

THIS DOCUMENT CONTAINS COPYRIGHTED MATERIAL AND IS MADE SECRETE INFORMATION BEING LOANED EXCLUSIVELY TO WILLIAMSON DACAR ASSOCIATES, INC. FOR THE PROJECT DESCRIBED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WILLIAMSON DACAR ASSOCIATES, INC.

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2014 EDITION.
2. DRAWINGS: REFER TO ALL DRAWINGS FOR COORDINATION OF THE PLUMBING WORK. DRAWINGS ARE DIAGRAMMATIC FOR ANY AND ALL DIMENSIONING OF SPECIFIC LOCATION SEE ARCHITECTURAL DRAWINGS OR MANUFACTURER'S REQUIREMENTS.
3. CONTRACTOR SHALL ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER.
4. GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL AND LABOR.
5. ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT $\frac{1}{4}$ INCH PER FOOT MINIMUM FOR 3" AND LARGER AND AT $\frac{1}{8}$ " SLOPE FOR 2" PIPES AND SMALLER. UNLESS OTHERWISE STATED.
6. DISTANCE OF TRAP FROM VENT. EACH FIXTURE TRAP SHALL HAVE A PROTECTING VENT LOCATED SO THAT THE SLOPE AND THE DEVELOPED LENGTH IN THE FIXTURE DRAIN FROM THE TRAP WEIR TO THE VENT FITTING ARE WITHIN THE REQUIREMENTS SET FORTH IN TABLE 909.1
7. THE WORK THAT IS TO BE DONE UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS AND EQUIPMENT, PERMITS, FEES, INSPECTIONS, TESTS AND INSURANCE, REQUIRED FOR THE COMPLETION OF THE SYSTEMS AS SHOWN ON THE DRAWINGS AND/OR LISTED BELOW. CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE BIDDING AND FAMILIARIZE HIMSELF WITH EXISTING EQUIPMENT, SYSTEMS AND BUILDING STRUCTURE.
8. ALL EXISTING LOCATIONS ARE TAKEN FROM EXISTING DRAWINGS AND KNOWN FIELD CONDITIONS. IT SHALL BE WITHIN THE CONTRACTOR'S SCOPE OF WORK TO VERIFY FIELD DIMENSIONS OF EXISTING EQUIPMENT OR SYSTEMS PRIOR TO DEMOLITION OR FABRICATION OF NEW WORK WHICH IS TO BE CONNECTED TO THE EXISTING. CONTRACTOR SHALL MAKE OFFSETS AS REQUIRED IN NEW AND/OR EXISTING PIPING AND CONDUIT TO ACCOMMODATE THE NEW WORK.
9. ALL WORK SHALL BE COORDINATED WITH EXISTING TRADES AND IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS. ALL DOWN TIME TO BE COORDINATED WITH OWNER IN WRITING, AND SHALL BE BID AS PREMIUM TIME. ALL DOWN TIME WORK SHALL BE PERFORMED AT NIGHT OR AS DIRECTED BY THE OWNER.
10. ALL HOLES CREATED IN CEILING, PARTITIONS, ETC. AS A RESULT OF DEMOLITION SHALL BE PATCHED BACK TO MAINTAIN THE EXISTING FIRE AND SMOKE INTEGRITY.
11. SLEEVE AND FIRE STOP PENETRATIONS OF RATED WALLS, FLOORS, CEILINGS AND ROOFS. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
12. ALL MATERIAL, EQUIPMENT, AND APPARATUS SHALL BE NEW, EXCEPT THAT CALLED FOR AS BEING REUSED OR FURNISHED BY OTHERS. ALL MATERIAL SHALL BE APPROVED BY THE ARCHITECT/ENGINEER BEFORE INSTALLATION.
13. CONTRACTOR SHALL CONNECT WATER AND WASTE TO EQUIPMENT FURNISHED BY OTHERS AS INDICATED ON DRAWINGS. ALL FIXTURES TO BE PROTECTED AGAINST WATER HAMMER BY SHOCK ARRESTERS.
14. ALL PIPING IS TO BE PLENUM RATED WHERE EXPOSED TO PLENUM. WALLS/CHASE OR OPENING THAT IS EXPOSED TO PLENUM THAT HAS PIPING INCLUDED.
15. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL, WITHIN 30 DAYS OF SIGNING CONTRACT, A MINIMUM OF 5 COPIES OF FULLY DESCRIPTIVE, LITERATURE, INCLUDING BUT NOT LIMITED TO: WATER HEATERS, AND PLUMBING FIXTURES. NO WORK SHALL PROCEED WITHOUT THE APPROVAL OF THESE SUBMITTALS.
16. WHERE CONNECTION TIES INTO HORIZONTAL STACK THE CONNECTION SHALL BE A MINIMUM OF 10X THE STACK DIAMETER DOWNSTREAM OF THE VERTICAL TO HORIZONTAL TRANSITION. UNLESS OTHERWISE STATED.
17. SANITARY TEE CAN BE USED ONLY IN THE VERTICAL POSITION. TEE WYE CAN BE USED FOR BOTH HORIZONTAL AND VERTICAL ASSEMBLY.
18. SHORT TURN FITTINGS SHOULD NEVER BE INSTALLED ON HORIZONTAL PIPING, BUT MAY BE USED VERTICALLY WHEN TRANSFERRING TO A HORIZONTAL.
19. PIPING IS NEVER TO RUN OVER ELECTRICAL EQUIPMENT.
20. ENGINEER IS TO BE IMMEDIATELY NOTIFIED IF THIS OCCURS.
21. PROVIDE ACCESS PANELS TO ALL VALVES, HAMMER ARRESTORS AND STUDDOR VENTS LOCATED WITHIN CHASES OR NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
22. IN THE EVENT A BEAM SLEEVE PENETRATION IS REQUIRED, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
23. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
24. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE FBC (PLUMBING). PROVIDE TRAP PRIMER CONNECTION TO ALL FLOOR DRAINS, SLEEVE ALL SOFT COPPER PENETRATIONS THROUGH RATED PENETRATIONS AND FIRESTOP.
25. THERE SHALL BE NO LENGTH GREATER THAN 2' FROM THE VENT CONNECTION FOR ANY FUTURE DRAIN OUTLETS.
26. INSULATE ALL STORM WATER HORIZONTAL PIPING, OFFSETS AND THE BODIES OF ALL ROOF DRAINS TO PREVENT CONDENSATION.

