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6116 Mulford Village Drive
 ROCKFORD, ILLINOIS
 1-815-484-4708 phone LEGACY@LEGACYDESIGNS.NET
 1-815-484-4710 fax
 PROFESSIONAL DESIGN FIRM NO. 184-003483

**A NEW FACILITY FOR
 BOONE COUNTY ANIMAL SERVICES
 AND ADOPTION CENTER
 BELVIDERE, ILLINOIS**

REVISIONS

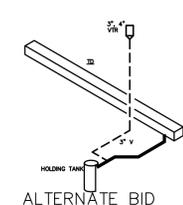
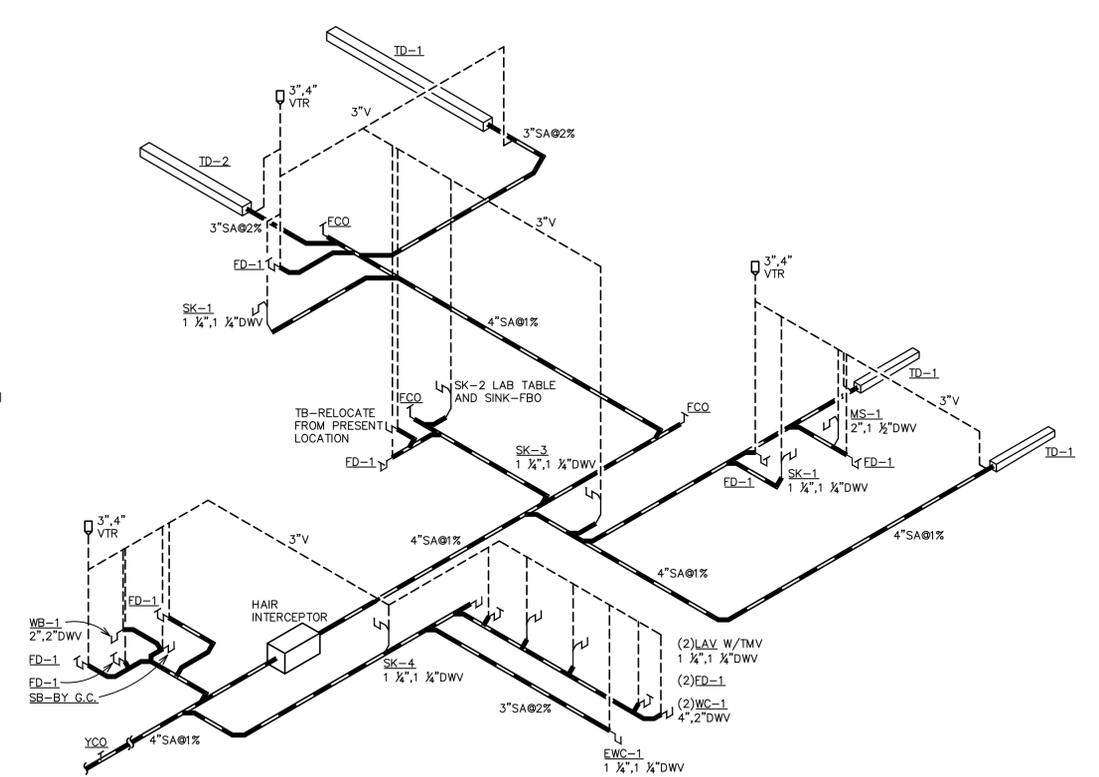
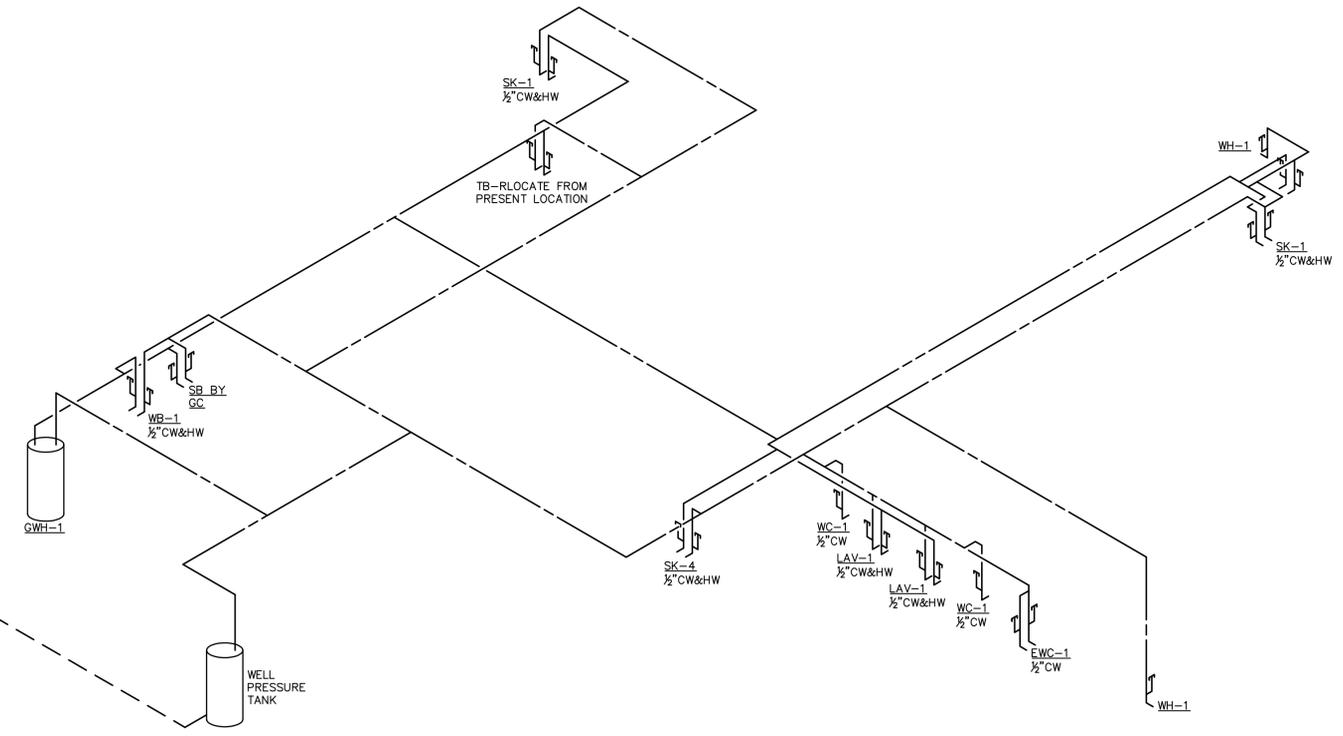
COMMISSION NUMBER
 215102

