



PERMIT/CONSTRUCTION SET  
 DATE: FEB. 28, 2018

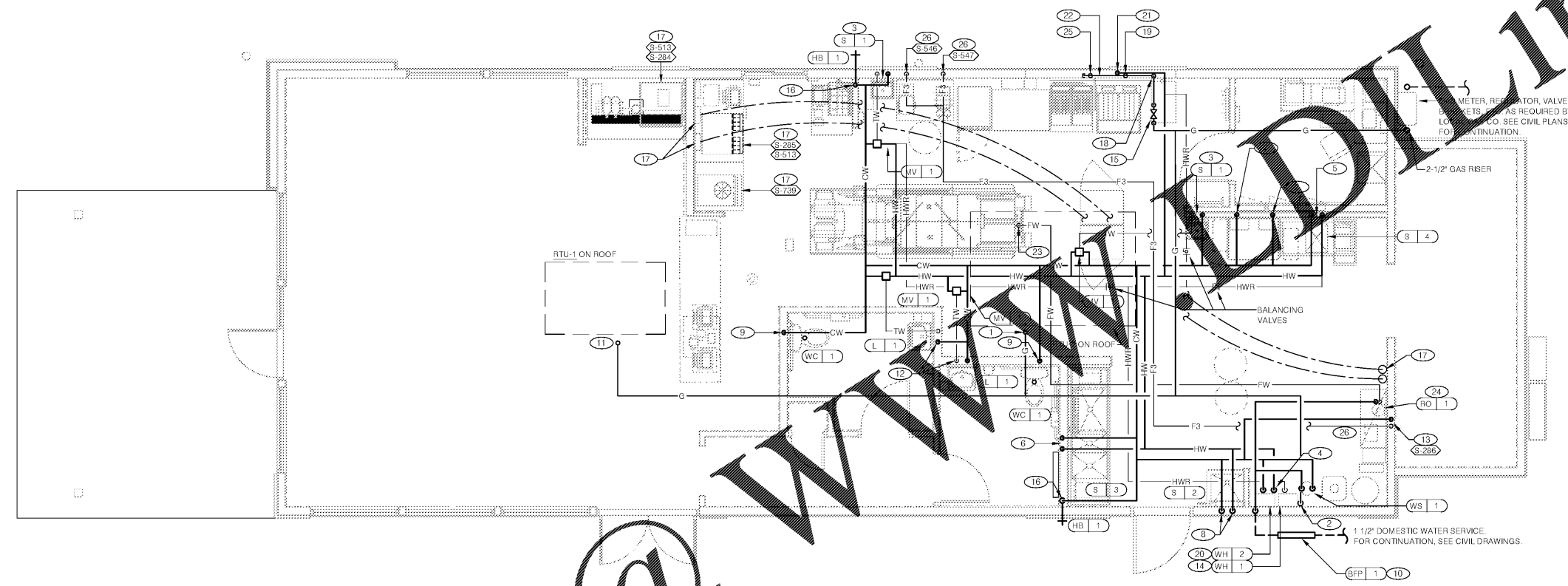
CONTRACT DATE: XXXX.XX  
 BUILDING TYPE: EXPLORER LITE 40  
 PLAN VERSION: DECEMBER 2017  
 SITE NUMBER: XXX-XXX  
 STORE NUMBER: XXXXX

TACO BELL  
 101 MONTGOMERY CROSSING  
 BISCO, NC 27209

**EXPLORER LITE**  
 MEDIUM 40

**WATER AND GAS PLAN**  
**P3.0**

PLOT DATE:



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

**CROSS CONNECTION CONTROL SCHEDULE**

FIXTURE	MAKE	MODEL	ASSE, ASME OR ANSI STANDARD
MOP SINK (FAUCET CONTAINS INTEGRAL BACKFLOW DEVICE)	WATTS & INTEGRAL	9DM2-S	ASSE 1012
ICE MACHINE	AIR GAP	INTERNAL	ASSE 1112.1.2
TEA BREWER	WATTS	SD-3	ASSE 1022
BEVERAGE DISPENSERS	WATTS	SD-3	ASSE 1022
WATER FILTER SYSTEM	WATTS	LF009OT	ASSE 1013
REVERSE OSMOSIS SYSTEM	WATTS	LF009OT	ASSE 1013
CHEMICAL DISPENSER	WATTS	LF009 W/AL	ASSE 1013
FREEZEPROOF HOSE/BIBB	WATTS	LF8	ASSE 1011
HOSE/BIBB FOR CHEM. DISP. @ MSB	WATTS	LF8	ASSE 1011
3-COMPARTMENT SINK	AIR GAP		ASSE A112.1.2
WORK SINK	AIR GAP		ASSE A112.1.2
HAND SINKS	AIR GAP		ASSE A112.1.2
LAVATORY	AIR GAP		ASSE A112.1.2
WATER CLOSURE	WATTS	LF530C	ASSE 1002
WATER HEATER	WATTS	LFN360	ANSI Z21.22
BUILDING WATER METER (BY LANDLORD)	WATTS	LF009 M2-OT	ASSE 1013

ALL BRASS VALVES SHALL BE COMPLIANT WITH THE 2014 EPA LEAD FREE REQUIREMENTS.

**WATER & GAS PLAN NOTES**

A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISH CEILING UNDER SLAB DISTRIBUTION IS ALLOWED BY CONTRACT OPTION. COORDINATE ALL DETAILS.

B. METHOD OF PENETRATIONS THROUGH THE ROOF "WATER VALLEYS", REFER TO ROOF PLAN FOR LOCATION.

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

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

E. REMOVE ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.

F. PROVIDE REDUCED PRESSURE BACKFLOW TO SERVE CARBONATOR, DRAIN RELIEF TO FLOOR SINK WITH AIRGAP.

- 1 1-1/4" GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK, UNION.
- 2 1-1/2" GAS DOWN TO WATER HEATERS WITH GAS COCK, DIRT LEG AND UNION.
- 3 1/2" COLD WATER AND TEMPERED WATER DOWN IN WALL TO HAND SINK.
- 4 1-1/4" HOT AND COLD WATER LINES AND 3/4" HOT WATER RETURN DOWN TO WATER HEATERS.
- 5 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
- 6 1/2" COLD AND HOT WATER LINES DOWN IN WALL TO THREE COMPARTMENT SINK.
- 7 1/2" COLD WATER 2'-0" A.F.F. CONNECT TO WATER FILTER FOR HOT WATER SYSTEM P-450. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.
- 8 1/2" COLD AND HOT WATER DOWN IN THE WALL TO THE MOP SINK.
- 9 1/2" CW DOWN IN WALL TO FLUSHMETER TANK WATER CLOSET.
- 10 REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL UTILITY REQ'S. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DWGS.
- 11 1" GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK, UNION.
- 12 1/2" COLD WATER AND TEMPERED WATER LINES DOWN IN WALL TO LAVATORY.
- 13 3/4" CW DOWN ALONG WALL TO WATER FILTER S-286.
- 14 WATER HEATERS (WH-1&2) PIPE CONDENSATE LINE, T&P DISCHARGE AND DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.0.

- 15 EMERGENCY GAS SHUT OFF VALVE LOCATED AT 7'-0" (BELOW CEILING).
- 16 1/2" CW DOWN IN WALL TO EXTERIOR HOSE BIBB.
- 17 BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND FILTERED WATER LINES TO ICE MAKERS S-513 (FILTERED WATER LINE F2) AND FILTERED WATER LINES TO BEVERAGE DISPENSERS S-284 AND S-285 AND FROZEN BEVERAGE DISPENSER S-543 (FILTERED WATER LINE F1). SEE DRAWINGS A2.0, 2/P5.0, P6.0, AND 19/A6.4.
- 18 1-1/4" GAS DOWN IN WALL TO TACO BELL COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
- 19 1" GAS W/DIRT LEG & GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
- 20 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0. SEE DETAIL 2/P6.0.
- 21 1/2" HOT WATER DOWN IN WALL TO TB RETHERMALIZER. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.
- 22 RUN GAS PIPE 16" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT.
- 23 1/2" FILTER WATER PIPE DOWN IN UTILITY CHASE OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON FW PIPING IN CEILING NEAR CHASE.
- 24 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-305 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TO CONNECTION TO FILTER.

- 25 1" GAS W/DIRT LEG & GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
- 26 3/4" FILTERED WATER (F3) ABOVE CEILING FROM WATER FILTER S-286 DROP DOWN 1/2" FILTERED WATER (F3) DOWN IN WALL AT TEA BREWER AND COFFEE BREWER. SEE WATER FILTERED ISOMETRIC 2/P5.0 FOR MORE INFORMATION.

**KEY NOTES** **B**