1. SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.

2. ALL DRAWN WATER & GAS LINES SHALL BE KEPT TIGHT TO THE UNDERSIDE OF EQUIPMENT & SECURED IN

3. CONTRACTOR SHALL VERIFY THE LOCATION OF THE SANITARY SEWER ON THE SITE PLAN AND SHALL REVISE THE SEWER SYSTEM AS REQUIRED.

4. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, WHERE REQUIRED BY CODES. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.

5. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE OWNERS REPRESENTATIVE PRIOR TO ANY INSTALLATION.

6. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.

7. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKE.

8. PROVIDE GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.

9. INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES TO BE CHROME PLATED.

10. PROVIDE A LEVER HANDLE GAS SHUT-OFF VALVE IN THE BRANCH PIPING OF EACH APPLIANCE OR PIECE OF EQUIPMENT, FOR EACH APPLIANCE INSTALL QUICK DISCONNECT, FLEXIBLE PIPE WHEN ALLOWED BY CODE AND RESTRAINING DEVICE FURNISHED BY OWNER. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLIANCE. IF GAS PRESSURE GREATER THAN 10"/wc IS USED DOWNSTREAM FROM THE GAS

11. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.

12. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN SCHEDULE & FOR ADDITIONAL WORK TO BE FURNISHED & INSTALLED BY CONTRACTOR. ALL ROUGH-IN PLUMBING AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE MADE BY THE CONTRACTOR U.O.N.

13. REFER TO MECHANICAL SHEETS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.

14. ALL GAS LINES SHALL BE SUPPORTED.

15. ALL FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH TO FLOOR SURFACE.

16. PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.

17. PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR GAP SHALL BE MINIMUM 2 TIMES THE DIAMETER OF THE INDIRECT DRAIN.

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

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

20. FURNISH & INSTALL ALL BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION. BACKFLOW DEVICES REQUIRING TESTING SHALL BE INSTALLED NO HIGHER THAN 5'-0" A.F.F.

21. PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN, GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.

22. THE OWNER OR KITCHEN EQUIPMENT SUPPLIER MAY SUBSTITUTE EQUIPMENT OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER PRIOR TO CONSTRUCTION. FAILURE TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY UPON THE CONTRACTOR.

23. ALL WATER LINES SHALL BE RUN OVERHEAD U.O.N.

24. ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING ANY FIXTURES OR EQUIPMENT.

25. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULK OR EXPANDING FOAM FOR SEALANT.

GREASE INTERCEPTOR SIZING

(S) x (GS) x (LF) x (HR/12) = EFFECTIVE CAPACITY OF

GS = GALLONS OF WASTE WATER PER SEAT

GALLONS OF WATER PER SEAT "GS" = 10.0 GAL

LOADING FACTOR "LF" = 2.00 INTERSTATE HIGHWAY

56 S x 10 x 1.00 x (15 HR/12) = 700 GALLONS

HR = NUMBER OF HOURS RESTAURANT IS OPEN

GREASE INTERCEPTOR IN GALLONS

S = NUMBER OF SEATS DINING

NUMBER OF SEATS "S" = 56 SEATS

HOURS OPEN "HR" = 15 HOURS

LF = LOAD FACTOR

WHERE:

GREASE INTERCEPTOR WAS SIZED WITH THE FOLLOWING FORMULA:

1.50 OTHER FREEWAYS

CONTRACTOR SHALL INSTALL (1) 1000 GALLON MINIMUM GREASE INTERCEPTOR. VERIFY SIZE AND TYPE WITH LOCAL CODE OFFICIAL OR

PLUMBING, BUILDING OR HEALTH CODE OFFICIAL PRIOR TO BIDDING.

1.25 RECREATIONAL AREA 1.00 MAIN HIGHWAY 0.75 OTHER HIGHWAY

DAL NOTES	П	DI LIMPING I ECEND

SYMBOLS

(

(X-X 0000)

 $\langle XXX \rangle$

---- ss -

——GW—

—— G —

—сw—

----HW----

— HWR —

—___CD___

1-----

----FW---

____TW __

-

+

ABBREV.

R.D.

A.P.

V.T.R.

V.B.F.

U.T.R.

V.C.P.

C.I.

(N)

(E)

F.D.

H.D.

OFD

F.S.

G.L.

A.F.F.

CW

HW

H.W.R.

S.D.

C.D.

F.C.O.

W.C.O.

FW

TW

H.B.

S.O.V.

S.O.C.

C.V.

P.T.R.V.

B.V.

C.W.

E.C.O.

BFP

FU

DESCRIPTION

YARD BOX

ROOF DRAIN

ACCESS PANEL

UP THRU ROOF

CAST IRON

EXISTING

FLOOR DRAIN

OVERFLOW DRAIN

GAS / GAS STUB

SANITARY VENT

STORM DRAIN

GRADE

HOSE BIBB

CHECK VALVE

BALL VALVE

FIXTURE UNIT

COLD WATER / CW STUB

HOT WATER / HW STUB

HOT WATER RETURN

CONDENSATE DRAIN

WALL CLEANOUT

FILTERED WATER

SHUT-OFF GATE VALVE

SHUT-OFF GAS COCK

EXTERIOR CLEAN OUT

BACK FLOW PREVENTER

FLOOR CLEANOUT OR CLEANOUT TO

PREMIXED TEMPERATURE WATER

PRESS-TEMPERATURE RELIEF VALVE

COLD WATER HOT WATER

COLD WATER BELOW GRADE

ABOVE FINISHED FLOOR

PLUMBING EQUIPMENT DESIGNATION

KITCHEN EQUIPMENT NUMBER: REFER TO

SOIL OR WASTE (SANITARY)/ WASTE STUB

KITCHEN EQUIP. DRAWINGS FOR DESCRIPTION.

SOIL OR WASTE (GREASE WASTE)/WASTE STUB

HUB DRAIN

FLOOR SINK

GAS LINE

NEW

VENT THRU ROOF

VENT BELOW FLOOR

VITRIFIED CLAY PIPE

			510 1111							
FIXTURE	QTY.	F.U.	SAN. WASTE	GREASE WASTE	TOTAL F.U.	F.U. CW	TOTAL CW	F.U. HW	TOTAL HW	
WATER CLOSET (WC-1)	2	4	8		12	2	6			
LAVATORY (L-1)	2	1	2		2	1.5	3	1.5	3	
HAND SINK (S-1)	3	2	6		6	1.5	4.5	1.5	4.5	
3-COMP. SINK (S-3) **	1					3	3	3	3	
HOSE BIBB (HB-1) (HB-2)) 3					2.5/1	4.5			
WATER FILTER <s-287></s-287>	1					1	1			
WATER FILTER <s-288></s-288>	1					1	1			
FLOOR DRAIN (FD-1)	11	2	4	18	22					
HUB DRAIN (HD-1)	7	2	2	12	14					
FLOOR SINK (FS-1)	2	6		12	12					
MOP SINK (S-2)	2	2		4	4	2.25	6.75	2.25	6.75	
TOTAL			22	46	72		29.75		17.25	

F

** FIXTURE HAS INDIRECT WASTE TO FLOOR SINK.

FIVELIDE	OT) (
FIXTURE	QTY.	F.U.	SAN. WASTE	GREASE WASTE	TOTAL F.U.	F.U. CW	TOTAL CW	F.U. HW	TOTAL HW
WATER CLOSET (WC-1)	2	4	8		12	2	6		
LAVATORY (L-1)	2	1	2		2	1.5	3	1.5	3
HAND SINK (S-1)	3	2	6		6	1.5	4.5	1.5	4.5
3-COMP. SINK (S-3) **	1					3	3	3	3
HOSE BIBB (HB-1) (HB-2)	3					2.5/1	4.5		
WATER FILTER <s-287></s-287>	1					1	1		
WATER FILTER <s-288></s-288>	1					1	1		
FLOOR DRAIN (FD-1)	11	2	4	18	22				
HUB DRAIN (HD-1)	7	2	2	12	14				
FLOOR SINK (FS-1)	2	6		12	12				
MOP SINK (S-2)	2	2		4	4	2.25	6.75	2.25	6.75

HUB DRAIN (HD-1)	7	2	2	12	14				
FLOOR SINK (FS-1)	2	6		12	12				
MOP SINK (S-2)	2	2		4	4	2.25	6.75	2.25	
TOTAL			22	46	72		29.75		
29.75 FU = 23.30 GPM									
GREASE WASTE = 46 WFU USE 4" SANITARY (GREASE) TOTAL SANITARY= 72 WFU USE 4" SANITARY									
** FIVELING MIDIDEGT MAGTE TO FLOOD ONLY									

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMP'D WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
BFP 1	BACKFLOW PREVENTOR			VERIFY				1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: 009M2QTS WILKINS / MODEL: 975XLS
DN 1	DOWNSPOUT NOZZLE	4"							CAST BRONZE BODY AND FLANGE DOWNSPOUT WITH BIRDSCREEN. MOUNT NOZZLE 12" ABOVE FINISH GRADE.	FEBCO / MODEL: 860 J.R. SMITH / MODEL: 3120
ECO 1	EXTERIOR CLEANOUT								CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z
ET 1	EXPANSION TANK			3/4"					EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY. MOUNT EXPANSION TANK WITH CHECK & SHUT OFF VALVES ABOVE WATER HEATER.	ZURN / MODEL: Z-1400 WATTS SERIES DET AMTROL SERIES ST
FCO 1	FLOOR CLEANOUT								CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	WILKINS SERIES WXTP JOSAM / MODEL: 56000 WADE / MODEL: 6000Z
FD 1	FLOOR DRAIN	3"	1-1/2"				2		PVC FLOOR DRAIN, 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE SHALL BE USED FOR THE FIRST 10'-0" FROM THE DRAIN	ZURN / MODEL: Z-1400 ZURN / MODEL: FD-2210 JOSAM / MODEL: 30003-A
FS 1	FLOOR SINK	4"	2"				6		PVC 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM OR PVC DOME STRAINER AND LOOSE SET PVC SLOTTED TOP GRATE. SET FLOOR SINK LIP FLUSH WITH FLOOR TILE.	WADE / MODEL: 1103 JOSAM / MODEL: JPFS4-PVC ZURN / MODEL: FD-2370-PV4-DS-F
GI 1	GREASE INTERCEPTOR	6"							PROVIDE 1,000 GALLON GREASE INTERCEPTOR OR SIZE AS REQUIRED BY AHJ. SEE CIVIL PLAN FOR EXTERIOR GREASE INTERCEPTOR SIZE AND LOCATION.	
(HB 1)	HOSE BIBB			3/4"				2.5/1	FREEZELESS WALL FAUCET WITH INTEGRAL VACUUM BREAKER, BRONZE CASING MAX PRESSURE OF 125 PSI, SLOPE HOSE BIBB TO DRAIN TO EXTERIOR, INSULATE PIPES IN WALL	WOODFORD / MODEL: 19
(HB 2	HOSE BIBB			3/4"				2.5/1	WALL FAUCET WITH INTEGRAL VACUUM BREAKER MAX PRESSURE OF 125 PSI	WOODFORD / MODEL: 24
(HD 1	HUB DRAIN	3"	1-1/2"				2		CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF
(L 1)	LAVATORY	2"	1-1/2"			1/2"	1	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, SINGLE HOLE, ADA ACCESSIBLE. FLAT GRID STRAINER. FAUCET: SINGLE HOLE; POLISHED CHROME SEE 4 / P6.0 FOR LAV SUPPORT DETAIL.	ZURN / MODEL: Z-1019 LAVATORY: KOHLER / MODEL: K-2084 FAUCET: KOHLER / MODEL: K-18140-CP
					1				ALTERNATE SPECIFICATION; VERIFY with OWNER	SLOAN / MODEL: EAF-275-ISM
									FAUCET: SINGLE HOLE SUPPLY, HARD WIRED, BATTERED SENSOR OPERATED FAUCET WITH "Y" STRAINER FILTERED SOLENOID VALVE AND 0.5 GPM AERATOR. TRIM: GRID DRAIN WITH TAILPIECE, LOOSE KEY COMPRESSION, ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS. P-TRAP: 1-1/4" 17 GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR, AND TRUEBRO. HANDI LAV-GUARD: INSULATION KIT FOR WATER AND WASTE PIPES.	McGUIRE / MODEL: 155A McGUIRE / MODEL: 2165CCLK McGUIRE / MODEL: 8872CF HANDI LAV-GUARD / MODEL: 102
	T									LINES OTTEN OFFICE LIST
MV 1	MIXING VALVE			1/2"	1/2"				THERMOSTATIC, 110 PSI SET POINT, BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	HYDROTEK SERIES HBL LAWLER SERIES 61 LEONARD SERIES 210
OFD 1	OVERFLOW DRAIN	4"							DUCO CAST BRONZE BODY AND FLASHING COLLAR WITH COMBINED FLASHING CLAMP AND CAST IRON DOME, 2" PVC STANDPIPE AND UNDER-DECK CLAMP.	JOSAM / MODEL: 21500
RD 1	ROOF DRAIN	4"							DUCO CAST BRONZE BODY AND FLASHING COLLAR WITH COMBINED FLASHING CLAMP AND CAST IRON DOME, SUMP RECEIVER AND UNDER-DECK CLAMP.	JOSAM / MODEL: 21500
S 1	HAND SINK	2"	1-1/2"			1/2"	2	1.5	S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS. FAUCET W/FOOT VALVE PER DETAIL 3 / P6.0.	
S 2	MOP SINK	3"	1-1/2"	1/2"	1/2"		2	2.25	AERO MANUFACTURED MOP SINK (1), 3MP27276. 30" x 30" x 6", FURNISHED WITH WALL PANELS.	
S 3	3-COMP. SINK	INDIRECT		1/2"	1/2"			3	SINK, FAUCET, DRAIN & PRE-RINSE KIT	
SA 1	SHOCK ARRESTOR			1/2"					STAINLESS STEEL CASING WITH STAINLESS STEEL BELOW, PRECHARGED WITH NITROGEN. SIZED PER PDI-WH201	WADE / SHOKSTOP JOSAM / MODEL: 75000 ZURN / SHOKTROL
WC 1	WATER CLOSET	4"	2"	1/2"			4	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE, ELONGATED BOWL, ADA COMPLIANT, 1.6 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSENITE #95 OR EQUIVALENT. FLUSHOMETER TANK: SLOAN FLLUSHMATE OR EQUAL. PROVIDE TANK COVER LOCKS. FLUSH VALVES SHALL BE RIGHT HAND OR LEFT HAND AS REQUIRED TO CORRESPOND WITH ACCESS FROM WIDE SIDE OF STALL. VERIFY FLUSH SIDE REQUIREMENTS	AM. STD. "CADET" / MODEL: 3109.016/4098.800 KOHLER "HIGHLINE" / MODEL: K-3544-T CRANE "ECONMISER" / MODEL: 3H839
	WALL								CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS	JOSAM / MODEL: 58510
(WCO 1)	CLEANOUT								PLÜG, WITH STAINLESS STEEL ACCESS COVER.	WADE / MODEL: 8560E ZURN / MODEL: Z-1446-BP



3/4"

RECIRCULATION PUMP WITH INTEGRAL AQUASTAT AND 24-HOUR TIMER. 4 GPM @ 10' HEAD.

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY ROBERT WAYNE CASE, PE ON JUNE 24, 2022, COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ROBERT WAYNE CASE

FLORIDA PE. #44643

PLAN SET REVISIONS: 1 06/22/22 - BUILDING COMMENTS 2 09/12/22 - BUILDING COMMENTS

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CONTRACT DATE: 12-18-2019 BUILDING TYPE: Kb 30-19 PLAN VERSION:

SITE NUMBER: **ENTITY NUMBER:** STORE NUMBER:

LIS PROJECT;

2019-303

KFC OAKLEAF CORNER OUTPARCEL 3 DUVAL COUNTY, FL



PLUMBING SCHEDULES AND NOTES

P1.0

GREASE TRAP DESIGN INFORMATION

PLUMBING FIXTURE SUMMARY

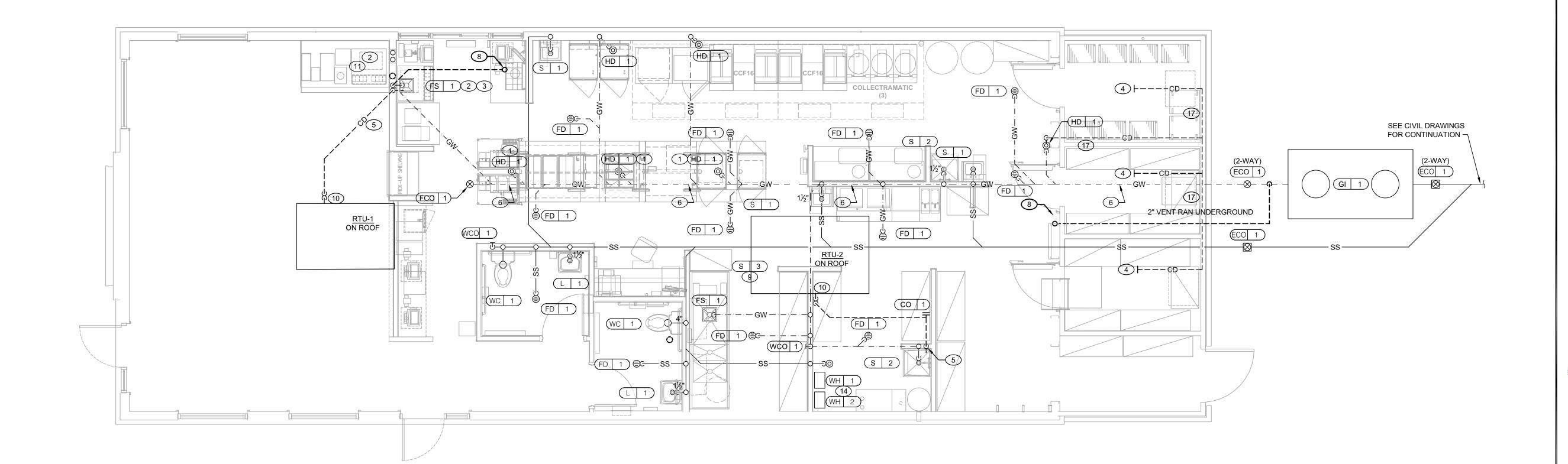
D

RCP 1

) | PUMP

PLUMBING SCHEDULE /12/2022 2:26 PM

ARMSTRONG ASTRO SERIES



WASTE & VENT PLAN 1/4"=1'-0" A

10 1-1/2" CONDENSATE DRAIN DOWN FROM RTU. SEE DETAIL 13 ON DWG. P6.0.

11) RUN DRAIN LINE FROM S/S DRINK MACHINE THRU WALL OPENING TO OUTFALL AT FLOOR SINK BENEATH D/T DRINK MACHINE..

12 NOT USED.

13 1-1/2" CONDENSATE DRAIN PIPE DOWN TO MOP SINK/HUB DRAIN. PROVIDE AIR GAP AS REQUIRED BY CODE. IF REQUIRED RUN CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.

14 WATER HEATER CONDENSATE. SEE DETAIL 2 / P6.0.

15 NOTE NOT USED.

16 NOTE NOT USED.

17 HEAT TRACE WASTE PIPING BELOW FREEZER/COOLER.

KFC OAKLEAF CORNER OUTPARCEL 3 DUVAL COUNTY, FL

CONTRACT DATE:

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

ENTITY NUMBER:

STORE NUMBER:

LIS PROJECT;



THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY ROBERT WAYNE CASE, PE ON JUNE 24, 2022,

USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

signed by

2022.09.12

12-18-2019

Kb 30-19

2019-303

12:07:50 -04'00'

ROBERT WAYNE CASE FLORIDA PE. #44643

1\ 06/22/22 - BUILDING COMMENTS 2 09/12/22 - BUILDING COMMENTS

PLAN SET REVISIONS:

WASTE AND VENT PLAN

P2.0

A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO ROOF PLAN FOR LOCATIONS.

B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.

C. STORM WATER PIPING IS SIZED FOR A RAINFALL OF 4" PER HOUR. ADJUST ROOF DRAIN (RD-1) / OVERFLOW DRAIN (OFD-1) SIZE, AND STORM PIPE SIZE, PER THE LOCAL RAINFALL REQUIREMENTS AND BY THE AUTHORITY HAVING JURISDICTION. SEE KEYNOTES 15 AND 16, THIS SHEET.

D. INSULATE ALL HORIZONTAL RUNS OF STORM DRAINAGE PIPING ABOVE THE CEILING OR EXPOSED WITH 1" CLOSED CELLULAR INSULATION WITH VAPOR BARRIER JACKET THAT CAN BE PAINTED.

E. COORDINATE LOCATION OF STORM WATER PIPING ABOVE CEILING WITH ALL TRADES PRIOR TO INSTALLATION.

NOT USED

E

NOT USED

D

1 PROVIDE FLOOR SINK, IN LIEU OF HUB DRAIN, IF REQUIRED BY LOCAL CODE.

PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO FLOOR SINK. PROVIDE AIR GAP PER LOCAL CODE. 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO FLOOR SINK. PROVIDE AIR

4 PROVIDE 3/4" PVC OR COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO RUN INSIDE WALL AND OUTFALL AT MOP SINK/FLOOR SINK (HEAT ROPE IS SUPPLIED W/ FREEZER CONDENSATE). EXPOSED PORTION OF

5 PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN ABOVE CEILING TO MOP SINK/FLOOR SINK. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR PIPE SIZES.

6 ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTLET OF INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

7 NOTE NOT USED.

GAP PER LOCAL CODE.

CONDENSATE SHALL BE COPPER.

8 4" VENT UP THROUGH ROOF, COORDINATE W/ STRUCTURAL.

9 PIPE 3-COMPARTMENT SINK TO GREASE WASTE PIPING.

WASTE & VENT PLAN NOTES C

KEY NOTES 22-511575.000 ATE:

WATER & GAS PLAN 1/4"=1'-0" A

B. NO ROOF PENETRATIONS PERMITTED WITHIN THE ROOF "WATER

A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISH CEILING. UNDER SLAB DISTRIBUTION ALLOWED AT CONTRACTOR OPTION.

VALLEYS", REFER TO ROOF PLAN FOR LOCATIONS.

C. REFER TO SHT P4.0 FOR ROUGH-IN LOCATIONS.

COORDINATE ALL DETAILS.

D. REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.

E. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WATER SUPPLY PIPING SIZES.

F. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL GAS PIPING

1 NOT USED

2 NOT USED

3 ½" TEMPERED WATER LINE DOWN IN WALL TO HAND SINK.

4 1" HOT AND COLD WATER LINES TO WATER HEATER.

5 $\frac{1}{2}$ " HOT AND COLD WATER LINES IN DOWN WALL TO PREP SINK.

6 ½" HOT AND COLD WATER LINES DOWN IN WALL TO THREE COMPARTMENT SINK.

7 ½" FILTERED WATER LNE DOWN IN WALL TO BELOW SLAB. DO NOT INSTALL ANY JOINTS BELOW SLAB.

8) $\frac{1}{2}$ " HOT AND COLD WATER LINES DOWN IN WALL TO THE MOP SINK.

9 ½" COLD WATER LINE DOWN IN WALL TO WATER CLOSET FLUSHOMETER TANK.

10 REDUCED PRESSURE BACKFLOW PREVENTER LOCATED ABOVE THE CEILING IF ALLOWED BY LOCAL UTILITY. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. PIPE RELIEF TO HUB DRAIN. VERIFY LOCATIONS WITH CIVIL DWGS. VERIFY WATER SERVICE REQUIREMENTS WITH CITY.

11) ½" HOT WATER LINE DOWN IN WALL, WITHIN 2'-0" OF LAVATORY TO MIXING VALVE. TEMPERING MIXING VALVE SHALL BE SET @

 $3\!\!/\!_{\!\!\!4}$ COLD WATER LINE DOWN IN WALL TO WATER FILTERS <S-287> and <S-288>. SEE KEYNOTES 13 AND 16, THIS SHEET.

13) ½" FILTERED WATER LINE FROM WATER FILTER <\$-288> TO HOT HOLDING CABINETS <\$-015> / <\$-017> AND HOT WATER MACHINES <P-721>. SEE DRAWINGS A2.0, P5.0, AND P6.0. SEE KEYNOTES 7 and 17, THIS SHEET.

(14) ½" COLD WATER LINE DOWN IN WALL TO INTERIOR HOSE BIBB. SEE KEYNOTE 27, THIS SHEET.

15) ½" COLD WATER LINE DOWN IN WALL TO EXTERIOR HOSE BIBB.

BUNDLED SYRUP LINES FROM FILTER <2-287> TO BEVERAGE DISPENSERS <S-532> AND FILTERED WATER LINES TO ICE CUBERS <S-512>. SEE DRAWINGS A2.0, A7.1, P5.0 AND P6.0.

17) ½" FILTERED WATER DOWN IN WALL TO BUNN HOT WATER MACHINES < P-721 > (Qty. 2). BRANCH-OFF FOR EACH DISPENSER, STUB OUT OF WALL @ 6'-0" A.F.F. PROVIDE MANUAL CUT-OFF VALVE FOR EACH DISPENSER. SEE ELEVATION 7 / A8.2 FOR REFERENCE.

18 2" WALL-MOUNTED GAS PIPE DOWN WALL TO COOKING EQUIPMENT. COORDINATE LOCATION w/ WALK-IN COOLER BOX. 19 2" GAS MANIFOLD ALONG WALL TO COOKING EQUIPMENT. MOUNTING HEIGHT @ 12" A.F.F.

20 ½" FILTER WATER STUB-UP FROM BELOW SLAB TO 1" A.F.F. FOR CONNECTION TO HEATED CABINETS <S-015> (Qty. 2) and <S-017> (Qty. 2). SEE KEYNOTE 7, THIS SHEET.

3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATERS, PIPE INTAKE THRU ROOF AND EXHAUST THRU REAR WALL AS RECOMMENDED BY MANUFACTURER. SEE SHEET M2.0 AND DETAIL 2/P6.0.

22 1" GAS CONNECTION FOR FUTURE / OPTIONAL SINGLE OPEN FRYER; SEE SHEET P5.0. VERIFY WITH OWNER.

1" GAS CONNECTION TO EACH PRESSURE FRYER. PROVIDE FLEXIBLE HOSE KIT AS INDICATED ON ARCHITECTURAL DRAWING A2.1.

24 EMERGENCY GAS SHUT-OFF VALVE LOCATED BELOW CEILING. OPTIONAL COFFEE AND TEA MAKERS: VERIFY WITH OWNER IF REQUIRED. PROVIDE ½" FILTER WATER TO EACH IF REQUIRED.

WATER HEATER (WH-1) AND (WH-2). PIPE CONDENSATE LINE, T&P DISCHARGE AND DRAIN PAN TO FLOOR SINK. SEE WATER HEATER DETAIL 2 / P6.0.

27 PROVIDE 3/4" HOSE BIB CONNECTION. ROUGH-IN @ 24" A.F.F. 1" COLD WATER LINE DOWN IN WALL TO EXTERIOR IRRIGATION VALVE BOX. COORDINATE WITH IRRIGATION TIMER (IR-01) LOCATED IN MANAGER'S OFFICE; COORDINATE WITH ELECTRICAL.

29 1½" GAS PIPE DOWN TO WATER HEATERS.

30 NOTE NOT USED.

PROVIDE 3/4" COLD WATER SUPPLY STUB UP AND SHUT OFF VALVE FOR FUTURE CONNECTION TO ROOF TOP HOSE BIBB.

THIS ITEM HAS BEEN ELECTRONICALL SIGNED AND SEALED BY ROBERT WAYNE CASE, PE ON JUNE 24, 2022, COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Digitally signed by **ROBERT W** Date:

2022.09.12 12:08:12

FLORIDA PE. #44643

PLAN SET REVISIONS: 1 06/22/22 - BUILDING COMMENTS 2 09/12/22 - BUILDING COMMENTS

ROBERT WAYNE CASE

CONTRACT DATE: 12-18-2019 Kb 30-19

BUILDING TYPE: PLAN VERSION: SITE NUMBER:

ENTITY NUMBER:

STORE NUMBER: LIS PROJECT;

2019-303

OAKLEAF CORNER OUTPARCEL 3 DUVAL COUNTY, FL



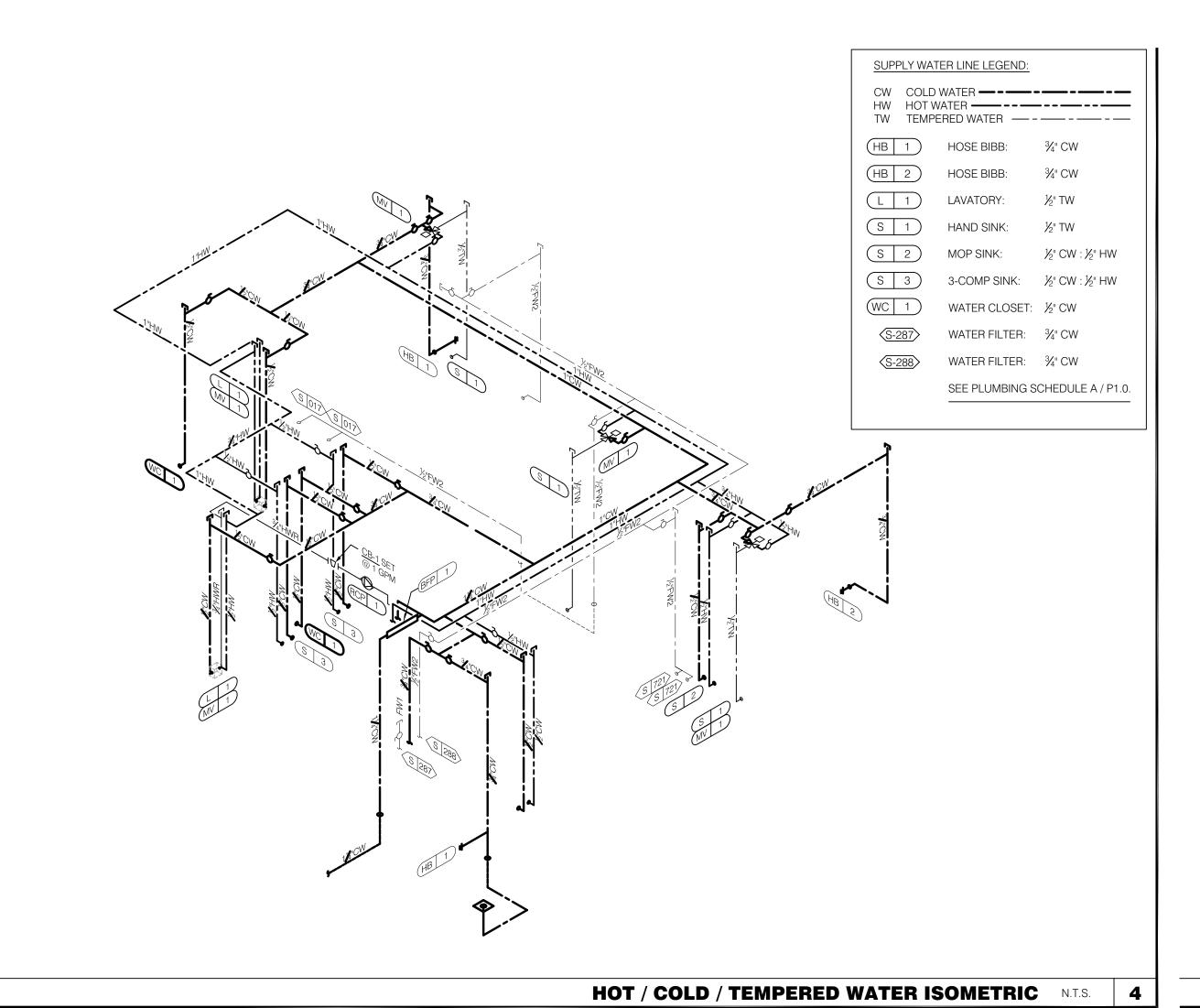
WATER AND GAS PLAN

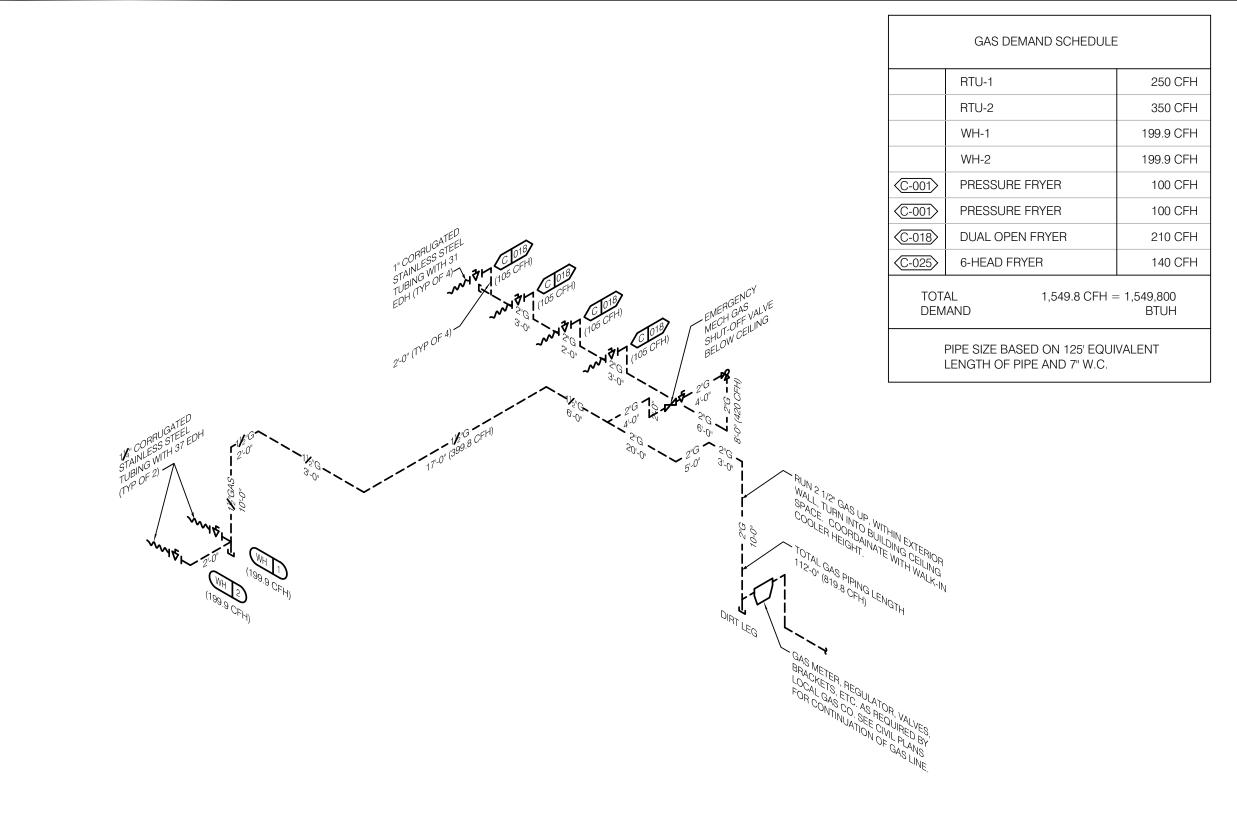
P3.0

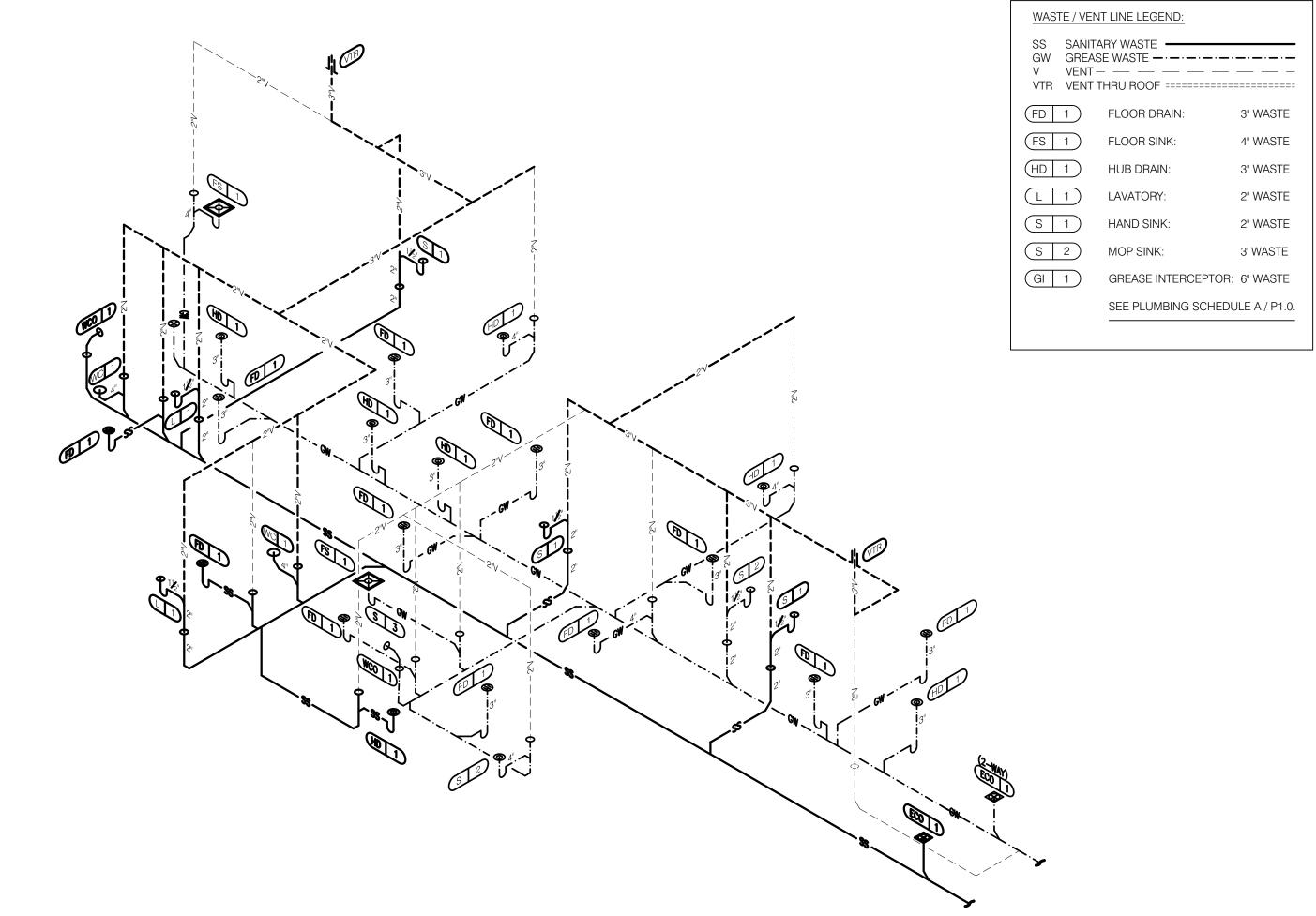
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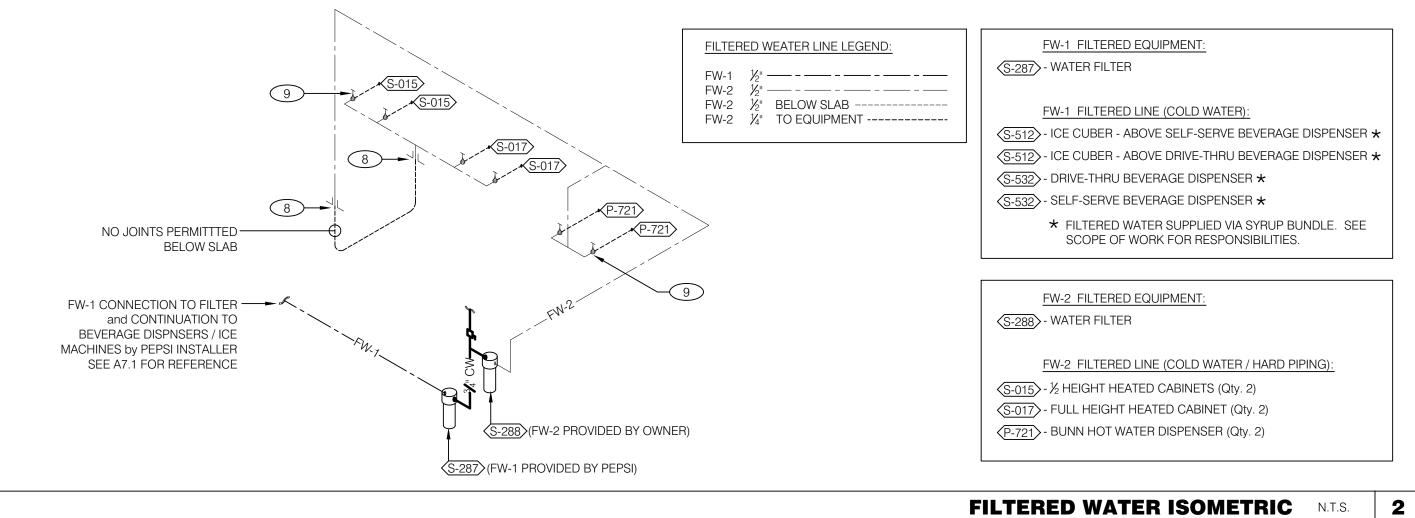
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WATER & GAS PLAN NOTES









1 ENTIRE RUN OF DRAIN LINES ON INLET TO GREASE TRAP SHALL BE SCHEDULE 40 PVC OR AS REQUIRED BY

- 2 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK / LAVATORY.
- 3 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
- 4 THERMOSTATIC MIXING VALVE.

GAS ISOMETRIC N.T.S.

BE LOCATED OUTSIDE OF THE UNIT.

- REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQUIREMENTS. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DRAWINGS.
- 6 EMERGENCY GAS SHUT-OFF VALVE SHALL BE A MECHANICALLY OPERATED VALVE ACTIVATED BY THE EXHAUST HOOD FIRE SUPPRESSION SYSTEM IN ACCORDANCE WITH IBC AND NFPA. LOCATE SHUT-OFF BELOW FINISH
- 7 FACTORY GAS PIPING AT ROOF TOP UNIT FOR THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL
- 8 1/2" FILTERED WATER, CONTINUE BELOW SLAB, ROUTE UP THROUGH FLOOR CAP PIPE 1" A.F.F. FOR CONNECTION TO HEATED CABINETS <S-015> / <S-017>.

- 9 1/2" FILTERED WATER; TERMINATE WITH BALL VALVE / TRANSITION TO 1/4" LINE FOR CONNECTION TO
- 10 GAS SHUT-OFF VALVE IN CEILING SPACE BY G.C.
- PIPE T&P RELIEF VALVE TO OUTSIDE OF BUILDING OR TO HUB DRAIN. RUN FULL SIZE PIPE FROM VALVE WITH TYPE "K" COPPER TUBING.
- 12 PROVIDE TRAP PRIMERS AS REQUIRED PER CODE.
- 13 IRRIGATION VALVE BOX. COORDINATE WITH ENLARGED PLAN 3 / E3.1 and COMMUNICATIONS PLAN E5.0.
- 2" GAS MANIFOLD; WALL MOUNTED 12" A.F.F.
- 16 PROVIDE 1" GAS LINE, CAPPED-OFF (FOR FUTURE TIE-IN).
- PROVIDE 1" GAS LINE FOR FUTURE / OPTIONAL SINGLE OPEN FRYER < C-017>; VERIFY WITH OWNER.

WASTE / VENT ISOMETRIC N.T.S.

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signed by **ROBERT W** 2022.09.12

12:08:48 ROBERT WAYNE CASE

FLORIDA PE. #44643

4	PLAN SET REVISIONS:
•	06/22/22 - BUILDING COMMENTS
	09/12/22 - BUILDING COMMENTS
	\triangle

CONTRACT DATE: BUILDING TYPE: Kb 30-19 PLAN VERSION: SITE NUMBER: ENTITY NUMBER:

STORE NUMBER:

LIS PROJECT;

KFC OAKLEAF CORNER OUTPARCEL 3 DUVAL COUNTY, FL



RISER DIAGRAMS

P4.0

