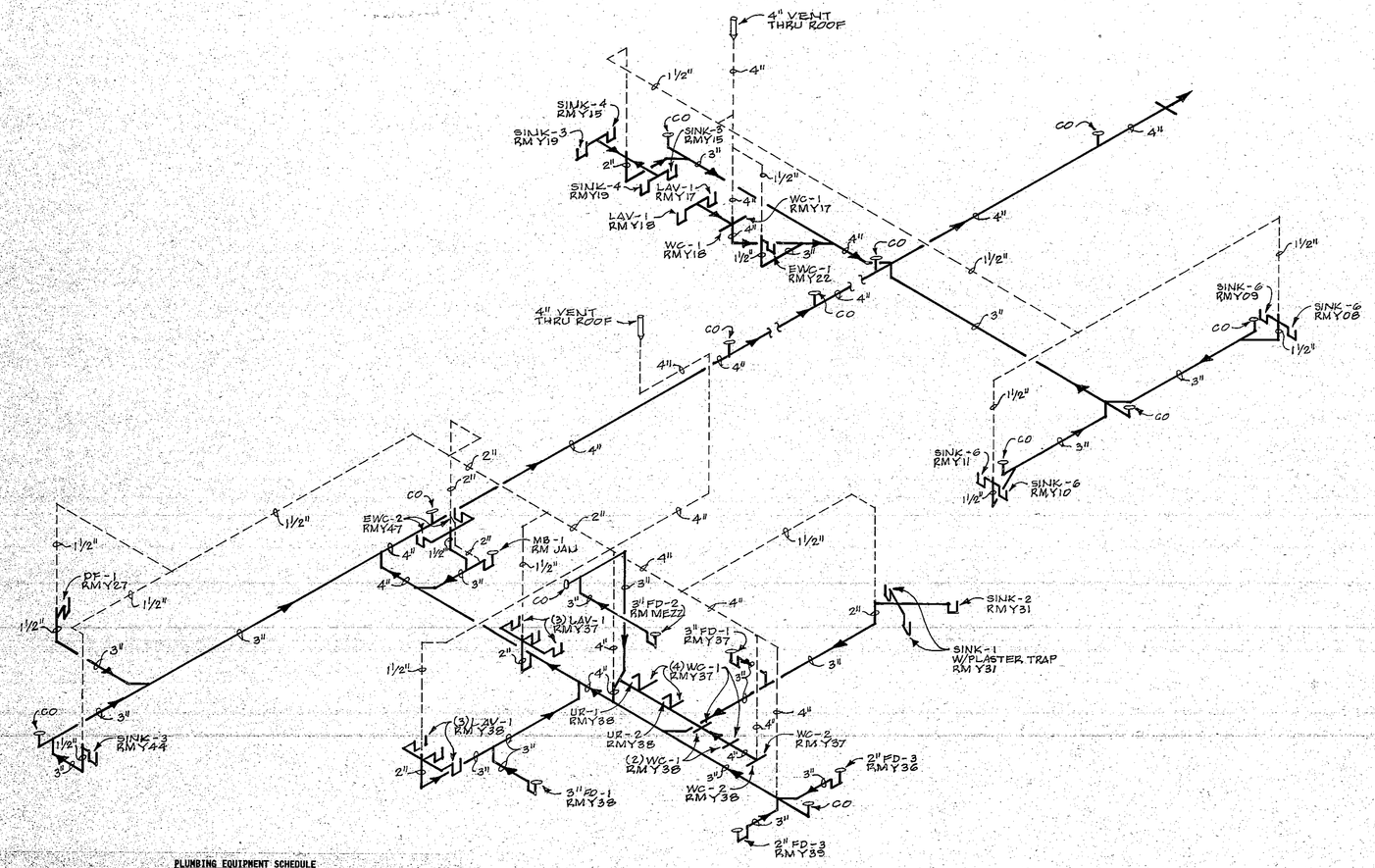
M/E DESIGN SERVICES
MECHANICAL/ELECTRICAL CONSULTING ENGINEERS
112 1/2 Lincolnway East
Mishawaka, Indiana 46544
(219) 256-1914

