LEGEND			ABBREVI		
SYMBOL	DESCRIPTION	AFF	ABOVE FINISHED		
<u> </u>	PIPING UP	ВТИ	BRITISH THERMA		
C	PIPING DOWN	ВТИН	BTU PER HOUR		
	PIPING RISE OR DROP	CLG	CEILING		
	BRANCH-TOP CONNECTION	СО	CLEAN OUT		
	BRANCH-BOTTOM CONNECTION	CODP	CLEAN OUT DECK		
	REDUCER	COWP	CLEAN OUT WAL		
	CLEANOUT	cw	COLD WATER		
		(D)	DEMOLISH		
<u> </u>	FLOOR CLEANOUT	DCV	DOUBLE CHECK \		
	CAPPED PIPE	DEG.	° FAHRENHEIT		
<u>M</u>	METER	F DIA	DIAMETER		
	FLOOR DRAIN	DN	DOWN		
<u>Y</u>	AQUASTAT	(E)	EXISTING		
	PUMP	EA	EACH		
	STRAINER				
<u> </u>	UNION	FAI	FRESH AIR INTAK		
	THERMOSTATIC MIXING VALVE	FD	FLOOR DRAIN		
	BALANCING VALVE (BLV)	G	GAS		
	GLOBE VALVE (GLV)	'GC'	GENERAL CONST		
	CHECK VALVE (CV)	GPM	GALLONS PER MI		
	GAS COCK, GAS STOP	GPH	GALLONS PER HO		
——161——	BALL VALVE (BV)	'Н'	HVAC CONTRACT		
————	BUTTERFLY VALVE (BFV)	HP	HORSEPOWER		
\$ 	SOLENOID VALVE	HW	HOT WATER		
 	PRESSURE-REDUCING VALVE (PRV)	HWR	HOT WATER RETU		
	GATE VALVE (GV)	IN.	INCHES		
─▷ ;►	PRESSURE-RELIEF VALVE (RV)	(W.G.)	INCHES WATER C		
-M-1-M-	BACKFLOW PREVENTER	KW	KILOWATTS		
<u>*</u> †	FROST FREE HOSE BIBB	LBS	POUNDS METER		
	HOSE BIBB	MAX	MAXIMUM		
*	RECESSED-BOX HOSE BIBB OR WALL HYDRANT				
	EXPANSION JOINT	MIN	MINIMUM		
	WATER HAMMER ARRESTER	NTS	NOT TO SCALE		
H≻O	VALVE IN RISER	OD (D)	OUTER DIAMETER		
CO T ×	WALL CLEANOUT (WCO)	(P)	PROPOSED		
→	PITCH DOWN OR UP IN DIRECTION	'P'	PLUMBING CONT		
	OF ARROW FLOW IN DIRECTION OF ARROW	PD	PRESSURE DROP		
	COLD WATER (CW)	RD	ROOF DRAIN		
	TEMPERED WATER (TW)	RPM	REVOLUTIONS PE		
	HOT WATER (HW)	RPZ	REDUCED PRESS		
	TEMPERED WATER RETURN (TWR)	SAN / S	SANITARY		
	HOT WATER RETURN (HWR)	ST	STORM DRAIN		
	WASTE PIPING (W,S,OW)	TEMP	TEMPERATURE		
	BELOW SLAB WASTE PIPING	TYP	TYPICAL TEMPERED WATE		
	VENT PIPING (V)	TWD	TEMPERED WATE		
	GAS PIPING (G)	TWR	TEMPERED WATE		
	PIPING / EQUIPMENT TO BE REMOVED	V	VENT TUROUGH I		
·/////,	POINT OF CONNECTION	VTR W	VENT THROUGH I		
			WASTE		
	POINT OF DISCONNECTION				
ESCUTCHEON (FOR	٨	FIRE STOPPING	NOTES:		

IATIONS D FLOOR IAL UNIT CK PLATE ALL PLATE **VALVE DEVICE** TRUCTION CONTRACTOR COLUMN (WATER GAUGE) NTRACTOR PER MINUTE SSURE ZONE TER (110°F) TER RETURN ROOF

FIRE STOPPING NOTES: CONTRACTOR SHALL BE RESPONSIBLE FOR **ENSURING THAT PENETRATIONS ARE PROPERLY FIRE** STOPPED WITH THE FOLLOWING:

- 1.A. THE FIRE STOPPING SYSTEM AND COMPONENTS SHALL BE AS MANUFACTURED BY 3M. NO SUBSTITUTIONS SHALL BE PERMITTED.
- METAL PIPES OR CONDUIT THROUGH BLOCK WALL SHALL USE UL SYSTEM NO. CAJ1044 AND 3M PRODUCT CP25 WB & CAULK
- 1.C. METAL PIPES THROUGH GYPSUM WALLS SHALL USE UL SYSTEM NO. WL 1001 AND 3M PRODUCT CP 25 WB & CAULK

Pipe Penetrations Through Fire Rated Walls

SCALE: NTS

EXPOSED AREAS)

STOPPER PLATE.

INSULATION PIPE

1/4" THICK -

SLEEVE WITH

AS SPECIFIED

FIRE RATED WALL

FIRESTOP SEALANT

SCHEDULE 40 PIPE SLEEVE

GENERAL PLUMBING NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION
- PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING (NYSPC), FIRE (NYSFC), MECHANICAL (NYSMC), ENERGY CONSERVATION CONSTRUCTION (NYSECC), AND FUEL GAS (NYSFGC) CODE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
- APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.
- DO NOT SCALE DRAWINGS. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC 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 FIXED BY DIMENSIONS ARE APPROXIMATE.
- COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURERS REQUIREMENTS FOR INSTALLATION. OPERATION, AND MAINTENANCE, CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
- MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 10. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
- PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
- 12. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, 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 STRAIGHT SECTION OF PIPE UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
- COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
- 16. COMPLETE ALL PRESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED.
- 17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS 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 PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
- 19. INSTALL PIPING, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS
- 20. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ACCESSIBLE FIXTURES. MOUNT ALL SUCH FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- PROVIDE ACCESS DOORS IN WALLS, PARTITIONS, AND CEILINGS AS REQUIRED TO MAKE VALVES, WATER HAMMER ARRESTERS, ETC. READILY ACCESSIBLE.
- ARRANGE FOR, COORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY UTILITY COMPANIES AND AUTHORITIES HAVING
- 23. INSTALL FIXTURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL
- 24. CORE DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
- FOOTING PENETRATIONS.

25. INSTALL LINK SEAL TYPE PROTECTION FOR WATER RESISTANT SEALS AT ALL SLAB AND BELOW GROUND WALL

- 26. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL PLATE IN FINISHED WALLS
- 27. FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH THE NEW YORK STATE PLUMBING CODE ON ALL INCOMING DOMESTIC WATER SYSTEMS IN EXCESS OF 80 P.S.I.G.
- 28. COVER ALL COPPER PIPING BELOW SLAB WITH "ARMAFLEX" TYPE INSULATION.
- 29. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE DRAINAGE 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 ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.
- 32. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED FOR LOW LEAD.
- 33. ANY PENETRATIONS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 NYSECC RESIDENTIAL AND COMMERCIAL
- ALL PIPING IN PLENUM SPACES SHALL BE CAST IRON FOR SANITARY, STORM, VENT SYSTEMS, AND COPPER PIPING FOR DOMESTIC SYSTEMS, AND STEEL PIPING FOR GAS SYSTEMS. NO PLASTIC PIPING ALLOWED.

REINFORCING ROD COMPACTED FILL

REFER TO

SPECIFICATIONS

FOR MATERIAL

PROVIDE AT EACH JOINT					
	PIPE DIAMETER	ROD DIAMETER			
	UP TO 2"	3/8"			
	2 1/2" - 4"	1/2"			
	5" - 6"	5/8"			
	8" - 10"	3/4"			
	12" - 16"	7/8"			

Underground Piping Support Below Slab Detail

DEMOLITION NOTES

- 1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
- 2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN
- 3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

- 1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
- ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING
- MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
- REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS. CONTRACTOR TO CONTACT BUILDING MANAGEMENT AND TENANT REGARDING REMOVAL SCOPE OF WORK TO

6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW:

PLUMBING FIXTURES

FIXTURE NO.

SK-2

HANGER SPACING

ABS PIPE

BRASS PIPE

CAST-IRON PIPE

ALUMINUM TUBING

CPVC 1" OR SMALLER

STEEL PIPE

PVC PIPE

POLYETHYLENE

CPVC 1-1/4" OR LARGER

ALUMINUM/ POLYETHYLENE

STAINLESS STEEL DRAINAGE

COPPER OR COPPER ALLOY PIPE

COPPER OR COPPER ALLOY PIPE 11/4"Ø OR

COPPER OR COPPER ALLOY PIPE 11/2"Ø OR

PIPING MATERIAL

- MAINTAIN CONTINUITY OF ALL SERVICES TO ALL TENANTS WHO ARE TO REMAIN OPERATIONAL AND NOT BE 6.3. ALL EXISTING BUILDING VALVES FOR DOMESTIC WATER MAINS AT SHAFTS ARE TO REMAIN.
- PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF
- COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.

