

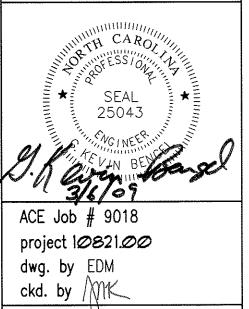
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OUTHRIDGE MARKET

issue date:
4 MAR 2009 - FOR PERMITS



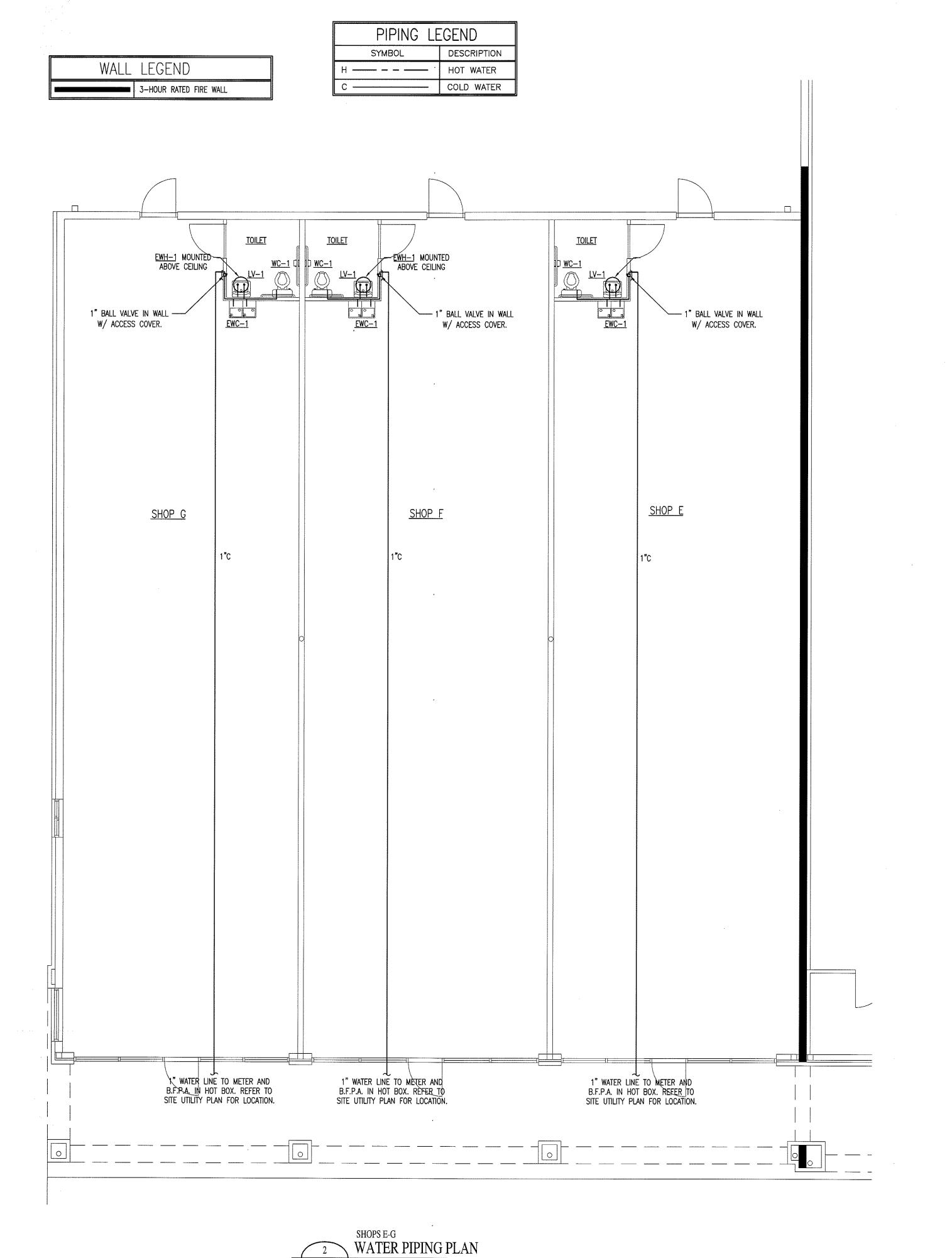
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RETAIL SHOPS
PLUMBING
PLAN

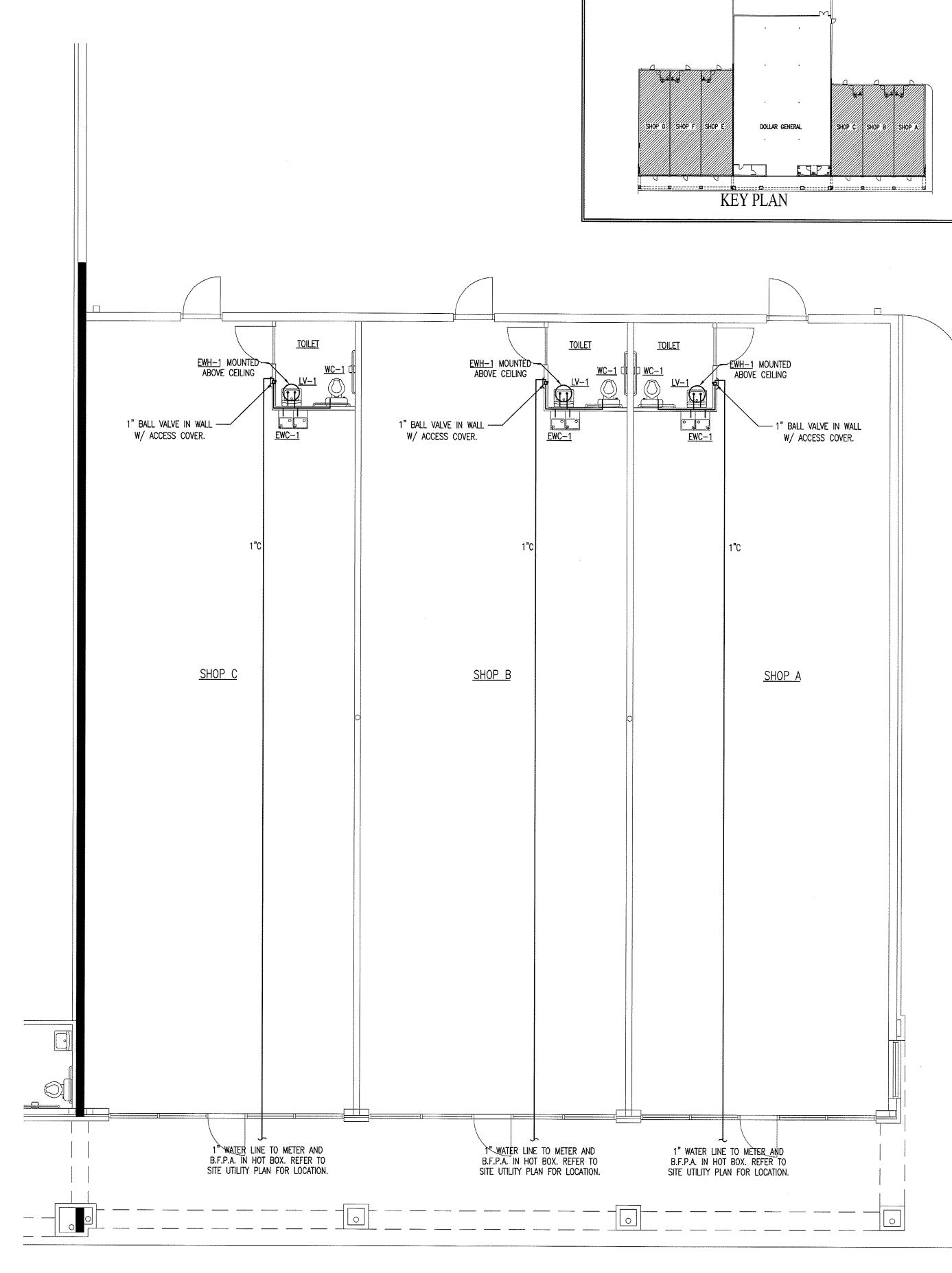
FOR CONSTRUCTION

sheet

p- {|



SCALE: 3/16" = 1'-0"





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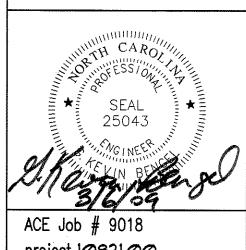


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SOUTHRIDGE MARKET

NORTH CAROLINA

issue date: 4 MAR 2009 - FOR PERMITS



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ckd. by

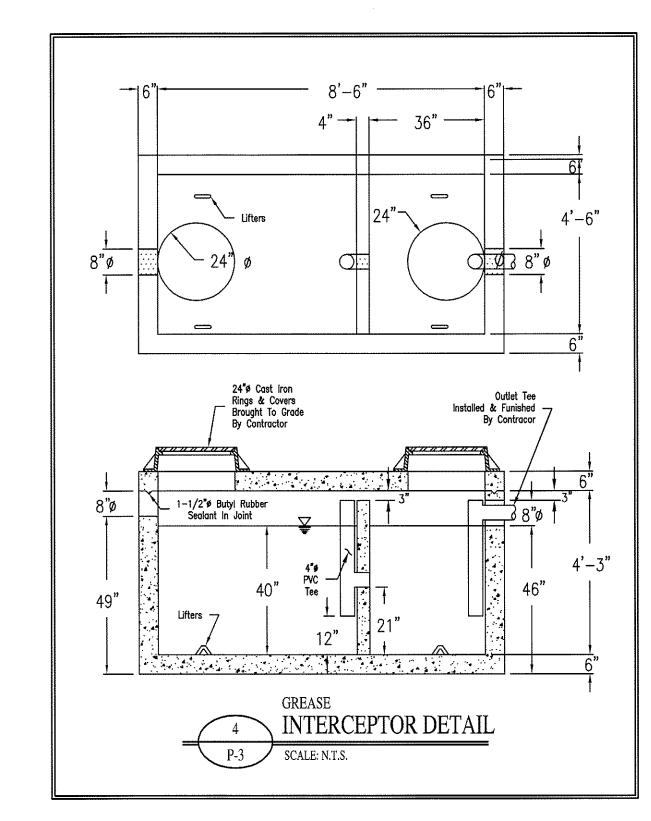
RETAIL SHOPS WATER PIPING PLAN

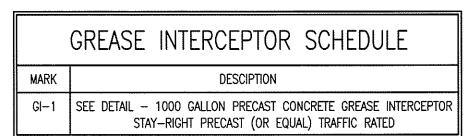
FOR CONSTRUCTION sheet

2 of 3

PLUMBING NOTES:

- 1. PLUMBING TO BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- 2. PLUMBING CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES.
- 3. ALL WASTE AND VENT PIPING TO BE SCHEDULE 40 P.V.C.
- 4. WATER LINES TO BE COPPER TYPE K (SOFT DRAWN) BELOW SLAB, AND TYPE L HARD COPPER ABOVE SLAB.
- 5. ALL P.V.C. UNDER SLAB SHALL BE A MINIMUM OF 2" NPS.
- 6. COPPER PIPING TO BE INSULATED WHERE IT PASSES THROUGH CONCRETE.
- 7. BACKFLOW PREVENTER ASSEMBLY (BFPA) TO BE LOCATED IN HOT BOX, SEE SITE UTILITY PLAN FOR LOCATION INSTALL EXPANSION TANK OR THERMAL EXPANSION VALVE UPSTREAM OF WATER HEATER.
- 8. PLUMBING CONTRACTOR SHALL (OR HAVE LOCAL MUNICIPALITY) PERFORM A WATER PRESSURE TEST. IF RESIDUAL WATER PRESSURE IS MORE THAN 60 PSI OR LESS THAN 35 PSI, CONTACT ENGINEER TO ASSESS NEED FOR A PRESSURE REDUCING VALVE (PRV) OR A PRESSURE BOOSTER SYSTEM.
- 9. INSULATE HOT & COLD WATER LINES IN ACCORDANCE WITH BUILDING CODE. INSULATE COLD WATER LINES WHERE SWEATING WOULD RESULT IN STRUCTURAL DAMAGE TO BUILDING DUE TO ROTTING OF WOOD OR STAINING OF CEILING THES
- 10. LAVATORIES ARE TO BE EQUIPPED WITH CLEAN-OUT TEES BELOW.
- 11. ALL FIXTURES ARE TO BE EQUIPPED WITH SHUT-OFF VALVES ON SUPPLY LINES.
- 12. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
- 13. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, WATER ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
- 14. PLANS AND ISOMETRICS ARE DIAGRAMMATIC. THERE IS NO INTENT TO INDICATE ALL AND FITTINGS REQUIRED. GENERALLY, PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO AND PLUMB WITH WALL CONSTRUCTION.
- 15. SOIL AND WASTE PIPING SHALL BE LAID ON MINIMUM 1/4" PER FT. SLOPE FOR PIPE SIZES LESS THAN 3", AND MINIMUM 1/8" PER FT. FOR PIPE 3" AND LARGER UNLESS OTHERWISE NOTED.
- 16. UNLESS OTHERWISE NOTED, PLUMBING CONTRACT SHALL TERMINATE AT A POINT FIVE (5) FEET OUTSIDE THE BUILDING. FOR WORK BY OTHER CONTRACTORS OUTSIDE THE 5 FOOT TERMINATION, REFER TO SITE UTILITY DRAWINGS.
- 17. VALVES AND DEVICES INSIDE CHASES OR WALLS OR ABOVE NON-ACCESIBLE CEILINGS SHALL BE PROVIDED WITH APPROPRIATELY SIZED ACCESS PANEL COMPATIBLE WITH SURROUNDING FINISHES. SUCH ACCESS PANELS SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR.
- 18. PLUMBING VENT PIPING PENETRATING ROOF SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. CUTTING OF HOLES AND FLASHING OF PENETRATIONS SHALL BE BY THE GENERAL CONTRACTOR.
- 19. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.





EQUAL OR LARGER INTERCEPTERS ARE ACCEPTABLE.

| | | | | | MI | NIMUM FA | CILITIES | CALCU | JLATION | S | | | | | | | |
|-----------------------------|----------------|----------------------|-------------|----------|----------|---------------|------------|---------|----------|---------|------------|-------------------|--------|---------|----------|---------|-------------|
| OCCUPANCY CLASSIFICATION | | SQ. FT. PER OCCUPANT | CALCULATED | | | | | | | | | FIXTURES PROVIDED | | | | | |
| | | | | | | WATER CLOSETS | LAVATORIES | | SHOWERS/ | | | | | 1 | SHOWERS/ | | G FOUNTAINS |
| (PER TABLE 403.1) | SQUARE FOOTAGE | (PER TABLE 1004.1.2) | # OF PEOPLE | MEN | WOMEN | UNISEX | UNISEX | URINALS | TUBS | REGULAR | ACCESSIBLE | UNISEX | UNISEX | URINALS | TUBS | REGULAR | ACCESSIBLE |
| MERCENTILE (SHOPS G-E) | 1,554 | 30 GROSS | 52 | 26 (50%) | 26 (50%) | *1 | *1 | _ | | 1 | 1 | * 1 | * 1 | | | 1 | 1 |
| MERCENTILE (SHOPS A-C) | 1,337 | 30 GROSS | 46 | 23 (50%) | 23 (50%) | *1 | *1 | | _ | 1 | 1 | * 1 | * 1 | _ | | 1 | 1 |

^{*} PER SECTION 403.2, EXCEPTION 4 OF THE N.C. PLUMBING CODE, ONE LOCKABLE TOILET ROOM IS ACCEPTABLE.

