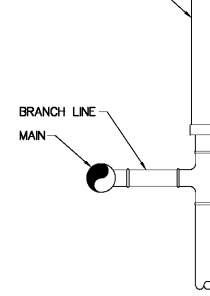


PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE, MODEL #, DESCRIPTION	ROUGH-IN			
		WASTE	VENT	CW	HW
FCO	FLOOR CLEANOUT ZURN Z1400 D.C.C.I. BODY ADJUSTABLE TO FINISHED FLOOR.	SEE PLAN	---	---	---
COTG	CLEANOUT TO GRADE ZURN Z1400-HD D.C.C.I. BODY ADJUSTABLE TO FINISHED GRADE WITH HEAVY DUTY TOP. SET IN 24"x24"x6" CONCRETE PAD.	SEE PLAN	---	---	---

WATER HAMMER ARRESTOR  
EQUAL TO PRECISION PLUMBING  
PRODUCTS MODEL WITH  
(SWEAT CONNECTION)

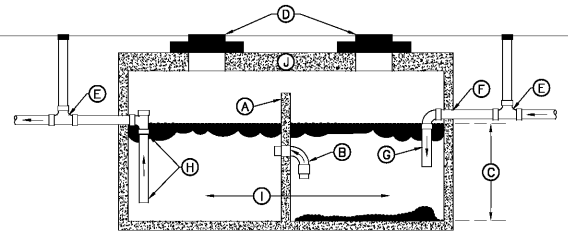


PPP SIZING CHART		
FIXTURE UNITS	SIZE (SWEAT)	PART NUMBER
1-11	1/2"	SWA-500
12-32	3/4"	SWA-750
33-60	1"	SWA-1000
61-113	1 1/4"	SWA-1250
114-154	1 1/2"	SWA-1500
155-330	2"	SWA-2000

**NOTES:**

1. PROVIDE A WATER HAMMER ARRESTOR ON EACH HOT WATER AND COLD WATER DROP.
2. ARRESTORS SHOULD ALWAYS BE INSTALLED SO THAT THERE IS AN UNOBSTRUCTED SHOCK PATH TO THE ARRESTOR.
3. ARRESTORS SHOULD ALWAYS BE PLACED AS NEAR TO THE SOURCE OF SHOCK AS POSSIBLE.

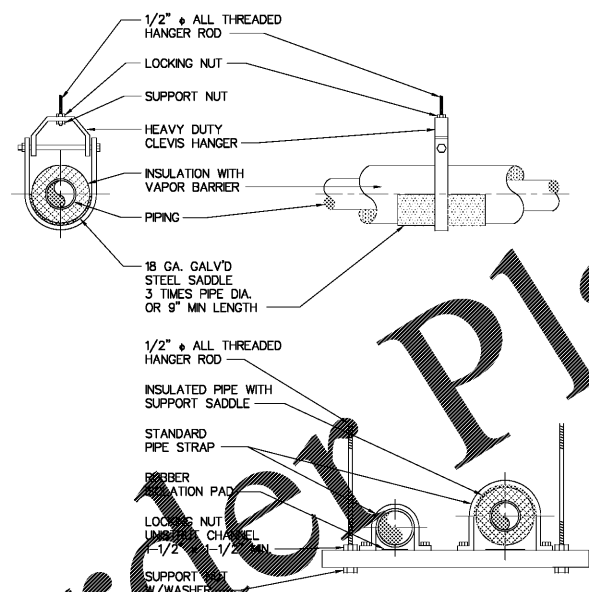
**WATER HAMMER ARRESTOR DETAIL**  
SCALE: NONE



