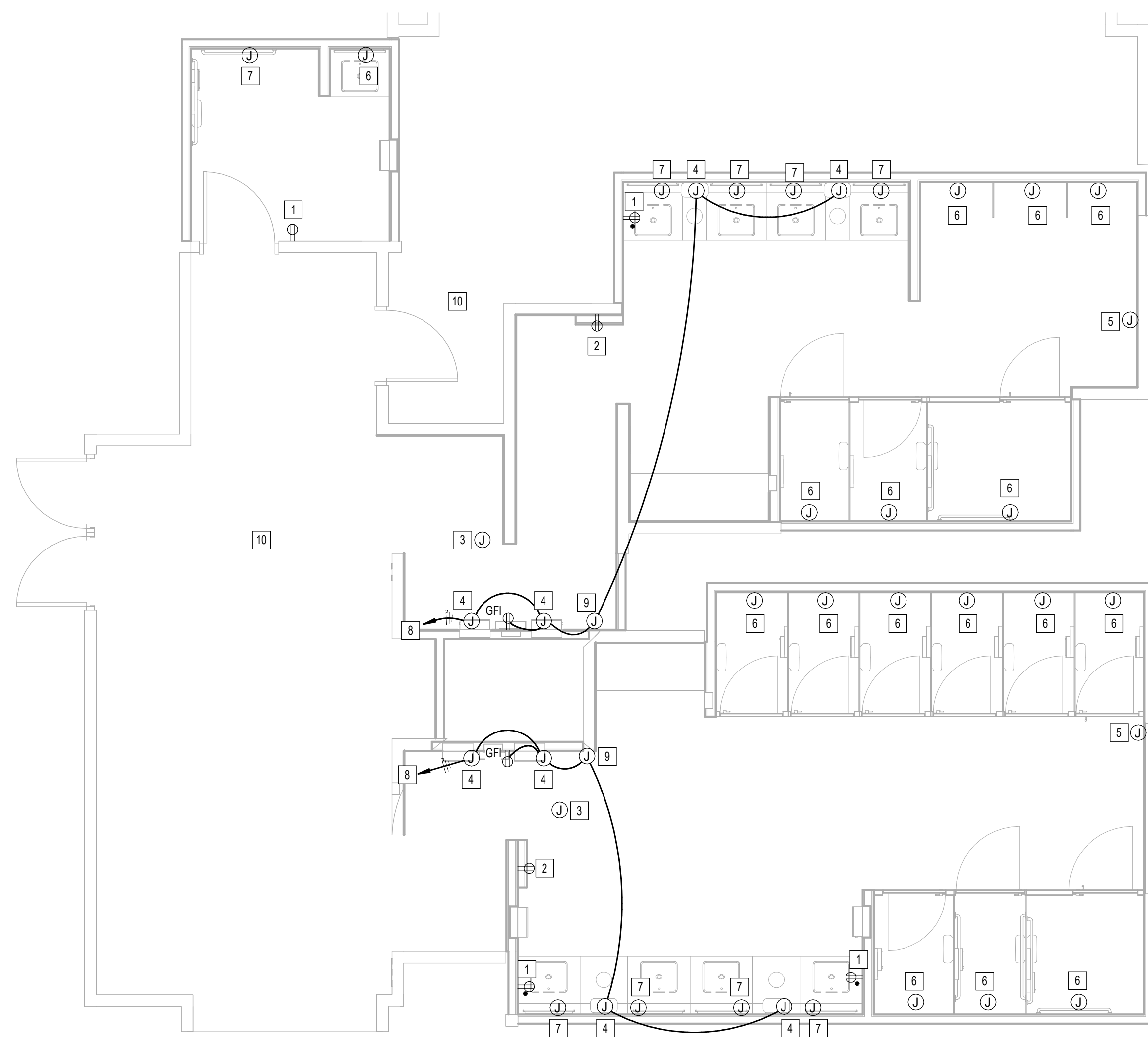
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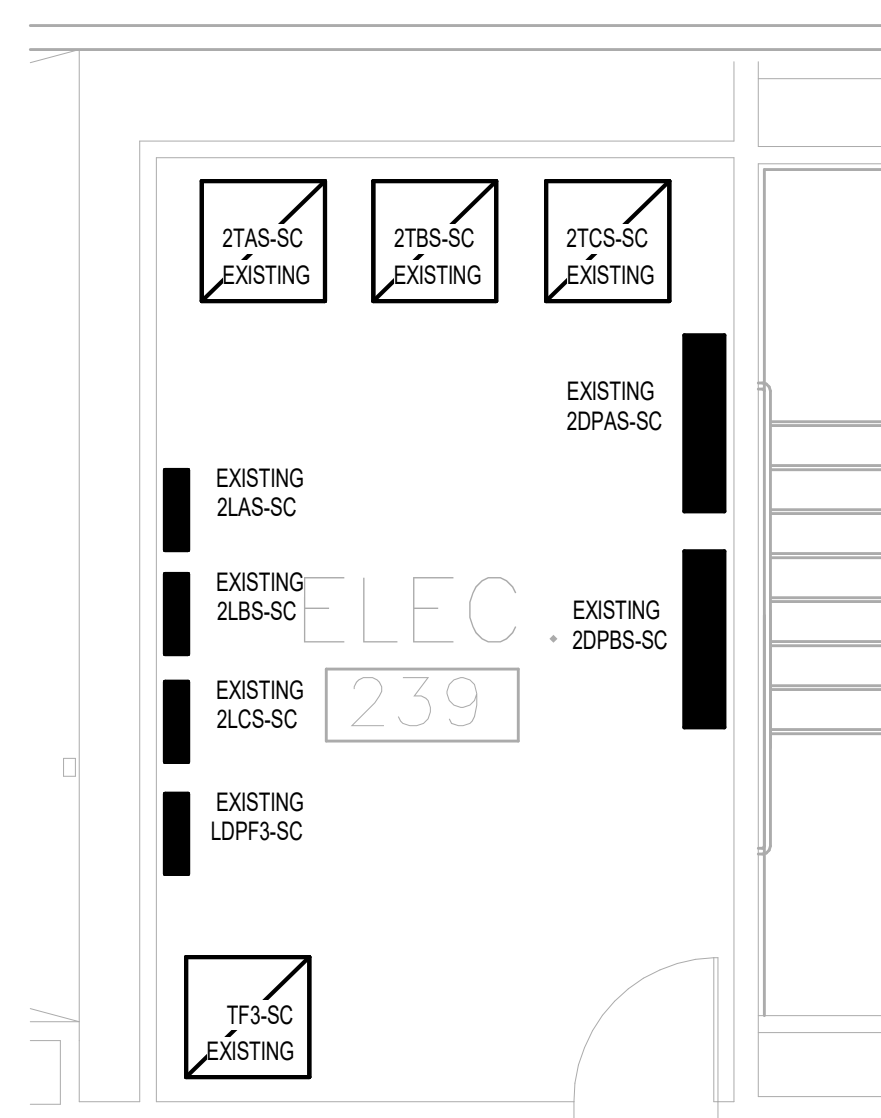
SHEET NAME:  
ELECTRICAL POWER ENLARGED PLAN - RR 15  
& 16  
SHEET No. EP4.75 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.

**1** ELECTRICAL POWER ENLARGED PLAN - RR 15 & 16  
1/4" = 1'-0"



**2** ELECTRICAL POWER ENLARGED PLAN ELECTRICAL ROOM - RR 15 & 16  
1/4" = 1'-0"

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

PLOT DATE:  
DOA DWG FILE:  
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PLOT DATE:





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PROJECT STATUS: **IFB**

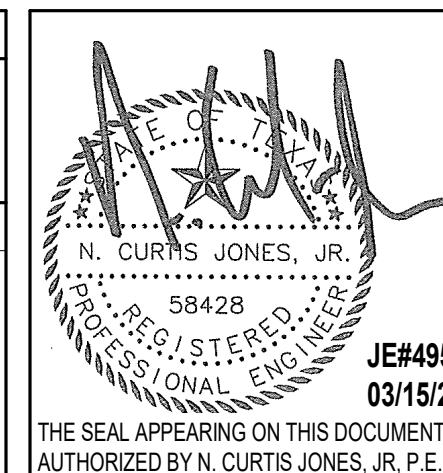
### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
 DRAWN BY: JE  
 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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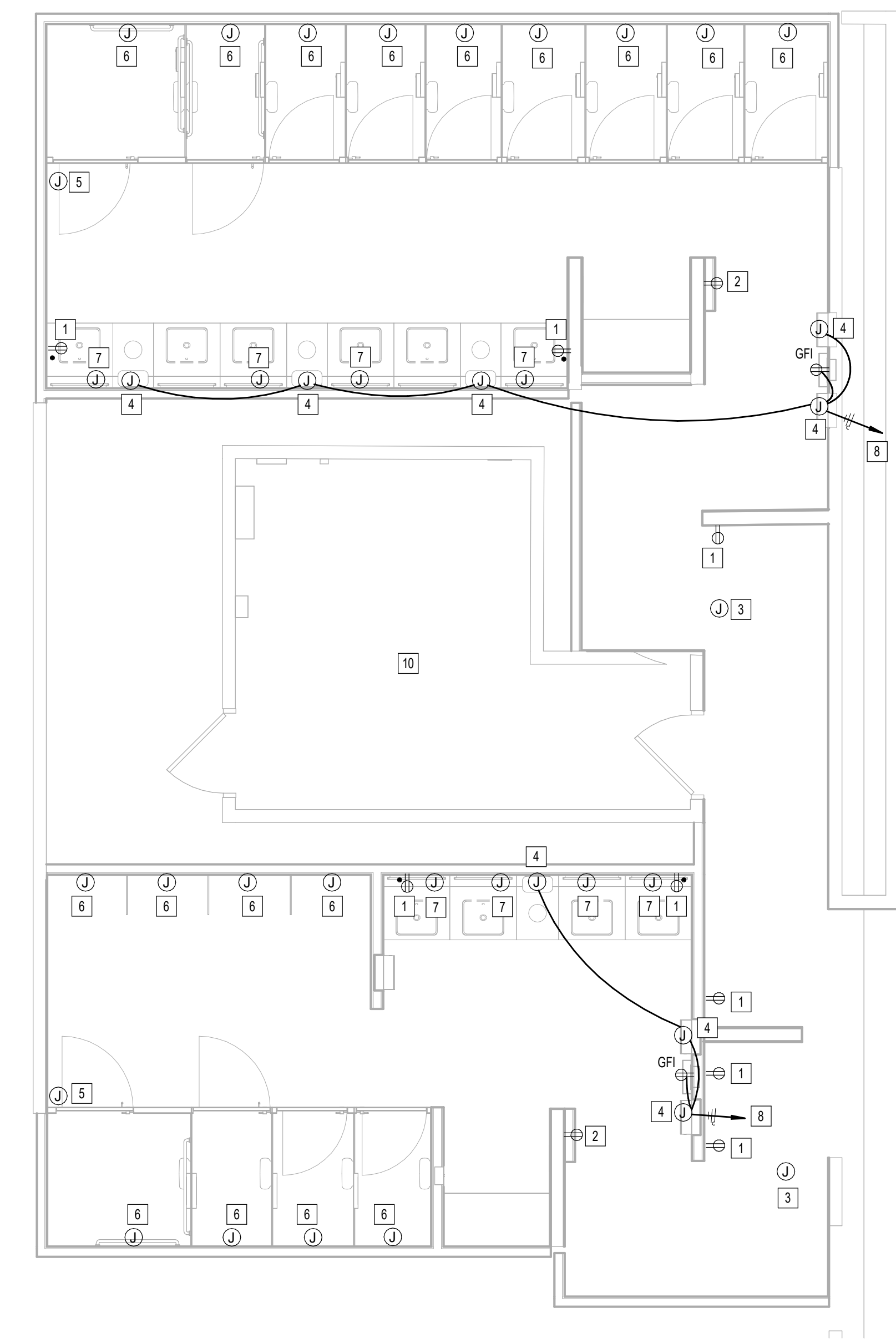
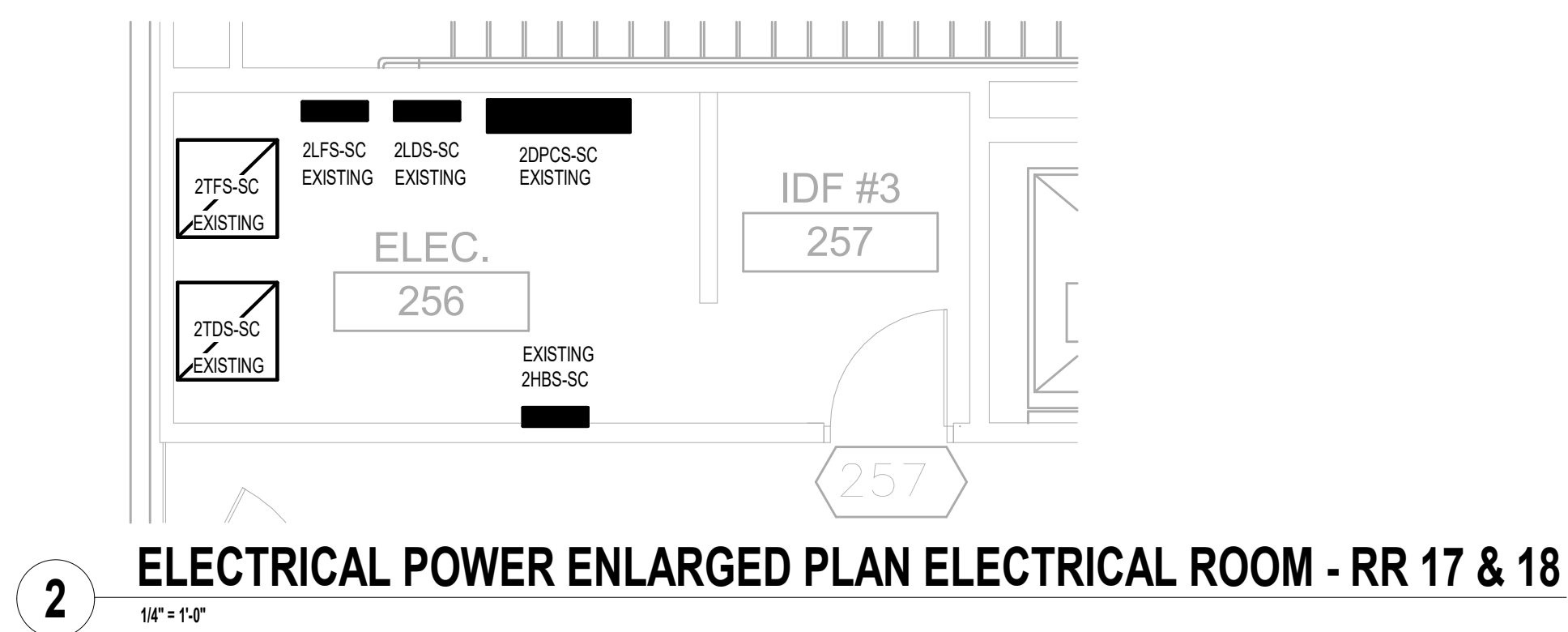
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SHEET NAME:  
ELECTRICAL POWER ENLARGED PLAN - RR 17  
& 18  
SHEET No. EP4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

A B C D E



#	KEYNOTE
1	NEW GFCI RECEPTACLE. CIRCUIT TO EXISTING RECEPTACLE CIRCUIT SERVING REMOVED RECEPTACLE. CONTRACTOR TO LABEL RECEPTACLE PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
2	NEW USB GFCI RECEPTACLE LOCATION FOR SMART TABLET. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SMART TABLET. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER). REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS. GFCI RECEPTACLE MUST BE ACCESSIBLE.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	JUNCTION BOX FOR PAPER TOWEL DISPENSOR.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PLUG TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED AUTO FLUSH. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
7	JUNCTION BOX FOR WASHBAR (SOAP DISPENSER AND FAUCET SENSOR). CIRCUIT TO EXISTING CIRCUIT SERVING REMOVED SENSOR. CONTRACTOR TO LABEL JUNCTION BOX PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
8	CONNECT TO EXISTING CIRCUIT SERVING REMOVED HAND DRYER. CONTRACTOR TO LABEL JUNCTION BOXES PER HAS STANDARDS (AS-BUILT CIRCUIT NUMBER).
9	JUNCTION BOX FOR FEBREZE SENSOR DISPENSOR.
10	NO WORK IN THIS AREA.

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
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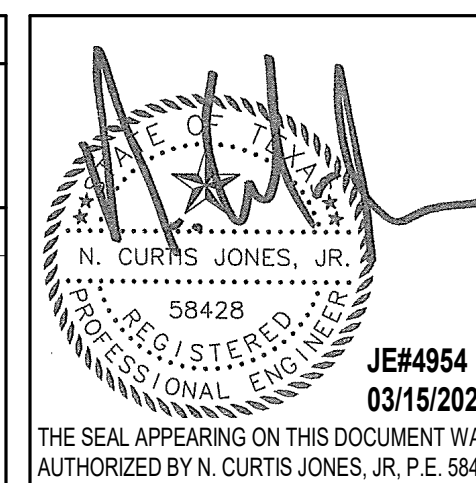
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DESIGN BY: JE  
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 CHECKED BY: JE  
 ISSUE DATE: 03.15.24  
 APPROVED BY: JE  
 APPROVAL DATE: 03.15.24

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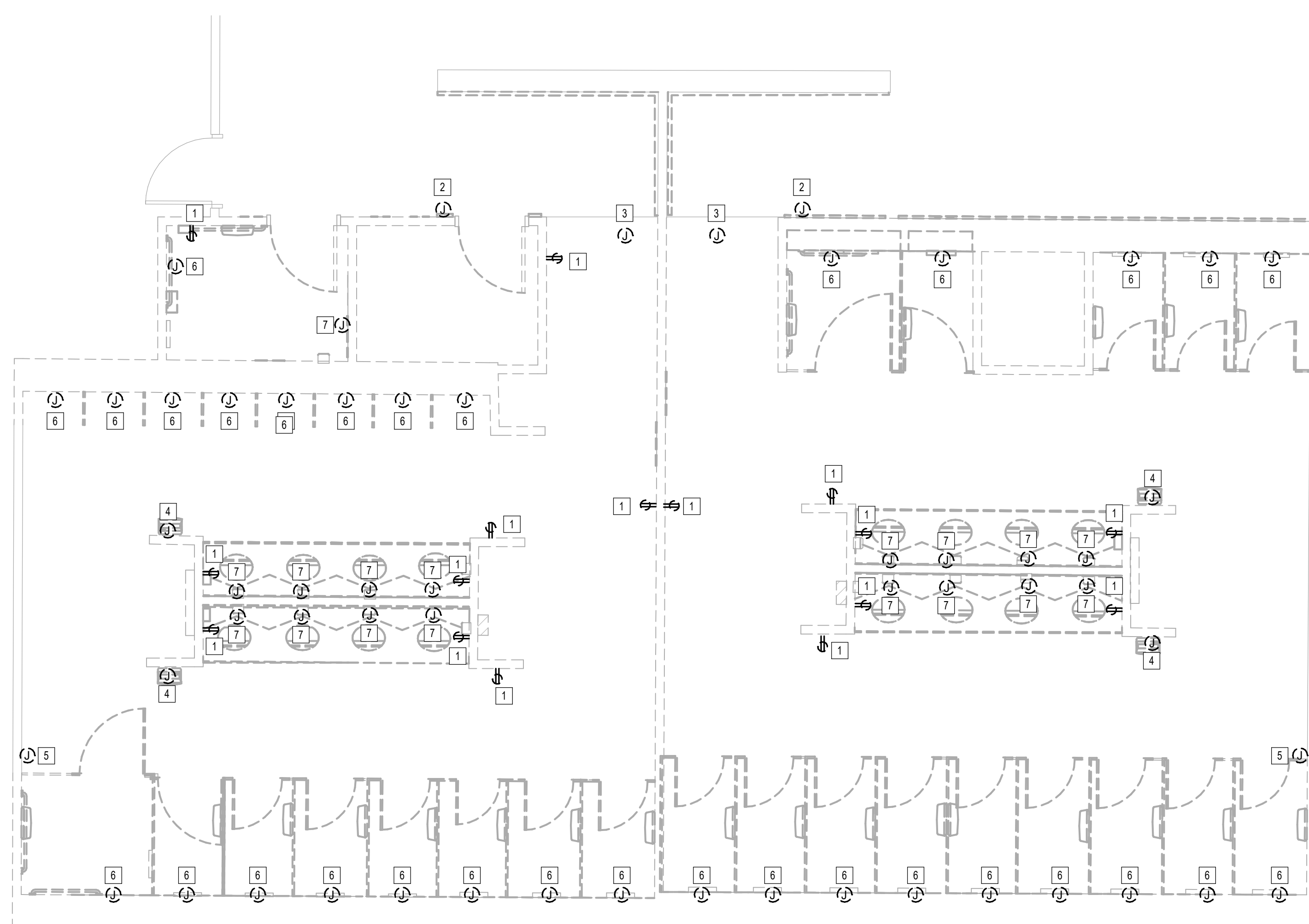
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 1 & 2

SHEET No. EPD4.61 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



1 ELECTRICAL POWER DEMO ENLARGED PLAN - RR 1 & 2  
1/4" = 1'-0"

#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLOOTHTHooth BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1425.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
HAS FILE:



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**IAH TERMINAL A - RESTROOMS  
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PROJECT STATUS: **IFB**

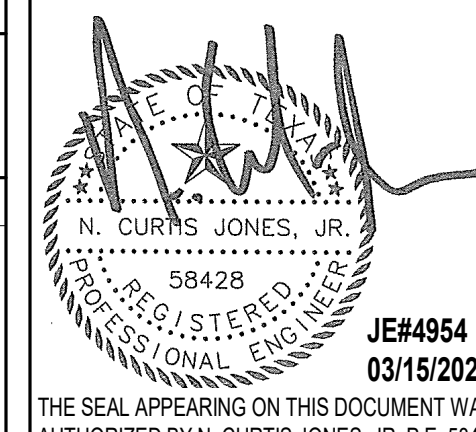
**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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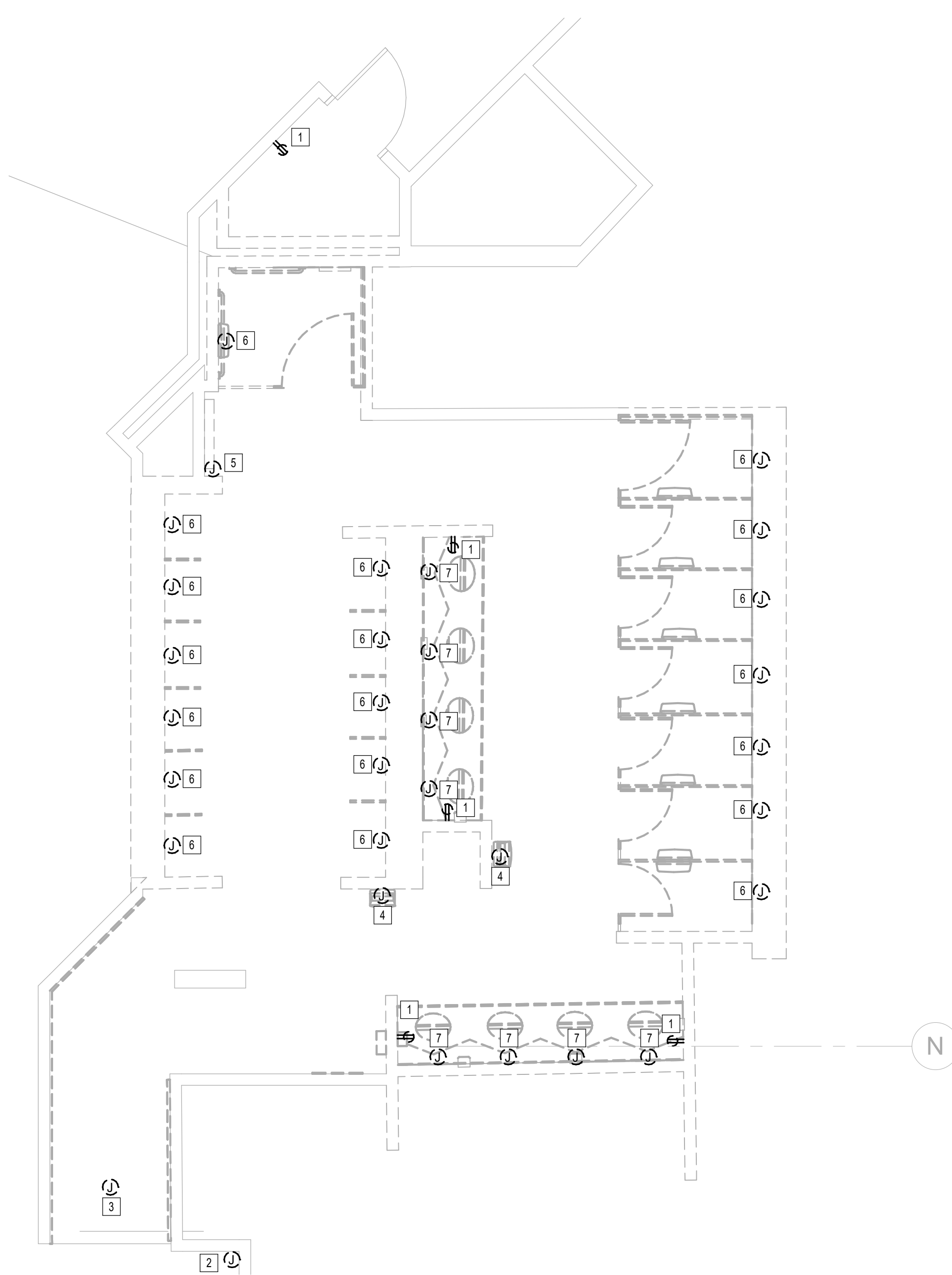
JE#4954  
03/15/2024  
THE SEAL APPEARING ON THIS DOCUMENT WAS  
AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428

SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 3

SHEET No. EPD4.63 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLOOTOOTH BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.



**1** ELECTRICAL POWER DEMO ENLARGED PLAN - RR 3  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

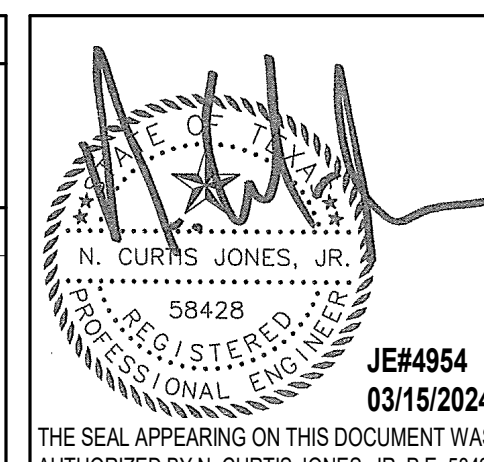
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 ISSUE DATE: 03.15.24  
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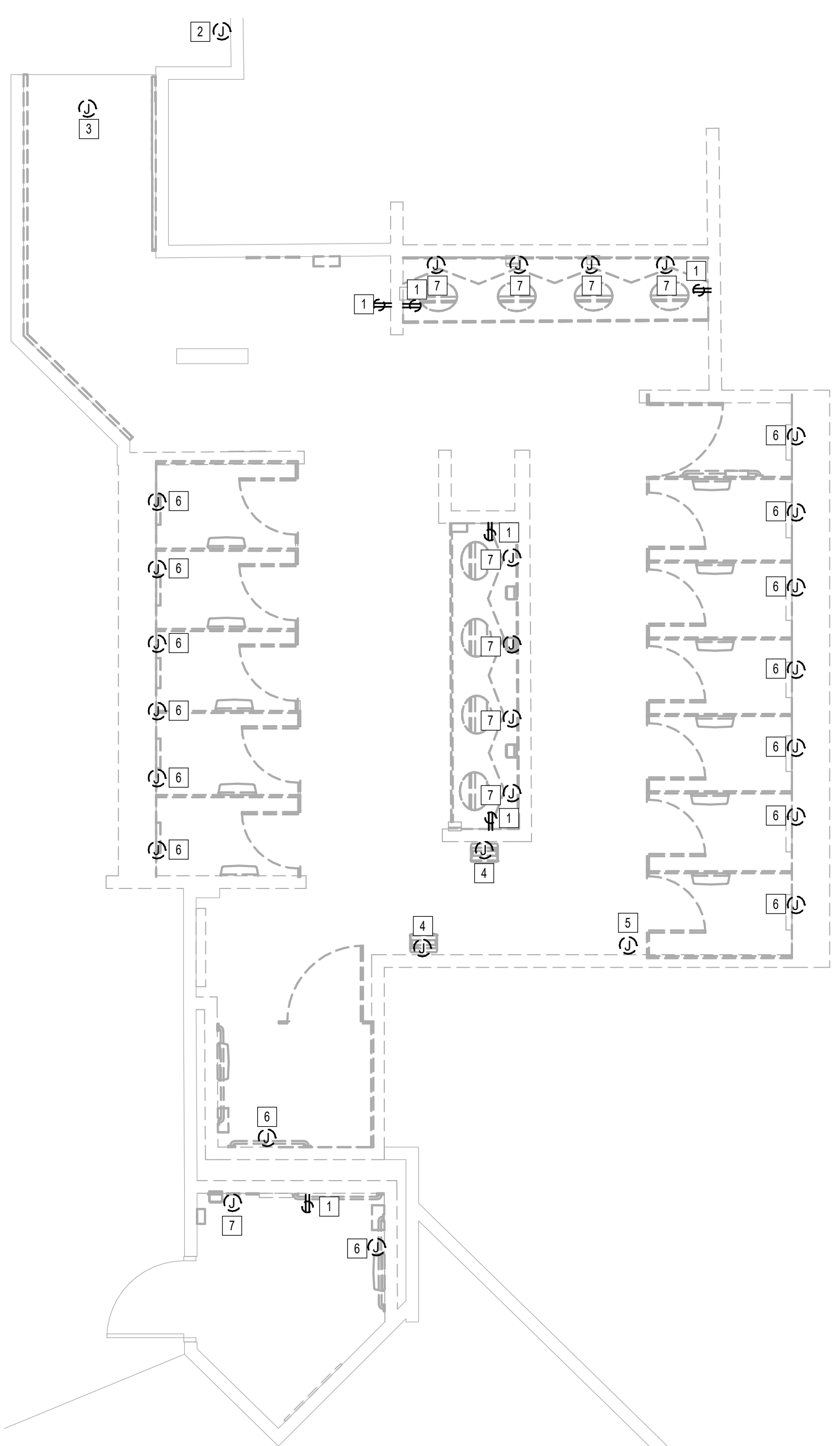
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 4  
SHEET No. EPD4.64 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1** ELECTRICAL POWER DEMO ENLARGED PLAN - RR 4  
1/4" = 1'-0"

#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLOOTOOTH BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.

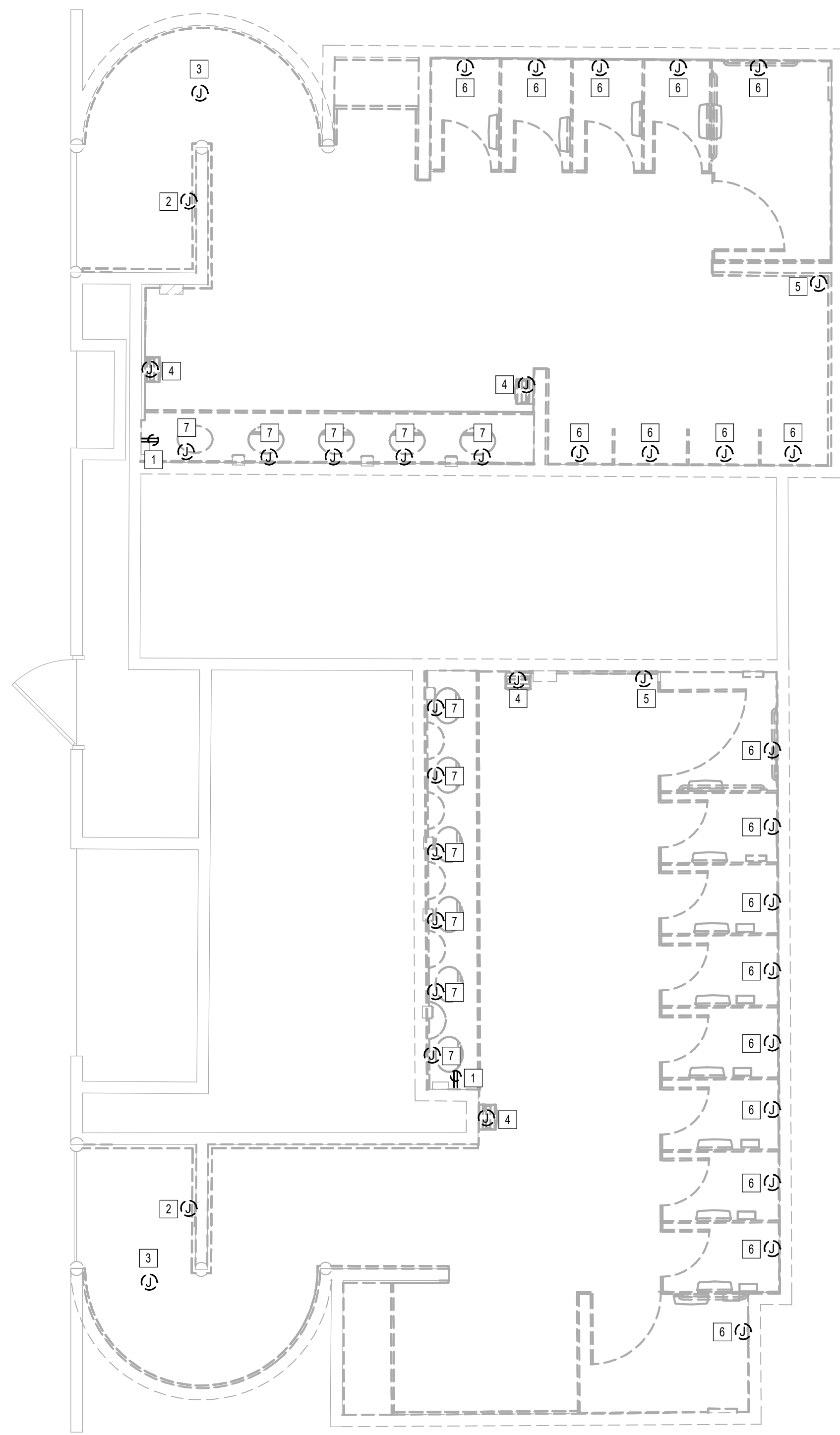
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.

**1** ELECTRICAL POWER DEMO ENLARGED PLAN - RR 5 & 6  
1/4" = 1'-0"



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

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No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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APPROVAL DATE: 03.15.24

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<p>Review/Approval Category <b>IFB</b> ISSUED FOR BIDDING</p>	<p>JE#4954 03/15/2024 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY N. CURTIS JONES, JR., P.E. 58428</p>
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 5 & 6

SHEET No. EPD4.65 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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### IAH TERMINAL A - RESTROOMS REFRESH

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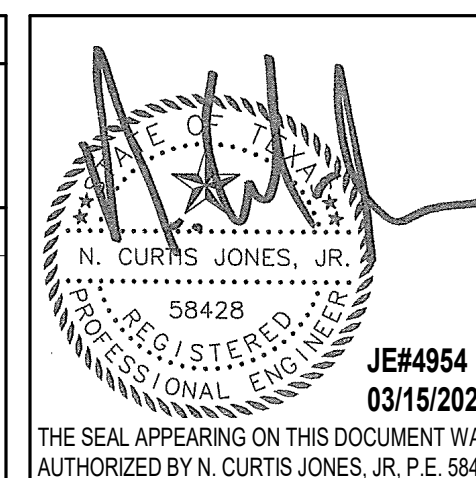
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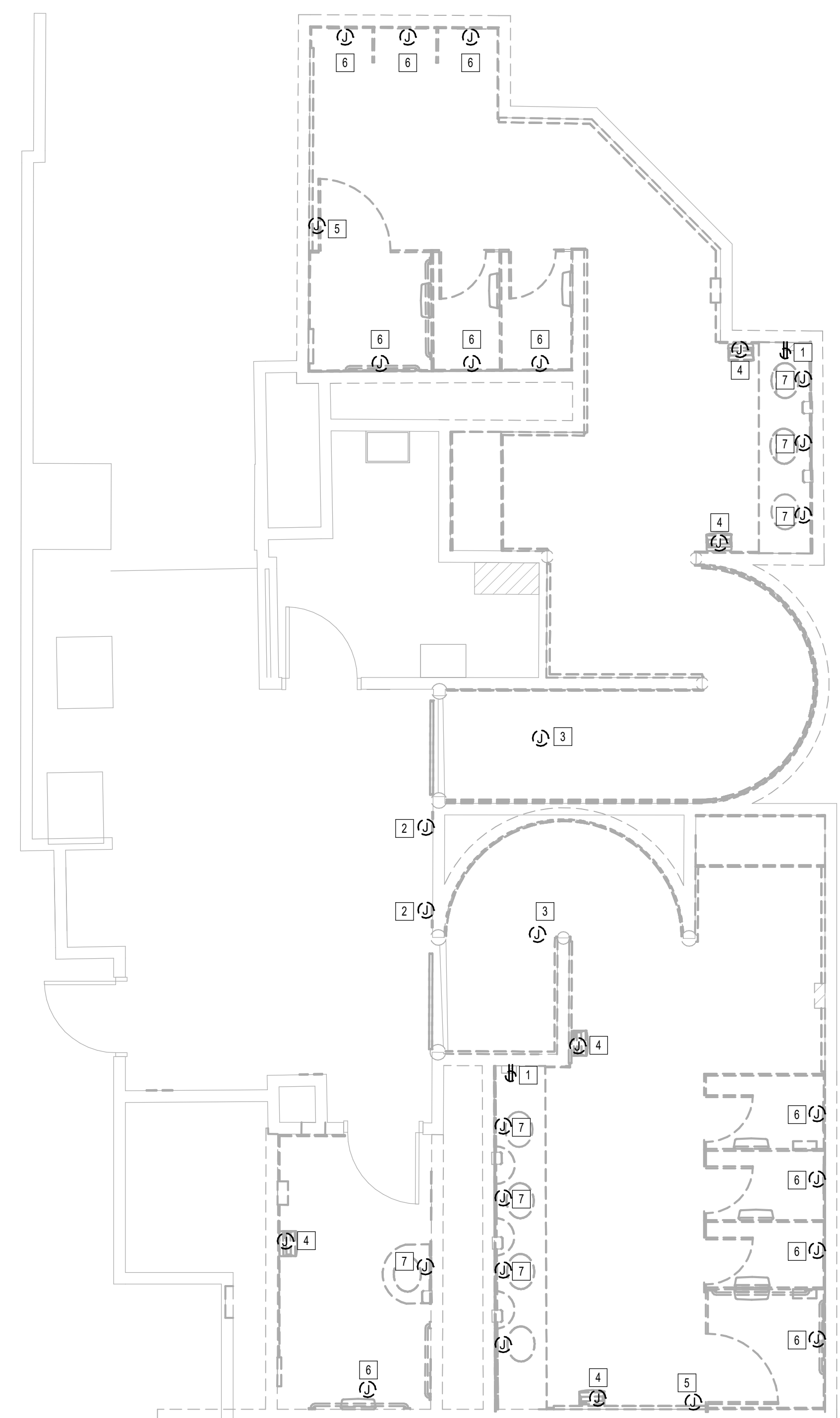
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 9 & 10

SHEET No. EPD4.67 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLOOTOOTH BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.

**1** ELECTRICAL POWER DEMO ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
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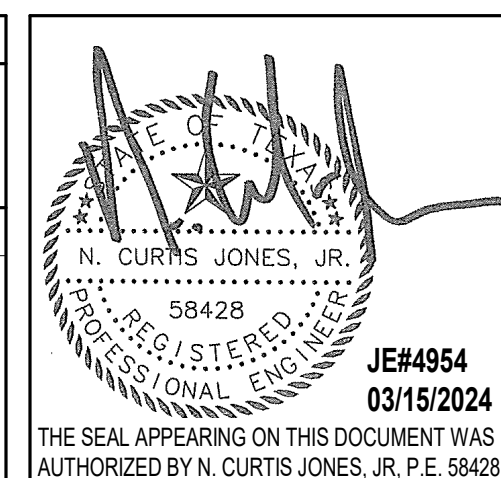
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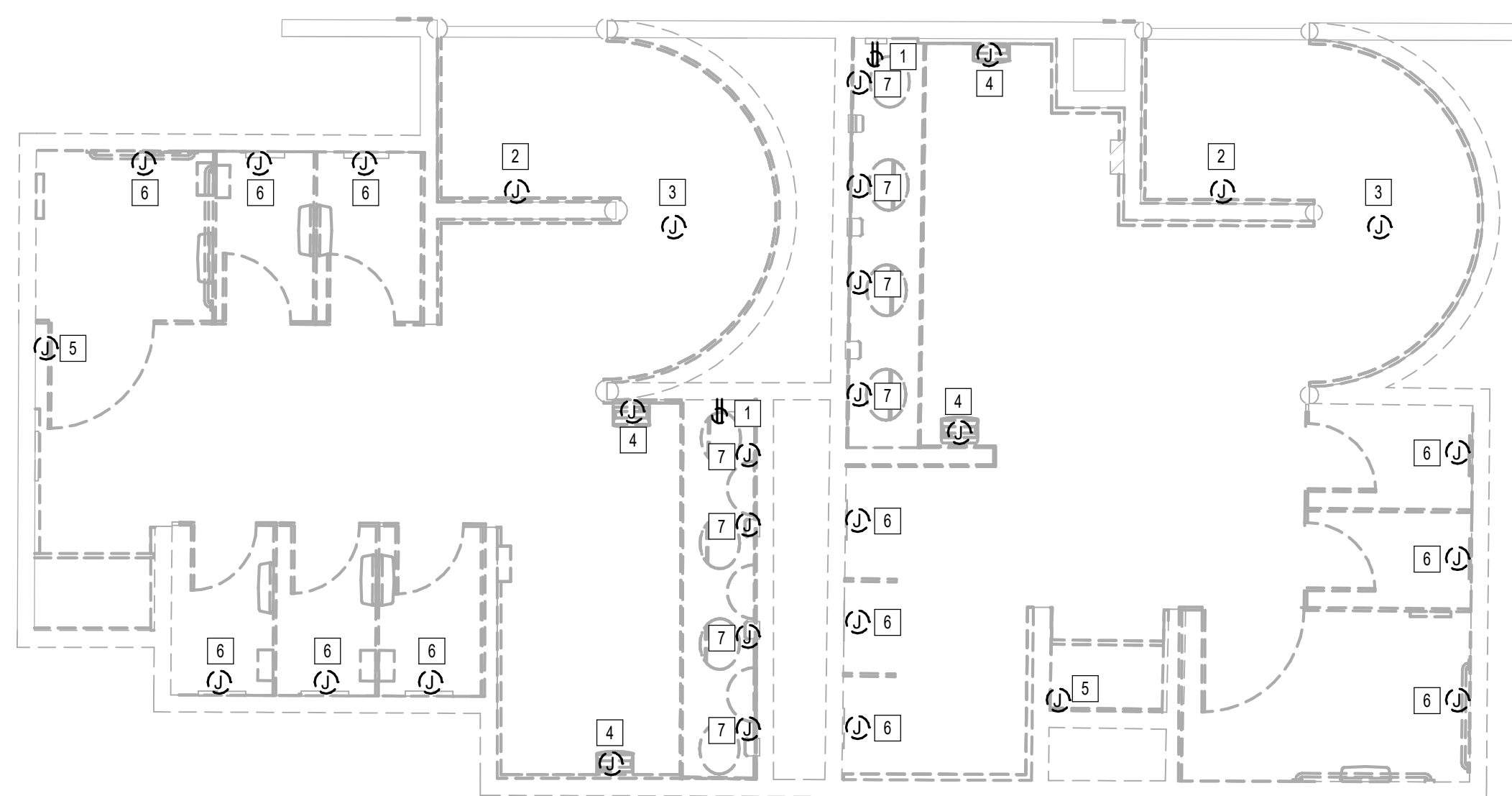
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 11 & 12  
 SHEET No. EPD4.71 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLOOTOOTH BEACON FLICK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.



1 ELECTRICAL POWER DEMO ENLARGED PLAN - RR 11 & 12

1/4" = 1'-0"

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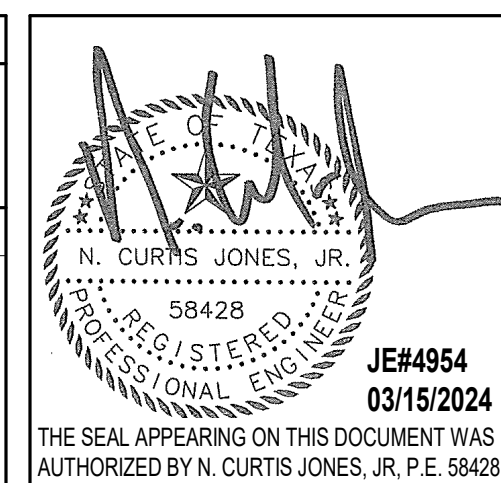
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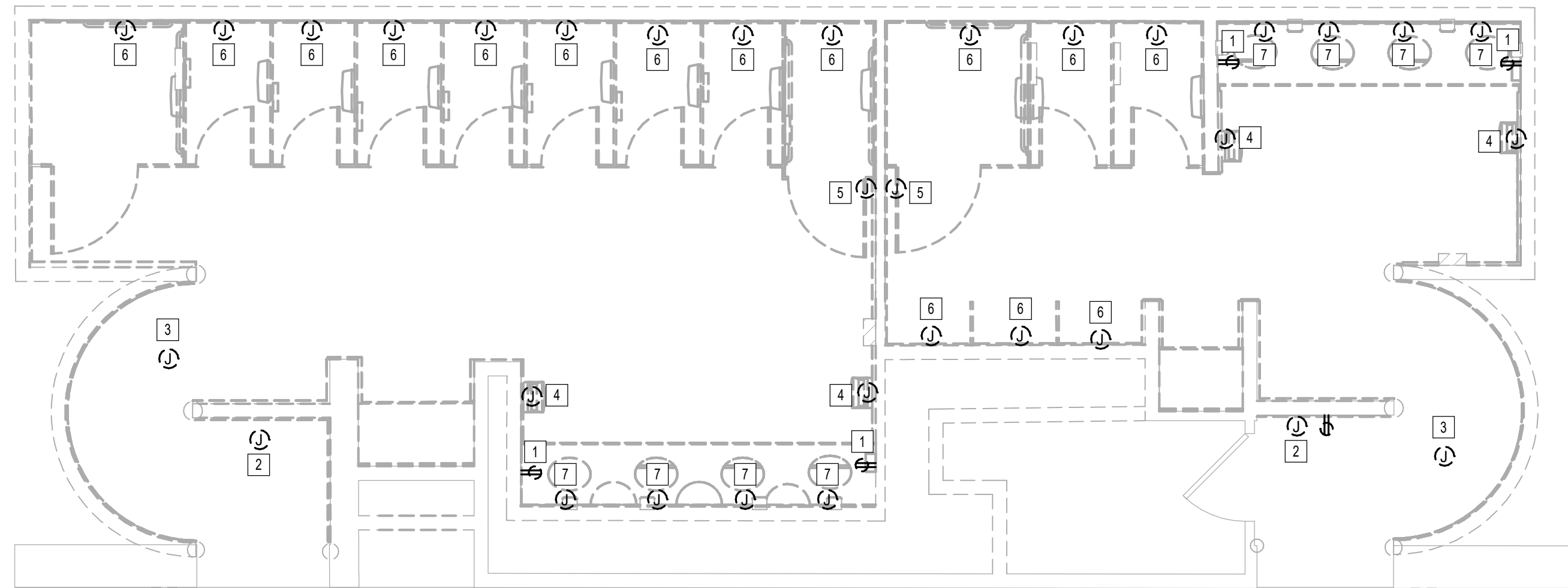
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 13 & 14  
SHEET No. EPD4.73 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLOOTHOOTH BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.



**1 ELECTRICAL POWER DEMO ENLARGED PLAN - RR 13 & 14**  
1/4" = 1'-0"

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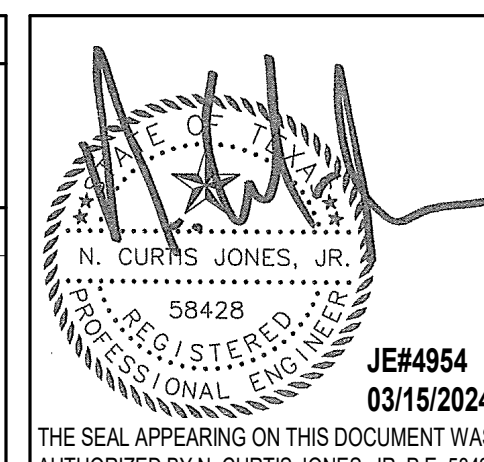
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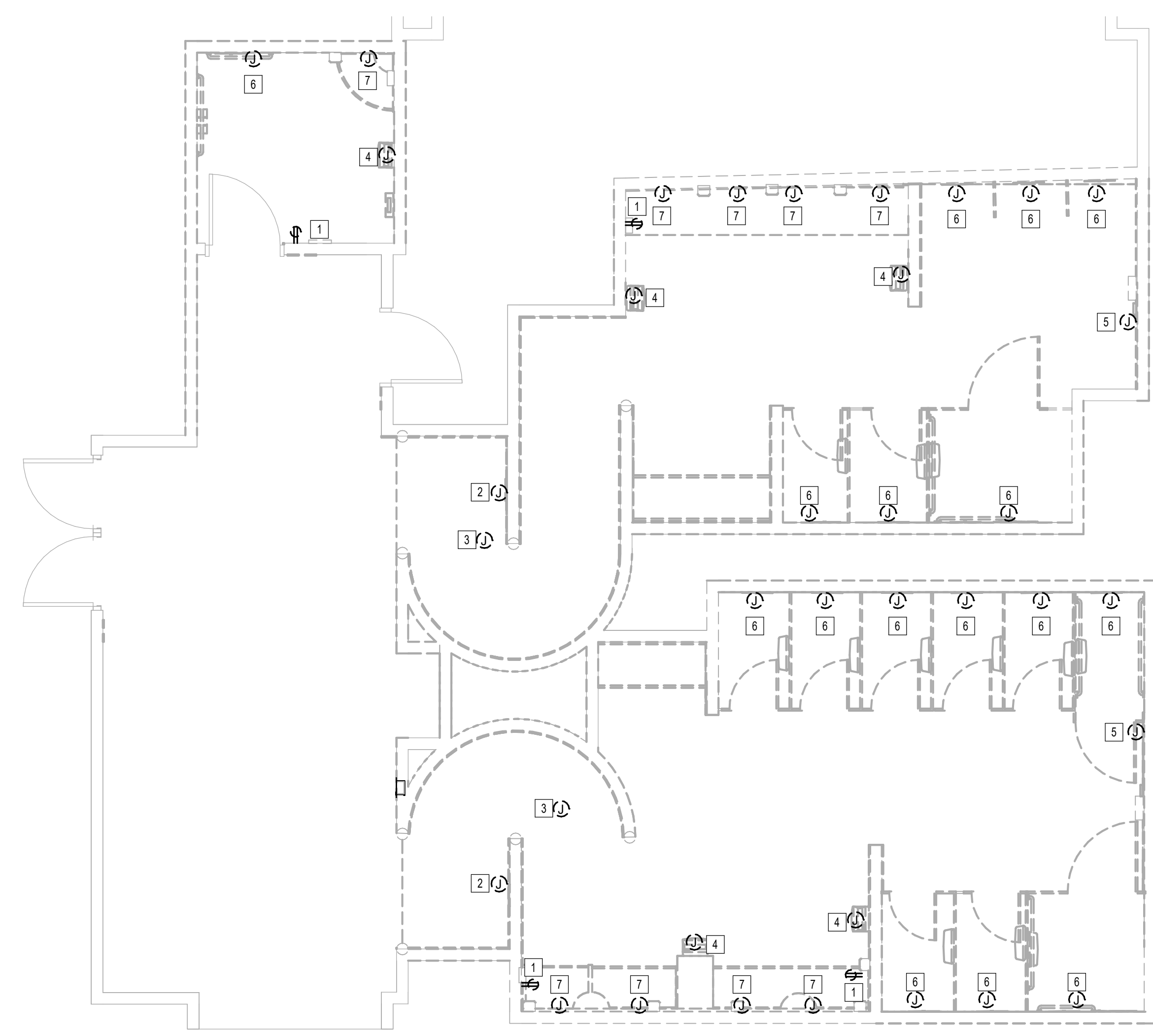
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 15 & 16  
SHEET No. EPD4.75 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PLUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.

