A1 SIZE – 594mm x 841mm

ABBREVIATIONS CONTINUED

PLAS	PLASTER, PLASTIC
PLC	PROGRAMMABLE LOGIC CONTROLLER
PLYWD	PLYWOOD
PM	POWER METER
PNL	PANEL
PO	PROCESS OVERFLOW
PP	POWER POLE
P–P	PUSH–PULL
PPL	POLYPROPYLENE LINED
PR	PAIR
PRC	POINT OF REVERSE CURVE
PRN	PRINTER
PRCST	PRECAST
PREFAB	PREFABRICATION
PRES	PRESSURE
PRI	PRIMARY
PRM	PERMANENT REFERENCED MARKER
PROJ	PROJECTION
PROP	PROPERTY
PS	PRIMARY SLUDGE, POWER SUPPLY
PS	POLYCARBONATE SHEET, PAINT SYSTEM
PSP	POWER SUPPLY PANEL
PT	POINT OF TANGENCY
PT	POTENTIAL TRANSFORMER
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PV	PROCESS VENT, PLUG VALVE
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
PW	POTABLE WATER
QAA	AVERAGE FLOW
QMM	MAXIMUM 30 DAY FLOW
QPI	PEAK INSTANTANEOUS FLOW
QPP	PEAK PUMPING FLOW
QT	QUARRY TILE
R	REFRIDGERANT, RISER, REACTOR, RADIUS
RAD	RADIUS
RA	RETURN AIR
RAS	RETURN ACTIVATED SLUDGE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RCPT	RECEPTACLE
RCTR	REACTOR
RD	ROAD, ROOF DRAIN
RDCR	REDUCER
RDT	ROTARY DRUM THICKENER
RDW	REDWOOD
RECIR	RECIRCULATION
REF	REFER OR REFERENCE
REFR	REFRIGERATE
REINF	REINFORCED, REINFORCING, REINFORCE
REQD	REQUIRED
RES	RESERVOIR
RESIL	RESILIENT
RFS	ROLL–UP FIRE SHUTTER
RIO	REMOTE I/O
RM	ROOM
RO	ROUGH OPENING
ROL	RAISE–OFF–LOWER
RPM	REVOLUTIONS PER MINUTE
RR	RIPRAP
RH	RIGHT HAND
RH	RODHOLE
RHR	RIGHT HAND REVERSE
RL	RAIN LEADER
RLS	RUBBER LINED STEEL
RRUB	RADIAL RUBBER
RS	RAW SEWAGE, RIGID STEEL
RST	REINFORCING STEEL
RT	RIGHT
RTU	REMOTE TERMINAL UNIT
RTN	RETURN
RTO	REGENERATIVE THERMAL OXIDIZER
RUB	RUBBER
RUBC	RUBBER CUSHIONED FLOORING
RUBS	RUBBER ESD CONTROL FLOORING
RW	RECIRCULATED WATER
R/W	RIGHT OF WAY
S	I–BEAM, SKID PACKAGE
S	SLOPE, SOUTH, SWITCH
SA	SODA ASH, SUPPLY AIR, SAMPLER
SATC	SUSPENDED ACCUSTICAL TILE CEILING
SB	SEDIMENT BASIN
SC	SCUM, SHOWER CURTAIN, SOLID CORE WOOD
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
SCBR	SCRUBBER
SCC	SOLID CORE
SCFM	STANDARD CUBIC FEED PER MINUTE
SCHED	SCHEDULE
SCP	SECURITY ALARM PANEL
SCR	SILICON CONTROLLED RECTIFIER
SCS	SCREENINGS
SCU	SPEED CONTROL UNIT
SDP	SUB–DISTRIBUTION PANEL
SDWK	SIDEWALK
SE	SECONDARY EFFLUENT
SEA	SERVICE AIR
SEC	SECONDARY
SECT	SECTION
SED	SEDIMENTATION
SEW	SEWAGE
SF	SUPPLY FAN
SG	LAMINATED SAFETY GLASS, SAFETY
SGR	SWITCHGEAR
SGWB	SUSPENDED GYPSUM WALL BOARD
SH	SHEET
SHA	SURFACE HARDENING AGENT
SHD	SODIUM HYDROXIDE
SHS	SOLIDS HANDLING SYSTEM
SIM	SIMILAR
SK	SINK
SL	STOP LOGS
SLC	SLUDGE CAKE
SLG	SLUICE GATE
SLR	SEALER
SMLS	SEAMLESS EPOXY
SND	SAND
SNS	SAND SLURRY
SOI	SPRAY– ON INSULATION
SOLN	SOLUTION
SP	SPACE OR SPACES, SPANDREL PANEL, STORMPROOF
SPL	SPLITTER
SPEC, SPECS	SPECIFICATIONS
SPD	SUMP PUMP DISCHARGE
SPG	SPACING
SPLY	SUPPLY
SPMDD	STANDARD PROCTOR MAXIMUM DRY DENSITY
SQ	SQUARE
SR	SHORT RADIUS
SRS	STORM RELIEF SEWER
SS	START–STOP, SOFT STARTER
SST	STAINLESS STEEL
