

SPECIALTY SCHEDULE

CO - 1 FLOOR CLEANOUT

DESCRIPTION: ROUND DECK PLUG, 4-3/4"ø FOR A 3" PIPE SIZE & 6"ø FOR A 4" PIPE SIZE. ALL NICKEL BRONZE CONSTRUCTION WITH A POLISHED SCORIATED WATER TIGHT COVER WHICH REQUIRES A SPANNER WRENCH FOR REMOVAL. JR SMITH OR EQUAL FIGURE NO. 4890C

CO - 2 WALL CLEANOUT

DESCRIPTION: DUCO CAST IRON SPIGOT FERRULE WITH CAST BRONZE TAPER THREADED PLUG. CHROME PLATED BRONZE ROUND FRAME AND SECURED FACE OF WALL COVER. JR SMITH OR EQUAL MODEL NO. 4436C

CO - 3 FLOOR CLEANOUT

DESCRIPTION: 8-3/4" DIAMETER DUCO CAST IRON SECURED COVER, DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED COVER WITH LIFTING DEVICE, CLOSURE PLUG AND INSIDE CAULKED OUTLET. CLEANOUT SHALL BE INSTALLED IN NON-SURFACED, CONCRETE, OR ASPHALT PAVED AREAS. JR SMITH OR EQUAL FIGURE NO. 4256C

CO - 4 FLOOR CLEANOUT

DESCRIPTION: USED FOR TERRAZZO AND SIMILAR POURED FLOORS, RECESS IN COVER IS FILLED WITH THE FLOOR MATERIAL. DUCO CAST IRON CLEANOUT 5 3/4" DIAMETER COVER, ADJUSTABLE SECURED NICKEL BRONZE TOP WITH 1/2" TERRAZZO RECESS. MANUFACTURED BY JAY R. SMITH FIGURE NO. 4185 C.

FD - 1 FLOOR DRAIN

DESCRIPTION: DUCO CAST IRON BODY, WITH FLASHING COLLAR AND 6" DIAMETER GRATE ADJUSTABLE STRAINER HEAD, CAULKED OUTLET. ROUND TOP AND DEEP SEAL TRAP WITH REMOVABLE SEDIMENT BUCKET. MANUFACTURED BY JAY R. SMITH OR EQUAL FIGURE NO. 2010-C-A.

FD-2 FLOOR DRAIN

DESCRIPTION: 14 GAUGE TYPE 304 STAINLESS STEEL RECEPTOR BODY, WITH SEEPAGE CONTROL HOLES, 10-1/2" SQUARE NICKEL BRONZE RIM AND SECURED RIM GRATE WITH 1/2" SQUARE HOLES. SEDIMENT BUCKET, DEEP SEAL TRAP AND NO-HUB OUTLET. JR SMITH OR EQUAL FIGURE NO. 3007NB

FD-3 FLOOR DRAIN

DESCRIPTION: DUCO CAST IRON BODY, HEAVY DUTY WIDE WITH FLASHING COLLAR 8-3/4" DIAMETER HEAVY DUTY TRACTOR GRATE, CAULKED OUTLET, VANDAL PROOF, AND DEEP SEAL TRAP WITH DOME BOTTOM STRAINER, MANUFACTURED BY JAY R. SMITH OR EQUAL FIGURE NO. 2614C-DBS-U

FN - 1 FUNNEL DRAIN

DESCRIPTION: 7" DIA. INDIRECT WASTE FUNNEL DRAIN, DUCO CAST IRON WITH ACID RESISTANT COATED INTERIOR, ALUMINUM DOME BOTTOM STRAINER, CAULKED 3" PIPE SIZE OUTLET. JR SMITH OR EQUAL MODEL NO. 3811C-DBS.

FN - 2 FUNNEL DRAIN

DESCRIPTION: 4"x8" RECTANGULAR INDIRECT SHALLOW WASTE RECEPTOR CAST IRON, WITH ACID WORKING PRESSURE OF 150 PSI AND A MAXIMUM WORKING TEMPERATURE OF 200°F. ALL INTERNAL WETTED PARTS MUST COMPLY WITH FDA REGULATIONS AND APPROVALS. AN INTERNAL BUTYL DIAPHRAGM WILL BE USED TO ISOLATE AIR CHARGE FROM WATER. AMTROL "THERM-X-TROL"MODEL NO. ST-5C OR EQUAL.

