

PLUMBING/PIPING NOTES

- COORDINATE ALL PIPE ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION. ROUTE ALL PIPING TO AVOID DUCTWORK, ELECTRICAL RACEWAYS AND BUILDING STRUCTURE. IF PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE REQUIRED FOR PLUMBING INSTALLATIONS, NOTIFY STRUCTURAL ENGINEER PRIOR TO INSTALLATION TO INSURE THAT STRUCTURAL INTEGRITY IS MAINTAINED.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT AS SPECIFICALLY NOTED.
- PIPE ROUTING IS DIAGRAMMATIC AND IS INTENDED TO INDICATE GENERAL ROUTING. PLUMBING CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN FIELD.
- ALL PLUMBING INSTALLATIONS AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH FLORIDA 2007 PLUMBING CODE WITH 2009 SUPPLEMENT, APPLICABLE ADA REGULATIONS AND AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
- PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS.
- DRAINAGE PIPING 3" AND LARGER SHALL SLOPE NO LESS THAN 1/8" FALL PER FOOT. PIPING LESS THAN 3" SHALL SLOPE A MINIMUM OF 1/4" PER FOOT.
- VERIFY INVERT ELEVATIONS AND EXACT LOCATIONS AND SIZES OF ALL UTILITIES WHICH ARE TO BE CONNECTED BEFORE INSTALLATION.
- ALL VENTS THROUGH ROOF SHALL BE MINIMUM 10'-0" FROM AIR INTAKES.
- PLUMBING CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR MATERIALS.
- INSTALL ISOLATION VALVES AT EACH DOMESTIC WATER BRANCH TAKEOFF AND INSTALL UNION AT EACH PIECE OF EQUIPMENT, FIXTURE AND APPLIANCE SERVICE POINT CONNECTION.
- INSTALL PRESSURE REDUCING VALVES ON BRANCH LINES SERVING FIXTURES AND/OR EQUIPMENT, WHEN WATER PRESSURE EXCEEDS 60 PSI.
- WASTE, TRAP AND VENT SIZES SHALL BE IN ACCORDANCE WITH APPLICABLE CODES.
- SOIL, WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 PVC. ALL MATERIALS AND INSTALLATION PRACTICES SHALL BE IN STRICT ACCORDANCE WITH THE LATEST APPLICABLE STATE AND LOCAL CODES.
- ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER, FITTINGS ARE NOT PERMITTED BELOW SLAB OR GRADE. SANITIZE ALL PIPING SYSTEMS PER CODE. CONTRACTOR SHALL PROVIDE ALTERNATE PRICING FOR "FLOGUARD GOLD" CPVC DOMESTIC WATER PIPING WITH SOLVENT WELDED FITTINGS.
- SUPPORT ALL PIPING SYSTEMS IN ACCORDANCE WITH APPLICABLE CODES AND WITH INDUSTRY STANDARDS FOR HANGER AND WALL MOUNTED SUPPORT SYSTEMS.
- ALL COPPER PIPE PENETRATIONS THROUGH CONCRETE FLOORS SHALL BE INSTALLED WITH SLEEVE THROUGH FLOOR. 3M FIRECAULK SPACE BETWEEN PIPE AND SLEEVE.
- CONTRACTOR REVIEW ARCHITECTURAL SHEETS FOR LOCATIONS OF FIRE RATED WALLS, FLOORS AND CHASES. TRANSITION PVC PIPE TO CAST IRON DWV AT FIRE RATED WALL PENETRATIONS AND 3M FIRECAULK PENETRATION FROM BOTH SIDES OF WALL. COPPER PIPE PENETRATIONS OF FIRE RATED WALLS SHALL BE SEALED FROM BOTH SIDES OF WALL USING 3M FIRECAULK.
- CONTRACTOR SHALL REUSE EXISTING PLUMBING SYSTEMS AS POSSIBLE. CAP PLUMBING SYSTEMS NOT BEING REUSED. CLEAN INTERIOR OF ALL SANITARY PIPING SYSTEMS BEING REUSED.
- INSULATE ALL HOT WATER PIPING SYSTEMS WITH MINIMUM 1" THICK R=6.8 CLOSED CELL FOAM INSULATION. ARMAFLEX, IMCOA, OR EQUAL.

PLUMBING FIXTURE SCHEDULE

ALL PLUMBING FIXTURES ARE BASIS OF DESIGN. SUBSTITUTIONS OF "EQUAL" EQUIPMENT MAY BE SUBMITTED FOR APPROVAL. ALL PLUMBING FIXTURES TO BE WHITE UNLESS NOTED.

FOR KITCHEN EQUIPMENT SPECIFICATIONS SEE KITCHEN EQUIPMENT DRAWINGS FOR MORE INFORMATION, ALL KITCHEN EQUIPMENT IS OWNER PROVIDED AND CONTRACTOR INSTALLED.

ALL KITCHEN EQUIPMENT ARE TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR

FD: FLOOR DRAIN: "ZURN" ZN-415-P WITH TYPE "B" ROUND STRAINER AND TRAP PRIMER CONNECTION. SIZE AS INDICATED ON DRAWINGS. EACH FLOOR DRAIN TRAP SEAL SHALL BE PROTECTED BY AN APPROVED TRAP PRIMER LOCATED AT THE CLOSEST FREQUENTLY USED FIXTURE. INSTALL FOR POSITIVE DRAINAGE OF FLOOR.

FS-1: FLOOR SINK: "ZURN" Z-1910 8"x8"x6" DEEP FLOOR SINK WITH 1/2 GRATE.

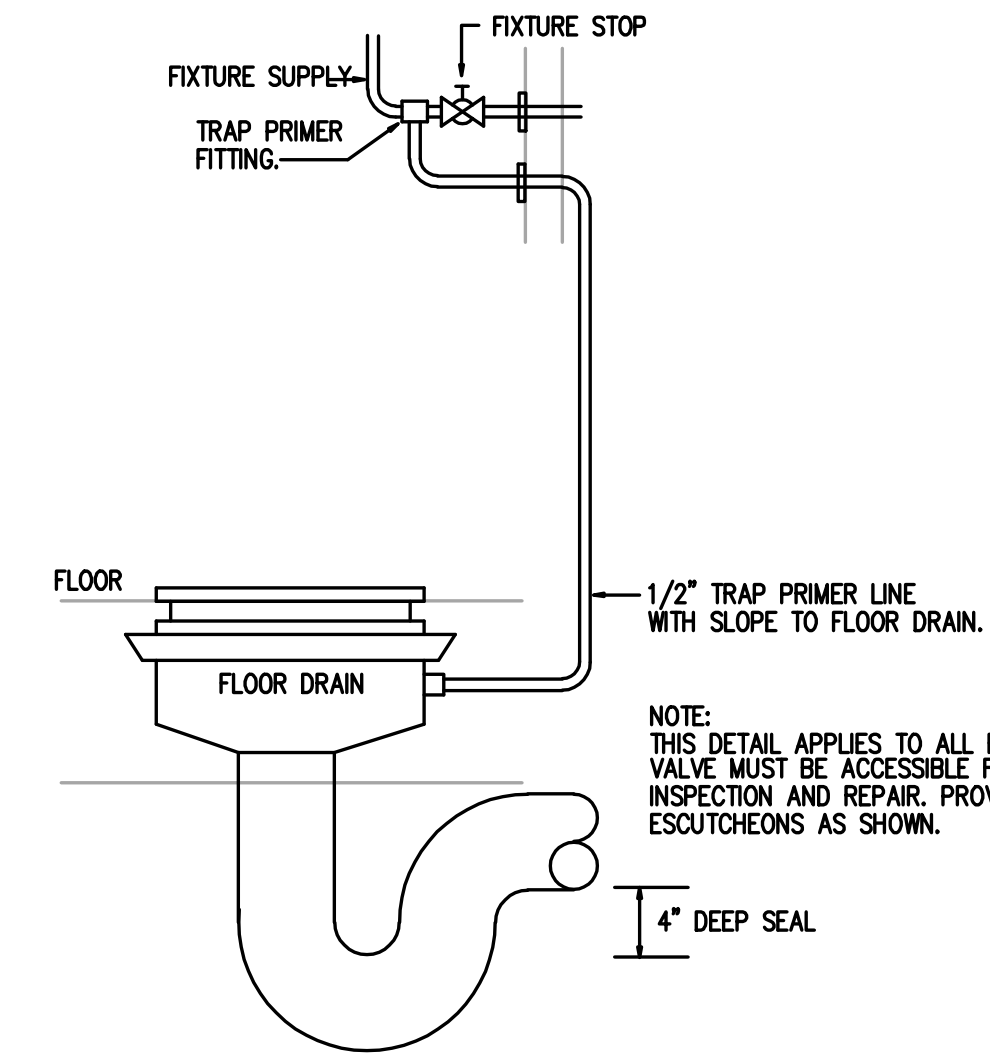
FS-2: FLOOR SINK: "ZURN" Z-1902 12"x12"x10" DEEP FLOOR SINK WITH 1/2 GRATE.

FLOOR ACCESS COVER: "ZURN" Z-1400 ROUND WITH SCORATED NICKEL BRONZE TYPE COVER SUITABLE FOR OUTDOOR INSTALLATIONS. PROVIDE COVER SUITABLE FOR CARPET OR TILE INSERT FOR INDOOR INSTALLATIONS.

WALL ACCESS COVER: "ZURN" Z-1469 ROUND STAINLESS STEEL TYPE.

PROVIDE AND INSTALL WATER HAMMER ARRESTOR "ZURN" MODEL Z-1700 SIZED AS REQUIRED BY THE TABLE BELOW. INSTALL PER MANUFACTURER'S RECOMMENDATIONS IN LOCATIONS AS RECOMMENDED BY P.D.I. STANDARDS.

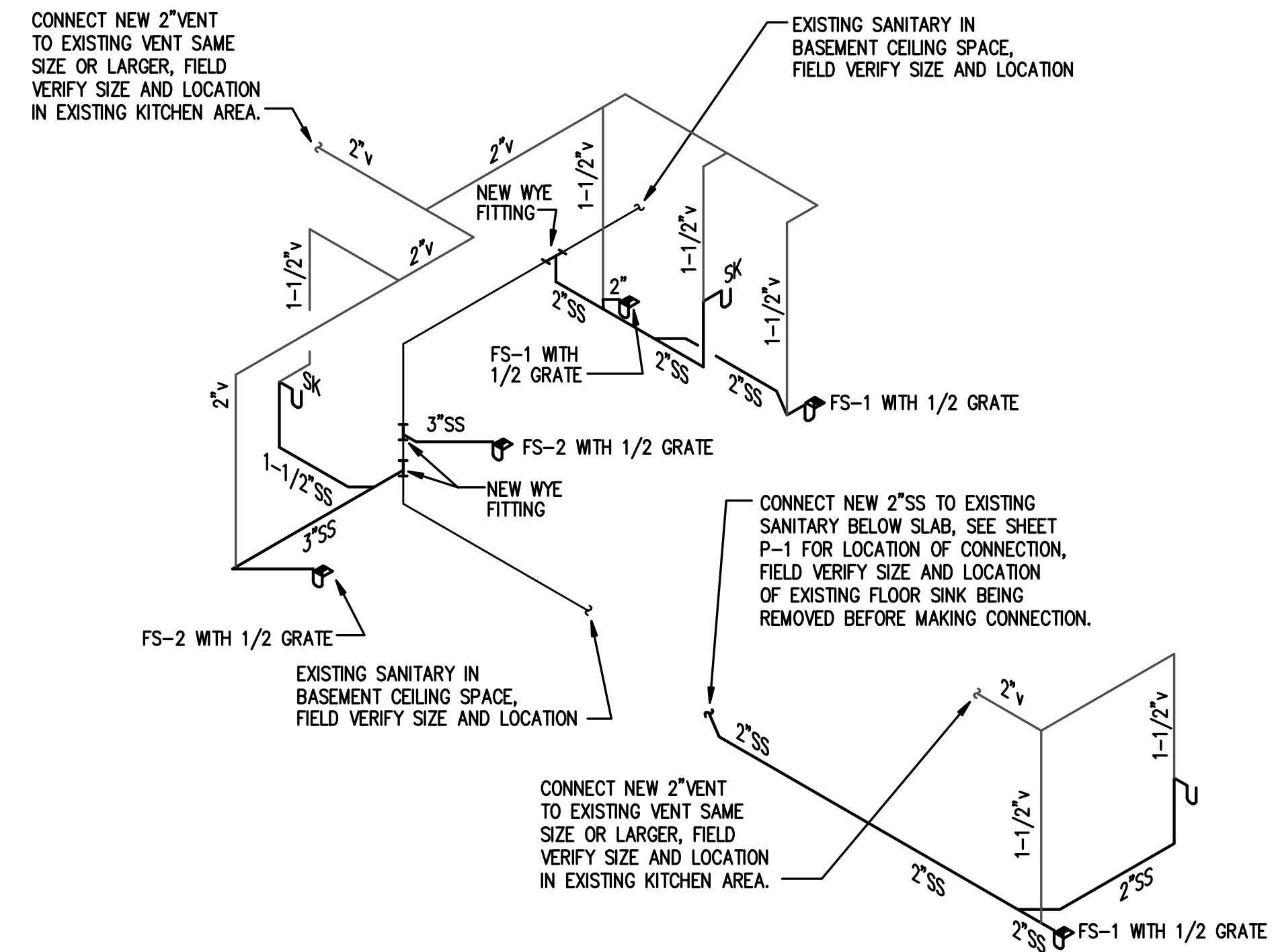
P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330



NOTE: THIS DETAIL APPLIES TO ALL FLOOR DRAINS. VALVE MUST BE ACCESSIBLE FOR INSPECTION AND REPAIR. PROVIDE ESCUTCHEONS AS SHOWN.

TRAP PRIMER RESEAL DETAIL

NOT TO SCALE



SANITARY, WASTE & VENT ISOMETRIC

NOT TO SCALE

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Project:

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TOWERS
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SERVING AREA
RENOVATION
70 WEST LUCERNE
ORLANDO, FL
32801

Scope Drawings:

These drawings include the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

The drawings do not necessarily include or describe all work required for full performance and completion of the requirements of the contract.

On the basis of the general scope included or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

Drawing Title:

PLUMBING
NOTES, DETAILS
SCHEDULES
AND ISO

Revisions:

Issue Date	Drawn By	Checked By
05/14/10	J EIERMANN	EIERMANN

Certified By:

KENNETH L. EIERMANN P.E.
FLA. REG. #30761

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P-3

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10023

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