REVISIONS	BY



SANITARY SCHEMATIC NO. 1

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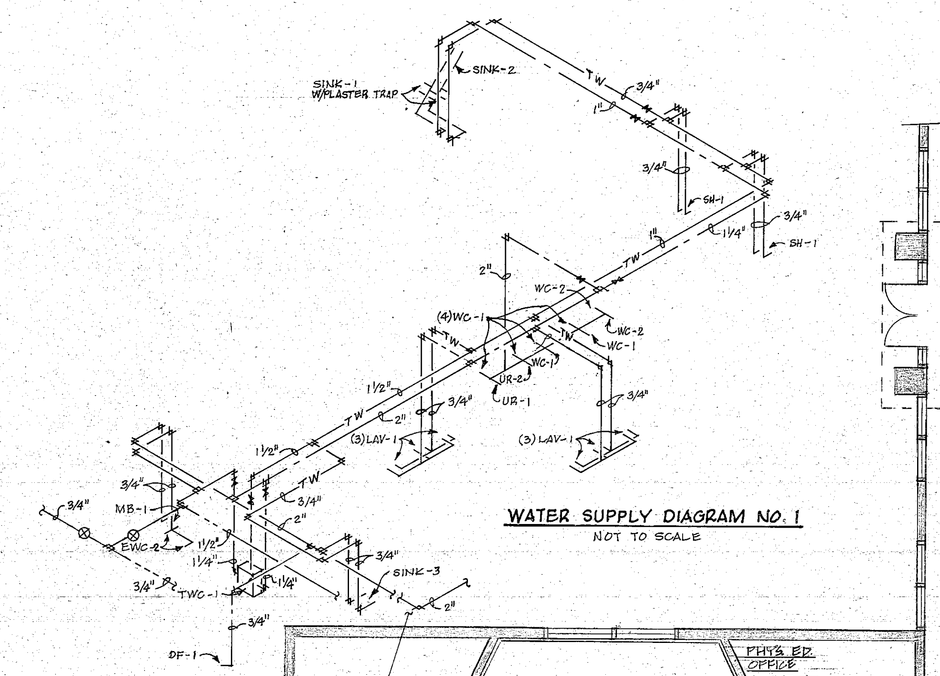

WATER SUPPLY DIAGRAM NO. 1

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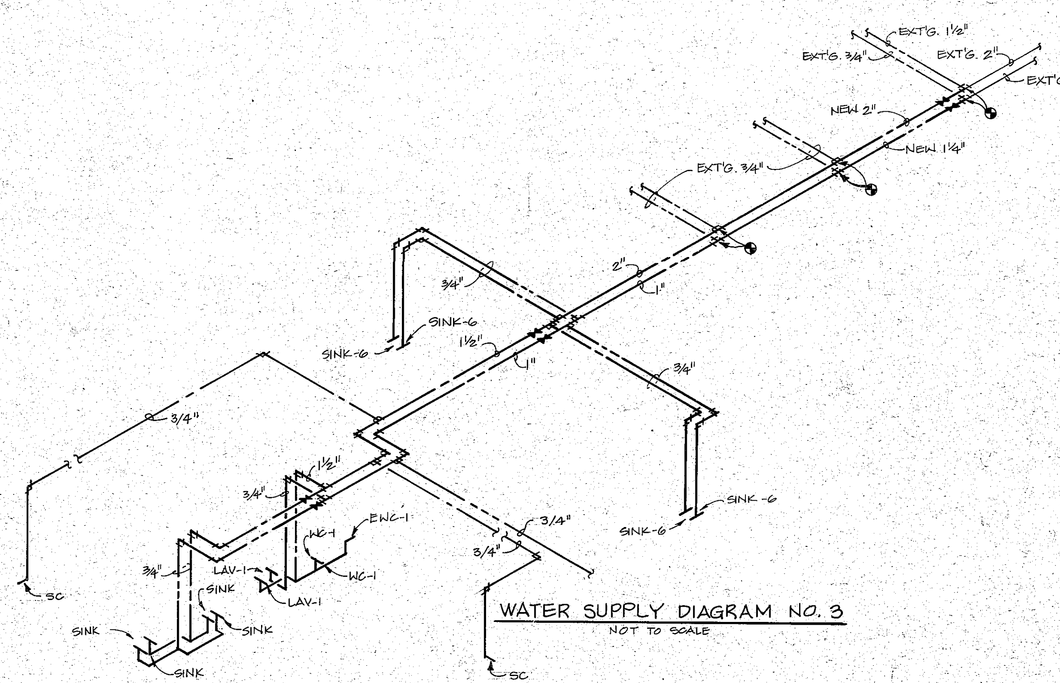
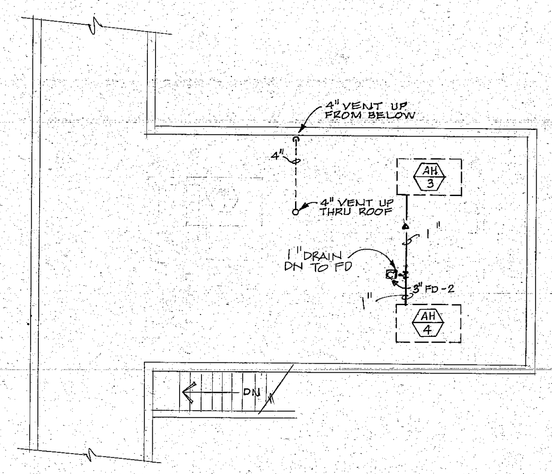


