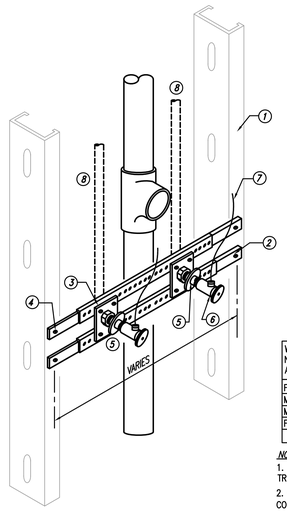


LEGEND:

1. *METAL STUD*
2. *SIOUX CHIEF No. 420 "SLIDER" ADJUSTABLE SUPPORT BRACKET. OPTIONAL" FHA / BOCA PLATE.*
3. *WAL-LET WALL TERMINATION FITTING CONNECTION No. 615 MT WITH 4" SHEET METAL SCREWS*
4. *SHEET METAL SCREWS (MIN. OF 2 FOR EACH SIDE)*
5. *CHROME ESCUTCHEON PLATE*
6. *FEMALE INLET ANGLE SUPPLY STOP (SCHEDULE BELOW)*
7. *BRASS CRAFT BRAIDED POLYMER SUPPLY TUBE OR EQUAL.*
8. *HOT & COLD WATER SUPPLY IN*

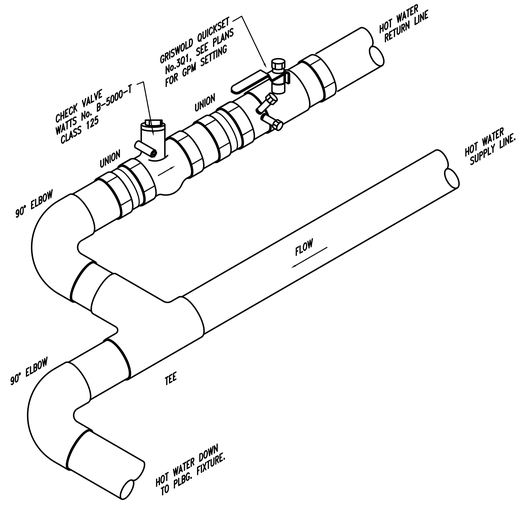
NOTE:
1. PROVIDE AND INSTALL WAL-LET FOR ALL DRINKING FOUNTAINS, SINKS, LAVATORIES AND FLUSH TANK WATER CLOSETS.
2. NO FLEXIBLE COPPER SUPPLY TUBES ALLOWED.

WAL-LET OTHER CONNECTION MODEL NUMBERS CHART, PLEASE SELECT APPROPRIATE FOR YOU PROJECT	
FS-162-50	1/2" FMT. x 3/4" SWEAT
MS-161-50	1/2" MT x 1/2" SWEAT.
MF-165-50	1/2 MT x 1/2" FMT
FF-164-50	1/2" FMT x 1/2" FMT

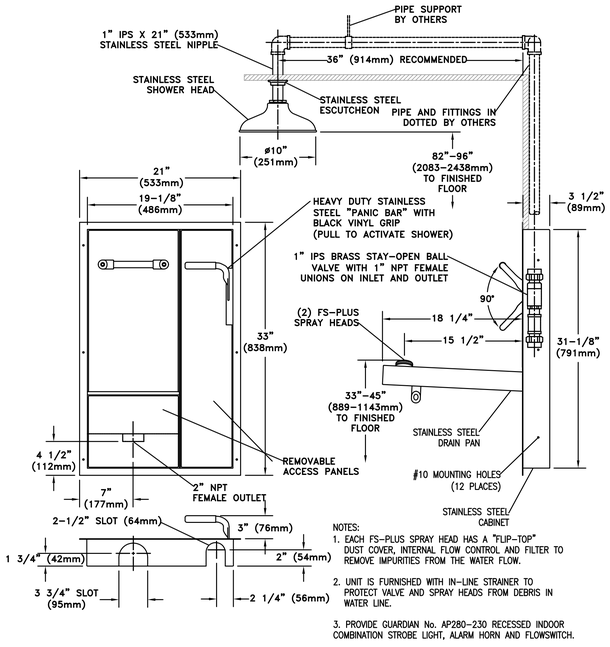
NOTES:
1. PROVIDE TEFLON TAPE AT ALL TREADED CONNECTIONS.
2. Ordering information call CONNECTION FX: (512) 266-3041

Complies with Code Requirements:
1. 2003 International Plumbing Code: Section 304.4
2. 2003 Uniform Plumbing Code Section 313.12.3

1 ANGLE SUPPLY SUPPLY
SCALE: NOT TO SCALE



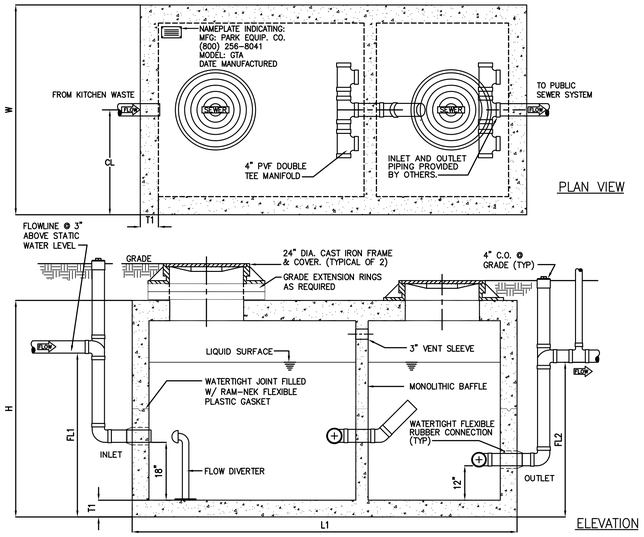
2 TYP. HOT WATER RETURN BRANCH
SCALE: NOT TO SCALE



NOTES:
1. EACH FS-PLUS SPRAY HEAD HAS A "FLIP-TOP" DUST COVER, INTERNAL FLOW CONTROL AND FILTER TO REMOVE IMPURITIES FROM THE WATER FLOW.
2. UNIT IS FURNISHED WITH IN-LINE STRAINER TO PROTECT VALVE AND SPRAY HEADS FROM DEBRIS IN WATER LINE.
3. PROVIDE GUARDIAN No. AP280-230 RECESSED INDOOR COMBINATION STROBE LIGHT, ALARM HORN AND FLOWSWITCH.

3 RECESSED COMBINATION SHOWER AND EYE/FACE WASH STATION (ES-1)
SCALE: NOT TO SCALE

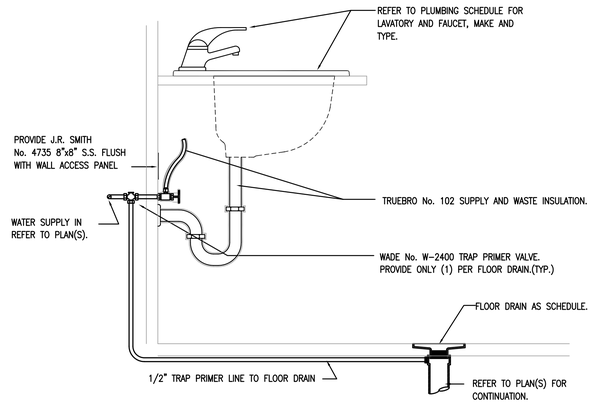
GREASE INTERCEPTOR SCHEDULE								
MODEL NO.	CAPACITY USGal	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
GT-1500	1,500	3,500	20,000	9'-2"	5'-8"	7'-0"	5'-9"	5'-6"



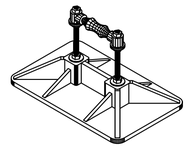
GREASE INTERCEPTOR SIZING CALCULATIONS BASED ON THE CITY OF HOUSTON LOCALE AMENDMENTS APPENDIX H SECTION H106.2.1.

NO. OF MEAL PER DAY	MEALS X 6.5 / 16 = MIN. RETENTION TIME	10% DISHWASHER RINSE	FOR 14 DAY RETENTION (x2)	INTERCEPTOR MIN. SIZE
(2 x 800)	1,600 x 6.5/16 = 650 lbs. OF RETENTION	650 lbs. x 10% = 715 lbs.	650 lbs. x 10% = 715 lbs.	1430 GALLONS

5 GREASE INTERCEPTOR
SCALE: NOT TO SCALE



4 LAVATORY DETAIL
SCALE: NOT TO SCALE



GAS PIPE HANGER AND SUPPORT SPACING CHART					
		HORIZONTAL		VERTICAL	
PIPE MATERIAL	TYPE OF JOINT	NPS	DISTANCE	NOM. PIPE SIZE	DISTANCE
BLACK STEEL	THREADED OR WELDED	1/2"	6 FEET	1/2"	6 FEET
		3/4"	8 FEET	3/4"	8 FEET
		1"	8 FEET	1"	8 FEET
		1-1/4" & LARGER	8 FEET	1-1/4" & LARGER	EVERY FLOOR LEVEL (DO NOT EXCEEDING 10')
		HORIZONTAL		VERTICAL	
CSST	THREADED	NPS SIZE / EDH	DISTANCE	EDH SIZE	DISTANCE
		13 (3/8")	4 FEET	13 (3/8")	EVERY FLOOR LEVEL (PROVIDE ADDITIONAL SUPPORT RUNS EXCEEDING 20' SPACED EVENLY)
		18 (1/2")	6 FEET	18 (1/2")	
		23 (3/4")	8 FEET	23 (3/4")	
		31 (1")	8 FEET	31 (1")	
		37 (1-1/4")		37 (1-1/4")	
		47 (1-1/2")		47 (1-1/2")	
		60 (2")		60 (2")	

NON-ROOF TOP | ROOF TOP

FOR BLACK STEEL PIPE, CONTRACTOR SHALL INSTALL PORTABLE PIPE No. PP10 WITH ROLLER SPACED AS SCHEDULED.

6 ROOF GAS PIPE SUPPORT + SPACING SCHEDULE
SCALE: NOT TO SCALE

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512-301-3389

MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS:
AYS ENGINEERING, LLC
595 Round Rock West Dr.
ROUND ROCK, TX 78681
512-961-6835

LANDSCAPE ARCHITECT:

HOUSTON GATEWAY ACADEMY INC

BOWIE CAMPUS

7310 BOWIE ST
HOUSTON, TX 77012

CITY OF HOUSTON
PROJECT # 09044674

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NOTE: By act of submitting a bid for the construction of this project, the bidder and the bidder, and all subcontractors and material suppliers he intends to use have carefully and thoroughly reviewed the drawings and specifications and other construction documents and have found them complete and free from any ambiguities and sufficient for the purpose intended. The bidder further warrants that to the best of their or their subcontractor's and material supplier's knowledge all materials and products specified or indicated herein are acceptable for all applicable codes and authorities.

STATE OF TEXAS
R. ROSS ALEMAN
98427
REGISTERED PROFESSIONAL ENGINEER
6/5/09

PROJECT MGR:	G.G.
DRAWN BY: AYS	CHKD. BY: AYS

ISSUE DATES:

Date	Issue
06.5.09	Permit Set

AYS Engineering, LLC
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PLUMBING DETAILS

P3-1