

CODES, RULES AND ORDINANCES.

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY
DANIEL RIVEROS P.E. ON 6/11/2021
USING A DIGITAL SIGNATURE
PRINTED COPIES OF THIS DOCUMENT
ARE NOT CONSIDERED SIGNED AND
SEALED AND THE SHA
AUTHENTICATION CODE MUST BE
VERIFIED ON ANY ELECTRONIC
COPIES
DANIEL RIVEROS

FLORIDA PE #73152

DOMESTIC COLD WATER PIPING HOT WATER PIPING (110°) CONDENSATE PIPING FOR THE PRESSURE RELIEF SD STORM DRAIN PIPING GAS PIPING GAS PIPING FOR PIPE RISE OR DROP FOR PIPE RISER UP CAPPED END OF PIPE CO CLEAN OUT DOMESTIC COLD WATER PIPING HOT WATER PIPING (110°) CONDENSATE PIPING FOR POINT OF CONNECTION ODO P-TRAP CONDENSATE PIPING TEMPERATURE AND PRESSURE RELIEF FOR STORM DRAIN PIPING POINT OF CONNECTION ODO P-TRAP CONDENSATE PIPING TEMPERATURE AND PRESSURE RELIEF TO STORM DRAIN PIPING FOR POINT OF CONNECTION TO STORM DRAIN PIPING TO STORM DRAI

PLUMBING LEGEND

SANITARY SEWER PIPING

GATE VALVE

BALANCING VALVE

WATER HAMMER ARRESTER

CHECK VALVE

FD FLOOR DRAIN

CONTRACTOR TO VERIFY EXISTENCE OF EXISTING ITEMS AND CONTACT

2" MIN. SIZE UNDER SLAB DRAIN . 2" OR LESS DRAIN @ 1/4" DROP 3" @ 1/8"

S.O.V. SHUT-OFF VALVE

HWR HOT WATER RETURN

HOSE BIBB

FD FLOOR DRAIN

CW COLD WATER

HW HOT WATER

4" @ 1/8"

ALL WATER PIPING OVERHEAD.

NO JOINTS UNDERGROUND FOR COPPER.

PLUMBING FIXTURES SHALL COMPLY WITH

NO JOINTS UNDERGROUND FOR COPPER.
PLUMBING FIXTURES SHALL COMPLY WITH FBC. 604.
CONTRACT. TO PROVIDE AND INSTALL ANTI-SCALDING VALVE FOR

TUBS/SH. WATER HAMMER ARRESTORS AS PER FBC P-604.9.

ENGINEER SHOULD ANY DISCREPANCIES OCCUR

PLUMBING KEY NOTES

- EXISTING FIXTURE TO BE REPLACED ONLY, REUSE EXISTING CW,HW AND SANITARY CONNECTIONS
- 2 EXISTING BATHTUB TO BE CONVERTED INTO SHOWER. REUSE EXISTING CW&HW AND SANITARY LINE. CONTRACTOR TO VERIFY LOCATION.
- 3 NEW TOILET TO BE CONNECT TO EXISTING CW&HW AND SANITARY LINE. CONTRACTOR TO VERIFY LOCATION.

PLUMBING NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL
- PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
 ALL MATERIALS SHALL BE NEW.
- 4. 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 BACK FILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS
- CONTRACT.

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

 6. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND
- BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.

 7. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING,

TESTS, PLUMBING CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO

- DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING EQUIPMENT, ETC.
 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.

 9. VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO
- BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.

 10. WATER PIPING SHALL BE TYPE "M" COPPER OR CPVC FOR 2" AND UNDER. ALL UNDERGROUND
 WATER PIPING SHALL BE TYPE "L" COPPER ENCASED IN BLACK POLY PIPE.
- WATER PIPING SHALL BE TYPE "L" COPPER ENCASED IN BLACK POLY PIPE.

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

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

 5. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD.
- 16. 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.

 17. 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 IS ISSUED. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE WITHIN 72 HRS. OF NOTIFICATION AND SHALL INCLUDE REPLACEMENT OR
- REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.

 18. STUDOR MINI/MAXI AIR ADMITTANCE VALVES MAY BE USED AS AN ALTERNATE TO VENT PIPING
 THRU ROOF WHERE ACCEPTABLE BY THE PLUMBING OFFICIAL AND LOCAL CODES. INSTALLATION
 SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE CHROME PLATED COMBINATION COVER PLATE AND CLEAN OUT PLUG OR ACCESS PANEL FOR ALL WALL CLEAN OUTS.
 NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE
- USED AS RETURN AIR PLENUMS.

 21. NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL OR ELEVATOR
 FOLIDMENT ROOMS
- EQUIPMENT ROOMS.

 22. WATER PIPING INSULATION SHALL BE 1" THICK ARMAFLEX INSTALLED IN ACCORDANCE WITH MANUFACTURERS 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.

 23. CONDENSATE DRAIN LINES TO BE RUN UNDER/ABOVE 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

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

 25. NO JOINTS UNDERGROUND FOR COPPER.
- 26. PLUMBING FIXTURES SHALL COMPLY WITH F.B.C. 604.

 27. WATER HAMMER ARRESTORS AS PER F.B.C. P-604.9. 28. PLUMBING CONTRACTOR TO PROVIDE ANTI-SCALDING VALVE FOR TUBS AND SHOWERS.

THAT FIRE RATED WALLS WILL NOT BE COMPROMISED. THE REMOVAL OF THE TILES, PLUMBING FIXTURES AND DRYWALL, WILL COMPROMISE THE RATING OF THE WALLS. REFER TO UL DETAILS ON PAGE A-1.2 FOR IMMEDIATE REPAIRS AS REQUIRED TO RESTORE THE RATING.

CONTRACTOR TO VERIFY EXISTENCE OF EXISTING ITEMS AND CONTACT ENGINEER SHOULD ANY DISCREPANCIES OCCUR

ALL PLUMBING WORK TO COMPLY WITH FBC 2020 (7th ED)

W_C

REVISION / DATE

7900 Nova Drive Davie, FL 33324 (954) 612-9591 daniel@peareng.cc





EXISTING CONDO
50 South Point Dr
Unit 2803

DRAWN BY: HD
CHECKED BY: DR
JOB NUMBER: 21-040
DATE: 6/11/2021

DANIEL RIVEROS FLORIDA PE #73152

PLUMBING DETAILS

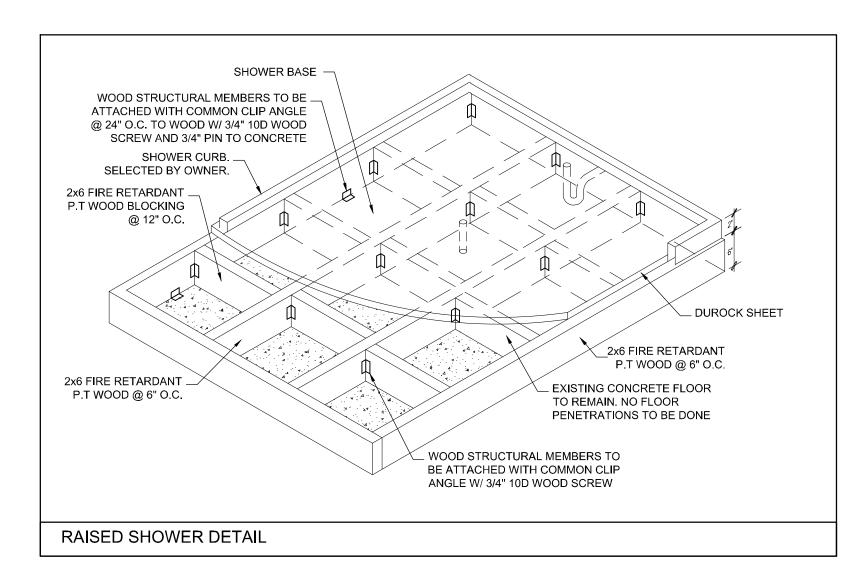
P-2

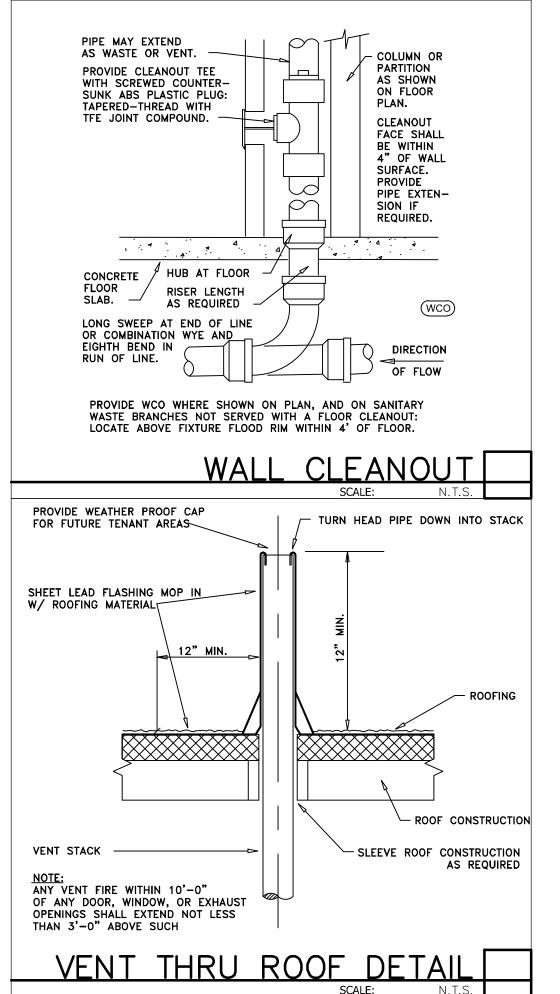


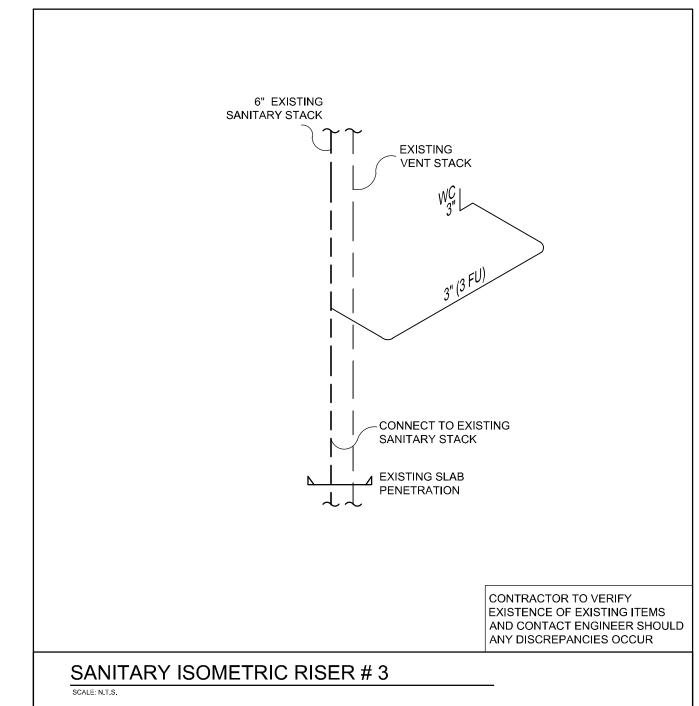
THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY
DANIEL RIVEROS P.E. ON 6/11/2021
USING A DIGITAL SIGNATURE
PRINTED COPIES OF THIS DOCUMENT
ARE NOT CONSIDERED SIGNED AND
SEALED AND THE SHA
AUTHENTICATION CODE MUST BE
VERIFIED ON ANY ELECTRONIC
COPIES

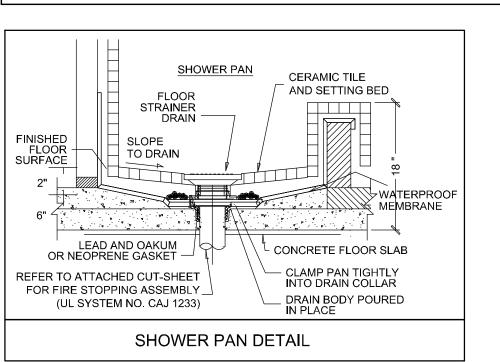
DANIEL RIVEROS
FLORIDA PE #73152

FIXTURE CONNECTION SCHEDULE							
NO	DESCRIPTION	DRAIN MIN.	WATER COLD HOT		FLOW RATE	MIN. PRESSURE	REMARKS (*) FBC Residential-2020 (7th ED)TABLE P2803.2 & Miami Dade Article III, sec. 08-31 (CMNC 08-14)
wc	WATER CLOSET	3"	1/2"	-	3 GPM	20 PSI	FLUSH TANK, 1.28 GPF MAX
BD	BIDET	3"	1/2"	1/2"	2 GPM	20 PSI	AS SELECTED BY OWNER
LAV	LAVATORY	2"	1/2"	1/2"	0.8 GPM	8 PSI	MAX FLOW RATE: 1.5 GPM @ 60 PSI
TUB	BATH TUB	2"	1/2"	1/2"	4 GPM	20 PSI	PROVIDE 1.5 GPM SHOWER HEAD AND ANTI SCALD VALVE ; MAX FLOW RATE 1.5 GPM AT 80 PSI
SH	SHOWER	2"	1/2"	1/2"	2.5 GPM	20 PSI	PROVIDE 1.5 GPM SHOWER HEAD AND ANTI SCALD VALVE ; MAX FLOW RATE 1.5 GPM AT 80 PSI
DW	DISH WASHER	-	1/2"	1/2"	2.75 GPM	20 PSI	PROVIDE IND. WASTE W/ AIR BREAKER AS SELECTED BY OWNER 6.5 GALLONS PER FLUSHING CYCLE (ENERGY SENSE CERTIFIED)
SK	KITCHEN SINK	2"	1/2"	1/2"	1.75 GPM	8 PSI	MAX FLOW RATE: 1.5 GPM @ 60 PSI
LT	LAUNDRY TRAY (SINK)	2"	1/2"	1/2"	1.75 GPM	8 PSI	MAX FLOW RATE: 1.5 GPM @ 60 PSI
REF	REFRIGERATOR	-	1/2"	-	-	-	AS SELECTED BY OWNER
W	CLOTHES WASHER	3"	1/2"	1/2"	1.75 GPM	8 PSI	PROVIDE RECESSED BOX, GUY GREY T200 OR EQUAL AS SELECTED BY OWNER. WATER FACTOR OF 8 OR LOWER (ENERGY SENSE CERTIFIED)
CONTRACTOR SHALL VERIFY THAT ALL FIXTURES COMPLY WITH REF. STANDARDS CHAPTER 4 FBC PLUMBING PARTICULARLY SEC. 406-421)							











DRAWN BY:

CHECKED BY:

JOB NUMBER:

DATE:

HD

DR

21-040

6/11/2021

DANIEL RIVEROS FLORIDA PE #73152

PLUMBING DETAILS