**1 ELECTRICAL POWER DEMO ENLARGED PLAN - RR 15 & 16**  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
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PROJECT STATUS: **IFB**

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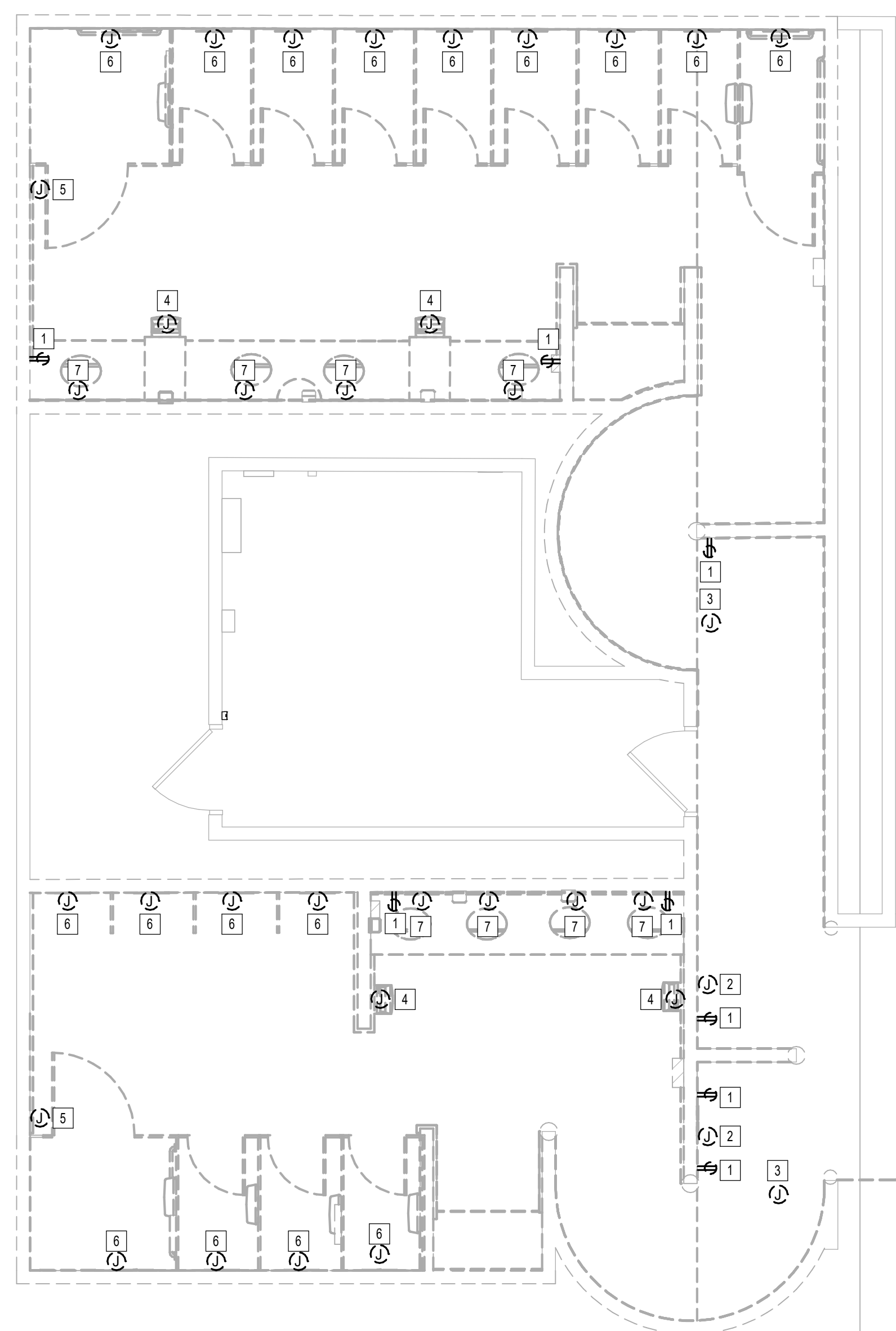
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SHEET NAME:  
ELECTRICAL POWER DEMO ENLARGED PLAN -  
RR 17 & 18

SHEET No. EPD4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



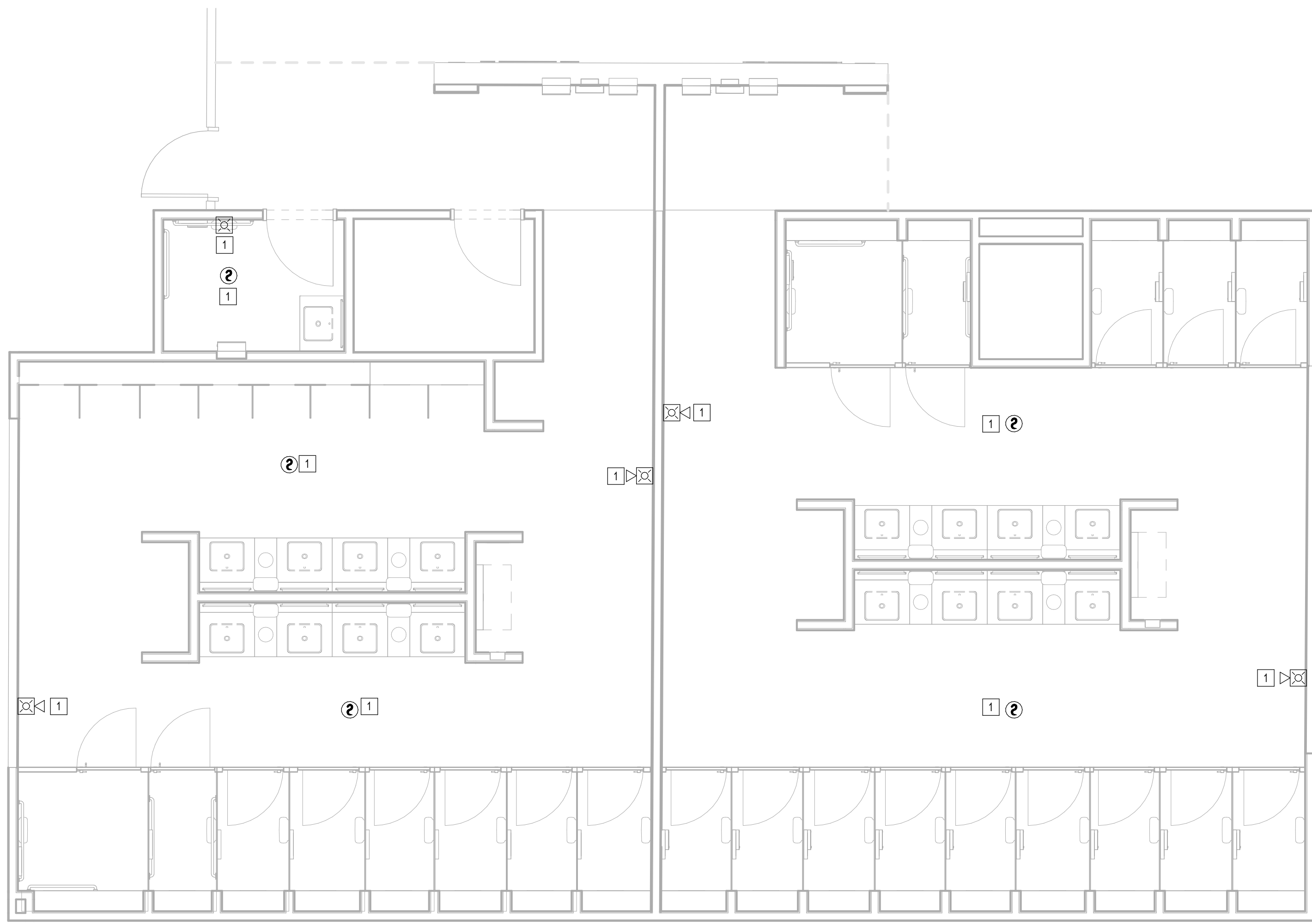
#	KEYNOTE
1	REMOVE RECEPTACLE. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
2	REMOVE JUNCTION BOX FOR SMART TABLET. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
3	EXISTING JUNCTION BOX FOR PASSENGER COUNTER SENSOR TO REMAIN.
4	REMOVE HAND DRYER.
5	EXISTING JUNCTION BOX FOR BLUETOOTH BEACON PUCK TO REMAIN.
6	JUNCTION BOX FOR AUTO FLUSH. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.
7	JUNCTION BOX FOR FAUCET SENSOR. CIRCUIT TO BE REUSED. REFER TO ELECTRICAL POWER PLANS FOR NEW LOCATION.

**1** ELECTRICAL POWER DEMO ENLARGED PLAN - RR 17 & 18  
1/4" = 1'-0"

PLOT DATE: DOA DWG FILE: PLOT DATE:  
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 FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
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OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
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**1** FIRE ALARM ENLARGED PLAN - RR 1 & 2  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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**IAH TERMINAL A - RESTROOMS  
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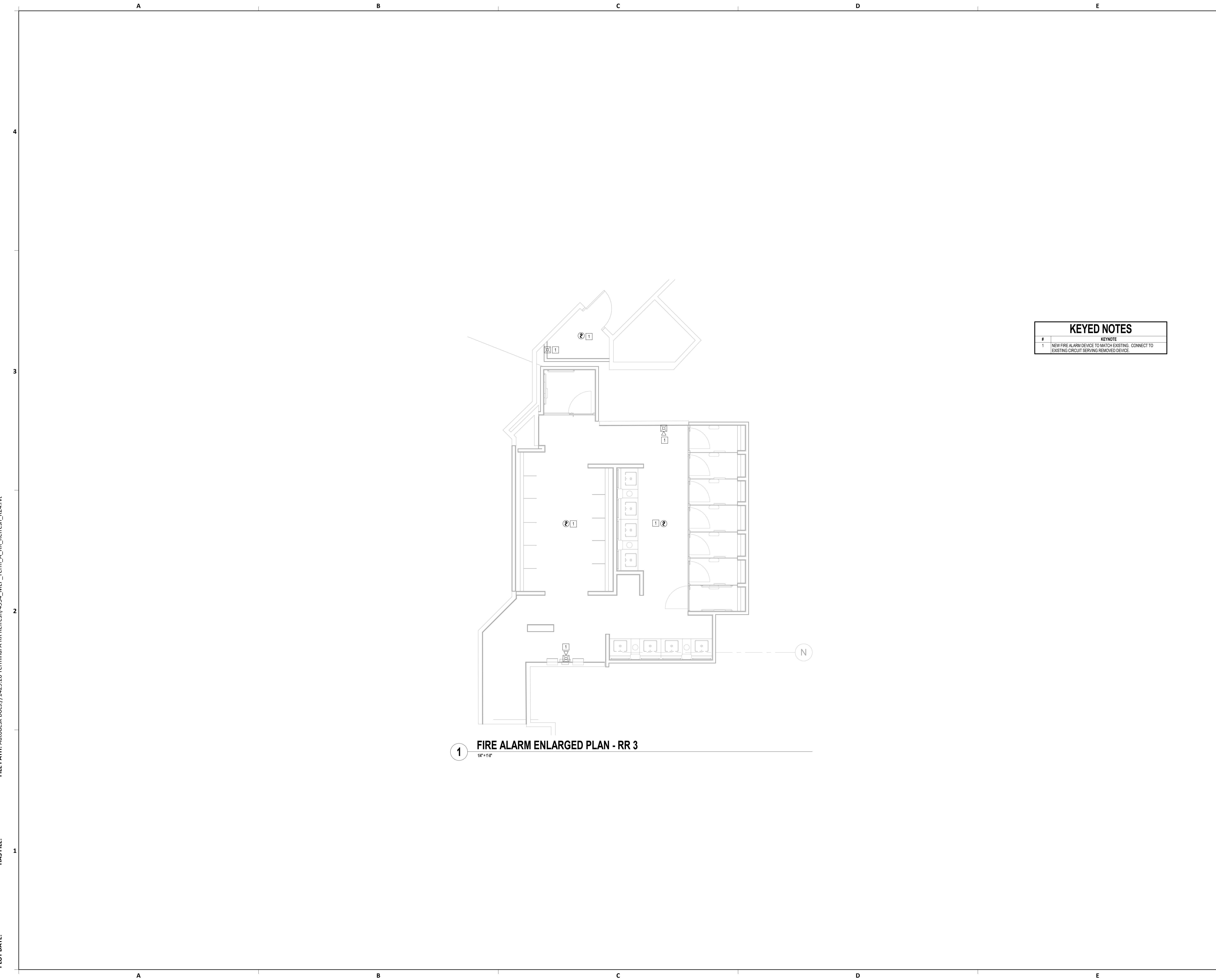
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FIRE ALARM ENLARGED PLAN - RR 1 & 2  
SHEET No. FA4.61 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



**1** FIRE ALARM ENLARGED PLAN - RR 3  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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**IAH TERMINAL A - RESTROOMS  
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SHEET NAME: FIRE ALARM ENLARGED PLAN - RR 3

SHEET No. FA4.63 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:  
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OLD DOA No.:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

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**1** FIRE ALARM ENLARGED PLAN - RR 4  
1/4" = 1'-0"



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SHEET NAME: FIRE ALARM ENLARGED PLAN - RR 4

SHEET No. FA4.64 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

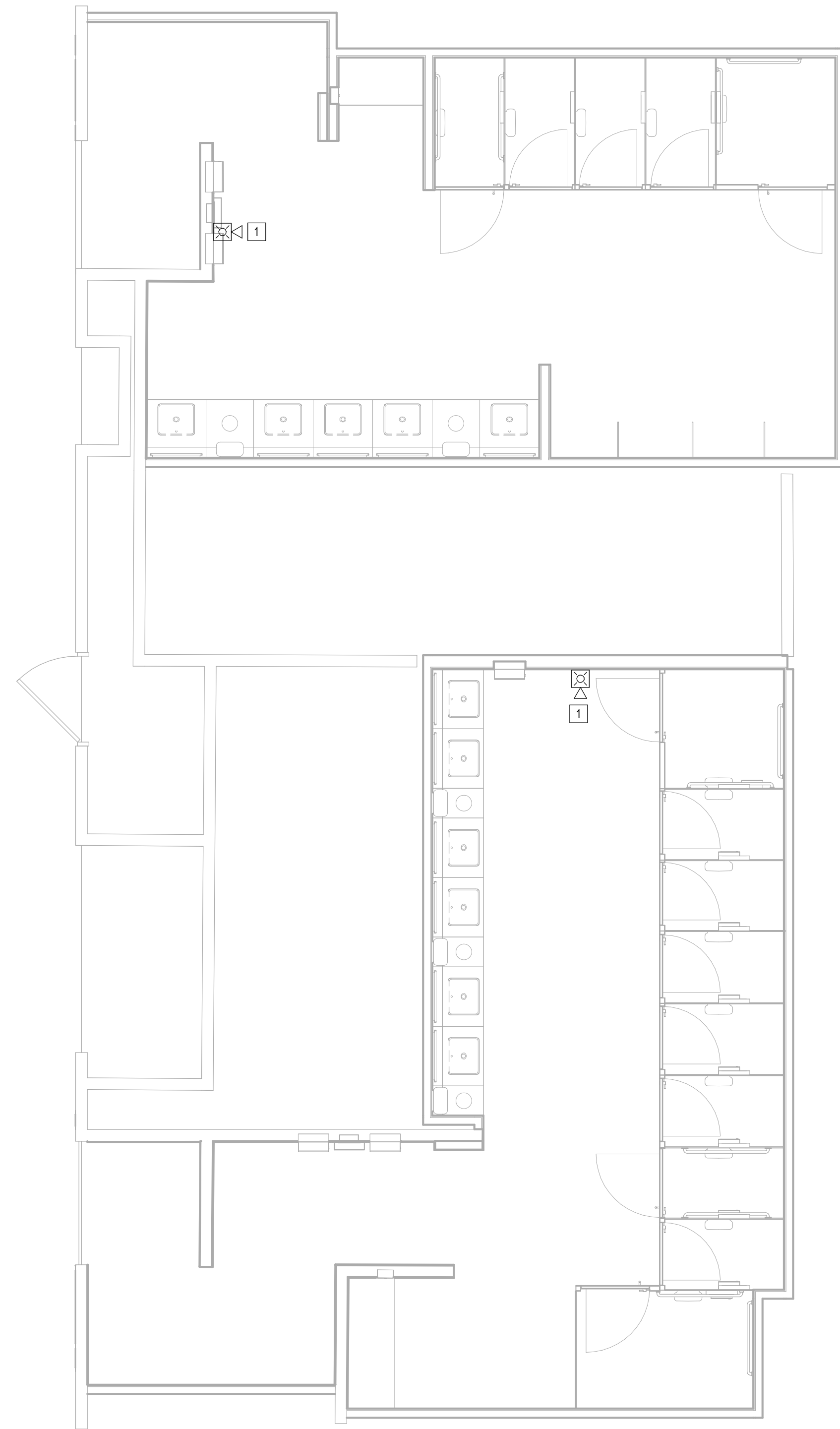
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OLD DOA No.:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:

**1** FIRE ALARM ENLARGED PLAN - RR 5 & 6  
1/4" = 1'-0"



KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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**IAH TERMINAL A - RESTROOMS  
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PROJECT STATUS: **IFB**

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No.	DESCRIPTION	DATE BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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---	--

SHEET NAME:  
FIRE ALARM ENLARGED PLAN - RR 5 & 6

SHEET No. FA4.65 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

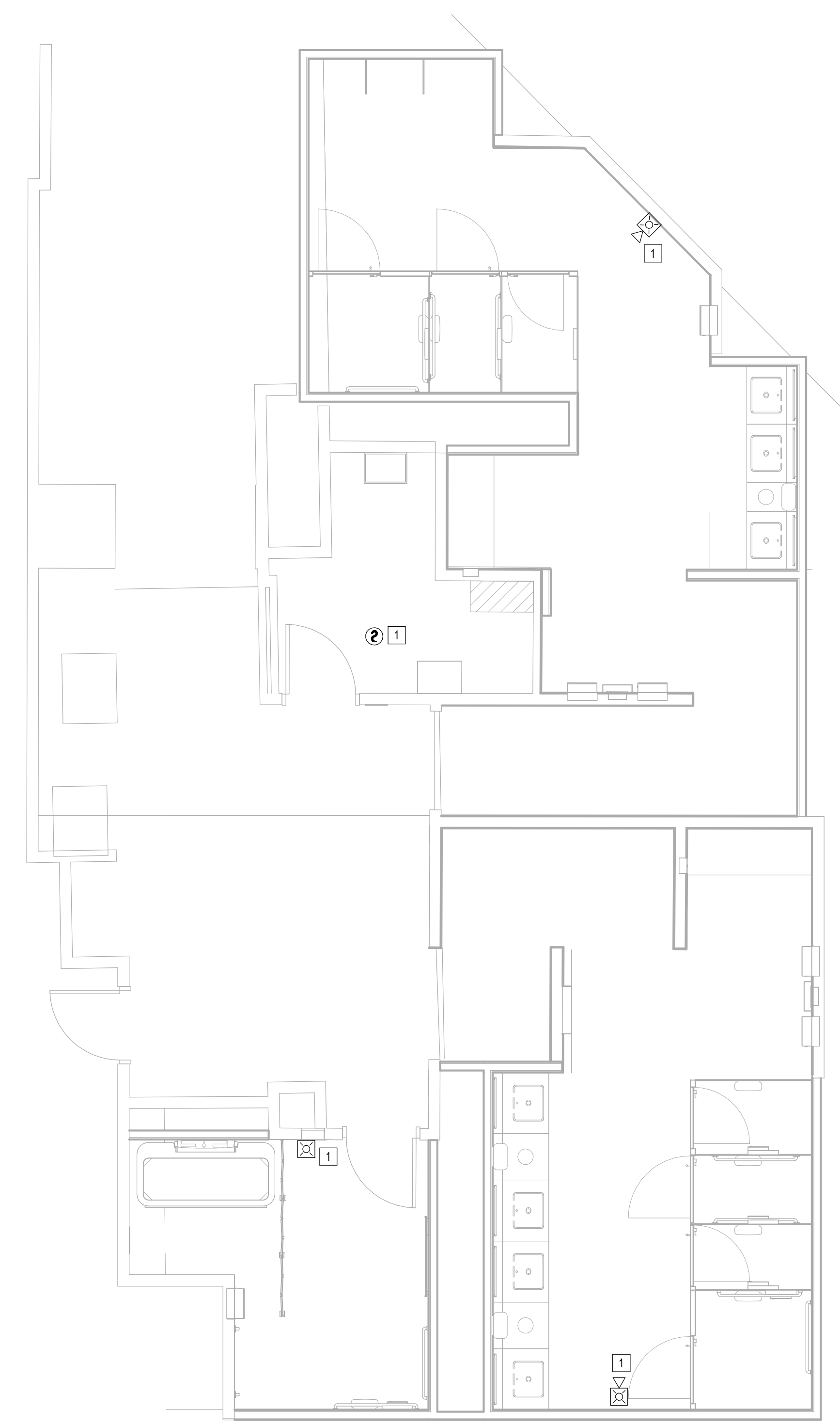
PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:

**1** FIRE ALARM ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"



KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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SHEET NAME:  
FIRE ALARM ENLARGED PLAN - RR 9 & 10

SHEET No. FA4.67 SCALE: 1/4" = 1'-0"

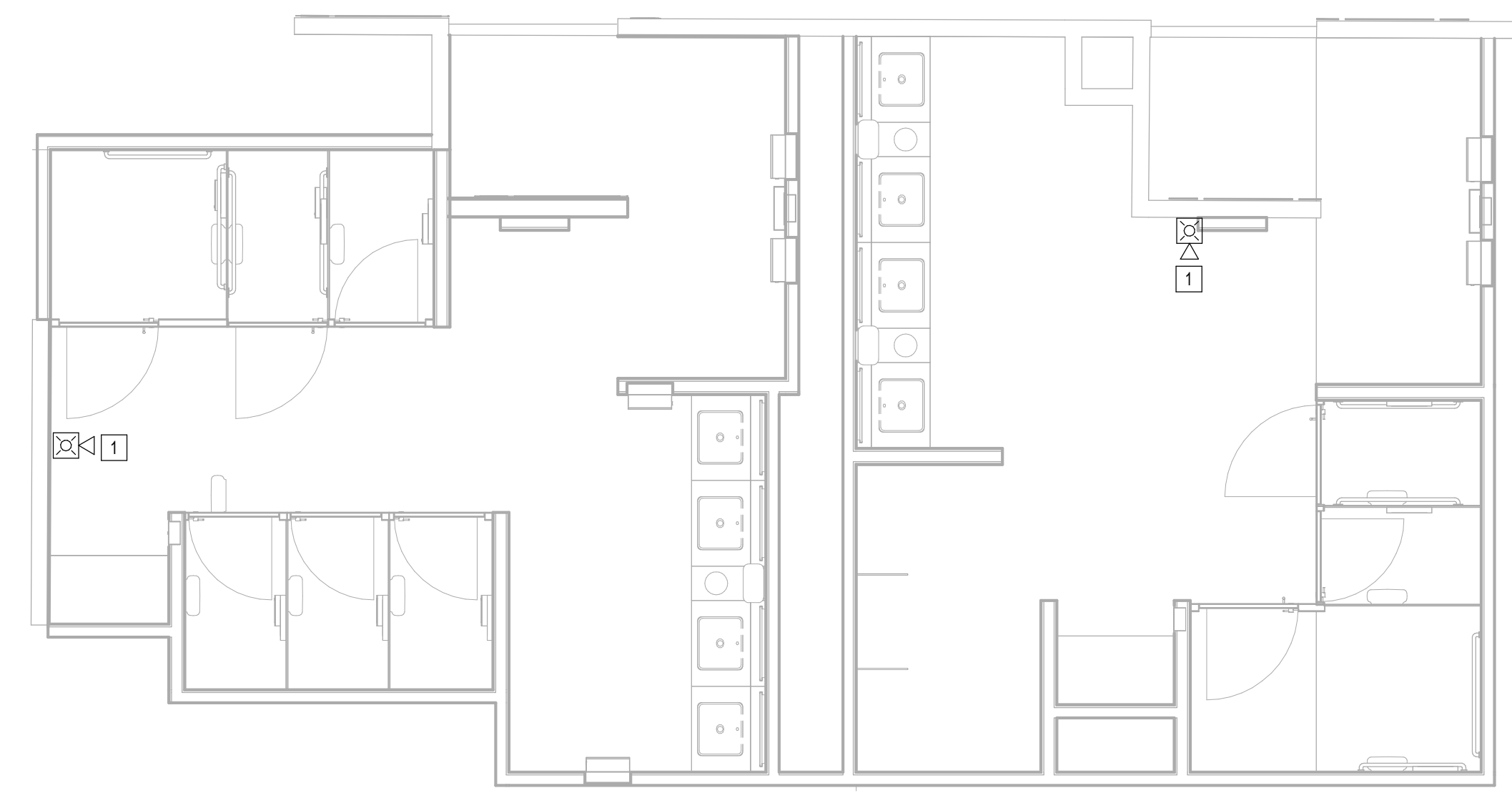
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



**1** FIRE ALARM ENLARGED PLAN - RR 11 & 12  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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---	---

SHEET NAME:  
FIRE ALARM ENLARGED PLAN - RR 11 & 12

SHEET No. FA4.71 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:

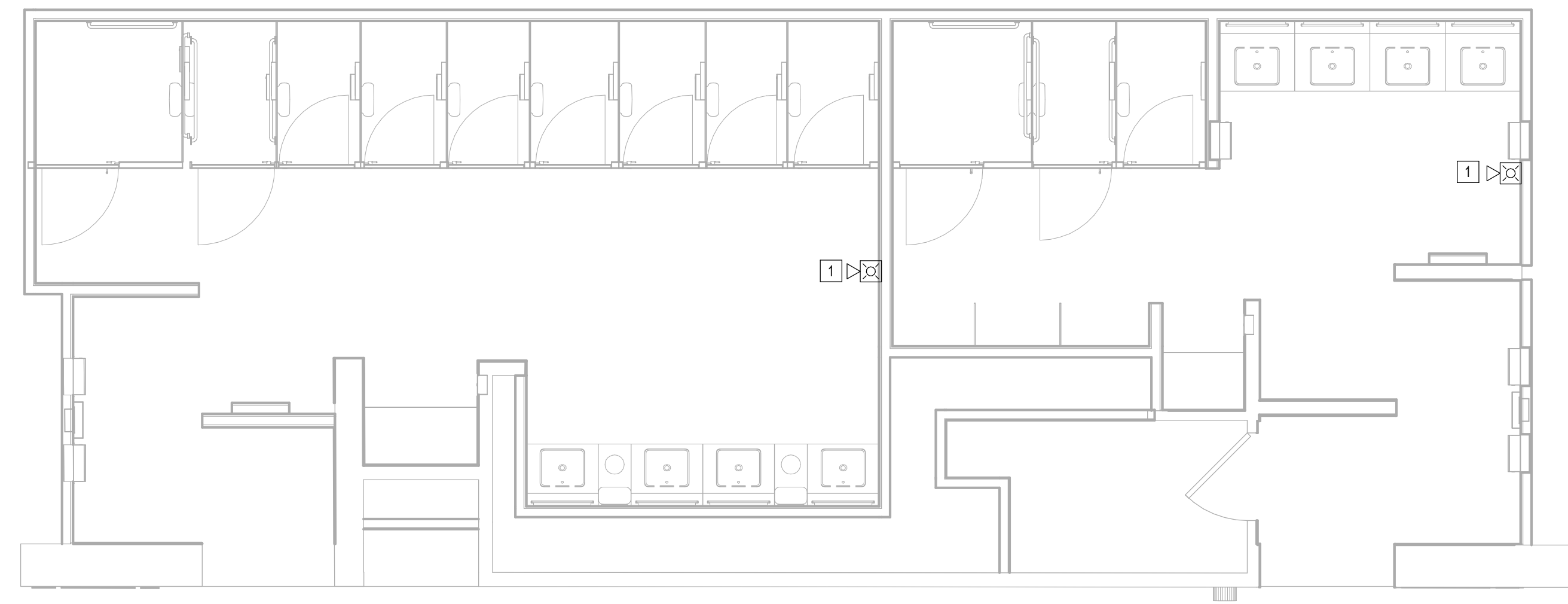
A

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E



**1** FIRE ALARM ENLARGED PLAN - RR 13 & 14  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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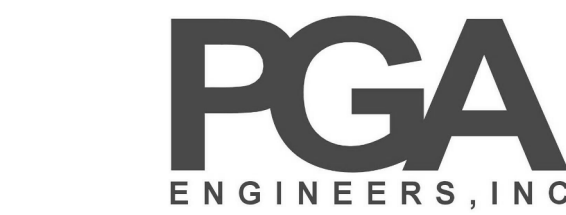
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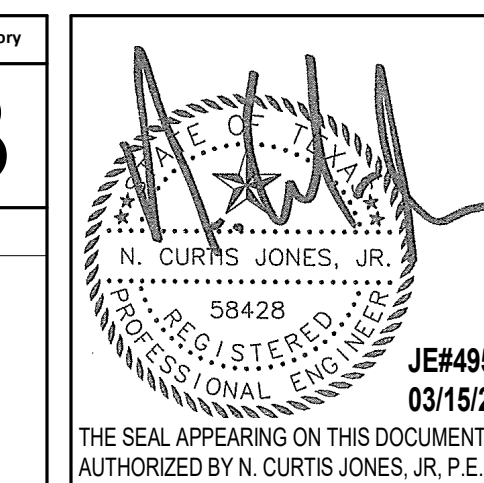
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SHEET NAME:  
FIRE ALARM ENLARGED PLAN - RR 13 & 14

SHEET No. FA4.73 SCALE: 1/4" = 1'-0"

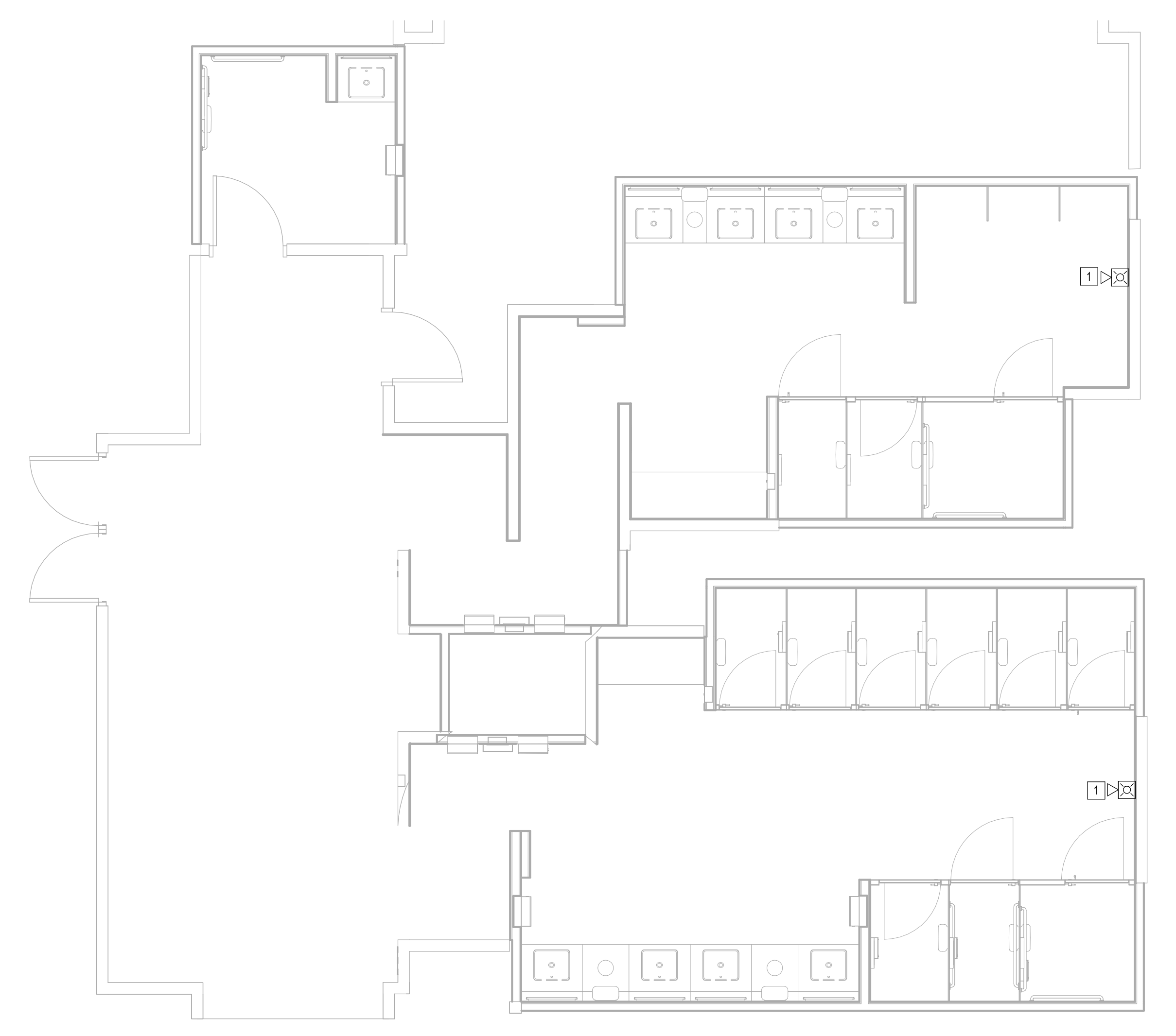
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



**1** FIRE ALARM ENLARGED PLAN - RR 15 & 16  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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SHEET NAME:  
FIRE ALARM ENLARGED PLAN - RR 15 & 16

SHEET No. FA4.75 SCALE: 1/4" = 1'-0"

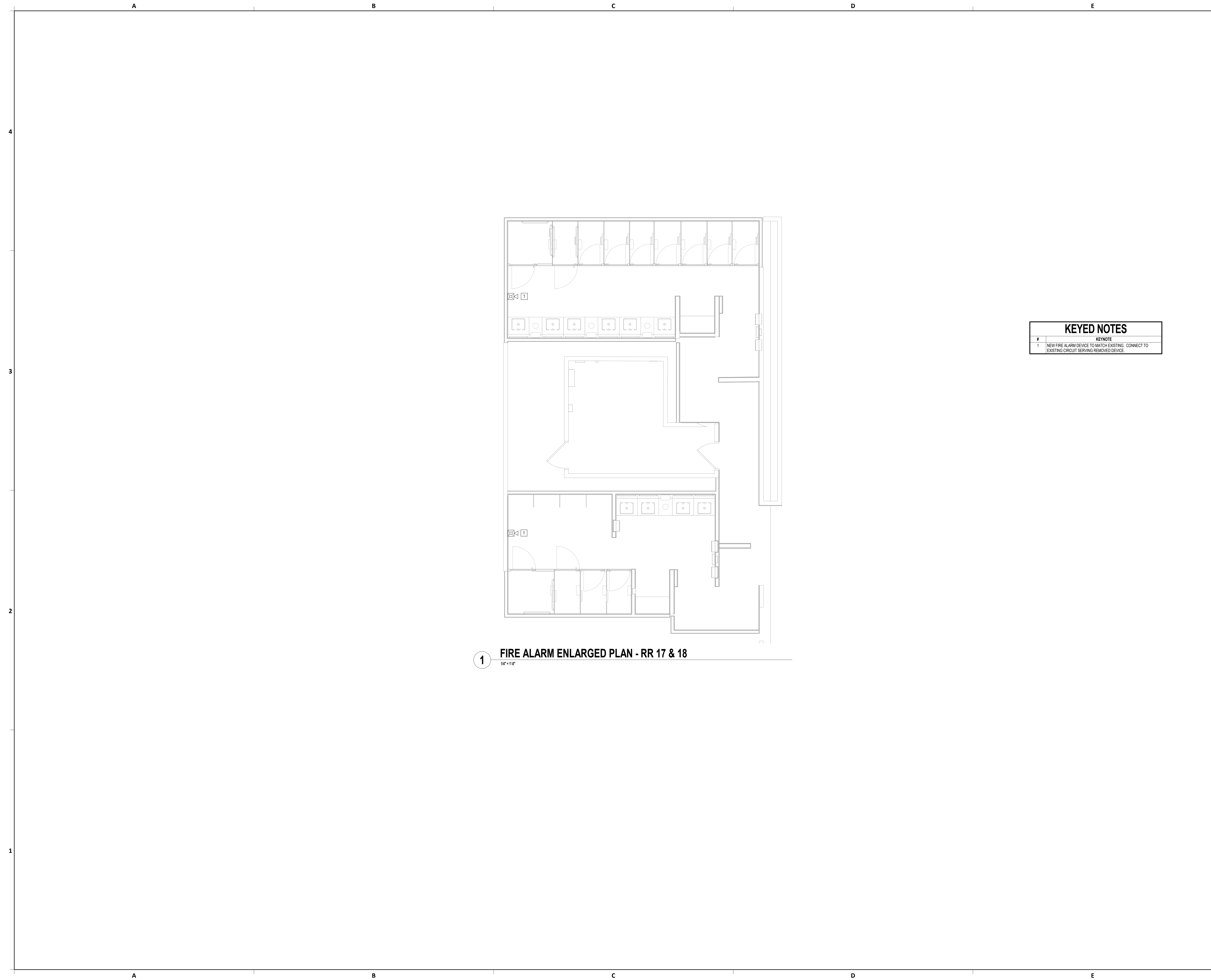
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 FIRE ALARM ENLARGED PLAN - RR 17 & 18  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	NEW FIRE ALARM DEVICE TO MATCH EXISTING. CONNECT TO EXISTING CIRCUIT SERVING REMOVED DEVICE.



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SHEET NAME:  
FIRE ALARM ENLARGED PLAN - RR 17 & 18

SHEET No. FA4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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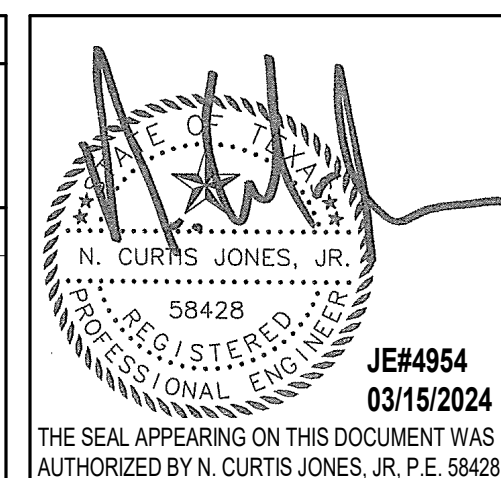
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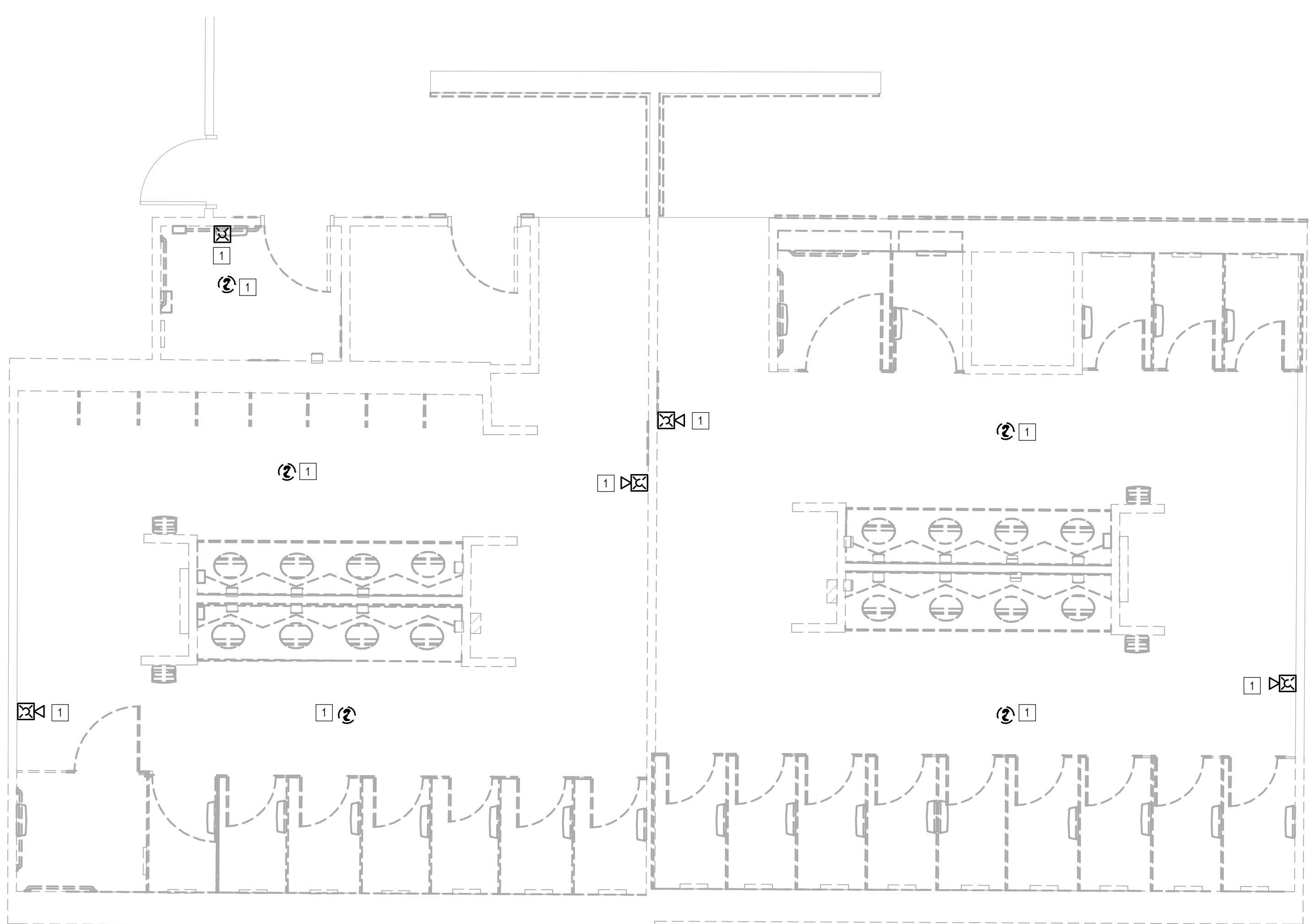
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SHEET NAME:  
FIRE ALARM DEMO ENLARGED PLAN - RR 1 &  
2  
SHEET No. FAD4.61 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1** FIRE ALARM DEMO ENLARGED PLAN - RR 1 & 2  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.

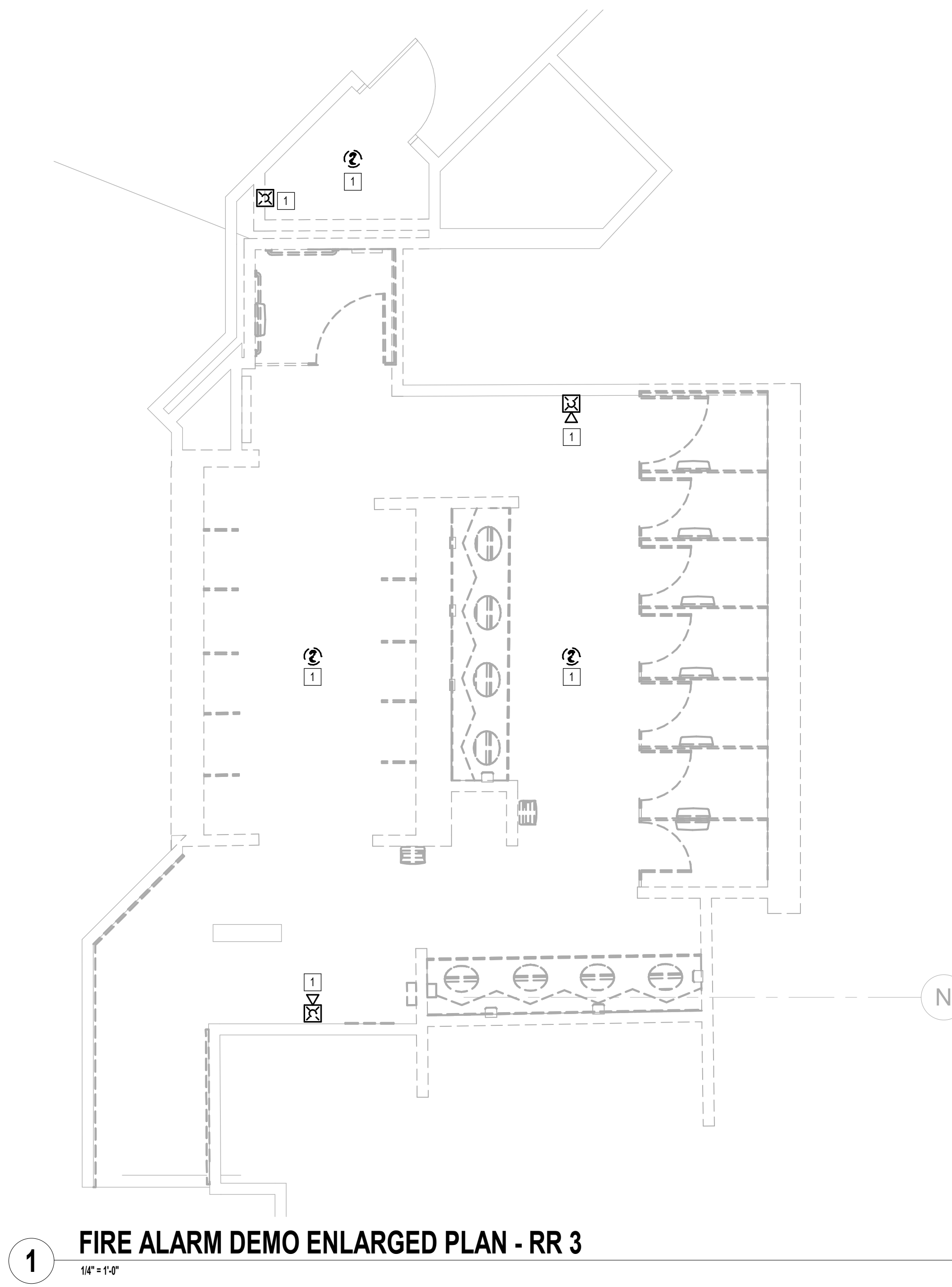
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HAS FILE:

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



**1** FIRE ALARM DEMO ENLARGED PLAN - RR 3  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.



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SHEET NAME:  
FIRE ALARM DEMO ENLARGED PLAN - RR 3

SHEET No. FAD4.63 SCALE: 1/4" = 1'-0"

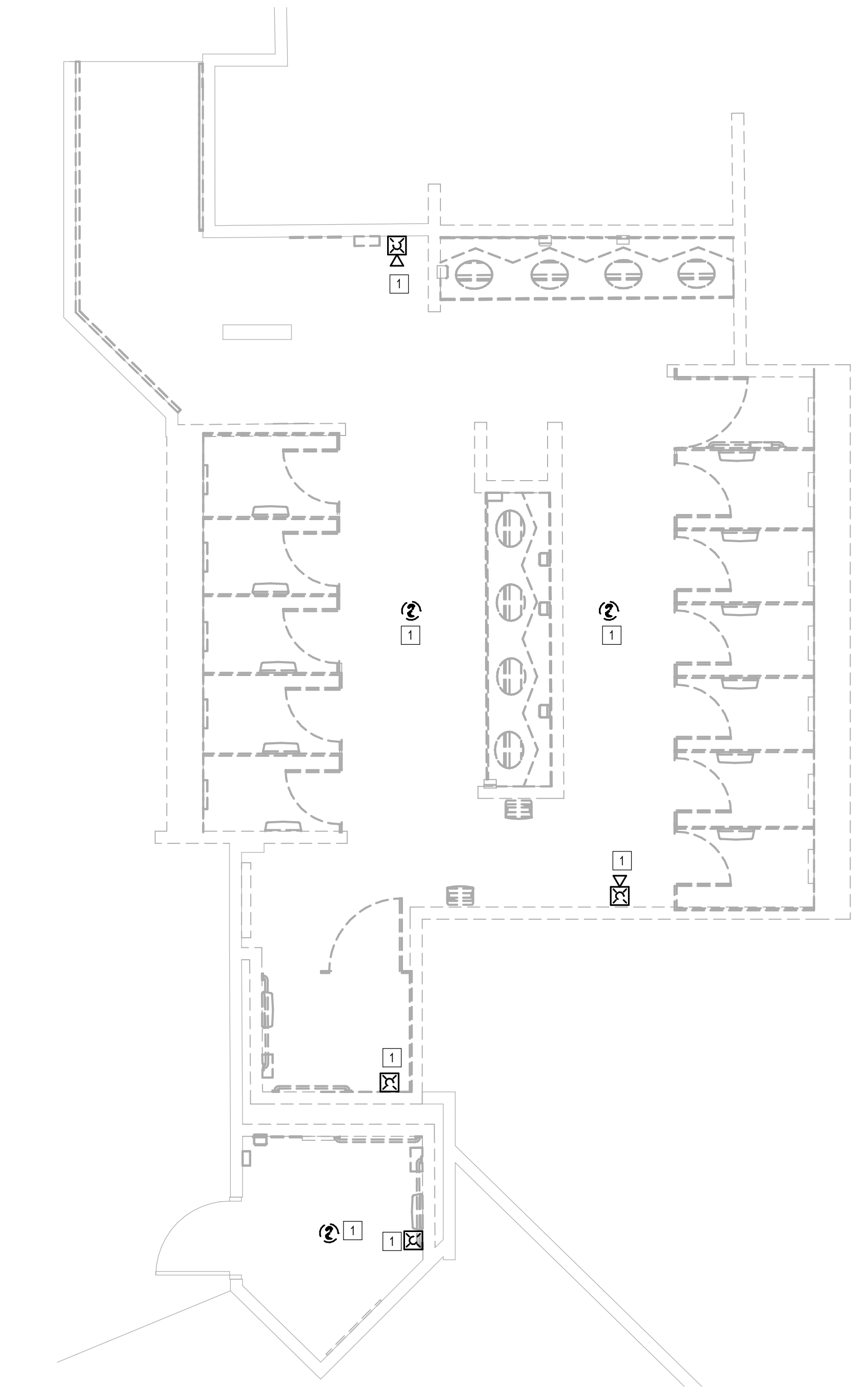
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 FIRE ALARM DEMO ENLARGED PLAN - RR 4  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.



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SHEET NAME:  
FIRE ALARM DEMO ENLARGED PLAN - RR 4

SHEET No.	FAD4.64	SCALE:	1/4" = 1'-0"
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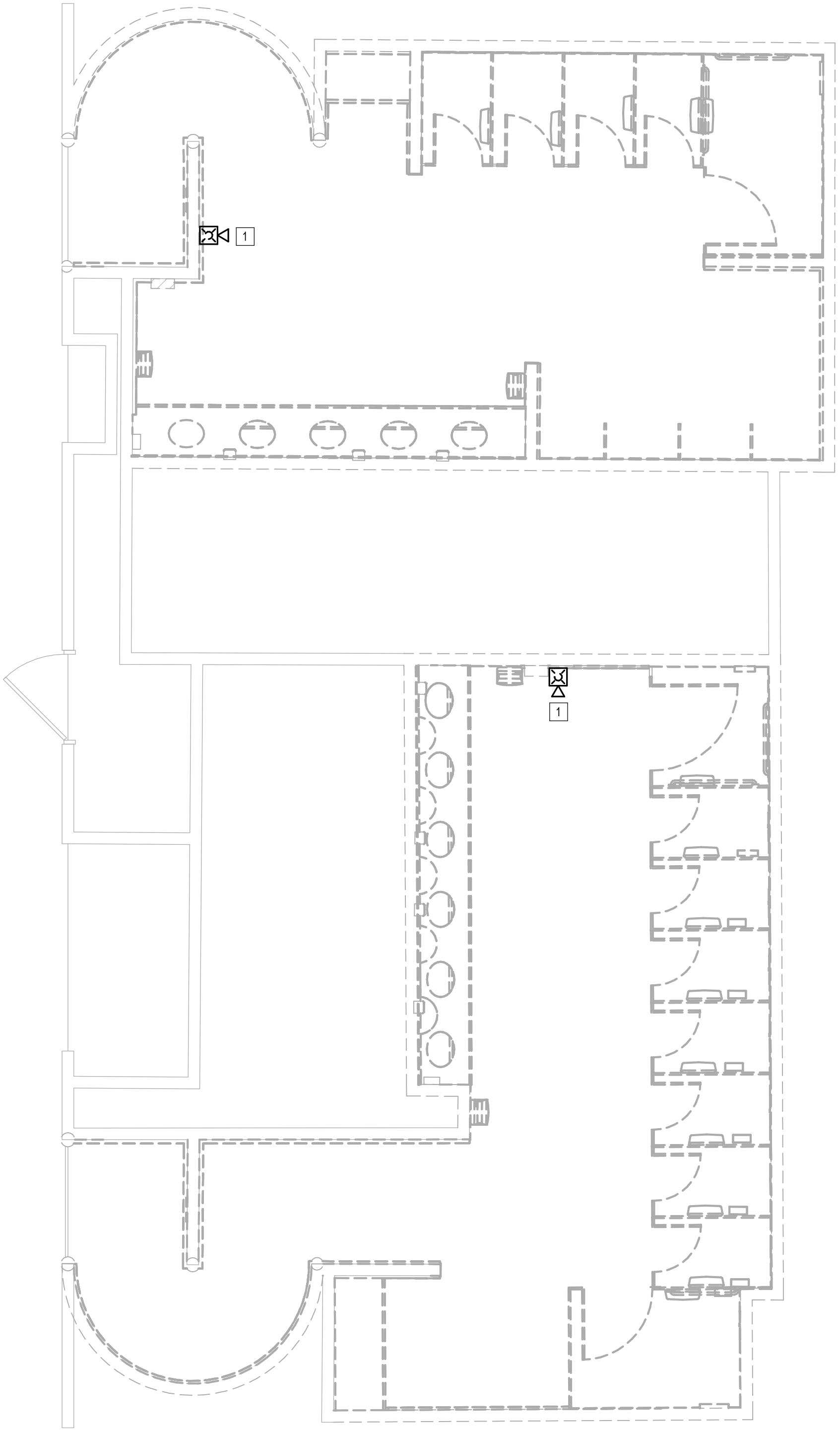
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PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

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HAS FILE:

PLOT DATE:



**1** FIRE ALARM DEMO ENLARGED PLAN - RR 5 & 6  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.



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SHEET NAME:  
FIRE ALARM DEMO ENLARGED PLAN - RR 5 & 6

SHEET No. FAD4.65 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE:  
DOA DWG FILE:  
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

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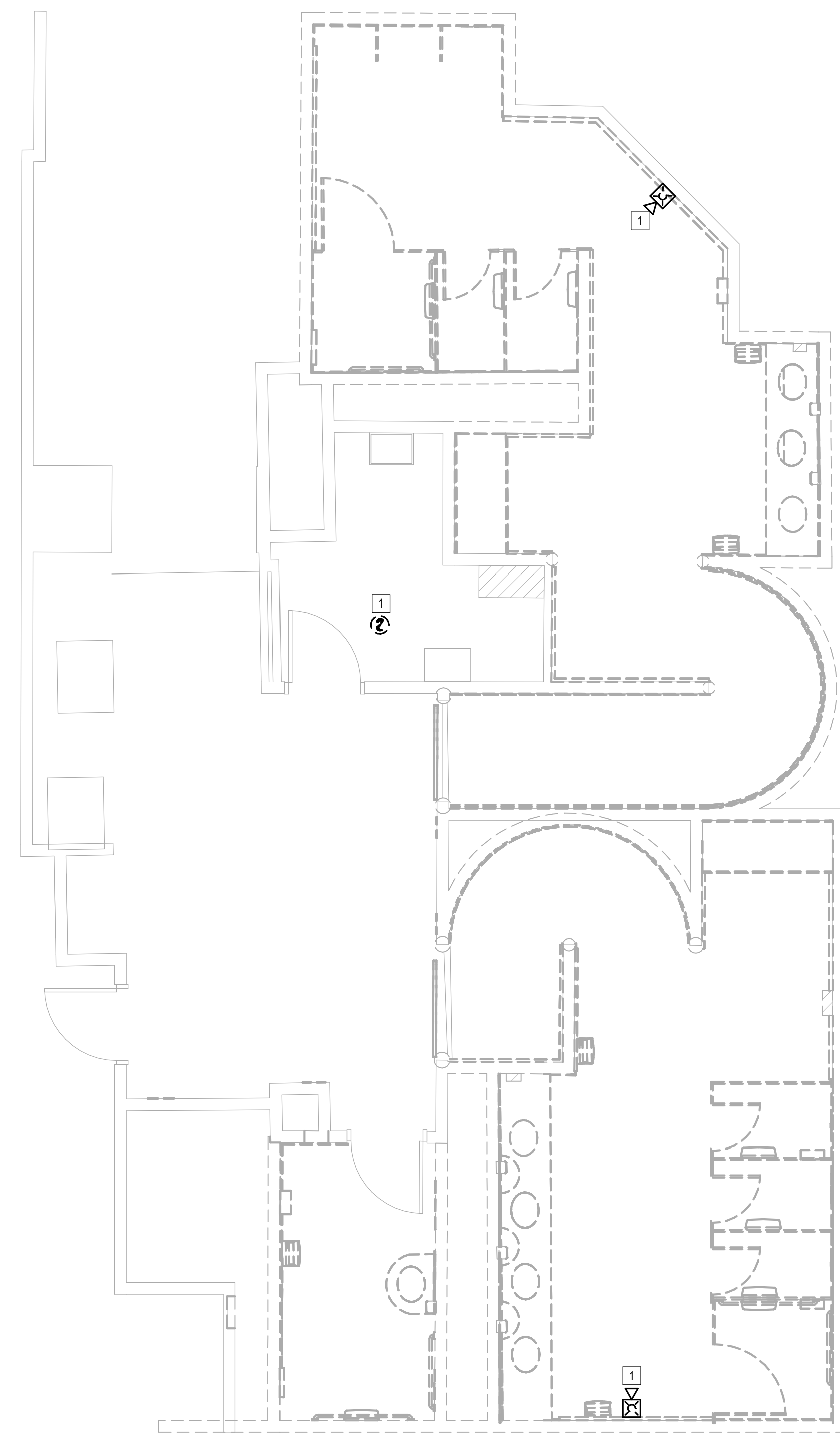
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**1** FIRE ALARM DEMO ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.



