

PLUMBING LEGEND			
	EXISTING TO REMAIN		BALL VALVE
	EXISTING TO BE DEMOLISHED		BUTTERFLY VALVE
	SANITARY		GATE VALVE (SCREWED BODY)
	STORM (BELOW GROUND)		GATE VALVE (FLANGED BODY)
	STORM (ABOVE GROUND)		BALANCING VALVE
	OVERFLOW (SECONDARY STORM)		CHECK VALVE
	GREASE WASTE		PLUG VALVE
	DO NOT TAP		THERMOSTATIC MIXING VALVE
	DOMESTIC COLD WATER		PRESSURE REDUCING VALVE
	DOMESTIC HOT WATER		PRESSURE GAUGE
	DOMESTIC HOT WATER RETURN		RELIEF VALVE
	NATURAL GAS		SOLENOID VALVE
	VENT		STRAINER
	FILTERED WATER		UNION
	SODA CONDUIT		WATER HAMMER ARRESTOR
	PIPE TURNED UP		THERMOMETER
	PIPE TURNED DOWN		CONNECT TO EXISTING
	PET'S PLUG		FLOOR PENETRATION MARKER

## ABBREVIATIONS

[D]	DEMOLITION	HD	HEAD
[E]	EXISTING	HGT	HEIGHT
[F]	FUTURE	HP	HORSEPOWER
[R]	RELOCATE	INV	INVERT
AAV	AIR ADMITTANCE VALVE	IW	INDIRECT WASTE
ABV	ABOVE	KEC	KITCHEN EQUIPMENT CONTRACTOR
AFF	ABOVE FINISHED FLOOR	LB	POUNDS
AFG	ABOVE FINISHED GRADE	LF	LINEAR FEET
AHJ	AUTHORITY HAVING JURISDICTION	LG	LENGTH
AUTO	AUTOMATIC	MAX	MAXIMUM
AVG	AVERAGE	MFC	MANUFACTURER
BLDG	BUILDING	MIN	MINIMUM
BOP	BOTTOM OF PIPE	MS	MOP SINK
BFP	BACKFLOW PREVENTER	N/A	NOT APPLICABLE
CA	COMPRESSED AIR	NC	NORMALLY CLOSED
CAP	CAPACITY	NO	NORMALLY OPEN
CFH	CUBIC FEET PER HOUR	NPW	NON-POTABLE WATER
CFM	CUBIC FEET PER MINUTE	NTS	NOT TO SCALE
CO	CLEANOUT	OF	OWNER FURNISHED
CONN	CONNECTION OR CONNECT	PC	PLUMBING CONTRACTOR
CONT	CONTINUATION	PD	PUMPED DISCHARGE
CU FT	CUBIC FEET	PLBG	PLUMBING
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PPM	PARTS PER MILLION
DCW	DOMESTIC COLD WATER	PRS	PRESSURE
DEPT	DEPARTMENT	PRV	PRESSURE REDUCING VALVE
DHW	DOMESTIC HOT WATER	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PSIG	PSI GAUGE
DN	DOWN	RP	RECIRCULATION PUMP
DW	DIRECT WASTE	RPZ	REDUCED PRESSURE ZONE
DWG	DRAWING	SH	SHOWER
DWV	DRAIN WASTE VENT	SRD	SECONDARY ROOF DRAIN
EL	ELEVATION	STD	STANDARD
EW	ELECTRIC WATER COOLER	STR	STRAINER
EXH	EXHAUST	TEMP	TEMPERATURE
*F	DEGREES FAHRENHEIT	TMV	THERMOSTATIC MIXING VALVE
FD	FLOOR DRAIN	TOP	TOP OF PIPE
FIN	FINISHED	TP	TRAP PRIMER
FT	FOOT OR FEET	TS	TRAP SEAL
G	GAS	TWS	TEMPERED WATER SUPPLY
GA	GAUGE	TYP	TYPICAL
GAL	GALLONS	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	UR	URINAL
GPD	GALLONS PER DAY	V	VENT
GPH	GALLONS PER HOUR	VB	VACUUM BREAKER
GPM	GALLONS PER MINUTE	VDC	VENTED DOUBLE CHECK
HB	HOSE BIBB	VTR	VENT THRU ROOF
HC	HVAC CONTRACTOR	WC	WATER CLOSET

