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## ARCHITECTURAL SUPPLEMENTAL INSTRUCTION

### **Do Not Proceed**

with any action requiring an adjustment to the contract sum  
or schedule without a signed change order.

**To:**

John Muter  
Muter Construction  
111 East Vance Street  
Zebulon, NC 27597  
Phone: 919-749-9340

**Date:**

8.7.2020

**ASI No.:**

**2**

**Project No.:****From:**

John D. Murray, AIA

**Project:** Renovations to the Country Club of Landfall Dye Club House

**Origin:** CBHF Engineers

**Sent Via:** Email

**Spec Section/Drawing:** P0.2r1, P0.4r1, P1.2r1, P2.1r1, P2.2r1

**ASI Subject:** Coordination of plumbing with architectural men's toilet 210.

**Description:**

The late change to men's toilet 210 required plumbing coordination following release to the contractor.

**By:** John D. Murray, AIA

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PLUMBING FIXTURE SCHEDULE

DRAWING CODE	FIXTURE		DESCRIPTION	MANUFACTURER	MODEL	NOTES	PIPE SIZE			
							DCW	DHW	WASTE	VENT
WC1	TANK TYPE WATER CLOSET, FLOOR MTD, 1.28GPF, ADA	BOWL	17.25" HIGH BOWL, ELONGATED, VITREOUS CHINA, WHITE	SIGNATURE HARDWARE	KEYWEST - 948416	4,7	1/2"	-	4"	2"
		SEAT	INCLUDED	-	-					
WC2	TANK TYPE WATER CLOSET, FLOOR MTD, 1.28GPF, ADA	BOWL	17.25" HIGH BOWL, ELONGATED, VITREOUS CHINA, WHITE	SIGNATURE HARDWARE	KEYWEST - 948416	7	1/2"	-	4"	2"
		SEAT	INCLUDED	-	-					
UR1	URINAL WALL HUNG, 1.0GPF ADA	BOWL	VITREOUS CHINA, WASHOUT, ELONGATED RIM MTD. 17 A.F.F. MAX., 3/4"BACK SPUD	TOTO	UT447EV	1	3/4"	-	2"	2"
		FLUSH VALVE	SELF-POWERED HYDROELECTRIC, MANUAL OVERRIDE, 4"x4" COVERPLATE, BRUSHED STAINLESS STEEL FINISH	TOTO	TEU3LA					
LAV1	UNDERMOUNT LAVATORY, RECTANGULAR BASIN, OVERFLOW DRAIN, ADA (FIRST FLOOR WOMEN'S/MENS)	BOWL	19X15 VITREOUS CHINA, WHITE	KOHLER	K-2882-0	1,2,3,7	1/2"	1/2"	2"	2"
		FAUCET	TWO HANDLE, WIDE SPREAD DECK MOUNT, 1.5GPM, 3 HOLE MOUNT, METAL POP-UP DRAIN,	BRIZO	T65898LFGLLHP / DHL5398GL					
		DRAIN	INCLUDED	-	-					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 90°F INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135					
LAV2	UNDERMOUNT LAVATORY, RECTANGULAR BASIN, OVERFLOW DRAIN, ADA (SECOND FLOOR WOMEN'S)	BOWL	19X15 VITREOUS CHINA, WHITE	KOHLER	K-2882-0	1,2,3,7	1/2"	1/2"	2"	2"
		FAUCET	TWO HANDLE, WIDE SPREAD WALL MOUNT, 1.5GPM, 3 HOLE MOUNT, METAL POP-UP DRAIN,	BRIZO	T65898LFGLLHP / DHL5898GL					
		DRAIN	PUSH POP-UP	BRIZO	DRP81628GL					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 90°F INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135					
LAV3	UNDERMOUNT LAVATORY, RECTANGULAR BASIN, OVERFLOW DRAIN, ADA (SECOND FLOOR MEN'S)	BOWL	19X15 VITREOUS CHINA, WHITE	KOHLER	K-2882-0	1,2,3,7	1/2"	1/2"	2"	2"
		FAUCET	SINGLE HOLE, SINGLE LEVER, DECK MOUNT, 1.5GPM	BRIZO	65076LFGL					
		DRAIN	PUSH POP-UP	BRIZO	DRP81628GL					
		MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 90°F INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135					
GW1	GAS WATER HEATER, 100 GAL, DIRECT VENT	FIXT	GLASS LINED, NAT GAS, 199 MBH INPUT, 230 GPH RCVY. @ 100 DEG RISE	A.O. SMITH	BTH-199	6	3/4"	3/4"	-	-
EXP TANK	10 GAL DIAPHRAGM		TW-10	-	-					
FCO	FLOOR CLEANOUT	FIXT	C.I. BODY, 6-1/2"TOPS, ADJUSTABLE, SCORIATED, NICKEL BRONZE TOP	SIOUX CHIEF	834	-	-	-	MATCH	-
GCO	GRADE CLEANOUT	FIXT	C.I. BODY, RECESSED BRONZE PLUG.	SIOUX CHIEF	877	-	-	-	MATCH	-
WCO	WALL CLEANOUT	FIXT	ROUND S/S ACCESS COVER & SCREW, RECESS BRONZE THRD. PLUG	SIOUX CHIEF	870	-	-	-	MATCH	-
FD1	FLOOR DRAIN	FIXT	FINISHLINE ADJUSTABLE, SCH. 40 HUB CONNECTION, ABS/PVC BASE ADAPTOR, ROUND NICKLE BRONZE STRAINER TRAP PRIMER CONNECTION	SIOUX CHIEF	832	5	-	-	MATCH	-
FS1	FLOOR SINK	FIXT	12x12x8 A.R.C.I. RECEPTOR, MEMBRANE CLAMP, DOME STRAINER, 1/2 GRATE	SIOUX CHIEF	861		-	-	MATCH	-
SI1	SOLIDS INTERCEPTOR	FIXT	INDOOR/OUTDOOR POLYETHYLENE SOLIDS INTERCEPTOR,	SCHIER	PS-50-S	-	-	-	MATCH	-
AD1	AREA DRAIN	FIXT	HEAVY DUTY DURA COATED CI, BOTTOM OUTLET, FLASHING CLAMP, SEDIMENT BUCKET	ZURN	2662	-	-	-	-	-
CP1	HOT WATER RECIRCULATION PUMP	FIXT	IN-LINE WET ROTOR, STAINLESS STEEL VOLUTE, 3-SPEED, 115/1/60, 125W. BUILT IN THERMAL PROTECTION. 10GPM@10"TDH	GRUNDFOS	UPS 15-55	-	-	MATCH	-	-
HB1	INTERIOR HOSE BIBB	FIXT	POLISHED CHROME, VACUUM BREAKER, WHEEL HANDLE, 3/4" HOSE THREAD	WOODFORD	24	1/2"	-	-	-	-
YH1	YARD HYDRANT	FIXT	FREEZELESS, AUTOMATIC DRAINING	WOODFORD	Y2	1"	-	-	-	-
WH1	WALL HYDRANT	FIXT	CHROME PLATED BRASS, ANTI-SIPHON, VACUUM BREAKER, DOUBLE CHECK BACKFLOW PREVENTER, REMOVABLE TEE HANDLE, 3/4" HOSE THREAD	WOODFORD	67	3/4"	-	-	-	-
OB1	WASHER CONNECTION BOX	FIXT	ABS HOUSING, 1/4 TURN BALL VALVE, CHROME PLATED BRASS, SHOCK ARRESTORS	SIOUX CHIEF	696	1/2"	1/2"	2"	2"	
NOTES										
1. PROVIDE MATCHING WALL HANGER. COORDINATE WITH G.C. FOR WALL REINFORCING.										
2. PROVIDE BRASS 1-1/2" TAILPIECE, CAST BRASS SLIP JOINT P-TRAP WITH CLEANOUT; PROVIDE ADA OFFSET ARRANGEMENT WHERE REQUIRED.										
3. PROVIDE AND INSTALL TAIL-PIECE TRAP PRIMER WHERE INDICATED ON DRAWINGS										
4. TRIP LEVER OR FLUSH HANDLE TO BE LOCATED ON WIDE SIDE OF STALL OR TOILET ROOM.										
5. PROVIDE TRAP PRIMER										
6. FIELD ROUTE 1" DRAIN PAN DRAIN PIPING TO CLOSEST INDIRECT DRAIN OR SPILL TO GRADE.										
7. PROVIDE 1/2" IPS X 3/8" OD ANGLE BRASS STOP(S) WITH RIGID COPPER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.										

KITCHEN EQUIPMENT SCHEDULE

MARK	FIXTURE	PIPE SIZE					REMARKS
		CW	HW 140°F	WASTE	VENT	GAS	
DOWNSTAIRS BAR							
3	UNDERBAR ICE BINS	-	-	ID	-	-	
4	UNDERBAR GLASS RACK	-	-	ID	-	-	
5	UNDERBAR BLENDER STATION	1/2"	1/2"	ID	-	-	
7	UNDERBAR GLASS RACK	-	-	ID	-	-	
8	UNDERBAR ICE BINS	-	-	ID	-	-	
10	HAND SINK	1/2"	1/2"	2"	2"	-	
12	DIRECT DRAW BEER COOLER	-	-	ID	-	-	
DOWNSTAIRS KITCHEN							
5	HAND SINK	1/2"	1/2"	2"	2"	-	
7	GAS FRYER	-	-	-	-	3/4"	107 MBH
8	CHARBROILER	-	-	-	-	3/4"	80 MBH
10	36" GAS RANGE	-	-	-	-	3/4"	99 MBH
15	HAND SINK	1/2"	1/2"	2"	2"	-	
21	PREP TABLE W/ SINK	1/2"	1/2"	ID	-	-	
25	HAND SINK	1/2"	1/2"	2"	2"	-	
26	3 COMPARTMENT SINK	1/2"	1/2"	ID	-	-	WITH PRE-RINSE
27	UNDERCOUNTER DISHWASHER	-	3/4"	ID	-	-	
UPSTAIRS BAR							
1	HAND SINK	1/2"	1/2"	2"	2"	-	
4	UNDERBAR ICE BINS	-	-	ID	-	-	
6	UNDERBAR BLENDER STATION	1/2"	1/2"	ID	-	-	
7	UNDERBAR GLASS RACK	-	-	ID	-	-	
8	GLASS WASHER	1/2"	1/2"	ID	-	-	
10	UNDERBAR ICE BINS	-	-	ID	-	-	
12	HAND SINK	1/2"	1/2"	2"	2"	-	
14	DIRECT DRAW BEER COOLER	-	-	ID	-	-	
UPSTAIRS KITCHEN							
1	SELF COOKING CENTER	3/4"	-	ID	-	3/4"	151.5 MBH, HIGH TEMP DISCHARGE. PROVIDE BFP
2	36" GAS RANGE	-	-	-	-	3/4"	203 MBH
2	RADIANT COMPACT BROILER	-	-	-	-	-	40 MBH
4	(X)GAS FRYER	-	-	-	-	3/4"	? MBH
5	(X)GAS FRYER	-	-	-	-	3/4"	? MBH
14	PRE-RINSE	1/2"	1/2"	-	-	-	
NOTES:	1. ID INDICATES INDIRECT DRAIN 2. PLUMBING CONTRACTOR TO ROUGH-IN AND MAKE FINAL PLUMBING CONNECTIONS TO ALL KITCHEN EQUIPMENT. COORDINATE w/ KITCHEN EQUIPMENT SUPPLIER. 3. DUAL CHECK NSF APPROVED FOR FOOD SERVICE, WATTS Cu7 OR EQUAL AS APPROVED BY LOCAL JURISDICTION. 4. PROVIDE CHECK VALVES ON HOT AND COLD SUPPLIES TO FIXTURE.						

GAS LOAD SCHEDULE

FIXTURE TAG	DESCRIPTION	BTUH RATING	QUANTITY	TOTAL
FIRST FLOOR KITCHEN				
K-7	FRYER	107,000	1	107,000
K-8	CHARBROILER	80,000	1	80,000
K-10	CONVECTION OVEN, GRIDDLE	99,000	1	99,000
SUBTOTAL FIRST FLOOR KITCHEN				286,000
SECOND FLOOR KITCHEN				
K-1	COMBI OVEN	151,500	1	151,500
K-2	RANGE/OVEN/BROILER	208,000	1	208,000
(X)	CHARBROILER / GRIDDLE	140,000	1	140,000
K-4	EXISTING FRYER	90,000	1	90,000
K-5	EXISTING FRYER	90,000	1	90,000
	BROILER	40,000	1	40,000
	(X) FRYER	90,000	2	180,000
SUBTOTAL SECOND FLOOR KITCHEN				899,500
MECHANICAL ATTIC				
GW1	GAS-FIRED WATER HEATER	199,000	1	199,000
GW2	GAS-FIRED WATER HEATER	199,000	1	199,000
SUBTOTAL MECHANICAL ATTIC				398,000
OUTDOOR AREA				0
	EXISTING FIREPIT	100,000	1	100,000
	EXISTING GRILL	50,000	1	50,000
SUBTOTAL OUTDOOR AREA				150,000
TOTAL LOAD				1,733,500
BUILDING SERVICE GAS PRESSURE				2 psi

PLUMBING LEGEND

CA	COMPRESSED AIR PIPING
C	CONDENSATE PIPING
140°F	DOMESTIC 140°F WATER PIPING
140R	DOMESTIC 140°F RETURN WATER PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPING
F	DOMESTIC HOT WATER PIPING
F	FILTERED WATER PIPING
SP	FIRE SPRINKLER PIPING
FM	FORCE MAIN PIPING
NG	GAS PIPING (NAT. OR LP)
GW	GREASE WASTE PIPING
N2	NITROUS OXIDE PIPING
O2	O2 (OXYGEN) PIPING
OD	OVERFLOW ROOF DRAIN PIPING
RD	ROOF DRAIN PIPING
T	SANITARY VENT PIPING
T	SANITARY WASTE PIPING
T	TEPID WATER PIPING
VAC	VACUUM PIPING
	BACKFLOW PREVENTION DEVICE
	BALL VALVE
	CHECK VALVE
	CIRCUIT SETTER (BALANCING VALVE)
	CIRCULATION PUMP
	CONTROL VALVE
	EXTENT OF DEMOLITION
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
	GAS-REGULATOR VALVE
	GATE VALVE
	GATE VALVE IN RISER
GCO	GRADE CLEANOUT
	HOSE BIBB
	PIPE CAP
	PIPE ELBOW
	PIPE ELBOW DOWN
	PIPE ELBOW UP
	PIPE TEE
	PIPE TEE DOWN
	PIPE TEE UP
SP	SUMP PUMP
1	DEMOLITION KEYED NOTE TAG
1	NEW WORK KEYED NOTE
	POINT OF CONNECTION - NEW TO EXISTING
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	THERMOSTATIC MIXING VALVE
WCO	WALL CLEANOUT
	WALL HYDRANT
	WASHING MACHINE BOX
	WATER HAMMER ARRESTOR

NOTE: ALL ITEMS LISTED IN THIS SCHEDULE MAY NOT BE USED IN PROJECT



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PLUMBING ABBREVIATIONS

(X)	EXISTING
AAV	AIR ADMITTANCE VALVE
A.F.F.	ABOVE FINISHED FLOOR
A.R.C.I.	ACID RESISTANT CAST IRON
ADA	AMERICANS WITH DISABILITIES ACT
BRZ	BRONZE
BT	BATHTUB
C.I.	CAST IRON
CO	CLEANOUT
CONC.	CONCRETE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DIA.	DIAMETER
E.C.I.	ENAMELED CAST IRON
EC	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
EWV	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
GA.	GAUGE
GAL.	GALLON
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GWV	GAS-FIRED WATER HEATER
HB	HOSE BIBB
INCL.	INCLUDED
KS	KITCHEN SINK
LAV	LAVATORY
LP	LIQUID PROPANE
MS	MOP SERVICE BASIN
NAT.	NATURAL GAS
NKL.	NICKEL
NON SIMULT.	NON SIMULTANEOUS
O.F.L.C.	OPEN FRONT LESS COVER
OB	OUTLET BOX
OC	ON CENTER
ORDL	OVERFLOW ROOF DRAIN LEADER
PC	PLUMBING CONTRACTOR
PRESS. BAL.	PRESSURE BALANCED
RCVY.	RECOVERY
RD.	ROOF DRAIN LEADER
SA	WATER HAMMER ARRESTOR
SH	SHOWER
SK	SINK
SLD.	SLIDE
SS	STAINLESS STEEL
TDH	TOTAL DYNAMIC HEAD
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VC	VITREOUS CHINA
VR	VANDAL RESISTANT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT

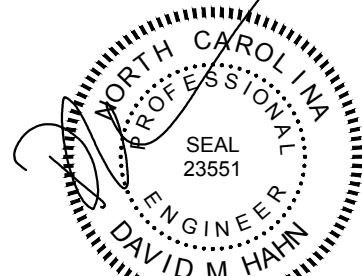
NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

PLUMBING LOADS

WASTE (DRAINAGE FIXTURE UNITS)	79
WATER	81 GPM



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08-05-2020

The Country Club of Landfall  
Dye Club House  
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
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1	08-05-20	CORRECTED FORMAT OF SCHEDULE
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NO.	DATE	ISSUE NOTE
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Project Manager	Drawn By
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Date	Reviewed By
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Project ID
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Sheet Title
LEGEND, SCHEDULES, ABBREVIATIONS, LOADS

Sheet No.

P0.2



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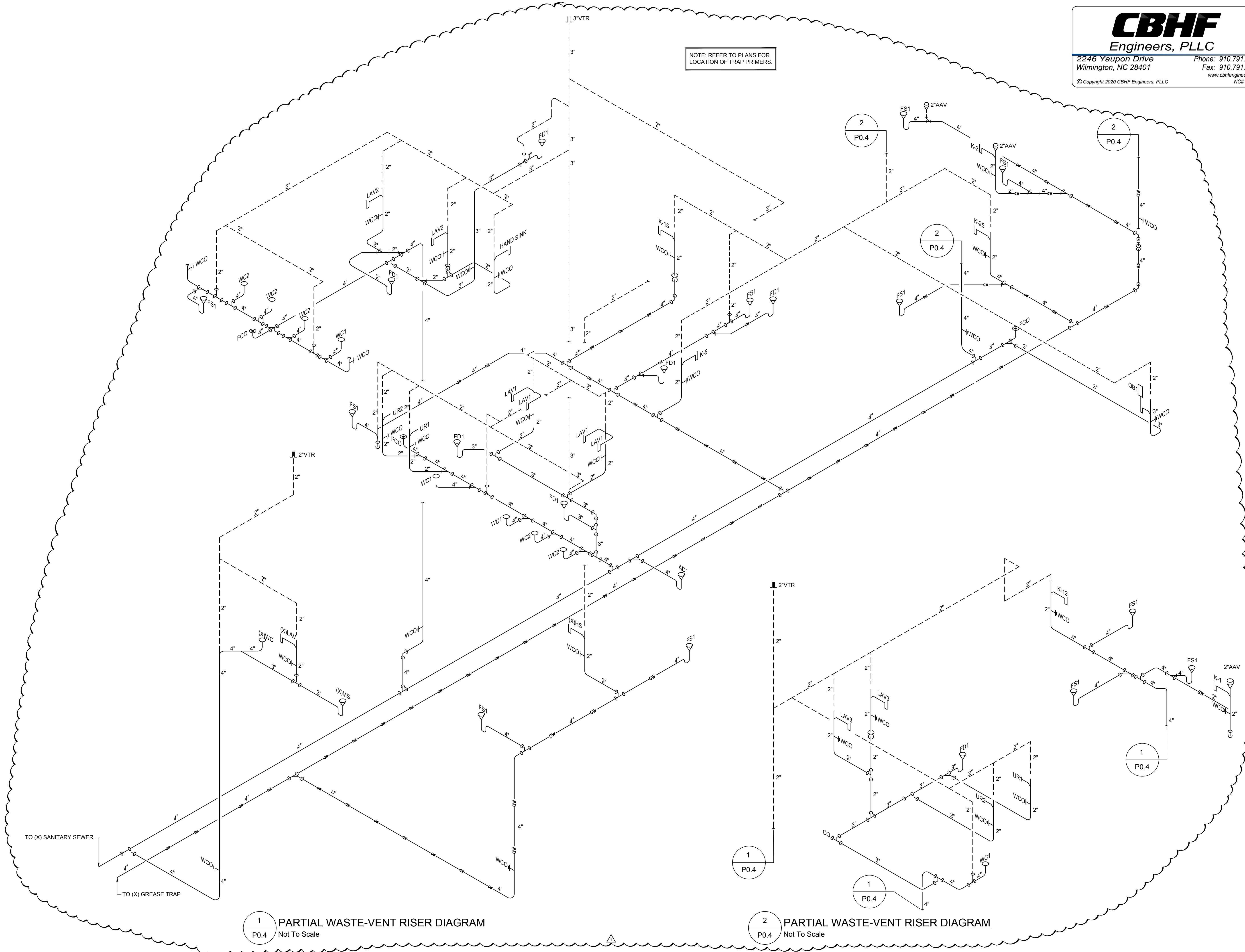
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DAVID M. HAIN  
ENGINEER  
23551  
08-05-2020

The Country Club of Landfall  
Dye Club House  
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08-05-20	REVISED SECOND FLOOR TOILET, ADDED RISER DIAGRAM

NO.	DATE	ISSUE NOTE
Project Manager	Drawn By	JBS
Date	Reviewed By	DMH
Project ID		
Sheet Title		
RISER DIAGRAM		
Sheet No.		

P0.4

**The Country Club of Landfall**  
**Dye Club House**  
Wilmington, North Carolina

DATE	DESCRIPTION

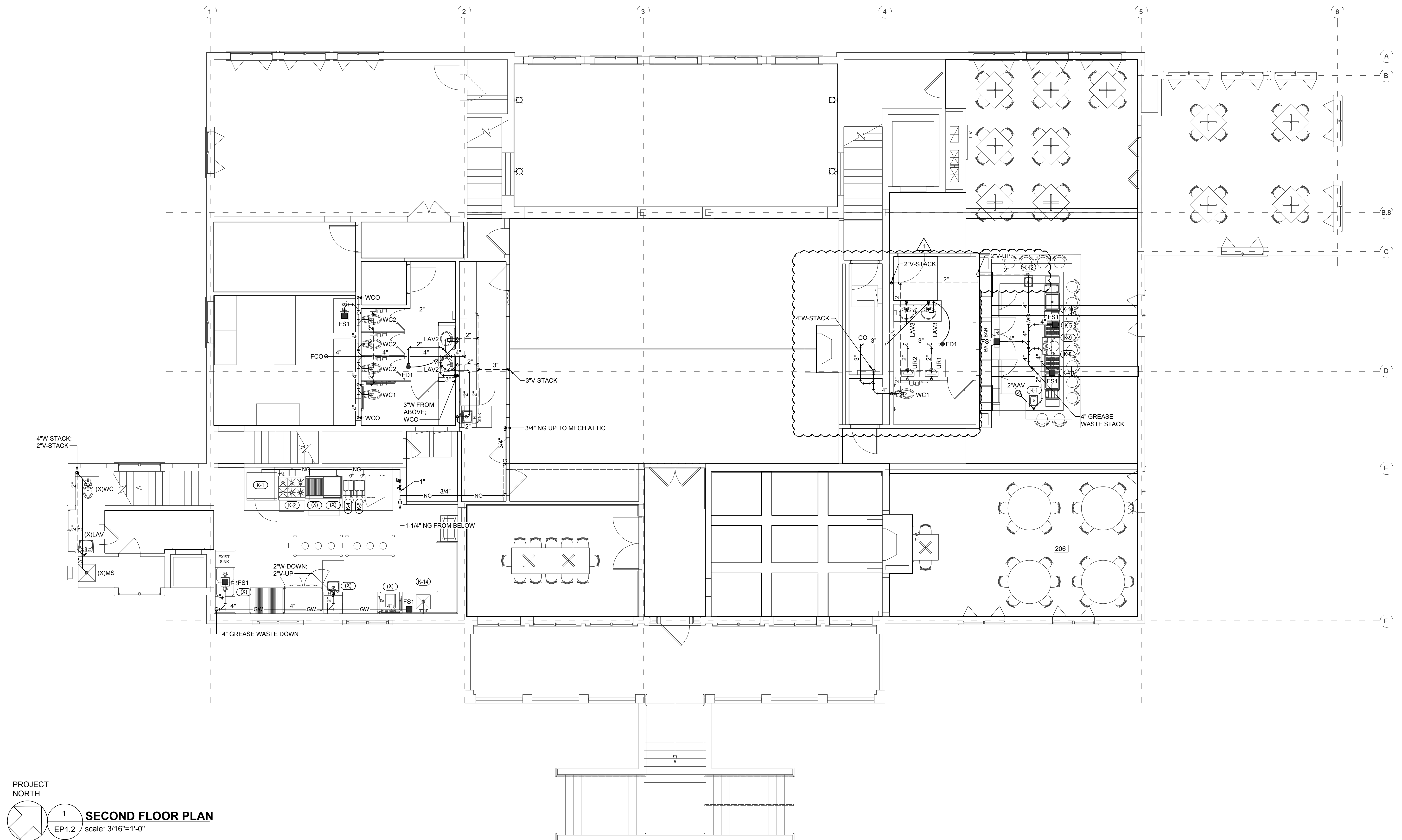
08-05-20	REVISED SECOND FLOOR TOILET
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DATE	ISSUE NOTE
Project Manager	Drawn By JBS
07.29.2020	Reviewed By DMH
Project ID	

# SECOND FLOOR WASTE-VENT AND GAS PIPING PLAN

et No.

## P1.2





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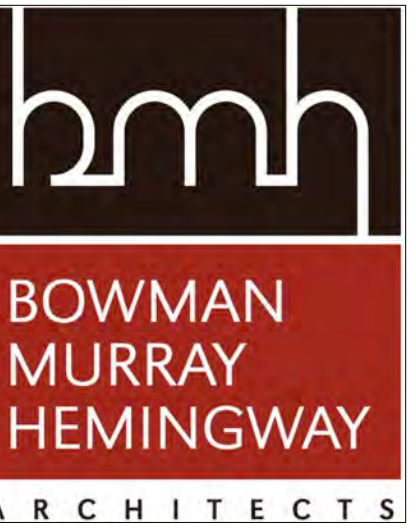
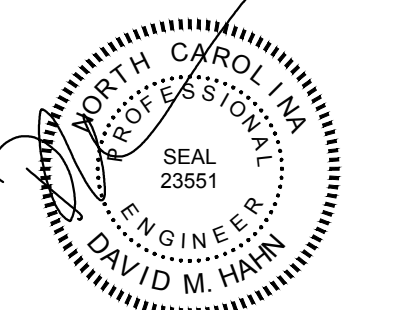
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## KEYED NOTES THIS SHEET

1 PROVIDE CEILING ACCESS TO SHUT OFF VALVES, CIRCUIT SETTERS, HAMMER ARRESTORS, ETC.

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REV. DATE DESCRIPTION

08-05-20 REVISED SECOND FLOOR TOILET

NO. DATE ISSUE NOTE

Project Manager Drawn By

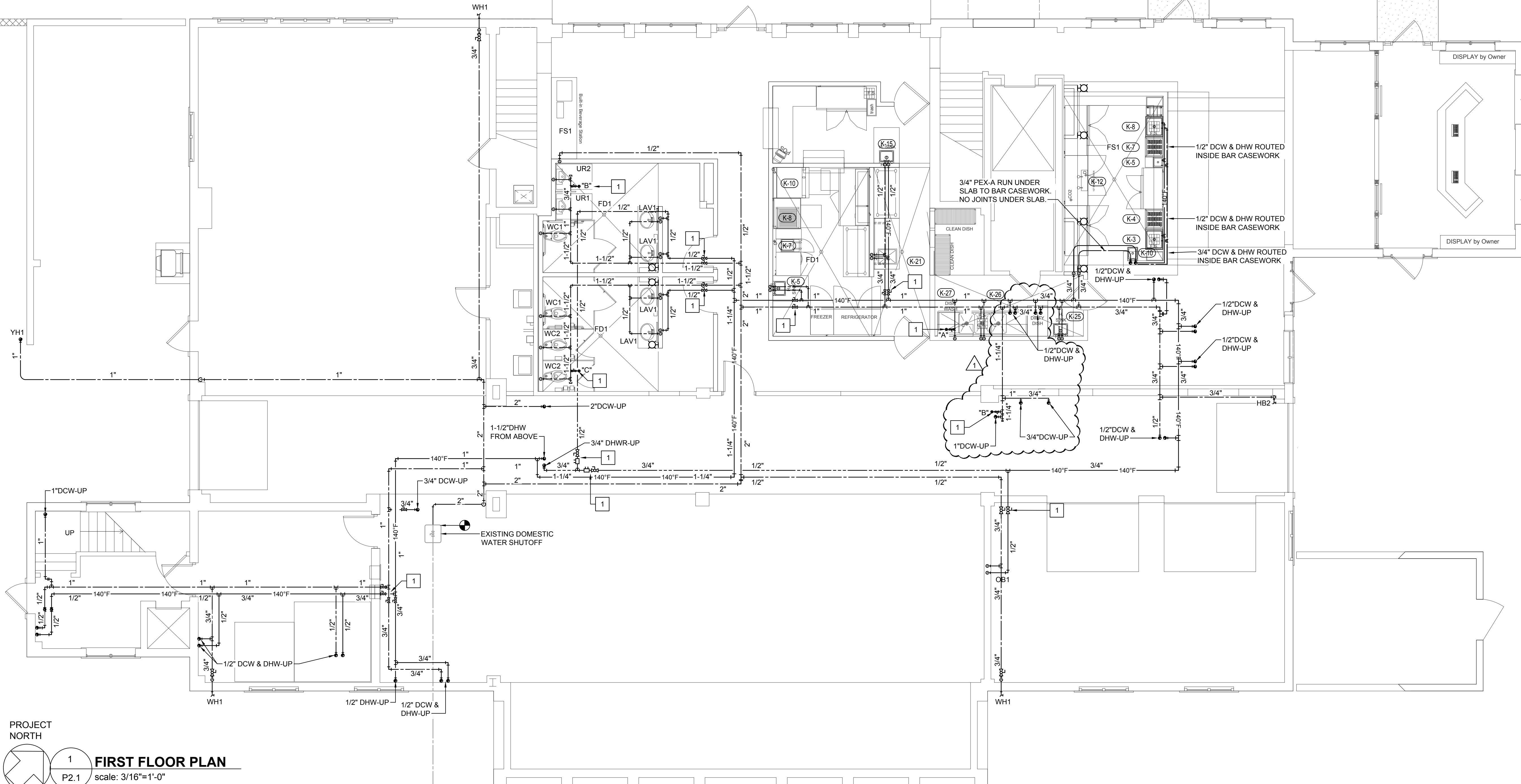
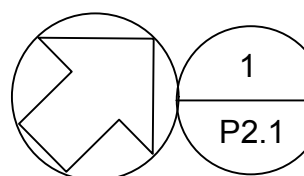
Date 07.29.2020 Reviewed By

Project ID DMH

Sheet Title  
FIRST FLOOR  
DOMESTIC WATER  
PLAN

Sheet No.

P2.1

PROJECT  
NORTH**FIRST FLOOR PLAN**  
scale: 3/16"=1'-0"

REV.	DATE	DESCRIPTION
1	08-05-20	REVISED SECOND FLOOR TOILET
NO.	DATE	ISSUE NOTE
Project Manager		Drawn By JBS
Date	07.29.2020	Reviewed By DMH
Project ID		
Sheet Title		
SECOND FLOOR DOMESTIC WATER PLAN		
Sheet No.		