SSC	SUPERVISORY SET POINT CONTROL
ST	STORM DRAIN, STRAIGHT
STR	STRAINER
STA	STATUS, STATION
STD	STANDARD
STIF	STIFFENER
STIRR	STIRRUP
STL	STEEL
STRL	STRUCTUAL
STRUCT	STRUCTURE
SUB	DAF SUBNATANT
SUBFL	SUBFLOOR
SUSP	SUSPENDED
SV	SOLENOID VALVE
SVIN	SHEET VINYL
SVM	SECURITY VIDEO MONITOR
SVR	SECURITY VIDEO RECORDER
SW	SWITCH, SEAL WATER
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYMM	SYMMETRICAL
T	THERMOSTAT, TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TA	TRANSFER AIR
TAN	TANGENT
TB	TERMINAL BOARD
TBC	TRAVELLING BRIDGE COLLECTOR
TBG	TUBING
TBS	THICKENED BOTTOM SLUDGE
TC	TIME TO CLOSE
TC	TURBIDITY CURTAIN
TCAD	TIME CLOSE AFTER DE–ENERGIZATION
TCAE	TIME CLOSE AFTER ENERGIZATION
TCE	TREATED CENTRATE
TDH	TOTAL DYNAMIC HEAD
TDR	TIME DELAY RELAY
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERATURE
TF	TOP FACE
TFG	TEMPERED FLOAT GLASS
TFS	THICKENED FERMENTED SLUDGE
TG	TEMPERED
TH	TOP–HINGED
THD	THREAD
THK	THICKNESS
THRU	THROUGH
TJB	TERMINAL JUNCTION BOX
TK	TANK
TL	TEFLON LINED PIPE
T.O.	TIME TO OPEN, TOP OF
TO	THERMAL OXIDIZER
TOAE	TIME OPEN AFTER ENERGIZATION
TOC	TOP OF CONCRETE
TOC	TOP OF CURB
TOD	TIME ON DELAY, TOP OF DUCT
	TOTAL OXYGEN DEMAND
TOF	TOP OF FOOTING
TOG	TOP OF GROUT, TOP OF GRATE
T.O.P.	TOP OF PARAPET
TOS	TOP OF SLAB
TOW	TOP OF WALL
TP	TURNING POINT
TR	TRANSOM, TRUSS
TRANS	TRANSFORMER, TRANSITION
TRANSV	TRANSVERSE
TRD	TREAD
TS	THIN SLUDGE, TEMPORARY SEEDING, TUBE STEEL
TSHT	THRESHOLD
TSS	TOTAL SUSPENSION SOLIDS
TST	TOP OF STEEL
TTC	TELEPHONE TERMINAL CABINET
TTD	TOILET TISSUE DISPENSER
TU	TERMINAL UNIT
TU–X	TREATMENT UNIT NO. X
TURB	TURBIDITY
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TW	TEMPERED WATER
TWAS	THICKENED WASTE ACTIVATED SLUDGE
TWP	TRANSLUCENT WALL PANEL
TX	TRANSFORMER
TYP	TYPICAL
U	MISCELLANEOUS EQUIPMENT NOT IN LIST
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIT SUBSTATION
UVR	UNDER VOLTAGE RELAY, ULTRA–VIOLET REACTOR
V	VENT, VALVE, VESSEL, PRESSURE VESSEL
V	VOLTMETER, VOLTS
VAC	VACUUM
VB	VAPOR BARRIER (RETARDER)
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VHC	VOLATILE HYDROCARBONS
VIB	VIBRATION
VIF	VERIFY IN FIELD
VIN	VINYL
VINT, VT	VINYL TILE
VP	VERTICAL PIVOTED
VPS	VENEER PLASTER SYSTEM
VPC	POINT OF VERTICAL CURVATURE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
VS	VERTICAL SLIDE
VTA	VENT TO ATMOSPHERE
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WEIR, WATER, WEST
W/	WITH
WA	WASTE AIR
WAS	WASTE ACTIVATED SLUDGE
WC	WATER COLUMN
WEASTRIP	WEATHERSTRIP
WG	WIRE, WIRE GLASS
WGB	WASTE GAS BURNER
WH	WATTHOUR METER
WHD	WATTHOUR DEMAND METER
WP	WATERPROOF, WEATHERPROOF, WORKPOINT
WR	WASTE RECEPTACLE
WRB	WATER RESISTANT GWB
WS	WATER SURFACE, WATERSTOP, WELDED STEEL, WELDED WIRE FABRIC
WWPH	WET WEATHER PEAK HOUR
WWS	WASTEWATER SEWER
XFMR	TRANSFORMER

