GAS — GAS	G	GAS
— —	CW	COLD WATER
HW — HW	HW	HOT WATER
	CD	CONDENSATE DRAIN
- - - -	W	WASTE
— — —	V	VENT

LEGEND N.T.S. F

1. ALL PLUMBING WORK & MATERIALS TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE & LOCAL CODES & REGULATIONS. CONTRACTOR TO OBTAIN ALL APPROVALS REQUIRED FROM REGULATING AGENCIES BEFORE STARTING WORK. ALL PLUMBING WORK & MATERIALS TO MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA PLUMBING CODE. OBTAIN & PAY FOR ALL PERMITS, FEES & INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.

2. PRIOR TO COMMENCING WORK ON THIS PROJECT, CONTRACTOR SHALL VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD BEFORE STARTING WORK. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.

3. CONTRACTOR SHALL COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR TO REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.

4. WATER PIPING TO BE TYPE L COPPER MATCHING EXISTING, TYPE K BELOW FLOOR.

5. WASTE AND VENT PIPING TO BE CAST IRON OR ABS DWV WHERE ALLOWED.

7. NEW GAS PIPING TO BE SCHEDULE 40 BLACK STEEL, GALVANIZED ON ROOF.

8. NEW WASTE PIPING TO BE RUN AT 2% MINIMUM SLOPE.

10. NEW HOT WATER PIPING TO BE WRAPPED WITH 1" THICK JACKETED FIBERGLASS INSULATION. PROVIDE INSULATION SHIELDS AT PIPE HANGERS AND SUPPORTS. INSULATION FOR HOT WATER PIPING TO COMPLY WITH THE REQUIREMENTS OF SECTION 120.3 OF THE 2016 CALIFORNIA ENERGY CODE.

11. INSTALL SHUTOFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES SHALL BE CHROME PLATED.

12. REMOVE ALL ABANDONED PIPING TO REMOVED FIXTURES & EQUIPMENT, CAPPING BEHIND FINISHED SURFACES.

13. RELOCATE PLUMBING PIPING (WATER, WASTE & VENT) TO NEW FIXTURE & EQUIPMENT CONNECTIONS AS REQUIRED.

14. PROVIDE ACCESSABLE WATER HAMMER ARRESTORS OR AIR CHAMBERS WHERE REQUIRED BY THE CALIFORNIA PLUMBING CODE.

15. ARRANGE FOR SAWCUTTING AND PATCHING EXISTING CONCRETE FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR PIPING.

16. SLEEVES TO BE PROVIDED TO PROTECT ALL NEW PIPING PASSING THRU CONCRETE FLOOR SLABS PER REQUIREMENTS OF CPC 312.10.

17. NEW OR REPAIRED POTABLE WATER PIPING TO BE DISINFECTED PRIOR TO USE PER REQUIREMENTS OF CPC 609.9.

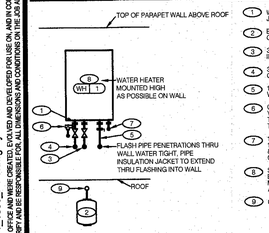
18. ALL NEW PIPING IN BUILDING TO BE SUPPORTED & SEISMICALLY BRACED PER REQUIREMENTS OF 2016 CBC & CPC.

19. NEW CLEANOUTS TO BE INSTALLED WHERE REQUIRED BY 2016 CPC & BE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. PRIOR TO ANY INSTALLATION.

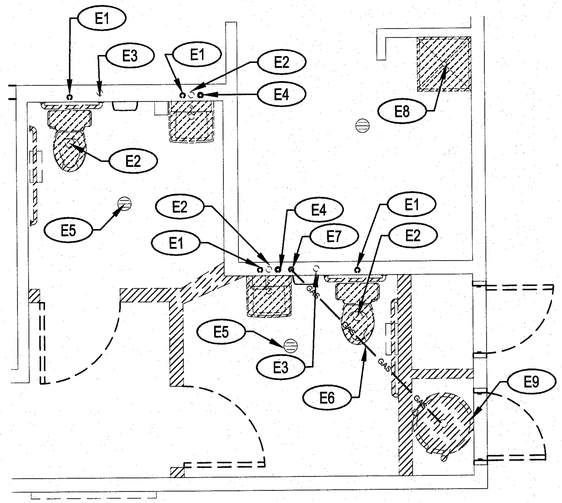
20. NEW LAVATORIES AND WATER CLOSETS TO BE INSTALLED PER CALIFORNIA STATE HANDICAPPED ACCESSIBILITY REQUIREMENTS.

21. LOCATIONS OF EXISTING WATER & WASTE PIPING SERVING EXISTING TOILET ROOM FIXTURES ARE UNKNOWN & TO BE VERIFIED IN FIELD BEFORE STARTING WORK.

GENERAL NOTES G



WATER HEATER DETAIL H



EXISTING PLUMBING PLAN

1/2" = 1'-0"

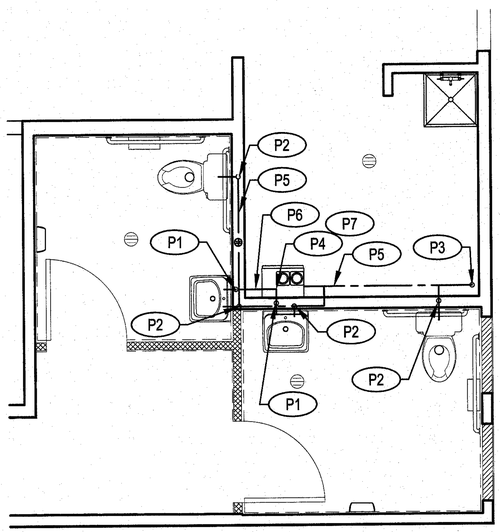
FIXTURE	NO.	WASTE		COLD WATER		HOT WATER	
		FU	TOTAL FU	FU	TOTAL FU	FU	TOTAL FU
WATER CLOSET	2	4	8	2.5	5	--	--
LAVATORY	2	1	2	1	2	.75	1.5
MOP SINK	1	3	3	3	3	2.25	2.25
HAND SINK	2	2	4	2	4	1.5	3
PREP SINK*	1	--	--	3	3	2.25	2.25
3 - COMPARTMENT SINK*	1	--	--	3	3	2.25	2.25
RETHERMALIZER*	1	-	-	1	1	1	1
HOSE BIBB/WATER FILTRATION UNIT	4/1	--	--	2.5:1/1	6.5	--	--
FLOOR DRAIN	7	2/6	34	--	--	--	--
FLOOR SINK	5	2/6	26	--	--	--	--
TOTAL	--	--	99	--	45	--	13

45 FU = 30 GPM
77 WASTE FU
13 FU = 10 GPM

USE 1 1/2" CW SUPPLY
USE 4" MINIMUM SEWER
USE 1" HW SUPPLY

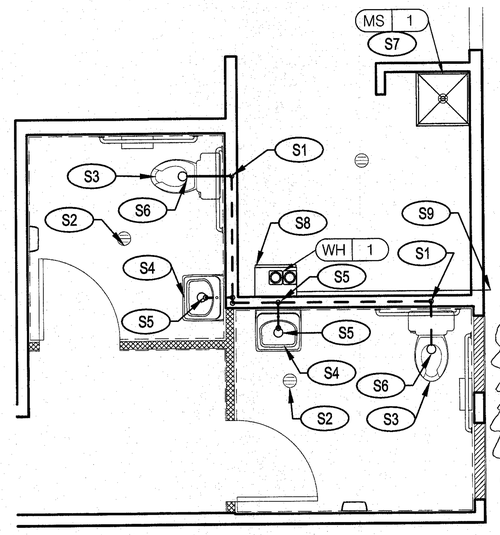
BASED ON 2016 CPC. *FIXTURE HAS INDIRECT WASTE TO FLOOR SINK. WATER FIXTURE UNITS ARE FLUSH TANK

PLUMBING FIXTURE SUMMARY



NEW GAS AND WATER PLAN

1/2" = 1'-0"



NEW WASTE AND VENT PLAN

1/2" = 1'-0"

Plumbing & Mechanical Plan Check
SUBMITTAL NOT REQUIRED
plans to be verified by field staff
Policy # SJMC 24.02.220-1-9
minor fixture Relocation only
TWH to Be Installed
per the manufactures
Installtion Instructions

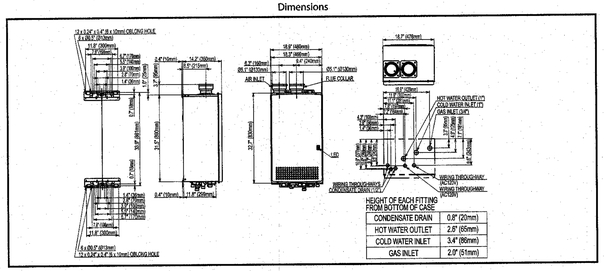
REF. NORTH

2016 CALIFORNIA PLUMBING CODE:
TABLE L 402.1 PLUMBING FIXTURE FLOW RATES:

FIXTURE TYPE	FLOW RATE	MAXIMUM FLOW RATE AT 20 PERCENT REDUCTION
SHOWERHEADS	2.0 GPM	1.6 GPM @ 80 PSI
LAVATORY FAUCETS	0.5 GPM @ 60PSI	0.4 GPM @ 60 PSI
METERING FAUCETS	0.25 GALLONS/ CYCLE	0.2 GALLONS/ CYCLE
GRAVITY TANK TYPE WATER CLOSETS	1.28 GALLONS / FLUSH	1.28 GALLONS / FLUSH
FLUSHOMETER VALVE WATER CLOSETS	1.6 GALLONS/ FLUSH	1.28 GALLONS / FLUSH
URINALS	0.5 GALLONS/ FLUSH	0.5 GALLONS/ FLUSH

PLUMBING FLOOR PLAN 3/8" = 1'-0" A

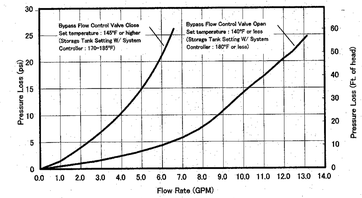
Dimensions



HEIGHT OF EACH FITTING FROM BOTTOM OF CASE	
CONDENSATE DRAIN	0.8" (20mm)
HOT WATER OUTLET	2.8" (65mm)
COLD WATER INLET	3.4" (86mm)
GAS INLET	2.0" (51mm)

Flow Rates

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100	110	120	130	140
Flow Rate (GPM)	13.2	13.2	12.4	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2



Specifications

Model Name		NCC300DV (GQ-C5032WZ-FF US)	NCC300OD (GQ-C5032WZ US)
Weight		110 pounds	108 pounds
Operating Pressure		15 - 150 psi	
Gas Supply Pressure		NG: 5.0" - 10.5" LP: 8.0" - 14.0"	
Water Holding Capacity		1.3 Gallon (4.9 L)	
Connection Sizes	Water Inlet	NPT 1"	
	Hot Water Outlet	NPT 1"	
	Gas Inlet	NPT 3/4"	
	Condensate Drain	1/2" Threaded	
Power	Supply	120VAC(60Hz), less than 4 amperes	
	Consumption	NG:121W LP:116W Freeze Prevention:345W	NG:107W LP:102W Freeze Prevention:287W
Freeze Protection		Outdoor: -4°F	Indoor: -30°F
Temperature Settings	°F Mode	100-150°F (In 5°F intervals), 160, 170, 185°F (14 Options)	
	°C Mode	37-48°C (In 1°C intervals), 50-85°C (In 5°C intervals) (20 Options)	

Noritz America reserves the right to discontinue, or change at any time, the designs and/or specifications of its products without notice. Rev. 12/17

ITEM	FIXTURE	WASTE	VENT	COLD WATER	HOT WATER	GAS	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
MS 1	MOP SINK	3"	2"	3/4"	3/4"	--	3	3	24"x24"x12" PRECAST TERRAZZO WITH 6" HIGH THRESHOLD, STAINLESS STEEL CAP ON ALL SIDES, REAR & LEFT SIDE TILING FLANGES, 3" GRID DRAIN & WALL MOUNTED FAUCET WITH VACUUM BREAKER.	FIAT TSB-3000 AM. STD. 8344.012 FAUCET
WH 1	WATER HEATER	--	--	1"	1"	1"	--	--	GAS FIRED TANKLESS WATER HEATER. 300,000 BTUH INPUT, 9.7 GPM @ 60 DEGREE RISE RECOVERY RATE WITH SV CONVERSION KIT, SEISMIC RATED WALL MOUNTING ASSEMBLY & PVC EXHAUST VENT PIPE RAIN CAP. WEIGHT = 100 POUNDS.	NORITZ NCC300-DV

NOTE: LAVATORIES AND WATER CLOSETS TO BE INSTALLED PER CALIFORNIA STATE HANDICAPPED ACCESSABILITY REQUIREMENTS.

PLUMBING FIXTURE & EQUIPMENT SCHEDULE E

E# EXISTING PLUMBING SYMBOL KEYNOTES

E1. (E) COLD WATER LINE TO BE CAPPED OF ABOVE CEILING.
E2. (E) SEWER TO BE CAPPED OFF AT FLOOR SLAB LEVEL.
E3. (E) VENT TO BE CUT OFF AT CEILING.
E4. (E) HOT WATER LINE TO BE CUT OFF ABOVE CEILING AND CAPPED.
E5. (E) FLOOR DRAINS TO REMAIN.
E6. (E) 2" GAS LINE.
E7. (E) 2" GAS LINE TO BE CUT BACK AND CAP TO THIS LOCATION.
E8. (E) MOP SINK TO BE REMOVED.
E9. (E) WATER HEATER TANK TO BE REMOVED, CUT WATER LINES BACK TO CEILING AND CAP.

EXISTING PLUMBING PLAN KEYNOTES D

P# GAS AND WATER SYMBOL KEYNOTES

P1. (N) 1/2" HOT WATER DROP IN WALL.
P2. (N) 1/2" COLD WATER DROP IN WALL.
P3. COLD WATER CONNECTION. POINT ABOVE CEILING.
P4. HOT WATER CONNECTION POINT.
P5. (N) 1" COPPER COLD WATER LINE ABOVE CEILING.
P6. (N) 1/2" COPPER HOT WATERLINE ABOVE CEILING.
P7. CONNECT (N) WATER HEATER TO (E) GAS LINE WITH 1 1/4" GAS LINE.

NEW GAS AND WATER PLAN KEYNOTES C

S# WASTE AND VENT SYMBOL KEYNOTES

S1. (N) SEWER CONNECT TO (E) VENTS.
S2. (E) FLOOR DRAIN TO REMAIN.
S3. (E) TOILET.
S4. (E) SINK.
S5. (N) 2" C.I. SEWER LINE - CONNECT TO (E) SEWER UNDER SLAB.
S6. (N) 4" C.I. SEWER CONNECT TO (E) SEWER BELOW SLAB.
S7. (N) MOP SINK.
S8. (N) 4" VENTS THRU ROOF FOR VENT AND COMBUSTION AIR. SEE CUT SHEET PER GPC SUB.
S9. DAYLIGHT PRESSURE RELIEF VALVE TO THE EXTERIOR.

NEW WASTE & VENT PLAN KEYNOTES B

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ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED BY THIS DRAWING ARE OWNED BY, AND THE PROPERTY OF THIS OFFICE AND WERE CREATED, EVOLVED AND DEVELOPED FOR USE ON, AND IN CONNECTION WITH, THE SPECIFIED PROJECT. NONE OF SUCH IDEAS DESIGNS, ARRANGEMENTS AND PLANS MAY BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF PROJECT ARCHITECT.
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HUGH EDWARD MURPHY
No. C17928
REN. 10/31/19
STATE OF CALIFORNIA

19-134942

RECORD DATES
DD SUBMITTAL -
BLDG. SUBMITTAL -
BID SET -
CONTRACT SET -

REVISIONS
1 07/24/19 BLDG - PC-1

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San Jose, CA 95127
STORE #024525

TACO BELL REMODEL
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San Josel, CA 95127
APN#: 484-20-037-2

TACO BELL
MOD EXPL
MID TERM

1
PLUMBING PLAN
P1-0