PLUMBING GENERAL NOTES

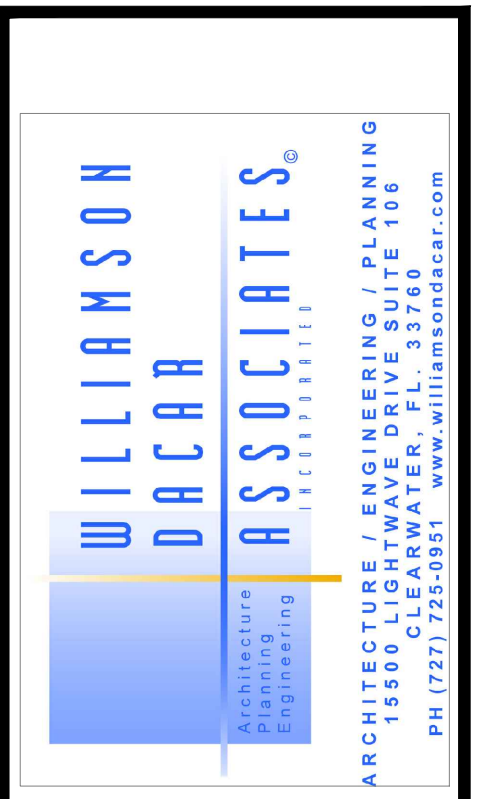
27. ALL HOT AND COLD WATER PIPING SHALL BE COPPER TYPE-L, SFBC 46041(C) COMPATIBLE UNLEADED SOLDER AND DIELECTRIC FITTINGS AS REQUIRED. PIPE INSULATION SHALL BE PROVIDED FOR ALL HOT WATER AND HOT WATER RETURN PIPING WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET, FLAME SPREAD OF 25 OR LESS, SMOKE DEVELOPED RATING OF LESS THAN 50, OWENS CORNING OR APPROVED EQUAL.
28. COMPATIBLE UNLEADED SOLDER AND DIELECTRIC FITTINGS AS REQUIRED. DIELECTRIC FITTINGS TO BE PROVIDED AT CONNECTIONS BETWEEN TWO DIFFERENT TYPES OF METAL PIPING.
29. SANITARY WASTE AND VENT PIPING SHALL BE INSTALLED w/NO-HUB JOINTS. ALL HORIZONTAL RWL PIPING SHALL HAVE 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET, FLAME SPREAD OF 25' OR LESS, SMOKE DEVELOPED RATING OF LESS THAN 50, OWENS CORNING OR APPROVED EQUAL.
30. CONTRACTOR TO PROVIDE SHUT-OFF VALVES ON ALL HOT AND COLD WATER LINES AT CONNECTION TO MAIN LINES.
31. PLUMBING FIXTURES:
32. FIXTURES SHALL BE COMPLETE WITH DRAINS, TRAPS, $\frac{1}{4}$ TURN VALVES, BRAIDED SUPPLY HOSE AND ANY OTHER ACCESSORY REQUIRED.
33. MATERIALS:
 - A. PIPING:
 - a. SOIL, WASTE AND VENT: SANITARY PIPE, PVC, DWV, SCHEDULE 40, STANDARD WEIGHT CAST IRON, EPOXY COATED SCH 40 CAST IRON. MUST BE CISPI APPROVED. FOAM CORE WILL NOT BE ACCEPTABLE
 - b. DOMESTIC WATER AND HEATING HOT WATER: COPPER PIPE, TYPE "L" WITH SWEAT WROUGHT COPPER FITTINGS. TYPE "M" IN CONCEALED PACES IS ACCEPTABLE. ISOLATE PIPING FROM CONCRETE WITH INSULATING MATERIAL.
 - c. CONDENSATE DRAIN: COPPER TYPE "L" ABOVE SLAB ON GRADE. DWV PVC UNDERGROUND.
 - d. DOMESTIC WATER SUPPLY ASSEMBLY: CHROME FINISH TUBING, WITH QUARTER TURN ANGLE SHUT OFF BALL VALVE
 - e. INSULATION: INSULATE ALL HORIZONTAL PIPING WITH 1" THICK FIBERGLASS INSULATION, WITH SELF SEALING JACKET. INSULATE CONDENSATE PIPING AND STORM WATER PIPING WITH 1/2" ELASTOMERIC INSULATION.
 - f. SANITARY PIPING: SCHEDULE 40 CAST IRON, PVC
 - g. STORM WATER PIPING: SCHEDULE 40 CAST IRON, PVC, DWV FOAM CORE WILL NOT BE ACCEPTABLE.
 - h. PIPING IN PLENUMS SHALL BE CAST IRON OR FIRE RATED.
34. ALL WATER HEATERS SHALL MEET THE STANDARDS OF THE LATEST ENERGY EFFICIENCY CODE.