DESIGN DETAIL DESIGNATION

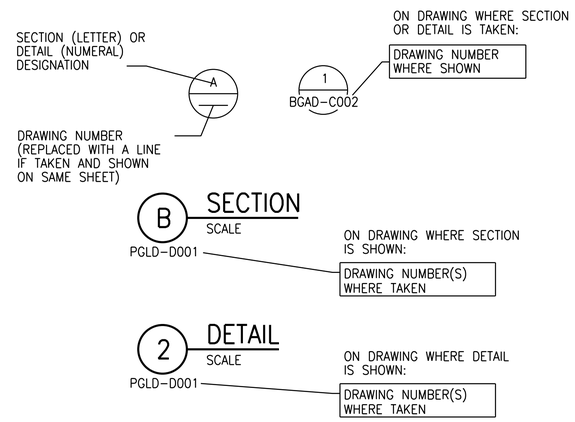
DESIGN DETAIL DESIGNATION (NUMERAL) → 1234–567

SHOWN ON DESIGN DETAIL DRAWING(S)

NOTES:

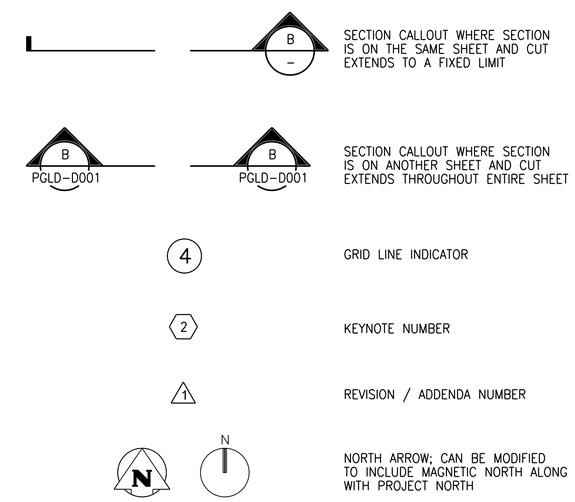
1. ALL DESIGN DETAILS ARE TYPICAL AND MUST BE USED IF DESIGN DETAIL DESIGNATION IS NOT SHOWN
2. THE TERM STANDARD DETAIL, OR A FORM OF IT, IS SYNOMONOUS WITH DESIGN DETAIL. THE DESIGN DETAILS REPRESENT THE CHARACTER AND NATURE OF THE WORK REQUIRED THROUGHOUT THE PROJECT. ALL ASSOCIATED WORK SHALL BE IN ACCORDANCE WITH THE DESIGN DETAILS SHOWN WHETHER THE DETAILS ARE SPECIFICALLY REFERENCED OR NOT.

SECTION / DETAIL DESIGNATIONS



DRAWING TITLE
SCALE

ON DRAWING WHERE ONLY A TITLE IS REQUIRED WITH NO REFERENCE (eg: ELEVATIONS)



SECTION CALLOUT WHERE SECTION IS ON THE SAME SHEET AND CUT EXTENDS TO A FIXED LIMIT

SECTION CALLOUT WHERE SECTION IS ON ANOTHER SHEET AND CUT EXTENDS THROUGHOUT ENTIRE SHEET

GRID LINE INDICATOR

KEYNOTE NUMBER

REVISION / ADDENDA NUMBER

NORTH ARROW; CAN BE MODIFIED TO INCLUDE MAGNETIC NORTH ALONG WITH PROJECT NORTH

NOTE:

1. CONTACT ENGINEER FOR ABBREVIATIONS USED BUT NOT SHOWN ON THIS DRAWING.

GENERAL NOTE:

1. THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.

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NO.	REVISIONS	DATE	DESIGN	CHECK
06	ISSUED FOR CONSTRUCTION – 976–2016	2017/04/05	G.G.	J.C.
05	ISSUED FOR CONSTR – B.O. 899–2015	04/2016	G.G.	J.C.
04	ISSUED FOR TENDER – B.O. 899–2015	01/2016	G.G.	J.C.
03	ISSUED FOR 90% PRELIMINARY REVIEW	11/2015	G.G.	J.C.
02	ISSUED FOR CONSTRUCTION	10/2015	G.G.	J.C.
01	ISSUED FOR 60% PRELIMINARY REVIEW	09/2015	G.G.	J.C.
00	ISSUED FOR TENDER	08/2015	G.G.	J.C.

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DESIGNED BY: G. GERMAN	CHECKED BY: S.B. WILLIAMSON
DRAWN BY: G .GERMAN	APPROVED BY: H.T. FREIHAMMER
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2017/04/05	DATE: 2017/04/05
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
WILLIAMSON
Member
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REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
GENERAL
ABBREVIATIONS (2) 03
AND SYMBOLS

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–DAAA–A007	002	06	A1

PLOT DATE: 2017\04\19

FILE NAME: 1–0102–DAAA–A007–002.dgn