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INFORMATION AND SHALL BE FOR THE PURPOSES OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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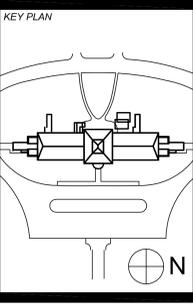
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REVISIONS

REV NO	DESCRIPTION	DATE

Client
 DORMITORY AUTHORITY STATE OF NEW YORK
 515 BROADWAY
 ALBANY, NY 12207

Project Title
 BUILDING 1 RENOVATION AND HAZARDOUS MATERIALS ABATEMENT
 140 OLD ORANGEBURG RD
 ORANGETOWN, NY 10962

Drawing Title
 PLUMBING SYMBOLS, ABBREVIATIONS, NOTES, AND DRAWING LIST

Phase
 100% SUBMISSION

Drawn By: JA Checked By: A.K. Date: 05 / 13 / 22

Seal & Signature
 DASNY Project No: 35363
 Drawing Number: P001.00
 Drawing

PLUMBING DEMOLITION NOTES

- CARE MUST BE TAKEN TO MAINTAIN ALL PLUMBING SYSTEMS SERVING THE AREAS OUTSIDE THE AREA OF WORK AS ACTIVE. ANY REQUIRED SHUTDOWNS OF PLUMBING SYSTEMS MUST BE COORDINATE WITH THE CONSTRUCTION MANAGER AND BE DONE ONLY AFTER OBTAINING WRITTEN APPROVAL FROM LANDLORD. MAKE ARRANGEMENTS AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO A SHUTDOWN.
- THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATION OF PLUMBING WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED, NO CLAIMS FOR ADDITIONAL COMPENSATION ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES WHERE CONSIDERED JUSTIFIED BY THE DESIGN CONSULTANT.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING PLUMBING WORK WHICH INTERFERES WHICH THE NEW ARCHITECTURAL LAYOUTS, ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE REMOVED BACK TO ACTIVE LINES.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING PLUMBING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER.
- THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR BUILDING SURFACES TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS WHERE NECESSARY.
- ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
- PORTIONS OF MAINS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED.
- ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE PLUMBING CONTRACTOR, AS DIRECTED BY THE OWNER.
- ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVERTIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
- ALL PIPING SHOWN TO BE REMOVED RANGE FROM 1/2" TO 10". CONTRACTOR IS TO FIELD VERIFY THE SIZES AND LAYOUT OF THE PIPING THAT IS TO BE REMOVED.

BUILDING DEPARTMENT PLUMBING NOTES

ALL PLUMBING WORK SHALL MEET THE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE WITH THE 2020 UNIFORM CODE.

- PROTECTION OF PIPING AS OUTLINED IN SECTION PC 305 SHALL BE PROVIDED AS REQUIRED.
- ALL PIPING AND MATERIALS SHALL BE AS DIRECTED IN SECTIONS PC 303 & PC 702.
- PIPING JOINTS AND CONNECTIONS SHALL BE AS APPROVED IN SECTIONS PC 605 & PC 705.
- CONSTRUCTION, QUANTITIES, DEVICES, FIXTURES, FAUCETS, VALVES AND FACILITIES FOR THE DISABLED SHALL BE AS OUTLINED IN CHAPTER 4.
- CONSTRUCTION AND SPACING OF HANGERS AND SUPPORTS SHALL BE AS DIRECTED IN SECTION PC 308.
- WATER SUPPLY SYSTEM, VALVES, TESTS SHALL BE AS DIRECTED IN CHAPTER 6.
- VALVES SHALL BE PROVIDED AT RISERS AND ELSEWHERE AS PER SECTION PC 606.
- SPECIAL AND MISCELLANEOUS PIPING SHALL BE AS DIRECTED IN CHAPTER 8.
- INDIRECT WASTE PIPING SHALL BE AS DIRECTED IN CHAPTER 8.
- ALL PLUMBING WORK SHALL BE DONE BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER PLUMBER.
- NEW WATER SERVICE OR ALTERED WATER SYSTEMS SHALL BE DISINFECTED AS PER PC 610.1

WATER PIPING INSULATION

A. WATER PIPING SHALL BE INSULATED AS PER NYSECC C404.4:

- HOT WATER PIPING:--
 - TEMPERATURE RANGE FROM 105 F TO 140 F
 - 1" THICK INSULATION FOR PIPE SIZES LESS THAN 1 1/2" PIPE DIAMETER.
 - 1 1/2" THICK INSULATION FOR PIPE SIZES 1 1/2" IN DIAMETER AND UP TO 8" PIPE DIAMETER.
- COLD WATER PIPING:--
 - 1" THICK INSULATION FOR PIPE SIZES UP TO AND INCLUDING 2" IN DIAMETER.
 - 1 1/2" THICK INSULATION FOR PIPE SIZES LARGER THAN 2" DIAMETER.