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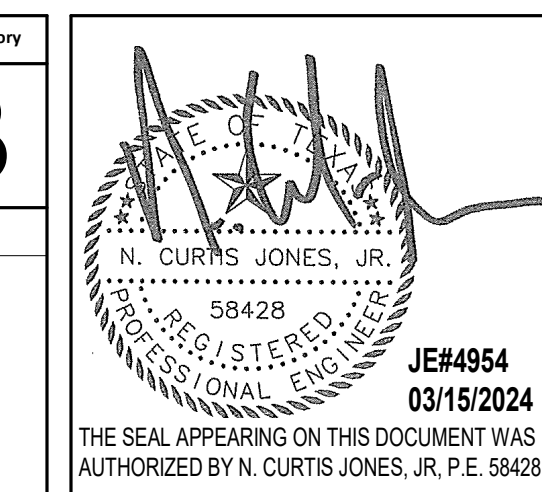
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SHEET NAME:  
FIRE ALARM DEMO ENLARGED PLAN - RR 9 & 10  
SHEET No. FAD4.67 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

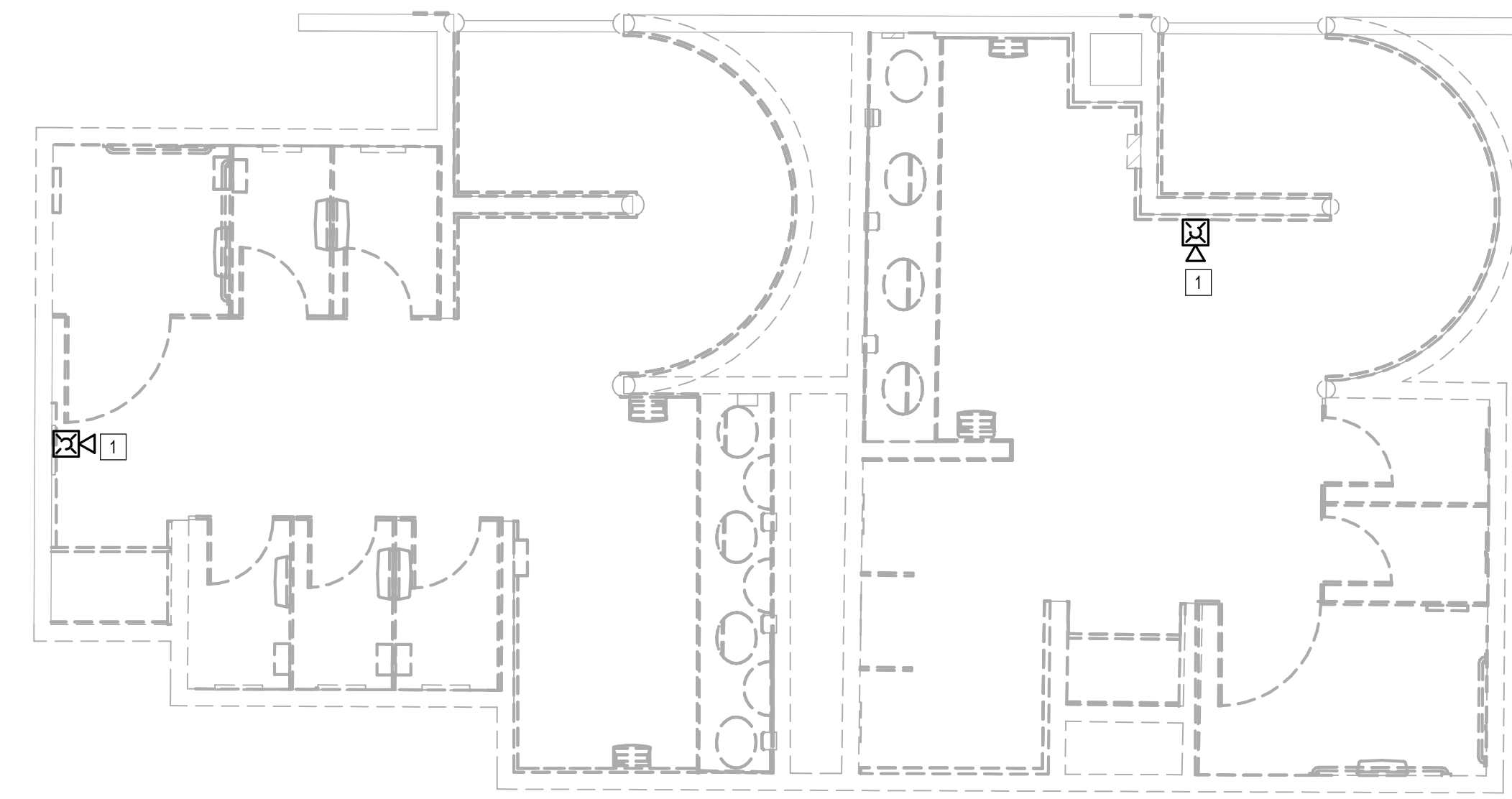


PLOT DATE:  
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



**1** FIRE ALARM DEMO ENLARGED PLAN - RR 11 & 12  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.



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PROJECT STATUS:

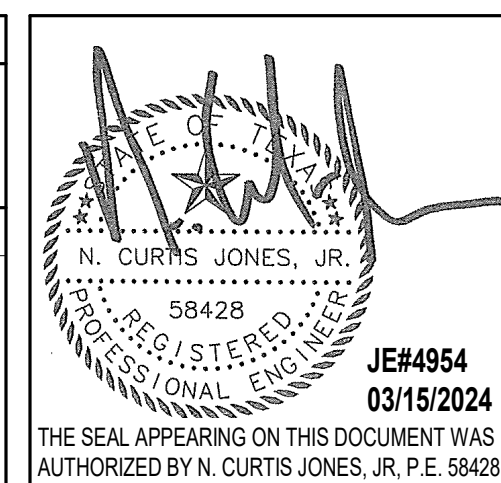
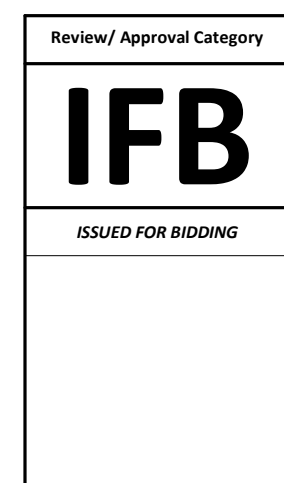
**IFB**

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No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 03.15.24  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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SHEET NAME:  
FIRE ALARM DEMO ENLARGED PLAN - RR 11 & 12  
SHEET No. FAD4.71 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954\_MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:

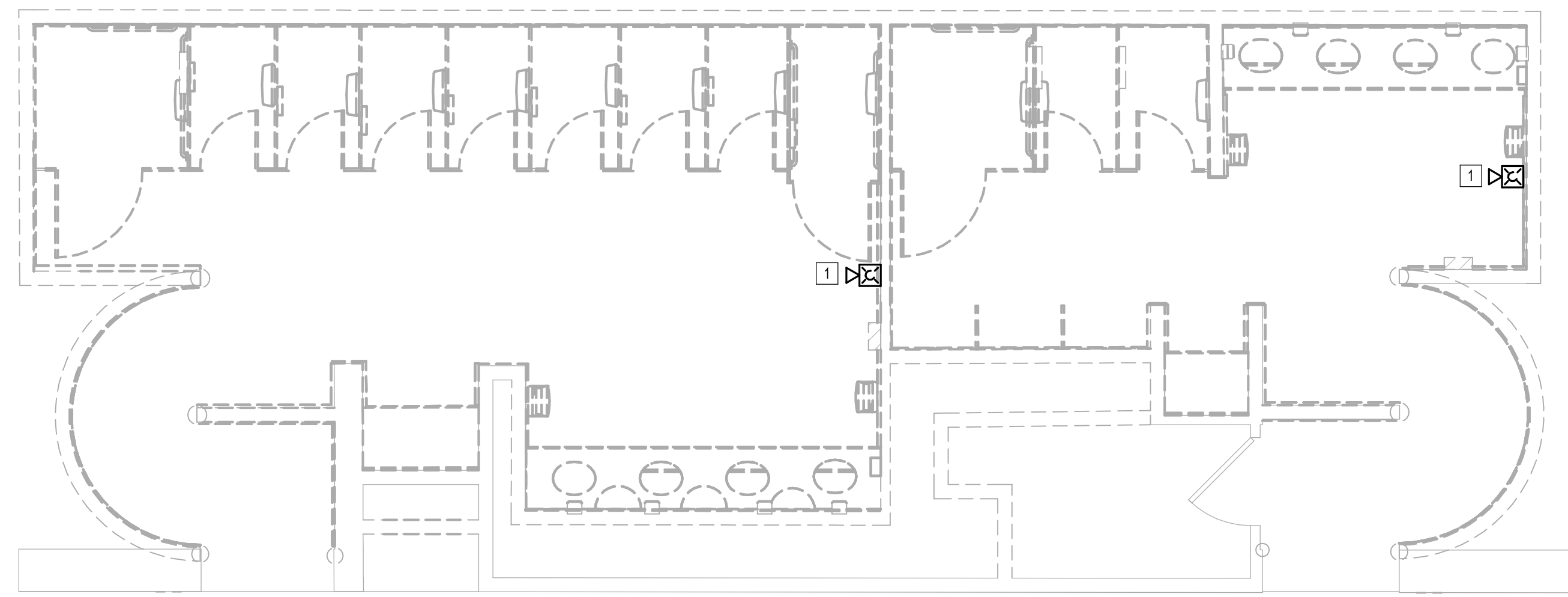
A

B

C

D

E



**1** FIRE ALARM DEMO ENLARGED PLAN - RR 13 & 14  
1/4" = 1'-0"

KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.



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

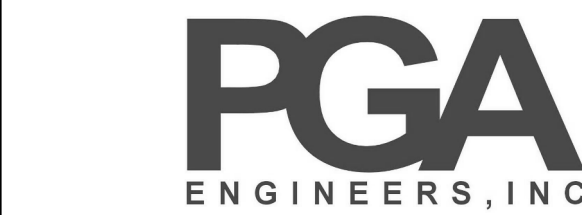
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No.	DESCRIPTION	DATE	BY

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SHEET NAME:  
FIRE ALARM DEMO ENLARGED PLAN - RR 13 & 14

SHEET No. FAD4.73 SCALE: 1/4" = 1'-0"

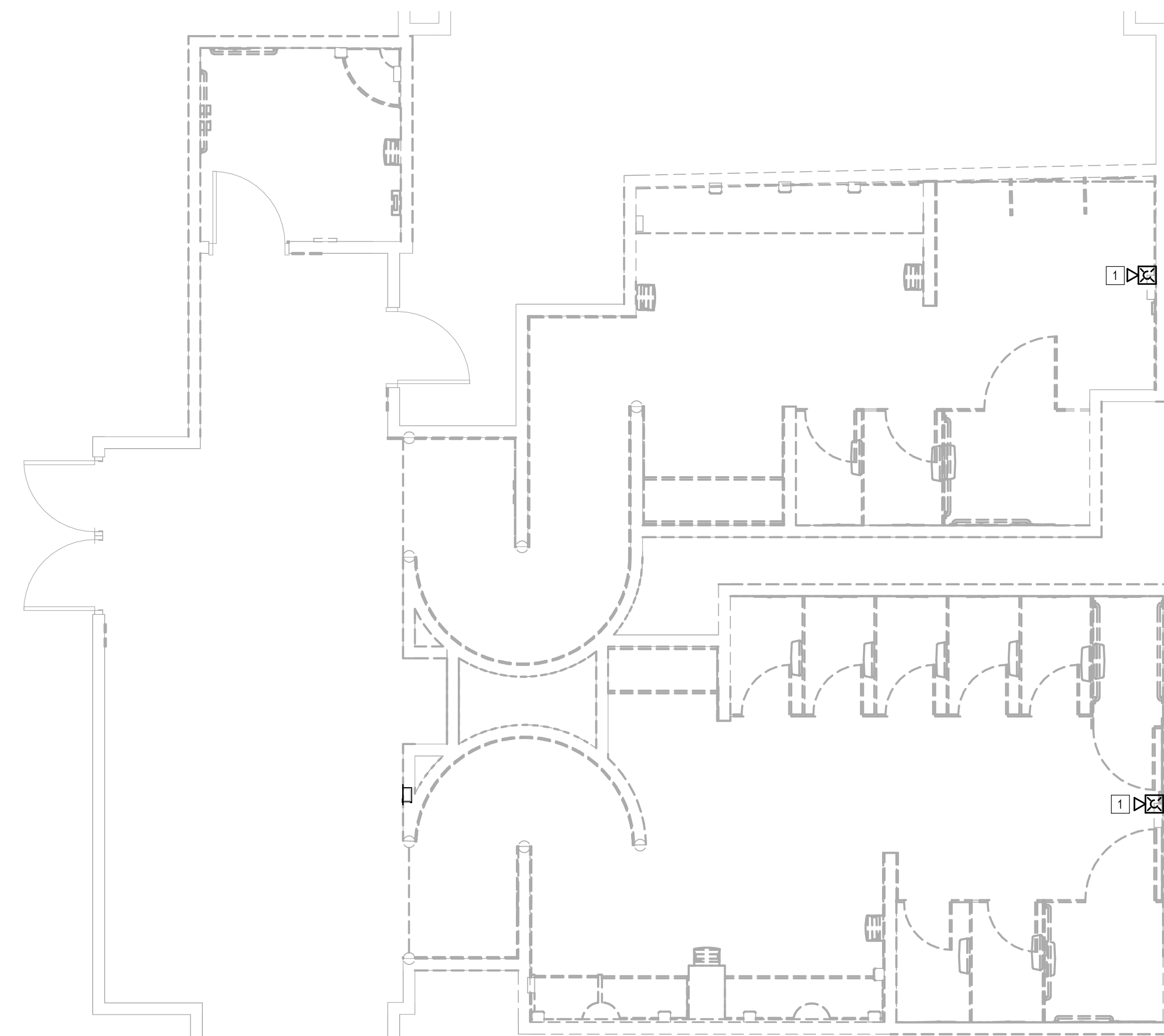
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.

1 FIRE ALARM DEMO ENLARGED PLAN - RR 15 & 16  
1/4" = 1'-0"



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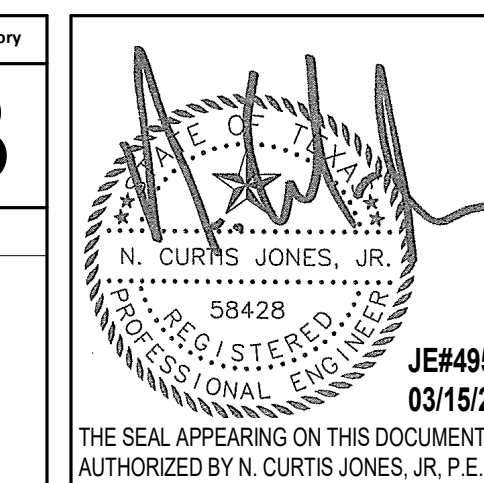
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No.	DESCRIPTION	DATE	BY

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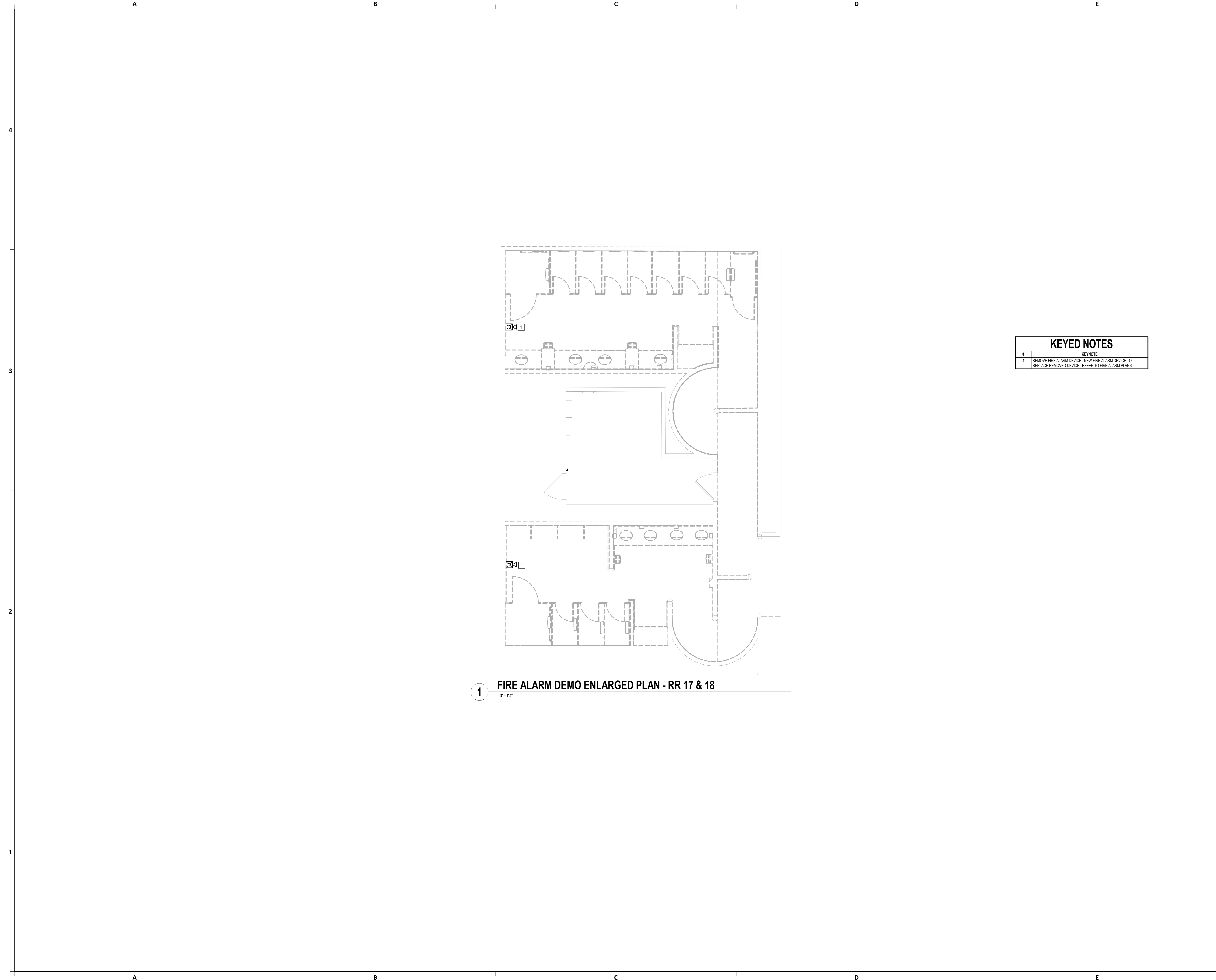
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FIRE ALARM DEMO ENLARGED PLAN - RR 15  
& 16  
SHEET No. FAD4.75 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:



KEYED NOTES	
#	KEYNOTE
1	REMOVE FIRE ALARM DEVICE. NEW FIRE ALARM DEVICE TO REPLACE REMOVED DEVICE. REFER TO FIRE ALARM PLANS.

**1** FIRE ALARM DEMO ENLARGED PLAN - RR 17 & 18  
1/4" = 1'-0"



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SHEET NAME:  
**FIRE ALARM DEMO ENLARGED PLAN - RR 17 & 18**

SHEET No. **FAD4.77** SCALE: **1/4" = 1'-0"**

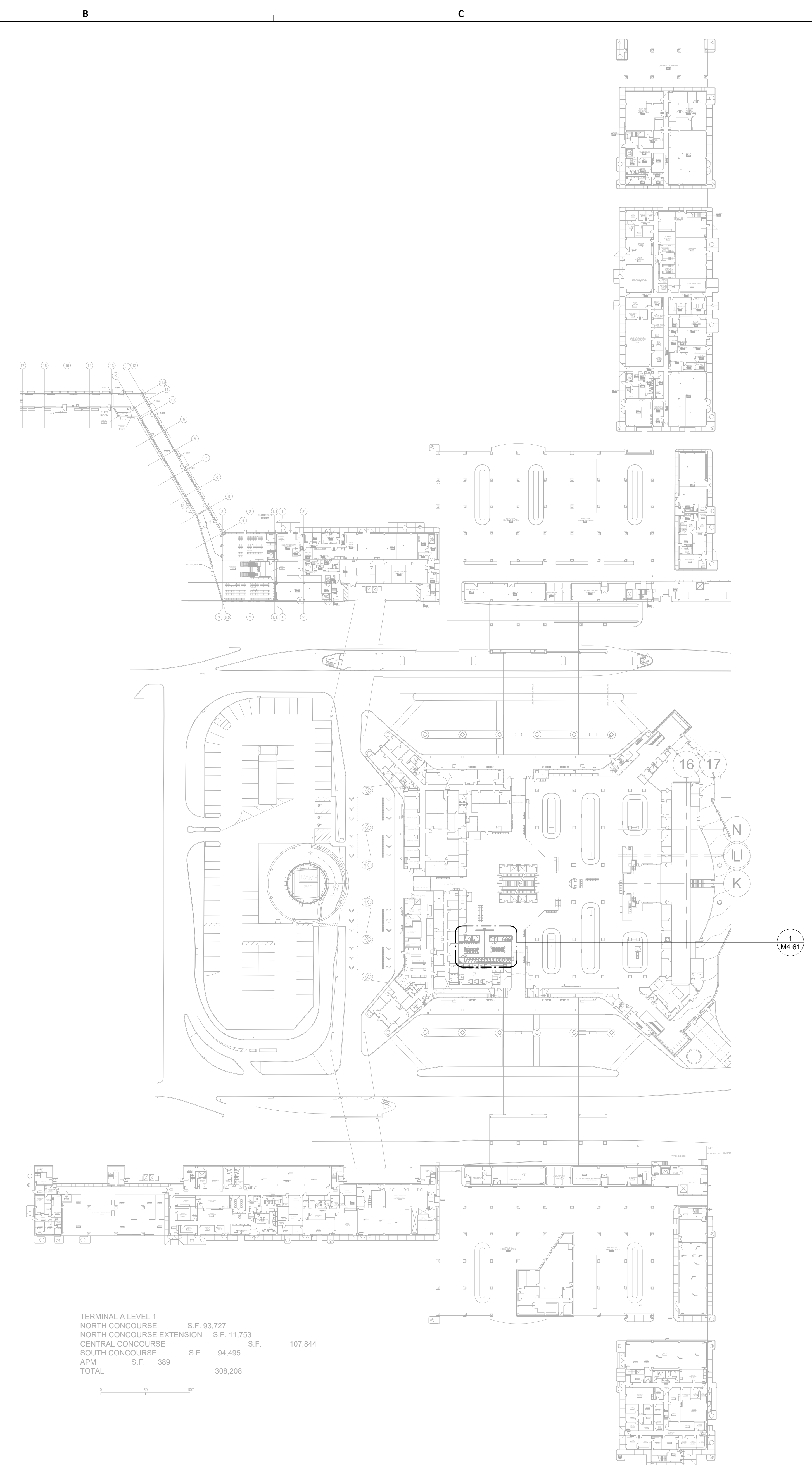
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:

PLOT DATE:



TERMINAL A LEVEL 1			
NORTH CONCOURSE	S.F.	93,727	
NORTH CONCOURSE EXTENSION	S.F.	11,753	
CENTRAL CONCOURSE	S.F.		107,844
SOUTH CONCOURSE	S.F.	94,495	
APM	S.F.	389	
TOTAL			308,208

**1** MECHANICAL OVERALL PLAN - LEVEL 1  
1" = 60'-0"



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No.	DESCRIPTION	DATE BY

DESIGN BY: JE  
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SHEET NAME:  
MECHANICAL OVERALL PLAN - LEVEL 1

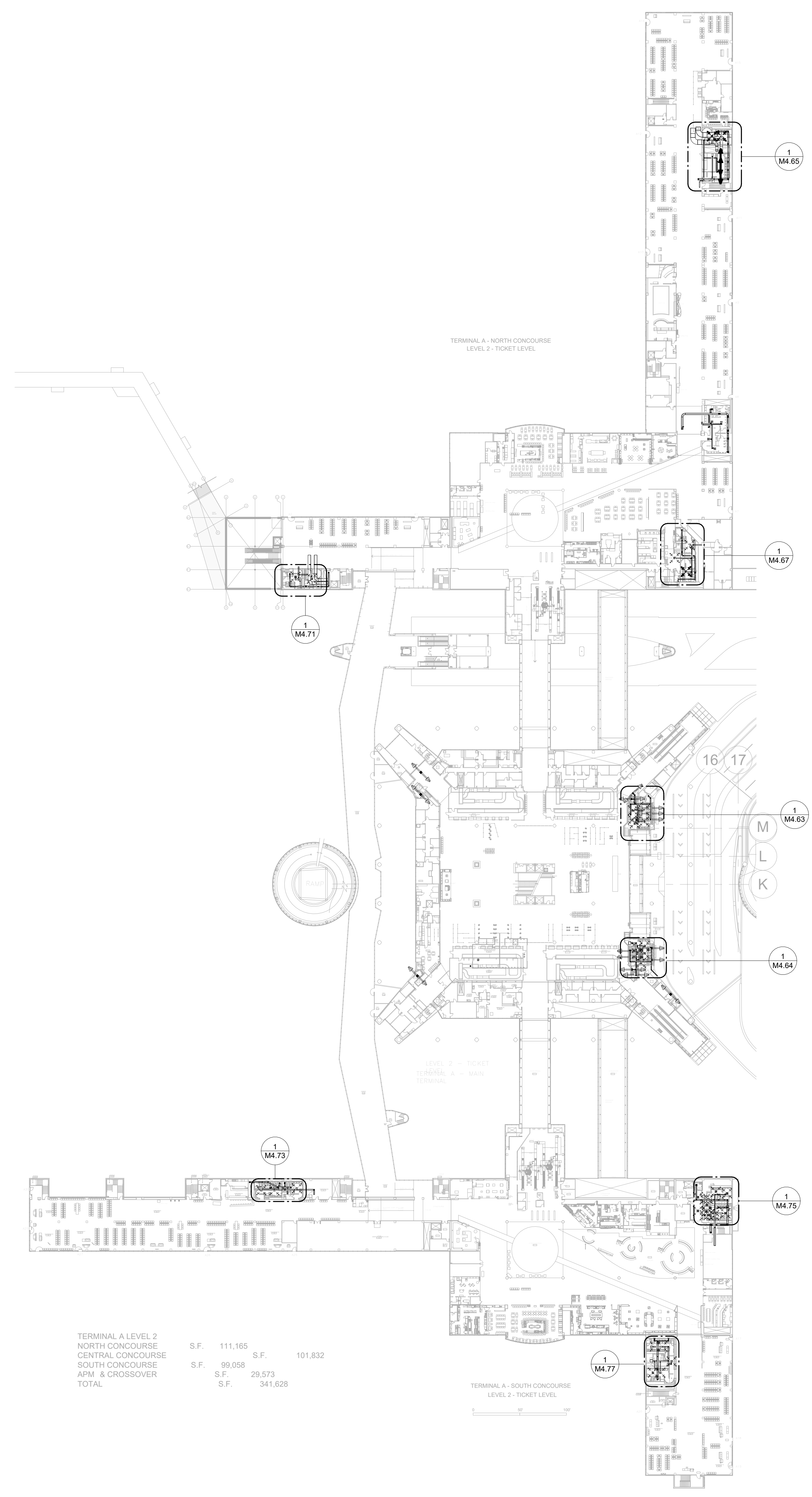
SHEET No. M1.11 SCALE: 1" = 60'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:



TERMINAL A LEVEL 2	S.F.	111,165	S.F.	101,832
NORTH CONCOURSE	S.F.	99,058	S.F.	29,573
CENTRAL CONCOURSE	S.F.	341,628		
SOUTH CONCOURSE				
APM & CROSSOVER				
TOTAL				

1 MECHANICAL OVERALL PLAN - LEVEL 2  
1" = 60'-0"



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SHEET NAME:  
MECHANICAL OVERALL PLAN - LEVEL 2

SHEET No. M1.12 SCALE: 1" = 60'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:

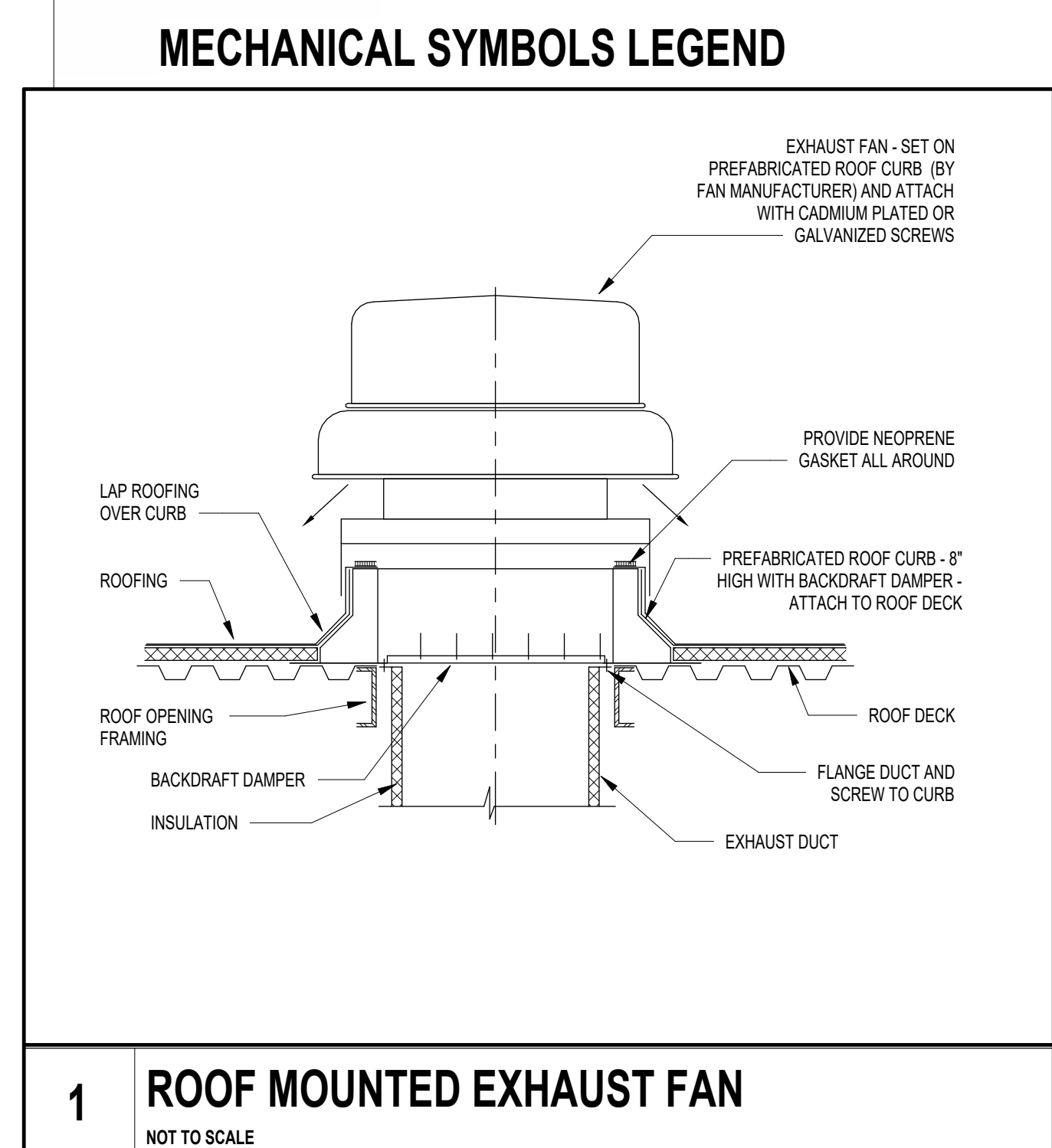
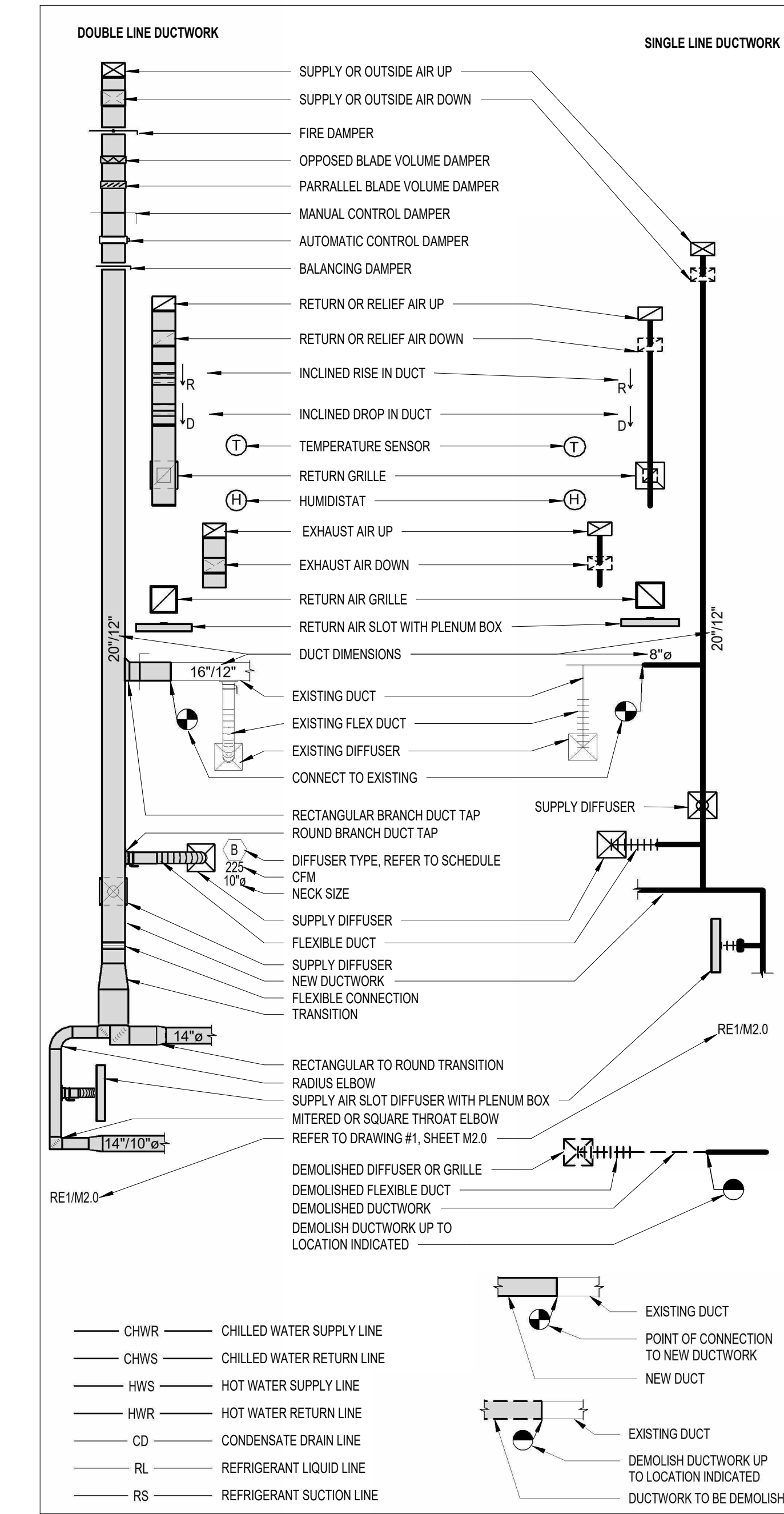
A B C D E

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1



**ENERGY CODE NOTES:**

- DUCT SEALING: DUCTWORK AND PLENUMS SHALL BE SEALED IN ACCORDANCE WITH THE 2015 IECC AND 2015 IMC.
- BALANCING: SYSTEM SHALL BE BALANCED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS (NEBB, AMBC, OR ASHRAE 111). AIR SYSTEMS SHALL BE IN A MANNER TO FIRST MINIMIZE THROTTLING LOSSES. THEN FOR FANS WITH FAN SYSTEM POWER GREATER THAN 1 HP, FAN SPEED SHALL BE ADJUSTED TO MEET DESIGN FLOW CONDITIONS.
- 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 ON 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 SHUTDOWN**  
HVAC SYSTEM 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 LESS THAN 10 HOURS AND INCLUDE AN ACCESSIBLE MANUAL OVERRIDE, OR EQUIVALENT FUNCTION THAT ALLOWS TEMPORARY OPERATION OF THE SYSTEM FOR TWO HOURS.

**SHUTOFF DAMPER CONTROLS**  
BOTH OUTDOOR AIR SUPPLY AND EXHAUST SYSTEMS SHALL BE EQUIPPED WITH 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 RETARDERS WITH A PERM RATING NOT TO EXCEED 0.5 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.

**GENERAL MECHANICAL NOTES:**

- THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND WERE MADE FROM THE BEST INFORMATION AVAILABLE. CONFIRM ALL LOCATIONS AND DIMENSIONS IN THE FIELD. VISIT THE SITE PRIOR TO BID. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CONDITIONS AS THEY EXIST AND NO ADDITIONAL COSTS WILL BE ALLOWED FOR READILY OBSERVABLE CONDITIONS.
- GUARANTEE LABOR AND MATERIALS FOR 1 YEAR.
- COORDINATE THE LOCATION OF ALL AIR DISTRIBUTION DEVICES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN INCLUDING LIGHT FIXTURES AND LIFE SAFETY DEVICES.
- VERIFY LOCATION OF THERMOSTATS/TEMPERATURE SENSORS WITH THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION TO COORDINATE WITH THE LATEST FURNITURE AND MILLWORK PLANS. INSTALL DEVICES AT 48" AFF, UNLESS NOTED OTHERWISE ON THE PLANS.
- ALL WORK SHALL COMPLY WITH THE LOCAL BUILDING, PLUMBING, AND MECHANICAL CODES, NFPA 90A, AND ANY OTHER APPLICABLE CODES.
- ALL LOCATIONS OF DEVICES ARE APPROXIMATE. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
- SEAL NEW OR EXISTING PENETRATIONS IN OF FLOORS, RATED PARTITIONS, AND CORRIDOR WALLS.
- SECURE ALL PERMITS AND PROVIDE ANY REQUIRED TEMPORARY UTILITIES.
- ALL WORK AND SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER SUCH THAT THE WORK IS PERFORMED AT THE OWNERS CONVENIENCE. THIS MAY BE DURING EVENINGS AND WEEKENDS.
- CONTRACTOR TO PROVIDE "AS-BUILT" DRAWINGS INDICATING THE CONFIGURATION OF THE CONSTRUCTED WORK.
- SUBMIT INFORMATION ON ALL NEW EQUIPMENT IN THE FORM OF SHOP DRAWINGS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR THE CORRECT PROCEDURE. PROVIDE AIR BALANCE REPORT AND SUBMIT FOR APPROVAL.
- PROVIDE 3 COPIES OF THE OPERATION AND MAINTENANCE MANUALS TO THE OWNER. PROVIDE INSTRUCTION ON THE SYSTEM OPERATION TO THE OWNER.
- FLEX DUCT LENGTH NOT TO EXCEED 6'-0". PROVIDE MANUAL DAMPER AT ALL TAKE-OFFS.
- ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS. DUCTWORK SHALL BE GALVANIZED STEEL WITH MIN R-4 EXTERNAL FIBERGLASS INSULATION AND FOL VAPOR BARRIER.
- ALL DUCTWORK DIMENSIONS ARE CLEAR INSIDE DIMENSIONS.
- TURNING VANES ARE REQUIRED AT EACH TURN IN THE DUCT. EXTRACTORS ARE REQUIRED AT EACH SPLIT.



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

REVISIONS		
No.	DESCRIPTION	DATE BY

**DESIGN BY:** JE  
**DRAWN BY:** JE  
**CHECKED BY:** JE  
**ISSUE DATE:** 06/05/2023  
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**APPROVAL DATE:** 03.15.24

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03/15/2024  
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**SHEET NAME:** MECHANICAL DETAILS  
**SHEET No.:** M3.01 **SCALE:** As indicated

**SHEET SIZE:** 30"x42" ARCH E1



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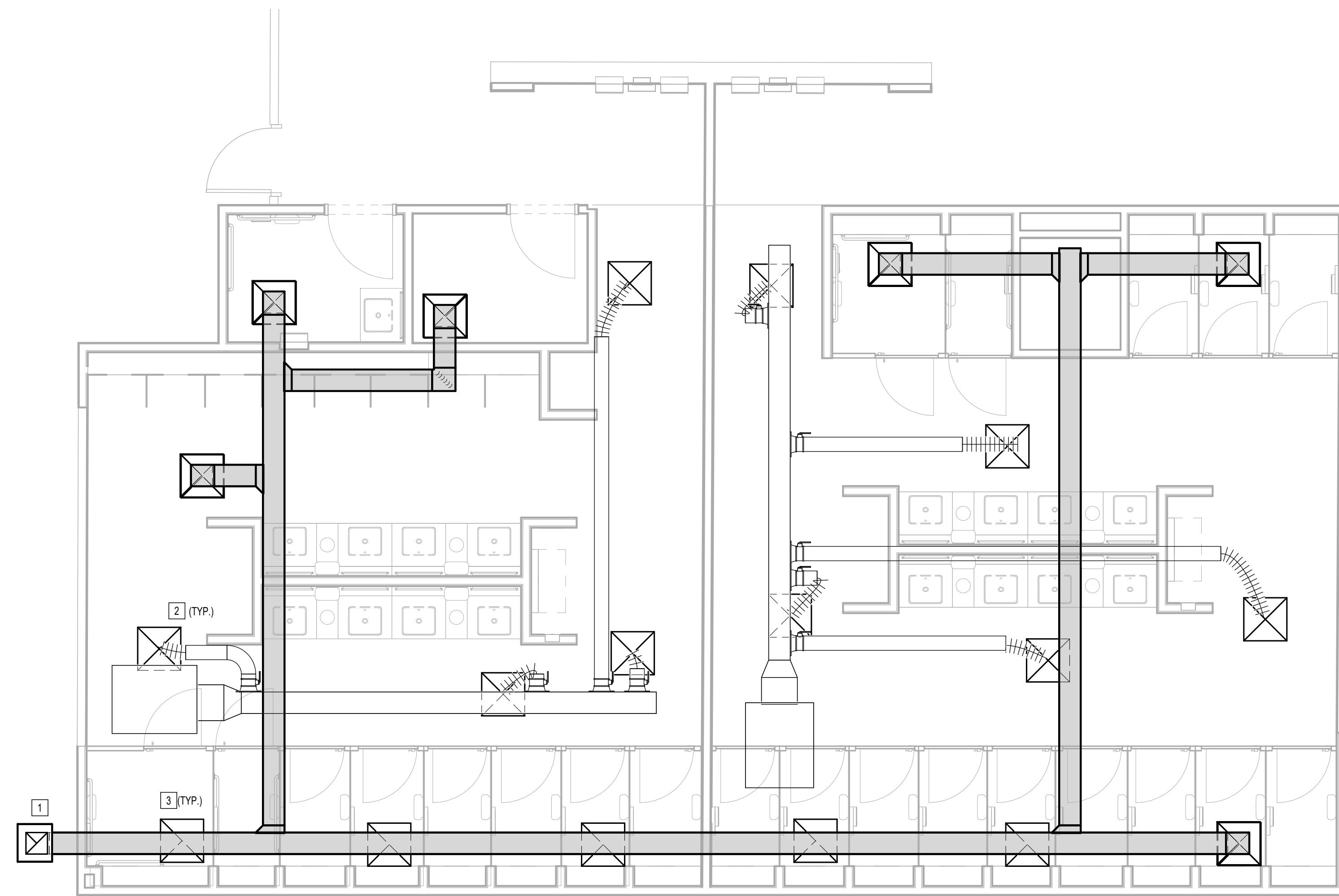
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SHEET NAME:  
MECHANICAL ENLARGED PLAN - RR 1 & 2  
SHEET No. M4.61 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLAN KEYED NOTES	
#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL KGB-220 OR PROVEN EQUAL. 5000 CFM, 1.0 IN EXT. STATIC PRESSURE. 2 HP. ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASCO LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE SOFLAY IN GRILLE OR PROVEN EQUAL.



**1 MECHANICAL ENLARGED PLAN - RR 1 & 2**  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
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PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt

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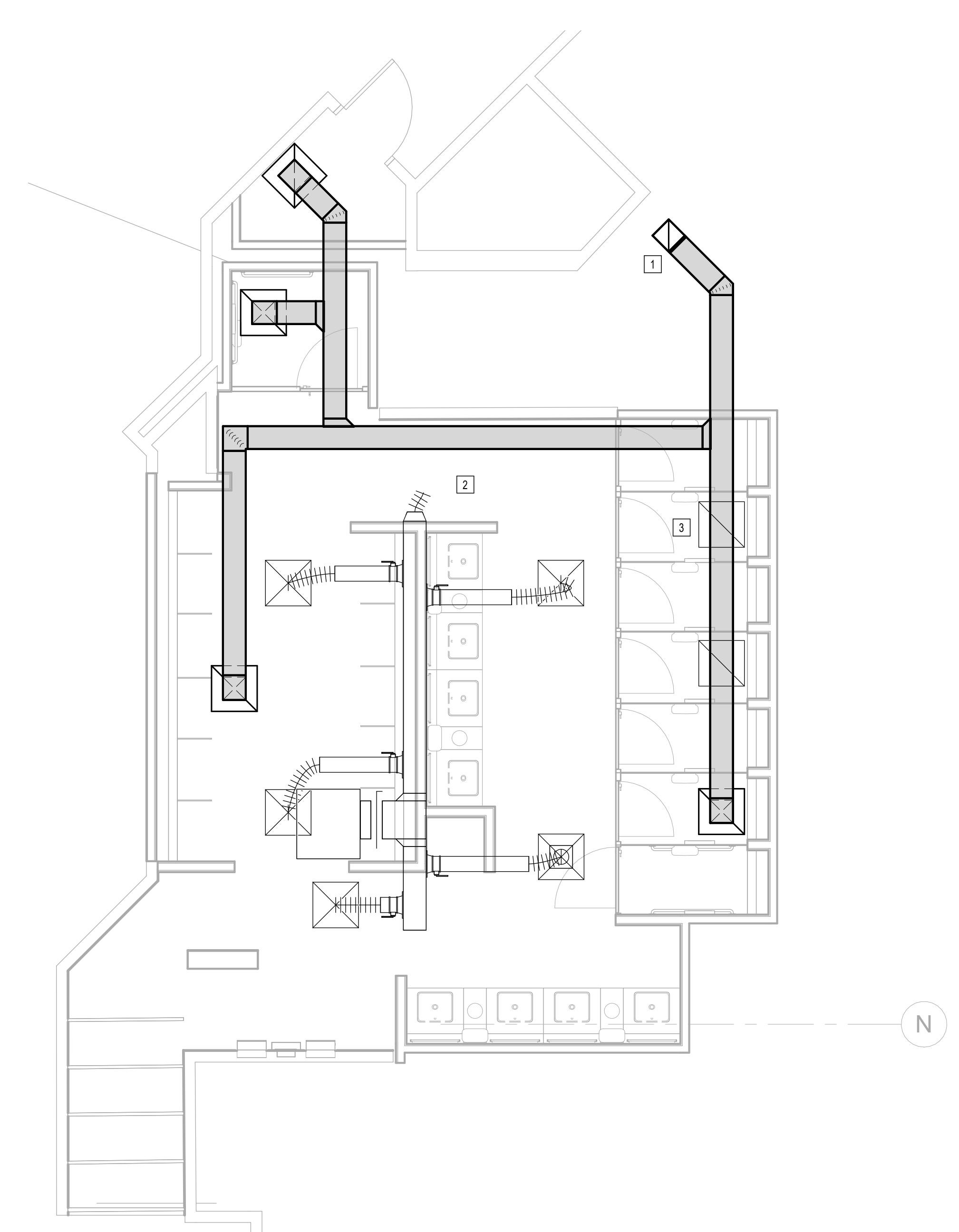


PLOT DATE:  
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OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:

**1** MECHANICAL ENLARGED PLAN - RR 3  
1/4" = 1'-0"



PLAN KEYED NOTES	
#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL HGB220 OR PROVEN EQUAL. 5000 CFM, 1.0 IN EXT. STATIC PRESSURE, 2 HP. ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASQD LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE SQFLY IN GRILLE OR PROVEN EQUAL.



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SHEET NAME:  
MECHANICAL ENLARGED PLAN - RR 3

SHEET No. M4.63 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



2800 N Terminal Rd  
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### IAH TERMINAL A - RESTROOMS REFRESH

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DESIGNER PROJECT No.:  
PROJECT STATUS:

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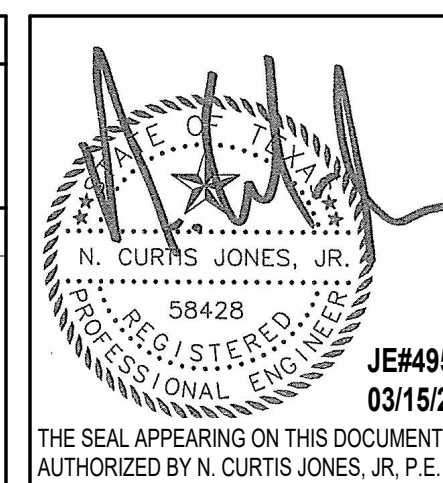
### REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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CHECKED BY: JE  
ISSUE DATE: 05/02/23  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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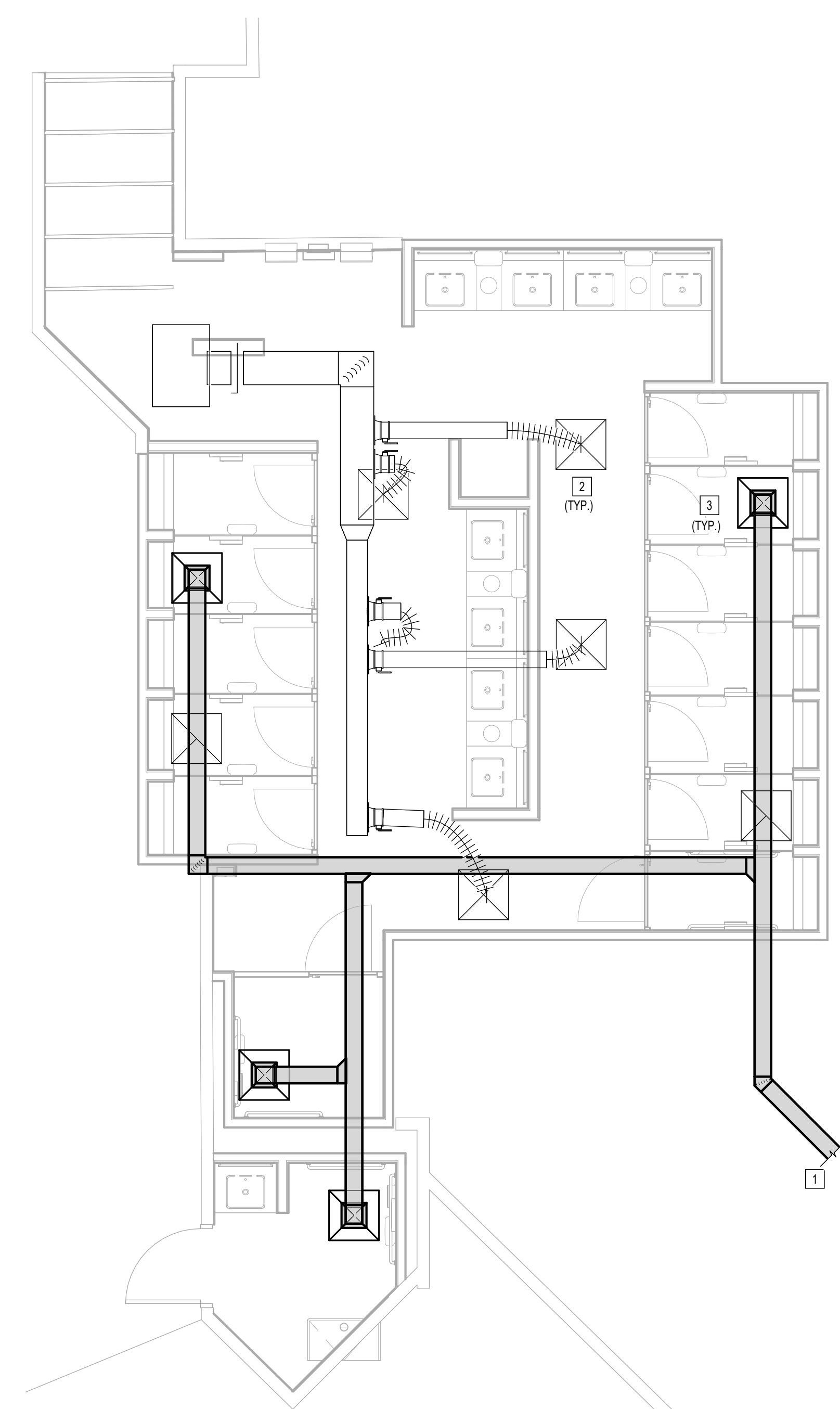


SHEET NAME: MECHANICAL ENLARGED PLAN - RR 4

SHEET No. M4.64 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL #GB-220 OR PROVEN EQUAL. 5000 CFM. 1.0 IN EXT. STATIC PRESSURE.
2	2 HP. ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASQD LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE \$6FLAY IN GRILLE OR PROVEN EQUAL.



1 MECHANICAL ENLARGED PLAN - RR 4  
1/4" = 1'-0"

PLOT DATE:  
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OLD DOA No.:

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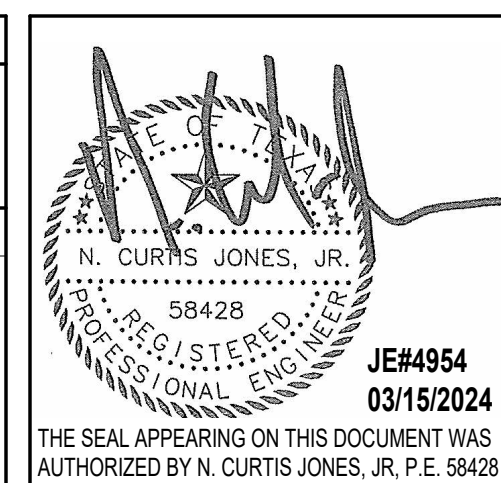
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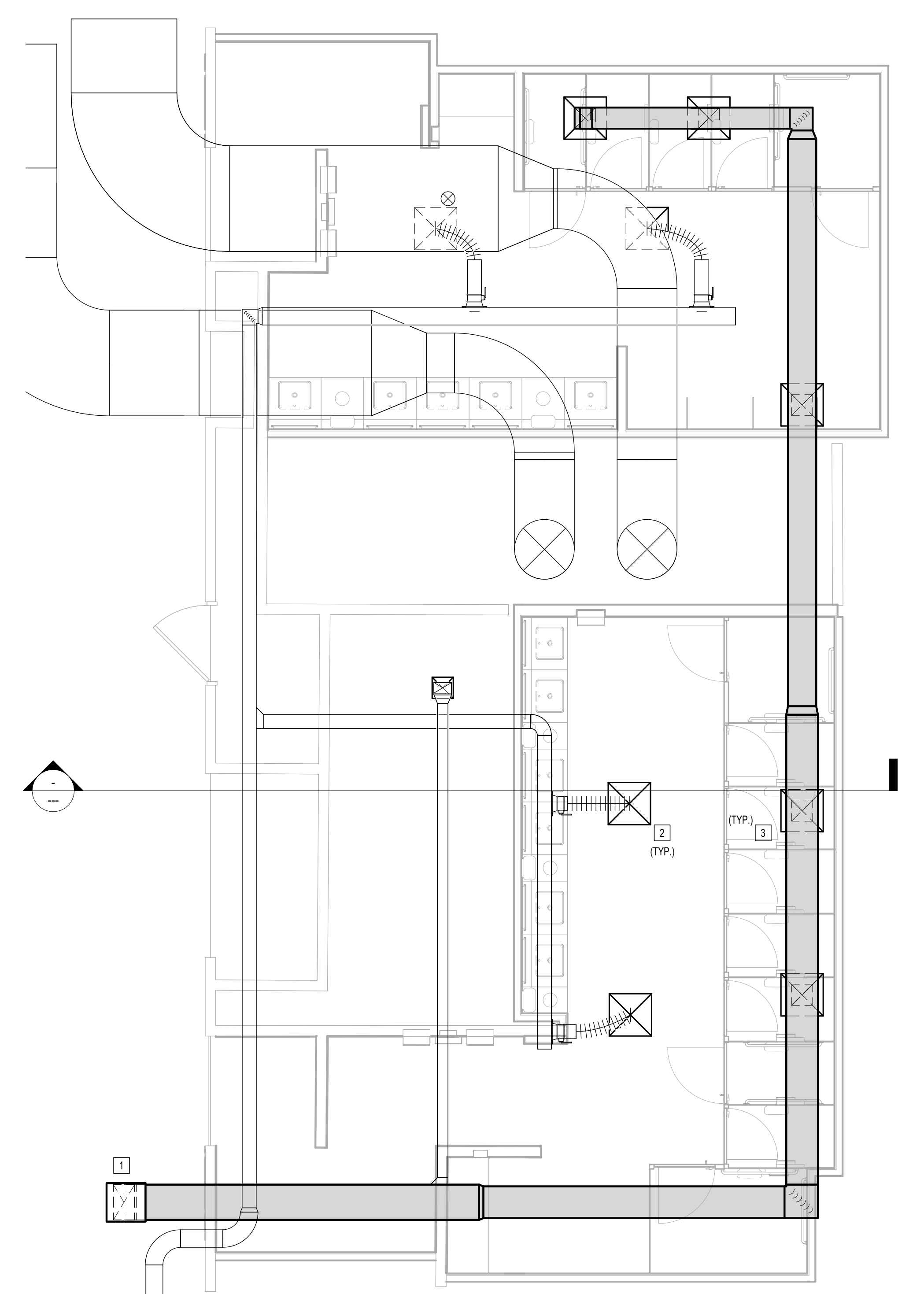


SHEET NAME:  
MECHANICAL ENLARGED PLAN - RR 5 & 6

SHEET No. M4.65 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL #GB-280 OR PROVEN EQUAL. 5000 CFM, 1.0 IN EXT. STATIC PRESSURE.
2	2 HP ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASCO LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE SIFLAY IN GRILLE OR PROVEN EQUAL.