3. ALL FLOOR DRAINS SHALL HAVE TRAP PRIMER CONNECTION AND BE CONNECTED TO NEAREST PLUMBING FIXTURE.

HORIZONTAL

(FT)

10

10

12

2.67

12

2.67

10

DESCRIPTION

SINK - DROP IN - ELKAY MODEL DRKAD371740RC - ADA CERTIFIED - DOUBLE BOWL -

STAINLESS STEEL, 37-1/4" X 17" X 4"

FAUCET - ELKAY MODEL LKD2439C - GOOSENECK BUBBLER - ELKAY MODEL LK1141A - PUSH BUTTON

SINK - DROP IN - SINGLE BOWL, 21" X 15-3/4" X 6-3/8" - ADA COMPLIANT

FAUCET - CHICAGO MODEL 895-317GN2AE65VPAB - GOOSENECK

1. CHROME PLATE ALL DRAIN PIPE, FITTINGS, P-TRAPS AND SUPPLY LINES THAT ARE EXPOSED, LOCATED WITHIN VANITIES OR ACCESSIBLE CABINETS OR BEHIND WATER CLOSETS

VERTICAL

(FT)

10

15

10

15

10

10

10

10

10

15

10

10

2. MINIMUM CONNECTION SIZES INDICATED ARE EQUIPMENT CONNECTION SIZES OR CODE MINIMUM SIZES, SEE PLANS AND DIAGRAMS FOR ACTUAL SIZES REQUIRED

APPLICABLE CODES

- 2020 NEW YORK STATE BUILDING CODE (NYSBC) 1ST PRINTING
- 2020 NEW YORK STATE FIRE CODE (NYSFC) 1ST PRINTING 2020 NEW YORK STATE PLUMBING CODE (NYSPC) 1ST PRINTING
- 2020 NEW YORK STATE FUEL GAS CODE (NYSFGC) 1ST PRINTING
- 2020 NEW YORK STATE MECHANICAL CODE (NYSMC) 1ST PRINTING 2020 NEW YORK STATE ENERGY CONSERVATION CODE (NYSECC) 1ST PRINTING

NOTE:

- CONTRACTOR SHALL BE RESPONSIBLE TO DEMONSTRATE COMPLIANCE WITH THE NYS DEPARTMENT OF HEALTH LEAD IN WATER REGULATION (10 NYCRR 67-4).
- AT THE CONCLUSION OF NEW PLUMBING WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE SERVICES OF A THIRD PARTY NYS LICENSED ENVIRONMENTAL TESTING LABORATORY TO PROVIDE LEAD TESTING AT ALL NEW LAVATORIES, SINKS, SHOWERS, DRINKING FOUNTAINS AND ALL OTHER FIXTURES WHERE WATER MAY BE CONSUMED FOR DRINKING. TWO COPIES OF THE REPORT MUST

COLD WATER

HANGER ROD SCHEDULE

ROD SIZE

3/8" DIA.

1/2" DIA

HANGER ROD

LOCKING NUT

SUPPORT NUT

PIPE SIZE

UP TO 2"

HEAVY DUTY

CLEVIS HANGER -

2 1/2" THRU 3"

INSULATION WHERE

SPECIFIED SHALL BUT UP

AGAINST PIPE HANGERS

SIZE

FU

- ALL FAUCETS, FITTINGS, AND VALVES MUST COMPLY WITH NSF 61 AND ASTM 372 FOR LOW LEAD PERCENTAGE
- BE SUBMITTED, ONE COPY TO THE ENGINEER AND THE OTHER ONE TO THE OWNER.

MINIMUM CONNECTION SIZES (IN)

FU

SIZE

1-1/2

1-1/2

ROD SIZE

5/8" DIA.

DFU

1-1/2

1-1/2

HANGER ROD

LOCKING NUT

SUPPORT NUT

VAPOR BARRIER

INSULATION

16 GAUGE ZINC COATED

SHEET STEEL SADDLE

AT LEAST 12" LONG.

TEMPERED WATER

SIZE

1/2

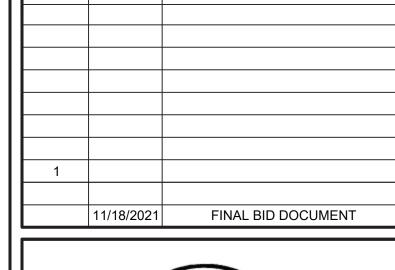
1/2

PIPE SIZE

4" THRU 5"

HEAVY DUTY

CLEVIS HANGER



2700 Westchester Avenue, Suite 415

Purchase, NY 10577 914.358.5623 • www.h2m.com

engineers

DESCRIPTION



"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL"								
DESIGNED BY:	DRAWN BY:		CHECKED BY:		REVIEWED BY:			
JRM		PMA	JRM		Q			
PROJECT No.: IRSD2003		NOVEME	BER 2021	21 AS SHOWN				

Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

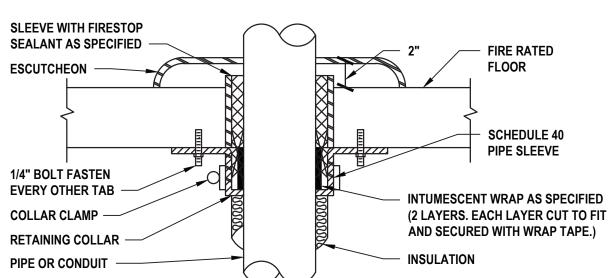
CONTRACT G GENERAL CONSTRUCTION, **ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK**

FINAL BID DOCUMENT

GENERAL NOTES, LEGENDS, ABBREVIATIONS, SCHEDULES & DETAILS

P0.0





Pipe Penetation Through Floors Detail