PLUMBING NOTES: 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AND SHALL REPORT TO ENGINEER ANY DISCREPANCIES OR OMISSIONS THAT WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK. 2. IN THE EVENT OF ANY DISCREPANCY BETWEEN THE DEMOLITION PLAN AND THE CONSTRUCTION PLANS, CONSTRUCTION PLANS AND INTENT SHALL GOVERN. 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING WITH BUILDING MANAGEMENT FOR HANDLING MATERIALS, AS WELL AS FOR ALLOWABLE WORKING HOURS AND DELIVERIES. 4. PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH RESPECT TO OTHER TRADES, STRUCTURE AND CEILING HEIGHTS. CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECTURAL LAYOUTS, INCLUDING CEILING HEIGHTS. 5. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AND MANUFACTURERS' CUTS AND SAMPLES TO ARCHITECT PRIOR TO COMMENCEMENT OF SUCH WORK. 6. DRAWINGS ARE NOT TO BE SCALED. 7. CONTRACTOR SHALL COMPLY WITH ALL LOCAL BUILDING DEPARTMENT REGULATORY AGENCIES, BUILDING STANDARDS AND NEW YORK CODE REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS OF ALL TRADES. 8. CONTRACTOR SHALL CARRY AND DOCUMENT LIABILITY, ACCIDENT AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY COOPERATIVE CORPORATION AND OBSERVE THEIR PERMITTED HOURS FOR WORK. 9. CONTRACTOR SHALL EXERCISE EXTREME CARE IN PROTECTING AREAS ADJACENT TO CONSTRUCTION AREAS, SHALL FULLY PROTECT THEM FROM ANY DAMAGE RESULTING FROM CONTRACTOR'S WORKMEN, SUBCONTRACTORS OR AGENTS, AND SHALL BE RESPONSIBLE FOR REPAIRING, CLEANING OR REPLACING ANY SUCH DAMAGE. 10. ALL DIMENSIONS GIVEN ARE FINISH DIMENSIONS UNLESS OTHERWISE STATED. 11. UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, APPURTENANCES, EQUIPMENT AND SERVICES TO COMPLETE ALL WORK AS INDICATED ON DRAWINGS AND/OR SPECIFIED ON NOTES. 12. UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FOLLOW MANUFACTURERS' DIRECTIONS, INSTRUCTIONS AND RECOMMENDATIONS FOR ALL MATERIALS AND PROCESSES USED IN THIS CONTRACT. 13. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL COMPLETELY CLEAN THE CONSTRUCTION AREA SUITABLE FOR THE OWNER'S USE. 14. BUILDING DEPARTMENT APPROVED PLANS SHALL BE TURNED OVER TO OWNER AT THE COMPLETION OF THE JOB.

15. AT THE FINAL COMPLETION OF THE JOB, CONTRACTOR SHALL SUBMIT TO THE OWNER AND TO ENGINEER A NOTARIZED

16. VACUUM BREAKER AND RELATED PIPING SHALL BE INSTALLED BEHIND WALL; PROVIDE AN ACCESS PANEL TO THE

17. CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT FOR ONE YEAR, STARTING FROM

19. PLUMBING CONTRACTOR SHALL COORDINATE ALL FLOOR CORING SLEEVES AND FLOOR OPENINGS WITH STRUCTURAL

20. ALL EXPOSED PIPING PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PROVIDED WITH APPROPRIATE FIRE

21. THE CONTRACTOR MUST MAKE ALLOWANCE FOR NECESSARY MODIFICATIONS TO EXISTING CONDITIONS TO PERFORM

22. THE CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATION OF ALL EXISTING MAIN STACKS AND RISERS AND

CONTRACTOR SHALL MAKE THE NECESSARY PIPING MODIFICATIONS REQUIRED TO ACCOMMODATE THE CONNECTIONS.

23. THE EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW WORK.

24. COORDINATE THE NEW WATER, VENT AND SANITARY DRAINAGE PIPING CONNECTION TO THE EXISTING. THE

B. VERIFY ALL GOVERNING DIMENSIONS, PIPE SIZES AND LOCATION OF THE PIPING AND EQUIPMENT TO BE

DOWN OF EXISTING SERVICES, RISER SHUT DOWNS SHALL BE PERFORMED AT DESIGNATED TIMES

C. NOTIFY COLUMBIA UNIVERSITY AT LEAST 48 HOURS BEFORE DEMOLITION WORK OR BEFORE SHUT

D. ALL FIXTURES, EQUIPMENT, PIPING, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, RELOCATED,

VACUUM BREAKER. ALL EXPOSED PIPING AT THE PANTRY SHALL BE STEEL WITH CHROME PLATED FINISH.

CHANGES SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT.

18. PROVIDE CLEANOUTS FOR CHANGES IN DIRECTION FOR ALL SANITARY PIPING.

A. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT.

UNDER COLUMBIA UNIVERSITY'S SUPERVISION AND ONLY WITH APPROVAL.

TURNED OVER TO THE TENANT OR SALVAGED AS DIRECTED BY THE ARCHITECT.

DATE OF FINAL COMPLETION OF ALL WORK.

RETARDANT SEALANT AND ESCUTCHEONS.

CONNECTIONS FROM EXISTING FIXTURES.

REMOVAL NOTES

AFFIDAVIT STATING COMPLIANCE WITH ALL PROVISIONS OF THIS CONTRACT, INCLUDING ALL NOTES, EXCEPT FOR THOSE

CLG.	CEILING		EXISTING COLD WATER PIPING TO REMAIN
CW	COLD WATER		EXISTING HOT WATER PIPING TO REMAIN
DN	DOWN		EXISTING HOT WATER RETURN PIPING TO REMAIN
DR	DRAIN	 	EXISTING VENT PIPING TO REMAIN
FD	FLOOR DRAIN		EXISTING DRAINAGE PIPING TO REMAIN (W, L OR S)
FT	FOOT, FEET	-+++///+++	EXISTING PIPING TO BE REMOVED
FU	FIXTURE UNIT		COLD WATER PIPING (CW)
HW	HOT WATER		HOT WATER PIPING (HW)
IW	INDIRECT WASTE		HOT WATER RETURN PIPING (HWR)
LAV	LAVATORY		DRAINAGE PIPING ABOVE GROUND
MS	MOP SINK	SAN	SANITARY (SAN)
NTS	NOT TO SCALE	<u> </u>	VENT PIPING (V)
PG	PRESSURE GAUGE		HEAT TRACED PIPING
PLBG	PLUMBING		DIRECTION OF FLOW
PS	PANTRY SINK	0	PIPE-UP UNLESS OTHERWISE NOTED
S	SOIL	G	PIPE DROP UNLESS OTHERWISE NOTED
SA	SHOCK ABSORBER	LOW _ HIGH	DROP OR RISE
SAN	SANITARY		
SF	SQUARE FOOT (FEET)		TOP CONNECTION
SH	SHOWER		BOTTOM CONNECTION
SPECS.	SPECIFICATIONS	∞	VALVED CAPPED OUTLET
SQ.FT.	SQUARE FOOT (FEET)		NEW CONNECTION
SS	SERVICE SINK		+
STD	STANDARD	P #	SANITARY/WATER RISER DESIGNATION
TEMP	TEMPERATURE		
TYP	TYPICAL	•	POINT OF NEW CONNECTION
V	VENT		POINT OF DISCONNECTION
W	WASTE		TOWN OF BISCOMMESTICK
WC	WATER CLOSET		AREA DRAIN, FLOOR DRAIN, ROOF DRAIN (AD, FD, RD)
WD	WATER DISPENSER	<u> </u>	CLEANOUT (CO)
CM	COFFE MAKER	•	CLEANOUT DECK PLATE (CODP)
VA	VACUUM		TRAP
	VACCOIVI	─	GATE VALVE (GV)
			BALL VALVE (BV)
		→	CHECK VALVE
			O.S.&Y. VALVE
		-	EXISTING BALL VALVE
		무 🔻	VACUUM BREAKER (VB)
			WATER HAMMER ARRESTOR
		<u> </u>	VVATER HAIVIIVIER ARRESTOR
		──	CONCENTRIC REDUCER
		- ₹	TEMPERATURE & PRESSURE RELIEF VALVE (TP)
		Ø	PRESSURE GAUGE (PG)
		I —	PIPE SLEEVE

DESCRIPTION

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS INDICATED ARE NECESSARILY WITHIN THE

CW

PLUMBING FIXTURE CONNECTION SCHEDULE

REMARKS

- CONCRETE ANCHOR EXISTING WF LIEBIG SAFETY BOLT STEEL MEMBER STANDARD WEIGHT STEEL PIPE OR TRUSS WEB TERMINATE SLEEVE SLEEVE OF SIZE TO PASS PIPE FLUSH WITH FINISHED WALL SURFACES ANNULAR SPACE BETWEEN PIPE AND SLEEVE TO BE PACKED WITH UL/FM APPROVED MATERIAL AND TESTED TO THE REQUIREMENTS OF ASTM E814 (UL 1476) AND COUPLER -ASTM 119 (UL 263) RETAINING STEEL STRAP FINISHED ESCUTCHEON PLATE CLIPS ----FLUSH AGAINST WALL AND OF SIZE 1/2" CLEAR MAXIMUM -TO COMPLETELY COVER OPENING - ROD (SIZE AS REQUIRED) (TYP FOR EACH SIDE). CLEVIS HANGER 1. INCREASE CLEVIS HANGER SIZE TO ALLOW FOR INSULATION FINISHED WALL SURFACE. OF THOSE LINES REQUIRING INSULATION. CONCEALED PIPING — PIPING EXPOSED TO VIEW 2. FOR INSULATED LINES USE STEEL PIPE SHIELDS AT HANGER POINTS. SEAL OR CAULK SLEEVES THRU THE ABOVE DETAIL SHALL BE USED ONLY FOR LINES UP TO FIRE WALLS IN A SMOKE TIGHT AND INCLUDING 4" IN SIZE. MANNER. HANGING DETAILS SHALL BE SUBMITTED TO BUILDING APPROVED STRUCTURAL ENGINEER FOR REVIEW AND DETAIL OF PIPE PENETRATING APPROVAL. SEE SPECIFICATIONS FOR HANGER SPACING AND ROD THRU FIRE RATED WALL AND FLOO NOT TO SCALE 6. REPAIR FIRE PROOFING AT REMOVED AND NEW SUPPORT CONNECTIONS. CONCRETE STRUCTURE STEEL STRUCTURE TYPICAL HANGER DETAILS NOT TO SCALE STANDARD WEIGHT STEEL PIPE TERMINATE SLEEVE SLEEVE OF SIZE TO PASS PIPE FLUSH WITH FINISHED WALL SURFACES ANNULAR SPACE BETWEEN PIPE AND SLEEVE TO BE PACKED WITH ELASTOMERIC ACOUSTICAL SEALANT WITH MINIMUM 10% MOVEMENT CAPABILITY. BACKFILLED BY HAND AND TAMPED, IN 6" LAYERS, FOR 1FT ABOVE THE CROWN OF THE PIPE. FINISHED ESCUTCHEON PLATE CROWN — FLUSH AGAINST WALL AND OF SIZE 1/2" CLEAR MAXIMUM TO COMPLETELY COVER OPENING - DEPTH VARIES (TYP FOR EACH SIDE). FINISHED WALL SURFACE. CONCEALED PIPING - PIPING EXPOSED TO VIEW SEAL OR CAULK SLEEVES THRU WALLS IN A SMOKE UNDERGROUND PIPING SHALL BE TIGHT MANNER. INSTALLED IN ACCORDANCE WITH PC306 FOR TRENCHING, EXCAVATION DETAIL OF PIPE PENETRATING AND BACKFILL THRU NON FIRE RATED WALI NOT TO SCALE └── 3"MIN SAND FILLED TO GRADE UNDISTURBED EARTH -SAND TAMPERED IN PLACE

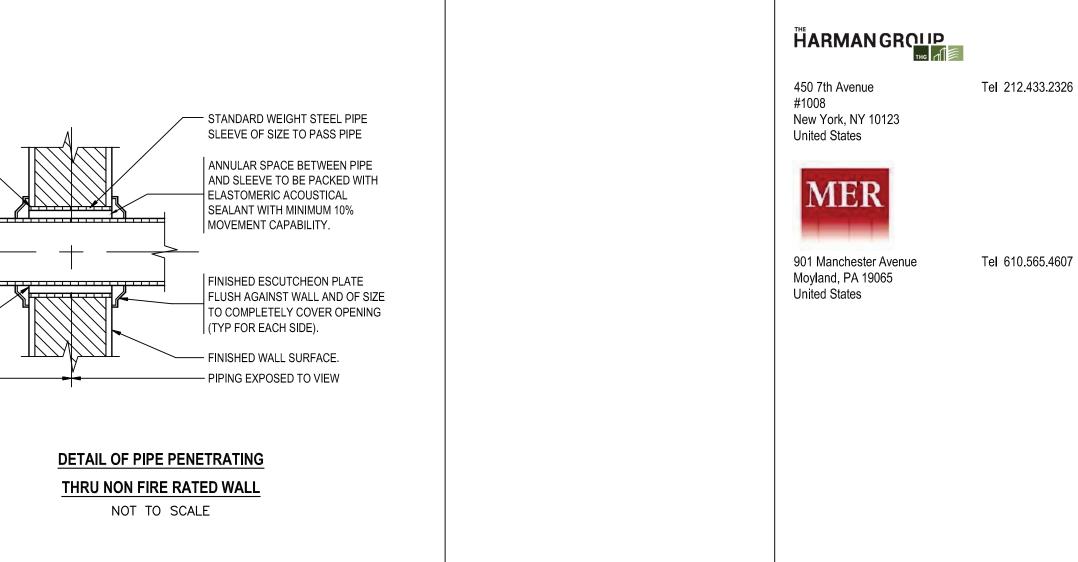
REPLACE FIREPROOFING

TWO L 3Ô"x 3Ô"x Ö" CLIP

ANGLES WELDED TO EXISTING

SUPPORT L3Ô"x3Ô"xÖ"

WELDED TO CLIP ANGLES



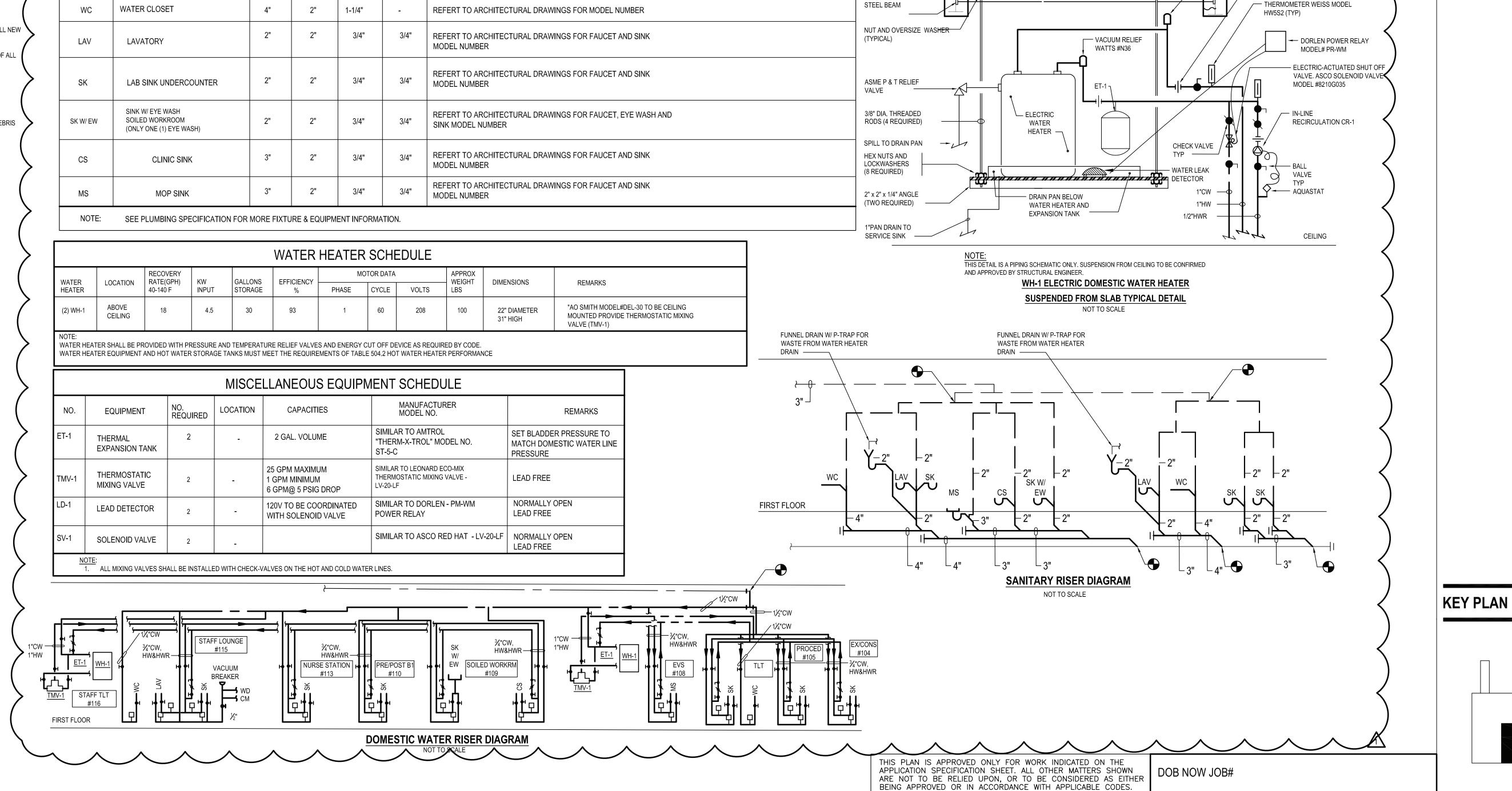
KEY NOTES

— AUTOMATIC AIR RELEASE

VALVE WATTS #FV4-1/8"

GENERAL NOTES

E. UPON COMPLETION OF ALL NEW WORK NO ABANDONED PIPING SHALL REMAIN. F. THE EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW G. LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING SHALL BE VERIFIED AT THE SITE. H. NO REMOVED EXISTING PIPING FITTINGS, VALVES, FIXTURES, ETC. SHALL BE REUSED UNLESS OTHERWISE APPROVED BY THE ENGINEER. I. REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING HEIGHTS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL FROM THE PREMISES OF ALL DEBRIS RESULTING FROM PLUMBING WORK. INDEX OF DRAWING PLUMBING NOTES, SYMBOLS, SCHEDULES, DETAILS & RISER DIAGRAMS P-101.00 PLUMBING LEVEL 01 REMOVAL PLAN P-201.00 PLUMBING LEVEL 01 PLAN



TRENCHING, EXCAVATION AND BACKFILL

10.04.21 ISSUE FOR BID 1 10.12.21 ADDENDUM #1 Seal / Signature Project Name INTERVENTIONAL RADIOLOGY - TARRYTOWN Project Number 12491.000 Description **PLUMBING** NOTES, SYMBOLS, SCHEDULE, DETAIL \$ & RISER DIAGRAMS

AS NOTED

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P-001.00

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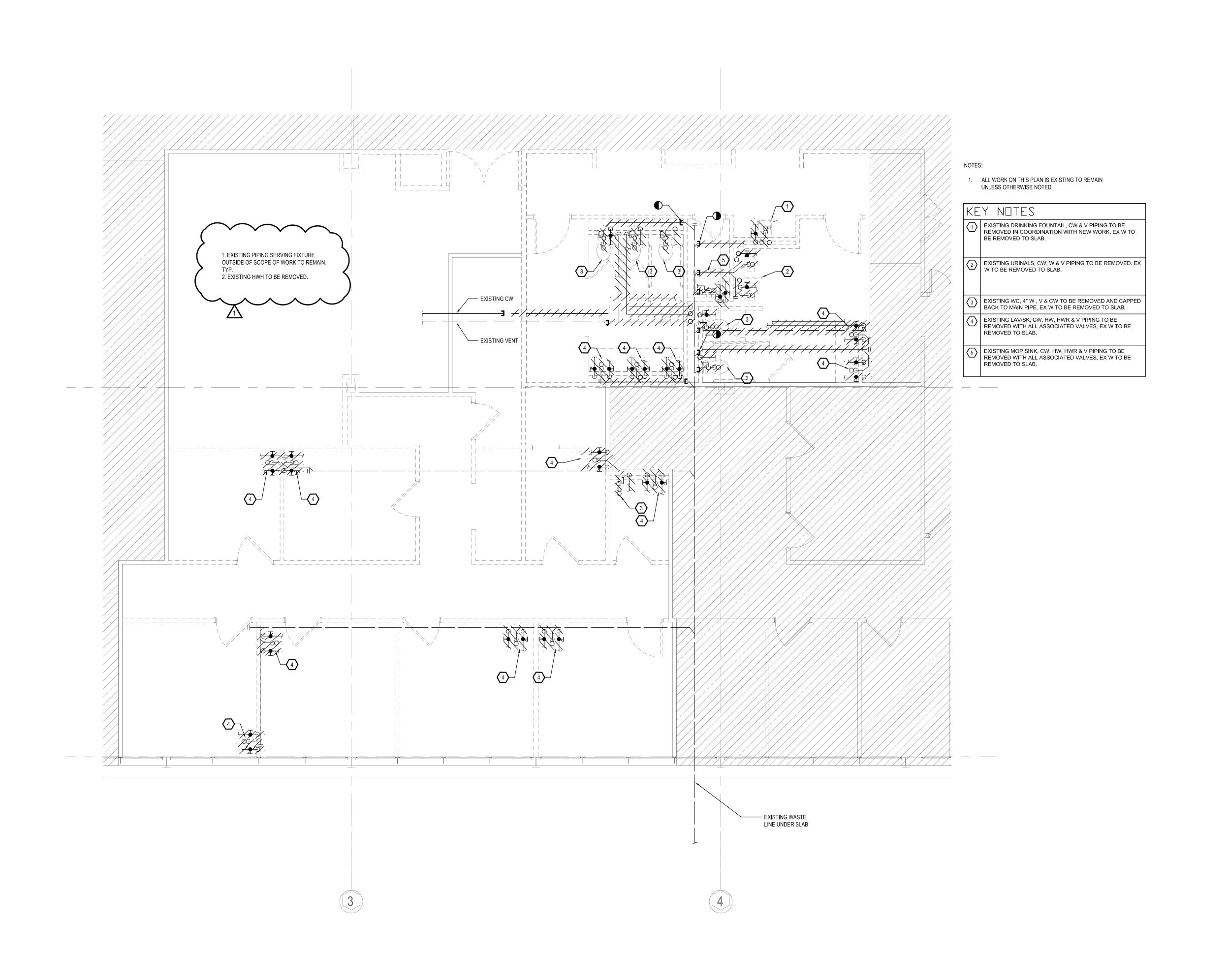
21 Pennsylvania Plaza

New York, NY 10001

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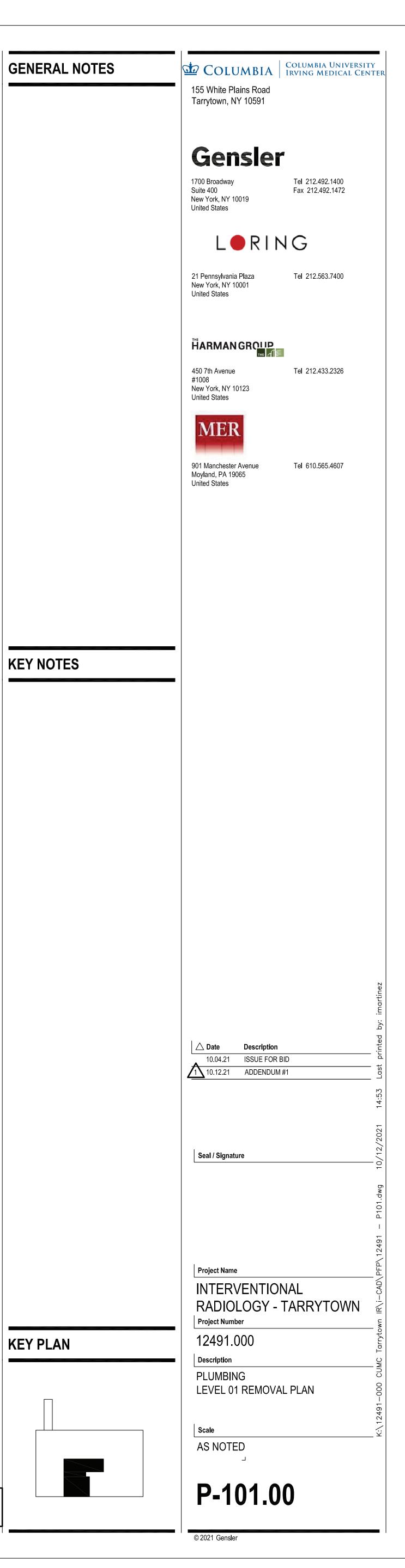
Tarrytown, NY 10591

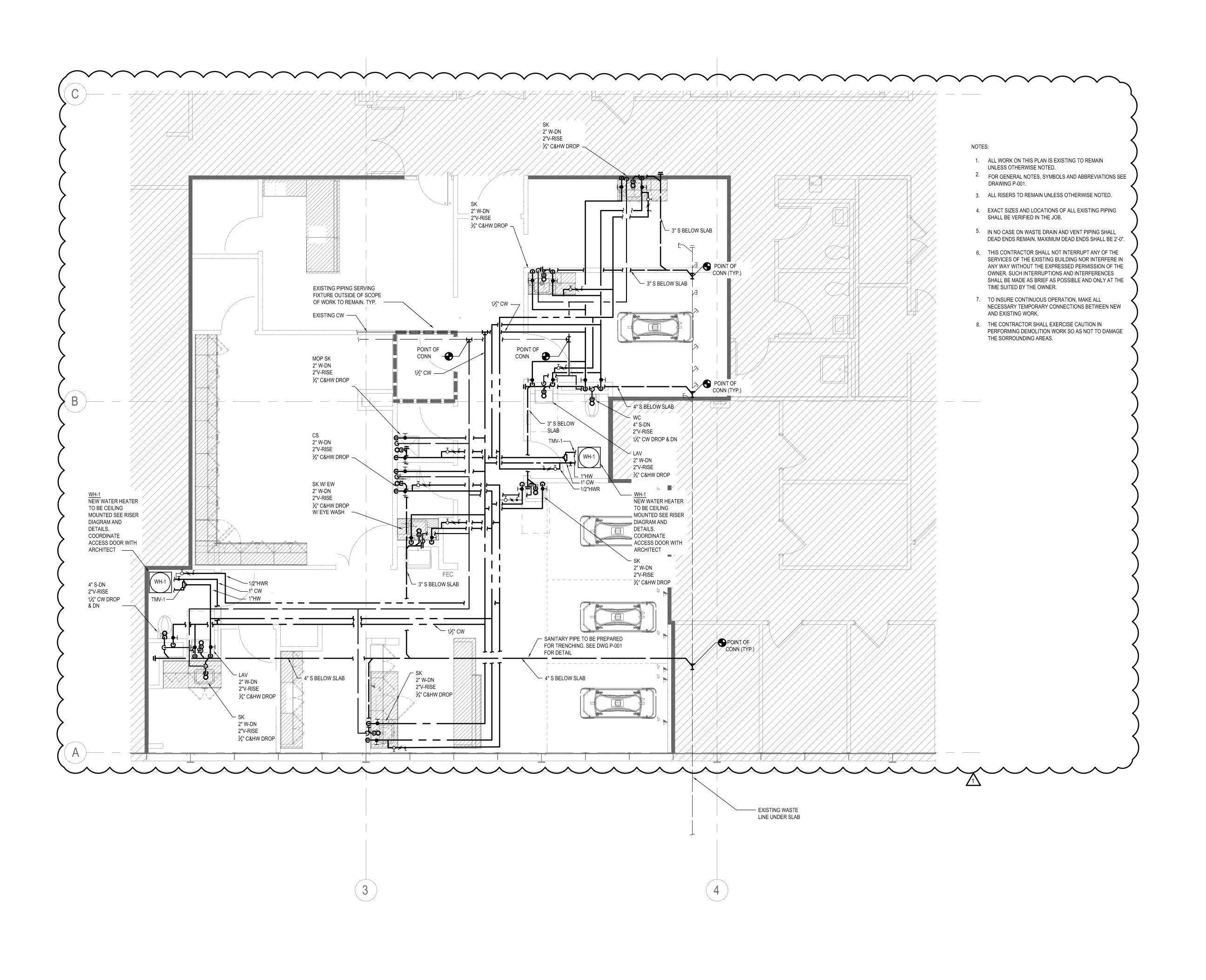


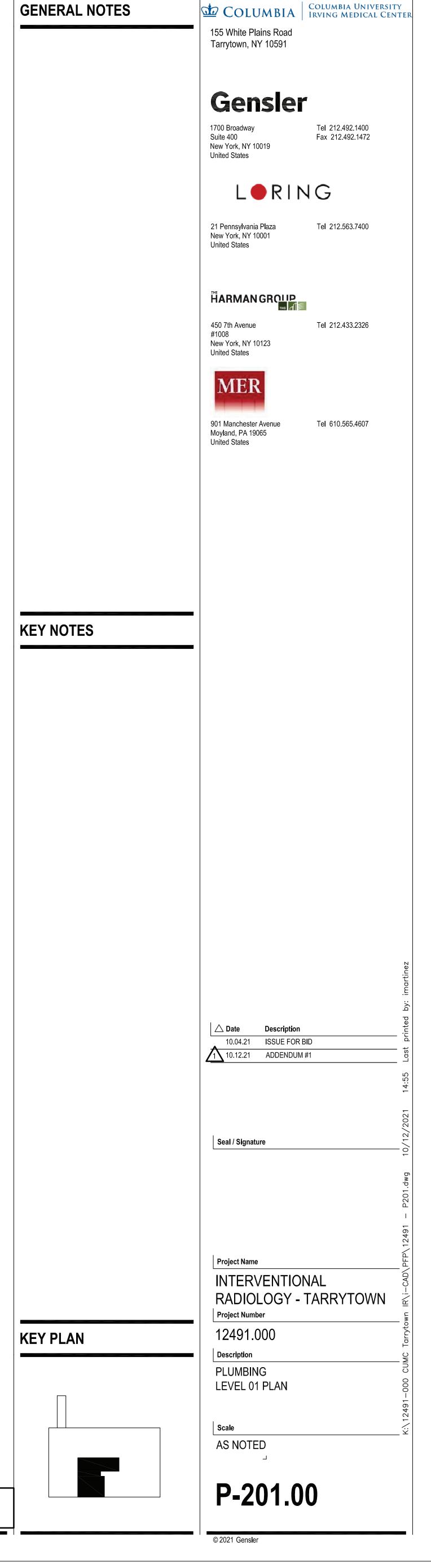
1 LEVEL 01 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

0

4







1 LEVEL 01 PLUMBING PLAN
SCALE: 1/4" = 1'-0"

O 4

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#