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COMBUSTION

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**White Plains City
School District**

Toilet Room Renovations at the George Washington Elementary School



100 Orchard Street
White Plains NY, 10604
66-22-00-01-0-009-016

CONTRACT G
GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

GENERAL NOTES, MAPS, DRAWINGS LIST AND LEGENDS

COPYING NO.

G000.00

H2 architects +

M engineers

2700 Westchester Ave., Suite 415

CONSULTANT'S	

MARK	DATE	DESCRIPTION

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100 Orchard Street White Plains NY, 10604	66-22-00-01-4-009-016	CONTRACT	CONTRACT G GENERAL CONSTRUCTION	FINAL BID DOCUMENT	15-0000	15-0007 1114	GENERAL NOTES, MAPS, DRAWINGS LIST AND LEGENDS
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|  | <p>100 Orchard Street
White Plains NY, 10604</p> <p>66-22-00-01-4-009-016</p> | <p>CONTRACT</p> | <p>CONTRACT G</p> | <p>GENERAL CONSTRUCTION</p> | <p>FINAL BID DOCUMENT</p> | <p>GENERAL NOTES, MAPS,
DRAWINGS LIST AND LEGENDS</p> | <p>000000</p> |
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SYMBOL	DESCRIPTION
	PIPING UP
	PIPING DOWN
	PIPING SIZE OR SLOPE
	BLANKS TOP CONNECTION
	BLANKS-BOTTOM CONNECTION
	REDUCER
	CLEANOUT
	FLOOR CLEANOUT
	CAPPED PIPE
	METER
	FLOOR DRAIN
	AQUASTAT
	PUMP
	STRAINER
	UNION
	THERMOSTATIC MIXING VALVE
	BALANCING VALVE (B.V.)
	GLOBE VALVE (G.V.)
	CHECK VALVE (C.V.)
	GAS COCK, GAS STOP
	BALL VALVE (B.V.)
	BUTTERFLY VALVE (B.F.V.)
	SOLENOID VALVE
	GATE VALVE (G.V.)
	PRESSURE-REDUCING VALVE (P.R.V.)
	PRESSURE-RELIEF VALVE (P.R.V.)
	BACKFLOW PREVENTER
	FROST-FREE HOSE BIBB
	HOSE BIBB
	REDUCED-SIZE HOSE BIBB OR WALL HYDRANT
	EXPANSION JOINT
	WATER HAMMER ARRESTER
	VALVE IN RISER
	WALL CLEANOUT (W.C.)
	FLOW IN OR OUT OF RISER
	FLOW IN DIRECTION OF ARROW
	COLD WATER (C.W.)
	TEMPERED WATER (T.W.)
	HOT WATER (H.W.)
	TEMPERED WATER RETURN (T.W.R.)
	HOT WATER RETURN (H.W.R.)
	WASTE PIPING (W.L.O.H.)
	BELOW-SLAB WASTE PIPING
	VENT PIPING (V.)
	GAS PIPING (G.)
	PIPING EQUIPMENT TO BE REMOVED
	POINT OF CONNECTION

