DIFFUSERS, GRILLES AND REGISTERS

TYPE 'C': SHALL BE OR EQUAL TO SQUARE CONE DIFFUSERS EH PRICE MODEL 'SCD' OF STEEL CONSTRUCTION. REFER TO DRAWINGS FOR SIZES AND MOUNTING TYPES. DIFFUSERS SHALL CONSIST OF A PRECISION FORMED BACK CONE OF ONE–PIECE SEAMLESS CONSTRUCTION THAT INCORPORATES A ROUND INLET COLLAR OF SUFFICIENT LENGTH FOR CONNECTING RIGID OR FLEXIBLE DUCT. THE DIFFUSER SHALL INTEGRATE WITH ALL DUCT SIZES SHOWN ON THE PLANS WITHOUT AFFECTING THE FACE SIZE AND APPEARANCE OF THE UNIT. AN INNER CONE ASSEMBLY SHALL CONSIST OF 3 CONES (OR OPTIONAL 4 CONES) WHICH DROP BELOW THE CEILING PLANE TO ASSURE OPTIMAL AIR DIFFUSION PERFORMANCE. THE INNER CONE ASSEMBLY SHALL BE COMPLETELY REMOVABLE FROM THE DIFFUSER FACE TO ALLOW FOR FULL ACCESS TO ANY DAMPERS OR OTHER DUCTWORK COMPONENTS LOCATED NEAR THE DIFFUSER NECK. FINISH SHALL BE B12 WHITE POWDER COAT.

TYPE 'S': SHALL BE OR EQUAL TO EH PRICE MODEL 5200 STEEL SUPPLY REGISTERS OF THE SIZES AND MOUNTING TYPES INDICATED ON THE PLANS. REGISTERS SHALL BE DOUBLE DEFLECTION TYPE WITH TWO SETS OF FULLY ADJUSTABLE DEFLECTION BLADES SPACED 3/4 IN. ON CENTER. THE FRONT SET OF BLADES SHALL RUN PARALLEL TO THE LONG DIMENSION OF THE REGISTER, AS INDICATED. THE INTEGRAL VOLUME CONTROL DAMPER SHALL BE OF THE OPPOSED BLADE TYPE AND SHALL BE CONSTRUCTED OF COLD ROLLED STEEL. THE DAMPER SHALL BE OPERABLE FROM THE REGISTER FACE. THE DAMPER SHALL BE COATED STEEL. THE GRILLE SHALL BE FINISHED IN B12 WHITE POWDER COAT.

TYPE 'G': SHALL BE OR EQUAL TO EH PRICE MODEL 530 STEEL RETURN GRILLES OF THE SIZES AND MOUNTING TYPES INDICATED ON THE DRAWING. GRILLES SHALL BE 45 DEGREE DEFLECTION FIXED LOUVER TYPE WITH BLADES SPACED 1/2 IN. ON CENTER. THE BLADES SHALL RUN PARALLEL TO THE LONG DIMENSION OF THE GRILLE. THE GRILLE SHALL BE FINISHED IN B12 WHITE POWDER COAT.

TYPE 'E': SHALL BE OR EQUAL TO EH PRICE MODEL 80 RETURN GRILLES OR EQUIVALENT. RETURN AIR GRILLES SHOWN SHALL BE SIZED AS SHOW ON THE DRAWING AND SHALL BE OF ALUMINUM CONSTRUCTION, CONSISTING OF ALUMINUM 1/2 IN. X 1/2 IN. X 1/2 IN. GRID (EGGCRATE CORE) AND AN EXTRUDED ALUMINUM BORDER. THE GRILLE SHALL BE FINISHED IN B12 WHITE POWDER COAT.

FOR GRILLES WHERE EXHAUST AIR VALUES ARE SHOWN, PROVIDE OPPOSED BLADE DAMPER. DAMPER SHALL BE CONSTRUCTED OF COLD ROLLED STEEL. THE DAMPER SHALL BE OPERABLE FROM THE REGISTER FACE.

TYPE 'D': SHALL BE OR EQUAL TO EH PRICE MODEL ATGI. DOOR TRANSFER GRILLES SHALL HAVE FINELY SPACED BLADES FOR AN ATTRACTIVE SIGHTPROOF APPEARANCE AND ARE DESIGNED FOR APPLICATIONS IN DOORS OR PARTITIONS. GRILLES SHALL BE COMPLETE WITH FLAT BORDER AND COUNTERSUNK SCREW HOLES.

