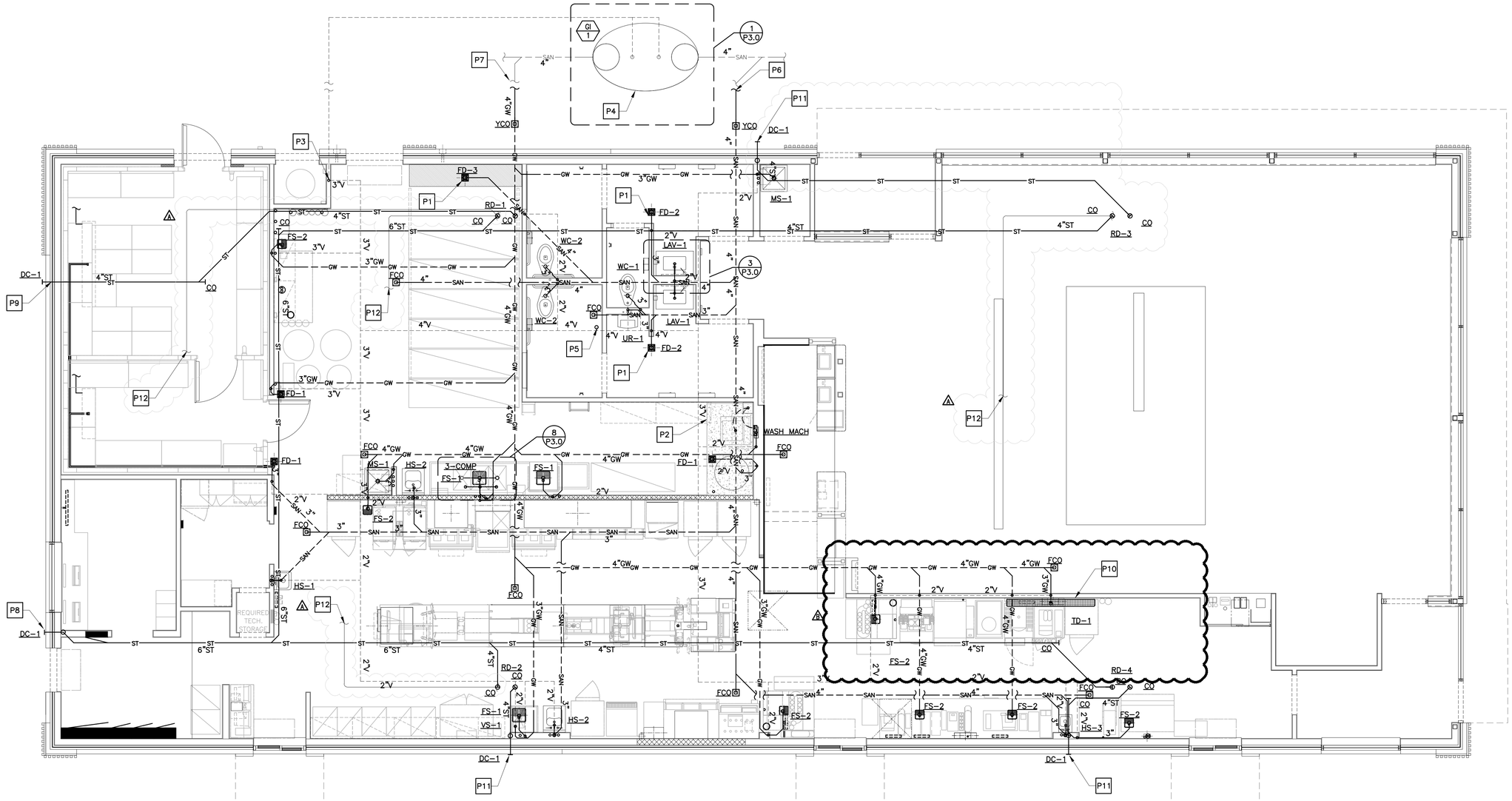

1 P1.2 WASTE & VENT PIPING PLAN
1/4"=1'-0"

DRAWING NOTES

1. PIPING ROUTES ARE GENERAL AND MAY VARY DUE TO FIELD CONDITIONS. COORDINATE ALL PIPE ROUTES WITH OTHER TRADES.
2. WALL CLEAN-OUTS FOR WASTE PIPING NOT SHOWN FOR CLARITY. SEE GENERAL NOTES FOR REQUIREMENTS.
3. ONLY MAIN FLOOR CLEAN-OUTS ARE SHOWN FOR CLARITY. SEE GENERAL NOTES FOR REQUIREMENTS.
4. ALL HORIZONTAL STORM DRAINAGE PIPING SHALL BE INSULATED TO PREVENT CONDENSATION. INSULATION NOT SHOWN FOR CLARITY. SEE PLUMBING NOTES FOR INSULATION REQUIREMENTS.=

KEYED NOTES

- P1 PROVIDE PROSET TRAP GUARD® OR TRAP PRIMER FOR FLOOR DRAIN OR FLOOR SINK.
- P2 TOP OF CONCRETE SLAB IS 0'-6" A.F.F.
- P3 VENT FROM GREASE INTERCEPTOR. SEE SITE PLAN FOR CONTINUATION. COORDINATE PIPE ROUTING WITH LOCATION OF GREASE INTERCEPTOR.
- P4 GREASE INTERCEPTOR LOCATION SHOWN FOR REFERENCE ONLY. COORDINATE GREASE INTERCEPTOR LOCATION WITH CIVIL ENGINEER AND SITE CONTRACTOR.
- P5 4"x5" VENT THROUGH ROOF
- P6 SANITARY LINE TO SANITARY SEWER. SEE SITE PLAN FOR CONTINUATION.
- P7 GREASE LINE TO EXTERIOR GREASE INTERCEPTOR. SEE SITE PLAN FOR CONTINUATION
- P8 TERMINATE BOTTOM OF PRIMARY STORM DRAIN A MINIMUM OF 12" ABOVE GRADE WITH DOWNSPOUT COVER.
- P9 TERMINATE OVERFLOW DRAIN AS HIGH AS POSSIBLE WITH DOWNSPOUT COVER.
- 4 5 P10 REFERENCE MANUFACTURER INSTALLATION GUIDE FOR LAYOUT GUIDELINES PRIOR TO INSTALL AND POURING THE SLAB
- P11 TERMINATE BOTTOM OF OVERFLOW DRAIN A MINIMUM OF 12" ABOVE GRADE WITH DOWNSPOUT COVER.
- P12 ROUTE CONDENSATE TO ROOF DRAIN AS SHOWN

WASTE PIPE SIZING - UPC

Fixture Type	TRAP SIZE	DFU	QUANTITY	TOTAL
URINAL	2 IN.	2	1	2
WATER CLOSET	3 IN.	4	3	12
LAVATORY SINK	1 1/4 IN.	1	2	2
WASH SINK (HAND SINK)	1 1/2 IN.	2	4	8
FLOOR DRAIN OR SINK	3 IN.	6	5	30
FLOOR DRAIN OR SINK	4 IN.	8	1	8
FLOOR DRAIN EMERGENCY	3 IN.	0	0	0
			TOTAL	62

GREASE PIPE SIZING - UPC

MOP SINK	3 IN.	3	2	6
4 FLOOR DRAIN OR SINK	3 IN.	6	10	60
~~TRENCH DRAIN~~	~~4 IN.~~	~~8~~	~~1~~	~~8~~
WASHING MACHINE	2 IN.	3	1	3
			4 TOTAL	77

STORM PIPE SIZING

RAINFALL = 4 IN./HR

VERTICAL LEADERS		
	ROOF AREA	SIZE
ROOF DRAIN	SQ. FT.	IN.
RD-1	1,345	3
RD-2	1,340	3
RD-3	1,145	3
RD-4	1,145	3
TOTAL	4,975	

HORIZONTAL PIPING (SLOPE ⅛" PER FOOT)		
	ROOF AREA	SIZE
ROOF DRAIN	SQ. FT.	IN.
RD-1	1,345	4
RD-2	1,340	4
RD-3	1,145	4
RD-4	1,145	4
RD-1 & RD-3	2,490	6
RD-2 & RD-4	2,485	6
RD-1, RD-2, RD-3 & RD-4	4,975	6

REV	DATE	DESCRIPTION	BY
4	12/03/20	SERVICE AREA OPTIMIZATION	WLW
3	11/13/20	USRD SAO SET REVIEW	WLW
2	05/05/20	CIVIL & PLAN REVIEW COMMENTS	WLW
1	01/23/20	PERMIT SET	WLW
	01/13/20	USRD PROGRESS SET REVIEW	WLW

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12/03/20

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McDonald's USA, LLC

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DRAWN BY: WLW
STD ISSUE DATE: 2019_11
REVIEWED BY: WLW
DATE ISSUED: 01-23-20
R@19175

TITLE: 2019 STANDARD BUILDING – BB20
4597F10-WOOD/WOOD

DESCRIPTION: WOOD BEARING WALLS W/FIBER CEMENT SIDING & CI
WOOD ROOF TRUSS FRAMING
FIBER CEMENT PANEL/BATTEN/ALPOLIC PANEL/BRICK EXT. FINISH

SITE ID: 015-0071
SITE ADDRESS: 605 SOUTH 7TH STREET, KANSAS CITY, KS

SHEET NO. 015-0071.00.B
P1.2
WASTE, VENT & STORM PIPING