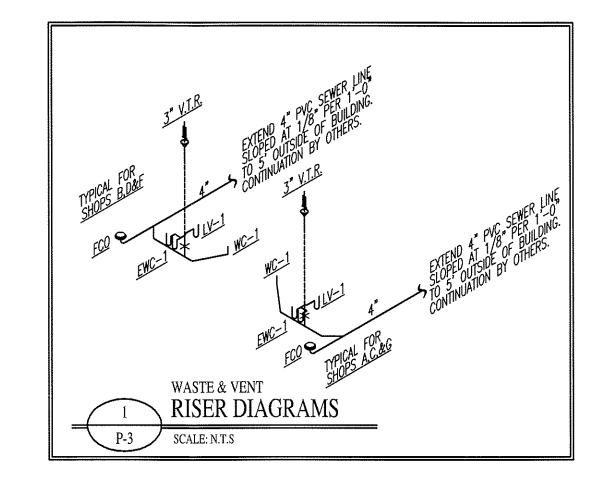
| | | | PLUMBING | FIXT | JRE | SCH | EDUL | E |
|-------------|----------------------------------|--------------|-------------|------|-------|------------|--------|--------------------------------------------|
| ITEM NO | CIVILIDE OCCODIDITION | MANUFACTURER | * MODEL NO. | | CONNE | ction sizi | S | REMARKS |
| item no. | FIXTURE DESCRIPTION | | | C.W. | H.W. | WASTE | VENT | I/EWAI/V? |
| EWC-1 | ELECTRIC WATER COOLER - BI-LEVEL | SUNROC | ADAD8BL | 1/2" | | 1-1/2" | 1-1/2" | BI-LEVEL WATER COOLER |
| <u>WC-1</u> | WATER CLOSET — TANK TYPE | AMER. STD. | 2998.012 | 1/2" | | 4" | 2" | FLOOR MTD. 1.6 GAL/FLUSH, H.C. HEIGHT |
| <u>LV-1</u> | WALL HUNG LAVATORY | AMER. STD. | 0355.012 | 1/2" | 1/2" | 1-1/2" | 1-1/2" | SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS |

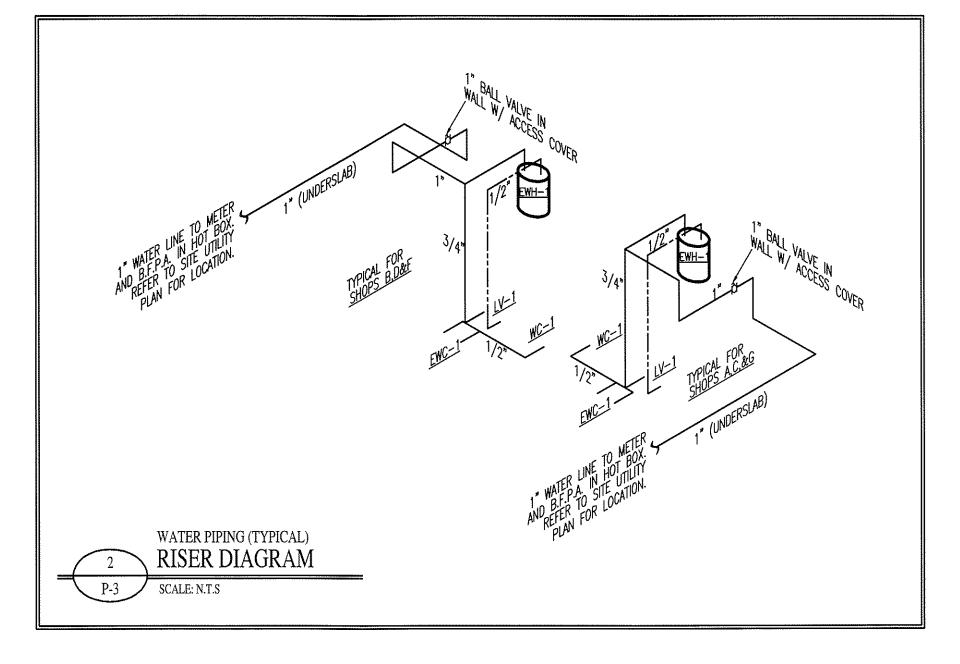
^{*} FIXTURE MODEL NUMBERS LISTED ARE FOR DESCRIPTION ONLY.