GENERAL NOTES

GENERAL

EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

- PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR ALL PLUMBING FIXTURES INCLUDING WASTE, VENTS, HOT AND COLD WATER AND PROVIDE ALL PLUMBING WORK NECESSARY TO MAKE THE PANTRY, KITCHEN, BATH, ETC. ENTIRELY OPERABLE AND ACCEPTABLE TO LOCAL HEALTH AND BUILDING OFFICIALS.
- PLUMBING CONTRACTOR SHALL LOCATE ALL PIPING AND PLUMBING ROUGH-IN FOR PLUMBING FIXTURES IN ACCORDANCE WITH ROUGH-IN DRAWINGS PROVIDED BY EQUIPMENT MANUFACTURERS.
- COORDINATE POSITION OF SLEEVES AND OPENINGS THROUGH FLOOR WITH THE GENERAL CONTRACTOR.
- ALL PIPING AND EQUIPMENT SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. HANGER AND SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE IN PLUMBING SYSTEMS.
 - WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF HANGER RODS IN REQUIRED LOCATIONS, PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND APPROVED.
 - NO PLUMBING PIPING SHALL BE HUNG FROM THE PIPING OF OTHER TRADES OR DUCTWORK. HANGERS SHALL BE OF HEAVY CONSTRUCTION, SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED.
- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND INSTALL NEW WORK TO CLEAR DUCTWORK AND LIGHTING FIXTURES.
- CONTRACTOR SHALL USE EXTREME CAUTION WHEN INSTALLING FIXTURES OR PIPING ON OR IN FINISHED WALLS AND PARTITIONS.
- CONTRACTOR TO MAKE SURE THAT PLUMBING SYSTEMS SERVING THE THREE STORY EXISTING BUILDING-THAT IS TO REMAIN- TO STAY ACTIVE DURING THE WORK

PLUMBING AND DRAINAGE ABBREVIATIONS

CB	CATCH BASIN
CI	CAST IRON
CO	CLEANOUT
COOP	CLEANOUT DECK PLATED
CW	COLD WATER
DET	DETAIL
DN	PIPE DOWN THRU FLOOR
DR	DRAIN
DRB	DRAIN BIBB
DWG	DRAWING
EL	ELEVATION
ELEC	ELECTRIC
EX	EXISTING
EXP	EXPOSED
FAI	FRESH AIR INLET
FIN FL	FINISHED FLOOR
FL	FLOOR
GC	GENERAL CONTRACTOR
HB	HOSE BIBB
HW	HOT WATER
HWC	HOT WATER CIRCULATION
HWR	HOT WATER RETURN
INCR	INCREASER
IE	INVERT ELEVATION
RD	ROOF DRAIN
RE	ROOM
RED	REDUCER
RISE	PIPE RISING BETWEEN FLOORS
RM	ROOM
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
R TR	RUNNING TRAP
S	SOIL
SAN	SANITARY
SL	SLEEVE
ST	STORM
TYP	TYPICAL
UP	PIPE RISING THRU FLOOR
U/S	UNDER SLAB
V	VENT
VF	VENTRY IN FIELD
VTR	VENT THRU ROOF
W	WASTE

MIXING VALVE SCHEDULE

*EXISTING MIXING VALVE TO BE REPLACED IN KIND OR APPROVED MODELS, SIZE TO BE DETERMINED IN FIELD BY CONTRACTOR BASED ON EXISTING MIXING VALVE

APPROVED MODELS

- LAWLER-MODEL #800 SERIES - HIGH-LOW - TEMPERATURE RANGE 90OF TO 120OF.
- ACORN - MV17 SERIES
- LEONARD - XL-150-LF-BOT

PLUMBING PIPING & JOINTS MATERIAL SCHEDULE ACCORDINGLY WITH NY STATE PLUMBING CODE CHAPTER 6 & 7

PIPE	LOCATION	MATERIAL
SANITARY PIPING (WASTE & VENT)	INTERIOR (ABOVE GROUND AND HOUSE DRAIN LINES)	SERVICE WEIGHT CAST IRON PIPE ASTM A 74; ASTM A 888; CISPI 301 (SVC) NO-HUB WITH MECHANICAL STAINLESS STEEL COUPLINGS. FOR 3" OR LESS USE GALVANIZED STEEL, SCH 40, WITH THREADED DRAINAGE FITTINGS
	INTERIOR (PUMP DISCHARGE)	GALVANIZED STEEL, SCH 40, WITH THREADED DRAINAGE FITTINGS, VICTALUC FITTING IN CONJUNCTION WITH GROOVE PIPE, 2" AND LARGER IS PERMITTED.
	INTERIOR (UNDER GROUND)	SERVICE WEIGHT CAST IRON PIPE ASTM A 74; ASTM A 888; CISPI 301 JOINTS BETWEEN CAST-IRON PIPE OR FITTINGS SHALL COMPLY WITH SECTIONS 705.3.1 THROUGH 705.3.3
DOMESTIC WATER (HOT AND COLD)	EXTERIOR (HOUSE SEWER/ UNDER GROUND)	SERVICE WEIGHT CAST IRON PIPE ASTM A 74; ASTM A 888; CISPI 301 JOINTS BETWEEN CAST-IRON PIPE OR FITTINGS SHALL COMPLY WITH SECTIONS 705.3.1 THROUGH 705.3.3
	INTERIOR (ABOVE GROUND)	COPPER TUBING, TYPE L (BLUE COLOR BAR), WITH WROUGHT COPPER SOLDER JOINT FITTINGS SUITABLE FOR SOFT SOLDERING. BRASS, SEAMLESS DRAWN PIPE, REGULAR WEIGHT WITH CAST BRONZE FITTING. STANDARD: ASTM B75; ASTM B88; PIPE FITTINGS SHALL COMPLY WITH SECTION 605. VALVES SHALL COMPLY WITH SECTION 705.7
	EXTERIOR (SERVICE/UNDERGROUND)	DUCTILE IRON, WATER SERVICE PIPE SHALL COMPLY WITH SECTION 605.3 FITTED WITH MECHANICAL JOINTS THAT SHALL COMPLY WITH SECTION 605.5

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	TYPE	SOIL	WASTE	VENT	C.W.	H.W.
WATER CLOSET	P-1	4"	-	2"	1"	-
BARRIER FREE WATER CLOSET	P-1A	4"	-	2"	1"	-
BARRIER FREE URINAL	P-2A	-	2"	2"	3/4"	-
DRINKING FOUNTAIN, SINGLE BUBBLER	P-3	-	2"	2"	1/2"	-
BARRIER FREE DRINKING FOUNTAIN, SINGLE BUBBLER	P-3A	-	2"	2"	1/2"	-
KITCHEN LAVATORY	P-4	-	2"	2"	1/2"	1/2"
JANITOR UTILITY SINK	P-5	-	2"	2"	1/2"	1/2"
SINGLE LAVATORY, BARRIER FREE OR GENERAL USE (PUPIL AND STAFF)	P-6	-	2"	2"	1/2"	1/2"
DISHWASHER	P-7	-	2"	2"	-	1/2"
MUSEUM UTILITY SINK	P-8	-	2"	2"	1/2"	1/2"
CLOTHES WASHER	P-9	-	2"	2"	1/2"	1/2"

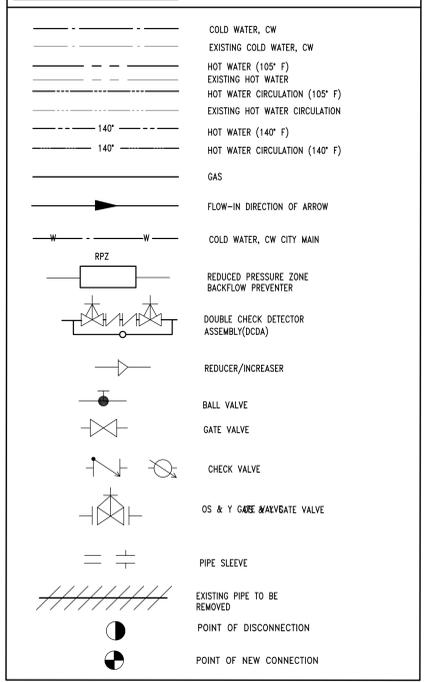
NOTES:

- FURNISH ISOLATION VALVE SHUTOFF TO FIXTURES
- FOR FIXTURE HEIGHTS INSTALLATION AND ADA REQUIREMENT, REFER TO ARCHITECTURAL DRAWINGS

PATCHING AND FINISHING

CONTRACTOR IS TO COORDINATE ALL NECESSARY PATCHING AND FINISHING REQUIRED FOR PLUMBING WORK WITH ALL TRADES

PLUMBING SYMBOLS



PLUMBING DEMOLITION NOTES:

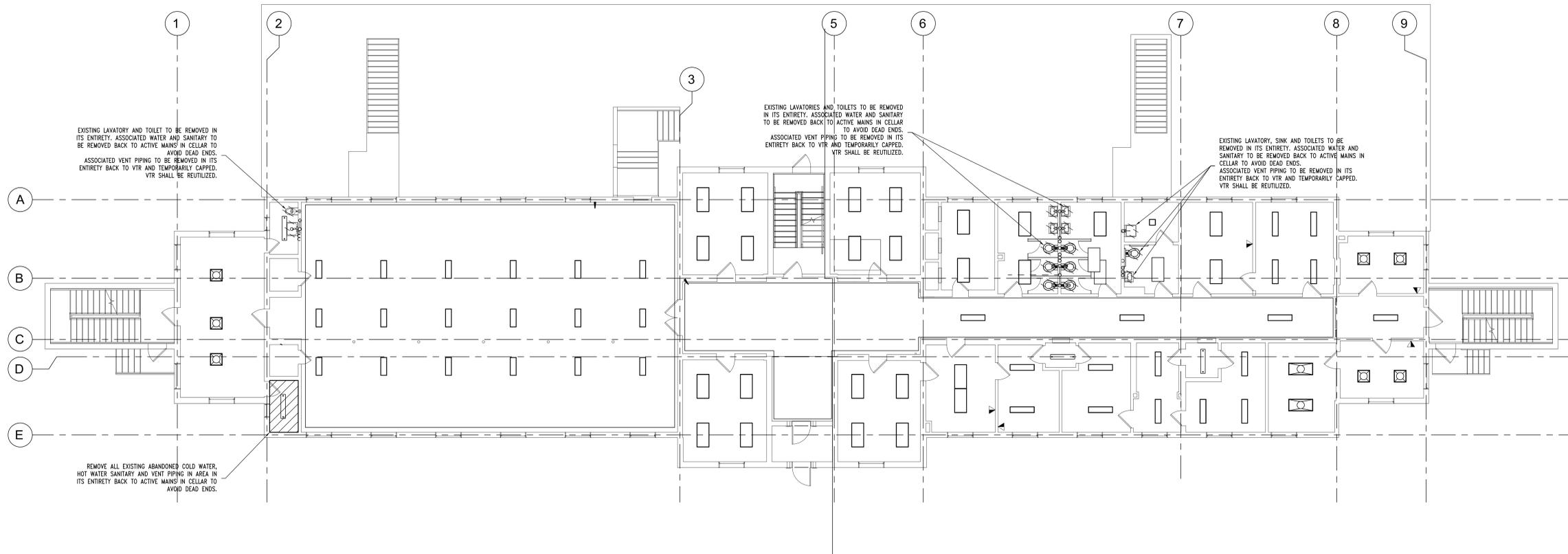
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DEMOLITION SCOPE OF WORK NOTES:

DOMESTIC WATER SYSTEM- EXISTING WATER SYSTEM ON THIS FLOOR SHALL BE REMOVED IN ITS ENTIRETY. ALL RELATED PLUMBING FIXTURES SHALL ALSO BE REMOVED IN THEIR ENTIRETY. THE EXISTING DOMESTIC WATER SERVICE IS EXISTING TO REMAIN CONTRACTOR SHALL FIELD VERIFY DOMESTIC WATER SYSTEM ROUTING, PIPE SIZES VARY FROM 1/2"-2". ESTIMATED LINEAR FOOTAGE-150 FT.