DATE
 October 12, 2015

SHEET NO.

P2
 OF 4 SHEETS

STATE OF ILLINOIS
 ROGER A. LOGESON
 042-024078
 PROFESSIONAL ENGINEER
Roger A. Logeson
 11/02/15
 EXR. 11/30/15



GENERAL NOTES:

- DRAWINGS ARE GENERALLY DIAGRAMMATIC. EACH CONTRACTOR SHALL MAKE REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND THE BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
- IT IS INTENDED THAT THE APPARATUS SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLARITY OF PRESENTATION.
- EACH CONTRACTOR SHALL CHECK DRAWINGS OF THE OTHER CONTRACTORS TO VERIFY SPACES IN WHICH THEIR WORK WILL BE INSTALLED IS CLEAR OF OBSTRUCTIONS. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION.
- FURNISH EACH CONTRACTOR ADVANCE INFORMATION ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, EQUIPMENT, FRAMES, BOXES, SLEEVES AND OPENINGS NEEDED FOR WORK, AND ALSO FURNISH INFORMATION AND SHOP DRAWINGS TO PERMIT EACH CONTRACTOR AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
- WHERE THERE IS EVIDENCE THAT THE WORK OF ONE CONTRACTOR WILL INTERFERE WITH THE WORK OF OTHER CONTRACTORS, EACH CONTRACTOR SHALL ASSIST IN WORKING OUT SPACE CONDITIONS TO MAKE SATISFACTORY ADJUSTMENTS.
- ALL WATER LINES SHALL DRAIN COMPLETELY THROUGH LOWER FIXTURES, UNIONS, BRASS CAP OR PLUG AT LOW POINTS AND MUST VENT COMPLETELY THROUGH FIXTURE ABOVE OR AIR VENT.
- PROVIDE LINE SIZE AIR CHAMBERS FOR ALL FIXTURES. AIR CHAMBERS SHALL BE MINIMUM 18" IN LENGTH.
- UNUSED OPENINGS IN DUCTS, SEWERS, MANHOLES, ETC. SHALL BE CAPPED; THOSE IN PIPING SHALL BE CAPPED OR PLUGGED; THOSE IN CONDUITS, BOXES, CABINETS AND PANELS SHALL BE FILLED. STRUCTURAL MEMBERS AND SUPPORTS SHALL NOT BE CUT UNLESS AUTHORIZED BY ARCHITECT, IN WRITING.
- PRESENT PAINTED CONSTRUCTION WHICH IS MARRED SHALL BE REPAINTED SAME AS NEW CONSTRUCTION.
- SEE SPECIFICATIONS FOR ADDITIONAL NOTES, SYMBOLS, ABBREVIATIONS, PREFIXES AND SUFFIXES.
- IT IS THE INTENT OF THIS PROJECT AND DOCUMENTS TO UTILIZE PRODUCTS AND MATERIALS MANUFACTURED OR PRODUCED IN THE UNITED STATES. FOREIGN PRODUCED MATERIALS AND COMPONENTS SHALL BE USED ONLY WITH ENGINEER PRIOR WRITTEN APPROVAL.
- THESE DRAWINGS ARE BASED UPON INFORMATION FURNISHED TO THE ENGINEER BY THE OWNER, BY THE ORIGINAL DRAWINGS, BY AS-BUILT DRAWINGS, AND BY VISUAL SURVEY WHERE POSSIBLE. THE CONTRACTOR SHALL CAREFULLY CONSIDER ALL INFORMATION PRESENTED ON THESE DRAWINGS; SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS; AND SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO WITHIN 10 DEGREE F. OF INLET WATER TEMPERATURE, ROUGH CHROME FINISH, INLET CHECK VALVES, WALL MOUNTING BRACKET. RATED AT 1 GPM AT 5 PSI DIFFERENTIAL. SYMMONS MODEL NO. 5-110-CK-NI-W.
- EFFORTS HAVE BEEN MADE TO LOCATE PRESENT SYSTEMS, SERVICES, ETC. FROM AVAILABLE DRAWINGS AND SITE VISITS. HOWEVER, IT SHALL BE RECOGNIZED THAT THERE MAY BE PIPING OR SERVICES (UNDER FLOOR SLABS, IN WALLS, ETC.) IN UNKNOWN AREAS. PIPING, ETC. EXPOSED DURING THE DEMOLITION PHASE OF WORK, THAT IS REQUIRED TO BE MAINTAINED AS AN OPERATING SYSTEM, SHALL BE REASONABLY RELOCATED AS NEEDED AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR IS ALLOWED TO MAKE MINOR CHANGES TO PIPING, ETC. FROM THAT SHOWN ON DRAWINGS AS REQUIRED TO AVOID FIELD CONFLICTS AT NO ADDITIONAL COST TO THE OWNER AND AS LONG AS THE RELOCATION DOES NOT AFFECT THE PERFORMANCE OF THE SYSTEM.
- SEE SECTION 01100 (ALTERNATES) IN SPECIFICATIONS AND ON ARCHITECTURAL DRAWING FOR IDENTIFICATION OF AREAS TO BE BID AS ALTERNATE WORK. ALL MECHANICAL WORK ASSOCIATED WITH THESE ALTERNATES SHALL BE INCLUDED IN GENERAL CONTRACTORS ALTERNATE PRICES. IN ADDITION, SEE SPECIFIC MECHANICAL ALTERNATES AS NOTED.
- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS OF SPECIFIC REQUIREMENTS FOR PHASING AND SEQUENCING OF WORK. THESE NOTED REQUIREMENTS SHALL BE TAKEN INTO CONSIDERATION DURING THE BIDDING PROCESS.
- THE PRESENT PLUMBING SYSTEMS OF ANY TYPE, INCLUDING UTILITY SERVICES, SHALL NOT BE INTERRUPTED EXCEPT AS DIRECTED BY THE OWNER, THE OWNER'S INSURANCE COMPANY, THE UTILITY COMPANY AND THE ENGINEER. WHEN SUCH INTERRUPTIONS ARE ALLOWED, THE SYSTEM SHALL BE PUT BACK INTO OPERATION AS SOON AS POSSIBLE, BUT NO LATER THAN AT THE END OF THE NORMAL WORKING DAY, UNLESS SPECIFIC DIRECTION IS OTHERWISE GIVEN.
- UNLESS SPECIFICALLY CHANGED BY THESE DRAWINGS, ALL PLUMBING WORK SHALL BE GOVERNED BY THE ORIGINAL CONTRACT DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY ALL PRESENT CONDITIONS INCLUDING, BUT NOT LIMITED TO, PIPE SIZES, LOCATIONS, INVERTS, TEMPERATURES, ELEVATIONS, PRESSURES, ETC. PRIOR TO START OF CONSTRUCTION AND MAKE MODIFICATIONS FOR WORK SHOWN AS REQUIRED TO ACCOMMODATE PRESENT OR NEW CONSTRUCTION. ALL AT NO INCREASE IN CONTRACT PRICE.
- PRESENT SERVICES WHICH ARE SHOWN ON THE SITE PLAN, ARE FOR CONTRACTOR'S INFORMATION AND WERE TAKEN FROM VARIOUS UTILITY AND MUNICIPALITY SURVEYS. CONTRACTOR SHALL VERIFY THESE SERVICES AND CHECK FOR ADDITIONAL INFORMATION WITH THE APPROPRIATE UTILITY OR AGENCY. CONTRACTOR SHALL BE RESPONSIBLE FOR SERVICES AND/OR NEW INSTALLATION AS REQUIRED TO ACCOMMODATE NEW WORK. ALL AT NO INCREASE IN CONTRACT PRICE.
- EQUIPMENT REQUIRING ELECTRICITY SHALL HAVE EQUIPMENT FURNISHED BY THE APPLICABLE MECHANICAL CONTRACTOR, BUT SHALL BE WIRED BY THE ELECTRICAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING REQUIRED ELECTRICAL INFORMATION WITH THE ELECTRICAL CONTRACTOR. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE INSTALLATION OF ALL PIPING SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS IT PERTAINS WITH CLEARANCE OF PIPING IN RELATIONSHIP TO ELECTRICAL SWITCHGEAR, ELECTRICAL EQUIPMENT, ELECTRICAL PANELS, ETC. PIPING SHALL NOT CROSS OVER THE TOP OF OR IMPINGE UPON ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING, INCLUDING CORE DRILLING, SAW CUTTING, ETC., AS REQUIRED TO ACCOMMODATE HIS WORK. CUTTING, PATCHING AND PAYMENT OF SAID WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR REQUIRING THE DISTURBANCE BUT SAME SHALL BE DONE BY A GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE APPROPRIATE MECHANICAL CONTRACTOR TO GIVE QUANTITIES OF PATCHING REQUIREMENTS TO THE GENERAL CONTRACTOR. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF PRESENT CEILINGS, LIGHT FIXTURES, DIFFUSERS, DUCTWORK, PIPING, CONDUIT, ETC. AS REQUIRED FOR THE INSTALLATION OF HIS WORK. REMOVAL, REPLACEMENT AND PAYMENT FOR MECHANICAL/ELECTRICAL ITEMS SHALL BE THE RESPONSIBILITY OF THE APPLICABLE MECHANICAL CONTRACTOR. REMOVAL AND PATCHING OF PRESENT CEILINGS, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR MAKING THE DISTURBANCE BUT SAME SHALL BE DONE BY A GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE APPROPRIATE MECHANICAL CONTRACTOR TO GIVE QUANTITIES OF REMOVAL/REPLACEMENT REQUIREMENTS TO THE GENERAL CONTRACTOR.
- CONTRACTOR TO PROVIDE RECORD DRAWINGS INDICATING THE LOCATION OF ALL PLUMBING SYSTEMS NOTED HEREIN.
- CONTRACTOR SHALL INSTALL HIS WORK IN ACCORDANCE WITH ALL LAWS, RULES, REGULATIONS, CODES, ETC. PER ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
- CONTRACTOR SHALL WARRANT HIS SYSTEMS FOR A PERIOD OF ONE (1) YEAR.
- SUBMIT SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT ITEMS.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS, ETC. AS REQUIRED FOR HIS WORK.
- ALL SYSTEMS SHALL BE TESTED PER APPLICABLE CODE.
- DOMESTIC WATER SYSTEM RESTRAINTS:
 - DOMESTIC WATER PIPING MATERIALS SHALL MATCH THE PRESENT SYSTEM. THE MIXING OF GALVANIZED STEEL PIPING SYSTEMS AND COPPER PIPING SYSTEMS IS NOT ALLOWED.
 - SHOULD CONDITIONS OCCUR WHICH WOULD REQUIRE THE MIXING OF THE NOTED PIPING MATERIALS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH ANY DOMESTIC WATER PIPING SYSTEM INSTALLATIONS.
 - SEE SPECIFICATION SECTION 15060 FOR ADDITIONAL INFORMATION.
- ALL GAS PIPING, WHICH IS CONCEALED ABOVE A CEILING, IN A CHASE, WALL, PARTITION, ETC. SHALL BE OF WELDED CONSTRUCTION, NO JOINTS, OTHER THAN WELDED, NOR VALVES SHALL BE ALLOWED IN CONCEALED SPACES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- NOTED WATER HAMMER ARRESTER (WHA), BALL VALVE (BV), CLEANOUTS (CO), ETC. SHALL BE LOCATED ABOVE AN ACCESSIBLE CEILING AS REQUIRED TO KEEP CEILING ACCESS PANELS TO A MINIMUM. WHERE ACCESSIBLE CEILINGS ARE NOT PRESENT, PROVIDE ACCESS PANELS PER SECTION 15010 OF SPECIFICATIONS.

- CERTAIN PREFIXES OR LINE SYMBOLS, WHEN APPLIED TO PRESENT LINE, DEVICE OR EQUIPMENT, SHALL HAVE THE FOLLOWING MEANINGS:
 - NC: NEW CONNECTION TO EXISTING EQUIPMENT OR MATERIAL.
 - P: PRESENT TO REMAIN UNCHANGED.
 - VL: VERIFY EXACT LOCATION IN FIELD. THIS NOTE APPLIES TO ALL PRESENT OR EXISTING UTILITIES AND CONSTRUCTION WHETHER CALLED FOR OR NOT.
- CLEANOUT SCHEDULE:**
 - ACCEPTABLE MANUFACTURERS: JOSAM, SMITH, WADE, ZURN.
 - CONCRETE FLOOR CLEANOUT: CAST IRON, THREADED OR INSIDE CAULK AT GRADE ADJUSTABLE HOUSING, FERRULE WITH PLUG, MEDIUM DUTY CAST IRON SECURED SCORRIATED COVER, VANDAL PROOF. SMITH NO. 4245.
 - VINYL TILE FLOOR CLEANOUT: CAST IRON, THREADED OR INSIDE CAULK AT GRADE ADJUSTABLE HOUSING, FERRULE WITH PLUG, ROUND LIGHT DUTY NICKEL BRASS TOP RECESSED FOR TILE, VANDAL PROOF. SMITH NO. 4145.
 - WALL CLEANOUT: CLEANOUT BRASS PLUG, ROUND STAINLESS STEEL ACCESS COVER, VANDAL PROOF. SMITH NO. 4472T.
- FLOOR DRAIN SCHEDULE:**
 - ACCEPTABLE MANUFACTURERS: JOSAM, SMITH, WADE, ZURN.
 - FD-1: CAST IRON FLANGE, NICKEL BRASS, 4" ROUND STRAINER WITH BOTTOM OUTLET, SEPARATE P-TRAP, NOT FLASHED: SIOUX CHIEF 843-4PNR.
 - HD-1: ADJUSTABLE CAST NICKEL FLOOR DRAIN WITH 4 1/2" EXTENDED RING. STRAINER WITH BOTTOM OUTLET & SEPARATE P-TRAP. SIOUX CHIEF NO. 842-4PNR-E.
- HOSE BIB SCHEDULE**
 - ACCEPTABLE MANUFACTURERS: B & K, SMITH COPPER INTERNATIONAL OR EQUIVALENT.
- THERMOSTATIC MIXING VALVE SCHEDULE**