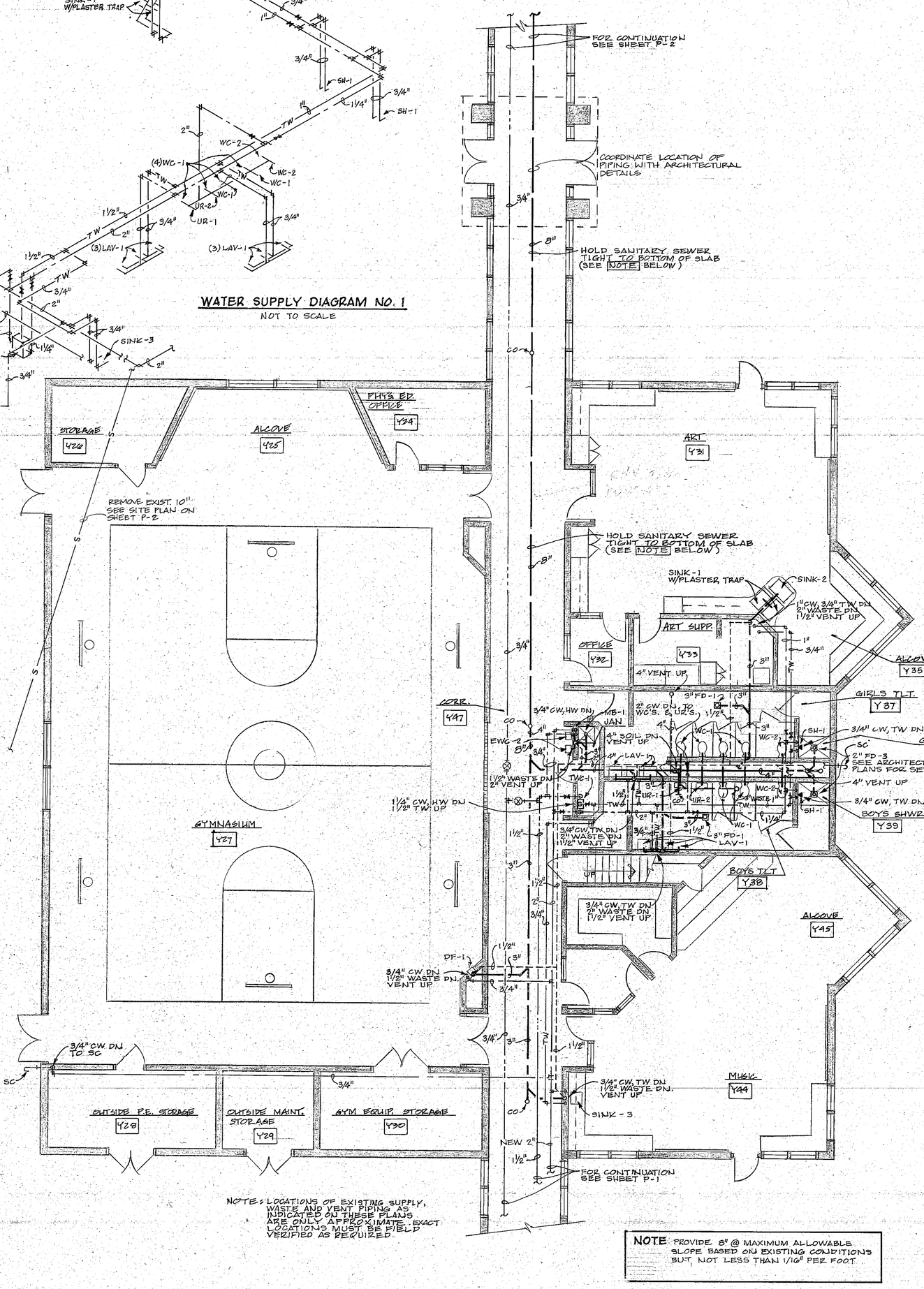
WATER SUPPLY DIAGRAM NO. 3

NOT TO SCALE



PARTIAL MEZZANINE PLAN

N 1/8"=1'-0

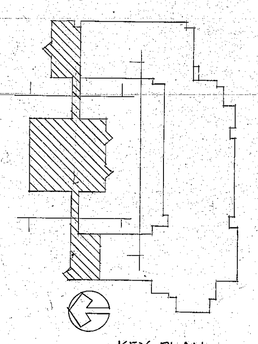


NOTES: LOCATIONS OF EXISTING SUPPLY, WASTE AND VENT PIPING AS INDICATED ON THESE PLANS ARE ONLY APPROXIMATE. EXACT LOCATIONS MUST BE FIELD VERIFIED AS REQUIRED.

NOTE: PROVIDE 8" @ MAXIMUM ALLOWABLE SLOPE BASED ON CONDITIONS BUT NOT LESS THAN 1/16" PER FOOT

GYM / ART / MUSIC CENTER PLUMBING PLAN

N 1/8"=1'-0



KEY PLAN

PLUMBING EQUIPMENT SCHEDULE

WC-1 - WATER CLOSET: VITREOUS CHINA, WALL HANGING, SIPHON JET, ELONGATED BOWL WITH 1-1/2" TOP SPUD AND 2-1/2" PASSAGEWAY; AMERICAN STANDARD "AFWALL" NO. 2677.010 OR KOHLER "KINGSTON" NO. 4430-ET. CLOSET SUPPORTED BY AND CONNECTED TO WALL CLOSET FITTING AND CARRIER, COMPLETE WITH ADJUSTABLE AND/OR REVERSIBLE FOOT AS