## PLUMBING GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PLUMBING CONTRACTOR SHALL PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK AND OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS, INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE PIPE RISES, DROPS, AND OFFSETS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK. IF PLUMBING CONTRACTOR FAILS TO COORDINATE WITH OTHER TRADES AND WORK IS REQUIRED TO BE ALTERED, THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE FOR THE WORK AT THEIR OWN EXPENSE.
- DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED, THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS, ETC., AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- PROVIDE BACKFLOW PREVENTION DEVICES IN WATER LINES FEEDING PLUMBING FIXTURES AND/OR EQUIPMENT, AS SHOWN ON PLANS AND ELSEWHERE AS REQUIRED BY LOCAL AUTHORITIES. USE DEVICES OF APPROVED TYPE (ASSE LISTED ATMOSPHERIC VACUUM, PRESSURE VACUUM, DOUBLE CHECK, REDUCED PRESSURE ZONE) AND MANUFACTURER.
- VERIFY SERVICE CONNECTION POINTS, SIZES, ELEVATIONS, INVERTS, AND METERING LOCATIONS FOR PROJECT WITH LOCAL UTILITIES CO. AND/OR CIVIL ENGINEER. SERVICES TO INCLUDE BUT NOT LIMITED TO (DOMESTIC WATER, FIRE, SANITARY SEWER, STORM SEWER, GAS, ETC.) PRIOR TO STARTING WORK.
- VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION, IF PRESSURE AT BUILDING ENTRY PRIOR TO ALL LOCALLY REQUIRED DEVICES SUCH AS WATER METER, BACKFLOW PREVENTION DEVICES, ETC. IS LESS THAN 55 PSIG STATIC, CONTACT OWNERS REPRESENTATIVES, IF PRESSURE IS IN EXCESS OF 80 PSIG STATIC, INSTALLATION OF PRESSURE REDUCING VALVE IS REQUIRED.
- PLUMBING CONTRACTOR TO VISIT THE SITE PRIOR TO SUBMITTING BID, INCLUDE ANY ADDITIONAL ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- ALL CUTTING OF EXISTING FLOORS, EXCAVATION AND BACK FILL TO BE PART OF THE PLUMBING CONTRACTOR BID, PATCHING OF FLOORS AND ROOF TO BE BY GENERAL CONTRACTOR.
- PLUMBING CONTRACTOR TO REMOVE FROM THE SITE ANY SURPLUS EXCAVATION.
- EXTERIOR GAS LINE PIPING TO BE PAINTED TO MATCH BUILDING EXTERIOR.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES, ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- ALL PIPING SHALL BE CONCEALED INSIDE WALLS, BELOW FLOORS OR ABOVE CEILINGS UNLESS INDICATED OTHERWISE.
- ALL PIPING SHALL BE SLOPED AS PER THE MINIMUM GRADE REQUIRED BY CODE (UNLESS NOTED OTHERWISE) FOR EACH PARTICULAR PIPE SIZE.
- COORDINATE UNDERGROUND PIPING WITH GRADE BEAMS AND WALL FOOTINGS.
- DO NOT RUN PLUMBING PIPING THROUGH ELECTRICAL ROOMS, DIRECTLY ABOVE ELECTRICAL PANELS OR THROUGH OTHER WATER SENSITIVE AREAS.
