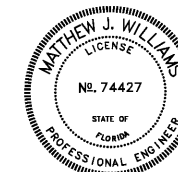


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FLA REG. FE 74427
JOB NO. 202016

DQ GRILL & CHILL
US HWY 90 (LOT 2)
GLEN ST MARY, FL
32040



GRILL & CHILL

AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.

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BUILDING TYPE:
DAIRY QUEEN GRILL & CHILL
CORE 66
STORE No. 45961

DRAWN, CHECKED, & APPROVED BY: ADQ
DESIGN-ARCHITECTURE-CONSTRUCTION
(DAC) DEPARTMENT

THIS IS "PLAN" NORTH
FOR ACTUAL BUILDING
ORIENTATION REFER TO
SITE PLAN (BY OTHERS)

ISSUE DATE: 10/30/2020

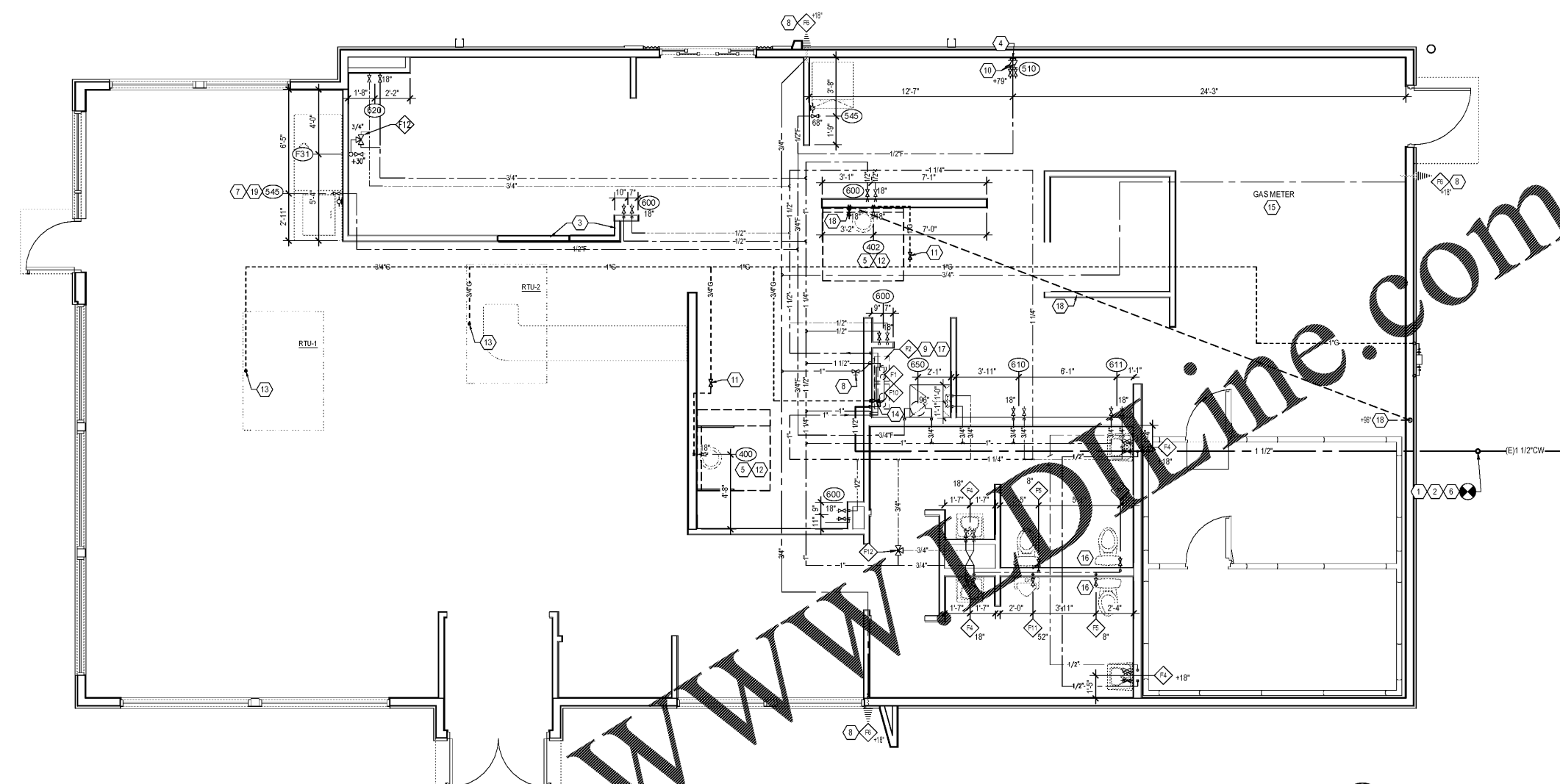
REVISION DATE:
10/30/2020 ISSUE FOR CONSTRUCTION

