

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00026-00-PK	MADISON	51	37
	06-00026-01-MS	97331		

FEDERAL AID PROJECT

211 N. Broadway
Suite 1900
St. Louis, MO
63102
(314) 241-8188
FAX (314) 241-0125

KAI

LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE:
**LEGEND, SCHEDULES
AND DETAILS
PLUMBING**

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
12-JULY-05

SHEET NO

P4-01

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PLUMBING FIXTURE CONNECTION SCHEDULE							
MARK	DESCRIPTION	WASTE	TRAP	VENT	COLD WATER	HOT WATER	REMARKS
WC-1	WATER CLOSET, WALL HUNG	4"	-	2"	1 1/2"	-	ADA, 17"A.F.F., ELEC. FLUSH VALVE
WC-2	WATER CLOSET, WALL HUNG	4"	-	2"	1 1/2"	-	15"A.F.F., ELEC. FLUSH VALVE
UR-1	URINAL, WALL HUNG	2"	-	2"	1"	-	ADA, 17"A.F.F., ELEC. FLUSH VALVE
UR-2	URINAL, WALL HUNG	2"	-	2"	1"	-	24"A.F.F., ELEC. FLUSH VALVE
LAV-1	LAVATORY	2"	1 1/2"	1 1/2"	1/2"	1/2"	ADA, ELEC. FAUCET
DF-1	DRINKING FOUNTAIN	1 1/2"	-	1 1/4"	1/2"	-	(ADULT) ADA, 40"/36"A.F.F.
MB-1	MOP BASIN, FLOOR SET	3"	-	2"	3/4"	3/4"	MANUAL FAUCET
HY-1	HYDRANT	-	-	-	3/4"	-	RECESSED, FREEZE PROOF
SK-1	SINGLE BOWL SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"	MAN. FAUCET

MAN. & MODEL NO.
 KOHLER#K-4330/SLOAN#111ES-S
 KOHLER#K-5016-ET/SLOAN#186-1.0ES-S
 ACORN#3702-2-SO-EB-MXT
 STERN WILLIAMS#BF-5000 FP
 STERN WILLIAMS#SB-902/T-10-VB/T-35/T-40/BP
 RECESSED, FREEZE PROOF
 ELKAY#DE-11515/S-23

NOTE: 1. SIZES LISTED ARE MINIMUM CONNECTIONS REQUIRED TO FIXTURES.

DRAIN SCHEDULE					
MARK	MANUFACTURER	MODEL NO.	OUTLET SIZE	STRAINER MATERIAL	REMARKS
FD-1	J.R.SMITH	2010	3"	NICKEL BRONZE	TOILET ROOM
FD-2	J.R.SMITH	2110	4"	CAST IRON	MECHANICAL ROOM AND MECH./PUMP ROOM
FD-3	J.R.SMITH	3710SC	4"	CAST IRON	ELEVATOR SUMP IN ELECTRICAL ROOM

NOTE:

MISCELLANEOUS EQUIPMENT					
MARK	MANUFACTURER	MODEL NO.	CONNECTIONS	INSTALLATION	USE/LOCATION
RPBP-1	FEBCO	860	2 1/2"	HORIZONTAL	DOMESTIC WATER/MECHANICAL ROOM
RPBP-2	FEBCO	860	1"	HORIZONTAL	FOUNTAIN/MECHANICAL ROOM
SP-1	STANCOR	SE50	2"	IN PIT	SUMP PUMP/ELEVATOR PIT

NOTE:

ELECTRIC WATER HEATER SCHEDULE							
MARK	MANUFACTURER	MODEL NO.	STORAGE	RECOVERY	ELEMENT	VOLT/PH	REMARKS
WH-1	BRADFORD WHITE	LD-WH30L3-1C015	30 GAL.	6 GPH	1.5KW	120/1	JANITOR CLOSET
WH-2	BRADFORD WHITE	ES-4000-1-S-10	-	-	4.1 KW	208/3	UNDER SK-1

NOTE: RECOVERY BASED ON 90° RISE

SYMBOLS & ABBREVIATIONS

PLUMBING

PLUMBING ABBREVIATION

AD AREA DRAIN
 AP ACCESS PANEL
 BT BATH TUB
 CO CLEAN OUT
 CW COLD WATER
 DF DRINKING FOUNTAIN
 EWC ELECTRIC WATER COOLER
 FCO FLOOR CLEANOUT
 FD FLOOR DRAIN
 F.F. FINISH FLOOR
 FS FLOOR SINK
 HW HOT WATER
 HWR HOT WATER RETURN
 HWRP HOT WATER RECIRCULATING PUMP
 HY HYDRANT
 INV. EL. INVERT ELEVATION
 LAV LAVATORY
 MB MOP SERVICE BASIN
 PR PLUMBING RISER
 RPBP BACKFLOW PREVENTER (REDUCED PRESSURE)
 SH SHOWER
 SK SINK
 TD TRENCH DRAIN
 TYP. TYPICAL
 V VENT
 VTR VENT THRU ROOF
 W WASTE
 WH WATER HEATER
 WS WATER SOFTNER
 WCO WALL CLEANOUT
 WC WATER CLOSET
 VS VENT STACK
 UR URINAL

PIPING SPECIALTIES

GATE VALVE
 CHECK VALVE
 CIRCUIT SETTER
 BALL VALVE
 BALANCING COCK
 UNION
 STRAINER
 REDUCE PRESSURE BACKFLOW PREVENTER
 THERMOMETER
 GAUGE
 PRESSURE/TEMPERATURE TEST PLUG
 FLOW MEASURING DEVICE
 INDICATES PLUMBING RISER & DRAWING REFERENCE
 (P4-XX)
 CW COLD WATER
 HW HOT WATER (105°)
 HWR HOT WATER RETURN
 v SANITARY VENT
 ST STORM
 S or W SOIL or WASTE
 VTR VENT THRU ROOF AND FLASH
 CO CLEANOUT
 FCO FLOOR CLEANOUT
 WCO WALL CLEANOUT
 FD FLOOR DRAIN
 FS FLOOR SINK
 HB HOSE BIBB
 ELBOW, TURNED UP
 ELBOW, TURNED DOWN
 BRANCH CONNECTION, TOP
 BRANCH CONNECTION, BOTTOM
 DIRECTION OF FLOW
 PIPE CAP OR BLIND FLANGE
 ACCESS PANEL

*NOT ALL OF THESE ITEMS ABOVE ARE ON THE PROJECT

A SLEEVE DETAILS
N.T.S.

B WATER HEATER SUPPORT DETAIL
N.T.S.

C FLOOR DRAIN DETAIL
N.T.S.

D CLASS "C" BEDDING DETAIL
N.T.S.

E FLOOR CLEANOUT
N.T.S.

F REDUCED PRESSURE BACKFLOW PREVENTER
N.T.S. COORDINATE LOCATION OF RPBP-1