

PURO GUSTO

RALEIGH-DURHAM AIRPORT 2400 JOHN BRANTLEY BLVD TERMINAL 1, SPACE# 2021S MORRISVILLE, NC 27560

<u>0150-Y MODIFICATION TO STANDARD CONSTRUCTION PROCED</u>URES

REFER TO THE MOST CURRENT EDITION OF RDUAA PROCEDURAL AND DESIGN GUIDELINES, FOR REQUIRED CONSTRUCTION PROCEDURES.

GC TO COMPLY WITH ALL APPLICABLE AND CURRENT CODES. BUILDING USE RESTRICTIONS. SECURITY ZONES AND PERIMETERS. ACCESSIBILITY REGULATIONS, HEIGHT AND LOCATION RESTRICTIONS, PARKING REGULATIONS, MATERIALS, DELIVERY ROUTES, TIME RESTRICTIONS AND OTHER BUILDING USE REQUIREMENTS OF THE TERMINAL AND THE FAA. INCLUDE REQUIREMENTS FOR COMPLIANCE BY CONTRACTORS. SUBCONTRACTORS, VENDORS AND MATERIAL SUPPLIERS IN PURCHASE ORDERS AND CONSTRUCTION AGREEMENTS.

GC TO OBTAIN ALL NECESSARY PERMITS AND CERTIFICATIONS FROM REGULATORY AGENCIES HAVING JURISDICTION, INCLUDING WAKE COUNTY BUILDING PERMIT AND OCCUPANCY PERMIT. WAKE COUNTY ENVIRONMENTAL SERVICE PERMITS. AIR AND WATER QUALITY PERMITS. AND OTHERS

EXISTING UTILITIES SERVING OR OTHERWISE AFFECTING AIRPORT FACILITIES MAY NOT BE INTERRUPTED AT ANY TIME WITHOUT OBTAINING SPECIFIC PERMISSION FROM RDUAA FOR EACH INTERRUPTION. WHEN UTILITIES MUST BE INTERRUPTED. PROVIDE ALTERNATIVE SERVICES FOR AFFECTED FACILITIES, WHEN REQUESTED BY RDUAA.

AIRPORT OPERATIONS AND SECURITY FACILITIES MAY NOT BE INTERRUPTED AT ANY TIME WITHOUT OBTAINING SPECIFIC PERMISSION FROM RDUAA FOR EACH INTERRUPTION. WHEN OPERATIONS MUST BE INTERRUPTED, PROVIDE NOT LESS THAN 10 DAYS NOTICE, INCLUDING JUSTIFICATION FOR INTERRUPTION AND DESCRIPTION OF AFFECTED FACILITIES. RDUAA MUST APPROVE IN WRITING ANY INTERRUPTION IN SERVICES 5 CALENDAR DAYS PRIOR TO TENANT PROCEEDING WITH WORK.

ANY PLUMBING THAT ENTERS OR CROSSES AN ELECTRIC ROOM, TELECOMMUNICATIONS (SSR) ROOM, OR BAGGAGE HANDLING SYSTEM, MUST HAVE A GALVANIZED 22 GAUGE SHEET METAL DRAIN PAN UNDER THE PIPING INSIDE THESE ROOMS. THE PAN NEEDS TO EXTEND A MINIMUM OF 1" BEYOND THE OUTSIDE DIAMETER OF THE PIPING AND SHALL CONTAIN A 3/4" DRAIN FROM THE DRAIN PAN TO THE NEAREST FLOOR DRAIN, SEALED WATERTIGHT. IN ADDITION. A WATER SENSOR IS TO BE INSTALLED BY SIEMENS TO TIE INTO THE RDU BMS. SO THAT IT CAN BE MONITORED. ANY FIRE SPRINKLER WORK IS TO BE COORDINATED WITH RDU MAINTENANCE PRIOR TO THE START OF THE WORK. IN ADDITION, THROUGH SIEMENS, THE GENERAL CONTRACTOR IS TO PROVIDE A TECHNICIAN WHO IS CERTIFIED TO PROVIDE FIRE WATCH AT THE PANEL, DURING ANYTIME THE SYSTEM HAS TO BE TAKEN DOWN, OR PUT INTO TEST MODE FOR SPRINKLER WORK TO BE COMPLETED. THE GENERAL CONTRACTOR IS TO PROVIDE A MINIMUM OF (1) WEEK NOTICE PRIOR TO SCHEDULING THE AFOREMENTIONED WORK WITH RDU MAINTENANCE AND FACILITIES ASSET MANAGEMENT TEAM.

WORK AREAS MUST BE SEPARATED FROM PUBLIC AREAS BY A TEMPORARY PARTITION IN ORDER TO PROTECT PASSENGERS AND OTHER OCCUPANTS FROM CONSTRUCTION ACTIVITY. SEE SECTION 3.10 FOR DETAILED REQUIREMENTS OF THE TEMPORARY PARTITION.

WHERE WORK INCLUDES THE USE OF VEHICLES, PROTECT OTHER VEHICULAR TRAFFIC FROM CONSTRUCTION-RELATED VEHICLES. OBTAIN ADVANCE APPROVAL FROM RDUAA BEFORE ALLOWING ANY CONSTRUCTION VEHICLES TO PARK OR STAND ANYWHERE ON RDUAA PROPERTY. THE LOCATION, TIME, AND TRAVEL PATH WITHIN THE TERMINAL MUST BE COORDINATED AND APPROVED WITH RDUAA PRIOR TO ANY DELIVERY. RDUAA MAY REQUIRE CONSTRUCTION AND EQUIPMENT DELIVERIES TO OCCUR DURING OFF-PEAK HOURS AND THAT THE DELIVERY ROUTE AVOID PUBLIC SPACES.

EXISTING BUILDING FEATURES, INCLUDING FLOORS AND WALLS, FINISHES, CEILINGS, SIGNS AND OTHER FEATURES. MUST BE PROTECTED FROM CONSTRUCTION OPERATIONS AREAS BY SUBSTANTIAL COVERINGS AND BARRICADES, OR OTHER PROTECTIVE DEVICES, AS APPLICABLE

ALL CONTRACTOR STAGING AND PARKING MUST BE PROVIDED IN APPROVED LOCATIONS AT THE PROJECT SITE. THERE WILL BE A MINIMUM AMOUNT OF PARKING AVAILABLE. IF THERE IS INSUFFICIENT SPACE ON-SITE, THE TENANT SHALL PROVIDE ADDITIONAL SECURE OFF-SITE STORAGE AND PARKING AREAS. THE TENANT IS REQUIRED TO SUBMIT A STAGING AND PARKING PLAN TO RDUAA FOR APPROVAL. RDUAA MUST APPROVE THE STAGING AND PARKING PLAN PRIOR TO THE TENANT BEGINNING ANY WORK.

ACCESS TO TENANT & ALLOWABLE WORKING TIMES ACCESS TO TENANT THROUGH PUBLIC/COMMON AREAS IS ALLOWED ALL HOURS OF THE DAY.RDUAA MAY LIMIT THE ACCESS TO THE TENANT SPACES FOR DELIVERIES DURING HOURS OF OPERATION - TO AVOID PUBLIC SPACES AND TO AVOID POTENTIAL IMPACTS TO RDUAA OPERATIONS. THE WORK AREA MAY BE LOCATED WITHIN AN ACTIVE RDUAA SECURITY AREA, WHICH IS RESTRICTED TO BADGED EMPLOYEES. REFERENCE SECTION 3.13, 3.14 AND 3.15 FOR INFORMATION REGARDING SECURITY AND BADGING.

WORK MAY TAKE PLACE FROM 11:00 P.M. THROUGH 3 A.M.. WORK DONE AT OTHER TIMES MUST BE ACCEPTED BY RDUAA. REVISED OR EXTENDED WORKING TIMES MAY BE ACCEPTABLE FOR WORK AREAS THAT ARE COMPLETELY ENCLOSED AND ISOLATED FROM PUBLIC AREAS. PARTICULARLY NOISY OR DUSTY OPERATIONS MAY BE LIMITED TO SPECIFIC TIMES.

MATERIAL AND EQUIPMENT DELIVERIES SHALL BE MADE TO EXISTING OVERHEAD DOOR ON SECOND LEVEL. THIS DOOR IS ACCESSED THROUGH GATE 55 AND IS LOCATED ON THE SOUTH SIDE OF THE CONCOURSE NEAR COLUMN LINE 52 WHICH IS APPROXIMATELY 425 FEET EAST OF THE WORK LOCATION. COORDINATE DELIVERIES WITH AIRPORT.

TEMPORARY PARTITIONS AND SIGNAGE

IN TENANT SPACES UPFIT AFTER THE COMPLETION OF BASE BUILDING CONSTRUCTION, ALL CONSTRUCTION AREAS MUST BE SEPARATED FROM PUBLIC SPACES BY SUBSTANTIAL NON-COMBUSTIBLE TEMPORARY PARTITIONS (LEVEL 3 FINISH) COMPLYING WITH APPLICABLE CODES AND REGULATIONS.THE TEMPORARY PARTITION SHALL CLOSE THE CONCESSION SPACE ENTIRELY AND MUST KEEP DUST, DEBRIS AND NOISE CONTAINED WITHIN THE SPACE AND OUT OF THE CONCOURSE OR PUBLIC SPACES. THE TEMPORARY PARTITION CAN EXTEND INTO THE TERMINAL SPACES UP TO 3'-0" FROM THE LEASE LINE TO ALLOW TENANTS TO FINISH THE FLOORING AND CEILING TRANSITIONS. THE TEMPORARY PARTITION CAN NOT BE MECHANICALLY FASTENED TO THE TERMINAL FLOOR OR WALLS OR DAMAGE THE TERMINAL'S CEILING FINISHES. THE TEMPORARY PARTITION SHOULD HAVE THE PROPER STRUCTURAL SUPPORT THAT CAN BE FASTENED BACK TO STRUCTURE WITHIN THE CONCESSION SPACE. THESE TEMPORARY PARTITIONS ARE NOT REQUIRED FOR TENANTS WHOSE SPACES ARE UPFIT DURING BASE BUILDING CONSTRUCTION OF

WHERE TEMPORARY PARTITIONS SEPARATE WORK AREAS FROM PUBLIC/COMMON AREAS, PROVIDE NEAT DURABLE TAPED, SANDED AND PAINTED FINISHES ON PUBLIC SIDE OF THE WALL INCLUDING NAME, LOGO AND OTHER APPROVED GRAPHICS IDENTIFYING THE STORE UNDER CONSTRUCTION, AND AN ADDITIONAL MESSAGE AND LOGO TO BE FURNISHED BY RDUAA IDENTIFYING THE RDUAA COMMERCIAL DEVELOPMENT PROGRAM. COMPLY WITH WALL PAPER GRAPHICS STANDARD PROVIDED BY RDUAA REPRESENTATIVE. THE TENANT IS RESPONSIBLE FOR INSTALLING A GRAPHICS PACKAGE AS PART OF CONSTRUCTION AND WALL FABRICATION.

THE STANDARD COLOR OF ALL TEMPORARY PARTITIONS SHALL MATCH THE GENERAL PAINT COLOR P-1A, PITTSBURGH PAINTS, SCOTCH MIST 510-3. ALL OTHER COLORS, TEXTURES, PATTERNS, ARRANGEMENTS OTHER ELEMENTS ASSOCIATED WITH THE TEMPORARY WALL ARE SUBJECT TO REVIEW AND ACCEPTANCE BY RDUAA.

EACH DOOR IN TEMPORARY PARTITIONS MUST HAVE AN AUTOMATIC CLOSER. A LOCKING MECHANISM MUST BE PROVIDED FOR EACH DOOR WITH BEST COMPATIBLE HARDWARE. EACH UNIT MUST HAVE A TRACK OFF MAT LOCATED INSIDE THE UNIT THAT SHALL BE CLEANED AS NEEDED TOREDUCE DEBRIS OUTSIDE THE UNIT. THE FLOOR OUTSIDE THE UNIT MUST BE CLEANED DAILY AT A MINIMUM TO REMOVE CONSTRUCTION DUST AND DEBRIS.PARTITIONS MUST OBSTRUCT PASSAGE INTO PUBLIC/COMMON AREAS OF ALL NOISE, DUST ODORS, OR OTHER SUCH BY-PRODUCTS

OF THE CONSTRUCTION WORK IF A SPACE WAS NOT UPFIT DURING THE INITIAL CONSTRUCTION OF TERMINAL 1, A BASE BUILDING TEMPORARY PARTITION WILL BE IN PLACE, SEPERATING THE SHELL SPACE FROM THE COMPLETED TERMINAL. THESE PARTITIONS WILL BE BUILT UP TO THE BASE BUILDING GWB SOFFIT, AND IN LINE WITH THE TENANT LEASE LINE. THESE PARTITIONS ARE SHOWN ON ALL LEASE LINE PLANS AND RCP'S IN SECTION 4.11, AND IN SOME DETAILS IN SECTION 3.15, HOWEVER THEY WILL ONLY BE PRESENT IN SPACES NOT UPFIT DURING THE INITIAL BASE BUILDING CONSTRUCTION. THE FIRST TENANT WHO UPFITS THE SPACE IS RESPONSIBLE FOR DEMOLISHING THE PARTITION AND TEMPORARY DOOR BEFORE BEGINNING CONSTRUCTION OF THEIR SPACE.

COLLECT AND REMOVE ALL CONSTRUCTION WASTE AND EXCESS MATERIALS DAILY AND LEGALLY DISPOSE OF AWAY FROM AIRPORT PROPERTY. BURNING AT THE SITE IS NOT PERMITTED AT ANYTIME. THE USE OF RDUAA DUMPSTERS OR TRASH REMOVAL SERVICES IS PROHIBITED.

THE TENANT IS RESPONSIBLE FOR ANY OCCUPANCY INSPECTIONS AND CERTIFICATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION. THE TENANT SHALL COMPLETE ALL RDUAA PUNCHLIST ITEMS. THE TENANT MUST PROVIDE THREE (3) HARDCOPIES OF AS-BUILD DRAWINGS, AS WELL AS ALL REQUIRED DIGITAL AND PDF VERSIONS (SEE SECTION 2.3.1) TO RDUAA AS WELL AS CONTACT INFORMATION FOR ALL WARRANTIES ON THE PROJECT. THE TENANT MUST ALSO PROVIDE A WRITTEN STATEMENT, SIGNED BY THE ARCHITECT OF RECORD, ALL CONSULTING ENGINEERS, AND THE GENERAL CONTRACTOR, STATING THAT THE CONSTRUCTION OF THAT TENANT'S SPACE IS IN FULL COMPLIANCE WITH THIS DOCUMENT AND WITH ALL OTHER REQUIREMENTS OF THE RDUAA THAT HAVE BEEN PROVIDED TO THEM.

IN ADDITION, THE TENANT MUST PROVIDE A WRITTEN STATEMENT, SIGNED BY THE ARCHITECT OF RECORD AND CONSULTING ENGINEERS, OUTLINING WHICH SECTIONS OF THE LEED STANDARDS PROGRAM (SEE SECTION 3.16) WERE ACHIEVED, AND GIVING A REFERENCE IN THE AS-BUILT DOCUMENTS TO VERIFY ACHIEVEMENT OF THE SECTION. IF LEED CERTIFICATION FOR THE TENANT SPACE IS BEING PURSUED, DOCUMENTATION OF SUCH SHOULD ALSO BE PROVIDED.

WORKER BADGING

ANY PERSON EMPLOYED BY THE TENANT, INCLUDING CONSULTANTS AND SUBCONTRACTORS, WILL BE REQUIRED TO PRESENT POSITIVE IDENTIFICATION BEFORE ENTERING ANY RESTRICTED AREA OF THE AIRPORT OR BE EXCORTED BY A PROPERLY BADGED PERSON. RESTRICTED AREAS OF THE AIRPORT ARE ANY AREAS POST TSA SECURITY CHECKPOINT OR ACCESS CONTROL DEVICE. POSITIVE IDENTIFICATION SHALL BE IN THE FORM OF A SECURITY BADGE ISSUED BY RDUAA.

TO OBTAIN A SECURITY BADGE. THE REQUESTOR SHALL SUBMIT TO AN FBI FINGERPRINT-BASED CRIMINAL HISTORY RECORDS CHECK (CHRC) AND SUBMIT A COMPLETED AND SIGNED RDUAA SECURITY AUTHORIZATION BADGE APPLICATION TO THE OWNER'S SECURITY ID BADGE OFFICE. A "SECURITY AUTHORIZATION BADGE APPLICATION" MUST BE OBTAINED FROM THE SECURITY ADMINISTRATOR'S OFFICE BADGE APPLICATIONS AND APPLICABLE FEES/DEPOSITS MUST BE SUBMITTED TO THE OWNER'S SECURITY SYSTEMS ADMINISTRATOR AT LEAST FOUR (4) BUSINESS DAYS PRIOR TO THE APPLICANT ATTENDING A SECURITY TRAINING CLASS. COORDINATE ALL TRAINING REQUIREMENTS AND THE ASSOCIATED FEES WITH THE RDUAA OWNER'S REPRESENTATIVE.

SECURITY

IF THE TENANT REQUIRES ACCESS TO A ROOM THAT MUST BE LOCKED FOR SECURITY REASONS, THE TENANT MAY REQUEST A KEY TO THE ROOM. THE TENANT SHALL APPLY TO THE RDUAA'S SECURITY ADMINISTRATOR TO REQUEST A KEY TO THESE ROOMS. RDUAA RESERVES THE RIGHT TO ISSUE OR NOT TO ISSUE A SECURITY KEY. A "KEY REQUEST FORM" MAY BE OBTAINED FROM THE SECURITY ADMINISTRATOR'S OFFICE. WHERE INGRESS AND EGRESS THROUGH A SECURITY GATE IS AUTHORIZED BY THE RDUAA SECURITY SYSTEMS ADMINISTRATOR. THE TENANT IS REQUIRED TO MAINTAIN RDUAA'S SECURITY PROGRAM AT ALL TIMES. THE GATE MUST NEVER BE UNATTENDED WHILE LEFT OPEN AND MUST IMMEDIATELY BE LOCKED AFTER COMPLETION OF EACH INGRESS / EGRESS OPERATION.

REQUIRED METHODS OF INTERFACING WITH BASE BUILDING ELEMENTS. IN ALL CASES, TENANTS SHALL NOT MECHANICALLY FASTEN INTO THE BASE BUILDING FINISHES OR IN ANY WAY PERMENANTLY ALTER BASE BUILDING FINISHES UNLESS OTHERWISE NOTED. TENANT FINISHES SHOULD BE SEPARATED FROM BASE BUILDING FINISHES WITH A CAULK JOINT. ALSO NOTE, BASE BUILDING TEMPORARY PARTITIONS ARE SHOWN IN MANY OF THE TYPICAL DETAILS. THESE PARITIONS MAY NOT BE IN PLACE FOR TENANTS UPFITTING SPACES DURING THE INITIAL BASE BUILDING CONSTRUCTION. TENANTS WHO ARE NOT THE INITIAL TENANT IN A SPACE MAY FIND PRIOR TENANTS' WALLS IN THOSE LOCATIONS. VERIFY ALL FIELD CONDITIONS PRIOR TO BEGINNING DESIGN.

- RDUAA DOOR/ HARDWARE SPECIFIC INFORMATION IS TO BE INCLUDED IN THE SET. ALL DOORS SHOULD BE PLACARD PER THE PLANS AS WE ASSIGN LOCK AND KEY CORES TO DOORS AND NOT SPACES EXCLUDING
- STOREFRONT CONCESSION SPACES.) 2. CONTRACTOR IS RESPONSIBLE FOR PURCHASING CORES (BEST – 7 BARREL INTERCHANGEABLE CORES ON THE KEYWAY

SPECIFIED BY RDUAA)

LOCKSETS SHOULD BE STANLEY BEST ACCESS BRAND IF THE TENANT WISHES REPAIR SUPPORT. RDUAA DOES NOT SUPPORT REPAIR OR REPLACEMENT OF OTHER BRANDS OF LOCKSETS OR OTHER HARDWARE USED TO SECURE A SPACE.

- TENANT MUST SEAL ALL FLOOR PENETRATIONS WITHIN THE DEMISED PREMISES FOR FIRE-STOPPING IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS AND TO ELIMINATE THE POSSIBILITY OF LIQUIDS LEAKING INTO THE SPACES BELOW. ALL FLOOR PENETRATIONS MUST USE X-RAY TO LOCATE SLAB UTILITIES PRIOR TO MAKING ANY FLOOR PENETRATIONS. ALL FLOOR PENETRATIONS MUST BE APPROVED BY RDUAA. OPENINGS AND PENETRATIONS IN FLOOR ASSEMBLIES SHALL BE SEALED WITH PENETRATION SEALANT SYSTEMS MEETING OR EXCEEDING THE REQUIRED FIRE RESISTIVE RATINGS. 1.1 SEE UL PENETRATION DETAILS C-AJ-1001, C-AJ-5001 AND C-AJ-5002 BASED ON 3M PRODUCTS ON SHEET GN6. REFER TO TENANT DESIGN STANDARDS FOR LABELING PENETRATIONS.
- IN THE EVENT OF PENETRATION, ANY PENETRATION OVER 4" IN DIAMETER OR LENGTH MUST BE REVIEWED AND APPROVED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF NORTH CAROLINA.
- IN THE EVENT OF SAW CUTTING, PRIOR TO ANY SAW CUTTING, CORE DRILLING OR ANY SLAB PENETRATION WORK, GENERAL CONTRACTOR IS TO X-RAY THE FLOOR WHERE PENETRATIONS ARE TO OCCUR. ONCE X-RAY IS COMPLETE, SUMMARY OF FINDINGS AND X-RAYS ARE TO BE SUBMITTED TO RDUAA FOR REVIEW AND APPROVAL, PRIOR TO PENETRATING THE FLOOR.
- 4. WHERE FLOOR PENETRATIONS OCCUR, THE GENERAL CONTRACTOR IS TO ENSURE THAT THOROUGH FIELD INVESTIGATIONS OCCUR WHERE THE PENETRATIONS ARE TO BE LOCATED, PRIOR TO CUTTING ANY OPENINGS. X-RAY/GPR SCANNING AND REPORT IS REQUIRED, AND APPROVAL OF SUBMITTED DOCUMENTS FROM RDU AUTHORITY PRIOR TO ANY SAWCUTTING, SOME OF THE FLOOR PENETRATIONS MAY OCCUR OVER THE EXISTING BAGGAGE HANDLING SYSTEM JUST BENEATH THE FLOOR. IF THE GENERAL CONTRACTOR HAS ANY CONCERNS ABOUT THE LOCATION OF THE PENETRATIONS. AND BEING ABLE TO ACCESS THEM. THE GENERAL CONTRACTOR MUST IMMEDIATELY BRING THIS TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD, AND THE RDU PROJECT MANAGER ASSOCIATED WITH THE PROJECT. NO PENETRATIONS IN THE FLOOR ARE TO BE CUT, IF THERE ARE ANY CONCERNS ABOUT CONFLICT WITH THE EXISTING BAGGAGE HANDLING SYSTEM. ANY DAMAGE TO THE EXISTING BAGGAGE HANDLING SYSTEM THAT OCCURS AS A RESULT OF THE WORK WITHIN THIS PROJECT, WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR PERFORMING THE AFOREMENTIONED WORK TO REPAIR.
- 5. IN ADDITION TO X-RAY OF EXISTING SLAB. ANY WORK THAT IMPACTS EXISTING MECHANICAL ROOM BELOW TENANT SPACE IS TO BE COORDINATED WITH EXISTING CONDITIONS TO ENSURE THERE IS NO CONFLICT, INCLUDING BUT NOT LIMITED TO ANY NEW CONDUIT

GENERAL CONTRACTOR SHALL NOTIFY RDU MINIMUM 72 HOURS PRIOR TO ANY SHUTDOWN OF EXISTING EQUIPMENT TO MAKE CONNECTION TO EXISTING WATER SOURCES OR ELECTRICAL SOURCES. RDU HAS DESIGNATED CONTRACTORS FOR THE FOLLOWING

919-612-3741

704-857-11.5

SIEMENS BUILDING TECHNOLOGIES, INC. 215 SOUTHPORT DR. SUITE 900 MORRISVILLE, NC 27560 919-612-3741

TEMPERATURE CONTROL/BUILDING MANAGEMENT SYSTEM SIEMENS BUILDING TECHNOLOGIES, INC. 215 SOUTHPORT DR. SUITE900 MORRISVILLE, NC 27560

FIRE PROTECTION SYSTEM KANNOPOLIS SPRINKLER COMPANY, INC. 913 SPRINKLER DR. LANDIS, NC 28088

CONTACT: BRAD VON CANNON

GENERAL CONTRACTOR SHALL CONTACT THE COMPANIES ABOVE FOR ALL WORK RELATED TO THE LISTED SYSTEMS. GENERAL CONTRACTOR SHALL PROVIDE NOTICE OF IMPACT FOR MILLWORK AND DELIVERIES. COORDINATE WITH RDUAA.

RDUAA CONCESSIONS & BUILDING SYSTEMS GENERAL NOTES

1. NOTICE FOR INTERRUPTION OF OPERATIONS INDICATED TO BE REQUESTED WITH NOT LESS THAN 10 DAYS NOTICE. LEVEL OF INTERRUPTION MY VARY, DEPENDANT OF SCOPE. 2. IF BASE BUILDING FINISHES ARE PART OF WHAT IS TO BE REMOVED, VERIFY WITH RDUAA WHETHER MATERIAL IS TO BE STORED FOR FUTURE USE. THIS IS TO INCLUDE GRANITE PANELS, STAINLESS STEEL SOFFITS, AND OTHER MATERIALS THAT MAY BE PART

OF REMOVAL

3. FIRE ALARM SYSTEM TO BE TESTED BY SIEMENS. 4. ANY FIRE SPRINKLER WORK IS TO BE COORDINATED WITH RDU MAINTENANCE PRIOR TO THE START OF THE WORK. IN ADDITION, THROUGH SIEMENS, THE GENERAL CONTRACTOR IS TO PROVIDE A TECHNICIAN WHO IS CERTIFIED TO PROVIDE FIRE WATCH AT THE PANEL, DURING ANYTIME THE SYSTEM HAS TO BE TAKEN DOWN, OR PUT INTO TEST MODE FOR SPRINKLER WORK TO BE COMPLETED. THE GENERAL CONTRACTOR IS TO PROVIDE A MINIMUM OF (1) WEEK NOTICE PRIOR TO SCHEDULING THE AFOREMENTIONED WORK WITH RDU MAINTENANCE AND FACILITIES ASSET MANAGEMENT TEAM.

5. ALLOWABLE TIME TO WORK IS FROM 11:00 PM - 3:00 AM. 6. ANY PLUMBING THAT ENTERS OR CROSSES AN ELECTRIC ROOM, TELECOMMUNICATIONS (SSR) ROOM, OR BAGGAGE HANDLING SYSTEM, MUST HAVE A GALVANIZED 22 GAUGE SHEET METAL DRAIN PAN UNDER THE PIPING INSIDE THESE ROOMS. THE PAN NEEDS TO EXTEND A MINIMUM OF 1" BEYOND THE OUTSIDE DIAMETER OF THE PIPING AND SHALL CONTAIN A 3/4" DRAIN FROM THE DRAIN PAN TO THE NEAREST FLOOR DRAIN, SEALED WATERTIGHT. IN ADDITION, A WATER SENSOR IS TO BE INSTALLED BY SIEMENS TO TIE INTO THE RDU BMS, SO THAT IT CAN BE MONITORED.

1. THE CONSTRUCTION SHELL SPACE SHOULD NOT HAVE ANY GAPS THAT WOULD ALLOW SOMEONE TO ENTER THE WORK AREA. 2. THE DOORS SHOULD HAVE CLOSERS.

3. THE DOORS SHOULD BE EQUIPPED WITH SELF-LOCKING LOCKSETS.

4. CONTRACTOR WORKING IN THESE AREAS SHALL BE REQUIRED TO ENSURE THAT THE DOORS ARE SECURED AT ALL TIMES. 5. NO ONE IS ALLOWED TO PROP OPEN, OR INSERT ANYTHING INTO THE DOOR JAMB THAT WOULD PREVENT THE DOOR FROM LOCKING. 6. RDUAA WILL ISSUE CONTRACTOR CORES/KEYS TO THESE SPACES SO THAT RDUAA PERSONNEL CAN MONITOR, AND ENFORCE AS REQUIRED. SEE RDUAA DOOR / HARDWARE INFORMATION ON DEMOLITION SHEET.

PROJECT RENDERING



RENDERINGS MAY INCLUDE DETAILS THAT VARY FROM FINAL DESIGN. CONSULT ARCHITECTURAL DRAWINGS FOR UPDATED INFORMATION.

PROJECT CONTACTS

<u> AIRPORT</u>

RALEIGH DURHAM AIRPORT 2400 JOHN BRANTLEY BLVD. MORRISVILLE, NC 27560 PHONE: 919.840.7787 CONTACT: ZAKIYA JAMES

<u>BUILDING GENERAL REVIEW</u> WAKE COUNTY CODE ENFORCEMENT

WAVERLY F. AKINS WAKE COUNTY OFFICE BUILDING 337 S. SALISBURY ST. RALEIGH, NC 27601

HEALTH DEPARTMENT NC DEPARTMENT OF HEALTH AND HUMAN SERVICES ENVIRONMENTAL HEALTH SECTION **PLAN REVIEW UNIT** 5605 SIX FORKS RD

OWNER HMS HOST 6905 ROCKLEDGE DR BETHESDA, MD 20817 PHONE: 925.890.7396 CONTACT: STAN CHIN

ARCHITECT OF RECORD HILL FOLEY ROSSI & ASSOCIATES, LLC 3680 PLEASANT HILL ROAD SUITE 200 DULUTH, GA 30096

CONTACT: CHRISTIAN POWERS MEP ENGINEERING FAGAN ENGINEERING SERVICES 327 DAHLONEGA ST

PHONE: 770.622.9858

STE 101B CUMMING, GA 30040 PHONE: 678.648.4904 CONTACT: BRIAN FAGAN

DESIGN CONSULTANT LAUNDRY GROUP INC. 3600 CLIPPER MILL ROAD SUITE 227 BALTIMORE, MD 21211 PHONE: 410.441.5415 CONTACT: JASON KNIGHT

♦ 2 64 €

- 2012 NORTH CAROLINA STATE ACCESSIBILITY CODE AND

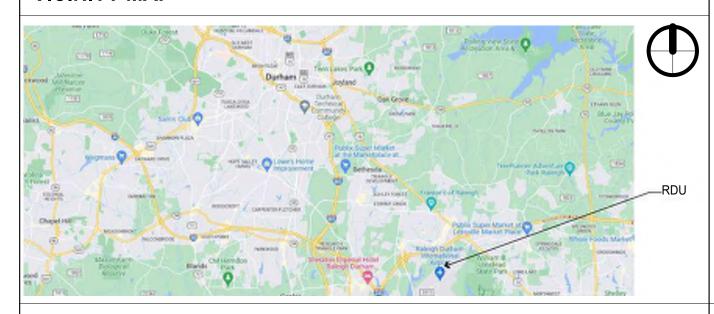
VICINITY MAP

LOCATION MAP

APPLICABLE CODES

ACCESSIBILITY

RALEIGH, NC 27609



CS | COVER SHEET GN1 | APPENDIX B GN2 | APPENDIX B GENERAL NOTES GN4 RESPONSIBILITY MATRIX 3D - DESIGN CONCEPT RENDERINGS GN6 LEASE OUTLINE DRAWING GN7 UL DETAILS 09.10 Interior Demolition ID 1.1 DEMOLITION PLANS 09.20 Interior Design IN 1.0 | LIFE SAFETY PLAN IN 1.1 FLOOR REFERENCE PLAN AND FURNITURE & GRAPHIC PLAN IN 1.2 | CONSTRUCTION FLOOR PLAN IN 1.3 REFLECTED CEILING PLAN IN 1.4 FINISH PLAN IN 2.1 | ELEVATIONS IN 2.2 | ELEVATIONS IN 2.3 | ELEVATIONS IN 3.0 | EQUIPMENT PLAN IN 5.1 | MILLWORK DETAILS IN 5.2 | MILLWORK DETAILS IN 5.3 | MILLWORK DETAILS IN 5.4 | MILLWORK DETAILS IN 6.1 | SCHEDULES IN 6.2 | SCHEDULES IN 7.0 INTERIOR DETAILS IN 8.0 | SIGNAGE 10.10 MECHANICAL M 1.0 | MECHANICAL NOTES M 2.0 | MECHANICAL DEMOLITION PLAN M 3.0 | MECHANICAL NEW WORK PLANS 10.11 PLUMBING P1.0 PLUMBING NOTES P3.0 PLUMBING PLANS 10.12 ELECTRICAL E1.0 | ELECTRICAL NOTES E2.0 ELECTRICAL BARRICADE PLAN E3.0 | ELECTRICAL PLANS 10.12 ELECTRICAL E3.1 LOW VOLTAGE PLAN 10.13 FIRE SPRINKLER F1.0 FIRE PROTECTION NOTES F3.0 | FIRE PROTECTION PLAN

Rev # Rev Date

SHEET INDEX

Sheet Sheet Name 09.00 Interior General



Puro Gusto

RDU International Aipor 2400 West Terminal Blvc Terminal 1, Space# 2021S Morrisville, NC 27560



6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



Hill Foley Rossi & Associates ARCHITECTURE 3680 Pleasant Hill Road Suite 200 Duluth, GA 30096 770.622.9858 Contact: Christian Powers

Fagan Engineering Service **ENGINEERING** 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan

SEALS AND SIGNATURES

DRAWN BY

CHECKED BY

ISSUED DATE:

NO. DATE

2025-05-19

ISSUANCE SCHEDULE

DESCRIPTION

2025-05-19 Issued for Permit



SYMBOL LEGEND

2400 WEST TERMINAL BLVD TERMINAL 1, SPACE# 2021S MORRISVILLE, NC 27560

INTERIOR FIT OUT FOR A NEW RESTUARANT

BUILDING CONSTRUCTION TYPE: NCBC: TYPE II-B, UNPROTECTED, SPRINKLERED

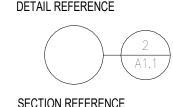
IN A PREVIOUSLY OCCUPIED FOOD SERVICE

FOR CODE ANALYSIS, REFER TO SHEET IN1.0

DRAWING TITLE DRAWING NAME **ENLARGED PLAN DETAIL**

SHEET REFERENCE

(D) WINDOW REFERENCE



EXTERIOR ELEVATION

EXTERIOR FINISH TYPE

((NOTE 1

BEARING-HEIGHT

ELEVATION LINE

DOOR REFERENCE

SHEET TITLE

PROJECT NUMBER:

PROJECT LOCATION

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH: BUILDING - 2018 NORTH CAROLINA BUILDING CODE **PLUMBING** - 2018 NORTH CAROLINA PLUMBING CODE MECHANICAL

- 2018 NORTH CAROLINA MECHANICAL CODE **ELECTRICAL** - 2020 NATIONAL ELECTRIC CODE **FUEL GAS** - 2018 NORTH CAROLINA FUEL GAS CODE FIRE 2018 NORTH CAROLINA FIRE PREVENTION CODE **ENERGY** - 2018 NORTH CAROLINA ENERGY CONSERVATION CODE

ICC A117.1-2017 ADMINISTRATION CODE - 2018 NORTH CAROLINA ADMINISTRATION AND ENFORCEMENT REQUIREMENTS CODE

DESIGN SUMMARY ROJECT ADDRESS:

RDU INTERNATIONAL AIPORT

PROJECT DESCRIPTION:

SPACE IN THE AIRPORT

PER NFPA 13

OCCUPANCY CLASSIFICATION: IBC: GROUP: A2

SECTION REFERENCE

REVISION NUMBER

Address: 2400 WEST TERMINAL BLVD, TERMINAL 1, SPACE#2021S, MORRISVILLE Zip Code 28208

Name of Project: PURO GUSTO

LDING CODE SUMMARY FOR ALL COMMERCIAL PROJECT
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

CONTACT:	Point of Contact: Hill Fold	<u> </u>	·		
DESIGNER Architectural	FIRM Hill Foley Rossi & Associates	NAME	LICENSE # 15519	TELEPHONE # (770) 622-9858	E-MAIL MRossi@hfraa.com
Civil	N/A	WICHAUTA. 11033	15515	()	WII COSSIQUIII da. COITI
Electrical	Fagan Engineering Services	Brian Fagan	33651	(<u>678</u>) <u>648-4904</u>	bfagan@faganes.co
Fire Alarm		Brian Fagan	33651	(678)648-4904	bfagan@faganes.co
Plumbing	Fagan Engineering Services		33651	(678)648-4904	bfagan@faganes.co
Mechanical	Fagan Engineering Services		33651	(678)648-4904	bfagan@faganes.co
Sprinkler-Stand				()	
Structural	N/A			()	
Retaining Walls	>5' High N/A				
Other					
("Other" should	include firms and individual	ls such as truss, p	recast, pre-engine	ered, interior desi	igners, etc.)
CONSTRU	Phased possible FING BUILDING CODE: JCTED: (date)	e additional proce EXISTING: [Alteration: [CURREN	nell/Core- Contactedures and requiredures and requiredure	ments Repair Level II Ty Y(S) (Ch. 3):	ion jurisdiction for Chapter 14 Level III Change of Use
RENOVA	TED: (date)	PROPOS	ED OCCUPANO	CY(8) (Cn. 3): _	
DISK CATECO	ORY (Table 1604.5):	Current: 🔲		II 🔲 IV	

Gross Building Area Table is for tenant space only.

SUB-TOTAL 2nd Floor Mezzanine 1st Floor 1176 SF 1176 SF ALLOWABLE AREA NA - Existing airport building Primary Occupancy Classification(s): Select one Select one Select one Select one Select one Assembly A-1 X A-2 A-3 A-4 A-5 Business Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional I-1 Condition I 2 ☐ I-2 Condition ☐ 1 ☐ 2 ☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 Mercantile Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate S-2 Low High-piled ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage Utility and Miscellaneous Accessory Occupancy Classification(s): _ Incidental Uses (Table 509): Special Uses (Chapter 4 - List Code Sections): Special Provisions: (Chapter 5 - List Code Sections): Mixed Occupancy: No Yes Separation: Hr. Exception: Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building. ☐ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. <u>Actual Area of Occupancy A</u> + <u>Actual Area of Occupancy B</u> ≤ 1 Allowable Area of Occupancy A Allowable Area of Occupancy B

TABLE 506.24 AREA FOR FRONTAGE ALLOWABLE AREA PER INCREASE^{1,5} STORY (ACTUAL) AREA STORY OR UNLIMITED^{2,3}

¹ Frontage area increases from Section 506.3 are computed thus:

a. Perimeter which fronts a public way or open space having 20 feet minimum width = ______(F)

b. Total Building Perimeter = _____(P)
c. Ratio (F/P) = ____(F/P)
d. W = Minimum width of public way = ____(W NA - Existing airport building

e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ (%)

Unlimited area applicable under conditions of Section 507. Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).

⁴ The maximum area of open parking garages must comply with Table 406.5.4. Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT NA - Existing airport building

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) ²			
Building Height in Stories (Table 504.4) 3			

Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

2018 NC Administrative Code and Policies

ACCESSIBLE DWELLING UNITS

			(SEC	CTION 1107)		NA - Ex	isting Airport Building
TOTAL	ACCESSIBLE	ACCESSIBLE	TYPE A	Түре А	Түре В	Түре В	TOTAL
UNITS	Units	Units	Units	UNITS	Units	Units	ACCESSIBLE UNITS
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	ROVIDED REQUIRED		PROVIDED

ACCESSIBLE PARKING (SECTION 1106)

NA - Existing Airport Building

LOT OR PARKING	TOTAL # OF PA	RKING SPACES	# OF ACC	TOTAL#		
AREA	REQUIRED	PROVIDED	REGULAR WITH	VAN SPAC	ACCESSIBLE	
	5' ACCESS AISLE		132" ACCESS	8' ACCESS	PROVIDED	
				AISLE	AISLE	

PLUMBING FIXTURE REQUIREMENTS

NA - Existing Airport Building (TABLE 2902.1)

USE		WATERCLOSETS			URINALS	LAVATORIES			SHOWERS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G										
	NEW										
	REQ'D										

SPECIAL APPROVALS

Speciai approvai:	(Local Jurisdiction,	Department of ins	surance, OSC, DPI	, DHHS, etc., desc	ribe below)

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

FIRE PROTECTION REQUIREMENTS

Fire District: X No Yes Flood Hazard Area: X No Yes

2018 NC Administrative Code and Policies

2018 NC Administrative Code and Policies

Special Inspections Required: X No Yes (Contact the local inspection jurisdiction for additional

procedures and requirements.)