REQUIRED BY CONSTRUCTION. CLOSET SEAT: WHITE, SOLID PLASTIC OPEN FRONT, EXTENDED BACK SEAT, LESS COVER WITH CHECK HINGE. FIXTURE HEIGHT: 15" FLOOR TO RIM.
FLUSH VALVE: SLOAN OPTIMA ELECTRONIC CLOSET FLUSHOMETER "ROYAL" NO.110 ES-S OR ZURN Z-6000-ES-S-S.

WC-2 - WATER CLOSET (HANDICAPPED): SAME AS WC-1 EXCEPT CARRIER FOR MOUNTING FIXTURE 17" FLOOR TO RIM.

UR-1 - URINAL: VITREOUS CHINA, WALL HANGING, BLOW-OUT TYPE, 1-1/4" TOP INLET SPUD, 2" OUTLET, WITH PRIVACY SHIELDS, AMERICAN STANDARD "LYNBROOK" NO. 6531.019 OR KOHLER "STANWELL" NO. K-4970-T. CARRIER: COMPLETE WITH SUPPORT PLATE, BEARING PLATE, FIXTURE BOLTS, STEEL PIPE UPRIGHTS AND WEB OR BLOCK FEET AS REQUIRED BY CONSTRUCTION. MOUNTING HEIGHT STANDARD INSTALLATIONS SHALL BE 24" FLOOR TO RIM. CHILDREN 19" FLOOR TO RIM.
FLUSH VALVE: SLOAN "ROYAL" NO. 186 OR ZURN Z-6001-ES-S-WS.