**1 MECHANICAL ENLARGED PLAN - RR 5 & 6**  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
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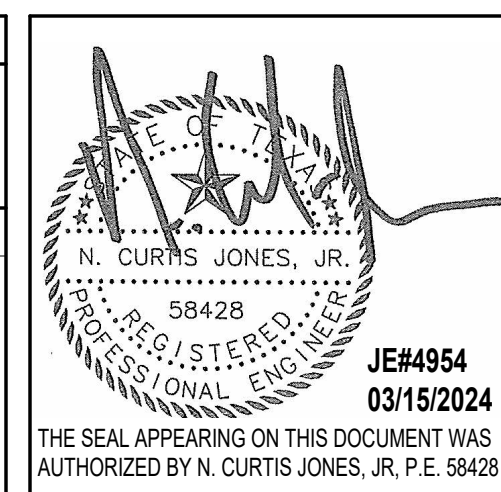
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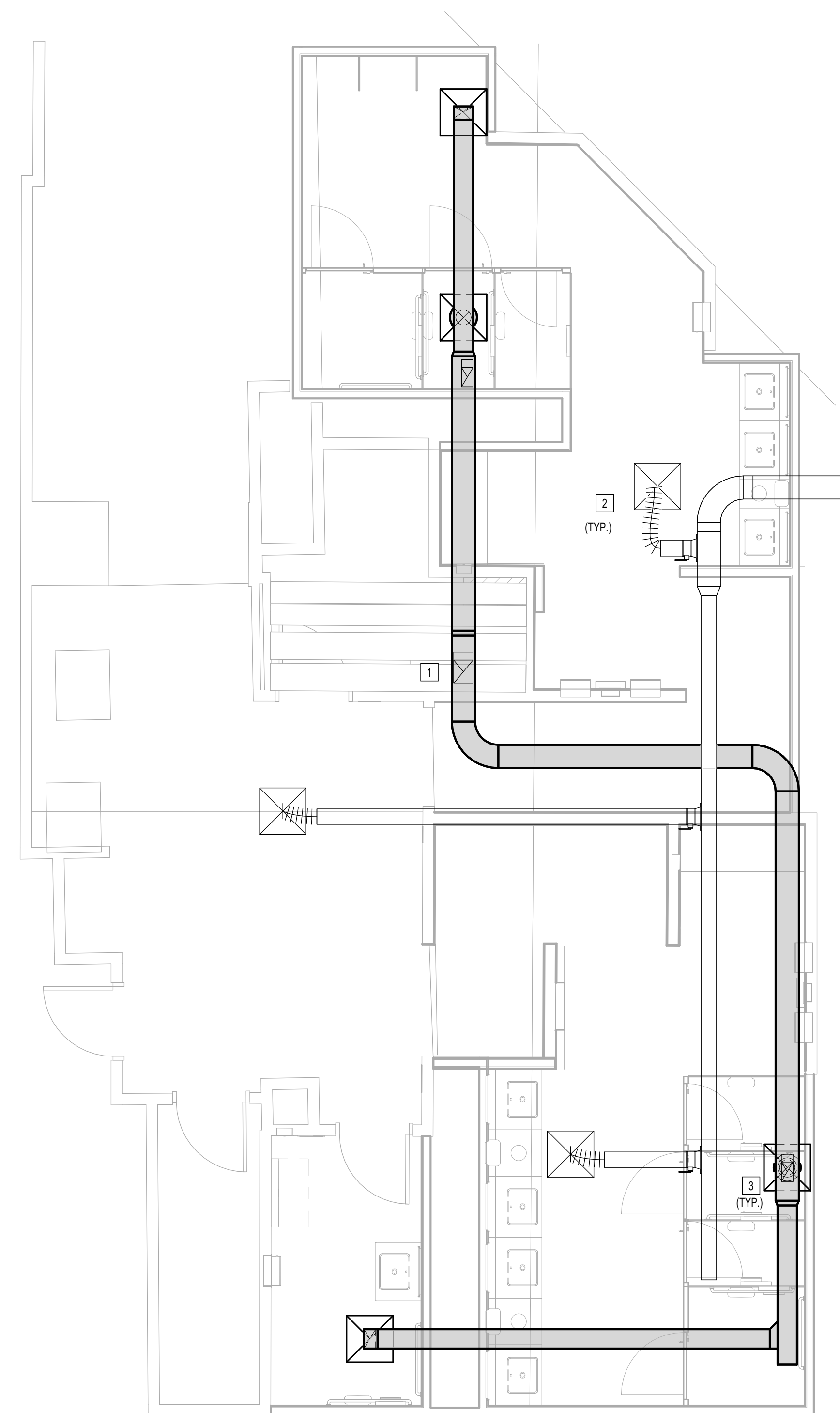


SHEET NAME:  
MECHANICAL ENLARGED PLAN - RR 9 & 10

SHEET No. M4.67 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLAN KEYED NOTES	
#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL #39-220 OR PROVEN EQUAL. 5000 CFM, 1.0 IN EXT. STATIC PRESSURE.
2	2 HP ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASCO LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE SIFLAY IN GRILLE OR PROVEN EQUAL.



**1** MECHANICAL ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"

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

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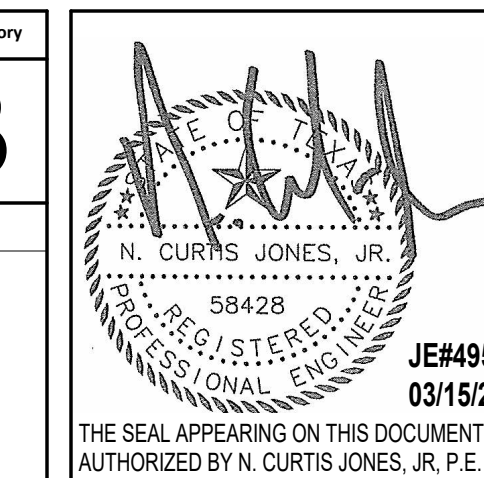
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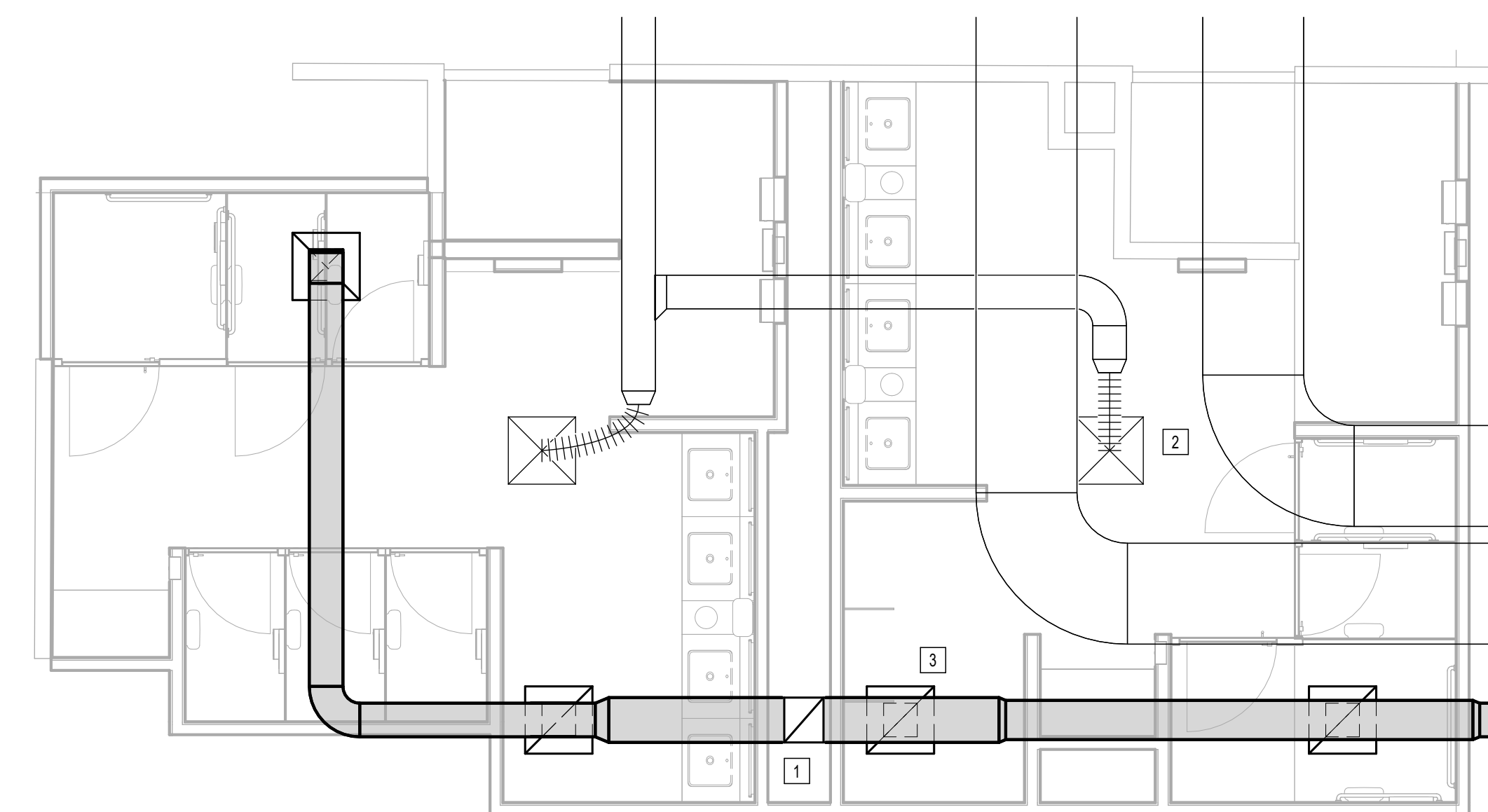
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SHEET NAME:  
MECHANICAL ENLARGED PLAN - RR 11 & 12

SHEET No. M4.71 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1 MECHANICAL ENLARGED PLAN - RR 11 & 12**

1/4" = 1'-0"

#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL R6B-220 OR PROVEN EQUAL. 5000 CFM, 1.0 IN EXT. STATIC PRESSURE
2	2 HP ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASQD LAY IN DIFFUSERS OR PROVEN EQUAL. BALANCE TO EXISTING CFM
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE SOFLAY IN GRILLE OR PROVEN EQUAL.

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt

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OLD DOA No. :  
PLOT DATE:

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DOA DWG FILE:  
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PLOT DATE:



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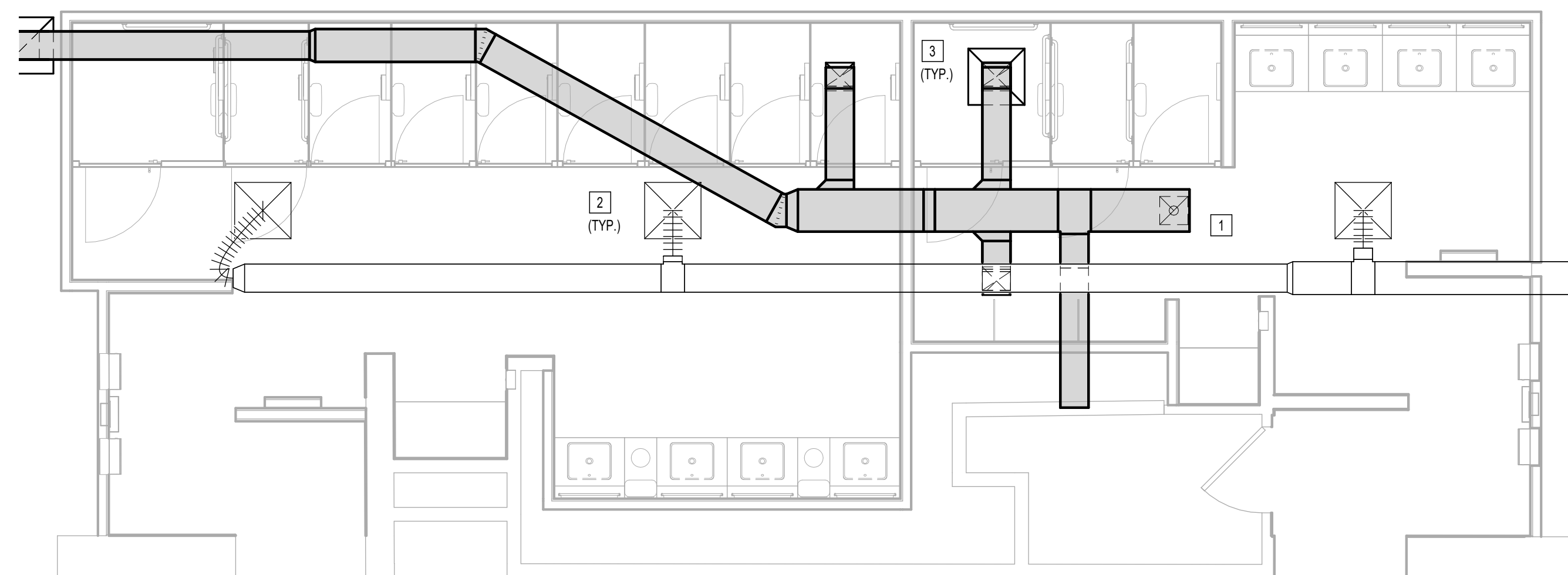
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SHEET NAME:  
**MECHANICAL ENLARGED PLAN - RR 13 & 14**

SHEET No. M4.73 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

PLAN KEYED NOTES	
#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL RGB-220 OR PROVEN EQUAL. 5000 CFM. 1.0 IN EXT. STATIC PRESSURE.
2	HP. ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASCD LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE 50FLAY IN GRILLE OR PROVEN EQUAL.



**1 MECHANICAL ENLARGED PLAN - RR 13 & 14**  
1/4" = 1'-0"

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

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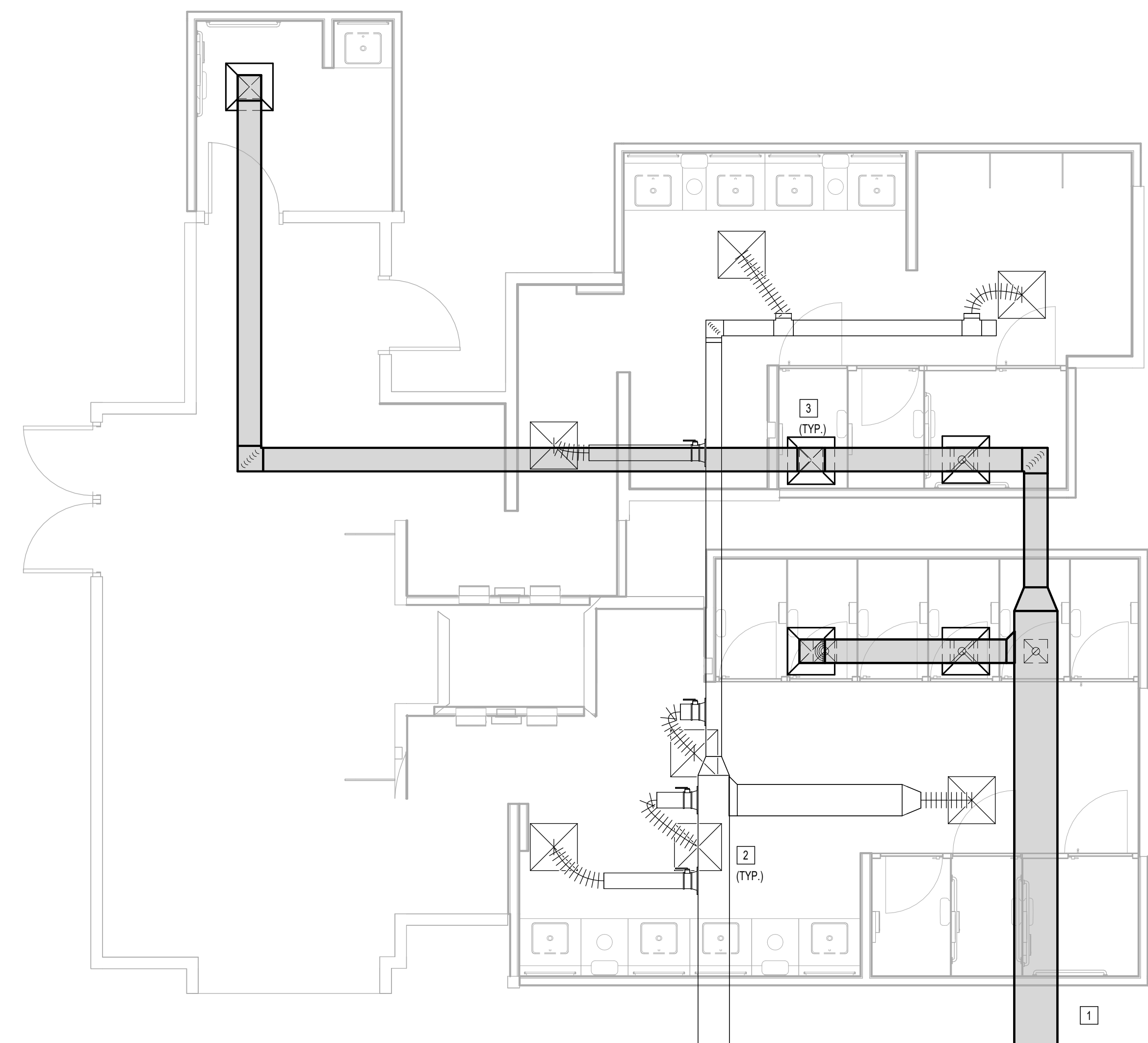
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SHEET NAME:  
**MECHANICAL ENLARGED PLAN - RR 15 & 16**

SHEET No. M4.75 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL #GB-220 OR PROVEN EQUAL. 5000 CFM. 1.0 IN EXT. STATIC PRESSURE
2	2 HP. ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE ASKO LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE 50% LAY IN GRILLE OR PROVEN EQUAL.



**1 MECHANICAL ENLARGED PLAN - RR 15 & 16**  
1/4" = 1'-0"

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

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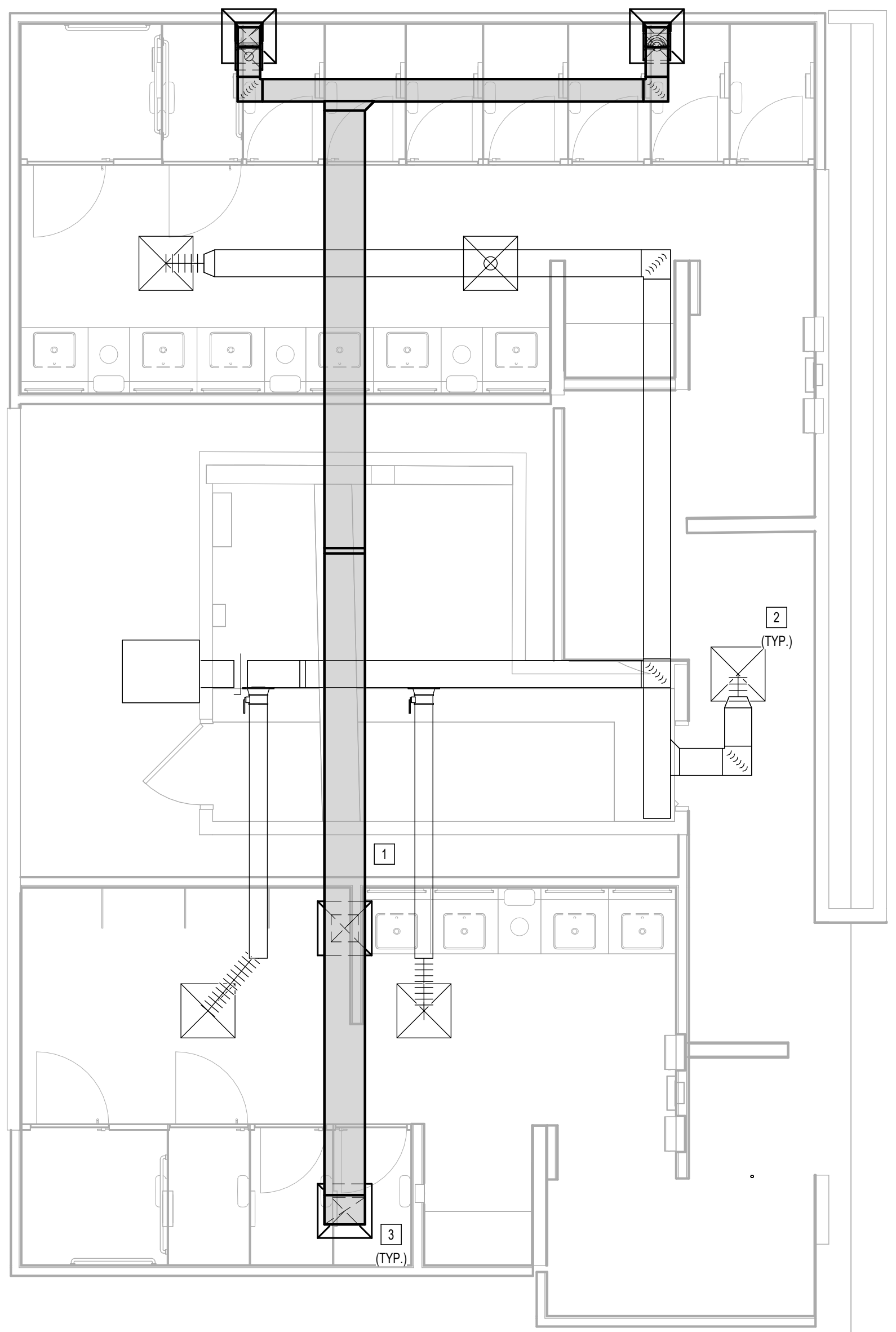
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SHEET NAME:  
MECHANICAL ENLARGED PLAN - RR 17 & 18

SHEET No. M4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	NEW EXHAUST FAN ON ROOF. TO BE GREENHECK MODEL #GB-220 OR PROVEN EQUAL. 5000 CFM. 1.0 IN EXT. STATIC PRESSURE. 2 HP. ELECTRICAL SUBCONTRACTOR TO VERIFY EXISTING CIRCUIT IS NOT BEING OVERLOADED.
2	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE AS CD LAY IN DIFFUSER OR PROVEN EQUAL. BALANCE TO EXISTING CFM.
3	NEW AIR DEVICE TO REPLACE EXISTING. TO BE PRICE AS CD LAY IN GRILLE OR PROVEN EQUAL.



1 MECHANICAL ENLARGED PLAN - RR 17 & 18  
1/4" = 1'-0"

PLOT DATE:  
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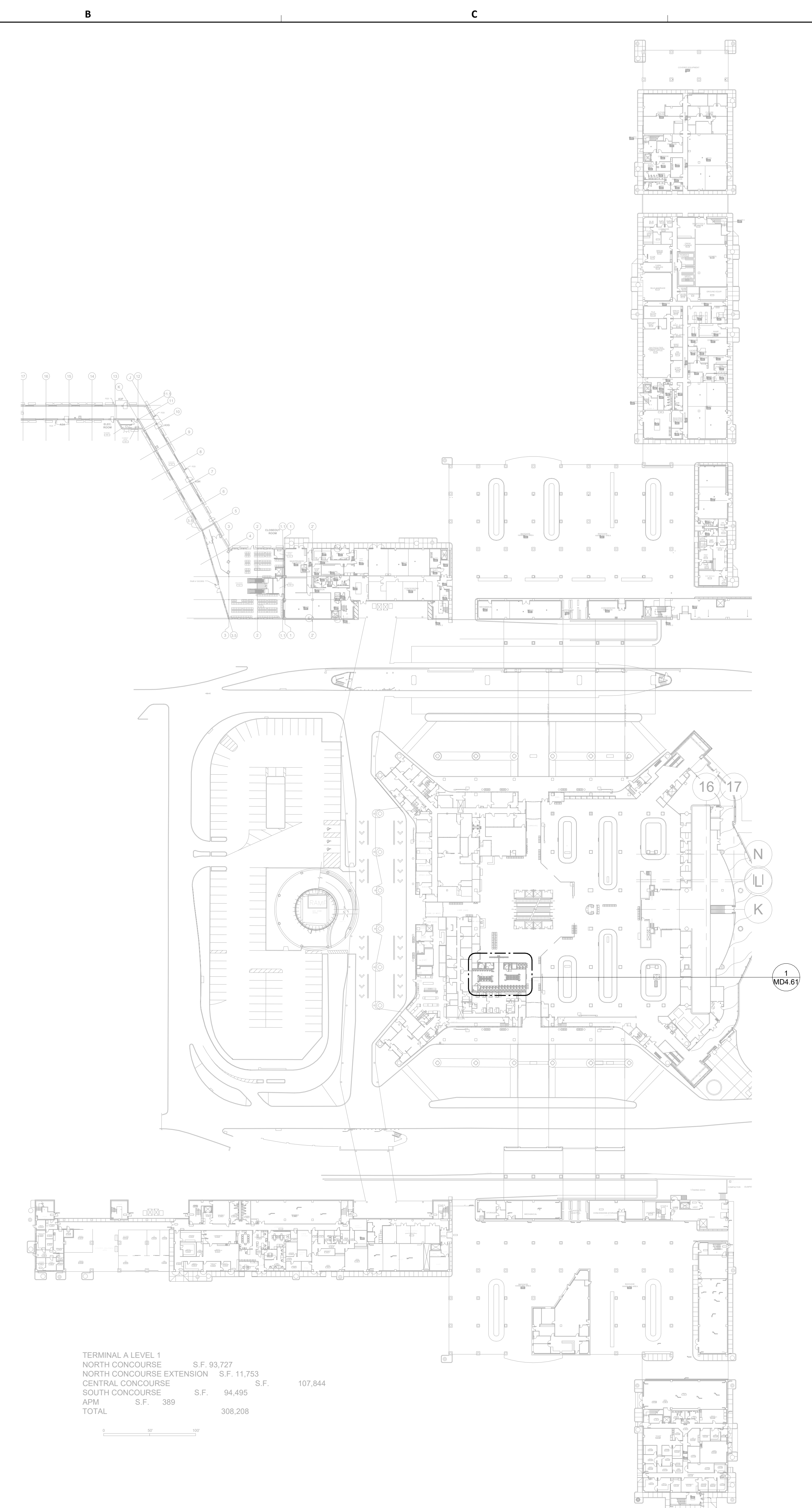


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PLOT DATE:



TERMINAL A LEVEL 1			
NORTH CONCOURSE	S.F.	93,727	
NORTH CONCOURSE EXTENSION	S.F.	11,753	
CENTRAL CONCOURSE	S.F.		107,844
SOUTH CONCOURSE	S.F.	94,495	
APM	S.F.	389	
TOTAL			308,208

**1** MECHANICAL DEMO OVERALL PLAN - LEVEL 1  
1" = 60'-0"



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**IAH TERMINAL A - RESTROOMS  
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SHEET NAME:  
**MECHANICAL DEMO OVERALL PLAN - LEVEL 1**

SHEET No. MD1.11 SCALE: 1" = 60'-0"

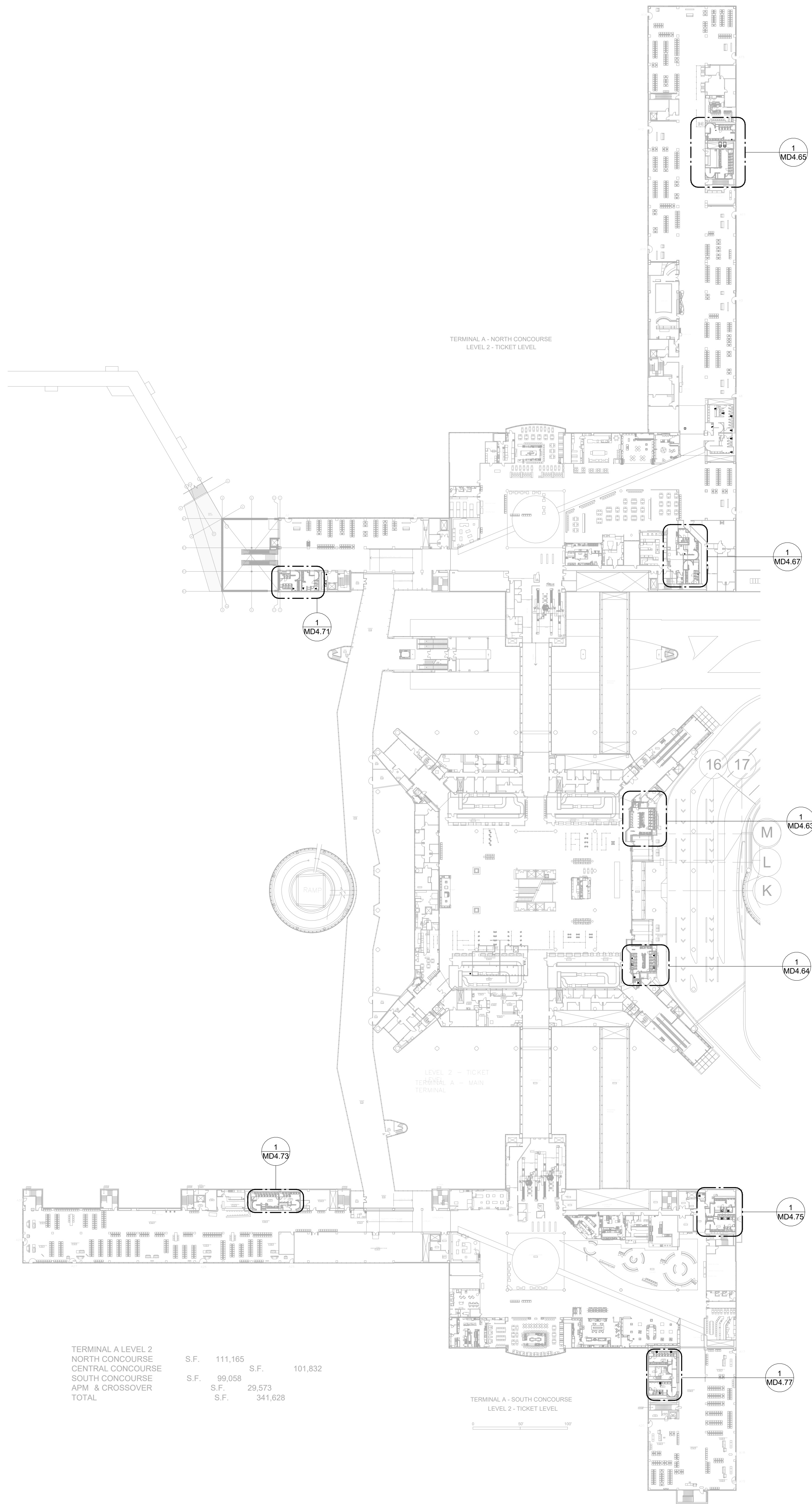
SHEET SIZE: 30"x42" ARCH E1

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**1** MECHANICAL DEMO OVERALL PLAN - LEVEL 2

1" = 60'-0"



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SHEET NAME:  
MECHANICAL DEMO OVERALL PLAN - LEVEL 2

SHEET No. MD1.12 SCALE: 1" = 60'-0"

SHEET SIZE: 30"x42" ARCH E1



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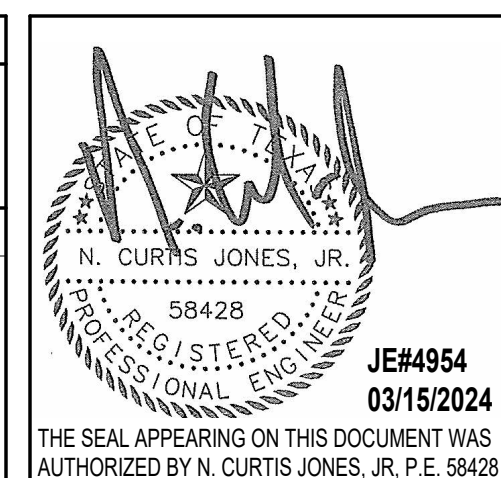
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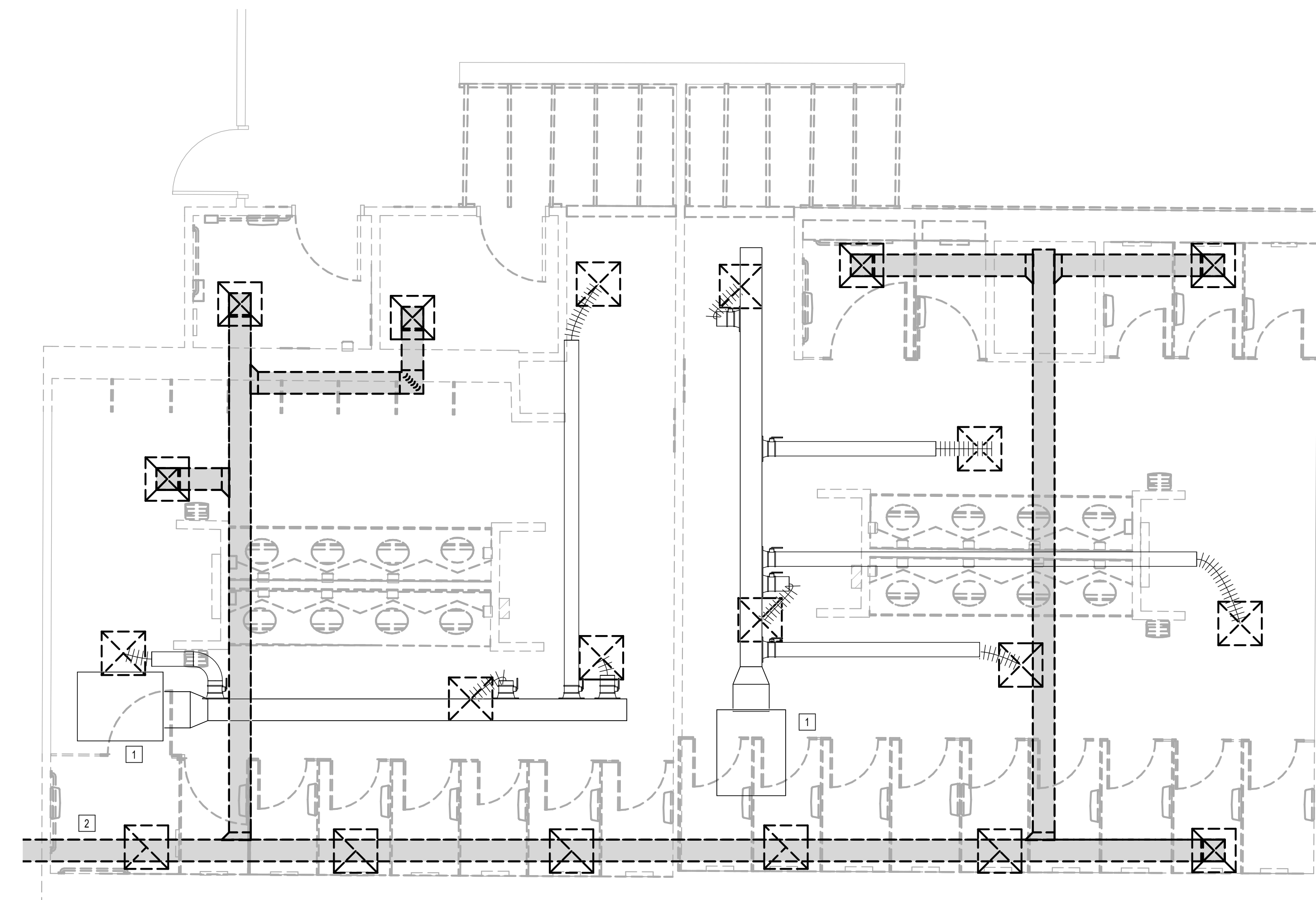
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SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 1  
& 2  
SHEET No. MD4.61 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.



**1 MECHANICAL DEMO ENLARGED PLAN - RR 1 & 2**  
1/4" = 1'-0"

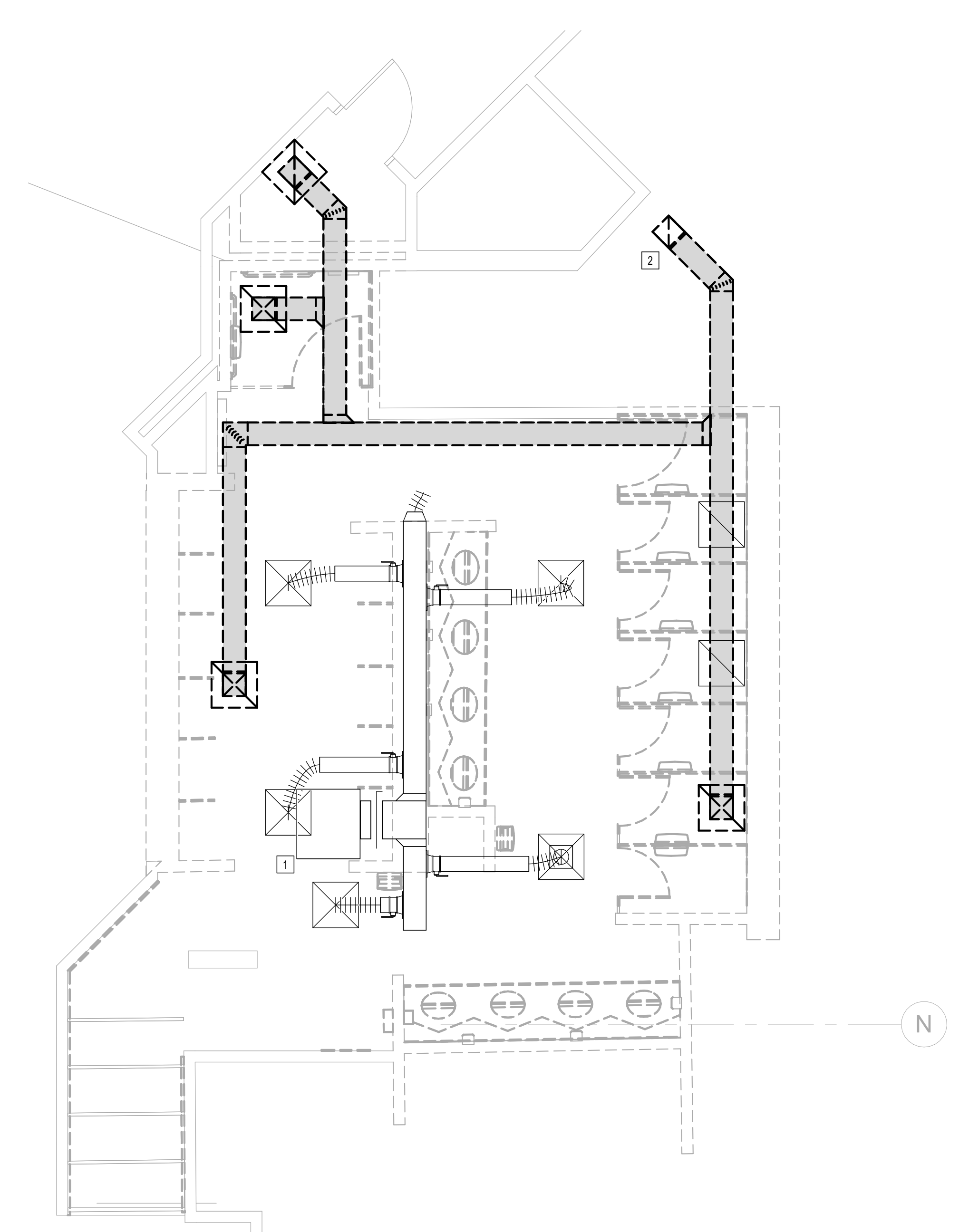
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PLOT DATE:

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1 MECHANICAL DEMO ENLARGED PLAN - RR 3  
1/4" = 1'-0"



PLAN KEYED NOTES	
#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.



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

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

REVISIONS		
No.	DESCRIPTION	DATE BY

DESIGN BY: JE  
DRAWN BY: JE  
CHECKED BY: JE  
ISSUE DATE: 05/02/23  
APPROVED BY: JE  
APPROVAL DATE: 03.15.24

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---	--

SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 3

SHEET No. MD4.63 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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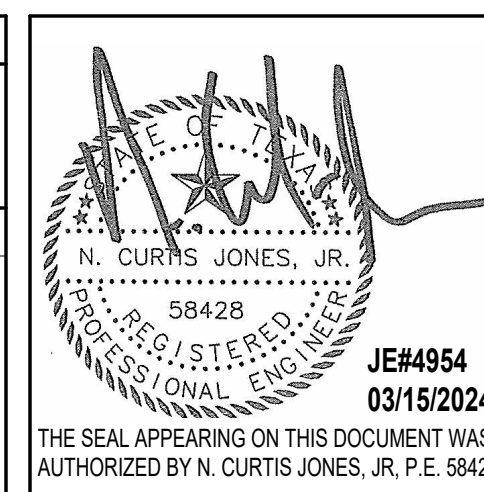
No.	DESCRIPTION	DATE	BY

DESIGN BY: JE  
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 CHECKED BY: JE  
 ISSUE DATE: 05/02/23  
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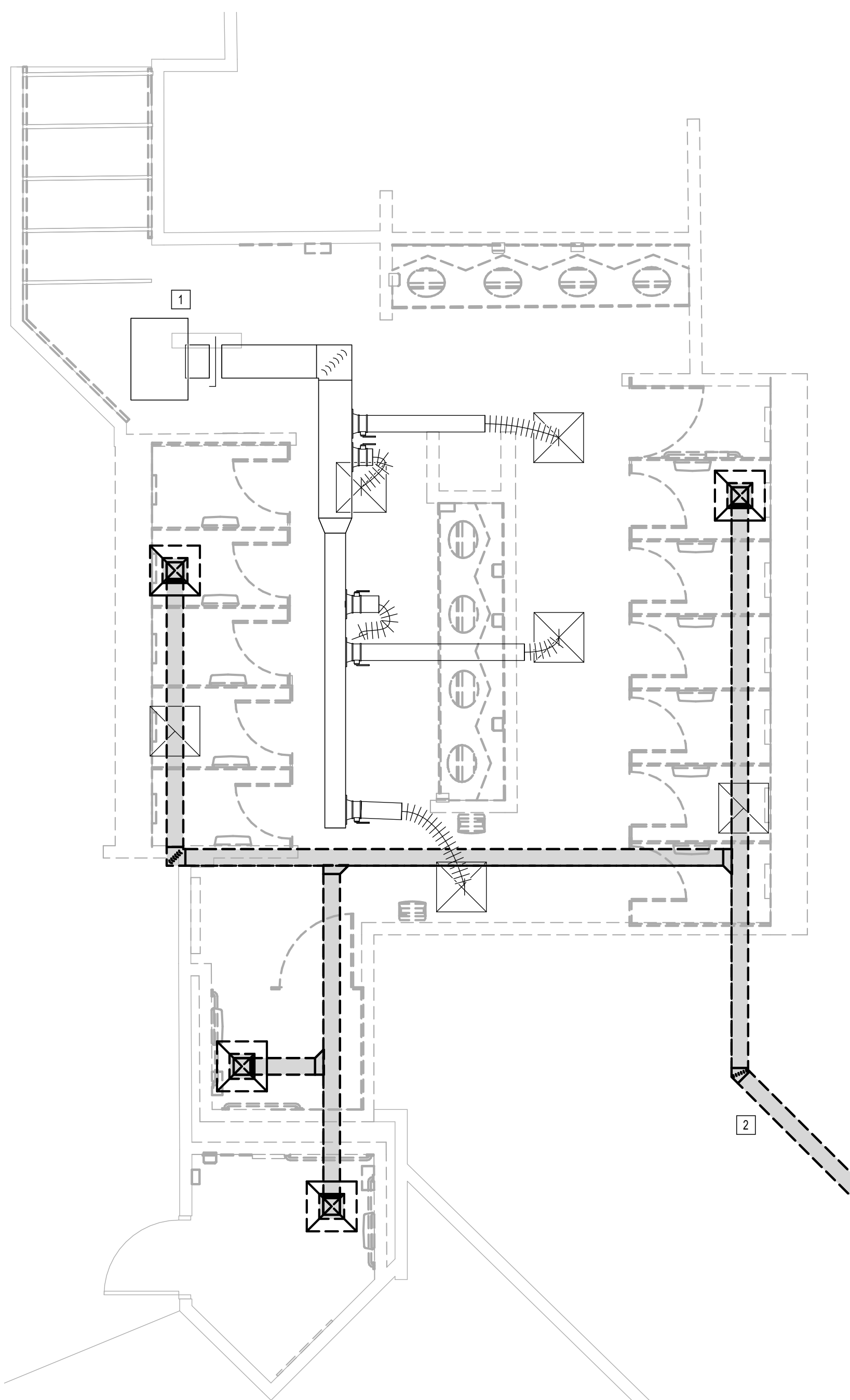
SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 4

SHEET No. MD4.64 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

**PLAN KEYED NOTES**

#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.



**1** MECHANICAL DEMO ENLARGED PLAN - RR 4  
1/4" = 1'-0"

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
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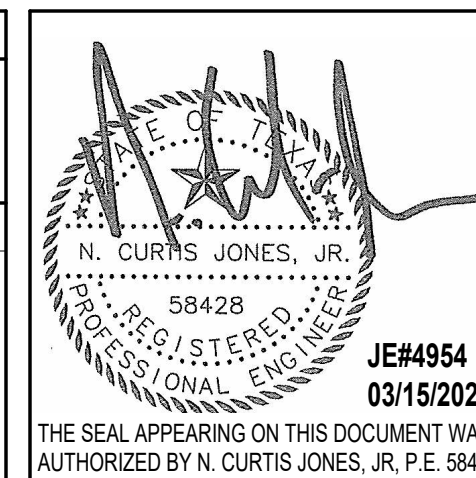
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No.	DESCRIPTION	DATE	BY

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 ISSUE DATE: 05/02/23  
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 APPROVAL DATE: 03.15.24

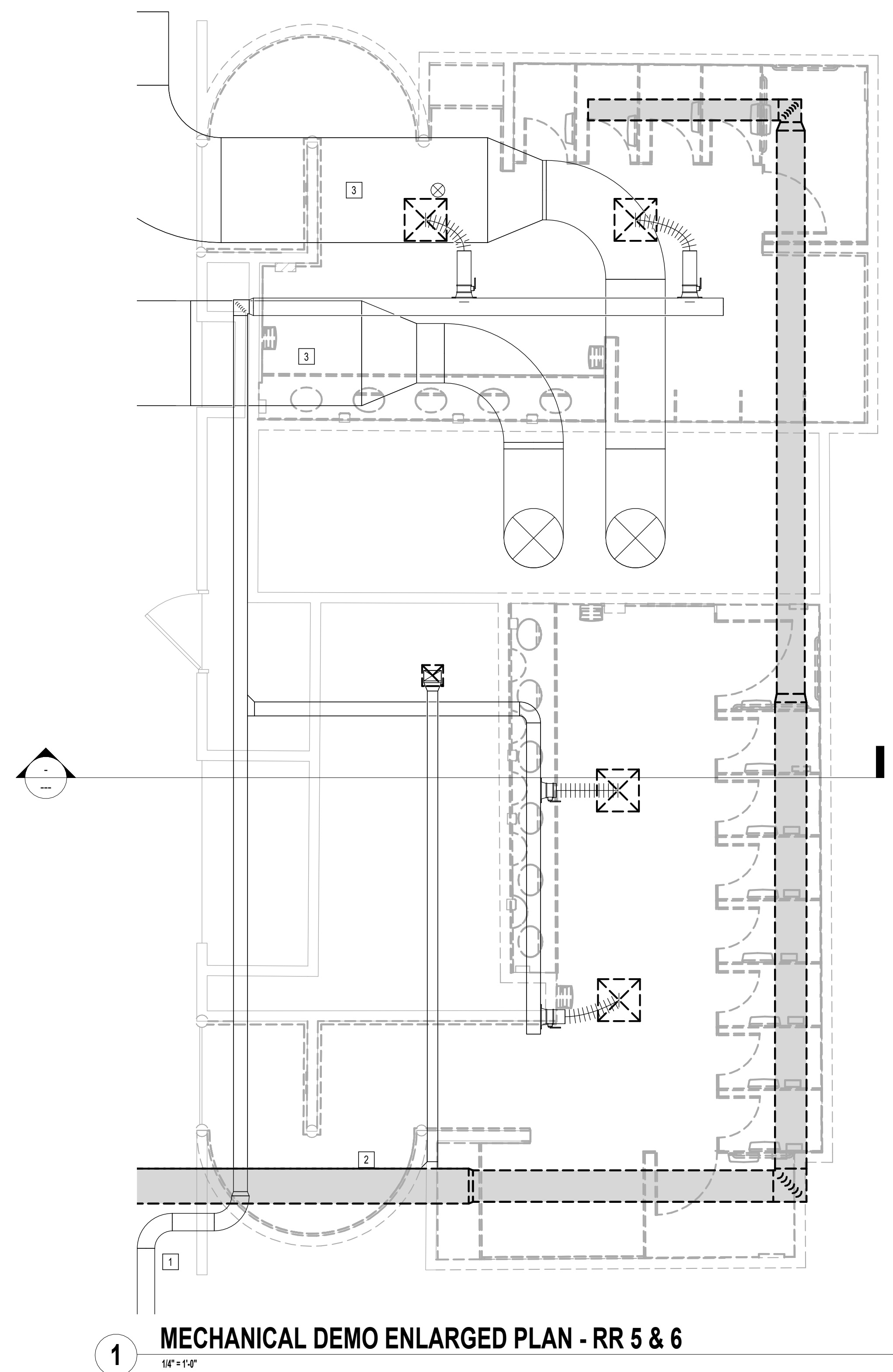
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SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 5  
& 6  
SHEET No. MD4.65 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



PLAN KEYED NOTES	
#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.

**1 MECHANICAL DEMO ENLARGED PLAN - RR 5 & 6**  
1/4" = 1'-0"

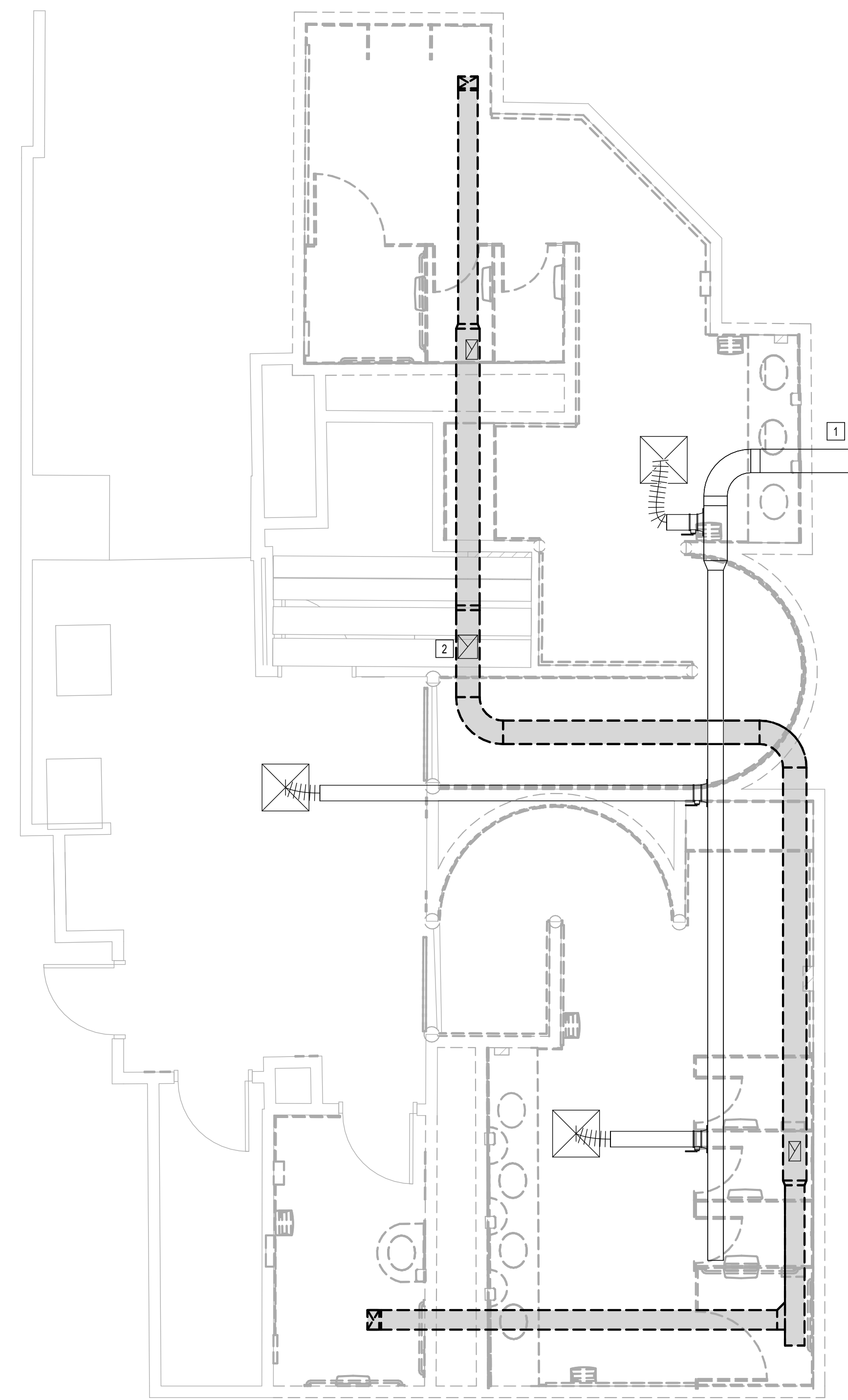
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:

PLOT DATE:



PLAN KEYED NOTES	
#	NOTE
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2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.