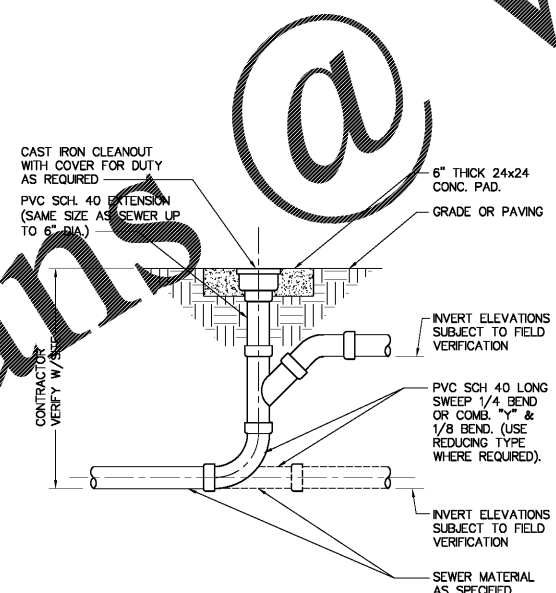
GREASE INTERCEPTOR DESIGNED IN ACCORDANCE WITH 2014 FLORIDA PLUMBING CODE

- A MINIMUM ONE BAFFLE THAT SHALL EXTEND THE FULL WIDTH OF THE INTERCEPTOR, EXTENDING FROM THE BOTTOM TO WITHIN 6" OF THE TOP.
- B BAFFLE IS REQUIRED TO HAVE MINIMUM 4" PIPE SIZE INVERTED LONG RADIUS ELBOW INSTALLED ON THE INLET COMPARTMENT SIDE WITH THE FITTING PLACED 12" ABOVE THE BOTTOM OF THE INTERCEPTOR.
- C MINIMUM LIQUID DEPTH OF 42" IN EACH COMPARTMENT IS REQUIRED.
- D EACH COMPARTMENT IS REQUIRED TO BE ACCESSED BY A MINIMUM 18" DIAMETER OR SQUARE OPENING.
- E TWO-WAY CLEANOUT IS REQUIRED ON THE INLET AND OUTLET SIDE OF THE INTERCEPTOR.
- F THE INLET PIPING IS REQUIRED TO ENTER THE INTERCEPTOR A MINIMUM OF 2-1/2" ABOVE THE INVERT OF THE OUTLET PIPING.
- G THE INLET PIPING IS REQUIRED TO TURN DOWN AND TERMINATE 24" BELOW THE WATER LEVEL.
- H THE OUTLET PIPING IS REQUIRED TO START 8" ABOVE THE BOTTOM OF THE INTERCEPTOR AND EXTEND VERTICALLY TO A TEE. THE TEE IS REQUIRED TO BE MINIMUM 4" PIPE SIZE WITH THE RUN IN THE VERTICAL ORIENTATION.
- I MINIMUM GREASE INTERCEPTOR SIZE IS 750 GALLONS.
- J GREASE INTERCEPTORS ARE REQUIRED TO BE ENGINEERED TO WITHSTAND ANTICIPATED LOADS SUCH AS VEHICULAR TRAFFIC.