FS - 1 FLOOR SINK

DESCRIPTION: 10" DEEP CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR, NICKEL BRONZE RIM AND SECURED ONE HALF 12" SQUARE GRATE, ALUM. SEDIMENT BUCKET AND DEEP SEAL TRAP. MANUFACTURED BY JAY R. SMITH OR EQUAL FIGURE NO. 3131-C-12

FS - 2 FLOOR SINK

DESCRIPTION: 10" DEEP CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR, NICKEL BRONZE RIM AND LESS 12" SQUARE GRATE, ALUM. DOME BOTTOM STRAINER AND DEEP SEAL TRAP. MANUFACTURED BY JAY R. SMITH OR EQUAL FIGURE NO. 3130-C-11

RD - 1 ROOF DRAIN

DESCRIPTION: GALVANIZED CAST IRON BODY WITH ADJUSTABLE EXTENSION SLEEVE, REVERSIBLE COLLAR, COMBINED FLASHING CLAMP AND GRAVEL STOP, UNDERDECK CLAMP, AND LOW PROFILE POLYETHYLENE DOME. JR SMITH OR EQUAL FIGURE NO. 1015C-C-G

AG-1 AIR GAP FITTING

DESCRIPTION: AIRGAP FITTING TO PROVIDE UNOBSTRUCTED SEPARATION BETWEEN THE BACKFLOW PREVENTOR RELIEF VALVE PORT, THE POTABLE WATER SUPPLY & THE DRAINAGE SYSTEM, CONSTRUCTED OF EPOXY COATED CAT IRON WITH A NPT OUTLET. WATTS OR EQUAL MODEL No. 909AGK

AG-2 AIR GAP FITTING INDIRECT WASTE OUTLETS

DESCRIPTION: DUCO CAST IRON WITH THREADED OUTLET ONLY, FOR INDIRECT WASTE OUTLETS FROM FIXTURES, FOR PIPE SIZE SEE CONTRACT DRAWINGS. JR SMITH OR EQUAL FIGURE NO. 3951T

WH WALL HYDRANT

DESCRIPTION: KEY OPERATED FROST PROOF, BRONZE NICKEL PLATED, QUARTER TURN NON-FREEZE HYDRANT WITH HOSE CONNECTION, VACUUM BREAKER, 3/4" NPT INLET, "T" HANDLE KEY, & STAINLESS STEEL BOX WITH FULL 180° COVER OPENING. JR. SMITH OR EQUAL FIGURE NO. 5509QT

HB DOMESTIC WATER HOSE BIBB

DESCRIPTION: 3/4" MALE NPT, HEX SHOULDER TEE HANDLE, WITH SEPARATE NON REMOVABLE VACUUM BREAKER, IP INLET HOSE END, CAST BRASS. WATTS OR EQUAL MODEL NO. SC-6. HOSE CONNECTION VACUUM BREAKER WATTS OR EQUAL MODEL NO 8B

WHA - 1 WATER HAMMER ARRESTOR

DESCRIPTION: ALL STAINLESS STEEL SHOCK ABSORBERS, HEAVY DUTY BALANCED EXPANSION BELLOWS, NON-TOXIC HYDRAULIC MINERAL OIL, AND THREADED NPT ENDS. CONTRACTOR SHALL INSTALL SHOCK ABSORBERS AT ALL SOLENOID, REMOTE OPERATED, QUICK CLOSING VALVES, AND INCLUDING ALL LOCATIONS SHOWN ON CONTRACT DRAWINGS. THE P.D.I. FIXTURE UNIT RATINGS SHALL BE RATINGS SHALL BE THE FOLLOWING: A=1-11 F.U.-3/4", B=12-32 F.U.-1", C=33-60 F.U.-1", D=61-113 F.U.-1", E=114-154 F.U.-1", & F=155-330 F.U.-1". JR. SMITH OR EQUAL SERIES 5000

EJP-1 SEWAGE EJECTION PUMP

DESCRIPTION: LITTLE GIANT PIT+PLUS SR. MODEL 9SF2VDA1

P-1, 2 & 3 HOT WATER CIRCULATING PUMP

DESCRIPTION: HIGH CAPACITY OUTPUT, COMPOSITE HOUSING, MAXIMUM FLUID TEMPERATURE 220 DEG. F. AND MAXIMUM PRESSURE 203 PSI. 120 VOLTS, 60 Hz, SINGLE PHASE, 0.54 AMPS, 1440-3720 RPM. TACO OR EQUAL MODEL No 006e3LC

TCV-1 DOMESTIC HOT WATER MIXING VALVE

DESCRIPTION: CORROSION RESISTANT WITH A REPLACEABLE THERMOSTATIC SHUTTLE, A PRE-LOADED SPRING ASSEMBLY WHICH SHALL ACT AS AN OVER-TRAVEL MECHANISM. VALVE BODY CAST BRONZE, BRASS RETAINER AND ADJUSTING SCREW, SHUTTLE SHALL BE NORYL, THERMAL ELEMENT SHALL BE BRONZE/STAINLESS STEEL, "O" RINGS BUNA-N, AND STAINLESS STEEL RETURN AND OVER-TRAVEL SPRING. MAXIMUM WORKING PRESSURE 150 PSIG, OPERATING TEMPERATURE RANGE 33°F-180°F. THE HOT WATER INLET TEMPERATURE SHALL BE BETWEEN 120°F AND 180°F. THE COLD WATER INLET TEMPERATURE SHALL BE BETWEEN 41°F AND 70°F. THE MIXED WATER TEMPERATURE SHALL BE AS NOTED. CONBRACO OR EQUAL MODEL NO. 34C SERIES.

DCDA - 1 DOUBLE CHECK DETECTOR ASSEMBLY (SPRINKLER SERVICE)

DESCRIPTION: THE UNIT SHALL BE A COMPLETE ASSEMBLY INCLUDING UL LISTED RESILIENT SEATED OSY SHUTOFF VALVES AND TEST COCKS. THE UNIT SHALL BE UL/FM APPROVED WITH UL/FM APPROVED OSY SHUTOFF VALVES. THE AUXILIARY LINE SHALL CONSIST OF AN APPROVED BACKFLOW PREVENTER AND WATER METER. THE ASSEMBLY SHALL MEET THE BASIC REQUIREMENTS OF ASSE 1048; AWWA STD. C510FOR DOUBLE CHECK VALVES. EPOXY COATED CAST IRON BODY, BRONZE SEAT, BRONZE DISC HOLDER, STAINLESS STEEL TRIM, RUBBER CHECK VALVE DISCS, BRINZE TEST COCKS, 33°F - 110°F CONTINUOUS, 140°F INTERMITTENT, 175 PSI MAX WORKING PRESSURE. MODEL SHALL BE WATTS 6" 709DCDA.

RPZ - 1 REDUCED PRESSURE ZONE VALVE ASSEMBLY

DESCRIPTION: THE ASSEMBLY SHALL CONSIST OF AN INTERNAL PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED IN A ZONE BETWEEN TWO POSITIVE SEATING CHECK MODULES WITH CAPTURED SPRINGS AND SILICONE SEAT DISCS. SEATS AND SEAT DISCS SHALL BE REPLACEABLE IN BOTH CHECK MODULES AND THE RELIEF VALVE. THERE SHALL BE NO THREADS OR SCREWS IN THE WATERWAY EXPOSED TO LINE FLUIDS. SERVICE OF ALL INTERNAL COMPONENTS SHALL BE THROUGH A SINGLE ACCESS COVER SECURED AND STAINLESS STEEL BOLTS. BODY AND SHUTOFFS SHALL BE CONSTRUCTED USING LEAD FREE CAST COPPER SILICON ALLOY MATERIALS, RELIEF VALVE WITH STAINLESS STEEL SEAT AND TRIM, WITH A MAXIMUM PRESSURE RATING OF 175 PSI AND A TEMPERATURE RANGE OF 33 DEG. F.-180 DEG. F THE ASSEMBLY SHALL ALSO INCLUDE TWO RESILIENT SEATED BALL ISOLATION VALVES, AND FOUR RESILIENT SEATED BALL VALVE TEST COCKS. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF: USC; ASSE STD. 1013; AWWA STD. C511; CSA B64.4. WATTS REGULATOR OR EQUAL MODEL NO. LF009QT-FDA.

