PLUMBING SYMBOL & ABBREVIATIONS SYMBOLS: **ABBREVIATIONS** COLD WATER PIPING ABOVE FINISHED FLOOR CATCH BASIN HOT WATER PIPING CONDENSATE DRAIN HOT WATER RETURN PIPING CUBIC FEET PER HOUR CLEANOUT SANITARY WASTE PIPING CONTINUATION DOMESTIC COLD WATER ---- | SANITARY WASTE VENT PIPING DOWN

——CD*—* CONDENSATE DRAIN DOWNSPOUT DRAWING —— G —— GAS PIPING ELEVATION EXIST EXISTING —— GR —— KITCHEN WASTE (GREASE) DEGREE FAHRENHEIT —— ST —— STORM FLOOR DRAIN FLOOR SINK —(M)—— WATER METER GALLONS PER HOUR HOSE BIBB WITH VACUUM BREAKER GPM GALLONS PER MINUTE PLAN VIEW) (ISOMETRIC) GATE VALVE HOSE BIBB CLEANOUT PLUG HUB DRAIN wcoll—O WALL CLEANOUT FLOOR CLEANOUT FLOOR DRAIN CATCH BASIN KILOWATT POUNDS FLOOR SINK MANHOLF \bigcirc FIXTURE ARM WITH VENT CONNECT TO EXISTING NTS VALVE IN PVC VALVE BOX OFST PRV **---**--|

BUTTERFLY VALVE

BALANCING VALVE

VALVE IN RISE

GAS COCK

BUSHING

CAP

GAS COCK IN RISE

BALANCING COCK

DIRECTION OF FLOW

CONNECTION, TOP

CONNECTION, BOTTOM

CONNECTION, BOTTOM

TEE, TURNED DOWN

TEE, TURNED UP

CROSS

ELBOW, 90°

ELBOW, 45°

ELBOW, TURNED DOWN

REDUCER, CONCENTRIC

SAFETY RELIEF VALVE

PREVENTER W/ STRAINER

REDUCED PRESSURE BACKFLOW

DENOTES CONNECT TO EXISTING

PIPING SYSTEM LOCATED IN WALL

ELBOW, TURNED UP

CHECK VALVE (SWING)

PRESSURE REDUCING VALVE

SOLENOID OPERATED VALVE

GAS PRESSURE REGULATOR

BALL VALVE

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EXISTING PIPING-

DOMESTIC HOT WATER DOMESTIC HOT WATER RECIRCULATING INVERT ELEVATION INDIRECT WASTE NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NOT TO SCALE OUTSIDE DIAMETER OVERFLOW STORM DRAIN PRESSURE REDUCING VALVE PRESSURE PER SQUARE INCH POLYVINYL CHLORIDE PIPE ROOF DRAIN REDUCED PRESSURE BACKFLOW PREVENTOR SANITARY SILL COCK STORM DRAIN SQUARE FEET SHEET STORM SOFT COLD WATER TRAP PRIMER VFNT

VACUUM

VELOCITY

WATFR

VACUUM CLEANING

VENT THRU ROOF

RPBP

WTR

THE OWNER. FAILURE TO MAKE REFERENCES IN THE SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL REQUIRED IN ALL.

7. WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SCAFFOLDING, SERVICES, SUPERVISION, PLANT, AND PERFORMING ALL OPERATIONS REQUIRED TO PROPERLY COMPLETE ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS AND AS INDICATED ON THE APPLICABLE DRAWINGS, SUBJECT TO TERMS AND CONDITIONS OF THE CONTRACT. THE CONTRACTOR IS REQUIRED TO HAVE A QUALIFIED AND EXPERIENCED GENERAL SUPERINTENDENT AND EXPERIENCED SUPERINTENDENT FOR EACH TRADE INVOLVED ON THE JOB WHEN ANY WORK IS IN PROGRESS. ALL WORK SHALL CONFORM WITH ALL LOCAL AND STATE ORDINANCES OR REGULATIONS GOVERNING THE INSTALLATION OF SUCH FQUIPMENT. IF WORK, AS LAID OUT. INDICATED OR SPECIFIED IS RECOGNIZED TO BE CONTRARY TO OR CONFLICTING WITH LOCAL ORDINANCES OR REGULATIONS, THE CONTRACTOR SHALL REPORT SAME TO THE ARCHITECT BEFORE SUBMITTING A BID. THE ARCHITECT WILL THEN ISSUE INSTRUCTIONS AS TO PROCEDURE. IF CONTRACTOR FAILS TO NOTIFY THE ARCHITECT OF CONFLICTS OR OMISSIONS NOTED ABOVE, ALL CHANGES REQUIRED TO COMPLY WITH ORDINANCES AND REGULATIONS SHALL BE MADE WITHOUT ADDITIONAL EXPENSE TO THE OWNER. 8. THE ESTABLISHED STANDARDS OF THE FOLLOWING

ORGANIZATIONS, AND INDIVIDUAL STANDARDS NAMED SHALL BE EXCEPT WHERE OTHERWISE SPECIFIED:

2. FLORIDA PLUMBING CODE, 2023 3. FLORIDA MECHANICAL CODE, 2023 4. NFPA 70, NATIONAL ELECTRICAL CODE, 2020

9. THE SUBMISSION OF A BID OR PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF/HERSELF WITH THE PLANS, SPECIFICATIONS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND OR LABOR DUE TO DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED, UNLESS DIFFICULTIES COULD NOT HAVE BEEN FORESEEN EVEN THOUGH PROPER EXAMINATION HAD BEEN MADE.

10. ALL POWER WIRING, RELAYS, PANELS, TRANSFORMERS, DISCONNECT SWITCHES WHICH MAY BE REQUIRED FOR ANY ELECTRICAL CONTRACTOR. ALL CONTROL WIRING, RELAYS, AND BY THE PLUMBING CONTRACTOR SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND PROVIDED BY UNDER THE PLUMBING

11. ALL FEES, PERMITS, TAPS, LICENSE, INSURANCE, AND BONDS SHALL BE PAID BY THIS CONTRACTOR FOR ALL RELATED WORK. 12. ALL CUTTING AND PATCHING SHALL BE DONE BY WORKMEN SKILLED IN THE TRADES INVOLVED. ALL CUTTING SHALL BE DONE IN SUCH A MANNER AS NOT TO ENDANGER OR DAMAGE FACILITIES. ALL PATCHING SHALL FINISH FLUSH AND SMOOTH

AND SHALL MATCH EXISTING ADJOINING SURFACES. 13. SEE GENERAL REQUIREMENTS FOR ELECTRICITY AND WATER. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL FUEL REQUIRED FOR THE OPERATION OF HIS/HER CONSTRUCTION EQUIPMENT. WATER WILL BE AVAILABLE AT THE SITE UNDER THE SCOPE OF THE UNDERGROUND UTILITIES CONTRACTOR. COORDINATE THE CONNECTIONS REQUIRED BY THE PLUMBING PLANS AND

14. ALL WORK AND MATERIALS SHALL BE WARRANTED (PARTS AND LABOR) FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER.

PLUMBING SPECIFICATIONS

GENERAL

1. ALL WORK SHALL COMPLY WITH THE ARCHITECTURAL GENERAL

CONDITIONS. SEE ARCHITECTURAL SPECIFICATIONS. 2. ALL PLUMBING WORK SHALL BE INSTALLED BY A MASTER PLUMBER CERTIFIED IN THE STATE OF FLORIDA, DEPARTMENT OF PROFESSIONAL REGULATION.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF OTHER TRADES. SEE ARCHITECTURAL DRAWINGS FOR A DESCRIPTION OF WORK AND SEQUENCE OF CONSTRUCTION. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC IN NATURE. THEY ARE, HOWEVER. AS ACCURATE AS SCALE PERMITS AND THE CONTRACTOR SHALL FOLLOW THEM AS CLOSELY AS POSSIBLE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CONDITIONS RELATING TO THE WORK IN THE FIELD PRIOR TO PROCEEDING WITH THE PLUMBING INSTALLATION. THE CONTRACTOR SHALL VERIFY ALL WALLS, PARTITIONS, AND STRUCTURAL SYSTEMS BEFORE INSTALLATION AND FABRICATION OF ANY FIXTURES OR PIPING SYSTEMS. ALL OFFSETS REQUIRED FOR INSTALLATION OF PIPING SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER SHALL BE THE SOLE INTERPRETER OF THE DRAWINGS INCLUDED

4. ALL MATERIALS SHALL BE NEW, USA MANUFACTURED AND OF BEST QUALITY AND SHALL BE THE PRODUCTS OF REPUTABLE MANUFACTURERS. MATERIALS AND EQUIPMENT SHALL BE PROPERLY STORED AND PROTECTED FROM THE WEATHER AT ALL TIMES DURING CONSTRUCTION TO PREVENT UNNECESSARY CORROSION AND FOULING. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER BY SKILLED AND COMPETENT PLUMBERS. ANY WORKER CONSIDERED INCOMPETENT OR UNFIT FOR WORK ON THIS CONSTRUCTION PROJECT SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR UNDER THE DIRECTION OF THE ENGINEER.

5. THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE SYSTEM OF SANITARY WASTE AND VENT PIPING COMPLYING WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, ETC., WHETHER FEDERAL, STATE OR LOCAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ANY PERMITS AND PAYING ANY FEES REQUIRED IN ORDER TO PROCEED WITH THE WORK.

6. THE CONTRACTOR IS REQUIRED TO ATTEND ALL CONSTRUCTION CONFERENCES INCLUDING A PRE-BID CONFERENCE(IF SCHEDULED), AND THE OWNER'S PROGRESS MEETINGS AS SCHEDULED BY THE SPECIFICATIONS TO ANY ITEMS OF THE WORK SHOWN BY THE DRAWINGS, AND NECESSARY TO THE COMPLETION OF THE WORK RESPONSIBILITY TO FURNISH THE MATERIALS AND PERFORM THE WORK OF SUCH ITEMS, IN A MANNER COMPARABLE TO OTHER ITEMS OF SIMILAR NATURE FOR WHICH DETAILED SPECIFICATIONS ARE INCLUDED. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CLEARLY SET FORTH ALL WORK, AND THE DETAILED DESCRIPTION IS ADDED TO ASSIST IN ESTABLISHING THE SCOPE AND THE LOCATION OF THE SEVERAL PARTS OF THE WORK. COLLECTIVELY, THEY SHALL GOVERN AND CONTROL THE SCOPE CHARACTER AND DESIGN OF THE WORK, AND ANY ITEM CALLED FOR IN ANY ONE OF THE DOCUMENTS SHALL BE AS THOUGH

FOLLOWED THE SAME AS IF THEY WERE FULLY WRITTEN HEREIN AND CONSTITUTE A PART OF THE SPECIFICATION REQUIREMENTS

1. FLORIDA BUILDING CODE, 2023 (8TH EDITION)

PLUMBING EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE PANELS REQUIRED FOR ANY EQUIPMENT FURNISHED AND INSTALLED SECTION. ALL MOTOR STARTERS REQUIRED FOR MOTORS INCLUDED FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR WITH THE REQUIRED EQUIPMENT. ALL STARTERS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.

1. ALL PIPE SIZES SHOWN ARE AMERICAN STANDARD NOMINAL PIPE DIMENSIONS.

2. ALL SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC DWV PIPING.

3. DOMESTIC HOT WATER AND COLD WATER PIPING SHALL BE TYPE L COPPER WATER PIPE ABOVE GRADE AND TYPE K COPPER BELOW GRADE. FITTINGS SHALL BE WROT COPPER SOLDER JOINT FITTINGS. ALL COPPER FITTINGS UNDERGROUND SHALL BE SILVER SOLDERED WITH 15 PERCENT SILVER SOLDER.

4. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT LOCATION OF ALL PIPING FITTINGS AND OFFSETS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL OFFSETS AND FITTINGS FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AROUND EQUIPMENT. THE CONTRACTOR SHALL VERIFY ALL STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND OBSTRUCTIONS AND ROUTE PIPING TO AVOID ANY INTERFERENCES.

5. ALL SANITARY WASTE LINES SHALL BE INSTALLED AS SHOWN OR AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SANITARY WASTE PIPING AND WATER LINES MAY ENTER THE STRUCTURE FROM DIRECTIONS THAT DIFFER FROM THE DRAWINGS. MAKE ALL NECESSARY CHANGES AS DIRECTED BY THE OWNER.

6. INSTALL ALL PIPING HIGH AS POSSIBLE, WITHIN WALLS OR IN CHASES, EXCEPT AS SPECIFICALLY NOTED. PATCH ALL EXISTING SURFACES DISTURBED TO MATCH ADJACENT SURFACES. WORK TO BE DONE ONLY BY WORKMAN SKILLED IN THE TRADE INVOLVED AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

7. ALL CONCEALED PIPING IN CHASE AREAS SHALL BE SUPPORTED WITH A PIPING SUPPORT SYSTEM, SUMNER POSIFIX, STAKFIX AND CHANNEL OR APPROVED EQUAL.

8. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL WHEN REQUIRED BY CODE AN AIR GAP SERVING INDIVIDUAL FIXTURES, DEVICES. APPLIANCES OR APPARATUS.

9. ALL SANITARY WASTELLINES ARE UNDER FLOOR SLAB. ALL VENT LINES AND WATER LINES ARE ABOVE CEILING UNLESS NOTED OTHERWISE.

10. FLOOR DRAIN TRAPS SHALL BE DEEP SEAL (MIN. 4"). FURNISH AND INSTALL TRAP PRIMERS.

11. PLUMBING CONTRACTOR TO PROVIDE ALL SANITARY WASTE, VENT AND, DOMESTIC WATER PIPING ROUGH-IN AND MAKE FINAL CONNECTIONS (INCLUDING SUPPLYING AND INSTALLING ALL NECESSARY RELATED STOPS, VALVES, TRAPS, ETC., AND MAKING READY FOR USE) TO ALL EQUIPMENT WHETHER FURNISHED BY THIS CONTRACTOR OR FURNISHED BY OTHERS.

12. INSTALL EXPOSED PIPING AT RIGHT ANGLES OR PARALLEL

TO BUILDING WALLS. DIAGONAL RUNS ARE NOT PERMITTED UNLESS EXPRESSLY INDICATED. 13. INSTALL PIPING FREE OF SAGS OR BENDS AND WITH AMPLE

SPACE BETWEEN PIPING TO PERMIT PROPER INSULATION APPLICATIONS.

14. CONCEAL ALL PIPE INSTALLATIONS IN WALLS, PIPE CHASES, UTILITY SPACES, ABOVE CEILINGS, BELOW GRADE OR FLOORS, UNLESS INDICATED TO BE EXPOSED TO VIEW.

15. INSTALL PIPING TIGHT TO SLABS, BEAMS, JOISTS, COLUMNS, WALLS. AND OTHER PERMANENT ELEMENTS OF THE BUILDING. PROVIDE SPACE TO PERMIT INSULATION APPLICATIONS. WITH 1INCH CLEARANCE OUTSIDE THE INSULATION. ALLOW SUFFICIENT SPACE ABOVE REMOVABLE CEILING PANELS TO ALLOW FOR PANEL REMOVAL LOCATE CROLLES OF PIPES PARALLEL TO EACH OTHER, SPACED TO PERMIT APPLYING FULL INSULATION AND SERVICING OF VALVES.

16. FIRE BARRIER PENETRATIONS: WHERE PIPES PASS THOUGH FIRE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS, MAINTAIN THE FIRE RATED INTEGRITY, REFER TO ARCHITECTURAL FOR RATED BARRIERS SPECIAL SEALERS AND MATERIALS. NOTE: BUILDING STRUCTURE IS PROTECTED BY RATED BARRIER. ALL PIPE SUPPORTS PENETRATING BARRIER MUST BE FIRE SEALED. COORDINATE

17. ALL DOMESTIC WATER PIPING SHALL BE INSULATED WITH 2 THICKNESS ARMAFLEX PIPE INSULATION.

FIXTURES

WORK WITH OTHER DISCIPLINES.

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS AND MOUNTING HEIGHTS. COMPLY WITH ADA RULES FOR INSTALLATION DIMENSIONS. COMPLY WITH MANUFACTURER'S STANDARDS FOR HEIGHTS OF STANDARD FIXTURES.

2. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL WHEN REQUIRED BY CODE AN AIR GAP SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES OR APPARATUS.

3. PLUMBING CONTRACTOR TO PROVIDE ALL SANITARY WASTE, VENT AND, DOMESTIC WATER PIPING ROUGH-IN AND MAKE FINAL CONNECTIONS (INCLUDING SUPPLYING AND INSTALLING ALL NECESSARY RELATED STOPS, VALVES, TRAPS, ETC., AND MAKING READY FOR USE) TO ALL EQUIPMENT WHETHER FURNISHED BY THIS CONTRACTOR OR FURNISHED BY OTHERS.