**GREASE INTERCEPTOR**  
SCALE: NONE



**PIPE HANGER DETAIL**  
SCALE: NONE



**CLEANOUT TO GRADE DETAIL**  
SCALE: NONE

**PLUMBING GENERAL NOTES**

1. THE REQUIREMENTS OF THESE GENERAL NOTES SHALL APPLY TO ALL PLUMBING WORK. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE, STATE AND LOCAL CODES AND THE LATEST AMENDMENTS THERETO.
  2. THE WORK COVERED BY THIS CONTRACT CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SERVICE NECESSARY FOR AND REASONABLY INCIDENTAL TO THE PROPER COMPLETION OF ALL PLUMBING WORK SHOWN ON THE DRAWINGS AND SPECIFIED. MATERIALS OR PRODUCTS SPECIFIED BY TRADE NAME, MANUFACTURER'S NAME OR CATALOG NUMBER SHALL BE INTERPRETED AS ESTABLISHING A STANDARD OF QUALITY AND DESIGN. SUBSTITUTIONS SHALL NOT BE ALLOWED UNLESS THEY ARE SUBMITTED FOR REVIEW TO USE AND APPROVED BY THE ARCHITECT. FIXTURES BY ELJER, KOHLER OR AMERICAN-STANDARD ARE APPROVED EQUAL.
  3. FURNISH SIX (6) COPIES OF SHOP DRAWINGS OF EQUIPMENT OR FIXTURES FOR APPROVAL PRIOR TO PURCHASING.
  4. PLUMBING CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL, FIRE PROTECTION, MECHANICAL AND ALL OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS. SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE.
  5. ALL OPENINGS THROUGH FIRE RATED WALLS OR FLOORS SHALL BE SEALED WITH U.L. LISTED PENETRATION AND SHALL MAINTAIN THE FIRE RATED INTEGRITY OF THE WALL OR FLOOR. THE CONTRACTOR SHALL VERIFY FIRE RATINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. SUBMIT U.L. PENETRATION DETAILS WITH SHOP DRAWINGS FOR ENGINEER'S REVIEW. MINIMUM RATINGS SHALL BE AS FOLLOWS: WALLS - F=1, T=0; FLOOR - F=1, T=1.
  6. CONTRACTOR SHALL KEEP A RECORD OF THE LOCATIONS OF ALL CONCEALED WORK AND UPON COMPLETION OF THE JOB, SHALL SUPPLY AS-BUILT DRAWINGS SHOWING IN COLORED PENCIL ON BLACK LINE PRINTS ANY DEVIATION FROM THE ORIGINAL DRAWINGS. THESE DRAWINGS SHALL INDICATE DIMENSIONS OF BURIED UTILITY LINES FROM BUILDING WALLS.
  7. ALL WORK SHALL BE GUARANTEED, BOTH MATERIAL AND INSTALLATION, FOR PERIOD OF ONE YEAR FROM ACCEPTANCE BY OWNER.
  8. PROVIDE WALL CARRIERS FOR ALL WALL HUNG PLUMBING FIXTURES. ALL WALL HUNG PLUMBING FIXTURES SHALL BE CAPABLE OF SUPPORTING A 100 POUND VERTICAL LOAD.
  9. INSULATE P-TRAP AND SUPPLIES UNDER WORKING HANDICAPPED LAVATORY FOR ADA COMPLIANCE.
- SANITARY, WASTE AND VENT PIPING**
1. SANITARY, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC (ASTM-2665) WITH APPROVED PVC SOLVENT WELDED FITTINGS. COMPLY WITH FLORIDA BUILDING CODE. PVC PIPING SHALL NOT BE RUN IN RETURN AIR PLENUM OR FIRE RATED ASSEMBLIES.
  2. ALL SOIL AND WASTE PIPING 2-1/2" AND SMALLER, SHALL BE SLOPED AT 1/4" PER FOOT. LARGER WASTE PIPING SHALL BE SLOPED AT 1/8" PER FOOT.
  3. ALL VENTS THROUGH ROOF SHALL BE A MINIMUM OF 10'-0" OR AS REQUIRED BY CODE AWAY FROM FRESH AIR INTAKES.
  4. VENTS THROUGH ROOF SHALL BE PROVIDED WITH FOUR (4) POUND SHEET METAL FLASHING EXTENDING UPWARD AROUND THE PIPE AND TURNED DOWN WITH THE PIPE.
  5. TOILET WASTE DRAINS, IN TOILETS, SHALL BE CHROME PLATED BRASS WITH MATCHING ESCUTCHEONS.
  6. CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE OR SOIL STACK AT 18" A.F.F. MINIMUM, PER LATEST EDITION OF PLUMBING CODE.
  7. TEST SANITARY, WASTE AND VENT PIPING BY A 10' WATER COLUMN FOR TWENTY-FOUR (24) HOURS OR AS REQUIRED BY THE BUILDING DEPARTMENT.
  8. INSULATE ALL INTERIOR PORTIONS OF STORM/SANITARY DRAINAGE SYSTEMS RECEIVING CONDENSATE ONLY WASTE WITH 1/2" INCH THICK WALL FLEXIBLE ELASTOMERIC INSULATION EQUAL TO AP ARMAFLEX TO PREVENT CONDENSATION OUTSIDE THE PIPING.
- STORM PIPING**
1. STORM PIPING SHALL BE SCHEDULE 40 PVC (ASTM-2665 WITH APPROVED PVC SOLVENT WELDED FITTINGS. COMPLY WITH FLORIDA BUILDING CODE. PVC PIPING SHALL NOT BE RUN IN RETURN AIR PLENUM OR FIRE RATED ASSEMBLIES.
  2. INSULATE ALL HORIZONTAL STORM WATER PIPING WITH 1" THICK, 3-1/2 POUND DENSITY, RIGID FIBERGLASS INSULATION. INSULATE FITTINGS AND ALL SIMILAR ITEMS.