ABBREVIATIONS	
AF	ADJACENT FLOOR
BTU	BTU/HR THERMAL UNIT
BTU	BTU PER HOUR
CLG	CEILING
CO	CLEAN OUT
COOP	CLEAN OUT BECK/KAITE
COMP	CLEAN OUT WALL/KAITE
CW	COLD WATER
DM	DEMOLISH
DOV	DOUBLE CHECK VALVE DEVICE
DSG. F	7" HANSUBSET
DN	DRAIN
DN	DOWN
EXT	EXISTING
EA	EACH
FAI	FRESH AIR IN TAKE
FD	FLOOR DRAIN
GA	GAS
GC	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
"H"	"H" CONTRACTOR
HP	HORSEPOWER
HW	HOT WATER
HWR	HOT WATER RETURN
IN	INCHES
IN W.C.	INCHES WATER COLUMN (WATER GAUGE)
(N.D.)	NO DATA
NO	NO ALKALINITY
PSI	POUNDS
LS	LESS
M	METER
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OD	OUTER DIAMETER
"P"	"P" PROPOSED
"P"	PLUMBING CONTRACTOR
"P"	PRESSURE DROP
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RZ	REDUCED PRESSURE ZONE
SAN IT	SANITARY
ST	STORMDRAIN
TEMP	TEMPERATURE
TY	TYPICAL
TYW	TEMPERED WATER (H/P)
TYW	TEMPERED WATER RETURN
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERSONNEL AVAILABLE REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS NOTED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPELLED FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO AND AFFECTING THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE BETWEEN FIELD CONDITIONS. SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BID.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING NYSPCL, (IF APPLICABLE), THE 2020 NEW YORK STATE MECHANICAL NYSMCL, (IF APPLICABLE), AND ALL LOCAL ORDINANCES AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF ALL LOCAL ELECTRICAL INSTALLATIONS.
5. APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.
6. FIRE STOP ALL OPENINGS IN FIRE-RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.
7. DO NOT SCALE DRAWINGS FOR PLUMBING WORK. DRAWINGS ARE DIAGNOSTIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY SET BY DIMENSIONS ARE APPROXIMATE.
8. COORDINATE CONTACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS TO BE INSTALLED WITH THE PROJECT ARCHITECT, ENGINEER, ARCHITECTURAL FIRM, AND CONTRACTORS FAMILIARIZED THEM TO ENSURE A PROPER FIT-UP AND INSTALLATION. BRING ANY CONFLICTS TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ANY EQUIPMENT.
9. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS WHERE HEADROOM AND SPACE CONDITIONS ARE SPECIFIED. NOTIFY THE ARCHITECT IMMEDIATELY PRIOR TO PROCEEDING WITH INSTALLATION OF ANY EQUIPMENT OR MATERIALS THAT MAY VIOLATE THE SPECIFIED HEADROOM OR SPACE CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ANY EQUIPMENT.
10. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS TO THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER DIRECTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT THROUGHOUT FOR ANY CHANGES.
11. PROVIDE ALL MANUFACTURED MANUFACTURES TWO OR MORE TIMES OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
12. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S MATERIALS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
13. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH ACCESS TO THE MEASURING DEVICES. PROVIDE ACCESS TO THE MEASURING DEVICES AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED AGENCY.
14. COORDINATE ALL PIPING TRANSITIONS, REQUIRED FOR IN-RAL CONNECTIONS TO EQUIPMENT.
15. COORDINATE LOCATION AND SIZES OF ALL SUPPORT WALLS AND ROOF OPENINGS WITH ALL OTHER TRADES.
16. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONTRACTOR WORK.
17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BOLT CLAMPS MEETING SPEC STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
18. PROVIDE CONCRETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PADS 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
19. INSTALL PIPING AND EQUIPMENT CONSIDERED IN AREAS HAVING CEILING AND/OR FLOOR SPACES UNLESS OTHERWISE NOTED ON THE DRAWINGS.
20. REFER TO MANUFACTURER'S INSTRUCTIONS FOR EXACT LOCATION OF ALL ACCESSORIES. MODIFY ALL SUCH CONNECTIONS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
21. PROVIDE ACCESS DOORS IN WALLS & PARTITIONS, AND CEILING AS REQUIRED TO MAKE WATER, WATER HAMMER ARRESTERS, ETC. EASILY ACCESSIBLE.
22. ARRANGE FOR, COORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY ALL CITY COMPANIES AND AUTHORITIES HAVING JURISDICTION.
23. INSTALL FURNITURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL.
24. CROSS DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
25. INSTALL UNIL SEAL-TYPE PROTECTION FOR WATER RESISTANT WALLS AT ALL SLAB AND BELOW GROUND WALL FOOTING PENETRATIONS.
26. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL FLATE IN FINISHED WALLS.
27. FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCESSIBLE WALLS. THE NEW YORK STATE PLUMBING CODE ON ALL INCOMING DOMESTIC WATER SUPPLIES IN EXCESS OF 80 P.S.I.G.
28. COVER ALL COPPER PIPING BELOW GRADE WITH "DRAINAGE" TYPE INSULATION.
29. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE AIRMASS SYSTEM.
30. FLUSH AND DISINFECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. PROVIDE CERTIFICATE OF PERFORMANCE AND LABORATORY TEST REPORT TO LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL.
31. PROVIDE WATER HAMMER ARRESTERS AT ALL QUICK CLOSING FEEDBACK VALVE LOCATIONS.
32. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/071 COMPLIANT AND BE TESTED FOR LEAK LOSS.
33. ANY PENETRATIONS THROUGH AIR BARRIERS SHALL BE SEALED AS PER 2020 IBC/ICC RESIDENTIAL AND COMMERCIAL PROVISIONS.
34. ALL PIPING IN LEAKY SPACES SHALL BE CAST IN-ROOF FOR SANITARY. STOP, VENT SYSTEMS, AND COPPER PIPING FOR PLUMBING SYSTEMS, AND TEST SYSTEMS TO 150 P.S.I. FOR 15 MINUTES. NO WATER PENETRATIONS ALLOWED.

LEAD NOTE:

1. ALL FACETS, FITTINGS, AND VALVES MUST COMPLY WITH NSF 61 AND ASTM F72 FOR LOW LEAD PERCENTAGE
2. CONTRACTORS SHALL BE RESPONSIBLE TO DISAPPORTMENT COMPLIANCE WITH THE NY STATE DEPARTMENT OF HEALTH LEAD IN WATER REGULATION (10 NYCRR 6-6.4).
3. AT THE CONCLUSION OF NEW PLUMBING WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE FOLLOWING INFORMATION TO THE OWNER: A WRITTEN REPORT OF THE RESULTS OF THE TESTING AT ALL NEW LOCATIONS, SINKS, SHOWERS, DRAINING FOUNTAINS AND ALL OTHER FIXTURES WHERE WATER MAY BE CONSUMED OR DRINKING. TWO COPIES OF THE REPORT MUST BE SUBMITTED, ONE COPY TO THE ENGINEER AND THE OTHER ONE TO THE OWNER.

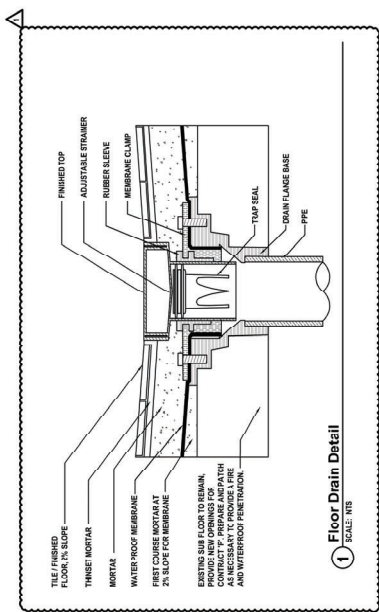
PLUMBING FIXTURES									
FIXTURE NO.	DESCRIPTION	MINIMUM CONNECTION SIZES (IN)							
		COLD WATER		HOT WATER		DRAIN		V	
		SIZE	FU	SIZE	FU	SIZE	FU	SIZE	FU
LAV-1	LAVATORY - WALL MOUNT	1/2	1.5	1/2	1.5	1 1/2	1	1 1/2	
LAV-2	LAVATORY 24" WASHSTATION - WALL MOUNT - ADA	1/2	1.5	1/2	1.5	1 1/2	1	1 1/2	
WC-1	WATER CLOSET - WALL MOUNT - FLUSHOMETER	1	16	-	-	4	4	2	
WC-2	WATER CLOSET - WALL MOUNT - FLUSHOMETER - ADA	1	16	-	-	4	4	2	
FD-1	FLOOR DRAIN - SEE NOTE 4	1/2	-	-	-	3	2	2	
UR-1	URINAL - WALL MOUNT - FLUSHOMETER	3/4	5	-	-	3	4	2	
UR-2	URINAL - WALL MOUNT - FLUSHOMETER - ADA	3/4	5	-	-	3	4	2	
HB-1	HOSE BIBB	3/4"	-	-	-	-	-	-	

NOTES:

1. HIDE PATE ALL DRAIN PIPES (FITTINGS, T-TAPS AND SUPPLY) AND THAT ARE EXPOSED, LOCATED WITHIN VANITIES OR ACCESSIBLE CABINETS OF BEHIND WATER CLOSETS
2. SEE SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBERS
3. MINIMUM CONNECTION SIZES INDICATED ARE EQUIPMENT CONNECTION SIZES OR CODE MINIMUM SIZE. SEE PLANS AND DIAGRAMS FOR ACTUAL SIZES REQUIRED
4. ALL FLOOR DRAINS SHALL HAVE STRAIN SEAL.