UR-2 - URINAL (HANDICAPPED): VITREOUS CHINA, WALL HANGING, EXTENDED RIM, SIPHON JET, 1-1/4" TOP INLET SPUD, 2" OUTLET WITH PRIVACY SHIELDS. AMERICAN STANDARD "ALLBROOK" NO. 6540.017 OR KOHLER "DEXTER" NO. K-5014-T. CARRIER: COMPLETE WITH SUPPORT PLATE, BEARING PLATE, FIXTURE BOLTS, STEEL PIPE UPRIGHTS AND WEB OR BLOCK FEET AS REQUIRED BY CONSTRUCTION. URINAL MOUNTING HEIGHT SHALL BE 17" FLOOR TO RIM.
FLUSH VALVE: SLOAN "ROYAL" NO. 186 OR ZURN Z-6001.

LAV-1 - LAVATORY: VITREOUS CHINA, WALL HANGING, 20" X 18" NOMINAL, BACK OVERFLOW, FACUET LEDGE, SOAP DEPRESSION. AMERICAN STANDARD "COMPACT" NO. 0124.131 OR KOHLER "KINGSTON" NO. K-2005. CARRIER: CONCEALED ARMS WITH LEVELING AND SECURING SCREWS, STEEL PIPE UPRIGHTS AND WEB OR BLOCK FEET AS REQUIRED FOR CONSTRUCTION. FIXTURE SHALL BE COMPLETE WITH 3/8" LOOSE KEY-OPERATED STOPS, 1-1/4" CHROME PLATED ADJUSTABLE P-TRAP AND WALL ESCUTCHEONS. FITTING: WASHERLESS, SINGLE-HANDLE LEVER FAUCET, 4" CENTER, VANDALPROOF AERATOR, GRID DRAIN AND TAILPIECE: DELTA FAUCETS MODEL 500 OR MOEN NO. 8425. EXPOSED PIPING AND WASTE SHALL BE INSULATED WITH TRUEBRO LAV-GUARD INSULATION KIT. MOUNTING HEIGHT = 34" FLOOR TO RIM.

SINK-1 - SINK: SINK SHALL BE STAINLESS STEEL, SINGLE BOWL LEDGE BACK; ELKAY #DLR-3122-12 OR JUST #SLXD-2231-A-GR. SINK SHALL CONTAIN FOUR (4) FAUCET HOLES. FIXTURE COMPLETE WITH 3/8" LOOSE KEY-OPERATED STOPS AND WALL ESCUTCHEONS.
FITTINGS: TWO (2) LEVER MIXING FAUCET AND SWING SPOUT WITH AERATOR-ELKAY #LK-2433 OR JUST #JWF-200.

SINK-2 - SINK: STAINLESS STEEL, SINGLE COMPARTMENT, SELF-RIMMING; 25" X 21-1/4" X 5-1/4" DEEP. ELKAY MODEL GECR-2321. FIXTURE SHALL BE COMPLETE WITH 3/8" LOOSE KEY-OPERATED STOPS, 1-1/4" CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WALL ESCUTCHEONS AND TRUEBRO LAV-GUARD INSULATION KIT.
FITTINGS: TWO (2) HANDLES. LK-99 STRAINER AND LK-2433 SWING SPOUT WITH WING HANDLES.

SINK-3 - SINK: SINK SHALL BE STAINLESS STEEL, SINGLE COMPARTMENT LEDGE BACK; ELKAY #LR-2521 OR JUST #SL-2125-A-GR. SINK SHALL CONTAIN THREE (3) FAUCET HOLES.
FITTINGS: TWO (2) LEVER MIXING FAUCETS AND SWING SPOUT WITH AERATOR; ELKAY 2439 OR JUST JWF-200.