**GREASE INTERCEPTOR CALCULATIONS:**

FOR RESTAURANTS:  
 $S \times GS \times (HR/12) \times LF =$  GREASE INTERCEPTOR CAPACITY

SEATING CAPACITY(S)= 125  
 GALLONS OF WASTE WATER (GS)= 25  
 HOURS OF OPERATION (HR)= 12  
 LOADING FACTOR (LF)= 1.0 (MAIN HIGHWAY)

$125 \times 25 \times (12/12) \times 1.0 = 3,125$  GALLONS

(3) 1250 GALLONS + (1) 750 GALLONS

**WATER PIPING**

1. BELOW GROUND WATER PIPING SHALL BE (PVC) POLYVINYL CHLORIDE PLASTIC PIPE AND TUBING (ASTM-D-1785, ASTM-D-2241, ASTM-D-2672, CSA-B137.3) WITH APPROVED PVC SOLVENT WELDED FITTINGS. COMPLY WITH FLORIDA PLUMBING CODE.
  2. WATER PIPING SHALL BE (CPVC) CHLORINATED POLYVINYL CHLORIDE PLASTIC PIPE AND TUBING (ASTM-2846) WITH APPROVED CPVC SOLVENT WELDED FITTINGS. COMPLY WITH FLORIDA PLUMBING CODE.
  3. THE SITE SUBCONTRACTOR SHALL PROVIDE THE BACKFLOW PREVENTOR AND THE WATER METER.
  4. A SERVICE VALVE SHALL BE PROVIDED ON THE DOMESTIC WATER RISE AT 5'-0" ABOVE FINISHED FLOOR, WHERE WATER ENTERS THE BUILDING.
  5. PROVIDE EACH FIXTURE WITH STOPS AND SUPPLIES. EXPOSED STOPS SUPPLY PIPING SHALL BE CHROME PLATED, WITH A CHROME PLATED ESCUTCHEON PLATE.
  6. PROVIDE UNIONS FOR ALL CONNECTIONS TO EQUIPMENT. PROVIDE DIELECTRIC TYPE WHERE DISSIMILAR METALS ARE CONTACTED.
  7. INSULATE ALL HOT WATER PIPING WITH 1" THICK, 3-1/2 POUND DENSITY, RIGID FIBERGLASS INSULATION. INSULATE FITTINGS, ELBOWS AND ALL SIMILAR ITEMS. INSULATE WATER PIPING AND P-TRAP BELOW ALL HANDICAPPED LAVATORIES.
  8. PROVIDE WATER HAMMER PROTECTION EQUAL TO PRECISION PLUMBING PRODUCT "SWA" SERIES) AT EACH FIXTURE OR GROUP OF SIMILAR FIXTURES. FIELD FABRICATED MODELS ARE NOT ACCEPTABLE.
  9. PROVIDE VACUUM BREAKERS AS REQUIRED BY CODE.
  10. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS AS REQUIRED BY CODE.
  11. TEST ALL WATER PIPING AT 100 PSIG FOR TWENTY-FOUR (24) HOURS OR AS REQUIRED BY CODE.
  12. STERILIZE ALL WATER PIPING IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS AND AMERICAN WATER WORKS SPECIFICATIONS.
  13. SUPPORT ALL WATER PIPING WITH PIPE HANGERS BY GRINNELL OR APPROVED EQUAL.
  14. PROVIDE ACCESS PANELS FOR VALVES CONCEALED IN WALLS OR CEILING PLENUMS.
- GAS PIPING**
1. GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE FLORIDA FUEL GAS CODE OR NFPA-54 WHERE REQUIREMENTS ARE MORE STRINGENT.
  2. ALL GAS EQUIPMENT SHALL BE AGA APPROVED.
  3. THE INSTALLATION SHALL BE FOR NATURAL GAS.
  4. THE INSTALLING SUBCONTRACTOR SHALL BE LICENSED FOR THE INSTALLATION OF NATURAL GAS.
  5. ABOVE GROUND GAS PIPING SHALL BE SCHEDULE 40, WELDED AND SEAMLESS, WROUGHT STEEL PIPE (ASME B36.10) WITH THREADED FITTINGS. UNDERGROUND GAS PIPING SHALL BE POLYETHYLENE (PE) PIPE (ASTM D-2513). PROVIDE WITH TRACER WIRE OR MAGNETIC TAPE.
  6. ANY GAS PIPING, WHICH IS EXPOSED, SHALL BE PAINTED WITH BLACK "RUSTOLEUM" PAINT VERIFY COLOR WITH ARCHITECT.
  7. GAS PIPING SHALL BE HUNG TIGHT TO THE ROOF STRUCTURE, SUPPORTED WITH HANGERS BY GRINNELL OR EQUAL.
  8. BRANCH TAPS MUST BE MADE OFF OF THE TOP OF THE PIPING.
  9. CONNECTION TO EACH PIECE OF EQUIPMENT SHALL INCLUDE AN INVERTED TRAP, A GAS COCK, A UNION AND A DIRT LEG. CONNECTIONS SHALL BE RIGID (NO FLEX).
  10. ALL GAS FLUES SHALL BE MINIMUM OF 10'-0", OR AS REQUIRED BY CODE, AWAY FROM FRESH AIR INTAKES.