DEMOLITION NOTES

GENERAL	SCOPES OF WORK
1. PRIOR TO PHYSICAL SUBMISSION, THE CONTRACTOR SHALL VISIT THE SITE TO OBSERVE THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND AVOIDANCE. ARIANA TO ASSESSMENT THE DIFFICULTIES WHICH WILL BE ENCOUNTERED DURING THE DEMOLITION WORK.	1. REMOVE THE EXISTING WALLS, INCLUDING ALL MATERIALS, LAGGED STRUCTURES, CONNECTIONS, EXISTING TYPOLAND, AND EXISTING OTHER WALLING WORK REQUIRED TO MAINTAIN SERVICE DURING THE COMPLETION OF THE DEMOLITION WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING DEPARTMENT.
2. SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS A COMMITMENT TO THE CONTRACTOR TO DEMOLISH THE EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR. EQUIPMENT OF THE CONTRACTOR SHALL BE USED TO DEMOLISH THE EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR. EQUIPMENT OF THE CONTRACTOR SHALL BE USED TO DEMOLISH THE EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR.	2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJACENT STRUCTURES OUTSIDE THE CONTRACT AREA OR TO DAMAGE THE EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR. EQUIPMENT OF THE CONTRACTOR SHALL BE USED TO DEMOLISH THE EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR.
3. BEFORE WORKING WITH THE CONTRACTOR, THE CONTRACTOR SHALL PROVIDE A DETAILED DEMOLITION PLAN TO THE ARCHITECT.	3. BEFORE WORKING WITH THE CONTRACTOR, THE CONTRACTOR SHALL PROVIDE A DETAILED DEMOLITION PLAN TO THE ARCHITECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PLANNING AS WELL AS ELECTRICAL, MECHANICAL, AND OTHER CONSTRUCTION WORK. ALL RELOCATED ARE RECOMMENDED USING THE CONTRACTOR'S OWN EQUIPMENT.	4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PLANNING AS WELL AS ELECTRICAL, MECHANICAL, AND OTHER CONSTRUCTION WORK. ALL RELOCATED ARE RECOMMENDED USING THE CONTRACTOR'S OWN EQUIPMENT.
5. REMOVE ALL EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR. EQUIPMENT OF THE CONTRACTOR SHALL BE USED TO DEMOLISH THE EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR.	5. REMOVE ALL EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR. EQUIPMENT OF THE CONTRACTOR SHALL BE USED TO DEMOLISH THE EXISTING WALLS AND LATER CLIFFS WALLS WILL NOT BE RECONSTRUCTED FOR EXTRA LABOR.
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CONSULTANTS:

[illegible]

DESIGNED BY: JRM	DRAWN BY: CJM	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007		DATE: NOVEMBER 20(21)	
		SCALE: AS SHOWN	

**White Plains City
School District**

INSIDE LOOK

4
6
8
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6
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2
6



100 Orchard Street
White Plains NY, 10604
66-22-00-01-0-009-016

CONTRACT	CONTRACT G
	GENERAL CONSTRUCTION

FINAL BID DOCUMENT

**GENERAL NOTES, LEGEND,
AND ABBREVIATIONS**

CHARTING No. **P000.00**

[illegible]

MARK	DATE	DESCRIPTION
1	1-22-21	ADDENDUM #1
2	1-03-21	FINAL BID SET

MARK	DATE	DESCRIPTION
1	1-22-21	ADDENDUM #1
2	1-03-21	FINAL BID SET



DATE	BY	FOR
NOVEMBER 2021	AS SHOWN	

White Plains City
School District

Toilet Room Renovations at
the George Washington
Elementary School



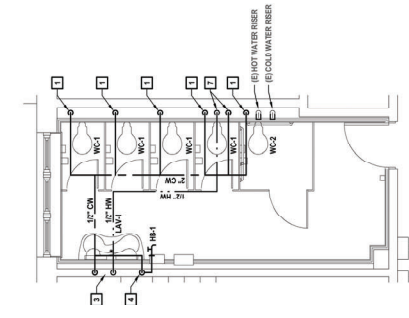
100 Orchard Street
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CONTRACT G
GENERAL CONSTRUCTION