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**PLUMBING
WATER PLAN**

SHEET NUMBER:

P1



PLUMBING SYMBOLS	
SYMBOL	DESCRIPTION
●	FLOOR DRAIN
●	FLOOR DRAIN W/ FUNNEL
■	FLOOR SINK
DCO	DOUBLE CLEAN OUT
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
VTR	VENT THRU ROOF
BFP	BACKFLOW PREVENTER
SOV	SHUT OFF VALVE
---	WASTE, BELOW FLOOR
---	SYRUP LINES/CHASE, OVERHEAD
---	VENT
---	FILTERED WATER
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	GAS LINE

1 WATER, GAS, & PLUMBING SUPPLY PLAN
SCALE: 1/4" = 1'-0"

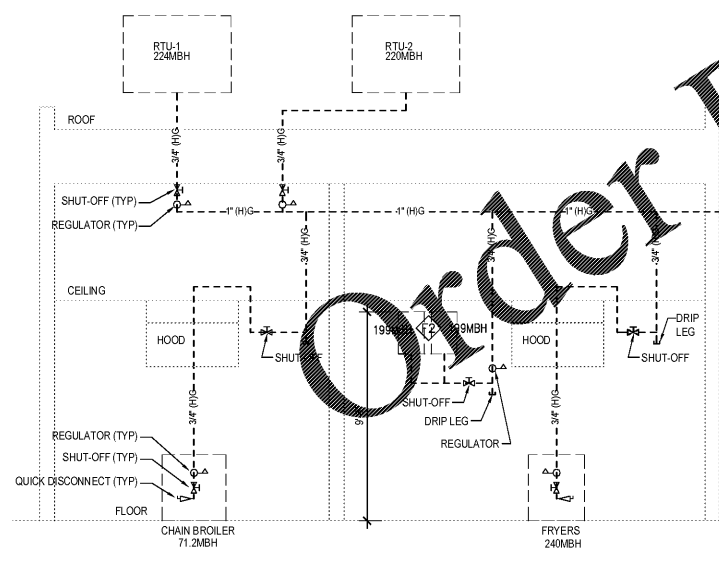
LEGEND	
NO.	DESCRIPTION
1	WATER METER
2	WATER HEATERS
3	SERVICE SINK FAUCET
4	LAVATORY
5	WATER CLOSET
6	HOSE BIB
7	BACKFLOW PREVENTER
8	URINAL
9	MIXING VALVE