UTILITY VENT SET

1. FAN SHALL BE A SINGLE WIDTH, SINGLE INLET, BACKWARD INCLINED FLAT BLADE, BELT DRIVEN CENTRIFUGAL VENT SET.
2. FAN SHALL BE MANUFACTURED AT AN ISO 9001 CERTIFIED FACILITY. FAN SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL/CUL 705) FOR US AND CANADA. FOR RESTAURANT APPLICATIONS, FAN SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL/CUL 762) FOR US AND CANADA. FAN SHALL BEAR THE AMCA CERTIFIED RATINGS SEAL FOR SOUND AND AIR PERFORMANCE.
3. THE FAN SHALL BE OF BOLTED AND WELDED CONSTRUCTION UTILIZING CORROSION RESISTANT FASTENERS. THE SCROLL WRAPPER SHALL BE MINIMUM 14 GAUGE STEEL AND THE SCROLL SIDE PANELS SHALL BE MINIMUM 12 GAUGE STEEL. THE ENTIRE FAN HOUSING SHALL HAVE CONTINUOUSLY WELDED SEAMS FOR LEAKPROOF OPERATION. A PERFORMANCE CUT–OFF SHAPE IS TO BE FURNISHED TO PREVENT THE RECIRCULATION OF AIR IN THE FAN HOUSING. THE FAN HOUSING SHALL BE FIELD ROTATABLE TO ANY ONE OF EIGHT DISCHARGE POSITIONS AND SHALL HAVE A MINIMUM 1–1/2 INCH OUTLET DISCHARGE FLANGE. BEARING SUPPORT SHALL BE MINIMUM 10 GAUGE WELDED STEEL. SIDE ACCESS INSPECTION PORTS SHALL BE PROVIDED WITH QUICK RELEASE LATCHES FOR ACCESS TO THE MOTOR COMPARTMENT WITHOUT REMOVING THE WEATHER COVER. LIFTING LUGS SHALL BE PROVIDED FOR EASE OF INSTALLATION. UNIT SHALL BEAR AN ENGRAVED ALUMINUM NAMEPLATE. NAMEPLATE SHALL INDICATE DESIGN CFM, STATIC PRESSURE, AND MAXIMUM FAN RPM. UNIT SHALL BE SHIPPED IN ISTA CERTIFIED TRANSIT TESTED PACKAGING.
4. STEEL FAN COMPONENTS SHALL BE LORENIZED™ WITH AN ELECTROSTATICALLY APPLIED, BAKED POLYESTER POWDER COATING. EACH COMPONENT SHALL BE SUBJECT TO A FIVE STAGE ENVIRONMENTALLY FRIENDLY WASH SYSTEM, FOLLOWED BY A MINIMUM 2 MIL THICK BAKED POWDER FINISH. PAINT MUST EXCEED 1,000 HOUR SALT SPRAY UNDER ASTM B117 TEST METHOD.
5. WHEEL SHALL BE CENTRIFUGAL BACKWARD INCLINED, CONSTRUCTED OF 1005 ALUMINUM, INCLUDING A PRECISION MACHINED CAST ALUMINUM HUB. WHEEL HUB SHALL BE KEYED AND SECURELY ATTACHED TO THE FAN SHAFT. WHEEL INLET SHALL OVERLAP AN AERODYNAMIC ALUMINUM INLET CONE TO PROVIDE MAXIMUM PERFORMANCE AND EFFICIENCY. WHEEL SHALL BE BALANCED IN ACCORDANCE WITH AMCA STANDARD 204–05, BALANCE QUALITY AND VIBRATION LEVELS FOR FANS.
6. MOTOR SHALL BE NEMA DESIGN B WITH CLASS B INSULATION RATED FOR CONTINUOUS DUTY AND FURNISHED AT THE SPECIFIED VOLTAGE, PHASE AND ENCLOSURE.
7. BLOWER SHAFT SHALL BE AISI C–1045 HOT ROLLED AND ACCURATELY TURNED, GROUND AND POLISHED. SHAFTING SHALL BE SIZED FOR A CRITICAL SPEED OF AT LEAST 125% OF MAXIMUM RPM.
8. BEARINGS SHALL BE DESIGNED AND TESTED SPECIFICALLY FOR USE IN AIR HANDLING APPLICATIONS. CONSTRUCTION SHALL BE HEAVY DUTY REGREASABLE BALL OR ROLLER TYPE IN A CAST IRON PILLOW BLOCK HOUSING SELECTED FOR A MINIMUM L50 LIFE IN EXCESS OF 200,000 HOURS AT MAXIMUM CATALOGED OPERATING SPEED.
9. BELTS SHALL BE OIL AND HEAT RESISTANT, STATIC CONDUCTING. DRIVES SHALL BE PRECISION MACHINED CAST IRON TYPE, KEYED AND SECURELY ATTACHED TO THE WHEEL AND MOTOR SHAFTS. DRIVES SHALL BE SIZED FOR 150% OF THE INSTALLED MOTOR HORSEPOWER. THE VARIABLE PITCH MOTOR DRIVE MUST BE FACTORY SET TO THE SPECIFIED FAN RPM.
10. FAN SHALL BE MODEL CPV AS MANUFACTURED BY LOREN COOK COMPANY OF SPRINGFIELD, MISSOURI.