SANITARY/VENT SYSTEM- ALL SANITARY/VENT PIPING RELATED TO FIXTURES THAT ARE BEING REMOVED IN ITS ENTIRETY. SANITARY LINES SHALL BE REMOVED BACK TO ACTIVE MAINS IN CELLAR FLOOR AREA, AND CAPPED. VENT PIPING SHALL BE REMOVED UP TO THE VTR AND CAPPED. THE EXISTING SANITARY SERVICE IS EXISTING TO REMAIN. ALL EXISTING VTR'S SHALL REMAIN AND BE REUTILIZED. NO DEAD ENDS SHALL BE ALLOWED. CONTRACTOR SHALL FIELD VERIFY SANITARY/VENT SYSTEM ROUTING. PIPE SIZES VARY FROM 1/2"-4". ESTIMATED LINEAR FOOTAGE-200 FT.

STORM SYSTEM- ALL STORM PIPING ARE EXISTING TO REMAIN AND SHALL NOT BE AFFECTED UNDER THIS SCOPE OF WORK UNLESS IT BECOMES EXPOSED DUE TO ARCHITECTURAL CHANGES. EXPOSED PIPING SHALL BE REROUTED BEHIND FINISHED WALLS.



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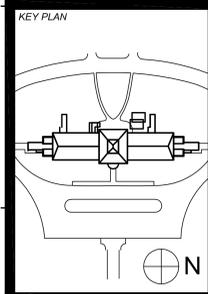
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 515 BROADWAY ALBANY, NY 12207

Project Title
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 140 OLD ORANGEBURG RD ORANGETOWN, NY 10962

Drawing Title
 PLUMBING FIRST FLOOR REMOVAL PLAN

Phase
 100% SUBMISSION

Drawn By: JA **Checked By:** A.K. **Date:** 05 / 13 / 22

Seal & Signature
 DASNY Project No: 35363
 Drawing Number: P061.00
 Drawing

PLUMBING DEMOLITION NOTES:

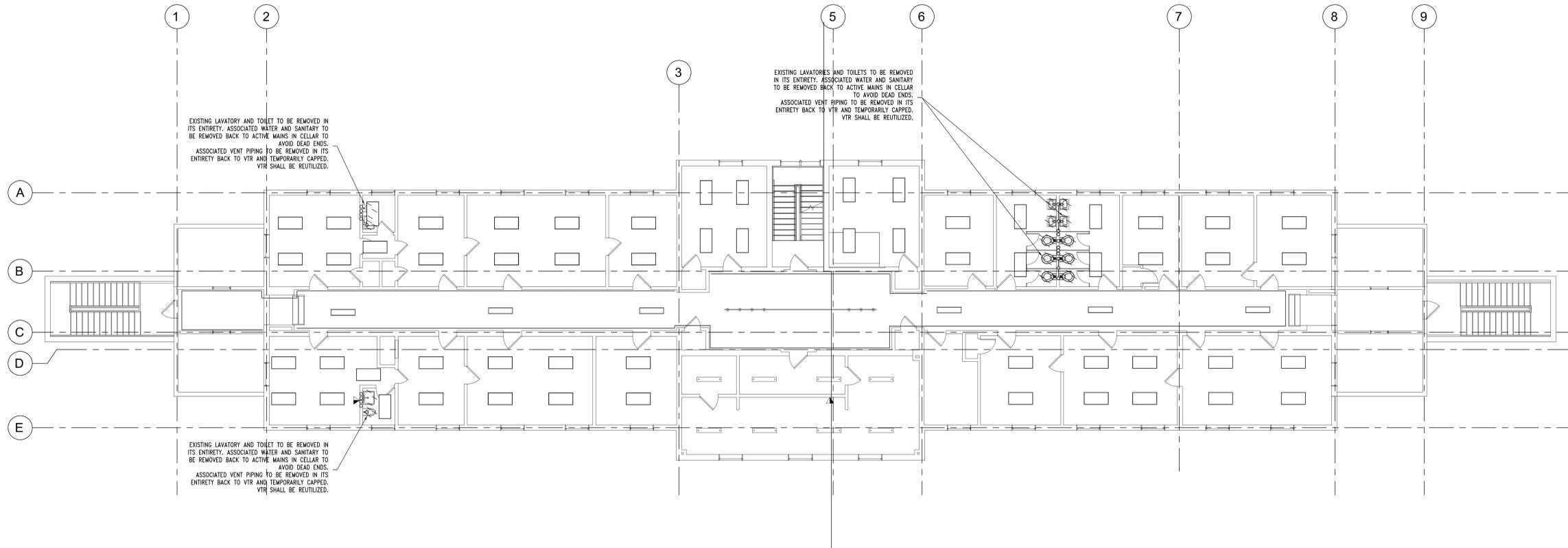
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STORM SYSTEM- ALL STORM PIPING ARE EXISTING TO REMAIN AND SHALL NOT BE AFFECTED UNDER THIS SCOPE OF WORK UNLESS IT BECOMES EXPOSED DUE TO ARCHITECTURAL CHANGES. EXPOSED PIPING SHALL BE REROUTED BEHIND FINISHED WALLS.



