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				DIA. #	DIAMETER POUND OR NUMBER	F.O.F. F.S.
				ACP.	ACOUSTICAL CEILING PANEL	FIN. FL.
				ADJ. A.F.F.	ADJUSTABLE ABOVE FINISH FLOOR	FRT.
				AL. ARCH.	ALUMINUM ARCHITECTURAL	FT. G.A.
				BD. BLDG.	BOARD BUILDING	G.C. GL.
				BLK.	BLOCK	GYP.
				BLKG. BM.	BLOCKING BEAM	GWB H.M.
				BOT. CAB.	BOTTOM CABINET	HORIZ. HT.
				CER.	CERAMIC	HR.
				CLG. CLKG.	CEILING CAULKING	HVAC
				CLR. CMU.	CLEAR CONCRETE MASONRY UNIT	INSUL. JT.
				COL. CONC.	COLUMN	LAM LT.
				CONT.	CONTINUOUS	MAX.
				CPT. CT	CARPET CERAMIC TILE	MECH. MFR.
				DBL. DIA.	DOUBLE DIAMETER	MIN. MISC
				DIA. DIM. DN.	DIMENSION DOWN	MRB
				DR.	DOOR	MTL.
				DTL. DWG.	DETAIL DRAWING	N. N.I.C.
				E E EXIST.	EAST EXISTING	N.T.S. NO.
				E.P.	ELECTRICAL PANELBOARD	NOM.
				EA. E.C.	EACH ELECTRICAL CONTRACTOR	O.F.C.I.
				EJ. EL.	EXPANSION JOINT ELEVATION	O.H. OPNG.
				ELEC.	ELECTRICAL	

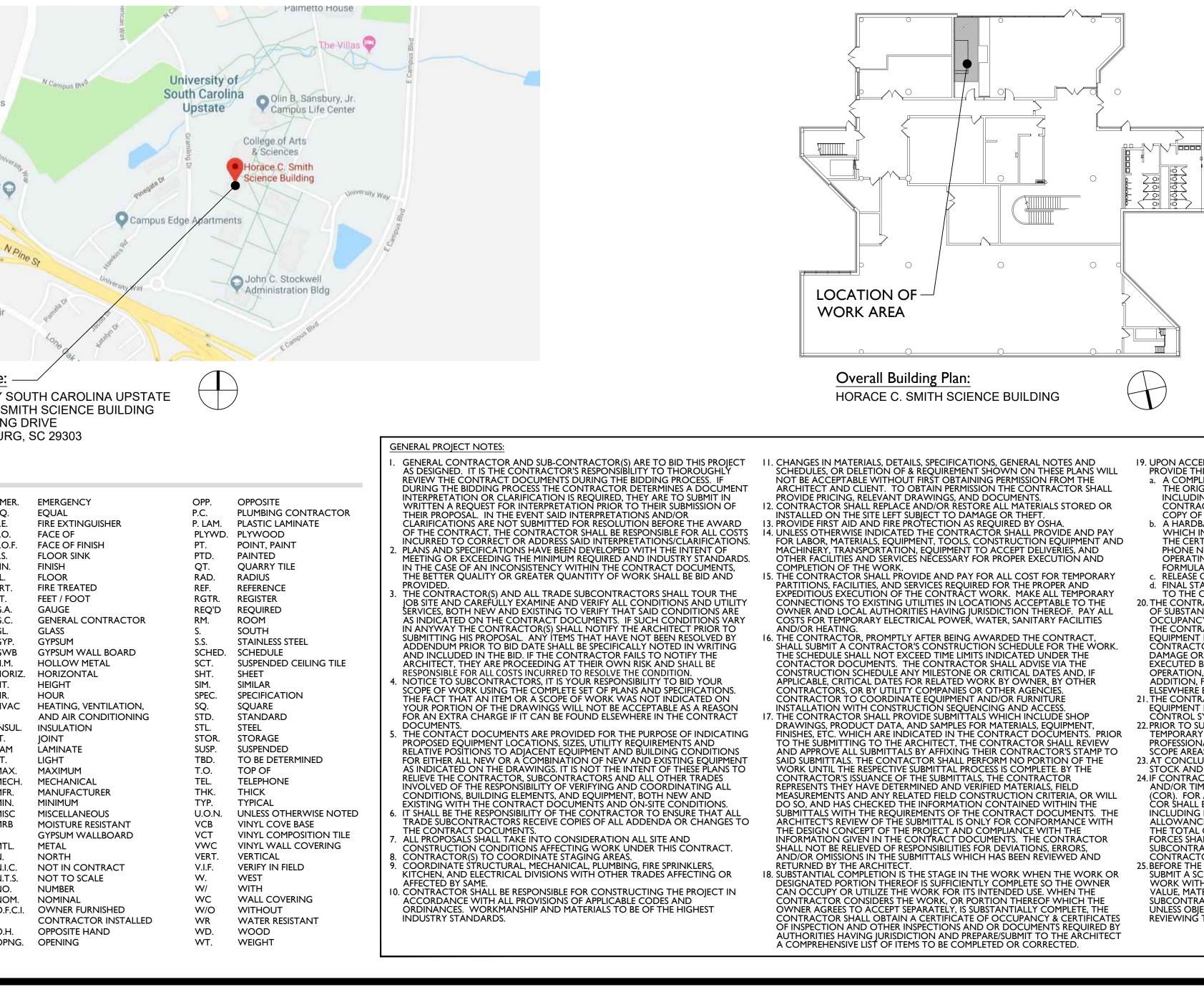
### Client:

University of South Carolina Upstate 800 University Way Spartanburg, SC 29303

#### Foodservice & Interior Design:

Xcelerated Concepts 325 Mill Street, Suite 101 Danville, PA 17821 570-275-6130

# UNIVERSITY OF SOUTH CAROLINA UPSTATE KITCHEN EXHAUST HOOD INSTALLATION AT THE HORACE C. SMITH SCIENCE BUILDING'S RETAIL FOOD COURT (WOW) 160 GRAMLING DRIVE, SPARTANBURG, SC 29303 AUGUST 9th, 2019 - ISSUED FOR BID



**Electrical Engineer:** 

Land Engineering Associates, LLC 262 Sandhurst Road, Suite 101 Columbia, SC 29210 803-528-1437

### Mechanical Engineer:

Swyegrt & Associates, LTD 1315 State Street Cayce, SC 29033 803-791-9300

- 19. UPON ACCEPTANCE OF SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING PROJECT CLOSEOUT DOCUMENTS:
   a. A COMPLETE SET OF AS-BUILT DRAWING THAT REFLECT ANY CHANGES TO THE ORIGINAL DRAWINGS AND FINISH/MATERIAL SPECIFICATION INCLUDING ADDENDA ITEMS AND CHANGE ORDER MODIFICATIONS. CONTRACTOR TO PROVIDE AN ELECTRONIC SCANNED COPY AND PAPER
- COPY OF THE AS-BUILTS. A HARDBACK BINDER WHICH IS INDEXED, LABELED, AND DIVIDERS FOR WHICH INCLUDES COPIES OF PERMITS, AGENCY OR INSPECTION APPROVALS THE CERTIFICATE OF OCCUPANCY, A LIST OF SUB-CONTRACTOR AND THEIR PHONE NUMBERS. REVIEWED SHOP DRAWINGS. ALL WARRANTIES. AND OPERATING AND MAINTENANCE MANUALS. PROVIDE PAINT COLORS AND ORMULAS OF ALL PAINTS.
- RELEASE OF LIENS AND ENCUMBRANCES OR ALTERNATE EVIDENCES. FINAL STATEMENT OF ACCOUNTING WHICH REFLECTS ANY ADJUSTMENTS TO THE CONTRACT SUM.
- D. THE CONTRACT SUM. D. THE CONTRACTOR WARRANTS FOR A PERIOD OF ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION OR THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY THAT WORK, MATERIALS, AND EQUIPMENT PROVIDED UNDER THE CONTRACT WILL BE FREE FROM DEFECTS. WORK, MATERIALS, AND QUIPMENT FOUND TO BE DEFECTIVE SHALL BE CORRECTED PROMPTLY BY THE CONTRACTOR. THE CONTRACTOR'S WARRANTY EXCLUDES REMEDY FOR DAMAGE OR DEFECT CAUSED BY ABUSE AND/OR MODIFICATIONS NOT EXECUTED BY THE CONTRACTOR, IMPROPER MAINTENANCE, IMPROPER OPERATION, OR NORMAL WEAR AND TEAR. THE CONTRACTOR SHALL, IN ADDITION, FURNISH AND FULFILL ALL SPECIAL/SPECIFIC WARRANTIES RÉQUIRED ELSEWHERE BY THE CONTRACT DRAWINGS AND SPECIFICATIONS. 21. THE CONTRACTOR SHALL PROVIDE OWNER TRAINING FOR ALL SPECIALIZED EQUIPMENT REVIEWING EMERGENCY PROVISIONS AND PROPER USE OF
- CONTROL SYSTEMS, OPERATIONS, AND REQUIRED MAINTENANCE.
- CONTROL SYSTEMS, OPERATIONS, AND REQUIRED MAINTENANCE.
  22. PRIOR TO SUBSTANTIAL COMPLETION THE CONTRACTOR SHALL REMOVE ALL TEMPORARY PROTECTION, DISPOSE OF REMAINING DEBRIS AND HIRE A PROFESSIONAL CLEANING COMPANY TO FULLY SANITIZE AND CLEAN ALL SCOPE AREAS LEAVING THE PROJECT READY FOR OCCUPANCY.
  23. AT CONCLUSION OF PROJECT PROVIDE 10% OF ALL FINISH MATERIALS AS ATTIC STOCK AND DELIVER TO THE OWNER.
  24. IF CONTRACTOR WISHES TO MAKE A CLAIM FOR AN INCREASE IN COST AND/OR TIME, THE CONTACTOR SHALL SUBMIT A CHANGE ORDER REQUEST (COR) FOR ANY CONTACTOR CLAIM REQUESTING ADDITIONAL COST. THE
- (COR). FOR ANY CONTACTOR CLAIM REQUESTING ADDITIONAL COST COR SHALL BE ACCOMPANIED BY A COMPLETE ITEMIZATION OF COSTS INCLUDING LABOR, MATERIALS, EQUIPMENT AND/OR SUBCONTRACTS. THE ALLOWANCE FOR THE COMBINED OVERHEAD AND PROFIT (0&P) INCLUDED IN THE TOTAL COST FOR WORK PERFORMED BY THE CONTRACTOR'S OWN ORCES SHALL BE 15%. FOR WORK PERFORMED BY A SUBCONTRACTOR, THE SUBCONTRACTOR IS PERMITTED A COMBINED 15% O&P AND THE CONTRACTOR IS PERMITTED 5% OF THE AMOUNT DUE THE SUBCONTRACTOR. 25. BEFORE THE FIRST APPLICATION FOR PAYMENT, THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF VALUES ALLOCATED TO VARIOUS PORTIONS OF THE
- WORK WITHIN TEN DAYS AFTER AWARD OF CONTRACT. LIST INSTALLED VALUE, MATERIAL AND LABOR, OF EACH MAJOR ITEM OF WORK AND EACH SUBCONTRACTED ITEM OF WORK AS A SEPÁRATE LINE ITEMS. THIS SCHEDULE, UNLESS OBJECTED BY THE ARCHITECT, SHALL BE USED AS A BASIS FOR REVIEWING THE CONTRACTOR'S APPLICATION FOR PAYMENT.

