construct connect insight

Site Construction, 12th Elementary School

Category:	Elementary, Pre Schools	Project ID #:
Street Address:	315 Flyfoot Dr. Stephenson VA 22656	Staff Estimate
County:	Frederick	Stage:
Bid Date:	7/10/2018,02:00PM	
Architect:	Grimm + Parker Architects - Tysons	
Documents Available:	Plans, Specs available in Insight	Plans availabl
Last Update:	6/9/2018	Ascent Engine

e Value

1004743545 \$250.000.00 **BIDDING - Biddate Set**

ole from ABC Imaging eering Group was added as Plumbing Engineer

Personal Notes	6		
User	Note	Update Date	Private?
Adam Sweet	1,500 GALLON GREEN TURTLE GREASE INTERCEPTOR	6/11/2018	False

Project Events		
Event	Date	Details
Bid Date	7/10/2018 , 02:00PM	Project has been Re-Bid. Bids shall be received according to the time stamp clock in Room #3, to the attention of Kristy Varda, Purchasing Supervisor, Frederick County Public Schools, Room #3, 1415 Amherst Street, Winchester, VA 22601, at which time they will be opened publicly and read aloud. Bids received after this time will not be accepted. All interested parties are invited to attend.
End Date	5/31/2020	
Pre-Bid Meeting	6/20/2018 , 03:00PM	A pre-bid conference will be held at the Project site located at 315 Flyfoot Drive, Stephenson, VA 22656. This will provide an opportunity to answer questions and explain any items requiring further clarification. In the event of rain, the pre-bid conference will be relocated to the Frederick School Board Office, located at 1415 Amherst Street, Winchester, VA 22601.
Start Date	8/9/2018	Actual Start Date

Notes

Scope

Site work for an educational facility in Stephenson, Virginia. Completed plans call for site work for a 84,375-square-foot educational facility. You are invited to bid on a general contract for the 12th Elementary School Sitework located at 315 Flyfoot Drive, Stephenson, VA 22656 for the Frederick County School Board. The project consists of all sitework for the new 12th Elementary School. All bids shall be on a lump sum basis. Payment is non-refundable. Bids shall be accompanied by a bid guarantee of not less than 5% of the amount of the bid, which may be a certified check or cashier's check, or a bid bond of the amount of the bid, made payable to Frederick County School Board. A performance bond and a material and labor bond will be required and the cost shall be included in the bid price. Bidders are required under Title 54.1, Chapter 11, Code of Virginia (1950), as amended, to be licensed as a "Class A Contractor" before submitting a bid of one hundred twenty thousand (\$120,000) dollars or more; or to be licensed as a "Class B Contractor" before submitting a bid of seven thousand five hundred (\$7,500) dollars or more but less than one hundred twenty thousand (\$120,000) dollars. Each Bidder will be required to give their State Registration Number on their proposal. All non-resident contractors and subcontractors bidding the work described herein shall proposal. All non-resident contractors and subcontractors bidding the work described herein shall register with the Department of Labor and Industry under the provisions of Section 40.1-30 of the Code of Virginia. The Owner reserves the right to waive irregularities and to reject any or all bids. Bids shall be binding for a period of sixty (60) days from the date on which bids are opened.

- Notes Notes Bid Date: 07/10/2018 02:00PM Project has been Re-Bid. Bids shall be received according to the time stamp clock in Room #3, to the attention of Kristy Varda, Purchasing Supervisor, Frederick County Public Schools, Room #3, 1415 Amherst Street, Winchester, VA 22601, at which time they will be opened publicly and read aloud. Bids received after this time will not be accepted. All interested parties are invited to attend. Pre-Bid Meeting: 06/20/2018 03:00PM A pre-bid conference will be held at the Project site located at 315 Flyfoot Drive, Stephenson, VA 22656. This will provide an opportunity to answer questions and explain any items requiring further clarification. In the event of rain, the pre-bid conference will be relocated to the Frederick School Board Office, located at 1415 Amherst Street, Winchester, VA 22601. Development include(s): Site Work
- <u>Details</u> [Division 2]: Hazardous Material Abatement, Clearing, Earthwork, Grading, Slope Protection & Erosion Control, Paving & Surfacing, Water Systems, Sewerage & Drainage, Landscaping. [Division 3]: Architectural Concrete. [Division 4]: Clay Unit Masonry, Stone, Marble. [Division 5]: Structural Steel, Metal Joists, Metal Decking, Cold Formed Metal Framing, Metal Fabrications, Metal Stairs, Metal Railings, Expansion Joints. [Division 6]: Rough Carpentry, Firish Carpentry, Architectural Woodwork, Cuetom Carpeverk. [Division 7]: Woterreacting, Insulation Eiropacting, Firestopping, Metal Fabrications, Structural Moodwork, Custom Casework. [Division 7]: Waterproofing, Insulation, Fireproofing, Firestopping, Manufactured Roofing & Siding, Membrane Roofing. [Division 8]: Metal Doors, Wood Doors, Plastic Doors, Coiling Doors and Grilles. Sectional Overhead Doors. Entrances & Storefronts. Hardware. Glass & Glazing. Report Date: 6/11/2018 5:59:41 AM © 2018 ConstructConnect. All Rights Reserved. Page 1 of 3

[Division 9]: Ceiling Suspension Systems, Drywall/Gypsum, Tile, Acoustical Ceilings, Acoustical Walls, Wood Flooring, Resilient Flooring, Carpet, Painting, Wall Coverings. [Division 10]: Visual Display Boards, Compartments & Cubicles, Louvers & Vents, Wall & Corner Guards, Flagpoles, Directories, Interior Signs, Lockers, Protective Covers, Storage Shelving, Toilet & Bath Accessories. [Division 11]: Audio-Visual Equipment, Parking Control Equipment, Loading Dock Equipment, Food Service Equipment, Athletic Equipment. [Division 12]: Manufactured Casework, Window Treatment, Rugs & Mats. [Division 13]: Ground Storage Tanks, Elevated Storage Tanks, Underground Storage Tanks. [Division 14]: Elevators, Wheelchair/People Lifts. [Division 15]: Mechanical Insulation, Fire Protection Systems, Plumbing Piping, Plumbing Fixtures, Steam & Steam Condensate Piping, Boilers, Cooling Towers, Heat Pumps, Air Handling, Ductwork, Testing & Balancing. [Division 16]: Service/Distribution, Interior Lighting, Exterior Lighting, Standby Power Generator Systems, Alarm & Detection Systems, Clock/Program Systems, Voice & Data Systems, Public Address Systems, Television Systems.

Additional Details

Listed On:	4/20/2018	Floor Area:	84,375Square Feet
Contract Type:		Work Type:	Alteration
Stage Comments 1:		Floors Below Grade:	
Stage Comments 2:		Owner Type:	City
Bid Date:	7/10/2018	Mandatory Pre Bid Conference:	-
Invitation #:	18018, 034-56-00-100, 07-16-	Commence Date:	8/9/2018
	0271,21566		
Structures:	1	Completion Date:	5/31/2020
Single Trade Project	• •	Site Area:	
Floors:		LEED Certification Intent:	
Parent Project ID:		Units:	
Parking Spaces:			

Project Participants

Company Role	Company Name	Contact Name	Address	Phone	Email	Fax
Consultant	Food Service Consultants Studio		9432 Atlee Commerce Blvd #L, Ashland, VA 23005	(804) 550- 2090		
Mechanical Engineer	CMTA, Inc - Lexington		2429 Members Way , Lexington, KY 40504	(859) 253- 0892		(859) 231- 8357
Plans Representative	ABC Imaging		8474 Tyco Rd. c. , Vienna, VA 22182	(703) 848- 2997		
Plumbing Engineer	Ascent Engineering Group		5228 Valleypointe Pkwy, Suite 4, Roanoke, VA 24019	(540) 265- 4444		(540) 265- 4445
Owner	Frederick County Public Schools	David Sovine	1415 Amherst St. , Winchester, VA 22604	(540) 662- 3888	sovined@email.freder ick.k12.va.us	(540) 722- 2788
Architect	Grimm + Parker Architects - Tysons	David Wolf	8609 Westwood Center Dr. Suite 425, Tysons, VA 22182	(703) 903- 9100	dwolf@gparch.com	(703) 903- 9755
Structural Engineer	Lynch Mykins - Richmond Office	Garrett Braun	1503 Santa Rosa Rd Suite 210, Richmond, VA 23229	(804) 346- 3935		(804) 346- 1171
Geotechnical Consultant	Triad Engineering Inc.	Randy Moulten	200 Aviation Dr. , Winchester, VA 22602	(540) 667- 9300		(540) 667- 2260
Civil Engineer	Pennoni Associates Inc. / Winchester	Ronald A. Mislowsky	117 E. Piccally St. Ste. 200, Winchester, VA 22601	(540) 667- 2139		(540) 665- 0493

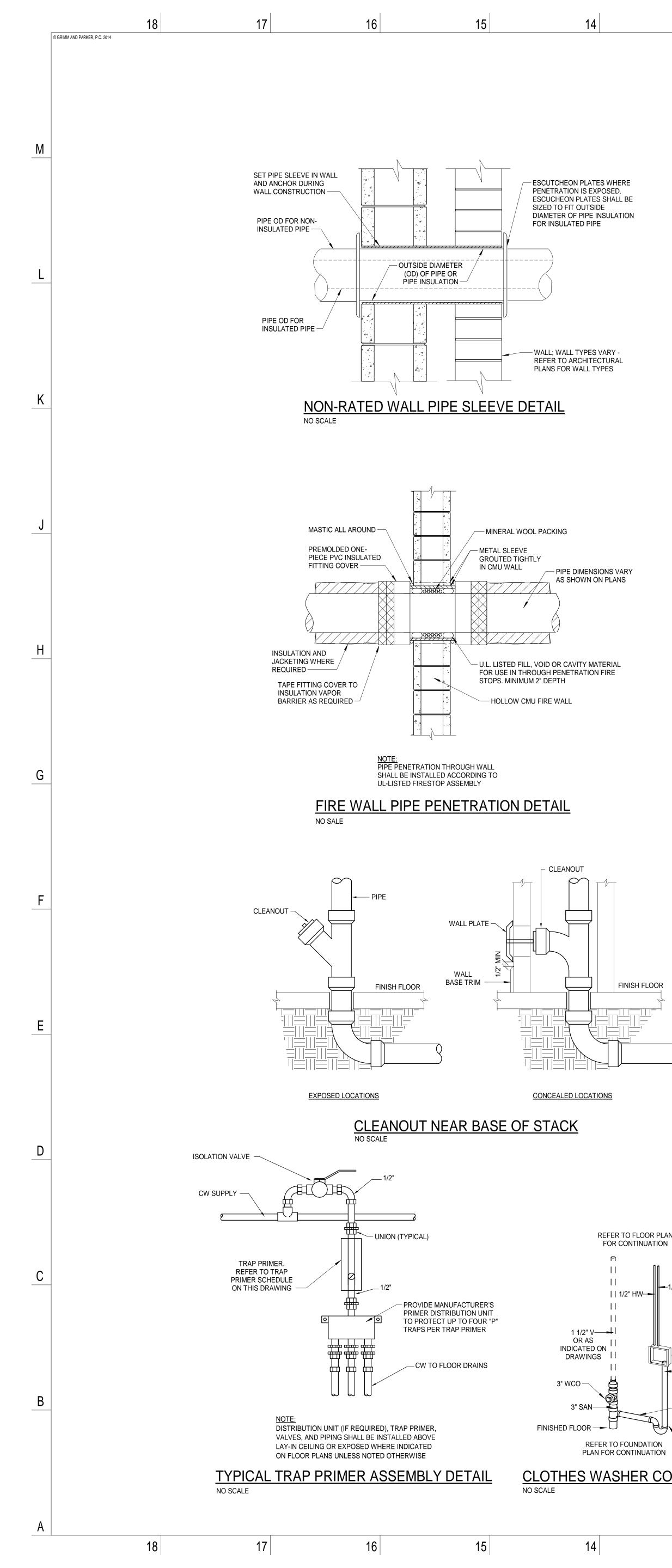
Bidders								
Company Name	Contact Name	Added Date	Address	Phone	Email	Bidding Role	Bid Rank	Fax Number
Perry Engineering	Denise Rudolph	18	1945 Millwood Pike , Winchester, VA 22602	(540) 667- 4310	drudolph@per ryeng.com	Prospective Bidder - General Contractor		(540) 667- 7618
Laurita, Inc.	Ott Meale	18	302 Dents Run Road , Morgantown, WV 26501	2-04	<u>ott@laurita.co</u> <u>m</u>	Prospective Bidder - General Contractor		(304) 292- 4606
Centennial Contractors	Kyle Conklin	4/30/20 18	11111 Sunset Hills Road.	(703) 885- 4600	kconklinn@cc e-inc.com	Prospective Bidder -		(703) 885- 4601

Enterprises Inc.			Suite 350, Reston, VA 20190			General Contractor	
Pine Knoll Construction	Ron Whitfield	4/30/20 18	115 Jeffs Way, , Clear Brook, VA 22624	(540) 667- 3092	ron@pineknoll construction.c om		
J. R. Caskey, Inc	Ginger Caskey	4/30/20 18	P. O. Box 305 , Oilville, VA 23129	(804) 784- 8001	gec@jrcaskey. com	Prospective Bidder - General Contractor	(804) 784- 8003
DeBorn Construction Inc.	Debbie Munoz	4/30/20 18	3743 Wertz Dr. , Dale City, VA 22193	(703) 298- 7642	<u>debornconstru</u> <u>ction@verizon.</u> <u>net</u>	Prospective Bidder - General Contractor	(703) 580- 0793
Kiewit Building Group	Andrew Grimball	4/30/20 18	1765 Greensboro Station Place, Tower 1, Suite 400, McLean, VA 22102	(703) 415- 2689	andrew.grimb all@kiewit.co m	Prospective Bidder - General Contractor	(703) 414- 9869
Howard Shockey & Sons, Inc.	Karen Butler	4/30/20 18	1057 Martinsburg Pike , Winchester, VA 22603	(540) 667- 7700	<u>kbutler@howa</u> <u>rdshockey.co</u> <u>m</u>	Prospective Bidder - General Contractor	(540) 678- 3450
Kanawha Stone Company	Eileen Prosser	4/30/20 18	9986 Spotswood Trail , McGaheysville, VA 22840	(540) 289- 1414	estimating@k anawhastone. com	Prospective Bidder - General Contractor	(540) 289- 1415
Pastore Construction	Matthew Pastore	4/30/20 18	115 Greystone Drive , Front Royal, VA 22630	(540) 671- 4772	<u>matt@pastore</u> <u>dev.com</u>	Prospective Bidder - General Contractor	
Planholder	s						
Company Na	ame Cor	ntact Na	me A	ddress	Pho	ne Email	Fax
Graybar - Char		an Pasto	r 1()10 Young St.	, (304	I) 206-	(304) 344-

Company Name	Contact Name	Address	Phone	CIIIdII	гах
Graybar - Charleston	Susan Pastor	1010 Young St. , Charleston, WV 25301	(304) 206- 3600		(304) 344- 0324
Viola Engineering	Tim Price	172-2 Imboden Drive , Winchester, VA 22603	(540) 313- 4270		(540) 313- 4217
Branch Civil	Molly Roland	1100 Boulders Parkway Suite 600, Richmond, VA 23225	(804) 625- 8333	molly.roland@branchcivil .com	
B F Wise & Sons	Lisa Lane	3890 Ridgeview Rd , Reva, VA 22735	(540) 547- 2918		

Contracts					
Classification	Conditions	Bonding	Bid Date	Bids To	Bid Type
General Contractor		Bid:5.00%,Perf:100.0 0%,Pay:100.00%	7/10/2018	Owner	Open Bidding
History					

mistory				
User	Viewed	First Viewed Date	Currently Tracked?	Date Tracked
Adam Sweet	True	6/11/2018	True	6/11/2018



13

TAG

FD-A

<u>FD-B</u>

FD-C

<u>FD-D</u>

12

EQUIPMENT DESCRIPTION

FLOOR DRAIN, GENERAL USE

FLOOR DRAIN, GENERAL USE

FLOOR DRAIN, EQUIPMENT USE

FLOOR DRAIN, EQUIPMENT USE

11

DRAIN SCHEDULE

STRAINER SIZE

(INCHES)

8" ROUND

8" ROUND

12" ROUND

12" SQUARE

10

BASIS OF DESIGN

MODEL #

30000-8A

30000-8A-F4

32100-TG

37830-7

MANUFACTURER

JOSAM

JOSAM

JOSAM

JOSAM

9

TAG

<u>CP-1</u>

<u>SP-1</u>

SCHEDULE

(1)

(1), (8)

(1), (3)

(1), (2)

NOTES

8

LOCATION

B117 MECHANICAL

ELEVATOR PIT

 CP-2 / CP-3
 B117 MECHANICAL

RD-B ROOF DRAIN 12" ROUND DOME JOSAM 22010-1-66 (4) SRD SECONDARY ROOF DRAIN 15" ROUND DOME JOSAM 21500-AE-16-22 (4), (5) OSD OPEN SITE DRAIN 9" ROUND EXT RIM JOSAM 30000-9E1-J (1), (6), SCHEDULE NOTES (1) SET DRAIN GRATE FLUSH WITH FINISHED ELEVATION OF SLOPED FLOOR LOW POINT. (2) PROVIDE REMOVABLE SEDIMENT BUCKET.												
 (3) PROVIDE DOUBLE DRAINAGE FLANGED TRACTOR GRATE. (4) PROVIDE INSTALLATION AS REQUIRED TO MAINTAIN ROOFING SYSTEM WARRANTY. 		TAG EQUIPMENT DES G-1 PASSIVE GREASE INTERCOMPANY		INLET & OUTLET SIZE (INCHES) 4	INTER TANK VOLUME (GALLONS) 1500	CEPTO MAXIM FLOW R (GPM 200	ATE CAPA I) (GALI	/ SOLIDS ACITY	TANK CONSTRUCTION MATERIAL FIBERGLASS	BASIS OF MANUFACTURER GREEN TURTLE	DESIGN MODEL # GMC1500	SCHEDUL NOTES (1)
 (5) PROVIDE 2" INTERNAL WATER DAM. (6) PROVIDE ADJUSTABLE STRAINER BACKWATER VALVE. (7) PROVIDE ACID RESISTANT INTERNAL DOME STRAINER. (8) PROVIDE 4" ROUND FUNNEL ATTACHED TO DRAIN GRATE. TERMINATE INDIRECT WASTE TO FUNNEL THROUGH AIR GAP. (9) PROVIDE NO-HUB SIDE OUTLET CONNECTION. 		SCHEDULE NOTES: (1) PROVIDE BEDDING, CC	NCRETE BASE, AND A	NTI FLOAT ANCHOR	RING ASSEMBLY IN	STRICK COMPI		MANUFACTU	RER'S DOCUMEN	TATION.		
BACKFLOW PREVENTER SCHEDULE				<u>WAT</u>	ER SOFT	ENER S	<u>SCHEDUL</u>	. <u>E</u>				
TAG DEVICE TYPE MANUFACTURER MODEL # CONNECTION SIZE (IN) PEAK DESIGN PRESSURE DROP (PSI) PEAK DESIGN (GPM) SCHEDULE NOTES	TAG	EQUIPMENT DESCRIPTION	INLET & OUTLET SIZE (INCHES)	(GPM)	DROP (PSI)	SALT FILL (LBS)	SOFTENING CAPA MAX M	IN MA		BASIS OF MANUFACTURER	MODEL #	SCHEDUL NOTES
BFP-1 RPZ WATTS 957Z 4 8 220 (1), (2) BFP-2 RPZ WATTS LF909M1QT 1 1/2" 8 45 (1), (2) BFP-3 RPZ WATTS LF909QT 1" 12 20 (1), (2)	<u>WS-1</u> SCHED	DUPLEX ALTERNATING WATER SOFTENER WITH FLOW METER DULE NOTES: (1) ROUTE SOFTENER SYSTEM DRAIN	3 FULL SIZE TO FLOOR	158 / 212 DRAIN, TERMINATE	15 / 25 THROUGH AIR GA	2200 P.	450K 30	0К 22	25 90	WATTS	M4112TA-39NT	(1)
 SCHEDULE NOTES: (1) ASSE 1013 COMPLIANT. (2) PROVIDE MANUFACTURER'S AIR GAP FITTING, AND ROUTE INDIRECT WASTE LINE FULL SIZE FROM AIR GAP OUTLET TO NEAREST FLOOR DRAIN OR AS INDICATED. 				MI	XING VAI	_VE SCI	HEDULE					
	TAG	LOCATION SYSTEM	ТҮРЕ	OUTLET	PRESSURE L			ONNECTIONS	S	BAS	S OF DESIGN	SCHED
TRAP PRIMER SCHEDULE TAG DEVICE TYPE MANUEACTURER MODEL # CONNECTION ACTIVATION PRESSURE ELECTRICAL SCHEDULE	<u>MV-1</u> <u>MV-2</u>	B117 MECHANICAL ROOM HW / HWR GENERAL POINT OF USE TW	ELECTRONIC	SETTING 125 °F 105 °F	FLOW	OSS CW 5/10 11, 5 1/2	/2" 1 1/2"	HW OUT 1 1/2" 1/2"		R OUT MANUFACTURE 1" ARMSTRONG - LEONARD		(1)
TAG DEVICE TYPE MANUFACTURER MODEL # OWNED TO NOTES PRESSURE DROP (PSI) DROP (PSI) NOTES <u>TP-1</u> ELECTRIC PPP SMP-500 1/2" N/A 120V / 1PH PLUG & CORD (1), (2), (3), (4)	<u>MV-3</u>	EMERGENCY SHOWERS TW	THERMOSTATIC	85 °F	22	5 1		1 1/4"	-	- BRADLEY	BV-DT S19-2000-EFX8 SS-W	
<u>TP-2</u> ELECTRIC PPP PTS-6 3/4" N/A 120V / 1PH HARDWIRED (1), (2), (4) SCHEDULE NOTES:	SCHEDU	ULE NOTES: (1) ASSE 1017 COMPLIANT. (2) ASSE 1070 COMPLIANT. (3) ANSI Z358.1 COMPLIANT.										
 ASSE 1044 COMPLIANT. MOUNT ABOVE CEILING UNLESS NOTED OTHERWISE. PROVIDE ACCESS DOOR EQUAL TO JAY R. SMITH #4782 FOR MAINTENANCE ACCESS AS REQUIRED. PROVIDE PPP #DU-4-625 DISTRIBUTION UNIT TO PRIME MULTIPLE "P" TRAPS. LABEL EACH PRIMER OUTLET TUBE IDENTIFYING WHICH TRAP IT PRIMES. 	L											
		WATER	RHEATER	SCHEDUL	<u>E</u>							
TAG EQUIPMENT LOCATION EQUIPMENT DESCRIPTION STORAG CAPACIT	ITY 🛛 (GPH @ 10	00F TEMP (F)	ION SIZES		TION AIR SIZES	NATURAL GA					OF DESIGN	SCHED
GWH-1 MECHANICAL ROOM B117 GAS FIRED INDIRECT CONDENSING WATER HEATER, 95% EFFICIENT N/A		Image: Constraint of the second sec	&P DRAIN - 3/4"	GAS INTAKE 3/4" 4"	E EXHAUST 4"	MBH P 285		KW FL AMPS	VOLTS PHA 120 1	LAARS	NVT 285	(1), (2), (3
<u>GWH-1</u> MECHANICAL ROOM B117 GAS FIRED INDIRECT CONDENSING WATER HEATER, 95% EFFICIENT N/A <u>ST-1</u> MECHANICAL ROOM B117 ASME GLASS LINED STORAGE TANK, RIGID FOAM INSULATION, ACRYLIC TOPCOAT 432		140 2" 2" 140 3" (x2) 2 1/2" 1	- 3/4"	3/4" 4"	4"	285	12" wc 8.0 F	FL AMPS	120 1	LAARS LAARS	NVT 285 STVGI-36090-M	(1), (2), (3 CS (5)
ET-1MECHANICAL ROOM B117THERMAL EXPANSION TANK, ASME, DIAPHRAM-SCHEDULE NOTES:(1) PROVIDE MANUFACTURER'S NEUTRALIZER KIT AND CONDENSATE DRAIN ASSEMBLY PEI (2) PROVIDE 4" SCHEDULE 40 CPVC COMBUSTION AIR INTAKE AND 4" SCHEDULE 40 CPVC E. (3) PROVIDE WATER HEATER STORAGE CIRCULATING PUMP (PROVIDED WITH BASIS OF DE (4) PROVIDE WATER HEATER / STORAGE TANK PIPING MANIFOLD ACCORDING TO MANUFAC (5) MAINTAIN CLEARANCE FOR ACCESS TO TANK MANWAY. (6) FLOOR MOUNTED 18 GALLON TANK, 0.61 ACCEPTANCE FACTOR, 16" DIAMETER x 24" TAL	EXHAUST PIPING / DESIGN WATER HE ACTURER'S DOCUI	ACCORDING TO MANUFACTURER'S DOCUMENTED V EATERS), AND FIELD WIRING FOR WATER HEATER E MENTATION INCLUDING VALVES, PIPING ACCESSOF	ERTICAL VENTING CO QUIPMENT POWER AN IES AND EQUIPMENT	ONFIGURATION. ND CONTROLS.		-	-	-		AMTROL	ST-42V-C	(6)