ACCEPTABLE MANUFACTURERS: SYMMONS, LAWLER, LEONARD.

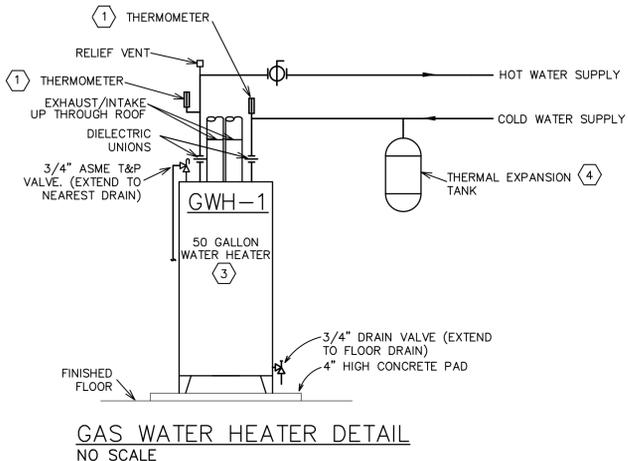
THERMOSTATIC MIXING VALVE: BRASS AND BRONZE BODY, BRASS AND STAINLESS STEEL FLOW CONTROL COMPONENTS, HANDLE ADJUSTMENT, VANDAL RESISTANT LOCKABLE HANDLE, 3/8" COMPRESSION INLET AND OUTLET, 3 DEG. F. CONTROL RANGE, ADJUSTABLE FROM 85 DEG.F. TO 120 DEG.F., SUITABLE FOR DOMESTIC TEMPERATURE TO WITHIN 10 DEG.F. OF INLET WATER TEMPERATURE, ROUGH CHROME FINISH, INLET CHECK VALVES, WALL MOUNTING BRACKET. RATED AT 1 GPM AT 5 PSI DIFFERENTIAL. SYMMONS MODEL NO. 5-110-CK-NI-W.

- PLUMBING FIXTURE SCHEDULE**

ACCEPTABLE MANUFACTURERS:

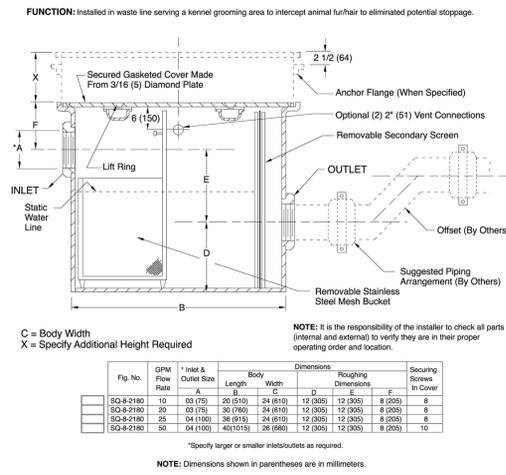
 - ELECTRIC WATER COOLERS: ELKAY, HAWS, HALSEY TAYLOR, OASIS.
 - LAVATORIES, URINALS, WATER CLOSETS: AMERICAN STANDARD, CRANE, ELJER, GERBER, KOHLER, MANSFIELD.
 - MOP BASINS: CREATIVE INDUSTRIES, FIAT, MUSTEE, STANDARD ELSMERE.
 - FAUCETS: CHICAGO FAUCET, SYMMONS, T & S.
 - CHAIR CARRIERS: JOSAM, SMITH, WADE, ZURN.
 - STRAINERS: EBC, MCGUIRE, SPEEDWAY.
 - SUPPLIES: EBC, MCGUIRE, SPEEDWAY.
 - TOILET SEATS: BEMIS, BENEKE, CHURCH, OLSONITE.
 - TRAPS: EBC, MCGUIRE, SPEEDWAY.
 - PIPE GUARD: BROCAR, MCGUIRE, TRUEBRO.