### **Project Management:**

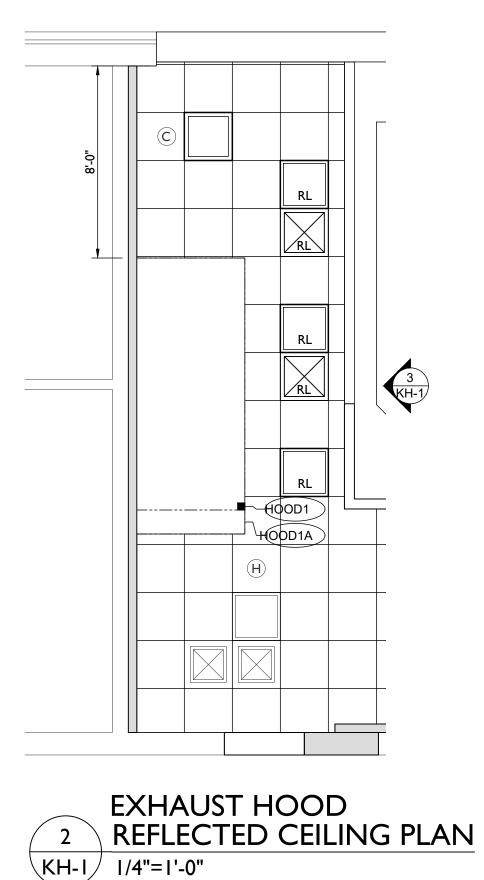
**Xcelerated Concepts** 325 Mill Street, Suite 101 Danville, PA 17821 Phone: 570-275-6130

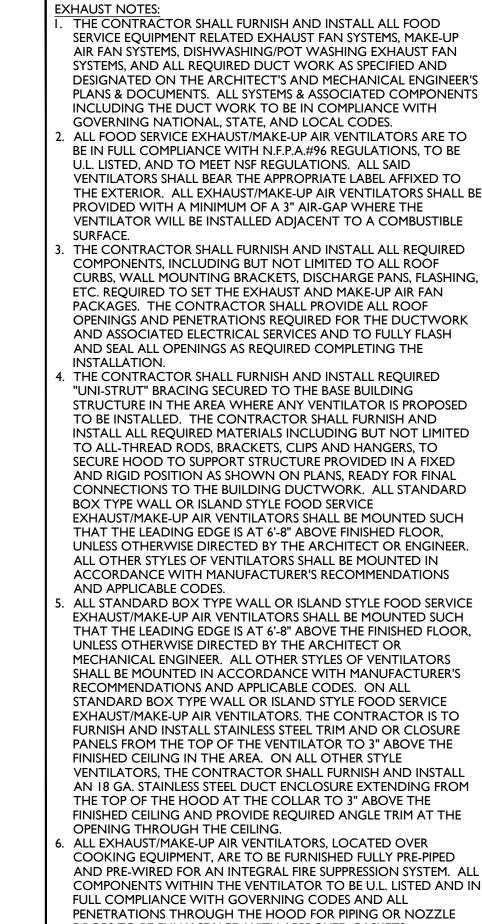
DEMOLITION WORK LEGEND		REFLECTED CEILING PLAN L	EGEND FOR HOOD PACKAGE
	EXISTING CONSTRUCTION TO BE REMOVED		AS PART OF THE NEW EXHAUST HOOD PROJECT, EXISTING CEILING TILE & GRID, REMOVE / RECONFIGUR AS REQUIRED FOR THE INSTALLATION OF THE NEW EXHAUST HOOD, ASSOCIATED DUCTWORK, UTILITIES,
	EXISTING CONSTRUCTION TO REMAIN		ETC. RECONFIGURATION OF THE EXISTING GRID AROUND THE NEW HOOD IS PART OF THE HOOD PACKAGE WORK.
	CONTRACT LIMIT LINE		AS PART OF THE NEW EXHAUST HOOD PROJECT, EXISTING HVAC DIFFUSER TO BE RELOCATED, EXTEND DUCTWORK AS REQUIRED. CONTRACTOR TO
GENERAL DEMOLITION NOTES			THOROUGHLY CLEAN EXISTING GRILL. COORDINATE WITH 2/KH-I FOR NEW LOCATION & THE ENGINEERIN DWGS. FOR ADDITIONAL INFORMATION.
I. THE TERM "REMOVE" SHALL MEAN AND DISPOSE OF PROPERLY AND I ACCORDING TO STATE AND FEDE CONTRACTOR TO SUBMIT PAPERV REMOVED OBJECTS WHERE PROPE DISPOSED OF ACCORDING TO STA REGULATIONS.	LEGALLY RAL REGULATIONS. VORK INDICATING RLY AND LEGALLY ATE AND FEDERAL		EXIST'G LIGHT FIXTURE TO BE DEMO'ED OR RELOCATE ("RL") AS PART OF DINING ROOM RENOVATION PROJECT. COORDINATE SCHEDULING OF THE DEMOLITION / RELOCATION WITH THE GENERAL CONTRACTOR UNDER SEPARATE OWNER CONTRACT EXISTING CEILING DEVICE; SECURITY CAMERA ("C") HEAT / SMOKE DETECTOR ("H"), TO BE TEMPORARILY
2. THE GENERAL CONTRACTOR TO VERIFY WIT REPRESENTATIVE REGARDING DISPOSITION O ITEMS REMOVED WILL BE SALVAGED FOR REUS DISPOSED OF OFF SITE BY THE CONTRACTOR	F EXISTING EQUIPMENT. SE AS NOTED OR LEGALLY	Ć H	REMOVED OR RELOCATED AS PART OF DINING ROOM RENOVATION PROJECT. COORDINATE SCHEDULING C THIS WORK WITH THE GENERAL CONTRACTOR
	SE AS NOTED OR LEGALLY TEMPORARY INSULATED O SEPARATE AREAS S ARE PERFORMED. ITIONS WITH DUST-PROOF FOR ARCHITECT AND NTRACTOR IS RESPONSIBLE D EQUIPMENT. SIONS AND CONDITIONS DISTION OF ALL WALLS CONSULTANT PRIOR TO AINTAINING CONTINUOUS DING NOT AFFECTED BY QUIRED TO PERFORM THE ORK OR ANY ASSOCIATED VE CONSULTANT, HE UNIVERSITY FACILITIES , PLUMBING/FIRE NCOUNTERED, THAT ARE NCE OF BEING IN USE, RUCTIONS BEFORE BOR AND MATERIALS DN OF WALLS, FLOORS HOWN ON THE UD FINISHES FOR PATCHES ERIALS IN THE AREA. IN ERRORS, OMISSIONS OR NTS THAT HAVE NOT BEEN WORK BEING INSTALLED, DSUPPORT TO PREVENT TRUCTURE OR ELEMENT ES TO REMAIN. ING DEMOLITION, (NOT INISHED SURFACES IN AND LOCAL CODES. PINISHED SIMILAR TO THE DS WHICH SHALL HALL PROVIDE PROPER CHING. N BY HAMMERING OR 1 SIZES REQUIRED. DR THE COORDINATION IG AND PATCHING IMIZE THE NUMBER OF IN COMMON TRENCHES. INISHED SIMILAR TO THE DS WHICH SHALL HALL PROVIDE PROPER CHING. N BY HAMMERING OR 1 SIZES REQUIRED. DR THE COORDINATION IG AND PATCHING IMIZE THE NUMBER OF IN COMMON TRENCHES. INISHED SIMILAR TO THE DS WHICH SHALL HALL PROVIDE PROPER CHING. N BY HAMMERING OR 1 SIZES REQUIRED. DR THE COORDINATION IG AND PATCHING IMIZE THE NUMBER OF IN COMMON TRENCHES. INISHED SIMILAR TO THE DS WHICH SHALL HELTILTY IS PERLY CUT AND PATCH EXPOSED TO WEATHER NOT REDUCED. G AND PATCHING ARE F SURFACE, OR WHERE NO CIFIED, REFINISH ENTIRE VEN / LEVEL FINISH TO CUT AND PATCHER RACTERISTICS AND VAPOR NOT REDUCED. G AND PATCHING ARE F SURFACE, OR WHERE NO CIFIED, REFINISH ENTIRE VEN / LEVEL FINISH TO CUT AND PATCHER IS BY PAINTING OR OTHER NOT REDUCED. G AND PATCHING AND LLATION OF FINISH, THEN		

#### NOTE:

THE OWNER WILL AWARD A SEPARATE CONTRACT FOR THE RENOVATION OF THE CURRENT RETAIL SPACE WHICH SHALL INCLUDE DEMOLITION, NEW MILLWORK, EQUIPMENT, CEILING TILE, AND FINISHES. THIS WORK SHALL RUN CONCURRENT WITH THE NEW EXHAUST HOOD INSTALLATION PROJECT AS DOCUMENTED HEREIN. THE CONTRACTOR SHALL INCLUDE IN HIS BID AN AMOUNT SUFFICIENT TO COVER HIS COST OF FURNISHING NECESSARY ADMINISTRATIVE AND SUPERVISORY FORCES TO COORDINATE HIS OWN WORK AND THAT OF THE OWNER'S FORCES.

		E	XHAUST HOOD E	EQI	JI	PMEI	NT S	CHE	ED	ULE	-
ltem No	Qty	Equipment Category	Equipment Remarks	Volts	Phase	Amps	XX	Ч	Direct	Plug	
HOOD1	I	Exhaust Hood	Refer to M-2 thru M-5 Drawings	*	*	*			X		
HOOD1A	I	Exhaust Hood ANSUL System	Refer to M-2 thru M-5 Drawings								



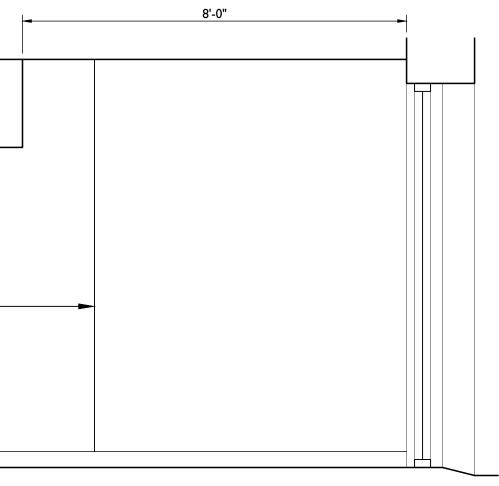


-	BOTTOM OF CEILING TO MATCH EXIST'G ±8'-6" V.I.F.	NEW EXHAUST HOOD
		STAINLESS STEEL WALL PANEL PROVIDED UNDER NEW EXHAUST HOOD





C	Xcelerated Concepts LLC	2019



AN 18 GA. STAINLESS STEEL DUCT ENCLOSURE EXTENDING FROM THE TOP OF THE HOOD AT THE COLLAR TO 3" ABOVE THE FINISHED CEILING AND PROVIDE REQUIRED ANGLE TRIM AT THE OPENING THROUGH THE CEILING. ALL EXHAUST/MAKE-UP AIR VENTILATORS, LOCATED OVER COOKING EQUIPMENT, ARE TO BE FURNISHED FULLY PRE-PIPED AND PRE-WIRED FOR AN INTEGRAL FIRE SUPPRESSION SYSTEM. ALL COMPONENTS WITHIN THE VENTILATOR TO BE U.L. LISTED AND IN FULL COMPLIANCE WITH GOVERNING CODES AND ALL PENETRATIONS THROUGH THE HOOD FOR PIPING OR NOZZLE DROPS TO BE FULLY SEALED WITH APPROVED GASKETS.									
	-	8'-0"							

NS AIND APPLICABLE CODES. OIN ALL
(PE WALL OR ISLAND STYLE FOOD SERVICE
AIR VENTILATORS. THE CONTRACTOR IS TO
ALL STAINLESS STEEL TRIM AND OR CLOSURE
TOP OF THE VENTILATOR TO 3" ABOVE THE
N THE AREA. ON ALL OTHER STYLE
CONTRACTOR SHALL FURNISH AND INSTALL
SS STEEL DUCT ENCLOSURE EXTENDING FROM
OOD AT THE COLLAR TO 3" ABOVE THE

ON AS SHOWN ON PLANS, READY FOR FINAL
THE BUILDING DUCTWORK. ALL STANDARD
r island style food service
AIR VENTILATORS SHALL BE MOUNTED SUCH
G EDGE IS AT 6'-8" ABOVE FINISHED FLOOR,
E DIRECTED BY THE ARCHITECT OR ENGINEER.
OF VENTILATORS SHALL BE MOUNTED IN
TH MANUFACTURER'S RECOMMENDATIONS
CODES.
)X TYPE WALL OR ISLAND STYLE FOOD SERVICE

SHALL FURNISH AND INSTALL REQUIRED
NG SECURED TO THE BASE BUILDING
AREA WHERE ANY VENTILATOR IS PROPOSED
THE CONTRACTOR SHALL FURNISH AND
RED MATERIALS INCLUDING BUT NOT LIMITED
DDS, BRACKETS, CLIPS AND HANGERS, TO
SUPPORT STRUCTURE PROVIDED IN A FIXED
N AS SHOWN ON PLANS, READY FOR FINAL

BE INSTALLED ADJACENT TO A COMBUST	IBLE
SHALL FURNISH AND INSTALL ALL REQU LUDING BUT NOT LIMITED TO ALL ROOF NTING BRACKETS, DISCHARGE PANS, FLA SET THE EXHAUST AND MAKE-UP AIR FAI ONTRACTOR SHALL PROVIDE ALL ROOF IETRATIONS REQUIRED FOR THE DUCTV ELECTRICAL SERVICES AND TO FULLY FLA NINGS AS REQUIRED COMPLETING THE	: SHIN( N VORK

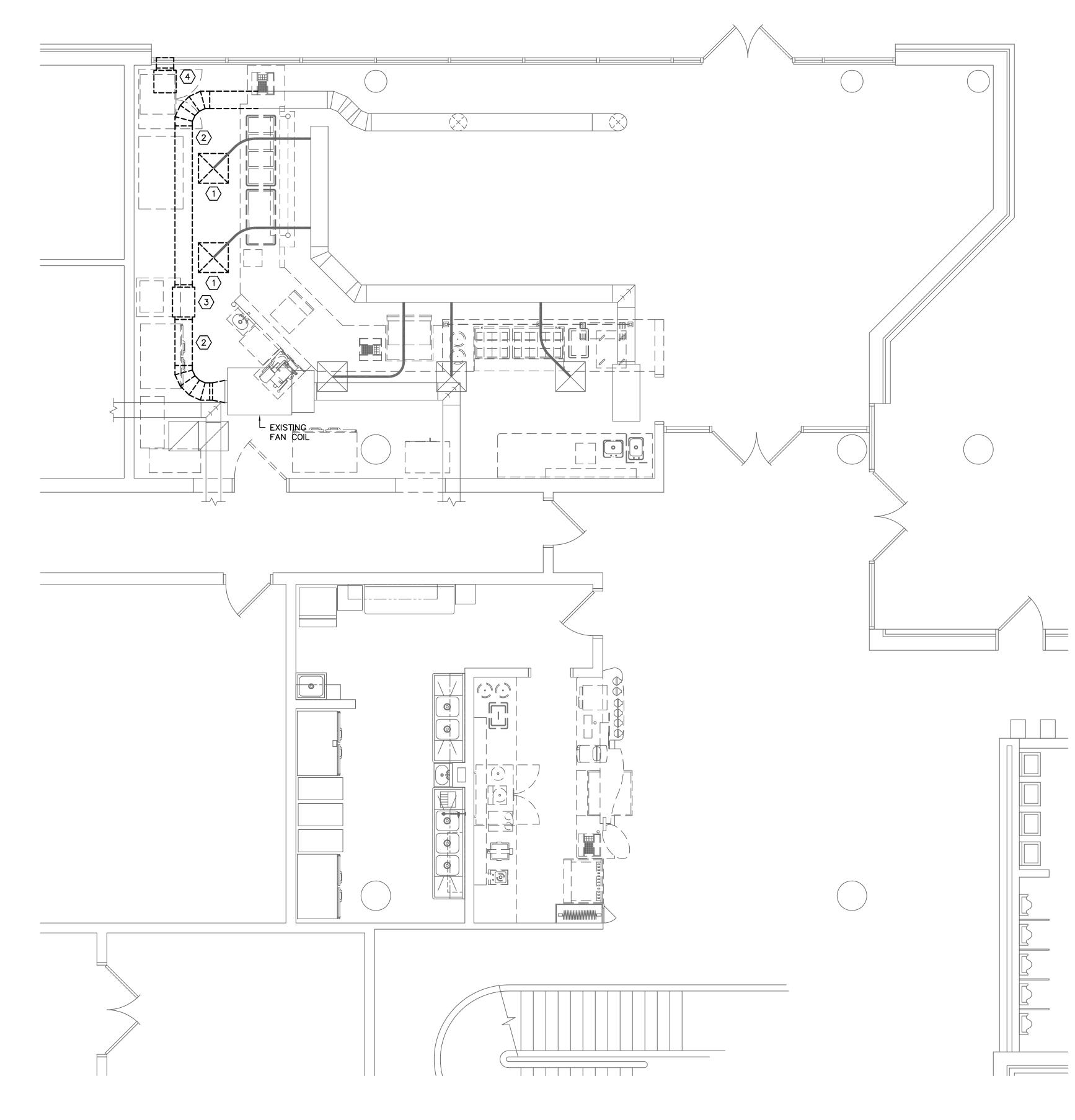
THE CONTRACTOR SHALL FURNISH AND INSTALL ALL FOOD SERVICE EQUIPMENT RELATED EXHAUST FAN SYSTEMS, MAKE-UP AIR FAN SYSTEMS, DISHWASHING/POT WASHING EXHAUST FAN SYSTEMS, AND ALL REQUIRED DUCT WORK AS SPECIFIED AND DESIGNATED ON THE ARCHITECT'S AND MECHANICAL ENGINEER'S PLANS & DOCUMENTS. ALL SYSTEMS & ASSOCIATED COMPONENTS INCLUDING THE DUCT WORK TO BE IN COMPLIANCE WITH GOVERNING NATIONAL, STATE, AND LOCAL CODES. 2. ALL FOOD SERVICE EXHAUST/MAKE-UP AIR VENTILATORS ARE TO BE IN FULL COMPLIANCE WITH N.F.P.A.#96 REGULATIONS, TO BE U.L. LISTED, AND TO MEET NSF REGULATIONS. ALL SAID

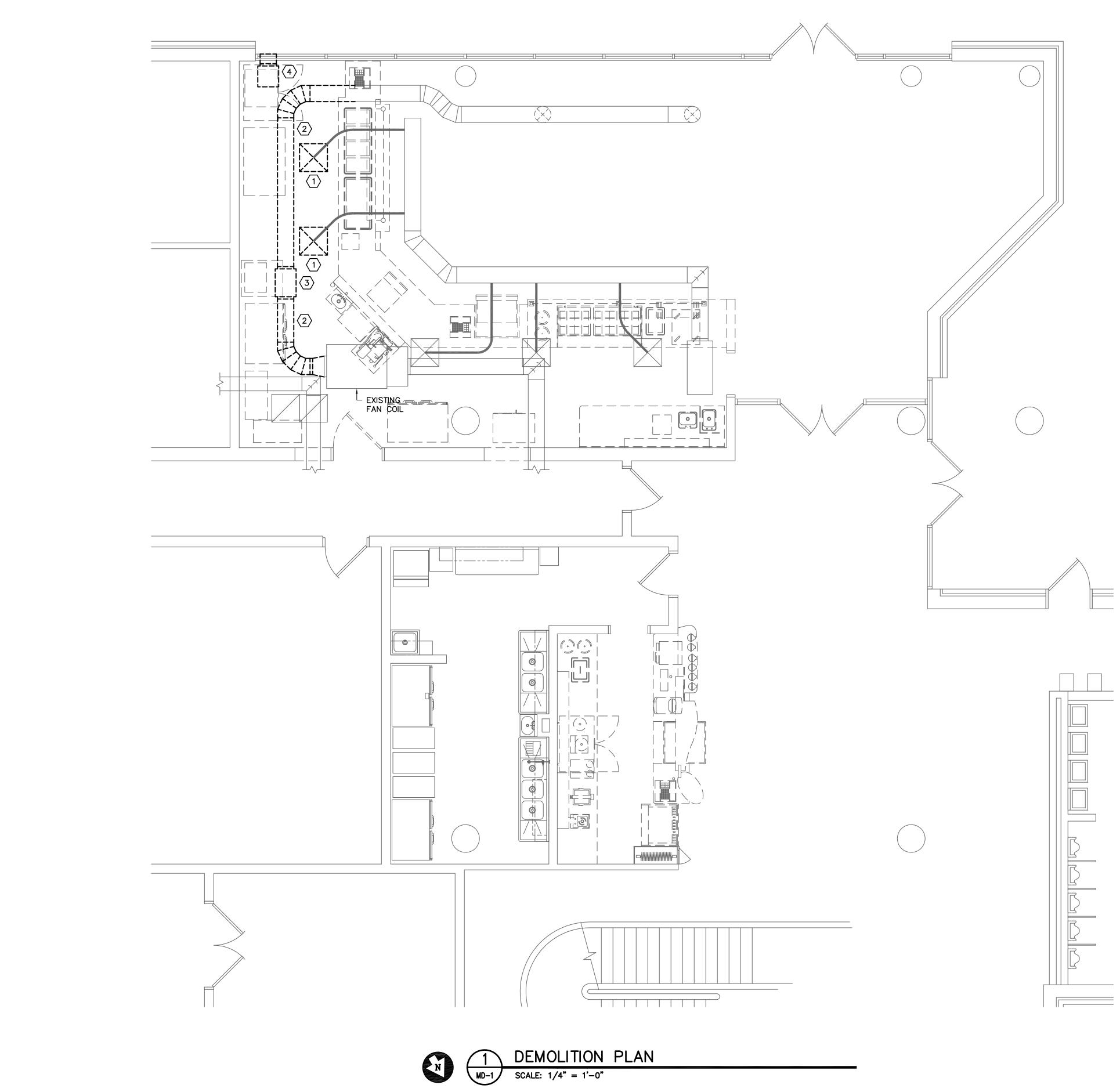
Direct NEMA Plug ЧЧ X

AFF (in) AFF (in) Bectrical Bemarks

CLG \*Refer to M-2 thru M-5 Drawings

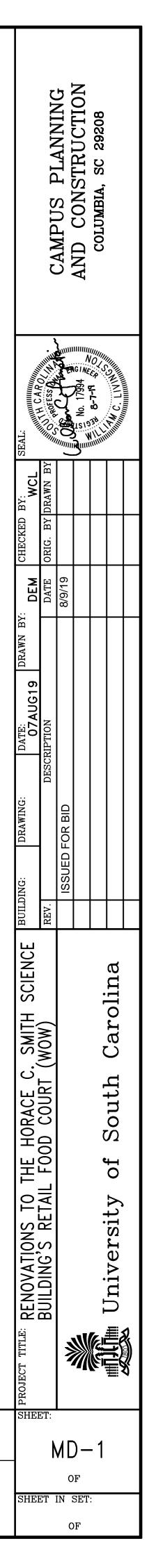
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	<u> </u>	C	$\mathbf{X}$ celerated Concepts	
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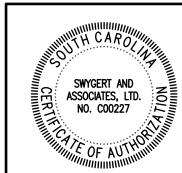




### DEMOLITION NOTES

- 1 RELOCATE EXISTING CEILING DIFFUSER AS SHOWN ON RENOVATION PLAN.
- $\langle 2 \rangle$  SHIFT EXISTING SUPPLY DUCT TO COORDINATE WITH NEW HOOD AND DUCTS.
- $\langle 3 \rangle$  relocate existing duct heater to coordinate with NeW hood and ducts.
- $\langle 4 \rangle$  REMOVE EXISTING EXHAUST FAN AND LOUVER.

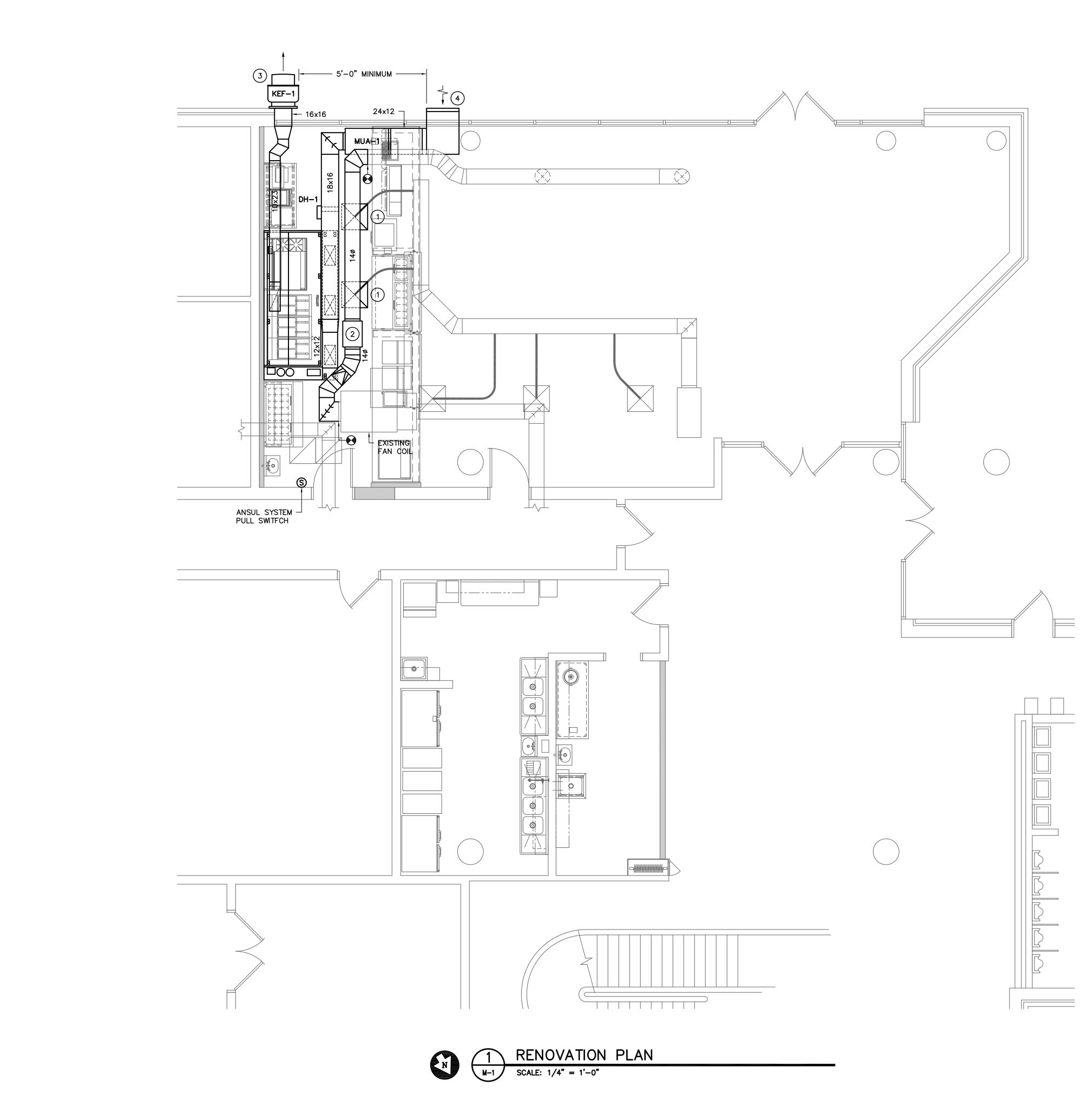




Swygert & Associates

CONSULTING ENGINEERS

DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300 Post Office Box 11686 Facsimile: (803) 791-0830 Columbia, S.C. 29211 mail@swygert-associates.com



#### NOTES TO SHEET

1 RELOCATE EXISTING DIFFUSER AS SHOWN. 2 RELOCATE EXISTING DUCT HEATER AS SHOWN.  $\bigcirc$  WITH DARK BRONZE FINISH. INSTALL MINIMUM 10'-0" ABOVE FINISHED GRADE.

4 30"x24" ALUMINUM INTAKE LOUVER WITH BIRDSCREEN. DARK BRONZE ANODIZED FINISH.

CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208 N N DEM 07AUG19 SCIENCE Carolina RENOVATIONS TO THE HORACE C. SMITH BUILDING'S RETAIL FOOD COURT (WOW) South of University SHEET: M - 1OF SHEET IN SET:

OF



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\PROJECTS\19335\DRAWINGS\PLUM\19335-M2.dwg

MAKE-UP AIR FAN SCHEDULE									
TAG	GREENHECK MODEL NO.	TYPE	CFM	ESP	MOTOR H.P./W.	SONES (MAX.)	REMARKS		
MUA-1	BCF-110-7	INLINE	1920	0.5	3/4 HP	11.7	1, 2, 3		
<ol> <li>PROVIDE CENTRIFUGAL INLINE BELT DRIVE FAN WITH DISCONNECT SWITCH, SPEED CONTROL, AND FLAT FILTER BOX.</li> <li>INTERLOCK WITH HOOD SWITCH BY ELECTRICAL CONTRACTOR.</li> </ol>									

3. PROVIDE WITH CONTROL CENTER TO INTERLOCK WITH HOOD AND DISCHARGE TEMPERATURE CONTROL FOR ELECTRIC DUCT HEATER.

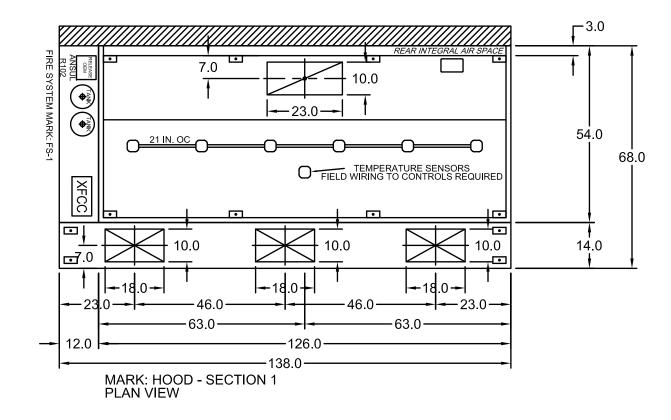
ELECTRIC DUCT HEATER SCHEDULE							
TAG	GREENHECK MODEL	KW	SIZE	REMARKS			
DH-1	IDHE	20	16"x16"	1			
1. PROVIDE DUCT HEATER WITH CONTROL TRANSFORMER, 2 STAGE HEATING, AIRFLOW SWITCH, DISCONNECT, AND POWER FUSE.							

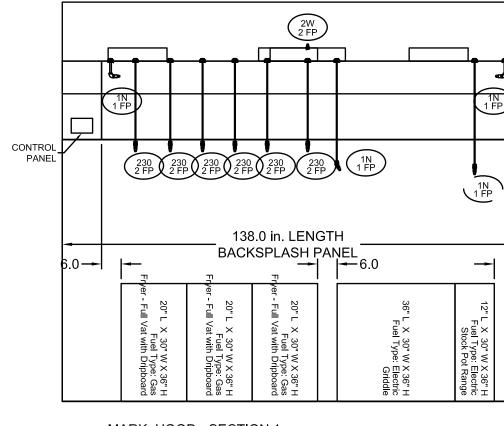
		GENERAL NO	TES		<b>⊳</b> 7
1.	MECHANICAL CODI	BE IN ACCORDANCE WITH THE E, 2009 INTERNATIONAL ENERG AC DUCT CONSTRUCTION STAN ILL APPLY.	Y CONSERVATION CODE, AND		LAININING STRUCTION A, SC 29208
2.		TO BIDDING. THIS CONTRACTOR D REFLECT THIS IN HIS BIDDING	SHALL DETERMINE DIFFICULTY OF		SC SC
3.		RAWINGS. SEE ARCHITECTURAL DR EXACT LOCATIONS OF DOOR	DRAWINGS AND REFLECTED S, WINDOWS, AIR DISTRIBUTION,		AND CONS columbia,
4.	DO NOT SCALE DI AND LOCATIONS I		HALL VERIFY ALL EXISTING ITEMS		D (COLI
5.		DUCTWORK LOCATIONS SHALL B ISIONS OF THE SPECIFICATIONS			AN
6.	OF NEW SYSTEMS		INTERFERES WITH THE ROUTING CONTRACTOR SHALL INCLUDE THE RWISE.		
			TINUOUSLY THROUGH PARTITIONS.	ه الالار.	
	TURNING VANES S		JCTWORK ELBOWS AND CHANGES	Renting Street	ENGINEER SO
10.	KITCHEN HOOD EX FOOT MINIMUM BA PROVIDED AT ALL		DED AND SLOPED 1/4–INCH PER EANOUT ACCESS DOORS SHALL BE SHALL BE WRAPPED WITH	EAL: EAL: CA	
11.	PROVIDE FOR ACC PER MANUFACTUR	ESS TO ALL EQUIPMENT REQUI	RING CLEANING OR ADJUSTMENT FULL SPACE FOR COIL REMOVAL	BY: WCL DRAWN BY	
12.	THIS CONTRACTOR	SHALL PROVIDE ALL ITEMS OF STALLATION OF ALL MECHANICA		KED BY	
13.	REMOVAL AND RE	PLACEMENT OF CEILING, AS RE BE DONE BY GENERAL CONTR	QUIRED FOR INSTALLATION OF	CHECKED CHECKED E ORIG. BY	<u></u>
14.	POWER WIRING. AI CODE. CONTROL W WIRING SHALL BE CONNECTIONS SHA	VIRING SHALL BE CONCEALED W ROUTED IN EMT CONDUIT. POW	DANCE WITH NATIONAL ELECTRIC WITHIN WALL AND ALL CONTROL VER WIRING AND FIRE ALARM OL WIRING FOR UNIT SHUTDOWN	DRAWN BY: DEM DATE	8/9/1
15.	THIS CONTRACTOR EQUIPMENT TO BE		ANY NECESSARY DISMANTLING OF	<b>9</b> DR	
16.		INDER THIS CONTRACT SHALL E SHALL BE DISPOSED OF PROF	BECOME THE PROPERTY OF THE PERLY.	AUG15	
17.		SHALL PATCH ALL WALLS AN OR EQUIPMENT ARE REMOVED.	D FINISHES TO MATCH EXISTING	DATE: 07A IPTION	
	SYSTEMS FROM C CONSTRUCTION DU PERFORMED AS R RETURN GRILLES EQUIPMENT.	ONSTRUCTION DEBRIS, DUST AN JRATION. DUCT CLEANING AND	UNIT/COIL CLEANING SHALL BE NCLUDE FILTER MEDIA OVER ALL TO PROTECT DUCTS AND	DRAWING: DATE: DATE: DESCRIPTION	D FOR BID
				)ING:	ISSUED
		LEGEND		BUILDING REV.	
	SYMBOL			СE	
		RECTANGULAR SUPPLY D		SCIENCE	າສ
	48x24	48"x24" RECTANGULAR E			lir
	$\mathbf{\Theta}$	CONNECTION POINT OF N	IEW TO EXISTING	N)	Carolina
				PROJECT TITLE: RENOVATIONS TO THE HORACE C. SMIT BUILDING'S RETAIL FOOD COURT (WOW)	University of South Ca
		SWYGERT AND ASSOCIATES, LTD. NO. CO0227	Swygert & Associates CONSULTING ENGINEERS DBA Swygert & Assoc., Ltd. Post Office Box 11686 Columbia, S.C. 29211 Telephone: (803) 791–9300 Facsimile: (803) 791–0830 mail@swygert-associates.com	SHEET:	М—2 оf in set:
		THE S OF AU VANY			

NO.     MARK     MODEL     LENGTH     WIDTH     HEIGHT     CONSTR.     DUTY RATING     TOTAL CFM     COLLAR(S)     MUA     AC     Weight LBS.     LOCA       1     HOOD     XXEW-126-S     126     54     24     240     2400     10     23     2400     0.552     1920     399     SIN       HOOD     MARK     ISTUERTYPE BULB / LAMP INFO     126     54     24     240     2400     10     23     2400     0.552     1920     399     SIN       HOOD     MARK     ISTUERTYPE BULB / LAMP INFO     QTY     FOOT CANDLES     TYPE / MODEL MATERIAL     QTY     SIZE (IN.) SUPPLY PLENUM INFORMATION     SIZE MODEL     INTERSYSTEM     CONTROLS       1     HOOD     MARK     POS.     TYPE     6     50.4     X-TRACTOR STAINLESS STEL     4     16     20     LEFT     ANSUL R102     6     XFCC     SWITCHE       1     HOOD     MARK     POS.     TYPE     SIZE (IN.) L     INSULATED     DAMPER(S)     SUPPLIED     QTY     CFM     TOTAL     CHEFT     ANSUL R102     6     XFCC     SWITCHE       1     HOOD     FRONT ASP     138     14     10     NO     NO     NO     TOTAL     CFM	ноор				HOOD			COOKING							SUPPLY			TOTAL	SECTION		
Image: constraint of the		MARK	MODE	EL [					LOAD /				CC	DLLAR(S	<u>S)</u>				-		LOCATION
1       HOOD       XXEW-126-S       126       54       24       WHERE EXPOSED       HEAVY       2400       10       23       2400       0.3.02       1920       399       SIN         HOOD NOO NO.       MARK       LIGHTING DETAILS       GREASE FILTRATION DETAILS       UTILITY CABINET(S)         HOOD NO.       MARK       FIXTURE TYPE BULB / LAMP INFO       QTY       FOOT CANDLES       TYPE / MODEL MATERIAL       QTY       SIZE (IN.) L       LOCATION       FIRE SYSTEM       CONTROLS         1       HOOD       LED       6       50.4       X-TRACTOR STAINLESS STEEL       4       16       20       20       1       LOCATION       TYPE       SIZE       MODEL       INTERFACE         SUPPLY PLENUM INFORMATION       LED       LED       6       50.4       X-TRACTOR STAINLESS STEEL       4       16       20       20       1       EFT       ANSUL R102       6       XFCC       SWITCHE         SUPPLY PLENUM INFORMATION       HOOD       FRONT ASP       138       14       10       NO       NO       1       1020       MUA       FACTORY       3       10       18       640       0.13       1         1       HOOD       FRONT ASP       138 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>CFM</td><td>WIDT</td><td>H LE</td><td>ENGTH</td><td>DIA.</td><td>CFM</td><td>S.P.</td><td>CFM</td><td>1 CF</td><td>М</td><td>LBS.</td><td></td></td<>										CFM	WIDT	H LE	ENGTH	DIA.	CFM	S.P.	CFM	1 CF	М	LBS.	
HOOD NO.       MARK       FIXTURE TYPE BULB / LAMP INFO       QTY       FOOT CANDLES       TYPE / MODEL MATERIAL       QTY       SIZE (IN.) L       FIRE SYSTEM       CONTROLS         1       HOOD       LED       6       50.4       X-TRACTOR STAINLESS STEEL       4       16       20       LEFT       ANSUL R102       6       XFCC       SWITCHE         SUPPLY PLENUM INFORMATION       HOOD       MARK       POS.       TYPE       SIZE (IN.)       INSULATED       DAMPER(S)       LED LIGHT(S)       TOTAL       COLLARS         NO.       MARK       POS.       TYPE       SIZE (IN.)       INSULATED       DAMPER(S)       SUPPLIED       QTY       CFM       TYPE MOUNTING QTY       L       DIA.       CFM       S.P.       Y         1       HOOD       FRONT       ASP       138       14       10       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13         HOOD OPTIONS       UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625       BACK INTEGRAL AIR SPACE - 3 IN WIDE       ISALE       PROVIDE WITH FULL SYSTEM       PROVIDE WITH FULL SYSTEM	1	HOOD	XXEW-12	26-S	126	54	24	WHERE		2400	10		23		2400	0.552	1920	)		399	SINGLE
HOOD NO.       MARK       FIXTURE TYPE BULB / LAMP INFO       QTY       FOOT CANDLES       TYPE / MODEL MATERIAL       QTY       SIZE (IN.) L       FIRE SYSTEM       CONTROLS         1       HOOD       LED       6       50.4       X-TRACTOR STAINLESS STEEL       4       16       20       LEFT       ANSUL R102       6       XFCC       SWITCHE         SUPPLY PLENUM INFORMATION       HOOD       MARK       POS.       TYPE       SIZE (IN.)       INSULATED       DAMPER(S)       LED LIGHT(S)       TOTAL       COLLARS         1       HOOD       FRONT       ASP       138       14       10       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13         HOOD OPTIONS       UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625       BACK INTEGRAL AIR SPACE - 3 IN WIDE       ISALES       FRONT LEFT RIGHT - FIELD INSTALLED       PROVIDE WITH FULL SYSTEM		NFORMATION																			
NO.     MARK     HXTURE TYPE BULB / LAMP INFO     QTY     HOO CANDLES     TYPE / MODEL MATERIAL     QTY     SIZE (IN.) L     HRE SYSTEM     CONTROLS       1     HOOD     HOOD     LED     LED     6     50.4     X-TRACTOR STAINLESS STEEL     4     16     20     LEFT     ANSUL R102     6     XFCC     SWITCHE       SUPPLY PLENUM INFORMATION     LED     LED     3     20     20     LEFT     ANSUL R102     6     XFCC     SWITCHE       NO.     MARK     POS.     TYPE     SIZE (IN.)     INSULATED     DAMPER(S)     LED LIGHT(S)     TOTAL     CFM     TYPE MOUNTING QTY     U     DIA.     CFM     S.P.     Y       1     HOOD     FRONT     ASP     138     14     10     NO     NO     ISUPLIED     QTY     CFM     TYPE MOUNTING QTY     U     DIA.     CFM     S.P.     Y       1     HOOD     FRONT     ASP     138     14     10     NO     NO     ISUPPLIED     QTY     CFM     TYPE MOUNTING QTY     U     DIA.     CFM     S.P.     Y       1     HOOD     FRONT     ASP     138     14     10     NO     NO     ISUPPLIED     ISUP     ISUP     ISUP				LIG	HTING D	ETAILS		GR	EASE FILT	RATION [	DETAILS	S			ι	ITILITY	CABIN	ET(S)			
Image: Constraint of the		MARK	FIX	XTURE	E TYPE		TV FO	от то	PE / MODE		SIZE (I	N.)		N	FIRE SY	STEM			CO	NTROLS	
1       HOOD       LED       6       50.4       STAINLESS STEEL       3       20       20       Image: Constrained by the stain of the stained by the	NO.		BUL	_B / LA	MP INFC		'' CANI	DLES	MATERIAL		LI	Η	.OCATIO		TYPE		SIZE	MODE	EL		
SUPPLY PLENUM INFORMATION       STAINLESS STEEL       3       20       Image: Constraint of the state of th	1	HOOD							-TRACTOF	4	16	<u></u>	ANSUL R102		2	6	6 XFCC		SWIT	CHES	
HOOD NO.       MARK       POS.       TYPE       SIZE (IN.)       INSULATED DAMPER(S)       LED LIGHT(S)       TOTAL CFM       TYPE MOUNTING QTY       W       L       DIA.       CFM       SUPPLIED       QTY       MUA       FACTORY       3       10       18       640       0.13         1       HOOD       FRONT       ASP       138       14       10       NO       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13       14       10       NO       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13       14       10       NO       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13       14       10       NO       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13       10       14       10		HOOD			5			.4 STAI	NLESS ST	EEL 3	20 2										
NO.       MARK       POS.       TYPE       L       W       INSULATED       DAMPER(S)       SUPPLIED       QTY       CFM       TYPE       MOUNTING       QTY       W       L       DIA.       CFM       SUPPLIED       QTY       CFM       TYPE       MOUNTING       QTY       W       L       DIA.       CFM       SUPPLIED       QTY       CFM       TYPE       MOUNTING       QTY       W       L       DIA.       CFM       SUPPLIED       QTY       CFM       TYPE       MOUNTING       QTY       W       L       DIA.       CFM       SUPPLIED       QTY       CFM       TYPE       MOUNTING       QTY       W       L       DIA.       CFM       SUPPLIED       QTY       CFM       TYPE       MOUNTING       QTY       W       L       DIA.       CFM       SUPPLIED         1       HOOD       FRONT       ASP       138       14       10       NO       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13       13         UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625       BACK INTEGRAL AIR SPACE - 3 IN WIDE       ISO       PROVIDE WITH FULL SYSTEM       PROVIDE WITH FULL SYSTEM       ISO       ISO <td></td> <td>PLENUM INFORMATION</td> <td></td> <td></td> <td>_</td> <td></td>		PLENUM INFORMATION			_																
NO.       L       W       H       SUPPLIED       QTY       CFM       TYPE MOUNTING QTY       W       L       DIA.       CFM       S.P.       N         1       HOOD       FRONT       ASP       138       14       10       NO       NO       1920       MUA       FACTORY       3       10       18       640       0.13         HOOD OPTIONS       UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625       UL #R25625       FBACK INTEGRAL AIR SPACE - 3 IN WIDE       PROVIDE WITH FULL SYSTEM       PROVIDE WITH FULL SYSTEM	HOOD	MARK	POS	TVPF	SL	ZE (IN.)							TOTAL					LARS			-
HOOD OPTIONS UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625 BACK INTEGRAL AIR SPACE - 3 IN WIDE 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED PROVIDE WITH FULL SYSTEM	NO.		100.		L	W I	1 1100			UPPLIED	QTY	/	CFM	TYPE		IG QT	<u>/ w l</u>	_ DIA.	CFM	/ S.P	VEL.
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625 BACK INTEGRAL AIR SPACE - 3 IN WIDE 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED PROVIDE WITH FULL SYSTEM	1	HOOD	FRONT	ASP	138	14 1	o l	10	NO	NO			1920	MUA	FACTOR	Y 3	10 1	8	640	0.13	512
BACK INTEGRAL AIR SPACE - 3 IN WIDE         18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED         PROVIDE WITH FULL SYSTEM	100D (	OPTIONS																			
18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED       PROVIDE WITH FULL SYSTEM	UL 71	0 LISTED W/ OUT EXHAUST FIRE D	DAMPER - U	JL #R2	5625																
	BACK	INTEGRAL AIR SPACE - 3 IN WIDE																			
FACTORY MOUNTED EXHAUST COLLAR(S)	18 IN	HIGH CEILING ENCLOSURES - FRO	ONT LEFT R	RIGHT	- FIELD I	NSTALL	ED			PROV	IDE WI	TH F	ULL SYS	TEM							
	FACT	ORY MOUNTED EXHAUST COLLAR	R(S)							STAR	TUP AN	ID TE	ESTING A	AS							

BACKSPLASH 80.00 IN HIGH 138.00 IN LONG PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

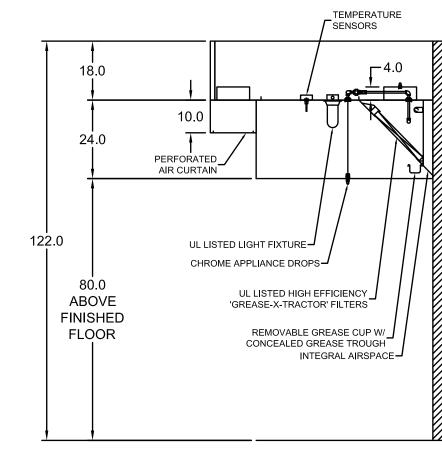
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH





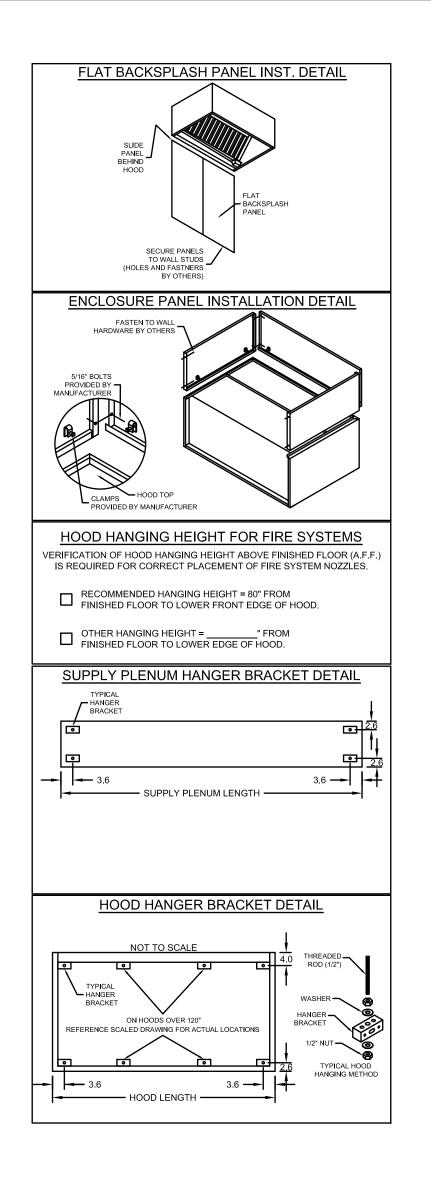
MARK: HOOD - SECTION 1 ELEVATION VIEW

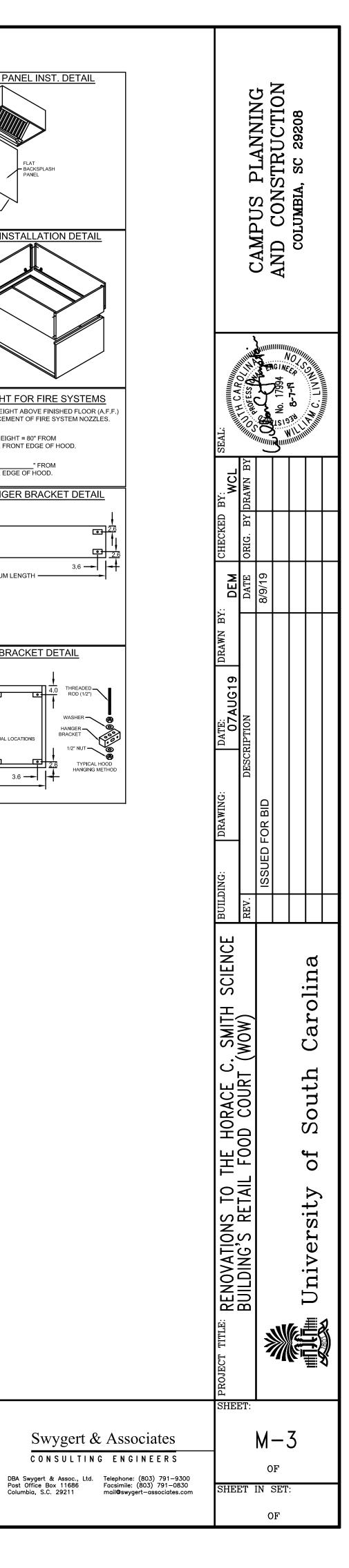
REQUIRED BY CODE OFFICIAL.



MARK: HOOD SECTION VIEW

-6.0





WITH CARO SWYGERT AND ASSOCIATES, LTD. NO. C00227 OF A

Swygert & Associates

CONSULTING ENGINEERS

Belt	Belt Drive Upblast Centrifugal Roof Exhaust Fan							
	MARK INFORMATION							
QTY	MARK							
1	KEF-1	XF						
*NEC F	*NEC FLA - Based on tables 150 or 148 of National Electric							
	SWEF-1 : S	ELECTED OPTIO						
	La	arger curb cap size						
	Sidewall Mounting - Fan Configured							
	UL/cUL 762 Listed - "Power Ventila							
	Switch, NEMA-1, Toggl							
High Temp Curb Seal Rated for Conti								

tinuous Duty at 2000 F (Attached) Grease Pan Kit - Containment Configured for Wall-Mounted Applications (PN:879148) Grease Trap (PN:475538)

Heat Baffle (Attached)

#### FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION FLOW POINTS SUPPL		SUPPLY	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM	
MARK	WODEL	EOCATION	HOODS	PCU	LINE	DETECTION	
FS-1	ANSUL R-102	CABINET – LEFT END OF HOOD	18 UTILIZED				HOOD SECTION 1
F3-1	WET CHEMICAL	CABINET - LEFT END OF HOOD	22 AVAILABLE		CONTINUOUS FUSIBLE LINK		

#### FIRE SYSTEM OPTIONS AND ACCESSORIES

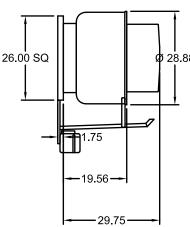
FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL) CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED

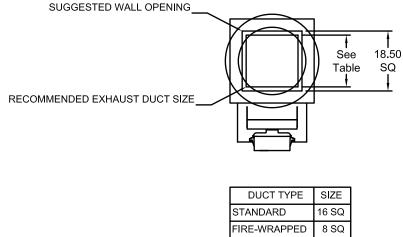
METAL BLOW-OFF CAPS - INCLUDED

GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2", (ANSUL) - PART# ANSULMECHSHUTOFFVALVE200 HOOD SUPPRESSION AGENT - INCLUDED - 6 GAL. - [(2) 3.0 TANK(S)]

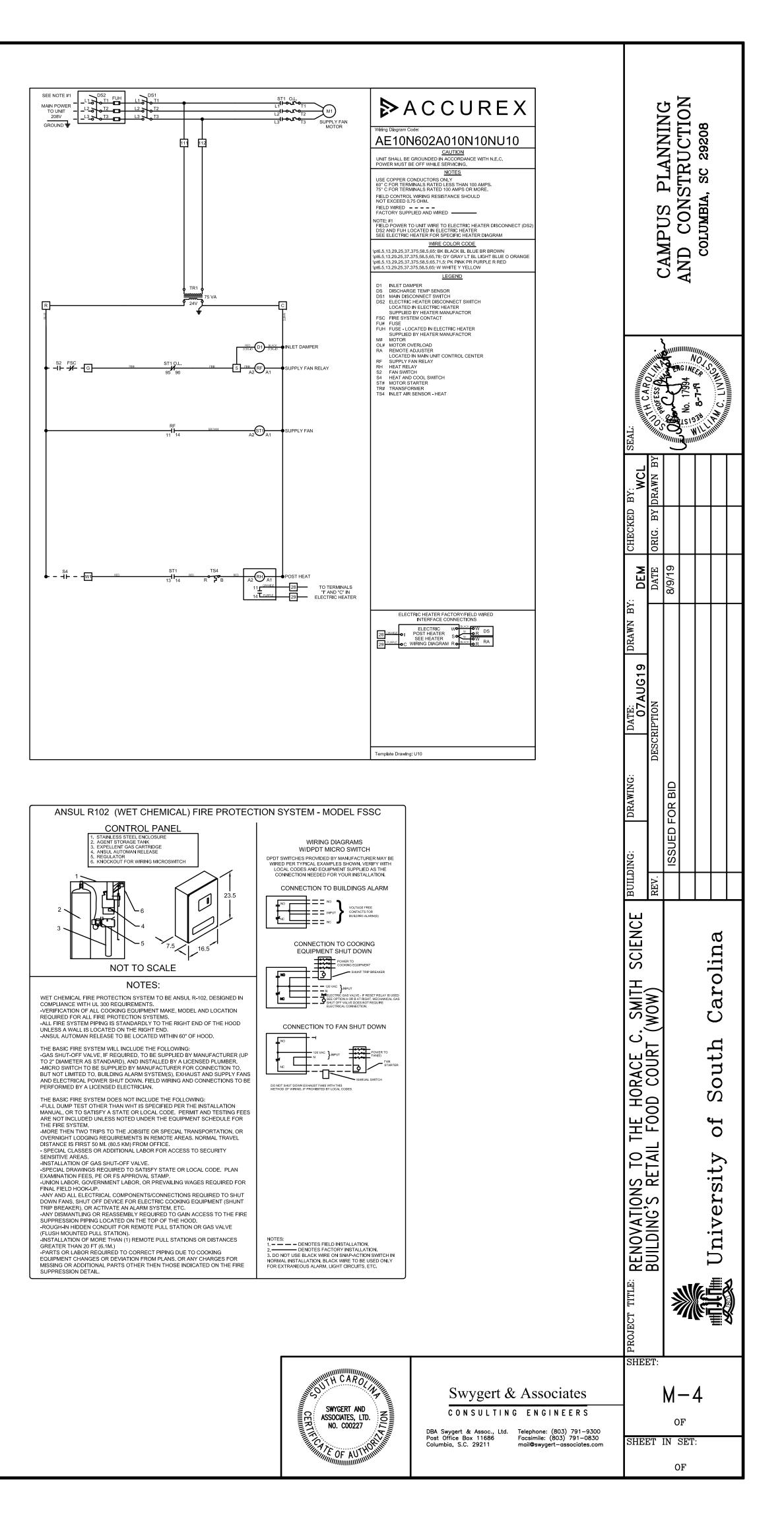
REMOTE PULL STATION - STANDARD - INSTALLATION AT SINGLE POINT OF EGRESS

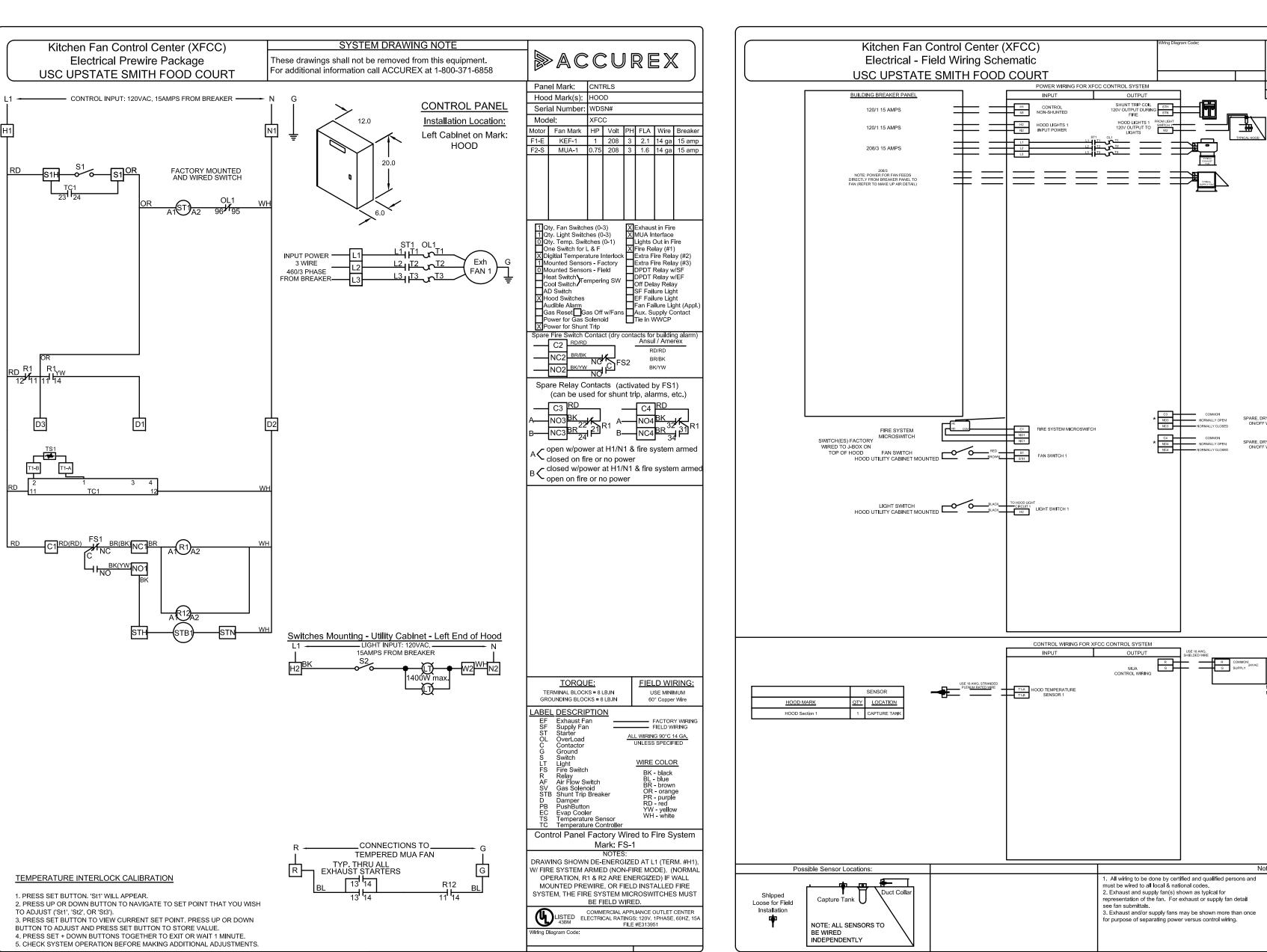
FAN INFORMATION							IOTOR INFORM	1ATION		
/OLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM		WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
2,400	1	1,234	0.74	101	1	208/60/3	OP	1725	1	2.1
<sup>-</sup> LA may v	vary, for sizing thermal ov	erload, c	onsult factory.							
s "										
	OLUME (CFM) 2,400 LA may v	OLUME TOTAL EXTERNAL SP (CFM) (IN WG) 2,400 1 LA may vary, for sizing thermal ov	OLUME TOTAL EXTERNAL SP FAN (CFM) (IN WG) 1,234 2,400 1 1,234 LA may vary, for sizing thermal overload, c	OLUME (CFM)       TOTAL EXTERNAL SP (IN WG)       FAN RPM       OPERATING POWER (HP)         2,400       1       1,234       0.74         LA may vary, for sizing thermal overload, consult factory.	OLUME (CFM)       TOTAL EXTERNAL SP (IN WG)       FAN RPM       OPERATING POWER (HP)       WEIGHT (LB.)         2,400       1       1,234       0.74       101         LA may vary, for sizing thermal overload, consult factory.	OLUME (CFM)       TOTAL EXTERNAL SP (IN WG)       FAN RPM       OPERATING POWER (HP)       WEIGHT (LB.)       SIZE (HP)         2,400       1       1,234       0.74       101       1         LA may vary, for sizing thermal overload, consult factory.       Size (HP)       Size (HP)	OLUME (CFM)       TOTAL EXTERNAL SP (IN WG)       FAN RPM       OPERATING POWER (HP)       WEIGHT (LB.)       SIZE (HP)       V/C/P         2,400       1       1,234       0.74       101       1       208/60/3         LA may vary, for sizing thermal overload, consult factory.	OLUME (CFM)       TOTAL EXTERNAL SP (IN WG)       FAN RPM       OPERATING POWER (HP)       WEIGHT (LB.)       SIZE (HP)       V/C/P       ENCLOSURE         2,400       1       1,234       0.74       101       1       208/60/3       OP         LA may vary, for sizing thermal overload, consult factory.       Size (HP)       V/C/P       ENCLOSURE	OLUME (CFM)       TOTAL EXTERNAL SP (IN WG)       FAN RPM       OPERATING POWER (HP)       WEIGHT (LB.)       SIZE (HP)       V/C/P       ENCLOSURE       MOTOR RPM         2,400       1       1,234       0.74       101       1       208/60/3       OP       1725         LA may vary, for sizing thermal overload, consult factory.	OLUME (CFM)       TOTAL EXTERNAL SP (IN WG)       FAN RPM       OPERATING POWER (HP)       WEIGHT (LB.)       SIZE (HP)       V/C/P       ENCLOSURE       MOTOR RPM       WINDINGS         2,400       1       1,234       0.74       101       1       208/60/3       OP       1725       1         LA may vary, for sizing thermal overload, consult factory.       Size (HP)       V/C/P       ENCLOSURE       MOTOR RPM       WINDINGS





DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE. OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR.

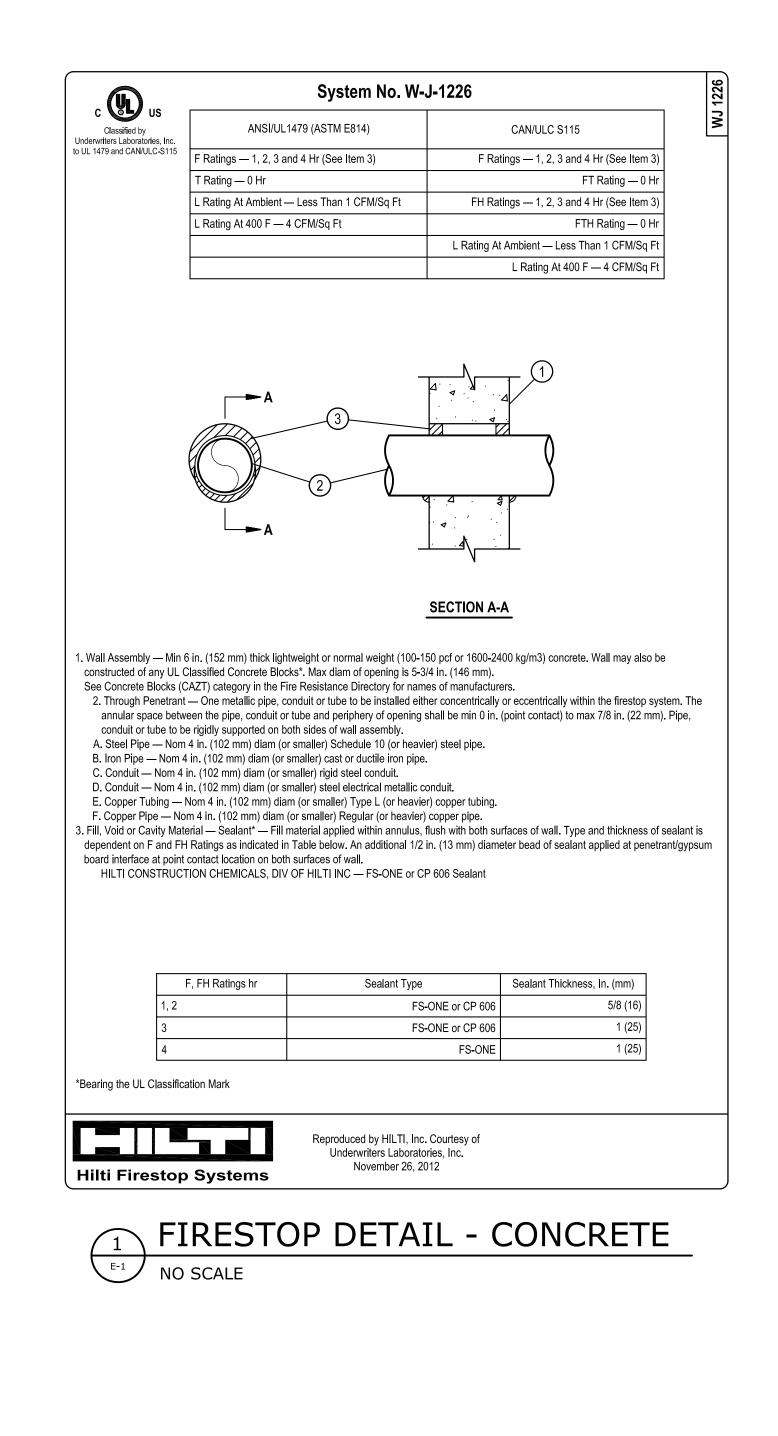




CONTROL INFORMATION									
MARK	ELECTRICAL CO	NTROL PACKAGE		USER INTERFACE	FANS CONTROLLED				
WARK	MODEL	LOCATION	TYPE	LOCATION	MARK	TYPE	VOLT	PHASE	HP
CNTRLS	XFCC	CABINET – LEFT END OF HOOD SWITCHI		CABINET – LEFT END OF HOOD	KEF-1	EXHAUST	208	3	1
CNTRLS			SWITCHES		MUA-1	SUPPLY	208	3	3/4
				•		-		-	

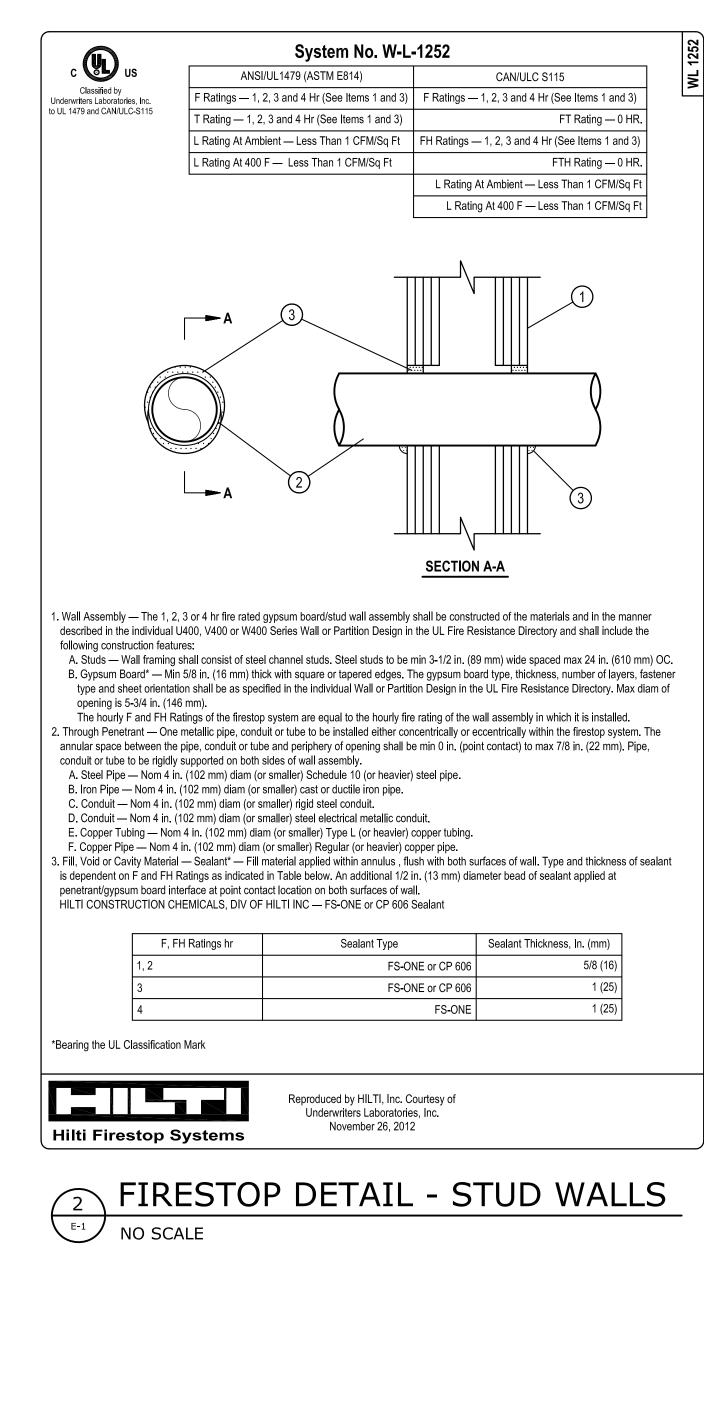
CONTROL FEATURES STARTERS PROVIDED IN CONTROL PANEL - QTY 1 2 POSITION LIGHT SWITCH - QTY 1 2 POSITION FAN SWITCH - QTY 1 -FACTORY MOUNTED EXHAUST TEMPERATURE SENSORS - QTY 1 TURN ON EXHAUST IN FIRE MUA INTERFACE			CAMPUS PLANNING AND CONSTRUCTION columbia, sc 29208
POWER FOR SHUNT TRIP THERMAL OVERLOADS IN CABINET CONTROL PANEL FACTORY WIRED TO FIRE SYSTEM			DATE:     DATE:     DRAWN BY:     CHECKED BY:     SEAL:       07AUG19     DATE     ORIG. BY     DRAWN BY       UPTION     DATE     ORIG. BY     DRAWN BY       SI9/19     DATE     ORIG. BY     DRAWN BY       SI9/19     DATE     ORIG. BY     DRAWN BY       IPTION     DATE     ORIG. BY     DRAWN BY       SI9/19     DATE     ORIG. BY     DRAWN BY       IPTION     BATE     BATE     ORIG. BY       IPTION     BATE     BATE     ORIG. BY       IPTION     BATE     BATE     DRAWN BY
ARE SYSTEM MICROSWITCH			BUILDING: DRAWING: DATE: 07. REV. DESCRIPTION ISSUED FOR BID DESCRIPTION
Provide the state of a state o			PROJECT TITLE: RENOVATIONS TO THE HORACE C. SMITH SCIENCE BUILDING'S RETAIL FOOD COURT (WOW) BUILDING'S RETAIL FOOD COURT (WOW) R University of South Carolina
	SWYGERT AND ASSOCIATES, LTD. NO. CO0227	Swygert & Associates CONSULTING ENGINEERS DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300	SHEET: M-5 of Sheet in set: of

	ELECTRICAL LEGE									
SYMBOL	DESCRIPTION	SYMBOL								
	EXISTING ELECTRICAL PANELBOARD, FLUSH MOUNTED - TO REMAIN IN PLACE.	RIM								
<b>\$</b>	ELECTRICAL CONNECTIONS TO A MOTOR OR TO MOTOR DRIVEN EQUIPMENT.	MIM								
ю	STEEL JUNCTION BOX, WALL MOUNTED.									
0	STEEL JUNCTION BOX, UNIT OR CEILING MOUNTED UNLESS NOTED OTHERWISE.									
	ELECTRICAL DISCONNECT SWITCH - RATINGS AND FEATURES AS INDICATED ON PLAN. PROVIDE CLASS RK5 FUSES OF RATINGS INDICATED ON NAMEPLATE DATA.	Ы								
		<sup>А</sup> / <sub>V</sub> Е								
E 💿 a	EXISTING 2'x2' RECESSED FLUORESCENT TROFFER, SWITCHLEG AS INDICATED BY LOWER-CASE LETTER - RELOCATE AS INDICATED ON PLAN.	F⊲⊧								
SE	EXISTING LIGHT SWITCH WITH SWITCHLEG DESIGNATED BY LOWER-CASE LETTER - TO REMAIN IN PLACE.	(H) e								

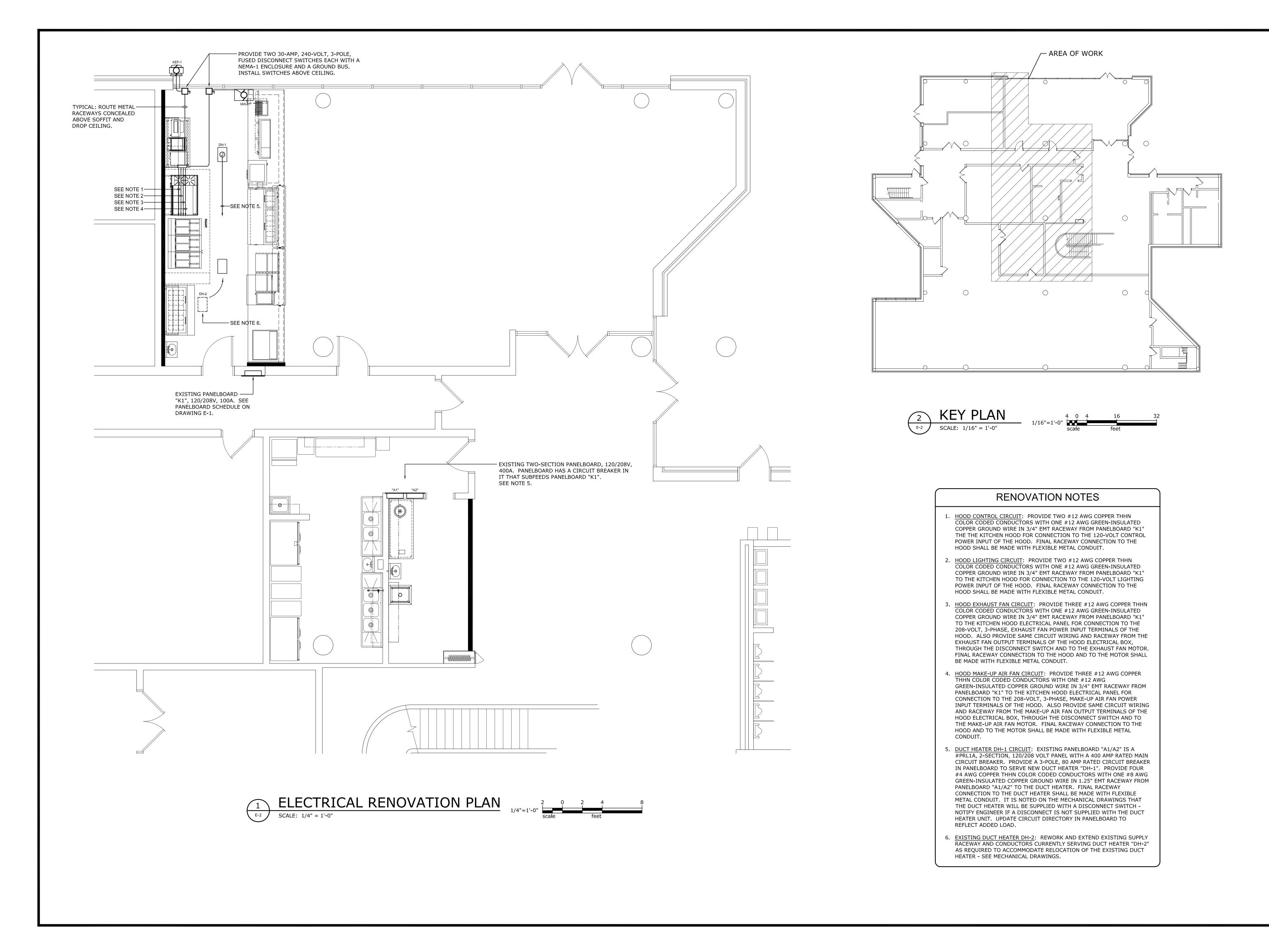


#### END DESCRIPTION FIRE ALARM SYSTEM ADDRESSABLE RELAY INTERFACE CONTROL MODULE (PROVIDE A MODULE THAT IS COMPATIBLE WITH A GAMEWELL FCI E3 SERIES FIRE ALARM CONTROL PANEL). MOUNT IN A STEEL BACKBOX. FIRE ALARM SYSTEM ADDRESSABLE MONITOR INTERFACE CONTROL MODULE (PROVIDE A MODULE THAT IS COMPATIBLE WITH A GAMEWELL FCI E3 SERIES FIRE ALARM CONTROL PANEL). MOUNT IN A STEEL BACKBOX. EXISTING SURFACE MOUNTED CONTROL PANEL - TYPE AS NOTED ON PLAN. EXISTING FLUSH MOUNTED CONTROL PANEL - TYPE AS NOTED ON PLAN. EXISTING CEILING MOUNTED FIRE ALARM SYSTEM COMBINATION AUDIBLE/STROBE NOTIFICATION APPLIANCE - TO REMAIN IN PLACE. EXISTING WALL MOUNTED FIRE ALARM SYSTEM COMBINATION AUDIBLE/STROBE NOTIFICATION APPLIANCE - TO REMAIN IN PLACE.

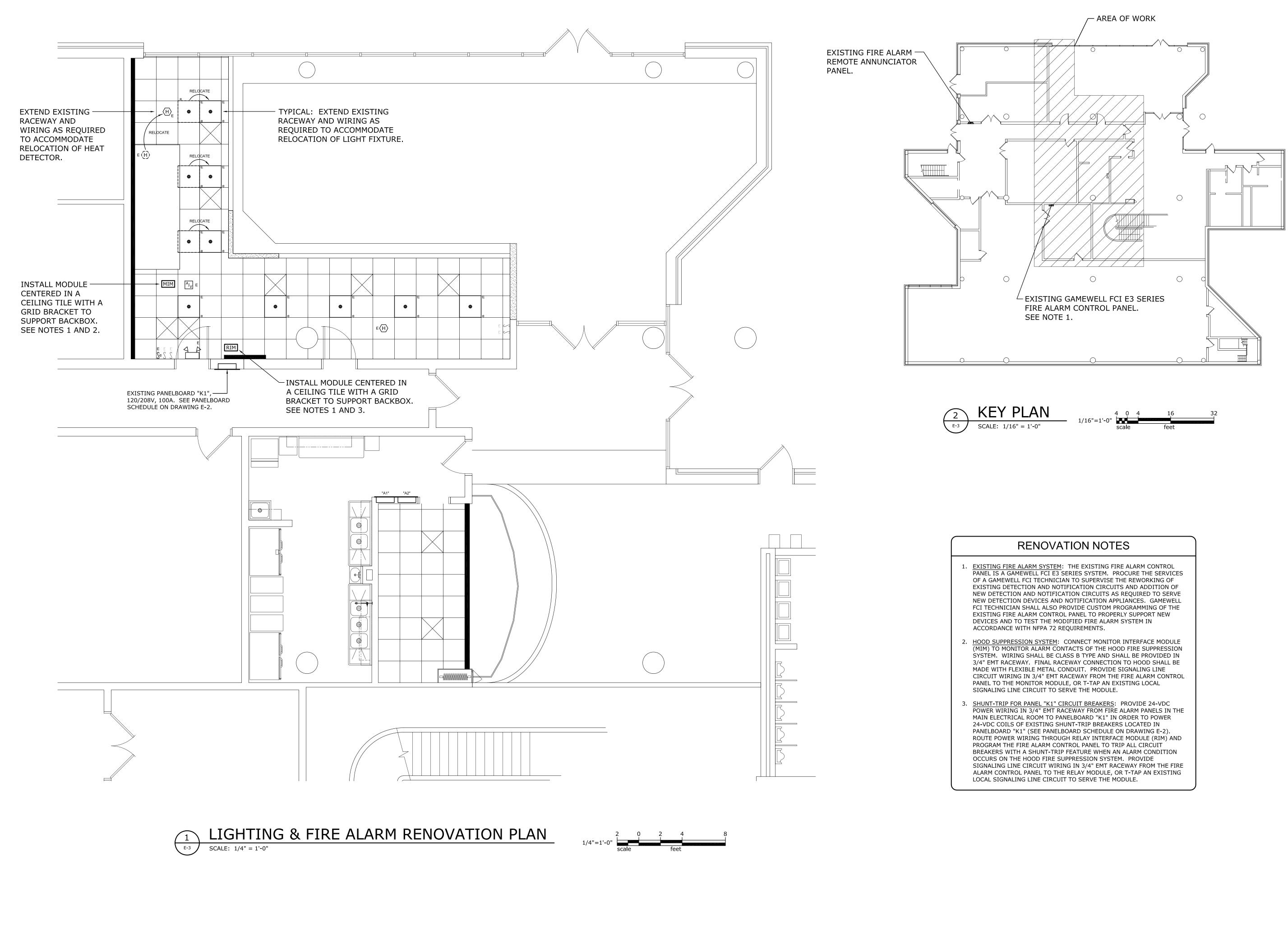
EXISTING FIRE ALARM HEAT DETECTOR - RELOCATE WHERE INDICATED ON PLAN.



		Xc	Xcelerated Concepts
GENERAL CONSTRUCTION NOTES		Xcelerated Con 325 Mill St. Sui	acepts, LLC
1. PROVIDE ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:		Danville, PA T 570.275.6130 F 5 UNIVERSITY O	570.275.6841
INTERNATIONAL BUILDING CODE 2015 EDITION		CAROLINA	
INTERNATIONAL EXISTING BUILDING CODE 2015 EDITION		RENOVATION HORACE C. SMIT	
NFPA 70 - NATIONAL ELECTRICAL CODE2014 EDITIONNFPA 72 - NATIONAL FIRE ALARM CODE2013 EDITION		BUILDING'S	
ANSI A117.1 - ACCESSIBLE AND USABLE 2017 EDITION		FOOD COURT	Г (WOW)
BUILDINGS AND FACILITIES 2. PROVIDE NEW RACEWAY AND WIRING TO ALL EQUIPMENT INDICATED ON THE CONTRACT DRAWINGS. THE DRAWINGS INDICATE PARTIAL RACEWAY AND WIRING REQUIREMENTS TO HELP CLARIFY DESIGN INTENT. WHERE RACEWAY AND/OR WIRING IS NOT INDICATED FOR DEVICES, FIXTURES, OR EQUIPMENT THE ARRANGEMENT, GROUPING, AND ROUTING SHALL BE PROVIDED IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE.			
3. ALL ELECTRICAL MATERIALS SHALL BE U.L. TESTED & LISTED OR BE TESTED &			
LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY. 4. ALL CONDUIT PENETRATIONS THROUGH WALLS SHALL BE 2-HOUR FIRESTOPPED IN			
ACCORDANCE WITH DETAILS SHOWN ON THIS DRAWING.			
5. RACEWAYS SHALL BE EMT WITH COMPRESSION TYPE FITTINGS UNLESS NOTED OR DETAILED OTHERWISE. FINAL CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH FLEXIBLE METAL CONDUIT.			
<ol> <li>CIRCUITS SHALL BE TWO #12 AWG COPPER THHN CONDUCTORS WITH ONE #12 AWG COPPER GREEN-INSULATED GROUND WIRE IN 3/4" EMT RACEWAY UNLESS NOTED OTHERWISE ON PLAN.</li> </ol>		LEAN ENG	D INEERING OCIATES, LLC
7. JUNCTION BOXES SHALL BE STEEL TYPE WITH SCREW COVER, SIZED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.		262 SANDHURST ROA	AD, SUITE 101
8. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL MEMBERS, OR OTHER SYSTEMS.		COLUMBIA, SOUTH (803) 528-1 Joe.Land.LEA@s	1437
9. THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. THE CONTRACTOR SHALL INSTRUCT THE OWNER'S			
PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL SYSTEMS. 10. THE CONTRACTOR SHALL GUARANTEE THE WORK INSTALLED UNDER THIS CONTRACT		SUPPOUTH CARO	
FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER.		ENGINEERI ASSOC., L	
11. CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO:		COA-4400	TOUR
A) INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.			
B) REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.		MUTH CARC	
C) UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF		ELAND W.	
CONCEALED WORK.			
PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING, FITTING, AND PATCHING.		SEAL:	
PATCH AND PAINT EXISTING SURFACES AND BUILDING COMPONENTS USING NEW			
MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING AND PAINTING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.		KEY PLAN:	
120/208V, 3 PH., 4W 100 AMP MAIN BREAKER	G PANEL "K1"		
NEMA-1 ENCLOSURE, FLUSH MOUNTED (DOOR-IN-DOOR) 22,000 A.I.C. SYM. (MINIMUM)			$\frown$
SUPPLIED FROM PANEL	_ "A" (SEC 2)		
LOADS SERVED       BKR. AMP       LOAD       CKT. NO.       LOAD       BKR. NO.       LOADS SERVED		ISSUED FOR BID	8/9/19
**     Shunt-trip for 3-pole breaker below     St     -     3       DEEP FAT FRYER FILTER     1.0     5			
DEEP FAT FRYER CONTROLS     20     0.1     7       REFRIGERATOR (SHORTY)     0.6     9       NICROWAVE     00     1.6     11	ERATED)		
MICROWAVE     20     1.0     11       SANDWICH GRILL     20     1.8     15			
CONVEYOR TOASTER         20         1.8         17         18         0.0         20         Spare           SODA/ICE DISPENSER         20         1.5         19			
RECEPTACLE200.221220.020SPAREFOOD WARMER201.22323240.515HOOD CONTROL POWEREFRIGERATOR (UNDER COUNTER)200.225			
FOOD WARMER       20       1.2       27       28       1.4       20       HOOD LIGHTS         FOOD WARMER       20       1.2       29		PROJECT NO.: DRAWN BY:	SXO-2019-02 JSJ
SPARE       20       0.0       31       32       0.5       15       KITCHEN EXHAUST FAN         SPARE       20       0.0       33       34       0.5       34       0.5         SPARE       20       0.0       35		CHECKED BY:	JWL
SPARE         20         0.0         35         36         ST         SHUNT-TRIP FOR 3-POLE B           SPARE         20         0.0         37         38         0.4         38         0.4           SPARE         20         0.0         39         40         0.4         15         HOOD MAKE-UP AIR FA	CONTRACT), INCLUDING	SCALE: DRAWING TITLE:	NO SCALE
SPARE     20     0.0     41       ** EXISTING CIRCUIT BREAKER WITH 24-VDC SHUNT TRIP COIL.     TOTAL LOAD (KVA): _25.0	THE ONE IN SPACES 3,5,7,9.	GENERAL N LEGEND, DET SCHEDU	AILS, AND
		SHEET NO.:	
		E-	



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		cepts
	$ X_{C} $	Xcelerated Concepts
	Xcelerated Concepts 325 Mill St. Suite 101	
	Danville, PA 17821 T 570.275.6130 F 570.275	
	UNIVERSITY OF SC CAROLINA UPST RENOVATIONS TO HORACE C. SMITH SC BUILDING'S RET FOOD COURT (W	ATE D THE CIENCE AIL
	LEAN LAND ENGINEE ASSOCIA 262 SANDHURST ROAD, SU COLUMBIA, SOUTH CARC (803) 528-1437 Joe.Land.LEA@sc.rr.co	ITE 101 DLINA
	LAND ENGINEERING ASSOC., LLC COA-4406 OF AUTHOUT	
	SEAL:	
	KEY PLAN:	
		$\bigcirc$
	ISSUED FOR BID	8/9/19
	PROJECT NO.: SX	(O-2019-02
	DRAWN BY: CHECKED BY:	JSJ JVVL
	SCALE: DRAWING TITLE:	I/4" = I'-0"
	ELECTRICA RENOVATION F	
	SHEET NO.:	
	F-7	



Xcelerated Concepts 325 Mill St. Suite 101 Danville, PA 17821 T 570.275.6130 F 570.275.	6841
UNIVERSITY OF SC CAROLINA UPST RENOVATIONS TC HORACE C. SMITH SC BUILDING'S RET FOOD COURT (W	ATE ) THE CIENCE AIL
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LAND ENGINEERING ASSOC., LLC COA-4406	
SEAL:	
KEY PLAN:	
ISSUED FOR BID	8/9/19
	0-2019-02
DRAWN BY: CHECKED BY:	JSJ JWL
SCALE: DRAWING TITLE:	/4" =  '-0"
LIGHTING & F ALARM RENOVA PLAN	
SHEET NO.:	
E-3	