- PROVIDE WATER HAMMER ARRESTORS IN ALL BRANCH LINES SERVING FIXTURES, BANK OF FIXTURES, AND ALL FIXTURES/EQUIPMENT WITH QUICK CLOSING VALVES, SOLENOID VALVES AND/OR FLUSH VALVES IN ACCORDANCE WITH STANDARD PDI-WH-201 AND THE LOCAL PLUMBING CODE.
- PLUMBING VENTS EXTENDING THROUGH ROOF SHALL TERMINATE AT 1'-0" (MINIMUM) ABOVE ROOF AND AT A MINIMUM DISTANCE OF 12'-0" HORIZONTALLY FROM ANY AIR INTAKE OR OPERABLE WINDOW.
- ALL EQUIPMENT, PIPING, APPURTENANCES SHALL BE PROTECTED FROM DEBRIS AND DAMAGE. SENSITIVE EQUIPMENT SHALL NOT BE DELIVERED TO THE JOB SITE UNTIL SUCH TIME AS IT IS TO BE INSTALLED. PIPING ENDS SHALL BE CLOSED BY TEMPORARY MEANS WHEN PORTIONS OF THE SYSTEM ARE NOT COMPLETE.
- LOCATE ALL VALVES WHERE THEY ARE ACCESSIBLE FOR SERVICE AND USE. WHERE ACCESS PANELS ARE REQUIRED COORDINATE SELECTION AND LOCATION WITH ARCHITECT.
- PROVIDE TRAP PRIMER AND CONNECTION FOR ANY FLOOR DRAIN, FLOOR SINK OR HUB DRAIN NOT SUBJECT TO REGULAR FLOW.
- ALL PENETRATIONS AT FLOORS AND RATED PARTITIONS SHALL HAVE A UL CLASSIFIED FIRE STOP SYSTEM TESTED TO ASTM E814 AND UL 1497 BY UNDERWRITERS LABORATORIES. FIRE STOP SYSTEMS SHALL BE PROSET SYSTEMS, PENSL FIRESTOP SYSTEMS OR 3M COMPANY.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL FIXTURES MUST BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY THE GENERAL CONTRACTOR.
- PLUMBING CONTRACTOR TO COORDINATE WITH TENANT ON EXACT LOCATION OF ROUGH-INS.
- ALL MIXING VALVES SHALL BE SET TO PROVIDE WATER AT TEMPERATURES THAT COMPLY WITH ASSE 1070 STANDARDS FOR PERFORMANCE REQUIREMENTS FOR WATER TEMPERATURE LIMITING DEVICES.
- MATERIALS IN PLENUM SPACES SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE - DEVELOPED INDEX OF NOT MORE THAN 50 PER IMC 602.2.1.
- PLUMBING CONTRACTOR TO VERIFY INVERT OF ALL TIE-IN POINTS INDICATED ON PLAN PRIOR TO INSTALLATION. NOTIFY ARCHITECT IMMEDIATELY IF EXISTING INVERT WILL BE INSUFFICIENT.
- WHERE AIR ADMITTANCE VALVES SHALL BE INSTALLED, PRIOR TO INSTALLATION PERFORM TESTING REQUIRED BY SECTION 312 OF THE 2006 IPC.
- ALL PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
- TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
- ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
- PLUMBING CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
- WATER PIPING ROUTED ABOVE CEILINGS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION.
- ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER START-UP.
- INCLUDE THE COST IN BID TO USE LANDLORD'S ROOFER (AND ANY OTHER LANDLORD DESIGNATED CONTRACTORS) IF DIRECTED BY CONSTRUCTION MANAGER.