CEILING MOUNTED EXHAUST FANS

1. DIRECT DRIVE, CENTRIFUGAL CABINET FAN SHALL BE MANUFACTURED BY YORK/JCI. APPROVED EQUALS INCLUDE GREENHECK & LOREN COOK COMPANY.
2. FAN SHALL BE DIRECT DRIVEN BY THE MOTOR. FAN SHALL CONSIST OF HOUSING, WHEEL, FAN SHAFT, BEARINGS, MOTOR AND DISCONNECT SWITCH, DRIVE ASSEMBLY, AND ACCESSORIES.
3. FAN HOUSING SHALL BE ACOUSTICALLY INSULATED, GALVANIZED STEEL, AND INCLUDE INTEGRAL BACKDRAFT DAMPER WHICH SHALL BE CHATTER PROOF. FANS SHALL BE PROVIDED WITH CORD, PLUG AND RECEPTACLE MOUNTED INSIDE THE HOUSING. ENTIRE FAN, MOTOR AND WHEEL ASSEMBLY SHALL BE REMOVABLE. FAN CONFIGURATION SHALL BE EQUAL TO ORIENTATION SHOWN ON PLANS AND BE OF CEILING RECESSED TYPE.
4. FAN WHEEL SHALL BE GALVANIZED STEEL, FORWARD CURVED CENTRIFUGAL WHEEL TYPE.
5. FAN MOTORS SHALL BE MULTISPEED (FOR APPLICABLE MODELS), POSITIVELY COOLED, HAVE THERMAL OVERLOAD PROTECTION, BE SUITABLY GROUNDED, AND MOUNTED ON VIBRATION ISOLATORS.
6. GRILLE FACE SHALL BE OF AERODYNAMIC WHITE EGG CRATE DESIGN AND PROVIDE A MINIMUM OF 80% FREE AREA.
7. EACH FAN SHALL COMPLY WITH UL705, UL507 AND UL555C WHERE APPLICABLE. IT SHALL ALSO BEAR THE AMCA SEAL AND BE RATED BASED ON TESTS AND PROCEDURES PERFORMED IN ACCORDANCE WITH AMCA PUBLICATION 211 AND AMCA PUBLICATION 311 AND COMPLY WITH THE REQUIREMENTS OF THE AMCA CERTIFIED RATINGS PROGRAM.
8. THE WARRANTY OF THIS EQUIPMENT IS TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF 12 MONTHS FROM SHIPMENT DATE. THE WARRANTY IS FOR PARTS ONLY AND DOES NOT INCLUDE ANY LABOR. ANY UNITS OR PARTS WHICH PROVE DEFECTIVE DURING THE WARRANTY PERIOD WILL BE REPLACED AT THE MANUFACTURERS' OPTION WHEN RETURNED TO THE MANUFACTURER, TRANSPORTATION PREPAID.
9. FANS SHALL INCLUDE STEP DOWN TRANSFORMER WHERE REQUIRED.
10. FANS SHALL BE EQUIPPED WITH SOLID STATE SPEED CONTROLLER EQUAL TO JCI 'QUADRAC' SPEED CONTROLLER. CIRCUITRY TO INSURE NOT ONLY COMPLETE SPEED RANGE CONTROL, BUT PERMIT PRECISE SYSTEM BALANCING. CONTROLLER SHALL BE INSTALLED AND CONNECTED WITHIN THE FAN CASING.
11. DIVISION 16 SHALL INCLUDE FOR WIRING AND MOUNTING SPEED CONTROLLER AND/OR TRANSFORMER AND REVERSE–ACTING THERMOSTAT WHERE APPLICABLE.

DAMPERS

FIRE/SMOKE DAMPERS:

SHALL BE EH PRICE FSD–3V–S–212, LEAKAGE CLASS II, COMBINED FIRE/SMOKE DAMPER COMPLETE WITH PARALLEL BLADE TYPE DAMPER SUITABLE FOR HORIZONTAL & VERTICAL MOUNTING C/W SMOKE SPRING RETURN ACTUATOR, DSDF INTEGRAL SMOKE DETECTOR, POWER SUPPLY 120/1/60, UL RATED FOR 1 1/2 HOURS, C/W FUSIBLE LINK RATED FOR 165°F.

FIRE DAMPERS:

SHALL BE EH PRICE FDD–B, TYPE B, DYNAMIC FIRE DAMPER RATED FOR 1 1/2 HOURS, C/W FUSIBLE LINK RATED FOR 165°F.

MISCELLANEOUS PLUMBING EQUIPMENT

TRAP PRIMER STATION:

ONE TO FOUR DRAIN

–PROVIDE P.P.P MP–500 COMPLETE WITH ADJUSTABLE TIMER TRAP SEAL PRIMER. TAP SIZE TO BE 15MM (1/2") WITH INTEGRAL STAINLESS STEEL SCREEN. ELECTRICAL COMPONENTS SHALL INCLUDE CIRCUIT BREAKER, TEST SWITCH, TIMER SOLENOID VALVE (UL LISTED) AND 120V/1PH/60HZ CONNECTION.

MORE THAN FOUR DRAIN

–PROVIDE P.P.P. PT COMPLETE WITH ADJUSTABLE TIMER TRAP SEAL PRIMER. PRIMER SHALL BE ACTIVATED BY A 20MM (3/4") NORMALLY CLOSED SOLENOID VALVE. MANIFOLD SHALL BE PREFABRICATED TYPE "L" COPPER TUBING. ELECTRICAL COMPONENTS SHALL INCLUDE CIRCUIT BREAKER, SWITCH, TIMER, SOLENOID VALVE (UL LISTED). ELECTRONIC ASSEMBLY TESTED AND CERTIFIED TO UL73. ELECTRICAL CONNECTION SHALL BE 120V/1PH/60HZ. CABINET SHALL BE 356MM X 406MM X 86MM MADE FROM 16 GA STEEL AND GALVANIZED. ACCESS DOOR SHALL BE PRIME COATED STEEL COMPLETE WITH SCREW DRIVER LATCH

FLOOR DRAIN 'FD':

WATTS FD–100–C–7–A5–1 FLOOR DRAIN – EPOXY COATED, CAST IRON BODY, REVERSIBLE FLASHING CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, TRAP PRIMER CONNECTION WITH PLUG, NO HUB OUTLET. WATTS A5–1 5" (127 MM) DIAMETER, NICKEL BRONZE, ADJUSTABLE ROUND STRAINER. PROVIDE KERDI–DRAIN–A ADAPTOR KIT.

FOR QUARRY OR MOSAIC TILED AREAS PROVIDE 125MM X 125MM (5" X 5") SQUARE NICKEL BRONZE STRAINER. WATTS L5–1 5" X 5" (127 MM X 127 MM) NICKEL BRONZE, HEAVY DUTY, SQUARE STRAINER. PROVIDE KERDI–DRAIN–A ADAPTOR KIT.

FUNNEL FLOOR DRAIN 'FFD':

WATTS FD–100–C–EG–50–7 FLOOR DRAIN – EPOXY COATED, CAST IRON BODY, REVERSIBLE FLASHING CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, 5" (127 MM) DIAMETER NICKEL BRONZE, ADJUSTABLE ROUND STRAINER, 4" X 9" (102 MM X 229 MM) OVAL CAST IRON FUNNEL, TRAP PRIMER CONNECTION WITH PLUG, NO HUB OUTLET.

HUB DRAIN 'HD':

CAST IRON BODY DRAIN, REVERSIBLE FLASHING CLAMP WITH WEEP HOLES AND NICKEL BRONZE HUB ADAPTOR. J.R.SMITH 2005–2645NB; ZURN ZN415–1030; MIFAB F1100C–DD–1, WATTS FD–100–C–DD–1.

ELECTRIC PIPE TRACING:

PROVIDE ELECTRIC PIPE TRACING AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. THE ENTIRE DESIGN SHALL COMPLY WITH THE ELECTRICAL CODE AND ALL CODES AND AUTHORITIES HAVING JURISDICTION. USE TYPE XL SELF–REGULATING HEATING CABLE, 16 AWG, NICKEL–COPPER BUS WIRES EMBEDDED IN SELF–REGULATING POLYMER CORE CAPABLE OF RESPONDING TO TEMPERATURE ALONG ITS ENTIRE LENGTH, TINNED COPPER BRAID, OUTER MODIFIED POLYOLEFIN JACKET. HEAT TRACING SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS USING MANUFACTURER APPROVED COMPONENTS. POWER TO LOCAL JUNCTION BOX AND FINAL CONNECTION AT JUNCTION BOX NOT BY DIV. 15 (COORDINATE WITH DIV.16). ALL WIRING DOWNSTREAM OF JUNCTION BOX INCLUDING COLD LEAD SECTIONS SHALL BE BY DIV. 15. SIZE CABLES IN ACCORDANCE WITH BASIC ELECTRICAL FORMULAS OR MANUFACTURER'S DESIGN AIDS. SIZING SHALL BE BASED ON MAINTAINING PIPING AT 40°F AT AN OUTDOOR DESIGN TEMPERATURE OF –20°F. ALL CIRCUITS SHALL BE THERMOSTATICALLY CONTROLLED TO SHUT OFF POWER TO HEAT TRACING CABLES AT AMBIENT TEMPERATURES ABOVE 40°F.

PLUMBING FIXTURE PIPE SCHEDULE

SYMBOL	ITEM	PIPE CONNECTION C.W.	H.W.	DRAIN	VENT
WC	WATER CLOSET (FLUSH TANK)	1/2"ø	–	3"ø	1–1/2"ø
WC	WATER CLOSET (FLUSH VALVE)	1"ø	–	3"ø	1–1/2"ø
U	URINAL	3/4"ø	–	1–1/2"ø	1–1/4"ø
SH	SHOWER	1/2"ø	1/2"ø	1–1/2"ø	1–1/4"ø
LAV	LAVATORY	1/2"ø	1/2"ø	1–1/4"ø	1–1/4"ø
KS	KITCHEN SINK	1/2"ø	1/2"ø	1–1/2"ø	1–1/4"ø
MS	MOP SINK	1/2"ø	1/2"ø	3"ø	1–1/2"ø
DF	DRINKING FOUNTAIN	1/2"ø	–	1–1/4"ø	1–1/4"ø
CW	CLOTHES WASHER	1/2"ø	1/2"ø	1–1/2"ø	2"ø
DW	DISHWASHER (ROUGH–IN ONLY)	–	1/2"ø	1–1/2"ø	1–1/4"ø
HB	HOSE BIBB	1/2"ø	–	–	–
NFHB	NON–FREEZE HOSE BIBB	3/4"ø	–	–	–
EW	EYE WASH	3/4"ø	3/4"ø	1–1/4"ø	1–1/4"ø
FD	FLOOR DRAIN	PRIMED	–	2"ø/3"ø	1–1/2"ø

NOTES:
– ALL SANITARY VENTING TO BE INSTALLED IN ACCORDANCE WITH LATEST EDITION OF THE OBC.
– ALL FLOOR DRAINS & HUB DRAINS SHALL BE TRAPPED, VENTED AND PRIMED BELOW FLOOR.

PLUMBING FIXTURES

L–1: DROP–IN BASIN – STAINLESS STEEL – SINGLE HANDLE FAUCET

FRANKE COMMERCIAL OV1821–6–1 BASIN – DROP–IN LAVATORY

MOEN 8416F05 FAUCET – SINGLE HANDLE, POLISHED CHROME FINISH, 3–HOLE 4" CENTERS, LEAD FREE ANSI/NSF 61 COMPLIANT, BRASS CONSTRUCTION, 1.9 LPM (0.5 GPM) MAXIMUM FLOWRATE, VANDAL–RESISTANT AERATED OUTLET

CHICAGO FAUCETS 131–FMAB MIXING VALVE – POINT OF USE, THERMOSTATIC MIXING VALVE

MCGUIRE 155A FIXTURE DRAIN – STRAIGHT DRAIN, CAST BRASS, CHROME–PLATED FINISH, OPEN GRID PO PLUG

MCGUIRE LFBV170 SUPPLY – LEAD FREE, 127 MM (5") LENGTH, CONVERTIBLE QUARTER–TURN SUPPLY , CHROME–PLATED FINISH

MCGUIRE 8872C P–TRAP – HEAVY CAST BRASS, ADJUSTABLE P–TRAP, 292 MM (11–1/2") DISTANCE, WITH CLEANOUT PLUG

L–2: WALL–HUNG BASIN – STAINLESS STEEL – TWO HANDLE FAUCET (BARRIER–FREE)

ACORN MERIDIAN 3711–1–9–RLD–H38–SLE–VP BASIN – WALL–HUNG, D–SHAPED BASIN, GREY SLOPED FRONT ENCLOSURE

CHICAGO FAUCET 786–E2805–5XKABCP FAUCET – TWO–HANDLE, POLISHED CHROME FINISH, 3–HOLE 8" CENTERS, SWING GOOSNECK SPOUT, LEAD FREE ANSI/NSF 61 COMPLIANT, VANDAL PROOF CONSTRUCTION, ADA COMPLIANT

MCGUIRE PRODRAINWCSAN FIXTURE DRAIN – SANIGUARD TREATED OFFSET GRID STRAINER LESS OVERFLOW, OFFSET DRAIN, LAVATORY, HEAVY CAST BRASS, CHROME–PLATED FINISH

MCGUIRE LFCK170 SUPPLY – LEAD FREE, SWEAT TO COMPRESSION, INTEGRAL CHECK SUPPLY KIT W/5" SWEAT EXTENSION, CHROME–PLATED FINISH

MCGUIRE PW2125WC P–TRAP – MOLDED CLOSED CELL VINYL (ANTI–MICROBIAL) WRAPPED CAST BRASS, GLOSSY WHITE, WITH CLEANOUT

WATTS CA–411–WC–MS CARRIER – FLOOR MOUNTED CONCEALED ARM LAVATORY CARRIER, WHEELCHAIR ACCESS LAVATORY EXTENSION ARMS, VANDAL–RESISTANT TRIM, SINGLE, LEVELING SCREWS AND BASIN LOCKING DEVICE, UPPER TIE ROD, AND PLATED HARDWARE, REQUIRED MINIMUM SPACE IS 89 MM (3–1/2")

WC–1: WALL–HUNG TOILET – EXPOSED FLUSHVALVE – MANUAL (BARRIER–FREE)

AMERICAN STANDARD 3351101.020 TOILET – AFWALL® MILLENNIUM™ FLOWSE®, TOILET, WALL–HUNG WITH WALL OUTLET, TOILET OPERATES IN THE RANGE OF 4.2 TO 6.0 LPF (1.1 – 1.6 GPF), WHITE FINISH VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, ELONGATED BOWL, SPIDER PRESSURE ASSISTED, DIRECT–FED SIPHON JET FLUSH ACTION, 38 MM (1–1/2") TOP SPUD, FLUSH VALVE BY OTHERS, 254 X 305 MM (10" X 12") WATER SURFACE AREA, FULLY–GLAZED 54 MM (2–1/8") TRAPWAY, STATIC LOAD RATING OF 454 KG (1000 LB), THIS PRODUCT IS NOT RECOMMENDED FOR BARIATRIC USE, CONDENSATION CHANNEL, TOILET SEAT NOT INCLUDED, 356 MM (14") WIDE, 660 MM (26") FROM FINISHED WALL, COMPLIANCES: ASME A112.19.2 AND ANSI Z124.5 COMPLIANT, CSA B45.1 COMPLIANT.

CENTOCO 500STSCCFE–001 SEAT – FAST–N–LOCK, FOR ELONGATED BOWL, OPEN FRONT, HEAVY–DUTY, FOR COMMERCIAL APPLICATIONS, POLYPROPYLENE, TOILET SEAT, LESS SEAT COVER, PLASTIC COMMERCIAL CHECK HINGES, AND STAINLESS STEEL HINGE PIN, SPECIFIED IN WHITE FINISH

SLOAN SL–ROYAL 111–1.28 FLUSH VALVE – ROYAL® MANUAL EXPOSED WATER CLOSET FLUSHOMETER, HIGH EFFICIENCY 4.8 LPF (1.28 GPF), 38 MM (1–1/2") SPUD COUPLING FOR TOP SPUD TOILET, CONSTRUCTED FROM SEMI–RED BRASS, POLISHED CHROME FINISH, CHLORAMINE RESISTANT PERMEX® SYNTHETIC RUBBER DIAPHRAGM, METAL OSCILLATING HANDLE WITH TRIPLE SEAL HANDLE PACKING, FLUSH TUBE FOR 292 MM (11–1/2") ROUGH–IN, ADJUSTABLE TAILPIECE, 25 MM (1") I.P.S. SCREWDRIVER BAK–CHEK® ANGLE CONTROL STOP WITH FREE SPINNING VANDAL–RESISTANT STOP CAP, DUAL–FILTERED FIXED BYPASS, SWEAT SOLDER ADAPTER KIT WITH COVER TUBE, HIGH BACK PRESSURE VACUUM BREAKER, LINLET LOCATED RIGHT OF VALVE, 25 MM (1") SUPPLY PIPE, CAST WALL FLANGE WITH SET SCREW, NON–HOLD–OPEN, NO EXTERNAL VOLUME ADJUSTMENT, FIXED VOLUME ACCURACY IS CONTROLLED BY CID™ TECHNOLOGY, 103 – 552 KPA (15 – 80 PSI) OPERATING WATER PRESSURE, COMPLIANCES: REQUIRES LESS THAN 5 POUNDS OF FORCE TO ACTIVATE (PUSH BUTTON), CUPC COMPLIANT.

WATTS ISCA–101–L/R–M11 CARRIER – INDUSTRY STANDARD SINGLE HORIZONTAL ADJUSTABLE CLOSET CARRIER, TILING FRAME, PATENTED COMPRESSION SEAL FACEPLATE ASSEMBLY, EPOXY COATED CAST IRON, EPOXY COATED CAST IRON, WITH INCREMENTAL MEASUREMENTS EMBOSSED ONTO LEGS TO EASILY ADJUST HEIGHT OF CARRIER TO MOST COMMONLY USED FIXTURE REQUIREMENTS, EPOXY COATED CAST IRON, PLATED HARDWARE, MODIFIED BOWL GASKET, ADJUSTABLE ABS NIPPLE, INTEGRAL TEST CAP, 51 MM (2") NO HUB VENT CONNECTIONS, 102 MM (4") NO HUB WASTE, ADJUSTABLE FOR STANDARD AND WHEELCHAIR HEIGHT, CHROME CAP NUTS, CARRIER COMPLIES WITH REQUIREMENTS OF ASME A112.6.1M UP TO A 500 LB (227 KG) STATIC LOAD, REQUIRED MINIMUM SPACE IS 292 MM (11–1/2")

CHAMPION MI–HUB–TR–440 COUPLING – SHIELDED TRANSITION COUPLING, 102 MM (4") PIPE SIZE X 102 MM (4") PIPE SIZE, TYPE 300 STAINLESS STEEL CLAMP, TO CONNECT CAST IRON, PLASTIC OR STEEL PIPE TO CAST IRON, PLASTIC OR STEEL PIPE, TYPE 300 AISI STAINLESS STEEL EYELETS

WC–2: FLOOR–MOUNTED TOILET – EXPOSED FLUSHOMETER – MANUAL (BARRIER–FREE)

AMERICAN STANDARD 3451001.020 TOILET – MADERA™ FLOWSE®, TOILET, FLOOR MOUNTED WITH FLOOR OUTLET, TOILET OPERATES IN THE RANGE OF 4.2 TO 6.0 LPF (1.1 – 1.6 GPF), WHITE FINISH VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, ELONGATED BOWL, 381 MM (15") RIM HEIGHT, 254 MM (10") TO 305 MM (12") ROUGH–IN FROM WALL TO THE CENTER OF WASTE OUTLET, DIRECT–FED SIPHON JET FLUSH ACTION, 38 MM (1–1/2") TOP SPUD, FLUSH VALVE BY OTHERS, 254 X 305 MM (10" X 12") WATER SURFACE AREA, FULLY–GLAZED 54 MM (2–1/8") TRAPWAY, CONDENSATION CHANNEL, TOILET SEAT NOT INCLUDED, TWO (2) COLOUR–MATCHED BOLT CAPS WITH RETAINERS (481310–100), 356 MM (14") WIDE, 718 MM (28–1/4") FROM FINISHED WALL, COMPLIANCES: ASME A112.19.2 COMPLIANT, CSA B45.1 COMPLIANT.

CENTOCO 500STSCCFE–001 SEAT – FAST–N–LOCK, FOR ELONGATED BOWL, OPEN FRONT, HEAVY–DUTY, FOR COMMERCIAL APPLICATIONS, POLYPROPYLENE, TOILET SEAT, LESS SEAT COVER, PLASTIC COMMERCIAL CHECK HINGES, AND STAINLESS STEEL HINGE PIN, SPECIFIED IN WHITE FINISH

SLOAN SL–ROYAL 111–1.28 FLUSH VALVE – ROYAL® MANUAL EXPOSED WATER CLOSET FLUSHOMETER, HIGH EFFICIENCY 4.8 LPF (1.28 GPF), 38 MM (1–1/2") SPUD COUPLING FOR TOP SPUD TOILET, CONSTRUCTED FROM SEMI–RED BRASS, POLISHED CHROME FINISH, CHLORAMINE RESISTANT PERMEX® SYNTHETIC RUBBER DIAPHRAGM, METAL OSCILLATING HANDLE WITH TRIPLE SEAL HANDLE PACKING, FLUSH TUBE FOR 292 MM (11–1/2") ROUGH–IN, ADJUSTABLE TAILPIECE, 25 MM (1") I.P.S. SCREWDRIVER BAK–CHEK® ANGLE CONTROL STOP WITH FREE SPINNING VANDAL–RESISTANT STOP CAP, DUAL–FILTERED FIXED BYPASS, SWEAT SOLDER ADAPTER KIT WITH COVER TUBE, HIGH BACK PRESSURE VACUUM BREAKER, LINLET LOCATED RIGHT OF VALVE, 25 MM (1") SUPPLY PIPE, CAST WALL FLANGE WITH SET SCREW, NON–HOLD–OPEN, NO EXTERNAL VOLUME ADJUSTMENT, FIXED VOLUME ACCURACY IS CONTROLLED BY CID™ TECHNOLOGY, 103 – 552 KPA (15 – 80 PSI) OPERATING WATER PRESSURE, COMPLIANCES: REQUIRES LESS THAN 5 POUNDS OF FORCE TO ACTIVATE (PUSH BUTTON), CUPC COMPLIANT.

SH–1: TILE SHOWER – PRESSURE BALANCED MIXING VALVE – FIXED SHOWER HEAD

MOEN POSI–TEMP 8370HD VALVE WITH TB370 VANDAL PROOF TRIM, PRESSURE BALANCING, BRASS POSI–TEMP CARTRIDGE, CHROME FINISH TRIM.

MOEN #8290 SHOWER HEAD, CAST BRASS, VANDAL PROOF FIXED MOUNT, CHROME FINISH

KERDI–DRAIN FLOOR DRAIN, KD2 FLK PVC 2" DRAIN OUTLET. KD4 GRK E CLASSIC 4" GRATE, STAINLESS STEEL FINISH, TAMPER PROOF SCREWS. PROVIDE P–TRAP, SAME MATERIAL AS THE CONNECTION PIPE DRAIN.

SH–2: TILE SHOWER – PRESSURE BALANCED MIXING VALVE – HAND–HELD

MOEN POSI–TEMP 8370HD VALVE WITH TB370 VANDAL PROOF TRIM, PRESSURE BALANCING, BRASS POSI–TEMP CARTRIDGE, CHROME FINISH TRIM.

MOEN #52740EP17 HAND–HELD SHOWER, 30" SIDE BAR, 69" METAL HOSE, VANDAL RESISTANT, CHROME FINISH

KERDI–DRAIN FLOOR DRAIN, KD2 FLK PVC 2" DRAIN OUTLET. KD4 GRK E CLASSIC 4" GRATE, STAINLESS STEEL FINISH, TAMPER PROOF SCREWS. PROVIDE P–TRAP, SAME MATERIAL AS THE CONNECTION PIPE DRAIN.

S–1: COUNTERMOUNTED – 1 BOWL SINK – SINGLE HANDLE FAUCET (BARRIER FREE)

FRANKE COMMERCIAL LBS4010P–1–1 SINK – SINGLE COMPARTMENT SINK, SINGLE HOLE CENTERSET, COMMERCIAL SINKS, WITH OVERALL DIMENSION 562 MM (22–1/8") LONG, 479 MM (18–13/16") WIDE, 254 MM (10") HIGH, CONSTRUCTED FROM 18 GAUGE TYPE 304 STAINLESS STEEL, BOWL DIMENSIONS ARE 508 MM (20") LONG, 356 MM (14") WIDE, 254 MM (10") DEEP, POLISHED TO #4 SATIN FINISH, FACTORY INSTALLED EZ TOUCH™ FASTENERS, FACTORY APPLIED RIM SEAL, CENTER BACK WASTE LOCATION, 38 MM (1–1/2") (DN38) BRASS TAILPIECE, STANDPIPE WITH GUARD, 89 MM (3–1/2") CRUMB CUP STRAINER, UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE, CODES AND COMPLIANCES: ASME A112.19.3 COMPLIANT, CSA B45.4 COMPLIANT.

CHICAGO FAUCETS 430–ABCP FAUCET – COUNTER MOUNTED, MANUAL, SINGLE HANDLE, SINK FAUCET, POLISHED CHROME FINISH, SINGLE HOLE CENTERSET, LEAD FREE ANSI/NSF 61 COMPLIANT, ECAST™ BRASS CONSTRUCTION, CERAMIC CARTRIDGE WITH VOLUME CONTROL, 5.7 LPM (1.5 GPM) MAXIMUM FLOWRATE, PRESSURE COMPENSATING ECONO–FLO™ NON–AERATED LAMINAR SPRAY OUTLET, TUBULAR CAST BRASS SPOUT, 229 MM (9") SPOUT REACH, 146 MM (5–3/4") HIGH, 108 MM (4–1/4") LEVER HANDLE, 13 MM (1/2") NPSM SUPPLY INLET, INCLUDES HOT LIMIT SAFETY STOP.

CHICAGO FAUCETS 131–FMAB MIXING VALVE – POINT OF USE, THERMOSTATIC MIXING VALVE, BRASS BODY, 17.5 LPM (4.6 GPM) MAX, FLOWRATE, 1.5 LPM (0.35 GPM) MINIMUM FLOWRATE, ASSE 1070, CUPC, AND IAPMO LISTED, STANDARD 3/8" (9 MM) DIAMETER COMPRESSION INLET, STANDARD 10 MM (3/8") DIAMETER COMPRESSION OUTLET, BUILT–IN INTEGRAL CHECK STOPS, 100 °F – 180 °F (38 °C – 82 °C) HOT INLET TEMPERATURE, 80–120 °F, 30 PSI MINIMUM SUPPLY PRESSURE

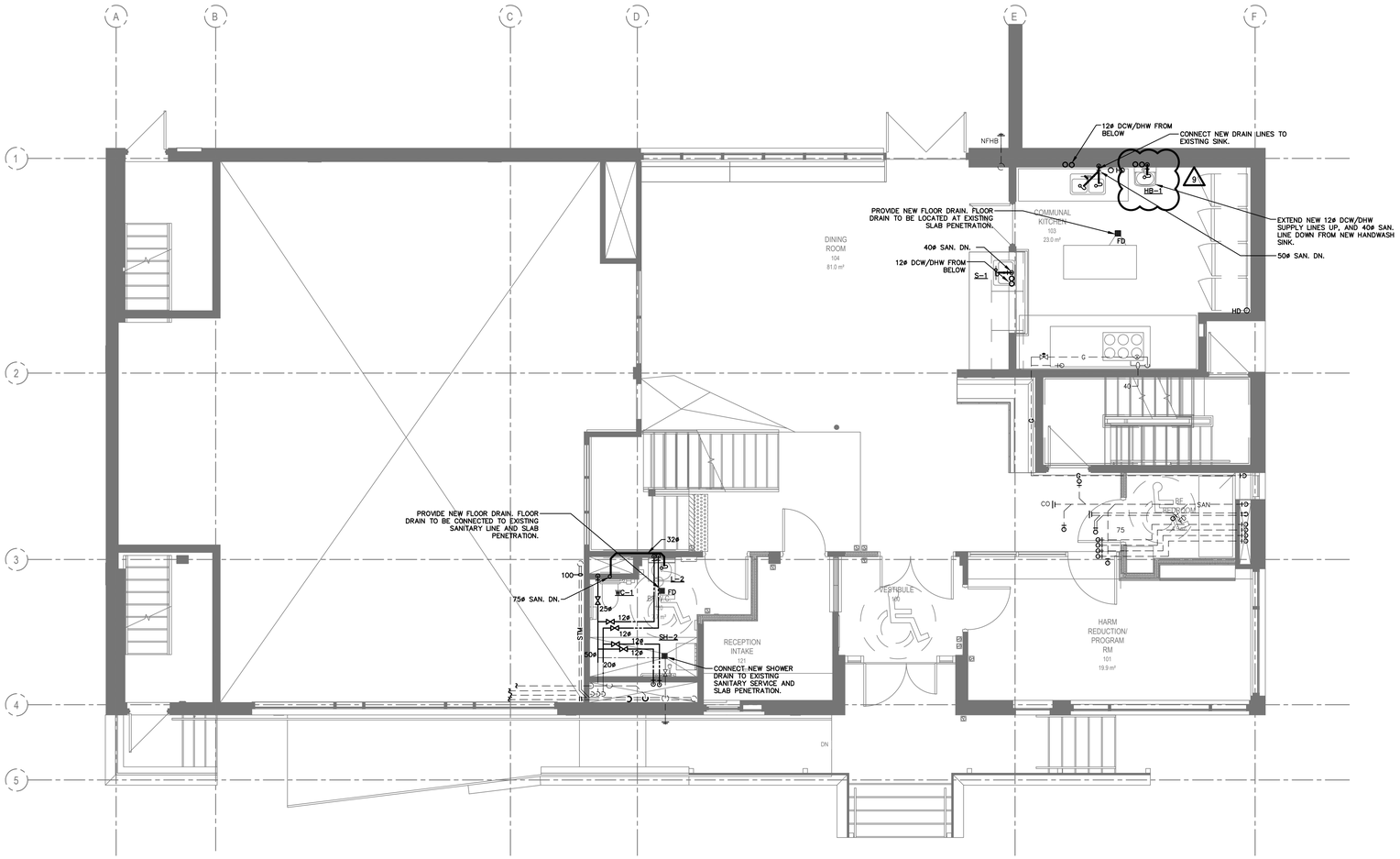
MCGUIRE LFCK170 SUPPLY – ICV DEFENDER, LEAD FREE, WITH CHROME–PLATED FINISH, INTEGRAL CHECK SUPPLY KIT W/5" SWEAT EXTENSION, FAUCET, SWEAT TO COMPRESSION CONNECTION, 1/2" SWEAT W/5" SWEAT EXTENSION X 3/8" O.D CONNECTION, DEEP BELL WALL FLANGE, WHEEL HANDLE, FULL TURN BRASS STEM, 305 MM (12") CHROME–PLATED RISERS, PURPLE EPDM PEROXIDE CURED WASHERS, CODES AND COMPLIANCES: NSF/ANSI 61 & 372, UPC

MCGUIRE 8912CB P–TRAP – HEAVY CAST BRASS, ADJUSTABLE P–TRAP, 292 MM (11–1/2") LENGTH, WITH CLEANOUT PLUG, STEEL BOX FLANGE, NEOPRENE GASKET, SEAMLESS TUBULAR BRASS BEND, SLIPNUTS

PLUMBING FIXTURES

HB–1 WALL–HUNG HAND WASHING SINK – STAINLESS STEEL – TWO HANDLE FAUCET

LAVATORY:FRANKE COMMERCIAL WHB2221–8–3 WHB2221–RS BASIN – WALL–HUNG LAVATORY, TYPE 304 18 GAUGE STAINLESS STEEL, POLISHED TO #4 SATIN FINISH, 203 MM (4") CENTERSET, SINGLE COMPARTMENT, WITH OVERFLOW, WITH FAUCET LEDGE, R

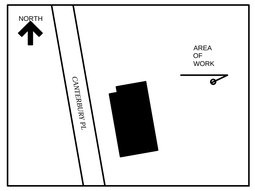


GENERAL NOTES:

- DO NOT SCALE DRAWINGS. LOCATIONS OF ITEMS ARE APPROXIMATE AND ARE INTENDED TO BE USED FOR COORDINATION. EXACT LOCATIONS ARE DEPENDANT UPON SITE CONDITIONS. REVIEW ANY REVISIONS WITH CONSULTANT.
- ALL SANITARY VENTING SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
- PROVIDE WATER HAMMER ARRESTORS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI–WH201 AND MANUFACTURER'S INSTRUCTIONS. WATER HAMMER ARRESTORS SHALL BE STAINLESS STEEL CONSTRUCTION WITH NESTING BELLOWS PRECHARGED WITH AIR – WADE 'SHOCKSTOP' OR EQUAL.
- PROVIDE TRAP SEAL PRIMERS FOR ALL TRAPS OF FLOOR DRAINS
- CONTRACTOR TO CONFIRM LOCATION AND CLEARANCE OF BELOW GRADE PIPING IN CEILING SPACE OF FLOOR BELOW. CONTRACTOR SHALL INFORM CONSULTANT OF POSSIBLE INTERFERENCE.
- REMOVAL AND REPLACEMENT OF THE CEILING TILES NOT BY DIVISION 22.

rjc Creative Thinking Practical Results

LGA architectura partners



KEY PLAN

NO.	DESCRIPTION	DATE	BY
9.	ISSUED FOR ADD-M-02	FEB 05, 24	HA
8.	ISSUED FOR TENDER	DEC 08, 23	HA
7.	ISSUED FOR PERMIT	NOV 27, 23	HA
6.	ISSUED FOR TENDER	NOV 10, 23	HA
5.	ISSUED FOR COORDINATION	NOV 03, 23	HA
4.	ISSUED FOR 90% REVIEW	OCT 13, 23	HA
3.	ISSUED FOR COORDINATION	SEP 29, 23	HA
2.	ISSUED FOR CLIENT REVIEW	SEP 07, 23	HA
1.	50% REVIEW	SEP 1 23	MY

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Seal

Project Name

25 CANTERBURY PL

NORTH YORK, ONTARIO

CANTERBURY RENOVATIONS

Sheet Title

GROUND FLOOR 1 P&D NEW PLAN

Drawn By	M.Y	Scale	1 : 50
Designed By	M.Y	Date	AUG. 2023
Project Number	2023-0233		

Sheet Number

M-101

Revision