1 MECHANICAL DEMO ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"



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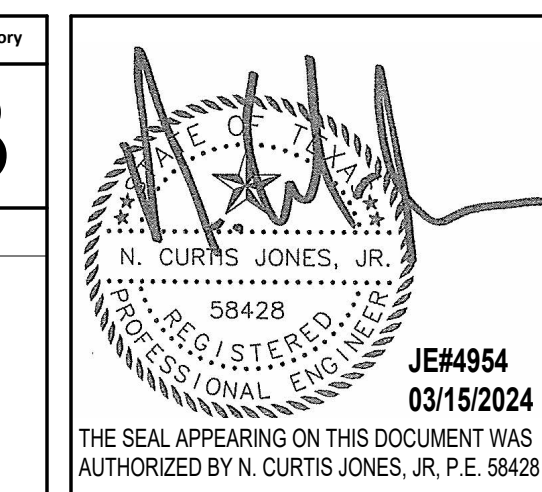
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No.	DESCRIPTION	DATE	BY

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ISSUE DATE: 05/02/23  
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SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 9  
& 10  
SHEET No. MD4.67 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1



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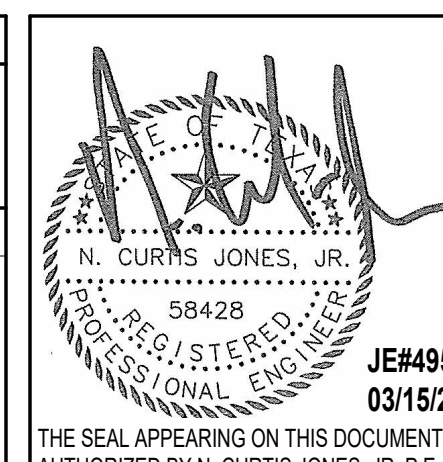
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DESIGN BY: JE  
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ISSUE DATE: 05/02/23  
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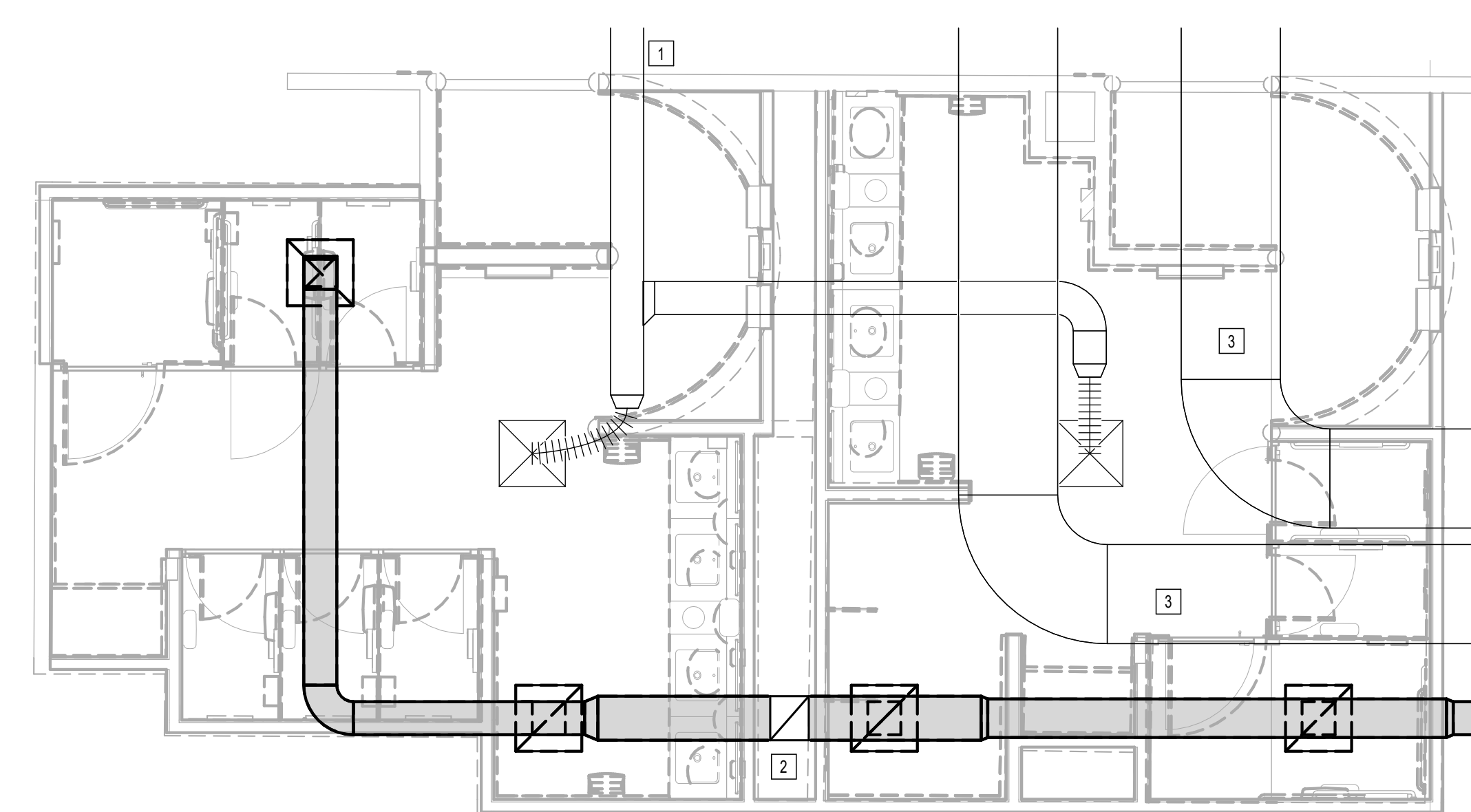
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SHEET NAME:  
**MECHANICAL DEMO ENLARGED PLAN - RR 11 & 12**  
SHEET No. MD4.71 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1** MECHANICAL DEMO ENLARGED PLAN - RR 11 & 12  
1/4" = 1'-0"

PLAN KEYED NOTES	
#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
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3	EXISTING DUCTWORK TO REMAIN.

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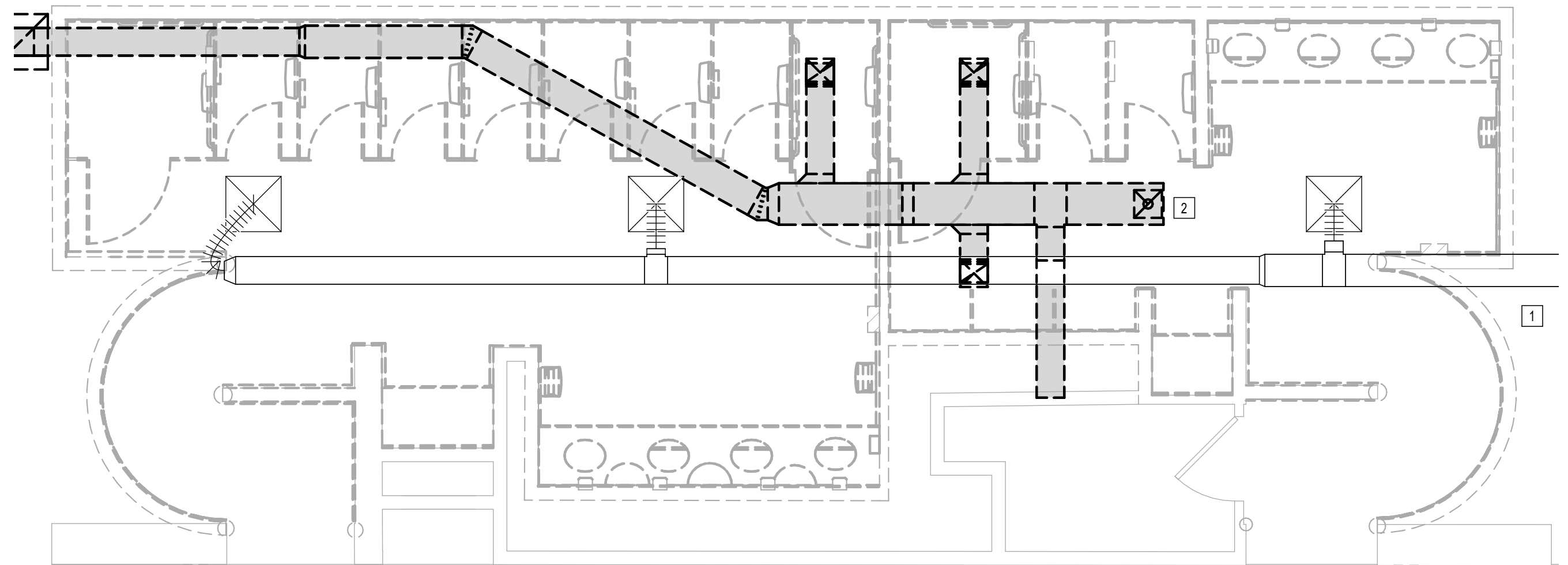
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SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 13  
& 14  
SHEET No. MD4.73 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1** MECHANICAL DEMO ENLARGED PLAN - RR 13 & 14  
1/4" = 1'-0"

#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
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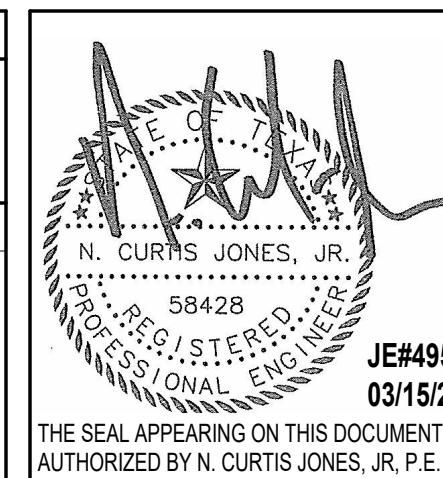
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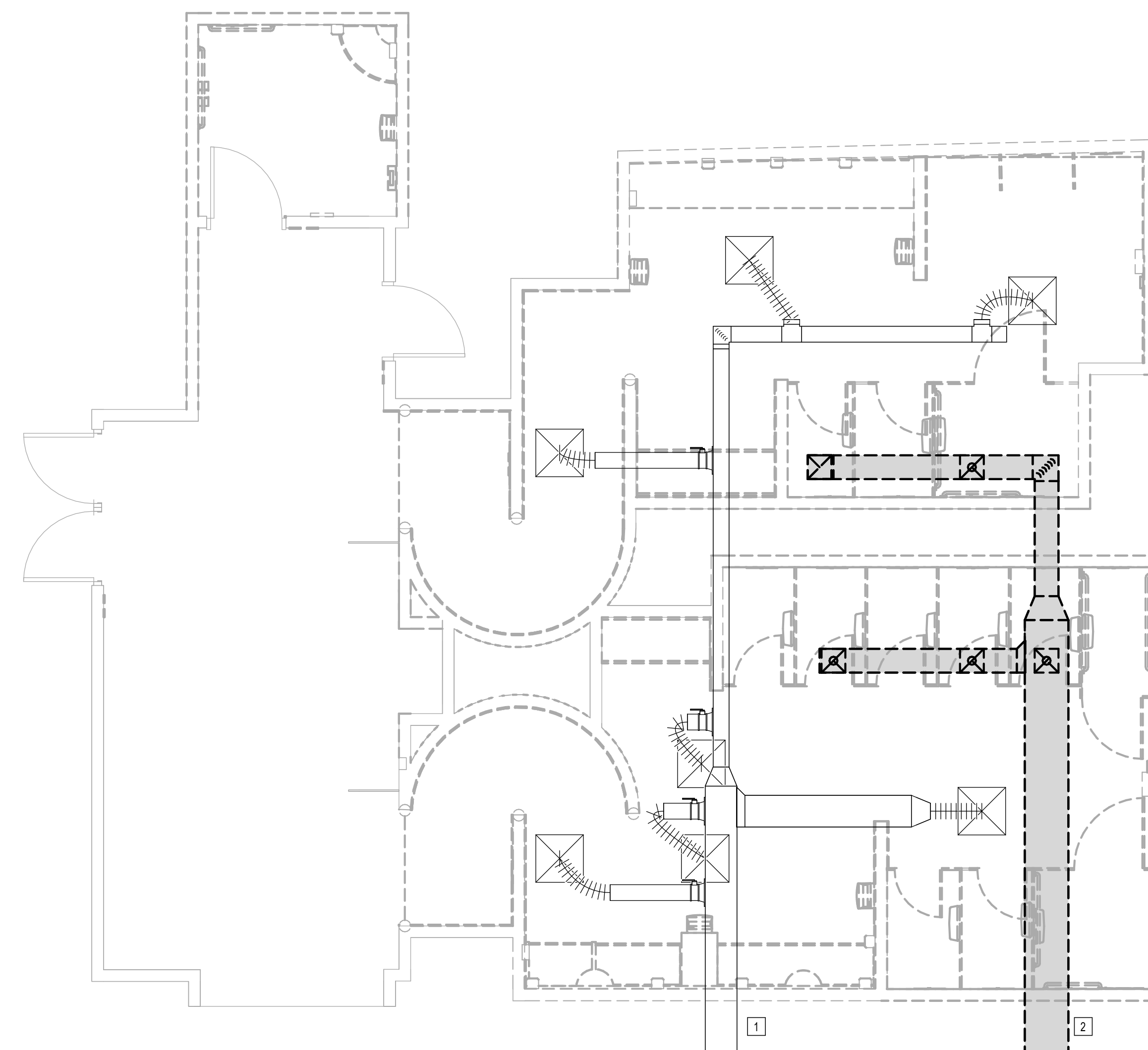
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SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 15  
& 16  
SHEET No. MD4.75 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.



**1 MECHANICAL DEMO ENLARGED PLAN - RR 15 & 16**  
1/4" = 1'-0"

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/4954\_MEP\_Term\_A\_RR\_Refresh\_R24.rvt  
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PROJECT STATUS: **IFB**

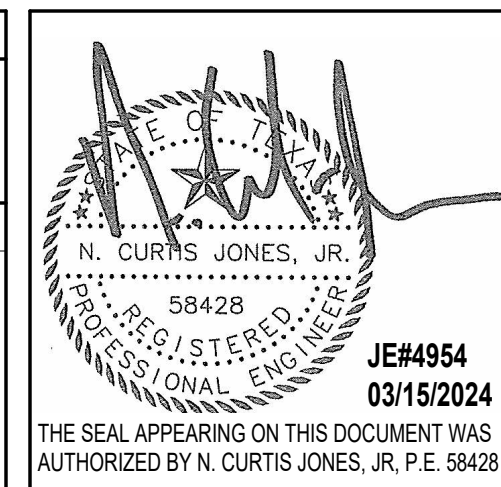
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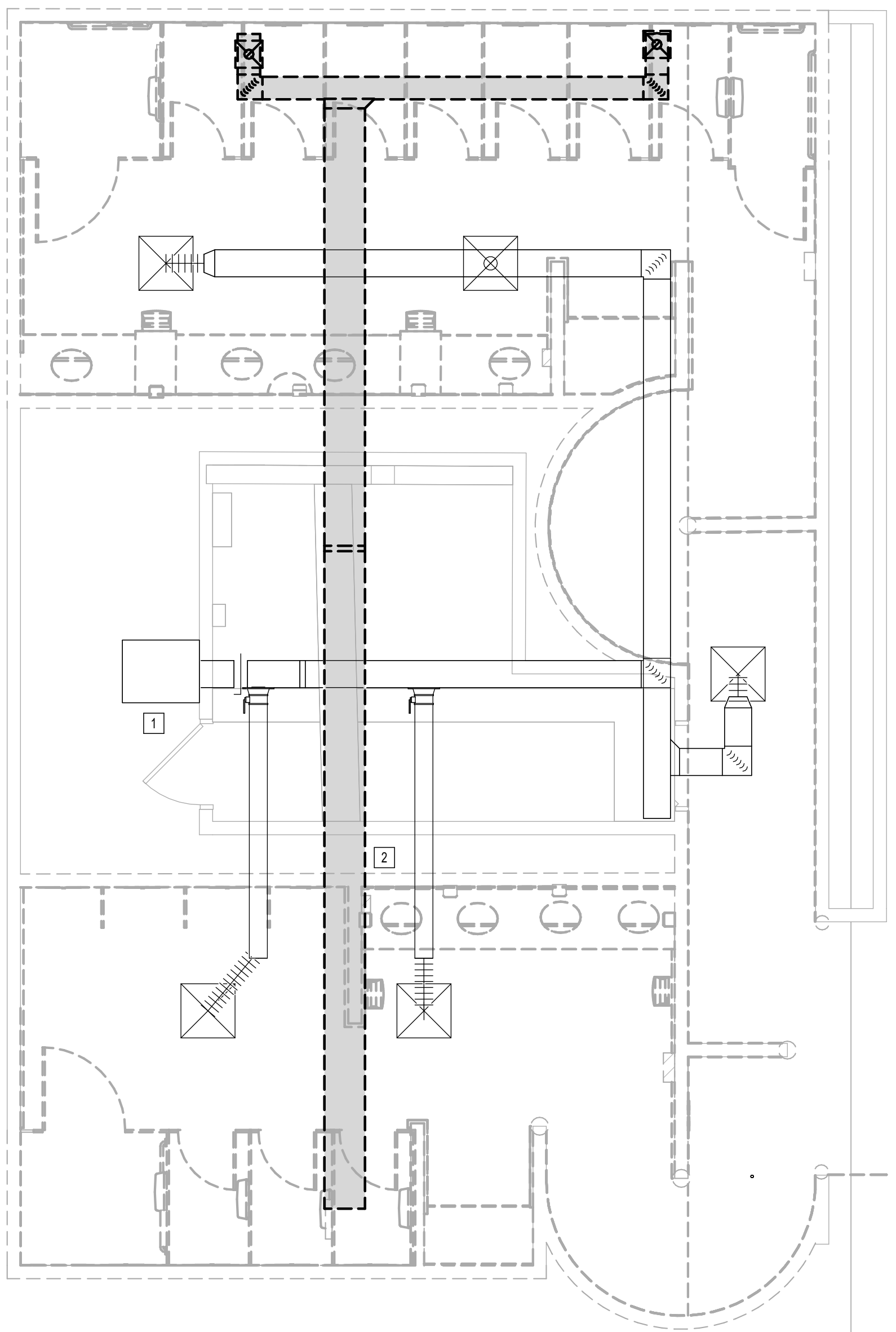


SHEET NAME:  
MECHANICAL DEMO ENLARGED PLAN - RR 17  
& 18

SHEET No. MD4.77 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

#	NOTE
1	EXISTING AIR TERMINAL UNIT TO REMAIN. ALL DOWN STREAM DUCTWORK AND ACCESSORIES ARE EXISTING TO REMAIN. ALL DOWNSTREAM AIR DEVICES TO BE REPLACED. RE: NEW MECHANICAL PLANS FOR REPLACEMENT.
2	ALL EXHAUST DUCTWORK AND EXHAUST GRILLES TO BE DEMOLISHED. EXISTING FAN ON ROOF TO BE DEMOLISHED. RE: NEW MECHANICAL PLAN FOR REPLACEMENT.
3	EXISTING DUCTWORK TO REMAIN.



1 MECHANICAL DEMO ENLARGED PLAN - RR 17 & 18  
1/4" = 1'-0"

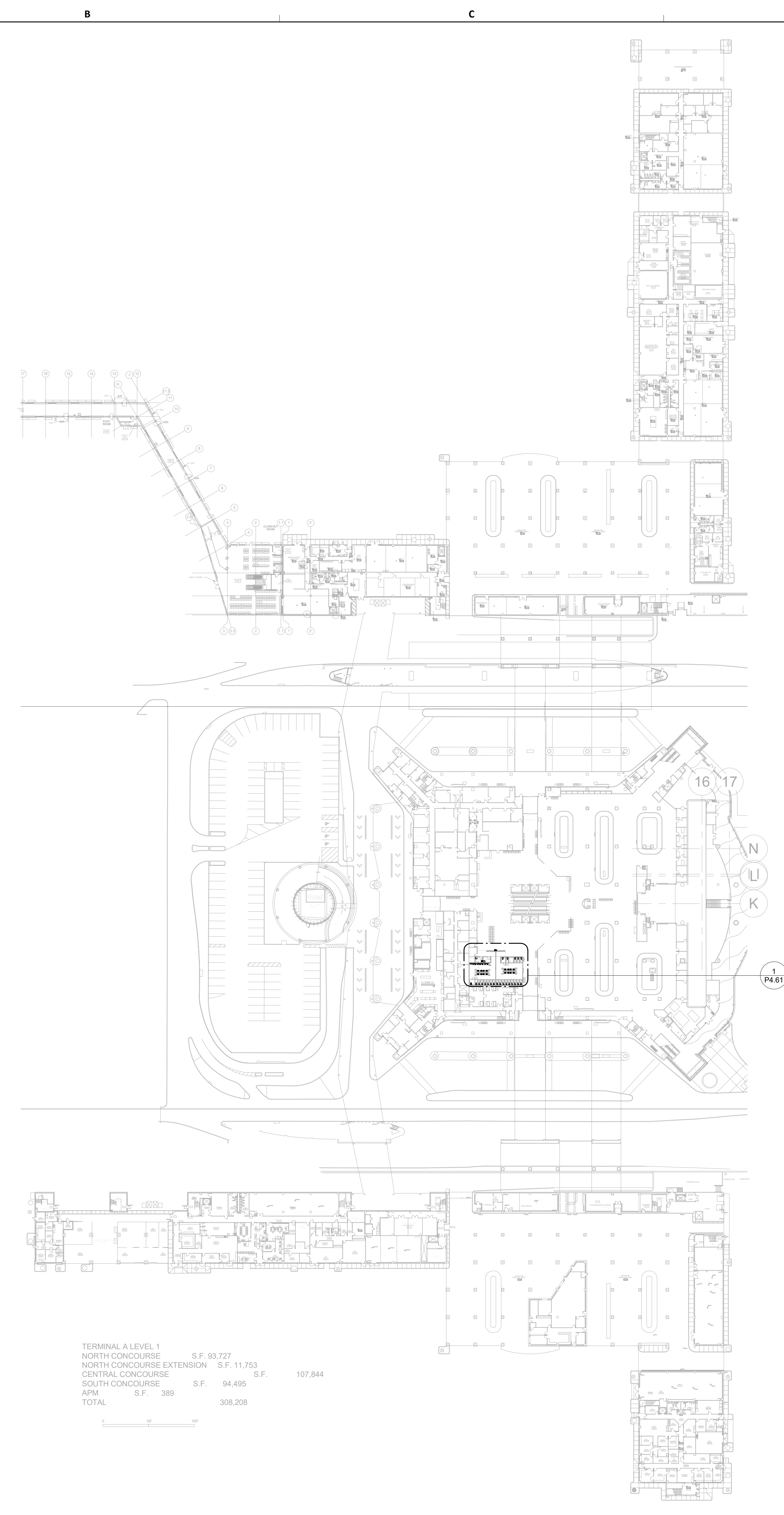
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HAS FILE:

PLOT DATE:  
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OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:



TERMINAL A LEVEL 1			
NORTH CONCOURSE	S.F.	93,727	
NORTH CONCOURSE EXTENSION	S.F.	11,753	
CENTRAL CONCOURSE	S.F.		107,844
SOUTH CONCOURSE	S.F.	94,495	
APM	S.F.	389	
TOTAL			308,208

**1** PLUMBING OVERALL PLAN - LEVEL 1  
1" = 8'-0"

**PLUMBING GENERAL NOTES:**  
1. COMPLY WITH ALL HAS DESIGN CRITERIA, 2015 UPC WITH COH AMENDMENTS AND 2015 IECC  
2. ALL PLUMBING NOT NOTED IS EXISTING TO REMAIN.



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SHEET NAME: PLUMBING OVERALL PLAN - LEVEL 1  
SHEET No. P1.11 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1



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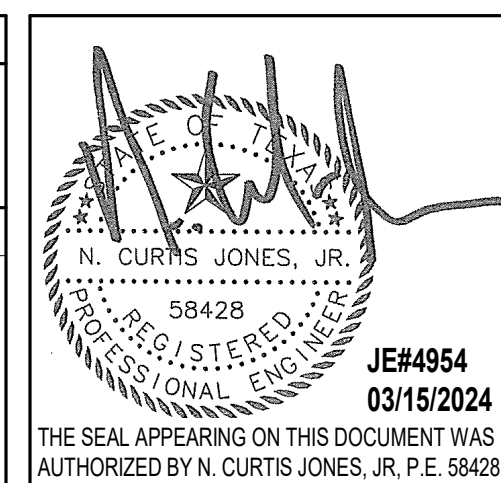
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SHEET NAME: PLUMBING OVERALL PLAN - LEVEL 2  
SHEET No. P1.12 SCALE: 1" = 60'-0"

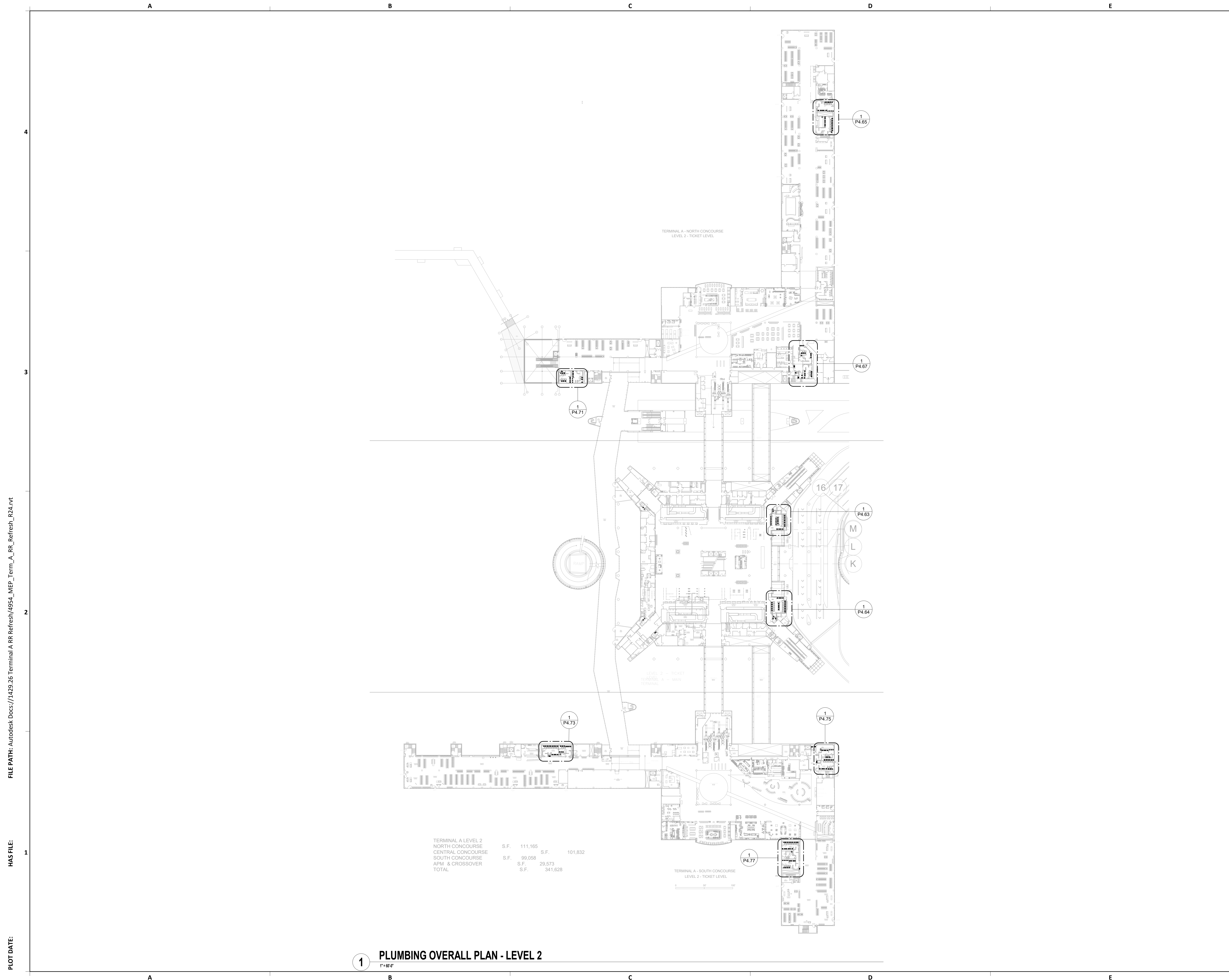
SHEET SIZE: 30"x42" ARCH E1

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

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

**1 PLUMBING OVERALL PLAN - LEVEL 2**  
1" = 60'-0"



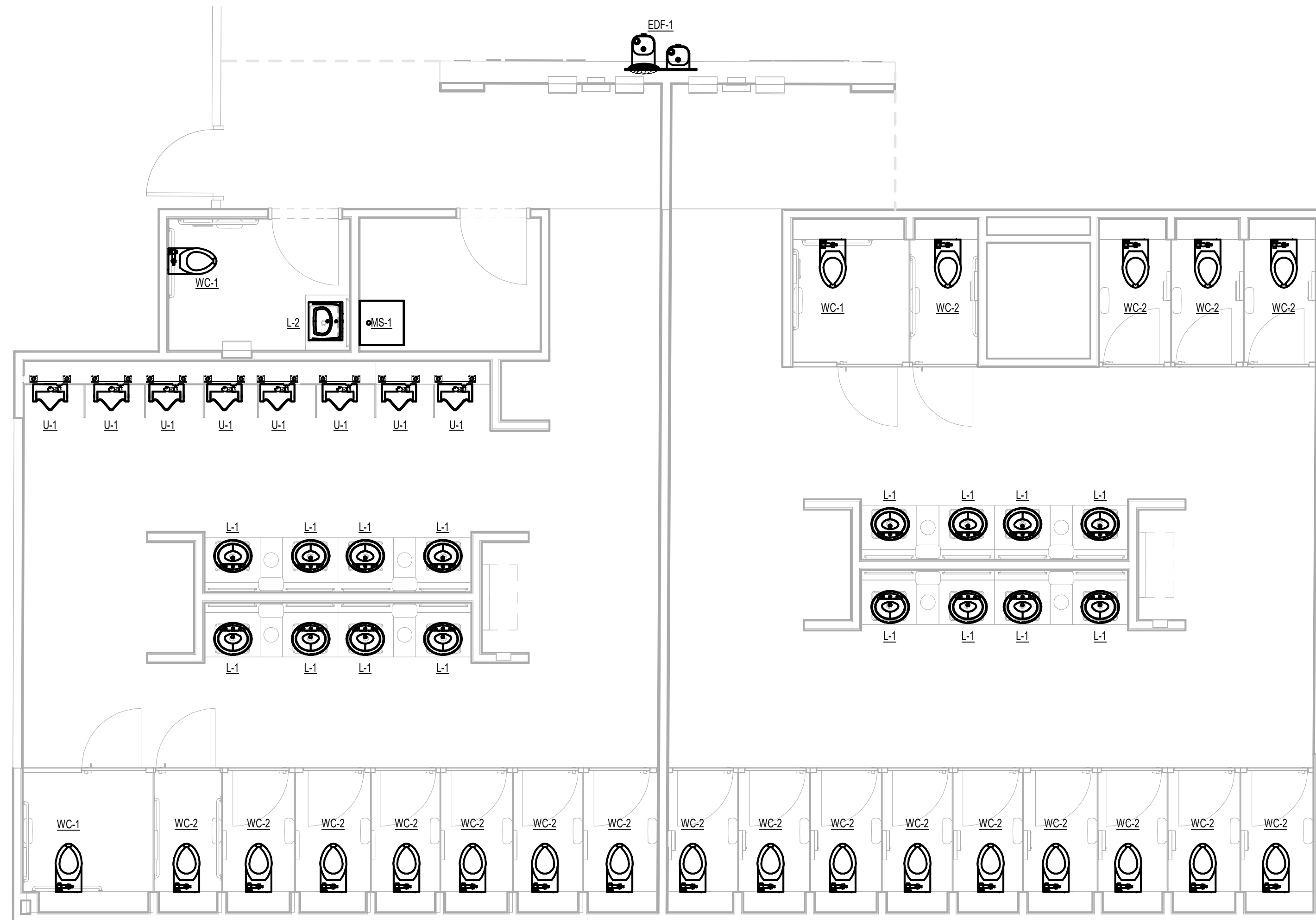
TERMINAL A LEVEL 2	S.F.	111,165	S.F.	101,832
NORTH CONCOURSE	S.F.	99,058	S.F.	29,573
CENTRAL CONCOURSE	S.F.	341,628		
SOUTH CONCOURSE				
APM & CROSSOVER				
TOTAL				

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

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PLOT DATE:



1 PLUMBING ENLARGED PLAN - RR 1 & 2  
1/4" = 1'-0"



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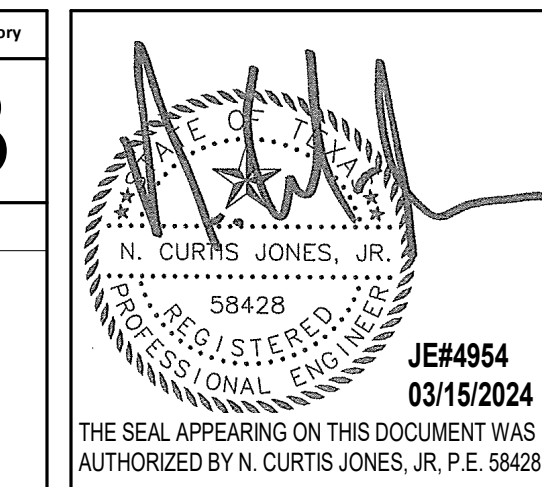
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SHEET NAME:  
PLUMBING ENLARGED PLAN - RR 1 & 2

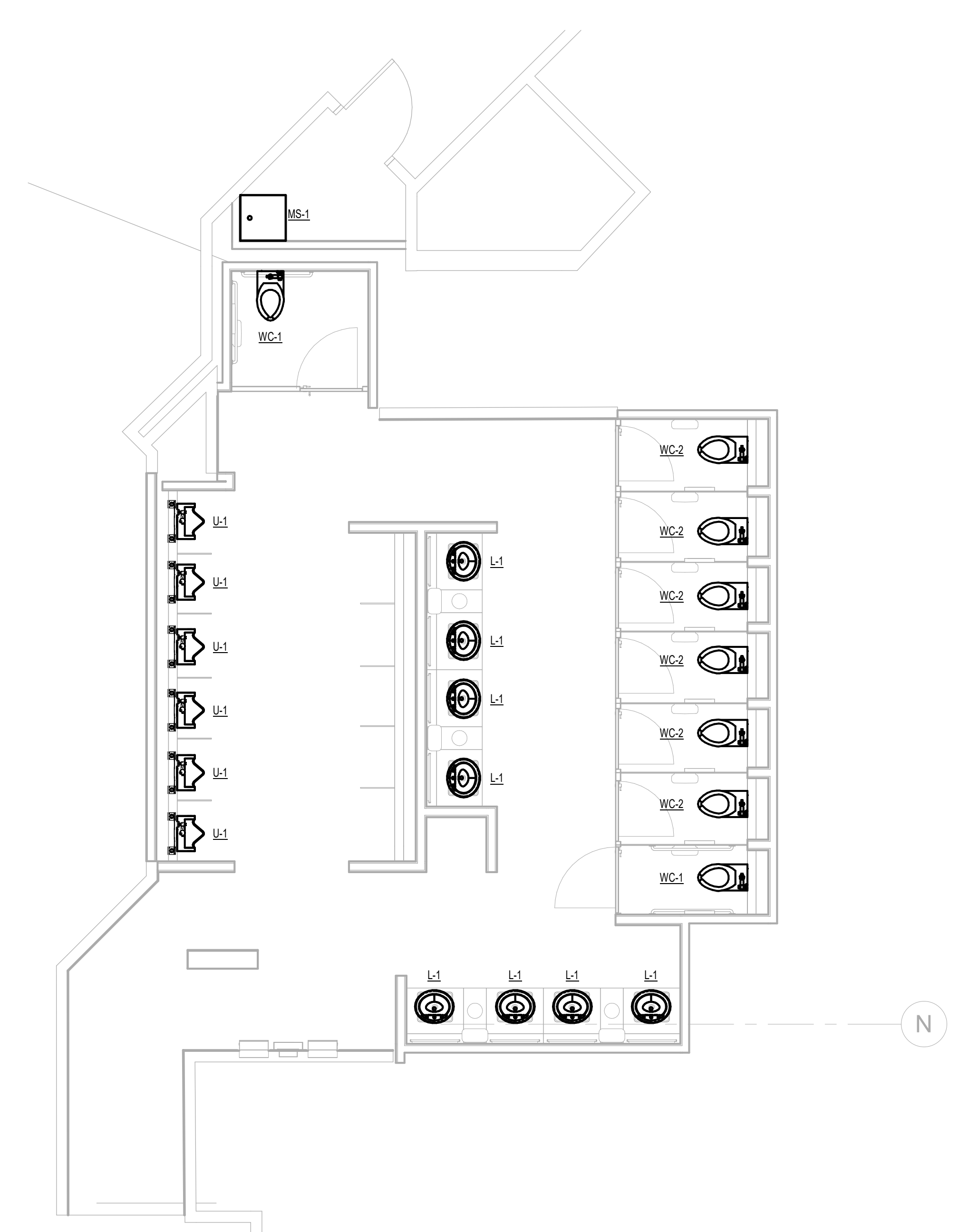
SHEET No. P4.61 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt  
HAS FILE:

1 PLUMBING ENLARGED PLAN - RR 3  
1/4" = 1'-0"



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**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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PROJECT STATUS: **IFB**

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DESIGN BY: JE  
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ISSUE DATE: 05/02/23  
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SHEET NAME: PLUMBING ENLARGED PLAN - RR 3  
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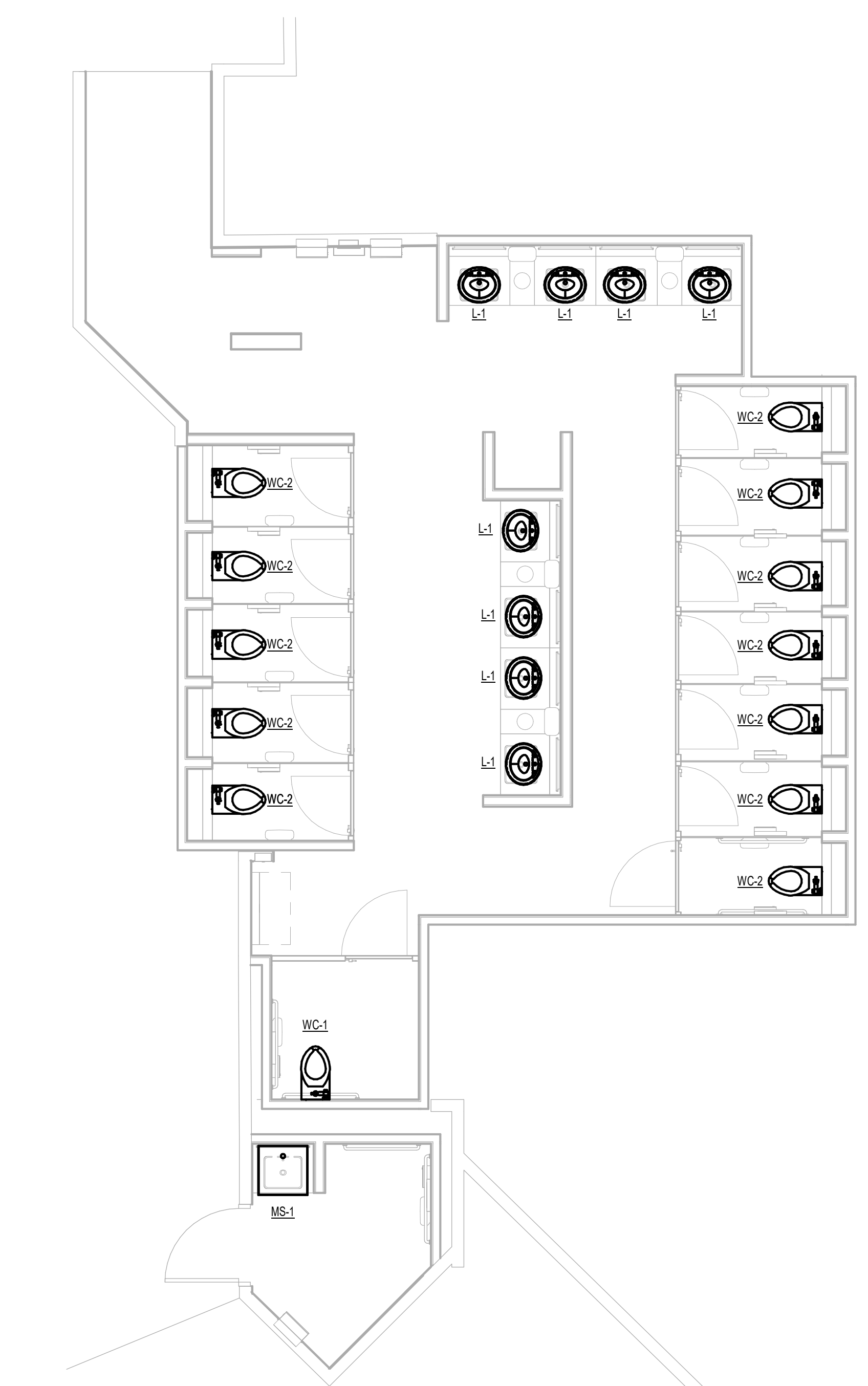
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PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_R24.rvt

HAS FILE:

PLOT DATE:



**1** PLUMBING ENLARGED PLAN - RR 4  
1/4" = 1'-0"



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SHEET NAME: PLUMBING ENLARGED PLAN - RR 4

SHEET No. P4.64 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

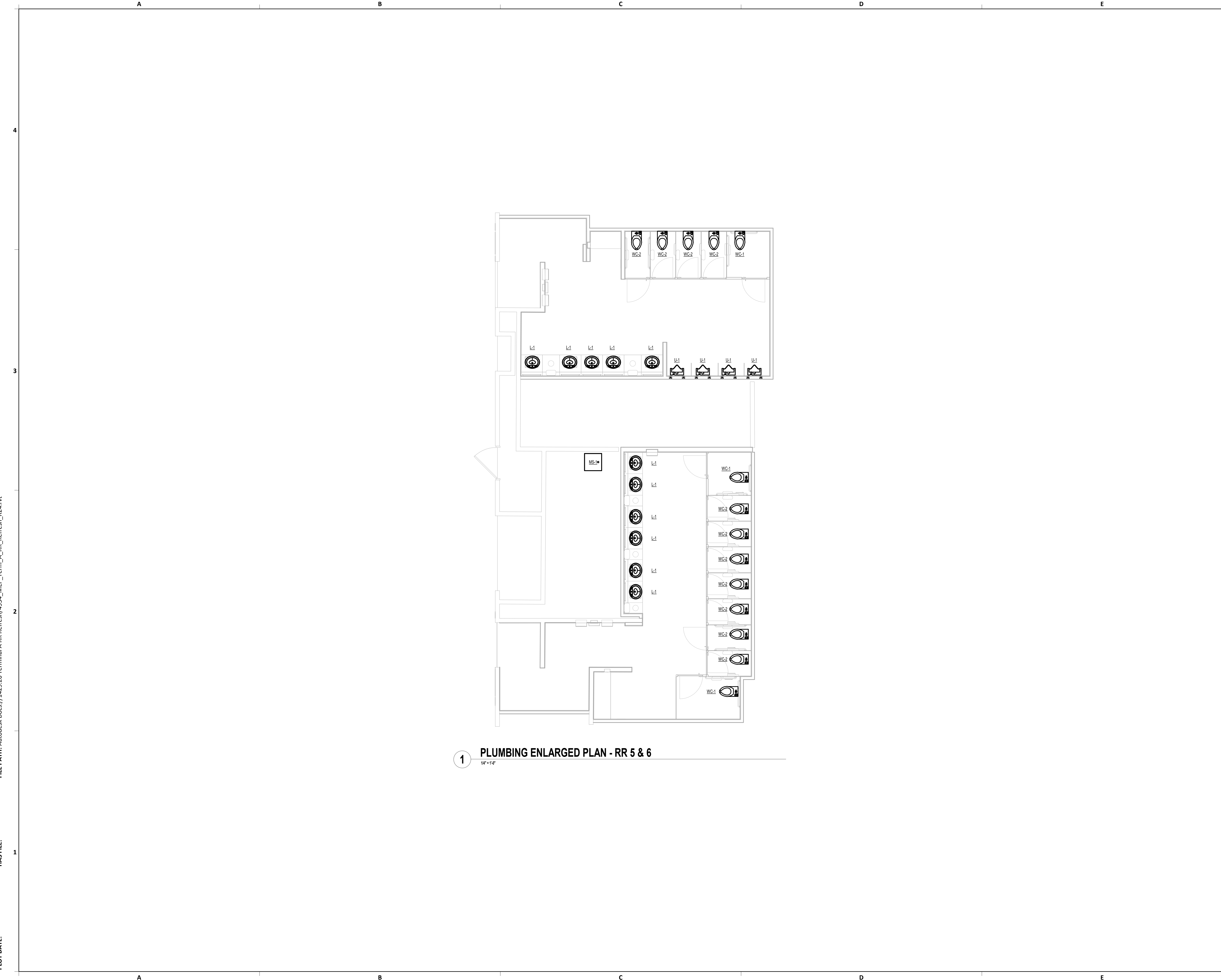


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DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 PLUMBING ENLARGED PLAN - RR 5 & 6  
1/4" = 1'-0"



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SHEET NAME:  
PLUMBING ENLARGED PLAN - RR 5 & 6

SHEET No. P4.65 SCALE: 1/4" = 1'-0"

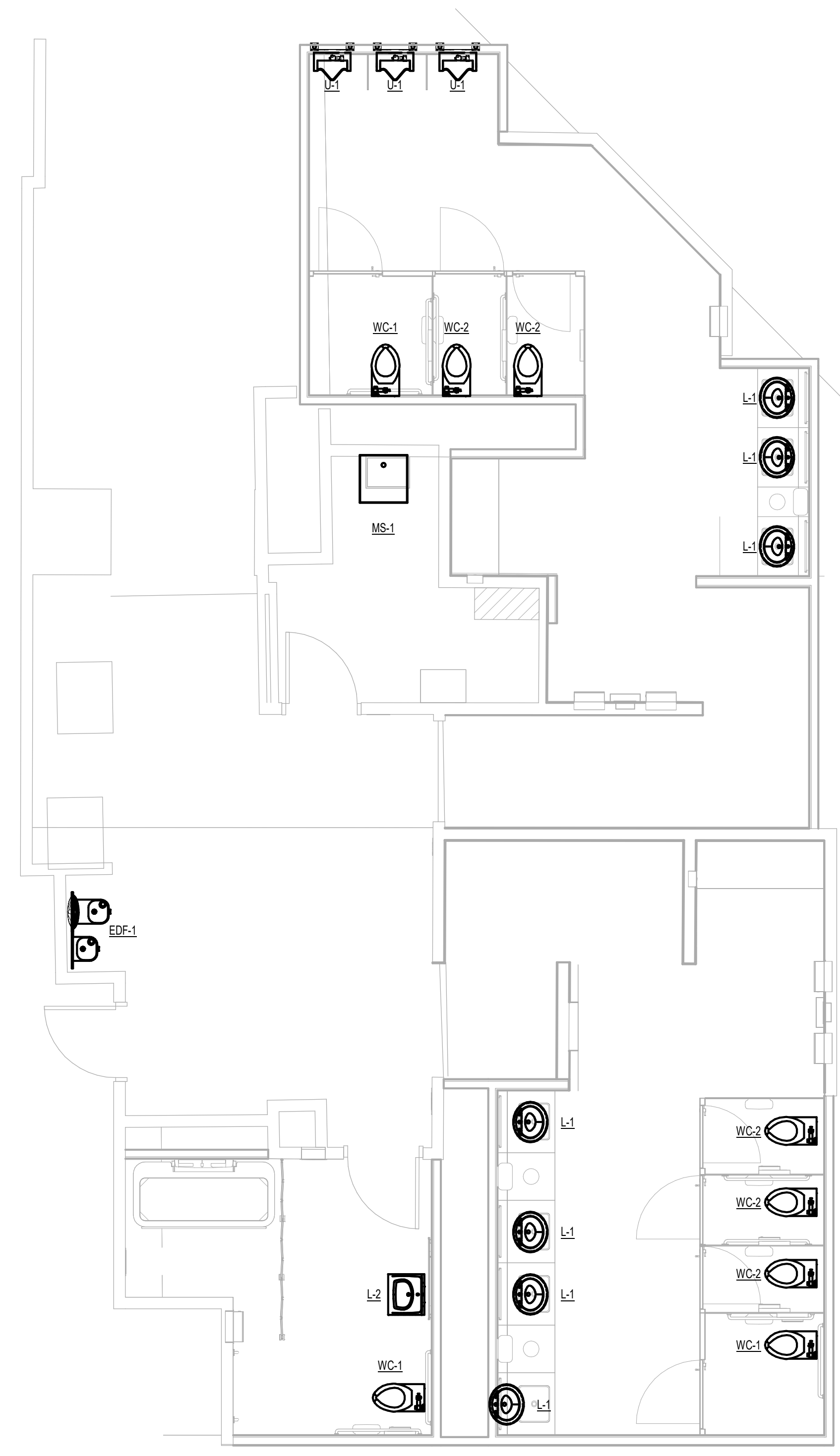
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DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.261 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



**1** PLUMBING ENLARGED PLAN - RR 9 & 10  
1/4" = 1'-0"



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SHEET NAME:  
PLUMBING ENLARGED PLAN - RR 9 & 10

SHEET No. P4.67 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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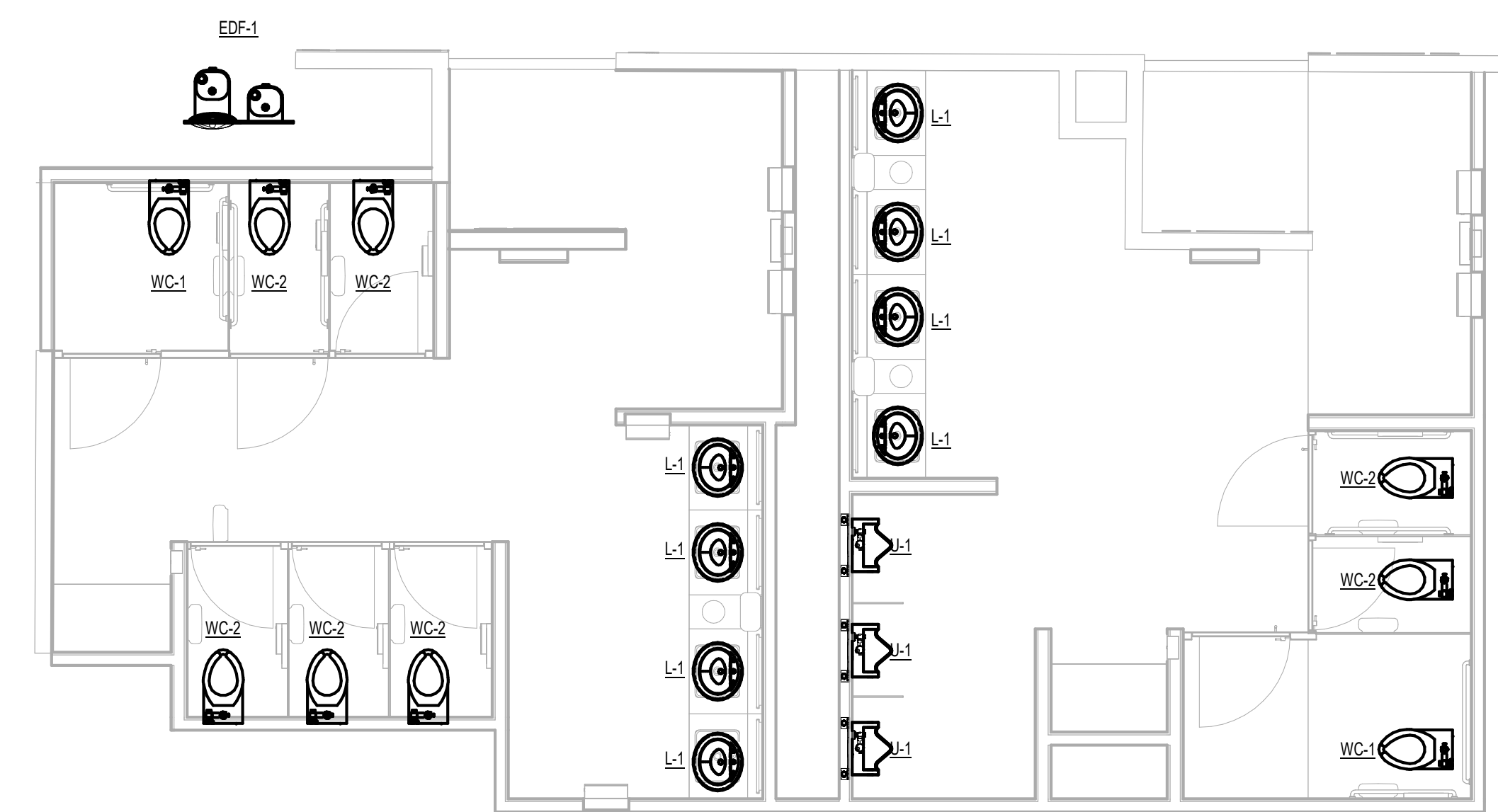
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SHEET NAME:  
PLUMBING ENLARGED PLAN - RR 11 & 12

SHEET No. P4.71 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1 PLUMBING ENLARGED PLAN - RR 11 & 12**  
1/4" = 1'-0"

PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:  
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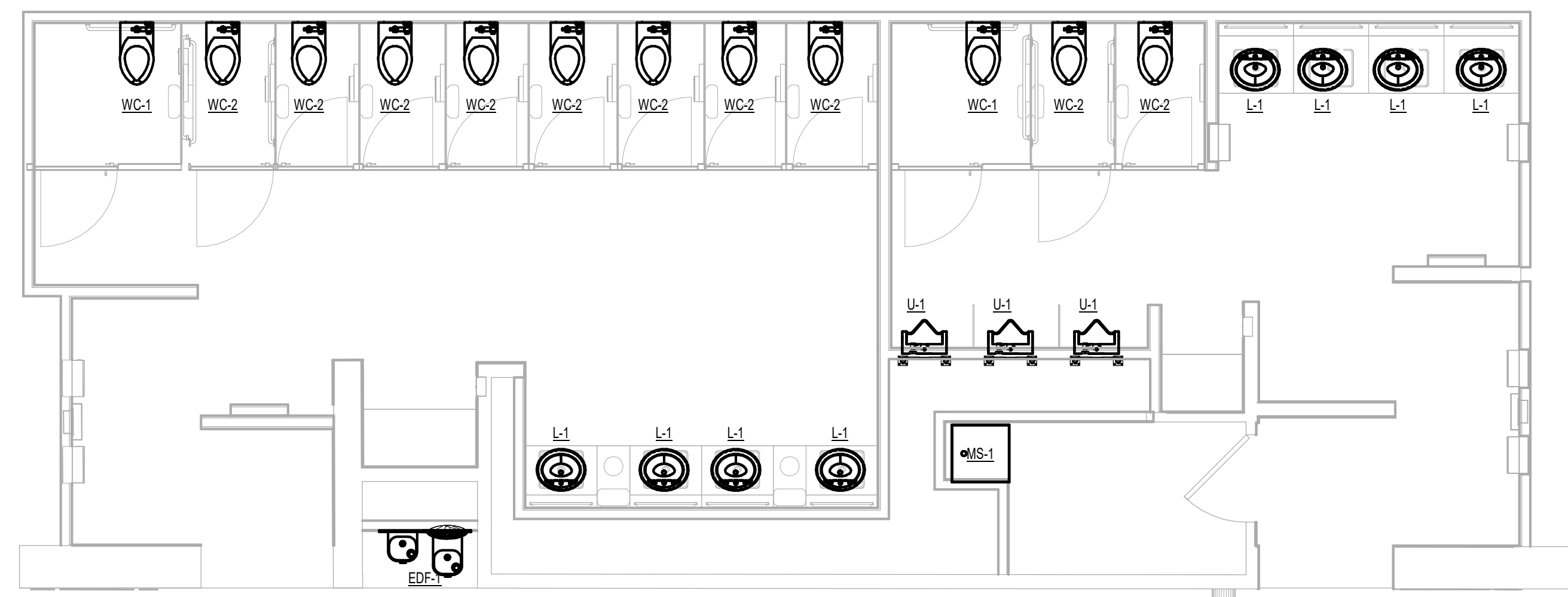
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SHEET NAME:  
PLUMBING ENLARGED PLAN - RR 13 & 14