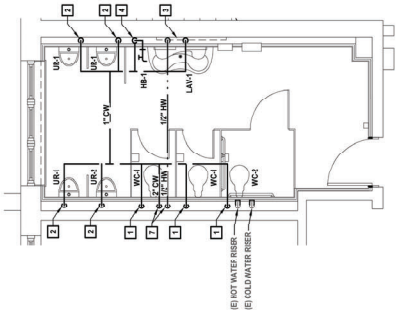
FINAL BID DOCUMENT

PLUMBING DOMESTIC
PROPOSED
ENLARGEMENT PLANS

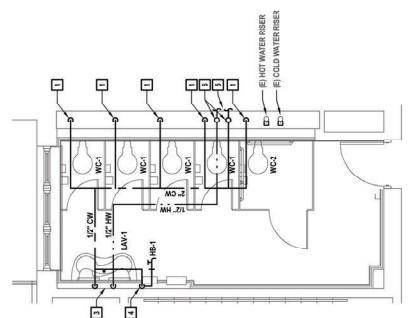
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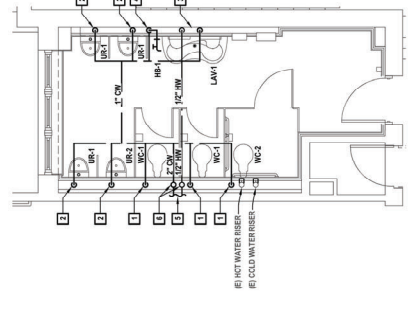
3 Second Floor Girl's Bathroom Domestic Plan
SCALE: 1/8\"/>



4 Second Floor Boy's Bathroom Domestic Plan
SCALE: 1/8\"/>



1 First Floor Girl's Bathroom Domestic Plan
SCALE: 1/8\"/>



2 First Floor Boy's Bathroom Domestic Plan
SCALE: 1/8\"/>

- PLUMBING NOTES**
1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY PIPING. NEW PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2015 UPC AND 2015 IRC. VERIFY EXISTING PLUMBING LINES AND INSURE PROPER CONNECTIONS TO NEW PLUMBING FEATURES.
 2. INSULATE ALL NEW WATER PIPING AND RE-INSULATE ALL EXISTING WATER PIPING WHERE INSULATION IS DAMAGED.
 3. ALL 3/4\"/>
 4. CHASE WALL WILL NEED TO BE OPENED TO ALLOW ACCESS TO 1/2\"/>
 5. INSTALL NEW SHUT OFF VALVES ON ALL COLD WATER AND HOT WATER BRANCHING ENTERING TOILETS.
 6. FURNISH AND INSTALL NEW CLEANOUT DECK PLATE, ZURN MODEL 2480 OR APPROVED EQUAL, AS REQUIRED IN EACH BATHROOM.
 7. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL NEW KIMBERLITE AND ZURN OR APPROVED EQUAL, AS REQUIRED IN EACH BATHROOM AND CONNECT TO EXISTING PIPING IN ALL CORRIDOR CHASE.

- KEYED PLUMBING NOTES**
1. 1\"/>
 2. 3/4\"/>
 3. 1/2\"/>
 4. 3/4\"/>
 5. CONNECT NEW COW AND HW TO CLOSEST EXISTING COW AND HW MAIN.
 6. NEW COW & HW RISER UP.
 7. NEW COW & HW RISER DN.



- 4" SAN UP TO WATER CLOSET.
- 2" SAN UP TO URINAL.
- 2" SAN UP TO LAVATORY.
- 2" SAN UP TO FLOOR DRAIN.
- 2" VENT DROP.
- 2" VENT UP.
- 2" VENT DOWN, 4" SAN UP TO WATER CLOSET ON FLOOR ABOVE.
- 2" VENT DOWN, 2" SAN UP TO URINAL ON FLOOR ABOVE.
- 1-1/2" VENT DOWN, 2" SAN UP TO LAVATORY ON FLOOR ABOVE.
- 2" VENT DOWN.
- 1-1/2" VENT DOWN.