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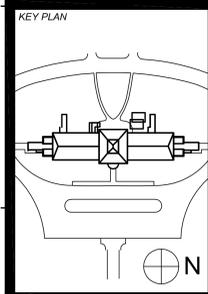
WSP GROUP
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REVISIONS

REV NO	DESCRIPTION	DATE

Client
 DORMITORY AUTHORITY STATE OF NEW YORK
 515 BROADWAY
 ALBANY, NY 12207

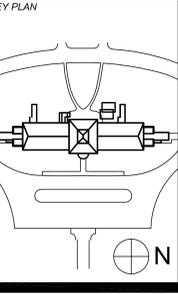
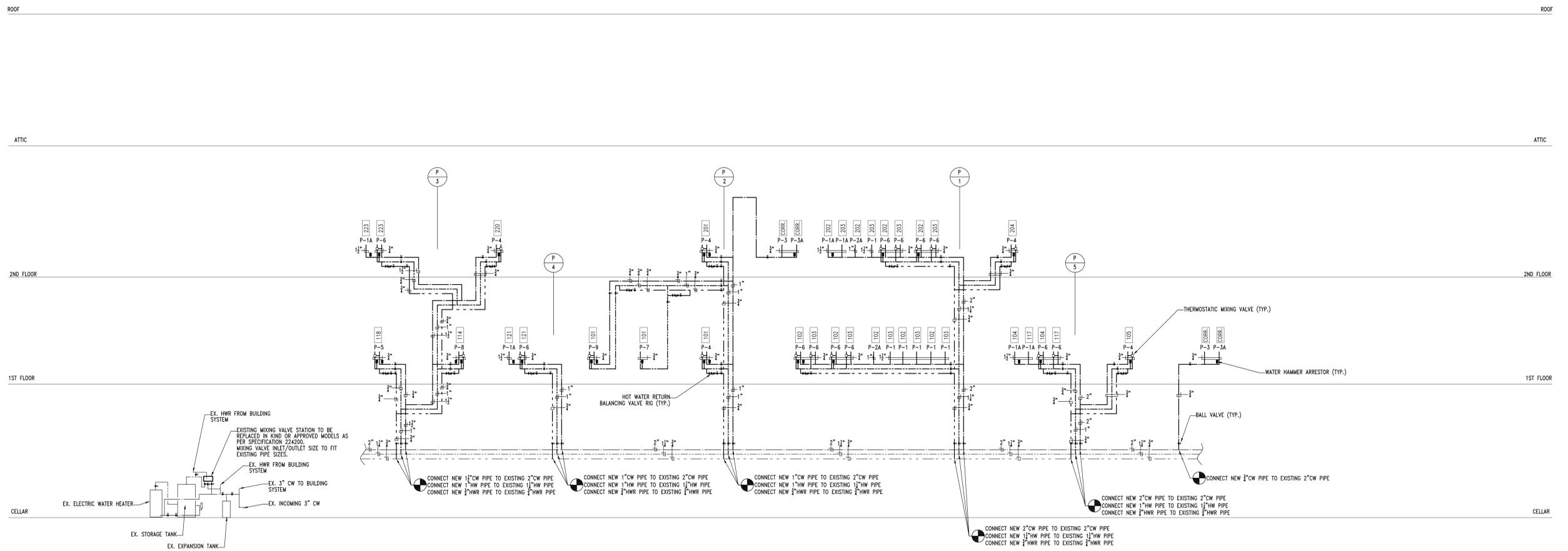
Project Title
 BUILDING 1 RENOVATION AND HAZARDOUS MATERIALS ABATEMENT
 140 OLD ORANBURG RD
 ORANGETOWN, NY 10962

Drawing Title
 PLUMBING SECOND FLOOR REMOVAL PLAN

Phase
 100% SUBMISSION

Drawn By: JA **Checked By:** A.K. **Date:** 05 / 13 / 22

Seal & Signature **DASNY Project No:** 35363
Drawing Number: P062.00
Drawing:



REVISIONS

REV NO	DESCRIPTION	DATE

Client
DORMITORY AUTHORITY STATE OF NEW YORK
515 BROADWAY ALBANY, NY 12207

Project Title
BUILDING 1 RENOVATION AND HAZARDOUS MATERIALS ABATEMENT
140 OLD ORANGEBURG RD ORANGETOWN, NY 10962

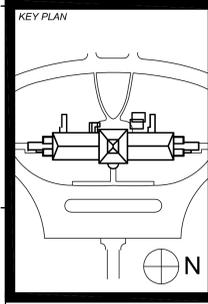
Drawing Title
PLUMBING PARTIAL DOMESTIC WATER RISER DIAGRAM

