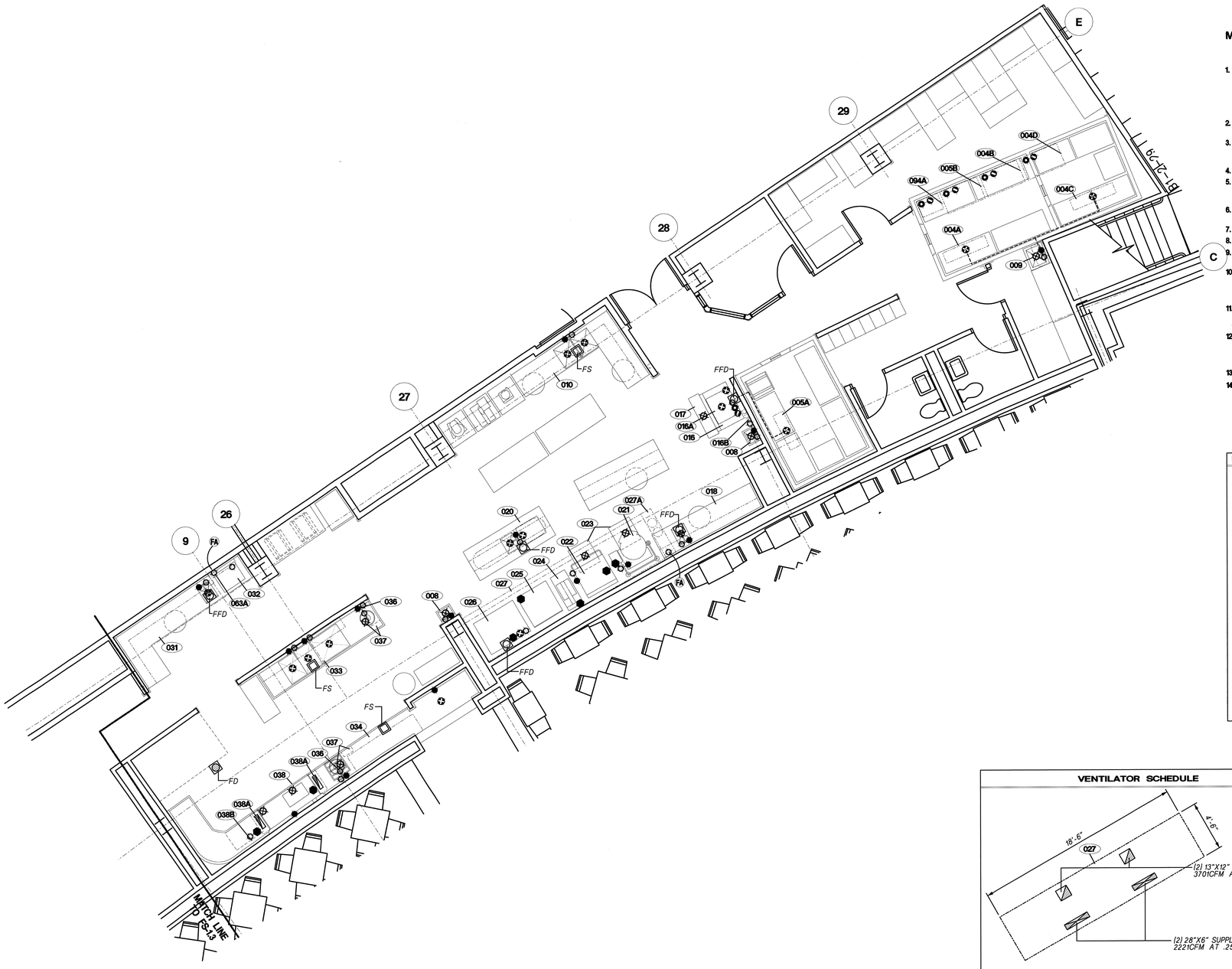


MECHANICAL NOTES

WORK DESCRIBED IN THESE NOTES IS TO BE PERFORMED UNDER THE MECHANICAL PORTION OF THE PROJECT SPECIFICATION.

1. THIS DRAWING LOCATES FINAL MECHANICAL POINTS OF CONNECTION FOR EACH FOODSERVICE EQUIPMENT ITEM. IT DOES NOT INDICATE UTILITY ROUGH-IN LOCATIONS. LOCATIONS, SIZES, AND HEIGHTS ABOVE THE FLOOR ARE APPROXIMATELY AS THEY WILL OCCUR ON EQUIPMENT ITEMS SHOWN. THE DESIGN OF SYSTEMS TO ACCOMMODATE THESE REQUIREMENTS IS TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MEET WITH THE APPROVAL OF ALL GOVERNING AUTHORITIES.
2. UTILITIES SHOWN ARE FOR FOODSERVICE EQUIPMENT ITEMS ONLY. THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE MECHANICAL DRAWINGS FOR OTHER REQUIRED UTILITIES.
3. CONCEAL ALL UTILITIES IN WALLS AND STUB-OUT OF WALLS AS REQUIRED. FOR CONNECTIONS. DO NOT STUB OUT OF THE FLOOR AND/OR RUN EXPOSED ON THE FACE OF THE WALL.
4. EXPOSED PIPING AND FITTINGS TO BE STAINLESS STEEL OR CHROME-PLATED BRASS.
5. ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION, BUT NOT LESS THAN 6" (155mm) ABOVE THE FLOOR SO AS TO PROVIDE CLEARANCE FOR CLEANING.
6. PROVIDE WATER AND GREASE-PROOF EXHAUST DUCTS FROM VENT CONNECTIONS OF DISHWASHING MACHINES, EXHAUST HOODS, AND VENTILATORS.
7. PROVIDE FIRE EXTINGUISHING SYSTEM IN ALL GREASE EXHAUST DUCTS AS REQUIRED.
8. NOT USED
9. PROVIDE A NORMALLY CLOSED ELECTRICAL SOLENOID SHUT-OFF VALVE WITH BATTERY BACK-UP AND TIME DELAY IN ALL SUPPLY LINES FOR GAS FUELED EQUIPMENT ITEMS.
10. PROVIDE GREASE TRAPS WITH TOP FLUSH WITH TOP OF FINISHED FLOOR UNLESS PROVIDED OUTSIDE FOODSERVICE AREA. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY FOODSERVICE EQUIPMENT ITEM UNLESS THERE IS SUFFICIENT SPACE TO REMOVE COVER FOR SERVICE WITHOUT INTERFERING WITH THE OPERATION OF EQUIPMENT ITEMS.
11. PROVIDE EACH AIR-COOLED REFRIGERATION SYSTEM WITH A MINIMUM AIR SUPPLY OF 1,000 CFM PER HORSE POWER AND ADEQUATE EXHAUST TO KEEP AREA ADJACENT TO COMPRESSOR AND/OR COMPRESSOR ROOM TEMPERATURE BELOW 90°F (32°C).
12. PROVIDE EACH WATER COOLED REFRIGERATION SYSTEM WITH A MINIMUM WATER SUPPLY OF 1.5GPM PER HORSEPOWER AT 70°F (21°C) AND A MINIMUM AIR SUPPLY OF 200 CFM PER HORSEPOWER WITH ADEQUATE EXHAUST TO MAINTAIN AREA ADJACENT TO COMPRESSOR AND/OR COMPRESSOR ROOM TEMPERATURE BELOW 90°F (32°C).
13. NOT USED
14. NOT USED

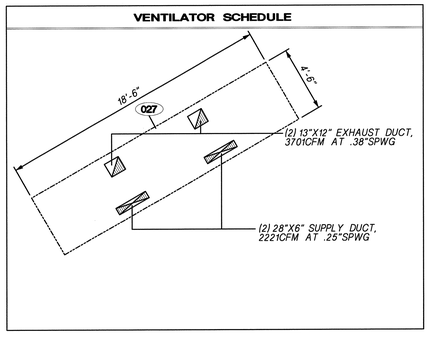
MECHANICAL ABBREVIATIONS AND SYMBOLS

GAS	G	
BRITISH THERMAL UNIT (000'S)	MBTU	
HOT WATER	HW	
COLD WATER	CW	
COOLING WATER	CTW	
COOLING WATER RETURN	CTWR	
WASTE	W	
INDIRECT WASTE	IW	
FLOOR DRAIN	FD	
FUNNEL FLOOR DRAIN	FFD	
FLOOR SINK	FS	
STEAM SUPPLY	SS	
CONDENSATE RETURN	CR	
GREASE TRAP	GT	
EXHAUST DUCT		
SUPPLY DUCT		
STATIC PRESSURE, WATER GAUGE	SPWG	
ABOVE FINISHED FLOOR	AFF	
DOWN FROM ABOVE	DFA	
AIR GAP DRAIN	AG	
COMPRESSED AIR	AIR	
REFRIGERATION LINE	REF	

FIRE EXTINGUISHING SYSTEM NOTES

FA — WET CHEMICAL PIPING TO CONNECTION AT VENTILATOR BY KITCHEN EQUIPMENT TRADE

VENTILATOR SCHEDULE



NOTE:
REFER TO SHEETS FS-3.1 THRU FS-3.3 FOR MECHANICAL UTILITY LOAD SCHEDULE

NOTE: THIS DRAWING IS FOR INFORMATION AND BIDDING PURPOSES ONLY.

GENERAL CONTRACTOR SHALL COORDINATE WITH THE KITCHEN EQUIPMENT SUB-CONTRACTOR AND RELATED MECHANICAL, ELECTRICAL AND PLUMBING SUB-CONTRACTORS TO ESTABLISH FINAL SPOT CONNECTIONS LOCATIONS AND CONFIGURATIONS AS REQUIRED. THIS DRAWING SHALL NOT BE USED TO LOCATE ANY UTILITY CONNECTIONS IN THE FIELD OR TO LOCATE ANY ROUGH-IN, PENETRATION, OR OTHER REQUIREMENTS.

CINI• LITTLE INTERNATIONAL, INC.

AutoCAD
REV. DATE: 01-26-01
REV. BY: RDS
BY/DATE: JT 05/14/01

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

NUMBER OF SECTION OR DETAIL
DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-G001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO.	DATE
0				CERTIFIED FOR CONSTRUCTION - 05/15/2001	ADI	GB				9/12/01		9/12/01				9/25/01	RLB	102104	5/15/01

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

SC	AW	WRS	RL	WRS	BWJ	--	WRS	--	WAS
ST	CV	EC	EE	EM	IE	M	PD	SE	AR

SQUAD CHECK

RPE — ROBERT L. BARNES, REGISTERED ENGINEER, STATE OF TENNESSEE, 102104 — 19.22.01

DSN	A. IAIA	5/15/2001
DRW	G. BAGGOTT	5/15/2001
CHK	A. IAIA	5/15/2001
DEPT		
PE		9/12/01
PJ		9/12/01
REQ		
UTB		9/25/01

REV. DATE — DRAWING APPROVALS

SNS DRAWING NO. 108031400-K8E-8600-A007

Knight/Jacobs Joint Venture
701 Scarboro Road, MS 8253
Oak Ridge, TN 37830
865-241-9433
fax 865-241-3400

CINI•LITTLE INTERNATIONAL, INC.
1900 NORTH ROSELLE ROAD, ST. 407
SCHAUMBURG, IL 60195
PHONE: (847) 781-1500
FAX: (847) 781-1611

UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC, Oak Ridge, Tennessee

PROJECT NAME:
SPALLATION NEUTRON SOURCE
FOODSERVICE EQUIPMENT MECHANICAL SPOT CONNECTION PLAN

1	48	49	50	PLANT	BLDG	FL.	SH.	OF	TYPE	CLASS
3	K	X	X	8	8600	B-1	1	1	L	U

51	52	53		REV
NC	NA	IN	WBS 1.8.3.14	K-2.3	O