SINK-4 - SINK: CLASSROOM COMBINATION DRINKING FOUNTAIN AND SINK. SELF-RIMMING, STAINLESS STEEL. 31" X 19-1/2" NOMINAL OVERALL. 22" X 16" NOMINAL COMPARTMENT DOUBLE LEDGE, 3 HOLES ON FAUCET LEDGE; 1 HOLE ON BUBBLER LEDGE; ELKAY NO. DRKR-3119. FIXTURE SHALL BE COMPLETE WITH 3/8" LOOSE KEY-OPERATED STOPS, 1-1/4" CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WALL ESCUTCHEONS.
FITTINGS: CONCEALED MOUNT SWING SPOUT WITH AERATOR; ELKAY NO. LK-2439; LEVER HANDLE BUBBLER; ELKAY NO. LK-141. SINK STRAINER; ELKAY NO. LK-35.

SINK-5 - SINK: CLASSROOM COMBINATION, COUNTER TYPE, 18-GAUGE, TYPE 302 STAINLESS STEEL, DOUBLE COMPARTMENT, SELF-RIMMING SINK AND DRINKING FOUNTAIN, ELKAY NO. DRKR-3717-L OR 3717-R OR JUST NO. DCR-1737-A-GR-R OR DCR-1737-A-GR-L.
FITTINGS: FAUCET: DOUBLE GOOSENECK TYPE SWING SPOUT, CHROME PLATED BRASS WITH AERATOR, ELKAY NO. LK-2223 OR JUST NO. JGN-750. FURNISH GRID TYPE STRAINER AND TAILPIECE.
BUBBLER: BUBBLER ASSEMBLY CHROME PLATED BRASS WITH AUTOMATIC STREAM REGULATOR AND SELF-CLOSING LEVER HANDLE. ELKAY NO. LK-141 OR JUST NO. JBR-5.
NOTE: ALL HOLES IN SINK DECK ARE TO BE PUNCHED IN THE FIELD AND THE LOCATION OF THE HOLES SHALL BE COORDINATED WITH THE ARCHITECT/ENGINEER.

MS-1 - MOP BASIN: CORNER FLOOR MOUNTED TERRAZZO OR MOLDED STONE, 24" X 24" X 10" NOMINAL OVERALL; FIAT NO. MSB-2424. TRIM: SERVICE SINK FITTING WITH VACUUM BREAKER, WALL SUPPORT PAIL HOOK, AND 3/4" HOSE THREAD END: UNITS SHALL BE COMPLETE WITH CAST BRASS DRAIN BODY, LOCKNUT, NEOPRENE GASKETS, COMBINATION DOME STRAINER AND LINT BASKET, 36" HEAVY DUTY RUBBER HOSE WITH 3/4" HOSE THREAD COUPLING ONE (1) END, HOSE BRACKET, MOP HANGER BRACKET, VINYL BUMPERGUARD AND TUBE OF SILICONE SEALANT. APPLY SEALANT AT ALL EDGES WHERE SINK MEETS WALL.
TRAP: 3" DEEP SEAL, CAST IRON. SET WITH SUPPLIES 32" ABOVE FLOOR.
FITTINGS: CHICAGO FAUCET NO. 897 OR KOHLER "XMXXFORD" NO. K-8904.

EWC-1 - ELECTRIC WATER COOLER (HANDICAPPED): WHEELCHAIR TYPE SURFACE, WALL MOUNTED, STAINLESS STEEL TOP AND CABINET. AIR-COOLED WITH CAPACITY TO COOL A MINIMUM OF 7.0 GPH TO 50 DEG. WITH 80 DEG. INLET AND 90 DEG. AMBIENT. TRIM: CHROME-PLATED, ANGLE STREAM BUBBLER, TOUCH PADS. LOCATE 2 ON FRONT OF CABINETS. FLOW REGULATOR, BUILT-IN STRAINER, 1-1/4" BRASS TRAP, 3/8" ANGLE STOP. 120 VOLT, 1 PHASE, 60 HERTZ POWER SUPPLY. OASIS NO. OPLEWMD OR HALSEY-TAYLOR NO. HAC-8F. COMPLETE WITH WALL MOUNTING BRACKET-FOR INSTALLATION, ON CONCRETE BLOCK WALLS: FOR STUD WALLS PROVIDE CARRIER WITH UPRIGHTS, BLOCK BASES AND HANGER PLATE. MOUNTING HEIGHT 36" FLOOR TO SPOUT-MAXIMUM.