35. PIPING TESTING AND CLEANING:
 - A. TEST: ALL SANITARY AND DOMESTIC WATER SUPPLY PIPING SHALL BE TESTED FOR LEAKS BEFORE PIPING IS CONCEALED OR CONNECTED TO EQUIPMENT AND PLUMBING FIXTURES.
 - B. DISINFECTION: ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED BY INTRODUCING A SOLUTION OF CALCIUM HYPOCHLORITE OF 50 PARTS PER MILLION OF CHLORIDE AND AS PER AWWA STANDARDS.
36. VALVES: DOMESTIC WATER VALVES SHALL BE OF BRONZE BODY, SWEAT ENDS.
37. ALL EXTERIOR CLEAN OUTS SHALL BE TERMINATED UP TO GRADE AND SHALL BE MARKED. COVER SHALL BE INCLUDED.
38. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY, STORM DOMESTIC WATER, AND CONDENSATE PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS.
39. CONTRACTOR SHALL PROVIDE FOR EXISTING VALVES NOT CLOSING WHEN CONNECTING TO EXISTING PIPING IN BID.
40. CONTRACTOR SHALL PROVIDE STOP VALVES AND VACUUM BREAK BEFORE ALL OPERATING HANDLES AND FAUCETS, WHERE REQUIRED.
41. UNDER GROUND WATER PIPING SHALL BE 2' MINIMUM AWAY FROM SANITARY PIPING. WHERE WATER LINE AND SANITARY LINE CROSS, WATER SHALL BE INSTALLED MINIMUM OF 12" ABOVE SANITARY AND SHALL BE EITHER SCHEDULE 40 PVC OR DOUBLE WALLED PIPING.
42. PIPES PASSING THROUGH CONCRETE, CINDER OR OTHER CORROSIVE MATERIAL SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY A PROTECTIVE SHEATHING OR WRAPPING AS PER THE FBC 305.1.
43. ALL PIPING BEING INSTALLED WITHIN A PLENUM ARE TO BE PLENUM RATED. IN THE EVENT THAT THERE IS EXISTING PIPING WITHIN A PLENUM CONTRACTOR SHALL FIRE WRAP OR USE OTHER MEANS TO MAKE THE PIPING PLENUM RATED. FIRE CAULK AT PIPING PENETRATIONS SHALL ALSO BE PROVIDED TO MAINTAIN PLENUM RATING.
44. ALL PRODUCTS SHALL BE MANUFACTURED WITHIN THE UNITED STATES WHERE POSSIBLE. PIPING AND RAW MATERIALS WITH ORIGINS OUTSIDE OF THE UNITED STATES SHALL BE IDENTIFIED AS PART OF THE BID. PIPING, BOLTS, FITTINGS AND MISCELLANEOUS METAL PRODUCTS ORIGINATING FROM CHINA WILL NOT BE PERMITTED.
45. PRODUCTS USED FOR THIS PROJECT SHALL COMPLY WITH APPLICABLE UNITED STATES STANDARDS. COMPLIANCE WITH A FOREIGN STANDARD AS AN ALTERNATE SHALL NOT BE ACCEPTED.
46. MAXIMUM DISTANCE OF FIXTURE TRAP FROM VENT TO BE DETERMINED BY TABLE 909.1 OF THE FBC (PLUMBING).