4. FURNISH AND INSTALL TRAP PRIMERS EQUAL TO PRECISION PLUMBING PRODUCTS PRIME—RITE WITH DISTRIBUTION UNITS. 5. INSTALL PLUMBING FIXTURES LEVEL AND PLUMB, IN ACCORDANCE WITH FIXTURE MANUFACTURERS' WRITTEN INSTALLATION INSTRUCTIONS, ROUGHING- IN DRAWINGS, AND REFERENCED

STANDARDS. 6. INSTALL FLOOR-MOUNTED, FLOOR-OUTLET WATER CLOSETS WITH CLOSET FLANGES AND GASKET SEALS. INSTALL WALL-HANGING, BACK-OUTLET URINALS WITH GASKET

7. FASTEN WALL-HANGING PLUMBING FIXTURES SECURELY TO SUPPORTS ATTACHED TO BUILDING SUBSTRATE WHEN SUPPORTS ARE SPECIFIED, AND TO BUILDING WALL CONSTRUCTION WHERE NO SUPPORT IS INDICATED.

8. FASTEN FLOOR-MOUNTED FIXTURES AND SPECIAL FIXTURES HAVING HOLES FOR SECURING FIXTURE TO WALL CONSTRUCTION, TO REINFORCEMENT BUILT INTO WALLS.

9. FASTEN WALL-MOUNTED FITTINGS TO REINFORCEMENT BUILT INTO

10. FASTEN COUNTER-MOUNTING-TYPE PLUMBING FIXTURES TO

11. SECURE SUPPLIES BEHIND WALL OR WITHIN WALL PIPE SPACE, PROVIDING RIGID INSTALLATION. 12. INSTALL STOP VALVE IN AN ACCESSIBLE LOCATION IN EACH

WATER SUPPLY TO EACH FIXTURE. 13. INSTALL TRAP ON FIXTURE OUTLET EXCEPT FOR FIXTURES HAVING INTEGRAL TRAP.

14. INSTALL ESCUTCHEONS AT EACH WALL, FLOOR, AND CEILING PENETRATION IN EXPOSED FINISHED LOCATIONS AND WITHIN CABINETS AND MILLWORK. USE DEEP PATTERN ESCUTCHEONS WHERE REQUIRED TO CONCEAL PROTRUDING PIPE FITTINGS.

SANITARY WASTE AND VENT 1. USE FITTINGS FOR ALL CHANGES IN DIRECTION AND ALL BRANCH CONNECTIONS.

2. INSTALL EXPOSED PIPING AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE NOT PERMITTED, UNLESS EXPRESSLY INDICATED.

3. INSTALL PIPING FREE OF SAGS OR BENDS AND WITH AMPLE SPACE BETWEEN PIPING TO PERMIT PROPER INSULATION APPLICATIONS.

4. CONCEAL ALL PIPE INSTALLATIONS IN WALLS, PIPE CHASES, UTILITY SPACES, ABOVE CEILINGS, BELOW GRADE OR FLOORS, UNLESS INDICATED TO BE EXPOSED TO VIEW.

5. INSTALL PIPING TIGHT TO SLABS, BEAMS, JOISTS, COLUMNS, WALLS. AND OTHER PERMANENT ELEMENTS OF THE BUILDING. ALLOW SUFFICIENT SPACE ABOVE REMOVABLE CEILING PANELS TO ALLOW FOR PANEL REMOVAL.

6. FIRE BARRIER PENETRATIONS: WHERE PIPES PASS THROUGH FIRE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS, MAINTAIN THE FIRE RATED INTEGRITY.

7. MAKE CHANGES IN DIRECTION FOR DRAINAGE AND VENT PIPING USING APPROPRIATE 45 DEGREE WYES, HALF WYES, OR LONG SWEEP QUARTER, SIXTH, EIGHTH, OR SIXTEENTH BENDS. SANITARY TEES OR SHORT QUARTER BENDS MAY BE USED ON VERTICAL STACKS OF DRAINAGE LINES WHERE THE CHANGE IN DIRECTION OF FLOW IS FROM HORIZONTAL TO VERTICAL, EXCEP USE LONG TURN TEES WHERE TWO FIXTURES ARE INSTALLED BACK TO BACK AND HAVE A COMMON DRAIN. STRAIGHT TEES, ELBOWS, AND CROSSES MAY BE USED ON VENT LINES. NO CHANGE IN DIRECTION OF FLOW GREATER THAN 90 DEGREES SHALL BE MADE. WHERE DIFFERENT SIZES OF DRAINAGE PIPES AND FITTINGS ARE CONNECTED, USE PROPER SIZE, STANDARD INCREASERS AND REDUCERS. REDUCTION OF THE SIZE OF DRAINAGE PIPING IN THE DIRECTION OF FLOW IS PROHIBITED.

8. INSTALL BUILDING DRAIN PITCHED DOWN AT MINIMUM SLOPE OF 1/4 INCH PER FOOT (2 PERCENT) FOR PIPING 3 INCH AND SMALLER, AND 1/8 INCH PER FOOT (1 PERCENT) FOR PIPING 4 INCH AND LARGER.

9. ABOVE GROUND CLEANOUTS: INSTALL IN ABOVE GROUND PIPING AND BUILDING DRAIN PIPING AS INDICATED, AND: AS REQUIRED BY PLUMBING CODE; AT EACH CHANGE IN DIRECTION OF PIPING GREATER THAN 45 DEGREES; AT MINIMUM INTERVALS OF 50' FOR PIPING 4" AND SMALLER AND 100' FOR LARGER PIPING; AT BASE OF EACH VERTICAL SOIL OR WASTE STACK. CLEANOUTS COVERS: INSTALL FLOOR AND WALL CLEANOUT COVERS FOR CONCEALED PIPING, TYPES AS INDICATED.

10. INSTALL FLOOR DRAINS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND IN LOCATIONS INDICATED.

AREAS TO BE DRAINED, OR AS INDICATED. SET TOPS OF DRAINS FLUSH WITH FINISHED FLOOR.

11. INSTALL FLOOR DRAINS AT LOW POINTS OF SURFACE

12. SET DRAIN FLEVATION DEPRESSED BELOW FINISHED SLAB ELEVATION AS LISTED BELOW TO PROVIDE PROPER SLOPE TO

13. PIPING RUNOUTS TO FIXTURES: PROVIDE DRAINAGE AND VENT PIPING RUNOUTS TO PLUMBING FIXTURES AND DRAINS, WITH APPROVED TRAP, OF SIZES INDICATED; BUT IN NO CASE SMALLER THAN REQUIRED BY THE PLUMBING CODE.

14. LOCATE PIPING RUNOUTS AS CLOSE AS POSSIBLE TO BOTTOM OF FLOOR SLAB SUPPORTING FIXTURES OR DRAINS.

15. DO NOT ENCLOSE, OR PUT INTO OPERATION DRAINAGE AND VENT PIPING SYSTEM UNTIL IT HAS BEEN INSPECTED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.

16. DURING THE PROGRESS OF THE INSTALLATION, NOTIFY THE PLUMBING OFFICIAL HAVING JURISDICTION, AT LEAST 24 HOURS PRIOR TO THE TIME SUCH INSPECTION MUST BE MADE. PERFORM TESTS SPECIFIED BELOW IN THE PRESENCE OF THE PLUMBING OFFICIAL.

17. ROUGH IN INSPECTION: ARRANGE FOR INSPECTION OF THE PIPING SYSTEM BEFORE CONCEALED OR CLOSED-IN AFTER SYSTEM IS ROUGHED IN, AND PRIOR TO SETTING FIXTURES.

18. FINAL INSPECTION: ARRANGE FOR A FINAL INSPECTION BY THE PLUMBING OFFICIAL TO OBSERVE THE TESTS SPECIFIED BELOW AND TO INSURE COMPLIANCE WITH THE REQUIREMENTS OF THE PLUMBING CODE.

19. REINSPECTIONS: WHENEVER THE PIPING SYSTEM FAILS TO PASS THE TEST OR INSPECTION, MAKE THE REQUIRED CORRECTIONS, AND ARRANGE FOR REINSPECTED BY THE PLUMBING OFFICIAL.

20. REPORTS: PREPARE INSPECTION REPORTS, SIGNED BY THE PLUMBING OFFICIAL.

21. PIPING SYSTEM TEST TEST DRAINAGE AND VENT SYSTEM IN ACCORDANCE WITH THE PROCEDURES OF THE AUTHORITY HAVING JURISDICTION, OR IN THE ABSENCE OF A PUBLISHED PROCEDURE, AS FOLLOWS:

22. TEST FOR LEAKS AND DEFECTS ALL NEW DRAINAGE AND VENT PIPING SYSTEMS AND PARTS OF EXISTING SYSTEMS, WHICH HAVE BEEN ALTERED, EXTENDED OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH A DIAGRAM OF THE PORTION OF THE SYSTEM TESTED.

23. LEAVE UNCONCEALED ALL NEW, ALTERED, EXTENDED, OR REPLACED DRAINAGE AND VENT PIPING UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE ALL SUCH WORK FOR TESTING, THAT HAS BEEN COVERED OR CONCEALED BEFORE IT HAS BEEN TESTED AND APPROVED.

24. ROUGH PLUMBING TEST PROCEDURE: EXCEPT FOR OUTSIDE LEADERS AND PERFORATED OR OPEN JOINTED DRAIN TILE. TEST THE PIPING OF PLUMBING DRAINAGE AND VENTING SYSTEMS UPON COMPLETION OF THE ROUGH PIPING INSTALLATION. TIGHTLY CLOSE ALL OPENINGS IN THE PIPING SYSTEM, AND FILL WITH WATER TO THE POINT OF OVERFLOW, BUT NOT LESS THAN 10 FEET HEAD OF WATER WATER LEVEL SHALL NOT DROP DURING THE PERIOD FROM 15 MINUTES BEFORE THE INSPECTION STARTS, THROUGH COMPLETION OF THE INSPECTION. INSPECT ALL JOINTS FOR

25. FINISHED PLUMBING TEST PROCEDURE: AFTER THE PLUMBING FIXTURES HAVE BEEN SET AND THEIR TRAPS FILLED WITH WATER, THEIR CONNECTIONS SHALL BE TESTED AND PROVED GAS AND WATERTIGHT.

26. REPAIR ALL LEAKS AND DEFECTS USING NEW MATERIALS AND RETEST SYSTEM OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED.

27. PREPARE REPORTS FOR ALL TESTS AND REQUIRED CORRECTIVE ACTION.

28. CLEAN INTERIOR OF PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES.

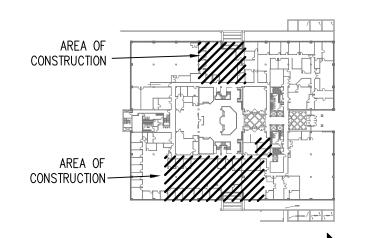
29. CLEAN DRAIN STRAINERS, DOMES, AND TRAPS. REMOVE DIRT AND DEBRIS.

30. PROTECT DRAINS DURING REMAINDER OF CONSTRUCTION

PERIOD, TO AVOID CLOGGING WITH DIRT AND DEBRIS, AND TO

PREVENT DAMAGE FROM TRAFFIC AND CONSTRUCTION WORK.

31. PLACE PLUGS IN ENDS OF UNCOMPLETED PIPING AT END OF DAY OR WHENEVER WORK STOPS.



KEY PLAN NOT TO SCALE



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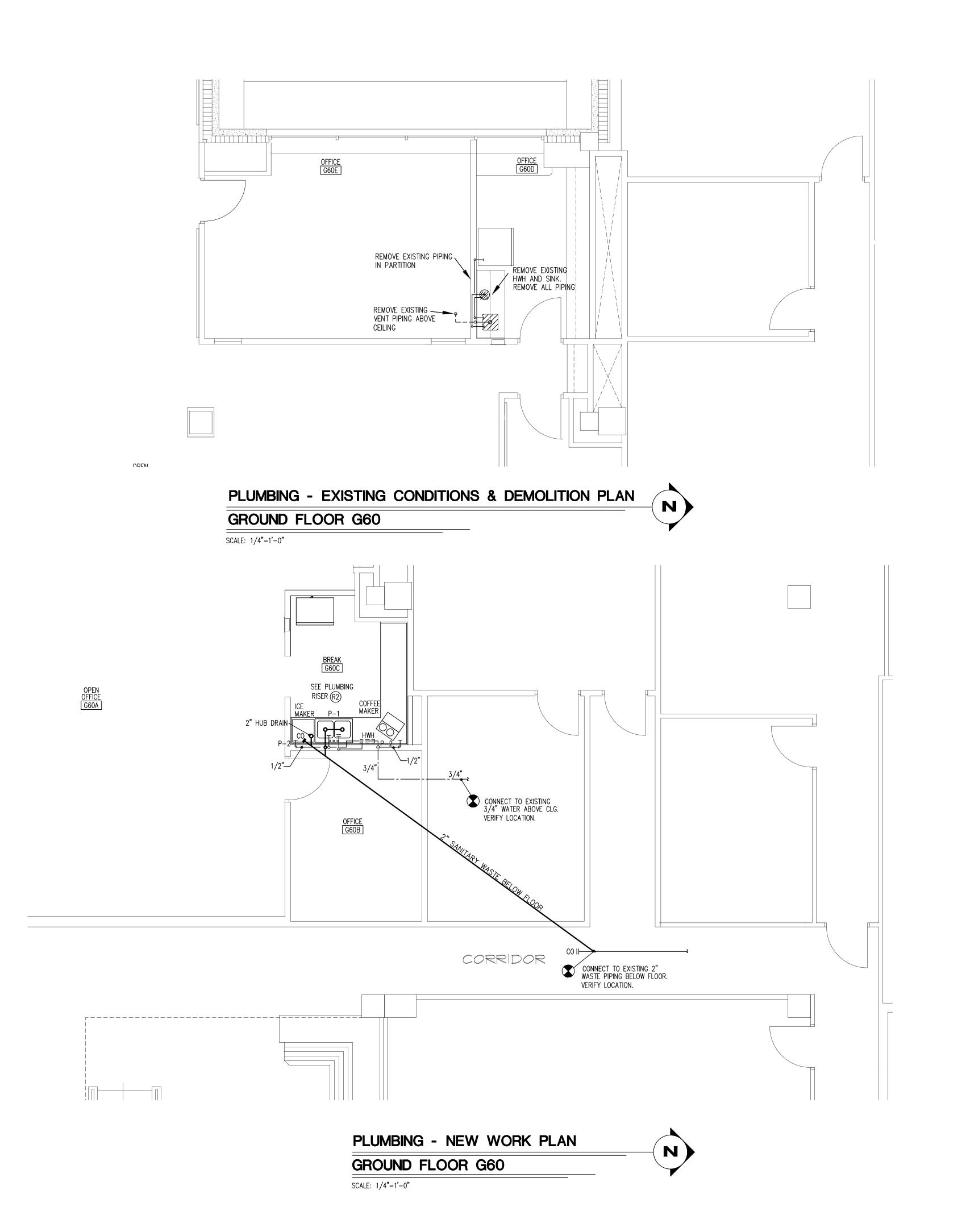
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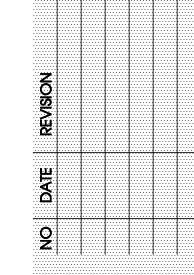
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John W. Nation AR 12778

OCT 1, 2024 PROJECT NO. DESIGNED BY DRAWN BY CHECKED BY

DWG. NO.





Hicks Nation

Architects Incorporated

Architecture
Programming
Planning

1382

Timberlane Road Suite C Tallahassee Fl

32312 850,893,1130

License Number AA COO 1403

OFFICE SUITE RENOVATIONS
JUND FLOOR PEPPER BUILDING
CAPITOL COMPLEX
TALLAHASSEE, FLORIDA

John W. Nation AR 12778

DATE
OCT 1, 2024
PROJECT NO.
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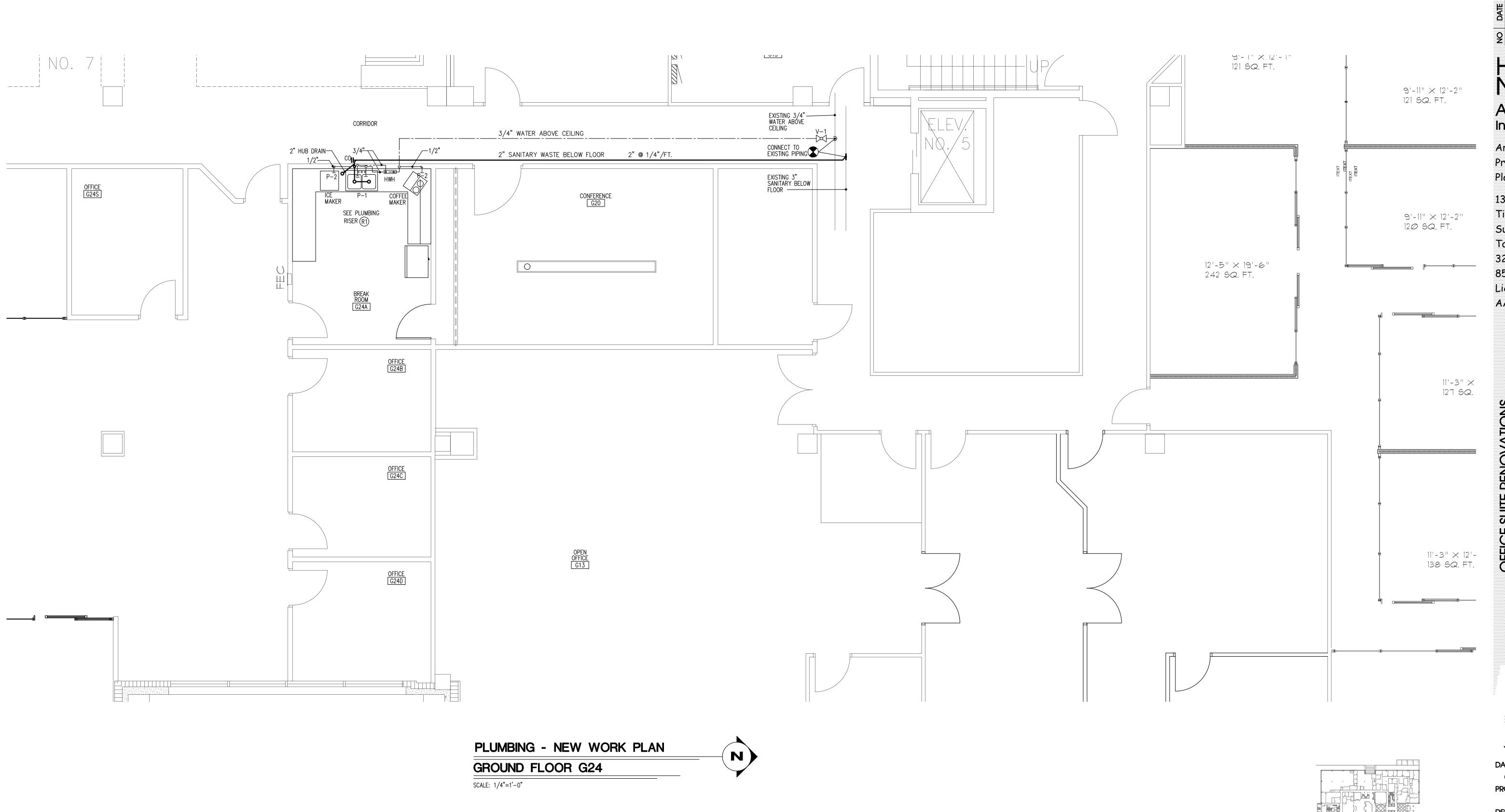
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Tallahassee Fl 32312 850,893,1130 License Numbe

License Number AA COO 1403

OND FLOOR PEPPER BUILDING
CAPITOL COMPLEX
TALLAHASSEE, FLORIDA
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John W. Nation AR 12778 DATE

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DATE
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PROJECT NO.
2400
DESIGNED BY
LMS

DRAWN BY

LMS

CHECKED BY

KEY PLAN

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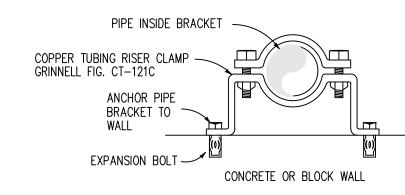
SHEET OF

PLUMBING FIXTURE SCHEDULE					
SYMBOL	FIXTURE TYPE	RUN-OUT SIZES			DESCRIPTION
		WASTE	CW	HW	DESCRIPTION
P-1	DOUBLE BOWL SINK	1½"	3/4"	3/4"	ELKAY ELU-1918 DOUBLE COMPARTMENT STAINLESS STEEL SINK, 18 GAUGE, UNDERMOUNT, FULL UNDERCOATED, 4" FAUCET CENTERS WITH EK5000 FAUCET, McGUIRE 17 GAUGE P-TRAP WITH CLEANOUT, ½" x ¾" ANGLE STOP AND RISER SUPPLIES (CHROME).
P-2	ANGLE STOP WALL BOX	I	1/2"	1/2"	IPS CORP. PLASTIC FITTING WALL BOX WITH 1/2" BRASS ANGLE STOP
НЖН	HOT WATER HEATER	-	1/2"	-	ELECTRIC HOT WATER HEATER, ECO—SMART MODEL POU 3.5 120V SINGLE PHASE, 3500 WATT ELEMENT, ½ GPM, 29 AMPS
V-1	BALL VALVE	-	3/4"	3/4"	APOLLO BRONZE BODY 2-PIECE BALL VALVE, LEAD FREE, STAINLESS STEEL BALL & STEM , SCREWED ENDS WITH UNION.

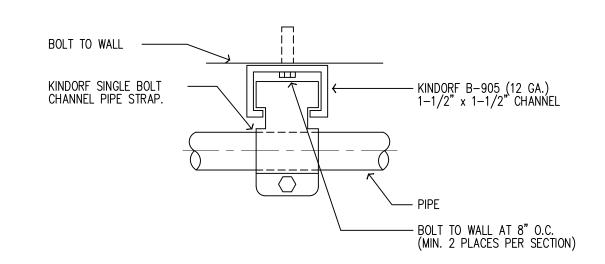
- 1. ALL FAUCETS, DRAINS, TRIM, AND FIXTURE ACCESSORIES SHALL HAVE A POLISHED CHROME FINISH UNLESS OTHERWISE INDICATED.
 2. ALL FIXTURES SHALL BE COMPLETE WITH FAUCETS, DRAINS, P-TRAPS, STOP VALVES, SUPPLY LINES
- 3. ALL FIXTURES SHALL BE WHITE UNLESS OTHERWISE INDICATED.4. ALL VALVES ARE PIPE LINE SIZE.

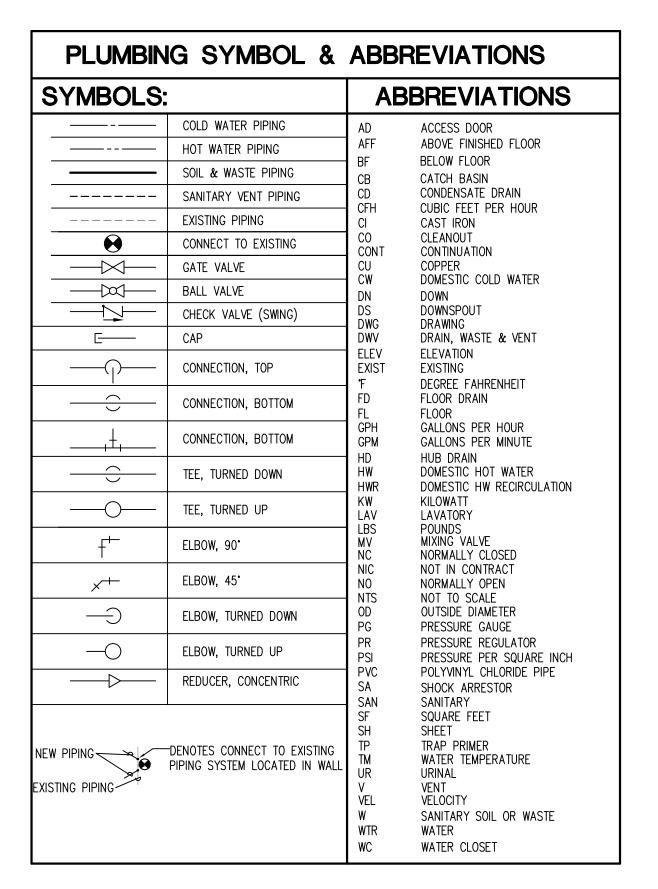
NOT TO SCALE

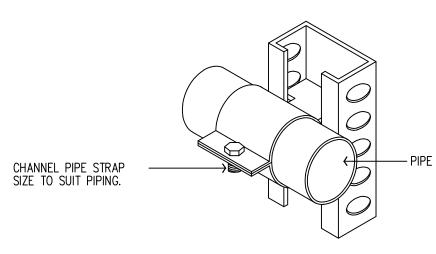
- 5. CONTRACTOR SHALL PROVIDE ALL PIPING, VALVES, FITTINGS, ETC. AS NECESSARY FOR COMPLETE SYSTEM.
- 6. ALL PLUMBING PIPES SHALL BE INSULATED WITH 3/4" ARMAFLEX AP PIPE INSULATION.



WALL SUPPORT DETAIL

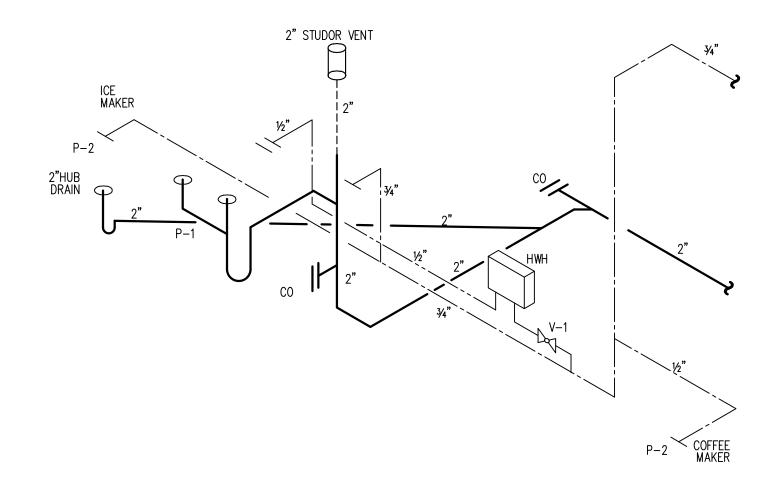




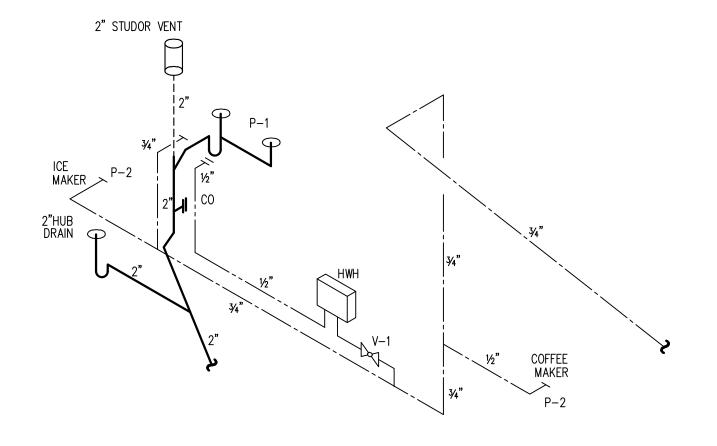


PIPE SUPPORY ON MASONRY WALL

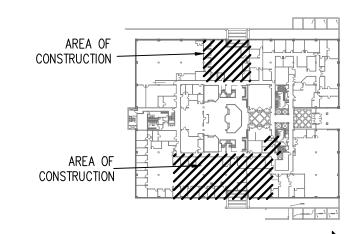
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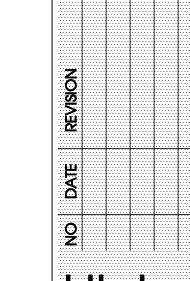












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OFFICE SUITE RENOVATIONS
SROUND FLOOR PEPPER BUILDING
CAPITOL COMPLEX
TALLAHASSEE, FLORIDA
DI IMBINIC DETAILS & SCHEDILIES

John W. Nation AR 12778

DATE
OCT 1, 2024
PROJECT NO.
2400
DESIGNED BY

LMS
DRAWN BY
LMS
CHECKED BY

CHA DWG. NO. P202

CUEET OF