## PLUMBING FOOD SERVICE NOTES:

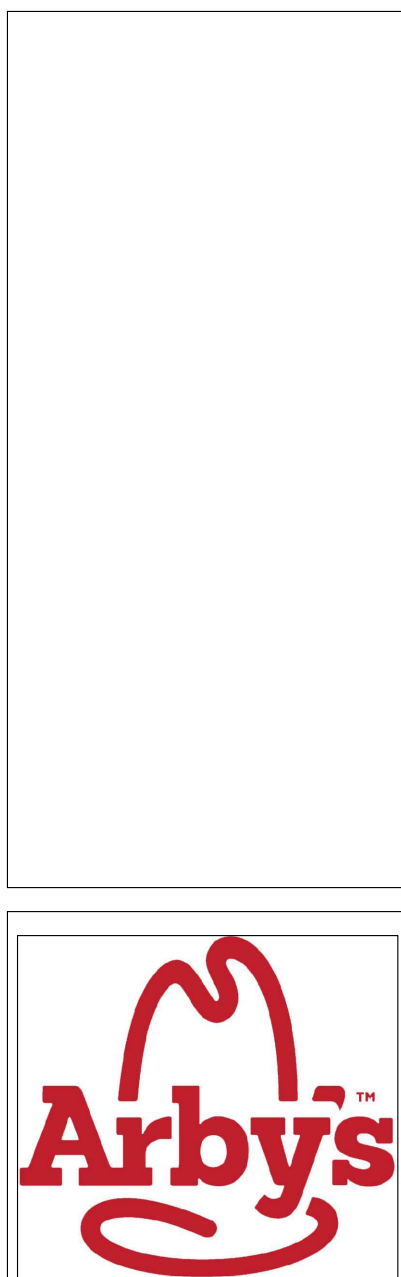
- FOOD SERVICE EQUIPMENT IS FURNISHED AND INSTALLED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR AS INDICATED BY FOOD SERVICE DOCUMENTATION INCLUDING UNDER SEPARATE CONTRACT WITH THE DESIGN DOCUMENTATION FOR THIS PROJECT. PLUMBING ACCESSORIES, INCLUDING FAUCETS, DRAINS, VALVES, PRESSURE/FLOW REGULATORS, FILTERS, ETC., IS FURNISHED LOOSE WITH THE FOOD SERVICE EQUIPMENT, FOR INSTALLATION AND FINAL CONNECTION BY THE PLUMBING CONTRACTOR, UNLESS INDICATED OTHERWISE.
- INSTALL FOOD SERVICE EQUIPMENT PIPING AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. SEE FOOD SERVICE DOCUMENTATION FOR SPECIFIC DIRECTION AT INDIVIDUAL ITEMS.
- SEE FOOD SERVICE DOCUMENTATION FOR ADDITIONAL INFORMATION PERTAINING TO FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENTS, INCLUDING UTILITIES REQUIRED, CONNECTION SIZES AND ROUGH-IN LOCATIONS FOR SPECIFIC ITEMS (SUPPLY AND DRAIN). COORDINATE FINAL INSTALLATION WITH THE FOOD SERVICE EQUIPMENT AS ACTUALLY INSTALLED. LOCATIONS OF FLOOR DRAINS, FLOOR SINKS AND OTHER ASSEMBLIES UTILIZED FOR INDIRECT DRAINAGE FROM FOOD SERVICE EQUIPMENT, ARE TO BE DETERMINED FROM THE ARCHITECTURAL SLAB PLAN. THE PLUMBING CONTRACTOR SHALL EXTEND PIPING BELOW COUNTERS, IN CASEWORK OR STRUCTURE AS REQUIRED FROM DROP OR RISE POINTS INDICATED ON PLANS TO EQUIPMENT CONNECTION POINTS.
- ALL FOOD SERVICE EQUIPMENT INTERCONNECTING PIPING (SUPPLY AND DRAIN) IS FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR, UNLESS INDICATED OTHERWISE ON THESE OR THE FOOD SERVICE DRAWINGS. SEE FOOD SERVICE DRAWINGS FOR PIPING NOT SHOWN ON PLUMBING CONTRACT DRAWINGS, INCLUDING CONDENSATION DRAIN PIPING FROM REFRIGERATION EQUIPMENT. ALL DRAIN PIPING WITHIN REFRIGERATOR/FREEZER ENCLOSURES TO BE INSULATED AS SPECIFIED FOR DOMESTIC HOT WATER PIPING, TO A POINT 24" OUTSIDE OF ENCLOSURE. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE HEAT TRACING UNDERNEATH INSULATION FOR ENTIRE LENGTH OF DRAIN PIPING WITHIN WALK-IN FREEZER. COORDINATE INSTALLATION WITH FOOD SERVICE AND ELECTRICAL CONTRACTORS.
- WHERE WASTE LINES FROM FOOD SERVICE EQUIPMENT ARE INDICATED TO BE INDIRECTLY DISCHARGED TO THE SANITARY SYSTEM, A MINIMUM AIR GAP OF 2", OR TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE, SHALL BE MAINTAINED ABOVE THE FLOOD RIM OF THE DRAIN PER 'SAFE WASTE' REQUIREMENTS.
