FIRE EXTINGUISHER CABINET SCHEDULE	PLUMBING FIXTURE SCHEDULE	PIPING & INSULATION APPLICATIONS		PLUMBING SYMBOLS	• OF CHICAGO
SYMBOL MANUFACTURE SERIES FE REMARKS	TAG FIXTURE TYPE QTY WFU DFU DESCRIPTION  DF-1 DRINKING FOUNTAIN  2 1/2 1/2 ELKAY MODEL# EDFPBM117C, TWO-LEVEL, BARRIER FREE, ADA COMPLIANT. PUSH BUTTON ACTIVATION. 18 GUAGE STAINLESS STEEL. SURFACE MOUNTING PLATE.	REMARKS PIPE 발	!   U	UNDERGROUND SUSPENDED  — DOMESTIC COLD WATER — DOMESTIC COLD WATER  — DOMESTIC HOT WATER — DOMESTIC HOT WATER	COMMIS
FEC-1 POTTER ROEMER EXTINGUISHER CABINET FE-1 REFER TO ARCHITECTURAL FOR MORE INFORMATION. WALL MOUNTING PER ARCHITECT.	FCO FLOOR CLEANOUT X JRS PRODUCTS MODEL# S4100. CAST IRON BODY, NICKEL BRONZE COVER. PUSH—ON.	E-PRESSL	ASTM C1  ASTM C1  JLKED  664  1	— — DOMESTIC HOT WATER — — — DOMESTIC HOT WATER  — — DOMESTIC HOT WATER RETURN — — DOMESTIC HOT WATER RETURN  — — TEMPERED HOT WATER — — TEMPERED HOT WATER	BUILDING
NOTE: REFER TO ARCHITECTURAL DRAWING FOR TYPICAL ACCESSORY MOUNTING HEIGHTS.	FD-1 FLOOR DRAIN 8 2 JAY R SMITH MODEL# 2010C. ROUND TOP, 5" NICKEL BRONZE STAINER.  FD-2 AREA DRAIN 2 JAY R SMITH MODEL# 2142C. 12" ROUND TOP, SEDIMENT BUCKET. HEAVY	JBING	SOIL PON AKUM—(S) SOIL PON AKU	T SANITARY SEWER STORM SEWER  STORM SEWER  STORM SEWER	PUBLIC BU
FIRE EXTINGUISHER SCHEDULE	FD-3 AREA DRAIN  2  JAY R SMITH MODEL# 2220C. 8" ROUND TOP, SEDIMENT BUCKET. LIGHT DUTY. PROVIDE JAY R SMITH TRAP PRIMER.	SOPPER TU SOPPER TU NIZED STE NIZED STE RON PE CAST IROI IRON SOIL		— VENT ————— VENT  ABBREVIATIONS SYMBOLS	
SYMBOL MANUFACTURE CAPACITY UL RATING REMARKS	GS-1 GREASE SEPARATOR 1 JAY R SMITH MODEL# 8007 14 GALLON GREASE CAPACITY 7 GPM, 2" INLET AND OUTLET. 17-3/4"L X 12"H X 10"W.	K SOFT C L HARD ( M COPPE  40 GALVA  LE CAST I  DRAIN PII  & SPIGOT  SESS CAST  IGHT COPF		COME COLD WATER SERVICE STRAINER	Chicago (*1C46)
FE-1 POTTER ROEMER 10 LBS MULTI-PURPOSE 4A-80B:C COMPLETE WITH WALL BRACKET	VACUUM BREAKER. NON-FREEZE.	PROVIDE TESTABLE DOUBLE CHECK VALVE FOR PROTECTION. PROVIDE ACCESS TO VALVE.  PROVIDE POWERS MODEL#  INCOMING WATER SERVICE  SUSPENDED WATER — 4" & OVER	HING NO TO THE THE THE TABLE OF	WR HOT WATER RETURN  W TEMPERED HOT WATER  PW NON-POTABLE WATER  ACCESS PANEL  ACCESS PANEL  GATE VALVE	Chicago Public Library
PLUMBING FIXTURE ROUGH—IN SCHEDULE		LM490 TMV OR EQUAL. "REFER SUSPENDED WATER 3" & LESS	DY DY DE LET	DP BOTTOM OF PIPE  I DOWN  B DOWNSPOUT  R EXISTING TO REMAIN    CIRCUIT SETTER	
AIR INLET TO  CHAMBER STOP	MB-1 MOP BASIN  2 3 2 FIAT MODEL# TSB-500 TERRAZZO MOP BASIN. 24X24X12 WITH STAINLESS STEEL CAPS. PROVIDE CHICAGO FAUCETS MODEL# 911-CP CONCEALED FITTING, W/ ELEVATED VACUUM BREAKER, PAIL HOOK AND WALL BRACE.  ELKAY MODEL# LRADQ3321LUSTERTONE, DOUBLE BOWL 5-1/2" DEPTH,	SUSPENDED SAN. W. & V. UP TO 3" ●	E)	TG EXISTING P HORSEPOWER BALANCING VALVE  THERMOSTATIC MIXING VALVE	
FIXTURE TYPE BY SIX BY	SK-1 DBL BOWL SINK  1 3 2 3-HOLE, ADA COMPLIANT. PROVIDE CHICAGO FAUCETS MODEL# 1100-GN2AE3-317 FAUCET WITH GOOSENECK AND WRISTBLADE HANDLES. PROVIDE E2605-5JKCP 0.5 GPM FLOW OUTLET,	SUPPLIES & ANGLE STOPS.  TRUEBRO PIPE COVERING GUARD.  1. A CLEANOUT SHALL BE INSTALLED AT OR NEAR THE BASE OF E  2. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUM  3. COORDINATE PIPING MATERIAL WITH PROJECT SPECIFICATIONS.	MBING FIXTURES, WALL LOCATIONS, ETC.	SD OPEN SITE DRAIN  PUMP DISCHARGE  FLOOR DRAIN	
WC (F.V.) - 4" 2" 1 1/4" - 1" -  UR - 2" 1 1/2" 1" - 3/4" -	SK-2 SINGLE BOWL SINK  1 3 2 ELKAY MODEL# LRADQ1918 LUSTERTONE, SINGLE BOWL 5-1/2" DEPTH, 3-HOLE, ADA COMPLIANT. PROVIDE CHICAGO FAUCETS MODEL# 1100-GN2AE3-317 FAUCET WITH GOOSENECK AND WRISTBLADE HANDLES. PROVIDE E2605-5JKCP 0.5 GPM FLOW OUTLET,	PROVIDE P-TRAP, CHICAGO FAUCET SUPPLIES & ANGLE STOPS. TRUEBRO PIPE COVERING GUARD.  4. INCOMING WATER SERVICE: 5'-0" OUTSIDE OF BLDG. TO 1'-0"	A.F.F.	STORM  IV THERMOSTATIC MIXING VALVE  VENT  BACKFLOW PREVENTER / RPZ  WATER METER  WHOSE BIBB / WALL HYDRANT	
L 1 1/4" 1 1/2" 1 1/2" 1/2" 1/2" 1/2" 1/2" PROVIDE STOP VALVES AT CWS AND HWS ROUGH IN.	ZURN MODEL# Z5799 "SMALL PINT" 1/8 GPF, HARDWIRED ULTRA LOW UR-1 URINAL (ADA)  2 5 4 CONSUMPTION URINAL SYSTEM, PROVIDE ZURN MODEL# P6000-HW6 POWER	MOUNT NO HIGHER THAN 17" FROM FINISHED FLOOR TO MEET ADA REQUIREMENTS.  BOOSTER PUMP	W	H WATER HEATER R VENT THROUGH ROOF CO WALL CLEANOUT  PUMP  XXXX DEMO / TO BE REMOVED	
SK 1 1/2" 2" 1 1/2" 3/4" 3/4" 1/2" 1/2" PROVIDE STOP VALVES AT CWS AND HWS ROUGH IN.  DW 1 1/2" 1 1/2" 1 1/2" - 3/4" - 1/2"	10 6 DOWN WITH DEAN (CHAIL DE ANTIMICPOPIAL DIACTIC) DECOME	17" HIGH BOWL IS ADA COMPLIANT W/ SEAT. PROVIDE  TYPE  OPM  FEET  V/PH/HZ  HP  RPM  REMARKS		NEW CONNECTION CO YARD CLEANOUT CLEANOUT	ATER IBRARY WAY STREET NOIS 60660 C LIBRARIES W CONSTRUCTION SR RAHM EMANUEL
DF 1 1/2" 1 1/2" 1 1/2" - 1/2" - 1/2" - PROVIDE STOP VALVE AT CWS ROUGH IN.	WC-2 WATER CLOSET (ADA)  111-1.28 ES-S HARD WIRED SENSOR FLUSHOMETER AND SLOAN EL-154 TRANSFORMER. 1.28GPF. WALL MOUNTED CARRIERS.  KOHLER MODEL# K-4330 "KINGSTON". WALL-HUNG, TOP SPUD, ELONGATED	BEMIS ANTIMIĆROBIAL SEAT.  BP PRE-PACKAGED 2 @ 49 208/3/60 2 3450 CAPACITY OF	DUPLEX MINI MI, COMPLETELY PRE— PACKAGED STEM. BOOST PRESSURE OF 21 PSI WITH A 70 GPM WITH VFD PRESSURE CONTROL (2)		LIBI SWAY INOIS SWCONS
MB 2" 2" 1 1/2" 3/4" 1/2" 1/2" MOUNT VACUUM BREAKER AT 7'-6" AFF.	WC-3 WATER CLOSET (DUAL FL) 1 10 6 BOWL. WITH BEMIS SEAT (SHALL BE ANTIMICROBIAL PLASTIC). PROVIDE SLOAN WES-111 DUAL-FLUSH, FLUSHOMETER. WALL MOUNTED CARRIERS.  JAY R SMITH MODEL# 1330C/1340C, 8-1/2" Ø LOW PROFILE DOME. 2"Ø	* MODEL NO. REFLECTS FIRST NAMED MANUFACTURER. OTHER MANUFACTURER'S ARE APP	RS MODEL #120M-2FA, BRONZE FITTED END MPS. PROVIDE REMOTE MOUNTED UMATIC 40 GALLON TANK AT FURTHEST POINT. PROVED IF THEY MEET FIRST NAME MANUFACTURER'S PRODUCT.		GEV GCH SROAL 30, ILL PUBL GGO, MAY
FD 2" 2" 1 1/2" GROUND LEVEL FD'S HAVE 4" TRAPS AND OUTLETS.  HB 3/4" - 3/4" - PROVIDE CHICAGO APPROVED	STANDPIPE TYPE. COMBINED FLASHING CLAMP AND GRAVEL STOP.  JAY R SMITH MODEL# DX1010C, 11" Ø DOME. WIDE BODY FLANGE WITH RD-1 ROOF DRAIN  5 COMBINED FLASHING CLAMP AND GRAVEL STOP. REFER TO DRAWINGS FOR	WATER HEATER SCHEDULE		EXPANSION TANK SCHEDULE	EDGEV BRANCH 6000 N. BROAL CHICAGO PUBL CAPITAL PROGRAM N
DENIEDAL DILLIMBING NOTES	FIXTURE SCHEDULE TOTALS: 119 90 X - REFER TO PLANS FOR FIXTURE COUNT. PROVIDE AND HANDLES FOR DRINKING FOR PROVIDE AND PROVIDE	GLE STOPS WITH LOOSE KEY OR ALL LAVATORIES, SINKS AND DUNTAINS.  HEATER NO. LOCATION STORAGE (GALLON)  GALL ON GPH  TEMP. RISE OF PHASE/ PHASE/ PHASE/ FREQUENCY INPUT	WATER TEMP OUT °F  WATER  * * * * * * * * * * * * * * * * * *	TAG LOCATION SIZE (IN) TANK VOLUME WORKING PRESSURE PRESSURE FLUID MANUFACTURER AND MODEL REMARKS	CHIC CAPIT C
GENERAL PLUMBING NOTES:  ALL THE FOLLOWING NOTES APPLIES TO ALL PLUMBING DRAWINGS.  1. EACH TRADE CONTRACTOR SHALL VISIT CONSTRUCTION SITE PRIOR TO BIDDING.	4'-0"	OUNTAINS.    FREQUENCY   INPUT	PROVIDE 4" PVC  140 EXHAUST AND INTAKE. AO SMITH BTH-120 380LBS	ET BOILER RM 12 6.4 150 125 CW AMTROL MODEL ST-12-C 1	
EXAMINE SCOPE AND CONDITIONS OF OTHER CONTRACT WORK, EXAMINE EXISTING CONDITIONS AND ALL INTERFERENCES AND REQUIRED COORDINATION IN ORDER TO INCLUDE EFFECT OF SAID CONDITIONS IN THEIR BID. BID DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE ALL REQUIRED RELOCATIONS, OFFSETS,	OVERFLOW DRAIN ROOF DRAIN	* MODEL NO. REFLECTS FIRST NAMED MANUFACTURER. OTHER MANUFACTURER'S, AS INDICATED, ARE APPROVED IF THEY MEET	T FIRST NAME MANUFACTURER'S PRODUCT.		
CHANGE IN ASPECT RATIOS, OR ROUTING CHANGES REQUIRED TO INTEGRATE WORK WITH ALL OTHER CONDITIONS OR TRADES. WORK INSTALLED BEFORE COORDINATING SO AS TO CAUSE INTERFERENCES WITH OTHER TRADES SHALL BE REMOVED AND REWORKED WITHOUT COST TO OWNER. COST OF PROVIDING SUCH	ROOF	PUMP SCHEDULE			ARCHITECTURE PLANNING INTERIORS
RELOCATIONS, OFFSETS, SIZE, CHANGES, REROUTING, ETC. SHALL BE INCLUDED IN BID. CODE CONFORMING SCALED (1/4") COORDINATED DRAWINGS SHALL BE PREPARED BY EACH TRADE TO FACILITATE AND VERIFY FIT AND CONGRUENCE OF THEIR INSTALLATION WITH OTHER TRADES.		PUMP No. TYPE GPM FEET V/PH/HZ HP RPM	REMARKS MANUFACTURER AND MODEL NO.		LOHAN
2. THIS CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL EQUIPMENT IN ACCORDANCE WITH THE CHICAGO BUILDING CODE. AFTER EACH WORK DAY, CONTRACTOR SHALL CLEAN ALL WORK AREAS AND REMOVE ALL DEBRIS.		EP   ELEVATOR PIT PUMP   20 GPM   24'   120/1/60   1/3   175	PROVIDE OIL MINDER CONTROL SYSTEM. WEIL 1408		ANDERSON
<ol> <li>THIS CONTRACTOR SHALL PAY ALL PERMIT FEES, PLAN REVIEW FEES, LICENSE FEES, INSPECTIONS FEES AND TAXES APPLICABLE TO THEIR DIVISION AND SHALL BE INCLUDED IN THE BASE BID AS PART OF THEIR CONTRACT.</li> </ol>	3"	RECIRCULATION PUMP   8 GPM   35'   120/1/60   1/2   172	PROVIDE AUTOMATIC TIMER AND AUQUSTAT COMBINATION TO CONTROL PUMP.  BELL AND GOSSETT "SERIES 90" 1-1/2A		401 NORTH MICHIGAN AVE. SUITE 500 CHICAGO, IL, 60611 TEL #: 312.988.7800 FAX #: 312.229.1232
4. THIS CONTRACTOR SHALL FURNISH AS-BUILT CONTRACT DOCUMENTS TO THE OWNER / ENGINEER BEFORE FINAL PAYMENT WILL BE ISSUED. THE CONTRACT RECORD DOCUMENTS SHALL BE SUBMITTED IN AUTOCAD DRAWINGS FORM.	5" 15	* MODEL NO. REFLECTS FIRST NAMED MANUFACTURER. OTHER MANUFACTURER'S, AS INDICATED, ARE APPROVED IF THEY MEET	T FIRST NAME MANUFACTURER'S PRODUCT.	FAUCET	Matrix Engineering Corp.
THIS CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR ONE YEAR AFTER COMPLETION AGAINST ALL DEFECTS OF MATERIAL, EQUIPMENT AND WORKMANSHIP.  6. PROVIDE BACK FLOW PREVENTORS AND TEST IN ALL LOCATIONS REQUIRED BY CODE.					Chicago, Illinois Structural Engineer  Henneman Engineering In
7. PROVIDE MAXIMUM HEADROOM IN ALL PIPED LOCATIONS.  8. PROVIDE ISOLATION VALVES FOR COLD, HOT, AND HOT WATER RETURN SYSTEMS AT	CAST IRON PIPE  DROPPED CEILING			LAVATORY	Chicago, Illinois Mechanical Engineer  CCJM Engineers, Ltd.
EACH FIXTURE, FIXTURE GROUP AND SYSTEM COMPONENTS TO ALLOW FOR PROPER MAINTENANCE.  9. INSTALL EQUIPMENT PER MANUFACTURES INSTRUCTIONS AND ALL APPLICABLE CODES.	CONNECT OVERFLOW DRAIN PIPING  N	FLOOR DRAIN W/SEDIMENT BUCKET  FINISHED FLOOR  FINISHED FLOOR		HOT WATER ————————————————————————————————————	Chicago, Illinois Electrical, Plumbing, FP Engineer  Delta Engineering, Inc.
PROVIDE PANS AND DRAIN LINES.  10. INSULATE ALL PIPES RACKED TO OUTSIDE WALLS SUBJECT TO FREEZING.	TO VERTICAL PORTION OF MAIN DOWNSPOUT  *NOTE: THIS DETAIL IS FOR INFORMATION ONLY. REFER	PRECAST		THERMOSTATIC VALVE, LEAVE ACCESS	Chicago, Illinois Civil Engineer  Bauer Latoza Studio
<ul><li>11. PROVIDE ALL PROPER BUILDING PENETRATIONS TO MEET ALL MANUFACTURERS INSTRUCTIONS AND ALL APPLICABLE CODES.</li><li>12. INSULATE ALL HOT, COLD AND RETURN WATER LINES. INSULATE ALL STORM PIPING.</li></ul>	TO ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION DETAILS.	PRECAST NON-SHRINK GROUT		HOT WATER————————————————————————————————————	Chicago, Illinois Landscape Architect
<ul><li>13. PROVIDE EXPANSION JOINTS AS REQUIRED BY CODE ON HOT WATER SYSTEMS.</li><li>14. PROVIDE LOCAL STOPS OR VALVES AT ALL WATER CONNECTIONS TO PLUMBING</li></ul>	ROOF DRAIN AND OVERFLOW DRAIN DETAIL  P4.1 NOT TO SCALE			LAV W/THERMOSTATIC MIXING VALVE P4.1 NOT TO SCALE	HJKessler Associates, Inc Chicago, Illinois LEED Consultant
FIXTURES. ISOLATE RISERS AT CONNECTIONS TO MAINS WITH SHUT-OFF VALVES. PROVIDE DRAIN COCKS TO FACILITATE SERVICING.  15. ALL HOT WATER SUPPLY AND RE-CIRCULATING PIPING SHALL BE INSTALLED TO		"P" TRAP SEE PLANS FOR SIZES		NOT TO SCALE	
COMPENSATE FOR EXPANSION OF THE PIPE BY INSTALLING PIPE ANCHORS, GUIDES, EXPANSION JOINTS OR LOOPS AND PIPE OFFSETS AS REQUIRED BY FIELD CONDITIONS.  16. DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC ACTION. DI-ELECTRIC UNIONS ARE TO BE USED AT ALL SUCH CONNECTIONS.	HOT WATER RETURN PUMP  SEE DETAIL #5				
17. INSTALL ALL PIPING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. WATER AND DRAIN LINES ARE NOT PERMITTED OVER OR UNDER ELECTRICAL PANELS OR DEDICATED ELECTRICAL SPACES.	<u> </u>	C FLOOD DDAIN DETAIL			Issuance  Mark Description Date
18. THE CONTRACTOR SHALL PROVIDE AND INSTALL FAUCETS, TRAPS, STOPS, GATE VALVES, WATER HAMMER ARRESTERS AND CLEANOUT COVERS. FURNISH AND INSTALL ALL NECESSARY TRIM FOR A COMPLETE CONNECTED PLUMBING SYSTEM READY FOR	SHUT-OFF VALVE	P6.1 NOT TO SCALE		CAST IRON DOWNSPOUT TO ROOF-PROVIDE BRACKET FOR EACH	
OPERATION.  19. PROVIDE CLEANOUTS AT BASE OF RISERS AND ON RISER STACKS. PROVIDE CLEANOUTS IN ACCESSIBLE LOCATIONS, TYP ALL.	THERMOMETER  CHECK VALVE TYP.  EXPANSION TANK SUPPORT FROM	, PROVIDE		LENGTH  RAINLEADER	
20. ALL PENETRATIONS THROUGH FIRE—RATED WALLS AND FLOORS SHALL BE MADE FIRE SAFE IN COMPLIANCE WITH THE CITY OF CHICAGO BUILDING CODE. RATING SHALL MEET OR EXCEED RATING OF WALL OR FLOOR.	DECK. ET	DOWNSPOUT OR SANITARY STACK	SLEEVE SECOND FLOOR	1 1/4"X 3/16" W.I. STRAP-ANCHOR TO WALL WITH EXPANSION SHIELDS-PROTECT STRAP WITH ENAMEL PAINT  CAST IRON CLEANOUT "T" BRANCH WITH	
21. FINISHED PIPING SHALL BE TESTED PER CHICAGO PLUMBING CODE 18-29-606.6 AND FLUSHED AND CHLORINATED PER CODE 18-29-610.1.	FLUE AND FINAL CONNECTIONS TO MAIN FLUE BY HVAC CONTACTOR.  FLUE AND FINAL REDUCER TYP  UNION TYP		CO	THREADED PLUG	
	P&T RELIEF VALVE WITH  DISCHARGE PIPED TO  FLOOR DRAIN.	CLEANOUT	1 1/2" PUMP DISCH. OPEN SITE DRAIN AT	ARGE TO JANITORS 111	
PROVIDE PUMP SUPPORTS THERMOMETER— FROM STRUCTURE (DO NOT SUPPORT FROM PIPING)	WH 1		STEEL GRATE 1-1/2" COVER FOR PUMP PIT BY GENERAL CONTRACTOR.  1-1/2" FIRST FLOOR	CAST IRON EIGHTH  CAST IRON SOIL PIPE-	10 ADDENDUM #3 10.25.11 5 PERMIT 06.24.11
CONTROLLER AND SWITCH —	IWR TO WATER HEATER  GAS PIPING AND BY HVAC CONTRA	VALVES 77	ELEVATOR PIT PUMP	CAST IRON SOIL PIPE— SEE SPECIFICATIONS FOR WEIGHT AND TYPE OF JOINT	4 60% CD REVIEW 04.04.13 3 DESIGN DEVELPOMENT 02.14.13 2 SCHEMATIC DESIGN 12.16.10
SHUT-OFF VALVE TYP  THERMOSTAT  HWR PIPING FROM LOOP		FINISHED FLOOR	ELEV. PIT — GATE VALVE CHECK VALVE		1 CONCEPTUAL DESIGN 09.01.1
					PBC Project No.: 08050  AOR Project No.: 08280
STRAINER DIELECTRIC UNION  MIN.10'-0"  PRESSURE GAUGE GLOBE VALVE CHECK VALVE			18" X 18" X 18"  DEEP CONCRETE PUMP PIT BY GENERAL CONTRACTOR  UNION		SCHEDULES, NOTES &
DIELECTRIC UNION	Y HOUSEKEELING TAD		GENERAL CONTRACTOR   C C C C C C C C C C C C C C C C C C	FOUNDATION — CAST IRON — EIGHTH BEND	DETAILS
WATER RECIRCULATING PUMP DETAIL  P4.1 NOT TO SCALE	Y HOUSEKEELING TAD	7 ELEVATION OF DRAINAGE STACK CLEANOUT	SELEVATOR PIT PUMP DETAIL	DOWNSPOUT SHOE	DETAILS  Sheet  P4.1