EXPTK- 1 DOMESTIC HOT WATER EXPANSION TANK

DESCRIPTION: 2.0 GALLON, 8"ø x14" HIGH PRE-CHARGED HYDROPNEUMATIC STEEL EXPANSION TANK. THE TANK CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION VIII OF THE ASME BOILER AND PRESSURE VESSEL CODE,WITH ALL WELDS CONFORMING TO ASME SECTION IX. THE TANK MUST BE STAMPED WITH A MAXIMUM WORKING PRESSURE OF 150 PSI AND A MAXIMUM WORKING TEMPERATURE OF 200°F. ALL INTERNAL WETTED PARTS MUST COMPLY WITH FDA REGULATIONS AND APPROVALS. AN INTERNAL BUTYL DIAPHRAGM WILL BE USED TO ISOLATE AIR CHARGE FROM WATER. AMTROL "THERM-X-TROL"MODEL NO. ST-5C OR EQUAL.

EXPTK- 2 DOMESTIC HOT WATER EXPANSION TANK

DESCRIPTION: 4.7 GALLON, 12"ø x12-1/2" HIGH PRE-CHARGED HYDROPNEUMATIC STEEL EXPANSION TANK. THE TANK CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION VIII OF THE ASME BOILER AND PRESSURE VESSEL CODE,WITH ALL WELDS CONFORMING TO ASME SECTION IX. THE TANK MUST BE STAMPED WITH A MAXIMUM WORKING PRESSURE OF 150 PSI AND A MAXIMUM WORKING TEMPERATURE OF 200°F. ALL INTERNAL WETTED PARTS MUST COMPLY WITH FDA REGULATIONS AND APPROVALS. AN INTERNAL BUTYL DIAPHRAGM WILL BE USED TO ISOLATE AIR CHARGE FROM WATER. AMTROL "THERM-X-TROL"MODEL NO. ST-12C OR EQUAL.

WH- 1 DOMESTIC HOT WATER HEATER (NATURAL GAS)

DESCRIPTION: NATURAL GAS WATER HEATER SHALL BE A. O. SMITH CYCLONE MXI MODEL # BTH-120 OR EQUAL, MINIMUM 95% THERMAL EFFICIENCY, A STORAGE CAPACITY OF 60 GALLONS, AN INPUT RATING OF 120,000 BTUS PER HOUR, A RECOVERY RATING OF 154 GALLONS PER HOUR (GPH) AT 90°F RISE AND A MAXIMUM HYDROSTATIC WORKING PRESSURE OF 160 PSI. WATER HEATER(S) SHALL: 1. MODULATING GAS BURNER THAT AUTOMATICALLY ADJUSTS THE INPUT BASED ON DEMAND; 2. POWERED ANODES THAT ARE NON SACRIFICIAL AND MAINTENANCE FREE; 3. HAVE SEAMLESS GLASS-LINED STEEL TANK CONSTRUCTION, WITH GLASS LINING APPLIED TO ALL WATER-SIDE SURFACES AFTER THE TANK HAS BEEN ASSEMBLED AND WELDED; 4. MEETS THE THERMAL EFFICIENCY AND/OR STANDBY LOSS REQUIREMENTS OF THE U. S. DEPARTMENT OF ENERGY AND CURRENT EDITION OF ASHRAE/IES 90.1; 5. HAVE FOAM INSULATION AND A CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE; 6. HAVE A DOWN-FIRED POWER BURNER DESIGNED FOR PRECISE MIXING OF AIR AND GAS FOR OPTIMUM EFFICIENCY, REQUIRING NO SPECIAL CALIBRATION ON START-UP; 7. BE APPROVED FOR 0"CLEARANCE TO COMBUSTIBLES. THE CONTROL SHALL BE AN INTEGRATED SOLID-STATE TEMPERATURE AND IGNITION CONTROL DEVICE WITH INTEGRAL DIAGNOSTICS, GRAPHIC USER INTERFACE, FAULT HISTORY DISPLAY, AND SHALL HAVE DIGITAL TEMPERATURE READOUT. NO CHARGE CONNECTIVITY SHALL BE PROVIDED ALLOWING FOR REMOTE VIEWING AND FAULT NOTIFICAION VIA APP. 1. ALL MODELS ARE DESIGN CERTIFIED BY UNDERWRITERS LABORATORIES (UL), INC., ACCORDING TO ANSI Z21.10.3 - CSA 4.3 STANDARDS GOVERNING STORAGE TYPE WATER HEATERS; 2. MEET THE THERMAL EFFICIENCY AND STANDBY LOSS REQUIREMENTS OF THE U. S. DEPARTMENT OF ENERGY AND CURRENT EDITION ASHRAE/IES 90.1. COMPLIES WITH SCAQMD RULE 1146.2 AND OTHER AIR QUALITY MANAGEMENT DISTRICTS WITH SIMILAR REQUIREMENTS FOR LOW NOX EMISSIONS.