PH	FIXTURE	WASTE	VENT	CW.	HW.	DESCRIPTION
WC	WATER CLOSET HC ADA	4"	1-1/2"	1/2"	--	VITREOUS CHINA, WHITE, FLOOR MTD. TANK TYPE (1.6 GPF). ELONGATED BOWL, 18" @ 16-1/2" AFF. EQUAL TO KOHLER. HIGHLINE COMFORT HEIGHT MODEL K-3427 WITH BEMIS 1955-SSC OPEN FRONT SEAT AND COVER ADA COMPLIANT.
L-1	LAVATORY HC ADA	1-1/4"	1-1/2"	1/2"	1/2"	VITREOUS CHINA, WHITE, WALL HUNG, 20"x18-1/4" EQUAL TO KOHLER. CHESAPEAKE MODEL K-1721 (4" D.C.). 1-HOLE WITH CHICAGO FAUCET MODEL 2200-4 SINGLE LEVER HANDLE, GRID STRAINER DRAIN AND PROWRAP PW 2000. WHITE INSULATION GUARDS. CONCEALED ARM CARRIER SUPPORT EQUAL TO SMITH 0700. ADA COMPLIANT.
SK-1	EXAM/TREATMENT SINK	1-1/2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL SINGLE COMPARTMENT (22"x22"x6") ADA EQUAL TO ELKAY LR-2222, 2-HOLE. MCGUIRE 151-A BASKET STRAINER, 1-1/2" TALL PIECE, CHICAGO FAUCET MODEL 2302 WITH 6" CENTERED GOOSENECK RIGID SPOUT & LEVER OFFSET 4" TO RIGHT.
SK-3	FOOD PREP SINK WGD	1-1/2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL SINGLE COMPARTMENT (29"x22"x6") ADA EQUAL TO ELKAY LR-2922, 10-HOLE. MCGUIRE 151-A BASKET STRAINER, 1-1/2" TALL PIECE, CHICAGO FAUCET MODEL 2304 WITH 6" CENTERED GOOSENECK SWIVEL SPOUT, LEVER & SPRAY OFFSET TO THE RIGHT.
DF	DRINKING FOUNTAIN	1-1/4"	1-1/2"	1/2"	--	WALL MOUNTED STAINLESS STEEL DRINKING FOUNTAIN WITH WALL MOUNTING PLATE. ELKAY EDFM 114C.
SB	SHOWER BASIN	2"	1-1/2"	1/2"	1/2"	32"x48" SHOWER BASIN, S.S. DRAIN. WHITE MUSTEE MODEL 303M. PROVIDE PRESSURE BALANCED SHOWER VALVE EQUAL TO SYMMONS TEMPLTR, 2000 MODEL S-15-FG-X-V WITH WALL FLANGE, INTEGRAL STOPS, CHECK VALVES & CHICAGO 778-9K WALL OUTLET WITH VACUUM BREAKER, #78-17K WALL HOOK & #83-72" S.S. 3/8" HOSE. PLUMBING CONTRACT SHALL REMOVE FROM ORIGINAL FACILITY AND RELOCATE TO THIS AS IF NEW. PROVIDE ANY FITTINGS THAT ARE DAMAGED IN THE MOVE. VERIFY PRIOR TO SUBMITTING BID.
BT	BATH TUB	1-1/2"	1-1/2"	1/2"	1/2"	24"x24"x10" HT MOLDED STONE EQUAL TO MUSTEE MODEL #63M WITH CHICAGO MODEL #87-CP FAUCET & HOSE CONN. VACUUM BREAKER #65-700, HOSE & HOSE HOLDER #65-600 MOP HANGER. RECESS MOP SINK IN FLOOR FOR 1" FINISHED FLOOR LIP. COORDINATE WITH G.C.
WH	EXTERIOR WALL HYDRANT	--	--	3/4"	--	WOODFORD MODEL 65-F FREEZELESS WALL HYDRANT WITH HOSE CONN. VACUUM BREAKER FITTING & KEY OPERATED VALVE. (ASSE 1011)
HB-1	INTERIOR HOSE BIB COLD PROCESSOR/BWP	--	--	1/2"	--	WOODFORD MODEL 44. MALE THREADED INLET (1/2") & HOSE OUTLET (3/4") FAUCET WITH REDUCED PRESSURE BACKFLOW PREVENTER UPSTREAM. BFP EQUAL TO WATTS 809T-9 (1/2") WITH AIR GAP DRAIN. PIPE DRAIN TO OSD. WALL MOUNTED ASSEMBLY @ 24" AFF.
WB	WASHING MACHINE BOX	2"	1 1/2"	1/2"	1/2"	GLY GRAY MODEL 8200 RECESSED BOX WITH SUPPLY & DRAIN CONNECTIONS & SUPPLY WATER VALVES WITH EXPOSED WATER HAMMER ARRESTERS.
TD	TRENCH DRAIN	4"	1 1/2"	--	--	POLYETHYLENE PRESLOPED DRAIN SYSTEM (4" WIDE, 0.74% SLOPE) EQUAL TO JR SMITH MODEL ACO MODEL 990 SERIES WITH 9935 SERIES CATCH BASIN (CB) & S.S. TRASH BUCKET. NO GRATING REQUIRED.
FD	FLOOR DRAIN	3"	1 1/2"	--	--	CAST IRON BODY. POLISHED BRONZE ROUND TOP EQUAL TO SMITH MODEL 2005T-A-PB.
OSD	OPEN SITE DRAIN/HUB DRAIN	SEE FLOOR PLAN	1 1/2"	--	--	STUB UP OPEN SITE HUB 6" ABOVE FINISHED FLOOR OR AS NOTED ON PLAN. DOUBLE PIPE SIZE FOR HUB.
GWH	GAS-FIRED WATER HEATER	--	--	1	1	SEALED-COMBUSTION GAS-FIRED WATER HEATER 75 GALLON CAPACITY 80 GPH @ 80° F RISE. EQUAL TO STATE MODEL SDV75-70NE. 10 MBH INPUT. ROOF VENT TERMINATIONS & TAP SAFETY VALVE.
HB	HAIR INTERCEPTOR	4"	2"	--	--	SEALED-IN-FLOOR HAIR SEPARATOR EQUAL TO JR SMITH #SQ-8-2-180, 500PM.