**WATER DEMAND (TENANT)**

ABBR.	FIXTURE	CW EACH	HW EACH	TOTAL EACH	QTY EACH	TOTAL ALL
---	FUTURE	---	---	---	---	---
---	FUTURE	---	---	---	---	---
---	FUTURE	---	---	---	---	---
TOTAL WSFU						
TOTAL GPM		12.8 GPM		PIPE SIZE= 3/4"		

**WATER DEMAND (TENANT)**

ABBR.	FIXTURE	CW EACH	HW EACH	TOTAL EACH	QTY EACH	TOTAL ALL
---	FUTURE	---	---	---	---	---
---	FUTURE	---	---	---	---	---
---	FUTURE	---	---	---	---	---
TOTAL WSFU						
TOTAL GPM		43.5 GPM		PIPE SIZE= 1"		

**WATER DEMAND (TENANT)**

ABBR.	FIXTURE	CW EACH	HW EACH	TOTAL EACH	QTY EACH	TOTAL ALL
---	FUTURE	---	---	---	---	---
---	FUTURE	---	---	---	---	---
---	FUTURE	---	---	---	---	---
TOTAL WSFU						
TOTAL GPM		65 GPM		PIPE SIZE= 2"		

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 ARCHITECTURE INTERIORS  
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WEST PALM BEACH RETAIL BUILDING

1560 PALM BEACH LAKES BLVD  
 WEST PALM BEACH, FL 33401

A NEW DEVELOPMENT FOR:

THIS DRAWING HAS BEEN ISSUED.  
 FOR REVIEW ONLY  
 FOR PERMITTING ONLY  
 SCHEMATIC DESIGN  
 DESIGN DEVELOPMENT  
 CONSTRUCTION DOCUMENTS

Drawing Title: PLUMBING NOTES AND SCHEDULES

Date: 05/24/17

Designed By: LR  
 Drawn By: LR  
 Reviewed By: JS

Comm. No. 170217

Revisions:

Order Plans @