SHEET No. P4.73 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



**1 PLUMBING ENLARGED PLAN - RR 13 & 14**  
1/4" = 1'-0"

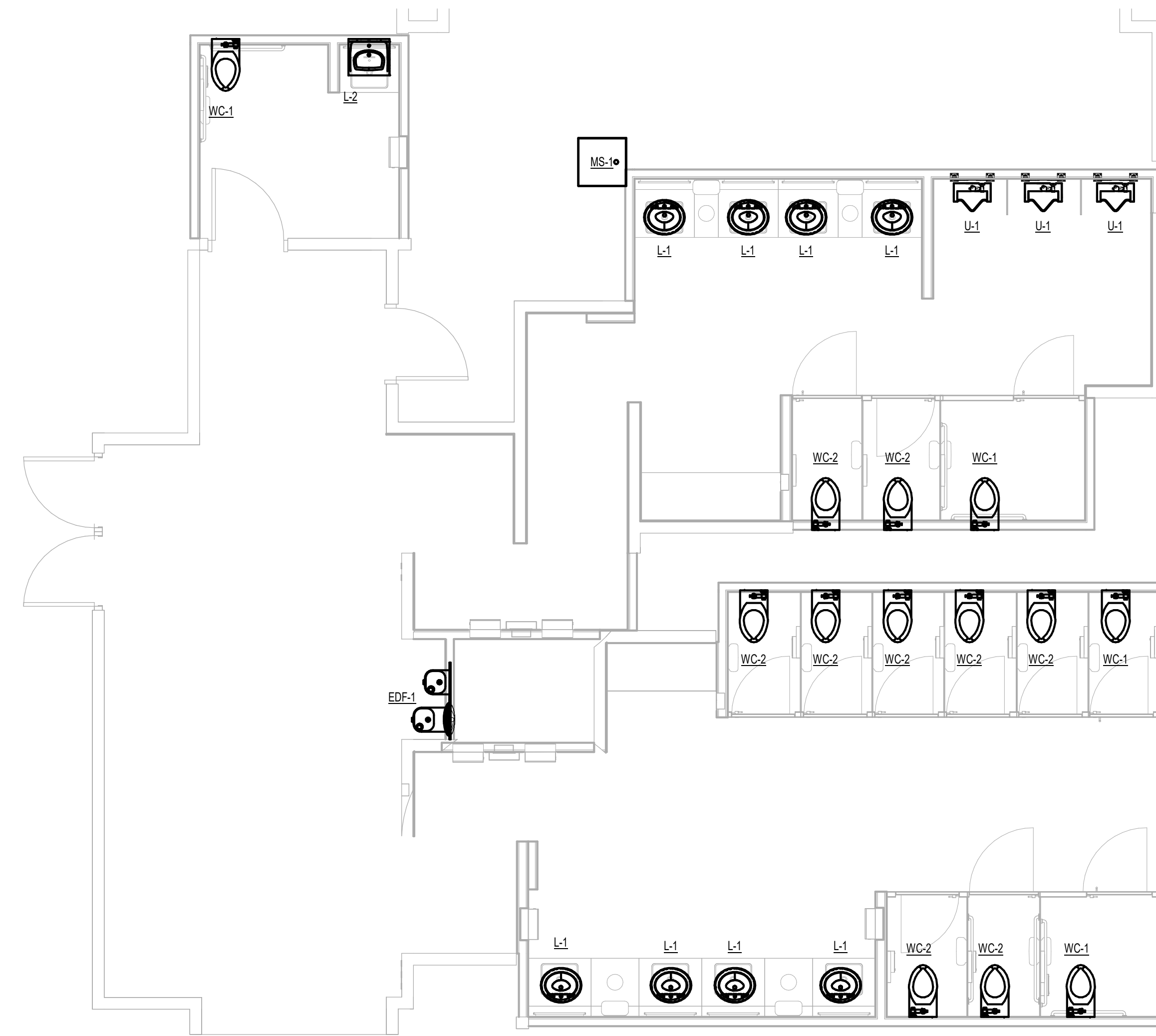
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PLOT DATE:  
DOA DWG FILE:  
OLD DOA No.:

FILE PATH: Autodesk Docs://1429.261 Terminal A RR Refresh/954 MEP\_Term\_A\_RR\_Refresh\_r24.rvt

HAS FILE:

PLOT DATE:



1 PLUMBING ENLARGED PLAN - RR 15 & 16  
1/4" = 1'-0"



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REFRESH**

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SHEET NAME:  
PLUMBING ENLARGED PLAN - RR 15 & 16

SHEET No. P4.75 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1

**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 <a href="https://www.fly2houston.com/biz/resources/building-standards-and-permits">https://www.fly2houston.com/biz/resources/building-standards-and-permits</a>

**SHEET INDEX**

SHEET NO.	DESCRIPTION
T-001	TECHNOLOGY - ABBREVIATIONS & SYMBOLS
T-101	TECHNOLOGY - BAGGAGE OVERALL FLOORPLAN
T-102	TECHNOLOGY - OVERALL FLOORPLAN
T-103	TECHNOLOGY - ENLARGED RR 1-2
T-104	TECHNOLOGY - ENLARGED RR 3-4
T-105	TECHNOLOGY - ENLARGED RR 5-6
T-106	TECHNOLOGY - ENLARGED RR 9-12
T-107	TECHNOLOGY - ENLARGED RR 13-16
T-108	TECHNOLOGY - ENLARGED RR 17-18
T-401	TECHNOLOGY - ENLARGED PLAN - IDF A.3BL
T-402	TECHNOLOGY - ENLARGED PLAN - IDF A.1BL
T-403	TECHNOLOGY - ENLARGED PLAN - IDF A.5N
T-404	TECHNOLOGY - ENLARGED PLAN - IDF A.1N
T-405	TECHNOLOGY - ENLARGED PLAN - IDF A.2N
T-406	TECHNOLOGY - ENLARGED PLAN - IDF A.2S
T-407	TECHNOLOGY - ENLARGED PLAN - IDF A.1S
T-408	TECHNOLOGY - ENLARGED PLAN - IDF A.3S
T-500	TECHNOLOGY - EQUIPMENT DETAILS
T-600	TECHNOLOGY - EQUIPMENT SCHEDULES

**TECHNOLOGY EQUIPMENT SYMBOLS LIST**

SYMBOL	DESCRIPTION
HDMI-R	HDMI RECEIVER
HDMI-T	HDMI TRANSMITTER
FOPP	FIBER OPTIC PATCH PANEL
FOT	FIBER OPTIC TRANSMITTER
FOR	FIBER OPTIC RECEIVER
CPP	COPPER PATCH PANEL
CP	CURTESY PHONE
HH	HAND HOLE
MATV	MAINTENANCE HOLE
MH	MAINTENANCE HOLE
NS O	NETWORK SWITCH (OWNER)
NS T	NETWORK SWITCH (TENANT)
PB	PULL BOX
P	OSP COPPER PROTECTOR
X	X-CAT6 TERMINATION JACK WHERE X REPRESENTS QUANTITY OF CAT6 CABLES. FIELD COORDINATE EXACT PLACEMENT WITH OTHER TRADE.
4	EXAMPLE: 4-CAT6 WITH 4-PORT WALL PLATE, 15" A.F.F.
X	CAT 6 TERMINATION JACK. X=CONFIGURATION, Y=QTY OF CAT 6 CABLES. PROVIDE PATCH CORD FOR EACH CONNECTED PORT.
TV	TV OUTLET (1 RG-6 CABLE)
AV	HDMI WITH 2 AUDIO JACKS. INCLUDE PLENUM HDMI AND 2 AUDIO CABLE FROM JACK TO AV SOURCE WITHIN ROOM.
W	1 CAT 6 WITH PLATE FOR WALL MOUNTED PHONE, 45" A.F.F.
B	BLANK WALL PLATE
X	X CAT 6 CABLE (FLOOR OUTLET)
WAP	WIRELESS ACCESS POINT, 2 CAT 6A CABLES
AW	ALL WEATHER OUTDOOR PHONE, 1 CAT 6

**TECHNOLOGY EQUIPMENT SYMBOLS LIST**

SYMBOL	DESCRIPTION
O	CONDUIT TURNING UP
●	CONDUIT TURNING DOWN
┌	TERMINATING CONDUIT. PROVIDE GROUND LUG AND INSULATED THROAT BUSHING.
---	EXPOSED CONDUIT
- - - - -	CONCEALED CONDUIT
- . - . - . -	ARIEL CABLE
BTP	BLUETOOTH BEACON PUCK
EX	ETHERNET EXTENDER
FPC	FLIGHT INFORMATION DISPLAY PC
FPD	FLAT PANEL DISPLAY
HCM	HORIZONTAL CABLE MANAGEMENT
JB	JUNCTION BOX
MPC	MINIATURE COMPUTER
DOL	BATHROOM STALL OCCUPANCY SENSOR LIGHT
PCR	PASSENGER COUNTER REMOTE
PCS	PASSENGER COUNTER SENSOR
REC	REMOTE EQUIPMENT ENCLOSURE
SP1	AV SPEAKER TYPE 1, MODEL JBL CONTROL 24CT
SP2	AV SPEAKER TYPE 2
OSG	BATHROOM STALL OCCUPANCY SENSOR GATEWAY
TP1	TOUCH PANEL



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B.S.G. No. \_\_\_\_\_ H.A.S. No. \_\_\_\_\_  
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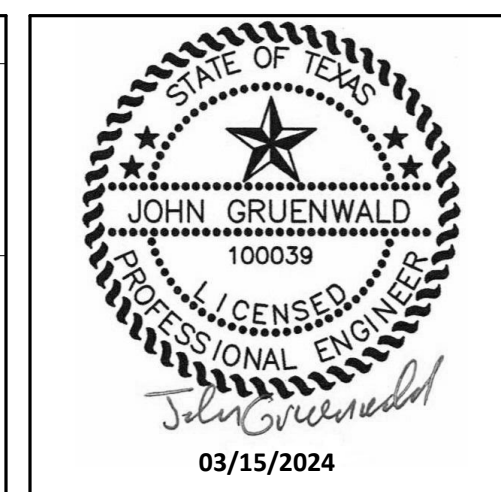
**DESIGNER PROJECT No.:**  
PROJECT STATUS: **IFB**

**REVISIONS**

No.	DESCRIPTION	DATE	BY

**DESIGN BY:** PGA  
**DRAWN BY:** AC  
**CHECKED BY:** JG  
**ISSUE DATE:** 03/15/24  
**APPROVED BY:** JOHN GRUENWALD  
**APPROVAL DATE:** 03/15/2024

**DIRECTOR**  
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SHEET NAME: TECHNOLOGY - ABBREVIATIONS & SYMBOLS  
SHEET No. T-001 SCALE: \_\_\_\_\_

SHEET SIZE: 30"x42" ARCH E1

PLOT DATE: \_\_\_\_\_ DOA DWG FILE: \_\_\_\_\_ OLD DOA No.: \_\_\_\_\_ PLOT DATE: \_\_\_\_\_ FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PCA.rvt HAS FILE: \_\_\_\_\_

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OLD DOA No. :  
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HAS FILE:

**A1** OVERALL FLOOR PLAN - BAGGAGE CLAIM  
SCALE: 1/64" = 1'-0"



**GENERAL NOTES**

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
2. REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
3. COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
4. SCREENED DEVICES DENOTE EXISTING.
5. TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

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of  
HOUSTON AIRPORT SYSTEM

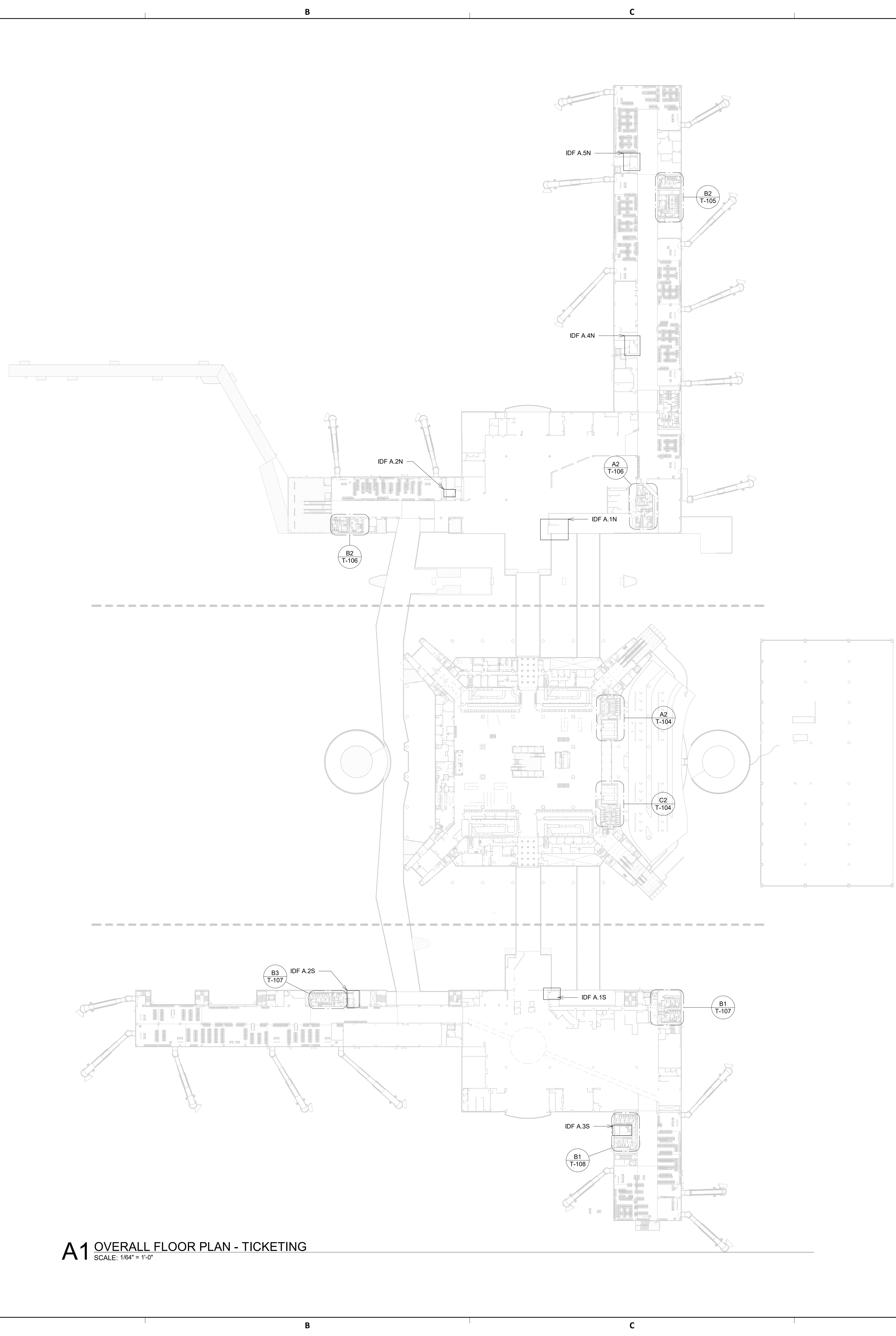
IFB  
ISSUED FOR BIDDING

STATE OF TEXAS  
LICENSED PROFESSIONAL ENGINEER  
JOHN GRUENWALD  
100039  
03/15/2024

SHEET NAME: TECHNOLOGY - BAGGAGE OVERALL FLOORPLAN  
SHEET No. T-101 SCALE: 1/64" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
HAS FILE:



**A1** OVERALL FLOOR PLAN - TICKETING  
SCALE: 1/64" = 1'-0"

**GENERAL NOTES**

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

**HOUSTON AIRPORTS**  
2800 N Terminal Rd  
Houston, TX 77032  
**IAH TERMINAL A - RESTROOMS REFRESH**

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

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

**JONES ENGINEERS, L.P.**

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

**PGA ENGINEERS, INC**  
1838 N Sam Houston Pkwy, Ste. 550 Houston, TX 77032 346.570.2418 pgaengineers.com TBPE FRM #12493

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: PGA  
DRAWN BY: AC  
CHECKED BY: JG  
ISSUE DATE: 03/15/24  
APPROVED BY: JOHN GRUENWALD  
APPROVAL DATE: 03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

IFB ISSUED FOR BIDDING

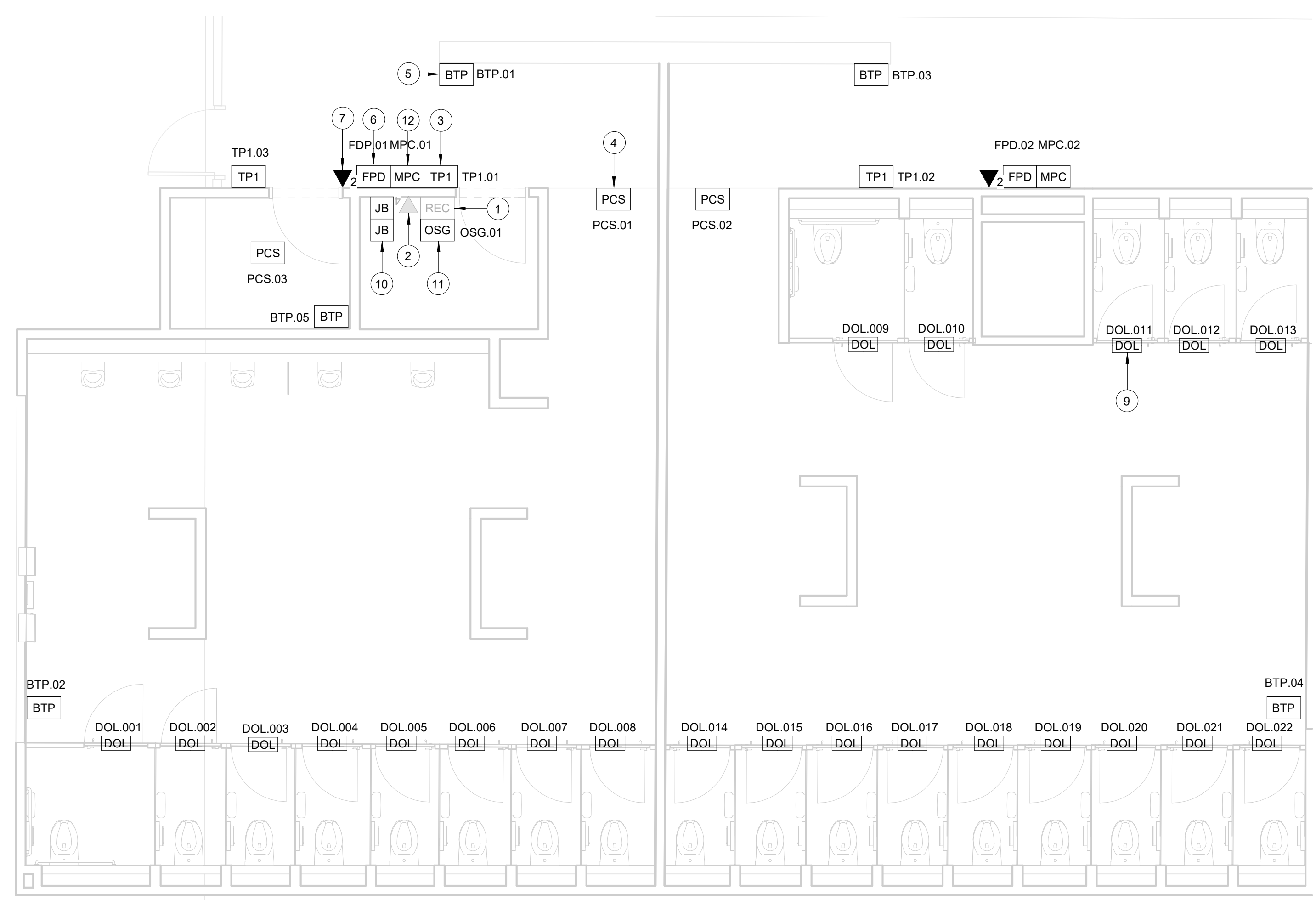
STATE OF TEXAS  
PROFESSIONAL ENGINEER  
JOHN GRUENWALD  
100039  
03/15/2024

SHEET NAME: TECHNOLOGY - OVERALL FLOORPLAN  
SHEET No. T-102 SCALE: 1/64" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1



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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
HAS FILE:



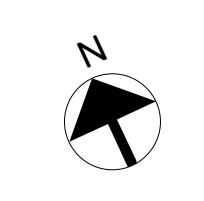
**A1 TECHNOLOGY - ENLARGED RR 1-2**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
2. REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
3. COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
4. SCREENED DEVICES DENOTE EXISTING.
5. TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

1. EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
2. EXISTING 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE EXISTING REC.
3. REPLACE EXISTING TABLE FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
4. REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1" TO EXISTING REC.
5. REPLACE EXISTING BLUETOOTH BEACON PUCK WITH KONTAKT.IO ANCHOR BEACON 2. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
6. FLAT PANEL DISPLAY WITH WALL MOUNT. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
7. 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 2 CAT6 CABLE ROUTED THROUGH A 1" TO IDF A.38L.
8. (NOT USED)
9. CUBICLES STALL WITH LED OCCUPANCY LIGHTS. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
10. LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
11. BATHROOM STALL OCCUPANCY LIGHT GATEWAY. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
12. MINI COMPUTER. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH HAS IT PRIOR TO INSTALLATION.



2800 N Terminal Rd  
Houston, TX 77032  
**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

**RDLR Architects**  
ARCHITECTURE PLANNING INTERIORS

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structural engineers  
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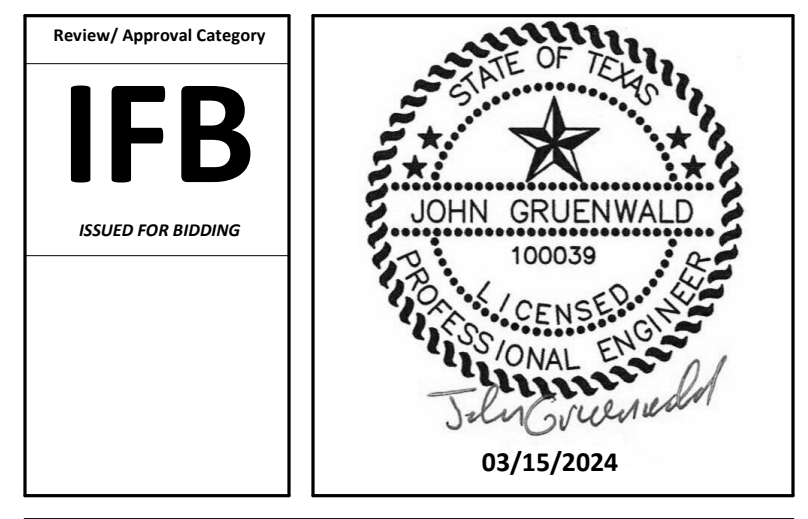


**DESIGNER PROJECT No.:**  
**PROJECT STATUS:** IFB

REVISIONS		
No.	DESCRIPTION	DATE BY

**DESIGN BY:** PGA  
**DRAWN BY:** AC  
**CHECKED BY:** JG  
**ISSUE DATE:** 03/15/24  
**APPROVED BY:** JOHN GRUENWALD  
**APPROVAL DATE:** 03/15/2024

**DIRECTOR**  
of  
**HOUSTON AIRPORT SYSTEM**

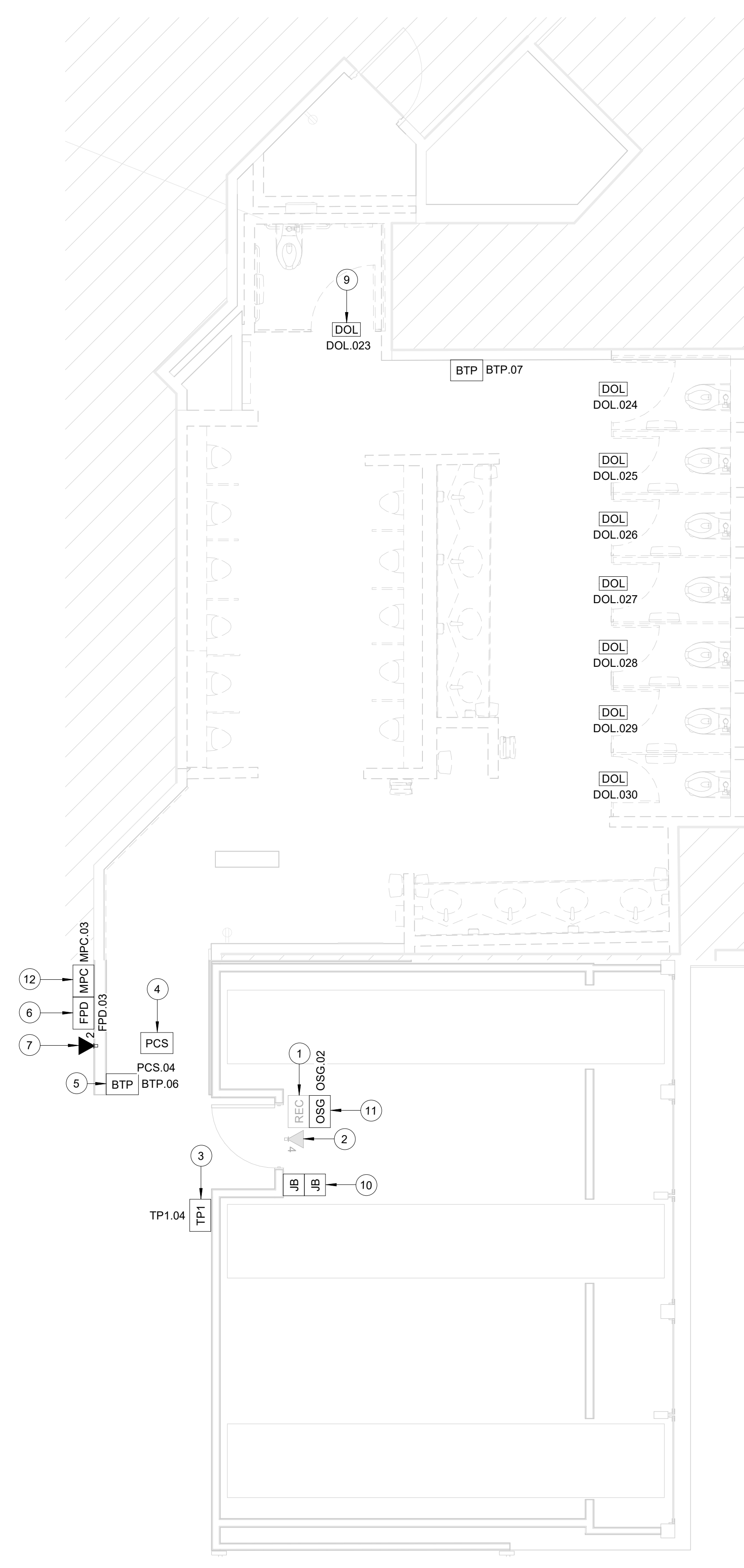


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ISSUED FOR BIDDING

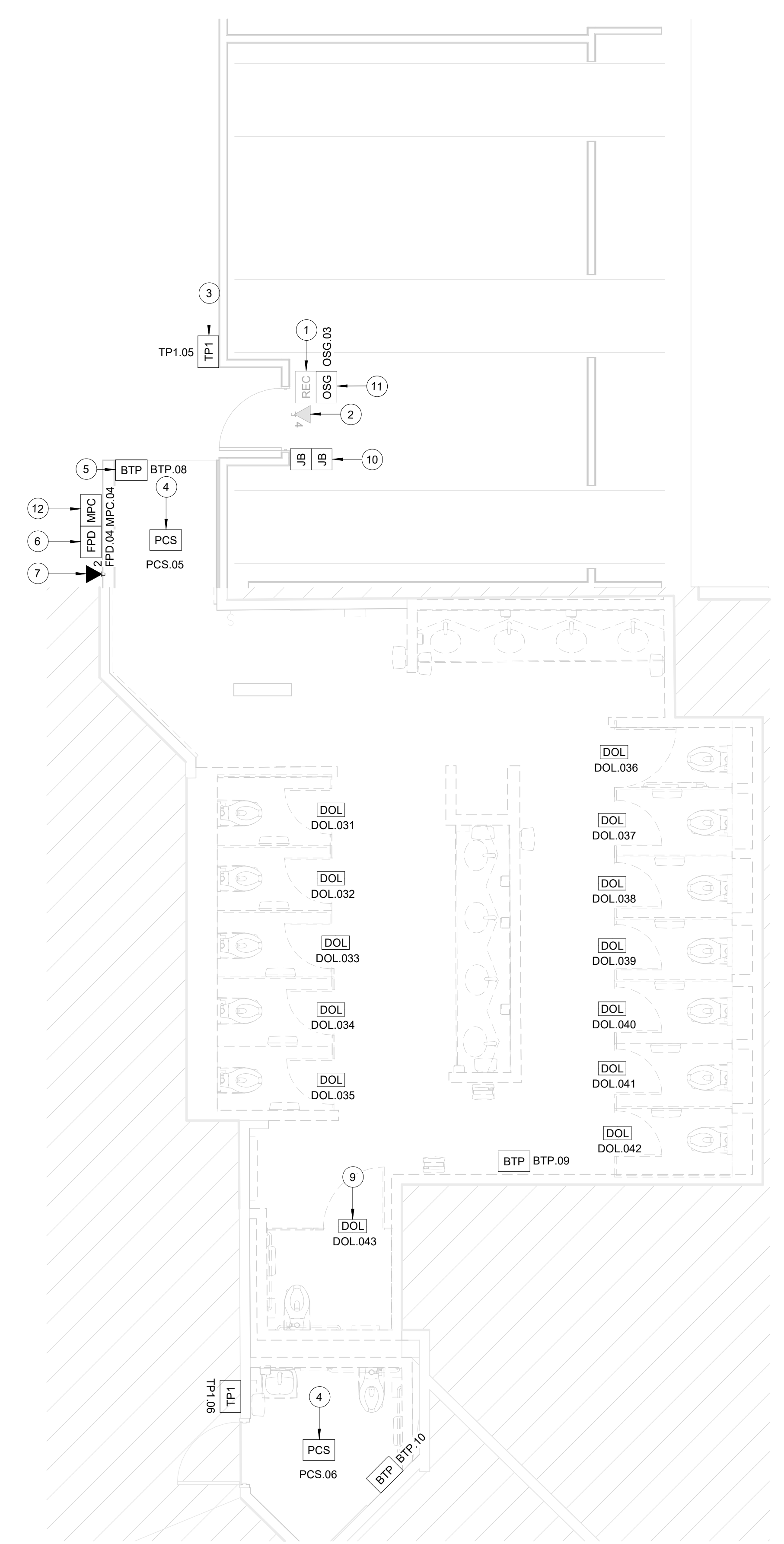
SHEET NAME: TECHNOLOGY - ENLARGED RR 1-2  
SHEET No. T-103 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
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**A2 TECHNOLOGY - ENLARGED RR 3**  
SCALE: 1/4" = 1'-0"



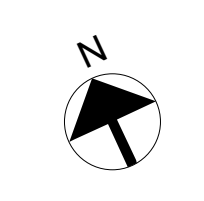
**C2 TECHNOLOGY - ENLARGED RR 4**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

- EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- EXISTING 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE EXISTING REC.
- REPLACE EXISTING TABLE FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
- REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1" C. TO EXISTING REC.
- REPLACE EXISTING BLUETOOTH BEACON PUCK WITH KONTAKT.IO ANCHOR BEACON 2. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- FLAT PANEL DISPLAY WITH WALL MOUNT. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 2 CAT6 CABLE ROUTED THROUGH A 1" C TO IDF A.18L.
- (NOT USED)
- CUBICLES STALL WITH LED OCCUPANCY LIGHTS. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
- LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- MINI COMPUTER. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH HAS IT PRIOR TO INSTALLATION.



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Houston, TX 77032  
**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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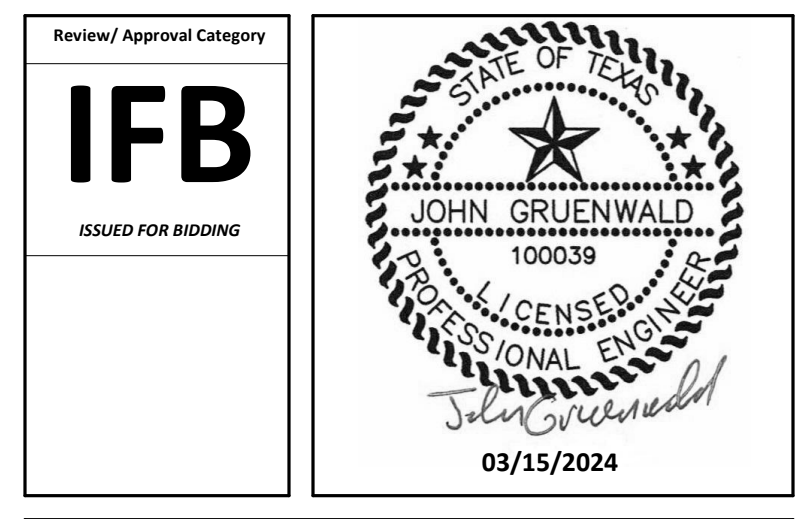


**DESIGNER PROJECT No.:**  
**PROJECT STATUS:** IFB

REVISIONS		
No.	DESCRIPTION	DATE BY

**DESIGN BY:** PGA  
**DRAWN BY:** AC  
**CHECKED BY:** JG  
**ISSUE DATE:** 03/15/24  
**APPROVED BY:** JOHN GRUENWALD  
**APPROVAL DATE:** 03/15/2024

**DIRECTOR**  
of  
**HOUSTON AIRPORT SYSTEM**

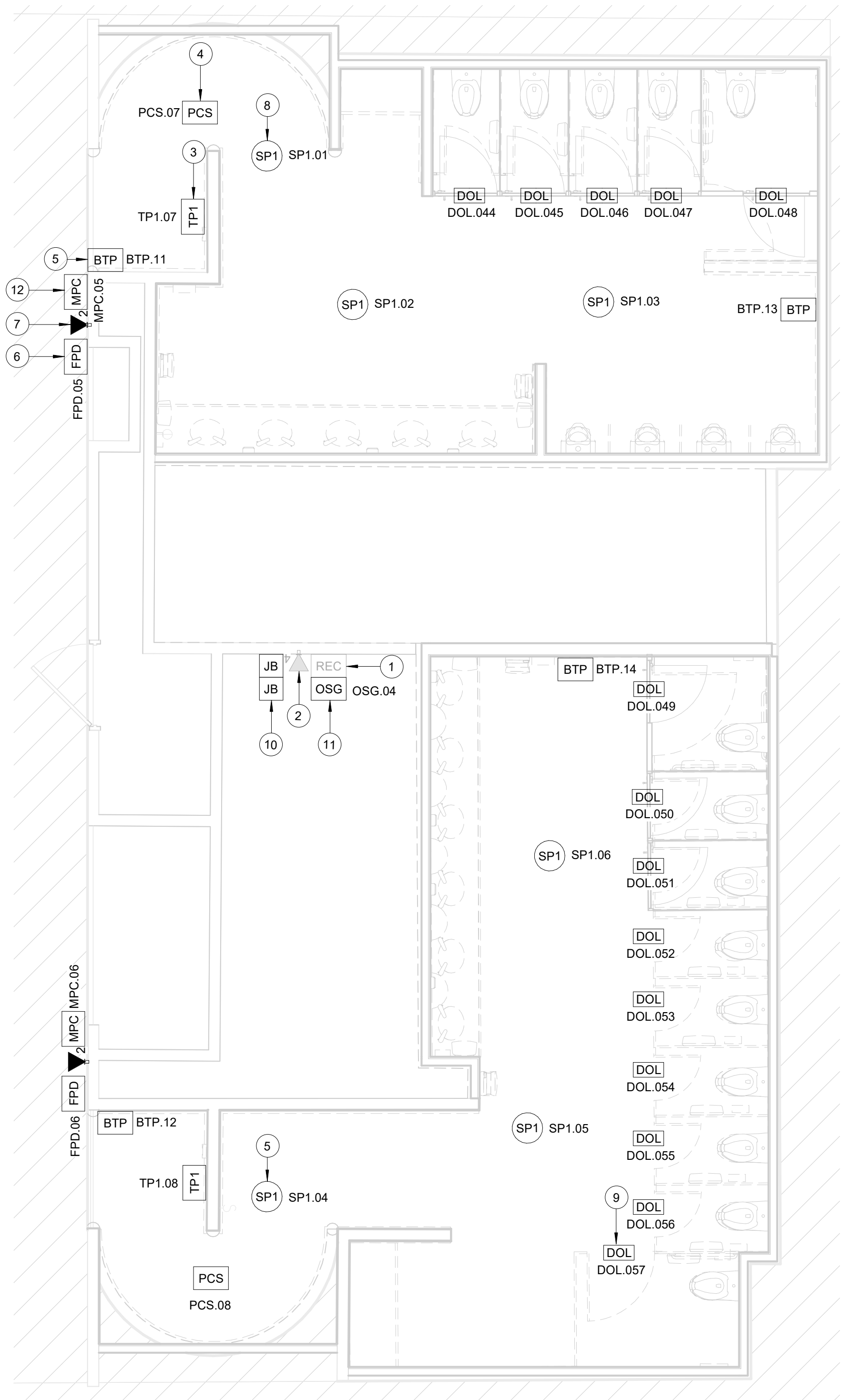


**ISSUED FOR BIDDING**

**SHEET NAME:** TECHNOLOGY - ENLARGED RR 3-4  
**SHEET No.:** T-104 **SCALE:** 1/4" = 1'-0"  
**SHEET SIZE:** 30"x42" ARCH E1

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

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
HAS FILE:



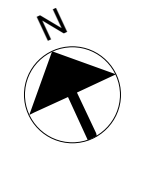
**B2 TECHNOLOGY - ENLARGED RR 5-6**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
2. REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
3. COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
4. SCREENED DEVICES DENOTE EXISTING.
5. TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

1. EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC) (ABOVE CEILING IN PFT RELIEF)
2. EXISTING 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE EXISTING REC.
3. REPLACE EXISTING TABLET FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
4. REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1". TO EXISTING REC.
5. REPLACE EXISTING BLUETOOTH BEACON PUCK WITH KONTAKT.IO, ANCHOR BEACON 2. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
6. FLAT PANEL DISPLAY WITH WALL MOUNT, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
7. 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 2 CAT6 CABLE ROUTED THROUGH A 1" TO IDF A.5N.
8. REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
9. CUBICLES STALL WITH LED OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
10. LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
11. BATHROOM STALL OCCUPANCY LIGHT GATEWAY, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
12. MINI COMPUTER, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH HAS IT PRIOR TO INSTALLATION.



2800 N Terminal Rd  
Houston, TX 77032  
**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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Houston, Texas 77057  
713.430.5800 713.430.5888 fax  
www.hendersonrogers.com



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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

**DESIGN BY:** PGA  
**DRAWN BY:** AC  
**CHECKED BY:** JG  
**ISSUE DATE:** 03/15/24  
**APPROVED BY:** JOHN GRUENWALD  
**APPROVAL DATE:** 03/15/2024

**DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM**



**SHEET NAME:** TECHNOLOGY - ENLARGED RR 5-6

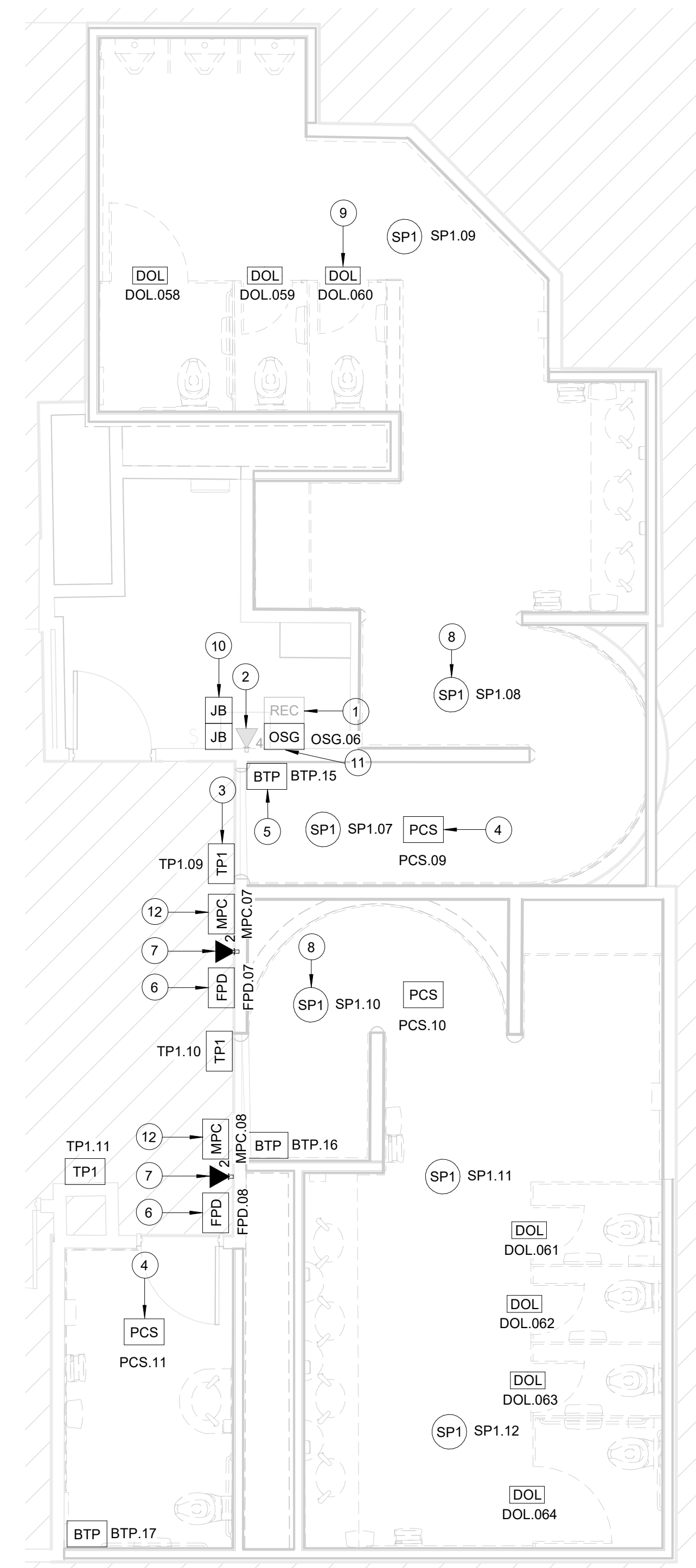
**SHEET No.:** T-105 **SCALE:** 1/4" = 1'-0"

**SHEET SIZE:** 30"x42" ARCH E1

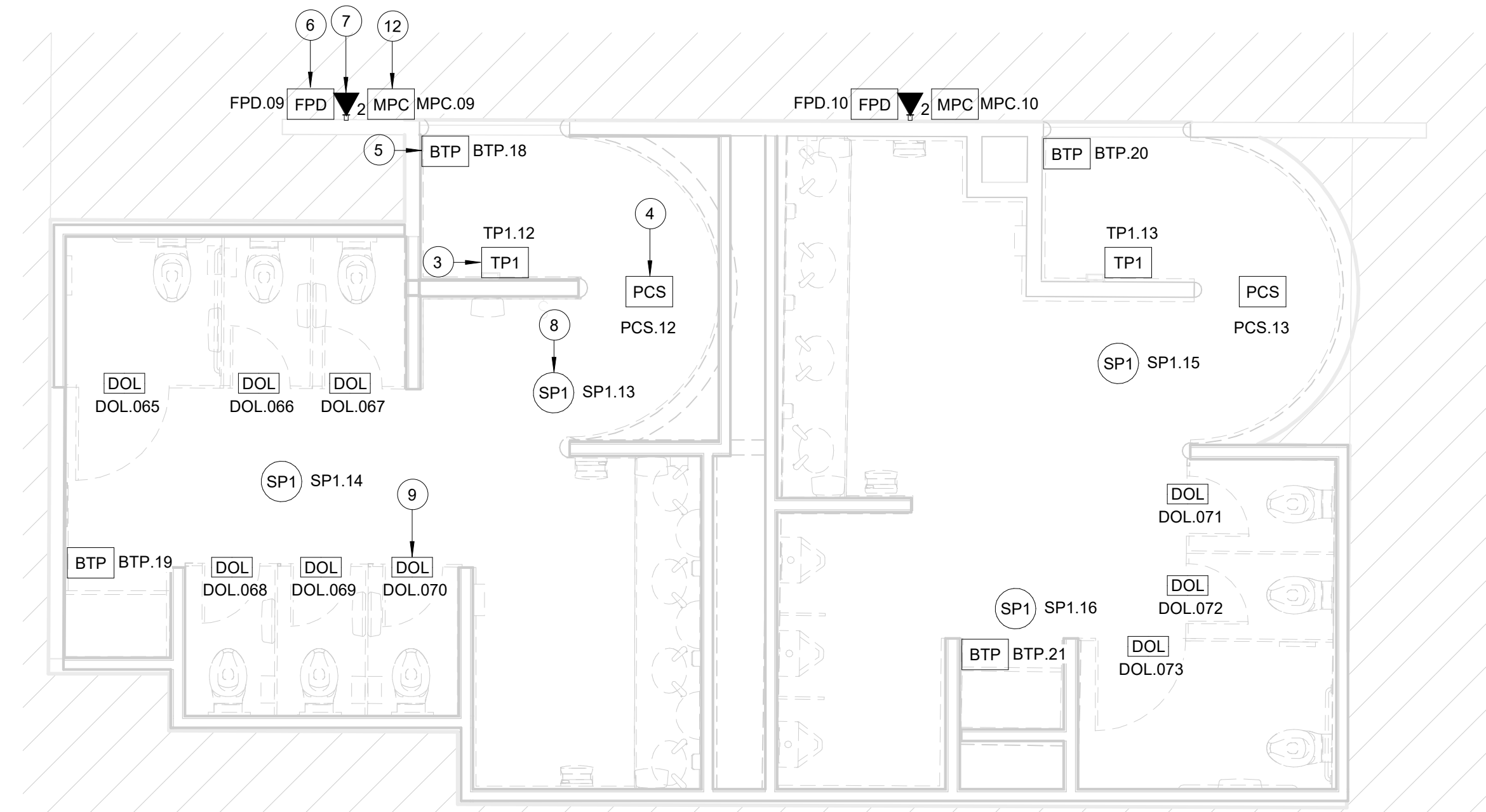
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DOA DWG FILE:  
OLD DOA No. :  
PLOT DATE:

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt

HAS FILE:



**A2 TECHNOLOGY - ENLARGED RR 9-10**  
SCALE: 1/4" = 1'-0"



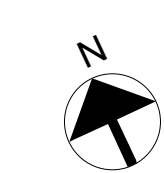
**B2 TECHNOLOGY - ENLARGED RR 11-12**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

- EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- EXISTING 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE EXISTING REC.
- REPLACE EXISTING TABLE FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
- REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1". TO EXISTING REC.
- REPLACE EXISTING BLUETOOTH BEACON PUCK WITH KONTAKT.IO ANCHOR BEACON 2. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- FLAT PANEL DISPLAY WITH WALL MOUNT. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 2 CAT6 CABLE ROUTED THROUGH A 1" TO IDF A.1N (RR 9-10) OR IDF A.2N (RR 11-12).
- REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
- CUBICLES STALL WITH LED OCCUPANCY LIGHTS. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
- LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- MINI COMPUTER. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH HAS IT PRIOR TO INSTALLATION.



2800 N Terminal Rd  
Houston, TX 77032  
**IAH TERMINAL A - RESTROOMS  
REFRESH**

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
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TRP T.I.P. No.	

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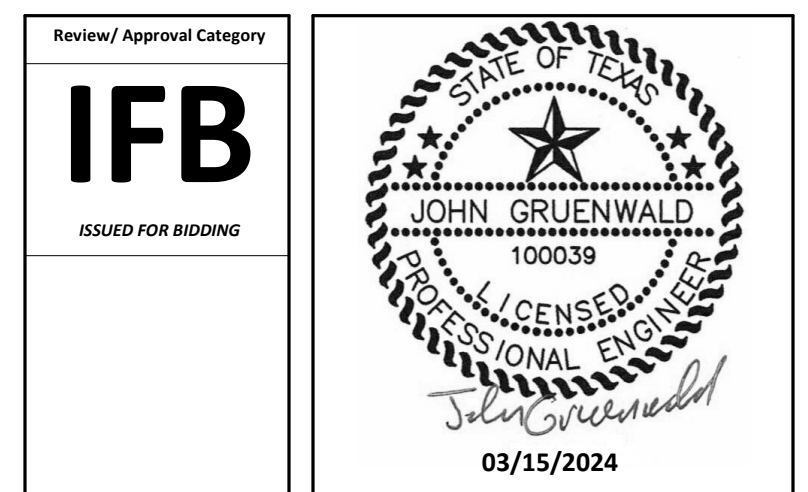


DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

REVISIONS		
NO.	DESCRIPTION	DATE BY

DESIGN BY: PGA  
DRAWN BY: AC  
CHECKED BY: JG  
ISSUE DATE: 03/15/24  
APPROVED BY: JOHN GRUENWALD  
APPROVAL DATE: 03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM



SHEET NAME: TECHNOLOGY - ENLARGED RR 9-12  
SHEET No. T-106 SCALE: 1/4" = 1'-0"  
SHEET SIZE: 30"x42" ARCH E1

A

B

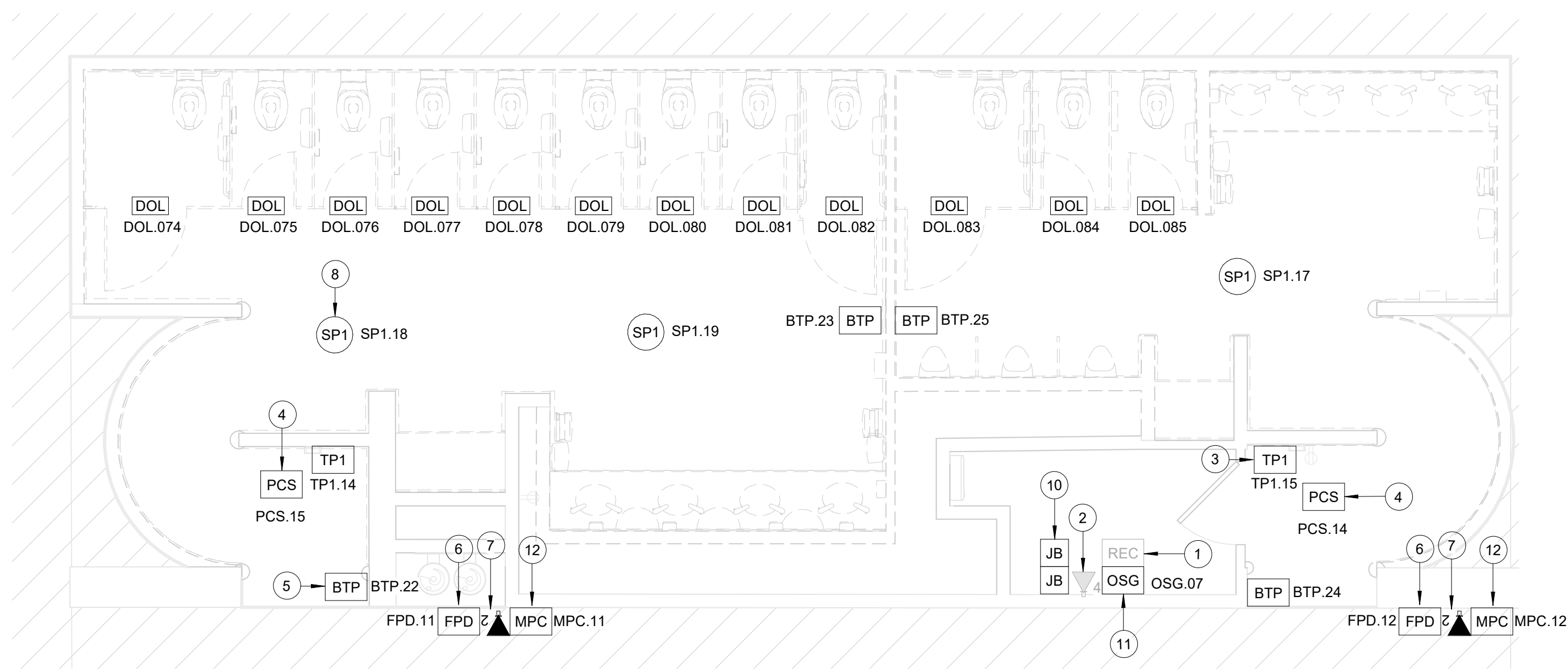
C

D

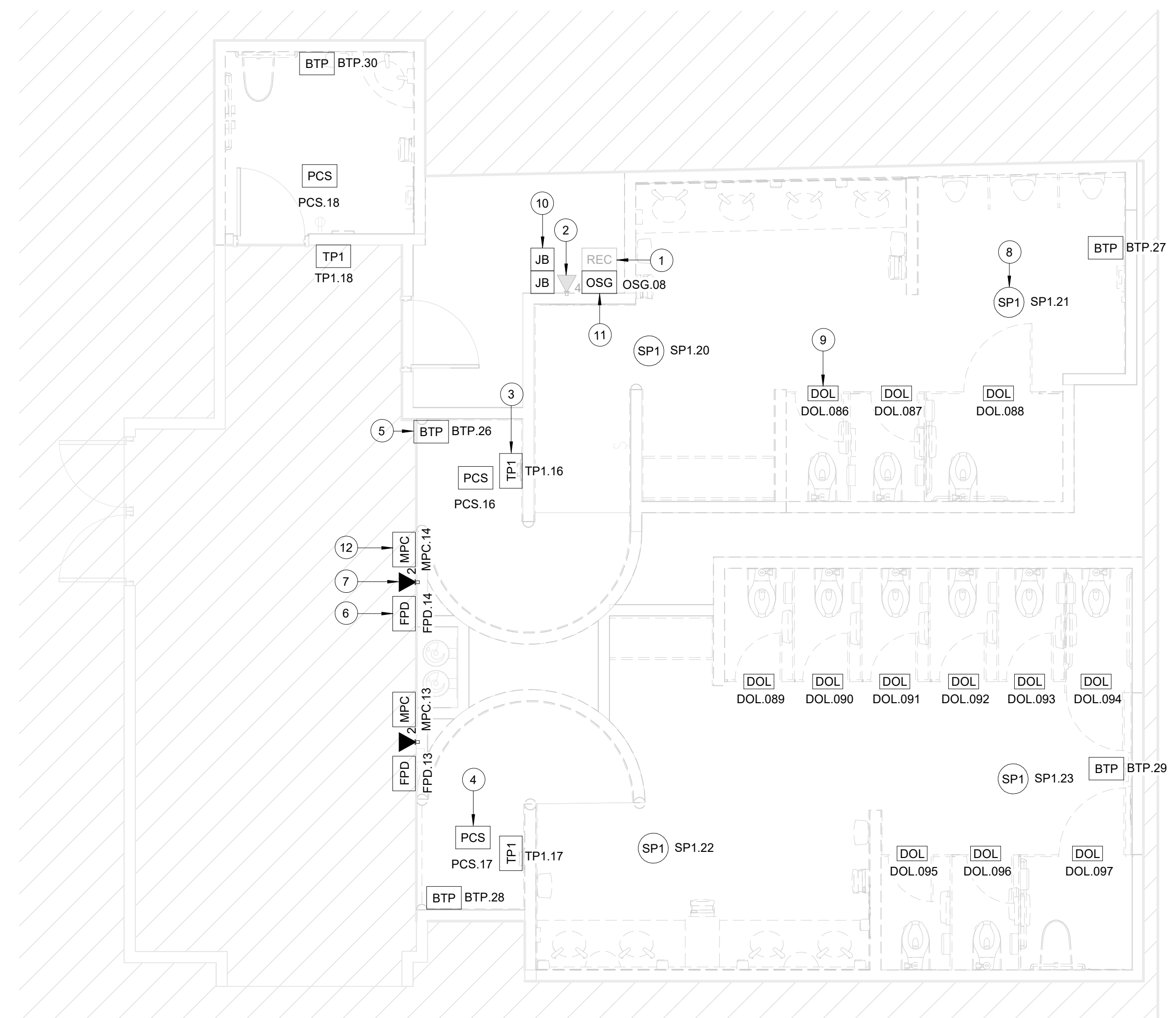
E

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
- REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
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- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.



B3 TECHNOLOGY - ENLARGED RR 13-14  
SCALE: 1/4" = 1'-0"



B1 TECHNOLOGY - ENLARGED RR 15-16  
SCALE: 1/4" = 1'-0"

KEYED NOTES

- EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- EXISTING 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE EXISTING REC.
- REPLACE EXISTING TABLE FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
- REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1". TO EXISTING REC.
- REPLACE EXISTING BLUETOOTH BEACON PUCK WITH KONTAKT.IO ANCHOR BEACON 2. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- FLAT PANEL DISPLAY WITH WALL MOUNT. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 2 CAT6 CABLE ROUTED THROUGH A 1" TO IDF A.26 (RR 13-14) OR IDF A.15 (RR 15-16).
- REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
- CUBICLES STALL WITH LED OCCUPANCY LIGHTS. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
- LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY. LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- MINI COMPUTER. LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH HAS IT PRIOR TO INSTALLATION.