Phase
100 % SUBMISSION

Drawn By: JA Checked By: A.K. Date: 05 / 13 / 22

Seal & Signature
DASNY Project No: 35363
Drawing Number: P301.00
Drawing





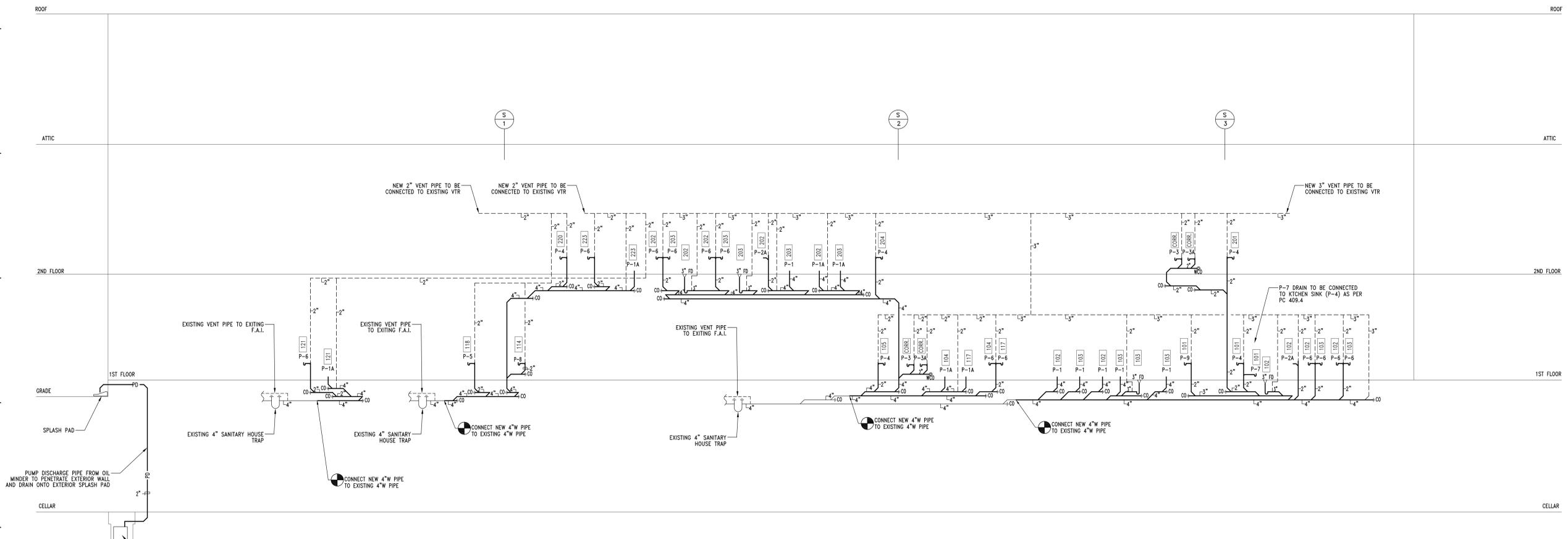
REVISIONS

REV NO	DESCRIPTION	DATE

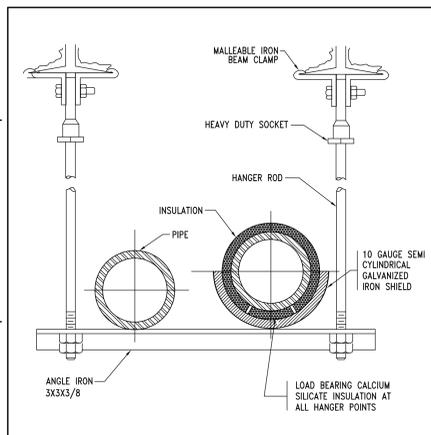
Client
 DORMITORY AUTHORITY STATE OF NEW YORK
 515 BROADWAY ALBANY, NY 12207
 Project Title
 BUILDING 1 RENOVATION AND HAZARDOUS MATERIALS ABATEMENT
 140 OLD ORANGEBURG RD ORANGETOWN, NY 10962

Drawing Title
PLUMBING PARTIAL SANITARY RISER DIAGRAM
 Phase
 100 % SUBMISSION
 Drawn By: JA Checked By: A.K. Date: 05 / 13 / 22
 Seal & Signature

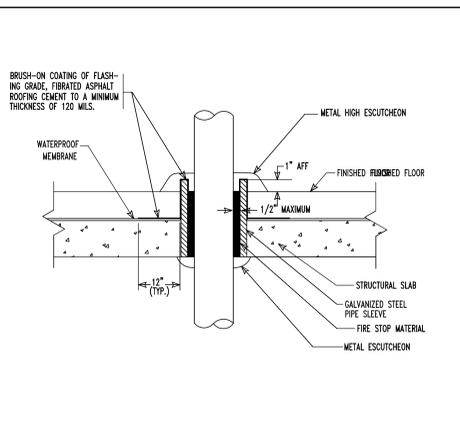
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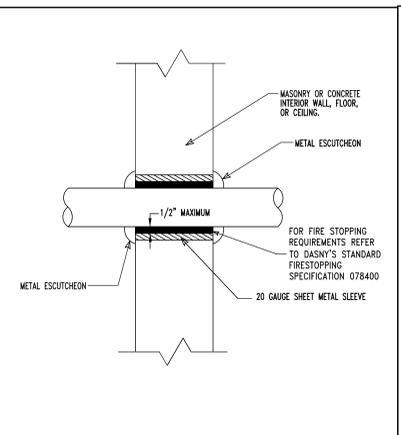
SUBMERSIBLE HYDRAULIC ELEVATOR SUMP PUMP WITH OIL MINDER IN 2'-0" X 2'-0" X 2'-0" DEEP CONCRETE PIT. SUMP PUMP SHALL BE SIMILAR TO STANCOR EFFLUENT SUBMERSIBLE TYPE, MODEL #8550. THE PUMP SHALL BE APPROVED TO UL 778 STANDARDS AND SHALL INCLUDE THERMAL AND OVERLOAD PROTECTION. THE MOTOR SHALL BE RATED 1/2 H.P., 3 PHASE, 230V AND CAPABLE OF OPERATING CONTINUOUSLY OR INTERMITTENTLY. THE MOTOR HOUSING SHALL BE CONSTRUCTED OF #304 STAINLESS STEEL AND MECHANICAL SEALS SHALL BE HOUSED IN A SEPARATE OIL-FILLED COMPARTMENT. THE PUMP SHALL BE PLACED IN A CONCRETE PIT FOR WHICH A FRAME AND SPLIT COVER SHALL BE PROVIDED. THE COVER SHALL BE GRATED AND FITTED FOR INSTALLATION OF THE PUMP, OIL-MINDER PROBE AND FLOAT GUIDE.
 (ELEVATOR IS HYDRAULIC TYPE)