EWC-2 - ELECTRIC WATER COOLER: SAME AS EWC-1 EXCEPT SPLIT LEVEL OASIS, MODEL PLF8WRSL.

DF-1 - DRINKING FOUNTAIN: STAINLESS STEEL WITH SATIN FINISH, RECESSED WITH INTEGRAL STRAINER, SHIELDED ANTI-SQUIRT BUBBLER, SELF-CLOSING CONTROL VALVE, AUTOMATIC VOLUME REGULATOR, LOOSE KEY STOP AND 1-1/2" P-TRAP AND CLEANOUT. HALSEY-TAYLOR NO. 8880, OR OASIS NO. FLF211. MOUNTING HEIGHT 36" FROM FLOOR TO RIM, UNLESS OTHERWISE NOTED.

SH-1 - SHOWER: FITTINGS: CONCEALED INSTALLATION WITH HEAD, ARM, VALVE HANDLE AND ESCUTCHEONS BEING ONLY EXPOSED PARTS. SYMONS S-96-ILX, LEONARD 65-IA OR EQUAL. PROVIDE WITH HAND HELD SHOWER AND SLIDE BAR.

FD-1 - FLOOR DRAIN: INTEGRAL TRAP AND CLEANOUT, SIX INCH (6") DIAMETER ADJUSTABLE ROUND STRAINER. FINISH: BRONZE, ZURN ZN456-S.

FD-2 - FLOOR DRAIN: ROUND TOP AND GRATE, EXTENDED RIM AND CAST IRON DEEPSEAL TRAP WITH CLEANOUT. FINISH: BRASS. ZURN ZN-415-1.

FD-3 - FLOOR DRAIN: CAST IRON BODY, BOTTOM OUTLET WITH DEEP SEAL TRAP, SIX INCH (6") DIAMETER ADJUSTABLE ROUND STRAINER. FINISH: NIKALOY, ZURN Z-415.

RD-1 - ROOF DRAIN: HEAVY CAST IRON BODY WITH ROUND FLANGE AND LARGE DOME STRAINER, FLASHING CLAMP WITH INTEGRAL GRAVEL STOP, CLAMPING DEVICE AND DRAIN RECEIVER. SIZE AS INDICATED ON PLANS AND WITH BOTTOM OUTLET THREADED OR CAULKED AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR SETTING. ZURN Z-100-C-B, J.R. SMITH, JOSAM OR EQUAL.

OD-1 - OVERFLOW DRAIN: SAME AS RD-1 EXCEPT MOUNTED 2" HIGHER. ZURN Z-100-C;R-89.

SOLIDS INTERCEPTOR (PLASTER TRAP): PROVIDE ZURN ZA 1180 OR EQUAL, 10-1/2" CAST ALUMINUM SEDIMENT INTERCEPTOR, TOP ACCESS, ON-FLOOR INSTALLATION, FIXTURE TRAP TYPE, GASKETED SEDIMENT BUCKET AND REMOVABLE STAINLESS STEEL SCREEN.

WH - WATER HEATER: 52 GALLON, 74 GPH RECOVERY @ 100 DEGREE RISE, 18 KW WITH 3 ELEMENTS @ 208V/3PH/60HZ. LOCHINVAR MODEL HS 18-052 OR EQUAL.

TMC - TEPID WATER CONTROLLER: THERMOSTATIC, 20 GPM @ 10 PSI DROP. SOLID FILL THERMOSTATIC ELEMENT MOUNTED OUT OF WATER WITH FAIL-SAFE FEATURE, INTEGRAL STRAINER AND CHECK-STOPS. SYMMONS "TEMPTROL" OR EQUAL. SET AT 110 DEGREES F.

GYM / ART / MUSIC CENTER PLUMBING PLAN

1994 BUILDING ADDITIONS & RENOVATION PROJECTS

DUNELAND SCHOOL CORPORATION
chesterton, indiana

gerometta & kinel architects, inc.

DATE	3-17-94
SCALE	AS SHOWN
DRAWN	ETD
JOB	9315
SHEET	P-3
OF	55 SHEETS

STOCKDRAFTING FORM NO. 101-66