2800 N Terminal Rd  
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IAH TERMINAL A - RESTROOMS  
REFRESH

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

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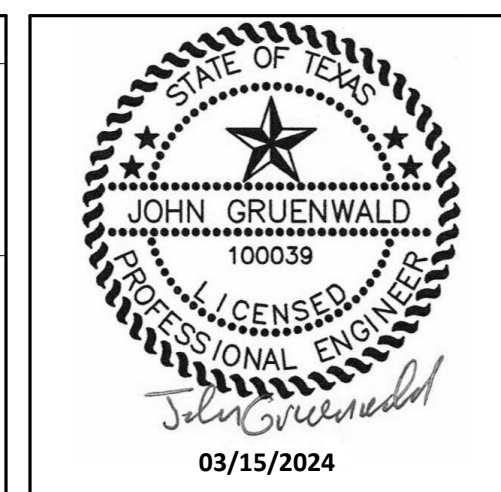
DESIGNER PROJECT No.:  
PROJECT STATUS: IFB

REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: PGA  
DRAWN BY: AC  
CHECKED BY: JG  
ISSUE DATE: 03/15/24  
APPROVED BY: JOHN GRUENWALD  
APPROVAL DATE: 03/15/2024

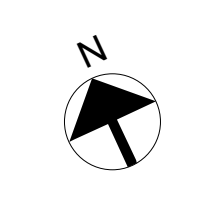
DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM



SHEET NAME: TECHNOLOGY - ENLARGED RR 13-16

SHEET No. T-107 SCALE: 1/4" = 1'-0"

SHEET SIZE: 30"x42" ARCH E1



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

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HAS FILE:

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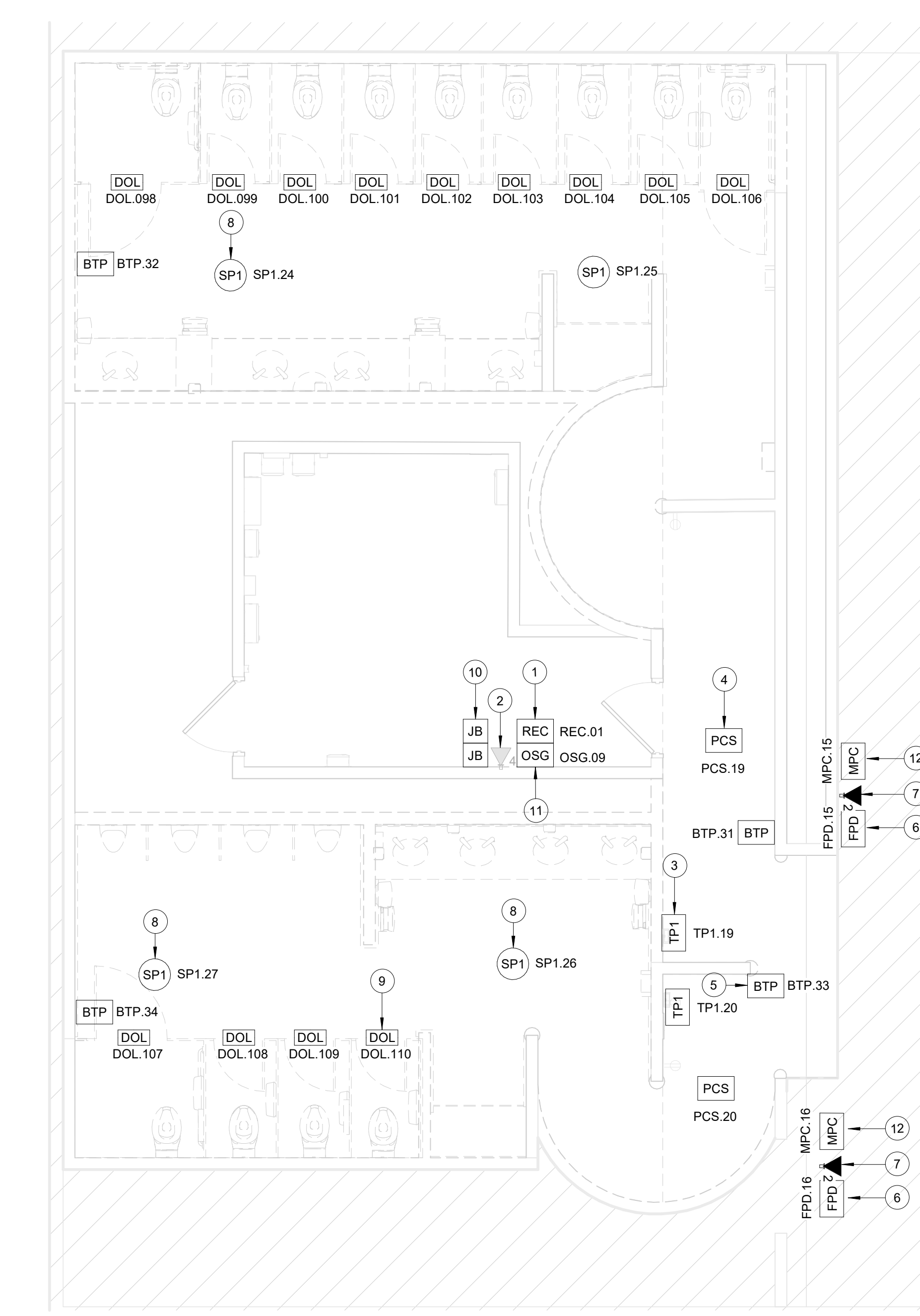
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PLOT DATE:  
DOA DWG FILE:  
OLD DOA No. :  
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FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt

HAS FILE:



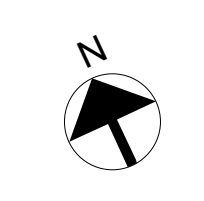
**B1 TECHNOLOGY - ENLARGED RR 17-18**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
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- COORDINATE WITH HAS IT PRIOR TO ANY IT CONSTRUCTION ACTIVITIES.
- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO'D TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

- REPLACE SHELF WITH NEW GL15WM-040400, GREAT LAKES WALL MOUNT JU CABINET OR PPROVED EQUAL. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- EXISTING 4-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED INSIDE EXISTING REC.
- REPLACE EXISTING TABLET FASTENED TO WALL WITH APPROVED WALL MOUNT HARDWARE, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT INSTALLATION DETAIL FOR APPROVAL PRIOR TO INSTALLATION AS REQUIRED.
- REPLACE EXISTING PASSENGER COUNT SENSOR WITH LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. (1) CAT6 CABLE ROUTED THROUGH A 1". TO EXISTING REC.
- REPLACE EXISTING BLUETOOTH BEACON PUCK WITH KONTAKT.IO, ANCHOR BEACON 2. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- FLAT PANEL DISPLAY WITH WALL MOUNT, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- 2-PORT, SURFACE MOUNT DATA RECEPTACLE MOUNTED TO WALL. 2 CAT6 CABLE ROUTED THROUGH A 1" TO IDF A.3S.
- REPLACE CEILING SPEAKER WITH NEW JBL CONTROL 24CT. KEEP THE SAME/CLOSEST TAP VALUE, AND TURN OLD SPEAKER OVER TO HAS IT.
- CUBICLES STALL WITH LED OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. CONTRACTOR RESPONSIBLE FOR INTEGRATION OF CUBICLE LED OCCUPANCY WITH TRAX SYSTEM.
- LOCATION OF JUNCTION BOX FOR BATHROOM STALL OCCUPANCY LIGHTS POWER SUPPLY. JUNCTION BOX TO HAVE 1" CONDUIT ROUTED TO CEILING.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAY, LATEST HAS IT ADOPTED PRODUCT SELECTED BY TRAX. PLACE INSIDE EXISTING WALL MOUNTED REMOTE EQUIPMENT ENCLOSURE (REC).
- MINI COMPUTER, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL AND COORDINATE WITH HAS IT PRIOR TO INSTALLATION.



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**IAH TERMINAL A - RESTROOMS  
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TRP T.I.P. No.	

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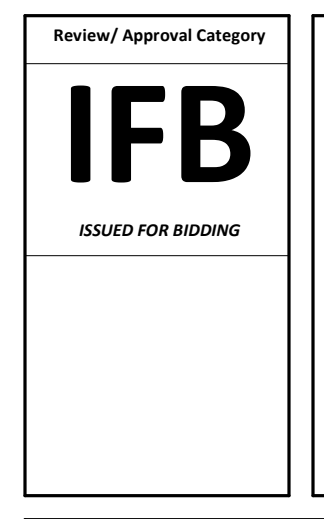


**DESIGNER PROJECT No.:**  
**PROJECT STATUS:** IFB

REVISIONS		
No.	DESCRIPTION	DATE BY

**DESIGN BY:** PGA  
**DRAWN BY:** AC  
**CHECKED BY:** JG  
**ISSUE DATE:** 03/15/24  
**APPROVED BY:** JOHN GRUENWALD  
**APPROVAL DATE:** 03/15/2024

**DIRECTOR**  
of  
**HOUSTON AIRPORT SYSTEM**



**SHEET NAME:** TECHNOLOGY - ENLARGED RR 17-18  
**SHEET No.:** T-108 **SCALE:** 1/4" = 1'-0"  
**SHEET SIZE:** 30"x42" ARCH E1

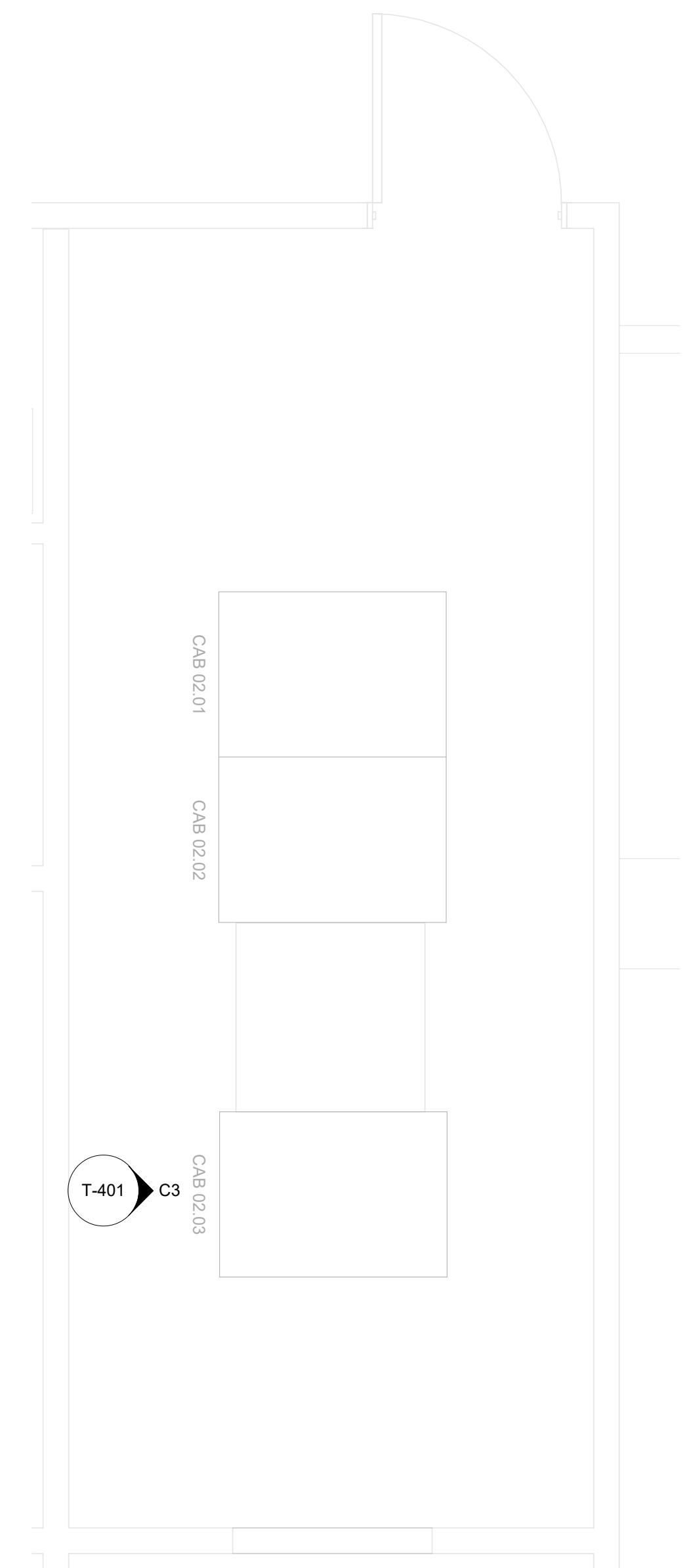
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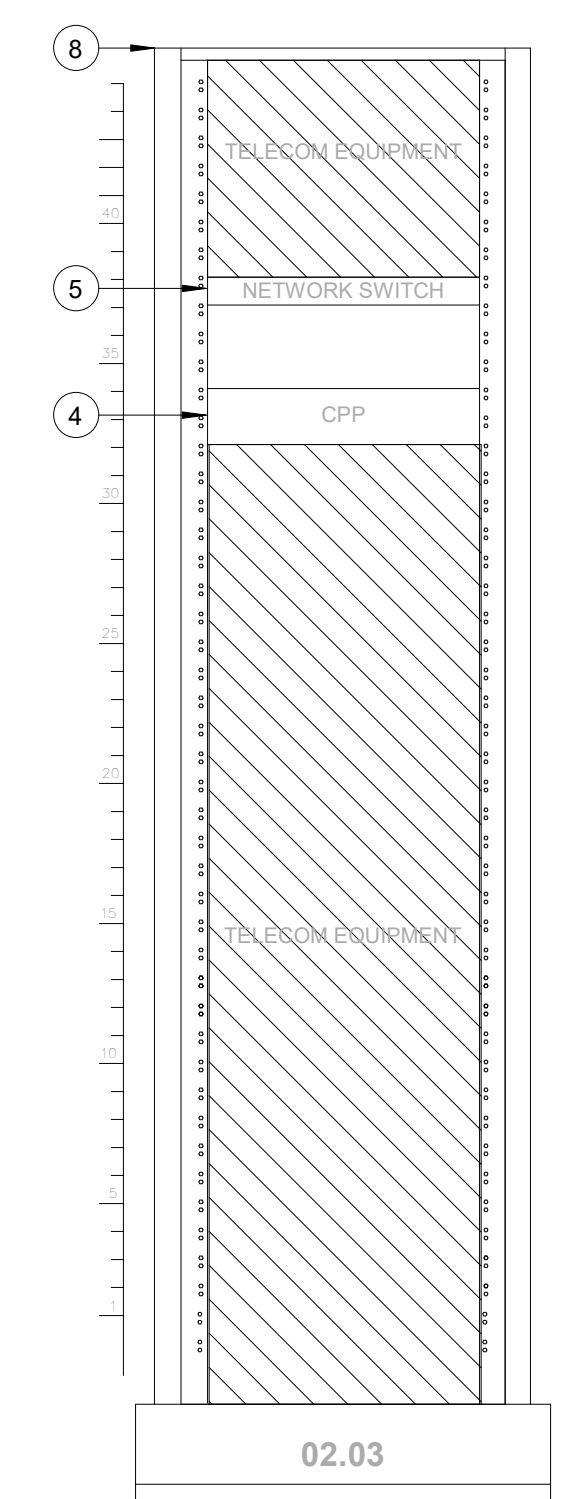
C

D

E



**A2 ENLARGED FLOOR PLAN - LEVEL 1 - IDF A.3BL**  
SCALE: 1/2" = 1'-0"



**C3 IDF A.3BL - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"

**GENERAL NOTES**

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- TURN OVER ANY DEMO TECHNOLOGY DEVICES TO HAS IT.

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Houston, TX 77032  
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pgaeengineers.com  
TBPE FRM #12493

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: **PGA**  
DRAWN BY: **AC**  
CHECKED BY: **JG**  
ISSUE DATE: **03/15/24**  
APPROVED BY: **JOHN GRUENWALD**  
APPROVAL DATE: **03/15/2024**

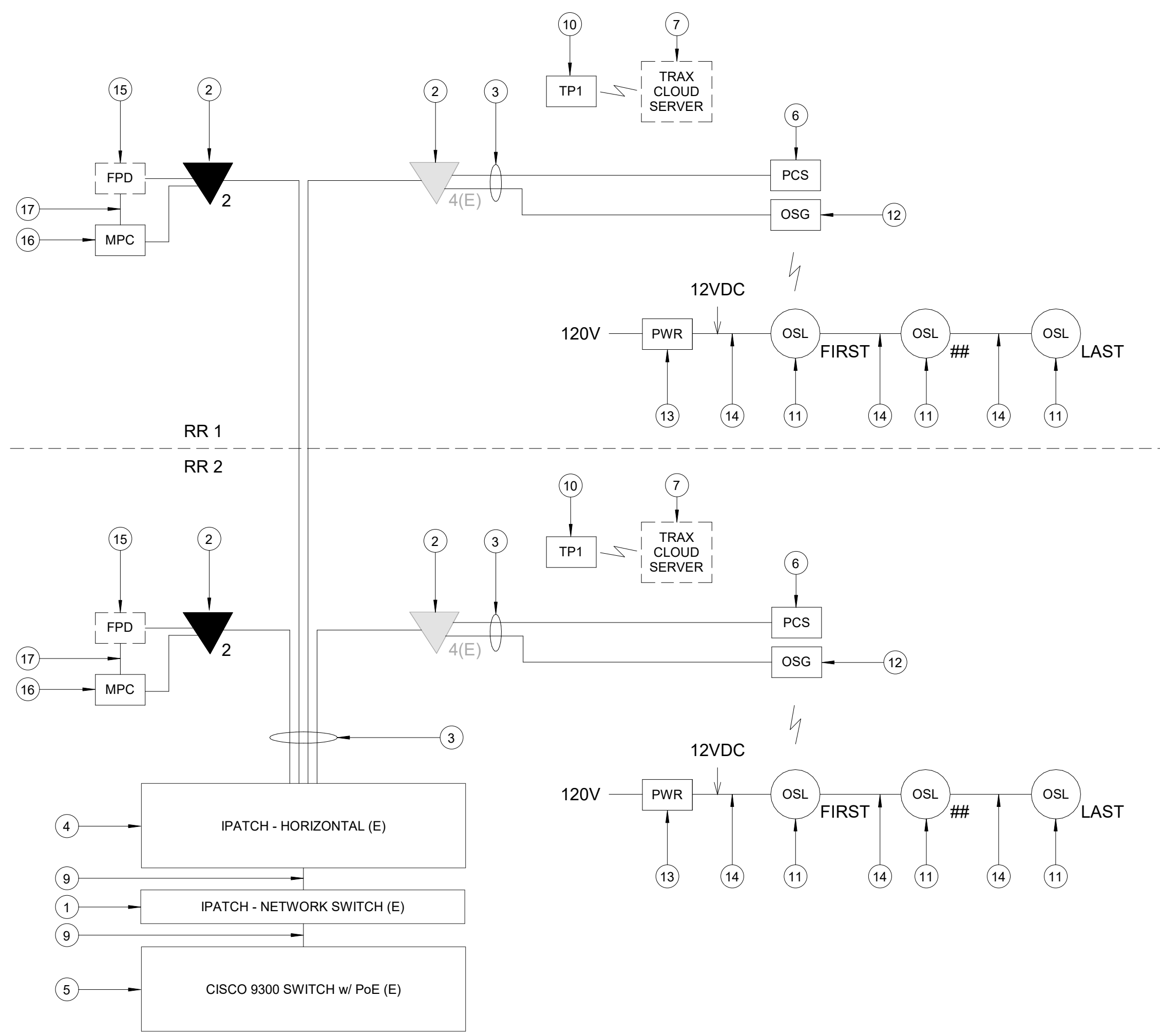
**DIRECTOR of HOUSTON AIRPORT SYSTEM**

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

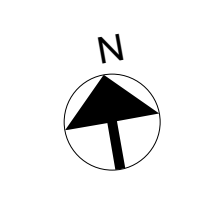
STATE OF TEXAS  
LICENSED PROFESSIONAL ENGINEER  
JOHN GRUENWALD  
100039  
03/15/2024

**KEYED NOTES**

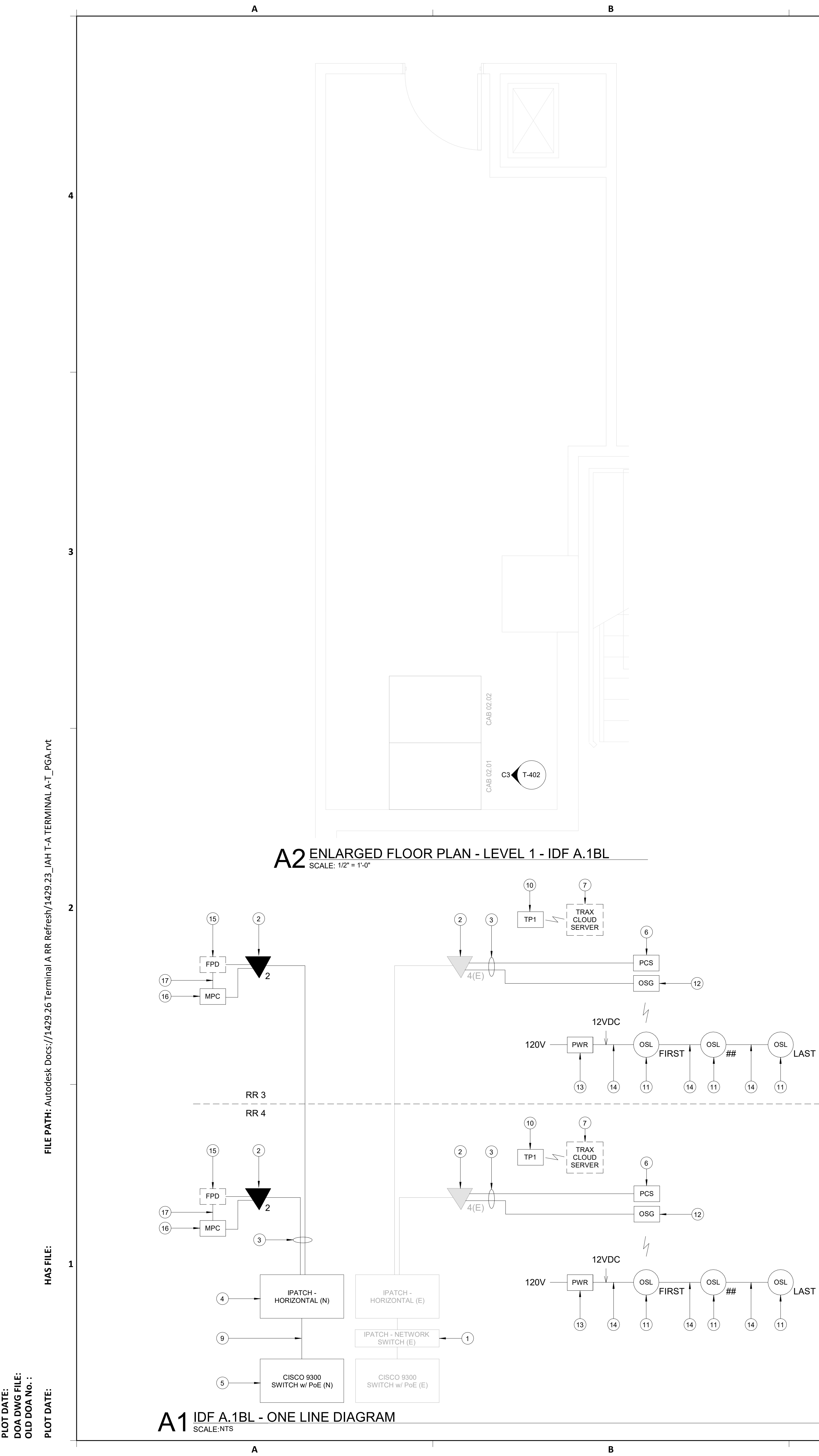
- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH, "TA-3BL-3658-1" (E)
- PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- BATHROOM STALL OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. EXACT NUMBER DAISY-CHAINED NOT SHOWN, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAYS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. LOCATED IN RESTROOM CLOSET RECS, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. 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.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.
- FLAT PANEL DISPLAY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- MINI COMPUTER, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- HDMI CABLE.



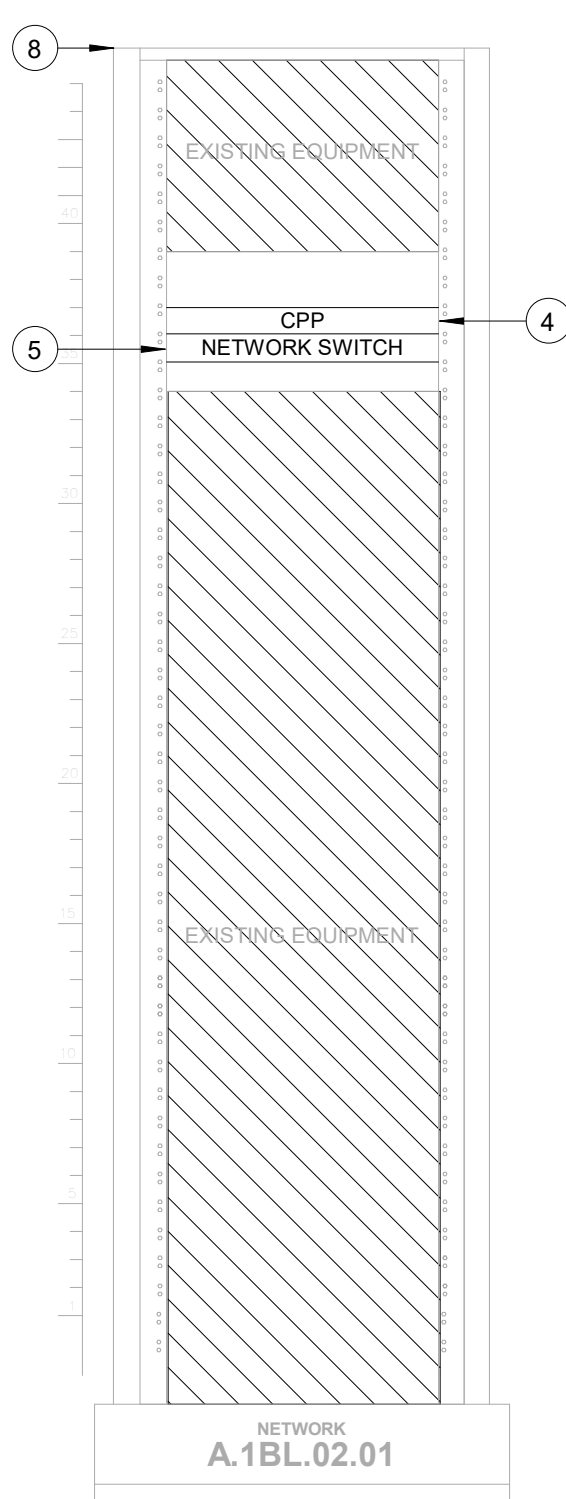
**A1 IDF A.3BL - ONE LINE DIAGRAM**  
SCALE: NTS



FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
 HAS FILE:  
 PLOT DATE:  
 DOA DWG FILE:  
 OLD DOA No.:  
 PLOT DATE:



**C3 IDF A.1BL - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"



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- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMO TECHNOLOGY DEVICES TO HAS IT.

**KEYED NOTES**

- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, 24 PORT HORIZONTAL. (N)
- CISCO 9300 NETWORK SWITCH, 24 PORT. (N)
- PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- BATHROOM STALL OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. EXACT NUMBER DAISY-CHAINED NOT SHOWN, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAYS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. LOCATED IN RESTROOM CLOSET RECS, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. 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.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.
- FLAT PANEL DISPLAY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- MINI COMPUTER, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- HDMI CABLE.

**HOUSTON AIRPORTS**  
2800 N Terminal Rd  
Houston, TX 77032  
**IAH TERMINAL A - RESTROOMS REFRESH**

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

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**PGA ENGINEERS, INC**  
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: **PGA**  
DRAWN BY: **AC**  
CHECKED BY: **JG**  
ISSUE DATE: **03/15/24**  
APPROVED BY: **JOHN GRUENWALD**  
APPROVAL DATE: **03/15/2024**

**DIRECTOR of HOUSTON AIRPORT SYSTEM**

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

STATE OF TEXAS  
LICENSED PROFESSIONAL ENGINEER  
100039  
John Gruenwald  
03/15/2024

SHEET NAME: **TECHNOLOGY - ENLARGED PLAN - IDF A.1BL**  
SHEET No.: **T-402** SCALE: **As indicated**  
SHEET SIZE: **30"x42" ARCH E1**

PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE: FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt HAS FILE:



A

B

C

D

E

GENERAL NOTES

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**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

REVISIONS

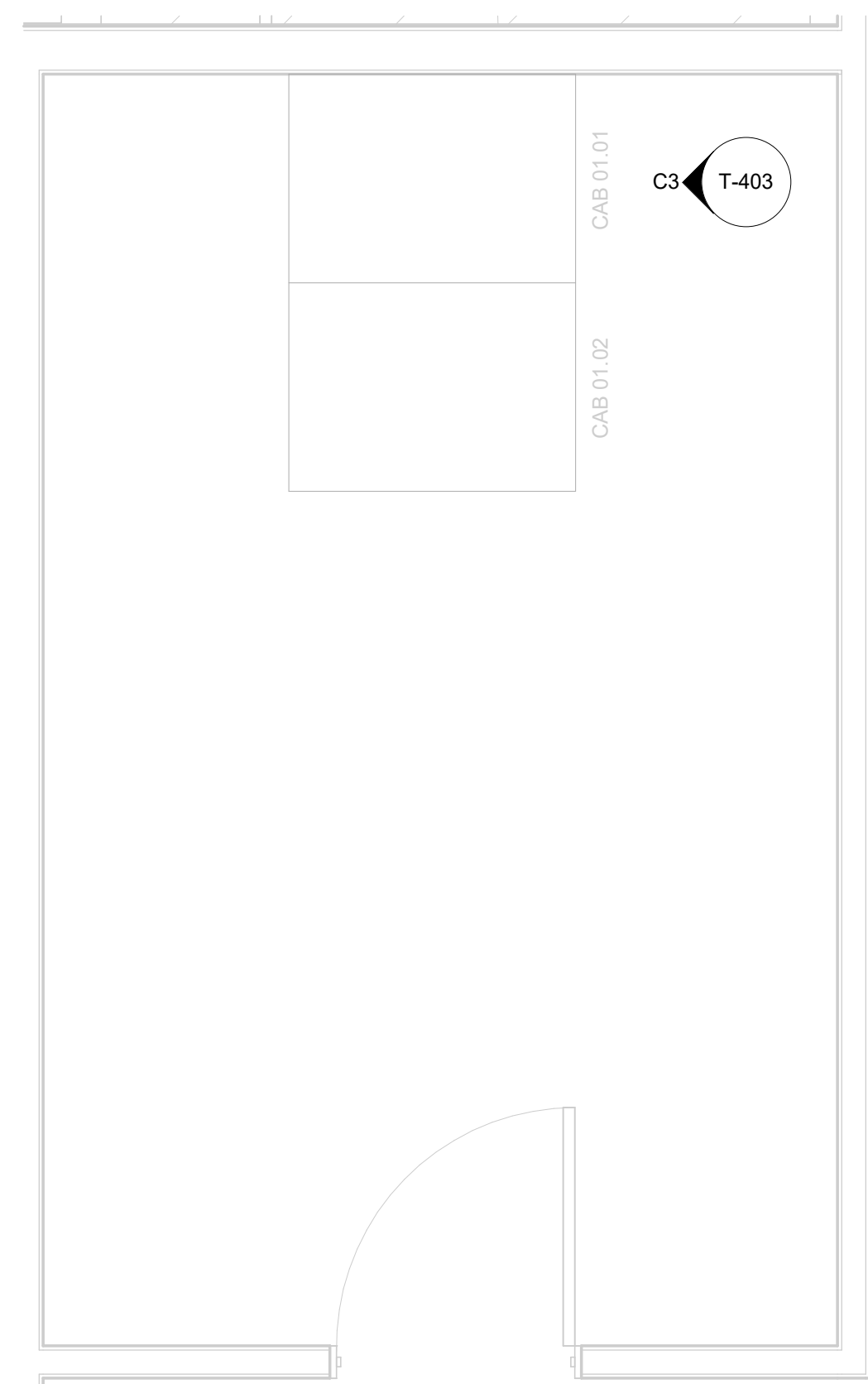
No.	DESCRIPTION	DATE	BY

DESIGN BY: PGA  
DRAWN BY: AC  
CHECKED BY: JG  
ISSUE DATE: 03/15/24  
APPROVED BY: JOHN GRUENWALD  
APPROVAL DATE: 03/15/2024

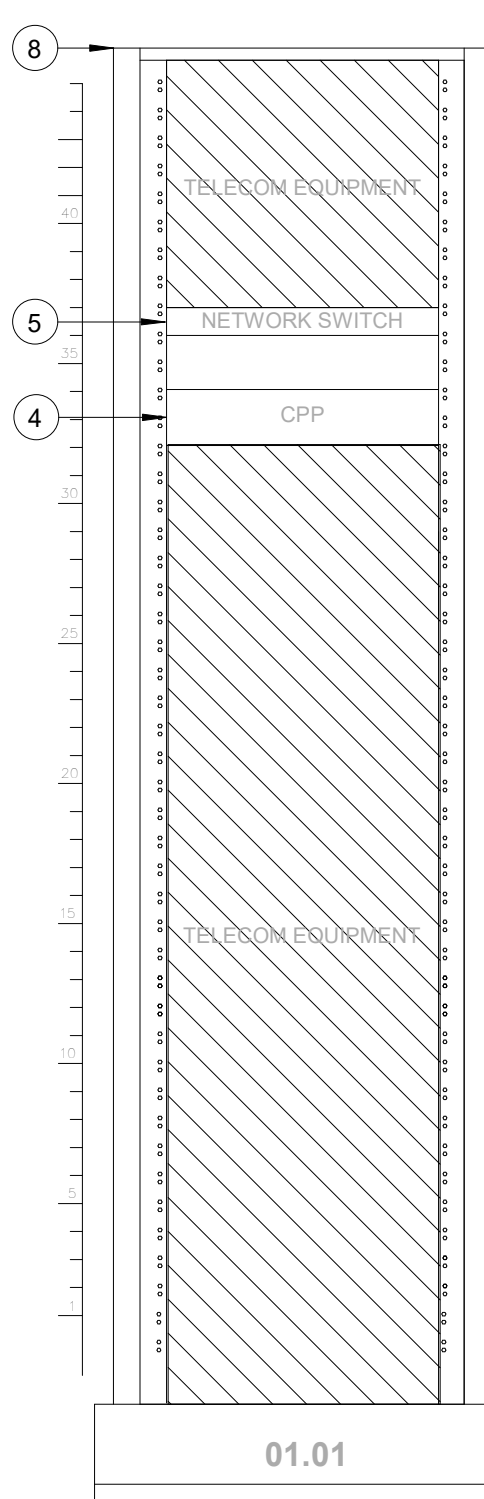
DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM



SHEET NAME: TECHNOLOGY - ENLARGED PLAN - IDF A.5N  
SHEET No. T-403 SCALE: As indicated  
SHEET SIZE: 30"x42" ARCH E1



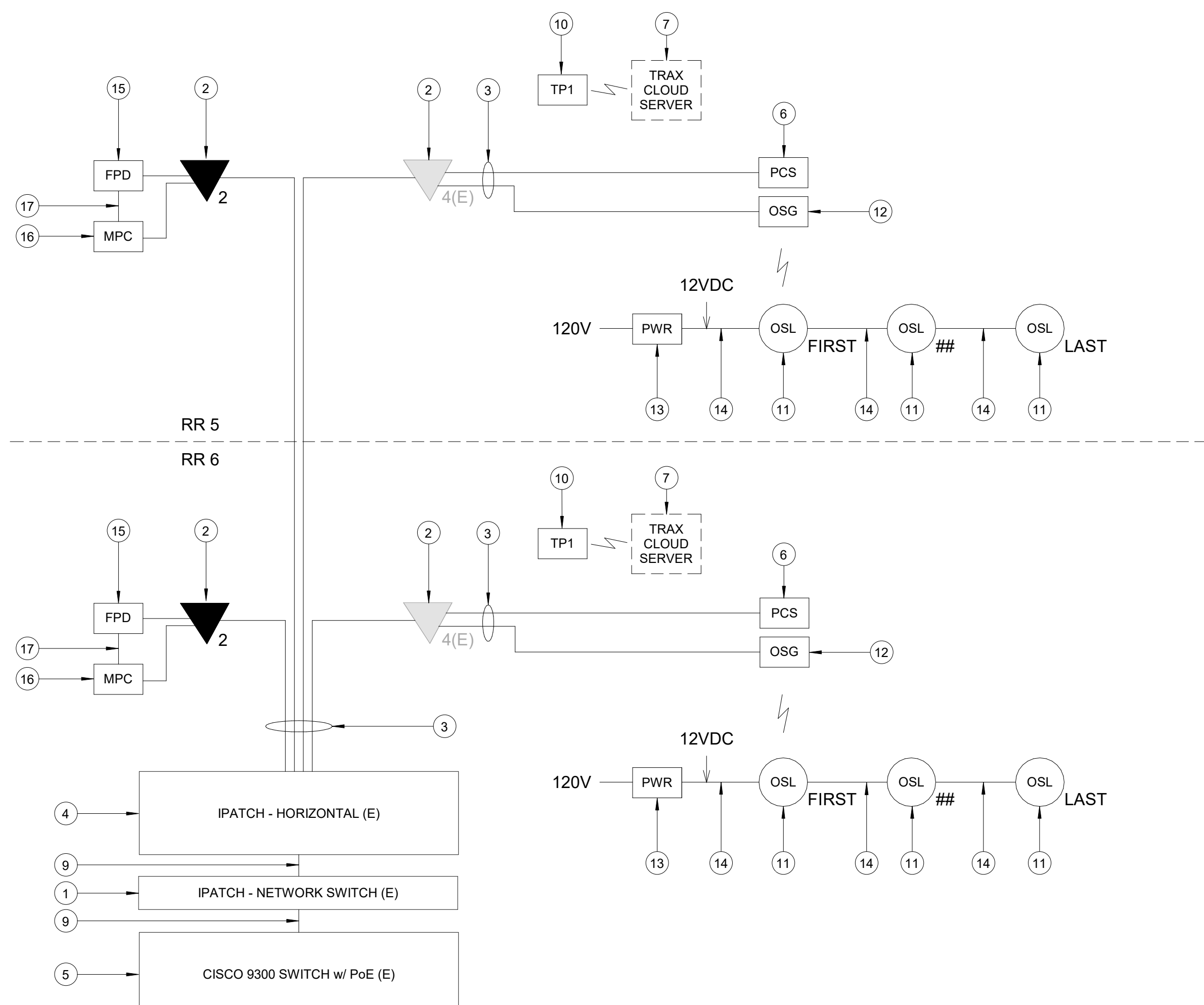
**A3 ENLARGED FLOOR PLAN - LEVEL 2 - IDF A.5N**  
SCALE: 1/2" = 1'-0"



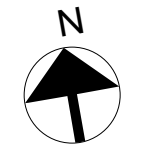
**C3 IDF A.5N - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"

KEYED NOTES

- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH, "TA-5N-9304-1" (E)
- PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- BATHROOM STALL OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. EXACT NUMBER DAISY-CHAINED NOT SHOWN, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAYS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. LOCATED IN RESTROOM CLOSET RECS, REFERENCE SHEET T-102.
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- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.
- FLAT PANEL DISPLAY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
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- HDMI CABLE.

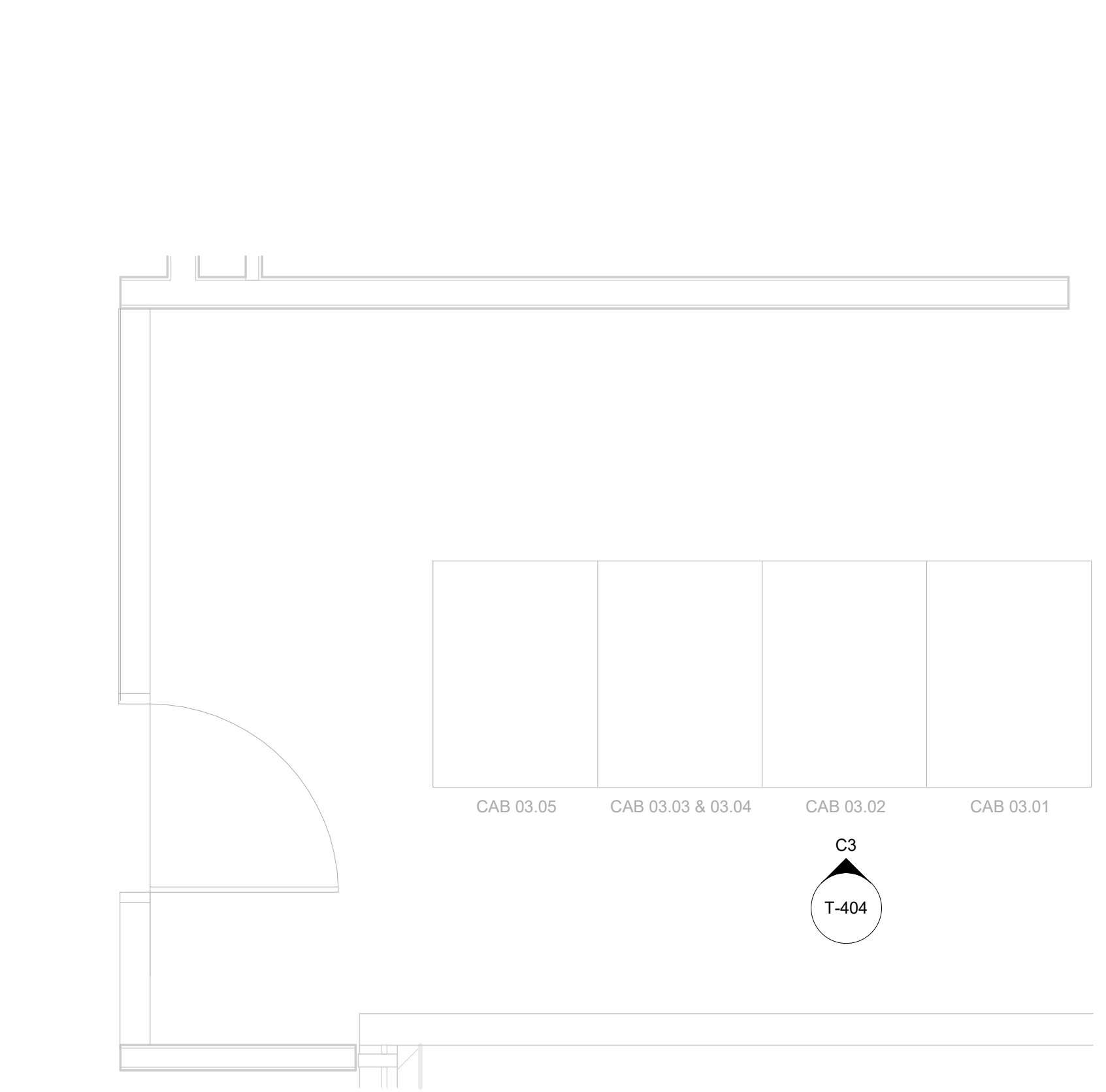


**A1 IDF A.5N - ONE LINE DIAGRAM**  
SCALE: NTS

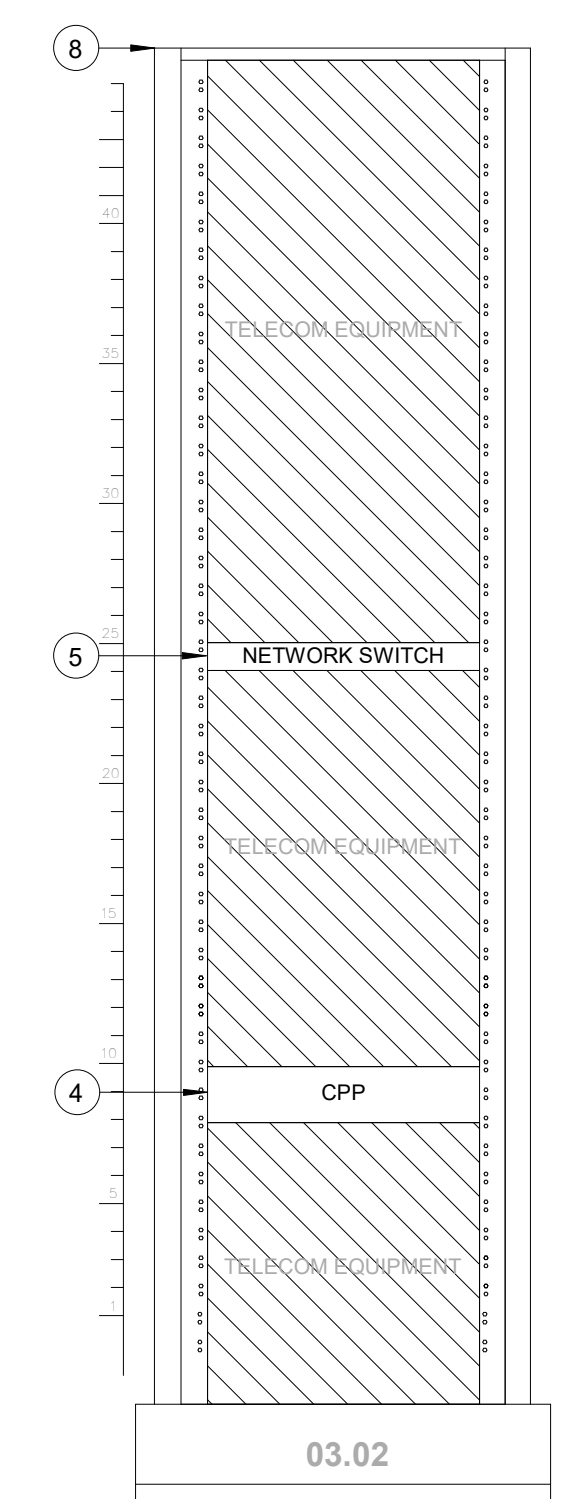


FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
 HAS FILE:  
 PLOT DATE:  
 DOA DWG FILE:  
 OLD DOA No.:  
 PLOT DATE:

A B C D E



**A3 ENLARGED FLOOR PLAN - LEVEL 2 - IDF A.1N**  
SCALE: 1/2" = 1'-0"



**C3 IDF A.1N - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"

**GENERAL NOTES**

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**IAH TERMINAL A - RESTROOMS REFRESH**

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**PGA ENGINEERS, INC**  
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

**REVISIONS**

No.	DESCRIPTION	DATE	BY

DESIGN BY: **PGA**  
DRAWN BY: **AC**  
CHECKED BY: **JG**  
ISSUE DATE: **03/15/24**  
APPROVED BY: **JOHN GRUENWALD**  
APPROVAL DATE: **03/15/2024**

**DIRECTOR of HOUSTON AIRPORT SYSTEM**

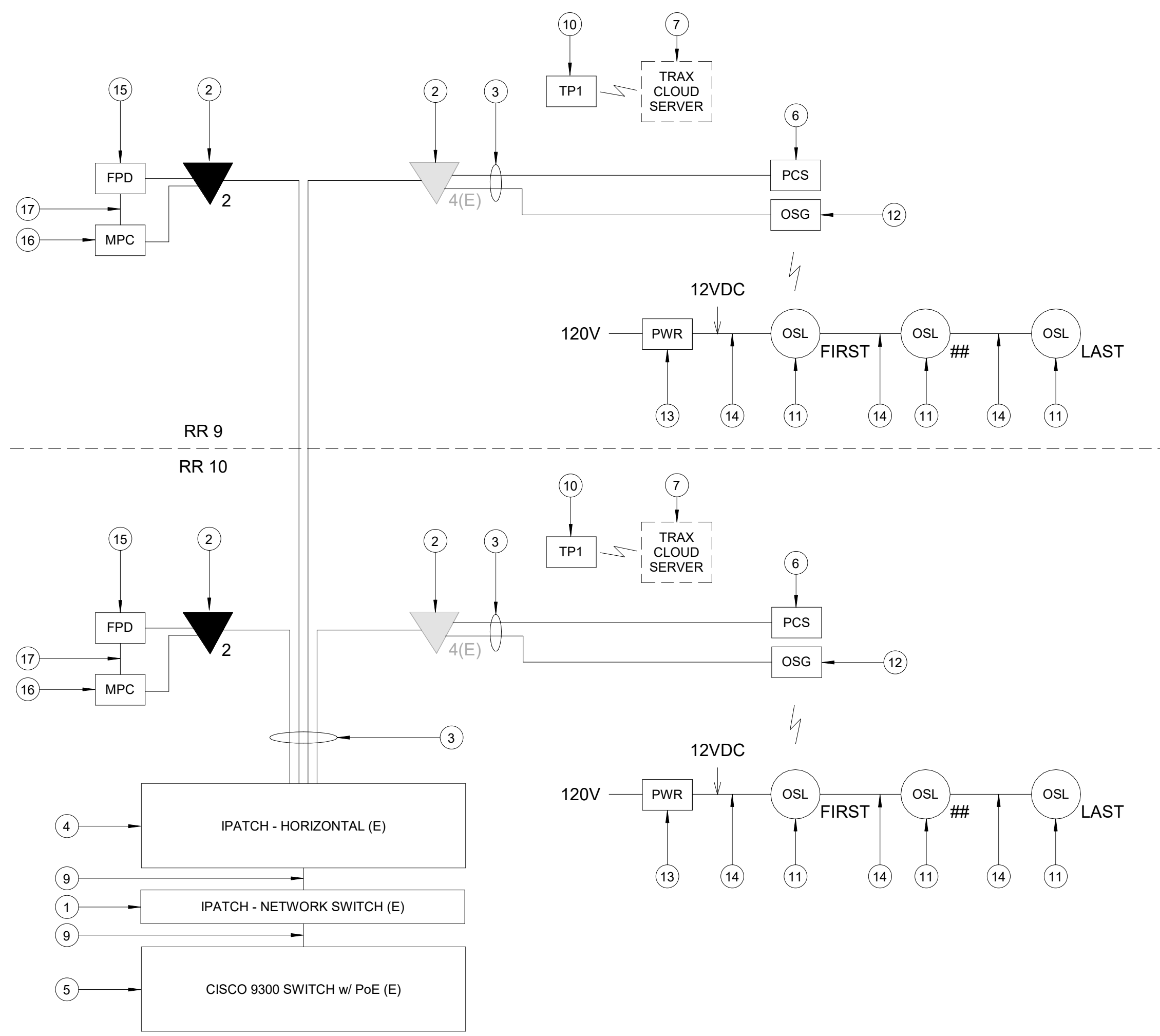
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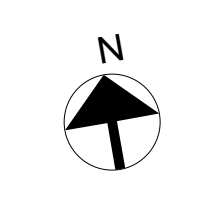
STATE OF TEXAS  
LICENSED PROFESSIONAL ENGINEER  
100039  
John Gruenwald  
03/15/2024

**KEYED NOTES**

- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH, "TA-IN-9308-1" (E)
- PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- BATHROOM STALL OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. EXACT NUMBER DAISY-CHAINED NOT SHOWN, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT GATEWAYS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. LOCATED IN RESTROOM CLOSET RECS, REFERENCE SHEET T-102.
- BATHROOM STALL OCCUPANCY LIGHT POWER SUPPLY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. 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.
- PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.
- FLAT PANEL DISPLAY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
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- HDMI CABLE.



**A1 IDF A.1N - ONE LINE DIAGRAM**  
SCALE: NTS



FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
 HAS FILE:  
 PLOT DATE:  
 DOA DWG FILE:  
 OLD DOA No.:  
 PLOT DATE:

A

B

C

D

E

GENERAL NOTES

- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
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- SCREENED DEVICES DENOTE EXISTING.
- TURN OVER ANY DEMOD TECHNOLOGY DEVICES TO HAS IT.