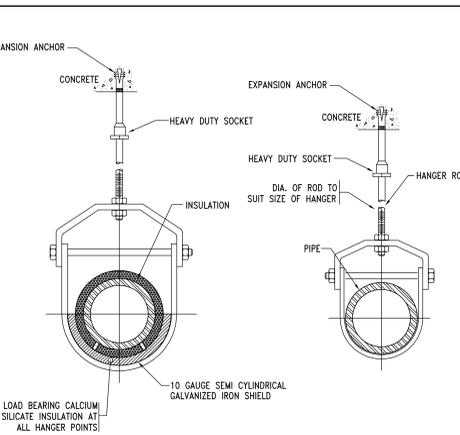
1 TRAPEZE HANGER (PIPE 5' AND LARGER) N.T.S



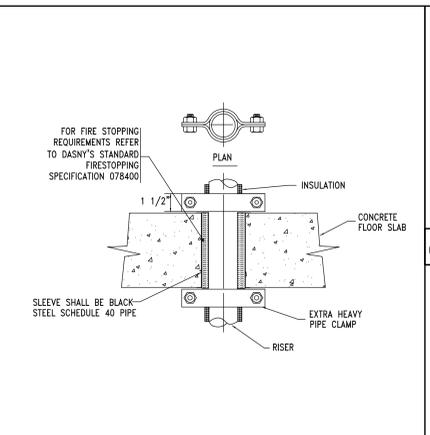
2 PIPE PENETRATION IN WATERPROOF SLAB N.T.S



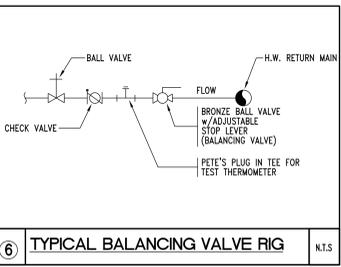
3 PIPE PENETRATION IN INTERIOR WALL/FLOOR/CEILING N.T.S



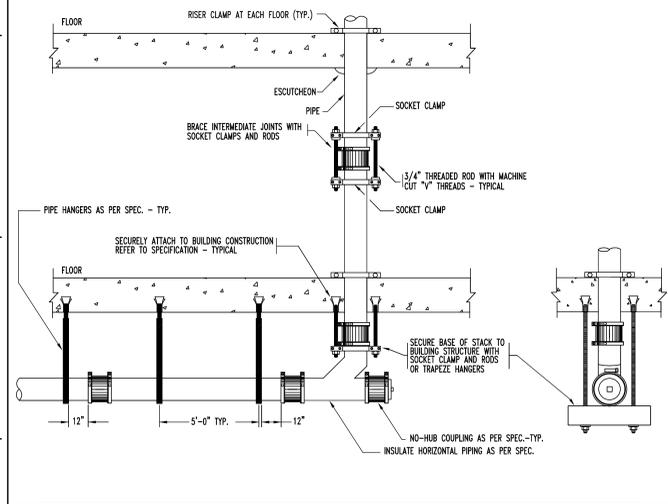
4 METHOD OF HANGING PIPING (PIPE 4' AND SMALLER) N.T.S



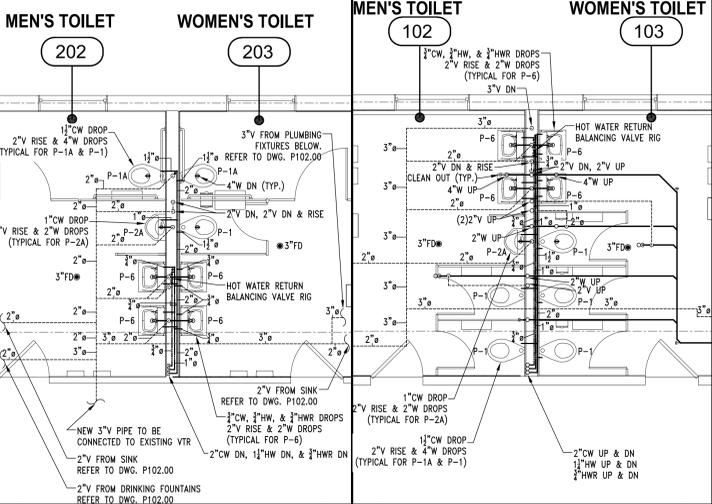
5 PIPE RISER ANCHOR N.T.S



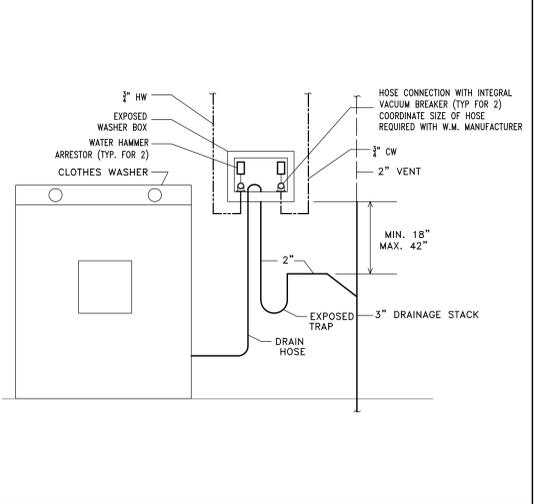
6 TYPICAL BALANCING VALVE RIG N.T.S



7 NO-HUB PIPE BRACING FOR VERTICAL PIPING N.T.S



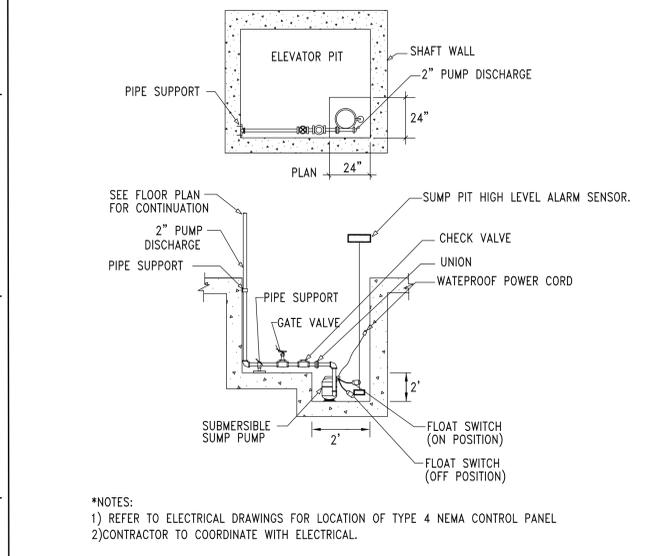
8 TOILET ROOMS 202 AND 203 SANITARY AND DOMESTIC WATER CONNECTIONS PART PLAN N.T.S



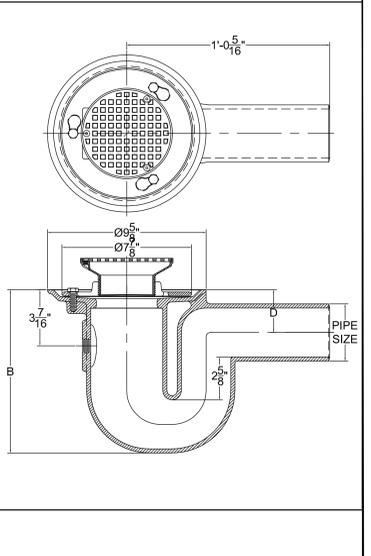
9 TOILET ROOMS 102 AND 103 SANITARY AND DOMESTIC WATER CONNECTIONS PART PLAN N.T.S



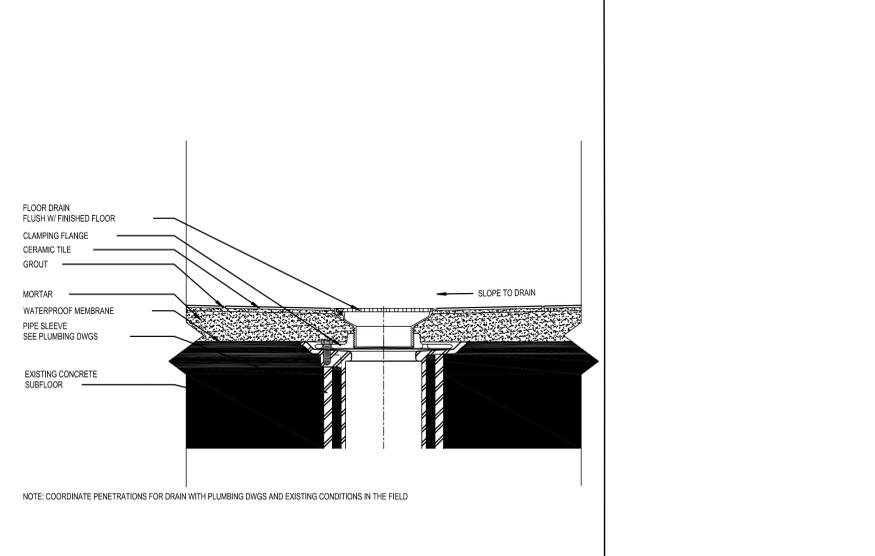
10 DETAILED PLUMBING CONNECTIONS FOR WASHING MACHINE N.T.S



11 ELEVATOR SUMP PUMP DETAIL N.T.S



12 TYPICAL FLOOR DRAIN DETAIL N.T.S



13 FLOOR DRAIN + FLOOR SYSTEM DETAIL N.T.S

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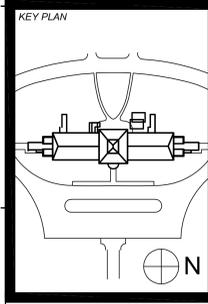
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Drawing Title
PLUMBING DETAILS SHEET #1

Phase
 100% SUBMISSION

Drawn By: JA Checked By: A.K. Date: 05 / 13 / 22

Seal & Signature
 DASNY Project No: 35363
 Drawing Number: P401.00
 Drawing