BUILDING ELEMENT	FIRE		RATING	DETAIL#	DESIGN#	SHEET # FOR	SHEET#
	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/ * REDUCTION)	AND SHEET #	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame,	1 1 1 1 1 1 1 1						
including columns, girders,	1000		0-1	10 - 01	10 - 0 11		
trusses							
Bearing Walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing Walls and							
Partitions				1 = 11			
Exterior walls						7, 1	
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction							
Including supporting beams							
and joists							
Floor Ceiling Assembly	-						
Columns Supporting Floors							
Roof Construction, including							
supporting beams and joists							
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separat	non	1 hour	1 hour				
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation		1 hour	1 hour				
Incidental Use Separation							

Note: Unit separation is existing with no new work or penetrations.

2018 NC Administrative Code and Policies

FIRE SEPARATION DISTANCE

(FEET) FROM PROPERTY LINES

Emergency Lighting:

Smoke Detection Systems:

Life Safety Plan Sheet #: IN1.0

▼ Occupant loads for each area

□ Dead end lengths (1020.4)

X Actual occupant load for each exit door

purposes of occupancy separation

■ Location of doors with panic hardware (1010.1.10)

■ Location of doors equipped with hold-open devices Location of emergency escape windows (1030) The square footage of each fire area (202)

Carbon Monoxide Detection: X No Yes

X Fire and/or smoke rated wall locations (Chapter 7)

Assumed and real property line locations (if not on the site plan)

Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))

■ Location of doors with electromagnetic egress locks (1010.1.9.9)

Exit Signs:

Fire Alarm:

NA - Existing airport building PERCENTAGE OF WALL OPENING CALCULATIONS

LIFE SAFETY SYSTEM REQUIREMENTS

☐ No X Yes ☐ Partial _____

LIFE SAFETY PLAN REQUIREMENTS

Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)

A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for

DEGREE OF OPENINGS

PROTECTION (TABLE 705.8)

☐ No 🏻 Yes

☐ No 🏻 Yes

☐ No 🏻 Yes

□ Exterior wall opening area with respect to distance to assumed property lines (705.8)

■ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)

☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) ■ Note any code exceptions or table notes that may have been utilized regarding the items above

▼ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)

ALLOWABLE AREA

ACTUAL SHOWN ON PLANS

2018 NC Administrative Code and Policies

2018 NC Administrative Code and Policies

Puro Gusto

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6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



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Fagan Engineering Service **ENGINEERING** 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan

SEALS AND SIGNATURES



DRAWN BY: CHECKED BY:

ISSUED DATE: 2025-05-19

ISSUANCE SCHEDULE DESCRIPTION NO. DATE

2025-05-19 Issued for Permit

SHEET TITLE APPENDIX B

PROJECT NUMBER:

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ENERGY SUMMARY
ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.
Existing building envelope complies with code: No X Yes (The remainder of this section is not applicable)
Exempt Building: No Yes (Provide code or statutory reference):
Climate Zone: 3A 4A 5A
Method of Compliance: Energy Code Performance Prescriptive ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here)
THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly) Description of assembly: U-Value of total assembly: R-Value of insulation: Skylights in each assembly: U-Value of skylight: total square footage of skylights in each assembly: Exterior Walls (each assembly) Description of assembly: U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing) U-Value of assembly: Solar heat gain coefficient: projection factor: Door R-Values:
Walls below grade (each assembly) Description of assembly: U-Value of total assembly: R-Value of insulation:
Floors over unconditioned space (each assembly)
Description of assembly: U-Value of total assembly: R-Value of insulation:
Floors slab on grade
Description of assembly: U-Value of total assembly: R-Value of insulation:

Horizontal/vertical requirement:

slab heated:

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SOIL BEARING CAPACITIES:

DESIGN LOADS:

Live Loads:

Wind Load:

Ground Snow Load:

Provide the following Seismic Design Parameters:

2018 APPENDIX B

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

Ultimate Wind Speed _____ mph (ASCE-7)

Data Source: Field Test Presumptive Historical Data

☐ Moment Frame ☐ Inverted Pendulum

☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel

Basic structural system Bearing Wall Dual w/Special Moment Frame

Analysis Procedure: Simplified Equivalent Lateral Force Dynamic

Seismic (I_E)

Exposure Category

Site Classification (ASCE 7) A B C D E F

Architectural, Mechanical, Components anchored? Yes No

Existing building; no modifications

by interior Tenant

Importance Factors: Snow (Is)

SEISMIC DESIGN CATEGORY: A B C D

LATERAL DESIGN CONTROL: Earthquake Wind Wind

Pile size, type, and capacity

Field Test (provide copy of test report)

Presumptive Bearing capacity ______psf

TRUE. ITALIAN.

Puro Gusto

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Fagan Engineering Service ENGINEERING 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan

SEALS AND SIGNATURES



DRAWN BY: CHECKED BY:

ISSUED DATE:

ISSUANCE SCHEDULE NO. DATE DESCRIPTION

2025-05-19 Issued for Permit

2025-05-19

SHEET TITLE

APPENDIX B

PROJECT NUMBER:

GENERAL NOTES

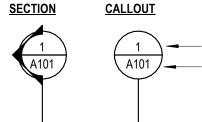
PRIOR TO ANY SAWCUTTING, CORE DRILLING, OR ANY SLAB PENETRATION WORK, GENERAL CONTRACTOR IS TO X-RAY THE FLOOR WHERE PENETRATIONS ARE TO OCCUR. ONCE X-RAY IS COMPLETE, SUMMARY OF FINDINGS AND X-RAYS ARE TO BE SUBMITTED TO RDU INTERNATIONAL AIRPORT FOR REVIEW AND APPROVAL, PRIOR TO PENETRATING THE FLOOR. DO NOT CUT ANY EXISTING BEAMS. REPORT ANY POTENTIAL CONFLICTS TO ARCHITECT.

- PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR SHALL SUBMIT COORDINATED FLOOR PENETRATION PLANS SHOWING ALL LOCATIONS AND SIZES OF REQUIRED PENETRATIONS. SUBMIT DRAWINGS TO ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL.
- 4. GENERAL CONTRACTOR TO FIELD VERIFY EXISTING ELECTRICAL BEFORE COMMENCING CONSTRUCTION.
- 5. ALL PLYWOOD, PLYWOOD BACKING, PARTICLE BOARD, WOOD BLOCKING, AND WOOD FRAMING USED SHALL BE FIRE RETARDANT & STAMPED NON-COMBUSTIBLE.
- 6. PLACE AND FINISH ALL NEW MATERIALS SO AS TO PROVIDE A SMOOTH & INTEGRAL TRANSITION TO EXISTING FINISHES & MATERIALS.
- 7. GENERAL CONTRACTOR TO PROVIDE REQUIRED FIRE EXTINGUISHER(S) PER CODE SEE ACCESSIBILITY PLAN ON IN 1.0.
- 8. SEE ELECTRICAL SHEETS FOR ALL FIXTURE SPECIFICATIONS, WIRING, AND POWER REQUIREMENTS.
- 9. PROVIDE BLOCKING REQUIRED FOR FOOD SERVICE EQUIPMENT, COORDINATE WITH FOOD SERVICE EQUIPMENT INSTALLER. BLOCKING IS TO BE 3/4" FIRE RETARDANT PLYWOOD.
- 10. CONTRACTOR SHALL COORDINATE WITH F.S.E. PROVIDER FOR EQUIPMENT INSTALLATION AND OTHER REQUIREMENTS.
- 11. AS NECESSARY, THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING FOR ALL WORK DURING THE CONSTRUCTION
- 12. ALL MATERIALS ARE TO BE NEW UNLESS OTHERWISE NOTED.
- 13. PROVIDE SEPARATION BETWEEN ALL DISSIMILAR METALS INCLUDING SCREWS, NAILS AND OTHER FASTENING DEVICES.
- 14. WHERE MATERIAL FASTENERS ARE NOT INDICATED, PROVIDE AS SPECIFIED BY THE MATERIAL MANUFACTURER'S RECOMMENDATIONS
- 15. NO WORK WILL COMMENCE WITHOUT AIRPORT'S APPROVAL.
- 16. SAFETY FLOORING MUST ONLY BE INSTALLED DURING APPROVED AIRPORT HOURS. REFER TO PRODUCT NOTE ON SHEET (IA3.0 -SCHEDULES) FOR FURTHER CLARIFICATION & REQUIREMENTS.

SPRINKLER AND FIRE ALARM NOTES

- 1. CONNECT TO EXISTING SPRINKLER SYSTEM AS REQUIRED BY LOCAL JURISDICTION AND BASE BUILDING SYSTEM REQUIREMENTS.
- 2. CONNECT TO EXISTING FIRE ALARM SYSTEM AS REQUIRED BY LOCAL JURISDICTION AND BASE BUILDING SYSTEM REQUIREMENTS.
- 3. ALL WORK ON SPRINKLER SYSTEMS AND FIRE ALARM SYSTEMS TO BE CONTRACTED THROUGH GENERAL CONTRACTOR AND PREFORMED BY SUBCONTRACTORS APPROVED BY AIRPORT.
- 4. LAYOUT TO BE DONE BY SPRINKLER CONTRACTOR AND PERMITTED AS NECESSARY BY LOCAL JURISDICTION.
- 5. ALL SPRINKLER SHUTDOWNS WILL NEED TO BE SUBMITTED TO HOST PROJECTS MANAGER AND REQUESTED BY AIRPORT

SYMBOLS LEGEND

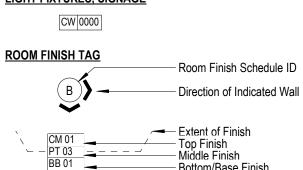


A101 /— Sheet Number

-1i) (101) (1t)

WALL TAG / DOOR TAG / WINDOW TAG

ELEVATION - EXTERIOR / INTERIOR / DETAIL ELEMENT TAG: MILLWORK, FURNITURE, HARDWARE, LIGHT FIXTURES, SIGNAGE



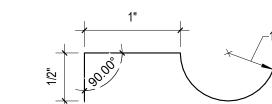
DIMENSION STYLES - ARCHITECTURAL

8'-10 3/4" Finish Face to Finish Face **DIMENSION STYLES - DETAILS**

ELEVATION / LEVEL _____ _ ____LEVEL_______ELEVATION

KEY NOTE

A1 Optional visible notation



AIR CONDITIONING ACOUSTICAL CEILING TILE ABOVE FINISHED FLOOR ARCHITECT OF RECORD

ADJUSTABLE

AMPERE

BOTTOM OF

CABINET CENTER LINE

CEILING

COLUMN

CENTER DEGREE

DETAIL

DOWN

EQUAL

EXTERIOR

FOOT/FEET

GROUND

HARDWARE

HORIZ HORIZONTAL

HOUR

HEIGHT

HOLLOW METAL

INSIDE DIAMETER

LANDLORD

MAXIMUM

MINIMUM NOT IN CONTRACT NOT TO SCALE

OVERALL

PLACE

RADIUS

REQ'D REQUIRED

REFERENCE

REVISION

ROUND SOLID CORE

SHEET

SIMILAR

SPEC SPECIFICATION

TEMP TEMPORARY

TO TOP OF TYP TYPICAL

VERT VERTICAL VIF VERIFY IN FIELD

SQUARE FEET

SQUARE METERS

SQUARE TO BE DETERMINED

UNO UNLESS NOTED OTHERWISE

ON CENTER

POINT OF SALE

OUTSIDE DIAMETER

LOW VOLTAGE

MANUFACTURER

FRONT OF HOUSE FOR PLACEMENT ONLY

GENERAL CONTRACTOR

GYPSUM WALL BOARD **HOLLOW CORE**

FLOOR

FURNITURE, FIXTURE, AND EQUIPMENT

HVAC HEATING, VENTILATING, AND AIR CONDITIONING

MECHANICAL, ELECTRICAL, AND PLUMBING

EQPM EQUIPMENT

EXIST EXISTING

EACH **ELEVATION**

DIAMETER

DIMENSION

ELECTRICAL

EMERGENCY

CONT CONTINUOUS

BACK OF HOUSE

CLEAR / CLEARANCE

BLDG BUILDING

AFF

AMP

ВО

BOH

CAB

CLG

CLR

COL

CTR

DEG DET

DIA

DIM

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CL

Puro Gusto

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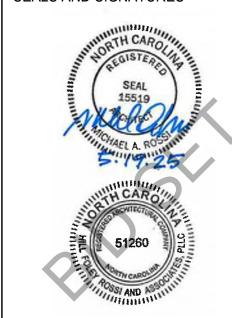
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SEALS AND SIGNATURES



DRAWN BY: CHECKED BY:

2025-05-19 ISSUED DATE:

ISSUANCE SCHEDULE NO. DATE DESCRIPTION 2025-05-19 Issued for Permit

SHEET TITLE GENERAL NOTES

PROJECT NUMBER:

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1.01 DESCRIPTION

A. THIS SECTION CONTAINS THE PROCEDURES TO BE FOLLOWED BY CONTRACTOR FOR SUBMITTING A REQUEST FOR INFORMATION (RFI) UPON DISCOVERY OF ANY APPARENT CONFLICTS, OMISSIONS, OR ERRORS IN THE CONTRACT DOCUMENTS OR DRAWINGS OR UPON HAVING ANY QUESTION CONCERNING INTERPRETATION.

1.02 ADMINISTRATIVE REQUIREMENTS

- A. DESCRIPTION: SECTION PROVIDES PROCEDURE FOR CONTRACTORS TO OBTAIN INTERPRETATION OR CLARIFICATION OF THE CONTRACT DOCUMENTS, OR IDENTIFY APPARENT CONFLICTS, OMISSIONS, OR ERRORS IN THE CONTRACT DOCUMENTS.
- B. RESPONSIBLE PERSON FOR CONTRACTOR: SUBMIT NAME OF THE INDIVIDUAL AUTHORIZED TO RECEIVE REQUESTS FOR INFORMATION DOCUMENTS, AND WHO IS RESPONSIBLE FOR
- C. RFI FORMAT: SUBMIT ALL REQUESTS FOR INFORMATION ON THE FORM PROVIDED BY AOR. AOR CONTACT ON COVER SHEET.

1.03 RFI PROCEDURES

A. RFI FORMAT, NUMBERING AND SUBJECT.

1. RFI FORMAT: SUBMIT ALL REQUESTS FOR CLARIFICATION OR ADDITIONAL INFORMATION IN WRITING TO AOR USING THE RFI REQUEST FOR INFORMATION FORM PROVIDED. 2. RFI NUMBERING: NUMBER RFI'S SEQUENTIALLY. FOLLOW RFI NUMBER WITH SEQUENTIAL ALPHABETICAL SUFFIX FOR RESUBMISSIONS. FOR EXAMPLE, THE FIRST RFI IS NUMBERED "001". THE SECOND RFI IS NUMBERED "002" AND SO ON. THE FIRST RESUBMITTAL OF RFI "002" WILL BE NUMBERED "002A".

3. RFI SUBJECT: LIMIT EACH RFI TO ONE (1) SUBJECT ONLY.

B. RFI SUBMITTAL CONDITIONS:

1. DISCOVERY OF UNFORESEEN CONDITION OR CIRCUMSTANCE NOT DESCRIBED IN THE CONTRACT DOCUMENTS.

2. DISCOVERY OF AN APPARENT CONFLICT, DISCREPANCY OR INCONSISTENCY IN OR BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS.

3. DISCOVERY OF A SITUATION, DIRECTION OR APPARENT OMISSION THAT CANNOT BE REASONABLY INFERRED FROM THE INTENT OF THE CONTRACT DOCUMENTS.

PART II - PRODUCTS - NOT USED

PART III - EXECUTION

3.01 EXECUTION OF RFI'S

- A. EMAIL ALL RFI REQUESTS TO AOR LISTED ON THE COVER SHEET. NOTIFICATION TIME BEGINS FROM DATE STAMP OF SENT EMAIL. EMAILED RFI REQUESTS RECEIVED AFTER NORMAL BUSINESS HOURS AND/OR RECEIVED ON NON-NORMAL WORKDAYS WILL BEGIN NOTIFICATION TIME STARTING AT 7:00 AM THE FOLLOWING BUSINESS DAY.
- B. FAILURE TO PROVIDE PROPER INFORMATION: RFI'S WILL NOT BE RECOGNIZED OR ACCEPTED IF, IN THE OPINION OF THE AOR, ONE OF THE FOLLOWING CONDITIONS EXIST: 1. CONTRACTOR SUBMITS THE RFI AS A REQUEST FOR SUBSTITUTION.
- 2. CONTRACTOR SUBMITS THE RFI AS A SUBMITTAL.
- 3. CONTRACTOR SUBMITS THE RFI IN AN UNTIMELY MANNER WITHOUT PROPER COORDINATION AND SCHEDULING OF WORK OF OTHER TRADES.
- C. RESPONSE TIME: REQUEST CLARIFICATIONS OR INFORMATION IMMEDIATELY UPON DISCOVERY OF NEED. SUBMIT RFI'S IN A TIMELY MANNER ALLOWING FULL RESPONSE TIME TO AVOID
- IMPACTING CONTRACT SCHEDULE. 1. AOR, WHOSE DECISION WILL BE FINAL, SHALL RESOLVE ISSUES AND RESPOND TO QUESTIONS OF CONTRACTOR, IN MOST CASES, WITHIN SEVEN (7) DAYS. ACTUAL TIME
- BE LENGTHENED FOR COMPLEX ISSUES, OR SHORTENED FOR EXPEDITED SITUATIONS. 2. AFTER SUBMISSION OF AN RFI BY CONTRACTOR AND PRIOR TO RECEIPT OF THE RFI RESPONSE FROM AOR, THE CONTRACTOR PROCEEDS WITH EFFECTED WORK AT OWN RISK. ANY PORTION OF THE WORK NOT CONSTRUCTED IN ACCORDANCE WITH AOR INTERPRETATION, CLARIFICATION, INSTRUCTION OR DECISION IS SUBJECT TO REMOVAL AND REPLACEMENT AT CONTRACTOR EXPENSE.
- D. FAILURE TO AGREE: IN THE EVENT OF FAILURE TO AGREE TO THE SCOPE OF THE CONTRACT REQUIREMENTS, CONTRACTOR SHALL FOLLOW PROCEDURES SET FORTH IN ARTICLE 4 OF THE GENERAL CONDITIONS OF THE CONTRACT.

SECTION 01-33-00 SUBMITTALS/SHOP DRAWINGS PART 1 GENERAL

1.01 SECTION INCLUDES

- A. SUBMITTALS FOR REVIEW, INFORMATION, AND PROJECT CLOSEOUT.
- B. NUMBER OF COPIES OF SUBMITTALS. C. SUBMITTAL PROCEDURES.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 SUBMITTALS FOR REVIEW

A. WHEN THE FOLLOWING ARE SPECIFIED IN THE LIST BELOW, SUBMIT THEM FOR REVIEW

- PRODUCT DATA. SHOP DRAWINGS.
- 3. SAMPLES FOR SELECTION.
- 4. SAMPLES FOR VERIFICATION.
- B. SUBMIT TO HILL FOLEY ROSSI AND ASSOCIATES (ARCHITECT) FOR REVIEW FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN
- CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. C. SAMPLES WILL BE REVIEWED ONLY FOR AESTHETIC, COLOR, OR FINISH SELECTION.
- D. AFTER REVIEW, PROVIDE COPIES AND DISTRIBUTE IN ACCORDANCE WITH SUBMITTAL PROCEDURES ARTICLE BELOW.

3.02 NUMBER OF COPIES OF SUBMITTALS

A. DOCUMENTS: SUBMIT ONE ELECTRONIC COPY IN PDF FORMAT; AN ELECTRONICALLY-MARKED UP FILE WILL BE RETURNED. CREATE PDF'S AT FULL SIZE AND RIGHT-SIDE UP; ILLEGIBLE FILES WILL BE REJECTED.

B. SAMPLES: SUBMIT MINIMUM 3 SAMPLES; ONE OF WHICH WILL BE RETAINED BY ARCHITECT.

3.03 SUBMITTAL PROCEDURES

- A. TRANSMIT EACH SUBMITTAL WITH A TRANSMITTAL FORM.
- B. SEQUENTIALLY NUMBER THE TRANSMITTAL FORM. REVISE SUBMITTALS WITH ORIGINAL
- NUMBER AND A SEQUENTIAL ALPHABETIC SUFFIX. C. IDENTIFY PROJECT, THE CONTRACTOR, SUBCONTRACTOR OR SUPPLIER; PERTINENT DRAWING
- AND DETAIL NUMBER AS APPROPRIATE. D. APPLY THE CONTRACTOR'S STAMP, SIGNED OR INITIALED CERTIFYING THAT REVIEW, APPROVAL VERIFICATION OF PRODUCTS REQUIRED, FIELD DIMENSIONS, ADJACENT CONSTRUCTION WORK,
- AND COORDINATION OF INFORMATION IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK AND CONTRACT DOCUMENTS. E. DELIVER SUBMITTALS TO HILL FOLEY ROSSI AND ASSOCIATES AT BUSINESS ADDRESS ON COVER
- OF DRAWINGS OR EMAIL PDF'S TO AOR LISTED ON THE COVERSHEET. DELIVER MEP SUBMITTALS TO FAGAN ENGINERRING SERVICE AT BUSINESS ADDRESS ON COVER OF DRAWINGS OR EMAIL PDF'S
- TO EOR LISTED ON THE COVERSHEET. F. SCHEDULE SUBMITTALS TO EXPEDITE THE PROJECT, AND COORDINATE SUBMISSION OF
- RELATED ITEMS. G. FOR EACH SUBMITTAL FOR REVIEW, ALLOW 10 BUSINESS DAYS EXCLUDING DELIVERY TIME TO
- H. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND PRODUCT OR SYSTEM LIMITATIONS
- THAT MAY BE DETRIMENTAL TO SUCCESSFUL PERFORMANCE OF THE COMPLETED WORK. I. WHEN REVISED FOR RESUBMISSION, IDENTIFY ALL CHANGES MADE SINCE PREVIOUS

3.04 REQUIRED SUBMITTALS

A. PROVIDE SHOP DRAWINGS/SUBMITTALS FOR THE FOLLOWING ITEMS/SYSTEMS IF THE ITEMS ARE PROVIDED IN THE WORK. GROUP ITEMS FROM EACH DISCIPLINE TOGETHER AS MUCH AS

1. ARCHITECTURAL

- B. ANY PRODUCTS OR MATERIALS SUBSTITUTED FOR THOSE CALLED OUT IN DRAWINGS.
- WOOD FOR WALL FINISH
- III. ANY FINISHES NOTED AS GC TO SOURCE OR NOT SPECIFICALLY CALLED OUT
- IN THE CONSTRUCTION DOCUMENTS. IV. ANY FINISHES SUBSTITUTED FOR THOSE CALLED OUT IN DRAWINGS.
- 2. MECHANICAL / PLUMBING / FIRE PROTECTION / ELECTRICAL
- A. REFER TO MEPF DRAWGINGS
- 3. FOOD SERVICE A. ALL CUSTOM STAINLESS STEEL WORK

RESPONSIBILITY SCHEDULE

FOR ANY TENANT FURNISHED ITEMS THE GENERAL CONTRACTOR (GC) SHALL SCHEDULE NO LESS THAN THREE (3) WEEKS FOR DELIVERY FROM HMS HOST. GENERAL CONTRACTOR SHALL NOTIFY HMS HOST OF SCHEDULE.

FURNISHED INSTALLED

ARCHITECTURAL

PAINTING

CEILING

WALL FINISHES

FURNITURE AND BOOTH SEATING

ALL WORK AS SHOWN ON DRAWINGS

FLOOR SINKS/DRAINS

FOOD SERVICE

REMARKS IF AN ITEM IS NOT INDICATED ON THE RESPONSIBILITY SCHEDULE. THE GENERAL CONTRACTOR (GC) SHALL INCLUDE IT IN THE BID UNLESS OTHERWISE NOTED IN THE DRAWINGS.

DEMOLITION & RELOCATION NEW WALLS, WALL SHEATHING, BLOCKING, ETC. CASEWORK / MILLWORK FLOOR FINISHES AND BASE TILE

FLOOR PENETRATIONS

ALL WORK AS SHOWN ON DRAWINGS PLUMBING

FOOD SERVICE EQUIPMENT FINAL PLUMBING HOOKUP BY GC HAND SINKS

ECO LAB EQUIPMENT GC TO COORDINATE PICK-UP, PLUMBING CONNECTION BY GC NEW SODA GUN TO BE COORDINATED WITH BEVERAGE/DRINK SODA GUN & CARBONATOR PROVIDER, EXISTING BAG N BOX AND CARBONATOR TO BE REUSED ELECTRICAL

FLOOR PENETRATIONS (IF NEEDED), & ROUTING ELECTRICAL ALL WORK AS SHOWN ON DRAWINGS THROUGH MILLWORK LIGHTING

A/V SYSTEM EQUIPMENT GC TO PROVIDE ALL LOW VOLTAGE AND POWER INFRASTRUTURE FOR AV, POS, DATA, ETC. POS EQUIPMENT & CABLING GC TO PROVIDE ALL LOW VOLTAGE AND POWER INFRASTRUTURE FOR AV, POS, DATA, ETC.

FIRE PROTECTION ALL WORK AS SHOWN ON DRAWINGS GC TO COORDINATE WITH AIRPORT'S VENDOR AND STANDARDS

SPECIALTY					
DIGITAL MENU BOARD AND MOUNTING POLE	•		•		GC TO PROVIDE BLOCKING, LOW VOLTAGE AND POWER. FOR DIGITAL MENU BOARD

GRAPHICS GC TO VERIFY EXISTING POWER AND BLOCKING FOR SIGNAGE STOREFRONT SIGNAGE: PROVIDE IF NEEDED.

1. ALL NEW FLOOR PENETRATION REQUIRES A GPR TO BE PERFORMED TO LOCATE AND MISS EXISTING FLOOR SLAB REINFORCING.

GC TO PROVIDE X-RAYS AT ALL PENETRATIONS TESTING THRU CONCRETE SLABS AND ROOF DECKS. GC TO BE RESPONSIBLE FOR ALL CORE-DRILLING/CUTTING DRILLING OF ANY PENETRATION THRU THE FLOOR SLAB AND/OR ROOF

GC = GENERAL CONTRACTOR

F.S.E. = FOOD SERVICE EQUIPMENT SUPPLIER

GC NOTES:



Puro Gusto RDU International Aiport

2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



Hill Foley Rossi & Associates ARCHITECTURE 3680 Pleasant Hill Road Suite 200 Duluth, GA 30096 770.622.9858 Contact: Christian Powers

Fagan Engineering Service **ENGINEERING** 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan

SEALS AND SIGNATURES



DRAWN BY

CHECKED BY:

ISSUED DATE:

ISSUANCE SCHEDULE NO. DATE DESCRIPTION 2025-05-19 Issued for Permit

2025-05-19

SHEET TITLE

RESPONSIBILITY MATRIX

PROJECT NUMBER:

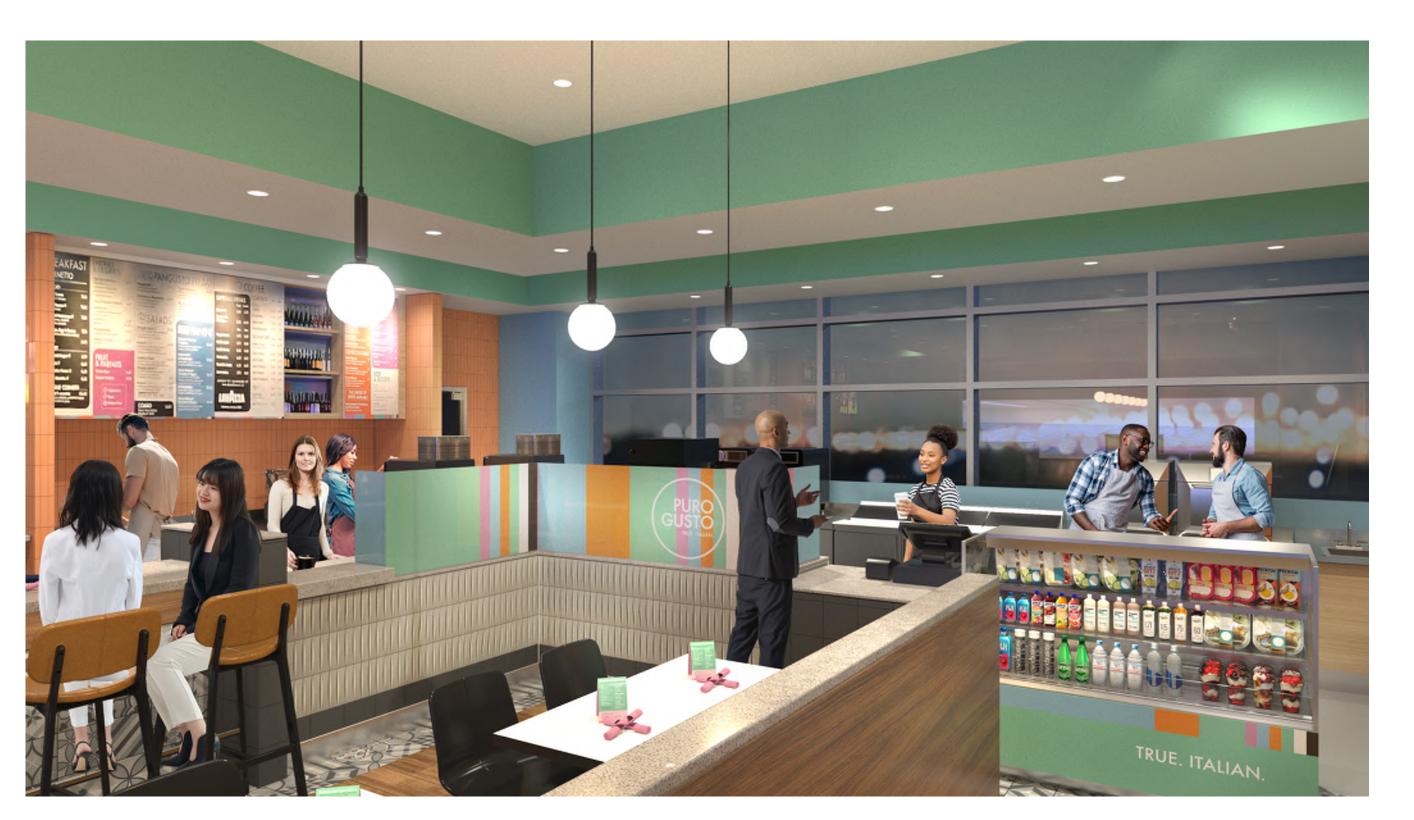
SHEET NUMBER:











CONCEPT DESIGN RENDERINGS. RENDERINGS MAY INCLUDE DETAILS THAT VARY FROM FINAL DESIGN. CONSULT ARCHITECTURAL DRAWINGS FOR UPDATED INFORMATION.



Puro Gusto

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



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770.622.9858
Contact: Christian Powers

Fagan Engineering Service ENGINEERING 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan

SEALS AND SIGNATURES



DRAWN BY: CHECKED BY:

ISSUED DATE:

ISSUANCE SCHEDULE NO. DATE DESCRIPTION 2025-05-19 Issued for Permit

2025-05-19

3D - DESIGN CONCEPT RENDERINGS

SHEET TITLE

GN5

LEASE OUTLINE DRAWING

Puro Gusto RDU International Aiport

2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



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SEALS AND SIGNATURES



CHECKED BY:

ISSUED DATE:

ISSUANCE SCHEDULE NO. DATE DESCRIPTION

2025-05-19

2025-05-19 Issued for Permit

SHEET TITLE

LEASE OUTLINE DRAWING

PROJECT NUMBER:

 Floor or Wall Assembly – Min 4-1/2 in. (114 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m²) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of circular through opening is 32-1/2 in. (826 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

System No. C-AJ-1001

- 1A. Steel Sleeve (Optional, not shown) Nom 12 in. (305 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe sleeve cast into concrete floor or wall. Sleeve to be flush with or project max 2 in. (51 mm) from top surface of floor or from both surfaces of wall. As an alternate, norm 12 in. (305 mm) diam (or smaller) sleeve fabricated from norm 0.019 in. (0.48 mm) thick galv steel cast or grouted into floor or wall assembly flush with floor or wall surfaces.
- Through Penetrant One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm, point contact) to max 1-3/8 in. (35 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
- A. Steel Pipe Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. A1. Iron Pipe - Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
- B. Conduit Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.

from bottom surface of floor or from either side of solid concrete wall.

- C. Conduit Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing. 3. Packing Material - Polyethylene backer rod or nom 1 in. (25 mm) thickness of tightly-packed ceramic (alumina silica) fiber blanket, mineral wool batt or glass fiber insulation material used as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of solid concrete or concrete block wall as required to accommodate the required thickness of caulk fill material (Item 4). As an alternate when max pipe size is 10 in. (254 mm) diam and when max annular space is 1 in. (25 mm), a min 1 in. (25 mm) thickness of tightly-packed ceramic fiber blanket or mineral wool batt packing material may be recessed min 1/2 in. (13 mm)
- 4. Fill, Void or Cavity Materials* Caulk or Sealant Applied to fill the annular space to the min thickness shown in the following table:

Max Pipe Diam In. (mm)	Max Annular Space In. (mm)	Packing Mtl Type (a)	Min Caulk Thkns In. (mm)
10 (254)	1 (25)	BR, CF, GF or MW	1/2 (13) (b)
10 (254)	1 (25)	CF or MW	1/2 (13) (c)
30 (762)	2-1/2 (64)	BR. CF. GF or MW	1 (25) (b)

- (a) BR = Polyethylene backer rod. CF = Ceramic fiber blanket.
- GF = Glass fiber insulation.
- MW = Mineral-wool batt. (b) Caulk installed flush with top surface of floor or both surfaces of wall.
- (c) Caulk installed flush with bottom surface of floor or one surface of solid (non-concrete block) wall. 3M COMPANY - CP 25WB+ or FB-3000 WT
- (Note: W Rating applies only when FB-3000 WT is used on top surface of floor and when it laps onto concrete for sleeved opening.)

*Bearing the UL Classification Marking

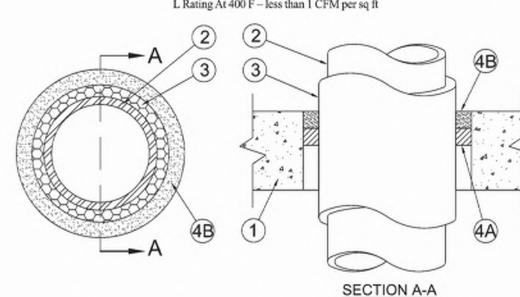
3M Fire Protection Products www.3m.com/firestop

C-AJ-1001 • 1 of 1

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System No. C-AJ-5001

March 05, 2007 F Ratings - 1-1/2, 2 and 3 Hr (See Item 4) T Ratings - 0, 1/2, 3/4 and 1 Hr (See Items 1 A and 4) L Rating At Ambient - 2 CFM per sq ft L Rating At 400 F - less than 1 CFM per sq ft



Floor or Wall Assembly - Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/.m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 18 in. (457 mm) See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

1A. Steel Sleeve - (Optional, not shown) - Nom 10 in. (254 mm) (or smaller) Schedule 10 (or heavier) steel sleeve east or grouted into floor or wall assembly. Sleeve may extend a max of 2 in. (51 mm) above top of floor or beyond either surface of wall. As an alternate, nom 10 in. (254 mm) diam (or smaller) sleeve fabricated from nom 0.019 in. (0.48 mm) thick galv steel cast or grouted into floor or wall assembly flush with floor or wall surfaces. T Rating is 0 Hr when sleeve is used.

 Through Penetrant – Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper pipe, nom 12 in. (305 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe or nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe centered in the opening and rigidly supported on both sides of the

3. Pipe Covering* - Nom 1/2 to 2 in. (13 to 51 mm) thick hollow cylindrical heavy density (min. 3.5 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product.

See Pipe and Equipment Covering - Materials* (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Firestop System - The details of the firestop system shall be as follows: A. Packing Material - Min 1 in. (25 mm) thickness of firmly packed mineral wool batt insulation used as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall as required to accommodate the required thickness of caulk fill material (Item B).

B. Fill, Void or Cavity Material* - Caulk or Sealant - Applied to fill the annular space flush with the top surface of the floor or sleeve or flush with both surfaces of wall. When nom pipe covering thickness is 2 in. (51 mm), min thickness of caulk fill material is 2 in. (51 mm). When nom pipe covering thickness is 1-1/2 in. (38 mm) or less, min thickness of caulk fill material is 1 in. (25 mm). The hourty F and T Ratings of the firestop system are dependent upon the thickness of the floor or wall, the size of pipe, the thickness of pipe covering material and the size of the annular space (between the pipe covering material and the edge of the circular through opening), as shown in the following table:

Min Floor or Wall Thkns In. (mm)	Max Pipe Diam In. (mm)	Nom Pipe Covering Thkns In. (mm)	Annular Space In. (mm)	F Rating Hr	T Rating Hr
2-1/2 (64)	4(102)	1 or 1-1/2 (25 or 38)	1/2 to 2-3/8 (13 to 60)	2	1
4-1/2 (114)	4 (102)	2 (51)	1/4 to 3-5/8 (6 to 92)	2	1-1/2
2-1/2 (64)	12 (305)	1 (25)	1/2 to 1-1/2 (13 to 38)	2	1/2
4-1/2 (114)	12 (305)	1 (25)	1/2 to 2-3/8 (13 to 60)	3	1
2-1/2 (64)	12 (305)	1/2 (13)	1/2 to 2-3/8 (13 to 60)	2	0

3M COMPANY - CP 25WB+ or FB-3000 WT

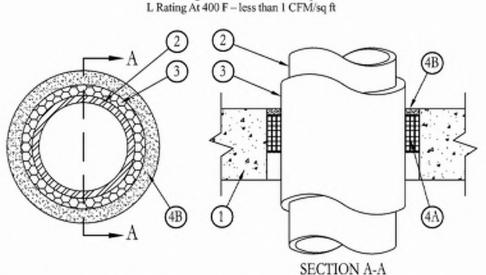
*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. c(YL)us **3M** Fire Protection Products C-AJ-5001 • 1 of 1 www.3m.com/firestop

Choose option 4 for FAX ON DEMAND

System No. C-AJ-5002 September 03, 2004

(Formerly System No. 91-B) F Ratings - 2 and 3 Hr (See Items 1A and 4) T Ratings - 0, 1/2 and 1 Hr (See Items 1A and 4) L Rating At Ambient - 2 CFM/sq ft



Floor or Wall Assembly - Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 36 in.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers. 1A. Steel Sleeve (Optional, not shown) - Nom 36 in. diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast into min 4-1/2 in. thick concrete floor or wall. Sleeve to be flush with or project max 2 in. from top surface of floor or from both surfaces of wall. When steel sleeve is used, F Rating is 2 hr and T Rating is 0 hr.

Pipe - Nom 4 in. diam (or smaller) Type L (or heavier) copper pipe, nom 15 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 30 in. diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe or nom 30 in. diam (or smaller) Schedule 10 (or heavier) steel pipe centered in the opening and rigidly supported on both sides of the floor or wall assembly.