HOT W	ATER INLET —											
FULL POI BALL VAL				COLD V	WATER INLET							
DETAIL NOTES			ATER OUTLET	FULL BALL	VALVE BUILD	ING HWR RN INLET						
(1) SUMP PUMP, REFER TO PUMP SCHEDULE SUPPORT, OR FORM 1 1/2" SHELF AT TOP OF STRAIN (2) CHECK VALVE SUMP PIT CONCRETE POUR FOR GRATE SUPPORT (3) GATE VALVE (8) WATER TIGHT PIPE SLEEVE (TYPICAL) BRACKET CLAMP,			STRAINER			FULL PORT BALL VALVE		CARRIER	0' - 0 1/1	6" ** WATER	CLOSET BOWL SHO	ULD
 ALARM PANEL WITH AUDIBLE ALARM, INDICATOR LIGHTS AND REMOTE MONITORING CIRCUIT 3" PVC CONDUIT FOR POWER AND ALARM CABLES, PROVIDE LONG RADIUS BENDS 1" GRATING TO FIT SUMP OPENING, PROVIDE CUT-OUT IN GRATING FOR DISCHARGE PIPING CHECK VA 		UNION (TYPICAL)					SL	JPPORTING STUD -		BE TIGHTE FOUR SUF NUT WAS NUTS TO	ACT FINISHED WALL NED EVENLY AGAINS PORTING STUD BEA HERS. ADJUST BEAR ASSURE TOP OF TOI WL RIM IS LEVEL.	ST ALL RING RING
AS REQUIRED DRAWINGS R PLAN TION 2" PUMP DISCHARGE, REFER TO DRAWINGS FOR TO DRAWINGS FOR					- STRA	NINER	E		Ţ	FINISH CAP NU	т	
					Сн	ECK VALVE	F	AND WASHER	₹\ ^/		NISHED WALL JRFACE	
ELEVATOR PIT	DIGIT				UN (TYP	ION ICAL)					TOILET	
PIT FLOOR	PROVID											
24"x24"x24" MINIMUM SIZE SUMP PIT, MINIMUM 20"	• COMPLY	NENTS AS INDICATED HERE AND IN ACTURER'S DOCUMENTATION. Y WITH MANUFACTURER'S INSTALLATION AND						ROD LL 1/2" RC ANCHC			FINISHED	
MAXIMUM 40" LENGTH STANDPIPE FIXTURE BRANCH MAXIMUM LENGTH: 6' 0".	REFER T CAPACIT	IP DOCUMENTATION. TO SCHEDULE ON DRAWINGS FOR SYSTEM TY, CONNECTION SIZES AND MIXED OUTLET	ے ح					CARRIEF	R		STRUCTURAL	_
ION	PROVIDE EQUIVAL	RATURE SETTING. E UNISTRUT MOUNTING ASSEMBLY AS INDICATED C LENT MOUNTING SYSTEM TO SECURE MIXING	R	OUTLET RE TO WAT	TER			FEET*	SECU STRU(1/2" ST/	RRIER FEET MUST BE RELY ANCHORED TO CTURAL FLOOR WITH AINLESS STEEL BOLTS	FLOOR	
CONNECTION BOX ELEVATOR SUMP PUMP DETAIL NO SCALE	CENTER	R TO STRUCTURE AT BRACKET POINTS INDICATED. DIGITAL MIXING VAL NO SCALE	<u>.VE (MV-1)</u>	HEATE			WALL I	MOUN		CONCRETE ANCHORS	CARRIER	DETAIL

1				I	I
7	6	5	4	3	2
					·

PUMP SCHEDULE														
SYSTEM	BASIS OF DESIGN		PUMP TYPE	FLOW	TOTAL HEAD	SUCTION SIZE								
	MANUFACTURER	MODEL #		RATE (GPM)	(FEET)	(IN)	SIZE (IN)	SPEED (RPM)	POWER	VOLTS	PHASE	HERTZ	S	
HWR	GRUNDFOS	MAGNA3 32-100 (N)	INLINE	14	30	1"	1"	N/A	1/5 HP	115	1	60		
STORAGE	LAARS	(1)	INLINE	-	-	1-1/2"	1-1/2"	-	-	-	-	-		
SUMP PUMP	STANCOR	SE-50	SUBMERSIBLE	50	22	N/A	2"	3450	0.5 HP	115	1	60		
												Í		

