ADDENDUM NUMBER 2 IFB #: 0058040

October 24, 2018

PROJECT: Virginia Polytechnic Institute and State University Owens Dining Hall – Food Court Main Serving Line Blacksburg, Virginia 24061

TO ALL BIDDERS:

GENERAL: Addenda are part of the Contract Documents and are issued to amend or interpret the Drawings and Specifications. **The Addenda shall be acknowledged in the Bid Form** in the space provided for addenda acknowledgement.

Addenda list items by Drawings and Specifications. However, only specification items are referenced to Sections. Drawing changes, as well as Specification changes, described in Addenda shall include all Work required by the various trades involved to effect the changes described.

The following addendum includes the Pre-Bid Meeting Notes, Pre-Bid Sign In sheet, and the Lead and Asbestos Report.

OWENS DINING HALL – FOOD COURT MAIN SERVING LINE – PRE-BID QUESTIONS

1. NO PRE-BID QUESTIONS RECEIVED.

OWENS DINING HALL – FOOD COURT MAIN SERVING LINE – PROJECT MANUAL:

- 1. BID FORM HAS BEEN REPLACED IN ITS ENTIRETY, SEE ATTACHMENT A.
- a. Bid is to be submitted on included bid form. All addenda are to be acknowledged on the bid form.
 2. SECTION 01000 LIST OF DRAWINGS HAS BEEN REPLACED IN ITS ENTIRETY, SEE
- 2. SECTION 01000 LIST OF DRAWINGS HAS BEEN REPLACED IN TIS ENTIRETY, SEE ATTACHMENT B.

OWENS DINING HALL – FOOD COURT MAIN SERVING LINE – DRAWINGS:

- 1. DRAWING SET HAS BEEN REISSUED IN ITS ENTIRETY, SEE ATTACHMENT C.
 - **a.** Drawing changes have been clouded, indicated with a revision triangle #1, and identified as Addendum 2 10.22.18.

ADDENDUM #1 – ATTACHMENTS:

- 1. PROJECT MANUAL BID FORM Attachment A
- 2. PROJECT MANUAL SECTION 01000 LIST OF DRAWINGS Attachment B
- **3.** DRAWING SET WITH REVISIONS DATED 10.22.18 Attachment C

ALL OTHER TERMS, CONDITIONS AND DESCRIPTIONS REMAIN THE SAME. THE BID DUE DATE AND TIME HAVE BEEN CHANGED **FROM** NOVEMBER 1, 2018 AT 2:00 P.M **TO** NOVEMBER 6, 2018 AT 2:00 P.M. THE BID OPENING DATE AND TIME HAVE BEEN CHANGED **FROM** NOVEMBER 2, 2018 AT 2:00 P.M **TO** NOVEMBER 7, 2018 AT 2:00 P.M.

END OF ADDENDUM NUMBER 2

ADDENDUM 2 - ATTACHMENT A.

DGS-30-220 (Rev. 04/15)

Standard Bid Form Format

BID FORM

DATE:

PROJECT: OWENS DINING HALL – FOOD COURT MAIN SERVING LINE Virginia Polytechnic Institute & State University IFB Number: 0058040

To: Commonwealth of Virginia Virginia Polytechnic Institute & State University Blacksburg, Virginia

In compliance with and subject to your Invitation for Bids and the documents therein specified, all of which are incorporated herein by reference, the undersigned bidder proposes to furnish all labor, equipment, and materials and perform all work necessary for construction of this project, in accordance with the Plans and Specifications cover sheet dated October 5, 2018, and the Addenda noted below, as prepared by Colley Architects, P.C. in Blacksburg, Virginia for the consideration of the following amount:

BASE BID:

PART A: INTERIOR RENOVATION OF OWENS DINING HALL - FOOD COURT MAIN **SERVING LINE**

Lump sum price for providing and installing all work and materials for a complete installation, and in accordance with the Plans and Specifications. The scope of work includes renovations to the existing eateries in Owens Dining Hall Food Court. Scope of work includes replacement of existing serving line, counter and kneewall, equipment, utility modifications to equipment, new wall and floor tile installation, and selective demolition and modifications to columns in the shops and in the Food Court area.

BASE BID = Dollars _____.

ADDITIVE BID ITEM:

ADDITIVE BID ITEM #1: PARTIAL REPLACEMENT EXISTING FOOD COURT TILE FLOORING.

Lump sum price for providing and installing all work and materials for a complete installation, and in accordance with the Plans and Specifications. The scope of work includes replacing existing tile flooring with new porcelain tile flooring, specifically indicated in the drawings as Additive Bid - Floor Finish Plan.

ADD. BID ITEM #1 = Dollars <u>\$</u>____.

Contract award will be based on the TOTAL BASE BID AMOUNT shown above (including any properly submitted bid modifications) plus as many Additive Bid Items taken in sequence as the Owner in its discretion decides to award.

The undersigned understands that time is of the essence and agrees that the date for Final Completion of the entire project shall be on or before JULY 15, 2019.

ADDENDUM 2 - ATTACHMENT A.

Acknowledgment is made of receipt of the Addenda – list each addenda number to indicate receipt:

If notice of acceptance of this bid is given to the undersigned within 30 days after the date of opening of bids, or any time thereafter before this bid is withdrawn, the undersigned will execute and deliver a contract in the prescribed form (Commonwealth of Virginia Contract Between Owner and Contractor, Form CO-9) within 10 days after the contract has been presented to him for signature. The required payment and performance bonds, on the forms prescribed, shall be delivered to the Owner along with the signed Contract.

Immigration Reform and Control Act of 1986: The undersigned certifies that it does not and shall_not during the performance of the Contract for this project violate the provisions of the Federal Immigration Reform and Control Act of 1986, which prohibits employment of illegal aliens, or knowingly employ an unauthorized alien as defined in the Federal Immigration Reform and Control Act of 1986.

DISQUALIFICATION OF CONTRACTORS: By signing this bid or proposal, the undersigned certifies that this Bidder or any officer, director, partner or owner is not currently barred from bidding on contracts by any Agency of the Commonwealth of Virginia, or any public body or agency of another state, or any agency of the federal government, nor is this Bidder a subsidiary or affiliate of any firm/corporation that is currently barred from bidding on contracts by any of the same. We have attached an explanation of any previous disbarment(s) and copies of notice(s) of reinstatement(s).

Either the undersigned or one of the following individuals, if any, is authorized to modify this bid prior to the deadline for receipt of bids by writing the modification and signing his name on the face of the bid, on the envelope in which it is enclosed, on a separate document, or on a document which is telefaxed to the Owner:

ADDENDUM 2 - ATTACHMENT A.

I certify that the firm name given below is the true and complete name of the bidder and that the bidder is legally qualified and licensed by the Virginia Department of Professional and Occupational Regulation, Board for Contractors, to perform all Work included in the scope of the Contract.

Virginia License No.	Bidder
	Bidder (Name of Firm)
Contractor Class Specialty	By(Signature)
Valid until	(Typed Name)
FEIN/SSN:	Title
If General Partnership (List Partners' Names)	Business Address:
	Telephone #
	FAX #
If Corporation, affix Corporate Seal & list State of Incorporation	
State:	
(Affix Seal)	
Virginia State Corporation Commission ID No.	; or
If Contractor is a foreign business entity not rec	quired to be authorized to transact business in the Code of Virginia, or as otherwise required by law, please

ADDENDUM 2 - ATTACHMENT B.

VPI&SU / OWENS DINING HALL – FOOD COURT MAIN SERVING LINE

SECTION 01000 – LIST OF DRAWINGS

Drawings included in the Contract Documents and accompanying these specifications are listed on the Drawings' Cover Sheet and below. The bidder shall be responsible for determining that his bid, including the bids of subcontractors and suppliers incorporated into his bid, is based upon the work described by this specification and all of the drawings listed below:

Cover Sheet

- T1 COVER SHEET
- T2 GENERAL NOTES + INFORMATION
- LS1 LIFE SAFETY PLAN & BUILDING CODE DATA

Architectural:

- A1.1 DEMO PLAN
- A1.2 DEMO REFLECTED CEILING PLAN
- A1.3 NEW WORK OVERALL PLAN
- A1.4 NEW WORK REFLECTED CEILING PLAN
- A1.5 ENLARGED NEW WORK PLAN
- A1.6 ENLARGED NEW WORK PLAN
- A1.7 EQUIPMENT & FOOD SHIELD PLAN
- A1.8 EQUIPMENT SCHEDULE
- A2.1 ELEVATIONS
- A2.2 ELEVATIONS
- A2.3 ELEVATIONS
- A2.4 SECTIONS
- A2.5 SECTIONS
- A2.6 WALL TYPES
- A3.1 FINISH + TILE SCHEDULES
- A3.2 FINISH PLAN
- A3.3 ADDITIVE BID FLOOR FINISH PLAN
- A4.1 COUNTER SUPPORT FRAME

Plumbing:

- P1.1 PLUMBING LEGEND AND NOTES
- P1.2 DEMO FLOOR PLAN PLUMBING
- P1.3 FLOOR PLAN PLUMBING
- P1.4 FLOOR PLAN GAS

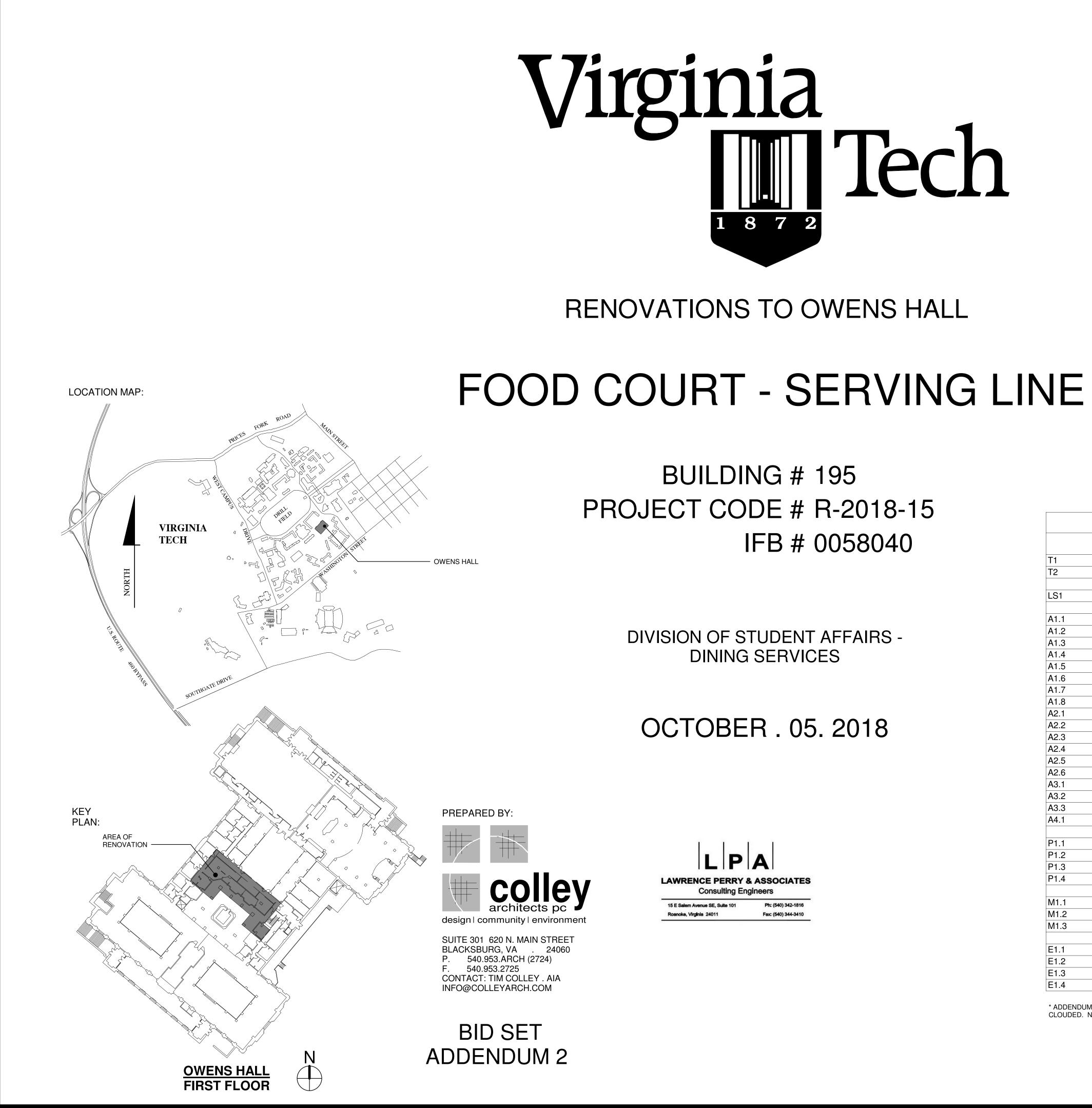
Mechanical:

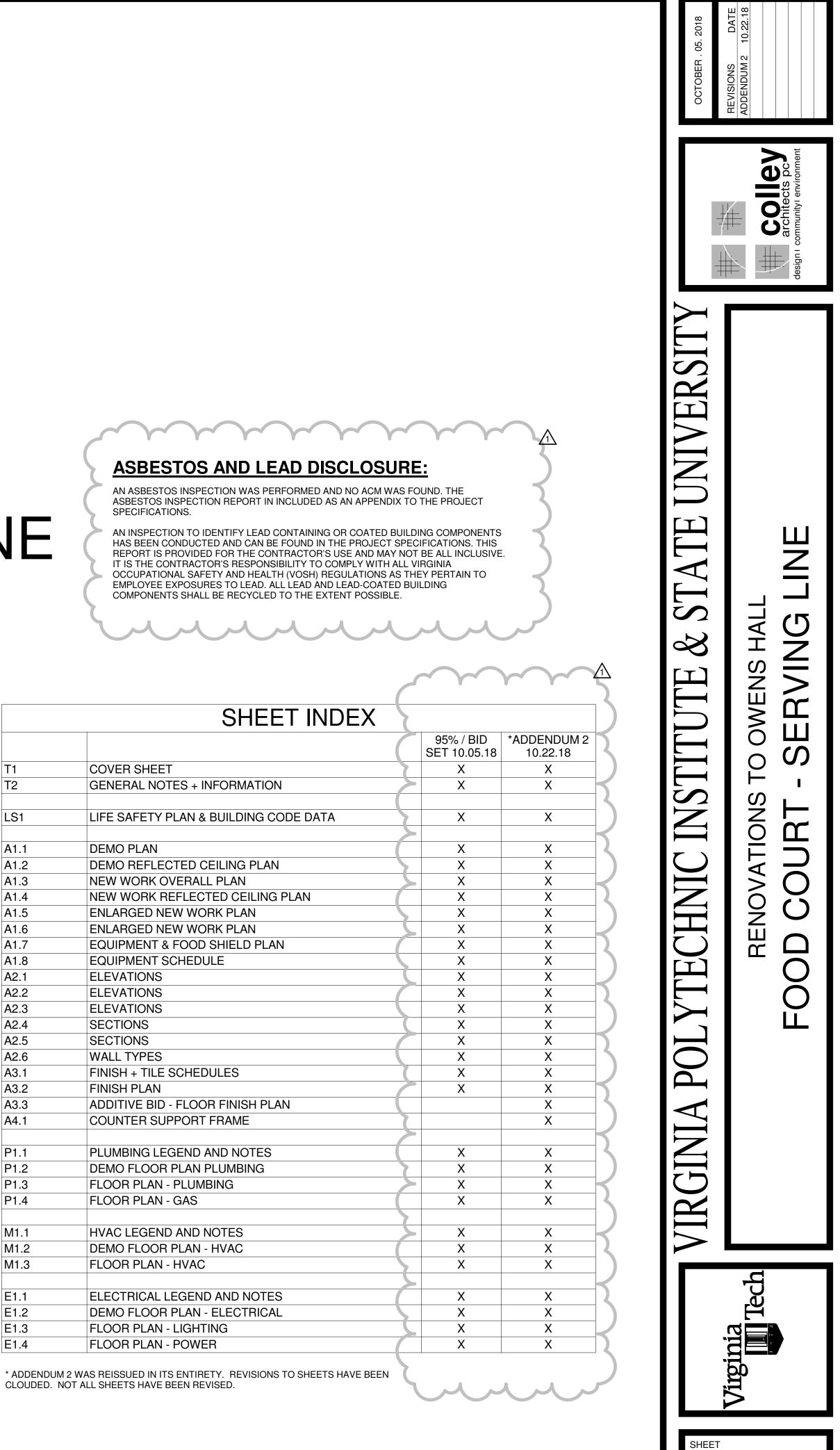
- M1.1 HVAC LEGEND AND NOTES
- M1.2 DEMO FLOOR PLAN HVAC
- M1.3 FLOOR PLAN HVAC

Electrical:

- E1.1 ELECTRICAL LEGEND AND NOTES
- E1.2 DEMO FLOOR PLAN ELECTRICAL
- E1.3 FLOOR PLAN LIGHTING
- E1.4 FLOOR PLAN POWER

END OF SECTION 01000



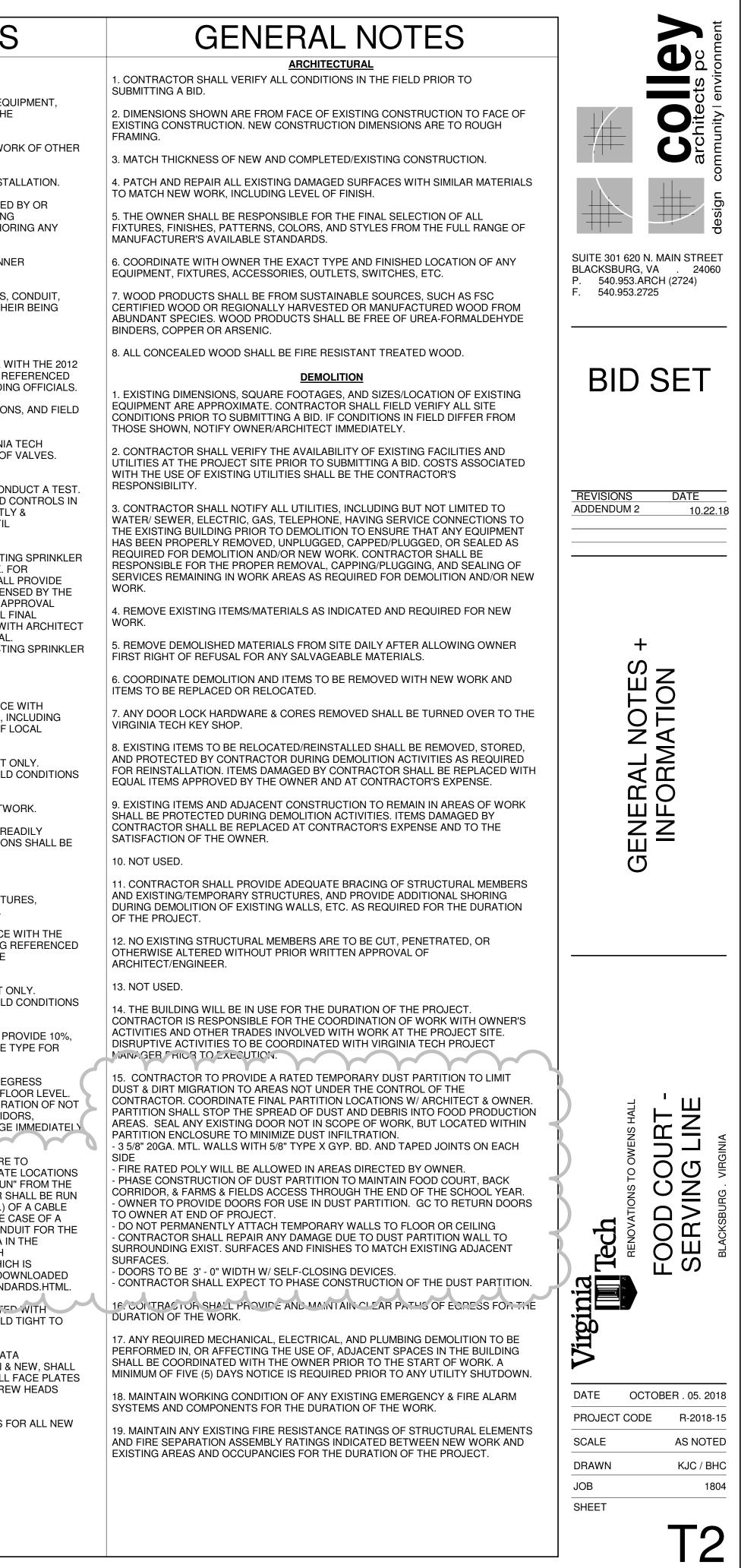


ADDENDUM 2 - ATTACHMENT C

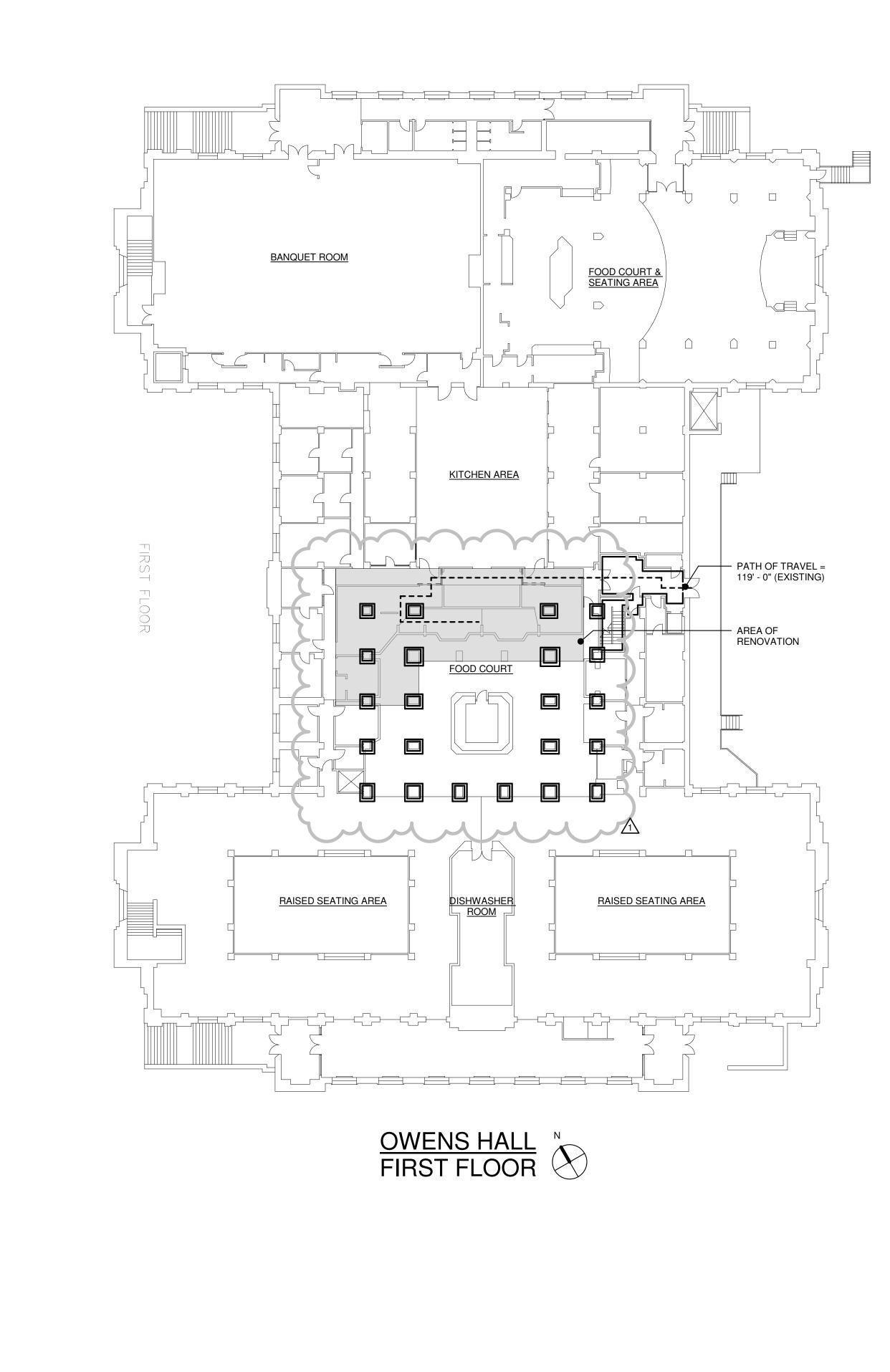
ſ		ABBREV	IATI	ONS	GENERAL NOTE	S
	@ ACT	AT ACOUSTICAL CEILING TILE	INSUL INT	INSULATION INTERIOR	1. ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL COI BUILDING & PROJECT CODE DATA REFERENCED ON SHEET LS1.	MPL
	ADJ AFF AHU	ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT	KIT	KITCHEN	2. ALL WORK TO COMPLY WITH THE VIRGINIA TECH DESIGN AND CC STANDARDS, REVISED AUGUST 2006.	NST
	ALT ALUM APPR AVG AWP	ALTERNATE ALUMINUM APPROXIMATE AVERAGE ACOUSTICAL WALL PANEL	LAM LAV LBS LF LVR	LAMINATE LAVATORY POUNDS LINEAR FOOT/FEET LOUVER	3. CONTRACTOR MUST FAMILIARIZE THEMSELVES WITH THE PROJE TO SUBMITTING THEIR BID. AS PART OF THE BASE BID CONTRACTO INCLUDE PATCHING ANY EXISTING HOLES & PENETRATIONS THROU SMOKE WALLS AND BARRIERS IN AREAS OF WORK TO MEET OR EXO	or Si Jgh I Ceei
	BLDG BLK BOT BRK BTWN	BUILDING BLOCK BOTTOM BRICK BETWEEN	MAT'L MAX MECH MFR MIN	MATERIAL MAXIMUM MECHANICAL MANUFACTURER MINIMUM	REQUIRED FIRE ASSEMBLY RATING. ALL NEW PENETRATIONS, AS W EXISTING PENETRATIONS READILY DISCOVERABLE DURING THE CC PREBID SITE INVESTIGATION, TO BE SEALED AS REQ'D. TO MAINTAIL RESISTANCE RATINGS. EXISTING NON-DISCOVERABLE PENETRATIC DURING THE COURSE OF DEMOLITION TO BE BROUGHT TO THE ATT VIRGINIA TECH. FILL FLOOR PENETRATIONS WITH NON-SHRINK GRO	DURS IN RE DNS L TENT
	CAB CJ CLG CLOS CLR	CABINET CONTROL JOINT CEILING CLOSET CLEAR	MIR MISC MTL NIC NO NOM	MIRROR MISCELLANEOUS METAL NOT IN CONTRACT NUMBER NOMINAL	 GROUT TO HAVE NO GAPS AND BE FLUSH W/ADJACENT SURFACES. ASSEMBLY C-AJ-1140, AS REQUIRED. 4. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND ACCINORK INDICATED HEREIN, UNLESS NOTED OTHERWISE. WORK SHACOMPLETE AND IN ACCORDANCE WITH THE CONSTRUCTION DOCUM 	ESSO ALL E
	CMU COL CONC CONT CTL	CONCRETE MASONRY UNIT COLUMN CONCRETE CONTINUOUS CARPET TILE	NTS OC OFCI	NOT TO SCALE ON CENTER OWNER FURNISHED CONTRACTOR	MANUFACTURER'S RECOMMENDATIONS, GENERALLY ACCEPTED IN STANDARDS OF WORKMANSHIP AND CARE, AND AS REQUIRED FOR INSTALLATION AND TO OBTAIN A CERTIFICATE OF OCCUPANCY. 5. SUBMITTALS ARE REVIEWED ONLY AS TO GENERAL CONFORMITY	idus [:] 8 a fi 7 wit
	CT DEMO DEPT DF DIAG DIM DN DWG	CERAMIC TILE DEMOLISH, DEMOLITION DEPARTMENT DRINKING FOUNTAIN DIAGONAL DIMENSION DOWN DRAWING	PC PERF PLAM PLYWD PNL PREFAB PREFIN	INSTALL PRECAST PERFORATED PLASTIC LAMINATE PLYWOOD PANEL PREFABRICATED PREFINISHED	CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE GIVEN IN THE CONTRACT DOCUMENTS. CORRECTIONS AND/OR COM AS PART OF THIS SUBMITTAL REVIEW DO NOT RELIEVE THE CONTR RESPONSIBILITY FROM CONFORMANCE WITH THE CONTRACT DOCU APPLICABLE CODES, AND LAWS - ALL OF WHICH HAVE PRIORITY OV SUBMITTAL. THE DESIGN PROFESSIONAL DOES NOT WARRANT OR I THAT THE INFORMATION WITHIN THE SUBMITTAL IS EITHER ACCUR/ COMPLETE. SOLE RESPONSIBILITY FOR CORRECT DESIGN, DETAILS DIMENSIONS SHALL REMAIN WITH THE PARTY PROVIDING THE SUBM	MMEI ACT UMEN /ER S REPF ATE S, AN MITT
	EA EIFS ELEC EPS EQ EQUIP	EACH EXTERIOR INSULATION AND FINISH SYSTEM ELECTRICAL EXPANDED POLYSTYRENE EQUAL EQUIPMENT	PREP PT QT QTY RB RD	PREPARE PAINT QUARRY TILE QUANTITY RUBBER BASE ROOF DRAIN	CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, QUANTITIES, PERFORMANCE REQUIREMENTS TO BE CONFIRMED AND CORRELAT SITE; FOR ALL INFORMATION THAT PERTAINS SOLELY TO THE FABR PROCESSES OR TO THE TECHNIQUES OF CONSTRUCTION; FOR ALL OF THE WORK OF ALL TRADES; FOR ASSURING CONSISTENCY WITH CONTRACT DOCUMENTS; AND FOR PERFORMING THE WORK IN A S/ SATISFACTORY MANNER.	TED A RICAT COC THE
	EXIST EXT FD FF FLR	EXISTING EXTERIOR FLOOR DRAIN FINISHED FLOOR FLUORESCENT	REF REFG REQD RM RT	REFERENCE REFRIGERATOR REQUIRED ROOM RUBBER TILE	6. EXISTING SQUARE FOOTAGES, DIMENSIONS, TYPES/LOCATIONS OF RESISTANCE RATED ASSEMBLIES, AND SIZES/LOCATIONS OF EXIST ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR THE FIELD OF ALL SITE CONDITIONS PRIOR TO SUBMITTING A BID. IF CONDITIC DIFFER FROM THOSE SHOWN, NOTIFY OWNER/ARCHITECT IMMEDIA	'ING I) VEF)NS I
	FLUR FRP		SIM SPEC SQ	SIMILAR SPECIFICATION SQUARE	7. PROJECT PERMIT WILL BE ISSUED LOCALLY AND INSPECTED BY V PERSONNEL.	√IRG
(FRT FT FURG	FIRE RETARDANT TREATED FOOT, FE T FURDING	SS STD STL STOR	STAINLESS STEEL STANDARD STEEL STORAGE	8. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, SEQUENCING, SITE SAFETY, AND SECURITY FOR THE DU PROJECT.	
	GA GAL GALV GB GC	GAUGE GALLON GALVANIZED GRAB BAR GENERAL CONTRACTOR	SUSP THK TYP	SUSPENDED THICKNESS TYPICAL	9. CONTRACTOR SHALL VERIFY THE AVAILABILITY OF EXISTING FAC UTILITIES AT THE PROJECT SITE PRIOR TO SUBMITTING A BID. COS ⁻ WITH THE USE OF EXISTING UTILITIES SHALL BE THE CONTRACTOR RESPONSIBILITY.	TS A
	GFCMU GL GYP HBD	GROUND FACE CONCRETE MASONRY UNIT GLASS GYPSUM HARDBOARD	VAC VB VCT VEST	VACUUM VAPOR BARRIER/ VINYL BASE VINYL COMPOSITION TILE VESTIBULE	10. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF WC OWNER'S ACTIVITIES AND OTHER TRADES INVOLVED WITH WORK A SITE. CONTRACTOR SHALL COORDINATE WORK INCLUDING BUT NO ADDITION TO/MODIFICATION OF EXISTING MECHANICAL, ELECTRICA AUTOMATIC SPRINKLER, FIRE ALARM AND FIRE DETECTION SYSTEM COMMUNICATIONS NETWORK SERVICES (NI&S), AS REQUIRED FOR	AT TH DT LIN AL, PI MS, A
	HDR HM HR HT HVAC	HEADER HOLLOW HOUR HEIGHT HEATING, VENTILATING,	WB WC WGL WH	WOOD BASE WATER CLOSET WIRE GLASS WATER HEATER	FULLY FUNCTIONAL INSTALLATIONS. 11. FIRE-RESISTANCE ASSEMBLIES REQ'D. IN ACCORDANCE WITH A (UL1479) & ASTME 1966 (UL 2079). FIRESTOPPING EQUAL TO 3M COM CP-25WB+ (WATER BASED AND HALOGEN FREE) NO SAG INTUMESC	STMI IPAN ENT
	HW IN INFO INST	AIR CONDITIONING HOT WATER INCH INFORMATION INSTALLATION	W/O WSCT WT	WITHOUT WAINSCOT WEIGHT	BARRIER SEALANT, TYPE FS-195+ PIPE WRAP/ STRIP FIRE BARRIER COMPOSITE SHEET FIRE BARRIER. CONTRACTOR TO INSTALL REQU ASSEMBLY MATERIALS IN STRICT ADHERENCE TO ONE OF THE FOLI RATED ASSEMBLIES: C-AJ-1044, C-AJ-1176, C-AJ-1556, C-AJ-2006, C-A AJ-3030, C-AJ-3096, C-AJ-5001, C-AJ-7016, W-L-1001, W-L-1054, W-L-20 L-3065, W-L-5001, W-L-7008, W-L-7051, W-L-7130, OR W-L-8079. THE C	JIRE[LOW AJ-22 003, V
		STANDARDS:			SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF THEY ENCOUNTER NOT COVERED BY ONE OF THE UL ASSEMBLIES LISTED ABOVE. THE AMOUNT OF RATED ASSEMBLY MATERIALS SHALL BE BASED ON TH	A CC E APF
	VIRGINIA VUSBC ANSI 117. AGA AMCA	TECH DESIGN GUIDELINES AND VIRGINIA UNIFORM ST/ 1-2009 ACCESSIBLE AND USAI AMERICAN GAS ASSOC AIR MOVEMENT AND CO	ATEWIDE BL BLE BUILDIN CIATION	JILDING CODE IGS AND FACILITIES	SEPARATION RATINGS LISTED ON THE BUILDING & PROJECT CODE AND THE ATTACHED DRAWINGS. PROVIDE RESTRAINING COLLARS, AND ALL OTHER COMPONENTS REQUIRED FOR A UL LISTED THROU PENETRATION FIRESTOPPING ASSEMBLY SUITABLE FOR USE IN RA- CONSTRUCTION. CONTRACTOR SHALL SUBMIT UL DESIGNS AND PE	FAS IGH- TED RODI
	ANSI ARI ASHRAE ASPE	AMERICAN NATIONAL S AIR-CONDITIONING AN AMERICAN SOCIETY OI CONDITIONING ENO AMERICAN SOCIETY OI	STANDARDS D REFRIGEF F HEATING F GINEERS F PLUMBING	INSTITUTE RATION INSTITUTE REFRIGERATING AND AIR	INFORMATION FOR ALL COMPONENTS OF ALL PROPOSED FIRESTOF ASSEMBLIES TO THE ARCHITECT & VIRGINIA TECH UNIVERSITY BUIL FOR APPROVAL PRIOR TO INCORPORATION INTO WORK. ALL THRO PENETRATION FIRESTOPPING SYSTEMS SHALL BE INSTALLED IN ST ACCORDANCE WITH ALL DETAILS OF THE UL LISTING. CONTRACTO ALL UL ASSEMBLY INSTRUCTIONS USED IN PROJECT ON SITE AT AL	LDIN OUGH TRICT OR TC
	ASSE ASME ASTM IEEE MCA NEC	MECHANICAL CONTRA NATIONAL ELECTRICAL	F MECHANIC OR TESTING ICAL AND EI CTORS ASS L CODE	CAL ENGINEERS AND MATERIALS LECTRONICS ENGINEERS OCIATION	12. CONTRACTOR SHALL LABEL ALL CONCEALED FIRE WALLS, VERT SEPARATION ASSEMBLIES, FIRE BARRIERS, FIRE PARTITIONS AND S BARRIERS ON ASSEMBLIES ABOVE CEILINGS AND ON INSIDE SURFA CEILING ACCESS DOORS PROVIDING ACCESS TO SUCH FIRE RATED REFERENCE DRAWINGS FOR ASSEMBLY RATING DESIGNATIONS AN	SMOH ACES D ASS
	NEMA NFPA PDI SMACNA	NATIONAL ASSOCIATIO	ECTION ASS AGE INSTITU CONDITION	OCIATION JTE NING CONTRACTORS	LETTERING TO BE IN A CONTRASTING AND HIGHLY VISIBLE COLOR IN. TALL (1 INCH MIN.) CAPITAL CASE, AND PROVIDED AT HORIZONT/ OF NO MORE THAN 8 FEET. 13. ALL WORK THAT REQUIRES DISABLING OF FIRE AND OTHER EME	AL IN
)F M	ATERIALS	SYSTEMS SHALL BE COORDINATED THROUGH THE VIRGINIA TECH F MANAGER AND ALL RESPECTIVE VIRGINIA TECH DEPARTMENTS HAV JURISDICTION PRIOR TO COMMENCING. CONTRACTOR SHALL PROV ALARM SYSTEM MODIFICATIONS AND FINAL TESTING, INCLUDING VE THE FINAL CONNECTION AND INTERACTIONS WITH THE EXISTING EI FIRE SUPPRESSION SYSTEMS AND DEVICES. FINAL TESTING SHALL COORDINATED BY CONTRACTOR AND OBSERVED BY THE DEPUTY S MARSHALL & VIRGINIA TECH UNIVERSITY BUILDING OFFICIAL.	VING VIDE ERIFI MER BE F
	VIRGINIA	ACTOR SHALL DELIVER ALL SOL TECH PROPERTIES TO MONTGO R STATION.		COLLECTED ON IONAL SOLID WASTE AUTHORITY	14. MAINTAIN ANY EXISTING FIRE RESISTANCE RATINGS OF STRUCT ELEMENTS AND FIRE SEPARATION ASSEMBLY RATINGS INDICATED WORK AND EXISTING AREAS AND OCCUPANCIES FOR THE DURATIC PROJECT.	BET\
					15. IF A CONFLICT BETWEEN CONSTRUCTION DOCUMENTS, CODE R AND/OR MANUFACTURER'S DATA SHOULD ARISE, THE MORE STRING PREVAIL.	
					16. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING OF STRUCT AND EXISTING & TEMPORARY STRUCTURES AS REQUIRED FOR THE	

16. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING OF STRUCTUR AND EXISTING & TEMPORARY STRUCTURES AS REQUIRED FOR THE D THE WORK. IF CONDITIONS IN FIELD DIFFER FROM THOSE SHOWN, NO ARCHITECT/ENGINEER IMMEDIATELY.