Pipe Covering* - Nom 1, 2 or 3 in. thick hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product. See Pipe and Equipment Covering - Materials* (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe

covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

Firestop System - The details of the firestop system shall be as follows:

A. Fill, Void or Cavity Materials* - Wrap Strip - Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in, wide by 24 in, long strips. Nom 2 in, wide strips tightly-wrapped around pipe covering (foil side exposed) to fill annular space. Each layer of wrap strip is to be installed with a butted seam, with the butted seams in successive layers staggered. Wrap strip layers securely bound with steel wire or aluminum foil tape and slide into annular space such that the top edges are recessed min 1/2 in. form top surface of floor. In wall assemblies, the wrap strip layers shall be installed in the same manner used for floor assemblies but shall be installed symmetrically on both sides of the wall. The min number of wrap strip layers required is dependent upon the max pipe size and the pipe covering thickness, as shown in the following table:

Min Floor or Wall Thkns In.	Max Pipe Diam In.	Nom Pipe Covering Thkns In.	Annular Space In.	Min No.of Wrap Strip Layers	F Rating Hr	T Rating
2-1/2	6	1	1/4 to 3/8	1	2	1
2-1/2	6	2	1/2 to 5/8	2	2	1
2-1/2	12	1	1/4 to 3/8	1	2	1/2
4-1/2	12	1	1/4 to 3/8	1	2	1
4-1/2	12	2	1/2 to 5/8	2	2	1
4-1/2	20	1	1/2 to 1	2	3	1
4-1/2	30	2	3/4 to 1-1/4	3	2	1
4-1/2	20	3	1 to 1-1/2	4	2	1

3M COMPANY - FS-195+ B. Fill, Void or Cavity Materials* - Caulk or Sealant - Applied to fill the annular space (over edges of wrap strip layers) to a min depth of 1/2 in., flush with top surface of floor or both surfaces of wall.

3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant.

3M Fire Protection Products

www.3m.com/firestop

Bearing the UL Classification Marking This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. c(4L)us

ONLINE CERTIFICATIONS DIRECTORY

System No. W-L-1054 XHEZ.W-L-1054 Through-penetration Firestop Systems

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance
- with applicable requirements. The published information cannot always address every construction nuance encountered in the field. When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and
- alternate methods of construction. Only products which bear UL's Mark are considered Certified.

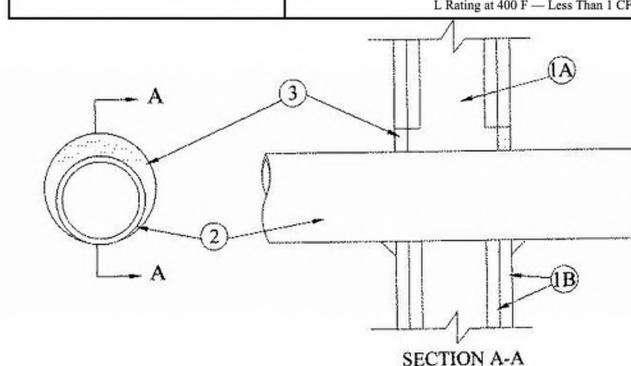
XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

System No. W-L-1054

October 14, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings —1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings —1 and 2 Hr (See Items 1 and 3)
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	FTH Rating — 0 Hr L Rating at Ambient — Less Than 1 CFM/sq ft
	L Rating at 400 F — Less Than 1 CFM/sq ft



 Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.

B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368

The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly.

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be

- A. Steel Pipe Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. Iron Pipe Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
- C. Conduit Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm). diam steel conduit.
- D. Copper Tubing Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe. 3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-One Sealant or FS-ONE MAX Intumescent

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2015-10-14

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C-AJ-5002 • 1 of 1 Choose option 4 for FAX ON DEMAND

Product Support Line: 1-800-328-1687

Puro Gusto

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560

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Contact: Brian Fagan

Suite 200

3680 Pleasant Hill Road

Contact: Christian Powers

Fagan Engineering Service

SEALS AND SIGNATURES



DRAWN BY **CHECKED BY**

ISSUED DATE:

NO. DATE

ISSUANCE SCHEDULE DESCRIPTION

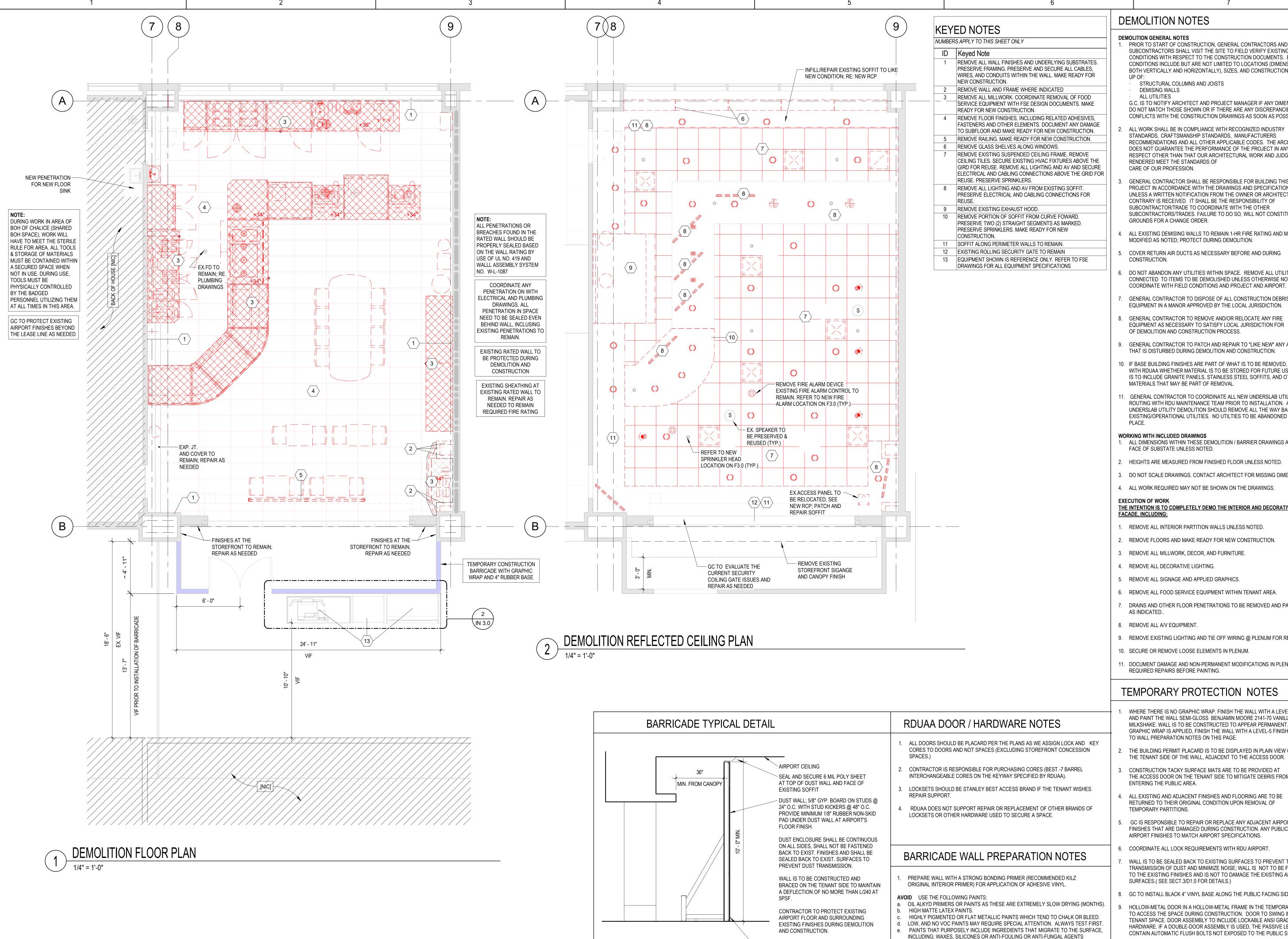
2025-05-19

2025-05-19 Issued for Permit

SHEET TITLE

UL DETAILS

PROJECT NUMBER:



DEMOLITION NOTES

PRIOR TO START OF CONSTRUCTION, GENERAL CONTRACTORS AND SUBCONTRACTORS SHALL VISIT THE SITE TO FIELD VERIFY EXISTING CONDITIONS WITH RESPECT TO THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS INCLUDE BUT ARE NOT LIMITED TO LOCATIONS (DIMENSIONS BOTH VERTICALLY AND HORIZONTALLY), SIZES, AND CONSTRUCTION MAKE-

STRUCTURAL COLUMNS AND JOISTS

ALL UTILITIES G.C. IS TO NOTIFY ARCHITECT AND PROJECT MANAGER IF ANY DIMENSIONS DO NOT MATCH THOSE SHOWN OR IF THERE ARE ANY DISCREPANCIES OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS AS SOON AS POSSIBLE.

ALL WORK SHALL BE IN COMPLIANCE WITH RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS, MANUFACTURERS RECOMMENDATIONS AND ALL OTHER APPLICABLE CODES. THE ARCHITECT DOES NOT GUARANTEE THE PERFORMANCE OF THE PROJECT IN ANY RESPECT OTHER THAN THAT OUR ARCHITECTURAL WORK AND JUDGMENT RENDERED MEET THE STANDARDS OF CARE OF OUR PROFESSION.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS UNLESS A WRITTEN NOTIFICATION FROM THE OWNER OR ARCHITECT TO THE CONTRARY IS RECEIVED. IT SHALL BE THE RESPONSIBILITY OF SUBCONTRACTOR/TRADE TO COORDINATE WITH THE OTHER SUBCONTRACTORS/TRADES. FAILURE TO DO SO, WILL NOT CONSTITUTE GROUNDS FOR A CHANGE ORDER.

4. ALL EXISTING DEMISING WALLS TO REMAIN 1-HR FIRE RATING AND MAY BE

MODIFIED AS NOTED; PROTECT DURING DEMOLITION.

DO NOT ABANDON ANY UTILITIES WITHIN SPACE. REMOVE ALL UTILITIES CONNECTED TO ITEMS TO BE DEMOLISHED UNLESS OTHERWISE NOTED.

GENERAL CONTRACTOR TO DISPOSE OF ALL CONSTRUCTION DEBRIS OF EQUIPMENT IN A MANOR APPROVED BY THE LOCAL JURISDICTION.

8. GENERAL CONTRACTOR TO REMOVE AND/OR RELOCATE ANY FIRE EQUIPMENT AS NECESSARY TO SATISFY LOCAL JURISDICTION FOR LENGTH OF DEMOLITION AND CONSTRUCTION PROCESS.

9. GENERAL CONTRACTOR TO PATCH AND REPAIR TO "LIKE NEW" ANY AREA THAT IS DISTURBED DURING DEMOLITION AND CONSTRUCTION.

10. IF BASE BUILDING FINISHES ARE PART OF WHAT IS TO BE REMOVED, VERIFY WITH RDUAA WHETHER MATERIAL IS TO BE STORED FOR FUTURE USE. THIS IS TO INCLUDE GRANITE PANELS, STAINLESS STEEL SOFFITS, AND OTHER MATERIALS THAT MAY BE PART OF REMOVAL.

I. GENERAL CONTRACTOR TO COORDINATE ALL NEW UNDERSLAB UTILITIES ROUTING WITH RDU MAINTENANCE TEAM PRIOR TO INSTALLATION. ALL UNDERSLAB UTILITY DEMOLITION SHOULD REMOVE ALL THE WAY BACK TO EXISTING/OPERATIONAL UTILITIES. NO UTILTIES TO BE ABANDONED IN

WORKING WITH INCLUDED DRAWINGS

. ALL DIMENSIONS WITHIN THESE DEMOLITION / BARRIER DRAWINGS ARE FROM FACE OF SUBSTATE UNLESS NOTED.

3. DO NOT SCALE DRAWINGS. CONTACT ARCHITECT FOR MISSING DIMENSIONS.

4. ALL WORK REQUIRED MAY NOT BE SHOWN ON THE DRAWINGS.

EXECUTION OF WORK THE INTENTION IS TO COMPLETELY DEMO THE INTERIOR AND DECORATIVE

REMOVE ALL INTERIOR PARTITION WALLS UNLESS NOTED.

2. REMOVE FLOORS AND MAKE READY FOR NEW CONSTRUCTION.

3. REMOVE ALL MILLWORK, DECOR, AND FURNITURE.

4. REMOVE ALL DECORATIVE LIGHTING.

5. REMOVE ALL SIGNAGE AND APPLIED GRAPHICS.

6. REMOVE ALL FOOD SERVICE EQUIPMENT WITHIN TENANT AREA.

7. DRAINS AND OTHER FLOOR PENETRATIONS TO BE REMOVED AND PATCHED

8. REMOVE ALL A/V EQUIPMENT.

9. REMOVE EXISTING LIGHTING AND TIE OFF WIRING @ PLENUM FOR RE-USE.

10. SECURE OR REMOVE LOOSE ELEMENTS IN PLENUM.

11. DOCUMENT DAMAGE AND NON-PERMANENT MODIFICATIONS IN PLENUM FOR REQUIRED REPAIRS BEFORE PAINTING.

TEMPORARY PROTECTION NOTES

WHERE THERE IS NO GRAPHIC WRAP. FINISH THE WALL WITH A LEVEL-3 FINISH AND PAINT THE WALL SEMI-GLOSS BENJAMIN MOORE 2141-70 VANILLA MILKSHAKE. WALL IS TO BE CONSTRUCTED TO APPEAR PERMANENT. WHERE GRAPHIC WRAP IS APPLIED, FINISH THE WALL WITH A LEVEL-5 FINISH. REFER

THE BUILDING PERMIT PLACARD IS TO BE DISPLAYED IN PLAIN VIEW ON THE TENANT SIDE OF THE WALL, ADJACENT TO THE ACCESS DOOR.

CONSTRUCTION TACKY SURFACE MATS ARE TO BE PROVIDED AT THE ACCESS DOOR ON THE TENANT SIDE TO MITIGATE DEBRIS FROM

ALL EXISTING AND ADJACENT FINISHES AND FLOORING ARE TO BE RETURNED TO THEIR ORIGINAL CONDITION UPON REMOVAL OF

5. GC IS RESPONSIBLE TO REPAIR OR REPLACE ANY ADJACENT AIRPORT FINISHES THAT ARE DAMAGED DURING CONSTRUCTION. ANY PUBLIC FACING AIRPORT FINISHES TO MATCH AIRPORT SPECIFICATIONS.

6. COORDINATE ALL LOCK REQUIREMENTS WITH RDU AIRPORT.

WALL IS TO BE SEALED BACK TO EXISTING SURFACES TO PREVENT THE TRANSMISSION OF DUST AND MINIMIZE NOISE; WALL IS NOT TO BE FASTENED

TO THE EXISTING FINISHES AND IS NOT TO DAMAGE THE EXISTING AIRPORT SURFACES.(SEE SECT.3/D1.0 FOR DETAILS.)

8. GC TO INSTALL BLACK 4" VINYL BASE ALONG THE PUBLIC FACING SIDE.

HOLLOW-METAL DOOR IN A HOLLOW-METAL FRAME IN THE TEMPORARY WALL TO ACCESS THE SPACE DURING CONSTRUCTION. DOOR TO SWING INTO THE TENANT SPACE. DOOR ASSEMBLY TO INCLUDE LOCKABLE ANSI GRADE-1 HARDWARE. IF A DOUBLE-DOOR ASSEMBLY IS USED, THE PASSIVE LEAF IS TO CONTAIN AUTOMATIC FLUSH BOLTS NOT EXPOSED TO THE PUBLIC SIDE.

10. GC TO INSTALL GRAPHIC WARP AT FULL HEIGHT OF THE DUST WALL.

(TYPICALLY PAINTS THAT ARE PROMOTED AS 'EASY CLEAN').

DRYWALL APPLICATIONS FOR ADDITIONAL DETAILS.

OTHER CONSTRUCTION PARTICULATES.

PAINTED DRYWALL IS NOT A WARRANTED APPLICATION. REFERENCE TA2500

PRIOR TO ADHESION, THOROUGHLY CLEAN WALL TO REMOVE DRYWALL DUST AND

CONTRACTOR TO DETERMINE PROPER

ANCHORING POINT FOR DUST WALL.

- GC TO PROVIDE 4" BLACK RUBBER

BASE, TYP.

11. GC TO PROTECT EXISTING AIRPORT COLUMN & FINISH; GC TO PROTECT DURING DEMOLITION AND CONSTRUCTION. WALL IS NOT TO BE FASTENED TO THE EXISTING COLUMN AND IS NOT TO DAMAGE THE EXISTING AIRPORT COLUMN.



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Contact: Christian Powers

SEALS AND SIGNATURES

Contact: Brian Fagan



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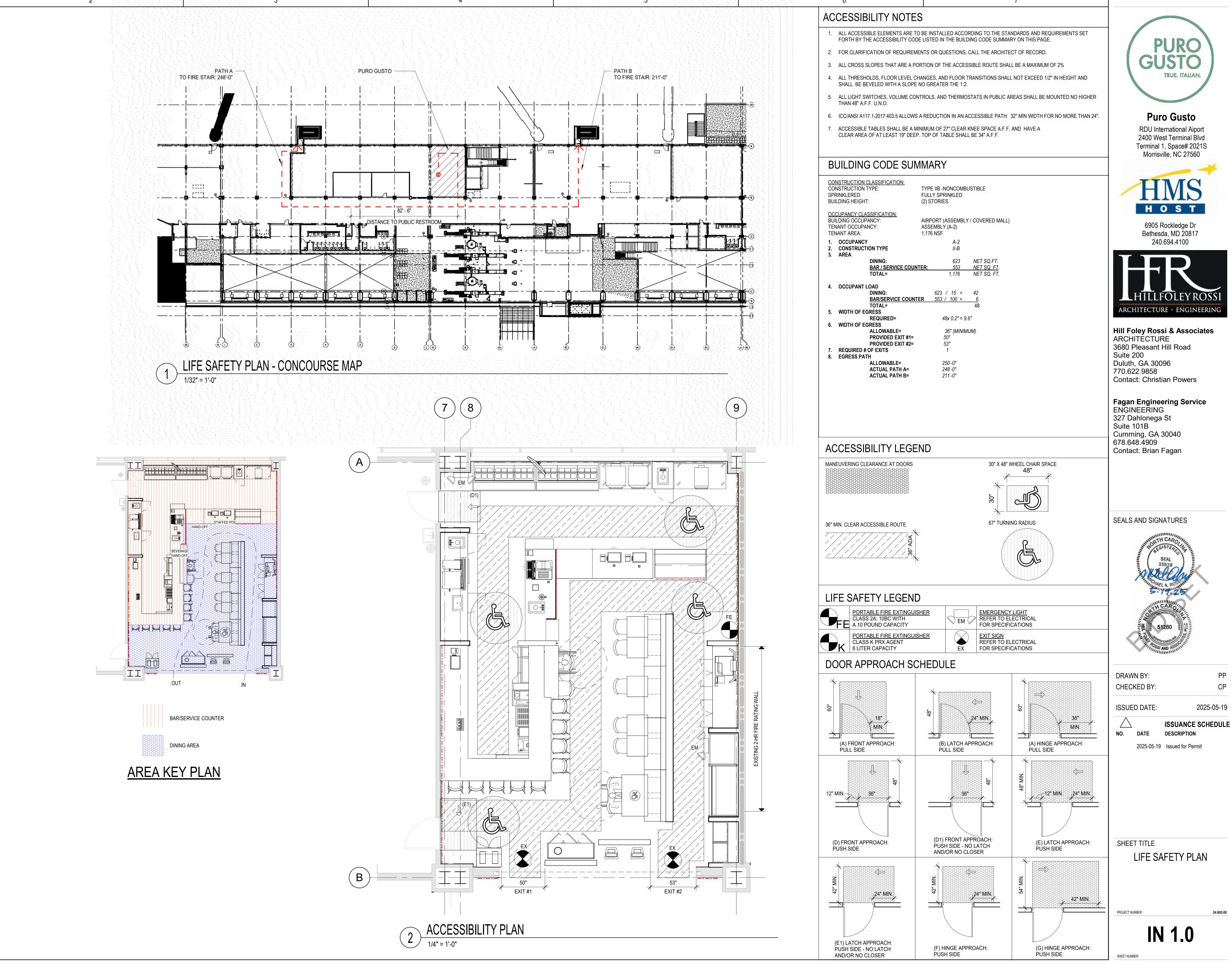
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SHEET TITLE **DEMOLITION PLANS**

PROJECT NUMBER:

SHEET NUMBER:



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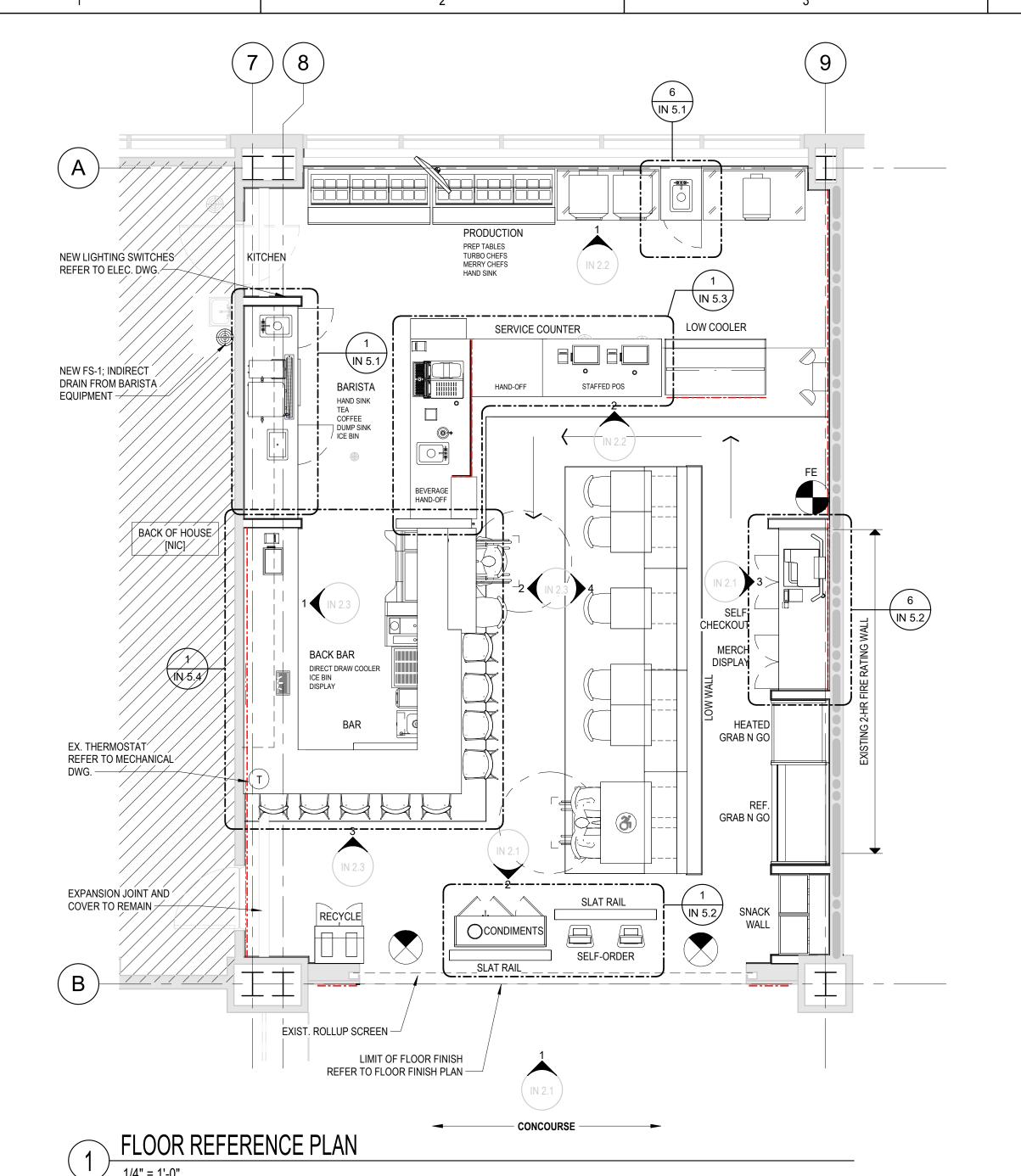




Hill Foley Rossi & Associates







BACK OF HOUSE

BACK O

FURNIFURE & GRAPHIC PLAN

FURNITURE KEY

REFER TO FURNITURE SCHEDULE FOR ADDITIONAL INFORMATION

Qty | ID | Description

Qty | ID | Descrip

7 C1 DINING CHAIR
9 C2 BAR STOOL
2 C3 DINING CHAIR

Furniture - 02 Tables

1 T1 ACCESSIBLE TABLE

5 T2 DINING TABLE
Furniture - 04 Casegoods
4 CG41 BANQUETTE

SEAT COUNT

CountLocationComments9Bar SeatingBar High Seating10Table Seating2 Top4Table Seating4-Top AccessibleTotal Seats: 23

ACCESSIBLE SEATING

INCLUDED IN TOTAL SEAT COUNT. MINIMUM 1 PER 20 TOTAL SEATS, ROUNDED UP.

CountLocationComments2Table Seating4-Top AccessibleSeats (included in total count): 2

GRAPHICS KEY

Refer to Individual Graphic Specifications for Details

G42 Print on Glass, Second Surface

QtyIDDescription1G11CHANNEL LIT SIGN1G22Cooler Front Panel Printed Applique1G234-color Print on Vinyl1G244-color Print on Vinyl1G25Graphic Wallcovering1G29Graphic Wallcovering at Bar4G31Printed Menu on Door Panel2G41Print on Glass, Second Surface

Continues across (3) sections of glass partition at the barista counter.

PURO GUSTO TRUE. ITALIAN.

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Terminal 1, Space# 2021S

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SHEET TITLE

FLOOR REFERENCE PLAN AND FURNITURE & GRAPHIC PLAN

PROJECT NUMBER:

IN 1.1

ET NUMBER:

GENERAL NOTES

COMBUSTIBLE.

- GENERAL CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BEFORE INSTALLING NEW MATERIALS AND FINISHES
- 2. GENERAL CONTRACTOR TO FIELD VERIFY EXISTING ELECTRICAL BEFORE COMMENCING CONSTRUCTION.
- 3. ALL PLYWOOD, PLYWOOD BACKING, PARTICLE BOARD, WOOD BLOCKING, AND WOOD FRAMING USED SHALL BE FIRE RETARDANT & STAMPED NON-
- 4. PLACE AND FINISH ALL NEW MATERIALS SO AS TO PROVIDE A SMOOTH & INTEGRALTRANSITION TO EXISTING FINISHES & MATERIALS.
- 5. GENERAL CONTRACTOR TO PROVIDE REQUIRED FIRE EXTINGUISHER(S) PER CODE -SEE ACCESSIBILITY PLAN ON SHEET A1.1
- 6. SEE ELECTRICAL SHEETS FOR ALL FIXTURE SPECIFICATIONS, WIRING, AND
- 7. PROVIDE BLOCKING REQUIRED FOR FOOD SERVICE EQUIPMENT, COORDINATE WITH FOOD SERVICE EQUIPMENT INSTALLER. BLOCKING IS TO BE 3/4" FIRE RETARDANT PLYWOOD.
- 8. CONTRACTOR SHALL COORDINATE WITH F.S.E. PROVIDER FOR EQUIPMENT INSTALLATION AND OTHER REQUIREMENTS.
- 9. GENERAL CONTRACTOR TO COORDINATE ALL NEW UNDERSLAB UTILITIES ROUTING WITH RDU MAINTENANCE TEAM PRIOR TO INSTALLATION.

WALL LEGEND

POWER REQUIREMENTS.

EXISTING WALLS TO REMAIN

NEW WALLS (SEE WALL TYPES SCHEDULE)

NEW KNEE WALLS (SEE WALL TYPES SCHEDULE)

RATED WALL LEGEND

1-HOUR FIRE RATING WALL

2-HOUR FIRE RATING WALL

PARTITION SCHEDULE

Wall Tag DESCRIPTION EXISTING WALL TO REMAIN; PROVIDE SHEATHING PER FINISH PLAN EXISTING HALF WALL TO REMAIN; PROVIDE SHEATHING PER FINISH PLAN 3-5/8" METAL STUDS, 16" O.C. TO 6" ABOVE CEILING; PROVIDE SHEATHING PER FINISH PLAN.

- 6" METAL STUDS, 16" O.C. TO 42" A.F.F.; PROVIDE SHEATHING PER FINISH PLAN.
 6" METAL STUDS, 16" O.C. TO 46.75" A.F.F.; PROVIDE SHEATHING PER FINISH PLAN.
- 3-5/8" METAL STUDS, 16" O.C. TO 34.5" A.F.F.; PROVIDE SHEATHING PER FINISH PLAN.
 3-5/8" METAL STUDS, 16" O.C. TO 47 5/8" A.F.F.; PROVIDE SHEATHING PER

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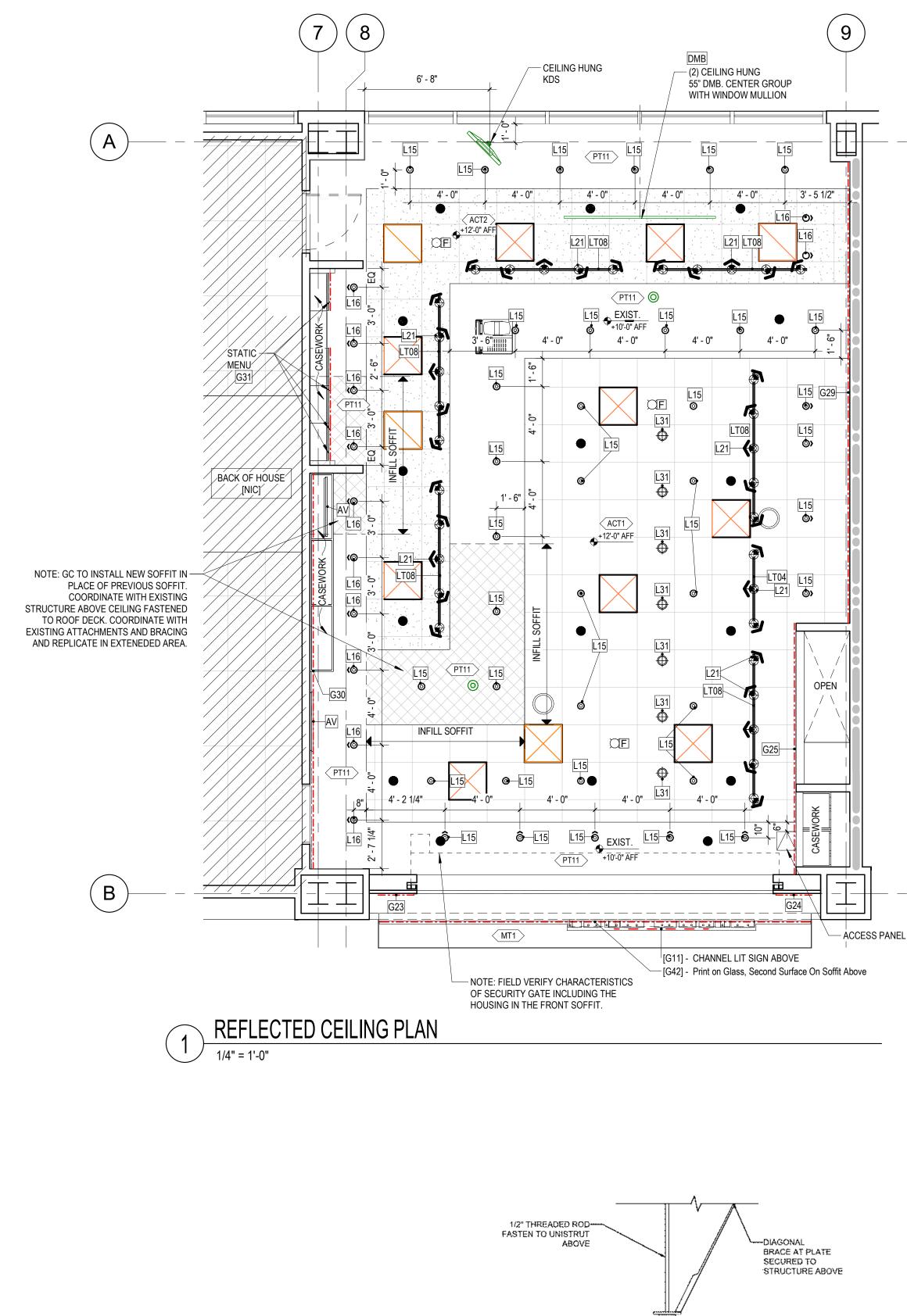
CONSTRUCTION FLOOR PLAN

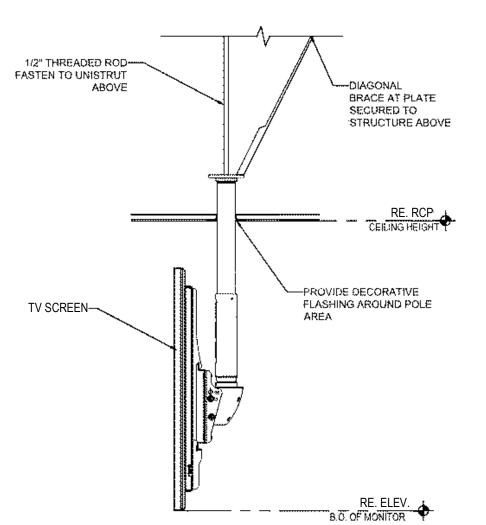
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IN 1.

SHEET NUMBER:

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2 CEILING DETAIL - TV MENU AND KDS MOUNT

1" = 1'-0"

LIGHTING KEY

REFER TO LIGHTING SCHEDULE FOR ADDITIONAL INFORMATION Qty ID Description Lighting - 01 Architectural

38 L15 3" Round Adjustable 12 L16 3" Round Wall Wash Lighting - 02 Track

33 L21 TRACKHEAD 1 LT04 1-Circuit Track - 4'-0" - White 6 LT08 1-Circuit Track - 8'-0" - White

Lighting - 03 Decorative 7 L31 Globe Pendant Lighting - 04 Millwork

2 L41 LED Tape

2 L42 45° CHANNEL FOR LED TAPE

FINISH KEY

REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION

ID Description ACT1 Ceiling Tile - 2X2 Acoustic - White ACT2 Ceiling Tile - 2X2 Washable - White Flooring - Existing - Quarry Tile FRP Fiber Reinforced Plastic - Black Pebble FT11 Tile - Porcelain - Wood Plank FT12 Tile - Porcelain - Square Pattern Mix FT13 Tile - Porcelain - Square Charcoal GL41 Glass - Laminated - Multi-Color MT1 Metal - Stainless Steel MT2 Powder Coat - Satin Brass MT3 Powder Coat - Dark Bronze

PL1 Laminate - Light Walnut PL3 Laminate - Dots PL6 Laminate - Formica Pumice PL7 Laminate - Formica White

PL8 Laminate - Metallic Mirror PT11 Paint - White - Satin PT12 Paint - Mint - Satin PT13 Paint - Blue - Satin (PT13E = Epoxy) PT14 Paint - Navy - Semigloss PT21 Paint - White - Enamel

PT31 Paint Prep for Applied Graphics SF1 Flooring - Safety Floor - Altro (SF1B = Integral Base) SS1 Slab - Quartz - White WB1 6" Stainless Cove Base WD1 Wood - Medium Veneer WD2 Wood - Maple - Natural

GRAPHICS KEY

Refer to Individual Graphic Specifications for Details

WT1 Tile - Ceramic - 3D White

WT2 Tile - Ceramic - 2x8 - Salmon/Pink

G11 CHANNEL LIT SIGN G22 Cooler Front Panel Printed Applique G23 4-color Print on Vinyl G24 4-color Print on Vinyl G25 Graphic Wallcovering

G29 Graphic Wallcovering G30 Graphic Wallcovering at Bar G31 Printed Menu on Door Panel G41 Print on Glass, Second Surface Continues across (3) sections of glass partition at the barista counter.

G42 Print on Glass, Second Surface

CEILING LEGEND

NEW HVAC SUPPLY DIFFUSER 2x2 LAY-IN ; COORDINATE WITH MECHANICAL DRAWING NEW HVAC RETURN GRILLE, 2x2 LAY-IN ; COORDINATE WITH MECHANICAL DRAWING

NEW EXIT SIGN

NEW EMERGENCY LIGHT SPEAKER

S NEW CEILING MOUNTED FIRE ALARM, REFER TO FIRE PROTECTION DRAWING

NEW SPRINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS DIGITAL MENU BOARDS / TV

360 CAMERA TRUE. ITALIAN.

Puro Gusto

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SHEET TITLE

REFLECTED CEILING PLAN

PROJECT NUMBER:

SHEET KEYNOTES

GC TO PROVIDE STAINLESS STEEL WALL CAP FROM BASE TO 4'-0"

1 A.F.F AT FULL WALL; FROM BASE TO UNDERNEATH COUNTERTOP
AT KNEE WALL

2 GC TO PROVIDE STAINLESS STEEL WALL CORNER GUARD FROM BASE TO 4'-0" A.F.F

GC TO LEVEL THE FLOOR WITH SELF-LEVELING COMPUND; ARDEX OR EQUAL; PRIOR TO NEW TILE INSTALLATION TO PROVIDE FLUSH TRASITION BETWEEN AIRPORT'S FLOOR FINIAH AND NEW

FLOOR TILE

GC TO PROVIDE 3'-0" x 3'-0" WATER PROOFING MEMBRANE AT EACH FLOOR PENETRATION, TYP. REFER TO FINISH DETAIL FOR PENETRATION DETAIL; REFER TO PLUMBING DRAWING FOR EXACT DRAIN LOCATION. GC TO SLOPE PROTECT-ALL TO DRAIN INTO FLOOR SINK AND FLOOR DRAIN, DO NOT SLOPE MORE THAN

1/4" PER FOOT.

GC TO PROVIDE SCHLUTER DITRA UNCOUPLING MEMBRANE UNDER FLOOR TILE; INSTALL PER MANUF. RECOMMENDATION

GC TO PROVIDE ADA COMPLIANT TRANSITION BETWEEN SAFETY FLOOR AND FLOOR TILE; RE: INTERIOR DETAILS

GC TO PROVIDE FLUSH TRANSITION BETWEEN AIRPORT'S FINISH

AND AND TENANT'S FLOOR TILE; RE: INTERIOR DETAILS

GC TO PATCH AND REPAIR EXISTING QUARRY TILE TO MATCH

8 EXISTING AT THE NEW FLOOR SINK LOCATION. PROVIDE 3'x3'
WATERPROOFING MEMBRANE AT THE PENETRATION

SHEATHING SCHEDULE

SHEATHING SET	DESCRIPTION
В	(1) LAYER 5/8" CEMENT BOARD FROM FLOOR TO 12" A.F.F. AND (1) LAYER 5/8" FRT PLYWOOD FROM 12" A.F.F TO CEILING OR TO TOP OF WALL
С	(1) LAYER 5/8" CEMENT BOARD FROM FLOOR TO CEILING OR TO TOP OF WALL
D	(1) LAYER 5/8" CEMENT BOARD FROM FLOOR TO 12" A.F.F. AND (1) LAYER 5/8" GYPSUM BOARD FROM12" A.F.F TO CEILING OR TO TOP OF WALL
E	OVER (1) LAYER OF 5/8" FRT PLYWOOD FROM FLOOR TO TOP OF WALL; (1) LAYER 5/8" CEMENT BOARD FROM 6" A.F.F TO UNDERNEATH COUNTERTOP; REFER TO MILLWORK DETAILS
F	(1) LAYER 5/8" CEMENT BOARD FROM FLOOR TO 12" A.F.F. AND (1) LAYER 5/8" MOISTURE RESISTANCE GYPSUM BOARD FROM 12" A.F.F TO CEILING OR TO TOP OF WALL

FINISH KEY

ID Description

ACT1 Ceiling Tile - 2X2 Acoustic - White
ACT2 Ceiling Tile - 2X2 Washable - White

FRP Flooring - Existing - Quarry Tile
FRP Fiber Reinforced Plastic - Black Pebble

FT11 Tile - Porcelain - Wood Plank
FT12 Tile - Porcelain - Square Pattern Mix
FT13 Tile - Porcelain - Square Charcoal
GL41 Glass - Laminated - Multi-Color
MT1 Metal - Stainless Steel
MT2 Powder Coat - Satin Brass
MT3 Powder Coat - Dark Bronze
PL1 Laminate - Light Walnut
PL3 Laminate - Dots

PL6 Laminate - Formica Pumice
PL7 Laminate - Formica White

PL8 Laminate - Metallic Mirror

PT14 Paint - Navy - Semigloss
PT21 Paint - White - Enamel

SS1 Slab - Quartz - White
WB1 6" Stainless Cove Base
WD1 Wood - Medium Veneer
WD2 Wood - Maple - Natural
WT1 Tile - Ceramic - 3D White
WT2 Tile - Ceramic - 2x8 - Salmon/Pink

PT31 Paint Prep for Applied Graphics

PT13 Paint - Blue - Satin (PT13E = Epoxy)

SF1 Flooring - Safety Floor - Altro (SF1B = Integral Base)

PT11 Paint - White - Satin
PT12 Paint - Mint - Satin

REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION



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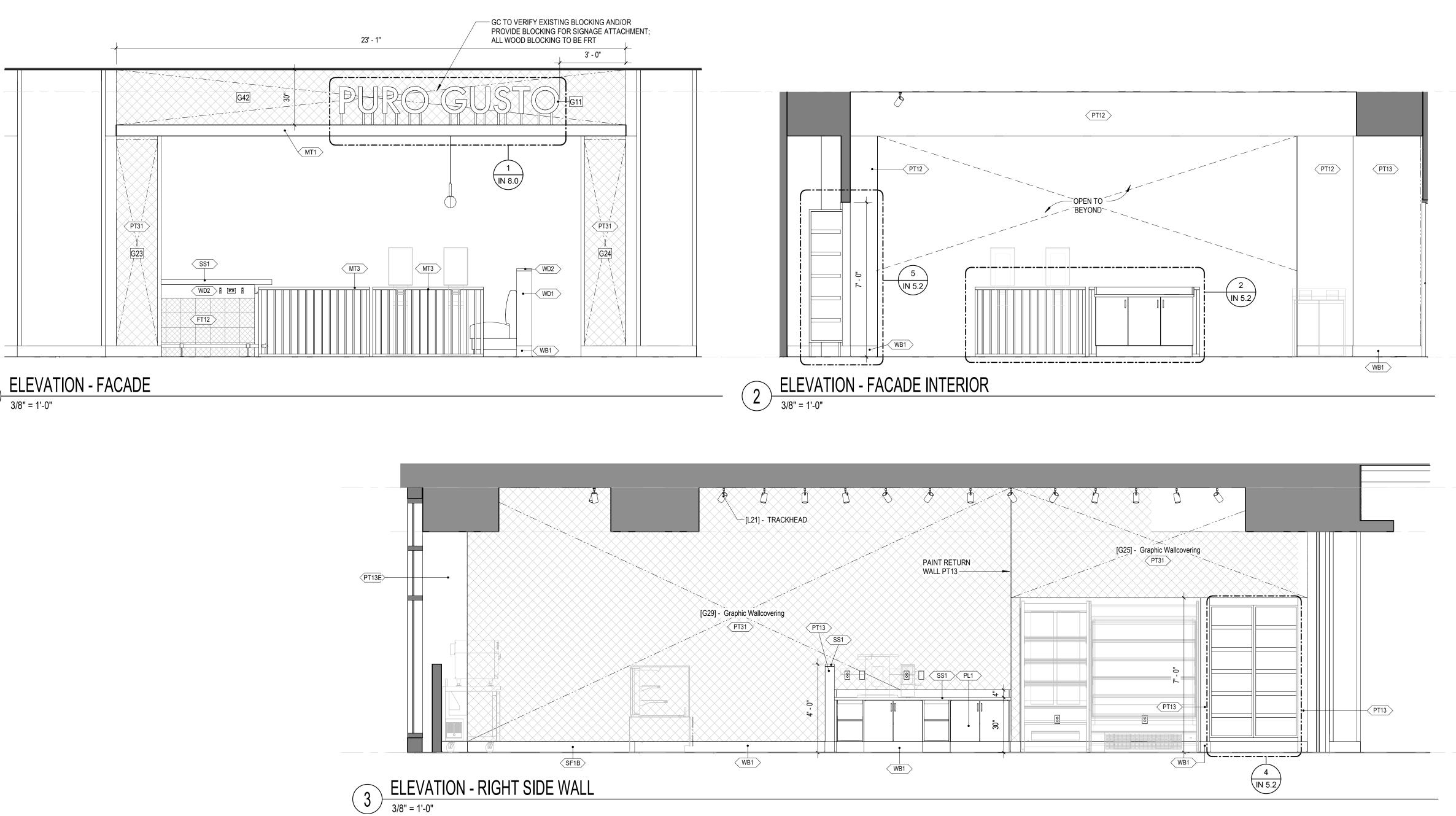
FINISH PLAN

PROJECT NUMBER:

IN 1.4

SHEET NUMBER:

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FINISH KEY REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION ID Description ACT1 Ceiling Tile - 2X2 Acoustic - White
ACT2 Ceiling Tile - 2X2 Washable - White EF1 Flooring - Existing - Quarry Tile
FRP Fiber Reinforced Plastic - Black Pebble FT11 Tile - Porcelain - Wood Plank FT12 Tile - Porcelain - Square Pattern Mix FT13 Tile - Porcelain - Square Charcoal GL41 Glass - Laminated - Multi-Color MT1 Metal - Stainless Steel MT2 Powder Coat - Satin Brass MT3 Powder Coat - Dark Bronze PL1 Laminate - Light Walnut PL3 Laminate - Dots PL6 Laminate - Formica Pumice PL7 Laminate - Formica White PL8 Laminate - Metallic Mirror PT11 Paint - White - Satin PT12 Paint - Mint - Satin PT13 Paint - Blue - Satin (PT13E = Epoxy) PT14 Paint - Navy - Semigloss PT21 Paint - White - Enamel PT31 Paint Prep for Applied Graphics

SF1 Flooring - Safety Floor - Altro (SF1B = Integral Base)

SS1 Slab - Quartz - White
WB1 6" Stainless Cove Base

WD1 Wood - Medium Veneer

WD2 Wood - Maple - Natural WT1 Tile - Ceramic - 3D White WT2 Tile - Ceramic - 2x8 - Salmon/Pink



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ELEVATIONS

PROJECT NUMBER:

IN 2.1

PT12 [L21] - TRACKHEAD WT2 3 IN 5.3 IN 5.1 MT1

ELEVATION - SERVICE COUNTER

FINISH KEY

REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION ID Description

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MT1 Metal - Stainless Steel MT2 Powder Coat - Satin Brass MT3 Powder Coat - Dark Bronze PL1 Laminate - Light Walnut PL3 Laminate - Dots PL6 Laminate - Formica Pumice

PL7 Laminate - Formica White
PL8 Laminate - Metallic Mirror PT11 Paint - White - Satin PT12 Paint - Mint - Satin PT13 Paint - Blue - Satin (PT13E = Epoxy) PT14 Paint - Navy - Semigloss PT21 Paint - White - Enamel PT31 Paint Prep for Applied Graphics SF1 Flooring - Safety Floor - Altro (SF1B = Integral Base)

SS1 Slab - Quartz - White
WB1 6" Stainless Cove Base WD1 Wood - Medium Veneer WD2 Wood - Maple - Natural WT1 Tile - Ceramic - 3D White WT2 Tile - Ceramic - 2x8 - Salmon/Pink TRUE. ITALIAN.

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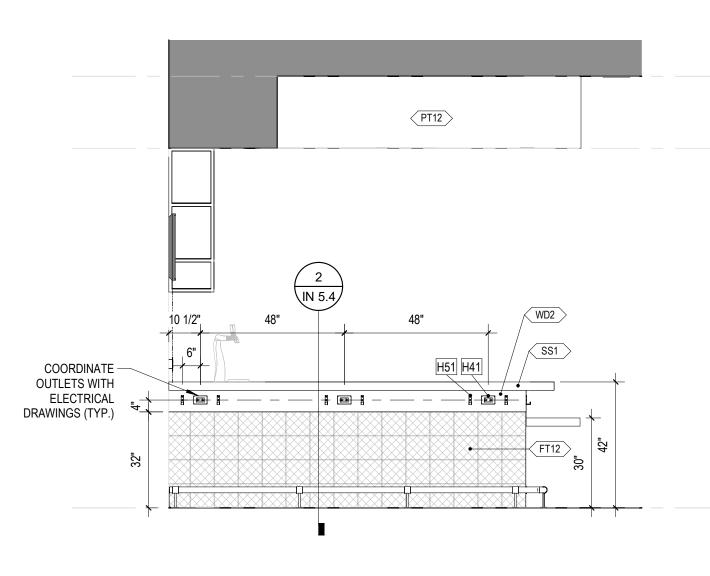
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ELEVATIONS

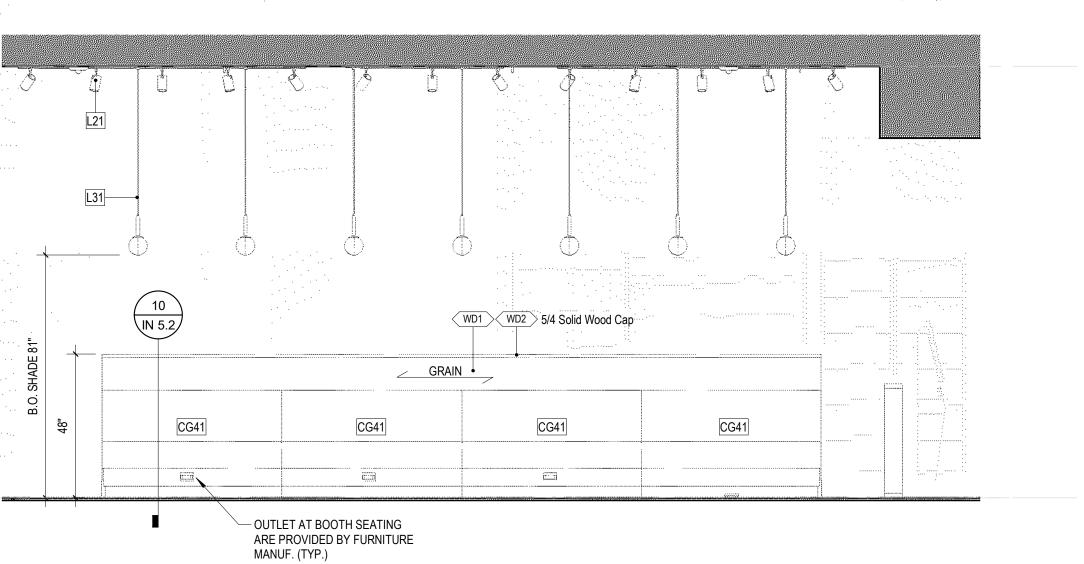
IN 2.2

PT12 $\left(\begin{array}{c} 2\\ \text{IN 5.4} \end{array}\right)$ IN 5.3 COORDINATE -**OUTLETS WITH** ELECTRICAL DRAWINGS (TYP.)

ELEVATION - BAR AND BARISTA



ELEVATION - BAR



ELEVATION - SEATING AREA

FINISH KEY

REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION ID Description ACT1 Ceiling Tile - 2X2 Acoustic - White

ACT2 Ceiling Tile - 2X2 Washable - White Flooring - Existing - Quarry Tile FRP Fiber Reinforced Plastic - Black Pebble FT11 Tile - Porcelain - Wood Plank FT12 Tile - Porcelain - Square Pattern Mix

FT13 Tile - Porcelain - Square Charcoal GL41 Glass - Laminated - Multi-Color MT1 Metal - Stainless Steel

PL6 Laminate - Formica Pumice

PL7 Laminate - Formica White

MT2 Powder Coat - Satin Brass MT3 Powder Coat - Dark Bronze PL1 Laminate - Light Walnut PL3 Laminate - Dots

PL8 Laminate - Metallic Mirror PT11 Paint - White - Satin PT12 Paint - Mint - Satin PT13 Paint - Blue - Satin (PT13E = Epoxy) PT14 Paint - Navy - Semigloss

PT21 Paint - White - Enamel PT31 Paint Prep for Applied Graphics Flooring - Safety Floor - Altro (SF1B = Integral Base) SS1 Slab - Quartz - White

WB1 6" Stainless Cove Base WD1 Wood - Medium Veneer WD2 Wood - Maple - Natural WT1 Tile - Ceramic - 3D White WT2 Tile - Ceramic - 2x8 - Salmon/Pink TRUE. ITALIAN.

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ISSUANCE SCHEDULE DESCRIPTION

2025-05-19

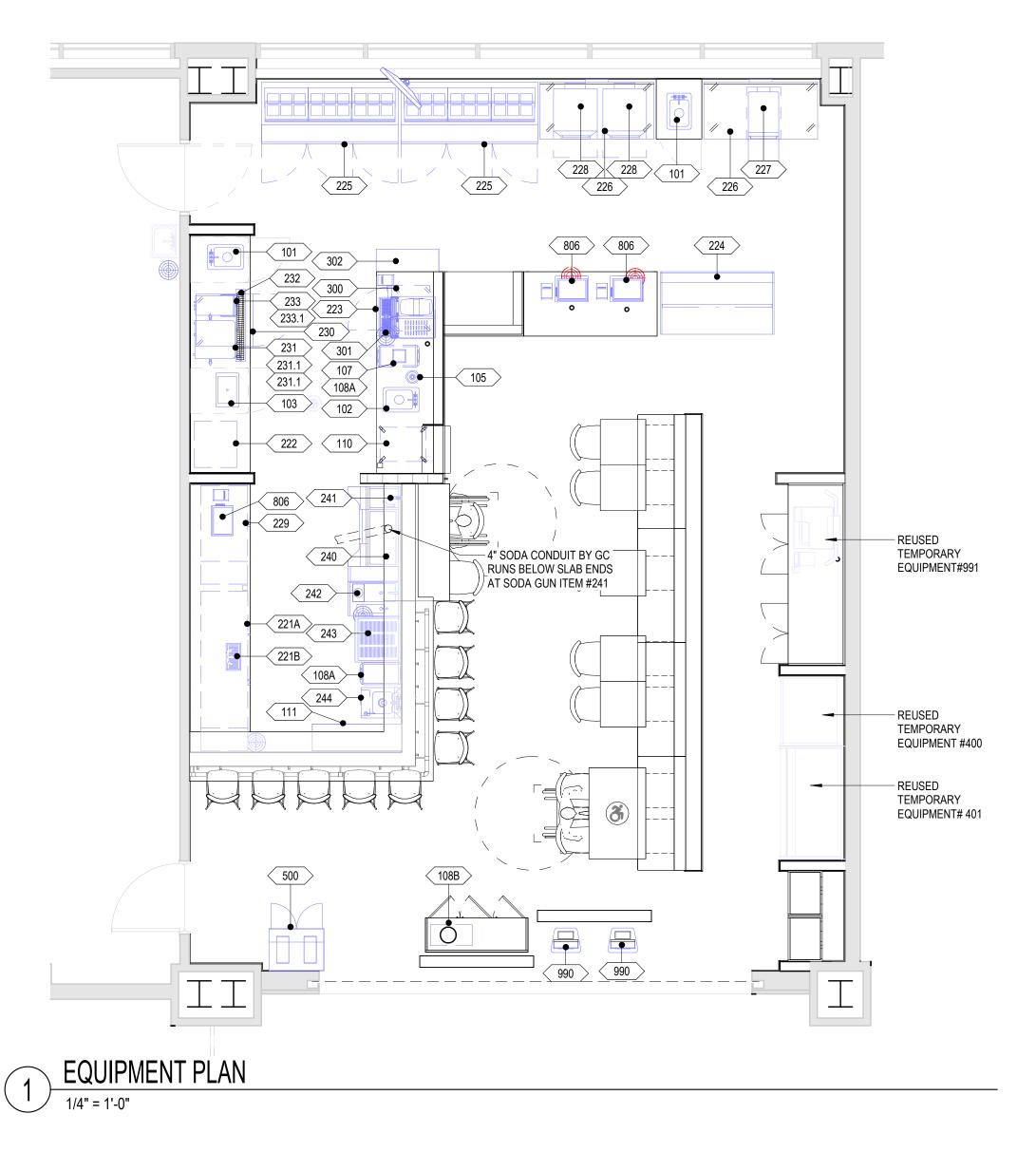
2025-05-19 Issued for Permit

SHEET TITLE

ELEVATIONS

PROJECT NUMBER:

IN 2.3



401 400 6' - 0" MOBILE COUNTER PROVIDED
BY HMS HOST; SIZE FOR
REFERENCE PURPOSE ONLY

2 TEMPORARY EQUIPMENT PLAN

1/2" = 1'-0"

EQUI	PMEN	NT SCHEDULE					
ITEM #	QTY.	ITEM DESCRIPTION	MANUFACTURER	MODEL / PART NUMBER	SUPPLIED BY	INSTALLED BY	REMARKS
101	2	DROP-IN HANDSINK W/ FAUCET	JOHN BOO'S	PB-DISINK101405-P-SSLR	KEC	KEC	PROVIDE WITH SIDE SPLASH GUARDS, FINAL PLUMBING HOOKUP BY GC
102	1	DROP-IN DUMP SINK W/ FAUCET	JOHN BOO'S	PB-DISINK101410-P-SSLR	KEC	KEC	PROVIDE WITH SIDE SPLASH GUARDS, FINAL PLUMBING HOOKUP BY GC
103	1	DROP-IN ICE BIN	JOHN BOO'S	PB-DIIB1218	KEC	KEC	
105	1	DIPPER WELL	FISHER	3041	KEC	KEC	FINAL PLUMBING HOOKUP BY GC
107	1	TRASH CHUTE	FABRICATOR	N/A	KEC	KEC	COORDINATE WITH GC AND MILLWORK PACKAGE
108A	2	TRASH CAN 30 GAL	RUBBERMAID	FG354060BLA	OWNER	OWNER	
108B	1	TRASH CAN 16 GAL	RUBBERMAID	1955959	OWNER	OWNER	
110	1	UNDER WIRE SHELF	QUANTUM	(2) OF1824S WITH (4) OF 14S	KEC	KEC	
111	1	UNDERBAR STAINLESS STEEL SOLID	QUANTUM	(3) OF 1448SS WITH (4) OF 34S	KEC	KEC	
221A	1	84" BAR REFRIGERATOR	PERLICK	BBS84	KEC	KEC	SILVER COLOR FRAME
221B	1	DISPENSER KIT	PERLICK	69526-4P	KEC	KEC	POLISHED CHORME FINISH
222	1	DISH MACHINE	ECOLAB	U-LT	OWNER	GC	GC TO COORDINATE PICK-UP, PLUMBING CONNECTION BY GC
223	1	UNDERCOUNTER REFRIGERATOR	TURBO AIR	MUR-24S-N6	KEC	KEC	2.5" CASTERS
224	1	BAKERY CASE - 3 LEVELS	STRUCTURAL CONCEPTS	NR6047RSV	KEC	KEC	BLACK COLOR FRAME
225	2	SANDWICH MAKE TABLE - 6'	DELFIELD	4472NP-18M	KEC	KEC	5" CASTERS
226	2	WORKTOP REFRIGERATOR	DELFIELD	ST4460NP	KEC	KEC	5" CASTERS
227	1	RAPID COOK	TURBO CHEF	ECO EL BANDIDO	KEC	KEC	STAINLESS STEEL FINISH
228	2	MICROWAVE OVEN	MERRYCHEF	EIKON E4	KEC	KEC	
229	1	UC BACK BAR COOLER 2 GLASS DOORS	PERLICK	BBSN-52	KEC	KEC	
230	1	REFRIGERATOR, UNDERCOUNTER, REACH-IN	TURBO AIR	MUR-28-N	KEC	KEC	2.5" CASTERS
231	1	COFFEE MACHINE	BUNN	53400.0101	KEC	KEC	FINAL PLUMBING HOOKUP BY GC
231.1	2	COFFEE DISPENSER	BUNN	44000.0200	KEC	KEC	
232	1	URN TROUGH	FABRICATOR	N/A	KEC	KEC	COORDINATE WITH GC AND MILLWORK PACKAGE
233	1	TEA BREWER	BUNN	36700.0013	KEC	KEC	FINAL PLUMBING HOOKUP BY GC
233.1	1	TEA DISPENSER	BUNN	39600.0001	KEC	KEC	
240	1	DRINK RAIL	FABRICATOR	N/A	KEC	KEC	COORDINATE WITH GC AND MILLWORK PACKAGE
241	1	SODA GUN AND CARBONATOR	BY OWNER	TBD	OWNER	KEC	NEW SODA GUN TO BE COORDINATED WITH BEVERAGE/DRINK PROVIDER, EXISTING BAG N BOX AND CARBONATOR TO BE REUSED; COORDINATE WITH OWNER
242	1	68" COCKTAIL STATION-TOBIN ELLIS	PERLICK	PTE68-B-WF	KEC	KEC	FINAL PLUMBING HOOKUP BY GC
243	1	UNDERBAR DRAINBOARD 24"	PERLICK	TSF24CF-GR	KEC	KEC	
244	1	UNDERBAR HAND SINK	PERLICK	TSF18HS	KEC	KEC	FAUCET TO BE INCLUDED, COORDINATE WITH MANUF.; FINAL PLUMBING HOOKUP BY GC
300	1	ESPRESSO CAPPUCCINO MACHINE	EVERSYS	E4S/CLASSIC TEMPEST (STANDARD)	KEC	KEC	FINAL PLUMBING HOOKUP BY GC
301	1	DRIP PAN W/ RINSER	PERLICK	6025-GRC	KEC	KEC	FINAL PLUMBING HOOKUP BY GC
302	1	MOBILE CUP DISPENSER, (4) DISPENSER	DISPENSER-RITE	MCDC-SLRAX1	KEC	KEC	
400	1	HEATED SELF SERVICE DISPLAY CASE	STRUCTURAL CONCEPTS	B3632H	KEC	KEC	BLACK COLOR FRAME
401	1	BACK 4-SHELF AIR CURTAIN MERCHANDISER	STRUCTURAL CONCEPTS	B57R	KEC	KEC	BLACK COLOR FRAME
500	1	RECYCLING RECEPTACLE	BUSCH SYSTEMS	WBB2375412 / ARISTATA DOUBLE XL	OWNER	OWNER	OWNER TO PROVIDE
806	3	POS	BY OWNER	TBD	OWNER	OWNER	GC TO PROVIDE CONDUIT & POWER. HMS HOST TO PROVIDE POS EQUIPMENT AND PROVIDE FINAL HOOKUP. REFER TO AV/LOW VOLTAGE PLAN
990	2	SELF-ORDER KIOSK	BY OWNER	TBD	OWNER	OWNER	GC TO PROVIDE CONDUIT & POWER. HMS HOST TO PROVIDE POS EQUIPMENT AND PROVIDE FINAL HOOKUP. REFER TO AV/LOW VOLTAGE PLAN
991	1	SELF-CHECK OUT	MASHGIN	TBD	OWNER	OWNER	GC TO PROVIDE CONDUIT & POWER. HMS HOST TO PROVIDE POS EQUIPMENT AND PROVIDE FINAL



Puro Gusto RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S



6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



Hill Foley Rossi & Associates
ARCHITECTURE
3680 Pleasant Hill Road Suite 200 Duluth, GA 30096 770.622.9858 Contact: Christian Powers

Fagan Engineering Service ENGINEERING 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan

SEALS AND SIGNATURES



DRAWN BY: CHECKED BY:

HOOKUP. REFER TO AV/LOW VOLTAGE PLAN

ISSUED DATE:

ISSUANCE SCHEDULE NO. DATE DESCRIPTION

2025-05-19

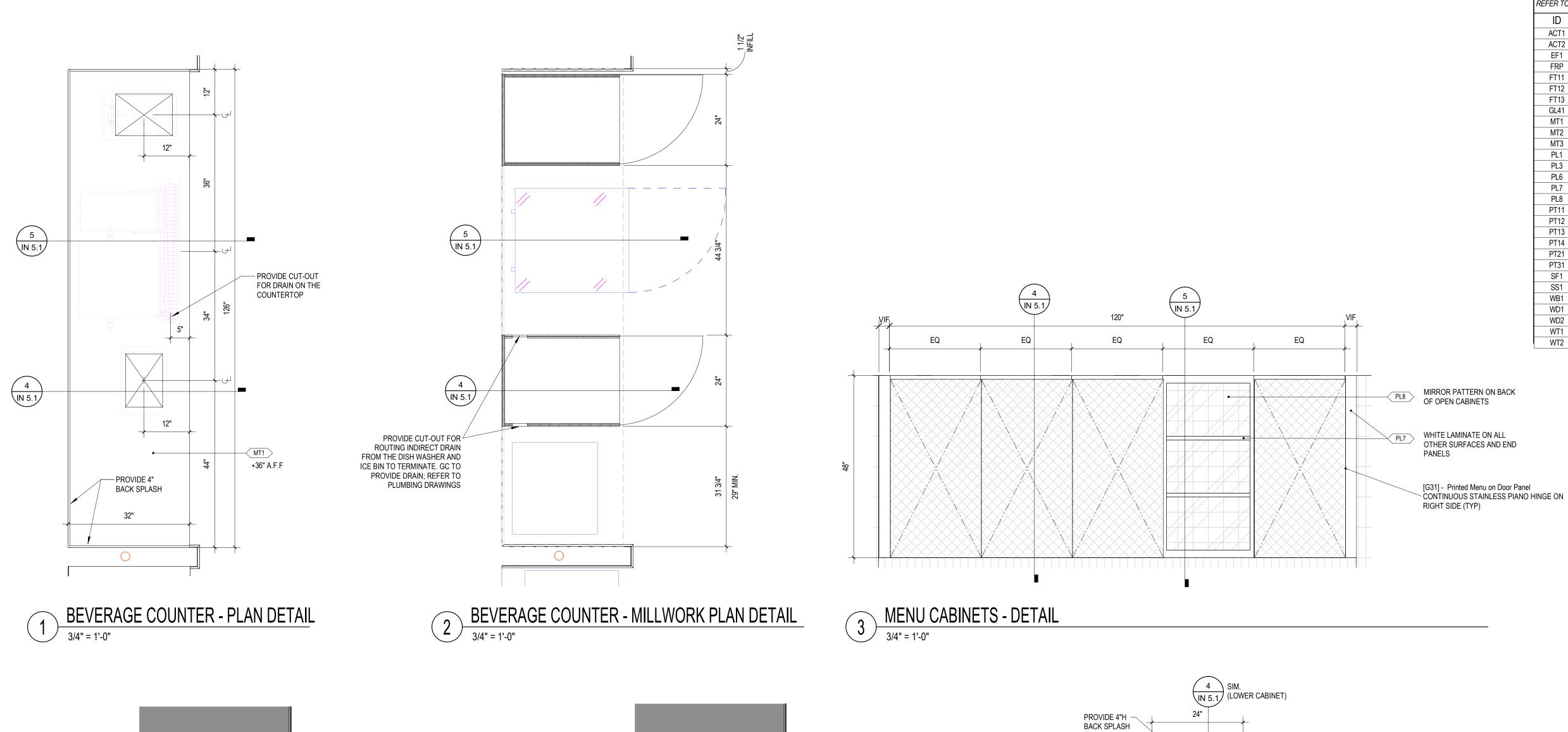
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SHEET TITLE

EQUIPMENT PLAN

PROJECT NUMBER:

IN 3.0



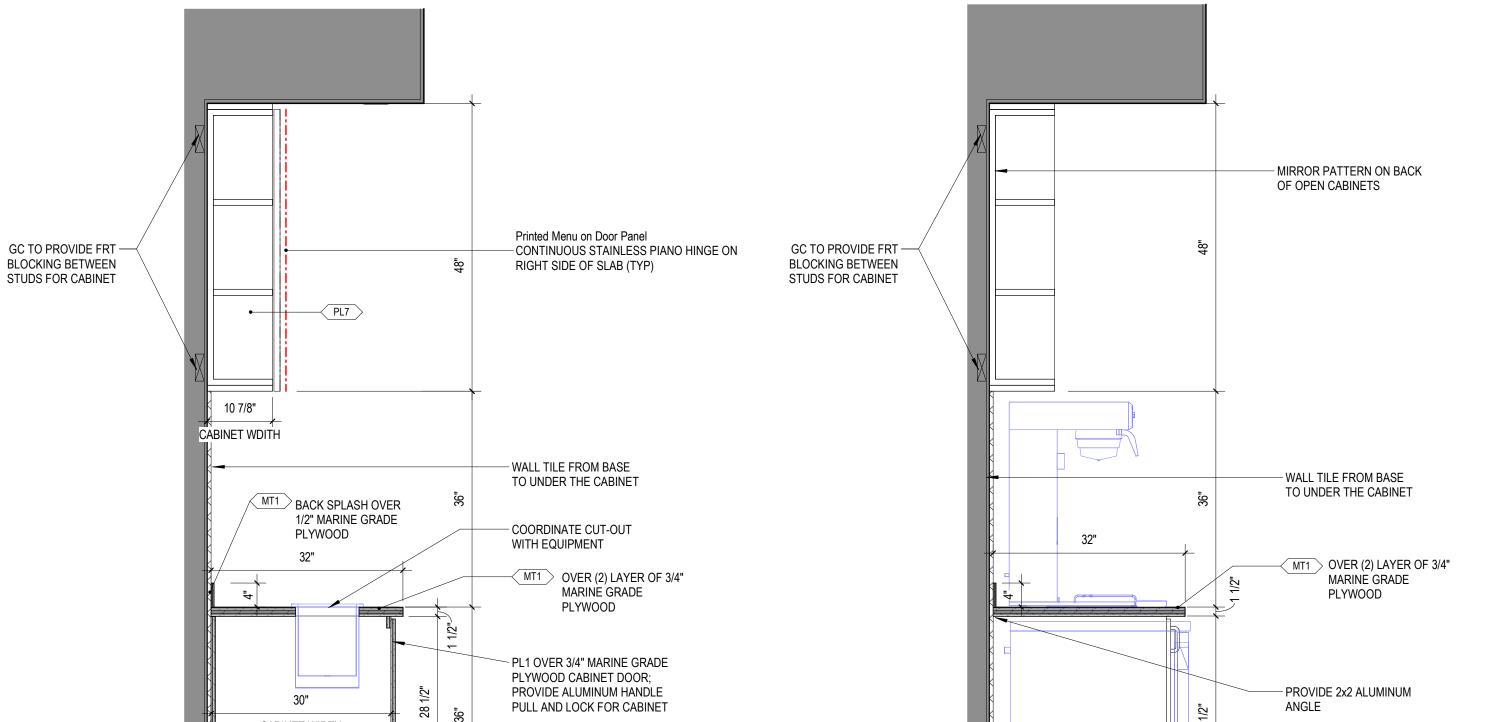
PL1 OVER 3/4" MARINE

GRADE PLYWOOD CABINET

- WB1 OVER 3/4" MARINE GRADE

PLYWOOD REMOVABLE PLINTH

BARISTA MILLWORK- DETAIL SECTION



PL6 OVER 3/4" MARINE

GRADE PLYWOOD ON THE

CABINET WIDTH

MENU CABINETS & BARISTA MILLWORK - DETAIL SECTION

3/4" = 1'-0"



EQ

+36" A.F.F



FINISH KEY

ID Description

ACT1 Ceiling Tile - 2X2 Acoustic - White ACT2 Ceiling Tile - 2X2 Washable - White EF1 Flooring - Existing - Quarry Tile FRP Fiber Reinforced Plastic - Black Pebble

FT11 Tile - Porcelain - Wood Plank FT12 Tile - Porcelain - Square Pattern Mix FT13 Tile - Porcelain - Square Charcoal GL41 Glass - Laminated - Multi-Color MT1 Metal - Stainless Steel

MT2 Powder Coat - Satin Brass MT3 Powder Coat - Dark Bronze

PL6 Laminate - Formica Pumice

PL7 Laminate - Formica White PL8 Laminate - Metallic Mirror PT11 Paint - White - Satin PT12 Paint - Mint - Satin

PT14 Paint - Navy - Semigloss

PT21 Paint - White - Enamel

SS1 Slab - Quartz - White

WB1 6" Stainless Cove Base

WD1 Wood - Medium Veneer

WD2 Wood - Maple - Natural

WT1

Tile - Ceramic - 3D White

WT2 Tile - Ceramic - 2x8 - Salmon/Pink

PL3 Laminate - Dots

Laminate - Light Walnut

PT13 Paint - Blue - Satin (PT13E = Epoxy)

PT31 Paint Prep for Applied Graphics

SF1 Flooring - Safety Floor - Altro (SF1B = Integral Base)

REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION

Terminal 1, Space# 2021S Morrisville, NC 27560



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DRAWN BY CHECKED BY:

ISSUED DATE:

NO. DATE

ISSUANCE SCHEDULE DESCRIPTION

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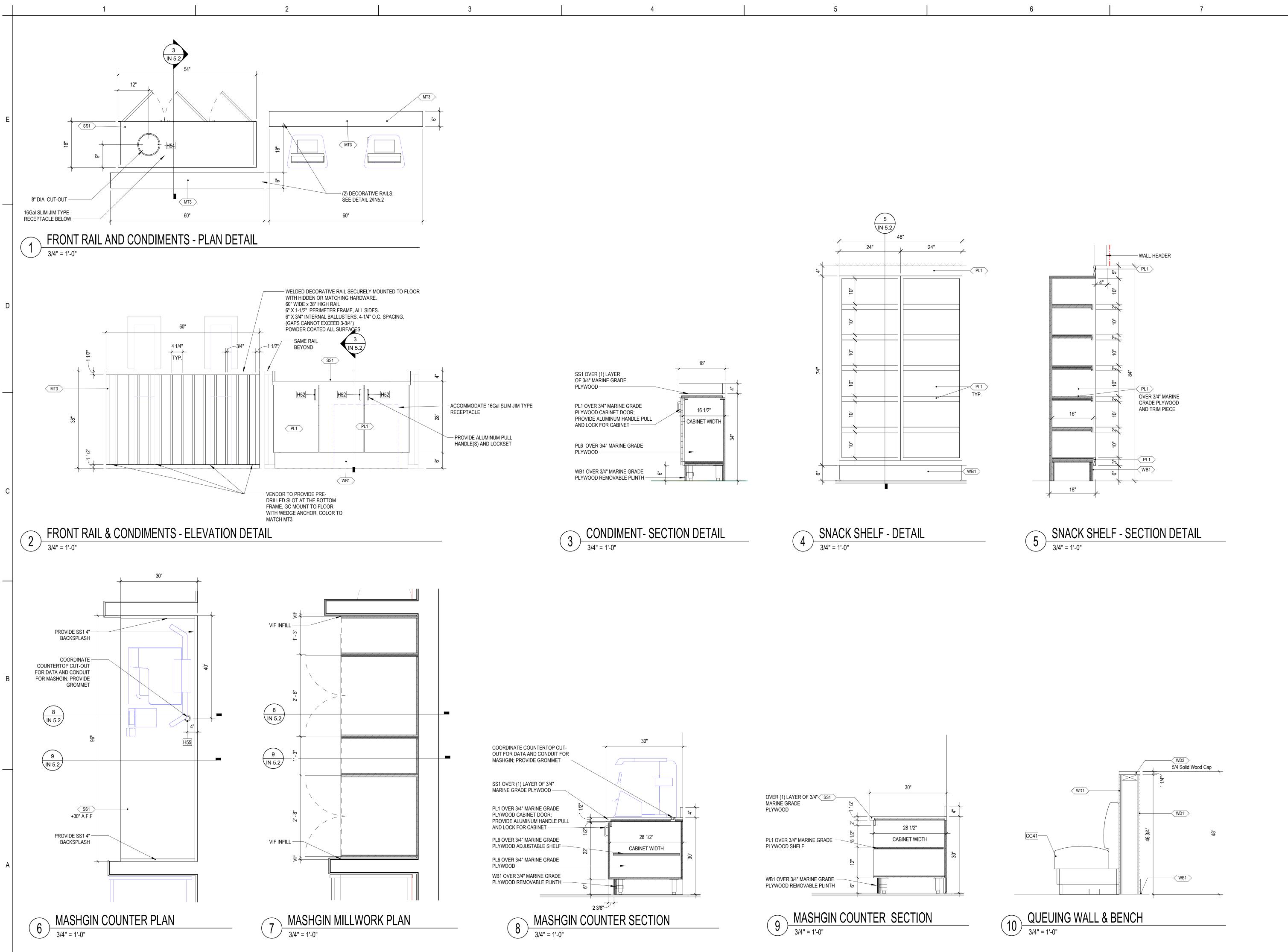
SHEET TITLE

MILLWORK DETAILS

PROJECT NUMBER:

IN 5.1

SHEET NUMBER:



PURO GUSTO TRUE. ITALIAN.

Puro Gusto
RDU International Aiport
2400 West Terminal Blvd

Terminal 1, Space# 2021S Morrisville, NC 27560



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ISSUED DATE:

NO. DATE

ISSUANCE SCHEDULE
DESCRIPTION

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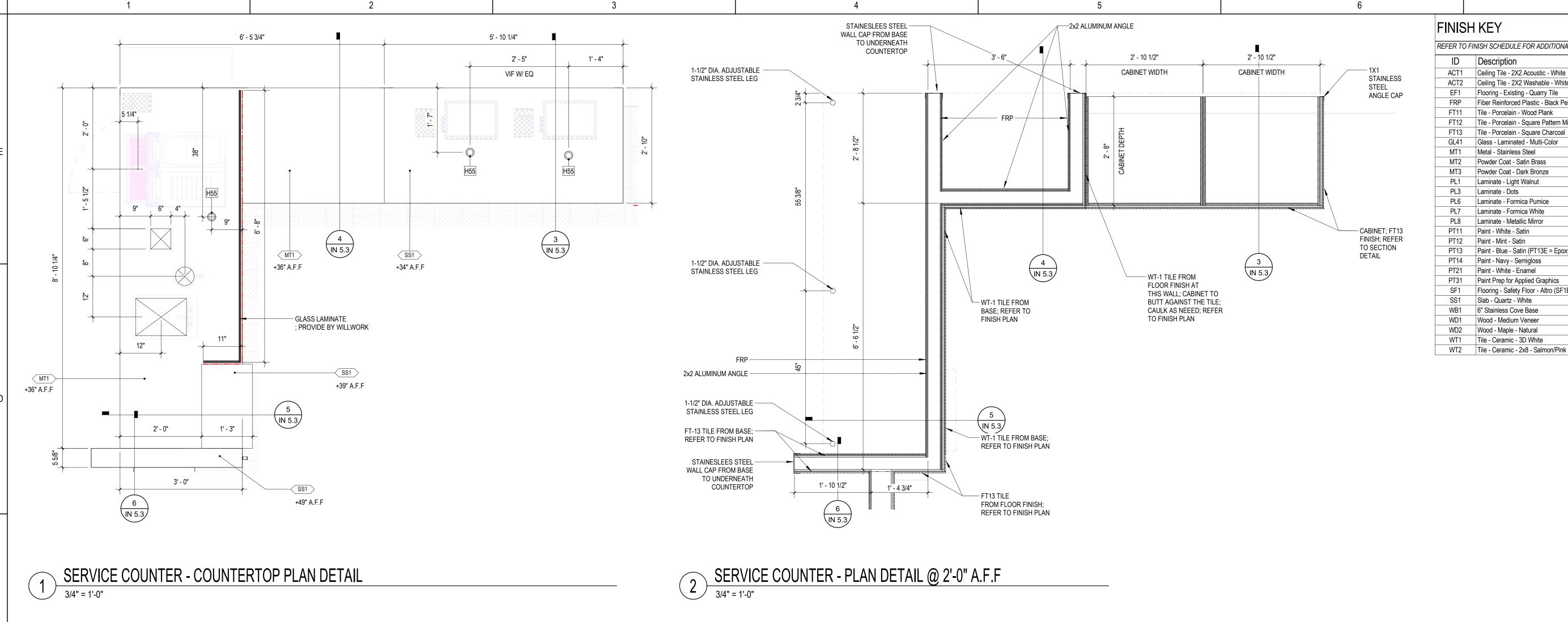
SHEET TITLE

MILLWORK DETAILS

PROJECT NUMBER:

IN 5.2

EET NUMBER:



BAR DIVIDER

COFFEE

HAND OFF

BARISTA STATION

SS1 FT13 SS1 MT1 GL41 WT1 MT1 WB1

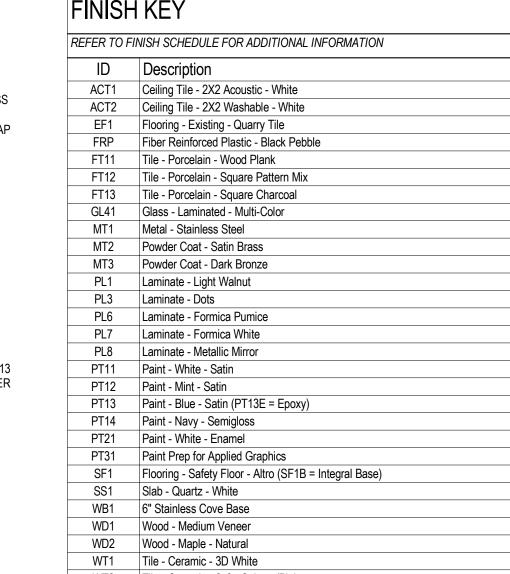
SERVICE COUNTER ISOMETRIC

HAND OFF POS COUNTER

- COORDINATE PLACEMENT OF GROMMETS FOR POWER AND SUPPLY TUBES

WITH EQUIPMENT

SPECIFICATIONS



TRUE. ITALIAN.

Puro Gusto RDU International Aiport

2400 West Terminal Blvd

Terminal 1, Space# 2021S

Morrisville, NC 27560

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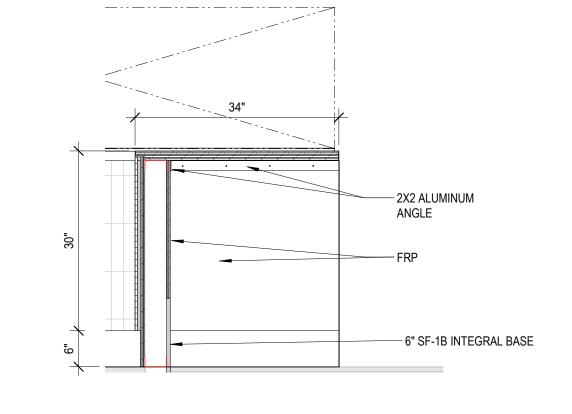
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SHEET TITLE

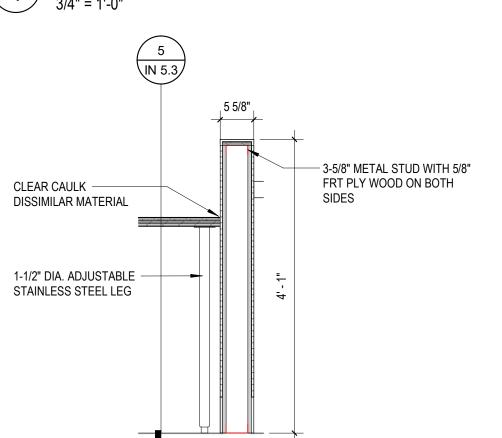
MILLWORK DETAILS

PROJECT NUMBER:

IN 5.3



POS HAND OFF - SECTION DETAIL



BARISTA & BAR - PARTITION SECTION DETAIL

IN 5.3 —STAINLESS WORKTOP -2CM SOLID SURFACE - 3-5/8" METAL STUD WITH 5/8" 2x2 ALUMINUM ANGLE -FRT PLY WOOD ON BOTH 1-1/2" DIA. ADJUSTABLE STAINLESS STEEL LEG 6" SF-1B INTEGRAL BASE -9mm TILE OVER 5/8" CEMENT BD

- PL6 OVER 3/4"

PLYWOOD

MARINE GRADE

ADJUSTABLE SHELF

COORD PLACEMENT OF GROMMET(S) W/ EQUIPMENT REQUIREMENTS

BLACK 1/4" REVEAL TO TILE BELOW.

9mm TILE OVER 5/8" CEMENT BD-

MARINE GRADE PLYWOOD

REMOVABLE PLINTH-

2CM SOLID SURFACE

WB1 OVER 3/4"

6" ADJ LEG-

BARISTA COFFEE HAND OFF - SECTION DETAIL

SERVICE SIDE

INTERNAL SUPPORT -

6" METAL STUDS -

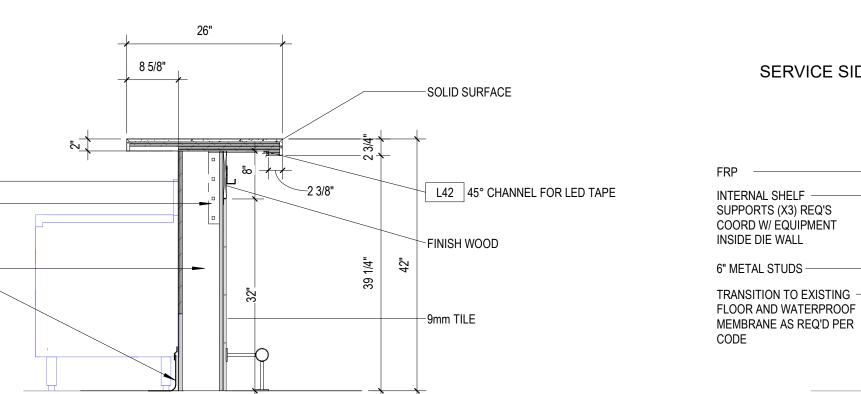
BRACKET; COORDINATE

TRANSITION TO EXISTING —

FLOOR AND WATERPROOF

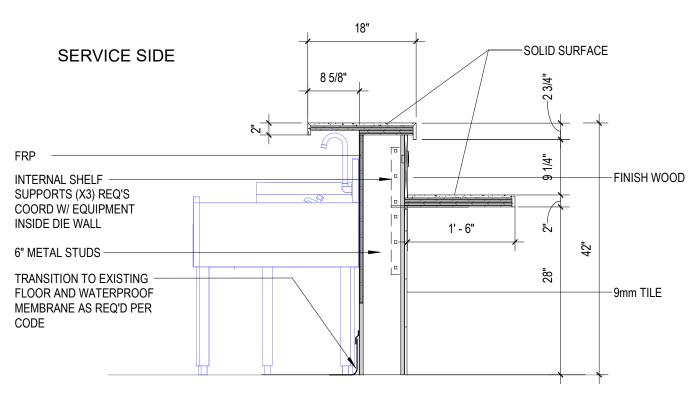
MEMBRANE AS REQ'D PER CODE

W/ EQUIP INSIDE DIE WALL

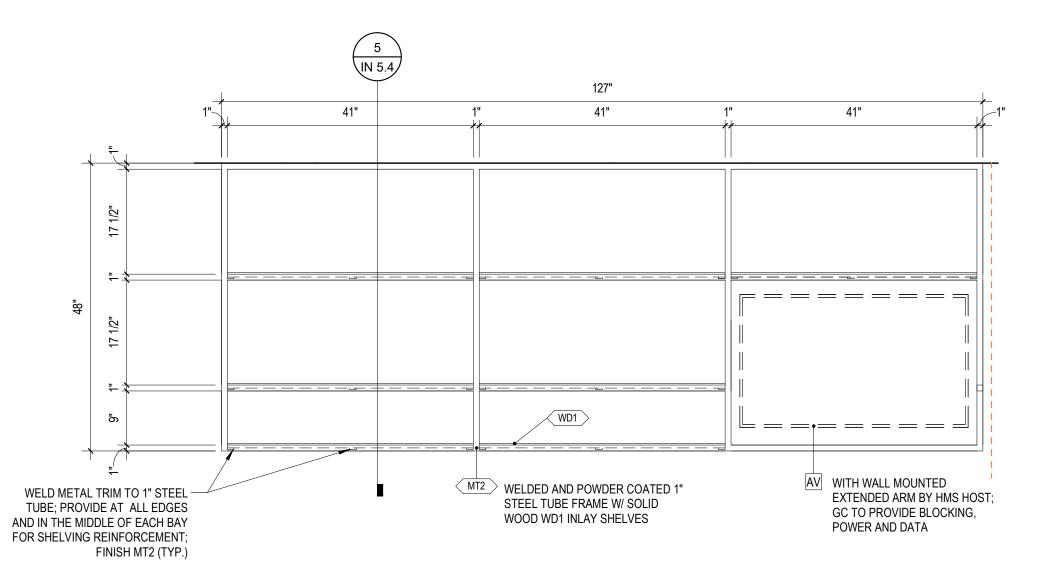


BAR - SECTION DETAIL

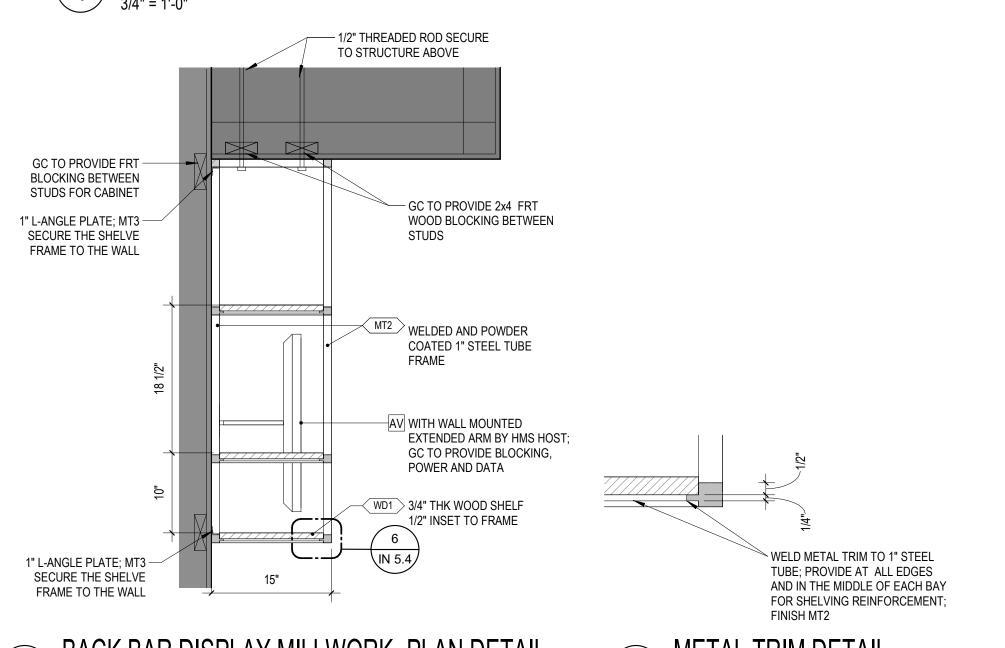
3/4" = 1'-0"



BAR ADA SEATING - SECTON DETAIL

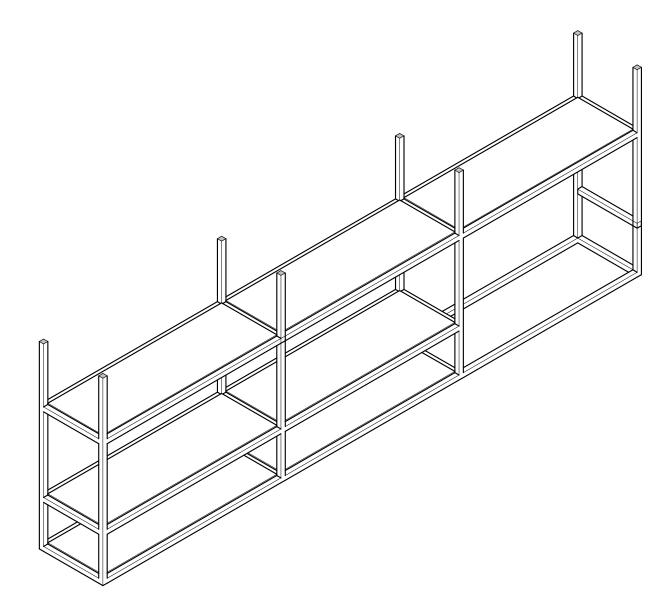


BACK BAR DISPLAY - ELEVATION DETAIL



BACK BAR DISPLAY MILLWORK- PLAN DETAIL





BACK BAR DISPLAY - 3D DETAIL



Puro Gusto RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S



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SHEET TITLE

MILLWORK DETAILS

PROJECT NUMBER:

IN 5.4

SHEET NUMBER:

ID	Description	Manufacturer	Specification	Lead	Comments
l - FI	oor				
EF1	Flooring - Existing - Quarry Tile	Existing Finish	Repair existing flooring		
SF1	Flooring - Safety Floor - Altro (SF1B = Integral Base)	Altro	Stronghold 30, Cannon K30911, 3mm Additional components required including cove base Install per manufacturer specifications.		
) ₋ C	eiling				
ACT1	Ceiling Tile - 2X2 Acoustic - White	Armstrong	CALLA: 2824, 24"x24"x7/8", EDGE: Square Tegular 9/16", COLOR:		
			White / SUPRAFINE XL 9/16" Exposed Tee System, COLOR: White		
ACT2	Ceiling Tile - 2X2 Washable - White	Armstrong	KITCHEN ZONE: 673 White / PRELUDE 9/16" Exposed Tee System, COLOR: White		
Gene	eral Finishes				
FRP	Fiber Reinforced Plastic - Black Pebble	Marlite	Standard FRP - Pebbled, P 807 Black		
PL1	Laminate - Light Walnut	Interior Arts	Wood Look High Pressure Laminate		
PL3	Laminate - Dots	Wilsonart	3023-WAV Bronze Walnut Wave Matte Finish - "Happy Dots" Y0703-60, 372 - VDL Horizontal Grade		For furniture; refer to Furniture Schedule
1 20			Post-forming Laminate .039"		·
PL6	Laminate - Formica Pumice	Formica Commercial	858 Pumice Matte		Interior of Millwork Only
PL7 PL8	Laminate - Formica White Laminate - Metallic Mirror	Formica Commercial Chemetal	933 Mission White Matte 901-T Polished Clear Triangles		
SS1	Slab - Quartz - White	Caesarstone	4001 Fresh Concrete		
			Fresh White Concrete Quartz Countertop Concrete Finish - Available 2cm, 3cm		
Glas	S				
GL41	Glass - Laminated - Multi-Color		Refer to graphics schedule. Tempered glass with graphic print. Laminated or second surface.		
Meta		00/8/11 1 0 1	[00.4.01	T	
MT1 MT2	Metal - Stainless Steel Powder Coat - Satin Brass	GC/Millwork Supplier Tiger Coatings	304 Stainless Steel Trims and Hardware - Various Profiles 49/90137 Sahara Gold		
IVITZ	Toward Godt Gduil Brass	Tigor Godinigo	Metallic Smooth / Reduced Gloss		
MT3	Powder Coat - Dark Bronze	Tiger Coatings	138/60060 Medium Bronze Metallic Smooth / Satin		
Paint	1				
PT11	Paint - White - Satin	Sherwin Williams	SW7006 Extra White, Superpaint Satin		
PT12	Paint - Mint - Satin	Sherwin Williams	SW7742 Agate Green, Superpaint Satin		
PT13	Paint - Blue - Satin (PT13E = Epoxy)	Sherwin Williams	SW9058 Secret Cove, Superpaint Satin		
PT14 PT21	Paint - Navy - Semigloss Paint - White - Enamel	Sherwin Williams Sherwin Williams	SW 7620 Seaworthy, Superpaint Semigloss SW7006 Extra White, Superpaint Exterior Gloss		
PT31	Paint Prep for Applied Graphics	Ondrivin Williams	Wall Prep and White Paint. Coordinate surface finish requirements,		
			including level of drywall finish with graphics providers.		
Tile		_			
FT11	Tile - Porcelain - Wood Plank	Creative Materials Corporation	Motivate - Walnut - 8"x40" Random Lay - No tile ends to be closer than 12" to adjacent tile Grout: Mapei #5007 Chocolate		Floor Tile
FT12	Tile - Porcelain - Square Pattern Mix	Creative Material Corporation	Catalonia - Blue Grey Pattern Mix - 8"x8" - Preset mix of 20		*** See keyed note on sheet IN 1.2 regarding
			blue-grey patterned tiles Straight Lay - No tiles placed directly next to the same pattern.		placement and pattern ***
FT13	Tile - Porcelain - Square Charcoal	Creative Material Corporation	Grout: Mapei #5232 Night Sky Catalonia - Graphite - 8"x8"		
гиз	Tile - Forcelairi - Square Charcoar	Creative Material Corporation	Straight Lay		
WT1	Tile - Ceramic - 3D White	Creative Metarials Corneration	Grout: Mapei #5010 Black Transverse 2"x8" 3d Ceramic Tile		
VVII	Tile - Ceramic - 3D White	Creative Materials Corporation	White Ridge Satin - Natural Finish		
			Vertical Stacked Bond Grout: Mapei 5001 Alabaster		
WT2	Tile - Ceramic - 2x8 - Salmon/Pink	Creative Materials Corporation	Transverse 2"x8" Ceramic Tile in two finishes		
			Style A: Rose Satin - 65 per 100 tiles		
			Style B: Rose Glossy - 35 per 100 tiles Vertical Stacked Bond		
			Random distribution of gloss tiles. No more than (2) consecutive		
			glossy tiles, horizontally or vertically. Grout: Mapei 5226 Nutmeg		
Trim	& Hardware				
	6" Stainless Cove Base	InPro	Stainless Steel Wall Base SS 304 6" Cove Base with Toe (lengths		Varies sizes and accessories may be require
WR1	o Stairless cove base	11110	vary)		varies sizes and accessories may be require
WB1					
	d				
	Wood - Medium Veneer	GC / Millwork Supplier	Maple Veneer - Random Planked Flat Cut		
Woo	-	GC / Millwork Supplier	General Finishes Water-based Wood Stain, Walnut		
Woo	-	GC / Millwork Supplier	General Finishes Water-based Wood Stain, Walnut (Control Sample by GC/Millwork Supplier to be provided to Design Consultant for approval.)		
Woo	-	GC / Millwork Supplier GC / Millwork Supplier	General Finishes Water-based Wood Stain, Walnut (Control Sample by GC/Millwork Supplier to be provided to Design		Wood cap at low wall

	torororioo	Only. Neter to Separate Graphics & Signa	age Package for complete information on all items.		
Qty	ID	Description	Product Information	Manufacturer	Type Comments
raphics	- 01 Signa	age			
1	G11	CHANNEL LIT SIGN	White Lens with White Enamel Frame and Peg Mounts	Signage Contractor	
raphics	- 02 Site /	• • • • • • • • • • • • • • • • • • • •		,	
1	G22	Cooler Front Panel Printed Applique	4-color print on matte vinyl applied to HPL - surface of cooler front. May be exposed to temperature and humidity fluctuations. Supplier to provide guidance on production alternatives	Signage and Graphics Supplier	
1	G23	4-color Print on Vinyl	4-color print on matte vinyl applied to a prepared drywall surface.	Signage and Graphics Supplier	
1	G24	4-color Print on Vinyl	4-color print on matte vinyl applied to a prepared drywall surface.	Signage and Graphics Supplier	
1	G25	Graphic Wallcovering	4-color print on Dreamscape vinyl wallcovering applied to a prepared drywall surface.	Signage and Graphics Supplier	
1	G29	Graphic Wallcovering	4-color print on Dreamscape vinyl wallcovering applied to a prepared drywall surface.	Signage and Graphics Supplier	
1	G30	Graphic Wallcovering at Bar	4-color print on Dreamscape vinyl wallcovering applied to a prepared drywall surface.	Signage and Graphics Supplier	
raphics	- 03 Mour	nted			
4	G31	Printed Menu on Door Panel	Field swap-capable 4-color print on matte material with black returns. Frameless design - See graphics package for more information.	Signage and Graphics Supplier	
raphics	- 04 Othe			,	
2	G41	Print on Glass, Second Surface Continues across (3) sections of glass partition at the barista counter.	Color Print applied second-surface to tempered glass provider. May be exposed to solvents and temperature fluctuations. Supplier to provide guidance on alternative production methods for durability.	Signage and Graphics Supplier	NOTE: To be shop-installed. GC to coordinate subcontractors
1	G42	Print on Glass, Second Surface	Color print applied second surface of tempered glass panels. Mount flush to wall with clear aluminum channel @ top and bottom edges. Divide into odd quantity (3 or 5) of same-sized panels.	Signage and Graphics Supplier	NOTE: To be shop-installed. GC to coordinate subcontractors



Puro Gusto RDU International Aiport

2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



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SEALS AND SIGNATURES



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ISSUED DATE:

ISSUANCE SCHEDULE NO. DATE DESCRIPTION

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SHEET TITLE

SCHEDULES

PROJECT NUMBER:

HARDWARE SCHEDULE

Qty	ID	Description	Manufacturer	Specification	Comments
1		FOOT RAIL	Kegworks	Bracket: SKU: S979-2 - 90 deg. Post Foot Rail Bracket - Brushed Stainless Steel - 2" OD	
				Corner Elbow: SKU: S961-2 - Flush Elbow Fitting 90 Degree - Brushed Stainless Steel - 2" OD Tube: SKU: 920-3S - Bar Foot Rail Tubing - Brushed Stainless Steel - 2" OD	
6	H15	FLOOR TRANSITION	Schluter Systems	Schiene for 9mm Tile (Verify Compatibility to Tile) Item No. E 90 - Stainless Steel 304	Use at all changes of style, edges of expansion joint, and at front facade.
2	H31	Aluminum U-Channel	CRLaurence	CRL Satin Anodized 3/8" Single Aluminum U-Channel. D321A	
7	H41	DUPLEX OUTLET		Black decora outlet with matching cover plate	
12	H51	HOOK	Richelieu	Utility Metal Hook - 35 Product # RH3503301195	
10	H52	CABINET PULL	Richelieu	D handle, stainless steel, round, 4"	
1	H54	TRASH GROMMET	Richelieu	Stainless Steel Trash Grommets - 8-in Product # 61482171	
4	H55	CABLE GROMMET	Richelieu	Round Cable Grommet - Black Product # 50091090	Sizes and quantities may vary. coordinate with all equipment requirements.

AUDIO-VISUAL SCHEDULE

Qty	ID	Description	Manufacturer	Specification	Comments
2	DMB	DIGITAL MENU - SAMSUNG			REFER TO MANUFACTURER SPEC FOR
		- PM55F			MOUNTING REQUIREMENTS, SEE
					INTERIOR ELEVATIONS FOR LOCATION
2	AV	43" TV		Refer to LG 43UR340C9 (2024)	OWNER TO PROVIDE EXTENDED WALL MOUNTED BRACKET

Qty	ID	Description	Manufacturer	Product Information	Lamp Type / Qty	Trim Style	Comments
_ightin(g - 01 A	rchitectural					
38	L15	3" Round Adjustable	[PENDING] Aculux/Acuity Brands Lighting	[PENDING] ACULUX - AX3 3" Round Adjustable 1200 LUMEN / 35° BEAM / ADJUSTABLE BEVEL / CLEAR SPECULAR TRIM Tentative Order Code for Review: AX3 AR G4 12LM 30K 90CRI 35D xxx xxx xxx 3AC CS SF	Integrated LED	Clear Trim	
12	L16	3" Round Wall Wash	[PENDING] Aculux/Acuity Brands Lighting	[PENDING] ACULUX - AX3 3" Round Wall Wash 1200 LUMEN / 24° BEAM / Wall Wash Trim / Clear Specular Tentative Order Code for Review: AX3 AR G4 12LM 30K 90CRI 24D xxx xxx xxx 3WW CS SF	Integrated LED	Clear Trim	
_ighting	g - 02 Tı	rack					
33	L21	TRACKHEAD	Solais	Small Lucie 2.5-in trackhead fixture - White LCS_NFL9301200PWJ_	Integrated LED		
1	LT04	1-Circuit Track - 4'-0" - White	Juno	Juno T-Trac - One-circuit track - White - 4 Feet Additional hardware including drivers required. Lighting supplier to verify all required components. Alternates with Design Consultant approval			
6	LT08	1-Circuit Track - 8'-0" - White	Juno	Juno T-Trac - One-circuit track - White - 8-feet Additional hardware including drivers required. Lighting supplier to verify all required components. Alternates with Design Consultant approval			
_ightin@	g - 03 D	ecorative					
7	L31	Globe Pendant	Dainolite	Tara Pendant, Black - TAR-61P-MB-WH - 1-Light Incandescent Pendant, Black w/ White Glass Requires/Not Included: (1) E12 Candelabra Base - B10 LED Bulb - 300-450 lumens - 2700k - 90CRI - Full Body Finish (not 1/2 glass on plastic base)	(1) Candelabra Base (see product info)		
_ighting	g - 04 M	illwork					
2	L41	LED Tape	NOVA FLEX	Pro Series Static White 3.0W/Ft. NFPS SWH 3.0. 2700k DRIVER: Supplier to provide options for fully concealed driver and related hardware, based on specific installation.	Static White Integral LED	Channel	To be Mounted in Channel Specified Separate Additional Hardware required. All power and wiring to be concealed
2	L42	45° CHANNEL FOR LED TAPE	NOVA FLEX	LINEAR LED TAPE CHANNEL - NF-CH-1919U-2M SILVER with SOFT LENS Add'l Hardware req'd. Supplier to provide options based on specific installation.			Additional hardware required including drivers and mounting hardware. All power and wiring to be concealed

TRUE. ITALIAN.

Puro Gusto RDU International Aiport 2400 West Terminal Blvd



Terminal 1, Space# 2021S

6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



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Fagan Engineering Service ENGINEERING 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan

SEALS AND SIGNATURES



CHECKED BY:

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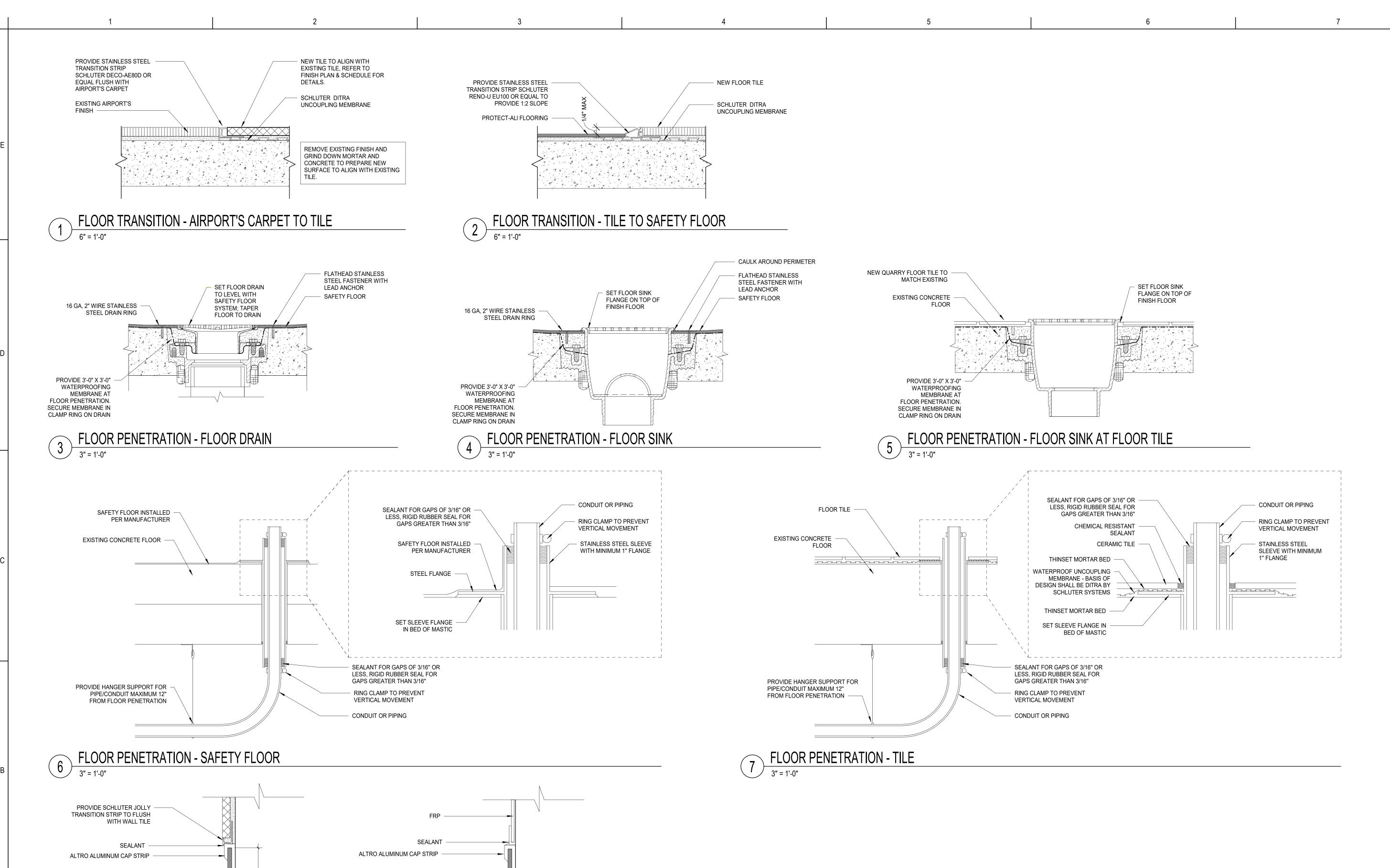
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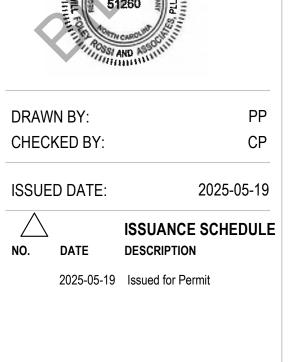
ISSUANCE SCHEDULE DESCRIPTION 2025-05-19 Issued for Permit

2025-05-19

SHEET TITLE

SCHEDULES





Puro Gusto

RDU International Aiport

2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560

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Fagan Engineering Service

SHEET TITLE

INTERIOR DETAILS

PROJECT NUMBER: 24.80

IN 7.0

NUMBER:

9/2025 3:34:28 PM

SAFETY FLOOR (SF1) WITH

PER MANUFACTURER

REQUIREMENTS

BASE DETAIL - SAFETY FLOOR / TILE

INTEGRAL BASE; GC TO INSTALL

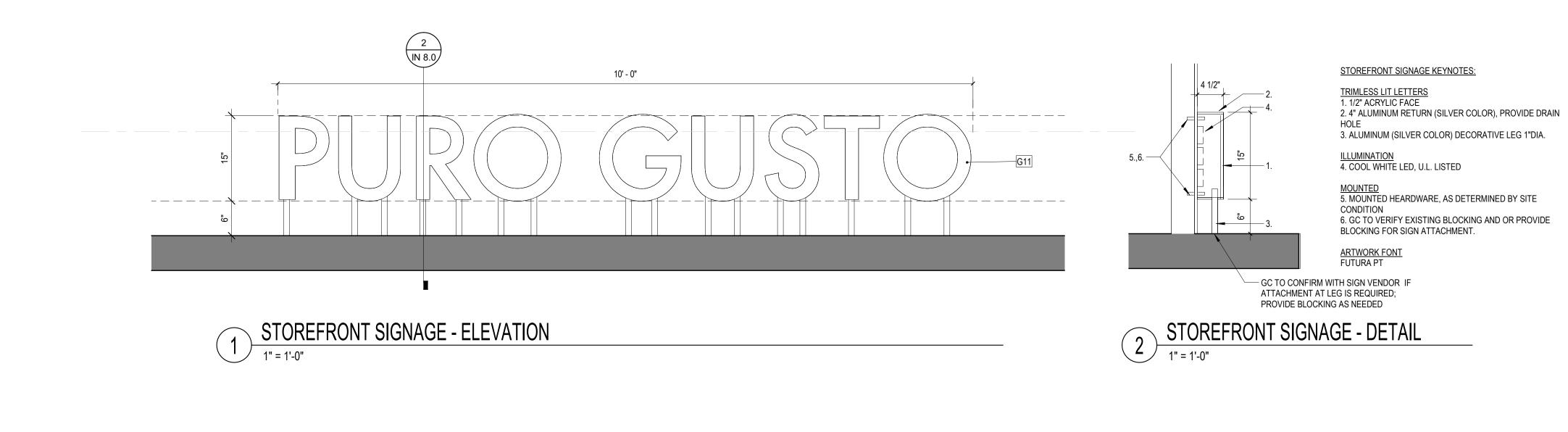
SAFETY FLOOR (SF1) WITH

PER MANUFACTURER

REQUIREMENTS

BASE DETAIL - SAFETY FLOOR / FRP

INTEGRAL BASE; GC TO INSTALL



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ISSUED DATE:

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SHEET TITLE

SIGNAGE

MUST COME FROM DEDICATED CIRCUITS.

VERIFY THE ELECTRICAL SERVICE PROVIDED BY THE ELECTRICAL CONTRACTOR BEFORE ORDERING ANY MECHANICAL EQUIPMENT REQUIRING

PROVIDE PREMIUM EFFICIENCY MOTORS WITH 1.15 SERVICE FACTOR ON ALL EQUIPMENT, MOTORS SHALL BE CAPABLE OF OPERATING CONTINUOUSLY AT 105°F UNDER JOBSITE CONDITIONS AND ALTITUDE.

UNLESS NOTED OTHERWISE, ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH H-O-A SWITCH AND STARTER COMPATIBLE WITH EQUIPMENT AND BMS SYSTEM. STARTERS SHALL BE PROVIDED BY DIVISION 21, 22, 23 UNLESS IN A MOTOR CONTROL CENTER. ALL DISCONNECTS SHALL BE FURNISHED BY DIVISION 26.

THE ELECTRICAL POWER FOR CERTAIN EQUIPMENT PROVIDED UNDER DIVISION 21,22 AND 23 MAY NOT HAVE BEEN SPECIFICALLY INDICATED ON THE ELECTRICAL DRAWINGS AND MUST BE PROVIDED BY AND FIELD COORDINATED BY THE DIVISION 21,22 AND 23 TRADE REQUIRING SUCH SUFFICIENT POWER FOR THIS PURPOSE SHALL BE FURNISHED AS "SPARE", DEDICATED CIRCUIT CAPACITY IN DIVISION 26'S PANELBOARDS. ALL WIRING, CONDUIT AND ELECTRICAL DEVICES DOWNSTREAM OF THE PANELBOARDS IS THE RESPONSIBILITY OF THE DIVISION 21,22 AND 23 TRADE REQUIRING THE POWER UNLESS OTHERWISE SHOWN ON THE ELECTRICAL DRAWINGS. SUCH EQUIPMENT IS HEREBY DEFINED AS:

4.1. ELECTRICAL HEAT TRACE. REQUIRED HEAT TRACE LOCATIONS, CAPACITIES AND SPECIFICATION ARE SHOWN OR INDICATED ON THE DRAWINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FIRE PROTECTION AIR COMPRESSORS, DRY-PIPE CONTROL PANELS AND REQUIRED CONNECTIONS ARE INCLUDED IN THE DIVISION 21 WORK, AND WILL BE SHOWN BY THAT CONTRACTOR'S ENGINEERED SYSTEM DESIGN DRAWINGS

TEMPERATURE CONTROL PANELS, CONTROL AIR COMPRESSORS AND LINE VOLTAGE POWER FOR 24V CONTROL TRANSFORMERS. REQUIRED CONNECTION ARE INCLUDED IN DIVISION 23 AND WILL BE SHOWN BY THAT CONTRACTOR'S CONTROL SUBMITTAL DRAWINGS. IT IS NOT PERMISSIBLE TO UTILIZE "SPARE" POWER FROM ADJACENT POWER CIRCUITS TO SERVE ANY OF THE ABOVE LOADS. ALL POWER

GENERAL INSTALLATION:

SUSPEND EACH TRADE'S WORK SEPARATELY FROM THE STRUCTURE. DUCTWORK SHALL BE HELD TIGHT TO STRUCTURE EXCEPT WHERE

INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

PROVIDE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE AROUND ALL EQUIPMENT REQUIRING SAME. PROVIDE FOR SAFE CONDUCT OF THE WORK, CAREFUL REMOVAL AND DISPOSITION OF MATERIALS AND PROTECTION OF PROPERTY WHICH IS TO

PROVIDE ACCESS DOORS FOR ALL EQUIPMENT, VALVES, CLEANOUTS, ACTUATORS AND CONTROLS WHICH REQUIRE ACCESS FOR ADJUSTMENT

OR SERVICING AND WHICH ARE LOCATED IN OTHERWISE INACCESSIBLE LOCATIONS. 5.1. FOR EQUIPMENT LOCATED IN "ACCESSIBLE LOCATIONS" SUCH AS LAY-IN CEILINGS: LOCATE EQUIPMENT TO PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REMOVING ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS SUCH AS THE CEILING SUPPORT SYSTEM, ELECTRICAL FIXTURES, ETC. "NORMAL MAINTENANCE" INCLUDES, BUT IS NOT LIMITED TO:FILTER CHANGING; GREASING OF BEARINGS; USING P/T PORTS FOR PRESSURE OR TEMPERATURE MEASUREMENTS; SERVICING CONTROL VALVES AND

SERVICING CONTROL PANELS. ISOLATE ALL PRESSURIZED PIPE (WATER, ETC.) AT EACH RISER, BRANCH, PIECE OF EQUIPMENT, AND AREA SERVED. NO DOMESTIC WATER, CHILLED WATER, OR HEATING WATER LINES SHALL BE LOCATED EXPOSED IN FINISHED SPACES OR BELOW THE BUILDING

SLAB UNLESS SHOWN OTHERWISE ON THE DRAWINGS MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONCRETE EQUIPMENT PAD DIMENSIONS, BASED ON THE FINAL EQUIPMENT SELECTION, TO THE STRUCTURAL AND GENERAL CONTRACTOR FOR INCLUSION IN THOSE CONTRACTOR'S WORK AS DESCRIBED BY THE GENERAL CONTRACTOR.

WARRANTY: AT A MINIMUM, THE ENTIRE MECHANICAL SYSTEM SHALL BE WARRANTED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF THE SYSTEM BY THE OWNER. REFER TO INDIVIDUAL SPECIFICATION SECTIONS FOR SPECIFIC WARRANTY REQUIREMENTS.

DUCTWORK INSTALLATION:

DUCTWORK IS TO BE SHEET STEEL: ASTM A653 / A653M w/G60 HOT-DIP GALVANIZED COATING. JOINT AND SEAM TAPE, AND SEALANT SHALL

SEAL ALL SEAMS (LONGITUDINAL AND TRANSVERSE) AIR TIGHT WITH SEALANT PER SPECIFICATIONS.

DUCT DIMENSIONS ARE INSIDE CLEAR.

DIFFUSER NECK SIZE IS SAME AS FLEXIBLE DUCT SIZE.

UNLESS OTHERWISE NOTED, ALL CHANGES IN DIRECTION SHALL BE MADE WITH RADIUS ELBOWS WITH RADIUS TO CENTERLINE EQUAL TO 1.5 WHERE REQUIRED FOR SPACE CONSTRAINTS, PROVIDE MITERED ELBOWS WITH TURNING VANES AS FOLLOWS:

6.1. FOR DUCT WIDTHS OF 36" OR LESS, PROVIDE MANUFACTURED SINGLE WIDTH TURNING VANES, WITH NO TRAILING EDGES AND SPACING IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS FOR "STANDARD SPACING".

6.2. FOR DUCT WIDTHS GREATER THAN 36", USE DOUBLE THICKNESS (AIRFOIL) BLADES WITHOUT TRAILING EDGES. ALL FLEXIBLE DUCTS SHALL NOT BE LESS THAN 4', OR MORE THAN 10' IN LENGTH. INSTALL FLEXIBLE DUCTWORK SUCH THAT:

MINIMUM OVERALL LENGTH OF 3 X DIAMETER, STRAIGHT INTO NECK OF DIFFUSER.

MAXIMUM OF 135° OF TOTAL TURNING IN ENTIRE LENGTH OF FLEXIBLE DUCT.

MINIMUM TURNING RADIUS (MEASURED TO CENTERLINE OF DUCT) OF R = 1.5 X DIAMETER. 8. RETURN AIR PLENUM: SEE GENERAL NOTES TO DETERMINE IF HVAC SYSTEM USES DUCTED OR PLENUM RETURN

8.1. IF THE HVAC SYSTEM USES THE SPACE ABOVE THE CEILING AS A RETURN AIR PLENUM, CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF NFPA AND LOCAL CODE REQUIREMENTS FOR ALL MATERIAL INSTALLED IN THE RETURN AIR PLENUM.

IN ADDITION, THE CONTRACTOR SHALL PROVIDE A COMPLETE RETURN AIR PATH BETWEEN ALL RETURN AIR DEVICES (GRILLES ETC.) AND THEIR RESPECTIVE HVAC UNIT. MAXIMUM VELOCITY OF RETURN AIR IN PLENUM. SHALL GENERALLY NOT EXCEED 250 FEET PER MINUTE. NOR EXCEED 750 FEET PER MINUTE AT ANY CROSS-SECTION OF THE RETURN AIR PATH.

BRANCH LINES:

MAKE ALL TAPS TO ROUND DUCTWORK WITH CONICAL TEES. MAKE ALL TAPS TO RECTANGLE DUCTWORK WITH 45° ENTRY OR CONICAL SPIN IN TO ROUND.

9.3. INCLUDE DAMPERS AT ALL BRANCH LINES

 DUCT SIZES NOT CALLED OUT SHALL BE DETERMINED BASED ON 0.08" S.P. LOSS OR LESS PER 100 FT. OF LENGTH. ASSUME ROUND OR OVAL DUCTS IN EXPOSED AREAS.

12. INCLUDE DAMPERS WHERE SHOWN ON THE DRAWINGS, AND WHERE OTHERWISE REQUIRED FOR BALANCING.

13.1. DUCT SIZES LISTED ON PLAN ARE FREE AREA SO ACTUAL SHEET METAL FABRICATION SIZES ON LINED DUCT SHALL BE SIZED UP IN EACH

DIRECTION TO ACCOUNT FOR LINER.

13.2. EXTERIOR / OUTSIDE OF BUILDING DUCT: SUPPLY AND RETURN SHALL BE EXTERNALLY WRAPPED WITH ISO FOAM EXTERIOR RATED BOARD INSULATION, R-8. (JM XSPECT ISOFOAM APF BOARD OR EQUAL).

13.3. FIRST 10' OF SUPPLY DUCT: 1.5" (R6) FIBERGLASS LINER WITH REINFORCED COATING (JM LINACOUSTIC RC OR EQUAL)

13.4. FIRST 10' OF RETURN DUCT: 1.5" (R6) FIBERGLASS LINER WITH REINFORCED COATING (JM LINACOUSTIC RC OR EQUAL)

13.5. RECTANGULAR SUPPLY DUCT AFTER FIRST 10' IN UNCONDITIONED SPACE OR PLENUM: 2" (R6) FIBERGLASS FSK WRAP (JM MICROLITE FSK DUCT-WRAP OR EQUAL) OR 1.5" (R6) FIBERGLASS LINER (JM LINACOUSTIC RC OR EQUAL).

13.6. RECTANGULAR SUPPLY DUCT AFTER FIRST 10' EXPOSED IN CONDITIONED SPACE: 0.5" (R2) FIBERGLASS LINER (JM LINACOUSTIC RC OR EQUAL) TO PREVENT CONDENSATION.

13.5. SPIRAL / ROUND SUPPLY DUCT AFTER FIRST 10' IN UNCONDITIONED SPACE OR PLENUM: 2" (R6) FIBERGLASS FSK WRAP (JM MICROLITE FSK DUCT-WRAP OR EQUAL) OR 1.5" (R6) FIBERGLASS LINER (JM SPIRACOUSTIC PLUS OR EQUAL).

13.6. SPIRAL / ROUND SUPPLY DUCT AFTER FIRST 10' EXPOSED IN CONDITIONED SPACE: 0.5" (R2) FIBERGLASS LINER (JM SPIRACOUSTIC PLUS OR EQUAL) TO PREVENT CONDENSATION.

13.7. RECTANGULAR RETURN DUCT AFTER FIRST 10' IN UNCONDITIONED SPACE OR PLENUM: 2" (R6) FIBERGLASS FSK WRAP (JM MICROLITE FSK

DUCT-WRAP OR EQUAL) OR 1.5" (R6) FIBERGLASS LINER (JM LINACOUSTIC RC OR EQUAL)

13.6. RECTANGULAR RETURN DUCT AFTER FIRST 10' EXPOSED IN CONDITIONED SPACE: NONE. 13.7. GREASE DUCT EXHAUST SHALL BE INSULATED PER PLAN NOTES.

13.8. REGULAR EXHAUST DUCTWORK SHALL BE UNINSULATED.

13.9. FLEXIBLE DUCTS: FACTORY-FABRICATED, INSULATED, ROUND DUCT, WITH AN OUTER JACKET ENCLOSING 1-1/2" THICK, GLASS-FIBER INSULATION AROUND A CONTINUOUS INNER LINER COMPLYING WITH UL 181, CLASS 1. INSTALL IN ACCORDANCE WITH AIR DIFFUSION COUNCIL, FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS. MINIMUM INSTALLED R VALUE OF R-6 (NOMINALLY 1.5" THICK).

CONDENSATE DRAINAGE:

PROVIDE CONDENSATE DRAINAGE FOR ALL COOLING COILS AND OVERFLOW PANS. ROUTE CONDENSATE PIPING, FULL SIZE OF DRIP PAN CONNECTION, TO NEAREST CODE APPROVED RECEPTACLE. INSULATE WHERE LOCATED

GRAVITY DRAIN WHERE POSSIBLE, PROVIDE AND INSTALL CONDENSATE PUMPS WHERE NECESSARY. GRAVITY CONDENSATE DRAIN SHALL BE

SIZED AS INDICATED ON DRAWINGS OR AS FOLLOWS, WHICHEVER IS LARGER: 3.1. 0-20 TONS: 3/4", 21-40 TONS: 1", 41-90 TONS: 1-1/4", 91-125 TONS: 1-1/2", 125-250 TONS: 2"

CUTTING, PATCHING AND DEMOLITION:

KEEP DEMOLITION & CUTTING TO MINIMUM REQUIRED FOR PROPER EXECUTION OF WORK

BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR THE COMPLETION OF THE WORK. NO CUTTING (NOT SHOWN ON THE CONTRACT DOCUMENTS) SHALL BE DONE WITHOUT THE APPROVAL OF THE ARCHITECT AS TO LOCATIONS,

METHOD AND EXTENT OF THE CUTTING. 4. REPAIR ALL ACCIDENTAL OR INTENTIONAL DAMAGE TO MATCH EXISTING CONSTRUCTION WITH NO NOTICEABLE DIFFERENCE IN CONTINUITY.

ALL "CAPPED" SANITARY AND VENT LINES SHALL BE RECONNECTED OR RE-ROUTED AS NECESSARY TO PREVENT "DEAD-ENDS" IN THE PIPING.

ALL PIPING SHALL DRAIN TO ACTIVE SANITARY WASTE LINES AND ALL BRANCHES WITH TRAPS SHALL BE ADEQUATELY VENTED.

1. DO NOT PENETRATE STRUCTURAL MEMBERS. ALL EQUIPMENT SUPPORTS SHALL BE ATTACHED TO THE LOAD BEARING MEMBERS OF STRUCTURAL ELEMENTS. DO NOT OVER-STRESS ANY STRUCTURAL MEMBERS. CONTACT STRUCTURAL ENGINEER FOR ALLOWABLE LOADS FOR

SPECIFIC MEMBERS. DO NOT UTILIZE POWER DRIVEN ANCHORS FOR ANY LOCATIONS WHICH REQUIRE THE LOAD TO BE HELD IN TENSION. SEE STRUCTURAL DIVISION FOR ADDITIONAL RESTRICTIONS

SEE ALSO STRUCTURAL DIVISION FOR ACCEPTABLE ANCHORING AND SUPPORT MEANS, METHODS, AND LOCATIONS. PROVIDE FLEXIBLE CONNECTORS, EXPANSION LOOPS, EXPANSION JOINTS, ADDITIONAL FITTINGS OR EQUIVALENT TO ACCOMMODATE THE

THERMAL EXPANSION OF THE BUILDING THROUGH STRUCTURAL EXPANSION JOINTS. PROVIDE SUCH FITTING AT EVERY PIPE, DUCT, CONDUIT, ETC. CROSSING OF A STRUCTURAL EXPANSION JOINT.

CONSTRUCTION VENTILATION:

WHERE EXISTING OR NEW MECHANICAL SYSTEMS ARE USED FOR TEMPORARY VENTILATION OR CLIMATE CONTROL, MECHANICAL EQUIPMENT INSTALLER SHALL PROVIDE CONSTRUCTION FILTERS, MAINTAIN EQUIPMENT, AND CLEAN, ADJUST AND PUT IN NEW CONDITION BEFORE BUILDING OCCUPANCY. PARTS AND LABOR WARRANTY SHALL NOT BE CONSIDERED TO START UNTIL ACCEPTANCE OF SYSTEM BY OWNER.

PROVIDE CONSTRUCTION FILTERS INSTALLED AT ALL AIR MOVING DEVICES THROUGHOUT THE CONSTRUCTION. REMOVE FILTERS ONLY FOR BALANCING AND FINAL TURNOVER. INSPECT ALL NON-CONSTRUCTION FILTERS AND REPLACE ALL THOSE DEEMED NECESSARY BY THE ENGINEER PRIOR TO ACCEPTANCE OF THE SYSTEM BY THE OWNER.

GENERAL NOTES

ALL WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA CONSTRUCTION CODE & ITS ADOPTED AMENDMENTS; INCLUDING BUT NOT LIMITED TO THE NATIONAL ELECTRIC CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL ENERGY CONSERVATION CODE, AND INTERNATIONAL PLUMBING CODE, SEE ARCHITECTURAL COVER SHEET FOR A SPECIFIC LIST OF ADOPTED CODES.

USED IN THE CEILING PLENUM SPACE. NON-RATED MATERIALS SHALL NOT BE ACCEPTABLE

NOTE THAT THIS BUILDING USES A RETURN AIR PLENUM. ALL EXPOSED PIPING, CONDUIT, WIRING, ETC. WITHIN THE PLENUM SHALL BE RATED TO PASS REQUIRED SMOKE / FLAME RATINGS. ONLY PLENUM RATED MATERIALS SHALL BE

UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL HVAC. FIRE PROTECTION AND PLUMBING SYSTEMS. CONTRACTOR SHALL FURNISH THESE EVEN IF ITEMS REQUIRED TO ACHIEVE THIS (I.E. OFFSETS, ISOLATION AND BALANCING DEVICES, MAINTENANCE CLEARANCES, ETC.) ARE NOT

THE CONTRACTOR SHALL PROVIDE SUBMITTALS AS LISTED BELOW. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE A/E TEAM PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE A/E TEAM'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL

DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO THE ACTUAL CONDITIONS OF THE JOB.

THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. THEY SHOW CERTAIN PHYSICAL RELATIONSHIPS WHICH MUST BE ESTABLISHED WITHIN THE VARIOUS DIVISIONS SCOPE OF WORK AND ITS INTERFACE WITH OTHER TRADES. IF CONFLICTS EXIST, PRIORITY OF LOCATION IN REFLECTED CEILING GRID SHALL BE AS FOLLOWS FROM HIGH TO LOW: LIGHTS, SPRINKLER, MECHANICAL, FIRE ALARM DEVICES.

ESTABLISHING THIS RELATIONSHIP IN THE FIELD IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. THIS DIVISION SHALL COORDINATE ITS WORK WITH ALL DIVISIONS OF THE WORK AND ADJUST ITS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT.

THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS.

CERTAIN SYSTEMS REQUIRE ENGINEERING OF INSTALLATION DETAILS BY CONTRACTOR. UNLESS FULLY DETAILED IN THE CONTRACT DOCUMENTS, SUCH ENGINEERING IS THE EXCLUSIVE RESPONSIBILITY OF THE

CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHERE CLEARANCES ARE LIMITED, AND WHERE INSTALLATION DRAWINGS OR SCHEMATICS, "CONSTRUCTION DRAWINGS", OR COORDINATION DRAWINGS MAY BE REQUIRED IN ACCORDANCE WITH, OR IN EXCESS OF, THOSE REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR SHALL PREPARE ALL SUCH COORDINATION DRAWINGS AS PART OF THE BASE CONTRACT. SUCH DRAWINGS MAY BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR RECORD AND COMMENT. ANY WORK INSTALLED WITHOUT APPROVED COORDINATION DRAWINGS IS DONE AT THE CONTRACTOR'S RISK.

THESE NOTES ONLY SUPPLEMENT, AND DO NOT REPLACE, THE SPECIFICATIONS. DIVISIONS 8.1. 1: GENERAL, 21: FIRE SUPPRESSION, 22: PLUMBING, 23: HVAC, 25: AUTOMATION, 26: ELECTRICAL, 27:

COMMUNICATIONS, 28: ELECTRONIC SAFETY AND SECURITY DEFINITIONS AND TERMINOLOGY

9.1. THE DEFINITIONS AND GENERAL CONDITIONS OF THIS SPECIFICATION ALSO APPLY TO MEP DIVISION CONTRACT

CONTRACT DOCUMENTS CONSTITUTE THE DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, PROJECT MANUALS, ETC., PREPARED BY ENGINEER (OR OTHER DESIGN PROFESSIONAL IN ASSOCIATION WITH ENGINEER) FOR CONTRACTOR'S BID OR CONTRACTOR'S NEGOTIATIONS WITH THE OWNER. THESE DRAWINGS AND SPECIFICATIONS PREPARED BY THE ENGINEER ARE NOT CONSTRUCTION DOCUMENTS.

CONSTRUCTION DOCUMENTS, CONSTRUCTION DRAWINGS, AND SIMILAR TERMS FOR THIS WORK REFER TO INSTALLATION DIAGRAMS, SHOP DRAWINGS AND COORDINATION DRAWINGS PREPARED BY THE CONTRACTOR USING THE DESIGN INTENT INDICATED ON THE ENGINEER'S CONTRACT DOCUMENTS. THESE SPECIFICATIONS DETAIL THE CONTRACTOR'S RESPONSIBILITY FOR "ENGINEERING BY CONTRACTOR" AND FOR PREPARATION OF CONSTRUCTION DOCUMENTS.

(N) INDICATES NEW EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT. (E) INDICATES EXISTING EQUIPMENT ON SITE WHICH MAY OR MAY NOT NEED TO BE RELOCATED AS A PART OF

(R) INDICATES EXISTING EQUIPMENT TO BE RELOCATED AS PART OF THIS WORK. FURNISH MEANS TO SUPPLY AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.

INSTALL MEANS TO SET IN PLACE. CONNECT AND PLACE IN FULL OPERATIONAL ORDER.

PROVIDE MEANS TO FURNISH AND INSTALL 9.10. EQUIVALENT MEANS MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT

ASPECTS. SIGNIFICANT ASPECTS SHALL BE AS DETERMINED BY THE ARCHITECT/ENGINEER. WORK BY OTHER(S) DIVISIONS, AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS. BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN HIS/HER SUPPLIERS, SUBCONTRACTORS AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT

ARCHITECT/ENGINEER BEFORE SUBMITTING BID. 9.12. BY INFERENCE, ANY REFERENCE TO A CONTRACTOR OR SUB-CONTRACTOR MEANS THE ENTITY WHICH HAS

CONTRACTED WITH THE OWNER FOR THE WORK OF THE CONTRACT DOCUMENTS. ENGINEER MEANS THE DESIGN PROFESSIONAL FIRM WHICH HAS PREPARED THESE CONTRACT DOCUMENTS. ALL QUESTIONS, SUBMITTALS, ETC. OF THIS DIVISION SHALL BE ROUTED THROUGH THE ARCHITECT TO THE

REQ. SUBMITTALS

ENGINEER (THROUGH PROPER CONTRACTUAL CHANNELS).

ALL MECHANICAL EQUIP. PER SCHEDULES

GRILLS, REGISTERS, DIFFUSERS

ELECTRICAL LUMINAIRES

LIGHTING CONTROLS

 PLUMBING FIXTURES PER SCHEDULE PIPING MATERIALS (DWV, DOMESTIC, GAS, ETC.)

INSULATION

 SPRINKLER SHOP DRAWINGS SPRINKLER DEVICES

FIRE ALARM SHOP DRAWINGS • FIRE ALARM DEVICES

MEP SHEET INDEX

M1.0 - MECHANICAL NOTES

M2.0 - MECHANICAL DEMOLITION PLAN M3.0 - MECHANICAL NEW WORK PLAN

ELECTRICAL E1.0 - ELECTRICAL NOTES

E2.0 - ELECTRICAL BARRICADE PLAN E3.0 - ELECTRICAL PLANS E3.1 - LOW VOLTAGE PLAN

P1.0 - PLUMBING NOTES P3.0 - PLUMBING PLANS

FIRE PROTECTION F1.0 - FIRE SPRINKLER PLAN

F3.0 - FIRE ALARM PLAN

GRILLE, REGISTER, DIFFUSER SCHEDULE

TYPE	MAKE	MODEL	USE	STYLE	MATERIAL	N/C	NOTES
[S-2]	TITUS	OMNFAA	SUPPLY	PLAQUE	ALUMINUM	<30	1,2
[R-1]	TITUS	OMNI-AA	RETURN	PLAQUE	ALUMINUM	<30	1,2,3

 WHITE POWDER COAT (VERIFY WITH ARCHITECT) 2. 24X24 MODULE FOR ALL DEVICES IN LAY-IN-CEILING

. WHEN SHOWN DUCTED ON PLANS PROVIDE SQUARE TO ROUND ADAPTER FOR FLEX DUCT CONNECTIONS

CONTRACTOR SHALL PROVIDE SUBMITTAL INFORMATION TO ENGINEER FOR ANY DESIRED ALT. OR SUBSTITUTIONS.

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



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SEALS AND SIGNATURES

BRIAN J. FAGAN - PROFESSIONAL ENGINEER NC LICENSE NUM: 33651 - EXP: 12/31/2025

DRAWN BY: CHECKED BY:

NORTH CAROLINA FIRM LICENSE P-2361

FAGAN ENGINEERING SERVICES, PLLC

327 DAHLONEGA ST. STE 101B

CUMMING, GA 30040

ISSUED DATE:

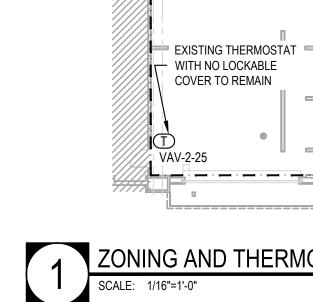
ISSUANCE SCHEDULE NO. DATE DESCRIPTION

05/08/25

05/08/2025 100% Airport Review 05/08/2025 Issued For Permit

SHEET TITLE

MECHANICAL NOTES



AIR BALANCING CALCULATION

SEE HVAC CONTROLS & SEQUENCE. FOR MORE INFORMATION. SPACE WILL REMAIN BALANCED WITH TERMINAL. OCCUPIED MODE OUTSIDE AIR SUPPLY: EXHAUST AIR: 1. KEF-2 = 1,500 CFM MAU-2LT = 2000 CFM, 1200 AT

HOOD 4 AND 8 IN PERU GUSTO TOTAL = 1,500 CFM TOTAL = 2,000 CFM UNOCCUPIED MODE EXHAUST AIR: OUTSIDE AIR SUPPLY:

1. KEF2 = 0 CFM MAU-2LT = 0 CFM OUTSIDE AIR TOTAL = 0 CFM

TOTAL OUTSIDE AIR = 0 CFM CENTRAL RETURN: CENTRAL SUPPLY (FULL FLOW): VAV-2-25 = 2,500 CFM

TOTAL = 2,500 CFMTOTAL = 2,500 CFM NET BALANCE: + 800 WHEN KEF-2 IS RUNNING AND NEUTRAL WHEN

DIFFUSER / AIR DEVICE LEGEND FLEXIBLE THERMO-(WITH RETURN EXHAUST DAMPER

START-UP & AIR BALANCING NOTES

DIRECTED BY THE OWNER.

ALL MECHANICAL EQUIPMENT SHALL BE INSPECTED AND RUN IN ACCORDANCE WITH INSTRUCTIONS OF EACH MANUFACTURERS' START-UP PROCEDURES. EQUIPMENT NOT OPERATING PROPERLY SHALL BE REPAIRED OR REPLACED. ALL EQUIPMENT REPLACEMENTS SHALL FIRST BE APPROVED BY MECHANICAL ENGINEER. ALL NEW SYSTEMS SHALL WARRANTED FOR MIN. ONE YEAR ON PARTS AND LABOR (MIN. 5 YEARS ON COMPRESSORS AND HEAT

ALL DUCT OPENINGS SHALL BE PROTECTED DURING CONSTRUCTION TO AVOID DEBRIS FROM ENTERING THE

DUCTS AND MECHANICAL EQUIPMENT SHALL BE THOROUGHLY CLEANED (INTERIOR AND EXTERIOR) UPON

EXAMINE ALL MECHANICAL SYSTEMS TO VERIFY THAT THEY ARE COMPLETE AND THAT TESTING, CLEANING, ADJUSTING AND ALL COMMISSIONING HAS BEEN COMPLETED.

COMPLETION AND NEW FILTERS SHALL BE INSTALLED. SUPPLY OWNER WITH ONE SPARE FILTER FOR EACH FILTER

EXAMINE THE OPERATION OF ALL THERMOSTATS, BALANCING DAMPERS, VOLUME DAMPERS, SYSTEMS CONTROLS, ETC. TO VERIFY PROPER OPERATION. CORRECTIONS SHALL BE MADE AS REQUIRED. ALL CONTROLLERS AND THERMOSTATS SHALL BE SET AS INDICATED ON THE CONSTRUCTION DOCUMENTS OR AS

PROVIDE ONE ELECTRONIC COPY AND THREE HARD COPIES OF ALL OWNERS AND OPERATIONS MANUALS TO THE

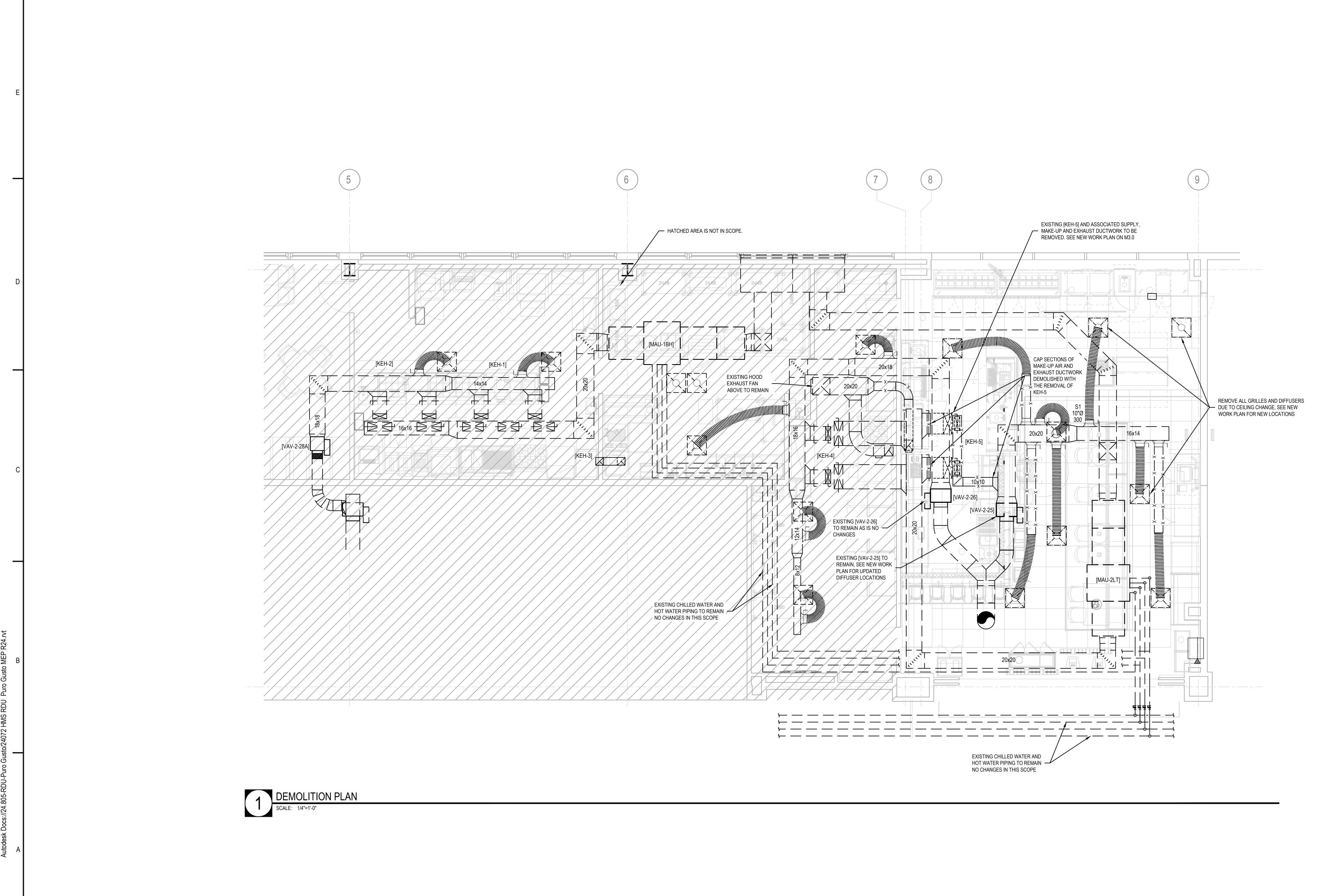
MECHANICAL CONTRACTOR SHALL REVIEW ALL COMPONENTS OF THE SYSTEM AND THE PROPER OPERATION OF THE

EQUIPMENT AND THE CONTROLS WITH THE OWNER. THE OWNER SHALL BE INFORMED HOW TO RESET THE SYSTEM AND PROGRAM THE SET POINTS IF APPLICABLE.

TEST & BALANCE REPORT TO RDU AUTHORITY FOR THEIR RECORDS.

CHECK ALL CONDENSATE DRAINS FOR PROPER CONNECTIONS AND FUNCTIONING. MAKE REPAIRS AS REQUIRED. THE CONTRACTOR SHALL BALANCE ALL AIR HANDLING EQUIPMENT, AIR OUTLETS, AND AIR INLETS TO WITHIN 10% OF THEIR DESIGN VALUES. PROVIDE TEST & BALANCE REPORT TO ENGINEER FOR REVIEW AND ACCEPTANCE. PROVIDE

TAG — [S-1] NECK −− 8"Ø CFM — 100 TEMP. DUCT STAT SENSOR DAMPER) TAKEOFF 旦 归 וויייין 🕕 RTU-1 | 🕦 RTU-1





Puro Gusto

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



Hill Foley Rossi & Associates ARCHITECTURE

3680 Pleasant Hill Road Suite 200 Duluth, GA 30096 770.622.9858 Contact: Christian Powers

Fagan Engineering Service ENGINEERING

327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan



M.E.P. ENGINEERING 327 DAHLONEGA ST. STE CUMMING, GA 30040 (678) 648-4904

Fagan Engineering Services, LLC

SEALS AND SIGNATURES



BRIAN J. FAGAN - PROFESSIONAL ENGINEER
NC LICENSE NUM: 33651 - EXP: 12/31/2025

NORTH CAROLINA FIRM LICENSE P-2361
FAGAN ENGINEERING SERVICES, PLLC
327 DAHLONEGA ST. STE 101B
CUMMING, GA 30040

DRAWN BY: CHECKED BY:

05/08/25 ISSUED DATE:

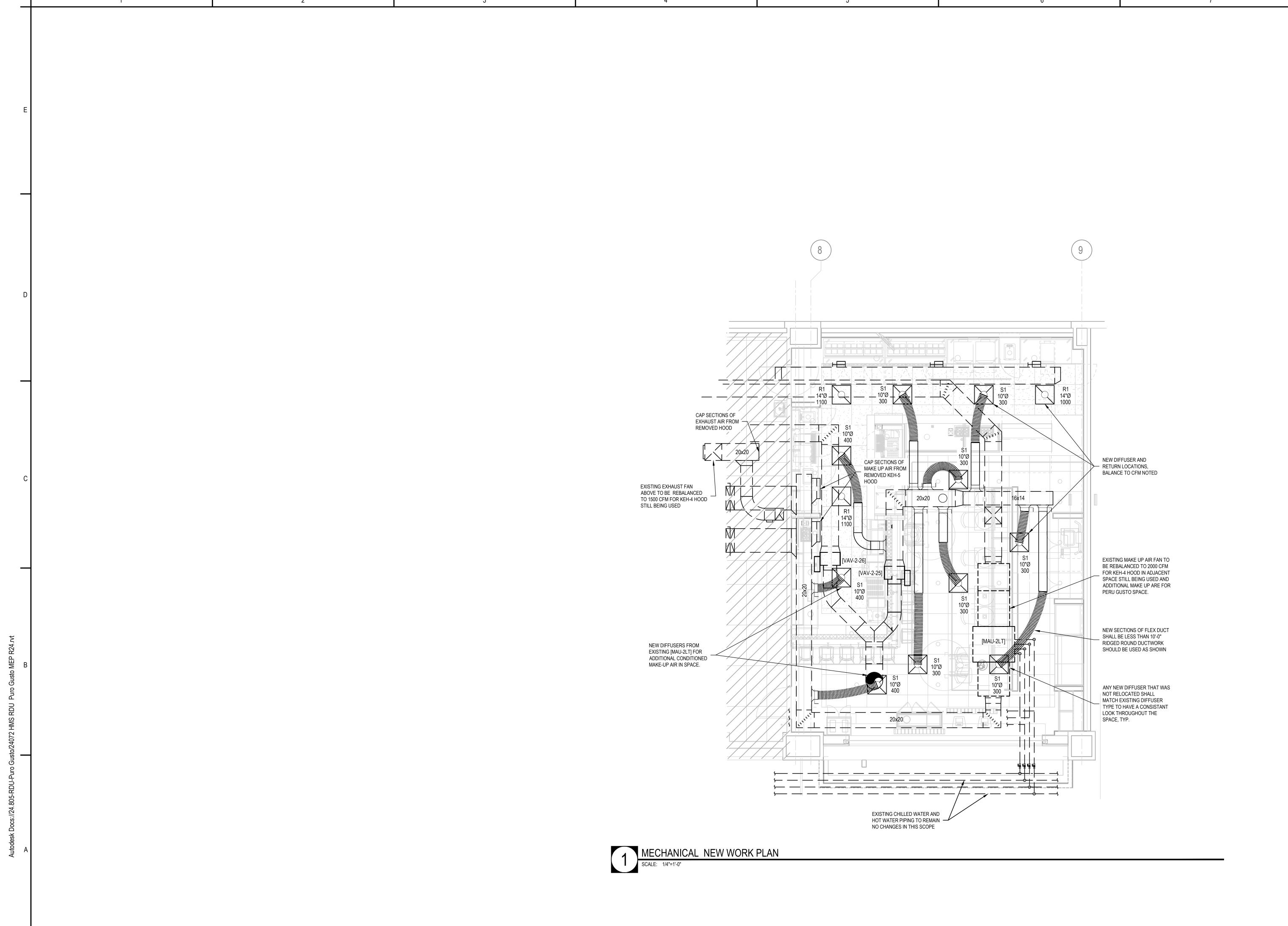
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MECHANICAL **DEMOLITION PLAN**

M 2.0





Puro Gusto

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



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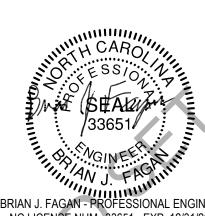
Fagan Engineering Service ENGINEERING

327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909 Contact: Brian Fagan



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MECHANICAL NEW **WORK PLAN**

M 3.0

Branch Panel: LT1

Volts: 120/208 Wye Phases: 3 Wires: 4 Feeder Size: 400 A

FES A.I.C. Rating: UNKNOWN Mains Type: MCB Mains Rating: 400 A MCB Rating: 400 A

70 A FRYER BATTERY /

EXISTING PANEL TO REMAIN

73 GENERAL LIGHTING /

77 TRACK LIGHTING /

75 DECORATIVE LIGHTING

Supply From: PANEL LT1 VIA XFMR

Mounting: Recessed

Enclosure: Type 1

NOTES	CKT	LOAD	Trip	Pol	4	Α	l	В	(C	Pol	Trip	LOAD	CKT	NOTES
	1	CONV RECEPT /	20 A	1	540	1200					1	20 A	STOREFRONT SIGNAGE /	2	2
	3	ORDER KIOSK /	20 A	1			360	1000			1	20 A	SECURITY GRILLE /	4	2
	5	BAR RECEPT /	20 A	1					540	360	1	20 A	ORDER KIOSK /	6	
1	7	BACK BAR FRIDGE /	20 A	1	360	960					1	20 A	COFFEE GRINDER /	8	1
	9	OOFFEE MACHINE /	40 A				3500	720			1	20 A	POS SYSTEM /	10	
11		COFFEE MACHINE /		2					3500	3100		20.4	MODOWAY /F /	12	4
4	13	DADID COOK OVEN /	00.4	_	2000	3100					2	30 A	MICROWAVE /	14	1
	15	RAPID COOK OVEN /	20 A	2			2000	600			1	20 A	UC FRIDGE /	16	1
4	17	MICDOMANE	20.4						3100	600	1	20 A	UC FRIDGE /	18	1
1	19	MICROWAVE /	30 A	2	3100	360					1	20 A	TV /	20	
1	21	WORKTOP FRIDGE /	20 A	1			600	720			1	20 A	SANDWICH FRIDGE TABLE /	22	1
1	23	WORKTOP FRIDGE /	20 A	1					600	720	1	20 A	BAR RECEPT /		
1	25	SPARE /	20 A	1	0	600					1	20 A	GLASS WASHER /	26	1
1	27	DISPLAY CASE /	20 A	1			1006	540			1	20 A	Receptacle /		
1	29	DISPLAY CASE /	20 A	1					1006	0	1	20 A	SPARE /		
1	31	SANDWICH FRIDGE TABLE /	20 A	1	720	1006					1	20 A	DISPLAY CASE /	32	1
4	33	COFFEE MACHINE /	20.4				3000	360			1	20 A	MENU BOARDS /	34	
1	35	COFFEE MACHINE /	30 A	2					3000	3000	_	20. 4	COFFEE PREMER /	36	
	37	TEA BREWER /	20 A	1	1200	3000					2	20 A	COFFEE BREWER /	38	
	39	SPARE /	20 A	1			0	0			1	20 A	SPARE /		
2	41	AV RACK 1 /	20 A	1					300	0	1	20 A	SPARE /	42	
2	43	FREEZER 1 /	15 A	1	1080	3602								44	
2	45	FREEZER 2 /	15 A	1			1080	3602			3	40 A	CONVECTION OVEN 1 /	46	2
2	47	FREEZER 3 /	15 A	1					1080	3602				48	
2	49	CARBONATOR 1 /	15 A	1	864						1		SHUNT TRIP /	50	
2	51	CARBONATOR 2 /	15 A	1			864	3602						52	
2	53	WARMING CABINET /	20 A	1					1920	3602	3	40 A	CONVECTION OVEN 2 /	54	2
	55	SPARE /	20 A	1	0	3602								56	
2	57	TELEPHONE BOARD\/	20 A	1			500				1		SHUNT TRIP /	58	
2	59	POS COMM BOX /	20 A	1					500	0	1	20 A	SPARE /	60	1
2	61	AV RACK 2 /	20 A	1	300	0					1	20 A	SPARE /	62	
2	63	CONV RECEPT /	20 A	1			180	720			1	20 A	RECEPT DINING /	64	
2	65	SANDWICH FRIDGE TABLE /	20 A	1					1440	6366				66	
	67				3000	6366					3	80 A	RANGE 6-BURNER /	68	2
2	69	CHARBROILER /	35 A	3			3000	6366						70	
İ	71								3000		1		SHIINT TRIP /	72	

				•						0000					. •
2	79	LIGHTING /	20 A	1	1125						1		SHUNT TRIP /		80
2	81	LIGHTING /	20 A	1			832	0			1	20 A	SPARE /		82
2	83	LIGHTING CONTACTOR /	20 A	1					500	0	1	15 A	SPARE /		84
			Total	_oad:	4528	85 VA	4235	2 VA	4923	6 VA			•		
			Total A	mps:	38	81 A	35	3 A	41	4 A	-				
Load C	Load Classification			Load	ŀ	Demand Factor		Estimated Demand		Panel Totals					
Kitchen Equipment - Non-Dwelling Unit			120696	VA			65.00%		78	3452 VA	١				
Receptacle			7020 \	/A		100.00%			7020 VA			Total Conn. Load:	136873 VA		
Power			4700 VA			100.00%			4700 VA			Total Est. Demand:	94629 VA		
Lighting		4457 \	/A	100		0.00%		4457 VA		Total Conn.: 380 A		380 A			
													Total Est. Demand:	263 A	

600 6600

20 A 1 600 6600 800 6600 20 A 1 1125 --

ELECTRICAL NOTES

- 1. ALL ELECTRICAL WORK SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AS WELL AS THE APPLICABLE UNIFORM CONSTRUCTION CODE AND LOCAL ORDINANCES.
- 2. ALL CONDUCTORS SHALL BE COPPER UON. ALUMINUM WILL NOT BE ACCEPTED UNLESS SPECIFICALLY LISTED IN THE FEEDER TABLE.
- 3. ALL CABLING SHALL BE THWN/THHN CONDUCTORS WITH A FULL SIZE GROUNDING
- CONDUCTOR, UON.
- A. EXPOSED METAL CLAD (MC) CABLE IS NOT PERMITTED IN ANY AREA, INCLUDING ELECTRICAL ROOMS.
- B. CONCEALED METAL CLAD (MC) CABLE MAY BE USED IF PROPERLY SUPPORTED.
- C. ALL CABLING IN PATIENT CARE AREAS REQUIRES SPECIALTY HCF (HOSPITAL GRADE, BONDED, GROUNDING WIRING) NEC ARTICLE 517.
- 4. CONDUIT SHALL BE AS FOLLOWS:
- A. UNDERGROUND CONDUIT SHALL BE PVC. B. EXPOSED TO DAMAGE SHALL BE GRC.
- C. EXPOSED DRY LOCATIONS SHALL BE EMT OR GRC.
- D. IF CONCEALED WHIPS WITH FLEXIBLE METAL CONDUIT (FMC) ARE USED, THEY SHALL BE LESS THAN 6 FEET LONG.
- 5. ALL CIRCUITS SHALL BE MINIMUM WIRE SIZE OF #12 AWG CU EXCEPT FOR SIGNAL AND
- CONTROL WIRING UON. 6. EC SHALL FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED BY CODE WHETHER OR NOT THEY ARE INDICATED ON PLANS. EC SHALL INSTALL AND CONNECT POWER WIRING TO
- MECHANICAL EQUIPMENT AS WELL AS LINE SIDE OF ALL STARTERS, RELAYS, AND CONTACTORS FOR MECHANICAL EQUIPMENT. ELECTRICAL BOXES IN FIRE RATED ASSEMBLIES MUST MEET IBC 714.4 REQUIREMENTS FOR MEMBRANE PENETRATIONS. AS DEFAULT, BOXES WITHIN RATED WALLS SHALL USE UL

EQUIPMENT FURNISHED BY OTHERS AND SHALL WIRE LINE VOLTAGE THERMOSTATS FOR

- CERTIFIED PROTECTION SUCH AS PUDDY PADS, FIRESTOP BOX INSERTS OR FIRESTOP COVER PLATE GASKETS.
- 8. EC SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.
- 9. MULTI-WIRE CIRCUITS (NEUTRAL SHARING) ARE PROHIBITED FROM THE ENTIRE PROJECT UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE ENGINEER.
- 10. EC SHALL WIRE ALL BATTERY BACKED BALLAST, SECURITY RECEPTACLES, SENSORS, EMERGENCY LIGHTS AND EXIT SIGNS AHEAD OF ANY SWITCHES, EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE FED FROM THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA. BATTERIES MUST BE POWERED AT ALL TIMES.
- 11. DRAWINGS ARE DIAGRAMMATIC. PRIOR TO BIDDING VERIFY CONDITIONS, LOCATIONS AND REQUIREMENTS IN THE FIELD TO ENSURE A COMPLETE AND PROPERLY OPERATIONAL SYSTEM. EXAMINE ALL CONTRACT DWGS, FOR REQUIREMENTS AFFECTING WORK OF THE
- ELECTRICAL TRADE. 12. QUESTIONS REGARDING THESE DRAWING SHALL BE ADDRESSED TO THE ENGINEER PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE
- MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL. 13. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF THE OUTLET BOXES, JUNCTION BOXES, AND EQUIPMENT DISCONNECTION TO AGREE WITH REQUIRED LOCATIONS OF FURNISHINGS OF EQUIPMENT SERVED. GENERALLY, RECEPTACLES SHALL BE MOUNTED 18" AFF AND LIGHT
- SWITCHES AT 42" AFF, UON. 14. ELECTRICAL CONTRACTOR SHALL BALANCE THE LOAD IN EACH PANEL TO PROVIDE THE MOST
- EVEN DISTRIBUTION PRACTICAL. 15. EXTERIOR LIGHTING SHALL BE CONTROLLED BY A PHOTOCELL ON, TIMECLOCK OFF

MEP Sheet List MECHANICAL NOTES MECHANICAL DEMOLITION PLAN E 1.0 ELECTRICAL NOTES E 2.0 ELECTRICAL BARRICADE PLAN ELECTRICAL PLANS E 3.0 LOW VOLTAGE PLAN E 3.1 MECHANICAL NEW WORK PLAN P 1.0 PLUMBING NOTES PLUMBING PLANS FIRE PROTECTION NOTES

REQ. SUBMITTALS

ARRANGEMENT, UON.

 ALL MECHANICAL EQUIPMENT PER SHEDULES GRILLS, REGISTERS, & DIFFUSERS

FIRE PROTECTION PLAN

ELECTRICAL

 LUMINAIRES LIGHTING CONTROLS

<u>PLUMBING</u>

 PLUMBING FIXTURES PER SCHEDULE PIPING MATERIALS (DWV, DOMESTIC, ETC.)

FIRE PROTECTION

SPRINKLER DEVICES

SPRINKLER SHOP DRAWINGS

 FIRE ALARM SHOP DRAWINGS FIRE ALARM DEVICES

GENERAL NOTES - PLENUM RETURN

- . ALL WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA CONSTRUCTION CODE & ITS ADOPTED AMENDMENTS; INCLUDING BUT NOT LIMITED TO THE NATIONAL ELECTRIC CODE. INTERNATIONAL MECHANICAL CODE. INTERNATIONAL ENERGY CONSERVATION CODE, AND INTERNATIONAL PLUMBING CODE, SEE ARCHITECTURAL COVER SHEET FOR A SPECIFIC LIST OF ADOPTED CODES. NOTE THAT THIS BUILDING USES A RETURN AIR PLENUM. ALL EXPOSED PIPING, CONDUIT, WIRING, ETC. WITHIN THE PLENUM SHALL
- BE RATED TO PASS REQUIRED SMOKE / FLAME RATINGS. ONLY PLENUM RATED MATERIALS SHALL BE USED IN THE CEILING PLENUM SPACE. NON-RATED MATERIALS SHALL NOT BE ACCEPTABLE.
- 3. UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL HVAC, FIRE PROTECTION AND PLUMBING SYSTEMS. CONTRACTOR SHALL FURNISH THESE EVEN IF ITEMS REQUIRED TO ACHIEVE THIS (I.E. OFFSETS, ISOLATION AND BALANCING DEVICES, MAINTENANCE CLEARANCES, ETC.) ARE NOT SPECIFICALLY SHOWN.
- 4. THE CONTRACTOR SHALL PROVIDE SUBMITTALS AS LISTED BELOW. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE A/E TEAM PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE A/E TEAM'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.
- 5. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO THE ACTUAL CONDITIONS OF
- 6. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. THEY SHOW CERTAIN PHYSICAL RELATIONSHIPS WHICH MUST BE ESTABLISHED WITHIN THE VARIOUS DIVISIONS SCOPE OF WORK AND ITS INTERFACE WITH OTHER TRADES. IF CONFLICTS EXIST, PRIORITY OF LOCATION IN REFLECTED CEILING GRID SHALL BE AS FOLLOWS FROM HIGH TO LOW: LIGHTS,
- SPRINKLER, MECHANICAL, FIRE ALARM DEVICES. ESTABLISHING THIS RELATIONSHIP IN THE FIELD IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. THIS DIVISION SHALL COORDINATE ITS WORK WITH ALL DIVISIONS OF THE WORK AND ADJUST ITS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF
- A. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS. B. CERTAIN SYSTEMS REQUIRE ENGINEERING OF INSTALLATION DETAILS BY CONTRACTOR. UNLESS FULLY DETAILED IN THE
- CONTRACT DOCUMENTS, SUCH ENGINEERING IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHERE CLEARANCES ARE LIMITED, AND WHERE INSTALLATION DRAWINGS OR SCHEMATICS, "CONSTRUCTION DRAWINGS", OR COORDINATION DRAWINGS MAY BE REQUIRED IN ACCORDANCE WITH, OR IN EXCESS OF, THOSE REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR SHALL PREPARE ALL SUCH COORDINATION DRAWINGS AS PART OF THE BASE CONTRACT. SUCH DRAWINGS MAY BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR RECORD AND COMMENT. ANY WORK INSTALLED WITHOUT APPROVED COORDINATION DRAWINGS IS
- DONE AT THE CONTRACTOR'S RISK. D. THESE NOTES ONLY SUPPLEMENT, AND DO NOT REPLACE, THE SPECIFICATIONS.
- 8. DIVISIONS
- A. 1: GENERAL, 21: FIRE SUPPRESSION, 22: PLUMBING, 23: HVAC, 25: AUTOMATION, 26: ELECTRICAL, 27: COMMUNICATIONS, 28: ELECTRONIC SAFETY AND SECURITY 9. DEFINITIONS AND TERMINOLOGY
- A. THE DEFINITIONS AND GENERAL CONDITIONS OF THIS SPECIFICATION ALSO APPLY TO MEP DIVISION CONTRACT DOCUMENTS. B. CONTRACT DOCUMENTS CONSTITUTE THE DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, PROJECT MANUALS, ETC., PREPARED BY ENGINEER (OR OTHER DESIGN PROFESSIONAL IN ASSOCIATION WITH ENGINEER) FOR CONTRACTOR'S BID OR CONTRACTOR'S NEGOTIATIONS WITH THE OWNER. THESE DRAWINGS AND SPECIFICATIONS PREPARED BY THE ENGINEER ARE
- NOT CONSTRUCTION DOCUMENTS. C. CONSTRUCTION DOCUMENTS, CONSTRUCTION DRAWINGS, AND SIMILAR TERMS FOR THIS WORK REFER TO INSTALLATION DIAGRAMS, SHOP DRAWINGS AND COORDINATION DRAWINGS PREPARED BY THE CONTRACTOR USING THE DESIGN INTENT INDICATED ON THE ENGINEER'S CONTRACT DOCUMENTS. THESE SPECIFICATIONS DETAIL THE CONTRACTOR'S RESPONSIBILITY
- FOR "ENGINEERING BY CONTRACTOR" AND FOR PREPARATION OF CONSTRUCTION DOCUMENTS. D. (N) INDICATES NEW EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT.
- E. (E) INDICATES EXISTING EQUIPMENT ON SITE WHICH MAY OR MAY NOT NEED TO BE RELOCATED AS A PART OF THIS WORK.
- (R) INDICATES EXISTING EQUIPMENT TO BE RELOCATED AS PART OF THIS WORK.
- G. FURNISH MEANS TO SUPPLY AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.
- H. INSTALL MEANS TO SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER.
- I. PROVIDE MEANS TO FURNISH AND INSTALL. J. EQUIVALENT MEANS MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS. SIGNIFICANT ASPECTS SHALL BE AS DETERMINED BY THE ARCHITECT/ENGINEER.
- K. WORK BY OTHER(S) DIVISIONS, AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN HIS/HER SUPPLIERS, SUBCONTRACTORS AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT/ENGINEER BEFORE SUBMITTING
- L. BY INFERENCE, ANY REFERENCE TO A CONTRACTOR OR SUB-CONTRACTOR MEANS THE ENTITY WHICH HAS CONTRACTED WITH
- THE OWNER FOR THE WORK OF THE CONTRACT DOCUMENTS. M. ENGINEER MEANS THE DESIGN PROFESSIONAL FIRM WHICH HAS PREPARED THESE CONTRACT DOCUMENTS. ALL QUESTIONS, SUBMITTALS, ETC. OF THIS DIVISION SHALL BE ROUTED THROUGH THE ARCHITECT TO THE ENGINEER (THROUGH PROPER



Project Information

2018 IECC Energy Code: RDU Puro Gusto Project Title: Project Type: Alteration

CONTRACTUAL CHANNELS).

Construction Site: 2400 John Brantley Blvd Morrisville, North Carolina 27560

Efficiency Packages

Description Credit

Owner/Agent:

Allowed Interior Lighting Power

Area Category	Floor Area (ft2)	Allowed Watts / ft2	Allowed Watts	
Entire Space (Common Space Types:Dining Area - Bar Lounge/Leisure)	1115	0.93	1037	
		Total Allowed Watts =	1037	

Designer/Contractor:

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture		D Fixture Watt.	(C X D)
Entire Space (Common Space Types: Dining Area - Bar Lounge/Leisure, 11)	L5 sq.ft.)			
[L1] ADJ DOWNLIGHT: [L1] ADJ DOWNLIGHT: LED:	0	38	10	380
[L2] WW DOWNLIGHT: [L2] WW DOWNLIGHT: LED:	0	12	10	120
[L3] TRACK LIGHT: [L3] TRACK LIGHT: LED:	0	33	10	346
[L4] DECORATIVE PENDANT: [L4] DECORATIVE PENDANT: LED:	0	7	15	105
[L5] TAPE LIGHT: [L5] TAPE LIGHT: LED:	0	20	3	60
	To	tal Propose	d Watts =	1012

Fixture	Lighting Control			
Entire Space (Common Space Types: Dining Area - Bar Lounge	e/Leisure, 1115 sq.ft.)			
[L1] ADJ DOWNLIGHT: [L1] ADJ DOWNLIGHT: LED:	Manual Control			
[L2] WW DOWNLIGHT: [L2] WW DOWNLIGHT: LED:	Manual Control			
[L3] TRACK LIGHT: [L3] TRACK LIGHT: LED:	Manual Control			
[L4] DECORATIVE PENDANT: [L4] DECORATIVE PENDANT: LED:	Manual Control			
[L5] TAPE LIGHT: [L5] TAPE LIGHT: LED:	Manual Control			

Interior Lighting Compliance

Statement Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Clinton How Clinton How Name - Title

05/08/2025



Puro Gusto

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



6905 Rockledge Dr Bethesda, MD 20817 240.694.4100

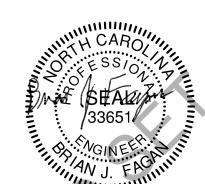


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Fagan Engineering Service ENGINEERING 327 Dahlonega St Suite 101B Cumming, GA 30040 678.648.4909



SEALS AND SIGNATURES



BRIAN J. FAGAN - PROFESSIONAL ENGINEER NC LICENSE NUM: <u>33651 -</u> EXP: 12/31/2025 NORTH CAROLINA FIRM LICENSE P-2361 FAGAN ENGINEERING SERVICES, PLLC 327 DAHLONEGA ST. STE 101B

DRAWN BY: FES FES CHECKED BY:

CUMMING, GA 30040

05/08/25 **ISSUED DATE: ISSUANCE SCHEDULE**

NO. DATE DESCRIPTION 05/08/2025 100% Airport Review

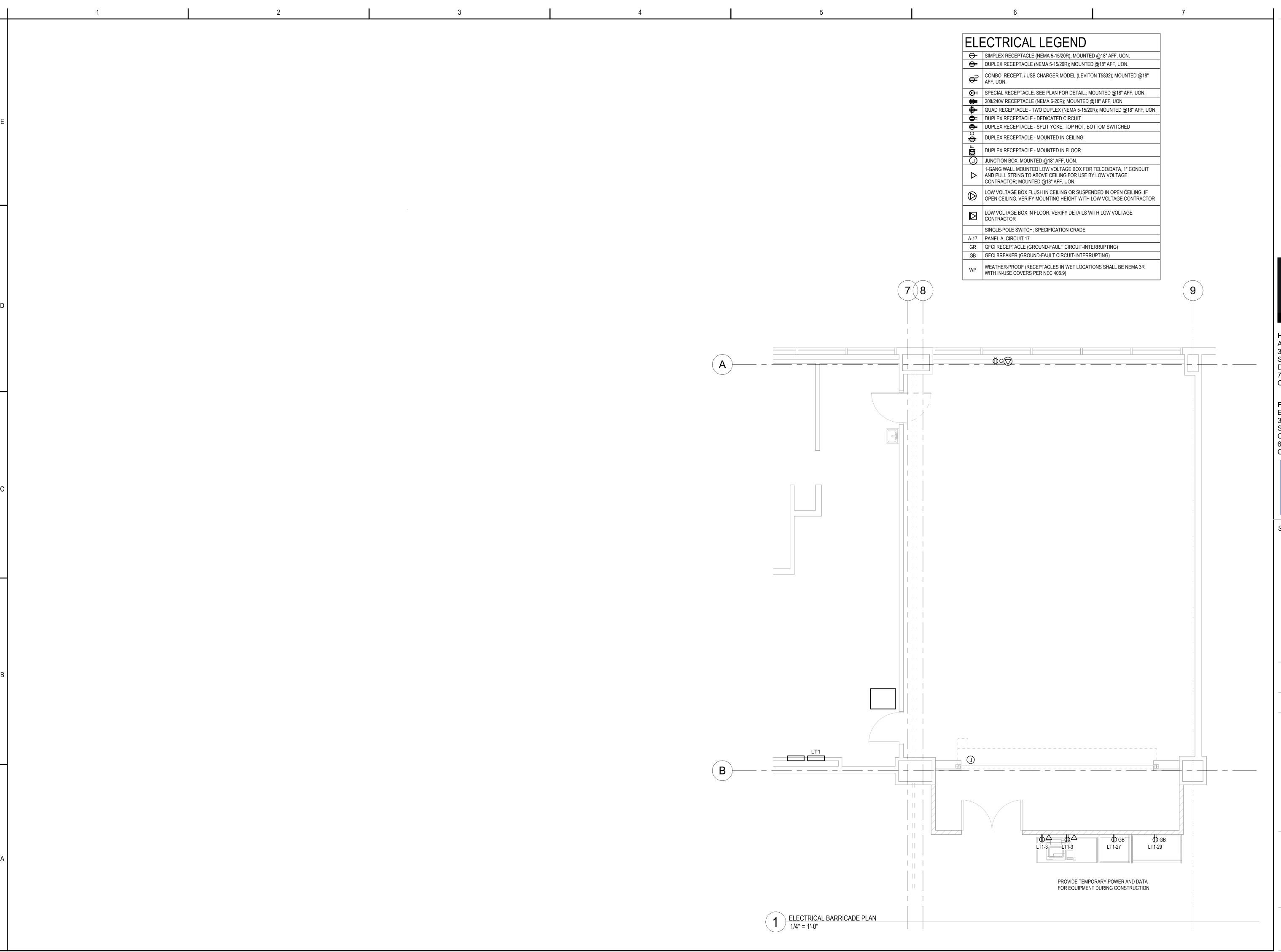
05/08/2025 Issued For Permit

SHEET TITLE

ELECTRICAL NOTES

SHEET NUMBER:

PROJECT NUMBER:





Puro Gusto

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



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SEALS AND SIGNATURES



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ISSUED DATE:

ISSUANCE SCHEDULE
NO. DATE DESCRIPTION

05/08/2025 100% Airport Review 05/08/2025 Issued For Permit

FES

05/08/2025 Issued For Permit

SHEET TITLE

ELECTRICAL BARRICADE PLAN

PROJECT NUMBER:

E 2.0

SHEET NUMBER:

3/13/2023 1.12.30 FIN

(J) HT1 LT1

I / 1/4" = 1'-0"

ELECTRICAL LEGEND

SIMPLEX RECEPTACLE (NEMA 5-15/20R); MOUNTED @18" AFF, UON. DUPLEX RECEPTACLE (NEMA 5-15/20R); MOUNTED @18" AFF, UON.

COMBO. RECEPT. / USB CHARGER MODEL (LEVITON T5832); MOUNTED @18"

SPECIAL RECEPTACLE. SEE PLAN FOR DETAIL.; MOUNTED @18" AFF, UON. 208/240V RECEPTACLE (NEMA 6-20R): MOUNTED @18" AFF. UON.

QUAD RECEPTACLE - TWO DUPLEX (NEMA 5-15/20R); MOUNTED @18" AFF, UON. ➡ DUPLEX RECEPTACLE - DEDICATED CIRCUIT

DUPLEX RECEPTACLE - MOUNTED IN FLOOR (J) JUNCTION BOX; MOUNTED @18" AFF, UON.

I-GANG WALL MOUNTED LOW VOLTAGE BOX FOR TELCO/DATA, 1" CONDUIT AND PULL STRING TO ABOVE CEILING FOR USE BY LOW VOLTAGE CONTRACTOR; MOUNTED @18" AFF, UON.

LOW VOLTAGE BOX FLUSH IN CEILING OR SUSPENDED IN OPEN CEILING. IF OPEN CEILING, VERIFY MOUNTING HEIGHT WITH LOW VOLTAGE CONTRACTOR

LOW VOLTAGE BOX IN FLOOR. VERIFY DETAILS WITH LOW VOLTAGE

GR GFCI RECEPTACLE (GROUND-FAULT CIRCUIT-INTERRUPTING)

WEATHER-PROOF (RECEPTACLES IN WET LOCATIONS SHALL BE NEMA 3R WITH IN-USE COVERS PER NEC 406.9)

-GB·GB-

FLOOR JBOX FOR PRE--INSTALLED RECEPTACLES

ON BOOTHS.

991

401 LT1-29

EXISTING SIGNAGE TO REMAIN.

CIRCUIT: LT1-2

TRUE. ITALIAN.

Puro Gusto

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05/08/25

SHEET TITLE

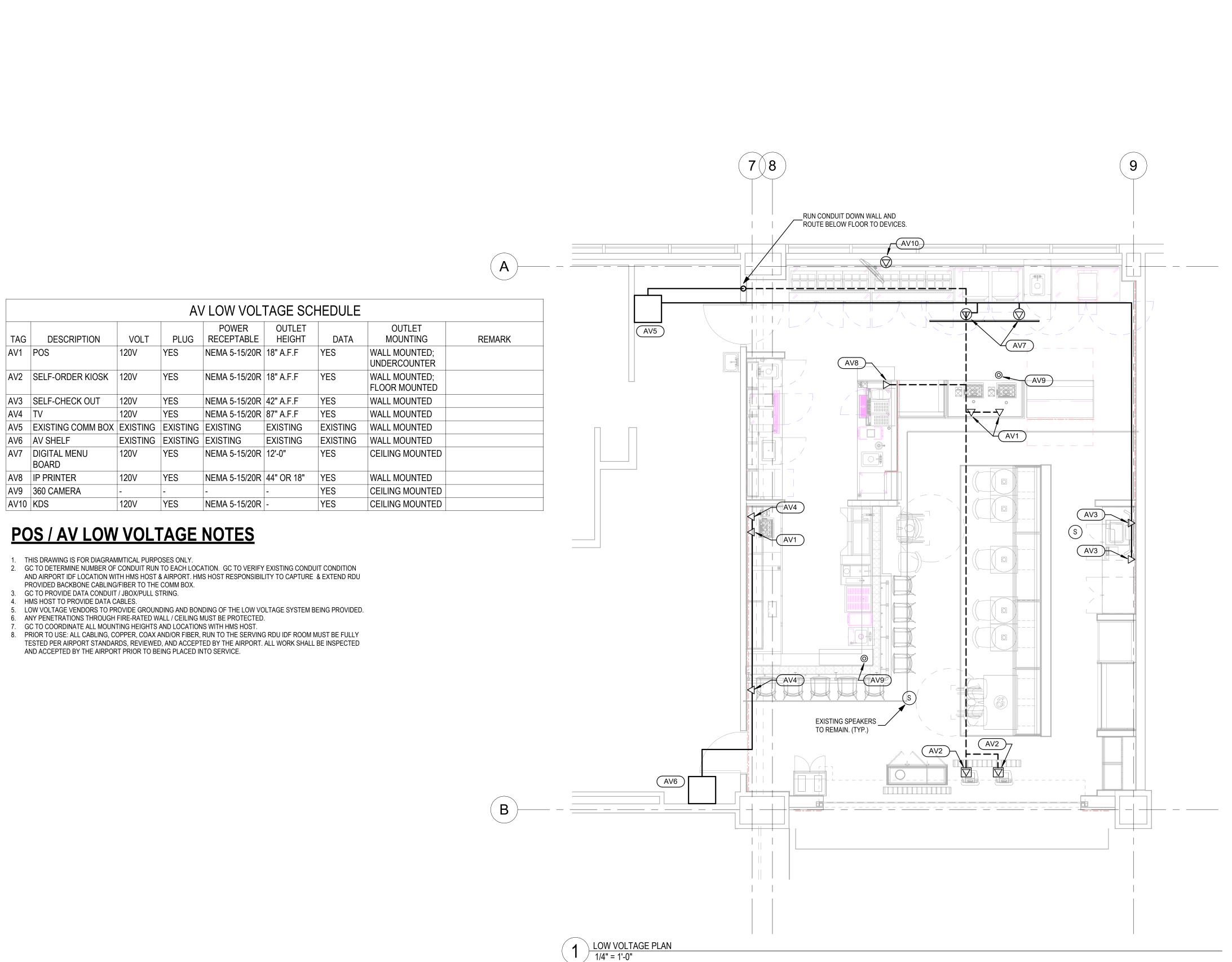
ELECTRICAL PLANS

PROJECT NUMBER:

E 3.0

B

2 LIGHTING PLAN 1/4" = 1'-0"





Puro Gusto

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SHEET TITLE

LOW VOLTAGE PLAN

PROJECT NUMBER:

E 3.1

SHEET NUMBER:

5/19/2025 1:12:53 PM

- 1. SEE GENERAL NOTES FOR NOTES ABOUT POSSIBLE MECHANICAL RETURN PLENUM. NOTE THAT PVC AND SOME OTHER
- PLASTICS MAY NOT BE EXPOSED TO A PLENUM, BUT IN ACCORDANCE WITH IMC 602.2.1. DOMESTIC WATER PIPING
- A. TYPE L COPPER WITH SOLDERED JOINTS.
- . PIPING IN EXPOSED AREAS SHALL BE RIGID TYPE. PIPING THAT IS CONCEALED MAY BE RIGID OR FLEXIBLE. ALL HOT WATER, TEMPERED WATER, AND RECIRCULATED WATER PIPING SHALL BE INSULATED. COLD WATER PIPING WHERE SUBJECT TO CONDENSATION OR FREEZING SHALL BE INSULATED.
- MECHANICALLY PRESSED JOINTS ARE ACCEPTABLE IN EASILY ACCESSIBLE AREAS. SOLDERED JOINTS SHALL BE USED IN ALL INACCESSIBLE AREAS (ABOVE DRYWALL CEILINGS, BEHIND WALLS, ETC.)
- ABOVEGROUND SANITARY WASTE AND GREASE WASTE PIPING:
- A. HUB LESS CAST IRON SOIL PIPE AND FITTINGS; GASKETS; AND COMPRESSION JOINTS. COPPER DWV TUBE, COPPER DRAINAGE FITTINGS AND SOLDERED JOINTS.
- BRASS PIPE OR TUBE, CHROME PLATED, WHERE EXPOSED TO FINISHED AREAS.
- 4. CONDENSATE PIPING (AIR CONDITIONING/REFRIGERATION COILS):
- A. SOFT COPPER TUBING OR TYPE L COPPER WITH SOLDERED JOINTS. 5. ALL FIXTURES AND APPLIANCES SHALL HAVE SHUTOFF VALVES. ALL HAND SINKS AND LAVATORIES SHALL HAVE ASSE
- 1070 MIXING VALVES. 6. TEST, CLEAN AND DISINFECT WATER DISTRIBUTION PIPING ACCORDING TO AUTHORITIES HAVING JURISDICTION

PLUMBING NOTES

COORDINATION:

- PIPE ROUTING ON DRAWINGS IS DIAGRAMMATIC WITH EFFORTS DURING DESIGN TO AVOID STRUCTURAL CONFLICTS AND TO COORDINATE WITH OTHER DISCIPLINES. CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH STRUCTURAL CONDITIONS. CONTRACTOR COORDINATION DRAWINGS SHALL REFLECT ALL PIPE ROUTING AND PIPING THAT MAY HAVE TO BE MOVED TO AVOID CONFLICTS. MOVED PIPING SHALL REFLECT NO ADDITIONAL COST TO THE PROJECT. 2. COORDINATE ROUTING OF ALL PLUMBING PIPING BELOW SLAB WITH STRUCTURAL COMPONENTS INCLUDING GRADE BEAMS, TIE BEAMS. ETC. ALLOW FOR REROUTING OF PIPING AS REQUIRED.
- 3. WHERE DIFFERENCES APPEAR BETWEEN THE PLUMBING DRAWINGS AND THE ARCHITECTURAL DRAWINGS IN THE QUANTITIES AND LOCATIONS OF PLUMBING FIXTURES, THE ARCHITECTURAL DRAWINGS GOVERN. WHERE NECESSARY THE CONTRACTOR SHALL USE UNIT PRICING FOR WASTE AND VENT PIPING TO EACH PLUMBING FIXTURE.
- 4. DURING CONSTRUCTION PROTECT ALL DRAIN GRATES, CLEANOUT COVERS, AND OTHER FINISHED-EXPOSED COMPONENTS FROM DAMAGE. DAMAGED COMPONENTS SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 5. REFER TO CIVIL DRAWINGS FOR REQUIRED POINT OF CONNECTION AND INVERT REQUIREMENTS. IN GENERAL, THE POINT OF CONNECTION IS AT A POINT 5 FEET OUTSIDE OF BUILDING FOOTPRINT
- 6. PRIOR TO START OF CONSTRUCTION. FIELD VERIFY INVERTS ELEVATIONS SHOWN. CONFIRM WORK WILL MEET INVERT ELEVATIONS SHOWN ON CIVIL DRAWINGS, WILL NOT CONFLICT WITH OTHER UTILITIES AND ARE COORDINATED WITH FOUNDATION ELEMENTS
- 7. REFER TO PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES 8. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PENETRATION DETAILS
- 9. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED ELEVATIONS AND LOCATIONS OF PLUMBING FIXTURE
- 10. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE COUNTS FOR AREAS WHERE PLUMBING FIXTURES SUCH AS WATER CLOSETS, LAVATORIES, SHOWERS, ETC. ARE NOT SHOWN. 11. DOMESTIC WATER AND VENT PIPING SHOWN ON FLOOR PLANS ARE LOCATED ABOVE THE CEILING AND GENERALLY SERVE THE
- FIXTURES SHOWN ON THE FLOOR PLAN, UNLESS NOTED OTHERWISE. SANITARY WASTE PIPING SHOWN ON FLOOR PLANS ARE LOCATED ABOVE THE CEILING AND GENERALLY SERVE THE FIXTURES ON THE FLOOR ABOVE, UNLESS NOTED OTHERWISE. 12. THROUGHOUT THE DRAWINGS, NUMBERS MAY BE SHOWN IN BRACKETS ADJACENT TO PIPE SIZES TO INDICATE QUANTITIES OF
- UNITS CARRIED WITHIN THE DIFFERENT PIPING SYSTEMS. THEY REPRESENT THE FOLLOWING:
- A. DCW (###) = WATER SUPPLY FIXTURE UNITS (WSFU) B. GAS (###) = CUBIC FEET PER HOUR (CFH)
- C. SAN (###) = DRAINAGE FIXTURE UNITS (DFU)
- D. ST/OD (###) = SQUARE FEET (SQ.FT.)
- 13. COORDINATE LOCATION OF ISOLATION AND SHUT-OFF VALVE AND CAPPED UTILITIES WITH ARCHITECT, ENGINEER, EQUIPMENT LOCATION, AND OTHER DISCIPLINES. SUBMIT DRAWING SHOWING LOCATIONS TO THE ARCHITECT AND ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- 14. ALL PIPING THAT IS SUBJECT TO VEHICULAR DAMAGE SHALL BE PROVIDED WITH IMPACT PROTECTION. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- 15. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT COORDINATED FLOOR PENETRATION PLANS SHOWING ALL LOCATIONS
- AND SIZES OF REQUIRE PENETRATIONS. SUBMIT DRAWINGS TO ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL. 16. THE STRUCTURE MAY CONTAIN SPECIAL STRUCTURAL COMPONENTS SUCH AS SHEER WALLS, X-BRACING, STUD-RAILS, POST-TENSION REINFORCING CABLES, OR PRE-TENSIONED REINFORCING CABLES. FOR ANY STRUCTURAL PENETRATIONS, CONTACT THE STRUCTURAL ENGINEER FOR INSTRUCTIONS INCLUDING REQUIREMENTS FOR X-RAY INVESTIGATION, ALLOWABLE LOCATIONS FOR PENETRATIONS AND CORING INSTRUCTIONS. WRITTEN INSTRUCTIONS MUST BE OBTAINED PRIOR TO CONSTRUCTION.
- 17. ALL REQUIRED OPENINGS IN STRUCTURAL ELEMENTS ARE TO BE ACCOMPLISHED USING PROPERLY SIZED SLEEVES. 18. CORE DRILLING IN STRUCTURAL ELEMENTS IS NOT ALLOWED. CORE DRILLING IN PANS IS ALLOWED WITH PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- 19. IN TENANT AREAS, DO NOT INSTALL PIPING, VALVES, HANGERS, EQUIPMENT, ETC. WITHIN THE 6 "NO-FLY-ZONE DIRECTLY ABOVE THE
- CEILING. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO MAINTAIN A CLEAR NO-FLY-ZONE. 20. DO NOT ROUTE PRESSURIZED PIPING (EXCEPT FIRE PROTECTION) IN ELECTRICAL ROOM, TELECOMMUNICATION ROOM, OR
- COMPUTER ROOM. 21. IN ELECTRICAL ROOMS, TELECOMMUNICATION ROOMS, OR COMPUTER ROOMS, DO NOT ROUTE SANITARY WASTE PIPING ABOVE ANY EQUIPMENT. IN ELECTRICAL ROOMS NOT CONSTRUCTED WITH A SUB-ROOF, ALL SANITARY WASTE PIPING SHALL HAVE A GALVANIZED 22 GAUGE SHEET METAL DRIP PAN INSTALLED BELOW THE PIPING. DRIP PANS SHALL BE 1.5 TIMES THE WIDTH OF THE PIPING SERVED WITH A MINIMUM OF 2" HIGH SIDES. DRIP PANS SHALL BE SUSPENDED FROM THE PIPING SERVED AND SHALL SLOPE AT A MINIMUM 1/8"/FT. DRIP PANS SHALL DISCHARGE WITH MIN. 1-1/2" DRAIN TO SEALED WATERTIGHT FLOOR DRAINS. IN ADDITION. A

WATER SENSOR SHALL BE INSTALLED BY CONTRACTOR TO TIE INTO THE RDU BMS, TO BE MONITORED BY THE AIRPORT.

SANITARY AND GREASE WASTE:

- 1. ALL HORIZONTAL SANITARY PIPING 3" AND SMALLER WHETHER BELOW OR ABOVE GRADE SHALL SLOPE AT 1/4" / FT. ALL PIPING 4" AND LARGER SHALL SLOPE AT 1/8" / FT. UNLESS NOTED OTHERWISE.
 - 2. ALL GREASE WASTE PIPING SHALL SLOPE AT 1/4" / FT. 3. PROVIDE CLEAN OUTS AS INDICATED ON THE DRAWINGS AND PER THE PROJECT SPECIFICATIONS AND LOCAL PLUMBING CODES. AT
 - MINIMUM, PROVIDE CLEANOUTS AS FOLLOWS: A. ALL UPPER TERMINALS
 - B. EACH RUN OF PIPING WHICH IS MORE THAN 75 IN LENGTH OR FRACTION THEREOF
 - HORIZONTAL LINES 5 FEET OR MORE HORIZONTAL LINES FOR EACH AGGREGATE CHANGE OF DIRECTION EXCEEDING 90 DEGREES.
 - E. AT THE BASE OF ALL SANITARY WASTE AND STORM RISERS. ALL VERTICAL CLEANOUTS SHALL BE SIZED TO ACCOMMODATE THE LARGEST PIPE ON THAT BRANCH LINE, BUT NEVER LARGER THAN 4".
 - F. ALL CLEANOUTS FOR HORIZONTAL SANITARY WASTE AND STORM DRAINAGE SYSTEM AT OR BELOW THE GROUND LEVEL SHALL BE PIPE SIZE OR MAXIMUM 6".
 - G. ALL GREASE WASTE PIPING SHALL HAVE CLEANOUTS EVERY 50 FEET OR FRACTIONS THEREOF AND AS NOTED ABOVE. H. PROVIDE IN ACCESSIBLE LOCATIONS.
 - 4. ALL FLOOR DRAINS IN THE BUILDING, EXCEPT DRAINS IN SHOWERS AND SHOWER AREAS OR AS NOTED ON THE FLOOR PLAN, SHALI BE INSTALLED WITH AN ASSE 1072 LISTED BARRIER TYPE FLOOR DRAIN TRAP SEAL PROTECTION DEVICE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR TO VERIFY THAT ASSE 1072 LISTED BARRIER TYPE FLOOR DRAIN TRAP SEAL PROTECTION DEVICE ARE ACCEPTABLE PRIOR TO START OF CONSTRUCTION.

- DOMESTIC WATER: 1. NO DOMESTIC WATER LINES SHALL LOCATED EXPOSED IN FINISHED SPACES OR BE LOCATED BELOW BUILDING SLAB UNLESS NOTED OTHERWISE ON PLANS. WHERE SHOWN, MINIMIZE THE NUMBER OF JOINTS ON ANY PRESSURIZED PIPING BELOW SLABS. ALL BELOW GRADE PIPING TO BE PRESSURE TESTED AND WITNESSED BY ENGINEER BEFORE BACKFILLING.
- 2. SEE SPECIFICATIONS AND DETAILS FOR WATER HAMMER ARRESTER SIZING. PROVIDE A WATER HAMMER ARRESTER PER THE LATEST VERSION OF PDI-WH 201 ALONG WITH THE FOLLOWING:
- A. WATER CLOSET AND URINAL FLUSH VALVES
- B. BATTERY OPERATED FAUCETS
- C. REFRIGERATOR ICE MAKERS D. DISHWASHERS
- MECHANICAL EQUIPMENT
- F. SOLENOID OPERATED EQUIPMENT
- 3. PROVIDE ISOLATION VALVES ON PIPING SERVING RISERS, BRANCH LINES OFF OF MAINS, RESTROOMS, HOSE BIBBS, AND MECHANICAL AND PLUMBING EQUIPMENT.
- 4. MAINTAIN DESIGNATED PLUMBING FIXTURE HEADER SIZE FOR FULL BANK OF FIXTURES.
- 5. ALL DOMESTIC WATER PIPING SERVING TOILET/RESTROOM GROUPS SHALL BE INSTALLED WITH ISOLATION VALVES IN ORDER TO ISOLATE THESE AREAS WITHOUT CLOSING DOWN ANY OTHER PORTION OF THE BUILDING WATER SUPPLY SYSTEMS. ALL ISOLATION VALVES SHALL BE ACCESSIBLE ABOVE AN ACCESSIBLE CEILING OR WITH AN ACCESS PANELS. MINIMUM ACCESS PANEL SIZE SHALL BE 12"X12". ACCESS PANELS SHALL BE OF THE SAME RATING AS THE RATED ELEMENT IN WHICH THEY ARE INSTALLED.

GENERAL NOTES - PLENUM RETURN

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA CONSTRUCTION CODE & ITS ADOPTED AMENDMENTS: INCLUDING BUT NOT LIMITED TO THE NATIONAL ELECTRIC CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL ENERGY CONSERVATION CODE, AND INTERNATIONAL PLUMBING CODE, SEE ARCHITECTURAL COVER SHEET FOR A SPECIFIC LIST OF ADOPTED CODES.
- NOTE THAT THIS BUILDING USES A RETURN AIR PLENUM. ALL EXPOSED PIPING, CONDUIT, WIRING, ETC. WITHIN THE PLENUM SHALL BE RATED TO PASS REQUIRED SMOKE / FLAME RATINGS. ONLY PLENUM RATED MATERIALS SHALL BE USED IN THE CEILING PLENUM SPACE. NON-RATED MATERIALS SHALL NOT BE ACCEPTABLE.
- UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL HVAC, FIRE PROTECTION AND PLUMBING SYSTEMS. CONTRACTOR SHALL FURNISH THESE EVEN IF ITEMS REQUIRED TO ACHIEVE THIS (I.E. OFFSETS, ISOLATION AND BALANCING DEVICES, MAINTENANCE CLEARANCES, ETC.) ARE NOT SPECIFICALLY SHOWN.
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS AS LISTED BELOW. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE A/E TEAM PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE A/E TEAM'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.
- DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO THE ACTUAL CONDITIONS OF
- 6. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. THEY SHOW CERTAIN PHYSICAL RELATIONSHIPS WHICH MUST BE ESTABLISHED WITHIN THE VARIOUS DIVISIONS SCOPE OF WORK AND ITS INTERFACE WITH OTHER TRADES. IF CONFLICTS EXIST, PRIORITY OF LOCATION IN REFLECTED CEILING GRID SHALL BE AS FOLLOWS FROM HIGH TO LOW: LIGHTS,
- SPRINKLER, MECHANICAL, FIRE ALARM DEVICES. ESTABLISHING THIS RELATIONSHIP IN THE FIELD IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. THIS DIVISION SHALL COORDINATE ITS WORK WITH ALL DIVISIONS OF THE WORK AND ADJUST ITS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF
- A. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS. B. CERTAIN SYSTEMS REQUIRE ENGINEERING OF INSTALLATION DETAILS BY CONTRACTOR. UNLESS FULLY DETAILED IN THE
- CONTRACT DOCUMENTS, SUCH ENGINEERING IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHERE CLEARANCES ARE LIMITED, AND WHERE INSTALLATION DRAWINGS OR SCHEMATICS, "CONSTRUCTION DRAWINGS", OR COORDINATION DRAWINGS MAY BE REQUIRED IN ACCORDANCE WITH, OR IN EXCESS OF, THOSE REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR SHALL PREPARE ALL SUCH COORDINATION DRAWINGS AS PART OF THE BASE CONTRACT. SUCH DRAWINGS MAY BE SUBMITTED TO THE
- ARCHITECT/ENGINEER FOR RECORD AND COMMENT. ANY WORK INSTALLED WITHOUT APPROVED COORDINATION DRAWINGS IS DONE AT THE CONTRACTOR'S RISK.
- D. THESE NOTES ONLY SUPPLEMENT, AND DO NOT REPLACE, THE SPECIFICATIONS.
- DIVISIONS A. 1: GENERAL, 21: FIRE SUPPRESSION, 22: PLUMBING, 23: HVAC, 25: AUTOMATION, 26: ELECTRICAL, 27: COMMUNICATIONS, 28:
- ELECTRONIC SAFETY AND SECURITY 9. DEFINITIONS AND TERMINOLOGY A. THE DEFINITIONS AND GENERAL CONDITIONS OF THIS SPECIFICATION ALSO APPLY TO MEP DIVISION CONTRACT DOCUMENTS. B. CONTRACT DOCUMENTS CONSTITUTE THE DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, PROJECT MANUALS, ETC., PREPARED BY ENGINEER (OR OTHER DESIGN PROFESSIONAL IN ASSOCIATION WITH ENGINEER) FOR CONTRACTOR'S BID OR
- CONTRACTOR'S NEGOTIATIONS WITH THE OWNER. THESE DRAWINGS AND SPECIFICATIONS PREPARED BY THE ENGINEER ARE NOT CONSTRUCTION DOCUMENTS C. CONSTRUCTION DOCUMENTS, CONSTRUCTION DRAWINGS, AND SIMILAR TERMS FOR THIS WORK REFER TO INSTALLATION DIAGRAMS, SHOP DRAWINGS AND COORDINATION DRAWINGS PREPARED BY THE CONTRACTOR USING THE DESIGN INTENT
- INDICATED ON THE ENGINEER'S CONTRACT DOCUMENTS. THESE SPECIFICATIONS DETAIL THE CONTRACTOR'S RESPONSIBILITY FOR "ENGINEERING BY CONTRACTOR" AND FOR PREPARATION OF CONSTRUCTION DOCUMENTS.
- (N) INDICATES NEW EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT. (E) INDICATES EXISTING EQUIPMENT ON SITE WHICH MAY OR MAY NOT NEED TO BE RELOCATED AS A PART OF THIS WORK.
- (R) INDICATES EXISTING EQUIPMENT TO BE RELOCATED AS PART OF THIS WORK.
- G. FURNISH MEANS TO SUPPLY AND USUALLY REFERS TO AN ITEM OF EQUIPMENT
- H. INSTALL MEANS TO SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER.
- PROVIDE MEANS TO FURNISH AND INSTALL. J. EQUIVALENT MEANS MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS.
- SIGNIFICANT ASPECTS SHALL BE AS DETERMINED BY THE ARCHITECT/ENGINEER. K. WORK BY OTHER(S) DIVISIONS, AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN HIS/HER SUPPLIERS,
- L. BY INFERENCE, ANY REFERENCE TO A CONTRACTOR OR SUB-CONTRACTOR MEANS THE ENTITY WHICH HAS CONTRACTED WITH

SUBCONTRACTORS AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT/ENGINEER BEFORE SUBMITTING

THE OWNER FOR THE WORK OF THE CONTRACT DOCUMENTS. M. ENGINEER MEANS THE DESIGN PROFESSIONAL FIRM WHICH HAS PREPARED THESE CONTRACT DOCUMENTS. ALL QUESTIONS. SUBMITTALS, ETC. OF THIS DIVISION SHALL BE ROUTED THROUGH THE ARCHITECT TO THE ENGINEER (THROUGH PROPER CONTRACTUAL CHANNELS)

PLUMBING LEGEND

FLOOR DRAIN (SEE SCHEDULE)

FLOOR SINK (SEE SCHEDULE)

MEP Sheet List

Number	Sheet Name
M 1.0	MECHANICAL NOTES
M 2.0	MECHANICAL DEMOLITION PLAN
E 1.0	ELECTRICAL NOTES
E 2.0	ELECTRICAL BARRICADE PLAN
E 3.0	ELECTRICAL PLANS
E 3.1	LOW VOLTAGE PLAN
M 3.0	MECHANICAL NEW WORK PLAN
P 1.0	PLUMBING NOTES
P 3.0	PLUMBING PLANS

REQ. SUBMITTALS

FIRE PROTECTION NOTES

F 3.0 FIRE PROTECTION PLAN

<u>MECHANICAL</u>

 ALL MECHANICAL EQUIPMENT PER SHEDULES GRILLS, REGISTERS, & DIFFUSERS

ELECTRICAL LUMINAIRES

LIGHTING CONTROLS

PIPING MATERIALS (DWV, DOMESTIC, ETC.)

FIRE PROTECTION SPRINKLER SHOP DRAWINGS

PLUMBING FIXTURES PER SCHEDULE

- SPRINKLER DEVICES
- FIRE ALARM SHOP DRAWINGS FIRE ALARM DEVICES

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DESCRIPTION

TRUE. ITALIAN.

Puro Gusto

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Terminal 1, Space# 2021S

Morrisville, NC 27560

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05/08/25

ISSUANCE SCHEDULE

NC LICENSE NUM: <u>33651 -</u> EXP: 12/31/2025

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SHEET TITLE

DRAWN BY:

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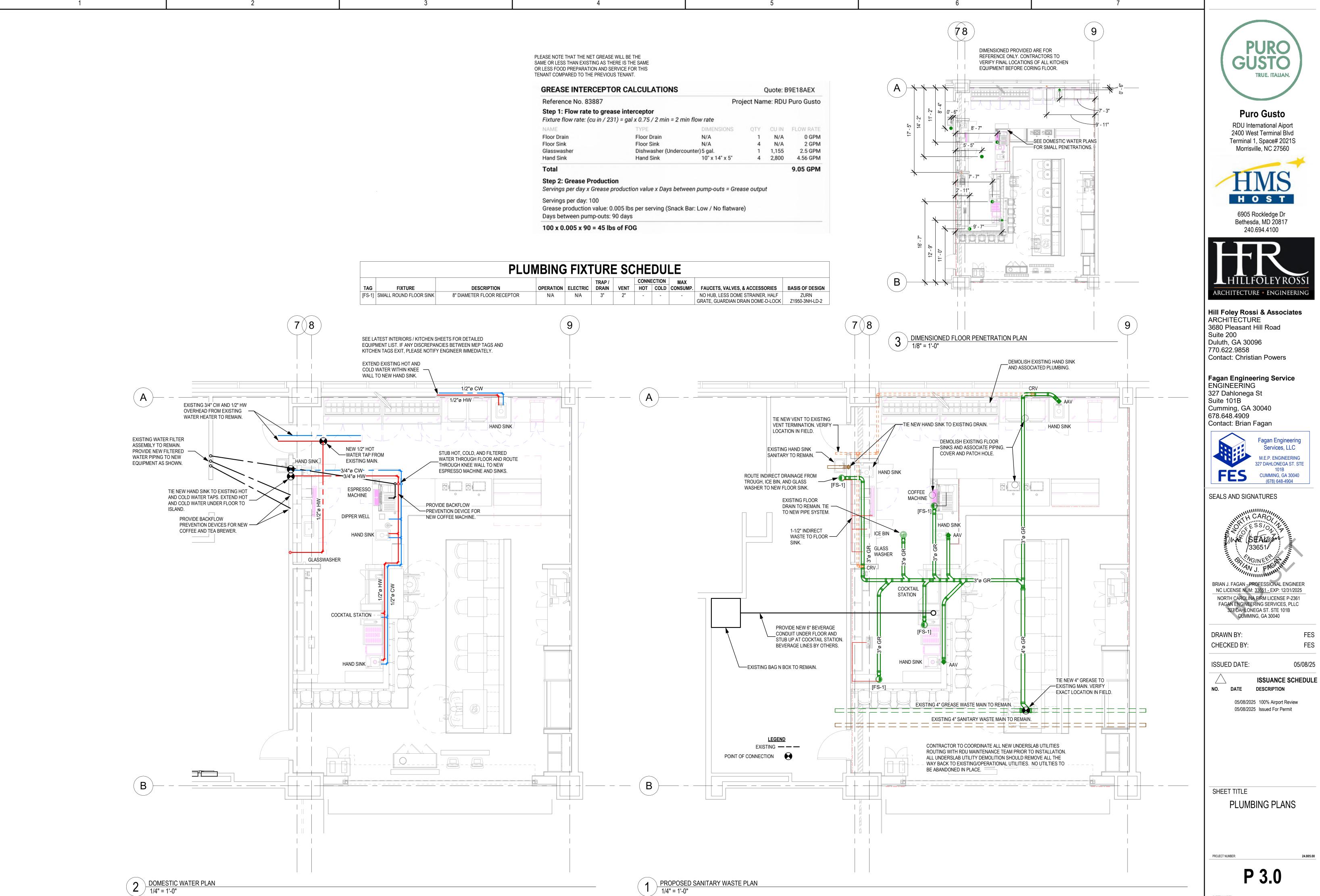
ISSUED DATE:

NO. DATE

PLUMBING NOTES

PROJECT NUMBER:

SHEET NUMBER:





ACTION NOTES:

ANY DEVICE TROUBLE

DUCT SMOKE DETECTORS

SPRINKLER SYSTEM FLOW

SPRINKLER SYSTEM TAMPER

1. ALARM INPUT SHALL ACTIVATE AUDIBLE/VISUAL SIGNALS IN THE BUILDING AND CAUSE APPROPRIATE RESPONSE OF CONTROLLED FUNCTIONS, RELEASE OF APPROPRIATE MAGNETIC DOOR HOLD OPEN DEVICES, ETC AND REPOT TO UL APPROVED CENTRAL MONITORING STATION, MONITORING STATION REQUIREMENTS SHALL BE COORDINATED WITH OWNER AS REQUIRED.

2. ALARM INPUT SHALL CAUSE RESPECTIVE AIR HANDLERS TO SHUT DOWN. 3. SUPERVISORY SIGNAL SHALL BE REPORTED TO UL APPROVED CENTRAL MONITORING STATION AND AN AUDIBLE TONE SHALL SOUND AT THE FIRE ALARM CONTROL PANEL AND THE ANNUNCIATOR PANEL

4. TROUBLE SHALL BE REPORTED TO UL APPROVED CENTRAL MONITORING STATION AND AN AUDIBLE TONE SHALL SOUND AT THE FIRE ALARM CONTROL PANEL AND THE ANNUNCIATOR PANEL

FIRE ALARM NOTES

1. EXISTING FIRE ALARM SYSTEM SHOWN FOR INFORMATION ONLY. CONTRACTOR TO FIELD VERIFY EXACT SYSTEM LAYOUT AND INTERCONNECTION REQUIREMENTS OF EXISTING FIRE ALARM PRIOR TO PRICING SYSTEM EXPANSION. ADDITIONAL

EXPANSION MODULES AND WIRING MAY BE REQUIRED. 2. FIRE ALARM DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH NFPA 72 AND ADA.

ALL FIRE ALARM WIRING SHALL BE IN CONDUIT OR AS ALLOWED BY NEC. UNLESS EXEMPT FOR SMALL CHANGES, ELECTRICAL CONTRACTOR TO PROVIDE AUTHORITY HAVING JURISDICTION WITH FIRE ALARM SYSTEM INSTALLATION PLANS FOR APPROVAL PRIOR TO INSTALLATION.

5. PER EXISTING BUILDING PLANS, THE EXISTING FIRE ALARM CONTROL PANEL IS MONITORED BY AN APPROVED UL CENTRAL MONITORING STATION.

ACTUATION OF ANY PULL STATION, SPRINKLER FLOW SWITCH, OR HEAT/SMOKE/DUCT DETECTOR SHALL ACTIVATE ALL ALARM SIGNALS AS REQUIRED BY NFPA 72.

TESTING OF THE FIRE ALARM SYSTEM SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. 8. ALL NEW DEVICES AND EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING SYSTEM. PROVIDE ALL CONDUIT, WIRING DEVICES, ETC. FOR A COMPLETE AND WORKING

9. VERIFY QUANTITIES PER PLANS AND REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION TO ASSURE THAT BID INCLUDES ALL WORK REQUIRED TO OBTAIN CERTIFICATE OF OCCUPANCY.

10. PROVIDE INTERFACE AND CONNECTIONS FOR HVAC UNIT SHUTDOWN WHERE REQUIRED. FIELD COORDINATE CONNECTIONS AND REQUIRED AIR HANDLERS WITH MECHANICAL CONTRACTOR.

11. MANUAL PULL STATIONS SHALL BE A DUAL ACTION TYPE. 12. DUCT SMOKE DETECTORS SHALL BE SUPPLIED AND INSTALLED BY MECH.

CONTRACTOR, WIRED BY FIRE ALARM CONTRACTOR. 13. CONTRACTOR SHALL PROVIDE A REVISED FIRE ALARM LAYOUT PLAN AT THE FACP

AND ALL ANNUNCIATOR PANELS.

14. AUDIBLE DEVICES SHALL BE A MINIMUM OF 15 DBA HIGHER THAN AMBIENT. PER NFPA 72 A.18.4.4, AVERAGE AMBIENT FOR BUSINESS IS 54 DBA, SO HORN DEVICES SHALL PROVIDE A MINIMUM OF 70 DBA TO THE SPACE. VOICE MESSAGES ARE NOT REQUIRED TO MEET DBA CRITERIA, BUT SHALL MEET INTELLIGIBILITY REQUIREMENTS.

FIRE ALARM NOTES

1. ALL ELECTRICAL WORK SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA-70), NATIONAL FIRE ALARM CODE (NFPA-72), LIFE SAFETY CODE (NFPA-101) AND THE APPLICABLE UNIFORM CONSTRUCTION CODE AND LOCAL ORDINANCES.

2. ALL CONDUCTORS SHALL BE COPPER. ALUMINUM WIRE WILL NOT

3. ALL CIRCUITS SHALL BE MINIMUM WIRE SIZE OF #16 AWG.

4. FIRE ALARM CONTROL PANEL AND DEVICE INSTALLATION SHALL COMPLY WITH ICC/ANSI 117A.1 AND ALL OTHER ADA CODES AND REQUIREMENTS.

5. PULL STATIONS SHALL BE MOUNTED AT 48" AFF TO THE TOP OF THE BOX. THE PULL LEVER MUST BE LOCATED BELOW 48" AFF.

6. AUDIBLE APPLIANCES (HORNS, SPEAKERS) SHALL BE WALL MOUNTED WITH THE TOP NOT LESS THAN 90" AFF OR CEILING MOUNTED AS INDICATED ON PLANS.

7. VISIBLE APPLIANCES (STROBES) AND COMBINATION AUDIBLE/VISIBLE APPLIANCES (HORN/STROBES. SPEAKER/STROBES) SHALL BE WALL MOUNTED MOUNTED WITH THE ENTIRE LENS ABOVE 80" AFF AND BELOW 96" AFF OR SHALL BE CEILING MOUNTED ACCORDING TO LISTING AS INDICATED ON PLANS. ALL STROBES WITHIN THE SAME ROOM OR CORRIDOR SHALL HAVE A SYNCHRONIZED FLASH.

8. DETECTORS SHALL NOT BE LOCATED CLOSER THAN (3) FEET FROM VENTILATION REGISTERS.

9. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.SOME JURISDICTIONS REQUIRE ALL FIRE ALARM CABLING TO BE INSTALLED IN METAL CONDUIT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND COMPLY WITH THESE REQUIREMENTS.

SPRINKLER SPECIFICATIONS

PART 1 - GENERAL 1. SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA FOR VALVES, SPRINKLERS, SPECIALTIES, AND ALARMS. a. SUBMIT SPRINKLER SYSTEM DRAWINGS IDENTIFIED AS "WORKING PLANS" AND CALCULATIONS ACCORDING TO NFPA 13. PLANS AND CALCULATIONS MUST BE SIGNED AND SEALED BY A LICENSED FIRE PROTECTION ENGINEER.

SUBMIT REQUIRED NUMBER OF SETS TO AUTHORITIES HAVING JURISDICTION FOR REVIEW, COMMENT, AND APPROVAL. INCLUDE SYSTEM HYDRAULIC CALCULATIONS WHERE APPLICABLE. SUBMIT TEST REPORTS AND CERTIFICATES AS DESCRIBED IN NFPA 13.

DESIGN AND INSTALLATION APPROVAL: ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

HYDRAULICALLY DESIGN SPRINKLER SYSTEMS ACCORDING TO NFPA 13.

D. COMPLY WITH NFPA 13 AND NFPA 70. E. UL-LISTED AND -LABELED AND FMG-APPROVED PIPE AND FITTINGS.

PART 2 - PRODUCTS PIPE AND FITTINGS

A. STEEL PIPE: ASTM A 53/A 53M, ASTM A 135, OR ASTM A 795.

COPPER TUBE: ASTM B 88. TYPE L OR M: DRAWN TEMPER. GROOVED-END FITTINGS: UL-LISTED AND FMG-APPROVED, ASTM A 536, GRADE 65-45-12 DUCTILE IRON OR ASTM A 47

GRADE 32510 MALLEABLE IRON, WITH GROOVES OR SHOULDERS DESIGNED TO ACCEPT GROOVED COUPLINGS. D. GROOVED-END COUPLINGS: UL 213, ASTM A 536 DUCTILE-IRON OR ASTM A 47 MALLEABLE-IRON HOUSING, WITH

ENAMEL FINISH. INCLUDE GASKETS, BOLTS, AND ACCESSORIES. WROUGHT-COPPER FITTINGS: ASME B16.22, STREAMLINED PATTERN.

VALVES A. FIRE-PROTECTION SERVICE VALVES: UL LISTED AND FMG APPROVED, WITH 175-PSIG NONSHOCK MINIMUM WORKING-PRESSURE RATING. VALVES FOR USE WITH GROOVED PIPING MAY BE GROOVED TYPE. INDICATING VALVES SHALL BE BUTTERFLY OR BALL TYPE, BRONZE BODY WITH THREADED ENDS, AND INTEGRAL INDICATING DEVICE WITH 115-V AC.

ELECTRIC, SINGLE-CIRCUIT SUPERVISORY SWITCH INDICATOR. B. GATE VALVES: UL 262, CAST BRONZE, THREADED ENDS, SOLID WEDGE, OUTSIDE SCREW AND YOKE, RISING STEM. SWING CHECK VALVES, NPS 2 AND SMALLER: UL 312 OR MSS SP-80, CLASS 150; BRONZE BODY WITH BRONZE DISC AND

THREADED ENDS D. SWING CHECK VALVES, NPS 2-1/2 AND LARGER: UL 312, CAST-IRON BODY AND BOLTED CAP, WITH BRONZE DISC OR

CAST-IRON DISC WITH BRONZE-DISC RING AND FLANGED ENDS. ALARM CHECK VALVES: UL 193, 175-PSIG WORKING PRESSURE, DESIGNED FOR HORIZONTAL OR VERTICAL INSTALLATION, WITH CAST-IRON FLANGED INLET AND OUTLET, BRONZE GROOVED SEAT WITH O-RING SEALS, AND SINGLE-HINGE PIN AND LATCH DESIGN. INCLUDE TRIM SETS FOR BYPASS, DRAIN, ELECTRIC SPRINKLER ALARM SWITCH, PRESSURE GAGES, RETARDING CHAMBER, FILL-LINE ATTACHMENT WITH STRAINER, AND DRIP CUP

F. BALL DRIP VALVES: UL 1726, AUTOMATIC DRAIN VALVE, NPS 3/4, BALL CHECK DEVICE WITH THREADED ENDS.

SPRINKLERS AUTOMATIC SPRINKLERS: WITH HEAT-RESPONSIVE ELEMENT COMPLYING WITH THE FOLLOWING:

a. UL 199, FOR APPLICATIONS EXCEPT RESIDENTIAL. B. SPRINKLER TYPES AND CATEGORIES: NOMINAL 1/2-INCH ORIFICE FOR "ORDINARY" TEMPERATURE CLASSIFICATION

RATING. UNLESS OTHERWISE INDICATED OR REQUIRED BY APPLICATION. C. SPRINKLER TYPES INCLUDE THE FOLLOWING:

a. UPRIGHT AND PENDENT SPRINKLERS.

QUICK-RESPONSE SPRINKLERS.

SPRINKLER FINISHES: CHROME PLATED AND BRONZE. SPRINKLER ESCUTCHEONS: CHROME-PLATED STEEL, ONE PIECE, FLAT.

SPRINKLER GUARDS: WIRE-CAGE TYPE, INCLUDING FASTENING DEVICE.

SPRINKLER CABINETS: FINISHED STEEL CABINET AND HINGED COVER, WITH SPACE FOR MINIMUM OF 6 SPARE SPRINKLERS PLUS SPRINKLER WRENCH, SUITABLE FOR WALL MOUNTING. INCLUDE NUMBER OF SPRINKLERS REQUIRED BY NFPA 13 AND ONE WRENCH FOR SPRINKLERS. INCLUDE SEPARATE CABINET WITH SPRINKLERS AND WRENCH FOR EACH STYLE SPRINKLER ON PROJECT.

SPECIALTIES AND ALARMS A. FIRE DEPARTMENT CONNECTIONS: UL 405, FLUSH, WALL-TYPE, WITH CAST-BRASS BODY; NH-STANDARD THREAD INLETS MATCHING LOCAL FIRE DEPARTMENT THREADS; AND HAVING TWO NPS 2-1/2 INLETS AND NPS 4 OUTLET.

a. INLET ALIGNMENT: INLINE, HORIZONTAL, UNLESS OTHERWISE INDICATED.

CLAPPER TYPE: DROP CLAPPERS IN BODY.

DIRECTION OF OUTLET: BACK, UNLESS OTHERWISE INDICATED.

FINISH: ROUGH CHROME-PLATED. WATER-FLOW INDICATORS: UL 346; ELECTRICAL-SUPERVISION, VANE-TYPE WATER-FLOW DETECTOR; WITH 250-PSIG PRESSURE RATING; AND DESIGNED FOR HORIZONTAL OR VERTICAL INSTALLATION. INCLUDE 2 SINGLE-POLE, DOUBLE-THROW, CIRCUIT SWITCHES FOR ISOLATED ALARM AND AUXILIARY CONTACTS, 7 A, 125-V AC AND 0.25 A, 24-V DC; COMPLETE WITH FACTORY-SET, FIELD-ADJUSTABLE RETARD ELEMENT TO PREVENT FALSE SIGNALS AND

TAMPERPROOF COVER THAT SENDS SIGNAL IF REMOVED. PRESSURE SWITCHES: UL 753: ELECTRICAL-SUPERVISION-TYPE, WATER-FLOW SWITCH WITH RETARD FEATURE. INCLUDE SINGLE-POLE, DOUBLE-THROW, NORMALLY CLOSED CONTACTS AND DESIGN THAT OPERATES ON RISING

PRESSURE AND SIGNALS WATER FLOW. D. VALVE SUPERVISORY SWITCHES: UL 753; ELECTRICAL; SINGLE-POLE, DOUBLE THROW; WITH NORMALLY CLOSED CONTACTS. INCLUDE DESIGN THAT SIGNALS CONTROLLED VALVE IS IN OTHER THAN FULLY OPEN POSITION. PRESSURE GAGES: UL 393, 3-1/2- TO 4-1/2-INCH- DIAMETER DIAL WITH DIAL RANGE OF 0 TO 250 PSIG.

PART 3 - EXECUTION

1. PIPE AND FITTING APPLICATION USE STEEL PIPE WITH THREADED, ROLL-GROOVED, OR CUT-GROOVED JOINTS; COPPER TUBE WITH WROUGHT. COPPER FITTINGS AND BRAZED JOINTS

a. FOR STEEL PIPE JOINED BY THREADED FITTINGS, USE SCHEDULE 40. FOR STEEL PIPE JOINED BY WELDING OR ROLL-GROOVED PIPE AND FITTINGS, USE SCHEDULE 10.

B. PIPE BETWEEN FIRE DEPARTMENT CONNECTIONS AND CHECK VALVES: USE GALVANIZED STEEL PIPE WITH FLANGED INSTALL SHUTOFF VALVE, CHECK VALVE, BACKFLOW PREVENTER, PRESSURE GAGE, DRAIN, AND OTHER

ACCESSORIES INDICATED AT CONNECTION TO WATER SERVICE PIPING. INSTALL "INSPECTOR'S TEST CONNECTIONS" IN SPRINKLER PIPING, COMPLETE WITH SHUTOFF VALVE.

INSTALL SPRINKLER ZONE CONTROL VALVES, TEST ASSEMBLIES, AND DRAIN HEADERS ADJACENT TO STANDPIPES WHEN SPRINKLER PIPING IS CONNECTED TO STANDPIPE. INSTALL BALL DRIP VALVES TO DRAIN PIPING BETWEEN FIRE DEPARTMENT CONNECTIONS AND CHECK VALVES, AND WHERE INDICATED. DRAIN TO FLOOR DRAIN OR OUTSIDE BUILDING.

INSTALL ALARM DEVICES IN PIPING SYSTEMS. INSTALL PRESSURE GAGES ON RISER OR FEED MAIN, AT EACH SPRINKLER TEST CONNECTION, AND AT TOP OF EACH

RISER. INSTALL GAGES TO PERMIT REMOVAL, AND INSTALL WHERE THEY WILL NOT BE SUBJECT TO FREEZING. INSTALL FIRE-PROTECTION SERVICE VALVES SUPERVISED-OPEN. LOCATED TO CONTROL SOURCES OF WATER SUPPLY EXCEPT FROM FIRE DEPARTMENT CONNECTIONS. WHERE THERE IS MORE THAN ONE CONTROL VALVE, PROVIDE PERMANENTLY MARKED IDENTIFICATION SIGNS INDICATING PORTION OF SYSTEM CONTROLLED BY EACH VALVE.

G. INSTALL CHECK VALVE IN EACH WATER SUPPLY CONNECTION. INSTALL BACKFLOW PREVENTERS INSTEAD OF CHECK VALVES IN POTABLE-WATER SUPPLY SOURCES. INSTALL ALARM CHECK VALVES IN VERTICAL POSITION FOR PROPER DIRECTION OF FLOW, INCLUDING BYPASS CHECK

VALVE AND RETARD CHAMBER DRAIN LINE CONNECTION. SPRINKLER APPLICATIONS

ROOMS WITHOUT CEILINGS: UPRIGHT SPRINKLERS.

ROOMS WITH SUSPENDED CEILINGS: PENDANT SPRINKLERS.

SPECIAL APPLICATIONS: USE EXTENDED COVERAGE, AND QUICK-RESPONSE SPRINKLERS WHERE INDICATED. SPRINKLER FINISHES: CHROME PLATED IN FINISHED SPACES EXPOSED TO VIEW, ROUGH BRONZE IN UNFINISHED SPACES NOT EXPOSED TO VIEW.

INSTALL SPRINKLERS IN SUSPENDED CEILINGS IN CENTER OF TILES. SPECIALTIES AND ALARMS INSTALLATIONS

INSTALL FIRE DEPARTMENT CONNECTIONS WITH BALL DRIP VALVES INSTALLED AT EACH CHECK VALVE FOR FIRE DEPARTMENT CONNECTION TO MAINS. EXTEND TO FLOOR DRAIN OR OUTSIDE BUILDING.

B. CONNECT ALARM DEVICES TO FIRE ALARM SYSTEM.

TESTING

PERFORM FIELD ACCEPTANCE TESTS OF EACH FIRE-PROTECTION SYSTEM.

B. FLUSH, TEST, AND INSPECT SPRINKLER PIPING SYSTEMS ACCORDING TO NFPA 13, CHAPTER "SYSTEM ACCEPTANCE."

MEP Sheet List

M 1.0	MECHANICAL NOTES
M 2.0	MECHANICAL DEMOLITION PLAN
E 1.0	ELECTRICAL NOTES
E 2.0	ELECTRICAL BARRICADE PLAN
E 3.0	ELECTRICAL PLANS
E 3.1	LOW VOLTAGE PLAN
M 3.0	MECHANICAL NEW WORK PLAN
P 1.0	PLUMBING NOTES
P 3.0	PLUMBING PLANS
F 1.0	FIRE PROTECTION NOTES
F 3.0	FIRE PROTECTION PLAN

GENERAL NOTES - PLENUM RETURN

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA CONSTRUCTION CODE & ITS ADOPTED AMENDMENTS; INCLUDING BUT NOT LIMITED TO THE NATIONAL ELECTRIC CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL ENERGY CONSERVATION CODE, AND INTERNATIONAL PLUMBING CODE, SEE ARCHITECTURAL COVER SHEET FOR A SPECIFIC LIST OF ADOPTED CODES. NOTE THAT THIS BUILDING USES A RETURN AIR PLENUM. ALL EXPOSED PIPING, CONDUIT, WIRING, ETC. WITHIN THE PLENUM SHALL

BE RATED TO PASS REQUIRED SMOKE / FLAME RATINGS. ONLY PLENUM RATED MATERIALS SHALL BE USED IN THE CEILING PLENUM SPACE. NON-RATED MATERIALS SHALL NOT BE ACCEPTABLE. 3. UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND

INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL HVAC, FIRE PROTECTION AND PLUMBING SYSTEMS. CONTRACTOR SHALL FURNISH THESE EVEN IF ITEMS REQUIRED TO ACHIEVE THIS (I.E. OFFSETS, ISOLATION AND BALANCING DEVICES, MAINTENANCE CLEARANCES, ETC.) ARE NOT SPECIFICALLY SHOWN.

5. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE

THE CONTRACTOR SHALL PROVIDE SUBMITTALS AS LISTED BELOW. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE A/E TEAM PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE A/E TEAM'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.

CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO THE ACTUAL CONDITIONS OF 6. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. THEY SHOW CERTAIN PHYSICAL RELATIONSHIPS

WHICH MUST BE ESTABLISHED WITHIN THE VARIOUS DIVISIONS SCOPE OF WORK AND ITS INTERFACE WITH OTHER TRADES. IF

CONFLICTS EXIST, PRIORITY OF LOCATION IN REFLECTED CEILING GRID SHALL BE AS FOLLOWS FROM HIGH TO LOW: LIGHTS, SPRINKLER, MECHANICAL, FIRE ALARM DEVICES. ESTABLISHING THIS RELATIONSHIP IN THE FIELD IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. THIS DIVISION SHALL COORDINATE ITS WORK WITH ALL DIVISIONS OF THE WORK AND ADJUST ITS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF

THE PROJECT. A. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS. B. CERTAIN SYSTEMS REQUIRE ENGINEERING OF INSTALLATION DETAILS BY CONTRACTOR. UNLESS FULLY DETAILED IN THE

CONTRACT DOCUMENTS, SUCH ENGINEERING IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHERE CLEARANCES ARE LIMITED, AND WHERE INSTALLATION DRAWINGS OR SCHEMATICS, "CONSTRUCTION DRAWINGS", OR COORDINATION DRAWINGS MAY BE REQUIRED IN ACCORDANCE WITH, OR IN EXCESS OF, THOSE REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR SHALL PREPARE ALL SUCH COORDINATION DRAWINGS AS PART OF THE BASE CONTRACT. SUCH DRAWINGS MAY BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR RECORD AND COMMENT. ANY WORK INSTALLED WITHOUT APPROVED COORDINATION DRAWINGS IS

DONE AT THE CONTRACTOR'S RISK. D. THESE NOTES ONLY SUPPLEMENT, AND DO NOT REPLACE, THE SPECIFICATIONS.

A. 1: GENERAL, 21: FIRE SUPPRESSION, 22: PLUMBING, 23: HVAC, 25: AUTOMATION, 26: ELECTRICAL, 27: COMMUNICATIONS, 28: **ELECTRONIC SAFETY AND SECURITY**

9. DEFINITIONS AND TERMINOLOGY THE DEFINITIONS AND GENERAL CONDITIONS OF THIS SPECIFICATION ALSO APPLY TO MEP DIVISION CONTRACT DOCUMENTS. B. CONTRACT DOCUMENTS CONSTITUTE THE DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, PROJECT MANUALS, ETC., PREPARED BY ENGINEER (OR OTHER DESIGN PROFESSIONAL IN ASSOCIATION WITH ENGINEER) FOR CONTRACTOR'S BID OR CONTRACTOR'S NEGOTIATIONS WITH THE OWNER. THESE DRAWINGS AND SPECIFICATIONS PREPARED BY THE ENGINEER ARE

NOT CONSTRUCTION DOCUMENTS. C. CONSTRUCTION DOCUMENTS, CONSTRUCTION DRAWINGS, AND SIMILAR TERMS FOR THIS WORK REFER TO INSTALLATION DIAGRAMS, SHOP DRAWINGS AND COORDINATION DRAWINGS PREPARED BY THE CONTRACTOR USING THE DESIGN INTENT INDICATED ON THE ENGINEER'S CONTRACT DOCUMENTS. THESE SPECIFICATIONS DETAIL THE CONTRACTOR'S RESPONSIBILITY

FOR "ENGINEERING BY CONTRACTOR" AND FOR PREPARATION OF CONSTRUCTION DOCUMENTS. (N) INDICATES NEW EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT.

(E) INDICATES EXISTING EQUIPMENT ON SITE WHICH MAY OR MAY NOT NEED TO BE RELOCATED AS A PART OF THIS WORK. (R) INDICATES EXISTING EQUIPMENT TO BE RELOCATED AS PART OF THIS WORK.

G. FURNISH MEANS TO SUPPLY AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.

H. INSTALL MEANS TO SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER. PROVIDE MEANS TO FURNISH AND INSTALL.

EQUIVALENT MEANS MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS. SIGNIFICANT ASPECTS SHALL BE AS DETERMINED BY THE ARCHITECT/ENGINEER.

K. WORK BY OTHER(S) DIVISIONS, AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN HIS/HER SUPPLIERS, SUBCONTRACTORS AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT/ENGINEER BEFORE SUBMITTING

BY INFERENCE, ANY REFERENCE TO A CONTRACTOR OR SUB-CONTRACTOR MEANS THE ENTITY WHICH HAS CONTRACTED WITH THE OWNER FOR THE WORK OF THE CONTRACT DOCUMENTS.

M. ENGINEER MEANS THE DESIGN PROFESSIONAL FIRM WHICH HAS PREPARED THESE CONTRACT DOCUMENTS. ALL QUESTIONS SUBMITTALS, ETC. OF THIS DIVISION SHALL BE ROUTED THROUGH THE ARCHITECT TO THE ENGINEER (THROUGH PROPER CONTRACTUAL CHANNELS).

SPRINKLER DESIGN NOTES

THIS BUILDING IS CURRENTLY FULLY SPRINKLED. THE CONTRACTOR IS TO MODIFY THE EXISTING FIRE PROTECTION SYSTEM IN STRICT ACCORDANCE WITH NFPA PAMPHLET NUMBER 13, AND APPLICABLE LOCAL AND STATE CODES.

THE SPRINKLER SYSTEM SHALL CONFORM TO THE REGULATIONS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTIONS AND OWNER'S

SPRINKLER AND STANDPIPE SUBMITTALS FOR REVIEW AND APPROVAL SHALL INCLUDE THE FOLLOWING:

A) A RECENT (WITHIN LAST SIX MONTHS) CERTIFIED WATER SUPPLY TEST. (TEST TO

. DATE, TIME AND PERSONS PERFORMING TEST. 2. SITE PLAN DRAWING SHOWING LOCATION WHERE TEST WAS CONDUCTED AND

PROXIMITY TO STRUCTURE (INCLUDE DIMENSIONS) 3. STATIC AND RESIDUAL PRESSURES (IN PSI). FLOW IN GPM.

B) DESIGN CRITERIA FOR SYSTEM.

C) HYDRAULIC CALCULATION PACKAGE SHALL INCLUDE: COVER SHEET

DATA SHEET 3 GRAPH 4. CORRESPONDING NODES TO DRAWINGS

D) DRAWINGS (FLOOR PLANS AND RISER): . IDENTIFY ALL ROOMS AND SPACES.

2. SHOW ALL PIPING AND IT'S SIZES.

SHOW ALL ALARMS AND DEVICES.

3. SHOW ALL HEAD LOCATIONS (AND IDENTIFY TYPE OF HEAD). 4. SHOW MOST REMOTE AREAS.

. SHOW ALL HYDRAULIC REFERENCE POINTS (NODES). 6. SHOW ALL VALVING.

7. SHOW METHOD OF PIPE BRACING (SEISMIC IF REQUIRED). 8. SHOW THRUST BLOCKING AND PRIVATE HYDRANTS (IF REQUIRED).

REQ. SUBMITTALS

 ALL MECHANICAL EQUIPMENT PER SHEDULES GRILLS, REGISTERS, & DIFFUSERS

ELECTRICAL LUMINAIRES LIGHTING CONTROLS

PLUMBING FIXTURES PER SCHEDULE

PIPING MATERIALS (DWV, DOMESTIC, ETC.)

FIRE PROTECTION

 SPRINKLER SHOP DRAWINGS SPRINKLER DEVICES

 FIRE ALARM SHOP DRAWINGS FIRE ALARM DEVICES

TRUE. ITALIAN.

Puro Gusto

RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S Morrisville, NC 27560



6905 Rockledge Dr Bethesda, MD 20817 240.694.4100



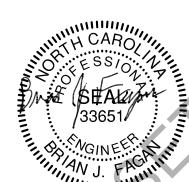
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SEALS AND SIGNATURES



BRIAN J. FAGAN - PROFESSIONAL ENGINEER NC LICENSE NUM: <u>33651 -</u> EXP: 12/31/2025 NORTH CAROLINA FIRM LICENSE P-2361 FAGAN ENGINEERING SERVICES, PLLC 327 DAHLONEGA ST. STE 101B CUMMING, GA 30040

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05/08/25

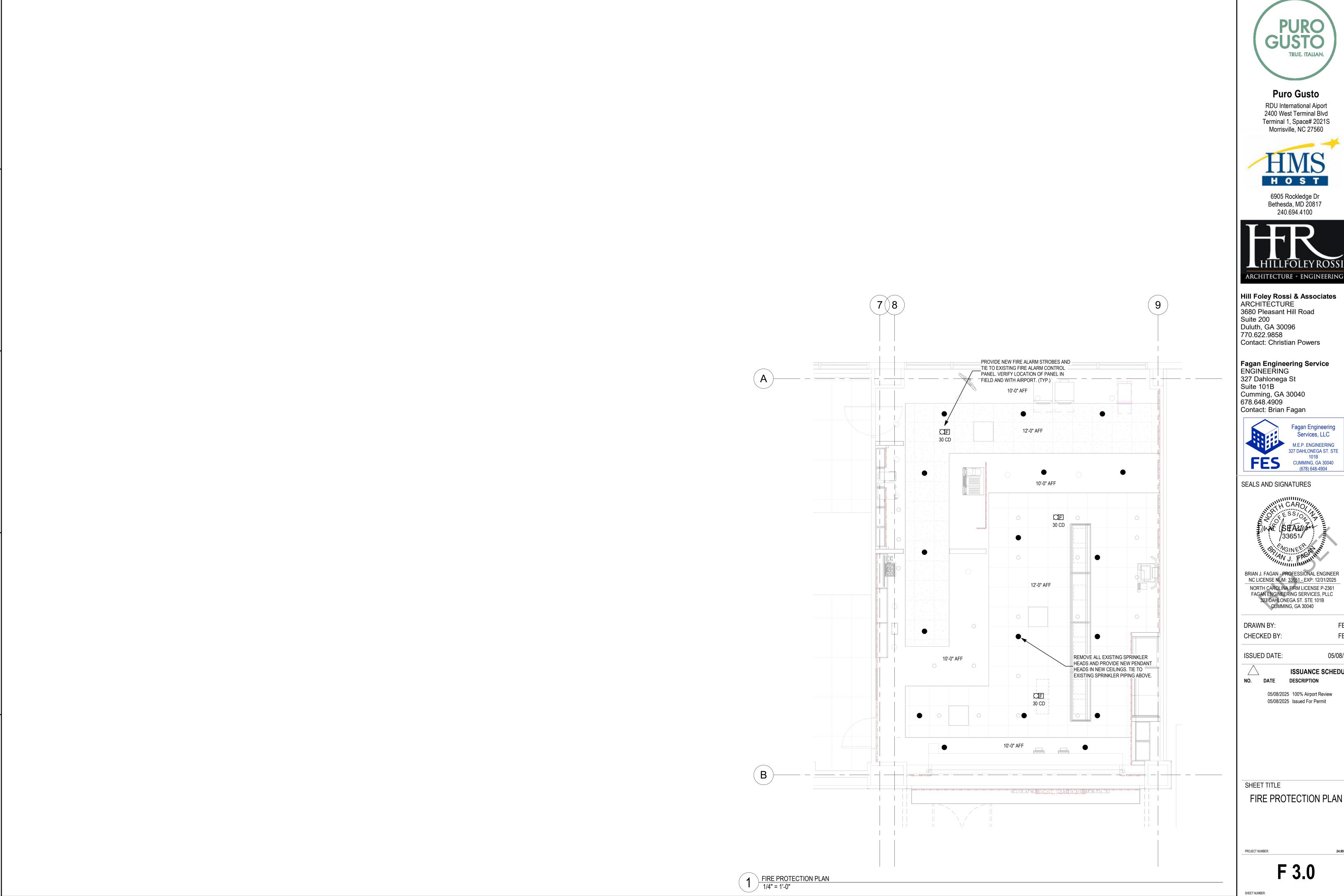
05/08/2025 Issued For Permit

DRAWN BY:

SHEET TITLE FIRE PROTECTION NOTES

PROJECT NUMBER:

SHEET NUMBER





RDU International Aiport 2400 West Terminal Blvd Terminal 1, Space# 2021S



6905 Rockledge Dr Bethesda, MD 20817



Hill Foley Rossi & Associates
ARCHITECTURE Contact: Christian Powers



ISSUANCE SCHEDULE

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FIRE PROTECTION PLAN