PLUMBING GENERAL NOTES

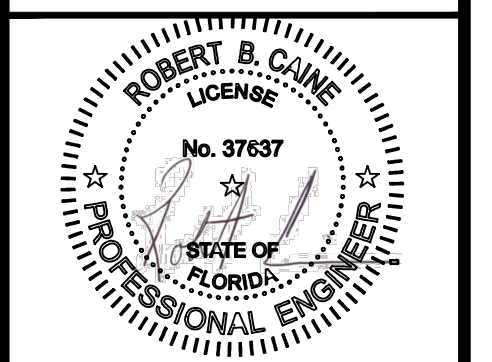
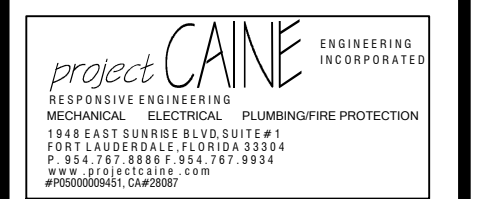
DWG. NO.	DRAWING DESCRIPTION
P-0.0	PLUMBING INDEX/NOTES/SYMBOLS
P-2.1	PLUMBING FLOOR PLAN
P-2.2	PLUMBING ROOF PLAN
P-6.1	PLUMBING ISOMETRICS
P-6.2	PLUMBING ISOMETRICS
P-7.1	PLUMBING DETAILS

PLUMBING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	SANITARY LINE
	VENT LINE
	COLD WATER LINE
	RAIN WATER LEADER
	CLEAN OUT
HW	HOT WATER
CW	COLD WATER
CO	CLEAN OUT
SOV	SHUT OFF VALVE
VTR	VENT THRU ROOF
RWL	RAIN WATER LEADER (STORM WATER)
RD	ROOF DRAIN
OD	OVERFLOW DRAIN

PLUMBING FIXTURE SCHEDULE			
NAME	FIXTURE	MODEL #	ACCESSORIES
RD	ROOF DRAIN AND OVERFLOW DRAIN COMBINATION	Z163	OVERFLOW GOOSENECK DRAIN-DOWN SPOUT NOZZLE Z199



Architect: AA 0002541
Engineering: EB 0006884



WELLINGTON GREEN PARCEL 'F'
PHASE II RETAIL "H" MODIFICATION

2546 SOUTH STATE ROAD 7
WELLINGTON, FLORIDA 33414

Revisions of Drawings		
No.	Date	Revisions

Issues of Drawings		
No.	Date	Issues
1	06.15.16	100% CD - PERMIT SET

Phase:
Checked:
Drawn: BDL

Drawing Title
PLUMBING INDEX/NOTES

WDA Proj. No.: 1526-01

Owner Proj. No.:

Scale: AS NOTED

Sheet No.

P-0.0

No. of Sheets: