


DATE 08/19/22  
BY   
Building Official

PERMIT NO. BLD 2022-17276

ADDRESS 9344 NARCOOSSEE RD  
ORLANDO, FL 32827

CONTRACTOR PERMIT PANEL

NOTE: Permit issuance does not grant permission to violate applicable codes. Keep this plan in site at all times.

CITY OF ORLANDO  
PERMITTING SERVICES DIVISION

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
2. CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
3. ALL SANITARY AND GREASE WASTE PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED.
4. DIMENSIONS SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.
5. VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
6. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
7. CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
8. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER ARRESTORS AS SPECIFIED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
10. ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
12. CHANGES IN THE DIRECTION OF SANITARY PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT UNLESS PHYSICALLY IMPOSSIBLE (IE: USE OF SANITARY TEE IN A HORIZONTAL CONNECTION. INSTEAD, USE OF A DOUBLE SANITARY TEE IN A VERTICAL STACK, IN GENERAL, USE OF SHORT-RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION).
13. ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
14. PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NONACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
15. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE MOUNTING HEIGHTS, AND DIMENSIONS.
16. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SANITARY AND GREASE TRAPS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.
17. ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.
18. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
19. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATIONS) TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OR PURCHASING OF ANY PIPING AND/OR EQUIPMENT.
20. PROVIDE 3/4" H.W. SUPPLY WITH ANGLE STOP AND FLEXIBLE SUPPLY TO DISHWASHER MACHINE, AT HEIGHT REQUIRED BY MANUFACTURER OF EQUIPMENT INSTALLED.

FOOD SERVICE NOTES

1. ALL SERVICE LINES FOR WATER AND GAS SIZED TO PROVIDE FULL FLOW VOLUME FOR ALL ITEMS SUPPLIED ON RESPECTIVE MAINS AND BRANCHES. IDENTIFY ALL LINES WITH PERMANENT LABELS FOR THE SERVICE THEY PROVIDE.
2. FUEL GAS SERVICES SHALL BE SIZED TO SUPPLY THE REQUIRED BTUH INDICATED AT THE EQUIPMENT AT LOW PRESSURE OF APPROXIMATELY 7"-11" WATER COLUMN. PROVIDE PRESSURE REGULATORS AS REQUIRED.
3. ALL HOT AND COLD WATER SERVICE LINES, EXCEPT SHORT BRANCHES EXTENDED AND CONNECTED TO FIXTURES, SHALL BE INSULATED. ALL EXPOSED INSULATED LINES SHALL BE COVERED WITH PROTECTIVE COVERING TO SUIT THE APPLICATION.
4. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT, BELOW EQUIPMENT, SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATION ABOVE FLOOR, TO PROVIDE CLEARANCE FOR CLEARING. NO LINES SHALL LAY ON FLOOR.
5. ALL PIPING ROUTED THROUGH OR NEAR EQUIPMENT OR COUNTERS SHALL NOT INTERFERE WITH THE INTENDED USE OF, OR SERVICING OF, EQUIPMENT OR COUNTERS.
6. ALL EXPOSED PIPING AND FITTINGS SHALL BE CHROME PLATED OR STAINLESS STEEL. TAIL PIECES FOR SINKS SHALL BE 17 GAUGE CHROME PLATED FLARED BRASS TUBING FOR CONNECTION TO 1-1/2" I.P.S. MALE THREAD FITTING. "P" TRAPS SHALL BE CHROME PLATED BRASS, UNIFORM CODE PATTERN.
7. STOPS SHALL BE FURNISHED AND INSTALLED ON ALL HOT AND COLD WATER LINES AT EQUIPMENT. PROVIDE ALL REQUIRED SHUT-OFF VALVES, CHROME FINISH.
8. KITCHEN EQUIPMENT DIVISION SHALL PROVIDE ALL FOOD SERVICE EQUIPMENT FAUCETS. PLUMBING CONTRACTOR SHALL INSTALL AND CONNECT. EQUIPMENT SINKS ARE PROVIDED WITH 1-1/2" WASTE CONNECTIONS.
9. ALL WASTES, DIRECT OR INDIRECT, SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR EXCEPT AS NOTED ON UTILITY PLANS.
10. MINIMUM SIZE INDIRECT WASTES SHALL BE 1", REGARDLESS OF SIZE OF CONNECTION AT EQUIPMENT.
11. ADEQUATE CLEAN-OUT PROVISION SHALL BE MADE FOR ALL WASTE LINES BY MEANS OF PLUGGED "T" FITTING EXTENDED TO ACCESSIBLE POSITION.
12. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL DRAIN LINES FROM COLD STORAGE ROOM EVAPORATORS TO DRAIN LOCATIONS WITH MINIMAL PITCH AND "P" TRAP IN END OVER FLOOR RECEPTOR DRAIN LINES SHALL BE 1" MINIMUM. EACH EVAPORATOR SHALL HAVE A SEPARATE DRAIN LINE.
13. GAS AND WATER SERVICES FOR PORTABLE AND COUNTER TOP APPLIANCES SHALL BE CONNECTED TO EQUIPMENT WITH STAINLESS STEEL FLEXIBLE HOSES AND QUICK DISCONNECT FITTINGS. GAS FITTINGS AND HOSES SHALL BE A.G.A. APPROVED FOR COMMERCIAL KITCHEN EQUIPMENT. GAS AND WATER HOSES SHALL BE COVERED WITH A THICK FIRE RESISTANT PLASTIC OR POLY COATING.
14. PLUMBING CONTRACTOR SHALL COORDINATE WITH KITCHEN CONSULTANT DRAWINGS FOR ROUGH IN LOCATIONS, SIZES AND HOOK-UP REQUIREMENTS FOR ALL KITCHEN EQUIPMENT. ROUGH IN EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS.

CLEANOUT NOTE:  
CLEANOUTS SHALL BE PROVIDED AT THE LOCATIONS INDICATED AND A MINIMUM WHERE REQUIRED BY CODE. FLOOR CLEANOUTS SHALL BE A MINIMUM OF 4" AND SHALL BE COMPLETE WITH A FLUSH PLUG AND REMOVABLE SCORED BRONZE FLOOR PLATE, PROVIDE CARPET BUTTONS IN CARPETED AREAS.

PLUMBING LEGEND

- DIRECTION OF FLOW IN PIPE
- ↘ PITCH PIPE DOWN IN DIRECTION OF ARROW
- ○ PIPE UP
- ○ PIPE DOWN
- EXPANSION JOINT
- ⊠ FLEXIBLE PIPE CONNECTOR
- ⊠ BALL VALVE
- ↔ CHECK VALVE, HORIZONTAL SWING
- ↔ GATE VALVE
- ⊠ BUTTERFLY VALVE
- ⊠ GLOBE VALVE
- ↔ BACKWATER VALVE
- ↔ BALANCING VALVE
- ↔ CHECK VALVE
- ⊠ DIAPHRAGM VALVE
- ⊠ GAS COCK VALVE
- ↔ HOSE END DRAIN VALVE
- ⊠ VALVE IN VERTICAL
- ⊠ UNION
- ↔ PRESSURE REDUCING VALVE
- ↔ SWING CHECK VALVE
- ↔ SPRING CHECK VALVE
- ↔ SPECIAL GATE VALVE
- ↔ SPECIAL GATE VALVE
- ⊠ HOSE END VALVE
- SAN — SANITARY SEWER (BELOW GRADE)
- — — DOMESTIC COLD WATER (CWS)
- — — DOMESTIC HOT WATER (HWS)
- — — DOMESTIC HOT WATER RETURN (HWR)
- TW — DOMESTIC TEMPERED HOT WATER
- CD — CONDENSATE DRAIN (BELOW GRADE)
- CD — CONDENSATE DRAIN (ABOVE GRADE)
- GR — GREASE SEWER (BELOW GRADE)
- SCW — SOFT COLD WATER
- ⊠ VENT
- ⊠ GAS LINE (ABOVE GRADE)
- ⊠ POINT OF CONNECTION NEW TO EXISTING
- HB ⊠ HOSE BIB
- ⊠ FLOOR SINK
- FD ⊠ FLOOR DRAIN
- HD ⊠ HUB DRAIN
- TD ⊠ TRENCH DRAIN
- ⊠ FLOOR CLEANOUT
- ⊠ CLEANOUT

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER /MODEL #	DESCRIPTION
P-1	WATER CLOSET	KOHLER HNIGHCLIFF ULTRA- BLACK K-96058-7	THE FLOOR-MOUNTED, LOW CONSUMPTION SIPHON JET FL USHING TOILET SHALL BE 1.28GPF/4.8LPP WHEN PAIRED WITH A 1.28GPF FL USHOMETER VALVE AND 1.6GPF/6.0LPP WHEN PAIRED WITH 1.6GPF/6.0LPP FL USHOMETER VALVE. TOILET SHALL BE ELONGATED FRONT BOWLAND CEFIONTECT CERAMIC GLAZE (CT705ELNG).
P-1H	WATER CLOSET (ADA)	KOHLER HNIGHCLIFF ULTRA -BLACK K-96058-7	THE FLOOR-MOUNTED, ADA COMPLIANT, LOW CONSUMPTION SIPHON JET FL USHING TOILET SHALL BE 1.28GPF/4.8LPP WHEN PAIRED WITH A 1.28GPF FL USHOMETER VALVE AND 1.6GPF/6.0LPP WHEN PAIRED WITH 1.6GPF/6.0LPP FL USHOMETER VALVE. TOILET SHALL BE ELONGATED FRONT BOWLAND CEFIONTECT CERAMIC GLAZE (CT705ELNG).
P-2	LAVATORY	KOHLER LADENA UN-COUNTER MOUNT SINK- BLACK WITH DELTA TRINSIC CHAMPAGNE BRONZE 2-HANDLE FAUCET. SEE INTERIOR DESIGN DRAWINGS FOR SIZE.	SQUARE UN-COUNTER MOUNT SINK, MADE OF VITREOUS CHINA, WITH CUSTOMIZABLE OVERFLOW POSITION. SUPPLIED WITH MOUNTING KIT & TEMPLATE. FOLLOW SPECIFICATIONS ACCORDING TO ASME A112.19.2/CSA B45.1. VANDAL-RESISTANT CAST BRASS SPOUT WITH SINGLE POST MOUNTING. WATER PRESSURE RANGE FROM 20 TO 125 PSI. SINGLE INLET. FAUCET MODEL # 3559-CZMPU-DST
P-2H	LAVATORY (ADA)	MFG: MODO BATH.COM SWS BATH COLLECTION SIMPLE 50.50B WALL MOUNTED BATHROOM SINK COLOR: BLACK. SEE INTERIOR DESIGN DRAWINGS FOR SIZE.	FITTING SHALL INCLUDE PLATED FINISH AERATOR, CHROME -- PLATED TAILPIECES. STRAINER, "P" TRAP SUPPLY STOPS ANCHORING CLIPS AND ALL OTHER TRIM. WALL SUPPLY STOPS DRAINS AND TAILPIECES SHALL BE OFFSET WHEELCHAIR TYPE. FIXTURE SHALL BE MOUNTED AT ANSI HEIGHT, PROVIDE MIXING VALVE WITH MIXING VALVE. CUSTOM PREFAB. PROVIDE POWER SUPPLY FOR VALVE. COORDINATE EXACT POWER LOCATION WITH OWNER. FAUCET MODEL # 3559-CZMPU-DS
P-3	URINAL	KOHLER DEXTER "WASHDOWN" WALL MOUNTED 0.125 GPF, 3/4" TOP SPUD, BLACK. K-5452-ET-7	COMPACT URINAL WITH CONCEALED INTEGRAL TRAP, WASHOUT FLUSH ACTION WITH 3/4" TOP OR BACK SPUD INLET, 0.125 GPF WITH ANY FLUSH VALVE TEU1A12BCP. THE WALL-MOUNTED, ADA COMPLIANT, LOW CONSUMPTION WASHOUT URINAL SHALL BE 0.125GPF/1.9LPP WHEN PAIRED WITH A 0.5GPF FLUSHOMETER VALVE AND 1.0GPF/3.8LPP WHEN PAIRED WITH 1.0GPF/3.8LPP FLUSHOMETER VALVE. -----
FD	FLOOR DRAIN	J.R.SMITH 2000 SERIES	6" TYPE "B" SQUARE ADJUSTABLE STRAINERS FINISHED IN SATIN NICKEL BRONZE STRAINER. PROVIDE ALL FLOOR DRAINS WITH TRAP PRIMER VALVES.
FS	FLOOR SINK	J.R.SMITH 3000 SERIES	TYPE "K" FLOOR SINK IN KITCHEN AND FOOD SERVICE AREAS SHALL BE J.R. SMITH 3000 SERIES WITH SEDIMENT BUCKET AND 12 1/2" NICKEL BRONZE SQUARE TOP 10" DEEP 1/2 GRATE. SEE PLAN FOR LOCATION.
SA	WATER HAMMER ARRESTOR	SIOUX CHIEF #650 SERIES	SIZE PER MANUFACTURER'S RECOMMENDATIONS. PDI CERTIFIED. WHA-1: SIZE "A" WHA-2: SIZE "B" REFER TO RISER DIAGRAMS FOR ARRESTOR LOCATIONS. REFER TO SPECIFICATION FOR SELECTION METHOD.
WCO	WALL CLEAN-OUT	ZURN Z1446	CAST IRON CLEAN-OUT TEE, DURA COATED BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.
FCO	FLOOR CLEAN-OUT	JOSAM 57000-31	PVC CLEAN-OUT WITH 2-WAY CLEAN-OUT TEE, COUNTER SUNK PLUG. (MOUNTED ECO-1 IN FLUSH 12"x12"x4" CONCRETE PAD.)
TP	TRAP PRIMER VALVE	PRECISION PLUMBING PRODUCTS	PROVIDE FULLY ACCESSIBLE SHUT OFF VALVE TO EACH PRIMER VALVE. PROVIDE TRAP PRIMER VALVE TO ALL FLOOR DRAINS.
MV	MIXING VALVE	WATT'S #1170 -QC-M2.	UNDER RESTROOM LAVS AND HAND SINKS.
AV	AIR ADMITTANCE VALVE	STUDOR: TEC-VENT	AUTOMATIC AIR ADMITTANCE VALVE WITH VENTED ACCESS PANEL. LOCATE FULLY ACCESSIBLE.
NOTES: 1. ALL TEMPERATURE AND PRESSURE RELIEF VALVES SHALL BE PIPED FULL SIZE TO INDIRECT WASTE SUCH AS THE NEAREST FLOOR DRAIN.			

ABBREVIATIONS

AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
BLDG	BUILDING
CD	CONDENSATE DRAIN
CLG	CEILING
CO	CLEAN-OUT
COND	CONDENSATE OR CONDENSER
CONT	CONTINUATION
CMU	CONCRETE MASONRY UNIT
CW	COLD WATER (CITY)
EL	ELEVATION
ELEC	ELECTRIC
°F	DEGREES FAHRENHEIT
ECO	EXTERIOR CLEANOUT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HEAD
HW	HOT WATER
HR	HOUR
INV	INVERT ELEVATION
LBS	POUNDS
MIN	MINIMUM
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	RISE
REQ'D	REQUIRED
RM	ROOM
SAN	SANITARY
SPEC	SPECIFICATION
TEMP	TEMPERATURE
TYP	TYPICAL
V	VENT LINE
VTR	VENT THRU ROOF
W/	WITH
WCO	WALL CLEANOUT

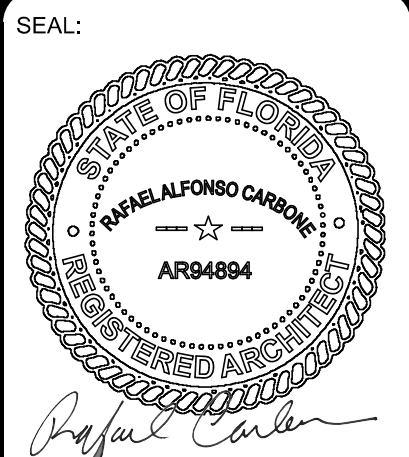
FIELD VERIFY ALL CONDITIONS

NOTE! AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR THAT HE HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO FABRICATION OF CONDUITS, DUCTS, OR PIPING, AND START OF INSTALLATION OF SAME (INCLUDING SPRINKLER PIPING WHEN PRESENT ON JOB). ANY INSTALLATION OR CONSTRUCTION CONFLICTS WHICH OCCUR IN THE FIELD SHALL BE RESOLVED BY THE TRADE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND AT NO EXPENSE TO THE OWNER, ARCHITECT AND/OR GENERAL CONTRACTOR.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

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REVISIONS:	
REMARKS	
DATE	
REV	
PROJECT NO: 2022.001 ISSUE DATE: 06/27/2022 drawn by: RC checked by: RC	

SHEET TITLE:  
**PLUMBING NOTES & SCHEDULES**

P0.1

SHEET no.