WH-2 DOMESTIC HOT WATER HEATER (NATURAL GAS)

DESCRIPTION: NATURAL GAS WATER HEATER SHALL BE A. O. SMITH CYCLONE MXI MODEL # BTH-150 OR EQUAL, MINIMUM 95% THERMAL EFFICIENCY, A STORAGE CAPACITY OF 100 GALLONS, AN INPUT RATING OF 150,000 BTUS PER HOUR, A RECOVERY RATING OF 198 GALLONS PER HOUR (GPH) AT 90°F RISE AND A MAXIMUM HYDROSTATIC WORKING PRESSURE OF 160 PSI. WATER HEATER(S) SHALL: 1. MODULATING GAS BURNER THAT AUTOMATICALLY ADJUSTS THE INPUT BASED ON DEMAND; 2. POWERED ANODES THAT ARE NON SACRIFICIAL AND MAINTENANCE FREE; 3. HAVE SEAMLESS GLASS-LINED STEEL TANK CONSTRUCTION, WITH GLASS LINING APPLIED TO ALL WATER-SIDE SURFACES AFTER THE TANK HAS BEEN ASSEMBLED AND WELDED; 4. MEETS THE THERMAL EFFICIENCY AND/OR STANDBY LOSS REQUIREMENTS OF THE U. S. DEPARTMENT OF ENERGY AND CURRENT EDITION OF ASHRAE/IES 90.1; 5. HAVE FOAM INSULATION AND A CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE; 6. HAVE A DOWN-FIRED POWER BURNER DESIGNED FOR PRECISE MIXING OF AIR AND GAS FOR OPTIMUM EFFICIENCY, REQUIRING NO SPECIAL CALIBRATION ON START-UP; 7. BE APPROVED FOR 0"CLEARANCE TO COMBUSTIBLES. THE CONTROL SHALL BE AN INTEGRATED SOLID-STATE TEMPERATURE AND IGNITION CONTROL DEVICE WITH INTEGRAL DIAGNOSTICS, GRAPHIC USER INTERFACE, FAULT HISTORY DISPLAY, AND SHALL HAVE DIGITAL TEMPERATURE READOUT. NO CHARGE CONNECTIVITY SHALL BE PROVIDED ALLOWING FOR REMOTE VIEWING AND FAULT NOTIFICAION VIA APP. 1. ALL MODELS ARE DESIGN CERTIFIED BY UNDERWRITERS LABORATORIES (UL), INC., ACCORDING TO ANSI Z21.10.3 - CSA 4.3 STANDARDS GOVERNING STORAGE TYPE WATER HEATERS; 2. MEET THE THERMAL EFFICIENCY AND STANDBY LOSS REQUIREMENTS OF THE U. S. DEPARTMENT OF ENERGY AND CURRENT EDITION ASHRAE/IES 90.1. COMPLIES WITH SCAQMD RULE 1146.2 AND OTHER AIR QUALITY MANAGEMENT DISTRICTS WITH SIMILAR REQUIREMENTS FOR LOW NOX EMISSIONS.

AIR COMPRESSOR

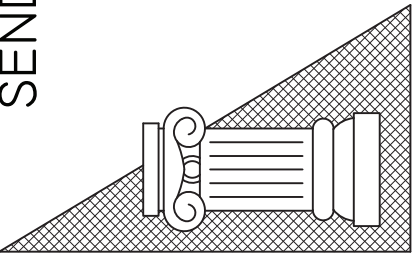
DESCRIPTION: INGERSOLL-RAND 2475N5-P. 80 GALLON 7.5 H.P. AIR COMPRESSOR

DATE: ISSUE

04-21-21  
ISSUED FOR BIDDING

SEAL:

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(631) 727-5352  
9 SELENA COURT  
WALDEN, NY 12586  
(845) 275-8859



HARRISON FIRE DEPT.

PROPOSED ADDITION

206 HARRISON AVE  
HARRISON, NY 10528

PLUMBING  
SPECIALTY SCHEDULE

PROJECT #: 2020-04

DRAWN BY: SEND. ARCH.

CAD FILE: P/2020/HFD  
2020-04

DRAWING#:

P-3