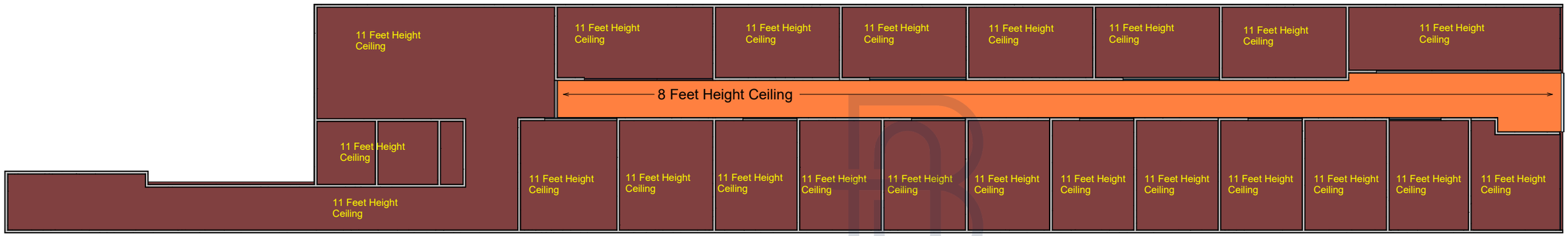
OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

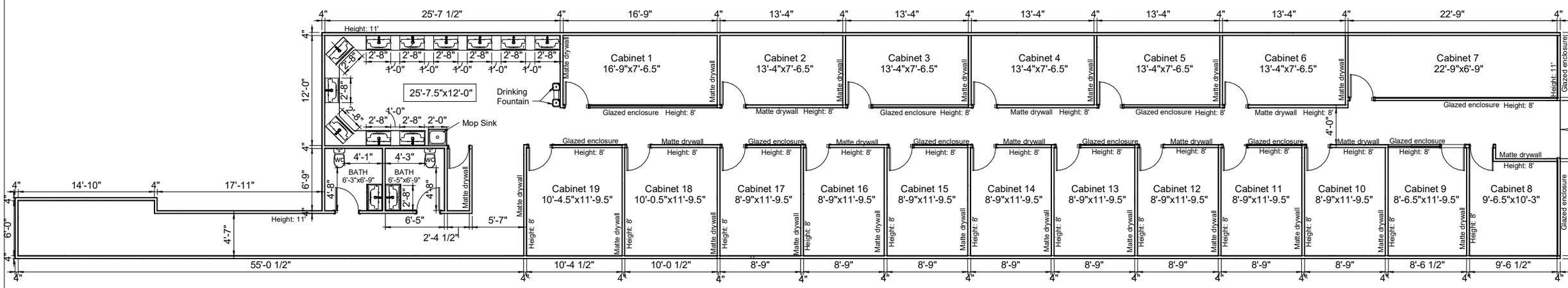
	NOTE **Codes Used in the project**
1.	FBC 107.2.1 Florida Building or Residential Code.
2.	FBC 107.2.1, 107.3.5 & 604.3.1
3.	FBC CH 3.
4.	FBC Ch 8 & 10.
5.	It's recommended to maintain a minimum clearance of 48 inches (122 cm) in front of the toilet bowl for people who use walkers or canes.

OCCUPANT LOAD
113 PEOPLE
1 PERSON = 30 SQFT



EXISTING CEILING PLAN
SCALE1'-0"=1/4"

BID ACCURATE



GROUND FLOOR PLAN
SCALE1'-0"=1/4"

OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

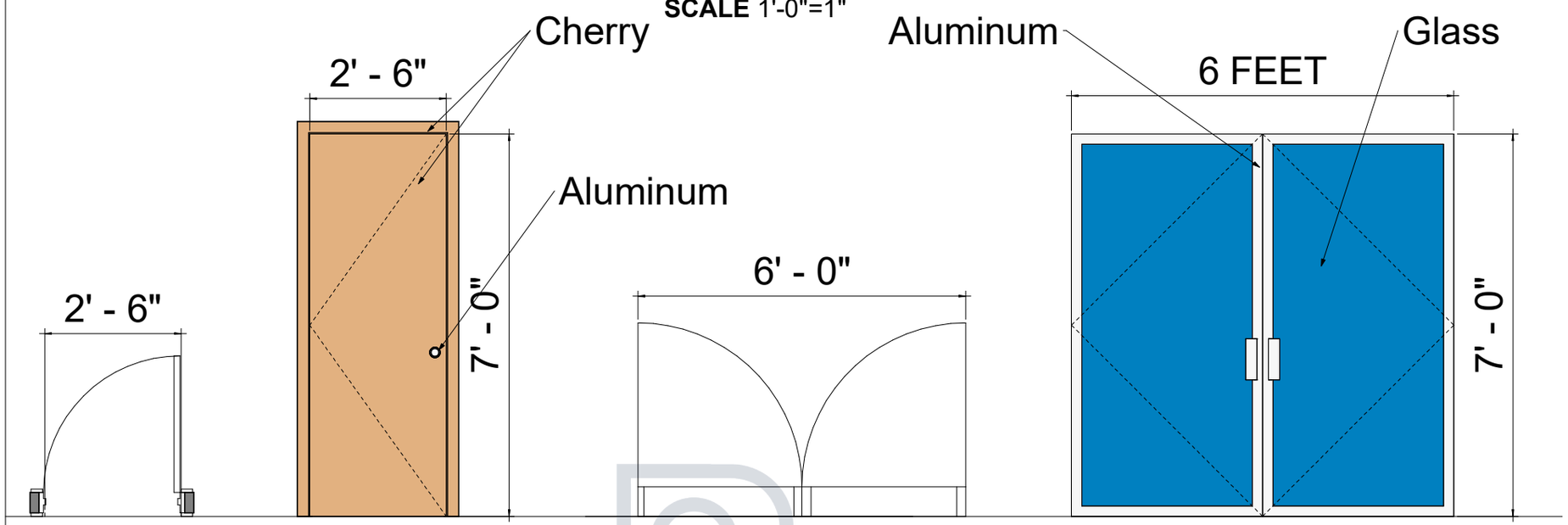
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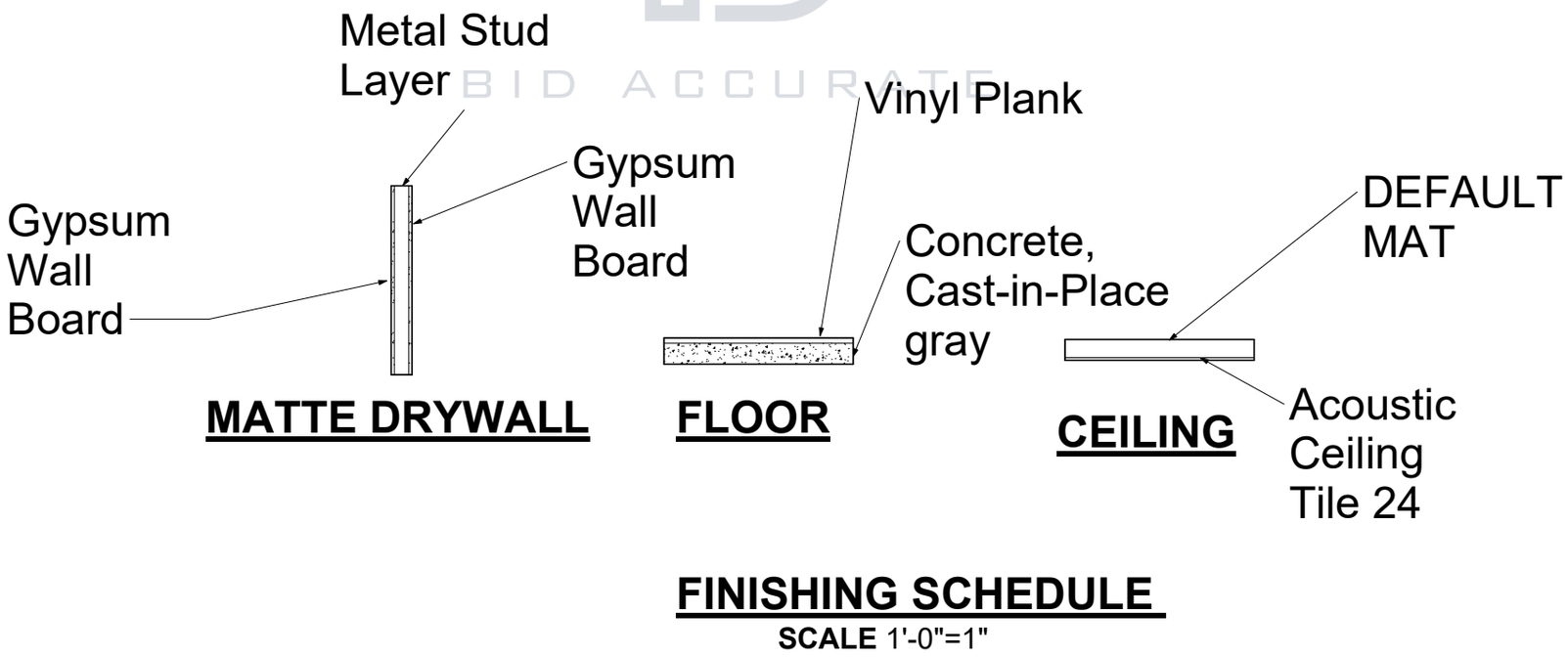
OCCUPANT LOAD
113 PEOPLE
1 PERSON = 30 SQFT

DOOR SCHEDULE

SCALE 1'-0"=1"



BID ACCURATE



FINISHING SCHEDULE

SCALE 1'-0"=1"

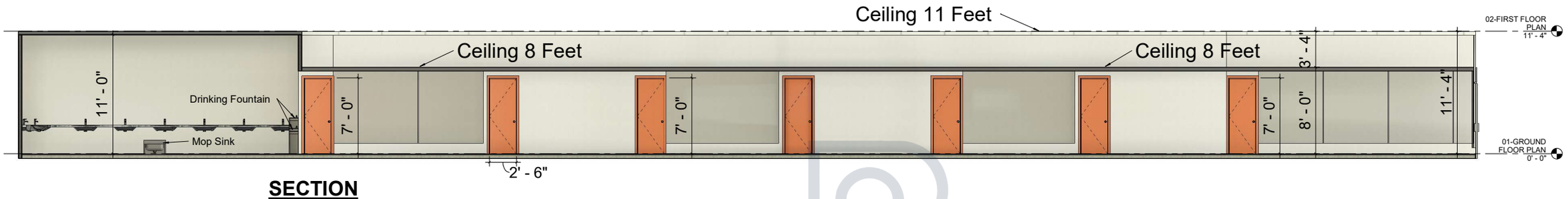
OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

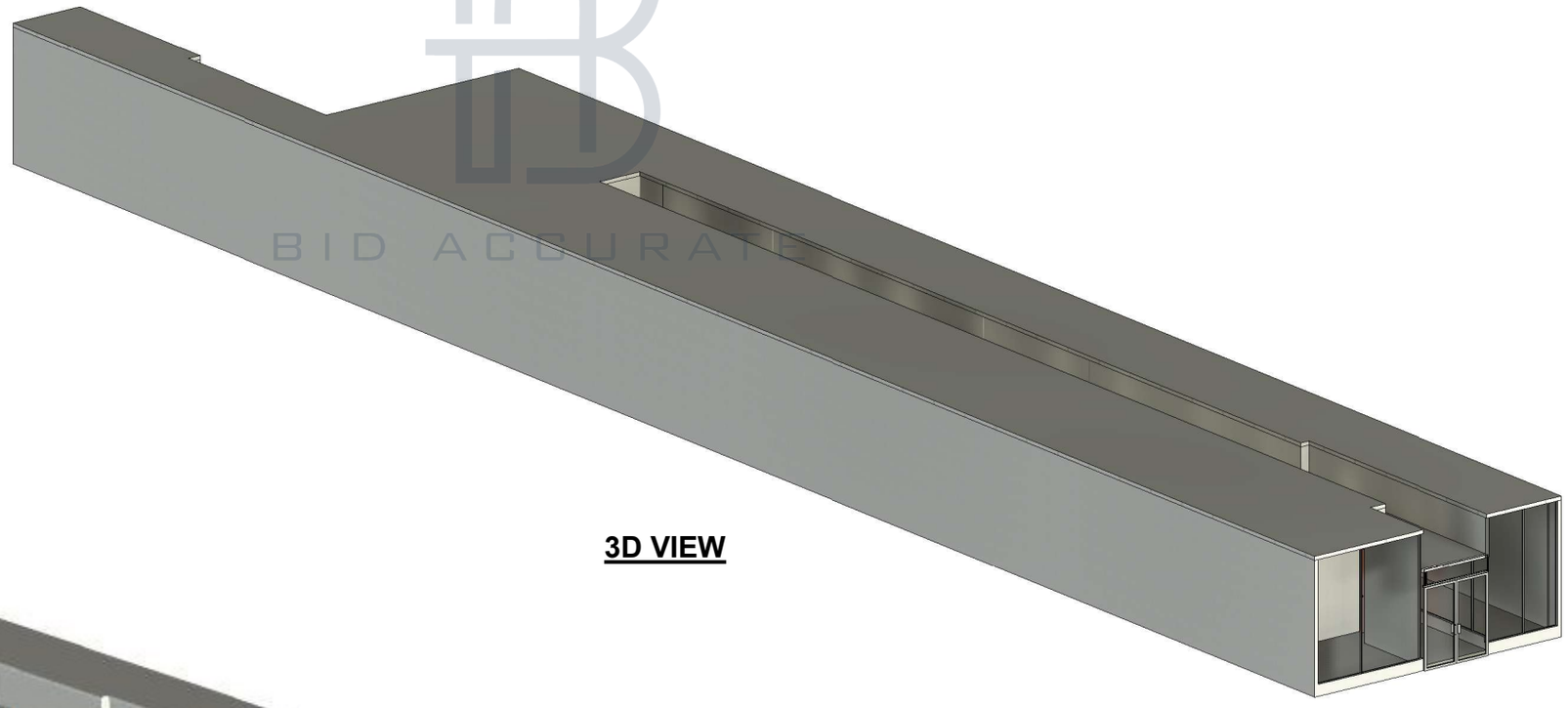
CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

	NOTE
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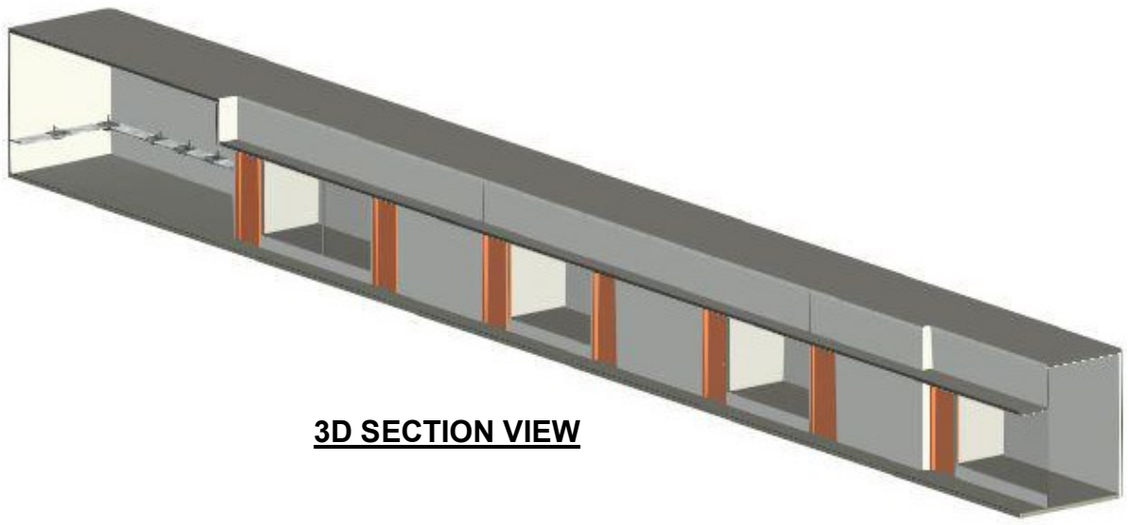
OCCUPANT LOAD
113 PEOPLE
1 PERSON = 30 SQFT



SECTION
SCALE 1'-0"=1/4"

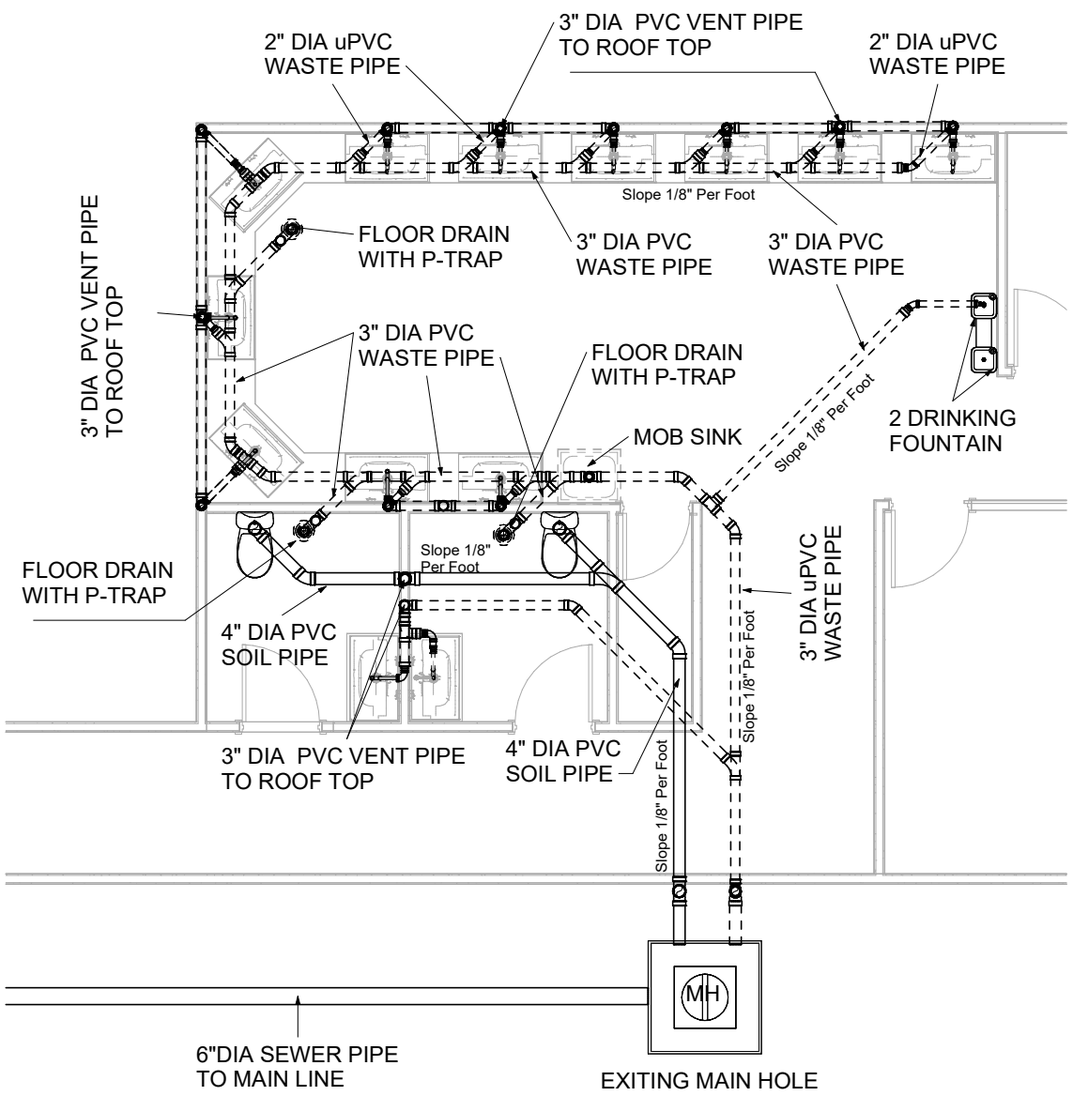


3D VIEW



3D SECTION VIEW

BID ACCURATE



SEWERAGE GROUND FLOOR PLAN

OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

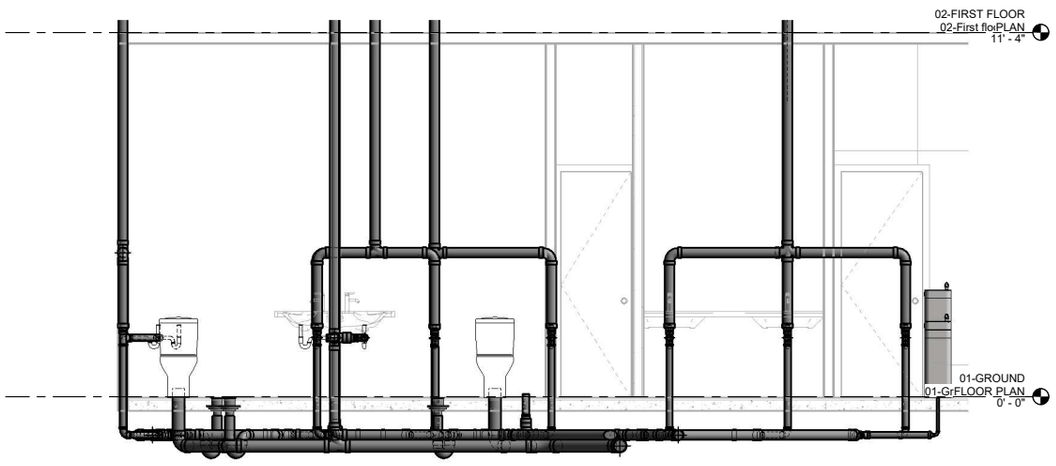
PLUMBING LEGEND		
1	FLOOR TRAP	
2	BASIN P-TRAP	
3	INSPECTION CHAMBERS	
4	MAIN HOLE	
5	HAND WASH BASIN	
6	4" DIA PVC SOIL PIPE	
7	3" DIA PVC WASTE PIPE	
8	WATER CLOSET	
9	DRINKING FOUNTAIN	
10	MOB SINK	

	NOTE CODES USED IN THE PROJECT
1	(FBC Building [A]107.2.1 Information on construction documents
2	FBC Accessibility code sections 604.3.1 Size.
3	FBC-Plumbing 107.3.5, 604.2&706.3
4	FBC Accessibility 604.1 General.FBC Accessibility 606.1 General.
5	FBC Plumbing 901.2.1 Venting required.
6	FBC Plumbing 706.1 Connections and changes in direction
	ALL SEWERGE PIPES ARE UNDER THE FLOOR AS PER FBC-PLUMBING CODES.
	ALL SEWERGE PIPES CONNECTION AS PER FBC-PLUMBING CODES.(45 DEGREE& 90 DEGREE)

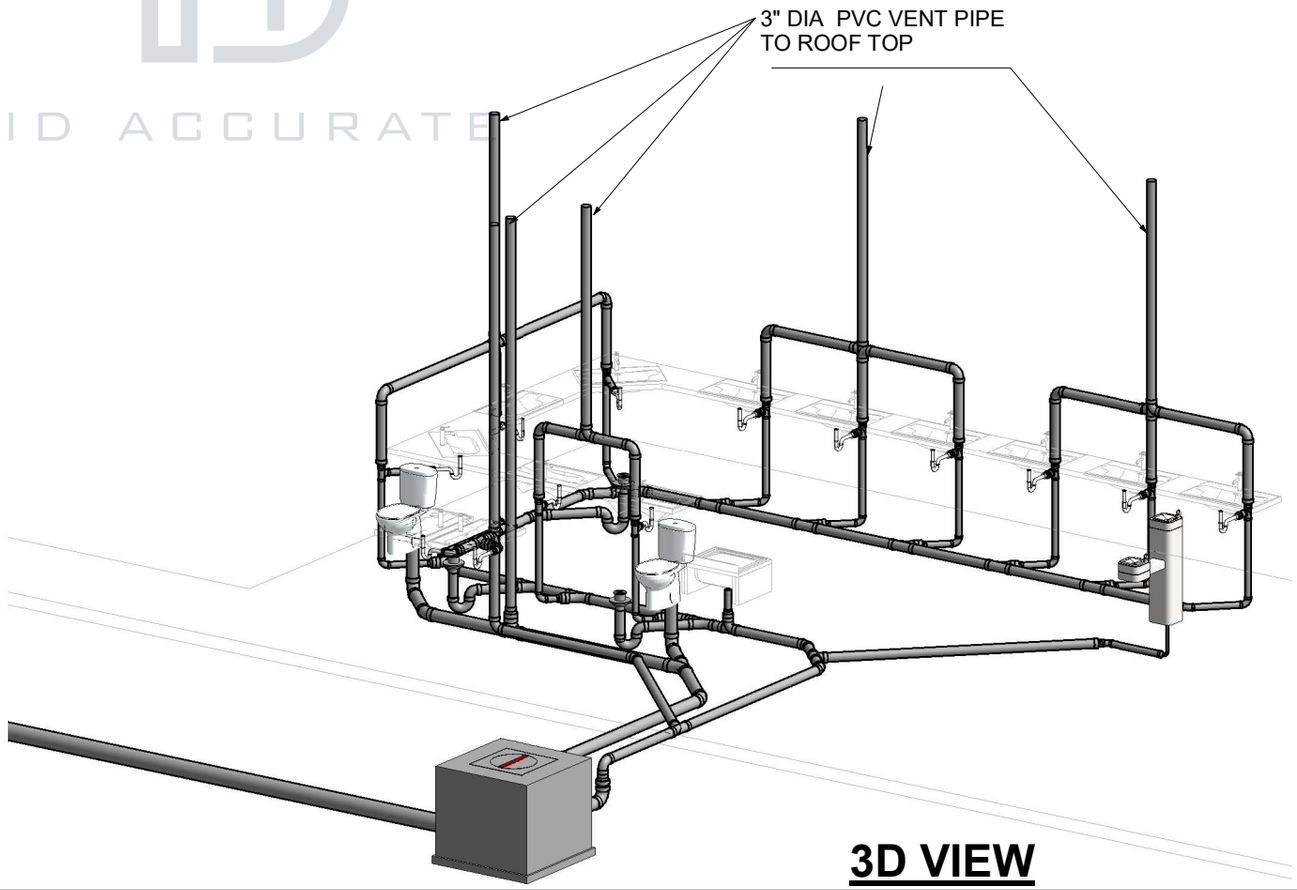
OCCUPANT LOAD

113 PEOPLE

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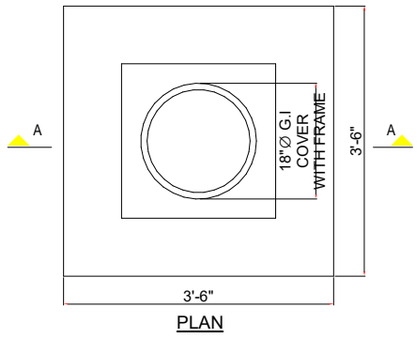


SECTION



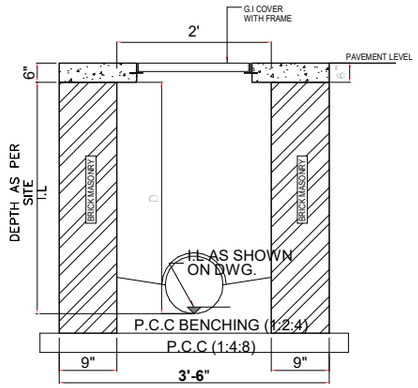
3D VIEW

BID ACCURATE



PLAN

TYPICAL SEWER MANHOLE



SECTION A-A

PLUMBING LEGEND		
1	FLOOR TRAP	
2	BASIN P-TRAP	
3	INSPECTION CHAMBERS	
4	MAIN HOLE	
5	HAND WASH BASIN	
6	4" DIA PVC SOIL PIPE	
7	3" DIA PVC WASTE PIPE	
8	WATER CLOSET	
9	DRINKING FOUNTAIN	
10	MOB SINK	

OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

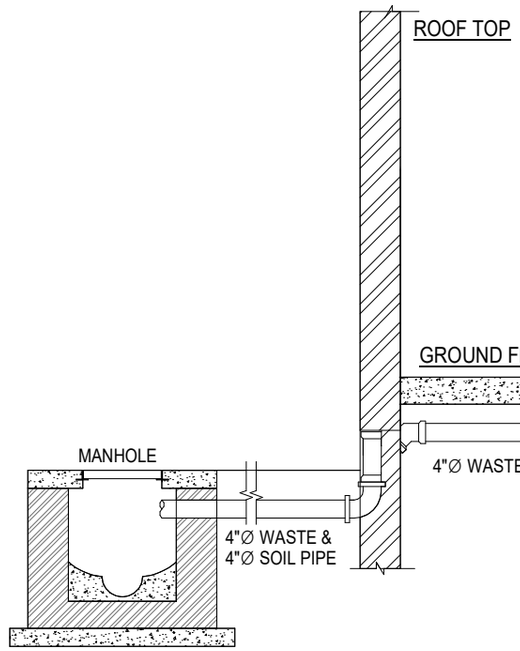
CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

OCCUPANT LOAD

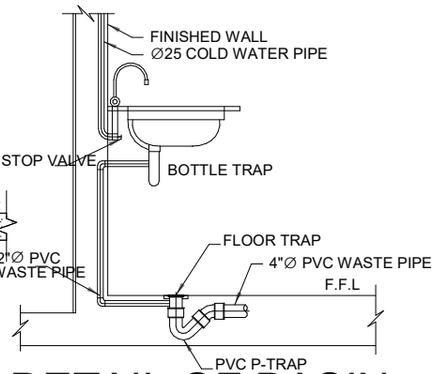
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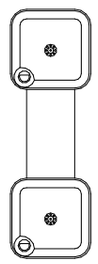


VENT PIPE DETAIL

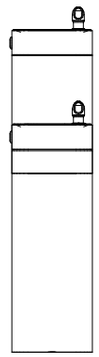


DETAIL OF BASIN CONNECTION WITH FLOOR TRAP

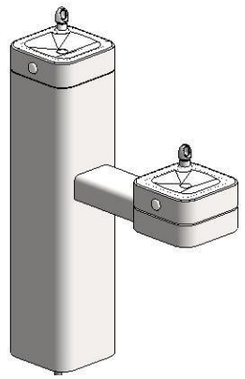
BID ACCURATE



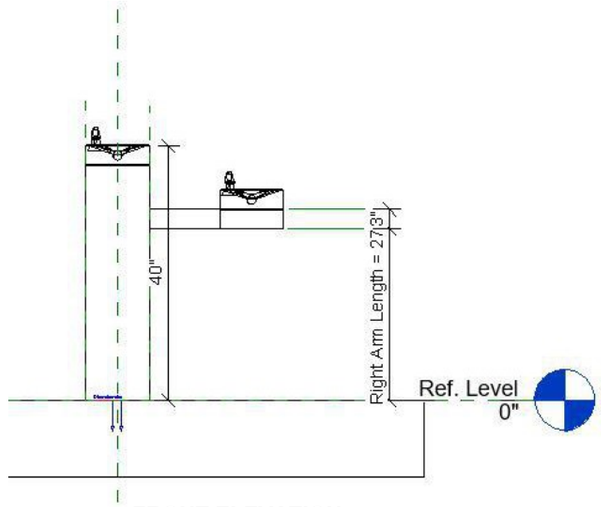
TOP PLAN



SIDE ELEVATION



3D VIEW



FRONT ELEVATION

DRINKING FOUNTAIN DETAIL

PLUMBING FIXTURE AND CONNECTION SCHEDULE

PNO	FIXTURE DESCRIPTION	MOUNTING HEIGHT	MIN. CONNECTIONS			SPECIFICATION						NOTES
			WASTE	CW	HW	MANUFACTURER	FIXTURE	TRIM	WASTE	MCGUIRE TRAP	SUPPLY	
P1	ADA WATER CLOSET FLOOR MOUNTED FLUSH TANK 1.1 GAL/FLUSH	FLOOR TO RIM 16-1/2"	4"	1/2"	---	AMERICAN STANDARD	2467.100	---	---	---	MCGUIRE 2169	SEAT - OLSONITE 95 OR EQUIVALENT BY BENEKE OR BEMIS PROVIDE FLUSH HANDLE ON LAV SIDE OF TANK AND ANGLE STOP
						ZURN	EQUIVALENT	---	---	---	EQUIVALENT	
						KOHLER	EQUIVALENT	---	---	---	EQUIVALENT	
P2	LAVATORY WALL HUNG 21"X18" 4" CENTER HOLES	FLOOR TO BOTTOM OF APRON MIN. 29"	1 1/4"	1/2"	---	AMERICAN STANDARD	0355.012	---	2411015.002	MCGUIRE 8872C	MCGUIRE LFST07	PROVIDE FLOOR MOUNTED CARRIER BY JOSAM, WADE, OR ZURN PROVIDE PRE-MOLDED PRE-INSULATED COVER FOR TRAP & SUPPLIES PROVIDE DRAIN OFFSET TO PROVIDE HANDICAP CLEARANCE PROVIDE P-TRAP AND ANGLE STOPS
						ZURN	EQUIVALENT	---	EQUIVALENT	EQUIVALENT	EQUIVALENT	
						KOHLER	EQUIVALENT	---	EQUIVALENT	EQUIVALENT	EQUIVALENT	
						CHICAGO FAUCET	---	2200-4	---	---	---	
						DELTA FAUCET	---	EQUIVALENT	---	---	---	
P3	THERMOSTATIC MIXING VALVE	---	---	3/8"	3/8"	WATTS	LFUSG-B-M2	---	---	---	---	PROVIDE THERMOMETER IN DISCHARGE PIPE. 3/8"CW/HW INLET 3/8"TW OUTLET SHALL BE ASSE-1070 COMPLAINT
						LEONARD	EQUIVALENT					
						SYMMONS	EQUIVALENT					
P4	MOP SINK FLOOR MOUNTED 24"X24"X12"	FLOOR MOUNTED	3"	1/2"	1/2"	STERN-WILLIAMS	SB-800	---				MOUNT TRIM 3'-0" ABOVE FINISHED FLOOR AND PROVIDE 4'-0" HOSE AND HOSE HOOK
						FIAT	TSB-200	---	---	---	---	
						DELTA FAUCET	---	28C2383	---	---	---	
						SYMMONS FAUCET		EQUIVALENT	---	---	---	
P5	GAS WATER HEATER	FLOOR MOUNTED	---	1-1/2"	1-1/2"	A.O.SMITH	BTH-150	---	---	---	---	PROVIDE WITH 150 MBH, 120V, 1.48 AMP, 1" GAS CONNECTION. LEAVING WATER TEMPERATURE 140 DEGREE. 100 GALLON NON-ASME. DIRECT VENT 98% EFFICIENCY, 33" DIAMETER, ZERO CLEARANCE 3" VENT WITH LED FUNCTION DISPLAY
						LOCHINVAR	EQUIVALENT	---	---	---	---	
						RHEEM	EQUIVALENT	---	---	---	---	
P6	GREASE INTERCEPTORS	SEE PLAN	4"	1-1/4"	---	SCHIER	GB-250	---	---	---	---	INTERCEPTORS 200 GPM, SEE CALCULATION ON SHEET THIS SHEET. PROVIDE MAN HOLE EXTENSIONS AS NEEDED WITH TRAFFIC RATED CAST IRON TOPS.
						MI-FAB	EQUIVALENT	---	---	---	---	
						GREASEZILLA	EQUIVALENT	---	---	---	---	

GREASE INTERCEPTOR SIZING
STEP 1: FLOW RATE
FLORIDA BUILDING CODE SECTION 1003.3.4
GREASE INTERCEPTORS AND AUTOMATIC GREASE REMOVAL DEVICES SHALL BE SIZED IN ACCORDANCE WITH PDI G101, ASME A112.14.3.

STEP 2: GREASE PRODUCTION
1. ENTER APPROXIMATE NUMBER OF MEALS SERVED DAILY
2. ENTER NUMBER OF DAYS BETWEEN PUMP OUT CYCLE (CYCLE IS 30 DAYS)
3. SELECT GREAT BASIN UNIT THAT MOST CLOSELY MATCHES FLOW RATE AND GREASE STORAGE LBS.

PDI G101 SECTION 8.3.1, SIZING METHOD BASED ON PIPE DIAMETER AND SLOPE.	
PIPE SIZE	FULL PIPE FLOW INTERCEPTOR SIZE FULL FLOW RATE
2"	19.44 GPM
3"	58.67 GPM
4"	125.77 GPM
6"	375 GPM

ENTER # MEALS/DAY	RESTAURANT TYPE	GREASE PER MEAL SEE SIZEING GUIDELINES AT LINK BELOW	DAYS BETWEEN PUMP OUT	GREASE STORAGE NEEDED
	RESTAURANTS WASHING DISHES AND FLATWARE			
	LOW GREASE WITH FLATWARE	0.0065		0
0	MEDIUM GREASE WITH FLATWARE	0.0325	0	0
364	HIGH GREASE WITH FLATWARE	0.0455	60	993.73
	RESTAURANTS USING DISPOSAL PLATES AND FLATWARE			
	LOW GREASE WITH NO FLATWARE	0.005		0
0	MEDIUM GREASE WITH NO FLATWARE	0.025	0	0
0	HIGH GREASE WITH NO FLATWARE	0.035	0	0
	TOTAL GREASE STORAGE NEEDED IN POUNDS			993.73
	RECOMMENDED GREAT BASIN UNIT			(1) GB-250

(1) GB-250 GREASE INTERCEPTOR IS CERTIFIED TO THE ASME 112.14.3 AT 200 GPM TO HOLD 1,196 LBS OF GREASE

MULTIPLE UNITS SHOULD BE INSTALLED IN SERIES AND COME STANDARD WITH TRAFFIC RATED MANHOLE COVERS.

GB INSTALLATION: http://www.schierproducts.com/GI/gb redesign/inst/gb series installation o&m.pdf

GREASE PRODUCTION SIZING METHOD: http://schierproducts.com/sizing/GB Sizing.pdf

DRAIN AND CLEANOUT SCHEDULE

MARK	OUTLET SIZE	STRAINER SIZE	MANUFACTURER'S NUMBERS			NOTES
			JOSAM	WADE	ZURN	
FD1	3"	6" ROUND	A-6A-2-VP	EQUIVALENT	EQUIVALENT	SATIN FINISH BRONZE TOP PROVIDE W/PRECISION PLUMBING "OREGON #1" TRAP PRIMER.
FS1	4"	12"X12"	49360-VP	EQUIVALENT	EQUIVALENT	PROVIDE WITH HALF GRATE. PROVIDE SEDIMENT BUCKET
ECO	SEE PLANS	---	58680/ 58490-20	EQUIVALENT	EQUIVALENT	MOUNT IN 12"X12"X4" CONC. PAD IF LOCATED IN UNPAVED AREA
FCO	SEE PLANS	---	58363	EQUIVALENT	EQUIVALENT	
WCO	SEE PLANS	---	58912	EQUIVALENT	EQUIVALENT	STAINLESS STEEL WALL ACCESS COVER
TP	PRECISION PLUMBING "OREGON #1" TRAP PRIMER WITH 1/2" CW ROUTED BELOW SLAB TO FLOOR DRAIN/SINK.					
HD	HUB DRAIN. PROVIDE 2" PTRAP, AND TRAP PRIMER IF NOT SERVING AN ICE MAKER. INSULATE FIRST FIVE FEET AFTER AND INCLUDING PTRAP WHEN RECEIVING ICE MAKER DRAINS IN MULTI STORY BUILDINGS.					

BID ACCURATE

FOODSERVICE PLUMBING SCHEDULE

PLUMBING TAG	C.W. SIZE	C.W. AFF (in)	H.W. SIZE	H.W. AFF (in)	FILTERED WATER	INDIRECT WASTE SIZE (IN)	INDIRECT WASTE #	DIRECT WASTE	DIRECT WASTE AFF (in)	GAS	MBTUH	GAS AFF (in)	EQUIPMENT CATEGORY	PLUMBING REMARKS
P2	-	-	-	-	-	-	-	-	-	3/4"	150.0	30	GRIDDLE, GAS, COUNTERTOP	BTC THRU GAS HOSE
P4	1/2"	12"	1/2"	12"	-	-	-	-	-	-	-	-	KETTLE, ELECTRIC COUNTERTOP	BTC
P6	-	-	-	-	-	-	-	-	-	3/4"	102.0	30"	GAS FLOOR FRYER	BTC THRU GAS HOSE
P10	-	-	-	-	-	-	-	-	-	3/4"	128.0	30"	HOTPLATE, COUNTERTOP, GAS	BTC THRU GAS HOSE
P11	1/2"	12"/18"	-	-	-	-	-	-	-	-	-	-	CONVECTION OVEN, ELECTRIC	BTC - 2 CONNECTIONS @ 0.75
P17	-	-	-	-	1/2"	3/4"	FS-2	-	-	-	-	-	ICE MAKER	FILTERED WATER FROM # 17.2 / RUN TO FLOOR DRAIN
P17.1	-	-	-	-	-	3/4"	FS-2	-	-	-	-	-	ICE BIN	RUN TO FLOOR DRAIN
P17.2	1/2"	84"	-	-	-	-	-	-	-	-	-	-	WATER FILTER	BTC
P19	-	-	-	-	-	-	-	-	-	3/4"	70.0	30"	CHARBROILER, GAS, COUNTERTOP	BTC THRU GAS HOSE
P23	-	-	1/2"	60"	-	2"	FS-3	-	-	-	-	-	DISHWASHER, SINGLE DOOR	BTC / RUN TO FLOOR DRAIN
P31	1/2"	16"	1/2"	16"	-	2-1/2"	FS-4	-	-	-	-	-	3 COMP. SINK + FAUCET	BTC / RUN TO FLOOR DRAIN
P32	1/2"	12"	1/2"	12"		2-1/2"	FS-1						UNDERBAR SINK	BTC / RUN TO FLOOR DRAIN
P33	-	-	-	-	-	2"	FS-3	-	-	-	-	-	SOILED DISHTABLE	RUN TO FLOOR DRAIN
P34	1/2"	16"	1/2"	16"	-	-	-	-	-	-	-	-	PRE-RINSE FAUCET	BTC
P36	1/2"	16"	1/2"	16"	-	-	-	1-1/2"	18"	-	-	-	HAND SINK	BTC / RUN TO DIRECT DRAIN
P37	1/2"	16"	1/2"	16"	-	1-1/2"	FFD-1	-	-	-	-	-	DROP-IN SINK	BTC / RUN TO FLOOR DRAIN
P38	1/2"	36"	1/2"	36"	-	-	-	3-1/2"	0"	-	-	-	MOP SINK	BTC
P40	1/2"	18"	-	-	-	1"	FS-1	-	-	-	-	-	GLASS FILLER STATION	BTC / RUN TO FLOOR DRAIN
P41	-	-	-	-	-	1"	FFD-1	-	-	-	-	-	DROP-IN ICE BIN	RUN TO FLOOR DRAIN
P46	1/2"	18"	-	-	-	1/2"	FFD-1	-	-	-	-	-	GLASS RINSER	BTC / RUN TO FLOOR DRAIN
P48	1/2"	48"	-	-	-	-	-	-	-	-	-	-	COFFEE BREWER	BTC @ 3/8"
P50	1/2"	48"	-	-	-	-	-	-	-	-	-	-	ICED TEA BREWER	BTC @ 1/4"
P61	1/2"	16"	-	-	-	-	-	-	-	-	-	-	ESPRESSO MACHINE	BTC @ 1/4"
P70.1	-	-	-	-	-	1"	FFD-2	-	-	-	-	-	WALK-IN COOLER EVAPORATOR	RUN TO FLOOR DRAIN
P70.3	-	-	-	-	-	1"	FFD-2	-	-	-	-	-	WALK-IN FREEZER EVAPORATOR	RUN TO FLOOR DRAIN
P73	1/2"	16"	1/2"	16"	-	2-1/2"	FS-5	-	-	-	-	-	ONE COMP. SINK	BTC / RUN TO FLOOR DRAIN
PCH	1/2"	48"	-	-	-	-	-	-	-	-	-	-	WATER FOR CLEANING CHEMICALS	BTC @ 3 COMP. SINK

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE PLUMBING 7TH EDITION AND APPLICABLE CODES. TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION AND CHAPTER 633, FLORIDA STATUTES. FBC 110.8.4.4 2020. ALL DRAWINGS AND SPECIFICATIONS COMPLY WITH MINIMUM EXISTING CODES.
2. CONTRACTOR SHALL PROVIDE ALL WORK CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED FOR ON THE PLANS. ALL WORK SHALL BE IN ACCORDANCE WITH BASE BUILDING PLANS AND SPECIFICATIONS.
3. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND EXISTING CONDITIONS. THE INTENT OF THESE NOTES AND MECHANICAL NOTES ON DRAWINGS IS TO CLARIFY THE SCOPE OF WORK AND ALERT CONTRACTOR OF EXISTING CONDITIONS.
4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION SCHEDULES. FIXED WORK SUCH AS PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUITS AND SMALL WATER LINES, ETC.
5. CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS BEFORE INSTALLATION TO AVOID ANY BEAM CONFLICTS AND COORDINATE PIPING ACCORDINGLY.
6. ROUTE ALL PIPING CONCEALED ABOVE CEILING, WITHIN WALLS OR IN CHASES EXCEPT AS SPECIFICALLY NOTED. PATCH ALL EXISTING SURFACES AFFECTED TO MATCH ADJACENT SURFACES.
7. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
8. SLEEVE AND FIRE STOP ALL PENETRATIONS OF RATED WALLS, CEILINGS, ETC., INCLUDING ROOF. FLASH AND COUNTERFLASH ROOF PENETRATIONS.
9. FIELD VERIFY EXISTING INSTALLATIONS OF ALL TRADES. MODIFY EXISTING PLUMBING SYSTEMS, WHICH ARE TO REMAIN ACTIVE, TO FACILITATE RECONNECTION AND EXTENSION UNDER THE NEW WORK.
10. UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS OLD AND NEW SURVEYS, AS-BUILT RECORDS, AND FIELD INVESTIGATION. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON DRAWINGS.
11. PIPE ROUTING IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING OR ANY ADDITIONAL OFFSETS OR FITTINGS REQUIRED FOR PROPER INSTALLATION AND CLEARANCES. CONTRACTOR TO VERIFY STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND OBSTRUCTIONS OF ALL TRADES AND ROUTE PIPING TO AVOID ANY INTERFERENCES.
12. DOMESTIC WATER PIPING SHALL BE "L" COPPER ABOVE SLAB AND TYPE "K" BELOW SLAB.
13. ALL SANITARY AND VENT PIPING SHALL BE SCHEDULE 40 PVC.
14. WATER HAMMER ARRESTORS SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED.
15. HOT WATER PIPING PIPE INSULATION: SHALL BE 1" THICK FIBERGLASS (K-0.23 AT 75 DEGREES F.) WITH FACTORY APPLIED WHITE, FLAME RESISTANT, VAPOR BARRIER JACKET TYPE ASJ, AS MANUFACTURED BY OWENS-CORNING, GUSTIN-BACON, OR PPG. INSULATE ALL HOT WATER PIPING, HWRC PIPING, HORIZONTAL STORM PIPING AND BOTTOM OF ROOF DRAIN BOWLS AND SHALL BE INSULATED PER 2020 FLORIDA BUILDING CODE ENERGY CONSERVATION SECTION C-404.4 AND TABLE C403.2.10.

OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

	NOTE CODES USED IN THE PROJECT
1	(FBC Building [A]107.2.1 Information on construction documents
2	FBC Accessibility code sections 604.3.1 Size.
3	FBC-Plumbing 107.3.5
4	FBC Accessibility 604.1 General.FBC Accessibility 606.1 General.

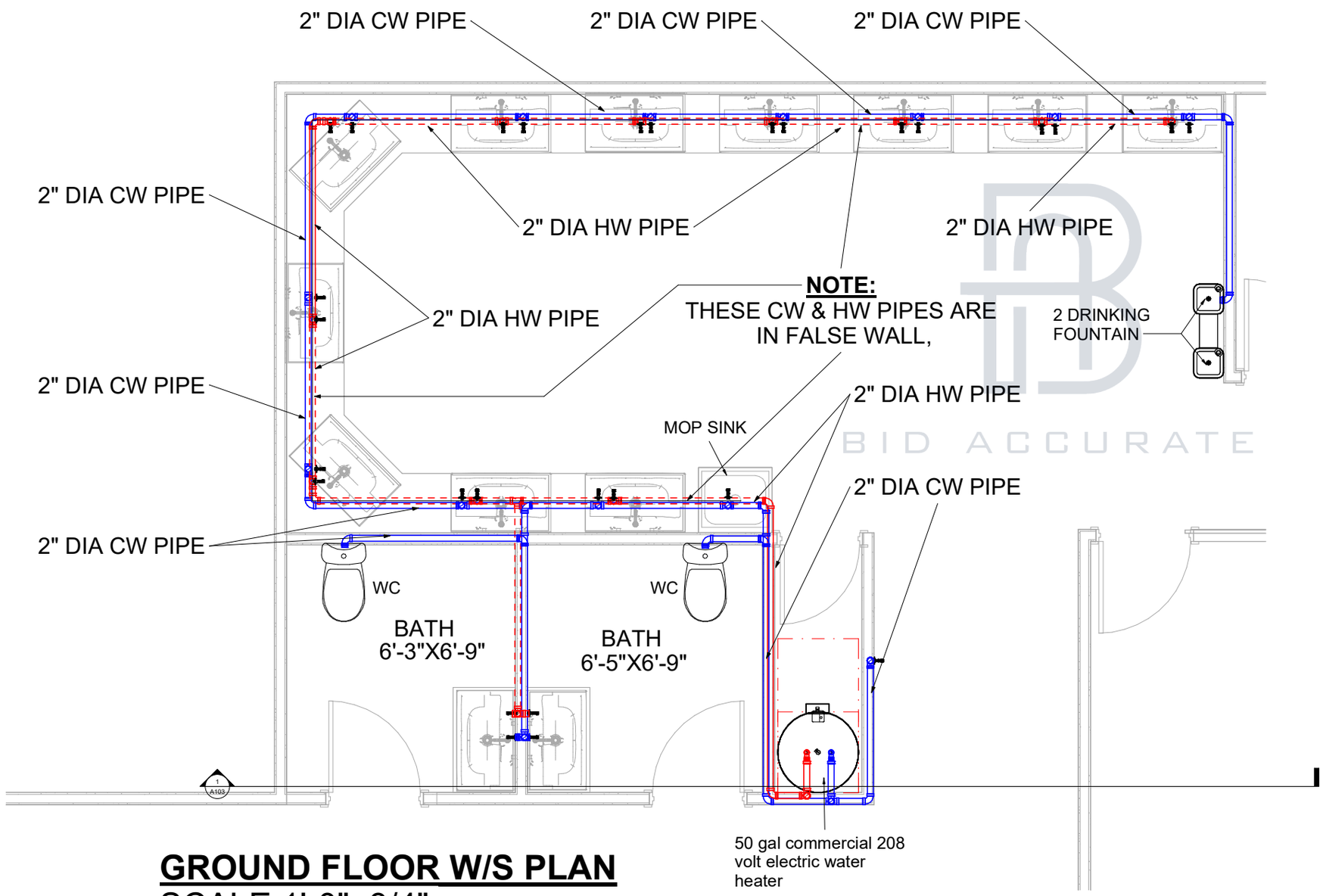
OCCUPANT LOAD

113 PEOPLE

1 PERSON = 30 SQFT

PLUMBING LEGEND

1	ELECTRIC WATER HEATER	
2	STOP VALVE	
3	HAND WASH BASIN	
4	COLD WATER PIPE	
5	HOT WATER PIPE	
6	WATER CLOSET	



BID ACCURATE

GROUND FLOOR W/S PLAN

SCALE 1'-0"=3/4"

OCCUPANCY CLASSIFATION A-3
BEAUTY SALON
CONSTRUCTION TYPE

CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

NOTE
(FBC Building [A] 107.2.1 Information on construction documents

CODES USED IN THE PROJECT

1. FBC Accessibility code sections 604.3.1 Size.
2. FBC-Plumbing 107.3.5
3. FBC Accessibility 604.1 General.FBC Accessibility 606.1 General.
4.

OCCUPANT LOAD

113 PEOPLE

1 PERSON = 30 SQFT

PLUMBING FIXTURE AND CONNECTION SCHEDULE

PNO	FIXTURE DESCRIPTION	MOUNTING HEIGHT	MIN. CONNECTIONS			SPECIFICATION						NOTES
			WASTE	CW	HW	MANUFACTURER	FIXTURE	TRIM	WASTE	MCGUIRE TRAP	SUPPLY	
P1	ADA WATER CLOSET FLOOR MOUNTED FLUSH TANK 1.1 GAL/FLUSH	FLOOR TO RIM 16-1/2"	4"	1/2"	---	AMERICAN STANDARD	2467.100	---	---	---	MCGUIRE 2169	SEAT - OLSONITE 95 OR EQUIVALENT BY BENEKE OR BEMIS PROVIDE FLUSH HANDLE ON LAV SIDE OF TANK AND ANGLE STOP
						ZURN	EQUIVALENT	---	---	---	EQUIVALENT	
						KOHLER	EQUIVALENT	---	---	---	EQUIVALENT	
P2	LAVATORY WALL HUNG 21"X18" 4" CENTER HOLES	FLOOR TO BOTTOM OF APRON MIN. 29"	1 1/4"	1/2"	---	AMERICAN STANDARD	0355.012	---	2411015.002	MCGUIRE 8872C	MCGUIRE LFST07	PROVIDE FLOOR MOUNTED CARRIER BY JOSAM, WADE, OR ZURN PROVIDE PRE-MOLDED PRE-INSULATED COVER FOR TRAP & SUPPLIES PROVIDE DRAIN OFFSET TO PROVIDE HANDICAP CLEARANCE PROVIDE P-TRAP AND ANGLE STOPS
						ZURN	EQUIVALENT	---	EQUIVALENT	EQUIVALENT	EQUIVALENT	
						KOHLER	EQUIVALENT	---	EQUIVALENT	EQUIVALENT	EQUIVALENT	
						CHICAGO FAUCET	—	2200-4	---	---	---	
						DELTA FAUCET	—	EQUIVALENT	---	---	---	
P3	THERMOSTATIC MIXING VALVE	---	---	3/8"	3/8"	WATTS	LFUSG-B-M2	---	---	---	---	PROVIDE THERMOMETER IN DISCHARGE PIPE. 3/8"CW/HW INLET 3/8"TW OUTLET SHALL BE ASSE-1070 COMPLAINT
						LEONARD	EQUIVALENT					
						SYMMONS	EQUIVALENT					
P4	MOP SINK FLOOR MOUNTED 24"X24"X12"	FLOOR MOUNTED	3"	1/2"	1/2"	STERN-WILLIAMS	SB-800	---				MOUNT TRIM 3'-0" ABOVE FINISHED FLOOR AND PROVIDE 4'-0" HOSE AND HOSE HOOK
						FIAT	TSB-200	---	---	---	---	
						DELTA FAUCET	---	28C2383	---	---	---	
						SYMMONS FAUCET		EQUIVALENT	---	---	---	
P5	GAS WATER HEATER	FLOOR MOUNTED	---	1-1/2"	1-1/2"	A.O.SMITH	BTH-150	---	---	---	---	PROVIDE WITH 150 MBH, 120V, 1.48 AMP. 1" GAS CONNECTION. LEAVING WATER TEMPERATURE 140 DEGREE. 100 GALLON NON-ASME DIRECT VENT 98% EFFICIENCY. 33" DIAMETER, ZERO CLEARANCE 3" VENT WITH LED FUNCTION DISPLAY.
						LOCHINVAR	EQUIVALENT	---	---	---	---	
						RHEEM	EQUIVALENT	---	---	---	---	
P6	GREASE INTERCEPTORS	SEE PLAN	4"	1-1/4"	---	SCHIER	GB-250	---	---	---	---	INTERCEPTORS 200 GPM. SEE CALCULATION ON SHEET THIS SHEET. PROVIDE MAN HOLE EXTENSIONS AS NEEDED WITH TRAFFIC RATED CAST IRON TOPS.
						MI-FAB	EQUIVALENT	---	---	---	---	
						GREASEZILLA	EQUIVALENT	---	---	---	---	

GREASE INTERCEPTOR SIZING
STEP 1: FLOW RATE
FLORIDA BUILDING CODE SECTION 1003.3.4
GREASE INTERCEPTORS AND AUTOMATIC GREASE REMOVAL DEVICES SHALL BE SIZED IN ACCORDANCE WITH PDI G101, ASME A112.14.3.

STEP 2: GREASE PRODUCTION
1. ENTER APPROXIMATE NUMBER OF MEALS SERVED DAILY
2. ENTER NUMBER OF DAYS BETWEEN PUMP OUT CYCLE (CYCLE IS 30 DAYS)
3. SELECT GREAT BASIN UNIT THAT MOST CLOSELY MATCHES FLOW RATE AND GREASE STORAGE LBS.

PDI G101 SECTION 8.3.1, SIZING METHOD BASED ON PIPE DIAMETER AND SLOPE.	
PIPE SIZE	FULL PIPE FLOW INTERCEPTOR SIZE FULL FLOW RATE
2"	19.44 GPM
3"	58.67 GPM
4"	125.77 GPM
6"	375 GPM

ENTER # MEALS/DAY	RESTAURANT TYPE	GREASE PER MEAL SEE SIZEING GUIDELINES AT LINK BELOW	DAYS BETWEEN PUMP OUT	GREASE STORAGE NEEDED
	RESTAURANTS WASHING DISHES AND FLATWARE			
	LOW GREASE WITH FLATWARE	0.0065		0
0	MEDIUM GREASE WITH FLATWARE	0.0325	0	0
364	HIGH GREASE WITH FLATWARE	0.0455	60	993.73
	RESTAURANTS USING DISPOSAL PLATES AND FLATWARE			
	LOW GREASE WITH NO FLATWARE	0.005		0
0	MEDIUM GREASE WITH NO FLATWARE	0.025	0	0
0	HIGH GREASE WITH NO FLATWARE	0.035	0	0
	TOTAL GREASE STORAGE NEEDED IN POUNDS			993.73
	RECOMMENDED GREAT BASIN UNIT			(1) GB-250

(1) GB-250 GREASE INTERCEPTOR IS CERTIFIED TO THE ASME 112.14.3 AT 200 GPM TO HOLD 1,196 LBS OF GREASE

MULTIPLE UNITS SHOULD BE INSTALLED IN SERIES AND COME STANDARD WITH TRAFFIC RATED MANHOLE COVERS.

GB INSTALLATION: http://www.schierproducts.com/GI/gb redesign/inst/gb series installation o&m.pdf

GREASE PRODUCTION SIZING METHOD: http://schierproducts.com/sizing/GB Sizing.pdf

DRAIN AND CLEANOUT SCHEDULE

MARK	OUTLET SIZE	STRAINER SIZE	MANUFACTURER'S NUMBERS			NOTES
			JOSAM	WADE	ZURN	
FD1	3"	6" ROUND	A-6A-2-VP	EQUIVALENT	EQUIVALENT	SATIN FINISH BRONZE TOP PROVIDE W/PRECISION PLUMBING "OREGON #1" TRAP PRIMER.
FS1	4"	12"X12"	49360-VP	EQUIVALENT	EQUIVALENT	PROVIDE WITH HALF GRATE PROVIDE SEDIMENT BUCKET
ECO	SEE PLANS	---	58680/ 58490-20	EQUIVALENT	EQUIVALENT	MOUNT IN 12"X12"X4" CONC. PAD IF LOCATED IN UNPAVED AREA
FCO	SEE PLANS	---	58363	EQUIVALENT	EQUIVALENT	
WCO	SEE PLANS	---	58912	EQUIVALENT	EQUIVALENT	STAINLESS STEEL WALL ACCESS COVER
TP	PRECISION PLUMBING "OREGON #1" TRAP PRIMER WITH 1/2" CW ROUTED BELOW SLAB TO FLOOR DRAIN/SINK.					
HD	HUB DRAIN. PROVIDE 2" PTRAP, AND TRAP PRIMER IF NOT SERVING AN ICE MAKER. INSULATE FIRST FIVE FEET AFTER AND INCLUDING PTRAP WHEN RECEIVING ICE MAKER DRAINS IN MULTI STORY BUILDINGS.					

BID ACCURATE

FOODSERVICE PLUMBING SCHEDULE

PLUMBING TAG	C.W. SIZE	C.W. AFF (in)	H.W. SIZE	H.W. AFF (in)	FILTERED WATER	IINDIRECT WASTE SIZE (IN)	IINDIRECT WASTE #	DIRECT WASTE	DIRECT WASTE AFF (in)	GAS	MBTUH	GAS AFF (in)	EQUIPMENT CATEGORY	PLUMBING REMARKS
P2	-	-	-	-	-	-	-	-	-	3/4"	150.0	30	GRIDDLE, GAS, COUNTERTOP	BTC THRU GAS HOSE
P4	1/2"	12"	1/2"	12"	-	-	-	-	-	-	-	-	KETTLE, ELECTRIC COUNTERTOP	BTC
P6	-	-	-	-	-	-	-	-	-	3/4"	102.0	30"	GAS FLOOR FRYER	BTC THRU GAS HOSE
P10	-	-	-	-	-	-	-	-	-	3/4"	128.0	30"	HOTPLATE, COUNTERTOP, GAS	BTC THRU GAS HOSE
P11	1/2"	12"/18"	-	-	-	-	-	-	-	-	-	-	CONVECTION OVEN, ELECTRIC	BTC - 2 CONNECTIONS @ 0.75
P17	-	-	-	-	1/2"	3/4"	FS-2	-	-	-	-	-	ICE MAKER	FILTERED WATER FROM # 17.2 / RUN TO FLOOR DRAIN
P17.1	-	-	-	-	-	3/4"	FS-2	-	-	-	-	-	ICE BIN	RUN TO FLOOR DRAIN
P17.2	1/2"	84"	-	-	-	-	-	-	-	-	-	-	WATER FILTER	BTC
P19	-	-	-	-	-	-	-	-	-	3/4"	70.0	30"	CHARBROILER, GAS, COUNTERTOP	BTC THRU GAS HOSE
P23	-	-	1/2"	60"	-	2"	FS-3	-	-	-	-	-	DISHWASHER, SINGLE DOOR	BTC / RUN TO FLOOR DRAIN
P31	1/2"	16"	1/2"	16"	-	2-1/2"	FS-4	-	-	-	-	-	3 COMP. SINK + FAUCET	BTC / RUN TO FLOOR DRAIN
P32	1/2"	12"	1/2"	12"		2-1/2"	FS-1						UNDERBAR SINK	BTC / RUN TO FLOOR DRAIN
P33	-	-	-	-	-	2"	FS-3	-	-	-	-	-	SOILED DISHTABLE	RUN TO FLOOR DRAIN
P34	1/2"	16"	1/2"	16"	-	-	-	-	-	-	-	-	PRE-RINSE FAUCET	BTC
P36	1/2"	16"	1/2"	16"	-	-	-	1-1/2"	18"	-	-	-	HAND SINK	BTC / RUN TO DIRECT DRAIN
P37	1/2"	16"	1/2"	16"	-	1-1/2"	FFD-1	-	-	-	-	-	DROP-IN SINK	BTC / RUN TO FLOOR DRAIN
P38	1/2"	36"	1/2"	36"	-	-	-	3-1/2"	0"	-	-	-	MOP SINK	BTC
P40	1/2"	18"	-	-	-	1"	FS-1	-	-	-	-	-	GLASS FILLER STATION	BTC / RUN TO FLOOR DRAIN
P41	-	-	-	-	-	1"	FFD-1	-	-	-	-	-	DROP-IN ICE BIN	RUN TO FLOOR DRAIN
P46	1/2"	18"	-	-	-	1/2"	FFD-1	-	-	-	-	-	GLASS RINSER	BTC / RUN TO FLOOR DRAIN
P48	1/2"	48"	-	-	-	-	-	-	-	-	-	-	COFFEE BREWER	BTC @ 3/8"
P50	1/2"	48"	-	-	-	-	-	-	-	-	-	-	ICED TEA BREWER	BTC @ 1/4"
P61	1/2"	16"	-	-	-	-	-	-	-	-	-	-	ESPRESSO MACHINE	BTC @ 1/4"
P70.1	-	-	-	-	-	1"	FFD-2	-	-	-	-	-	WALK-IN COOLER EVAPORATOR	RUN TO FLOOR DRAIN
P70.3	-	-	-	-	-	1"	FFD-2	-	-	-	-	-	WALK-IN FREEZER EVAPORATOR	RUN TO FLOOR DRAIN
P73	1/2"	16"	1/2"	16"	-	2-1/2"	FS-5	-	-	-	-	-	ONE COMP. SINK	BTC / RUN TO FLOOR DRAIN
PCH	1/2"	48"	-	-	-	-	-	-	-	-	-	-	WATER FOR CLEANING CHEMICALS	BTC @ 3 COMP. SINK

OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

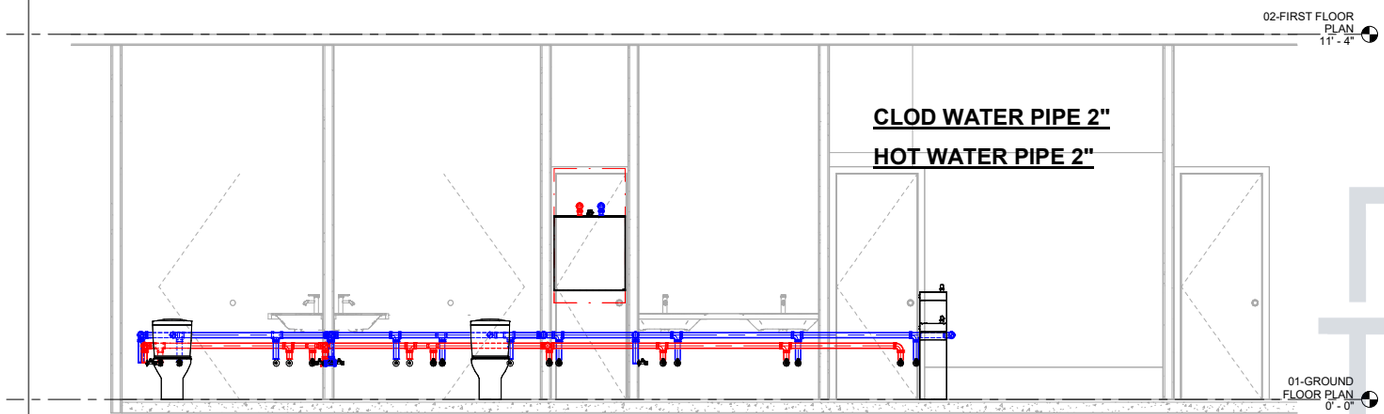
CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

OCCUPANT LOAD

113 PEOPLE

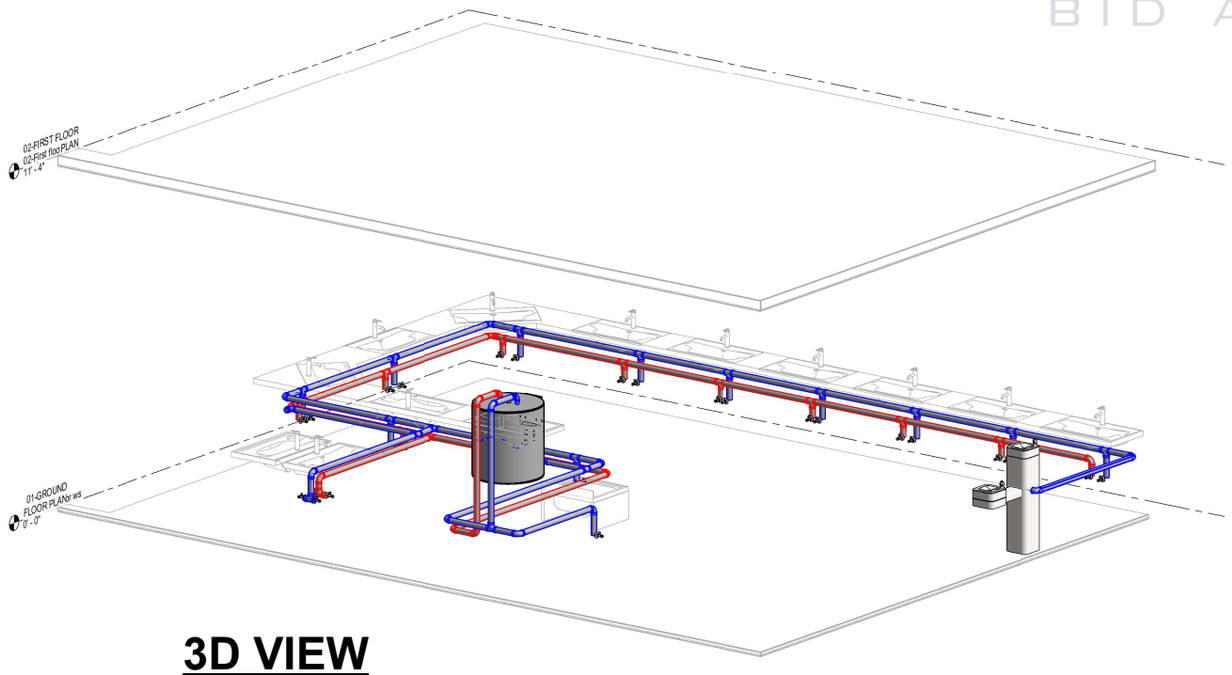
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SECTION

SCALE 1'-0=1/4"



3D VIEW

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE PLUMBING 7TH EDITION AND APPLICABLE CODES. TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION AND CHAPTER 633, FLORIDA STATUTES. FBC 110.8.4.4 2020. ALL DRAWINGS AND SPECIFICATIONS COMPLY WITH MINIMUM EXISTING CODES.

2. CONTRACTOR SHALL PROVIDE ALL WORK CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED FOR ON THE PLANS. ALL WORK SHALL BE IN ACCORDANCE WITH BASE BUILDING PLANS AND SPECIFICATIONS.

3. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND EXISTING CONDITIONS. THE INTENT OF THESE NOTES AND MECHANICAL NOTES ON DRAWINGS IS TO CLARIFY THE SCOPE OF WORK AND ALERT CONTRACTOR OF EXISTING CONDITIONS.

4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION SCHEDULES. FIXED WORK SUCH AS PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUITS AND SMALL WATER LINES, ETC.

5. CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS BEFORE INSTALLATION TO AVOID ANY BEAM CONFLICTS AND COORDINATE PIPING ACCORDINGLY.

6. ROUTE ALL PIPING CONCEALED ABOVE CEILING, WITHIN WALLS OR IN CHASES EXCEPT AS SPECIFICALLY NOTED. PATCH ALL EXISTING SURFACES AFFECTED TO MATCH ADJACENT SURFACES.

7. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

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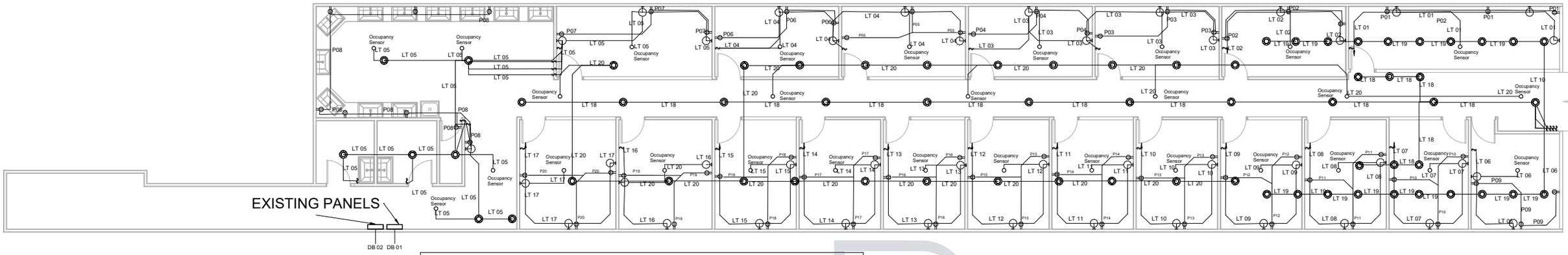
BID ACCURATE

OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

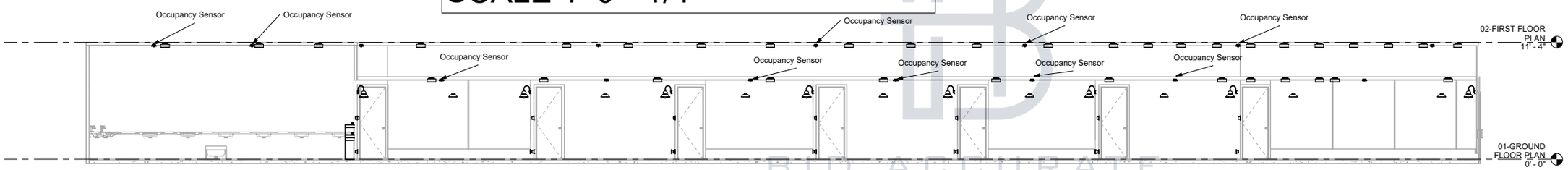
CONSTRUCTION TYPE

CONSTRUCTION TYPE I:REINFORCED
CONCRETE STRUCTURE

NOTE: DB-01 & DB-02 ARE EXISTING PANELS



GROUND FLOOR ELECT PLAN
SCALE 1'-0"=1/4"



SECTION
SCALE 1'-0"=1/4"

ELECTRIC LEGEND	
	RECESSED LIGHT
	SWITCH
	ELECTRICAL OUTLET/POWER OUTLET
	ELECTRICAL PANEL
	WALL LIGHT
	OCCUPANCY SENSOR

NOTE

CODES USED IN THE PROJECT

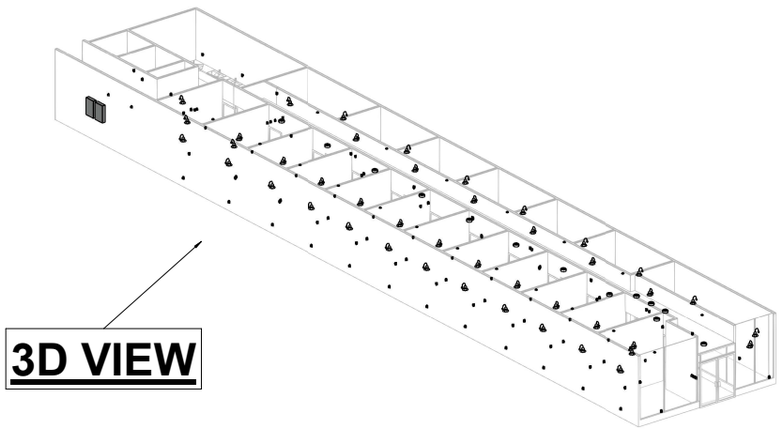
1 FBC 107.2 & FBC 107.3.5.1.2 and NEC 408.4 NEC 402.3

2 FBC 405.2.1

OCCUPANT LOAD

113 PEOPLE

1 PERSON = 30 SQFT

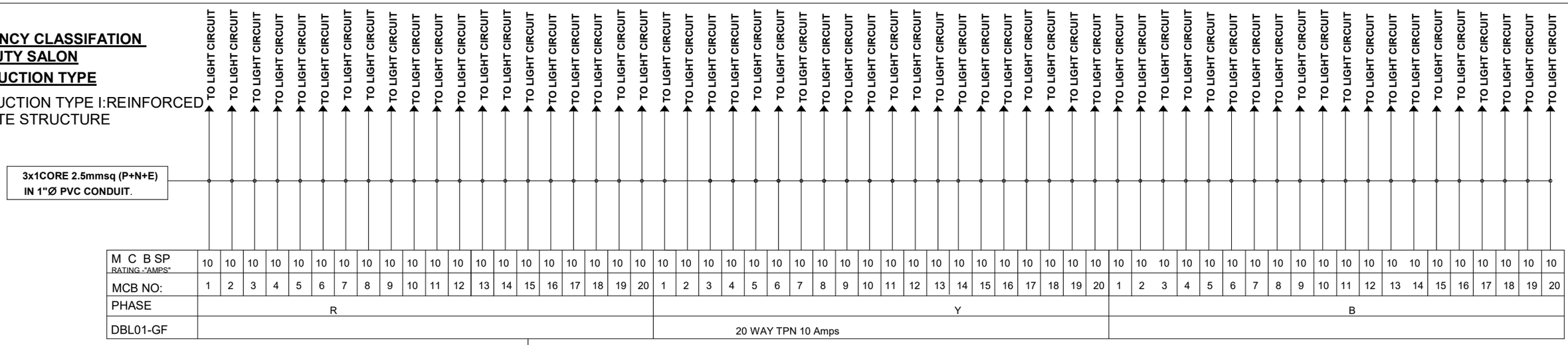


3D VIEW

BID ACCURATE

OCCUPANCY CLASSIFATION
A-3 BEAUTY SALON
CONSTRUCTION TYPE

CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE



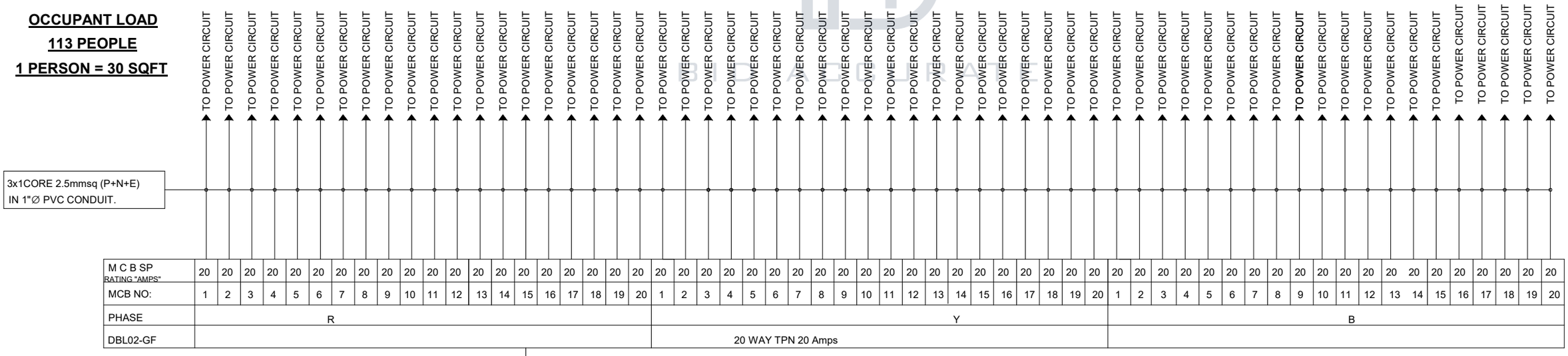
SINGLE LINE DIAGRAM OF:-
DISTRIBUTION BOARD
GROUNDFLOOR (DB01-GL)

	ELECTRIC LEGEND
	RECESSED LIGHT
	SWITCH
	ELECTRICAL OUTLET/POWER OUTLET
	ELECTRICAL PANEL
	WALL LIGHT
	OCCUPANCY SENSOR

	NOTE
	CODES USED IN THE PROJECT
1	FBC 107.2 & FBC 107.3.5.1.2 and NEC 408.4 NEC 402.3
2	FBC 405.2.1

NOTE: DB-01 & DB-02 ARE EXISTING PANELS

OCCUPANT LOAD
113 PEOPLE
1 PERSON = 30 SQFT



SINGLE LINE DIAGRAM OF:-
DISTRIBUTION BOARD
GROUND FLOOR (DB02-GL)

OCCUPANCY CLASSIFATION A-3 BEAUTY SALON

CONSTRUCTION TYPE

CONSTRUCTION TYPE I:REINFORCED CONCRETE STRUCTURE

NOTE: DB-01 & DB-02 ARE EXISTING PANELS

	NOTE
	CODES USED IN THE PROJECT
1	FBC 107.2 & FBC 107.3.5.1.2 and NEC 408.4 NEC 402.3
2	FBC 405.2.1

OCCUPANT LOAD

113 PEOPLE

1 PERSON = 30 SQFT

ELECTRIC LEGEND	
	RECESSED LIGHT
	SWITCH
	ELECTRICAL OUTLET/POWER OUTLET
	ELECTRICAL PANEL
	WALL LIGHT
	OCCUPANCY SENSOR

Branch Panel: DB 01

Location:
Supply From:
Mounting: Recessed
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 50 A
MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	R		Y		B		Poles	Trip	Circuit Description	CKT
1	LT 02	10 A	1	200 VA	200 VA					1	10 A	LT 06	2
3	LT 04	10 A	1			400 VA	1260 VA			1	10 A	LT 20	4
5	LT 05	10 A	1					820 VA	1020 VA	1	10 A	LT 18	6
7	LT 03	10 A	1	400 VA	1200 VA					1	10 A	LT 19	8
9	LT 14	10 A	1			200 VA	200 VA			1	10 A	LT 11	10
11	LT 15	10 A	1					200 VA	200 VA	1	10 A	LT 12	12
13	LT 13	10 A	1	200 VA	200 VA					1	10 A	LT 10	14
15	LT 08	10 A	1			200 VA	300 VA			1	10 A	LT 16	16
17	LT 09	10 A	1					200 VA	300 VA	1	10 A	LT 17	18
19	LT 07	10 A	1	200 VA	300 VA					1	10 A	LT 01	20
			Total Load:	2900 VA		2560 VA		2740 VA					
			Total Amps:	24 A		21 A		23 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Dwelling Unit	8200 VA	58.78%	4820 VA		
Other	0 VA	0.00%	0 VA	Total Conn. Load:	8200 VA
				Total Est. Demand:	4820 VA
				Total Conn.:	23 A
				Total Est. Demand:	13 A

Notes:

EXISTING LIGHTING PANEL SCH

BID ACCURATE

Branch Panel: DB 02

Location:
Supply From:
Mounting: Recessed
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 50 A
MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	R		Y		B		Poles	Trip	Circuit Description	CKT
1	P01	20 A	1	540 VA	540 VA					1	20 A	P02	2
3	P05	20 A	1			540 VA	540 VA			1	20 A	P06	4
5	P07	20 A	1					540 VA	1440 VA	1	20 A	P08	6
7	P03	20 A	1	540 VA	540 VA					1	20 A	P04	8
9	P19	20 A	1			540 VA	540 VA			1	20 A	P16	10
11	P20	20 A	1					540 VA	540 VA	1	20 A	P17	12
13	P18	20 A	1	540 VA	540 VA					1	20 A	P15	14
15	P13	20 A	1			540 VA	540 VA			1	20 A	P10	16
17	P14	20 A	1					540 VA	540 VA	1	20 A	P11	18
19	P12	20 A	1	540 VA	540 VA					1	20 A	P09	20
			Total Load:	4320 VA		3240 VA		4140 VA					
			Total Amps:	37 A		27 A		36 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	11700 VA	92.74%	10850 VA		
				Total Conn. Load:	11700 VA
				Total Est. Demand:	10850 VA
				Total Conn.:	32 A
				Total Est. Demand:	30 A

Notes:

EXISTING POWER PANEL SCH