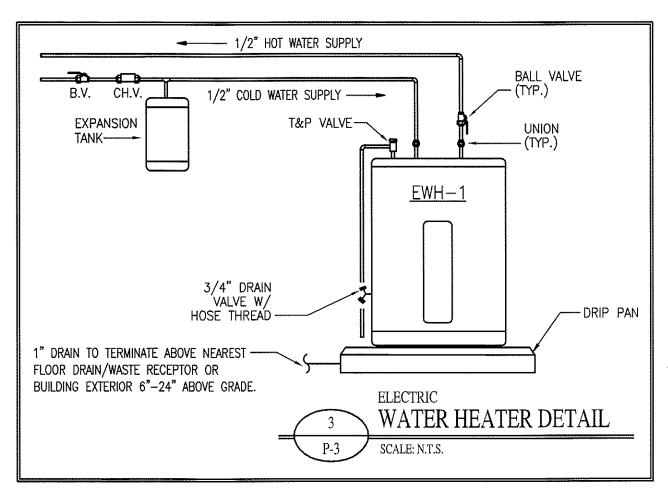
| | | WA | ASTE AND | WATER | CALCULA | TIONS | | | | |
|---------------------|----------|---------------------|----------|-------------|---------------|------------|---------------|---------------------------|-------|--|
| | OHANTITY | WASTE FIXTURE UNITS | | HOT WATER I | FIXTURE UNITS | COLD WATER | FIXTURE UNITS | TOTAL WATER FIXTURE UNITS | | |
| FIXTURE TYPE | QUANTITY | PER UNIT | TOTAL | PER UNIT | TOTAL | PER UNIT | TOTAL | PER UNIT | TOTAL | |
| WATER CLOSET - TANK | 1 | 4 | 4 | 0 | | 5 | 5 | 5 | 5 | |
| LAVATORY | 1 | 1 | 1 | 1.5 | 1.5 | 1.5 | 1.5 | 2 | 2 | |
| DRINKING FOUNTAIN | 2 | 0.5 | 1 | 0 | | 0.25 | 0.5 | 0.25 | 0.5 | |
| TOTAL | | | 6 | | 1.5 | | 7 | | 7.5 | |

^{1. 4&}quot; WASTE LINE SLOPED AT 1/8" PER 1'-0" IS ADEQUATE FOR 180 FIXTURE UNITS
2. 1" WATER LINE IS ADEQUATE FOR 23 GPM.

 $\mathsf{GPM} = 12.3$

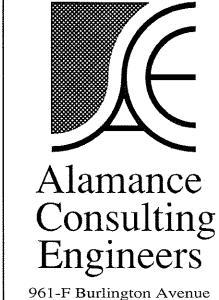






| WATER HEATER SCHEDULE | | | | | | | | | | |
|-----------------------|---------------|-------|----------------------------------|------|---------|--------------|--------|--|--|--|
| MARK | TANK RECOVERY | | TEMPERATURE ELEMENT RISE SIZE | | POWER | MANUFACTURER | MODEL | | | |
| <u>EWH-1</u> | 6 GAL. | 8 GPH | 100 | 2 KW | 120V/1ø | RHEEM | 81VP6S | | | |

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JTHRIDGE MARKET 5416 ROCK QUARRY ROAD

NOF

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RETAIL SHOPS
PLUMBING
NOTES & DETAILS

FOR CONSTRUCTION

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