S	GENERAL NOTES	GENERAL NOTES
PLY WITH THE	18. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEANUP AND REMOVAL OF	PLUMBING / MECHANICAL / ELECTRICAL GENERAL:
ISTRUCTION	DEBRIS FROM SITE. 19. THE CONTRACTOR SHALL COMPLY WITH "VIRGINIA TECH'S SAFETY DESCURPTION FOR SOME AND SUPPORT ACTORS AND SUPPORT ACTORS AND SUPPORT	1. CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR, MATERIALS, EC ANCHORAGE TO STRUCTURE, AND CONNECTIONS REQUIRED FOR TH INSTALLATION OF A COMPLETE AND FUNCTIONAL SYSTEM.
R SITE PRIOR	REQUIREMENTS FOR CONTRACTORS AND SUBCONTRACTORS" PROGRAM WHICH IS INCORPORATED HEREIN BY REFERENCE. A COPY OF THIS PROGRAM IS AVAILABLE FROM THE OWNER OR VIRGINIA TECH ENVIRONMENTAL HEALTH AND SAFETY AT	2. CONTRACTOR SHALL COORDINATE WORK WITH THE INSTALLED WO
GH FIRE AND EED THE ELL AS	540-231-3600. 20. CONTRACTOR SHALL ENFORCE THE USE OF PERSONAL PROTECTIVE	3. VERIFY "ROUGH-IN" LOCATIONS WITH OWNER PRIOR TO FINAL INST
JRSE OF REQ'D. FIRE IS UNCOVERED	EQUIPMENT AS REQUIRED BY OSHA FOR INDUSTRIAL HIGH NOISE AREAS. 21. CONTRACTOR'S PERSONNEL SHALL CONDUCT THEMSELVES PROPERLY &	4. PIPING, DUCTWORK, AND OTHER EQUIPMENT SHALL BE SUPPORTE ANCHORED TO THE BUILDING STRUCTURE. NON-STRUCTURAL CEILIN
Ention of Jt as req'd. Follow ul	MAINTAIN PROPER ATTIRE AT ALL TIMES. 22. NO ASBESTOS CONTAINING MATERIALS SHALL BE USED IN THE COURSE OF	CONSTRUCTION, NEW OR EXISTING, SHALL NOT BE USED FOR ANCHOWORK.
SSORIES FOR	THIS WORK. 23. CONTRACTOR SHALL PROTECT COMPLETED WORK FROM DAMAGE FROM	5. SYSTEMS AND ACCESSORIES SHALL BE INSTALLED IN A NEAT MANN CONSISTENT WITH INDUSTRY STANDARDS OF QUALITY AND CARE.
LL BE ENTS, USTRY A FINISHED	ADJACENT ACTIVITIES OR INCLEMENT WEATHER AT ALL TIMES. ITEMS DAMAGED BY CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE & TO SATISFACTION OF OWNER.	6. CONTRACTOR IS RESPONSIBLE FOR RELOCATING ANY & ALL PIPES, ELECTRICAL OR OTHER INFRASTRUCTURE ITEMS AS A RESULT OF TH UNCOVERED DURING EXECUTION OF THE WORK.
WITH DESIGN NFORMATION MENTS MADE	24. ALL ROOMS & AREAS ADJOINING WORK AREA TO BE PROTECTED DURING DEMOLITION WORK. CONTRACTOR RESPONSIBLE TO REPAIR, REPLACE AND RESTORE ANY DAMAGE RESULTING FROM WORK TO THE SATISFACTION OF OWNER, AND AT NO ADDITIONAL EXPENSE TO THE OWNER.	PLUMBING: 1. PLUMBING DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE V EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC), INCLUDING R CODES AND STANDARDS, AND THE REQUIREMENTS OF LOCAL BUILDI
CTOR OF MENTS, R SPECIFIC	25. PRIOR TO ANY CORE DRILLING, CONTRACTOR SHALL PROPERLY SURVEY THE EXISTING FLOOR USING X-RAY, GPR, OR OTHER ACCEPTABLE METHOD TO LOCATE REBAR, STRUCTURAL MEMBERS, IN-SLAB UTILITIES, OR OTHER IN-SLAB	2. PLUMBING CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIO CONDITIONS PRIOR TO INSTALLATION.
EPRESENT TE OR AND ITTAL.	OBSTRUCTIONS. ALL CORES TO BE RETAINED & PROVIDED TO THE UNIVERSITY BUILDING OFFICIAL FOR INSPECTION. NOTIFY VIRGINIA TECH RENOVATIONS PROJECT MANAGER AND UNIVERSITY BUILDING OFFICIAL IF ANY REBAR IS CUT OR DAMAGED. ANY STRUCTURAL REMEDIATION REQUIRED DUE TO CONTRACTOR'S	3. CONTRACTOR SHALL COORDINATE WATER SHUTOFF WITH VIRGINIA PROJECT MANAGER & VIRGINIA TECH UTILITIES FOR INSTALLATION O NOTIFY OWNER FIVE (5) DAYS IN ADVANCE.
AND ED AT THE JOB CATION	NEGLIGENCE SHALL BE PERFORMED BY CONTRACTOR AT NO ADDITIONAL CHARGE TO VIRGINIA TECH.	4. UPON COMPLETION OF WORK, PLUMBING CONTRACTOR SHALL CON IN THE PRESENCE OF OWNER/ARCHITECT WITH ALL EQUIPMENT AND
COORDINATION THE FE AND	26. SURFACE FLATNESS FOR ALL CONCRETE SUBFLOORS: GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL CRACKS, VOIDS AND OTHER IMPERFECTIONS WITH HIGH STRENGTH PORTLAND CEMENT BASED PATCHING MATERIALS. THIS WORK SHALL ALSO INCLUDE REMOVAL OF HIGH SPOTS. SUBFLOOR PREPARATION TO	NORMAL OPERATING POSITION. THE SYSTEM SHALL OPERATE QUIETL PROPERLY. ADJUSTMENTS AND CORRECTIONS SHALL BE MADE UNTIL SATISFACTORY OPERATION IS ACHIEVED.
F FIRE- NG EQUIPMENT /ERIFICATION	MEET OR EXCEED MANUFACTURER'S SPECIFIC INSTALLATION REQUIREMENTS FOR SPECIFIED FLOORING FINISHES. FOR RESILIENT FLOORING FINISHES, GENERAL CONTRACTOR SHALL PROVIDE A SMOOTH, FLAT, FINISH-READY CONCRETE FLOOR WITH A MAXIMUM TOLERANCE OF +/- 1/8 INCH IN A 10 FOOT RADIUS, PER ASTM F170.	5. CONTRACTOR SHALL PROVIDE DOCUMENTATION VERIFYING EXISTI SYSTEMS ARE COMPLIANT FOR THE REQUIREMENTS OF NEW WORK. SPRINKLER SYSTEMS REQUIRING MODIFICATION, CONTRACTOR SHAL STAMPED & SEALED DRAWINGS BY A PROFESSIONAL ENGINEER LICEI
NS IN FIELD TELY. RGINIA TECH	27. ALL NEW & EXIST. GLAZING IN AREAS OF SCOPE OF WORK SHALL BE PROFESSIONALLY CLEANED ON ALL SIDES. CLEANLINESS OF GLAZING TO BE MAINTAINED THROUGH FINAL COMPLETION.	COMMONWEALTH OF VIRGINIA FOR UNIVERSITY BUILDING OFFICIAL A PRIOR TO EXECUTION OF WORK. CONTRACTOR TO COORDINATE ALL LOCATIONS FOR EXISTING, MODIFIED AND NEW SPRINKLER HEADS W PRIOR TO SUBMITTING DRAWINGS TO UNIVERSITY BUILDING OFFICIAL CONTRACTOR SHALL MAKE ALL APPROVED MODIFICATIONS TO EXIST
MEANS, RATION OF THE	28. INSTALLATION OF METAL FRAMING & MODIFICATIONS TO FRAMING MEMBER SHALL COMPLY WITH VUSBC SECTIONS 2210 & 2211. ALL FRAMING MEMBERS SHALL BE CONTINUOUS LENGTH SINGLE MEMBERS. SPLICING SHALL BE PER ENGINEERED SPECIFICATION & REQUIRES APPROVAL OF UNIVERSITY BUILDING OFFICIAL PRIOR	SYSTEMS. MECHANICAL:
LITIES AND S ASSOCIATED S	TO INSTALLATION. 29. APPARENT LOW BIDDER SHALL SUBMIT A CONSTRUCTION SCHEDULE FOR OWNER REVIEW WITHIN 5 DAYS OF NOTIFICATION OF LOW BID. THE SCHEDULE	1. MECHANICAL DESIGN AND INSTALLATION SHALL BE IN ACCORDANC THE 2012 EDITION OF THE INTERNATIONAL MECHANICAL CODE (IMC), I REFERENCED CODES AND STANDARDS, AND THE REQUIREMENTS OF BUILDING OFFICIALS.
RK WITH THE THE PROJECT	SHALL BE BASED UPON THE CRITICAL PATH METHOD IN PDF FORMAT. FAILURE TO SUBMIT SCHEDULE WITHIN TIME NOTED MAY DEEM THE BID AS NON-RESPONSIVE. SCHEDULE MUST BE AGREED UPON PRIOR TO COMMENCEMENT OF WORK.	2. MECHANICAL EQUIPMENT LOCATIONS SHOWN FOR DESIGN INTENT CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, AND FIELD PRIOR TO INSTALLATION.
LIMITED TO ., PLUMBING, S, AND		3. SHOP DRAWINGS TO BE PROVIDED FOR APPROVAL FOR ALL DUCTV
INISHED AND	CLOSE OUT DOCUMENTS 1. CONTRACTOR SHALL PROVIDE ONE (1) COMPREHENSIVE SET OF AS-BUILT DRAWINGS	4. ALL EXISTING, UNSEALED DUCTWORK IN AREA OF WORK THAT IS R DISCOVERABLE DURING THE COURSE OF PRE-BID SITE INVESTIGATIO SEALED & INSULATED PER 2012 IMC.
TME 814 PANY TYPE NT FIRE	DOCUMENTING IN RED INK ALL AS-BUILT CONDITIONS. AS-BUILT DRAWINGS MARKUPS SHALL BE CLEARLY LEGIBLE ON THE ORIGINAL, UNIVERSITY BUILDING OFFICIAL APPROVED AND STAMPED CONTRACT DOCUMENTS, AND MAINTAINED IN GOOD ORDER	ELECTRICAL:
OR CS-195 RED RATED OWING UL	AND GOOD CONDITION. MARKUPS TO INCLUDE ALL REPRESENTED DISCIPLINES ON THEIR SPECIFIC SHEETS. AS-BUILT DRAWINGS TO INCLUDE, BUT NOT LIMITED TO, ALL DEVIATIONS FROM CONTRACT DOCUMENT LAYOUTS; LOCATIONS & QUANTITIES OF	1. COORDINATE WITH ARCHITECT THE EXACT LOCATION OF ANY FIXT ACCESSORIES, OUTLETS, SWITCHES, ETC. PRIOR TO INSTALLATION.
-2228, C- 3, W-L-3001, W- NTRACTOR CONDITION	PIPING, UTILITIES, DEVICES, FIXTURES, ETC.; SPECIFICATIONS, ETC.; RATED ASSEMBLIES, FIRE DAMPERS, ETC.; RFI'S, CHANGE ORDERS, ETC. 2. CONTRACTOR TO PROVIDE OWNER WITH THREE (3) COPIES OF ALL REQUIRED	2. ELECTRICAL DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), INCLUDING CODES AND STANDARDS, UTILITY COMPANY REGULATIONS, AND THE REQUIREMENTS OF LOCAL BUILDING OFFICIALS.
APPROPRIATE FIRE ATA SHEET LS1 ASTENERS,	OPERATION AND MAINTENANCE (O&M) MANUALS PRIOR TO PROJECT COMPLETION. MANUALS TO BE IN HARD-BACKED, VINYL, 3-RING BINDERS W/ ONE INCH (1") MINIMUM SPINES. MANUALS SHALL INCLUDE, BUT NOT LIMITED TO, ALL APPROVED SUBMITTAL ITEMS, APPROVED SHOP DRAWINGS, RFI'S W/ ANSWERS, FINAL TAB REPORTS & OTHER	3. ELECTRICAL EQUIPMENT LOCATIONS SHOWN FOR DESIGN INTENT CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, AND FIELD PRIOR TO INSTALLATION.
iH- ED ODUCT PING	ITEMS, APPROVED SHOP DRAWINGS, HTS W/ ANSWERS, FINAL TAB REPORTS & OTHER ITEMS APPROPRIATE FOR A COMPREHENSIVE REFERENCE DOCUMENT FOR THE LIFE OF THE BUILDING AREA, ETC. GENERAL CONTRACTOR TO ALSO PROVIDE O&M MANUAL IN DIGITAL FORMAT ON A SINGLE CD, TWO (2) COPIES. FORMAT OF DIGITAL COPIES SHALL BE IDENTICAL TO FORMAT OF MANUAL COPIES. MANUAL COPY FORMAT TO	4. ALL NON-LED LIGHT FIXTURES SHALL BE INSTALLED WITH LAMPS. P BUT NOT LESS THAN FIVE (5), ADDITIONAL LAMPS FOR EACH FIXTURE FUTURE USE.
DING OFFICIAL IGH- NCT	INCLUDE : A - COVER PAGE WITH PROJECT TITLE, PROJECT NUMBER, GENERAL CONTRACTOR, DATE MANUALS PROVIDED.	5. PROVIDE MEANS OF EGRESS LIGHTING AS INDICATED. MEANS OF E ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT FI
TO RETAIN TIMES.	B - TABLE OF CONTENTS W/ CATEGORIES FOR ARCHITECTURAL, PLUMBING, MECHANICAL & ELECTRICAL ITEMS. C - TABBED SECTIONS FOR EACH CATEGORY, TABBED SECTIONS TO INCLUDE	AN EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DUR LESS THAN 90 MINUTES AND SHALL ILLUMINATE EXIT ACCESS CORRIE PASSAGEWAYS, AISLES AND PORTION OF FXTERIOR FXIT DISCHARGE
CAL FIRE MOKE CES OF ALL	MANUFACTURER CUT SHEETS FOR ALL FIXTURES, DEVICES, CONTROLS, ACCESSORIES FINISHES, ADHESIVES/MORTARS/GROUTS.	(ADJACENT TO EXIT DISCHARCE DOUPWAYS. 6. CONTRACTOR TO PROVIDE & INSTALL REQUIRED INFRASTRUCTURE
ASSEMBLIES.) TYPES. ALL O SURFACE, 3 L INTERVALS	3. CONTRACTOR SHALL PROVIDE OWNER WITH COMPLETED CO-13 AFFIDAVIT OF PAYMENT OF CLAIMS, HECO-13.2 CERTIFICATE OF COMPLETION BY CONTRACTOR, HECO-13.2A CERTIFICATE OF PARTIAL OR SUBSTANTIAL COMPLETION BY CONTRACTOR.	ACCOMMODATE NI&S DEVICES, WIRELESS & OTHERWISE. COORDINAT WITH VA TECH. CONDUITS SHALL EITHER BE CONTINUOUS "HOME-RU TELECOMMUNICATIONS OUTLET BOX TO THE EQUIPMENT ROOM, OR S FROM THE OUTLET BOX AND STUBBED OUT WITHIN ONE FOOT (1 FT.)
RGENCY ROJECT	4. CONTRACTOR SHALL PROVIDE ADDITIONAL ATTIC STOCK OF FINISH MATERIALS FC R FUTURE USE AND ONE (1) COMPREHENSIVE ATTIC STOCK LIST AS STIPULATED BELOV . ALL ATTIC STOCK MATERIALS AND THE ATTIC STOCK LIST SHALL BE DELIVERED TO OWNER AT ONE TIME AND SHALL BE SIGNED BY GENERAL CONTRACTOR AND PROJECT	TRAY THAT RUNS CONTINUOUSLY TO THE EQUIPMENT ROOM. IN THE RENOVATION WHERE THERE IS NO CABLE TRAY AVAILABLE, THE CON OUTLET BOX SHOULD BE ROUTED TO AN ACCESSIBLE CEILING AREA I CORRIDOR. THE CONTRACTOR SHALL COMPLY WITH "VIRGINIA TECH TELECOMMUNICATIONS INFRASTRUCTURE DESIGN GUIDELINES" WHI
ING IDE FIRE RIFICATION OF	MANAGER AT THE TIME OF DELIVERY AND RECEIPT. ATTIC STOCK LIST SHALL INDICATE DESCRIPTIONS AND REQUIRED QUANTITIES OF MATERIALS LISTED BELOW : A - ONE (1) GAL OF EACH PAINT, STAIN, & POLYURETHANE TYPE, COLOR, & FINISH.	INCORPORATED HEREIN BY REFERENCE. THE GUIDELINES MAY BE DO FROM HTTP://WWW.NIS.VT.EDU/ABOUT/PUBLICATINOS/CABLINGSTAND
IERGENCY AND 3E PROVIDED & FATE FIRE	B - FULL TILES OF CERAMIC & PORCELAIN FINISHES EQUAL TO AT LEAST FIVE PERCENT (5%) OF EACH TYPE, SIZE, & COLOR, BUT NOT LESS THAN FIVE (5) FULL TILES OF EACH TYPE, SIZE, & COLOR. C - FULL TILES OF FLOORING FINISHES EQUAL TO AT LEAST FIVE PERCENT (5%) OF	7 EXPOSED CONDUCT AND RACEWAY LOCATIONS TO BE COODDINATE ARCHITECT PRIOR TO INSTALLATION. ALL VERTICAL RUNS TO BE HELD INSIDE CORNERS TO THE GREATEST EXTENT POSSIBLE.
JRAL ETWEEN NEW I OF THE	EACH TYPE, SIZE & COLOR, BUT NOT LESS THAN FIVE (5) FULL TILES OF EACH TYPE, SIZE, & COLOR. D - FULL WIDTH OF ROLLED GOODS OF FLOORING FINISHES EQUAL TO AT LEAST FIVE PERCENT (5%) OF EACH TYPE, SIZE & COLOR, BUT NOT LESS THAN SIX FEET	8. IN ALL AREAS OF WORK, ALL VISIBLE OUTLETS, SWITCHES, AND DA CONNECTORS WITHIN SCOPE OF WORK, BOTH EXISTING TO REMAIN & RECEIVE NEW STAINLESS STEEL FACE PLATES & BLACK DEVICES. ALL
EQUIREMENTS, ENT SHALL	(6 FT.) IN LENGTH OF FULL WIDTH OF EACH ROLLED GOOD. E - FIVE PERCENT (5%) MINIMUM OF EACH RUBBER BASE SIZE, TYPE & COLOR, BUT NOT LESS THAN TEN (10) CONTINUOUS LINEAR FEET OF EACH SIZE, TYPE & COLOR. F - FULL OF LINC PANELS FOULL TO AT LEAST FIVE PERSENT (5%) OF LACH TYPE, SIZE	SHALL BE SAME PROFILE, FINISH, AND MANUFACTURER. ORIENT SCREVERTICALLY. 9. CONTRACTOR SHALL PROVIDE SUBMITTAL WITH SHOP DRAWINGS IF FIRE ALARM DEVICES.
JRAL MEMBERS	& COLOR, BUT NOT LESS T. AN FIVE (5) FULL PANELS OF EACH TYPE, SIZE & COLOR. G - PROVDIE ONE (1) ADDITTIONAL FIXTURE OF EACH HEAT LAMP TYPE. TO INCLUDE HEAT LAMP FIXTURES AND LUMINARE FIXTURES.	
OURATION OF OTIFY		



LIFE SAFETY PLAN





LEGEND



1 HR. FIRE RATED PARTITION 2 HR. FIRE RATED PARTITION

---- PATH OF TRAVEL

AREA OF RENOVATION

- NO STRUCTURAL WORK IN PART OF THIS SCOPE, THEREFORE SECTION DOES NOT APPLY. SECTION 810, PLUMBING

SECTION 811, ENERGY CONSERVATION

- DOES NOT APPLY TO RENOVATION.

ADAAG COMPLIANT PROVISIONS:

ROUTE. ALL TRANSITIONS BETWEEN NEW & EXISTING FINISHES WILL BE ADAAG COMPLIANT.

INSTALLATION, AND SELECTIVE DEMOLITION AND MODIFICATIONS TO COLUMNS IN THE SHOPS AND IN THE FOOD COURT AREA.

BUILDING DATA

REFERENCE CODES:

ORIGINAL BUILDING CONSTRUCTED: OCCUPANCY CLASS: CONSTRUCTION TYPE

BUILDING AREA, GROSS: FLOOR AREA, GROSS:

PROJECT DATA

REFERENCE CODES:

BUILDING NAME:

BUILDING NUMBER:

SEPARATED MIXED USE: CONSTRUCTION TYPE:

METHOD OF COMPLIANCE:

SCOPE OF WORK:

PROJECT AREA:

FIRE ALARMS:

FIRE SUPPRESSION:

48,834 SQ. FT.

OWENS HALL 0195 A-2 IIIB

1,685 SQ. FT. NO YES

CHAPTER 3, COMPLIANCE METHODS SECTION 301.1.2, WORK AREA COMPLIANCE METHOD

CHAPTER 5: CLASSIFICATION OF WORK SECTION 504 - ALTERATION LEVEL 2

BUILDING OCCUPANCY USE GROUP:

OCCUPANT LOAD AREA OF WORK:

- CHAPTER 7 AND CHAPTER 8 APPLY

CHAPTER 6: REPAIRS - NO REPAIRS ARE PART OF THIS SCOPE OF WORK, THEREFORE SECTION DOES NOT APPLY.

CHAPTER 7: ALTERATIONS - LEVEL 1

SCHEDULE, MATERIAL FINISH NOTES.

NOTES.

NOTES.

SECTION 704, MEANS OF EGRESS - MEANS OF EGRESS IS NOT IMPACTED BY RENOVATION ..

SECTION 801.2. ALTERATION LEVEL 1 COMPLIANCE

- THE EXISTING FIRE ALARM NOTIFICATION DEVICES WILL BE MODIFIED TO SUITE NEW WORK.

SECTION 806.1, ACCESSIBILITY - GENERAL SECTION 807, STRUCTURAL

CHAPTERS 9 - 13:

SECTION 702.1, INTERIOR FINISHES

SECTION 702.2. INTERIOR FLOOR FINISH

SECTION 702.3, INTERIOR TRIM

SECTION 703, FIRE PROTECTION

SECTION 705.1, ACCESSIBILITY - GENERAL - SCOPE OF WORK INCLUDES FLOOR FINISHES WHICH SHALL COMPLY WITH 2012 IBC - CHAPTER 11, ACCESSIBILITY. SECTION 705.2, ALTERATIONS AFFECTING AN AREA CONTAINING A PRIMARY FUNCTION - AREA OF WORK IS ON THE BUILDING'S EXISTING ACCESSIBLE ROUTE.

SECTION 706, STRUCTURAL - NO STRUCTURAL WORK IS PART OF THIS SCOPE, THEREFORE SECTION DOES NOT APPLY. SECTION 707, ENERGY CONSERVATION - THERMAL ENVELOPE OF THE BUILDING IS NOT IMPACTED BY THE WORK, THEREFORE SECTION DOES NOT APPLY.

CHAPTER 8: ALTERATIONS - LEVEL 2

- SEE CHAPTER 7 INFORMATION, ABOVE. SECTION 801.3, COMPLIANCE

- NEW ELEMENTS IN THE SCOPE OF WORK COMPLY WITH 2012 IBC. SEE DRAWINGS AND SPECIFICATIONS. SECTION 803, BUILDING ELEMENTS AND MATERIALS - SCOPE OF WORK ONLY INCLUDES 803.4, INTERIOR FINISHES. SEE CHAPTER 7 INFORMATION, ABOVE. SECTION 804.2, AUTOMATIC SPRINKLER SYSTEMS

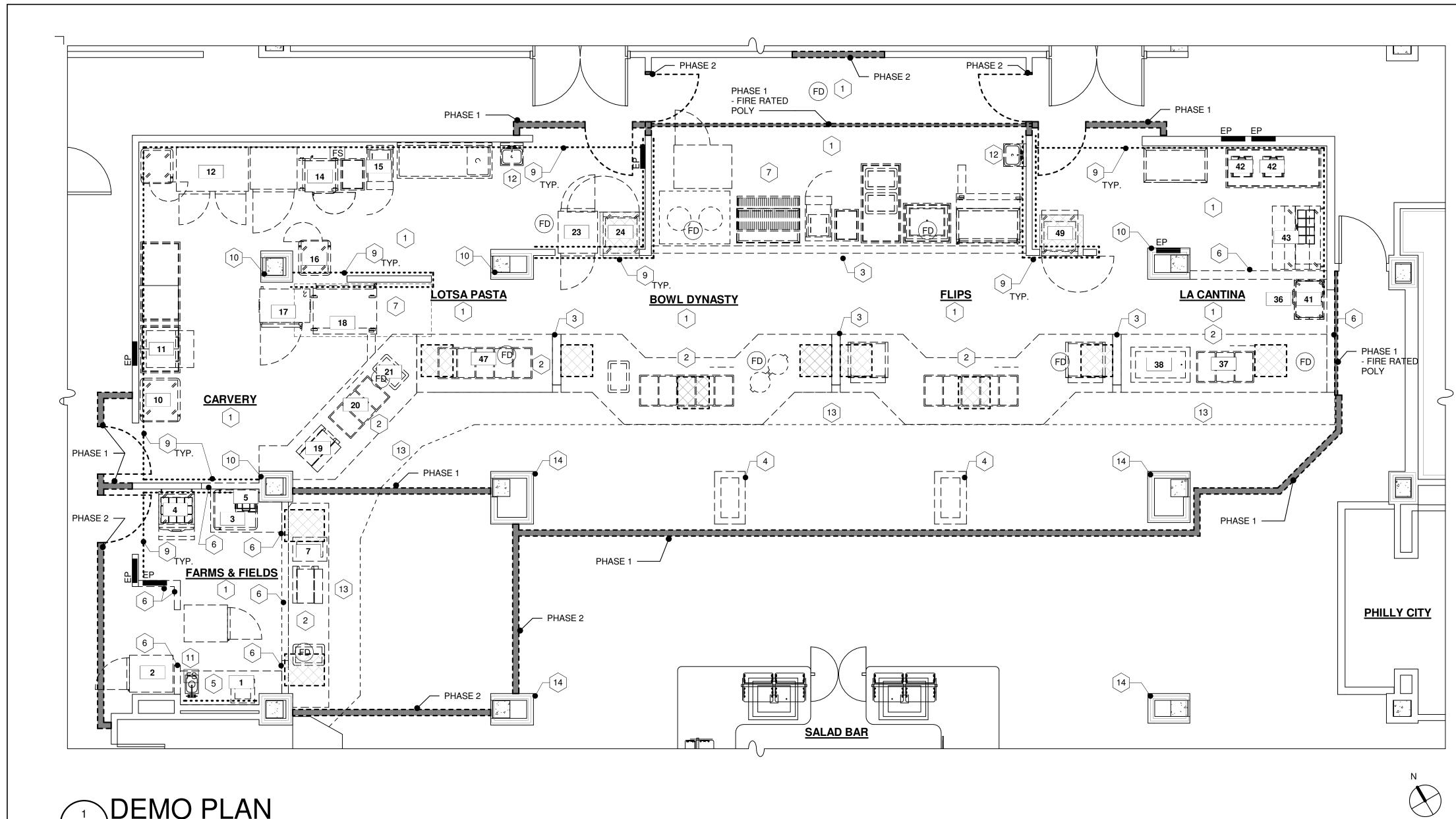
- AUTOMATIC SPRINKLER SYSTEM DOES NOT EXIST AND IS NOT REQUIRED. SECTION 804.4, FIRE ALARM AND DETECTION SECTION 805, MEANS OF EGRESS

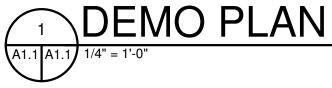
- WORK AREA IS OCCUPIED BY ONLY ONE TENANT, THEREFORE SECTION DOES NOT APPLY.

- SCOPE OF WORK COMPLIES WITH CHAPTER 7 INFORMATION, ABOVE. SECTION 808.1, ELECTRICAL - NEW INSTALLATION

- SCOPE OF WORK WILL BE CONDUCTED IN COMPLIANCE WITH 2011 NEC. - NEW PLUMBING WORK WILL BE ADDED PER 2012 VIRGINIA PLUMBING CODE (VPC), SEE PLUMBING SPECIFICATIONS. - THERMAL ENVELOPE OF THE BUILDING IS NOT IMPACTED BY THE WORK, THEREFORE SECTION DOES NOT APPLY.







GENERAL WORK NOTES

1. ALL NEW & EXISTING PENETRATIONS TO BE SEALED AS REQ'D. TO MAINTAIN REQ'D. FIRE RESISTANCE RATINGS. FILL FLOOR PENETRATIONS WITH NON-SHRINK GROUT AS REQ'D. GROUT TO HAVE NO GAPS AND BE FLUSH W/ ADJACENT SURFACES.

2. ALL NEW & EXIST. SURFACES TO REMAIN ARE TO BE FREE OF ALL EXIST. OR NEW BUILD-UPS, DRIPS, ETC. TO PROVIDE A SMOOTH, PROFESSIONAL APPEARANCE. REMOVE ALL ABANDONED, FASTENERS, ANCHORS, ETC & PATCH ALL EXIST. SURFACES TO REMAIN & PREP FOR NEW WORK & FINISHES. ALL EXIST. VISIBLE SURFACES TO REMAIN IN AREAS OF NEW WORK TO RECEIVE NEW FINISHES.(TYP.) - SEE FINISH SCHEDULE

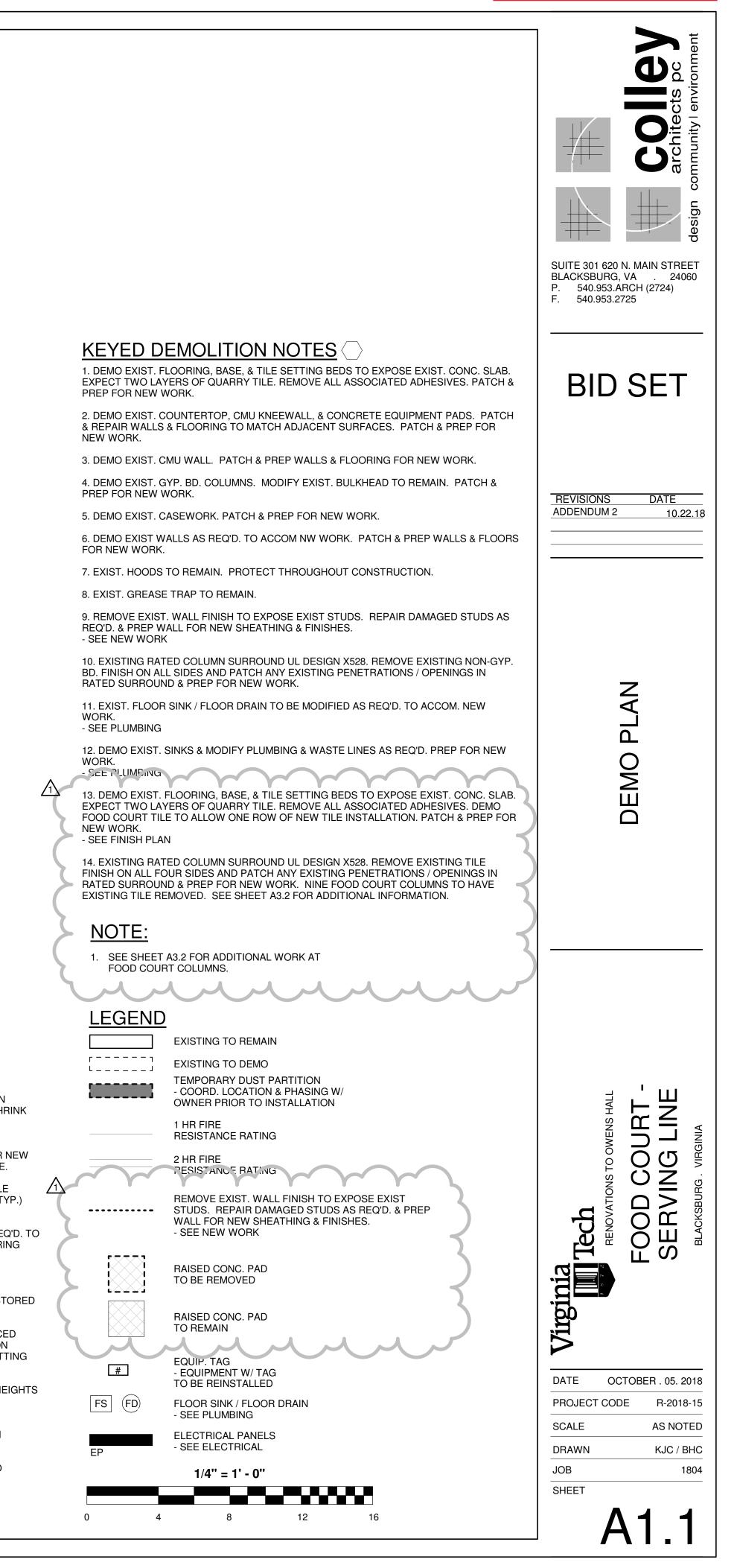
3. OWNER TO REMOVE EXIST. EQUIPMENT & STORE. CUT COUNTERTOP AS REQ'D. TO FACILITATE EQUIPMENT REMOVAL. EQUIPMENT SHALL NOT BE DAMAGED DURING REMOVAL. - SEE PLUMBING

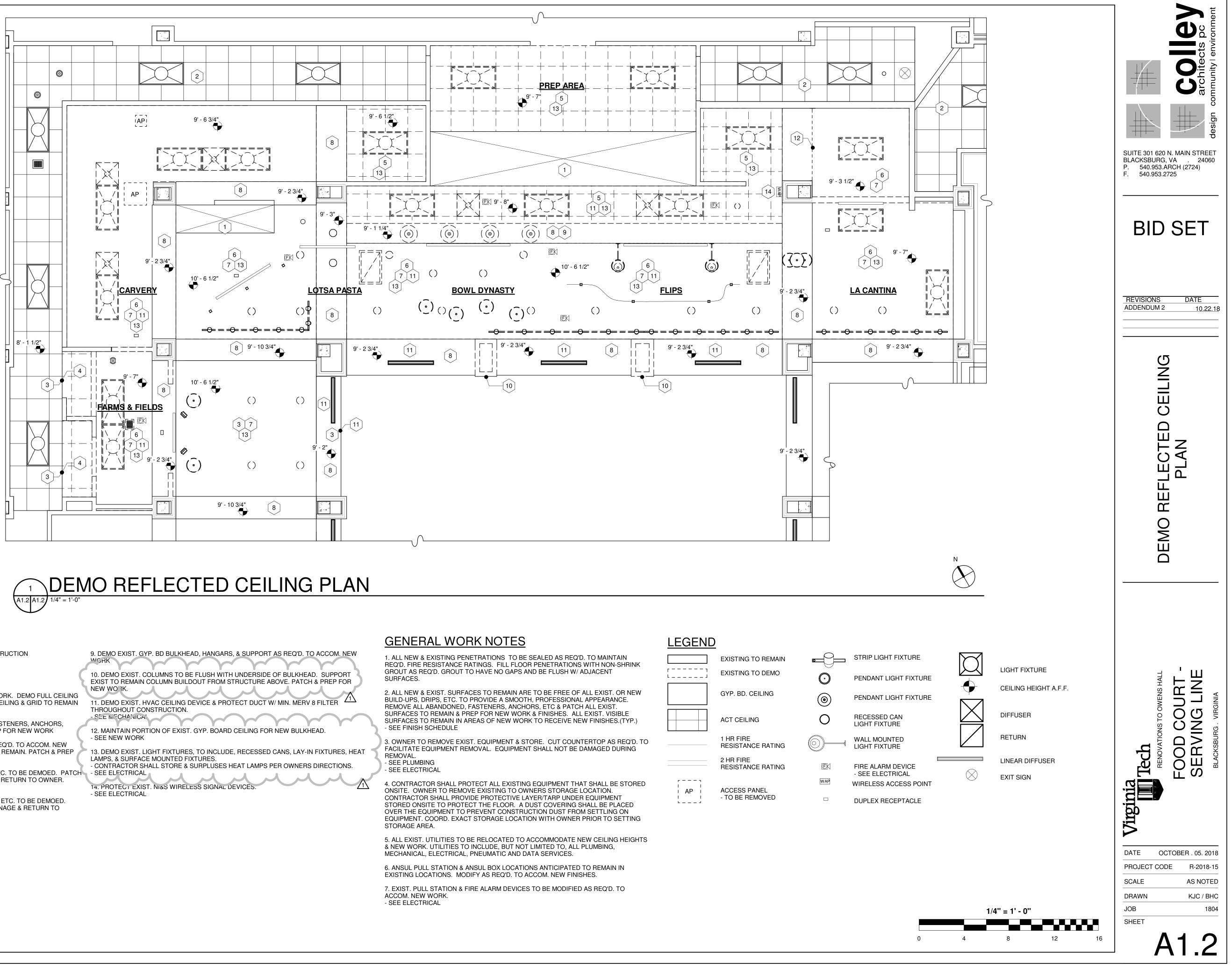
SEE ELECTRICAL
4. CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT THAT SHALL BE STORED ONSITE. OWNER TO REMOVE EXISTING TO OWNERS STORAGE LOCATION.
CONTRACTOR SHALL PROVIDE PROTECTIVE LAYER/TARP UNDER EQUIPMENT STORED ONSITE TO PROTECT THE FLOOR. A DUST COVERING SHALL BE PLACED OVER THE EQUIPMENT TO PREVENT CONSTRUCTION DUST FROM SETTLING ON EQUIPMENT. COORD. EXACT STORAGE LOCATION WITH OWNER PRIOR TO SETTING

STORAGE AREA. 5. ALL EXIST. UTILITIES TO BE RELOCATED TO ACCOMMODATE NEW CEILING HEIGHTS & NEW WORK. UTILITIES TO INCLUDE, BUT NOT LIMITED TO, ALL PLUMBING, MECHANICAL, ELECTRICAL, PNEUMATIC AND DATA SERVICES.

6. ANSUL PULL STATION & ANSUL BOX LOCATIONS ANTICIPATED TO REMAIN IN EXISTING LOCATIONS. MODIFY AS REQ'D. TO ACCOM. NEW FINISHES.

7. EXIST. PULL STATION & FIRE ALARM DEVICES TO BE MODIFIED AS REQ'D. TO ACCOM. NEW WORK. - SEE ELECTRICAL







KEYED DEMOLITION NOTES

1. EXIST. HOODS TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION

2. EXIST. CEILING & FIXTURES TO REMAIN

3. EXIST. CEILING TO BE MODIFIED TO ACCOM. NEW WORK

4. DEMO EXIST. CEILING & GRID AS REQ'D. TO ACCOM. NEW WORK. DEMO FULL CEILING TILES TO THE GREATEST EXTENT POSSIBLE. MODIFY EXIST. CEILING & GRID TO REMAIN TO ACCOM. NEW WORK

5. DEMO EXIST. SUSPENDED CEILING GRID & TILE, AND ALL FASTENERS, ANCHORS, CABLES, ETC. TO FULLY EXPOSE DECK ABOVE. PATCH & PREP FOR NEW WORK

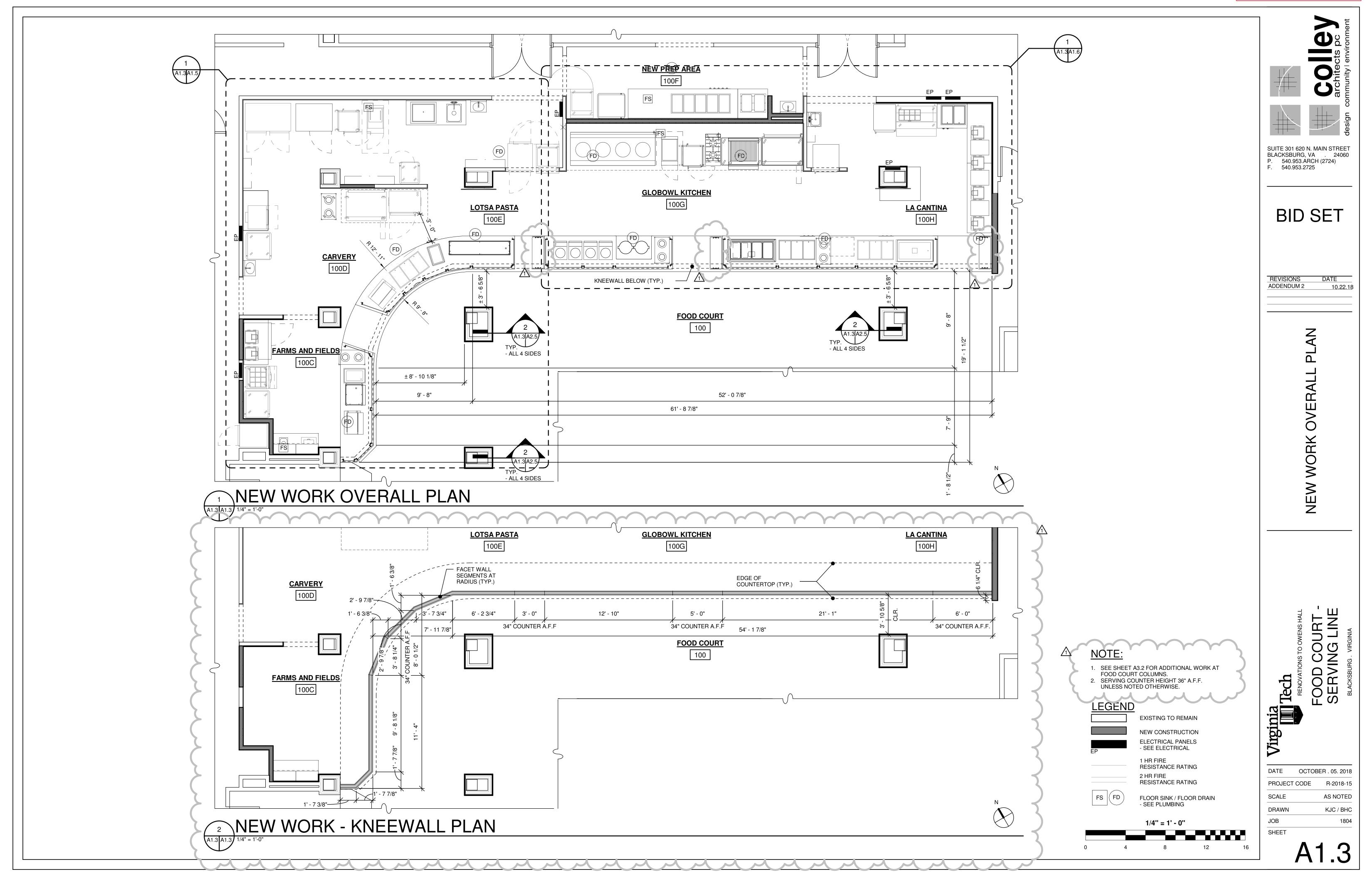
6. DEMO EXIST. GYP. BD CEILING, HANGARS, & SUPPORT AS REQ'D. TO ACCOM. NEW WORK. EXIST. FRAMING USED TO SUPPORT NEW CEILINGS TO REMAIN. PATCH & PREP FOR NEW WORK.

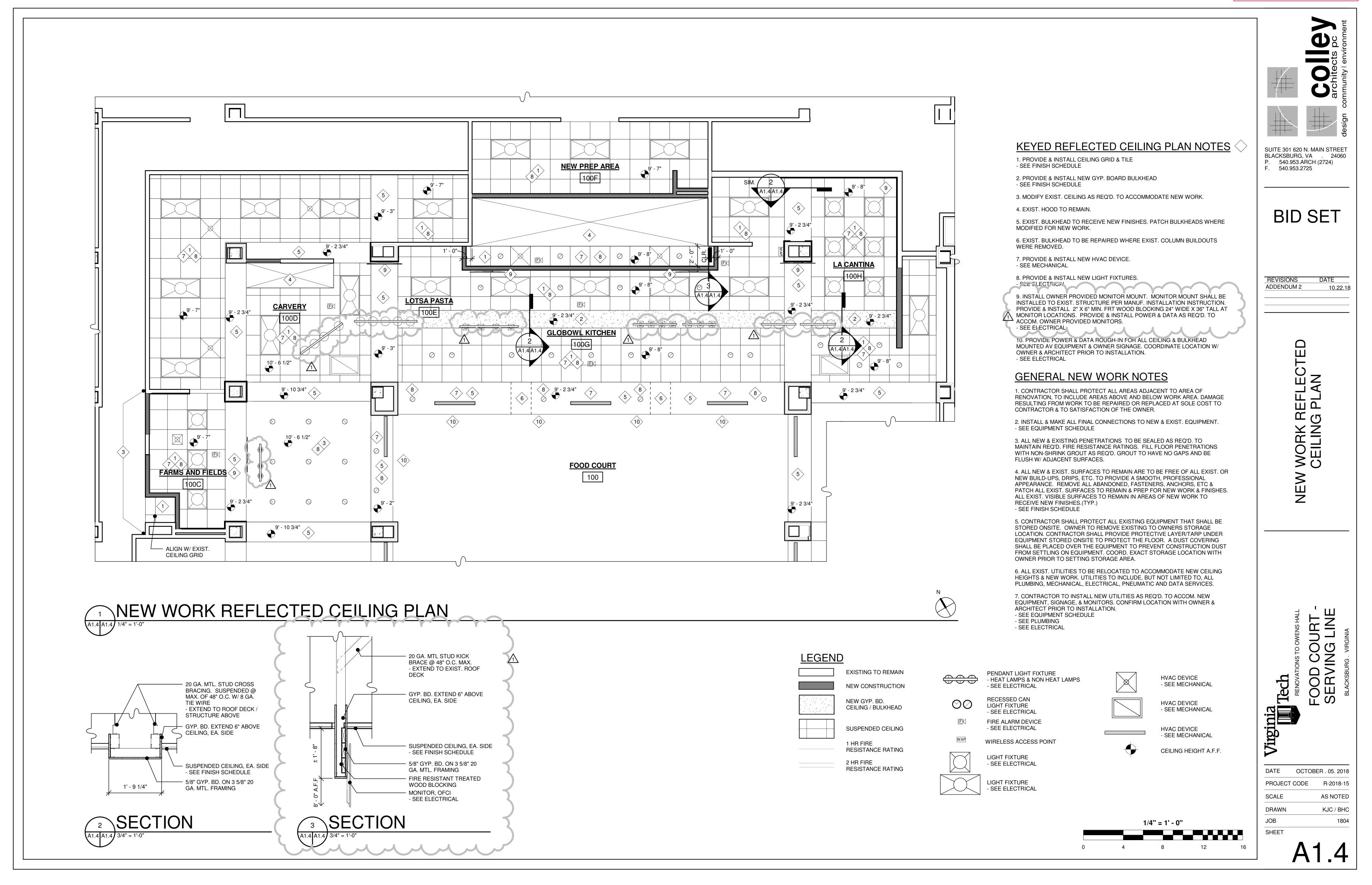
7. ALL CEILING MOUNTED BRACKETS, HARDWARE, TRACKS, ETC. TO BE DEMOED. PATCH - SEE ELECTRICAL & PREP CEILING FOR NEW WORK. REMOVE EXIST. SIGNAGE & RETURN TO OWNER. PATCH & PREP BULKHEAD FOR NEW WORK.