2800 N Terminal Rd  
Houston, TX 77032  
**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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

REVISIONS

No.	DESCRIPTION	DATE	BY

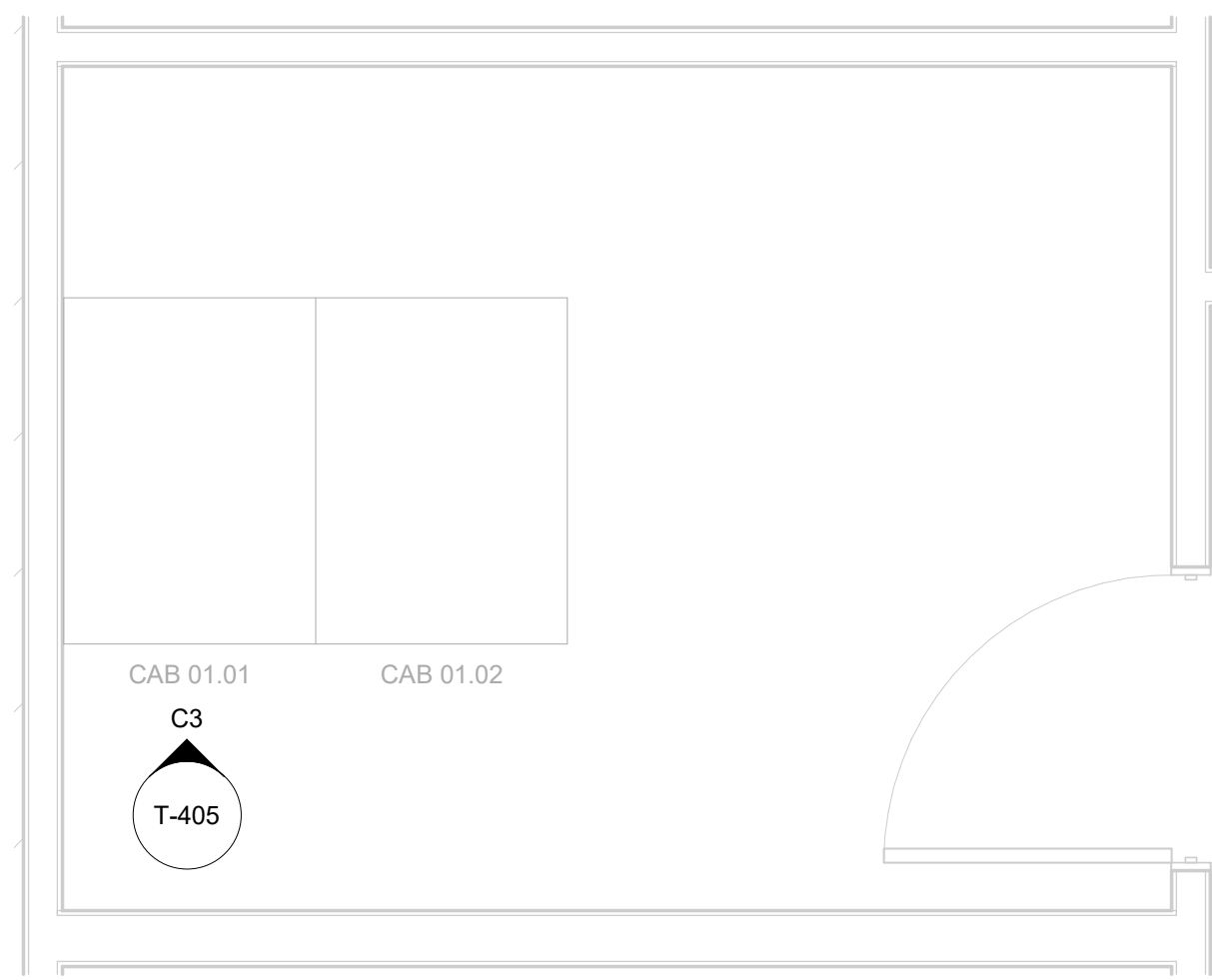
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DRAWN BY: AC  
CHECKED BY: JG  
ISSUE DATE: 03/15/24  
APPROVED BY: JOHN GRUENWALD  
APPROVAL DATE: 03/15/2024

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

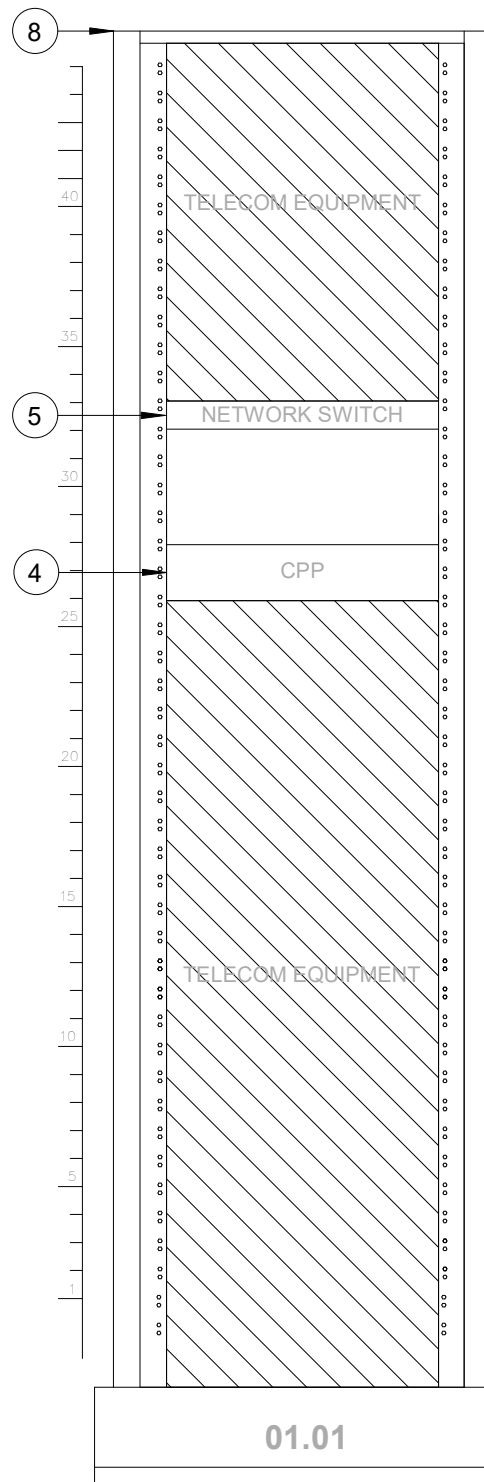
IFB  
ISSUED FOR BIDDING



SHEET NAME: TECHNOLOGY - ENLARGED PLAN - IDF A.2N  
SHEET No. T-405 SCALE: As indicated  
SHEET SIZE: 30"x42" ARCH E1



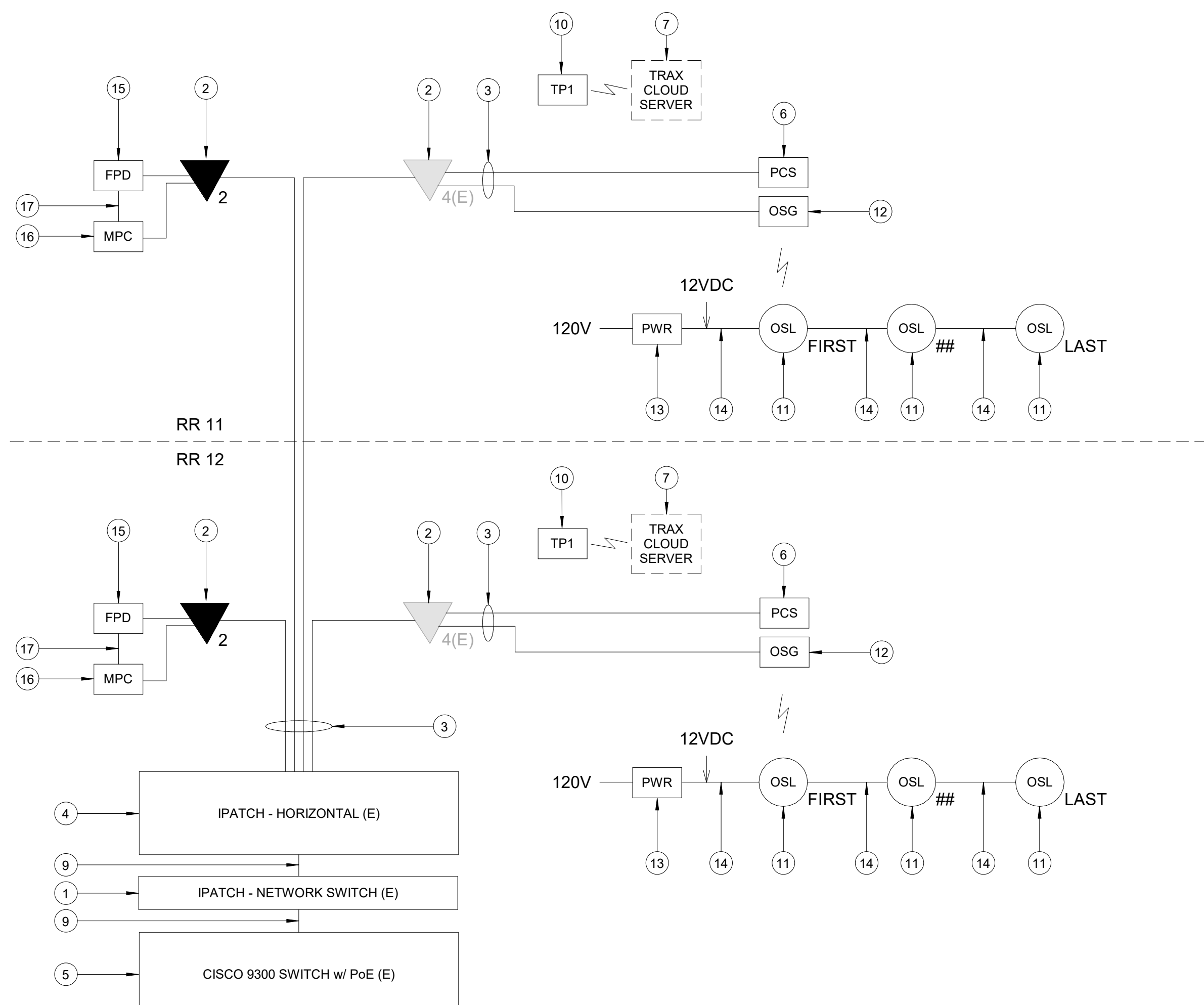
**A3 ENLARGED FLOOR PLAN - LEVEL 2 - IDF A.2N**  
SCALE: 1/2" = 1'-0"



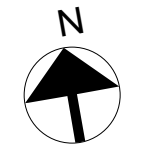
**C3 IDF A.2N - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"

KEYED NOTES

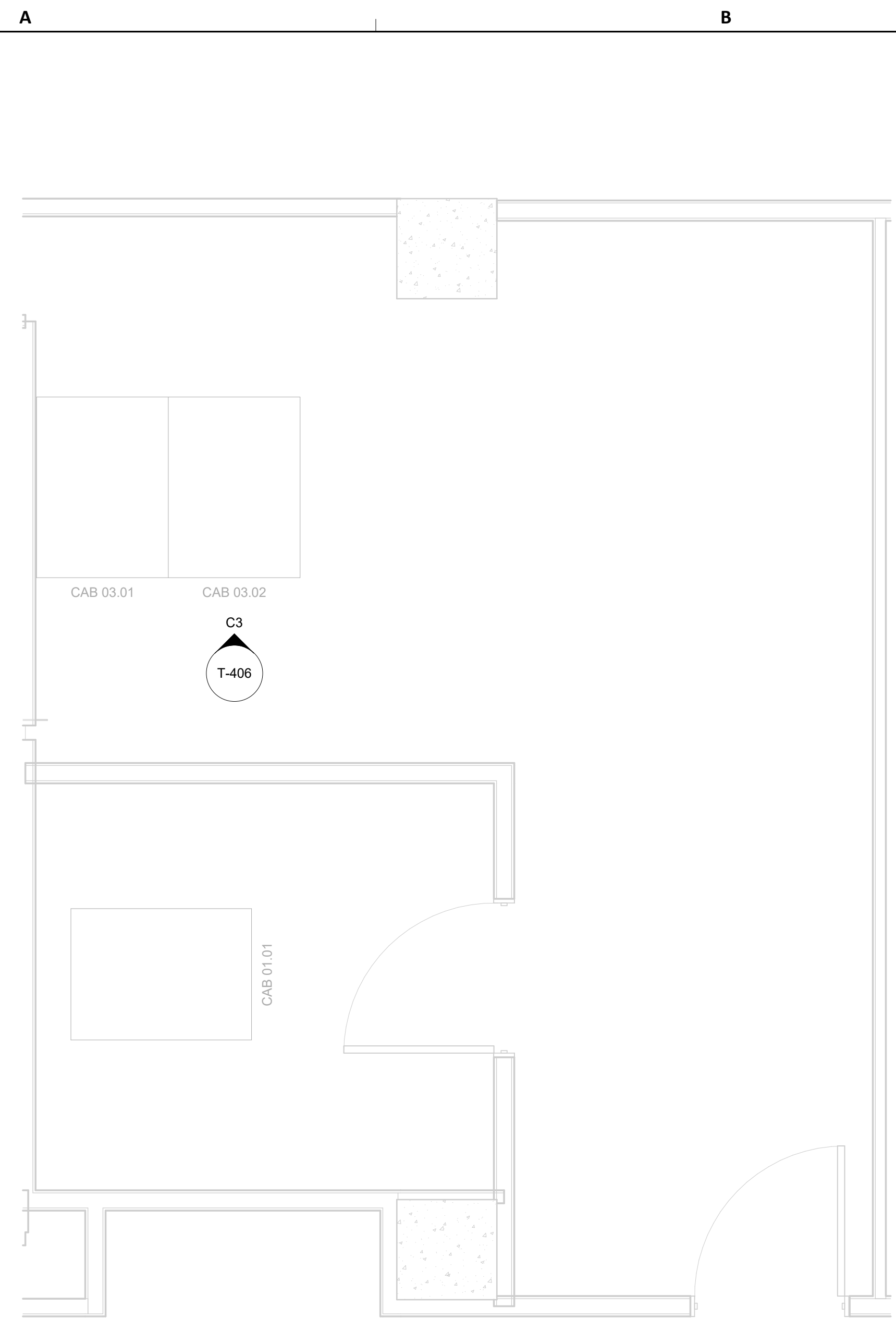
- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH, "TA-2N-9308-1" (E)
- PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
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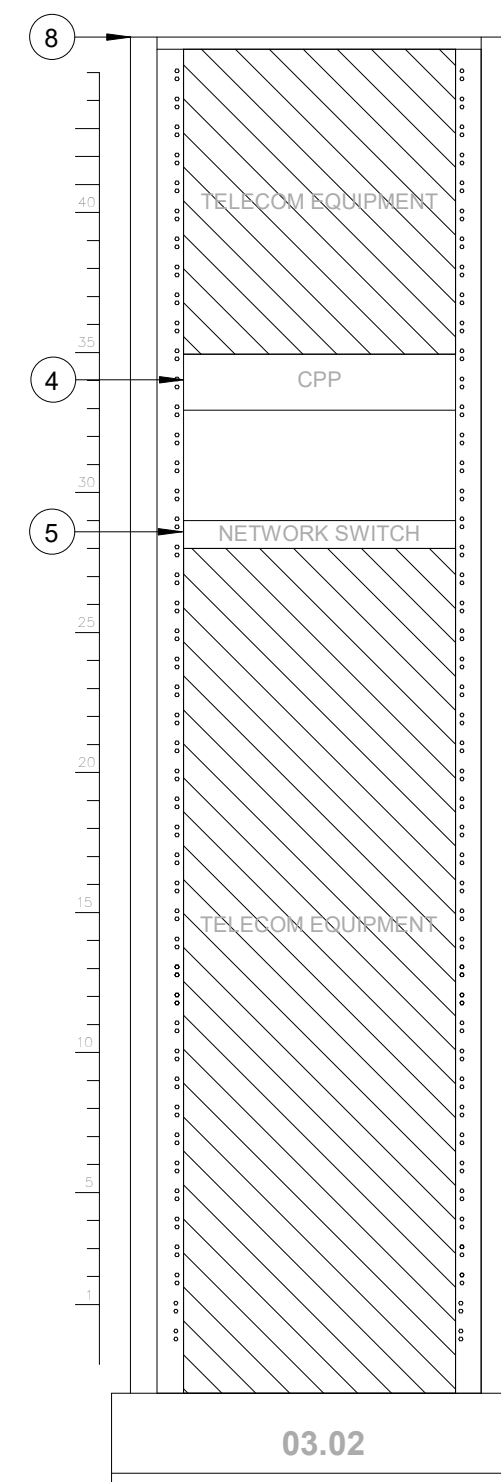
**A1 IDF A.2N - ONE LINE DIAGRAM**  
SCALE: NTS



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



**A3 ENLARGED FLOOR PLAN - LEVEL 2 - IDF A.2S**  
SCALE: 1/2" = 1'-0"



**C3 IDF A.2S - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"

**GENERAL NOTES**

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**IAH TERMINAL A - RESTROOMS  
REFRESH**

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
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TRP T.I.P. No.	

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Houston, TX 77032  
346.570.2418  
pgae.com  
TBP# FRM #12493

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

**REVISIONS**

No.	DESCRIPTION	DATE	BY

**DESIGN BY:** PGA  
**DRAWN BY:** AC  
**CHECKED BY:** JG  
**ISSUE DATE:** 03/15/24  
**APPROVED BY:** JOHN GRUENWALD  
**APPROVAL DATE:** 03/15/2024

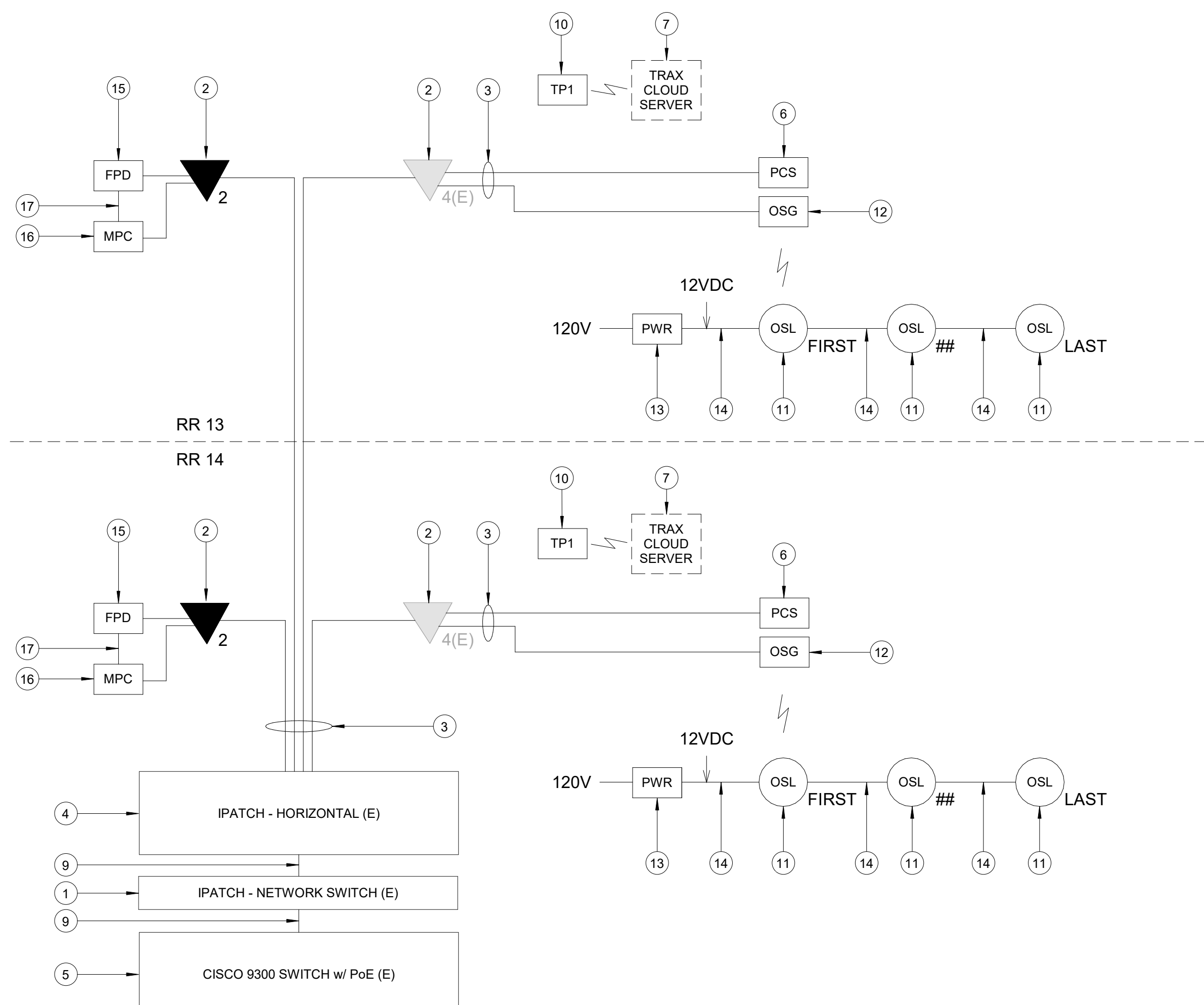
**DIRECTOR**  
of  
**HOUSTON AIRPORT SYSTEM**

Review/Approval Category  
**IFB**  
ISSUED FOR BIDDING

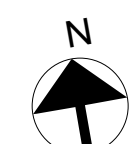


**KEYED NOTES**

- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH, "TA-2S-9308-3" (E)
- PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
- TRAX CLOUD SERVER, LOCATED OFFSITE.
- EQUIPMENT CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
- CATEGORY 6 PATCH CORDS.
- TABLET, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
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- HDMI CABLE.



**A1 IDF A.2S - ONE LINE DIAGRAM**  
SCALE: NTS



A

B

C

D

E

GENERAL NOTES

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5. TURN OVER ANY DEMOD TECHNOLOGY DEVICES TO HAS IT.



2800 N Terminal Rd  
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**IAH TERMINAL A - RESTROOMS  
REFRESH**

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

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Houston, TX 77052  
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pgaengineers.com  
TBP# FRM #12493

DESIGNER PROJECT No.:

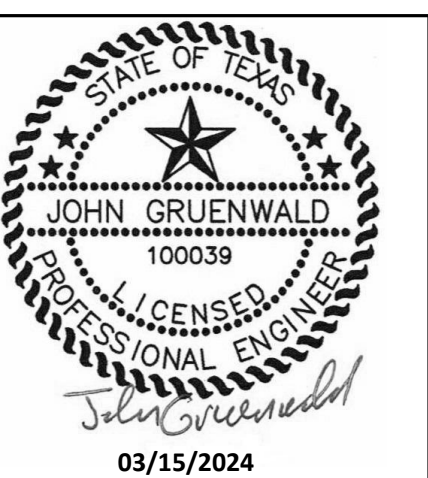
PROJECT STATUS: **IFB**

REVISIONS

No.	DESCRIPTION	DATE	BY

DESIGN BY: PGA  
DRAWN BY: AC  
CHECKED BY: JG  
ISSUE DATE: 03/15/24  
APPROVED BY: JOHN GRUENWALD  
APPROVAL DATE: 03/15/2024

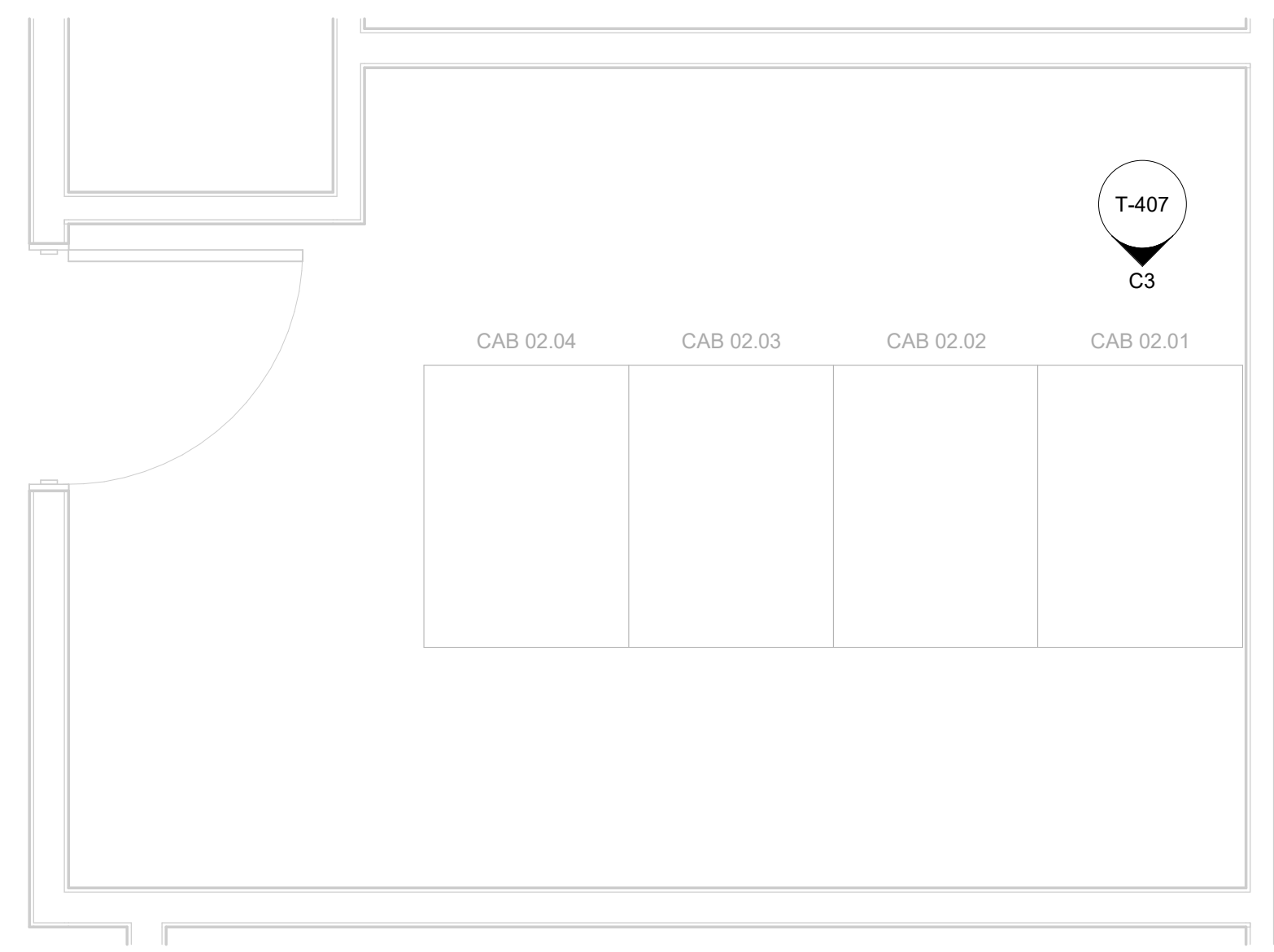
DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM



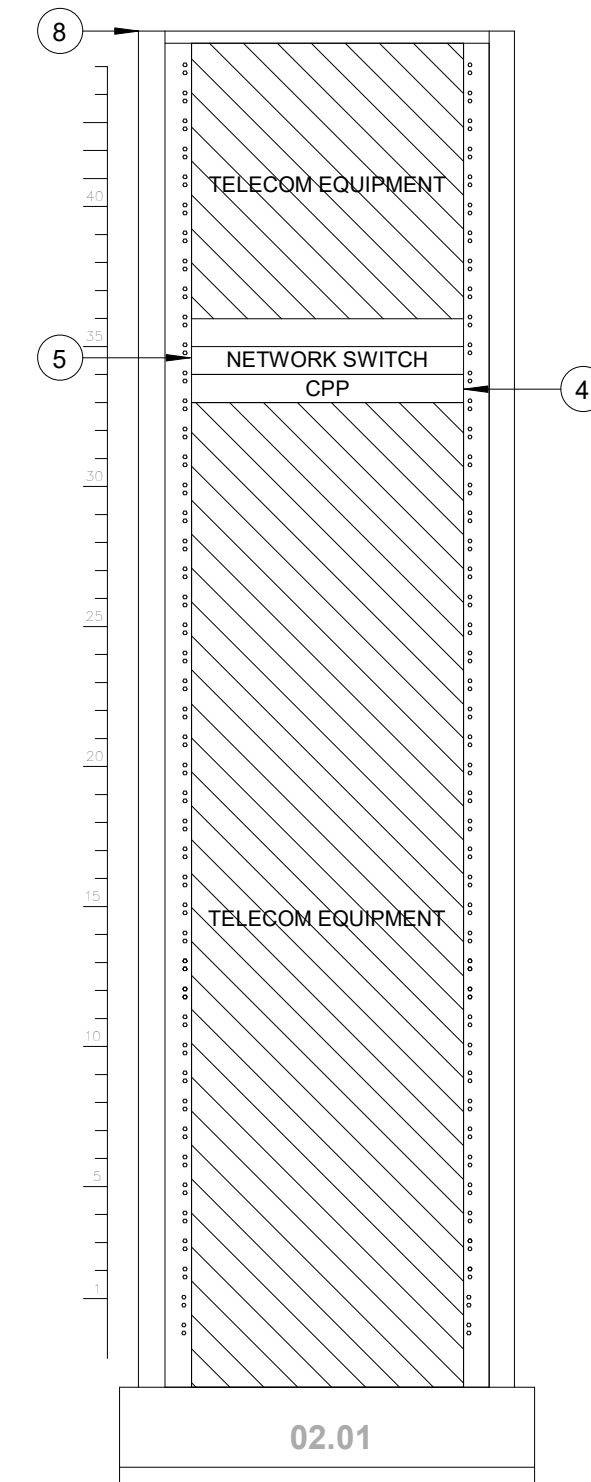
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SHEET No. T-407 SCALE: As indicated

SHEET SIZE: 30"x42" ARCH E1

**A3 ENLARGED FLOOR PLAN - LEVEL 2 - IDF A.1S**  
SCALE: 1/2" = 1'-0"

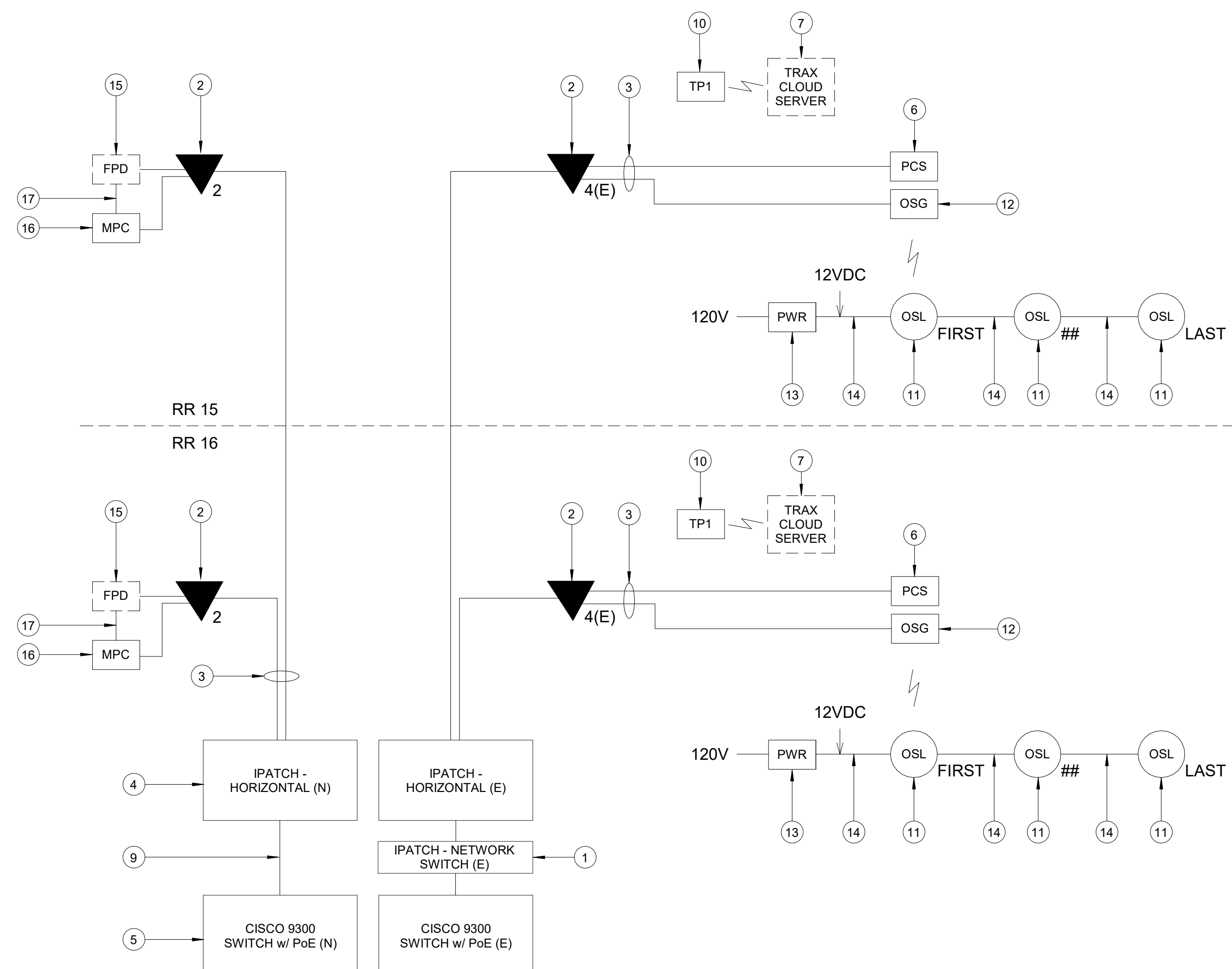
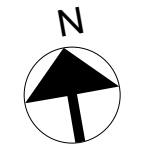


**C3 IDF A.1S - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"



KEYED NOTES

1. IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
2. CATEGORY 6 DATA RECEPTACLE.
3. CATEGORY 6 CABLES.
4. IPATCH COPPER PATCH PANEL, 24 PORT HORIZONTAL. (E)
5. CISCO 9300 NETWORK SWITCH, 24 PORT. (E)
6. PASSENGER COUNT SENSOR, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
7. TRAX CLOUD SERVER, LOCATED OFFSITE.
8. EQUIPMENT CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
9. CATEGORY 6 PATCH CORDS.
10. TABLET, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
11. BATHROOM STALL OCCUPANCY LIGHTS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. EXACT NUMBER DAISY-CHAINED NOT SHOWN, REFERENCE SHEET T-102.
12. BATHROOM STALL OCCUPANCY LIGHT GATEWAYS, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. LOCATED IN RESTROOM CLOSET RECS, REFERENCE SHEET T-102.
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14. PLENUM RATED 16 GAUGE 2 CONDUCTOR WIRE. REFERENCE SPECIFICATIONS.
15. FLAT PANEL DISPLAY, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
16. MINI COMPUTER, LATEST HAS IT ADOPTED PRODUCTS SELECTED BY TRAX. SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION.
17. HDMI CABLE.



**A1 IDF A.1S - ONE LINE DIAGRAM**  
SCALE: NTS

FILE PATH: AutodesK Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
 HAS FILE:  
 PLOT DATE:  
 OLD DOW No. :  
 DOA DWG FILE:  
 PLOT DATE:

A

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C

D

E

GENERAL NOTES

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**IAH TERMINAL A - RESTROOMS  
REFRESH**

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A. No.
B.S.G. No.	H.A.S. No.
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

REVISIONS

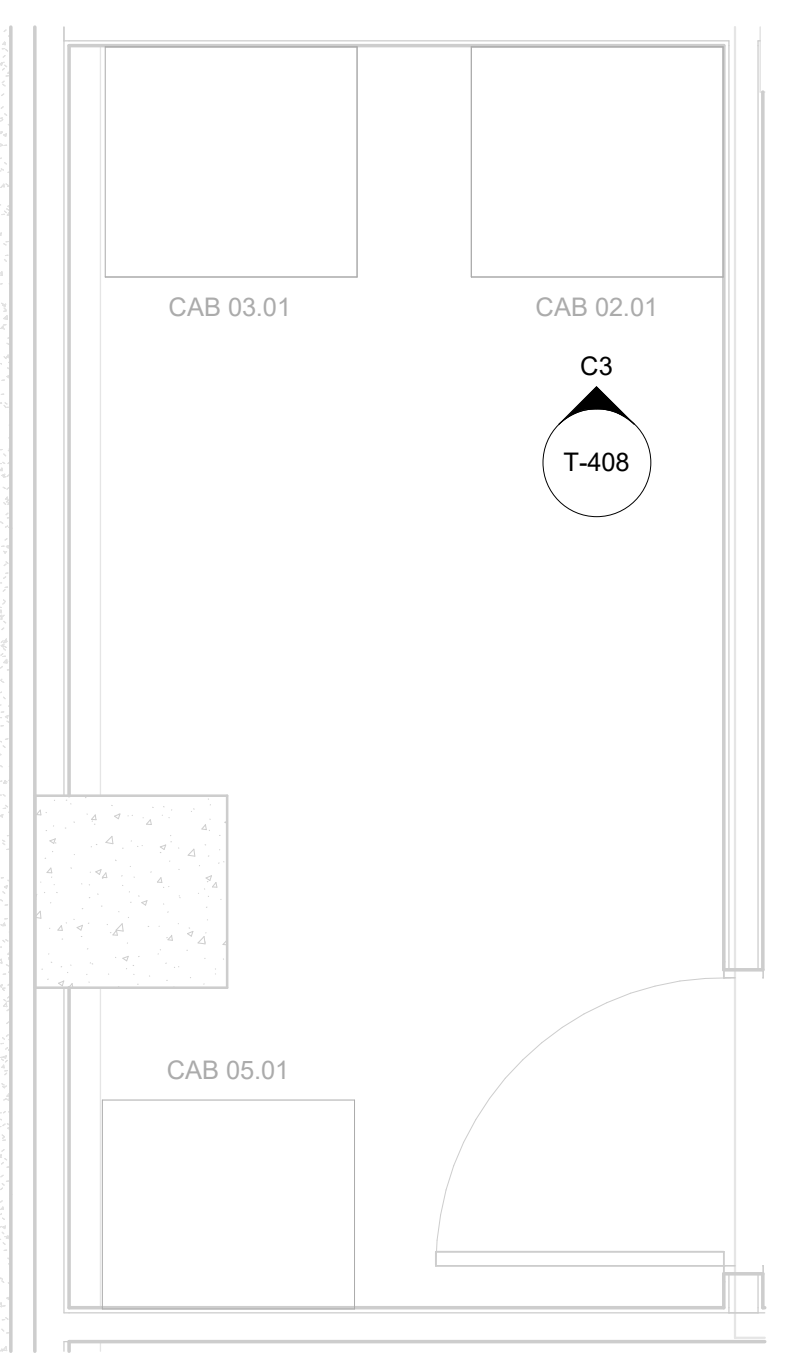
No.	DESCRIPTION	DATE	BY

DESIGN BY: **PGA**  
DRAWN BY: **AC**  
CHECKED BY: **JG**  
ISSUE DATE: **03/15/24**  
APPROVED BY: **JOHN GRUENWALD**  
APPROVAL DATE: **03/15/2024**

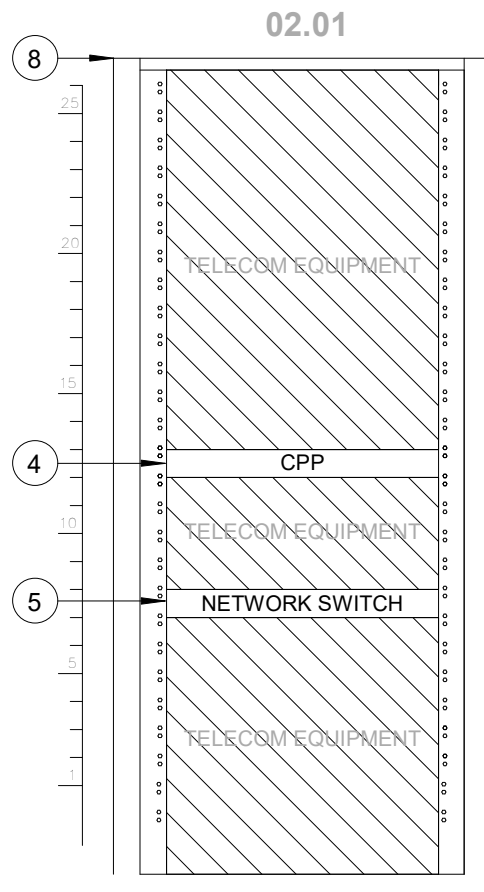
DIRECTOR  
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HOUSTON AIRPORT SYSTEM



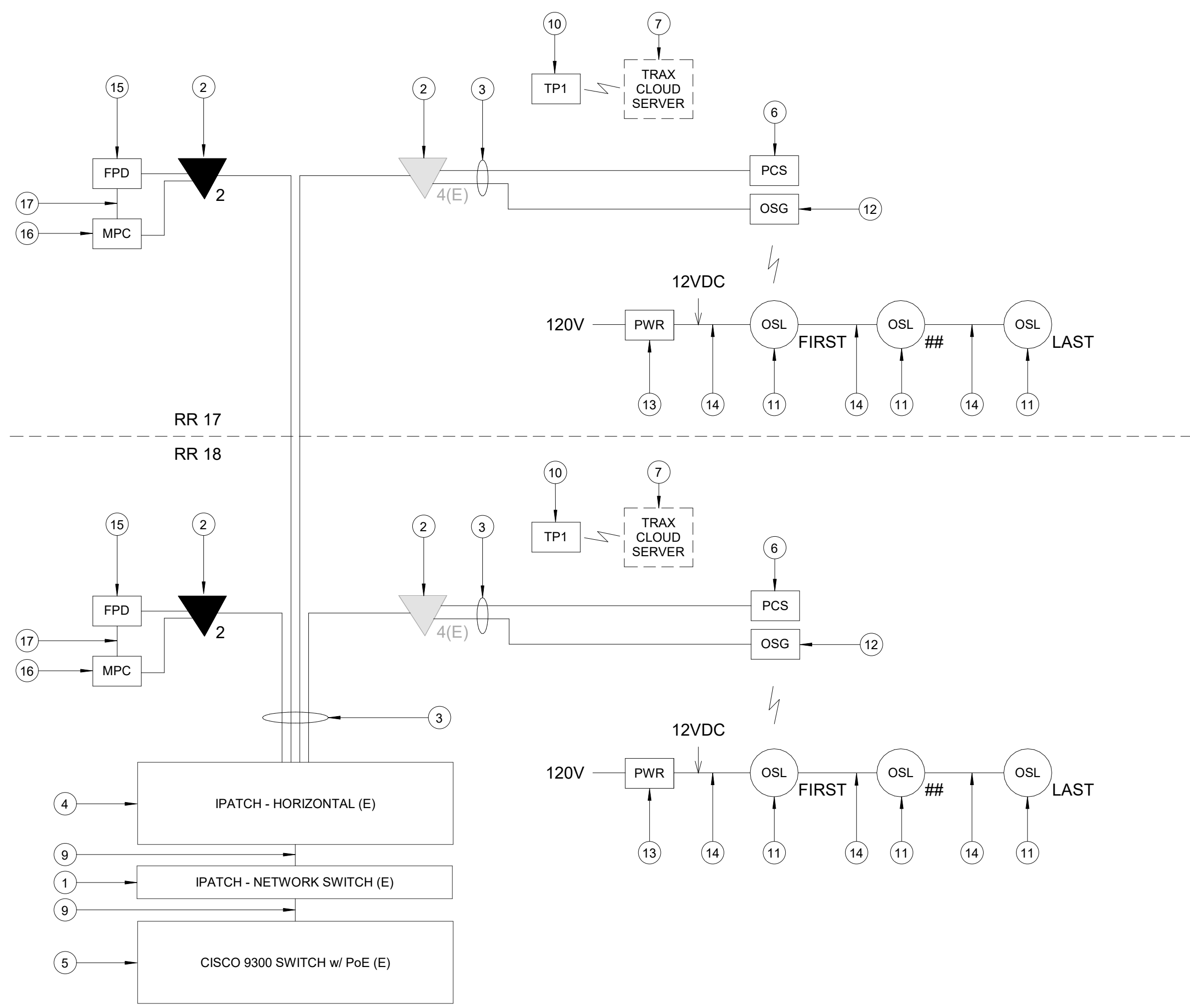
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SHEET No. T-408 SCALE: As indicated  
SHEET SIZE: 30"x42" ARCH E1



**A3 ENLARGED FLOOR PLAN - LEVEL 2 - IDF A.3S**  
SCALE: 1/2" = 1'-0"



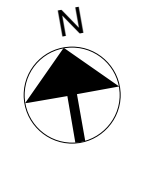
**C3 IDF A.3S - CABINET/RACK ELEVATIONS**  
SCALE: 1" = 1'-0"



**A1 IDF A.3S - ONE LINE DIAGRAM**  
SCALE: NTS

KEYED NOTES

- IPATCH COPPER PATCH PANEL, NETWORK SWITCH. (E)
- CATEGORY 6 DATA RECEPTACLE.
- CATEGORY 6 CABLES.
- IPATCH COPPER PATCH PANEL, HORIZONTAL. (E)
- CISCO 9300 NETWORK SWITCH, "TA-3S-9308-3" (E)
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- EQUIPMENT WALL CABINET (E), REFERENCE DETAIL "C3" ON THIS SHEET.
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C.O.H. No.	D.O.A. No.
B.S.G. No.	H.A.S. No.
ITRP T.I.P. No.	

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**PGA ENGINEERS, INC.**  
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DESIGNER PROJECT No.:  
PROJECT STATUS: **IFB**

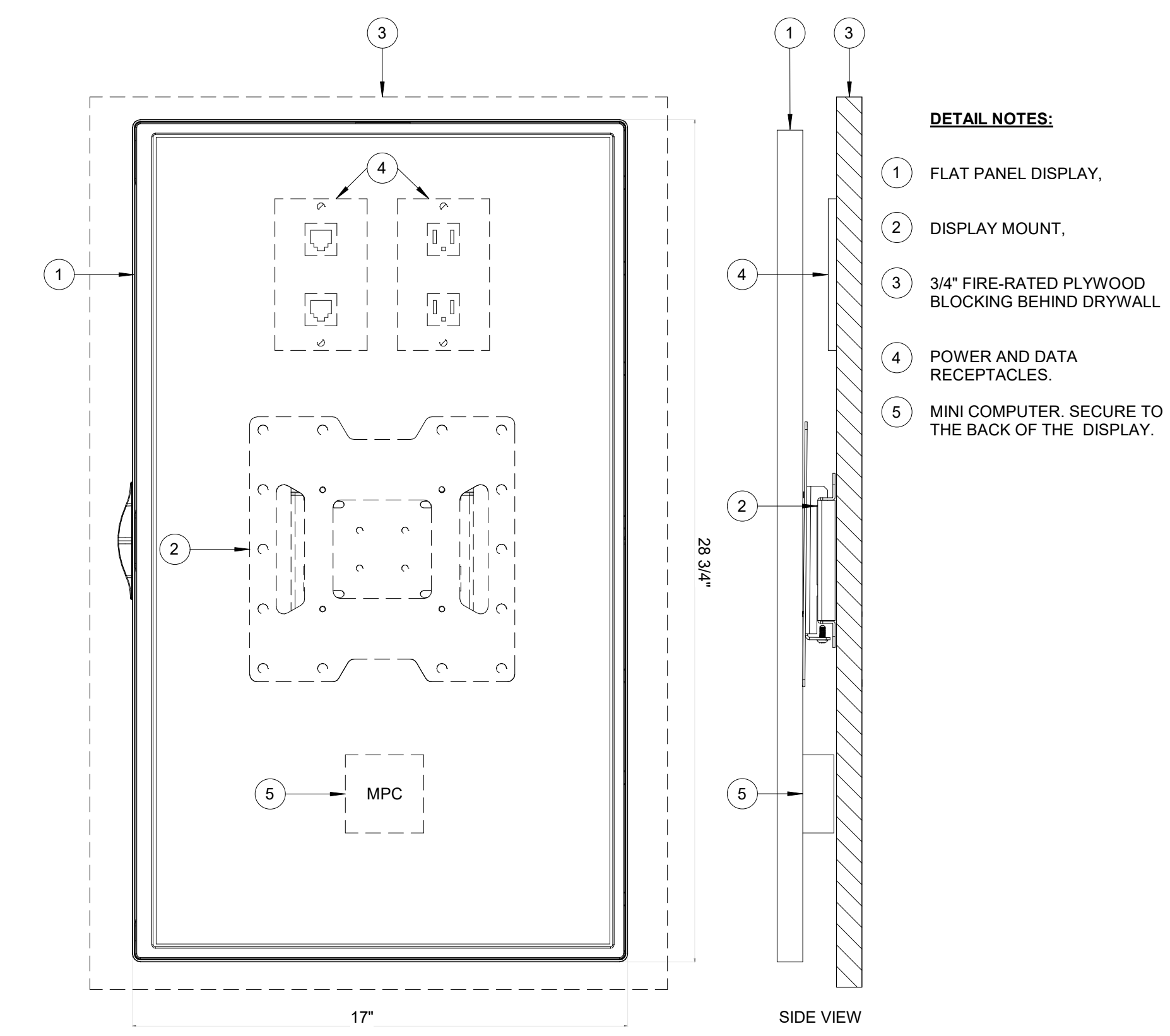
REVISIONS		
No.	DESCRIPTION	DATE BY

DESIGN BY: PGA  
DRAWN BY: AC  
CHECKED BY: JG  
ISSUE DATE: 03/15/24  
APPROVED BY: JOHN GRUENWALD  
APPROVAL DATE: 03/15/2024

DIRECTOR of HOUSTON AIRPORT SYSTEM

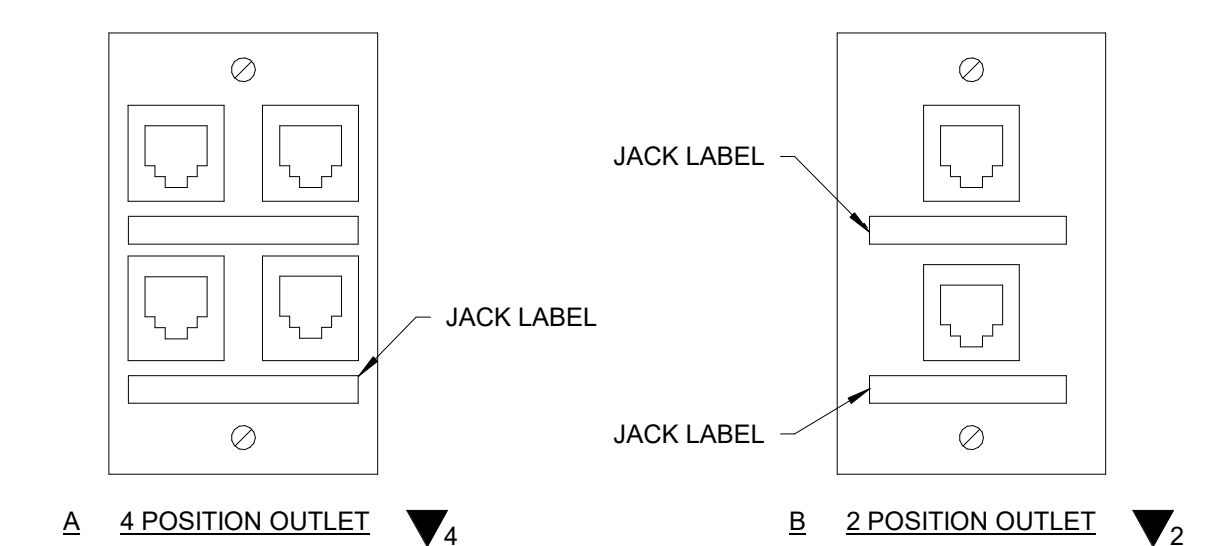
<p>IFB ISSUED FOR BIDDING</p>	
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SHEET NAME: TECHNOLOGY - EQUIPMENT DETAILS  
SHEET No. T-500 SCALE: As indicated  
SHEET SIZE: 30"x42" ARCH E1

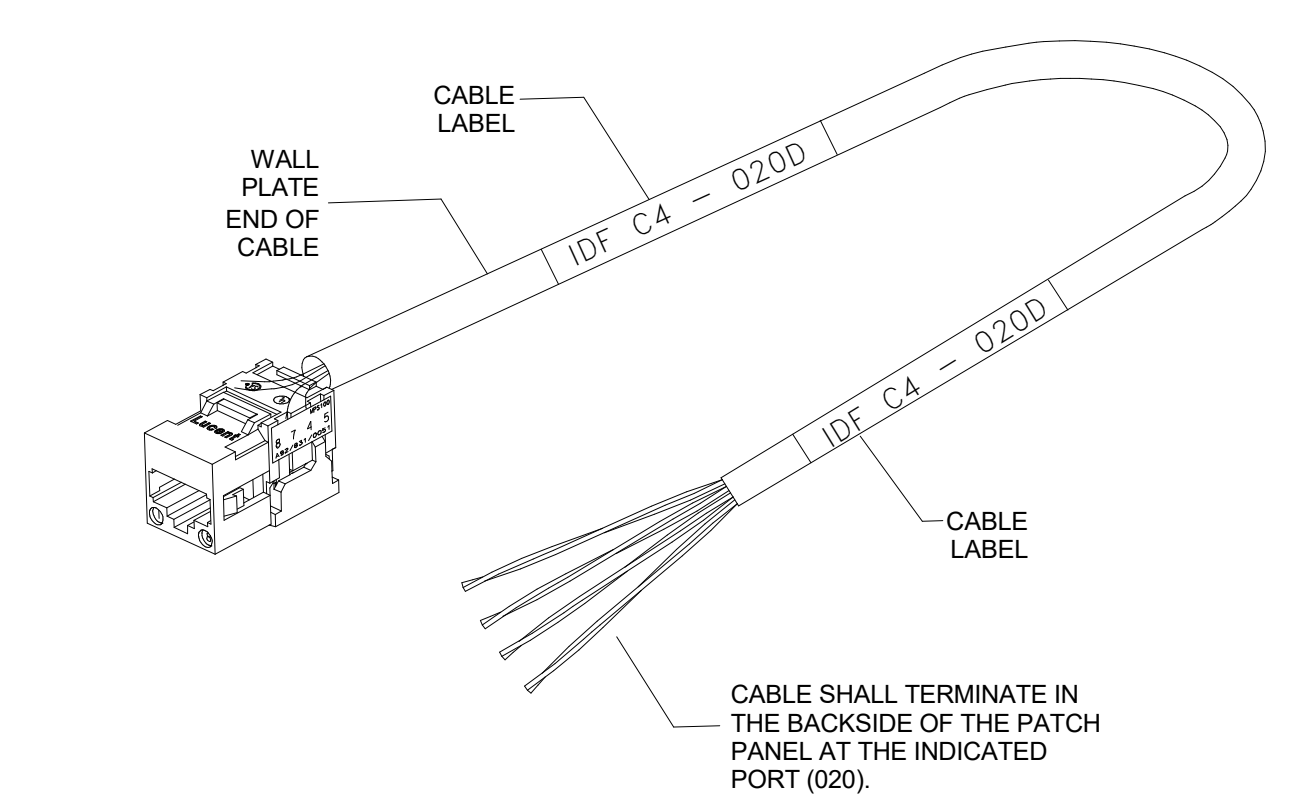


- DETAIL NOTES:**
- 1 FLAT PANEL DISPLAY.
  - 2 DISPLAY MOUNT.
  - 3 3/4" FIRE-RATED PLYWOOD BLOCKING BEHIND DRYWALL
  - 4 POWER AND DATA RECEPTACLES.
  - 5 MINI COMPUTER, SECURE TO THE BACK OF THE DISPLAY.

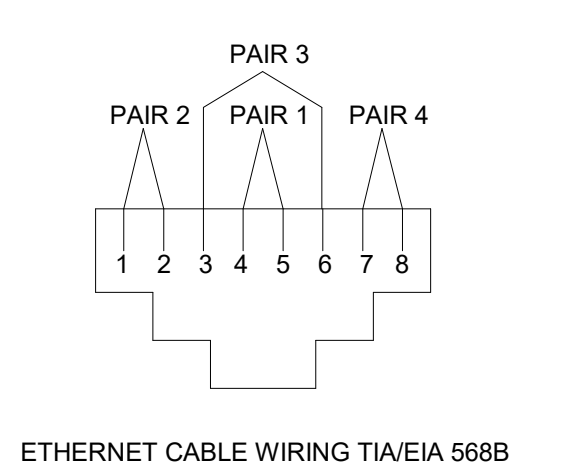
**A3 ITrip PROJECT FLAT PANEL DISPLAY WITH MOUNT**  
SCALE:NTS



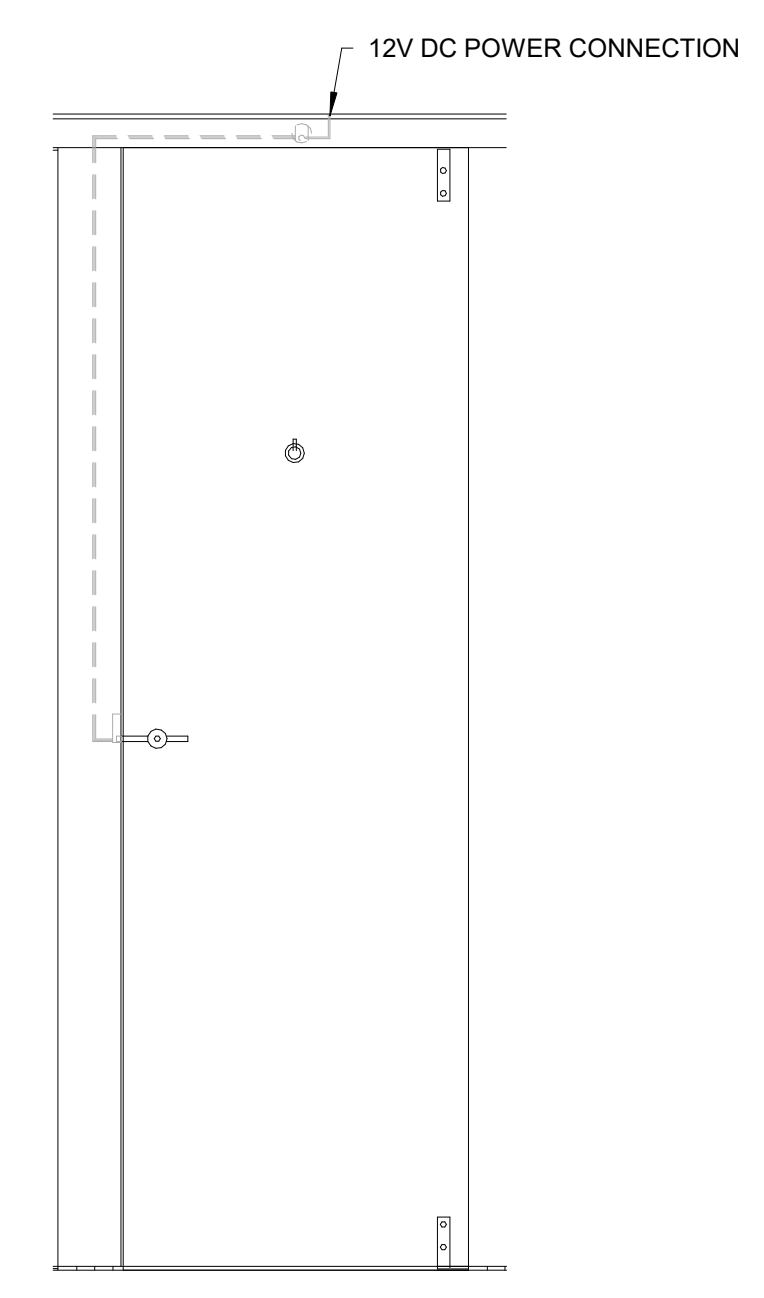
**A2 COVERPLATE DETAIL**  
SCALE:NTS



**A1 CABLE LABEL DETAIL**  
SCALE:NTS



**C1 TERMINATION DETAIL**  
SCALE:NTS



**D1 STALL SENSOR DETAIL**  
SCALE:NTS

FILE PATH: Autodesk Docs://1429.26 Terminal A RR Refresh/1429.23\_IAH T-A TERMINAL A-T\_PGA.rvt  
PLOT DATE: DOA DWG FILE: OLD DOA No.: PLOT DATE:

