SCOPE OF WORK

PROVIDE ALL PLUMBING FOR NEW FAST FOOD RESTAURANT INCLUDING ALL WATER, GAS, GREASE & SANITARY LINES AND CONNECT TO EXISTING UTILITIES. USE THE EXISTING WATER HEATER AND GREASE

PLUMBING NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES. PLUMBING CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET. CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING OR PRECEDING
- . ALL EQUIPMENT WHICH IS TO REMAIN MUST BE REFURBISHED TO A LIKE NEW CONDITION.
 . PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL
- EXISTING CONDITIONS.
- ALL MATERIALS SHALL BE NEW.

 ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE. ALL EXCAVATION AND BACKFILL AS REQUIRED
- MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.

 7. REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

 8. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS. PLUMBING CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY ALITHORITIES.
- DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT,
- 10. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.

 11. VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ÁDVISE ENGINEER OF ANY DISCREPANCIES.
- 12. EXPOSED WATER PIPING SHALL BE TYPE "L" COPPER FOR 2" AND UNDER. WATER PIPING IN WALLS AND UNDERGROUND MAY BE "PEX" TYPE PIPING THAT MEETS ANSI/NSF STANDARD 61.

 13. SOIL, WASTE, VENT AND RAINWATER PIPING SHALL BE PVC BUT MAY NOT RUN THRU RATED ASSEMBLIES OR IN
- 14. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- 15. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE GROUP AS PER CODE AND
- WITH GOOD ENGINEERING PRACTICE.

 16. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS; EXCEPT AT WATER HEATER AS PER CODE.

 17. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD.

 18. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND
- 18. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM, TO ACHIEVE THE SAME RATING AS WALLS OR FLOORS AS PART OF THE PLUMBER'S WORK.

 19. PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE WITHIN 72 HOURS OF NOTIFICATION AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED. PROVIDE COPY TO LL.
- 20. STUDOR MINI/MAXI AIR ADMITTANCE VALVES MAY NOT BE USED AS AN ALTERNATE TO VENT PIPING THRU 21. PROVIDE CHROME PLATED COMBINATION COVER PLATE AND CLEAN OUT PLUG OR ACCESS PANEL FOR ALL
- CLEANOUTS.
 22.NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS
- RETURN AIR PLENUMS.
- 23. NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
 24. WATER PIPING INSULATION SHALL BE 1" THICK ARMAFLEX INSTALLED IN ACCORDANCE WITH
 MANUFACTURER'S INSTRUCTIONS FOR ALL HOT WATER PIPING. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING, ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX
- INSULATION.

 25. CONDENSATE DRAIN LINES TO BE RUN UNDER SLAB IN PVC SCH40 PIPE AND STUBBED OUT OF WALL TO UNIT. TIE-IN OF A/C TO BE BY OTHERS. PVC PIPING WITH 1/2" THICK ARMAFLEX INSULATION MAY BE USED IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40 FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40.

 26. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.

 27. NO JOINTS UNDERGOUND FOR COPPER.

 28. PLUMBING FIXTURES SHALL COMPLY WITH IPC.

 29. WATER HAMMER ARRESTORS AS PER IPC.

- 30. PLUMBING CONTRACTOR TO PROVIDE ANTI-SCALDING VALVE FOR TUBS AND SHOWERS.
 31. PLUMBING CONTRACTOR SHALL REVIEW ALL BID DOCUMENTATION.
 32. PLUMBING CONTRACTOR SHALL REVIEW WALL FINISHES @ LOCATION REQUIRING BARRIER-FREE COMPLIANCE
- (EXAMPLE: CENTER LINE TO TOILET).

 33. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE. PROVIDE A COPY TO LL.

 34. OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER. PROVIDE
- 35. ANY ROOF PENETRATIONS, FLASHING, SEALING, ETC. MUST BE PERFORMED BY COMMERCIAL ROOFING
- ASSOCIATES (KEITH GILSTRAP (803) 754-3400)

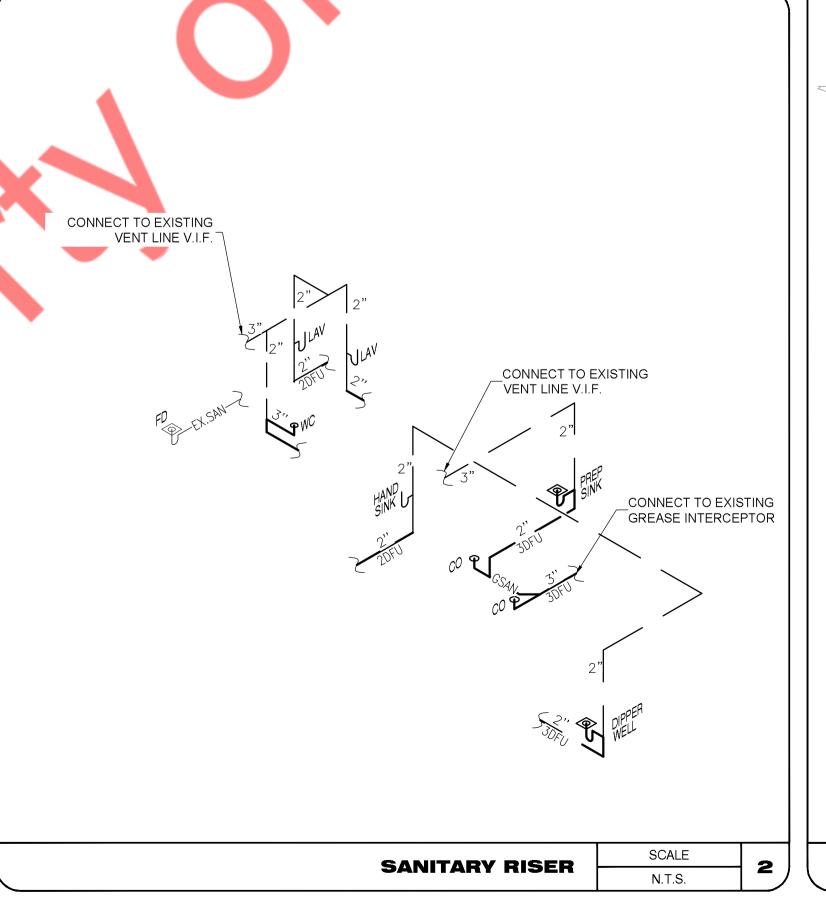
PLUMBING	LEGEND
\$ SAN - \$ \$ GSAN - \$ \$ GSAN - \$ \$ G - \$ \$ O - \$ \$ D - \$	SANITARY SEWER PIPING GREASE SANITARY SEWER PIPING VENT PIPING DOMESTIC COLD WATER PIPING HOT WATER PIPING GAS PIPING PIPE RISE OR DROP PIPE RISER UP
—— —— ○——	CAPPED END OF PIPE CLEAN OUT P-TRAP
S.O.V.	SHUT-OFF VALVE DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER GATE VALVE
▼	GAS COCK WATER HAMMER ARRESTER FLOOR DRAIN
I.W.	INDIRECT WASTE FLOOR SINK
	THERMOSTATIC MIXING VALVE

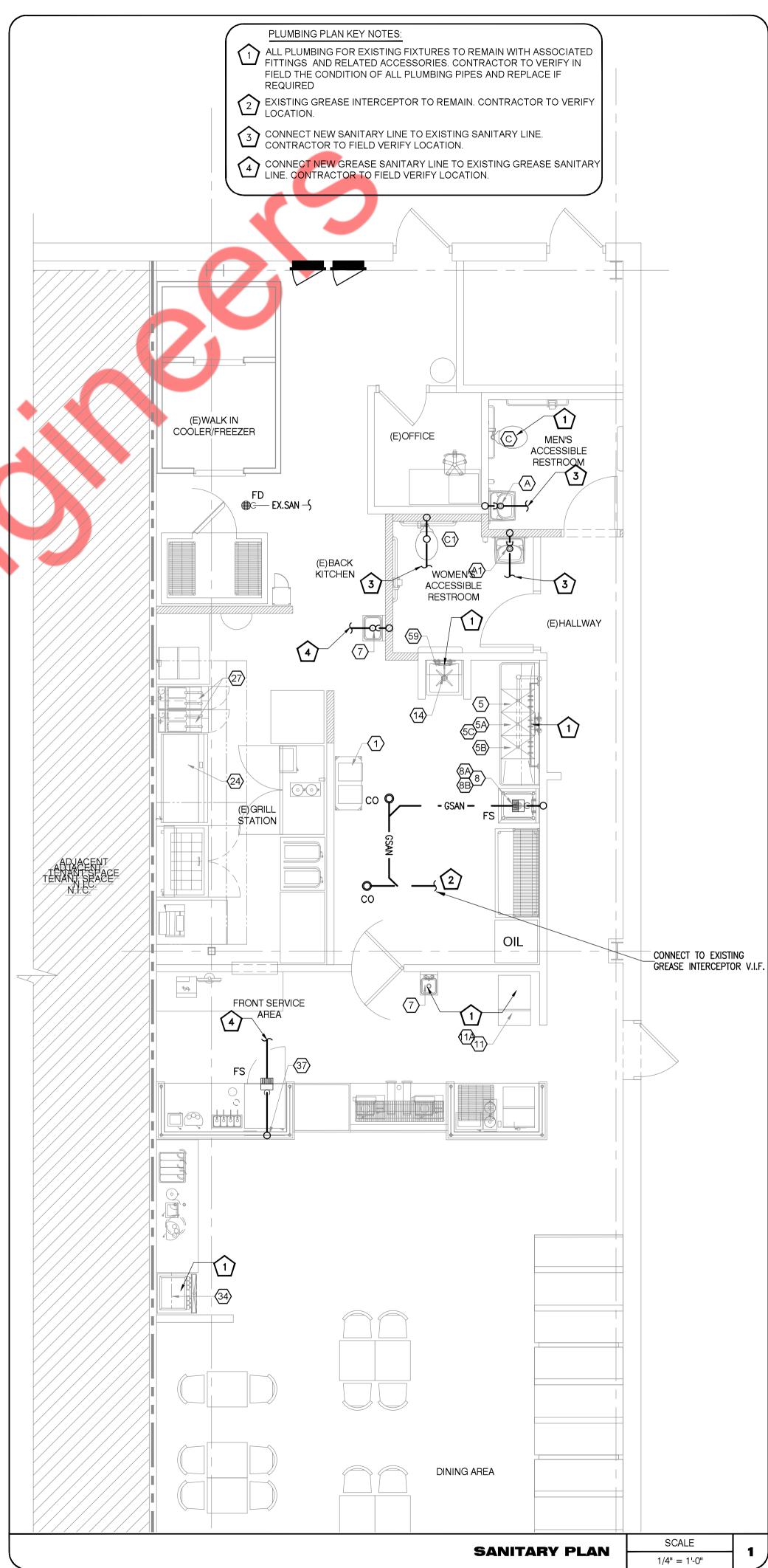
	FIXTURE BI	RANC	H SCI	HEDU	LES
FIXTURE		COLD WATER	HOT WATER	WASTE	VENT
	4" WATER CLOSET	1"		4"	2"
	2" LAVATORY	1/2"	1/2"	2"	1 1/2"-2"

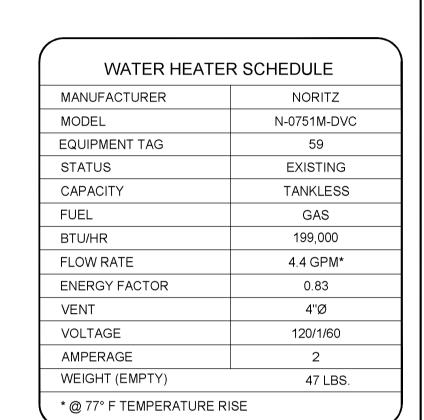
FLOOR DRAIN/ SINK -- -- 3"-4" 1 1/2"-2"

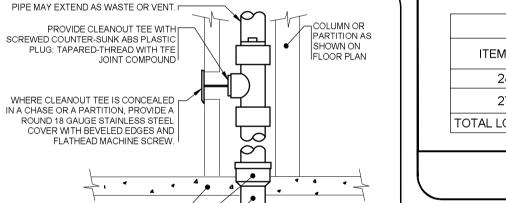
KESTI	400	JM FIX TURE SCHE	IXTURE SCHEDULE			ER	WASTE		
tem No.	Qty.	Description	Manufacturer	Model	Hot	Cold	Waste	Usage	Sp
Α	1	LAVATORY	EXISTING	EXISTING			1 1/4''		
A1	1	LAVATORY	EXISTING	EXISTING			1 1/4"		
I	2	LAVATORY FAUCET	EXISTING	EXISTING	1/2"	1/2"			
С	1	WATER CLOSET	EXISTING	EXISTING		1/2"	3''		
C1	1	WATER CLOSET	EXISTING	EXISTING		1/2"	3"		

		KITCHEN EQUIPM	ENT PLOMBING	SCHEDOLE	V V 🖳	TER	VVA	STE
ltem No.	Qty.	Description	MANUFACTURER	MODEL	Hot	Cold	Direct	Indirec
1	1	BAG IN BOX SODA	PROFIMASTER DISPLAYS	BIFLEX	•	1/2"		
5	1	3- COMP SINK - 96"	ADVANCE TOBACO	FC-3-182418RL-X			1 1/2"	
5A	1	PRE RINSE FAUCET	EXISTING	EXISTING	1/2"	1/2"		
5B	1	PRE RINSE UNIT	EXISTING	EXISTING	1/2"	1/2"		
5C	3	LEVER WASTE	EXISTING	EXISTING				1 1/2"
7	1	HAND SINK	EXISTING	EXISTING	1/2"	1/2"	1 1/2"	
8	1	PREP SINK, 1 COMPARTMENT	EAGLE	414-16-1-X				1 1/2"
8A	1	FAUCET	FISHER	13269	1/2"	1/2"		
8B	1	LEVER/TWIST WASTE	T&B BRASS	B-392				2"
11	1	ICE MAKER	EXISTING	EXISTING		1/2"		1/2"
11A	1	WATER FILTER	EXISTING	EXISTING		1/2"		
14	1	MOP SINK	EXISTING	EXISTING	1/2"	1/2"		3"
34	1	COKE	EXISTING	EXISTING		1/2"		1"
37	1	DIPPER WELL	SERVER PRODUCTS	87760				3/4"
59	1	TANKLESS WATER HEATER	SEE SCHEDULE	SEE SCHEDULE	3/4"	3/4"		
60	1	GREASE INTERCEPTOR	EXISTING	EXISTING				
61	1	COLD BEVERAGE DISPENSER (BARRILITOS)	CRATHCO	CS-4E-16				1"
		FLOOR SINKS	ZURN	Z1900-23-31 (ZS1900 IF IN EXPOSED AREAS)				
		FLOOR DRAINS*	ZURN	ZS415 W/ TYPE BS STRAINER				









HUB AT FLOOR RISER LENGTH AS FLOOR DRAIN

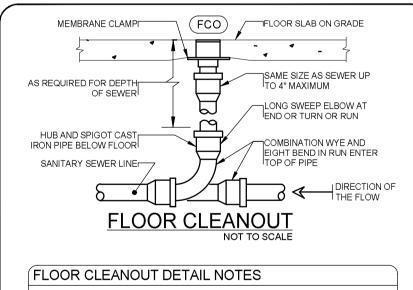
TRAP RESEAL DETAIL

SLIP JOINT NUT

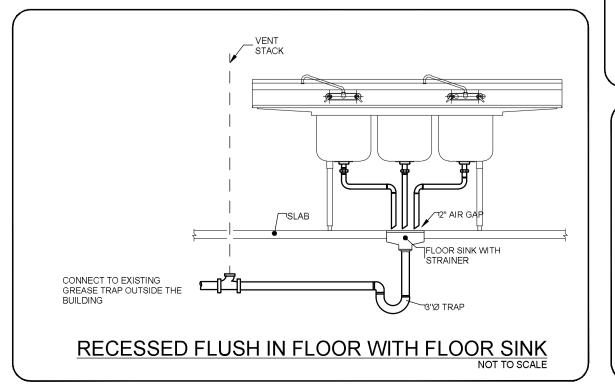
1 [13] FIP COMPRESSION

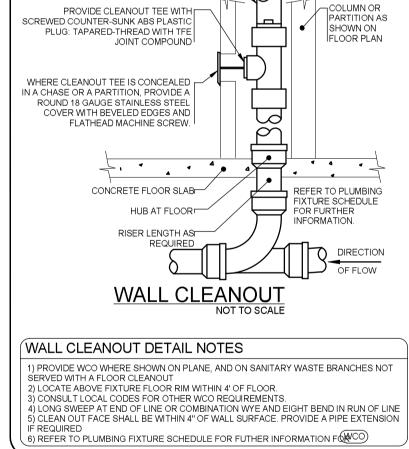
- 1 $\frac{1}{2}$ [38] NPT CONN.

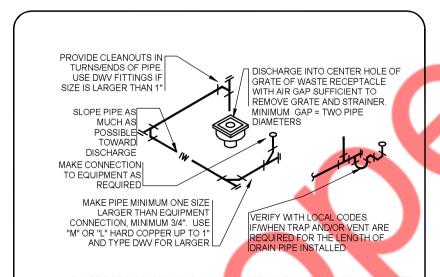
FLOOR DRAIN



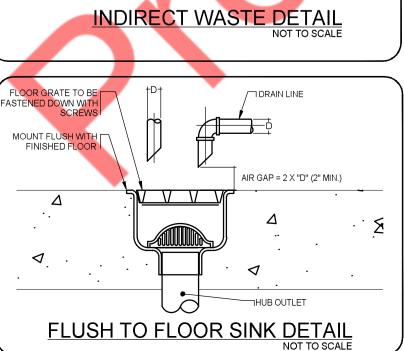
1) LOCATE CLEANOUT AT THIS LOCATIONS:
A) BUILDING EXIT
B) AT TURNS OF PIPES GREATER THAN 45 DEGREES C) AT 90' INTERVALS ON STRAIGHT RUNS D) WHERE IS SHOWN ON PLANS E) WHERE IS 18" CLEAR AROUND

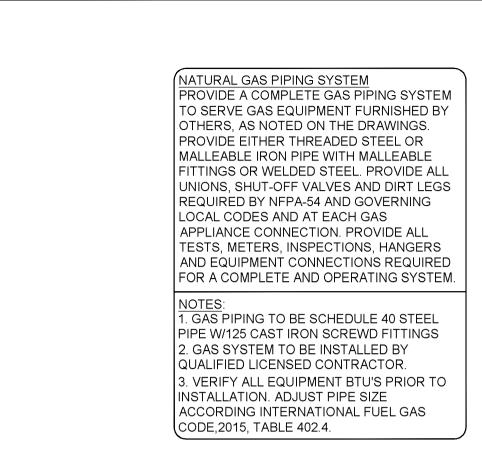


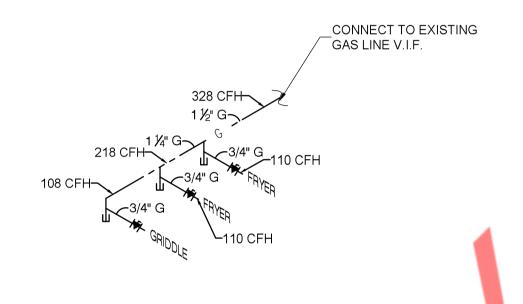




ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIR DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.







GAS SCHEDULE							
ITEM NO.	QTY.	DESCRIPTION	MANUFACTU RER	MODE		SIZE	BTU/HR.
24	1	GRIDDLE	VULCAN	948RX		3/4"	108,000
27	2	GAS FLOOR FRYERS	PITCO	SG14S		3/4"	220,000
TOTAL LOAD							328,000
TOTAL LOAD							32

N.T.S.

GAS RISER