- NOTATIONS**
- WATER THERMOMETER (WT #1): ALUMINUM CASE, ADJUSTABLE ANGLE HINGE ASSEMBLY TYPE, 3/4" SPERABLE SOCKET, 3-1/3" BRASS STEM, WHITE BACKGROUND WITH BLACK NUMBERS AND GRADUATIONS 30 TO 240 DEG. F. RED READING MERCURY, 9" LINE, ACCEPTABLE MANUFACTURERS: AMETEK (U.S. GAUGE) MN-9-06, ASHCROFT, TRERICE A405.
 - ALL CONTROL WIRING, DISCONNECT, ETC. SHALL BE BY THE PLUMBING CONTRACTOR. VERIFY REQUIREMENTS WITH WATER HEATER MANUFACTURER. POWER CONTROL CIRCUIT SHALL BE BY THE ELECTRICAL CONTRACTOR. DIELECTRIC HEAT TRAP FITTINGS.
 - 50 GALLON STORAGE, 100 MBH, GAS WATER HEATER, DIRECT VENT, 116 GPH @ 100' F., 96% EFF., AO SMITH: BTX-100. PROVIDE SAFETY PAN WITH DRAIN TO FLOOR DRAIN.
 - EXPANSION TANK: WELDED STEEL TANK WITH HEAVY DUTY BUTYL DIAPHRAGM SEPARATING AIR AND WATER RESERVOIRS. RIGID POLYPROPYLENE-LINED WATER RESERVOIR. AIR CHARGING VALVE, 3/4" WATER INLET, 4.4 GALLON CAPACITY. PRE-CHARGED TO 40 PSIG. WATTS NO. DETA-5.
 - VACUUM RELIEF VALVE: BRASS BODY, HIGH HEAT-RESISTING DISC, VALVE TO CLOSE QUICKLY AND TIGHTLY UNDER PRESSURE AND OPEN ON VACUUM OF NOT OVER 1/2" MERCURY COLUMN. WATTS NO. N36

LARGE ANIMAL FUR/HAIR INTERCEPTORS



NOTE: PLUMBING CONTRACTOR TO PROVIDE SUFFICIENT BACK FLOW PREVENTER, WITHIN SPACE, PRIOR TO ANY CONNECTIONS WITH FIXTURES OR PLUMBING EQUIPMENT PER APPLICABLE CODES.

NOTE: PLUMBING CONTRACTOR TO PROVIDE SUFFICIENT BACK FLOW PREVENTER, AT EACH FIXTURE AND/OR APPLIANCE WHERE A FIXED AIR GAP CAN BE ALTERED BY USE, OR IS LESS THAN REQUIRED BY APPLICABLE CODES. SEE APPLICABLE CODE BOOKS FOR SPECIFIC DETAILS.

PLUMBING NOTES AND SCHEDULES
SCALE: 1/4" = 1'-0"

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REVISED 06-02-15

COMMISSION NUMBER
215102

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SHEET NO.

P3
OF 4 SHEETS

STATE OF ILLINOIS
ROGER A. LOGESON
062-024878
Professional Engineer
10/12/15
EXP. 11/30/15