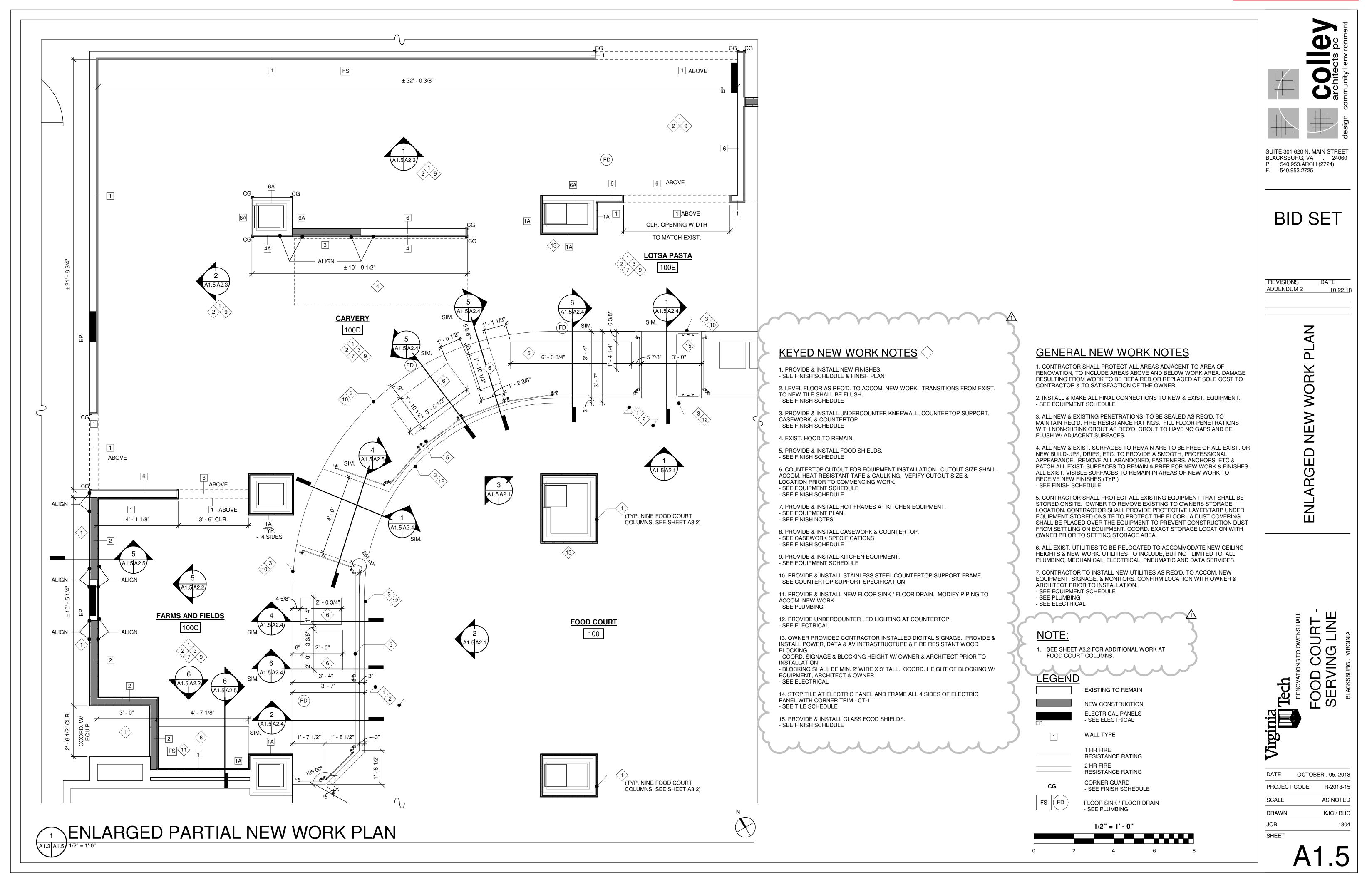
8. ALL BULKHEAD MOUNTED BRACKETS, HARDWARE, TRACKS, ETC. TO BE DEMOED. PATCH & PREP CEILING FOR NEW WORK. REMOVE EXIST. SIGNAGE & RETURN TO OWNER. PATCH & PREP BULKHEAD FOR NEW WORK.

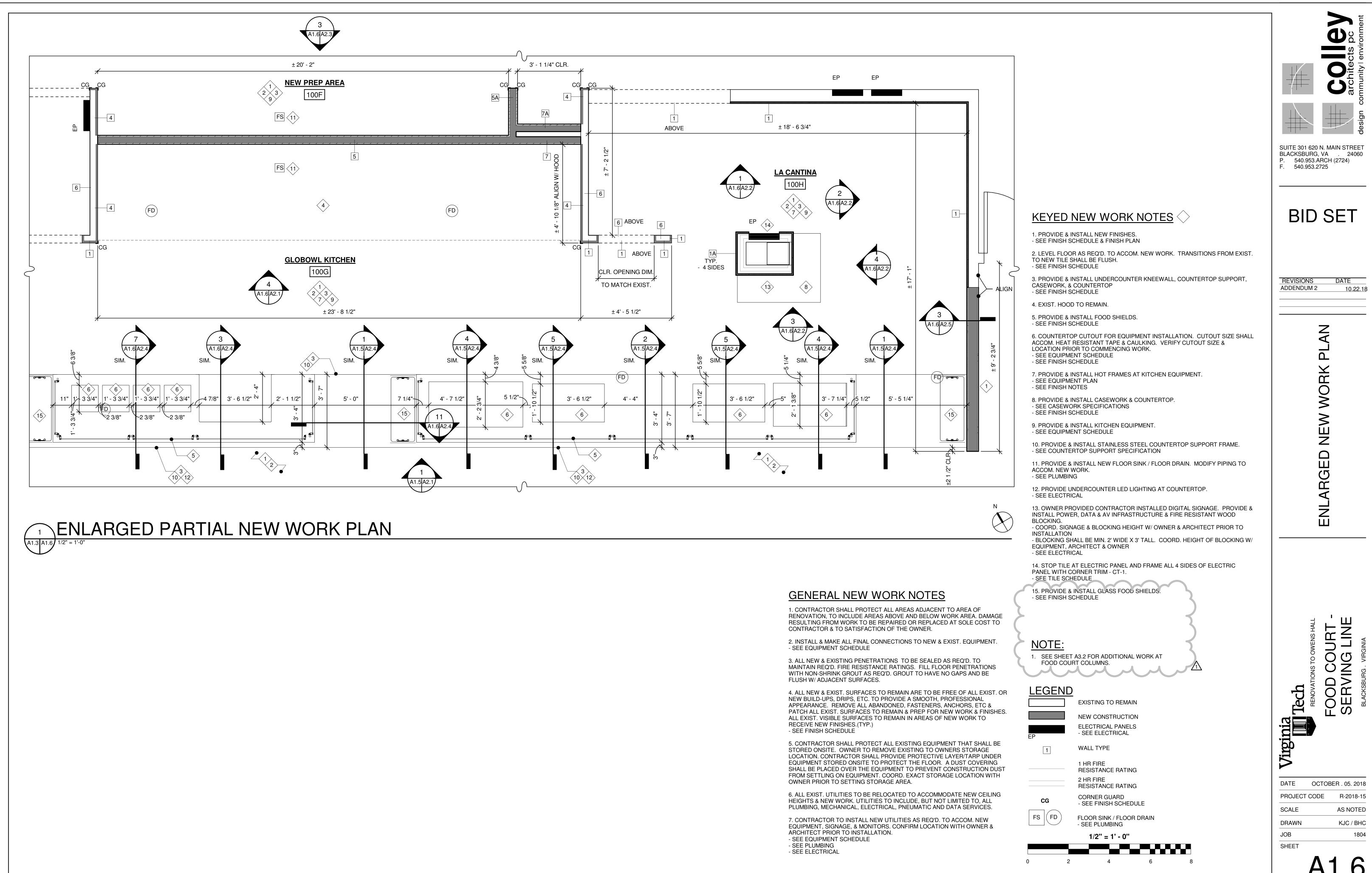
	EXISTING TO REMA
1 J	EXISTING TO DEMO
	GYP. BD. CEILING

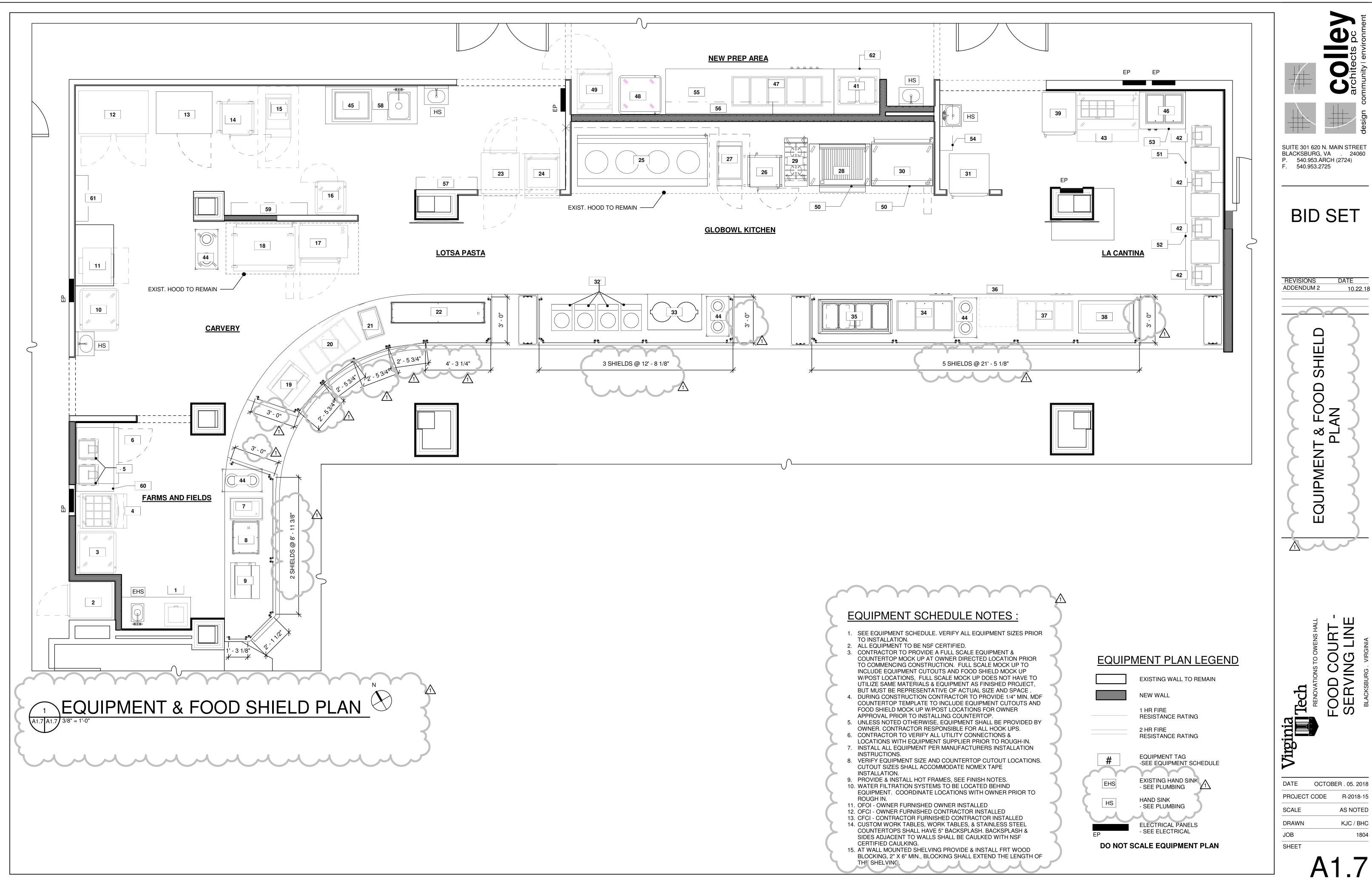
 1 HR FIRE RESISTANCE RA
 2 HR FIRE RESISTANCE RA



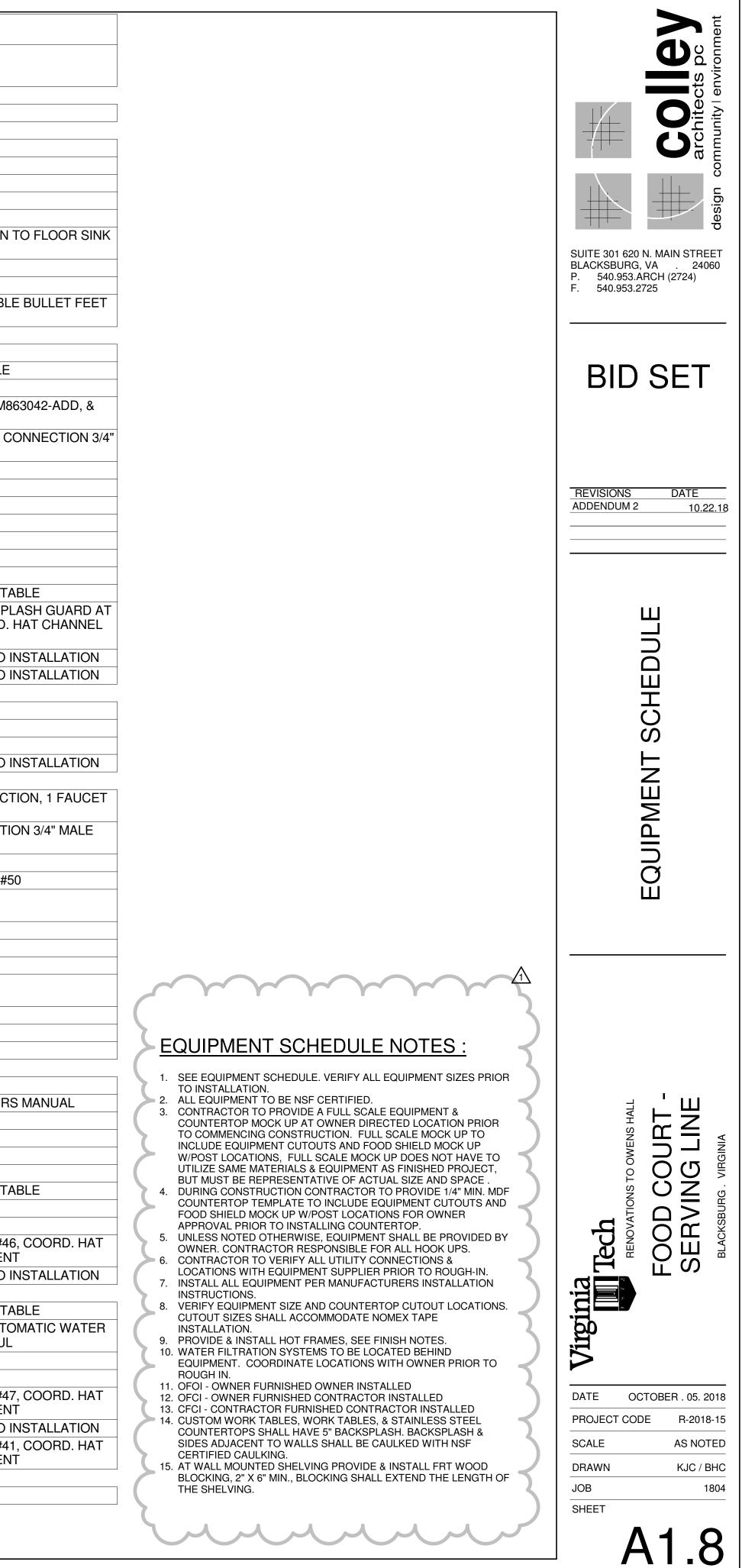


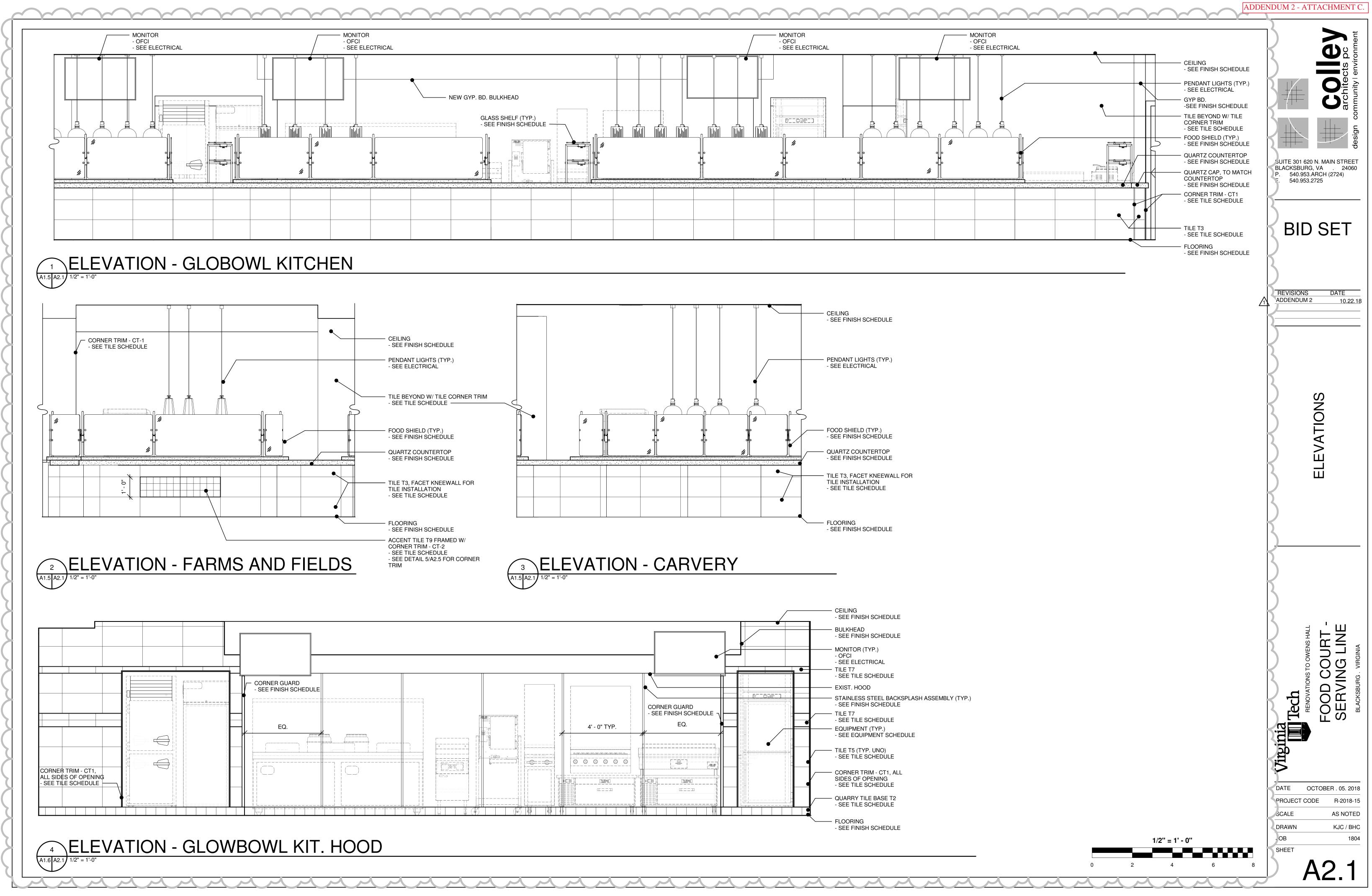


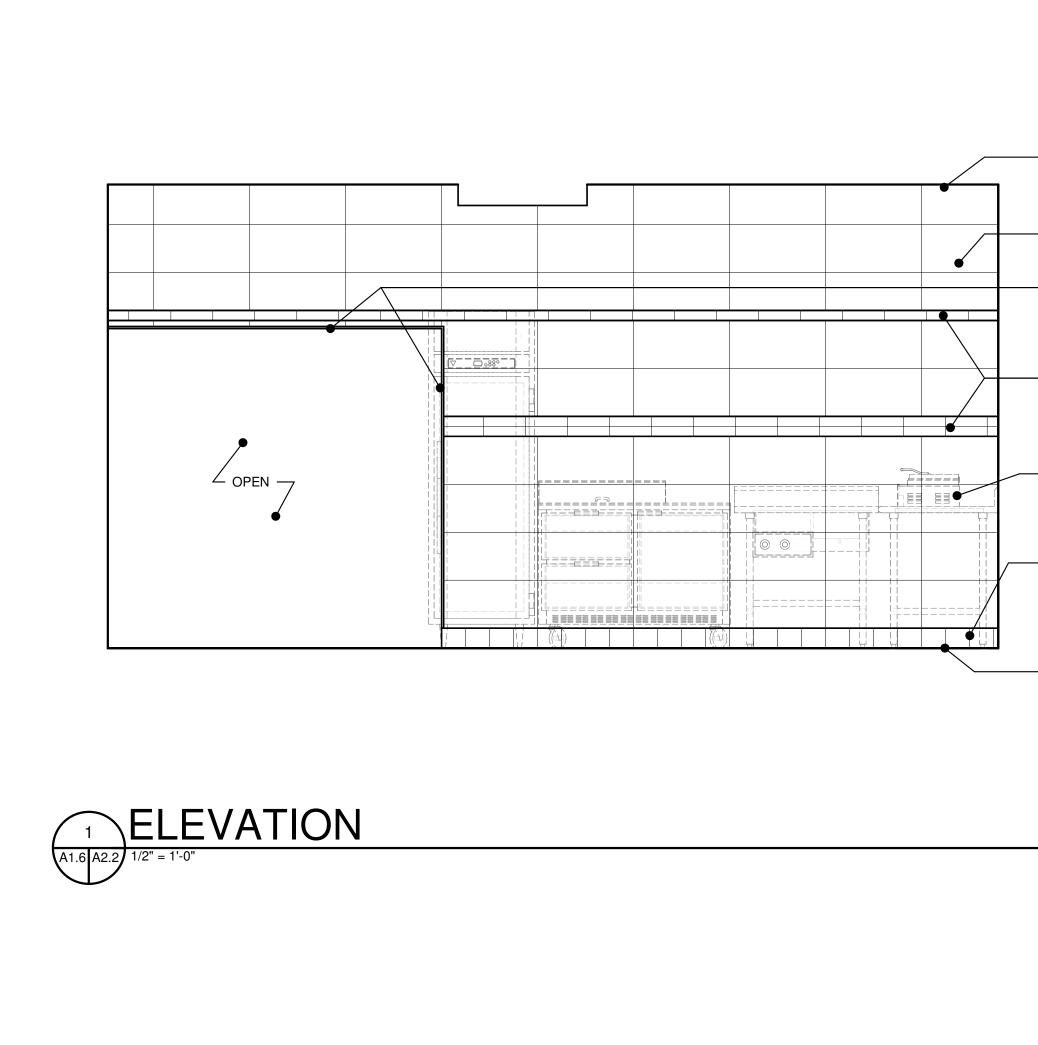




					SIZE	1			JIPMEN [®]			PLUM	BING	GAS	6		FURNISHED &	
i <mark>ark</mark> Rani	EQUIPMENT NAME	MANUFACTURER	MODEL	WIDTH	DEPTH	HEIGHT	VOLTS	AMPS	PHASE KW	RECPT TYPE	HW	CW	DRAIN	SIZE B	TU/HR	STATUS	INSTALLED BY	COMMENTS/QUESTIONS
2	REFRIGERATOR S AND FIELDS	HOBART	DAF1	27 3/8"	35"	82 1/2"	120	10.4		5-20R						EXIST.	OFCI	
1	ICE CREAM FREEZER	PERLICK	8000UL	16 1/8"	16 1/8"	26 3/4"	120	1.6		5-20R						EXIST.	OFCI	
3	WARMER PREP COOLER	F.W.E. VICTORY	TS-1826-18D UR-27-SAL	30 1/2" 27"	33 1/4" 35"	69 1/2" 42 1/4"	120 120	10 5.7		5-205 5-20R						EXIST. EXIST.	OFCI OFCI	
5	PANINI PRESS	DOUGHPRO	CSD1515	19 5/16"	24 1/2"		120	18.3		5-30R						EXIST.	OFCI	2 INDIVIDUAL PRESSES SHOWN
6		TRAULSEN	TU044HT	44"	34"	33 7/10"	120	6.3		5-20R			SEE			NEW	OFCI	
7	COLD WELL	RANDELL	9918SCA	26"	17 1/2"	27 1/2"	120	5		5-20R			COMMENTS			EXIST.	OFCI	VALVE DRAIN PROVIDED WITH UNIT FOR EXTENSI
8	SOLERA DROP IN MERCHANDISER	BSI	HTD-INF-NF-24		25 11/16"		120	4.5		5-20R						NEW	OFCI	
9 60	CARVING STATION WITH HEAT LAMP STAINLESS STEEL COUNTERTOP		DLM/BB/300ST CUSTOM VCTF-304	24" 42"	20" 30"	1 1/2"	120 120		.5	5-20R 5-20R						NEW NEW	OFCI CFCI	CUSTOM SIZE TOP W/ STAINLESS STEEL ADJUST
4RVI																		TA-20-4
10	WARMER	F.W.E.	TS-1826-18D	30 1/2"	33 1/4"	69 1/2"	120	11		5-20R						EXIST.	OFCI	
11	OVEN	MERRYCHEF	EIKON E5	28"	27 13/16"	25 5/16"	208	30	1 6.2							EXIST.	OFCI	PLACE ON EXIST. ROLLING SS TAE
12 13	FREEZER UNDERCOUNTER REFRIGERATOR	HOBART	DAF2 UHT32-R	54 3/4" 32"	35" 31 3/8"	82 1/2" 33 5/8"	120 120	15 10.6		5-20R 5-20R						EXIST. NEW	OFCI OFCI	W/ OFCI METRO SMARTLEVER - SM863042-KIT, S
																		SMW42 ABOVE
14	STEAMER (DBL. STACK)	ACCU-STEAM	E62083E150 DBL	23 1/4"	30 1/2"	30 3/8"	208	42	3	15-50R		3/4"	3/4"			EXIST.	OFCI	BARB FRONT MOUNTED DRAIN - EACH UNIT, WATE MALE GARDEN HOSE
	PASTA COOKER	FRYMASTER	8BCSC	18"	32 3/4"	49"	208	42	1 8		1/2"	1/2"	(2) 1 1 /2"			EXIST.	OFCI	1/4" COLD WATER SOLENOID
16 17	WARMER ROTISSERIE	F.W.E. HOBART	PS-1220-15 HR7	24 1/2" 38 7/8"	26 3/4" 34"	57 1/2" 38 3/8"	120 208	10.8 42.8	1	5-20R 6-50R						EXIST. EXIST.	OFCI OFCI	
17 18	GRIDDLE	ACCU-STEAM	GGF1201A4850-S2		34 38 5/16"	42 3/8"	1208	+2.0	.3							EXIST. EXIST.	OFCI	
19	CARVING STATION WITH HEAT LAMP		GRS-24-I	24"	19 1/2"	5 3/8"	120	2.9		5-20R						EXIST.	OFCI	
20 21	HOT WELL HOT WELL	WELLS ATLAS	MOD-300DM WIH-D-1	43 1/2" 24"	23 5/8"	9 3/4" 16 1/2"	208 120	13	1	6-20R			1/2"			EXIST. EXIST.	OFCI OFCI	
45	DROP-IN COLD WELL	WELLS	RCP-200	31"	25 3/8"	24 1/2"	120	5.5	I				1"			NEW	OFCI	CONTRACTOR SHALL INSTALL IN WOR
58	STAINLESS STEEL WORK TABLE	ADVANCE TABCO	CUSTOM KLAG-11B-306L-X	30"	30"	35 1/2"										NEW	CFCI	CUSTOM TABLE, W/ 16" X 20" X 12 INTEGRAL SINK, SINK, MODIFIED TO HOLD DROP IN EQ. #45, COO STUDS SUPPORT EQUIPMENT
61	STAINLESS STEEL SHELF STAINLESS STEEL SHELF	ADVANCE TABCO ADVANCE TABCO		60" 36"	10" 10"	10" 10"										NEW NEW	CFCI CFCI	4 SHELVES, COORD. MOUNTING HEIGHT PRIOR 4 SHELVES, COORD. MOUNTING HEIGHT PRIOR
	A PASTA HEATED SHELVES	HATCO	GRSB-72-F	72 3/4"	16 1/4"	4 7/8"	120	7.2		5-20R						NEW	OFCI	
22 23	2 DOOR REFRIGERATOR	TRAULSEN	RHT132WPUT-HHS		37 15/16"	83 1/4"	120	7.2		5-20R						EXIST.	OFCI	
24	WARMER	DELFIELD	SLHPT29-GS				115/208	1.6-2.0		10-20R						EXIST.	OFCI	
	STAINLESS STEEL SHELF	ADVANCE TABCO	WS-10-48-16	48"	10"	10"										NEW	CFCI	4 SHELVES, COORD. MOUNTING HEIGHT PRIOR
	CHINESE RANGE	JADE TITAN	JCR-4	102"	40"	62 3/4"	120	.2		5-20R	(2)	(2)	2"		00,000	NEW	OFCI	1 1/4" GAS REGULATOR, 1/2" CW MANIFOLD CONN
26	STEAMER	ACCUTEMP	E62083E150	23 1/4"	30 1/2"	30 3/8"	208		3 15	15-50R		1/2" 3/4"	3/4"	1/4"		NEW	OFCI	PER 2-HOLE BARB FRONT MOUNTED DRAIN, WATER CONNE
20		ACCOTEMI	E02003E130	23 1/4	30 1/2	30 3/0	200		5 15	15-500		3/4	3/4				OFGI	GARDEN HOSE
27	FRYER	PITCO	SSH75R	19 5/8"			120	.7		5-20R					25,000	NEW	OFCI	
28 29	BROILER RANGE	JADE TITAN JADE TITAN	JMRH-36B JTRH-2	36" 18"	38"	72 1/2" 66 1/2"	120 120		.3						0,000 0,000	NEW NEW	OFCI OFCI	1" GAS REGULATOR, SITS ON EQUI 1" GAS REGULATOR
														35				
30	GRIDDLE REFRIGERATOR	ACCU-STEAM VICTORY	GGF1201A4850-S2 RS-1D-S1-EW-HD	48 1/4" 31 1/4"	38 5/16" 35"	42 3/8" 84 1/4"	120 120	9.8	.3 2.5					3/4" 8	5,000	NEW NEW	OFCI OFCI	SITS ON EQUIP. #50
31 32	DROP-IN INDUCTION WOK	COOKTEK	MWDG2500	16 1/2"	16 1/2"	6 1/8"	208	9.0	2.5	6-20R						NEW	OFCI	4 INDIVIDUAL WOKS SHOWN
33	RICE WARMER	TOWN	RICEMASTER	18 1/4"	18 1/4"	12 1/2"	120		.01	5-20R						NEW	OFCI	2 INDIVIDUAL WARMERS SHOW
34	HOT WELL	WELLS	56916S MOD-300DM	43 1/2"	23 5/8"	9 3/4"	208		1.9	6-20R			1/2"			NEW	OFCI	
35	COLD WELL	RANDELL	9957FA	56 3/8"	28 5/16"	27"	120	9		5-15R			1/2"			NEW	OFCI	
50		RANDELL	FX-1CS-290	48"	33"	23 5/16"	120	7		5-20R						NEW	OFCI	
36	NTINA FOOD WARMER DRAWER	HATCO	HDW-2	29 1/2"	22 5/8"	21 1/8"	208	4.3	1 .9	6-15R						EXIST.	OFCI	
37	HOT WELL	WELLS	MOD-300DM	43 1/2"	23 5/8"	9 3/4"	208		3.7			1/2"	1/2"			EXIST.	OFCI	AUTOMATIC WATER FILL REFER TO OPERAT
38	LOW TEMP. COLDWELL REACH-IN WARMING CABINET	TEMPEST AIRE VICTORY	DI-2037-TA HSD-1D-1	45" 26 1/2"	26 3/4" 35"	25 3/4" 84 1/4"	120 208	12	1 15	5-15R 6-20R						EXIST. NEW	OFCI OFCI	
39 42	PANINI PRESS	DOUGHPRO	CSD1515	19 5/16"	24 1/2"	04 1/4	120	18.3	1 1.5	5-30R						EXIST.	OFCI	
43	PREP. COOLER	BEVERAGE AIR	SPED48-08C-2	48"	37 7/8"	41 11/16"		7.5		5-205						EXIST.	OFCI	
46 51	DROP IN HOT WELL STAINLESS STEEL WORK TABLE	WELLS ADVANCE TABCO	MOD-200DM TKSS-306	29 1/2" 30"	23 5/8" 72"	9 3/4" 35 1/2"	208		1 1.2	6-15R			1/2"			NEW NEW	OFCI CFCI	CONTRACTOR SHALL INSTALL IN WOR
52	STAINLESS STEEL WORK TABLE	ADVANCE TABCO		30"	84"	35 1/2"										NEW	CFCI	
53	STAINLESS STEEL WORK TABLE	ADVANCE TABCO	CUSTOM TKSS-303	30"	36"	35 1/2"										NEW	CFCI	CUSTOM TABLE MODIFIED TO HOLD DROP IN EQ
	STAINLESS STEEL SHELF	ADVANCE TABCO	WS-10-36-16	36"	10"	10"										NEW	CFCI	CHANNEL STUDS SUPPORT EQUIP 2 SHELVES, COORD. MOUNTING HEIGHT PRIOR
	HOT WELL	DUKE	E302M	30 3/8"	29 7/16"	34"	208		1 1.2							EXIST.	OFCI	CONTRACTOR SHALL INSTALL IN WO
47	HOT WELL	WELLS	MOD500	71 1/2"	23 5/8"	9 3/4"	208		1 1.2			1/2"	1/2"			EXIST.	OFCI	CONTRACTOR SHALL INSTALL IN WORKTABLE, A FILL, REFER TO OPERATORS MAN
	WARMER	F.W.E.	TS-1826-18	30 1/2"	33 1/4"	69 1/2"	120	11								NEW	OFCI	
49			SLHPT29-GS	0.01	100"		115/208	1.6-2.0	1							EXIST.	OFCI	
55	STAINLESS STEEL WORK TABLE	ADVANCE TABCO	CUSTOM TKSS-3611	36"	132"	35 1/2"										NEW	CFCI	CUSTOM TABLE MODIFIED TO HOLD DROP IN EQ CHANNEL STUDS SUPPORT EQUIP
•••	STAINLESS STEEL SHELF	ADVANCE TABCO	WS-10-84-16	84"	10"	10"										NEW	CFCI	4 SHELVES, COORD. MOUNTING HEIGHT PRIOR
56	STAINLESS STEEL WORK TABLE	ADVANCE TABCO	CUSTOM TKSS-363	36"	36"	23 1/2"										NEW	CFCI	CUSTOM TABLE MODIFIED TO HOLD DROP IN EQ CHANNEL STUDS SUPPORT EQUIPM
56						1					1	1		- I				
56 62	PLATE DISPENSER	TBD	TBD	EX.	EX.	EX.			I			I				NEW	OFOI	UNDERCOUNTER, NO UTILITIES

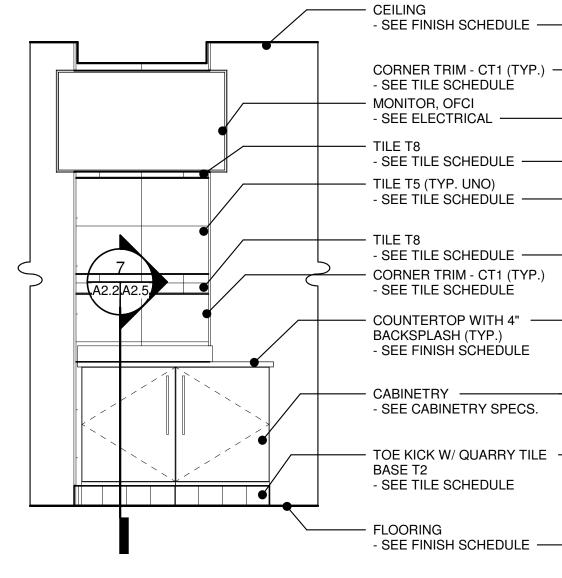


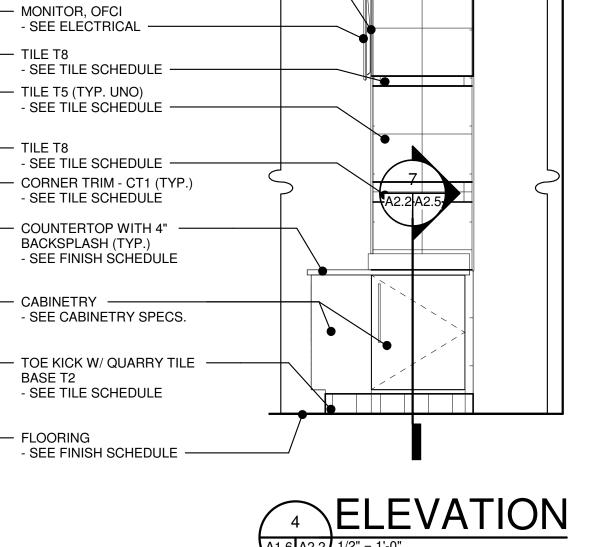




CORNER TRIM - CT1 (TYP.) -----

- SEE TILE SCHEDULÈ







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CEILING - SEE FINISH SCHEDULE

- TILE T5 (TYP. UNO) - SEE TILE SCHEDULE

· CORNER TRIM - CT1 - SEE TILE SCHEDULE

· TILE T7 - SEE TILE SCHEDULE

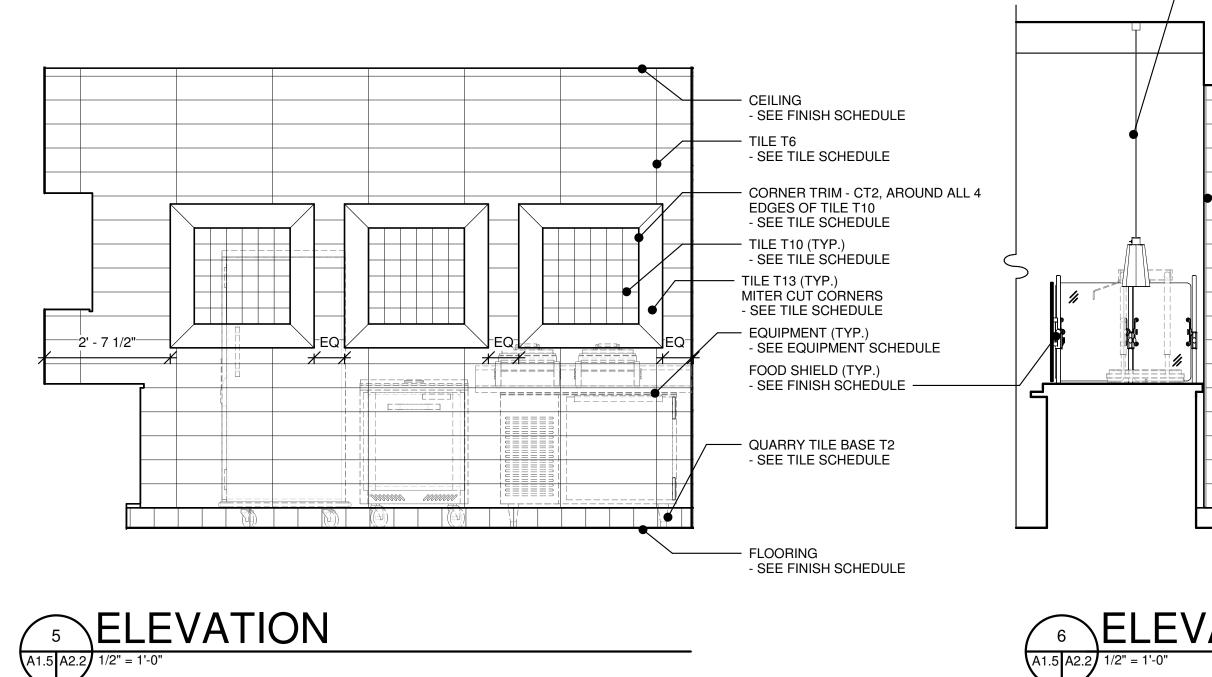
EQUIPMENT (TYP.) - SEE EQUIPMENT SCHEDULE

- QUARRY TILE BASE T2 - SEE TILE SCHEDULE

- FLOORING - SEE FINISH SCHEDULE

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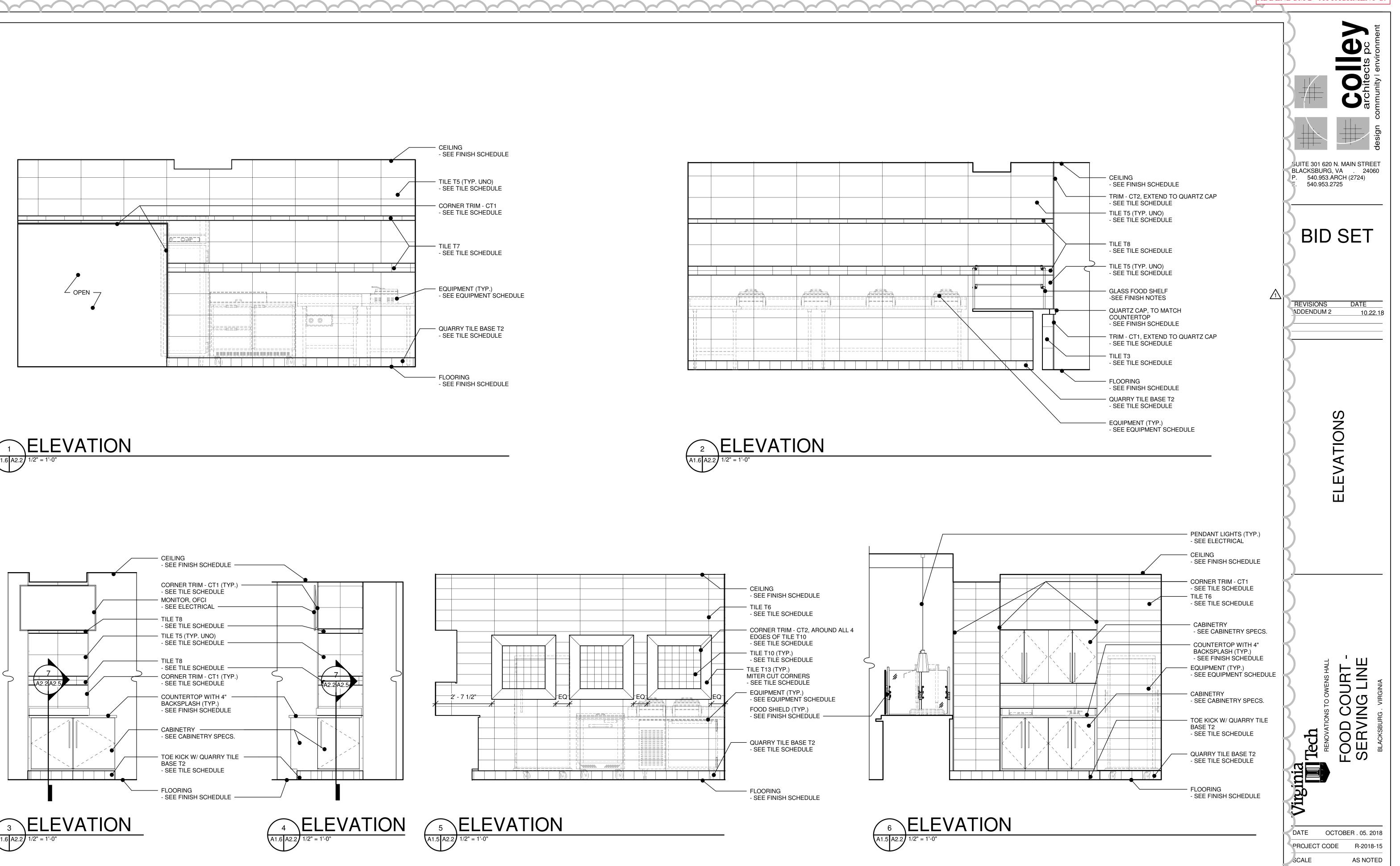
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1/2" = 1' - 0"

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ADDENDUM 2 - ATTACHMENT C.

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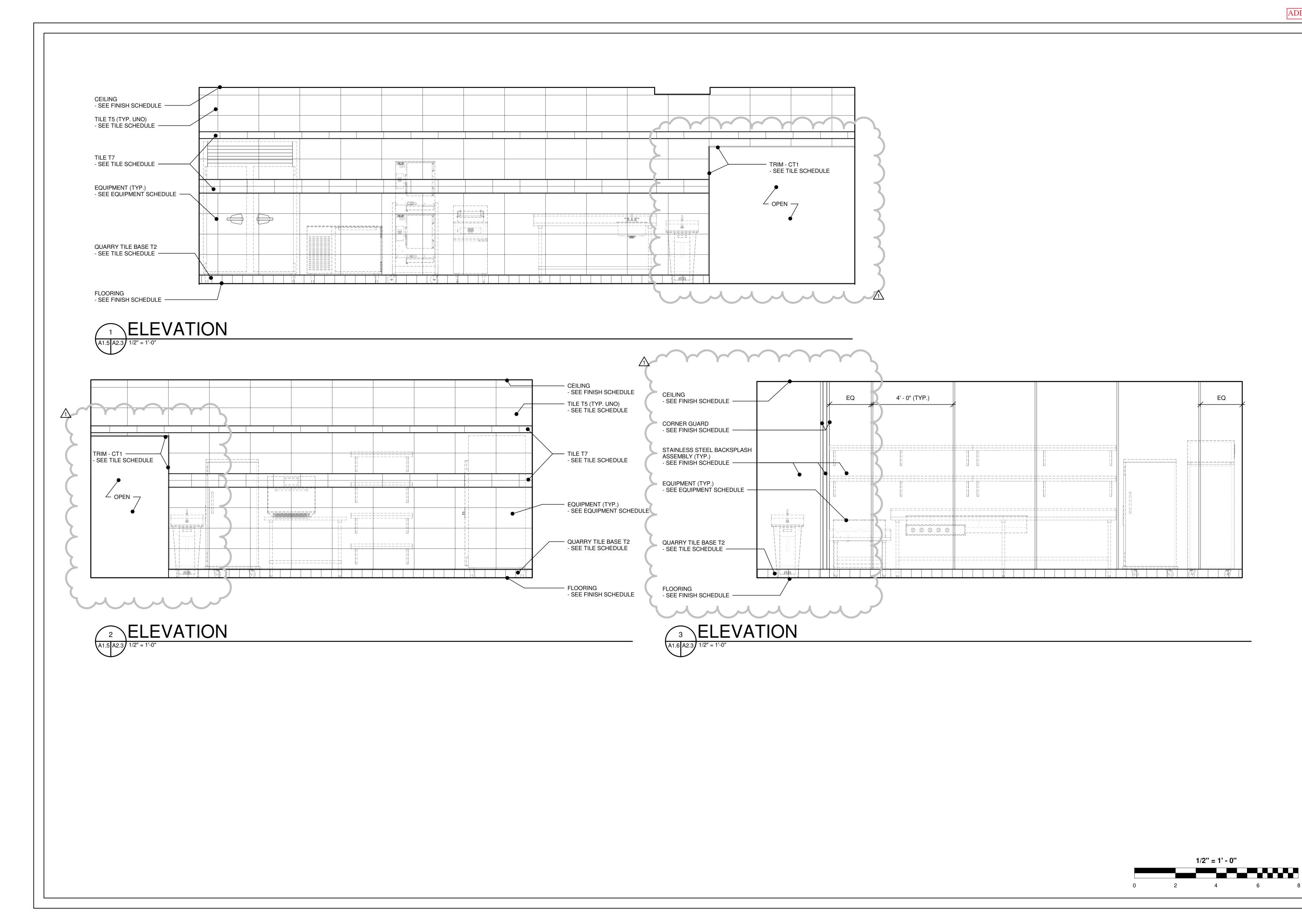
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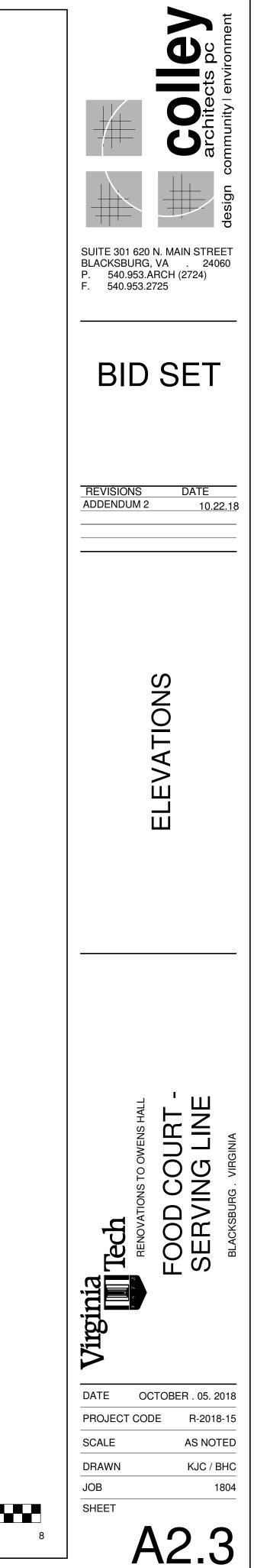
SHEET

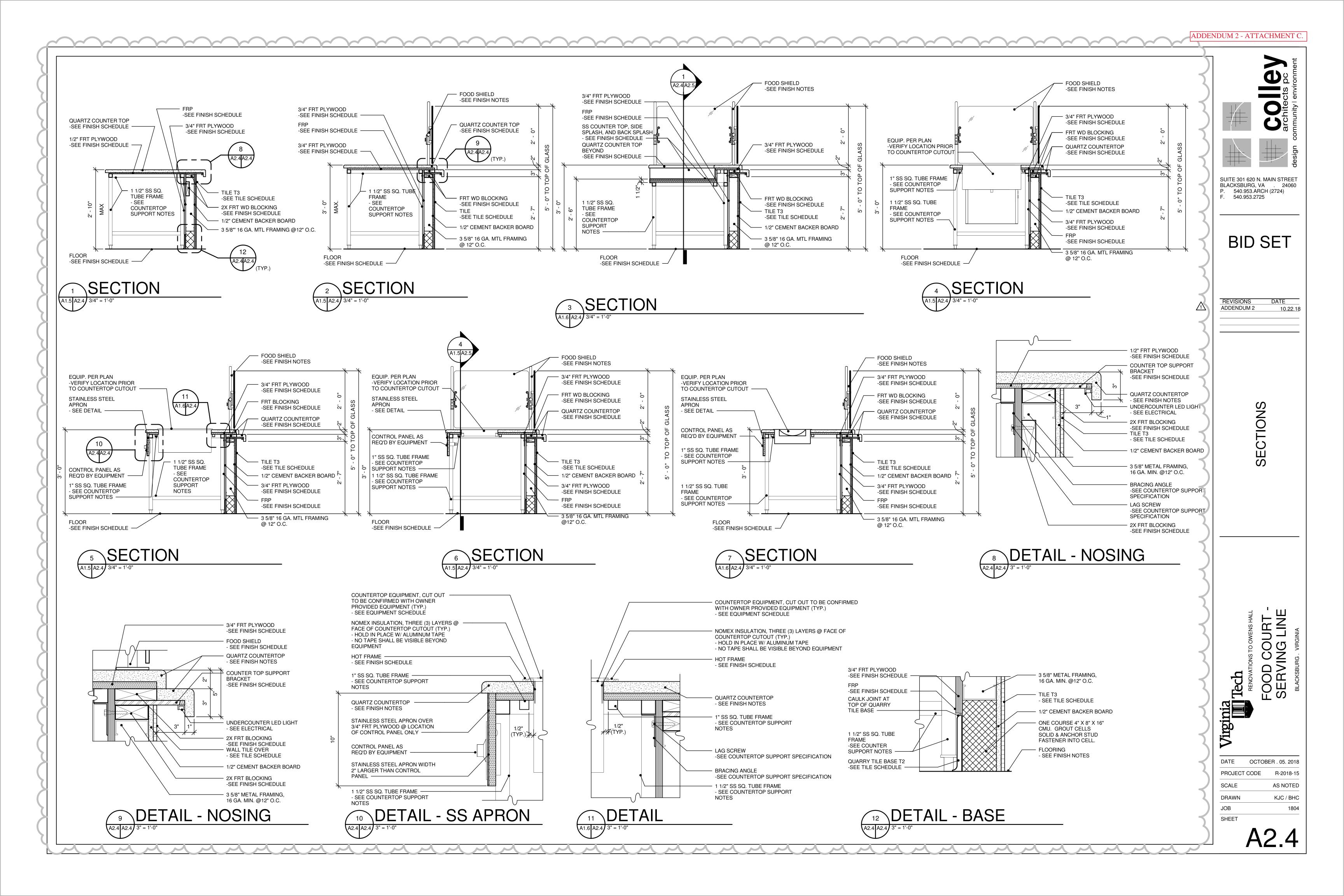
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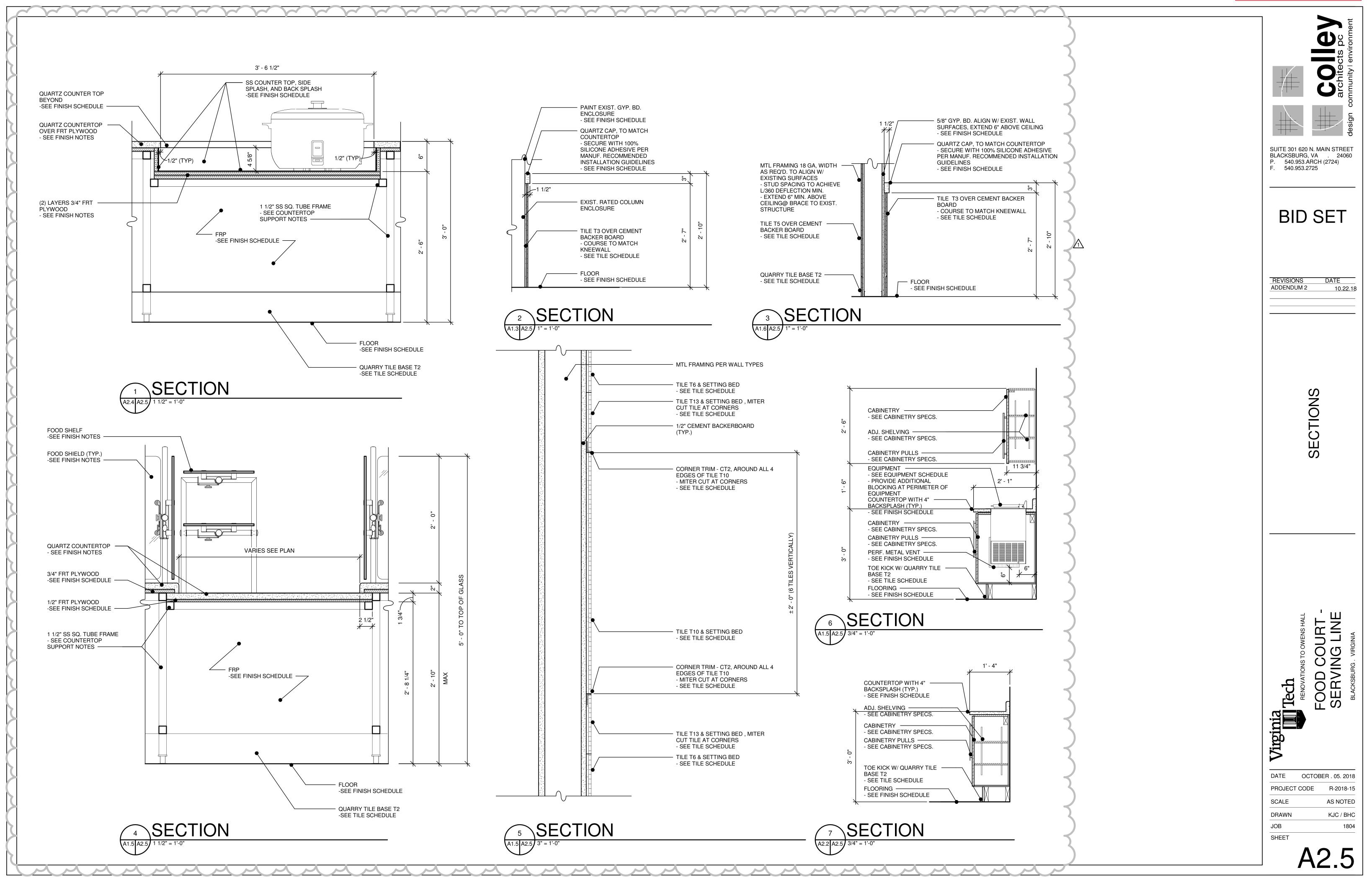
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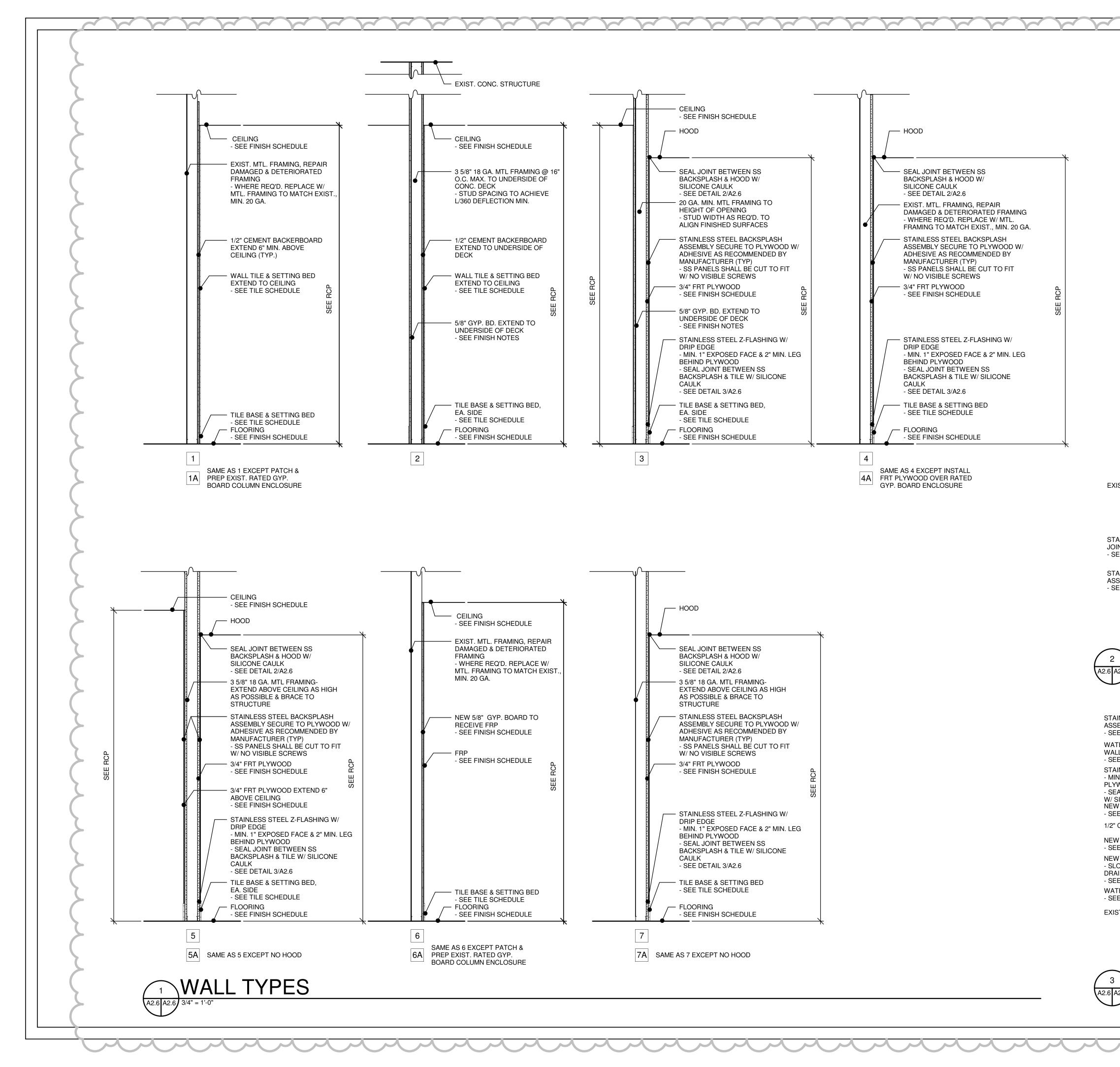


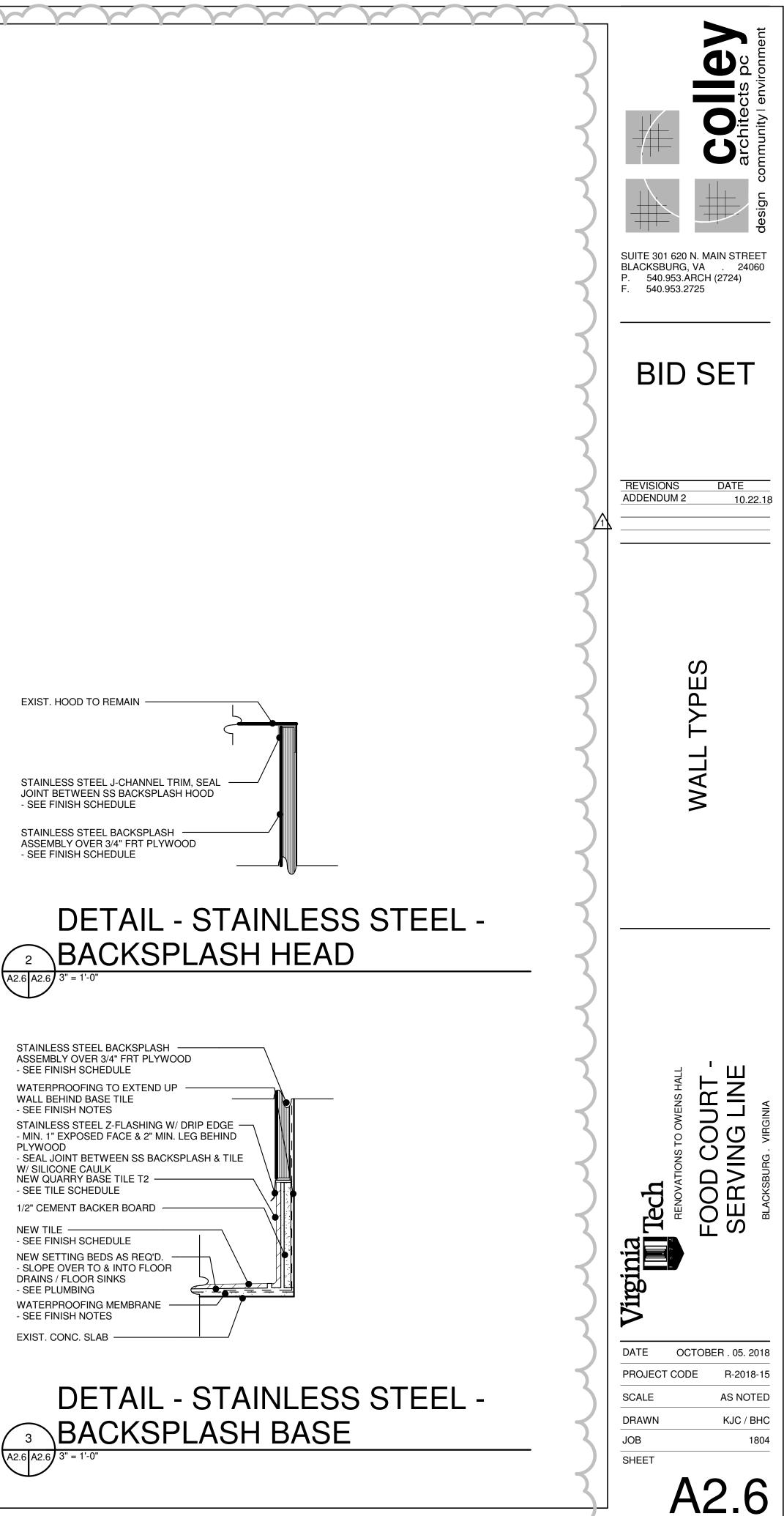


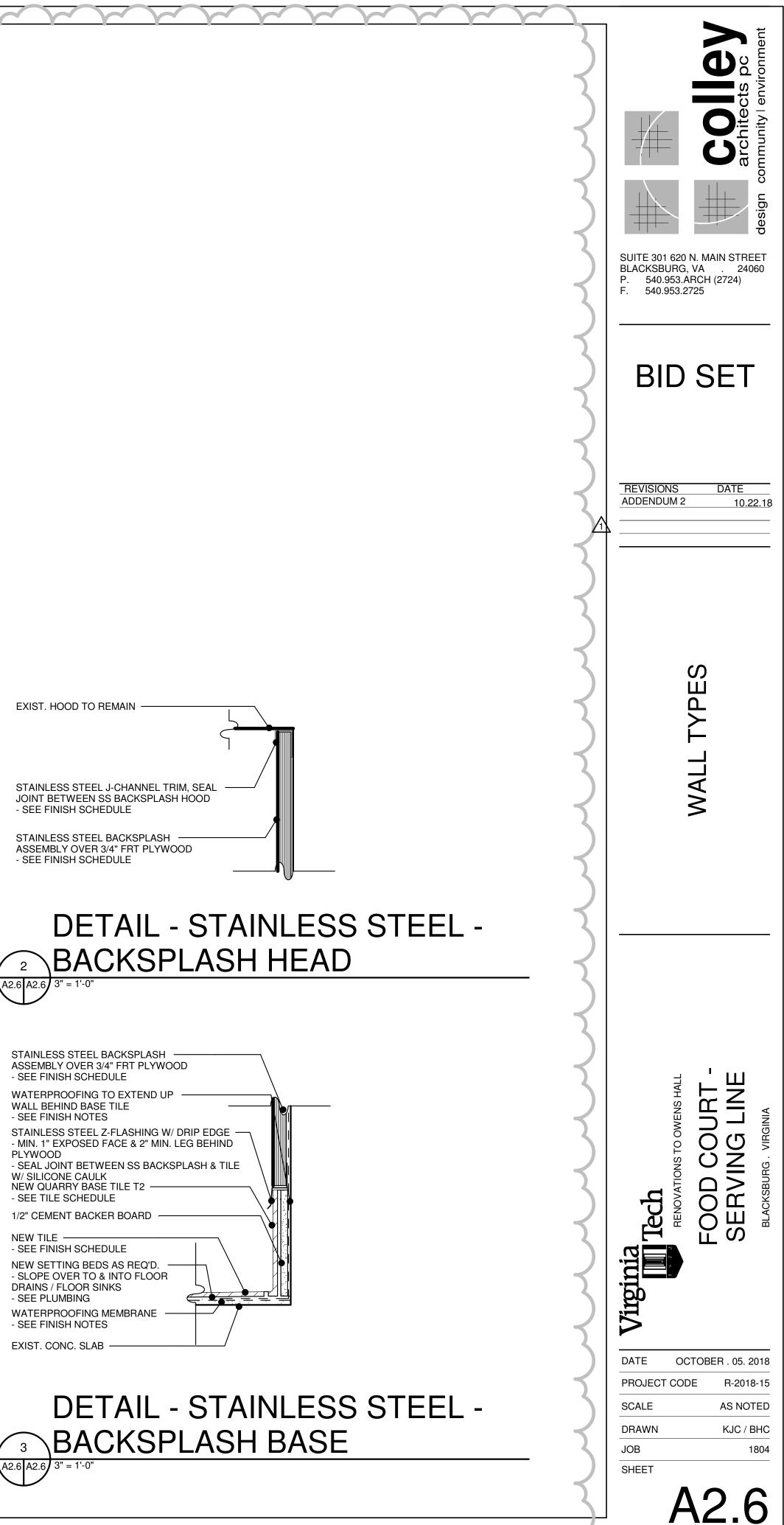




ADDENDUM 2 - ATTACHMENT C.







	FINSH SCHEDULE											
ROOM		FLOOR	BASE	WALL	CEILING							
NO.	ROOM NAME	FINISH	MATERIAL	FINISH	MATERIAL	HEIGHT						
100	FOOD COURT	EXIST. / NEW	TILE /	TILE / PAINT	GYP. BD.	EXIST.						
		TILE	QUARRY TILE									
100C	FARMS AND FIELDS	QUARRY TILE	QUARRY TILE	TILE / PAINT	SPECTRATILE / GYP. BD.	SEE RCP						
100D	CARVERY	QUARRY TILE	QUARRY TILE	TILE / PAINT / STAINLESS STEEL /	SPECTRATILE / GYP. BD.	SEE RCP						
				FRP								
100E	LOTSA PASTA	QUARRY TILE	QUARRY TILE	TILE / PAINT	SPECTRATILE / GYP. BD.	SEE RCP						
100F	NEW PREP AREA	QUARRY TILE	QUARRY TILE	TILE / PAINT / STAINLESS STEEL	SPECTRATILE / GYP. BD.	SEE RCP						
100G	GLOBOWL KITCHEN	QUARRY TILE	QUARRY TILE	TILE / PAINT / STAINLESS STEEL	SPECTRATILE / GYP. BD.	SEE RCP						
100H	LA CANTINA	QUARRY TILE	QUARRY TILE	TILE / PAINT FRP	SPECTRATILE / GYP. BD.	SEE RCP						

FINISH NOTES

ABLE 803.9, INTERIOR WALL FINISHES PER OCCUPANCY - OCCUPANCY = A-2 - ALL FINISHES AND MATERIALS SHALL BE MINIMUM CLASS B (UNLESS NOTED OTHERWISE) MATERIALS W/ FLAME SPREAD INDEX 26-75, AND SMOKE-DEVELOPMENT INDEX 0-450.

SECTION 804, INTERIOR FLOOR FINISHES - OCCUPANCY = A-2 - ALL INTERIOR FLOOR COVERING MATERIALS SHALL COMPLY W/ CPSC 16 CFR PART 1630 OR ASTM D 2859. ALL INTERIOR FLOOR FINISHES AND FLOOR COVERING MATERIALS SHALL WITHSTAND A MINIMUM CRITICAL RADIANT FLUX NOT LESS THAN CLASS II.

- SEE TILE SCHEDULE

QUARRY TILE: - SEE TILE SCHEDULE

COUNTERTOP

- SOLID SURFACE QUARTZ - NSF/ANSI STANDARD 512 COMPLIANT - 3 CM. MIN THICKNESS UNLESS NOTED OTHERWISE, 2 CM. MIN. THICKNESS BACKSPLASH, AS MANUFACTURED BY CAMBRIA, CAMBRIAN COLLECTION, COLOR CANTERBURY, PENCIL ROUND EDGE PROFILE, UNLESS OTHERWISE INDICATED. FRONT APRON TO BE BUILT UP. QUARTZ TO BE INSTALLED OVER FIRE RESISTANT EXTERIOR GRADE PLYWOOD SHEATHING.

- CONTRACTOR TO PROVIDE MIN. 6" X 6" SAMPLE FOR ARCHITECTS APPROVAL
- ENGINEERED QUARTZ SOLID SURFACE MATERIAL CONSISTING OF 93 PERCENT QUARTZ AGGREGATE BLENDED WITH 7 PERCENT RESINS, ADDITIVES, AND ENVIRONMENTALLY SAFE NON-FADE PIGMENTS. QUARTZ SURFACES TO BE NSF/ANSI 51 CERTIFIED FOR FOOD CONTACT, FOR ALL FOOD TYPES.
- SEAL COUNTERTOP PER MANUF. INSTALLATION INSTRUCTIONS
- PROVIDE 2" DIA. GROMMET WHERE ELECTRICAL CORDS, UTILITIES, ETC. MUST PASS THROUGH COUNTERTOP. HOLES SHALL HAVE EASED EDGES & POLISHED FINISH. COORD. EXACT LOCATIONS W/ OWNER PRIOR TO INSTALLATION.
- COUNTERTOP EQUIPMENT CUTOUTS SHALL HAVE RADIUS CORNERS AND EASED EDGES WITH POLISHED FINISH. COORD. EXACT LOCATIONS W/ OWNER PRIOR TO INSTALLATION.
- 6. AT LOCATIONS OF HOTWELLS PROVIDE HOT FRAMES.

COUNTERTOP SUPPORT BRACKET:

- KNEE WALL COUNTERTOP SUPPORT BRACKET, MANUF. BY ORGINALGRANITEBRACKET.COM, 7" LONG X 2 1/2" WIDE X 1/2" THICK SPACED @ 20" O.C. MAX.

HOT FRAMES

AS MANUFACTURED BY SURFACE LINK. INSULATED STAINLESS STEEL HOT FRAMES. 304 STAINLESS STEEL - BRUSHED, 16 GAUGE, ADHESIVE BOTTOM, 1/8" THICK, HEAT RESISTANT NSF & FDA APPROVED FOOD GRADE SILICONE TO SEAL UNDER & AROUND HOT FRAMES PERIMETER. EXTEND 1/2" BEYOND KITCHEN EQUIPMENT. CONTRACTOR SHALL SUBMIT FULL SHOP DRAWINGS FOR APPROVAL. DRAWINGS SHALL INCLUDE OVERALL DIMENSIONS & CUTOUT DIMENSIONS. - INSTALL AT ALL HOT WELL, HEATED SHIELDS, DROP IN WOK'S, AND DROP IN MERCHANDISERS.

- P1 SHERWIN WILLIAMS COLOR TO BE SELECTED BY OWNER BULKHEAD ABOVE
- P2 SHERWIN WILLIAMS COLOR TO BE SELECTED BY OWNER BULKHEAD ABOVE P3 - SHERWIN WILLIAMS - COLOR TO BE SELECTED BY OWNER - GYP. BOARD CEILING
- · P4 SHERWIN WILLIAMS COLOR TO BE SELECTED BY OWNER FOOD COURT COLUMNS / WALL
- P5 SHERWIN WILLIAMS COLOR TO BE SELECTED BY OWNER FOOD COURT BULKHEADS
- ALL EXIST. & NEW BULKHEADS AND GYP. BOARD CEILINGS IN AREA OF RENOVATION SHALL RECEIVE A NEW PAINT FINISH ALL PAINTED SURFACES TO RECEIVE ONE (1) COAT NO/LOW VOC PRIMER & TWO (2) COATS NO/LOW VOC EGGSHELL PAINT. ALL VISIBLE CMU, CONCRETE, VENEER PLASTER & GYP. BD. SURFACES TO RECEIVE PAINT FINISH UNLESS NOTED
- OTHERWISE SURFACES TO REMAIN & BE RE-FINISHED TO BE FREE OF ALL EXIST. OR NEW BUILD-UPS, DRIPS, ETC, TO PROVIDE A SMOOTH, PROFESSIONAL APPEARANCE.
- 4. ALL EXPOSED STRUCTURE, PIPING, ETC. TO BE PAINTED TO MATCH SURROUNDING FINISHES. COORD. COLORS W/ OWNER STEEL. & ARCHITECT. ALL EXISTING AND NEW EXPOSED PIPING, INSULATION, CONDUIT, SHEET METAL, ETC. TO REMAIN SHALL BE PAINTED TO
- MATCH ADJACENT SURFACES. COORDINATE W/ ARCHITECT. ALL EXIST. BULKHEADS, COLUMNS, WALLS AND PLASTER SURFACES TO REMAIN IN AREAS OF NEW WORK TO RECEIVE
- NEW FINISHES.
- EXIST. GYP. BD. CEILINGS & SOFFITS TO RECEIVE NEW PAINT AS INDICATED ON FINISH SCHEDULE & FINISH PLANS. NON-FACTORY STAINED FINISHES TO RECEIVE STAIN AS MANUFACTURED BY EGGERS INDUSTRIES OR APPROVED EQUIVALENT & TWO COATS NO/LOW VOC, WATER BASED POLYURETHANE, SHEEN TO BE SELECT BY ARCHITECT, OR APPROVED EQUAL. APPLY ALL FINISHES PER MANUFACTURER'S SPECIFIC INSTRUCTIONS FOR A CONSISTENT APPEARANCE FREE OF BRUSH MARKS, ETC.

SUSPENDED CEILING TILE & GRID:

SPECTRATILE FINALE SPT6020P, WATERPROOF, SMOOTH FINISH, 2' X 2' SQUARE TILE, COLOR WHITE. GRID TO BE ARMSTRONG AL PRELUDE PLUS XL 15/16. ALL ALUMINUM EXPOSED TEE. FIRE AND SMOKE CLASS A. TO THE GREATEST EXTENT POSSIBLE IT IS EXPECTED NEW CEILING HEIGHTS WILL BE SIMILAR TO EXIST. CEILING HEIGHTS.

FIRE RESISTANT TREATED WOOD (FRT): **RESISTANT PAINT ON ALL**

SURFACES & EDGES. PRIOR TO INSTALLATION.

FIBERGLASS REINFORCED PLASTIC (FRP): - PANOLAM. MINIMUM WALL PANEL THICKNESS OF .09", SURFACE BURNING CLASS A RATING, NSF/ANSI 35 CERTIFIED. COLOR WHITE, SMOOTH FINISH. BUTT JOINT NON-CORNER PANELS TO HAVE A SMOOTH AND FLUSH JOINT W/ NO VISIBLE GAPS OR OVERLAPS. CORNER JOINTS SHALL UTILIZE CORNER TRIM PIECES. FRP INSTALLATION TO INCLUDE ALL NECESSARY TRIMS. INSIDE & OUTSIDE CORNER TRIM, MOLDINGS & APPURTENANCES REQ'D FOR A COMPLETE INSTALLATION. FRP ADHESIVE SHALL BE SUITABLE FOR A COMMERCIAL KITCHEN ENVIRONMENT. - ALL PLYWOOD BELOW SERVING LINE SHALL BE FINISHED WITH FRP - ALL PLYWOOD EDGES EXPOSED TO KITCHEN AREA SHALL HAVE 3 MM PVC EDGEBANDING, COLOR TO MATCH FRP.

STAINLESS STEEL CORNER GUARD:

GYPSUM BOARD:

FOOD SHIELDS:

- 3/8" THICK FRONT & END PANEL GLASS, W/ 1" RADIUS CORNERS - FITTINGS TO HAVE BRUSHED ALUMINUM FINISH

INSTRUCTIONS.

GLASS FOOD SHELF:

ADDITIONAL LEAD TIME AS REQUIRED. - BSI ZGUARD TWO-TIER DISPLAY SHELF - ZG9930-3, 38" LENGTH INSTALLATION - SHOP DRAWINGS SHALL BE PROVIDED FOR REVIEW AND APPROVAL.

STAINLESS STEEL BACKSPLASH ASSEMBLY: - STAINLESS SUPPLY - 18 GA. 304 STAINLESS STEEL W/ #4 BRUSHED FINISH OVER 3/4" FRT PLYWOOD. 1" WIDE VISIBLE T MOULDING TRIM BETWEEN PANELS, MECHANICALLY FASTEN TRIM TO PLYWOOD SHEATHING. FASTENERS TO BE STAINLESS STEEL. SEAL STAINLESS STEEL BACKSPLASH AT HOOD & AT BASE USING SILICONE CAULK. - STAINLESS STEEL Z-FLASHING W/ DRIP EDGE W/ MIN. 1" EXPOSED FACE & 2" MIN. LEG BEHIND PLYWOOD @ JOINT BETWEEN QUARRY TILE BASE & BACKSPLASH ASSEMBLY.

STAINLESS STEEL CORNER TRIM: - STAINLESS STEEL J-CHANNEL 304 FINISH W/ 1 1/2" VISIBLE LEG. MECHANICALLY FASTEN J-CHANNEL TO WALL STRUCTURE. J-CHANNEL TO WRAP PLYWOOD SHEATHING & STAINLESS STEEL BACKSPLASH ASSEMBLY. FASTENERS TO BE STAINLESS

STAINLESS STEEL COUNTERTOP @ RICE WARMER: - MANUF. BY STAINLESS SUPPLY, OR APPROVED EQUAL, STAINLESS STEEL COUNTER TOP, APRON, SIDESPLASH AND BACKSPLASH. 16 GA 304 18/8 STAINLESS STEEL, NSF CERTIFIED. MATTE FINISH. SQUARE EDGE RETURN. INSTALL PER MANUF. INSTALLATION INSTRUCTIONS. PROVIDE SHOP DRAWINGS FOR APPROVAL.

SELF LEVELING COMPOUND: BASIS OF DESIGN IS CEMENT BASED SELF LEVELING ARDEX K15 OR APPROVED EQUAL. SUBMIT MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH MATERIAL AND PRODUCT USED. INCLUDE MANUFACTURER'S MATERIAL SAFETY DATA SHEETS. PRODUCT MUST HAVE A HYDRAULIC CEMENT-BASED INORGANIC BINDER CONTENT AS THE PRIMARY BINDER WHICH INCLUDES PORTLAND CEMENT PER ASTM C150: STANDARD SPECIFICATION FOR PORTLAND CEMENT AND OTHER SPECIALTY HYDRAULIC CEMENTS. GYPSUM-BASED PRODUCTS ARE NOT ACCEPTABLE. FOLLOW MANUFACTURERS GUIDELINES FOR PREPARATION, APPLICATION, FIELD CONTROL, & TOLERANCES.

PERFORATED METAL VENT: - MCNICHOLS PERFORATED METAL, 16 GA, 1/8" X 1" ROUND END SLOT, STAGGERED, 44% OPEN AREA, ITEM 16890016M2. 12" X 12" VENT LOCATED ON SIDE OF CASEWORK. INSTALL ON INSIDE FACE OF CASEWORK.

			TILE SCH	EDULE			
MARK	SIZE	MANUFACTURER	STYLE	COLOR	GROUT COLOR	GROUT WIDTH	COMMENTS
T1	6" X 6"	DALTILE	QUARRY TILE	ARID GRAY 0Q42	47 CHARCOAL	1/4"	KITCHEN FLOOR
T2	5" X 6"	DALTILE	QUARRY TILE	ARID GRAY 0Q42 - Q-3565	47 CHARCOAL	1/4"	KITCHEN FLOOR
Т3	12" x 24"	CROSSVILLE	ALTERED STATE	COPPER CORE AV344 UPS	115 TRUFFLE	1/8"	KNEEWALL/FOOD COURT FLOOR
T4	NOT USED						
T5	12" X 24"	DALTILE	SHOWSCAPE - REVERSE DOT	ALMOND SH10 - GLOSS	115 TRUFFLE	1/16"	WALL
T6	6" X 24"	WONDER PORCELAIN	RANCH WOOD	RW04 WARM BROWN	106 WALNUT	1/8"	WALL
T7	4" X 16"	DALTILE	ELEVARE	CACAO EL45 - GLOSS	115 TRUFFLE	1/16"	ACCENT WALL TILE
T8	2 1/2" X 10 1/2"	QUINTESSENZA CERAMICHE (MOSAIC COMMERCIAL SOLUTIONS	CROMIA	BRONZO	115 TRUFFLE	1/16"	ACCENT WALL TILE
Т9	4" X 4" MOSAIC ON 12" X 12" SHEET	CROSSVILLE	CONVERGENCE	SEPIA CON03	106 WALNUT	PER MANUF.	KNEEWALL
T10	4" X 4" MOSAIC ON 12" X 12" SHEET	CROSSVILLE	CONVERGENCE	SEPIA CON03	106 WALNUT	PER MANUF.	ACCENT WALL TILE
T11	12" X 24"	ATLAS CONCORDE	CHESTER	SADDLE	115 TRUFFLE	1/8"	FOOD COURT FLOOR - ADDITIVE BID
T12	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	FOOD COURT FLOOR
T13	6" X 48"	WONDER PORCELAIN	RANCH WOOD	RW04 WARM BROWN	106 WALNUT	1/8"	ACCENT WALL

GENERAL TILE FINISH NOTES

- 1. CONTRACTOR TO COORDINATE WITH TILE MANUFACTURERS FOR POTENTIAL ADDITIONAL LEAD TIME AS REQUIRED. 2. NEW FINISHED TILE FLOOR HEIGHT TO MATCH EXISTING FLOOR HEIGHT. TRANSITIONS BETWEEN EXIST. AND NEW TILE TO BE FLUSH WITH NO HEIGHT TRANSITIONS
- 3. ALL TILE SYSTEM COMPONENTS TO BE INSTALLED PER MOST CURRENT EDITION OF TCNA (TILE COUNCIL OF NORTH AMERICA) REQUIREMENTS
- & MANUFACTURER'S SPECIFIC GUIDELINES. ALL METHODS WILL UTILIZE EPOXY GROUT. 4. MORTARS, GROUTS, CAULKS, ADHESIVES AND SIMILAR PRODUCTS TO BE NO/LOW VOC TO THE GREATEST EXTENT POSSIBLE. TECHNICAL DATA
- SHEETS (TDS) AND MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE PROVIDED TO ASSURE COMPLIANCE. ALL FLOOR TILE, WATERPROOFING MEMBRANES & SETTING BEDS TO PROVIDE POSITIVE SLOPE AS REQ'D. OVER TO & INTO ALL FLOOR DRAINS.
- WATERPROOFING MEMBRANE TO BE LATICRETE HYDROBAN, OR APPROVED EQUAL. MEMBRANE TO BE APPLIED CONTINUOUSLY TO COVER ENTIRE FLOOR AREA AND TO BE AN INTEGRAL COMPONENT OF THE FLOOR TILE & SETTING BED SYSTEM AND INTEGRATE PROPERLY WITH MORTAR, GROUT AND ALL OTHER COMPONENT MATERIALS. EXTEND WATERPROOFING UP WALL TO HEIGHT OF BASE TILE. AT SINK LOCATIONS EXTEND WATERPROOFING 12" MIN. ABOVE SINK & 12" MIN. TO EACH SIDE OF SINK.
- THIN SET SHALL BE LATICRETE 254 PLATINUM OR APPROVED EQUAL 8. THICK BED MORTAR SHALL BE LATICRETE 3701 FORTIFIED MORTAR BED OR APPROVED EQUAL
- 9. GROUT SHALL BE LATICRETE SPECTRALOCK 2000 IG EPOXY GROUT INDUSTRIAL XP 2000 HIGH PERFORMANCE INDUSTRIAL EPOXY LIQUIDS AND XP 2000 HIGH PERFORMANCE INDUSTRIAL EPOXY POWDER. 10. MORTARS AND ADHESIVES SHALL BE LATICRETE PRODUCTS SUITABLE FOR COMMERCIAL KITCHEN INSTALLATION WITH EPOXY GROUT FOR A
- COMPLETE SYSTEMS WARRANTY. 11. CONTRACTOR SHALL FOLLOW ALL SPECIFICATIONS, CERTIFICATIONS, ETC. AS REQ'D. TO OBTAIN A FULL LATICRETE SYSTEMS WARRANTY. 12. FOR FLOOR LEVELING SEE FINISH NOTES.

QUARRY TILE FINISH NOTES

. CONTRACTOR SHALL PROVIDE SUBMITTAL TO INCLUDE PHYSICAL TILE & BASE SAMPLE & GROUT TYPE AND COLOR. ALIGN FLOOR GROUT JOINTS & BASE GROUT JOINTS TO THE GREATEST EXTENT POSSIBLE. 3. QUARRY TILE TO BE SEALED ALONG TOP EDGE. PREVENT ADHESION OR STAINING OF EXPOSED TILE SURFACES BY GROUT, PROTECT EXPOSED SURFACES OF TILE AGAINST ADHERENCE OF MORTAR AND GROUT BY PRE-COATING TILES WITH A CONTINUOUS FILM OF TEMPORARY PROTECTIVE COATING, TAKING CARE NOT TO COAT UNEXPOSED TILE SURFACES. GROUT RELEASE PROVIDE WATER BASED

CERAMIC & PORCELAIN TILE FINISH NOTES

- 1. CONTRACTOR SHALL PROVIDE A 36" X 36" MIN. MOCK UP OF ALL FLOOR & WALL TILE LAYOUTS FOR APPROVAL BY OWNER PRIOR TO INITIATING TILE WORK 2. CONTRACTOR SHALL PROVIDE SUBMITTAL TO INCLUDE PHYSICAL TILE & BASE SAMPLE & GROUT TYPE AND COLOR.
- 3. TILE CORNER TRIM:
- Q125EB WITH CORNER TRIM PIECES. INSTALL PER MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS. CONTRACTOR TO PROVIDE SCHLUTER SAMPLES TO ARCHITECT FOR APPROVAL.
- CONTRACTOR TO PROVIDE SCHLUTER SAMPLES TO ARCHITECT FOR APPROVAL

CABINETRY SPECIFICATIONS

- . PREFINISHED PLASTIC LAMINATE CASEWORK WITH OVERLAY DOORS. ALL SURFACES OF CABINETS TO HAVE PLASTIC LAMINATE FINISHES, UNLESS OTHERWISE INDICATED.
- 2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CASEWORK AND COUNTERTOPS SHOWING PLAN VIEW, ELEVATIONS, DETAILS, SECTIONS, SIZES, INSTALLATION NUMBERING SYSTEM, AND METHOD OF ATTACHMENT. INCLUDE LAYOUT OF CASEWORK WITH RELATION TO OTHER BUILDING COMPONENTS AND COORDINATION WITH OTHER TRADES. CONTRACTOR SHALL PROVIDE FINISHES
- SAMPLES TO ARCHITECT FOR APPROVAL. 3. MATERIALS: LUMBER SHALL BE PROPERLY AIR DRIED & SCIENTIFICALLY KILN-DRIED IN A CONTROLLED PRE-DRYER & KILNS TO A MOISTURE CONTENT OF 6% TO 8%, THEN TEMPERED BEFORE FABRICATION. PREFINISHED PLYWOOD WITH MAPLE ROTARY CUT VENEER, AA FACE GRADE, BACK GRADE 1 PLYWOOD CORE
- . EDGES: SHALL BE EDGE BANDED W/ PLASTIC LAMINATE, COLOR TO MATCH EXTERIOR LAMINATE SURFACE. 5. DOORS: SHALL BE 3/4" MIN THICK OVERLAY SOLID WOOD CONSTRUCTION W/ FRAMELESS CONCEALED HINGES (EUROPEAN TYPE): B01602, 120 DEGREES OF OPENING, SELF CLOSING. ALL DOORS TO EXPOSE A UNIFORM 3/16" REVEAL. TWO DOORS WILL BE USED
- ON CASES ABOVE 24" IN WIDTH. EDGEBANDING SHALL BE APPLIED TO ALL FOUR SIDES OF DOOR PANEL. 6. SHELVES: MATERIALS SHALL BE 3/4" MIN. THICK PLYWOOD W/ FRP FINISHES ON ALL SIDES. SHELVES SHALL BE ADJUSTABLE ON METAL PLUG
- CLIPS AND SHALL BE ROUTED BENEATH FOR A POSITIVE STOP FEATURE. 7. SIDES: SHALL BE 3/4" MIN. THICK PLYWOOD W/ PLASTIC LAMINATE FINISH ON ALL VISIBLE SURFACES. TONGUE & GROOVE
- CONSTRUCTION W/ADHESIVE. 8. BOTTOMS OF BASE CABINETS: MATERIALS SHALL BE 11/16" MIN. PLYWOOD SURFACES INSIDE AND OUTSIDE W/ PLASTIC LAMINATE
- ON ALL EXPOSED FACES. BOTTOMS SHALL BE DOWELED & GLUED TO THE CABINET SIDES. 9. BACKS: SHALL BE 5/32" MINIMUM HARDBOARD, SURFACED W/ PLASTIC LAMINATE. BACKS SHALL BE TONGUED AND GROOVED INTO CABINET SIDES, GLUED & PINNED IN PLACE.
- 10. TOE BASE: SEPARATE TOE BASE WILL BE A CONTINUOUS LADDER TYPE, CONSTRUCTED OF 3/4" EXTERIOR GRADE PLYWOOD. CABINET SIDE WILL NOT BE ALLOWED TO DIRECTLY CONTACT THE FLOOR. EXPOSED SURFACE TO BE COVERED W/ QUARRY TILE BASE. BASE TO BE INSTALLED BY OTHER TRADE. TOE KICK HEIGHT TO ACCOMMODATE FULL HEIGHT QUARRY TILE BASE 11. FILLER PANELS: SHALL BE 3/4" MIN THICK SOLID WOOD CONSTRUCTION LIKE DOOR CONSTRUCTION. FINISHES TO MATCH
- ADJACENT CABINETRY SURFACES. COORD. WITH ARCHITECT. 12. PULLS TO BE HAFELE, 117.05.640 (14 5/8" LONG) AT DOORS, STAINLESS STEEL HANDLES IN MATTE FINISH. CONTRACTOR TO PROVIDE
- SAMPLE OF PULL FOR FINAL APPROVAL. PULLS TO BE INSTALLED VERTICALLY. 13. COUNTERTOP: SEE FINISH SCHEDULE 14. FIRE-RETARDANT-TREATED WOOD: HANDLE, STORE, AND INSTALL FIRE-RETARDANT-TREATED WOOD TO COMPLY WITH
- RECOMMENDATIONS OF CHEMICAL TREATMENT MANUFACTURER, INCLUDING THOSE FOR ADHESIVES USED TO INSTALL WOODWORK. ANCHOR WOODWORK TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE TO GROUNDS, STRIPPING AND BLOCKING WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE FINE FINISHING NAILS FOR EXPOSED NAILING, COUNTERSUNK AND FILLED FLUSH WITH WOODWORK AND MATCHING FINAL FINISH WHERE TRANSPARENT FINISH IS INDICATED. 15. PLASTIC LAMINATE (PLAM) FINISHES TO BE WILSONART OR APPROVED EQUAL. CONTRACTOR SHALL PROVIDE 6" X 6" MIN. PHYSICAL FINISH
- SAMPLES FOR APPROVAL TO ARCHITECT. 16. - PL1 - WILSONART, OILED BRONZE 6200, EXTERIOR CASEWORK, SURFACES - LA CANTINA & FARMS & FIELDS. 17. - FINISH INTERIOR OF CASEWORK, INTERIOR FACE OF CASEWORK DOORS, & SHELVES TO BE FRP, SEE FINISH NOTES

- ALL CONCEALED WOOD, BLOCKING, PLYWOOD, ETC. TO BE FIRE RESISTANT TREATED WOOD OR WOOD PRIMED W/ FIRE

- PLYWOOD SHEATHING SHALL BE EXTERIOR GRADE FIRE RESISTANT TREATED WOOD, 3/4" OR 1/2" AS IDENTIFIED - WOOD BLOCKING SHALL BE MIN. 2" X 6" FIRE RESISTANT WOOD BLOCKING, MONITOR BLOCKING TO EXTEND 2' WIDE X 3' TALL MIN. TO THE GREATEST EXTENT POSSIBLE. COORDINATE AV & MONITOR BLOCKING LOCATIONS W/ OWNER & ARCHITECT

- CG1 STAINLESS STEEL CORNER GUARD 18 GA. 1.5" WINGS, 90°. TYPE 304 SATIN FINISH. FULL HEIGHT, MECHANICALLY ATTACHED W/ #8 COUNTERSUNK DRILLED OVAL HEAD SCREW.

- ALL GYPSUM BOARD (GYP. BD.) SHALL BE 5/8" GOLD BOND HI-IMPACT XP GYPSUM BOARD OR APPROVED EQUAL

- FOOD SHIELDS SHALL BE CONTRACTOR PROVIDED CONTRACTOR INSTALLED. CONTRACTOR TO COORDINATE WITH MANUFACTURER FOR POTENTIAL ADDITIONAL LEAD TIME AS REQUIRED.
- FOOD SHIELDS SHALL BE BSI ZGUARD, ZG9500-4 W/ 1" POSTS
- POST MATERIAL STAINLESS STEEL WITH A BRUSHED SATIN FINISHED. - MOUNTING OPTION - INSTALL ABOVE COUNTER W/ NARROW FLANGE MW2, PER MANUF. RECOMMENDED INSTALLATION

- SHOP DRAWINGS SHALL BE PROVIDED FOR REVIEW AND APPROVAL.

- CONTRACTOR PROVIDED CONTRACTOR INSTALLED. CONTRACTOR TO COORDINATE WITH MANUFACTURER FOR POTENTIAL

- BRUSHED ALUMINUM FINISH, 1/4" TEMPERED GLASS WITH 1" RADIUS CORNERS, ABOVE COUNTER MW2 NARROW FLANGE

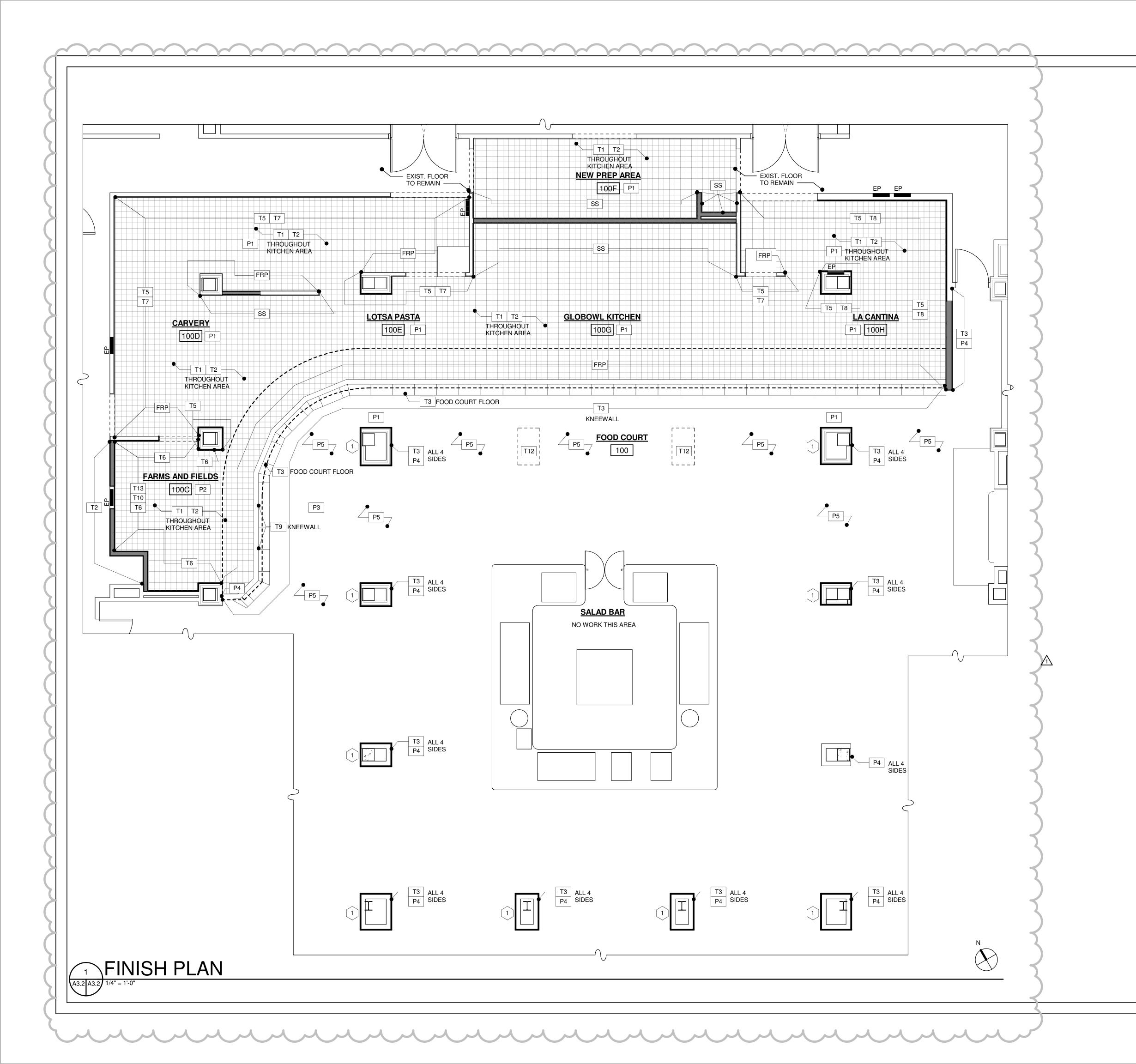
ADDENDUM 2 - ATTACHMENT (

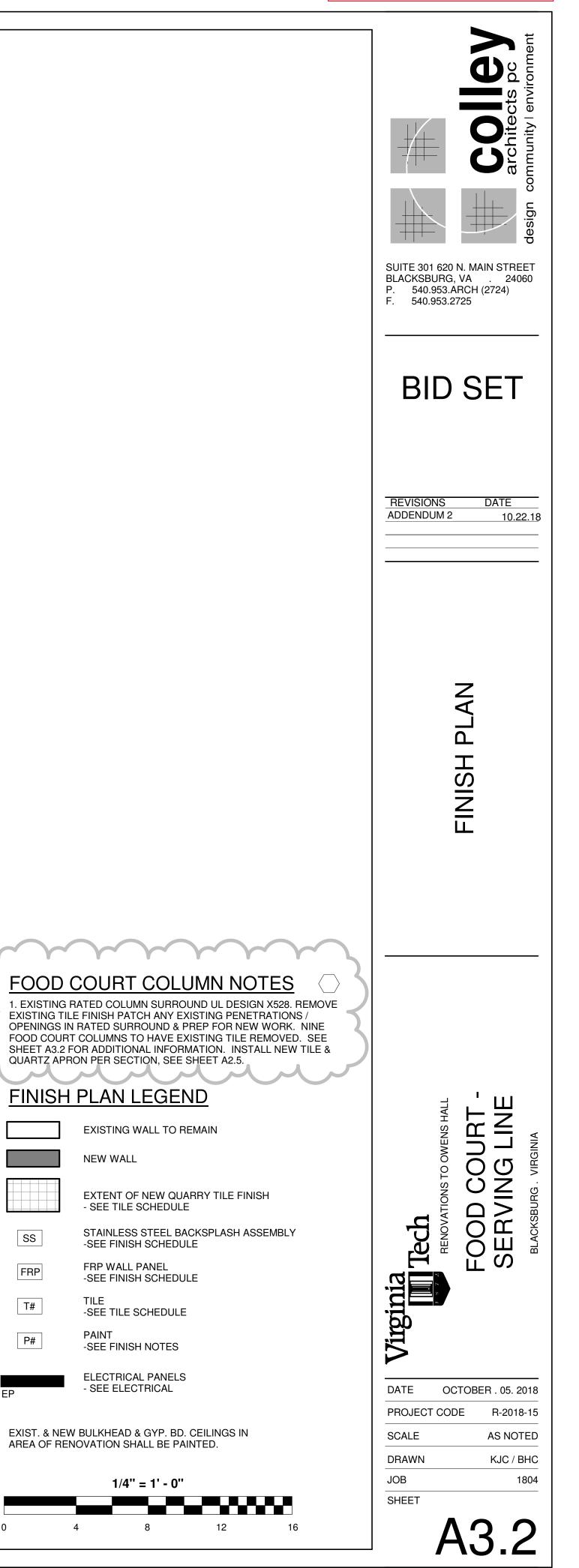
SUITE 301 620 N. MAIN STREET BLACKSBURG, VA . 24060 P. 540.953.ARCH (2724) F. 540.953.2725 BID SET REVISIONS ADDENDUM 2 <u>10.22.18</u> \square Ш Т \bigcirc S FINIS ╓≤ \square O U UΖ $\Box >$ OĽ ÕШ ဟ nia Elizia DATE OCTOBER . 05. 2018 PROJECT CODE R-2018-15 SCALE AS NOTED DRAWN KJC / BHC JOB 1804 SHEET

PENETRATING SEALER/GROUT RELEASE EQUAL TO AQUA MIX "SEALERS CHOICE 15 GOLD" FOR UNGLAZED QUARRY TILE WITH EPOXY GROUT.

4. - CT1 - ALL OUTSIDE TILE TO TILE CORNERS SHALL HAVE SCHLUTER STRIPS INSTALLED. SCHLUTER SYSTEMS, BRUSHED STAINLESS STEEL QUADEC

5. - CT 2 - TO BE SCHLUTER SYSTEMS, BRUSHED STAINLESS STEEL JOLLY. INSTALL PER MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS.



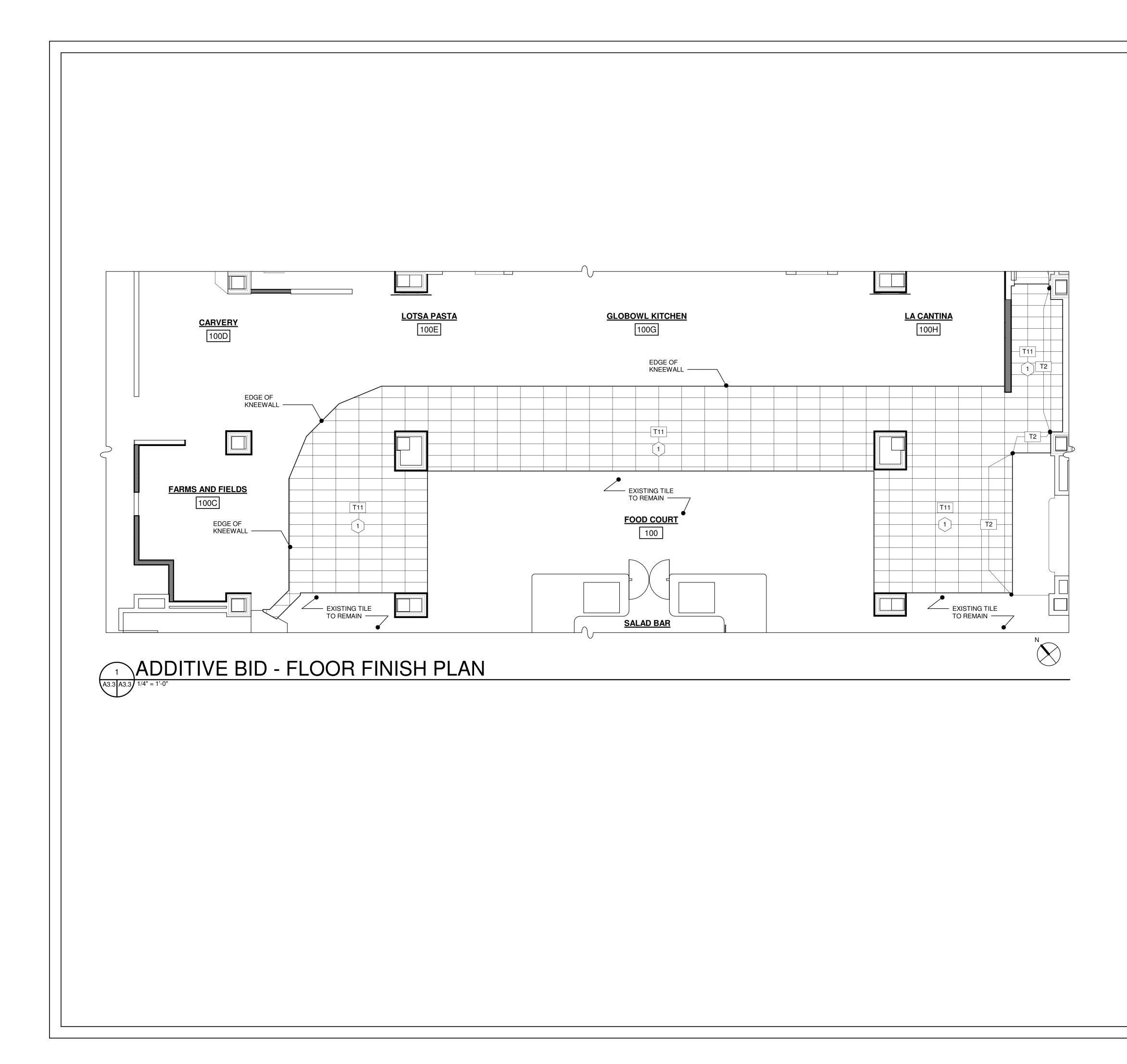


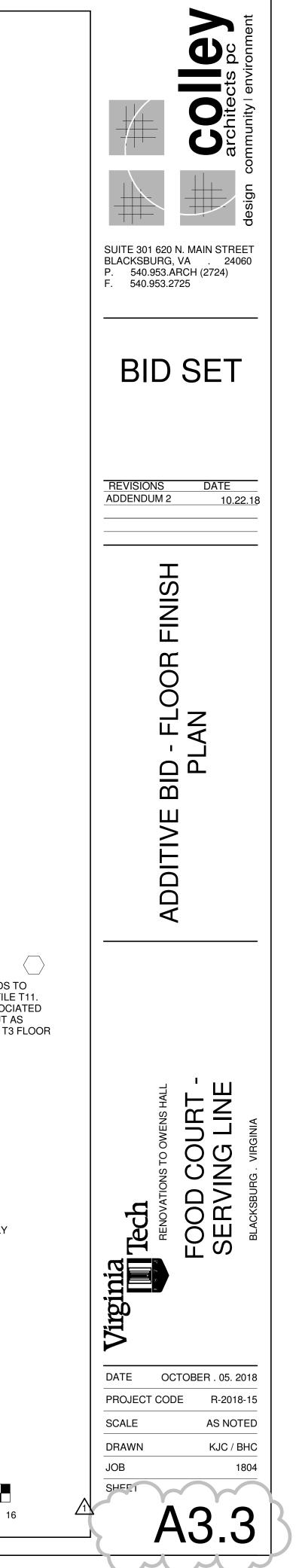
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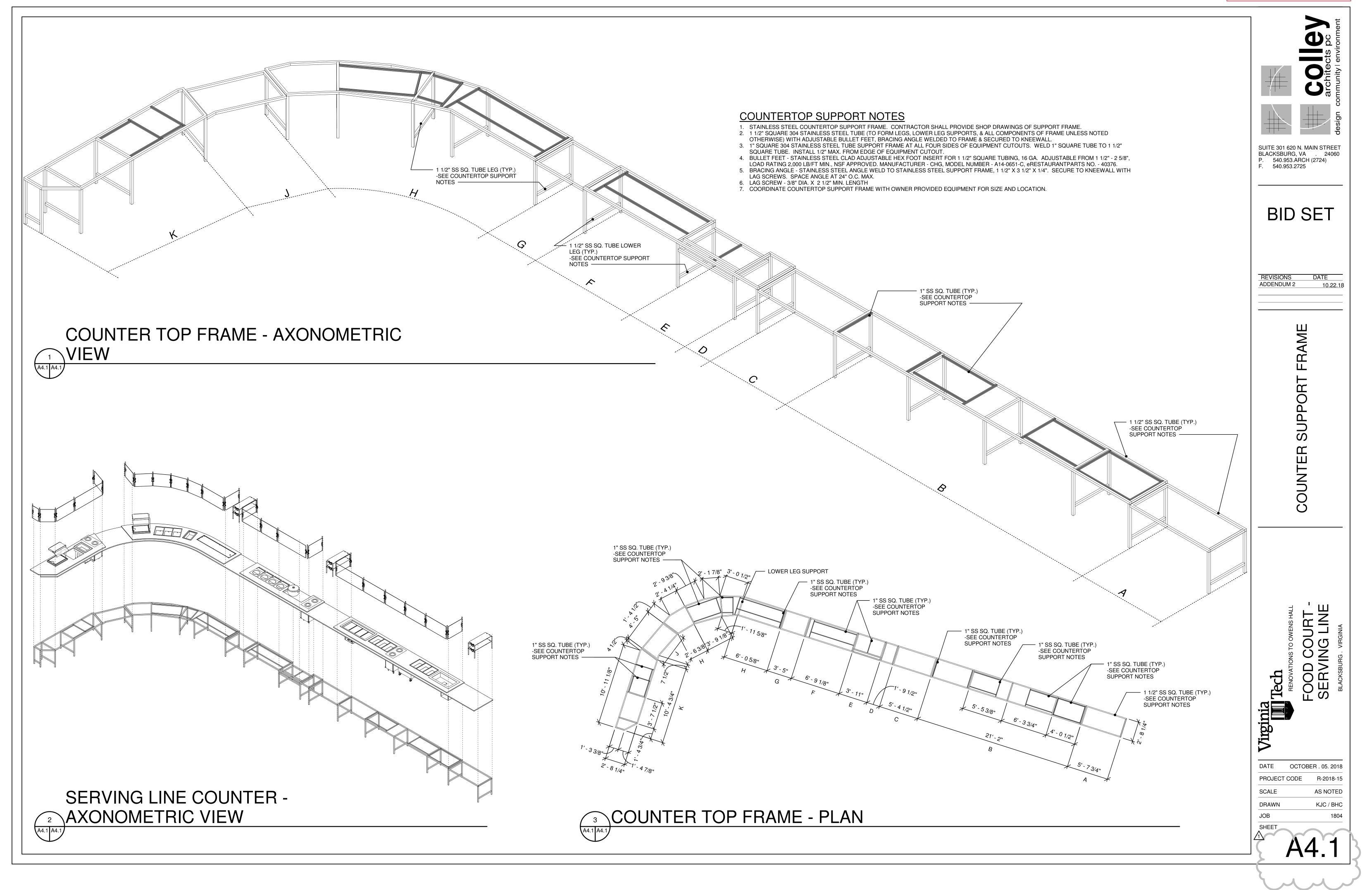
ADDITIVE BID PLAN NOTES

1. DEMO EXIST. FLOORING, BASE TILE, & TILE SETTING BEDS TO EXPOSE EXIST. CONC. SLAB IN AREA INDICATED BY NEW TILE T11. EXPECT TWO LAYERS OF QUARRY TILE. REMOVE ALL ASSOCIATED ADHESIVES. PROVIDE & INSTALL NEW FLOOR TILE & GROUT AS INDICATED. IF ADDITIVE BID IS SELECTED SINGLE ROW OF T3 FLOOR TILE WILL BE REPLACED BY TILE T11. - SEE TILE SCHEDULE & NOTES

FINISH PLAN LEGEND EXISTING WALL TO REMAIN

NEW WALL EXTENT OF NEW QUARRY TILE FINISH
- SEE TILE SCHEDULE SS STAINLESS STEEL BACKSPLASH ASSEMBLY -SEE FINISH SCHEDULE FRP WALL PANEL -SEE FINISH SCHEDULE FRP T# TILE -SEE TILE SCHEDULE PAINT -SEE FINISH NOTES P# ELECTRICAL PANELS
- SEE ELECTRICAL FP EXIST. & NEW BULKHEAD & GYP. BD. CEILINGS IN AREA OF RENOVATION SHALL BE PAINTED.





PLUMBING SYSTEMS NOTES & SPECIFICATIONS

	 <u>CODES, STANDARDS AND REGULATIONS</u>: Materials, Equipment, Installation, Disinfection and Testing shall be in compliance with, but not limited to, the following codes and standards: A. Local Codes or Ordinances. B. Virginia Construction Code (VCC). C. Piping, fittings, pump systems, equipment and fixtures that are connected to potable water system shall meet the 1996 Safe Water Disiniprical Act and the 2011 Bodyntian of Local in Drinking Water Act, and where applicable shall meet NSE Standard 61 and shall be. 		-	white and Provide lo Fixtures: signation HS
2.	Drinking Act and the 2011 Reduction of Lead in Drinking Water Act, and where applicable shall meet NSF Standard 61 and shall be labeled and certified. SHOP DRAWINGS: Furnish six copies of plumbing materials and equipment to Architect for review.			
3.	<u>DESCRIPTION OF WORK:</u> A. The work includes providing a complete plumbing system including, but not necessarily restricted to, the following:	13.	<u>CLE</u> A.	ANOUTS: Same size
	 (1) Sanitary sewer system to a point within building walls. (2) Domestic water system to a point within building walls. 			grease. (in all carp
	 (3) Natural gas piping system. (4) Installation and connections to equipment furnished by Owner. 			(1) Bas (2) Hor
	 (5) Connections to fixtures and equipment provided under other sections of these specifications. (6) Miscellaneous work as described herein, as shown on drawings, and as required for a complete system. 			plug (3) Floo
	PIPE AND EQUIPMENT SUPPORTS, PIPE SLEEVES AND WALL CEILING PLATES : A. Provide in accordance with the Virginia Construction Code.			hea a.
	 B. Pipe Sleeves: 1. Provide sleeves for piping and conduit passing through concrete floor slabs and concrete, masonry, tile, and gypsum wall 			b.
	construction. Sleeves shall not be provided for piping and conduit running embedded in concrete or slab on grade, except that copper piping shall require sleeves through slabs on grade. Sleeves through structural members shall be only as directed by Arabitate In interior well, around a 1/4 inchese on grade. Sleeves through structural members shall be only as directed by	14.	-	OR DRAIN All floor (
	 Architect. In interior wall, provide 1/4 inch space all around between sleeve and conduit, piping, or insulation of piping. Sleeves in mechanical rooms with floor drains or hose bibbs shall extend 4 inches above floor. Provide flanges or flashing rings with sleeves in floors with waterproof membrane and clamp or flash into the membrane. Provide sleeves flush with floor in other 		А. В.	Kitchen F and perfo
	 rooms. Sleeves shall be constructed of 20 gage galvanized sheet steel with lock seam joints for all sleeves set in concrete floor slabs 		C.	Trap Sea (HDPE) I
	terminating flush with the floor. All other sleeves shall be constructed of galvanized steel pipe unless otherwise indicated. SOIL, WASTE AND VENT PIPING:	15.	FLO	third part
	A. Cast Iron Soil Pipe and Fitting: Pipe shall be bell and spigot, modified hub, or plain end (no-hub) as required by selected jointing method. Pipe and fittings shall be listed by NSF International, IAPMO, ICC or other third party organization that is accredited as an			Provide s shall be f
	ANSI-Guide 65 organization as listed on www.ansi.org. (1) Material (Pipe and Fittings): ASTM A888, ASTM A74 or CISPI 301, service weight.		В.	Kitchen:
	 Joints: Provide any one of the following types to suit pipe furnished. a. Mechanical, compression-type (ASTM C564) molded neoprene gasket. Gaskets shall suit class of pipe being jointed. 	16.	<u>INSL</u> A.	<u>JLATION</u> : All dome
	 Dual-service gaskets will not be accepted. b. Mechanical: Mechanical joint coupling (ASTM C564 and ASTM C1277) shall consist of a stainless steel coupling and 			including sections
	neoprene gaskets (ASTM C564) (CSA CAN/CSA-B602). Do not install below grade. (3) Coating: Provide a heavy coat of asphalt or bitumastic paint on pipe buried in earth or installed in cinders or concrete construction.		P	PVC type 50, as te
	 (4) Cast Iron Soil Pipe Markings: All cast iron soil pipe shall be clearly marked with the manufacturer's name, country of origin, eight-digit date code, pipe diameter and length, relevant ASTM standard and registered trademark of the third party certifier. (5) Metarial Tast Daparta. Supplier of aget iron goil pipe shall be able to supply metarial test reports in accordance with the relevant 		В.	Piping in: have a m
	(5) Material Test Reports: Supplier of cast iron soil pipe shall be able to supply material test reports in accordance with the relevant ASTM standard and shall include testing and analysis on radioactivity, dimensional characteristics, tensile strength and advantage on the supplier shall also supply MSDS shoets on all continues.	17.	-	a white k ALLATIOI General:
	 chemical/metallurgical content. Suppliers shall also supply MSDS sheets on all coatings. B. Steel Pipe and Fittings: Vent piping (1) Pipe Galvanized: ASTM A 53, Schedule 40. 		л.	(1) Su the
	 (1) Fibe Galvanzed. AS INFA 55, Schedule 40. (2) FittingsSanitary Vent Piping: Malleable iron, ASME B16.3, or cast iron, ASME B16.4. All to be same kind. (3) Joints: Threads shall conform to ASME B1.20.1. Pipe-joint compound or tape shall be applied on the male threads only. 			(2) Ins
	C. Plastic Pipe: May be used for piping above ground and below ground. Foam core piping is not acceptable. All plastic pipe, fittings and components shall be third party certified to NSF 14. PVC shall not be used in return air plenums.			ou
	 (1) Pipe: PVC Schedule 40 DWV, ASTM D 2665. (2) Fittings: PVC Schedule 40 ASTM D3311 fittings for solvent joints. 			(3) Ins at
	(3) Joints: ASTM F656 purple primer, solvent ASTM D2564 (not purple in color), joints made in accordance with ASTM D2855. INTERIOR DOMESTIC WATER PIPING:			(4) We Mi
	 A. Copper Tube and Fittings: (1) Tube: ASTM B88, Certified Copper Tubing (Not Standard Tube) 			(5) Co (6) No
	a. Above ground floor: Type L, hard drawn.b. Below ground floor: Type K, hard drawn.			AS (7) Me
	 (2) Fittings: Wrought copper, ASME B16.22 or cast copper alloy ASME B16.18. (3) Joints: 			(8) So (9) Pla
	 Above ground floor: ASTM B32 lead free solder, ASTM B813 lead free flux. Lead free shall mean less than 0.2 percent lead. 			(10) Pla (11) Pro
	 b. Below ground floor: Brazed with AWS A5.8 filler metal (lead free). <u>INTERIOR GAS PIPING</u>: Natural Gas A. Pipe: Black steel, ASTM A 53 Grade B or A 106, Schedule 40. 		B.	in I (12) Wł Piping sł
	 A. Pipe: Black steel, ASTM A 53 Grade B or A 106, Schedule 40. B. Nipples: Steel, ASTM A733, Schedule 40. C. Fittings, 2 Inches and Smaller: Malleable iron, ASME B16.3. (Threaded) 		D.	(1) Wa
	 D. Joints: Threaded ends (ASME B1.20.1). Pipe-joint compound or tape applied to male threads only (Lochinvar use NO Teflon tape); welded. Do not use gas fitters cement, except on outlet caps. 			a.
	 E. Gas piping installed in concealed locations shall not have unions, tubing fittings or running threads. VALVES: (DOMESTIC WATER) 			
	A. Gate valves (Rising Stem): Valves 2 1/2 inch and smaller shall be Class 125 rising stem, union bonnet, solid wedge and manufactured in accordance with MSS-SP 80. Body, bonnet and wedge shall be of bronze ASTM B-62. Stems shall be of dezincification-resistant silicon			b. c.
	bronze ASTM B-371 or low-zinc alloy B-99, non-asbestos packing and malleable or ductile iron handwheel. Where higher operating pressures approach 150 psi, Class 150 union bonnet valves of like construction shall be used. Valve ends shall be threaded or			d.
	solder-type. [Class 125 NIBCO T124 (threaded); Class 150 NIBCO T134 (threaded), S134 (solder)] B. Ball valves: Valves 2 1/2 inch and smaller shall be rated 150 psi SWP and 600 psi non-shock WOG and shall have 2 piece cast bronze			(2) Do
	bodies, TFE seats, full port, separate packnut with adjustable stem packing, anti-blowout stems and chrome-plated brass/bronze ball. Valve ends shall have full depth ANSI threads or extended solder connections and be manufactured to comply with MSS-SP110.			a.
	[NIBCO T585-70 (threaded); S585-70 (solder)] Note: Where piping is insulated, ball valves shall be equipped with 2" extended handles of non-thermal conductive material. Also,			b.
	provide a protective sleeve that allows operation of the valve without breaking the vapor seal or disturbing the insulation. Memory stops, which are fully adjustable after insulation is applied, shall be included. [NIBCO T585/70NS (threaded); S585-0NS (solder)]			(3) Ga a.
	C. Globe valves: Valves 2-1/2 inch and smaller shall be Class 125 and manufactured in accordance with MSS-SP80, body and bonnet shall to be of bronze ASTM B-62. Stems shall be of dezincification-resistant silicon bronze ASTM B-371 or low-zinc alloy B-99,			b.
	non-asbestos packing, TFE seat disc and malleable or ductile iron handwheel. Where higher operating pressures approach 150 psi, Class 150 union bonnet valves of the like construction shall be used. Valve ends shall be threaded or solder-type. [Class 125 NIBCO		C.	c. Bonding edition o
	 globe T211-Y (threaded); S211-Y (solder); Class 150 NIBCO globe T235-Y (threaded); S235-Y (solder)] D. Check valves: Valves 2 inch and smaller shall be type inline lift, Class 125, threaded or solder ends; ASTM A582 stainless steel stem, 316 stainless steel spring, and ASTM A276 stainless steel seat screws; TFE disc and seat ring; bodies and end conforming to ASTM 	18.	-	TECTION Plumbing
	 B-584 bronze, spring actuated type disc. (Nibco T-480, S-480) E. Hose bibbs and hose-end drain valves: (Equipment rooms and similar spaces). Watts LFSC-5 1/2 inch, Matco-Norca 646 RLF or equal 		73.	the pipe this requ
	 F. Shock absorbers: Josam "Absorbotron" 75000 Series, Smith 5000 Series "Hydrotrols", Zurn Z1700 "Shoktrols", Wade "Shokstop", or 			equipme a drain p
	equal, lead-free, stainless steel. SA-A Max. 11 SFU. Provide on both hot and cold water branches. Job fabricated air chambers will not be permitted. O-ring type shock absorbers will not be accepted. (ASME/ANSI A112.26.1 OR ASSE 1010)	19.	TES	exterior
	 G. Tempering ValveIndividual Fixture (Watts or Equal): Provide Watts Model Series LFUSG-B-M2 under-sink Guardian ASSE 1070 thermostatic tempering valve for single lavatory and hand sink. Provide at all lavatory and hand sink locations including kitchen hand 		A.	General: Authority
	sinks applications. Set valve for minimum 105 Deg. F., maximum 109 Deg. F. H. Balancing valves shall be circuit setters as manufactured by (Bell and Gossett) (Watts) or equal, and shall be a balancing valve of all			readines fittings.
	bronze construction. Valve shall have pressure taps with built-in check valves to determine pressure drop across valve. The pressure drop across valve and the setting of the valve shall determine the actual system flow rate requirement. Valve shall be furnished with adjustable			acceptal testing c
	memory stop and preformed polyurethane insulation suitable for use on domestic hot water and cold water systems. Unit to be suitable for 125 psi working pressure at 250 Deg. F. operating temperature.		В.	Soil, Wa
	<u>VALVES</u> : Natural Gas A. General: Each item shall have threaded or flanged, connections as applicable to match joints specified for its respective service.		C.	Water Te overflow
	 B. Gas Valves (1) 4 Inches and Smaller: Bronze two piece ball valve, chrome plated ball, AGA & Underwriters Laboratories listed. 			water an that each
	(2) Automatic Valve: Provided by kitchen equipment supplier, installed by Contractor. Location as indicated on drawings for use with fire suppression systems.		D.	before in Potable
	BACKFLOW PREVENTERS: A. Provide backflow prevention devices at all locations shown or specified. Device shall be same size as line in which installed. Listed			applied a percent l
	 below is a list of connection to the potable water system that shall be protected against backflow or back siphonage: (1) Hose Vacuum Breaker Type (ASSE 1011; CSA CAN/CSA-B64.2): Watts No. LF8A, LF8AC (chrome finished) or equal, lead free, with non-computed feature. Hose bibbs and sinks with threaded outlets. 		E.	Gas Syst
	 with non-removable feature. Hose bibbs and sinks with threaded outlets (2) Intermediate atmospheric vent continuous pressure type (ASSE 1024; CSA CAN/CSA-B64.6): Watts No. LF7R lead-free or equal. 		F.	Optional before sp
	a. Kitchen Equipment Auto-Fill <u>STRAINERS:</u> <u>A Install on inlet of reduced pressure zone, backflow preventer, double check backflow preventers, suction side of numps and where</u>	20.	_	Architect NFECTIOI
	A. Install on inlet of reduced pressure zone, backflow preventer, double check backflow preventers, suction side of pumps and where shown on drawings. Strainer element shall be removable without disconnection piping. Suitable for 125 psi working pressure. Provide with bronze or stainless steel screen with valved and capped blow-off outlet.	21.	CLE	cordance ANING: Remove
	with bronze or stainless steel screen with valved and capped blow-off outlet. (1) Water: 2-1/2 inch and smaller, 20 mesh screen.		А. В.	Remove The Con
				the syste
	(2) Body: 3 inch or smaller, brass or bronze. <u>PLUMBING FIXTURES:</u>	00	סביי	to remov
	(2) Body: 3 inch or smaller, brass or bronze.	22.	-	to remov <u>ORTS</u> : Re edures, tes

in all carpeted areas. (1) Base of vertical stacks: Josam 58600-COT with stainless steel wall cover. Located 24 inches above floor. (2) Horizontal pipes above grade: Cleanouts shall be ferrule with bronze screw plug in fitting or tapped cast iron ferrule with bronze (3) Floors: Floor cleanouts shall have cast iron body, bronze plug, and ABS or cast iron frame with round or square adjustable heavy-duty scoriated secured nickel bronze top. a. Mechanical rooms and heavy traffic floors: Josam Series 55000-X-2-SD cast iron floor cleanout with secured heavy-duty round or square bronze tractor cover. b. Light traffic floors: Josam Series 55000 cast iron floor cleanout with secured round or square covers of satin bronze for finished concrete floors and satin finish nikaloy elsewhere. All floor drains shall be furnished with 4-inch deep seal P-trap. All floor drains shall conform to ASME A112.6.3 or CSA B79. Kitchen Rooms: Josam 30000-E Series coated cast iron floor drain, adjustable satin Nikaloy secured round or square tractor strainer, and perforated stainless steel basket. Trap Sealer: Sure Seal Model SS pre-assembled inline floor drain trap sealer. Sealer shall be constructed of high density polyethylene (HDPE) housing and keeper pin, heavy duty silicone diaphragm and soft EPDM sealing gaskets. Rated for floor ASSE-1072 AF-GW third party testing and listed by IAPMO. Provide in all floor drains. OR SINKS: Provide suitable clamping device and extensions if required, where installed in connection with waterproofing membrane. All floor sinks shall be furnished complete with 4-inch deep seal P-trap. (ASME A112.6.7) Kitchen: Josam Series 49360 with cast iron body, acid-resisting interior, internal dome strainer and non-traffic cast iron acid-resisting, anti-tilting grate. See drawings for additional grate requirements. JLATION All domestic water piping, all horizontal sanitary piping above Kitchen or Dining Areas and all horizontal storm piping above lowest floor including roof drains from underside of deck to just below fitting at top of vertical portion of stack and fittings at top and bottom of vertical sections of horizontal offsets shall be insulated. Insulation shall be Johns Manville, Owens Corning, or Armstrong. All materials and PVC type fitting covers used shall have composite flame spread rating not exceeding 25 and a smoke developed rating not exceeding 50, as tested under procedure ASTM E_84, NFPA 90A and 90B. Piping insulation: Fiberglass insulation shall be 1 inch thick (1.5 inch thick for soil and storm water piping 8 inch and larger) and shall have a minimum thermal resistance (R) of 4.0 per inch of thickness at a mean temperature of 75 deg. F. Fiberglass insulation shall have a white kraft bonded to aluminum foil, reinforced with fiberglass yarn jacket, lap joints, tape and seal. TALLATION: General (1) Suspended horizontal piping shall be supported by adjustable wrought steel clevis hangers. Where supports bear on copper pipe, they shall be copper plated. Where supports bear on insulated piping, provide insulation shield. Chain, strap, wire or other makeshift devices will not be permitted as hangers or supports. (2) Install branch piping for water, waste and gas, from the respective piping systems and connect to all fixtures, valves, cocks, outlets, casework, cabinets and equipment, including those furnished by the Owner or specified in other sections of these specifications. (3) Install trim and fittings provided with casework, cabinets and laboratories, including those furnished by the Owner, but not installed at point of fabrication. (4) Welded joints shall be fusion welded by qualified welders in accordance with ANSI B31.1 Section 6, unless otherwise required. Mitering or notching pipe to form elbows and tees, and drilling or punching to make connections will not be permitted. (5) Compression gasket joints for cast iron sewer pipe shall be made with neoprene compression gaskets conforming to ASTM C564. (6) No-hub joints for cast iron pipes shall be made with neoprene gaskets (ASTM C564) and stainless steel clamps conforming to ASTM C564 and ASTM C1277. (7) Mechanical joints elastomeric sealing sleeve for cast iron pipe shall be in accordance with ASTM C564. (8) Solvent cement for PVC piping shall be handled in accordance with ASTM F402. (9) Plastic pipe shall not be located in return air ceiling plenums. (10) Plastic pipe shall not penetrate a fire assembly or smokestop. (11) Provide chrome plated escutcheons at all locations where piping penetrates floors, walls and ceilings in exposed locations, except in Mechanical Rooms. (12) Where supports bear on insulated piping, provide insulation shields. Piping shall conform to the following: (1) Waste Conductors: Slope soil and waste piping as follows Pipe Size Minimum Pitch Soil, waste and vent 2-1/2 inch & smaller 1/4" to the foot 1/8" to the foot 3 inch & larger b. Changes in direction of piping shall be made with fittings. Contractor is cautioned to verify invert of sanitary sewer and to coordinate inverts of new work to suit conditions encountered. Sanitary sewer shall be provided complete with all plumbing fixtures, drains, etc., properly connected and vented in d. accordance with the applicable codes. All vents through the roof shall extend twelve inches above the roof. (2) Domestic Water: a. Grade all lines to facilitate drainage. Provide hosed-end drain valves at locations indicated on the drawings. All

unnecessary traps in circulating lines shall be avoided. Connect branch lines at bottom of main serving fixtures below and pitch down so that main may be drained through fixture. b. Connect branch lines to top of main serving only fixtures located on floor above. (3) Gas: Install gas piping with plugged drip pockets at low points and ahead of the connection to each piece of equipment. Entire а.

gas piping installation shall be in accordance with requirements of Virginia Construction Code. Minimum slope shall be 1/4 inch per fifteen feet in direction opposite flow. b. Shut-off cock shall be provided at each burner, if not provided with the respective equipment. Bonding of Gas Piping: All metal gas piping attached to the building shall be bonded in accordance with the requirements of the current edition of NFPA 70, Article 250.104(B) and Section 26 05 26 of the Electrical Specifications. DTECTION OF ELECTRICAL EQUIPMENT:

Plumbing and sprinkler piping shall NOT be installed directly over electrical panelboards, switchboards or motor control centers, unless the pipe is a minimum of 6 feet above the electrical equipment or above a structural ceiling (concrete cap or similar). If compliance with this requirement is not possible, notify the engineer immediately. If the piping is directly above and at least 6 feet above the electrical equipment, provide a galvanized steel drain pan installed directly under the piping. Drain pan shall have minimum 2 inch high sides with a drain pipe connection at the lowest point and shall be full width of the electrical equipment being protected. Extend drain pipe to exterior or to nearest floor drain.

General: Contractor shall provide all instruments, materials, and labor required. Tests shall be made in the presence of the Owner or Authority having jurisdiction, or as otherwise directed by the Architect who shall be given five (5) days notice by this Contractor of his readiness to perform such tests. Any leaks that develop during the tests shall be repaired by remaking the joint or replacing pipe and fittings. Temporary caulking will not be permitted. No piping shall be insulated or concealed until it has been tested, with results acceptable to the Architect. Air testing will be acceptable where permitted by the Virginia Construction Code. Do NOT perform air testing on systems where plastic piping, including CPVC and PEX piping, are installed. Test systems either in its entirety or in sections.

Soil, Waste and Vent Systems: Conduct tests before trenches are backfilled or fixtures are connected. Conduct water test as directed in accordance with the Virginia Construction Code and this specification. Water Test: If entire system is tested, tightly close all openings in pipes except highest opening and fill system with water to point of overflow. If system is tested in sections, tightly plug each opening except highest opening of section under test, fill each section with water and test with at least 10-foot head of water. In testing successive sections, test at least upper 10 feet of next preceding section so that each joint or pipe except uppermost 10-foot head of water. Keep water in system, or in portion under test, for at least 15 minutes before inspection starts. System shall then be tight at all joints.

Potable Water System: Test after installation of piping and domestic water heaters, but before piping is concealed, before covering is

applied and before plumbing fixtures are connected. Fill systems with water and maintain hydrostatic pressure of 125 psig or at 50 percent higher than actual operating pressure which ever is greater for one hour during inspection and prove tight without any loss of Gas System: Gas piping shall be tested and inspected in accordance with Virginia Construction Code. Optional tests for connections to existing systems: After installation of piping and connecting to existing systems, and where herein

before specified tests are impractical, test all new piping under actual operating conditions and prove tight to the satisfaction of the NFECTION: After tests have been successively completed, thoroughly flush and disinfect the interior domestic water distribution system

ccordance with the Virginia Construction Code. Remove trash, plaster, dust, paint spots and all foreign matter from inside and outside of all fixtures and equipment.

The Contractor shall check each length of pipe before it is put in place to make certain there is not foreign material (stones, sand, etc.) in the systems. Provide temporary bypass around equipment if or as required. All plumbing pipes shall be thoroughly flushed with water to remove construction debris before final connections are made to equipment and fixtures.

PORTS: Report of cleaning, sterilizing and testing: Contractor shall verify in writing before completion of the job that all specified cleaning edures, tests and sterilizing have been performed, with results as specified or as required by codes.

white and fasteners shall remain out of sight. Provide lock-shield, loose-key or screw driver pattern polished chromium plated angle stops, with each sink faucet plumbing fixture.

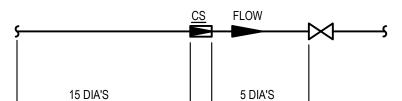
Standard Fixture Type

Hand Sink: Eagle Model HSA-10-FA-P foot operated pedestal 304 stainless steel sink, all welded construction, 14-3/4 inch x 13-1/2 inch with backsplash mount gooseneck faucet, 1-1/2 basket drain and 1-1/2" outlet. Faucet operated by foot valve. Provide tailpiece and p-trap options through Eagle Group. Provide special order side splashes. Mount fixture to wall per manufacturer's instructions.

Same size as pipe served up to 4 inches. Cleanouts shall be easily accessible grease. (ASTM A74, ASME A112.3.1, ASME A112.36.2M) Covers shall be set flush with finished floor or wall. Provide carpet markers

FIXTURE CONNECTION SCHEDULE

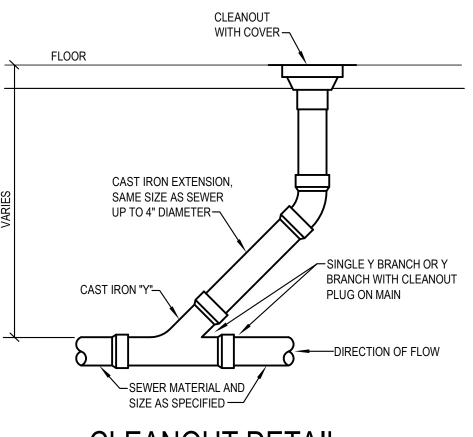
MARK	FIXTURE	WASTE	VENT	COLD	НОТ	REMARKS
HS	HAND SINK (SINGLE COMPARTMENT)	1 1/2"	1 1/2"	1/2"	1/2"	PEDESTAL WITH FOOT PEDAL, WALL ATTACHED, EAGLE MODEL P1916-LRS



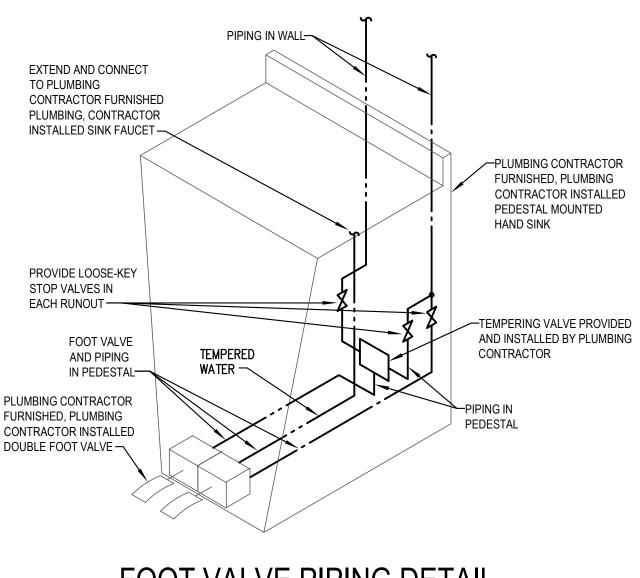
THERE SHALL BE UNINTERRUPTED STRAIGHT PIPE 5 DIAMETERS OF PIPE DOWNSTREAM AND 15 DIAMETERS OF PIPE UPSTREAM FROM EACH CIRCUIT SETTER. BALANCE VALVE SHALL BE ADJUSTED TO PROVIDE GPM INDICATED AT EACH CIRCUIT SETTER.

THE ENTIRE CIRCUIT SETTER SHALL BE INSULATED WITH REMOVABLE SECTIONS OF PIPE INSULATION SIZED TO OVERLAP THE CONNECTED PIPE INSULATION. INSULATION SHALL OVERLAP 3 INCHES.

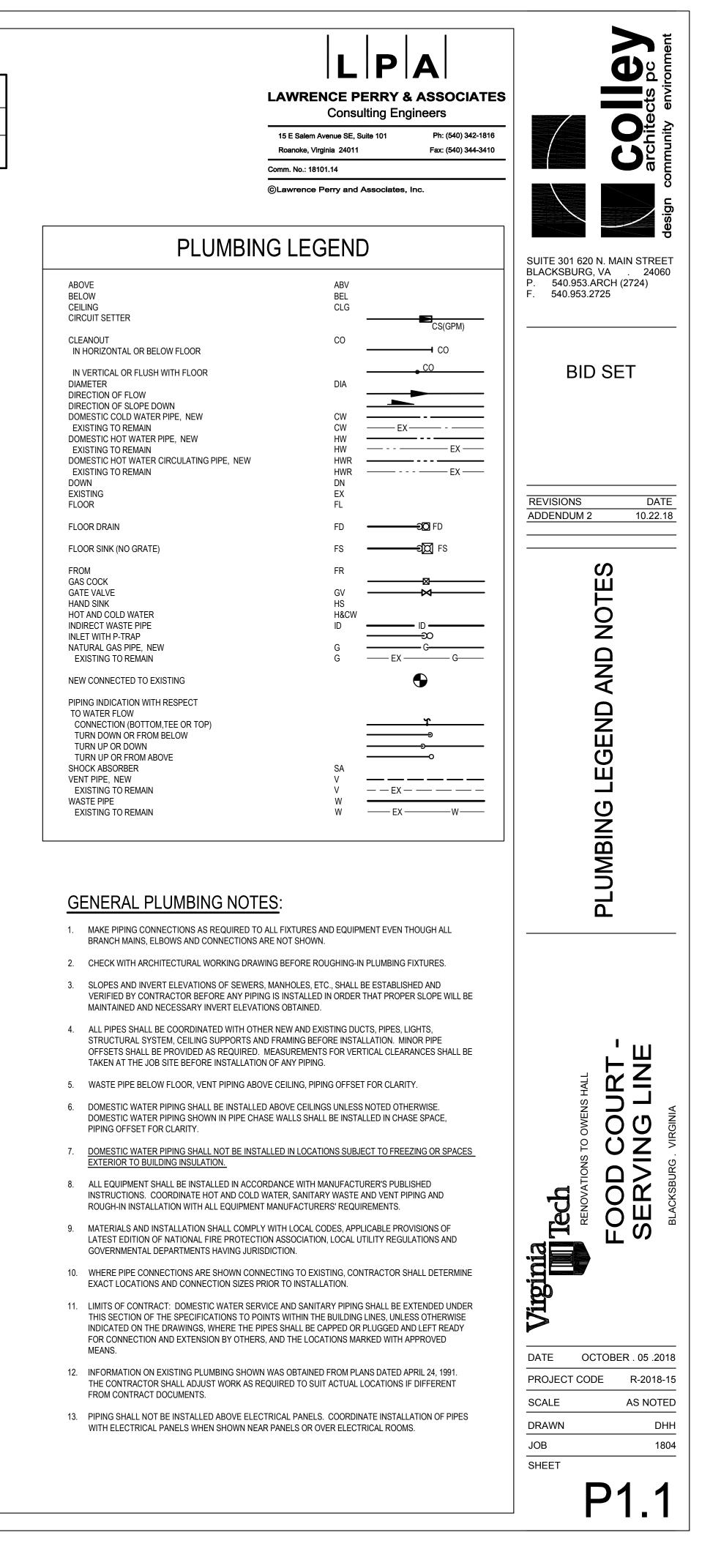
CIRCUIT SETTER DETAIL SCHEMATI

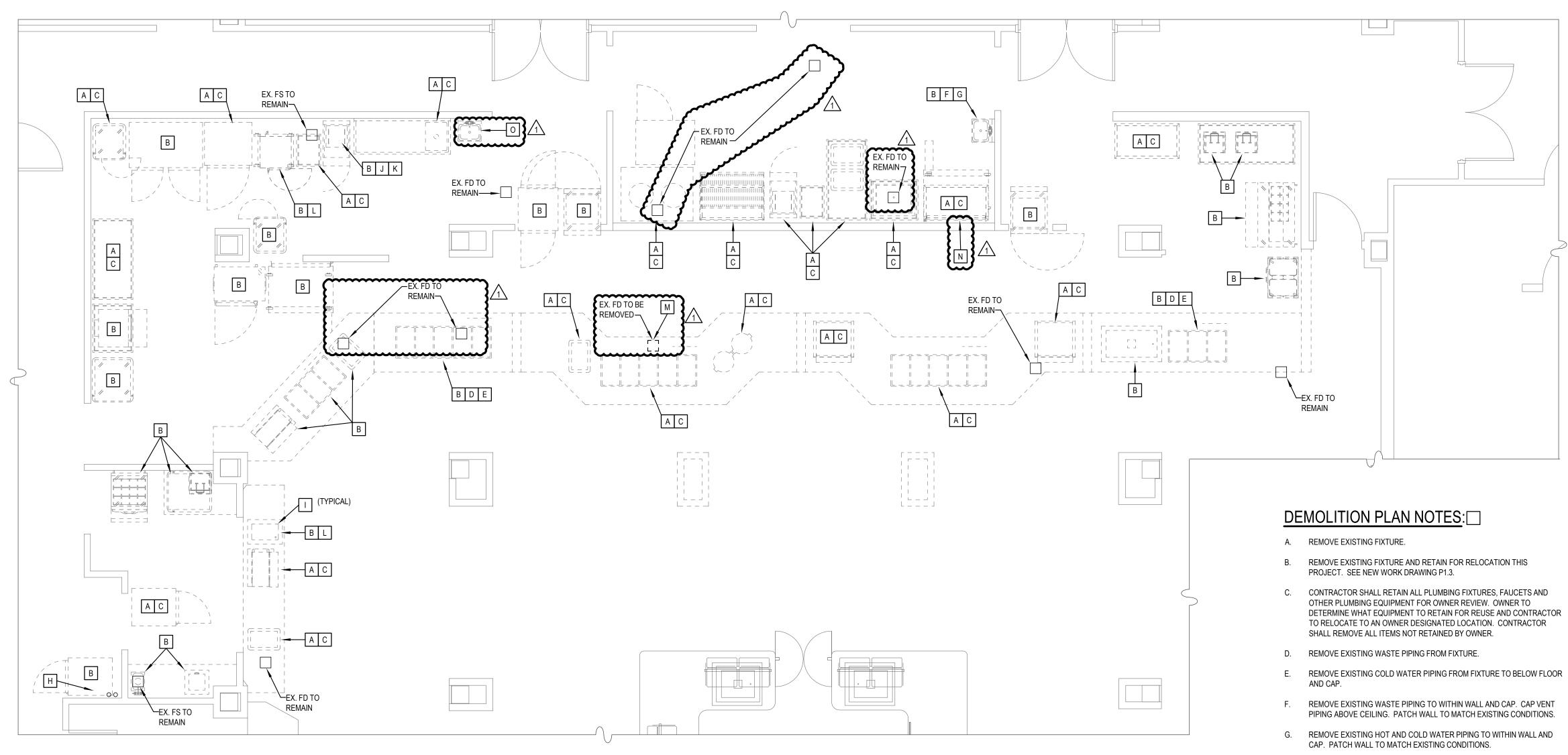






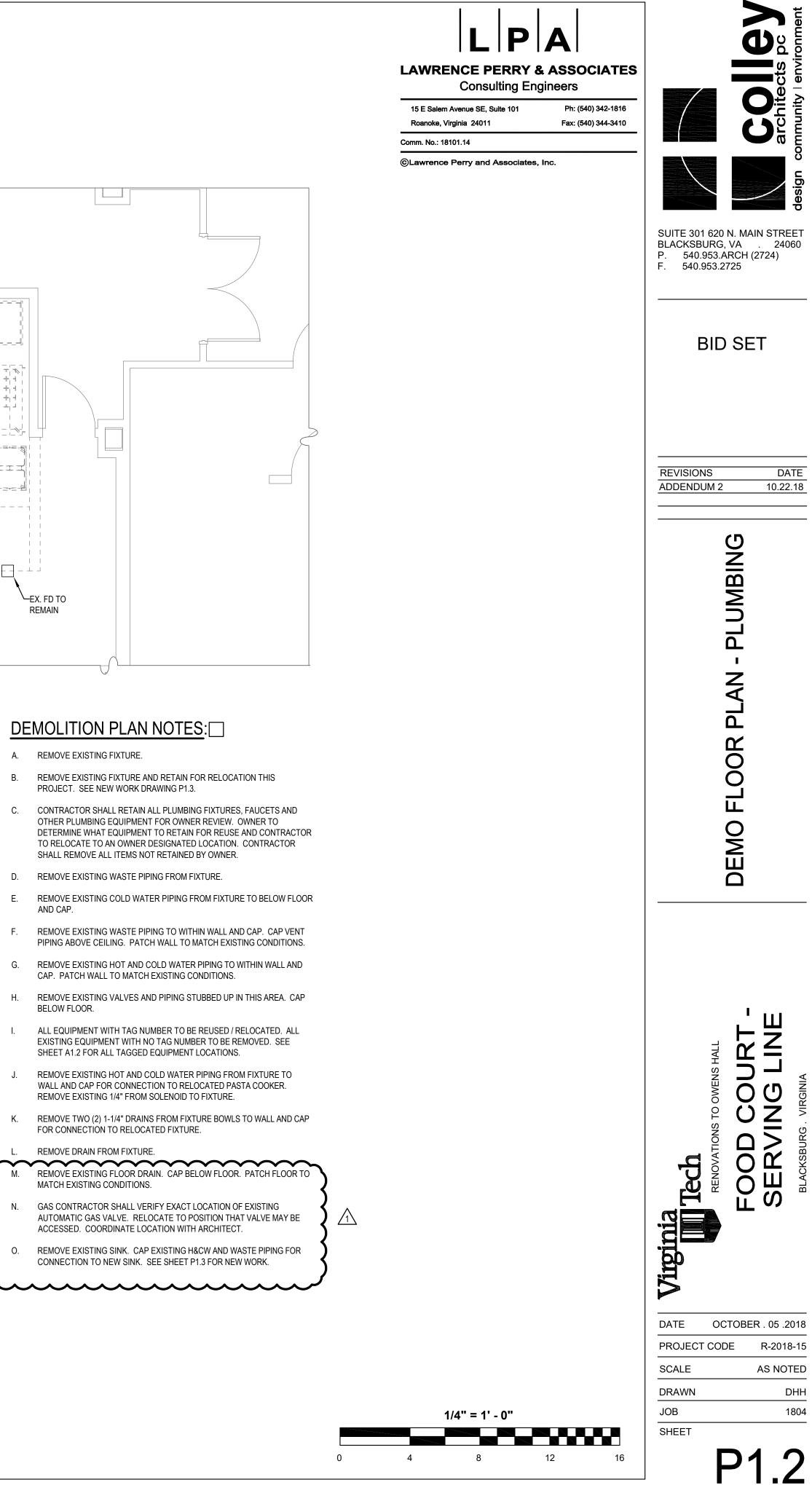
FOOT VALVE PIPING DETAIL





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

DEMOLITION FLOOR PLAN - PLUMBING



H. REMOVE EXISTING VALVES AND PIPING STUBBED UP IN THIS AREA. CAP

I. ALL EQUIPMENT WITH TAG NUMBER TO BE REUSED / RELOCATED. ALL EXISTING EQUIPMENT WITH NO TAG NUMBER TO BE REMOVED. SEE SHEET A1.2 FOR ALL TAGGED EQUIPMENT LOCATIONS.

REMOVE EXISTING HOT AND COLD WATER PIPING FROM FIXTURE TO WALL AND CAP FOR CONNECTION TO RELOCATED PASTA COOKER. REMOVE EXISTING 1/4" FROM SOLENOID TO FIXTURE.

K. REMOVE TWO (2) 1-1/4" DRAINS FROM FIXTURE BOWLS TO WALL AND CAP FOR CONNECTION TO RELOCATED FIXTURE.

L. REMOVE DRAIN FROM FIXTURE.

BELOW FLOOR.

J.

REMOVE EXISTING FLOOR DRAIN. CAP BELOW FLOOR. PATCH FLOOR TO MATCH EXISTING CONDITIONS.

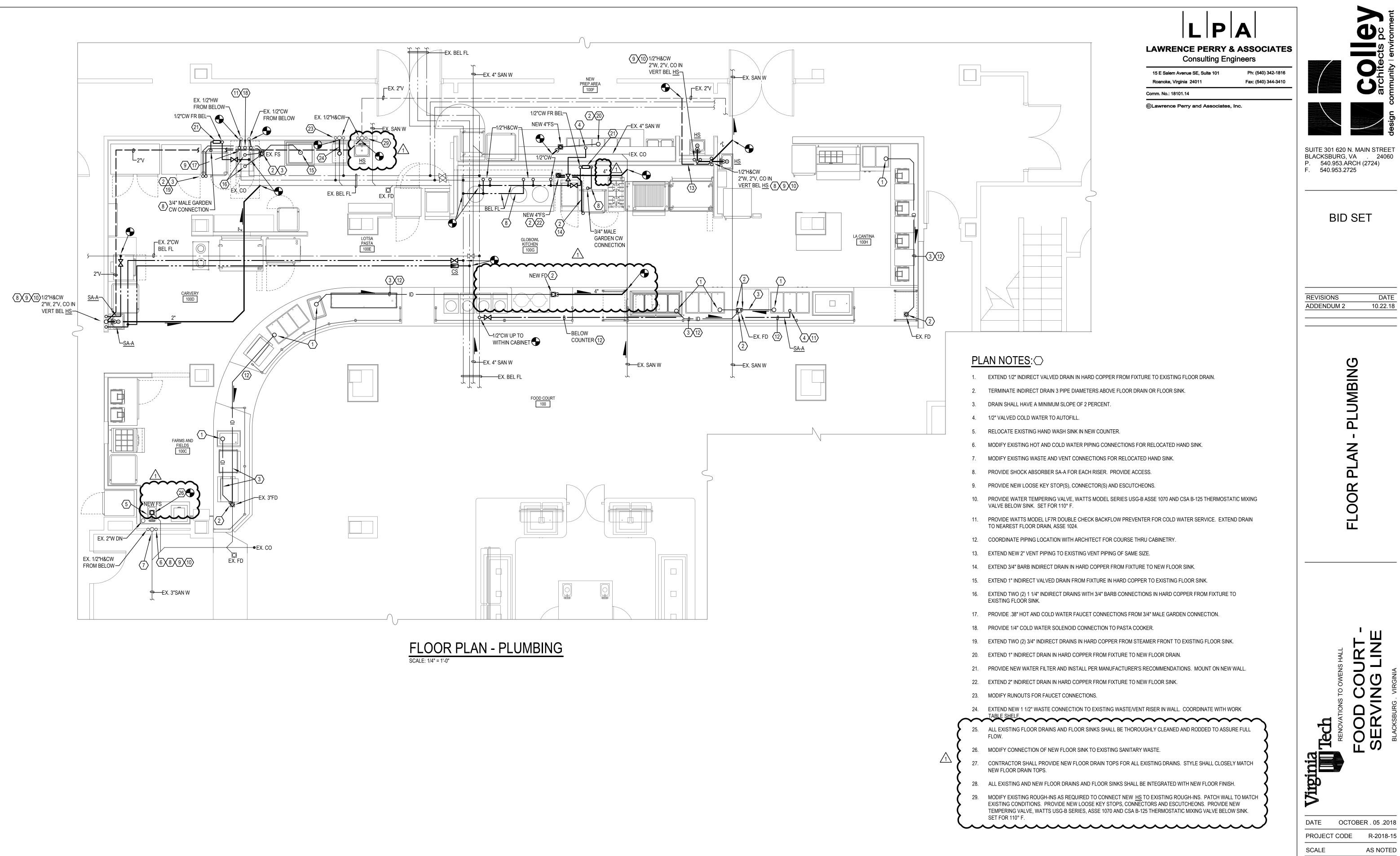
N. GAS CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING AUTOMATIC GAS VALVE. RELOCATE TO POSITION THAT VALVE MAY BE ACCESSED. COORDINATE LOCATION WITH ARCHITECT.

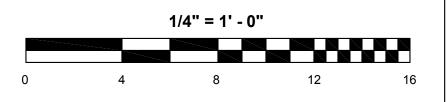
0. REMOVE EXISTING SINK. CAP EXISTING H&CW AND WASTE PIPING FOR CONNECTION TO NEW SINK. SEE SHEET P1.3 FOR NEW WORK.

> 4 8 0

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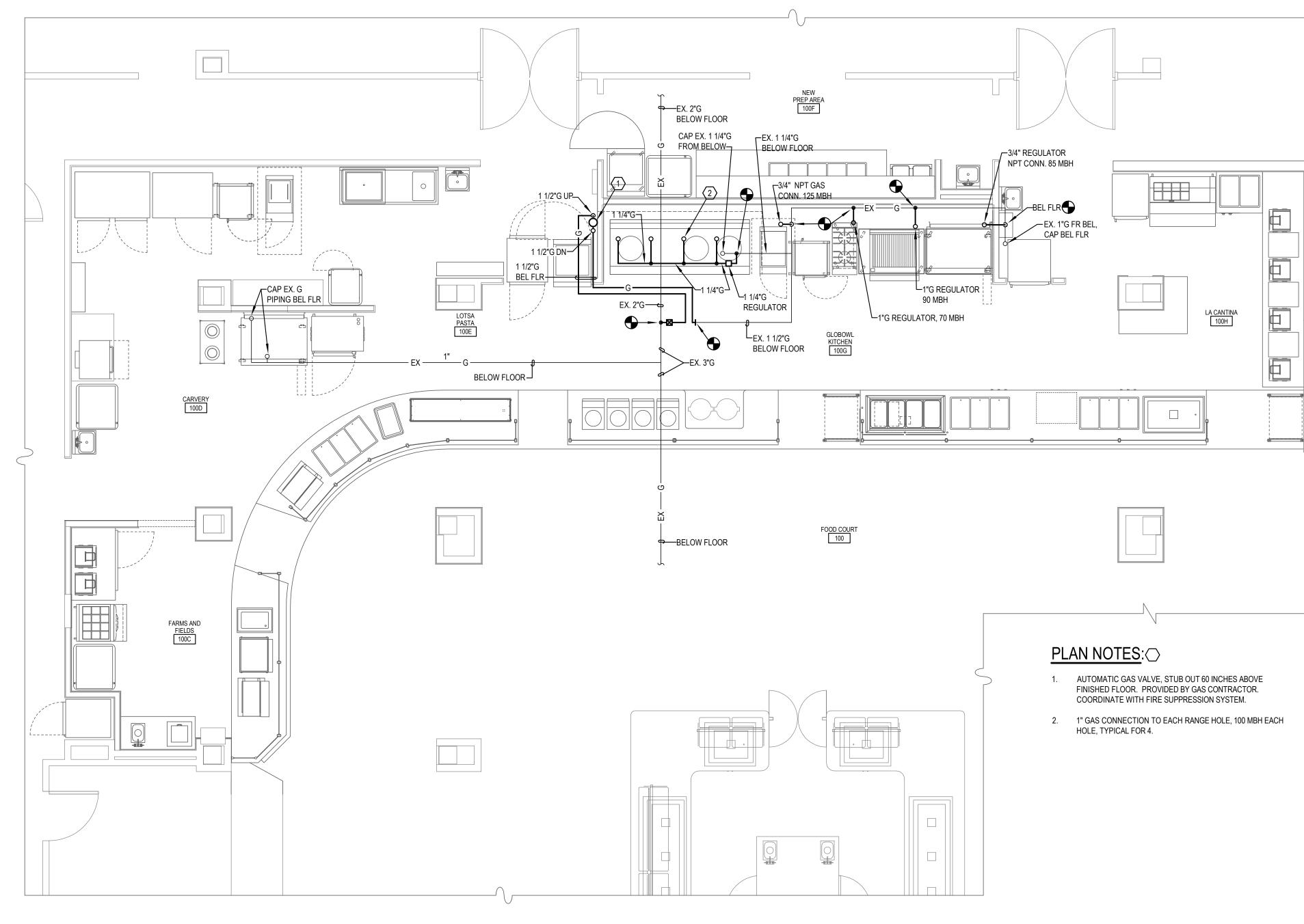
DHH

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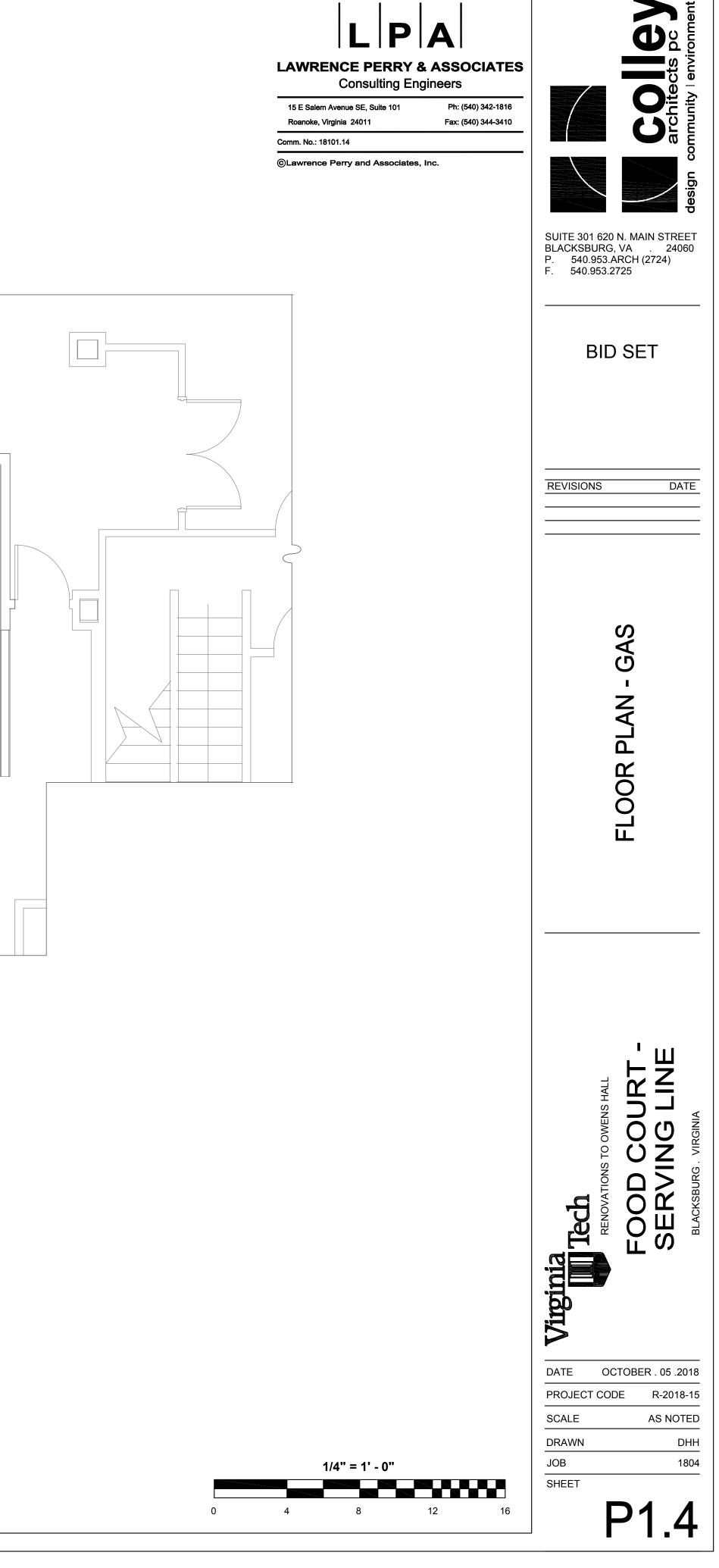
DRAWN

SHEET

JOB



FLOOR PLAN - GAS



SPECIFICATIONS FOR HVAC WORK:

- SCOPE OF THE WORK: Work shall include removal and replacement of existing air distribution devices and associated work required and as indicated on the plans. Provide supervision, labor, material, equipment, machinery, plant and items necessary for complete systems tested and ready for operation.
- <u>REGULATIONS</u>: Materials and installation shall comply with local codes, applicable provisions of latest edition of National Fire Protection Association, local utility regulations and governmental departments having jurisdiction.
- DRAWINGS: These drawings are diagrammatic and indicate general arrangement of systems and work included. Where variances occur include the items of better quality, greater quantity or higher cost.
- COORDINATION OF WORK: The Contractor shall be responsible for the coordination and proper relation of his work to the building structure and to the work of other trades. Contractor shall provide dimensions and locations of all openings, shafts and similar items to the proper trades and shall install work as required so as not to delay the building construction. The Contractor is responsible for damage caused by his work or workmen. Repairing of damaged work shall be done by the Contractor at no additional cost.
- VISITING THE SITE: Each Contractor shall be responsible for visiting the site before pricing the job to familiarize himself with all existing conditions to be met in the execution of the work under this contract. No additional compensation will be allowed relating to site conditions.
- INTERRUPTION OF SERVICES: Interruptions of service to existing systems shall be coordinated with the Owner as to time and duration. The Contractor shall be responsible for any interruptions to service and shall repair any damages to existing systems caused by his operations.
- WORK IN OCCUPIED AREAS: Work in occupied areas shall be coordinated with the Occupant and Owner as to time and duration. The Contractor shall protect the occupied area and shall be responsible for cleaning and repairing any damages caused by his work. Safety of building occupants shall be assured at all times. Tools, material, dirt and debris shall be removed from occupied areas whenever work areas are left unattended.
- ACCESSIBILITY: Locate equipment which must be serviced or maintained in fully accessible positions where possible. Otherwise, furnish access panels of sufficient size and located so that the concealed equipment can be serviced.
- FOUNDATION PADS AND ROUGH-IN: Provide 4-inch high concrete foundation pads for floor-mounted equipment. Rough-in openings shall align vertically and horizontally with building structure. Wall-mounted thermostats shall be mounted 5'-4" above finished floor to bottom of thermostat.
- 10. SLEEVES: Locate sleeves during normal course of work. Provide sleeves for piping passing through concrete floor slabs and concrete, masonry, tile and gypsum wall construction. Sleeves shall not be required for piping embedded in concrete or slab on grade, except that copper piping shall require sleeves through slabs on grade. Sleeves placed in exterior walls below grade shall be watertight. Where sleeves are located through fire-rated walls or floors, the sleeve assemblies shall maintain the fire rating of the wall or floor. Sleeves shall be constructed of 20 gauge galvanized steel with lock seam joints for all sleeves set in concrete floor slabs. All other sleeves shall be constructed of galvanized steel pipe.
- <u>CUTTING AND PATCHING</u>: The Contractor shall provide all cutting and patching necessary to install his work. Patching shall match adjacent surfaces. No structural members shall be cut without the approval of the Architect.
- CLEANING: Equipment and piping shall be cleaned to remove foreign materials. Provide temporary filters for air units that are 12 operated during construction. Plug or cap openings in equipment, ductwork, piping and materials until connection is made to the system. Remove from the premises all unused material and debris resulting from the performance of HVAC work.
- 13. WIRING: Starters that are specified to be furnished as an integral part of the mechanical equipment shall be complete with properly sized overload heaters. Temperature control wiring, equipment control wiring and control interlock wiring for mechanical equipment shall be furnished by the Mechanical Contractor. Control wiring shall not include any wiring which carries motor current. All wiring shall be in metal conduit and shall comply with the Electrical specifications.
- START-UP: Packaged air conditioners and the chiller shall include factory Start-Up and verification by a trained and certified Factory Representative of the equipment manufacturer. Start-Up and verification reports shall be included with bound sets of Operating and Maintenance Instructions.
- QUIET OPERATION: Systems shall operate under conditions of load without unusual or excessive noise or vibration. Unusual or excessive noise or vibration shall be corrected.
- TESTING AND BALANCING: The Contractor shall provide the services of an independent firm certified by the AABC or NEBB to adjust and balance the HVAC equipment to assure that the proper sequence of control is established and operating in a safe manner. The AABC or NEBB certified firm shall balance the airflow for the rooftop unit and fans and shall be balanced for the CFM as indicated on the drawings. The AABC or NEBB certified firm shall guarantee that all testing adjusting and balancing work shall be performed in accordance with NEBB Procedural Standards for Testing and Adjusting and Balancing of Environmental Systems. SHOP DRAWING REQUIRED for Testing and Balancing Report.
- INSTRUCTIONS TO OWNER: Instruct the Owner in the proper operation and maintenance of the mechanical systems until the Owner is fully prepared to operate and maintain the systems. However, length of instruction time shall be limited to one (1) full
- OPERATING AND MAINTENANCE: Provide the Owner with three (3) bound sets of Operating and Maintenance Instructions for 18 all HVAC equipment and controls.
- GUARANTEE: Equipment, materials and labor required by these contract drawings shall be guaranteed to be free from defective materials or workmanship for one (1) year after final acceptance of the project unless specified for a longer period in other portions of the specifications. Defective materials or workmanship occurring during this period shall be corrected at no additional cost.
- 20 PAINTING: General - Paint mechanical equipment and materials (where not concealed). Painting (in concealed spaces) shall be limited to equipment and materials not otherwise protected from rusting such as hangers and supports. Paint shall be products of Sherwin-Williams, Pittsburgh, Pratt-Lambert or equal. Surface preparation, priming and paint application shall be in accordance with the manufacturer's instructions. Galvanized surfaces shall be pretreated with a phosphoric acid cleaning solution and primed. After preparation each item shall be painted, except color of paint for equipment and material where not concealed shall be as selected by the Owner's Representative. Items not concealed in rooms shall be painted of the same color to match adjacent walls or ceilings. Painting is not required of items with a factory-finish coat. Patch painting is required of any damaged areas to match factory-finish coat. Nameplates on equipment shall not be painted.
- IDENTIFICATION OF PIPES AND EQUIPMENT: Each major piece of equipment, such as piping shall be identified by marking that will read the same as the identification shown on the drawings. Stencil letters shall be 2 inches high upper case painted with white enamel on equipment and black enamel on piping and conduit. Identification shall be painted on each pipe or conduit where exposed or accessible and shall be placed every 15 feet along the pipe or conduit.

22. AIR DEVICES (SHOP DRAWING REQUIRED)

- A. Diffusers, registers and grilles shall be Price or equal unless noted otherwise. Ceiling devices shall have white baked enamel finish. All other devices shall have prime finish.
- B. Square ceiling diffusers shall be Model SCDA full louver face sized for direct lay-in mount for inverted T-bar ceiling without panel extensions. Provide opposed blade manual damper, equalizing deflectors and square to round neck adaptor. Construction shall be steel with mitered blade joints. Square ceiling diffusers for hard surface ceilings shall be surface mount type of similar style, Series, construction and appearance as lay-in units.
- C. Custom Flow Architectural Slot Diffusers shall be Jet Slot type as manufactured by Price or approved equal with extruded aluminum air deflector frames, coated steel air pattern controllers (room-side adjustable) easily removable without tools, factory mounted end caps, exposed flange frame (EF), custom baked enamel finish (as selected by Architect), 1-1/2" slot width (selected to match existing conditions), single layer pattern controller, and custom engineered plenum to match existing conditions. Contractor shall coordinate closely with existing linear diffusers to provide the best match possible.
- D. Return air lay-in filter grilles shall be Model A700FF aluminum construction for lay-in inverted Tee Bar ceiling. Blades shall be 40 degrees deflection. Grilles shall have hinged frame with MERV 8 filters of standard size.
- 23. <u>DUCTWORK</u>
 - A. General: Ductwork shall be zinc-coated sheet steel or aluminum, constructed and installed as recommended by the latest edition of SMACNA. Coat all interior surfaces of rigid fabricated and pre-manufactured duct and accessories with one coat of foster 40-20 fungicidal protective finish as manufactured by foster products corporation or provide ductwork with agion anti-microbial coated steel/aluminum.
 - B. Duct clearance shall be established at the job site before any ducts are fabricated. The Contractor will not be allowed any extra costs for ducts fabricated and then found not to fit.
 - C. Manual volume control dampers shall have accessible operating mechanism. Blade height shall not exceed 8 inches.

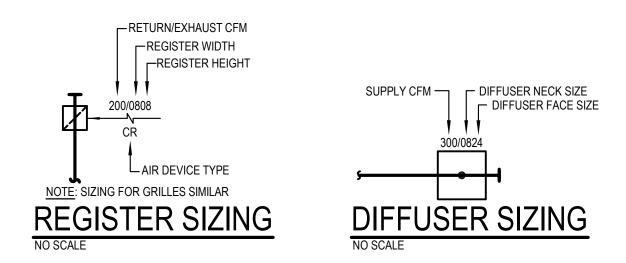
- D. Air deflectors shall be provided in all square elbows and duct-mounted supply outlets.
- E. Hinged access doors shall be provided in accordance with NFPA 90A at all automatic dampers, fire dampers, heaters, Access doors shall be 15" x 18" or as large as practical.
- F. Provide flexible duct connections to air handling equipment.
- G. Duct supports shall consist of not less than 1" x 16-gauge galvanized strap iron hangers spaced not over 4'-0" on center.
- H. Flexible ducts shall be flexible metal or metal and neoprene-coated canvas hose insulated with 1" thick fiberglass with vinyl
- match the air diffuser size unless otherwise indicated.

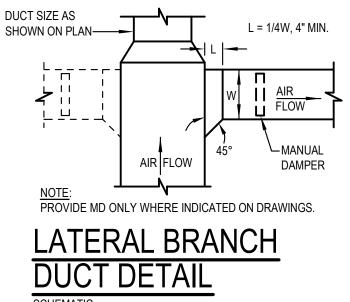
24 THERMAL COVERING (SHOP DRAWING REQUIRED):

- A. Insulation shall be Johns Manville, Owens Corning, Armstrong or equal. Insulation shall not be applied until after the flame-spread rating not exceeding 25 and a smoke-developed rating not exceeding 50.
- B. Supply air ductwork shall be insulated with 1 lb. density, flexible type, 1-1/2" thick with factory applied facing of 0.7 mil 553-92 (Blanket, Flexible), Density 1 pcf, k = 0.31, for temperatures up to 250 Deg. F.
- C. Piping: Insulation shall be installed in conformance with the manufacturer's recommendations.
- D. Fiberglass pipe insulation shall have a white kraft bonded to aluminum foil, reinforced with fiberglass yarn jacket. Size/Insulation Thickness).

System	Temp. Range (Deg. F)		1" to 1-1/4"	1-1/2" to 3"	4" to 6"	8' ab
Heating Water	140-200	1.5	1.5	2.0	2.0	2

- (1) Minimum thickness for insulation listed in preceding table is based on Thermal Conductivity, 'k', not exceeding 0.27 Btu per inch/hr x sq. ft. x Deg. F. based on Mean Temperature of 75 Deg. F. Insulation with greater thermal conductivity shall have increased thickness to provide same performance characteristics as specified. (2) A - Fiberglass type insulation; B - Elastomeric type insulation.
- around the lower half of the insulation.
- resistance (R) of 5.6 at a mean temperature of 75 Deg. F.





thermostats, on each side of air handling unit and other apparatus requiring service and inspection in the duct system.

vapor barrier. All round duct take-offs shall be made with spin-in fittings with balancing damper. The duct diameter shall

equipment, pipes or ducts to be insulated have proven satisfactory under tests. All materials used shall have composite

foil-scrim-white kraft paper jacket effectively vapor sealed. Faced Duct Wrap Fiberglass Insulation - FRK Type 100, ASTMC

Elastomeric insulation shall be constructed of a closed cell structure to effectively retard the flow of moisture vapor and serve as a vapor barrier. Insulation thickness and type for various piping systems shall be as indicated in the following table (Pipe

PIPE SIZE/INSULATION THICKNESS (1

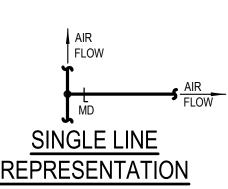
8" & Ins. bove Type

2.0 A

(3) Insulate both liquid and suction lines of refrigerant piping located outdoors and in mechanical rooms.

E. Fiberglass pipe insulation fittings shall be covered with pre-molded PVC fitting covers. Jackets on fiberglass pipe insulation below 80 Deg. F. shall be vapor sealed using self-sealing lap, lap seal gun or adhesive. All insulation joints, laps, voids, punctures and end tapers shall be sealed with 1/32" thickness of vapor adhesive. A 12" long, 1/2 section of hydrous calcium silicate or foamglas insulation shall be used between hangers and piping. On pipe, sizes 1-1/2" and below, hydrous calcium silicate or foamglas will not be required. All piping shall have load-distributing galvanized 16 gauge metal shields installed

F. Ductwork: All supply ducts shall be insulated. Insulation shall be flexible duct insulation meeting ASTM C 533. Insulation shall have a factory-applied facing of foil-scrim-kraft paper jacket reinforced with fiberglass yarn mesh. Insulation shall be secured to rectangular ducts by impaling over metal stick clips spaced 12" center each way. Round duct insulation shall be secured with No. 18 gauge copperweld wire spaced not over 18" on center. Where insulation joints occur, facing tabs shall be lapped not less than 2"; all joints, voids and punctures in facing shall be effectively vapor sealed with Foster Vapor-Safe or Vapor-Fas adhesive. Insulation for all other ductwork shall be 1-1/2" thick and shall have a minimum total thermal

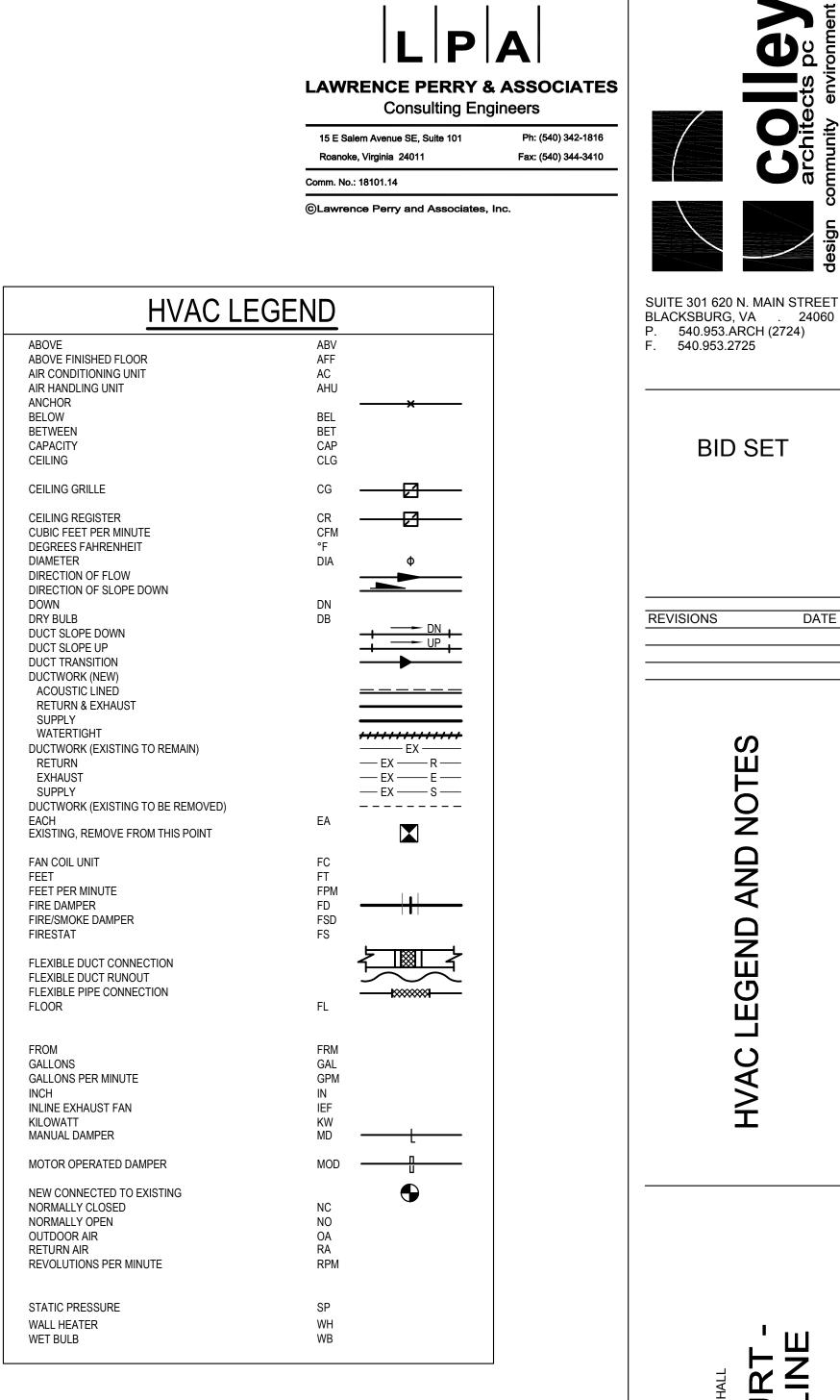


GENERAL NOTES:

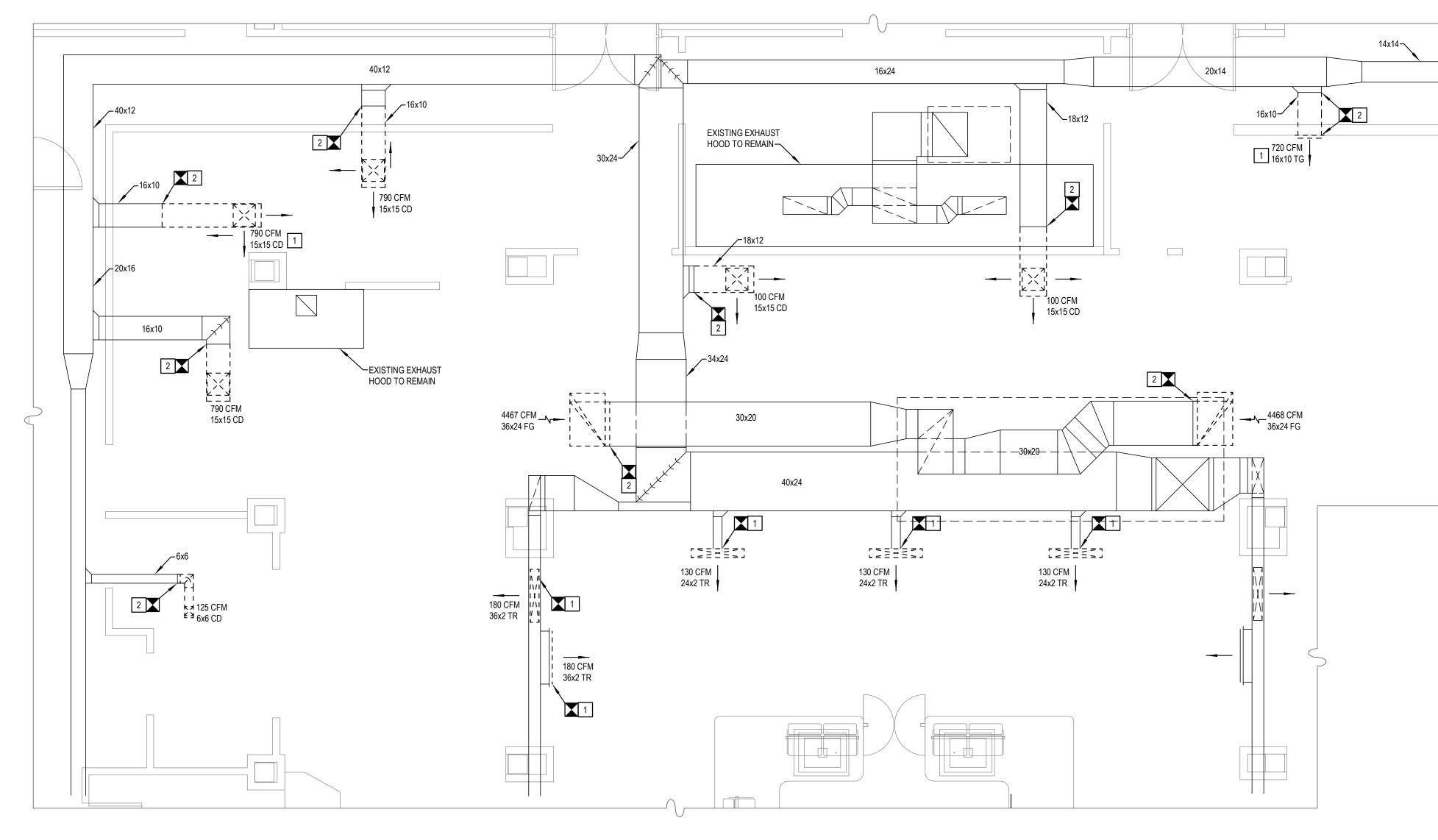
- ALL DUCTWORK AND PIPES SHALL BE COORDINATED WITH OTHER NEW AND EXISTING DUCTS, PIPES, LIGHTS, STRUCTURAL SYSTEM, CEILING SUPPORTS AND FRAMING BEFORE INSTALLATION. MINOR DUCT AND PIPE OFFSETS AND MINOR DUCT TRANSITIONS SHALL BE PROVIDED AS REQUIRED. WHERE TRANSITIONS ARE REQUIRED, CROSS SECTIONAL AREA OF DUCT SHALL NOT BE REDUCED. MEASUREMENTS FOR VERTICAL CLEARANCES OF DUCTWORK SHALL BE TAKEN AT THE JOB SITE BEFORE FABRICATION OF ANY DUCTWORK.
- 2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.
- MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL CODES. APPLICABLE PROVISIONS OF LATEST EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION, LOCAL UTILITY REGULATIONS AND GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION
- 4. CONTRACTOR SHALL SEAL PENETRATIONS IN EXISTING WALLS AS REQUIRED TO COMPLY WITH EXISTING WALL RATINGS.
- VERIFY WALL OPENINGS WITH STRUCTURE.
- 6. VERIFY THE FINAL LOCATION OF ALL THERMOSTATS, TEMPERATURE SENSORS, PANELS AND CONTROL INSTRUMENTS WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- VERIFY LOCATIONS OF NEW AND EXISTING EQUIPMENT AND ROUTE OF DUCTWORK WITH EXISTING CONDITIONS.
- 8. ALL CUTTING AND PATCHING FOR THE INSTALLATION OF NEW WORK IN EXISTING BUILDING SHALL BE DONE BY THE GENERAL CONTRACTOR.
- 9. REFER TO ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS TO COORDINATE THE EXACT LOCATIONS OF DIFFUSERS, REGISTERS, GRILLES, PIPING AND OTHER MECHANICAL EQUIPMENT WITH CEILING GRID, LIGHTS, BEAMS AND OTHER BUILDING COMPONENTS.
- 10. CONTRACTOR SHALL PROVIDE AND INSTALL ALL SUPPORTS REQUIRED TO MOUNT MECHANICAL EQUIPMENT, PIPING AND DUCTWORK.
- 11. WHERE PIPE AND DUCT CONNECTIONS ARE SHOWN CONNECTING TO EXISTING, CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND CONNECTION SIZES PRIOR TO INSTALLATION.
- 12. DUCTWORK SHALL BE ZINC-COATED SHEET STEEL OR ALUMINUM, CONSTRUCTED AND INSTALLED AS RECOMMENDED BY THE LATEST EDITION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". COAT ALL INTERIOR SURFACES OF RIGID FABRICATED AND PRE-MANUFACTURED DUCT AND ACCESSORIES WITH ONE COAT OF FOSTER 40-20 FUNGICIDAL PROTECTIVE FINISH AS MANUFACTURED BY FOSTER PRODUCTS CORPORATION OR PROVIDE DUCTWORK WITH AGION ANTI-MICROBIAL COATED STEEL/ALUMINUM.
- 13. FLEXIBLE DUCTS SHALL BE FLEXIBLE METAL OR METAL AND NEOPRENE-COATED CANVAS HOSE INSULATED WITH 1" THICK FIBERGLASS WITH VINYL VAPOR BARRIER. ALL ROUND DUCT TAKE-OFFS SHALL BE MADE WITH SPIN-IN FITTINGS WITH 45 DEG. EXTRACTOR AND BALANCING DAMPER. THE DUCT DIAMETER SHALL MATCH THE AIR DIFFUSER SIZE UNLESS OTHERWISE INDICATED.
- 14. PROVIDE FLEXIBLE DUCT CONNECTIONS BETWEEN THE SUPPLY AND RETURN DUCTS FROM THE AIR UNITS. FLEXIBLE CONNECTIONS SHALL BE WEATHERTIGHT WHEN EXPOSED.
- 15. PROVIDE AIR TIGHT SEAL BETWEEN DUCTWORK AND FIRE PARTITIONS/WALLS WITH FIRE RESISTANT MATERIAL.
- 16. SUPPLY AIR DUCTWORK SHALL BE INSULATED WITH 1 LB. DENSITY, FLEXIBLE TYPE, 1-1/2" THICK WITH FACTORY APPLIED FACING OF 0.7 MIL FOIL-SCRIM-WHITE KRAFT PAPER JACKET EFFECTIVELY VAPOR SEALED.
- 17. NEW DUCT AND PIPE INSULATION SHALL BE AS SPECIFIED AND SHALL BE SEALED TO EXISTING. INSULATION THAT IS DAMAGED OR REMOVED FOR NEW WORK SHALL BE REPLACED, REPAIRED AND SEALED AS REQUIRED.
- 18. ALL CEILING DIFFUSERS SHALL BE 4-WAY THROW TYPE UNLESS NOTED OTHERWISE.
- 19. CEILING DIFFUSERS SHALL BE PRICE SQUARE LOUVER FACE, LAY-IN, ADJUSTABLE TYPE COMPLETE WITH EQUALIZING DEFLECTORS AND VOLUME CONTROL UNITS. FINISH SHALL BE WHITE.
- 20. RETURN GRILLES AND REGISTERS SHALL BE PRICE SERIES 635, 45 DEGREE DEFLECTION. DAMPERS FOR REGISTERS SHALL BE FACE OPERATED AND OPPOSED BLADE TYPE
- 21. AIR DEFLECTORS SHALL BE INSTALLED IN ALL SQUARE ELBOWS
- 22. CEILING GRID AND OTHER ITEMS SHALL NOT BE SUPPORTED FROM OR IN CONTACT WITH MECHANICAL EQUIPMENT. CONDUIT, WIRING, PIPING AND SUPPORTS SHALL NOT BE LOCATED IN FRONT OF FAN COIL ACCESS PANELS.
- 23. DUCTWORK AND PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING WITH ELECTRICAL PANELS WHEN SHOWN NEAR PANELS OR OVER ELECTRICAL ROOMS.
- 24. INSTRUCT THE OWNER IN THE PROPER OPERATION AND MAINTENANCE OF THE MECHANICAL SYSTEMS UNTIL THE OWNER IS FULLY PREPARED TO OPERATE AND MAINTAIN THE MECHANICAL SYSTEM. HOWEVER, LENGTH OF INSTRUCTION TIME SHALL BE LIMITED TO ONE DAY.
- 25. EQUIPMENT, MATERIALS AND LABOR REQUIRED BY THESE CONTRACT DRAWINGS SHALL BE GUARANTEED TO BE FREE FROM DEFECTIVE MATERIALS OR WORKMANSHIP FOR ONE YEAR AFTER FINAL ACCEPTANCE OF THE PROJECT UNLESS SPECIFIED OTHERWISE. DEFECTIVE MATERIALS OR WORKMANSHIP OCCURRING DURING THIS PERIOD SHALL BE CORRECTED AT NO ADDITIONAL COST.
- 26. ALL NEW RIGID SUPPLY AND EXHAUST DUCTWORK SHALL BE INTERNALLY COATED WITH ANTI-MICROBIAL PAINT IN STRICT ACCORDANCE WITH THE UNIVERSITY'S CURRENT STANDARDS.

DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL REMOVE OR ALTER AS NECESSARY ALL EXISTING PIPING, EQUIPMENT, EQUIPMENT FOUNDATIONS, AND APPURTENANCES THAT ARE NOT REQUIRED FOR THE EXISTING SYSTEMS TO REMAIN. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE SCOPE OF THIS WORK AND VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS.
- EXISTING EQUIPMENT SHALL BE TURNED OVER TO THE OWNER, UNLESS DIRECTED OTHERWISE AND LOCATED AS DIRECTED BY THE OWNER. ALL OTHER ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE PREMISES.
- 3. INSULATION ON EXISTING PIPING OR DUCTWORK THAT IS DAMAGED OR REMOVED DUE TO THE DEMOLITION WORK SHALL BE REPLACED AND SEALED AS REQUIRED TO PROVIDE CONTINUOUS COVERAGE.



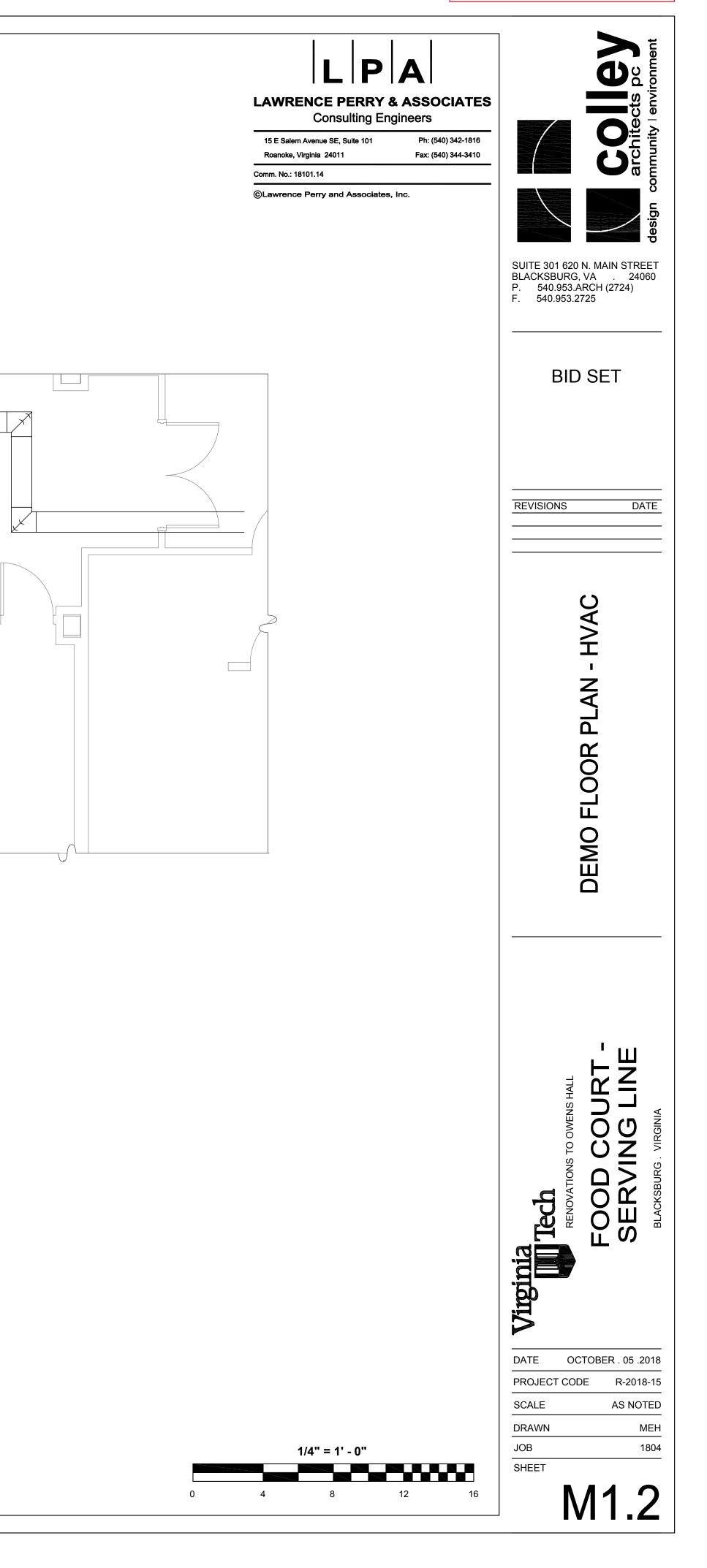


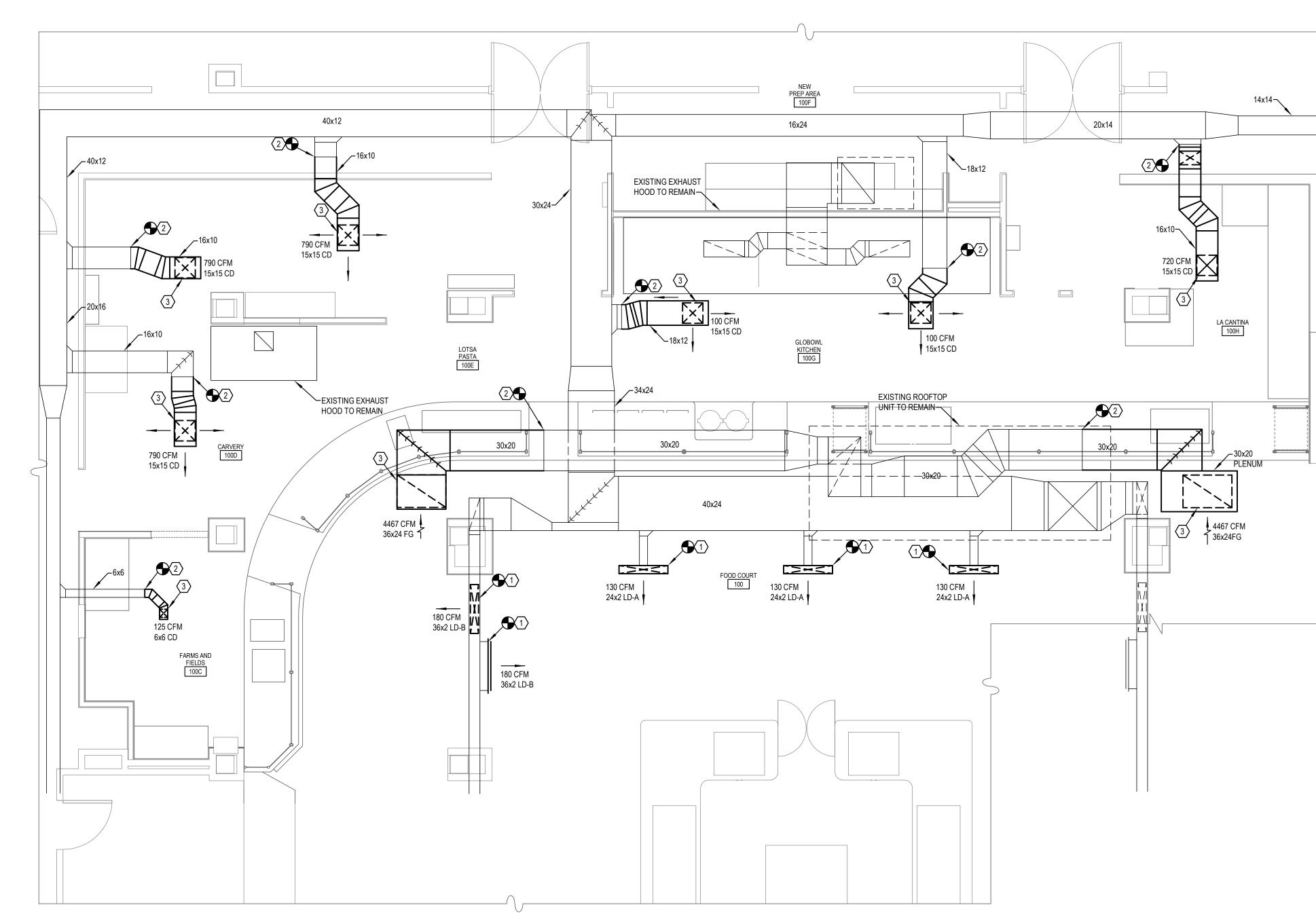


DEMOLITION FLOOR PLAN - HVAC

PLAN NOTES:

- 1. REMOVE EXISTING LINEAR CEILING DEVICE AND ASSOCIATED VERTICAL CONNECTION TO BRANCH DUCT. CLEAN AND PREPARE FOR CONNECTION TO NEW WORK. INCREASE CEILING OPENING SIZE AS REQUIRED FOR NEW AIR DEVICE.
- 2. REMOVE EXISTING DUCTWORK, ASSOCIATED INSULATION, AND CEILING DEVICE TO THE EXTENT SHOWN. CLEAN AND PREPARE FOR CONNECTION TO NEW WORK.

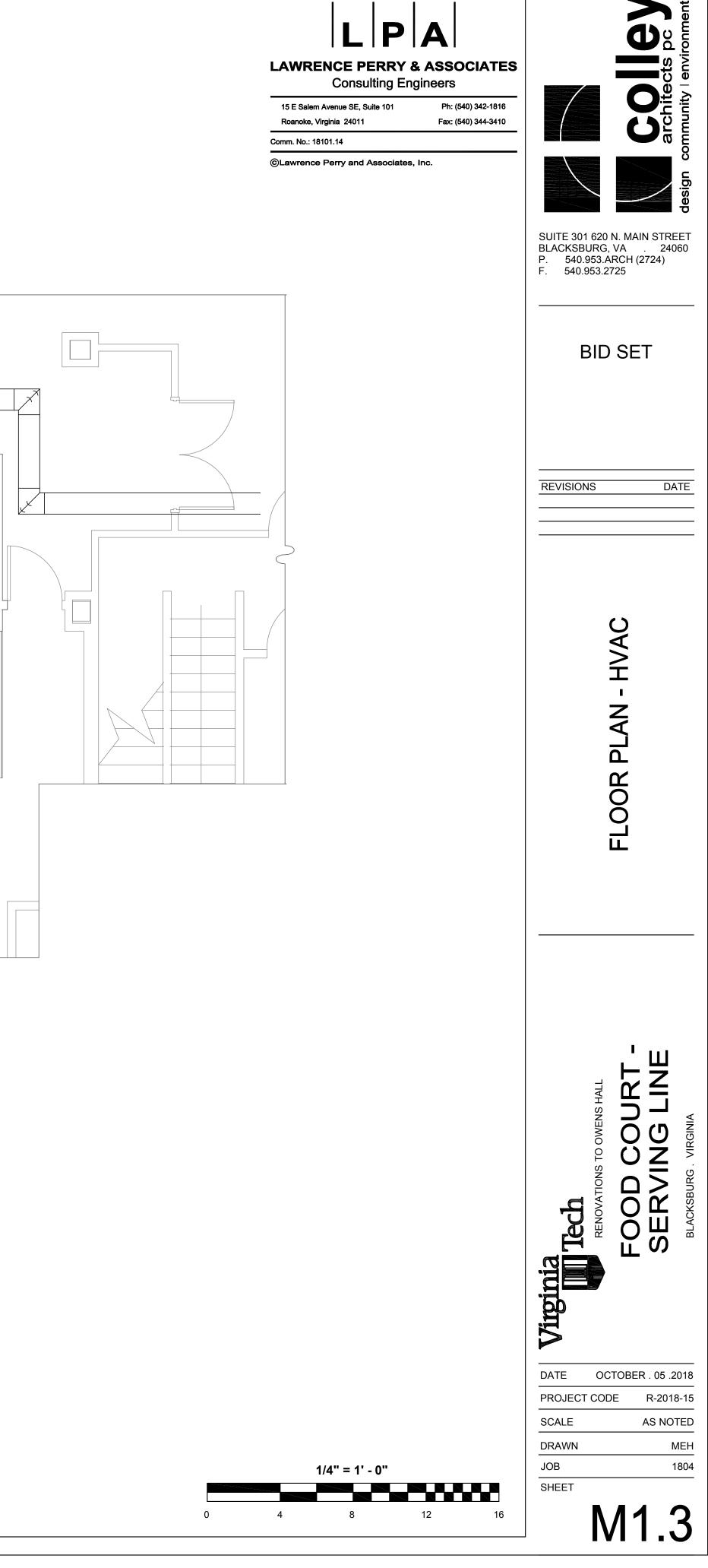




FLOOR PLAN - HVAC

PLAN NOTES:

- 1. INSTALL NEW CEILING DEVICE AND CONNECT TO FULL SIZE OF EXISTING BRANCH DUCT. PATCH AND REPAIR CEILING TO MATCH EXISTING. BALANCE DEVICE FOR THE AIRFLOW INDICATED.
- 2. EXTEND DUCTWORK AS SHOWN.
- 3. CONNECT TO NEW CEILING DEVICE.



								EXIS	TING	PAN	EL F	C			
	E: 208Y/120V		: 400A N									INTEGRAL SPD: NO			
	: 3PH, 4W EUTRAL: YES		RATING: UND BUS									MOUNTING: FLUSH INTERRUPT RATING: 10,000 AIC			
CKT	LOAD SERVED	BKR	PHASE	-	GND	COND	DMD	L1	L2	L3	СКТ	LOAD SERVED	BKR	PH	
1	PANNI PRESS LA CANTINA	25/1	#10	#10	#10	3/4"	K	2.2			2	PANNI PRESS LA CANTINA	25/1	ŀ	
3	PANNI PRESS LA CANTINA	25/1	#10	#10	#10	3/4"	K	2.2	2.2		4	PANNI PRESS LA CANTINA	25/1	╉	
5	PREP COOLER LA CANTINA	20/1	#12	#12	#12	3/4"	K		2.2	.9	6	WARMING CABINET LA CANTINA	20/2	╈	
7	SPACE ONLY	-	-	-	-	-	ĸ	-		.0	8		-	╈	
9	SPACE ONLY		-	-	-	-	-		-		10	COLD WELL GLOWBOWL	20/1	╈	
11	STEAMER GLOWBOWL	50/3	#8	#8	#10	1"	- К			5	12	INDUCTION WOK GLOWBOWL	20/2		
13	"	-	#0	-	-	-		5		5	14	"	-		
15	n	-	#0	-	-	-	к к	5	5		14	INDUCTION WOK GLOWBOWL	20/2		
17	INDUCTION WOK GLOWBOWL	20/2	#0	-	#12	3/4"			5	1.25	18		-		
	"	- 20/2	#12	-	#1Z	- 3/4	K	1.25		1.20	20	FOOR WARMER DRAWER LA CANTINA	15/2		
19		20/2	#12	-			K	1.20	1.25		20	FOOR WARMER DRAWER LA CANTINA	-		
21	INDUCTION WOK GLOWBOWL	20/2		-	#12	3/4"	K		1.25	4.05			- 15/3	-	
23		00/0	#12	-			K	4.05		1.25	24	HOT WELL GLOWBOWL			
25	HOT WELL LA CANTINA	20/2	#12		#12	3/4"	K	1.35	4.05		26		-		
27			#12				K		1.35		28		-		
29	RICE WARMERS GLOWBOWL	20/1	#12	#12	#12	3/4"	K	4.05		.38	30	RECEPTACLE	20/1	+	
31		20/1	#12	#12 -	#12	3/4"	L	1.25	-		32	RECEPTACLE	20/1		
33	SPACE ONLY				-		-		_		34	RECEPTACLE	20/1	+	
35	SPACE ONLY			_	-		-	-		_	36	RECEPTACLE	20/1	+	
37	SPACE ONLY				-		-	_			38	PREP COOLER	20/1	+	
39			#8	-		-	K		4		40	SPARE	20/1	+	
41	30 AMP RECEPTACLE	30/1	#10	#10	#10	3/4"	K			2.89	42	30 AMP RECEPTACLE	30/1		
43	30 AMP RECEPTACLE	30/1	#10	#10	#10	3/4"	К	2.89			44	30 AMP RECEPTACLE	30/1	_	
45	RECEPTACLE	20/1	#12	#12	#12	3/4"	K		.18		46	30 AMP RECEPTACLE	30/1		
47	30 AMP RECEPTACLE	30/1	#10	#10	#10	3/4"	К			2.89	48	SPARE	20/1	\downarrow	
49	SPACE ONLY		-	-	-	-	-	-			50	SPARE	20/1		
51	HEAT LAMPS	20/1	#12	#12	#12	3/4"	К		.75		52	HOT WELL	20/2		
53	MERCHANDISER	20/1	#12	#12	#12	3/4"	К			.88	54		-		
55	HOT WELL	20/2	#12	-	#12	3/4"	К	1.2			56	HEAT LAMPS	20/1		
57	"		#12	-	-	-	К		1.2		58	FOOD WARMER	15/2		
59	HOT SHELVES	20/1	#12	#12	#12	3/4"	К			1.28	60		-	\downarrow	
61	ORDER DEVICES	20/1	#12	#12	#12	3/4"	R	.36			62	ORDER DEVICES	20/1		
63	ORDER DEVICES	20/1	#12	#12	#12	3/4"	R		.54		64	ORDER DEVICES	20/1	\downarrow	
65	HEAT LAMPS	20/1	#12	#12	#12	3/4"	К			1.5	66	HEAT LAMPS	20/1	⊥	
67	HEAT LAMPS	20/1	#12	#12	#12	3/4"	К	1			68	HEAT LAMPS	20/1		
69	MONITORS	20/1	#12	#12	#12	3/4"	С		.8		70	MONITORS	20/1		
71	MONITORS	20/1	#12	#12	#12	3/4"	С			.8	72	MONITORS	20/1		
73	HANGING LAMPS AT COUNTER	20/1	#12	#12	#12	3/4"	L	.85			74	COLDWELL AND REFRIGERATOR	20/1		
75	COOLER AND REFRIGERATOR	20/1	#12	#12	#12	3/4"	к		1.44		76	WARMER	20/1		
77	PANINI PRESS	25/1	#10	#10	#10	3/4"	К			2.2	78	PANINI PRESS	25/1		
79	WARMER	20/1	#12	#12	#12	3/4"	К	1.32			80	PREP COOLER, RECEPTACLES	20/1		
81	UNDER COUNTER LIGHTING	20/1	#12	#12	#12	3/4"	-		.28		82	SPACE ONLY	-		
83	SPARE	-	-	-	-	-	-			-	84	SPACE ONLY	-		
CIRCUI	EXISTING PANEL-FC IS A 400 AMP 3PH T SQUARE D TYPE NQ. THE PANEL CO ERS AND ADD BREAKERS AS REQUIREI	NTAINS 30 1 PC	DLE 20 AI												
LOADS	(KVA) CONNECTED	DEMAND	DEMA	AND							LOAD	S (KVA) CONNECTED	DEM		
LIGHTIN		FACTOR 1.25	2.6										FAC		
REC TO		1.25	2.6									IEN EQUIPMENT 91.01 INUOUS 3.2	0.0 1.:		
REC RE	MAINING 0	0.5	0								NON-0	CONTINUOUS 0	1	.0	
	HEATING 0	0.0	0								DEMA	ND 0	1	.0	
	NDITIONING 0 EASONAL MOTORS 0	1.0 1.0	0									L CONNECTED LOAD 98.8	K١	_Δ	
	RGEST MOTOR 0 0.25 0										MIN. FEEDER / PANEL CAPACITY 68.3 KVA				
	HEATING 0	1.0	0									ALL DEMAND FACTOR 0.69			

							E	EXIS	TING	PAN	EL I	FC										\	\bigwedge
SYSTEM	E: 208Y/120V : 3PH, 4W EUTRAL: YES	BUS	S RATI)a MLO NG: 400A BUS: YES							-	INTEGRAL SPD: NO MOUNTING: FLUSH INTERRUPT RATING: 10,000 AIC										}	GENERAL NOTES:
СКТ			_	SE NEUT G		COND	DMD	L1	L2	L3	СКТ		BKR 25/1		-	_					L3	\	1. LOAD SIDE CONDUCTOR AND CONDUIT SIZES FROM DISCONNECT SWITCHES TO EQUIPMENT SHALL BE THE SAME AS
3	PANNI PRESS LA CANTINA PANNI PRESS LA CANTINA	25/1 25/1	_		#10 #10	3/4" 3/4"	к К	2.2	2.2		4	PANNI PRESS LA CANTINA PANNI PRESS LA CANTINA	25/1	#10 #10	-				2.2	2.2		3	LINE SIDE CONDUCTORS AND CONDUIT.
5	PREP COOLER LA CANTINA	20/1	#1	2 #12 #	#12	3/4"	К	_		.9	6	WARMING CABINET LA CANTINA	20/2	#12	_	#12	2 3/4"	К			.75])	2. CAREFULLY COORDINATE ALL ELECTRICAL EQUIPMENT LOCATIONS WITH DUCTWORK, PIPING, KITCHEN EQUIPMENT AND MECHANICAL EQUIPMENT. MAINTAIN ALL CLEARANCES AND SPACES REQUIRED BY THE NEC.
7 9	SPACE ONLY SPACE ONLY	-		-	-	-	-	-	-		8	COLD WELL GLOWBOWL	- 20/1	#12 #12	_	2 #12	2 3/4"	K K	.75	1.08		- /	3. WHERE MULTIPLE CIRCUITS ARE COMBINED IN A SINGLE CONDUIT, DERATE CONDUCTORS PER THE NEC.
11	STEAMER GLOWBOWL	50/3	#	3 #8 #	<i>‡</i> 10	1"	К			5	12	INDUCTION WOK GLOWBOWL	20/2	#12	_	#12	2 3/4"	К			1.25	\	4. CAREFULLY COORDINATE LOCATIONS OF ALL LIGHTING FIXTURES, OCCUPANCY SENSORS, HEAT DETECTORS, FIRE ALARM NOTIFICATION APPLIANCES AND OTHER ELECTRICAL CEILING DEVICES WITH SPRINKLER HEADS AND HVAC
13 15	"	-	#	,	-	-	K	5	5		14	" INDUCTION WOK GLOWBOWL	- 20/2	#12	_	- #12	- 2 3/4"	K	1.25	1.25			
17	INDUCTION WOK GLOWBOWL	20/2	#1	2 - #	<i>‡</i> 12	3/4"	K			1.25	18	н	-	#12	-	-	-	К			1.25	\	5. FOR ALL EXISTING OUTLET BOXES THAT ARE NOT BEING REUSED, PROVIDE BLANK COVER PLATE TO MATCH NEW WALL PLATES IN THAT AREA.
19 21	" INDUCTION WOK GLOWBOWL	- 20/2	#1		- #12	- 3/4"	K	1.25	1.25		20 22	FOOR WARMER DRAWER LA CANTINA	15/2	#12 #12	_	#12	2 3/4"	K	.45	.45		- \	6. MODIFY EXISTING PANEL SCHEDULES TO ACCURATELY REFLECT ALL CHANGES MADE AS PART OF THIS CONTRACT. AL NEW BREAKERS IN EXISTING PANELS SHALL MATCH EXISTING AIC. PANEL SCHEDULES SHALL BE TYPED.
23	"	-	#1		-	-	K K		1.25	1.25	22	HOT WELL GLOWBOWL	15/3	#12	_	#12	2 3/4"	K K		.45	1.2	\	7. ALL DEVICES, OUTLET BOXES CONDUIT, WIRE AND SUPPORTING DEVICES NOT BEING REUSED SHALL BE REMOVED.
25	HOT WELL LA CANTINA	20/2	_		<i>‡</i> 12	3/4"	К	1.35			26	n 1	-	#12	_	-	-	К	1.2])	8. ALL DEVICES SHOWN MOUNTED ON NEW OR EXISTING WALLS SHALL BE FLUSH MOUNTED. THE COVERING ON EXISTING
27 29	" RICE WARMERS GLOWBOWL	20/1	#1	-	- #12	- 3/4"	K		1.35	.38	28 30	RECEPTACLE	- 20/1	#12	_	2 #12	- 2 3/4"	K		1.2	.18	- \	WALLS WILL BE REMOVED EXPOSING THE STUDS SO NEW OUTLET BOXES MAY BE FLUSH MOUNTED BEFORE NEW WAL SURFACES ARE INSTALLED.
31	LIGHTS	20/1	_		#12	3/4"	L	1.25			32	RECEPTACLE	20/1	#12					.18			\	9. WHERE BREAKERS ARE REMOVED FROM EXISTING PANELS OR CIRCUITS ARE DISCONNECTED PROVIDE A NEW TYPE WRITTEN DIRECTORY DEPICTING THE CURRENT USE FOR EACH CIRCUIT BREAKER REMAINING IN THE PANEL. ALL
33	SPACE ONLY		-	-	-	-	-		-	-	34		20/1	#12					_	.18	10	- \	EXISTING CIRCUITS REMAINING IN USE IN EXISTING PANELBOARDS SHALL BE TRACED AND VERIFIED.
35 37	SPACE ONLY SPACE ONLY	-			-	-	-	-			36 38	RECEPTACLE PREP COOLER	20/1	#12		_	2 3/4" 2 3/4"		.68		.18	 ∫	10. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID IN ORDER TO VERIFY ALL EXISTING CONDITIONS, TO DETERMINE THE FULL EXTENT OF DEMOLITION WORK REQUIRED, AND TO DETERMINE THE FULL EXTENT OF
39	п	-	#		-	-	к		4		40	SPARE	20/1	-	-	-	-	-		-		1 2	RELOCATION AND MODIFICATION WORK REQUIRED FOR ELECTRICAL WORK (DUE TO OTHER DISCIPLINES INTERFERING OR ANY OTHER REASON). EXISTING SPACE IS TIGHT IN MANY AREAS (PARTICULARLY ABOVE CEILINGS), AND THE
41 43	30 AMP RECEPTACLE 30 AMP RECEPTACLE	30/1	_		#10 #10	3/4" 3/4"	K	2.89		2.89	42 44	30 AMP RECEPTACLE 30 AMP RECEPTACLE	30/1 30/1	#10 #10					2.89	,	2.89	┤ 	CONTRACTOR SHALL BE FULLY RESPONSIBLE TO COORDINATE ALL ELECTRICAL WORK WITH BOTH NEW AND EXISTING PIPING, DUCTWORK, CONDUIT, ETC. NO CHANGE ORDERS WILL BE APPROVED FOR ADDITIONAL WORK DUE TO THE CONTRACTOR NEGLECTING TO VISIT THE SITE AND GATHER ALL NECESSARY INFORMATION.
45	RECEPTACLE	20/1				3/4"	K	2.03	.18		44	30 AMP RECEPTACLE	30/1	#10					2.03	2.89		15	11. UNLESS INDICATED OTHERWISE, ALL EXIT SIGNS AND THE VOLTAGE SENSING TERMINALS OF ALL EMERGENCY
47	30 AMP RECEPTACLE	30/1	#1	0 #10 #	#10 -	3/4"	К			2.89	48	SPARE	20/1	-	-	-	-	-			-])	BATTERY PACKS AND GTD'S SHALL BE CONNECTED AHEAD OF ALL SWITCHES, RELAYS, SENSORS AND POWER PACKS WITH 2 #12 AND 1 #12 GROUND IN 1/2" CONDUIT.
49 51	SPACE ONLY HEAT LAMPS	- 20/1	#1	- 2 #12 #	- #12	- 3/4"	- к		.75		50 52	SPARE HOT WELL	20/1 20/2	- #12	-	- #12	- 2 3/4"	- -	-	1.2		┤ ╎	12. ALL EMERGENCY LIGHTING FIXTURES SHALL BE MARKED SO AS TO BE IDENTIFIED BY VISUAL INSPECTION FOR TESTING
53	MERCHANDISER	20/1	#1	2 #12 #	<i>‡</i> 12	3/4"	K			.88	54	"	-	#12	-	-	-	K			1.2	\	PURPOSES. IDENTIFICATION SHALL BE BY ONE 1/2" RED SELF-STICK DOT ON THE VERTICAL PORTION OF LOUVER OR OUTHE TOP OF THE LENS.
55 57	HOT WELL	20/2	#1		#12 -	3/4"	K	1.2	1.2		56 58	HEAT LAMPS FOOD WARMER	20/1 15/2	#12 #12		2 #12			.75	5		- \	13. PROVIDE ALL 120-VOLT POWER NEEDED FOR THE FIRE ALARM SYSTEM. PROVIDE CIRCUIT BREAKER LOCKS AND
59	HOT SHELVES	20/1		-	<i>‡</i> 12	3/4"	K K		1.2	1.28	60	"	-	#12	_	-	-	K		.0	.5	- 5	CLEARLY INDICATE IN THE DIRECTORY THAT THEY ARE FIRE ALARM CIRCUITS. PROVIDE RED BREAKER, RED BREAKER LOCK OR RED DOT ON DEAD FRONT COVER BESIDE BREAKER. POWER SUPPLY QUANTITIES SHALL BE DETERMINED BY THE FIRE ALARM SUPPLIER AND INCLUDED IN BID. ALL POWER SUPPLIES SHALL BE LOCATED IN UTILITY-TYPE SPACES
61	ORDER DEVICES	20/1	_			3/4"	R	.36			62	ORDER DEVICES	20/1	#12	#12			R	.54			\	(MECH/ELEC/COMM ROOMS, HOUSEKEEPING CLOSETS, TRASH ROOMS, ETC.).
63 65	ORDER DEVICES HEAT LAMPS	20/1	_			3/4" 3/4"	R		.54	1.5	64 66	ORDER DEVICES HEAT LAMPS	20/1	#12						.36	1.25		14. WHERE RE-USE OF EXISTING CONDUIT, WIRING AND/OR OUTLET BOXES IS INDICATED, ALSO PROVIDE NEW MATERIALS IF NECESSARY. IF NEW EXPOSED MATERIALS ARE NEEDED, USE SURFACE RACEWAY (SINGLE-CHANNEL EXCEPT
67	HEAT LAMPS	20/1	_			3/4"	K	1		1.0	68	HEAT LAMPS	20/1	#12					1.26	;		\	WHERE SPECIFICALLY INDICATED OTHERWISE), EXCEPT EXPOSED CONDUIT AND BOXES MAY BE USED IN UNFINISHED AREAS (MECHANICAL/ELECTRICAL/IT ROOMS, STORAGE AND HOUSEKEEPING CLOSETS, ETC.).
69 71	MONITORS	20/1	_			3/4"	С		.8		70	MONITORS	20/1	#12				<u> </u>		.8		\	
71	MONITORS HANGING LAMPS AT COUNTER	20/1	_			3/4" 3/4"	C L	.85		.8	72 74	MONITORS COLDWELL AND REFRIGERATOR	20/1	#12 #12					1.44	,	.8	- \	
75	COOLER AND REFRIGERATOR	20/1	#1	2 #12 #	#12	3/4"	К		1.44		76	WARMER	20/1	#12	#12	2 #12	2 3/4"	К		1.2		\	
77 79	PANINI PRESS WARMER	25/1	_			3/4" 3/4"	K	1.32		2.2	78 80	PANINI PRESS PREP COOLER, RECEPTACLES	25/1 20/1	#10		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			.36		2.2	- \	
81	UNDER COUNTER LIGHTING	20/1	_			3/4"	к -	1.52	.28		82	SPACE ONLY	-	-	-		-	- K	.50	-		15	
83	SPARE	-	-	-	-	-	-			-	84	SPACE ONLY	-	-	-	-	-	-			-])	
CIRCU	EXISTING PANEL-FC IS A 400 AMP 3PH T SQUARE D TYPE NQ. THE PANEL CO ERS AND ADD BREAKERS AS REQUIRE	NTAINS 30 1 P	POLE 2	0 AMP BREAKE												PHA	ASE LOAD	TOTALS	32.6	2 32.3	34.87		NO FIRE WALLS ARE BEING PENETRATED UNDER THIS PROJECT.
LOADS	(KVA) CONNECTED	DEMAND FACTOR	D	EMAND							LOA	DS (KVA) CONNECTED	DEM. FAC		DEM	IAND						\	
	NG 2.1 0 10 KVA 2.52	1.25 1.0		2.63 2.52								CHEN EQUIPMENT 91.01 ITINUOUS 3.2	0.6 1.2		59. 2	.16 4						1	ξ
REC RE	EMAINING 0 HEATING 0	0.5 0.0		0							NON	I-CONTINUOUS 0 IAND 0	1. 1.	0	(0 n						{	VOLTAGE: 208Y/120V MAIN: 225A MLO
AIR CO	NDITIONING 0 EASONAL MOTORS 0	1.0		0											07	0 A E						5	SYSTEM:3PH, 4WBUS RATING:225ASOLID NEUTRAL:YESGROUND BUS:YES
LARGE	ST MOTOR 0	1.0 0.25		0							MIN.	AL CONNECTED LOAD 98.8 FEEDER / PANEL CAPACITY 68.3	KV KV				AMPS AMPS					\	CKT LOAD SERVED BKR PHASE NEUT GND COND DMD
	HEATING 0	1.0	•	0	• •	• •		• •	• •		Į	RALL DEMAND FACTOR 0.69				• •	• •	• •				`}	1 FREEZER LOTS A PASTA-NOTE 1 20/1 #12 #12 #12 3/4" K 3 PASTA COOKER 50/2 #8 - #10 3/4" -
													00										5 " - #8
																							7 WARMER - NOTE 1 20/2 #12 #12 3/4" K 9 " - #12 - <
																							3 #12 K 11 REFRIGERATOR NOTE- 1 20/1 #12 #12 #12 1/2" K
																							13 WARMER NOTE 1 20/1 #12 #12 1/2" K
																							15 RECEPTACLE 20/1 #12 #12 #12 1/2" R 17 SPARE 20/1 - <t< td=""></t<>
																				~~~	~~~		19 WARMER - NOTE 1 20/1 #12 #12 1/2" K
																	5						21         WARMER NOTE - 1         20/1         #12         #12         #12         1/2"         K           3 NOTES:         23         ORDER DEVICES         20/1         #12         #12         #12         1/2"         R
																$\bigwedge_{1}$	<b>\</b>						25 OVEN CARVERY - NOTE 2 50/3 #8 - #10 3/4" κ
																<u> </u>	<u>``</u>	т. 2					Т AND WIRE
																	}		AMP BI	REAKER.			29 #6 K
																	2	3.		/E A 1 POL REAKER.	e 20 AMP e	BREAKE	ER AND INSTALL A 1 POLE 30
																	<b>\</b>	4.					KER AND (1) 2 POLE 30 AMP 50 AMP BREAKER. DEMAND FACTOR
																	>	5					LIGHTING 0 1.25 0
																	ζ	J.		REAKER.	20 AIVIP E		REC REMAINING00.50
																	}						SPACE HEATING00.00AIR CONDITIONING01.00
																	2						NON-SEASONAL MOTORS         0         1.0         0           LARGEST MOTOR         0         0.25         0
																			<b>.</b> .	•	• •	• •	WATER HEATING 0 1.0 0

4

.47

.36

1.3

5

1.27

5

# ADDENDUM 2 - ATTACHMENT C.

SCALE

DRAWN

JOB

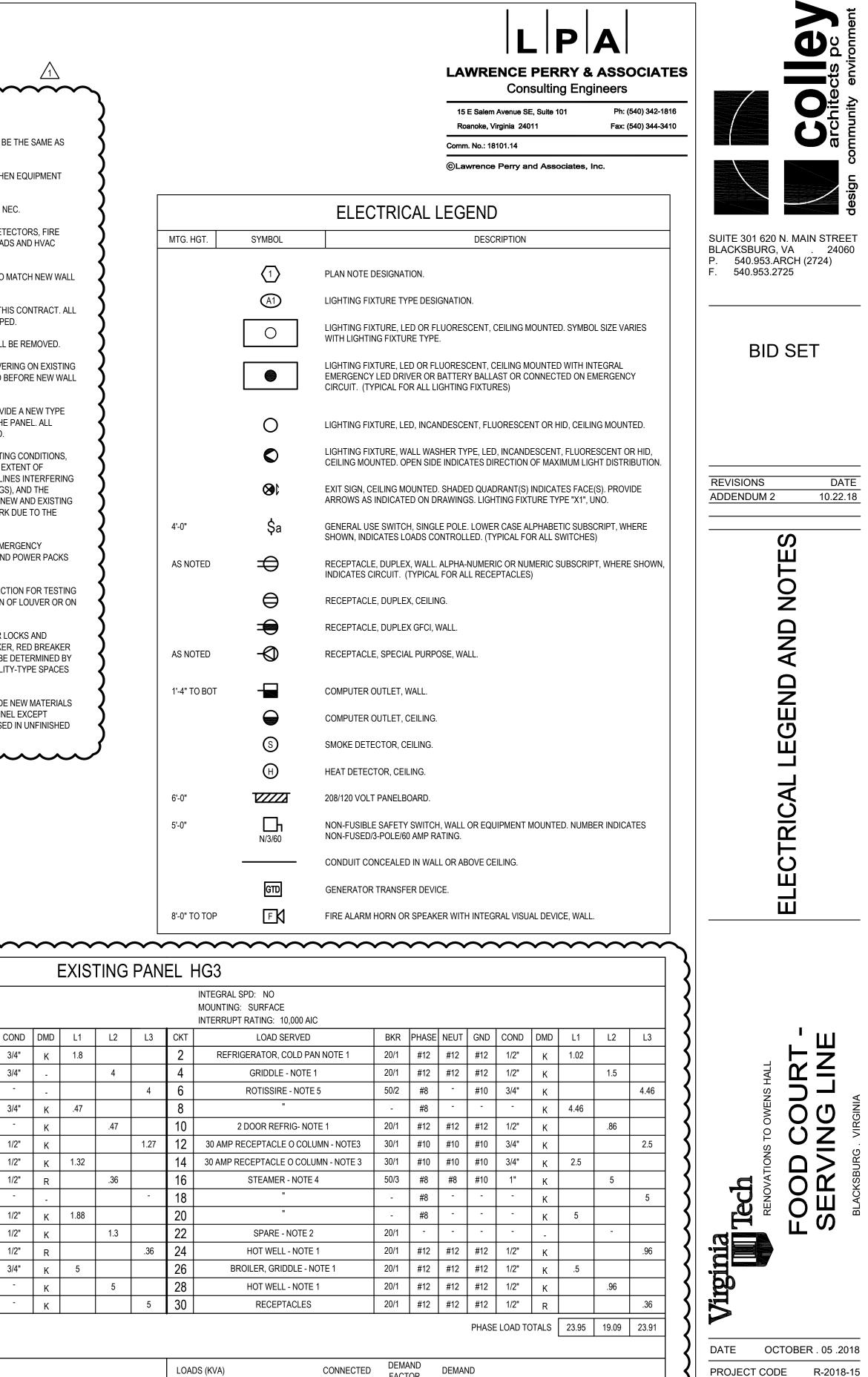
SHEET

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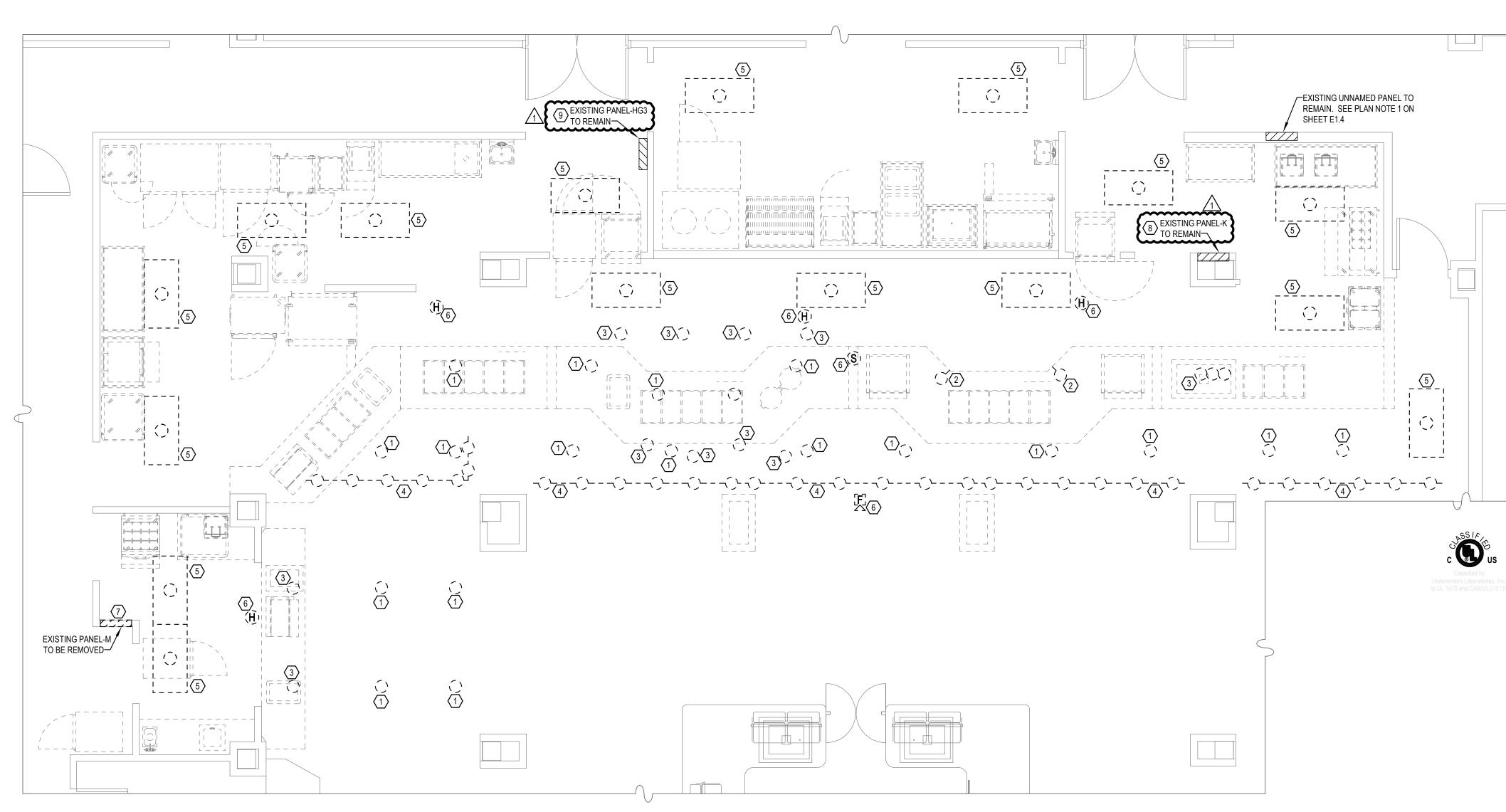
AS NOTED

WDC

1804



FACTOR KITCHEN EQUIPMENT 0.65 43.05 66.23 1.25 CONTINUOUS 0 0 NON-CONTINUOUS 1.0 DEMAND 1.0 TOTAL CONNECTED LOAD KVA 67 186 AMPS MIN. FEEDER / PANEL CAPACITY 43.8 KVA 121.6 AMPS OVERALL DEMAND FACTOR 0.65 



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

# PLAN NOTES: 🔿 1. REMOVE RECESSED DOWN LIGHTS.

- 2. REMOVE WALL MOUNTED FIXTURE. REMOVE PENDANT LIGHT FIXTURE. 3. REMOVE LIGHT TRACK AND ALL FIXTURES. 4. 5. REMOVE RECESSED FLUORESCENT FIXTURE. 6. FIRE ALARM SYSTEM CONTINUITY WHILE DEVICES ARE OUT. SPARE. REMOVE CONDUIT WHERE ACCESSIBLE. AREA THAT MUST REMAIN.
- AREA THAT MUST REMAIN. ·····

# **DEMOLITION FLOOR PLAN - ELECTRICAL**

REMOVE EXISTING FIRE ALARM DEVICE AND STORE FOR REINSTALLATION. MAINTAIN

REMOVE PANEL-M AND ALL ASSOCIATED CONDUIT WHERE ACCESSIBLE AND WIRE. PANEL FEEDS EQUIPMENT IN THE IMMEDIATE AREA. CONTRACTOR SHALL TRACE AND LOCATE FEEDER SERVING PANEL-M DISCONNECT PANEL FEEDER FROM BREAKER AND REMOVE EXISTING CONDUCTORS FROM BREAKER TO PANEL. PROVIDE NEW TYPEWRITTEN DIRECTORY FOR PANEL FEEDING PANEL-M AND LABEL CIRCUIT AS

EXISTING PANEL-K FEEDS MOSTLY COOKING EQUIPMENT IN THE IMMEDIATE AREA OF THE PANEL. CONTRACTOR SHALL TRACE ALL CIRCUITS AND REMOVE THOSE WITHIN THE RENOVATION AREA. ALL CIRCUITS REMOVED SHALL BECOME SPARE UNLESS NOTED TO BE REUSED ON THE POWER PLAN. REMOVE ALL CONDUIT AND WIRE FOR CIRCUITS TO BE REMOVED. PROVIDE NEW TYPEWRITTEN DIRECTORY INDICATING CIRCUITS THAT BECOME SPARE AND THOSE THAT FEED OUTSIDE THE RENOVATION

EXISTING PANEL-HG3 FEEDS MOSTLY COOKING EQUIPMENT IN THE IMMEDIATE AREA OF THE PANEL. CONTRACTOR SHALL TRACE ALL CIRCUITS AND REMOVE THOSE WITHIN THE RENOVATION AREA. ALL CIRCUITS REMOVED SHALL BECOME SPARE UNLESS NOTED TO BE REUSED ON THE POWER PLAN. REMOVE ALL CONDUIT AND WIRE FOR CIRCUITS TO BE REMOVED. PROVIDE NEW TYPEWRITTEN DIRECTORY INDICATING CIRCUITS THAT BECOME SPARE AND THOSE THAT FEED OUTSIDE THE RENOVATION

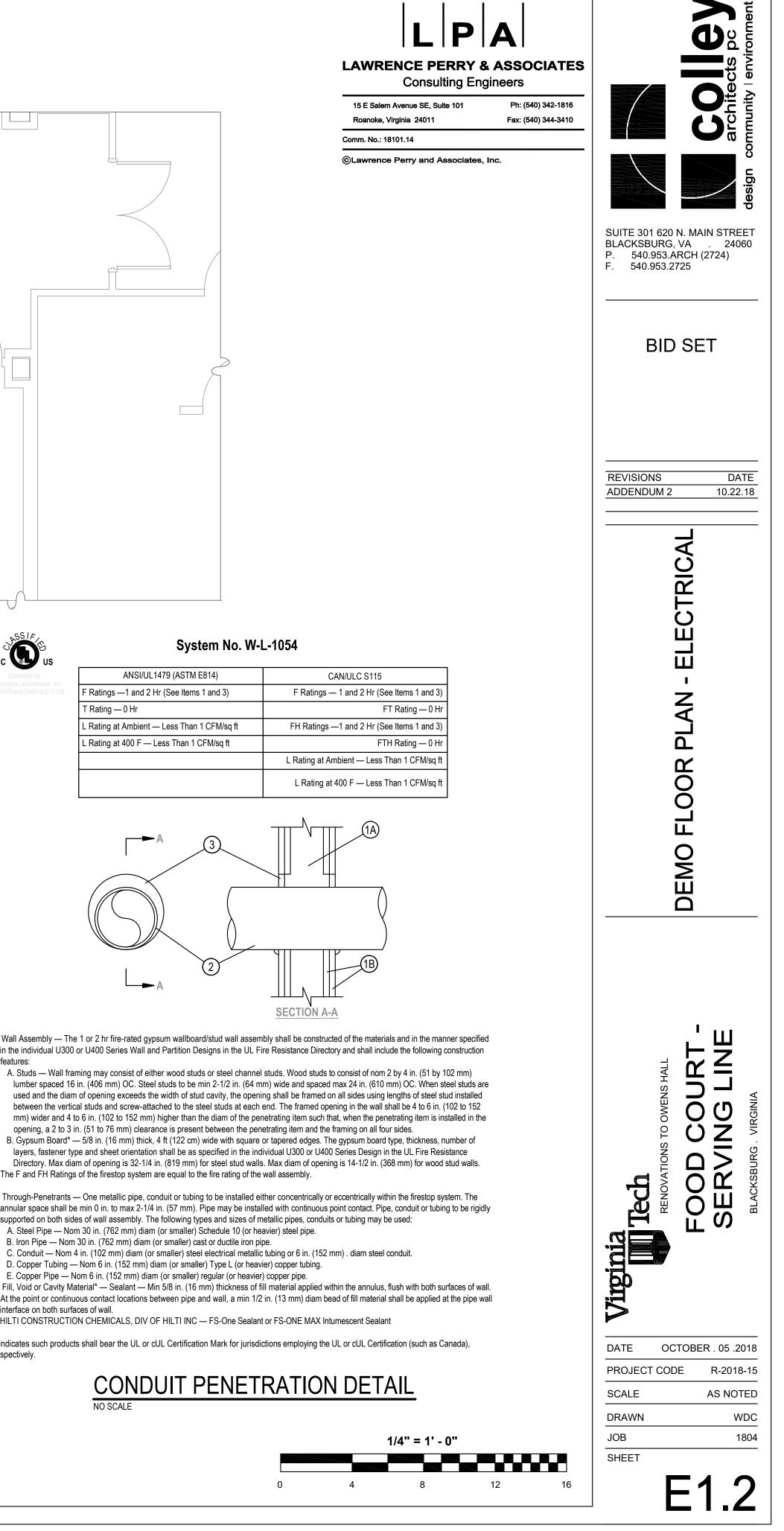
**GENERAL POWER DEMOLITION NOTE:** 

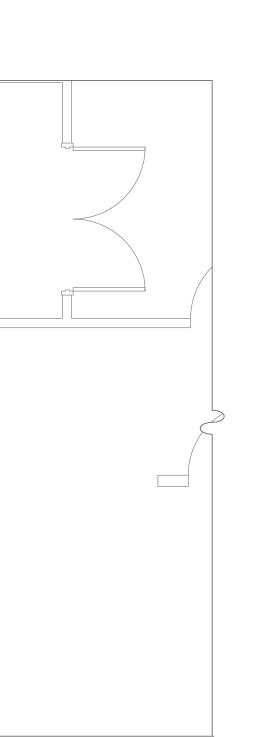
REMOVE ALL EXISTING DEVICES IN THE RENOVATION AREA. REMOVE ALL CONDUIT, OUTLET BOXES AND DEVICES NOT INDICATED TO BE REUSED.

features:

interface on both surfaces of wall.

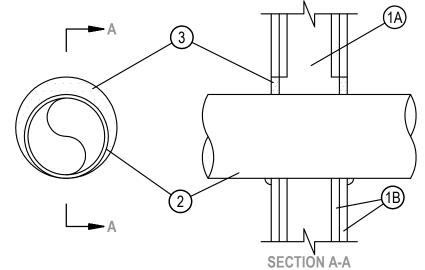
respectively.





## System No. W-L-1054

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
	L Rating at Ambient — Less Than 1 CFM/sq ft
	L Rating at 400 F — Less Than 1 CFM/sq ft



1. 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

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 mm) for wood stud walls. 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 used: 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.

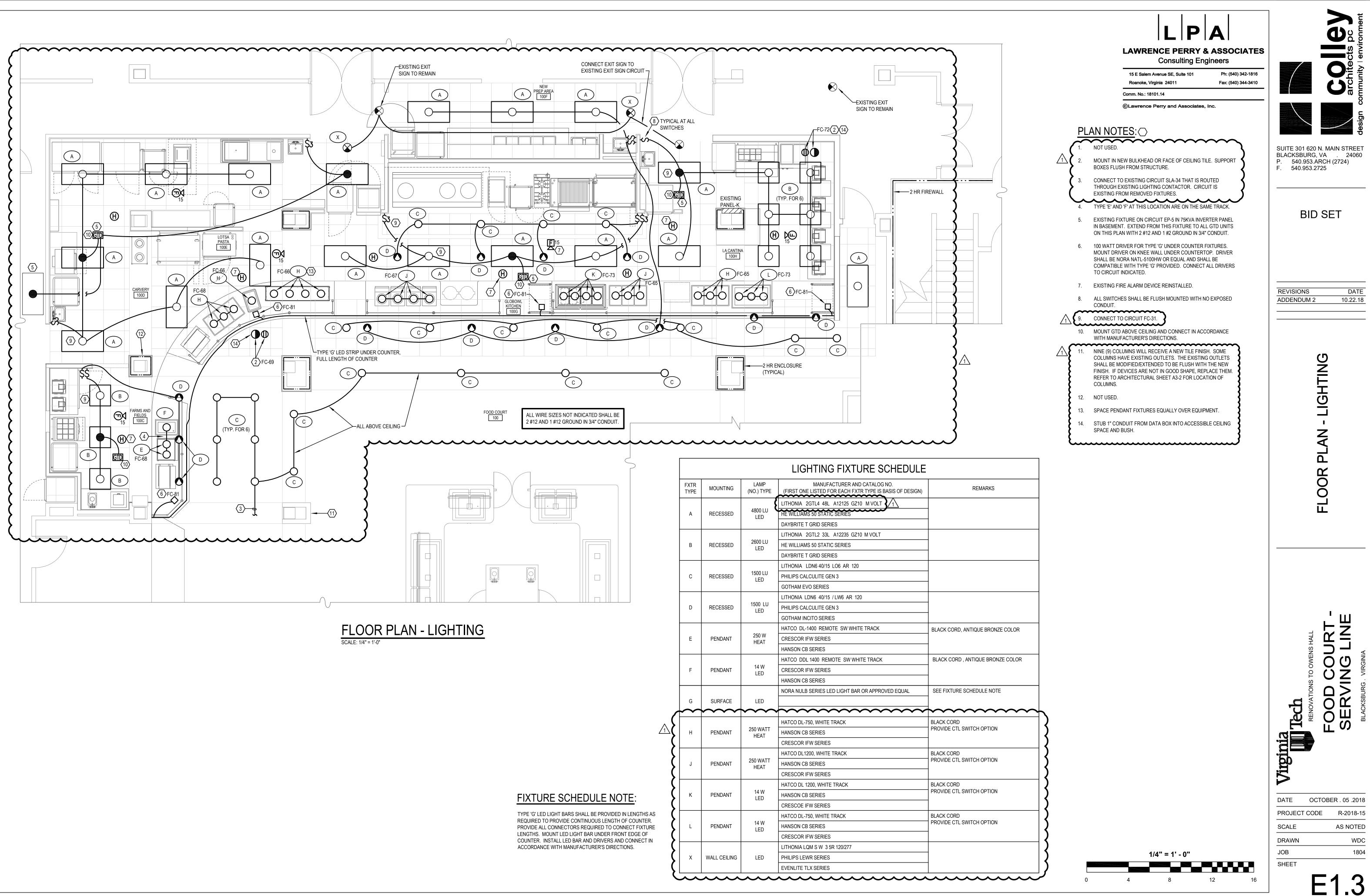
D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.

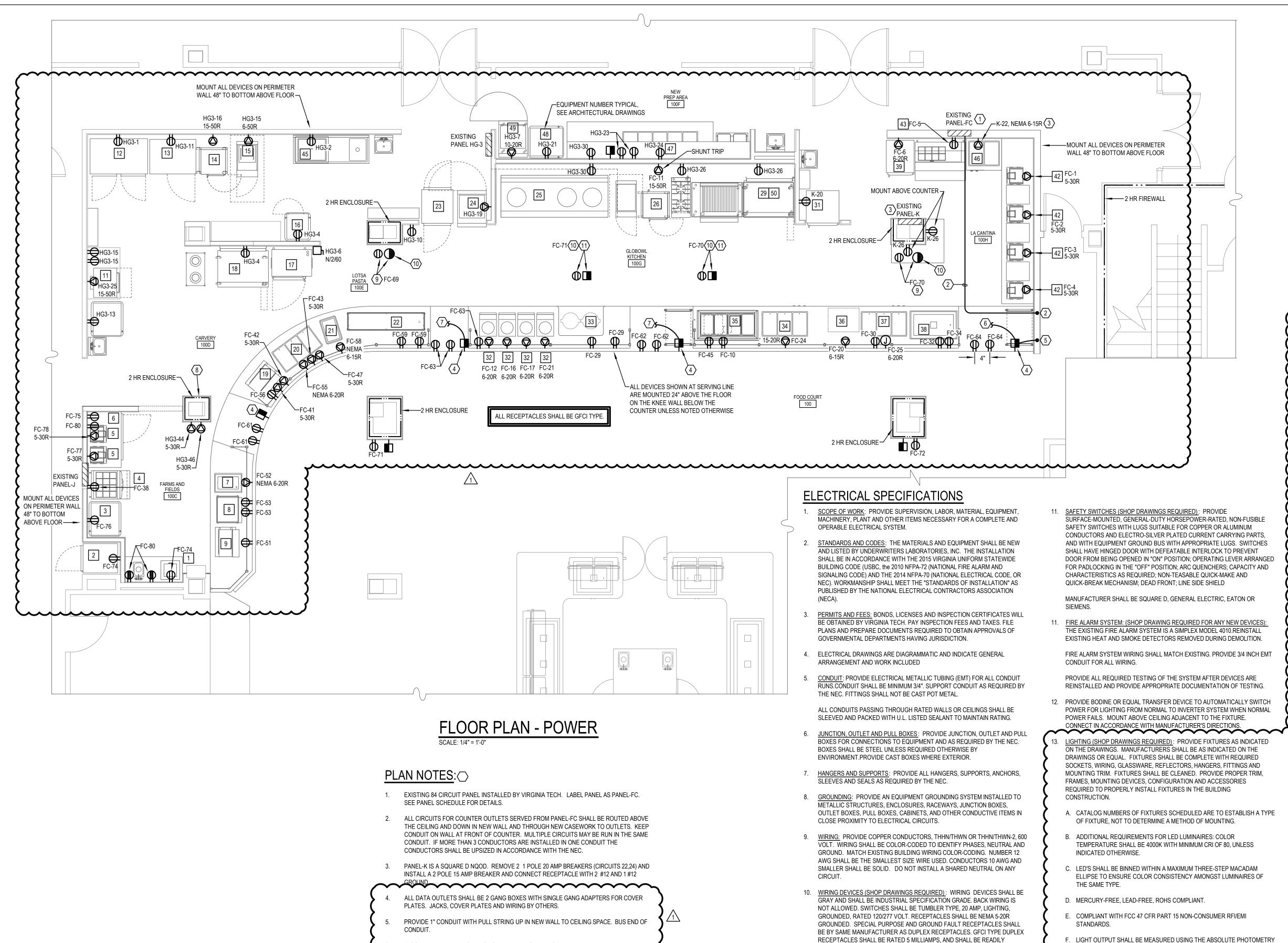
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe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

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

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

# CONDUIT PENETRATION DETAIL NO SCALE





- 1" CONDUIT WITH PULL STRING TO NEXT DATA OUTLET ON KNEE WALL.
- 7. 3/4" CONDUIT WITH PULL STRING TO NEXT DATA OUTLET ON KNEE WALL.
- EXISTING POWER OUTLETS FOR MONITOR IN COLUMN SHALL REMAIN. PROVIDE NEW RECEPTACLE AND COVER PLATE.

FLUSH MOUNT IN BOTTOM OF BULKHEAD.

11.

- 10. STUB 1" CONDUIT FROM DATA BOX INTO ACCESSIBLE CEILING SPACE AND BUSH. MOUNT IN NEW BULKHEAD OR FACE OF CEILING TILE. SUPPORT BOXES FLUSH FROM
- STRUCTURE.

- RECEPTACLES SHALL BE RATED 5 MILLIAMPS, AND SHALL BE READILY ACCESSIBLE WHERE REQUIRED BY NEC 210.8. WIRING DEVICE WALLPLATES SHALL BE SATIN STAINLESS STEEL AND SHALL BE BY SAME MANUFACTURER AS WIRING DEVICES.

PROVIDE A LABEL ON ALL SWITCHES AND RECEPTACLES INDICATING PANELBOARD AND CIRCUIT THAT FEEDS THE DEVICE.LABELS SHALL BE SELF-STICK AND SHALL BE MADE WITH A TAPE GUN WITH MINIMUM 3/16 INCH HIGH LETTERS IN RED ON A WHITE BACKGROUND.

WIRING DEVICE MANUFACTURER SHALL BE BRYANT, EATON ARROW/HART, HUBBELL, LEVITON OR PASS & SEYMOUR

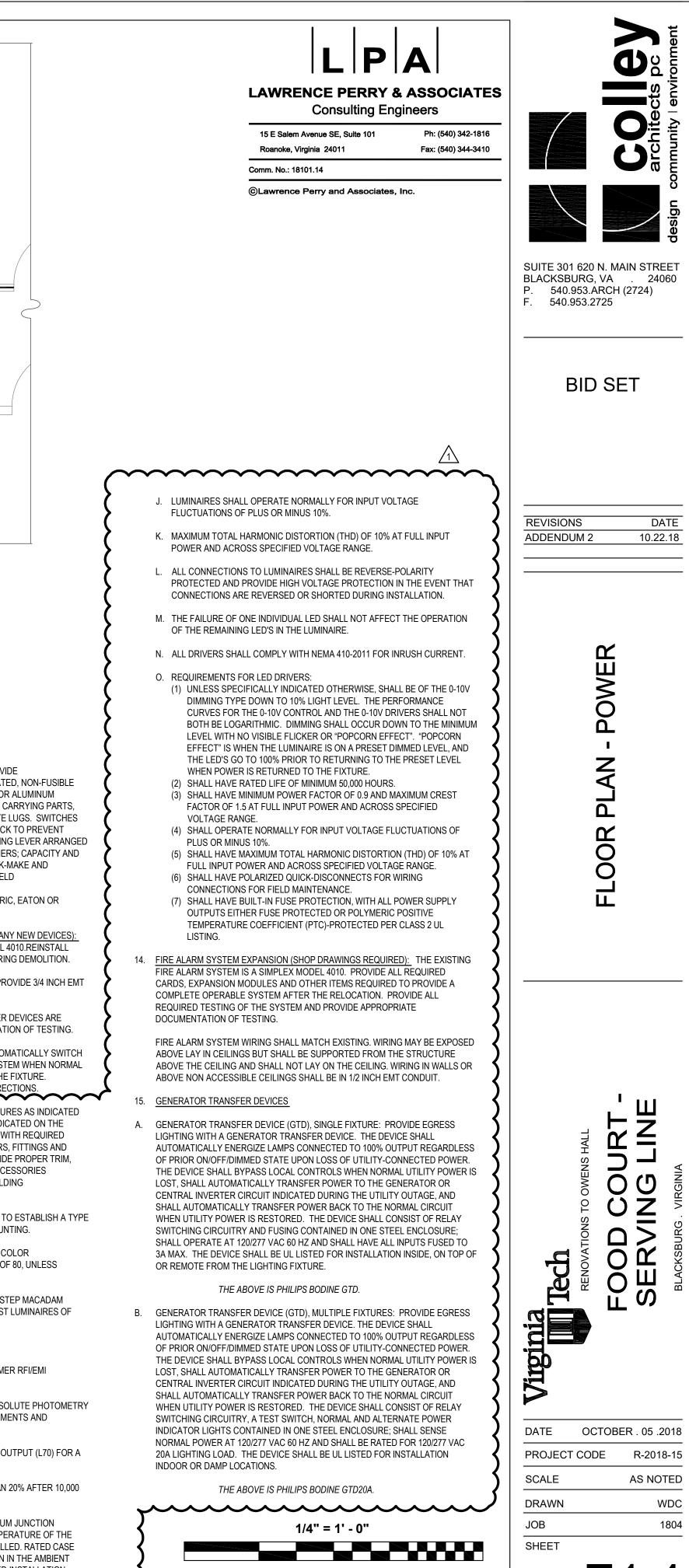
MANUFACTURER SHALL BE SQUARE D, GENERAL ELECTRIC, EATON OR

FIRE ALARM SYSTEM WIRING SHALL MATCH EXISTING. PROVIDE 3/4 INCH EMT

PROVIDE ALL REQUIRED TESTING OF THE SYSTEM AFTER DEVICES ARE REINSTALLED AND PROVIDE APPROPRIATE DOCUMENTATION OF TESTING.

- TEMPERATURE SHALL BE 4000K WITH MINIMUM CRI OF 80, UNLESS

- E. COMPLIANT WITH FCC 47 CFR PART 15 NON-CONSUMER RFI/EMI
- METHOD FOLLOWING IES LM-79 AND LM-80 REQUIREMENTS AND GUIDELINES.
- MINIMUM OF 50,000 HOURS.
- H. LUMEN OUTPUT SHALL NOT DEPRECIATE MORE THAN 20% AFTER 10,000 HOURS OF USE.
- I. THERMALLY DESIGNED TO NOT EXCEED THE MAXIMUM JUNCTION TEMPERATURE OF THE LED FOR THE AMBIENT TEMPERATURE OF THE LOCATION IN WHICH THE LUMINAIRE IS TO BE INSTALLED. RATED CASE TEMPERATURE SHALL BE SUITABLE FOR OPERATION IN THE AMBIENT TEMPERATURES TYPICALLY FOUND IN THE INTENDED INSTALLATION.



G. LUMINAIRES SHALL MAINTAIN AT LEAST 70% LUMEN OUTPUT (L70) FOR A

12 4 8 16