- PLUMBING SUPPLY PIPING (DHW, DCW, ETC.) SERVING FOOD SERVICE EQUIPMENT PROVIDED WITH SOLENOID VALVES OR OTHER QUICK-CLOSING DEVICES SHALL HAVE A SHOCK ABSORBER FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR AT THE TOP OF THE SUPPLY DROP OR BASE OF SUPPLY RISER INDICATED ON PLANS. MULTIPLE ITEMS SERVED BY A COMMON SUPPLY DROP OR RISE MAY BE SERVED BY A SINGLE SHOCK ABSORBER. SIZED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS FOR TYPE AND QUANTITY OF FIXTURES SERVED. WHERE QUICK CLOSING DEVICES SUPPLY PIPING IS FURNISHED WITH A BACKFLOW PREVENTER OR CHECK VALVE, THE SHOCK ABSORBER SHALL BE INSTALLED DOWNSTREAM SIDE OF THE BACKFLOW PREVENTER OR CHECK VALVE.
- WHERE A SINGLE PLUMBING SUPPLY DROP OR RISE SERVES MULTIPLE FOOD SERVICE ITEMS, VERIFY LOCATIONS AND SIZES OF INDIVIDUAL SUPPLY CONNECTIONS FROM THE FOOD SERVICE CONTRACT DRAWINGS. PROVIDE INDIVIDUAL SUPPLY BRANCHES TO EQUIPMENT, WITH STOP VALVES AS REQUIRED.
- EACH FOOD SERVICE FIXTURE AND/OR PIECE OF EQUIPMENT TO BE PROVIDED WITH INDIVIDUAL IN-LINE STOP VALVE IN EACH PLUMBING SUPPLY CONNECTED. NATURAL GAS STOPS TO BE A.G.A. LISTED TWO PIECE BALL VALVE WITH LEVER HANDLE.
- RUN PIPING CONCEALED WHENEVER POSSIBLE. IN STRUCTURE OR CASEWORK, SECURE PIPING TO STRUCTURE PROVIDED UNDER SEPARATE CONTRACT WITHIN CASEWORK (WHERE APPLICABLE) WITH COMPATIBLE FASTENERS PROVIDED BY THE PLUMBING CONTRACTOR.
- COORDINATE INSTALLATION OF ALL ITEMS AND VERIFY CONDITIONS IN ADVANCE WITH THE FOOD SERVICE FIXTURES/EQUIPMENT CONTRACTOR(S).
- GREASE BEARING DRAIN/WASTE PIPING FROM FIXTURES AND/OR EQUIPMENT TO INTERCEPTOR IS TO BE SLOPED AT A MINIMUM 1/4" PER LINEAR FOOT PER CODE REQUIREMENTS.
- INSULATE ALL HOT WATER AND ALL COLD WATER PIPING PER SPECIFICATIONS.
- COMPLY W/ LOCAL HEALTH DEPARTMENT REGULATIONS. OMIT ESCUTCHEONS IN FOOD SERVICE AREAS. SEAL PIPES NEATLY WITH GROUT AT WALL, FLOOR, OR CEILING PENETRATIONS. OMIT INSULATION ON EXPOSED PIPING BEHIND AND UNDER EQUIPMENT. PROVIDE CLEARANCE BEHIND AND UNDER EXPOSED PIPING AS REQUIRED BY HEALTH DEPARTMENT. WHEREVER POSSIBLE, INSTALL PIPING IN FOOD SERVICE AREAS CONCEALED. CONFORM TO HEALTH DEPARTMENT REQUIREMENTS FOR LOCATIONS OF FLOOR SINKS. NO EXPOSED PEX TUBING IF PEX TUBING IS USED.
- FURNISH ACCESS DOORS TO ALLOW ACCESS TO VALVES LOCATED ABOVE GYPSUM WALLBOARD CEILINGS OR ELSEWHERE AS REQUIRED OR SHOWN. COORDINATE THE LOCATION AND INSTALLATION OF ALL ACCESS DOORS WITH THE GENERAL TRADES CONTRACTOR.

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## CONSULTANTS



New Restaurant Conversion For:  
**Arby's - 1808 East Harding Street**  
Morrilton, Arkansas

## PROJECT NUMBER:

ISSUE	DATE
PRELIMINARY	12-14-2021
PERMIT	04-14-2022
REVISION	

## GENERAL INFORMATION - PLUMBING

## SHEET:

P0.0