- GENERAL NOTES**
- REFER TO EQUIPMENT SCHEDULE FOR PLUMBING SPECIFICATIONS FOR EQUIPMENT PROVIDED BY OWNER AND/OR OTHERS.
 - PROVIDE SHUT OFF VALVES AT ALL FIXTURES.
 - CHEMICAL SANITIZER WITH HOT WATER (120°), IS ASSUMED FOR DISHWASHING IN STORE. LOCAL CODES SHOULD BE VERIFIED PRIOR TO CONSTRUCTION TO CONFIRM SPECIFIC REQUIREMENTS.
 - PLUMBING CONTRACTOR TO VERIFY IN FIELD ALL EXISTING UTILITIES, DIMENSIONS AND CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
 - DIMENSIONS GIVEN TO ROUGH-INS ARE CRITICAL FOR EQUIPMENT PLACEMENT.
 - ALL DOMESTIC WATER PIPING INSULATED WITH 1" POLYETHYLENE THERMA-CELL INSULATION WITH ALL JOINTS AND SEAMS SEALED, OR EQUAL.
 - REFRIGERATION SITE GLASS IS INCLUDED WITH ALL REFRIGERATION EQUIPMENT FURNISHED BY OWNER AND/OR OTHERS.
 - GAS PIPING CONTRACTOR MAY USE FLEXIBLE AND CONTINUOUS PIPING AS LISTED AND APPROVED AGA, TRADE PIPE BY "REGI-FLEX" IF ALLOWED BY PREVAILING CODES.
 - WATER PIPING CONTRACTOR MAY USE FLEXIBLE AND CONTINUOUS PIPING (ADJUST PIPE SIZES AS REQUIRED), ZURN "PEX" #C-03-NSF-PW-CL-TD-ASTM, IF ALLOWED BY PREVAILING CODES.
 - PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL CONDENSATE DRAINS.
 - PLUMBING CONTRACTOR TO PROVIDE INDIRECT WASTE AND CONDENSATE PIPING FOR ALL KITCHEN EQUIPMENT.
 - IF WATER SOFTENER REQUIRED BY OWNER SHALL SERVE ALL FIXTURES OTHER THAN ICE MACHINES, DRINK SYSTEMS, ICED TEA BREWERS, COFFEE MAKERS, HOSE BIBS, CARBONATORS AND ALL.
 - IF HIGH PRESSURE GAS PIPE SIZES BASED ON 2 PSI DELIVERY PRESSURE WITH A 1PSI DROP IN PRESSURE THROUGH A TOTAL EQUIVALENT LENGTH OF 100 FT.
- KEY NOTES**
- CONNECT 1 1/2" CW TO SITE CONNECTION. COORDINATE LOCATION WITH CIVIL. VERIFY WATER PRESSURE ON SITE. PROVIDE PRESSURE REDUCING VALVE AS NECESSARY.
 - WATER METER REMOTE READOUT LOCATED ON THE EXTERIOR WALL.
 - HALF HIGH WALL. NO FULL HEIGHT VERTICAL PLUMBING LINES.
 - SURFACE MOUNTED PLUMBING LINES (AFTER WALL FINISH IS APPLIED)
 - IF LOCAL GAS PRESSURE REQUIRES A REGULATOR ON THE GAS OPERATED EQUIPMENT, THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL THE GAS REGULATORS AS REQUIRED.
 - MAINTAIN CLEARANCE REQUIRED BY CODE BETWEEN THE SANITARY SEWER AND THE WATER LINE.
 - PROVIDE 1/2" OD PUSH/PULL FITTING FROM WATER FILTER TO ICE MAKER.
 - PROVIDE SHUT-OFF WITH DRAIN MOUNTED AT WATER METER. PIPE TO BE SLOPED AFTER SHUT-OFF VALVE TOWARDS HOSE BIB TO ALLOW FOR DRAINING OF THE PIPE.
 - WATER HEATER FLUE AND COMBUSTION AIR VENT THROUGH ROOF SEE DETAIL B&4.
 - PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A SHUT-OFF VALVE AND A STAINLESS STEEL BACKFLOW PREVENTER AT CARBONATOR.
 - PROVIDE ONE MANUALLY OPERATED SHUT-OFF VALVE ON BRANCH GAS PIPING TO APPLIANCES LOCATED ACCESSIBLE ABOVE CEILING TILE.
 - QUICK DISCONNECTS AND RETENSION CABLES PROVIDED WITH FRYERS & CHAIN BROILER
 - BLACK STEEL OR COPPER GAS PIPING UP THROUGH CURB TO ROOFTOP HVAC EQUIPMENT.
 - 3/4" GAS PIPING TO WATER HEATER. SEE DETAIL B&4.
 - GAS METER (DO NOT MOUNT ON BUILDING EFS) WITH SHUT-OFF VALVES AND PRESSURE REGULATOR PROVIDED BY THE GAS COMPANY. GAS METER SIZED FOR 1153.2 MBH @ 2 PSI DELIVERY PRESSURE ON BUILDING SIDE OF METER.
 - LOCATE FLUSH LEVER ON THIS SIDE OF TOILET PER ADA REQUIREMENTS.
 - 5/8" NPT PLASTIC CONDENSATE LINE TO SERVICE SINK SURFACE MOUNT TIGHT TO WALL. SLOPE TO DRAIN.
 - PLUMBING CONTRACTOR TO PROVIDE QUICK DISCONNECT AND 3/4" BLACK IRON PIPE FROM FRYER TO USED COOKING OIL RECYCLING TANK. PROVIDE CONSTANT MIN. 1/4" PER FT. SLOPE TO RECYCLING TANK. PROVIDE BACK TO BACK 45° ELBOWS FOR ANY CHANGE IN DIRECTION.
 - PLUMBING CONTRACTOR TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.

GAS LOADS BTU	
RTU-1	22,000
RTU-2	220,000
WATER HEATER	199,000
WATER HEATER	199,000
CHAR BROILER	71,200
BATTERY OF FRYERS	240,000
TOTAL	1,153,200

TOTAL GAS USAGE: 1153.2 MBH
MIN. SERVICE PRESSURE: 2 P.S.I. MIN.
PRESSURE AFTER METER: 2 P.S.I.
PRESSURE DROP: 1 P.S.I.
LONGEST RUN: 100'

NOTE:
REDUCE GAS PRESSURE AT THE
EQUIPMENT'S REGULATORS IN
ACCORDANCE WITH EQUIPMENT
MANUFACTURER'S SPECIFICATIONS.



2 GAS PIPING SCHEMATIC

THIS PLAN WAS DEVELOPED USING
THE 2020 FLORIDA FUEL GAS CODE

THIS PLAN WAS DEVELOPED USING
THE 2020 FLORIDA PLUMBING CODE