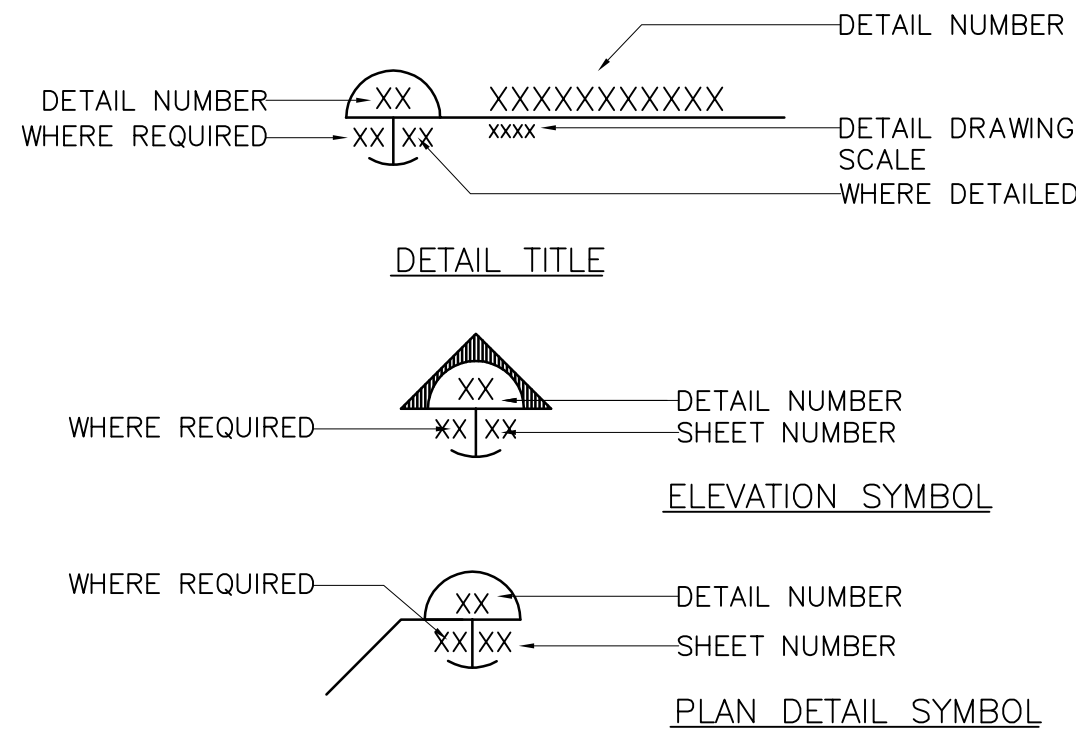
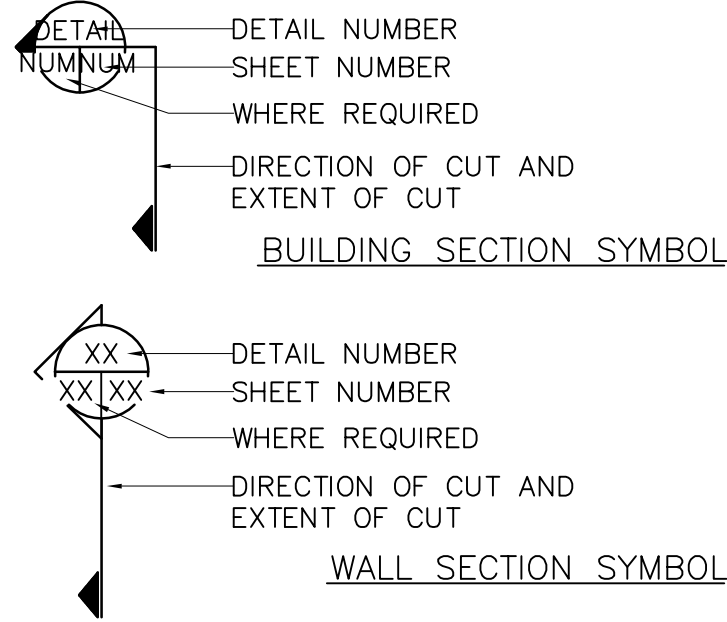


## REFERENCE SYMBOLS

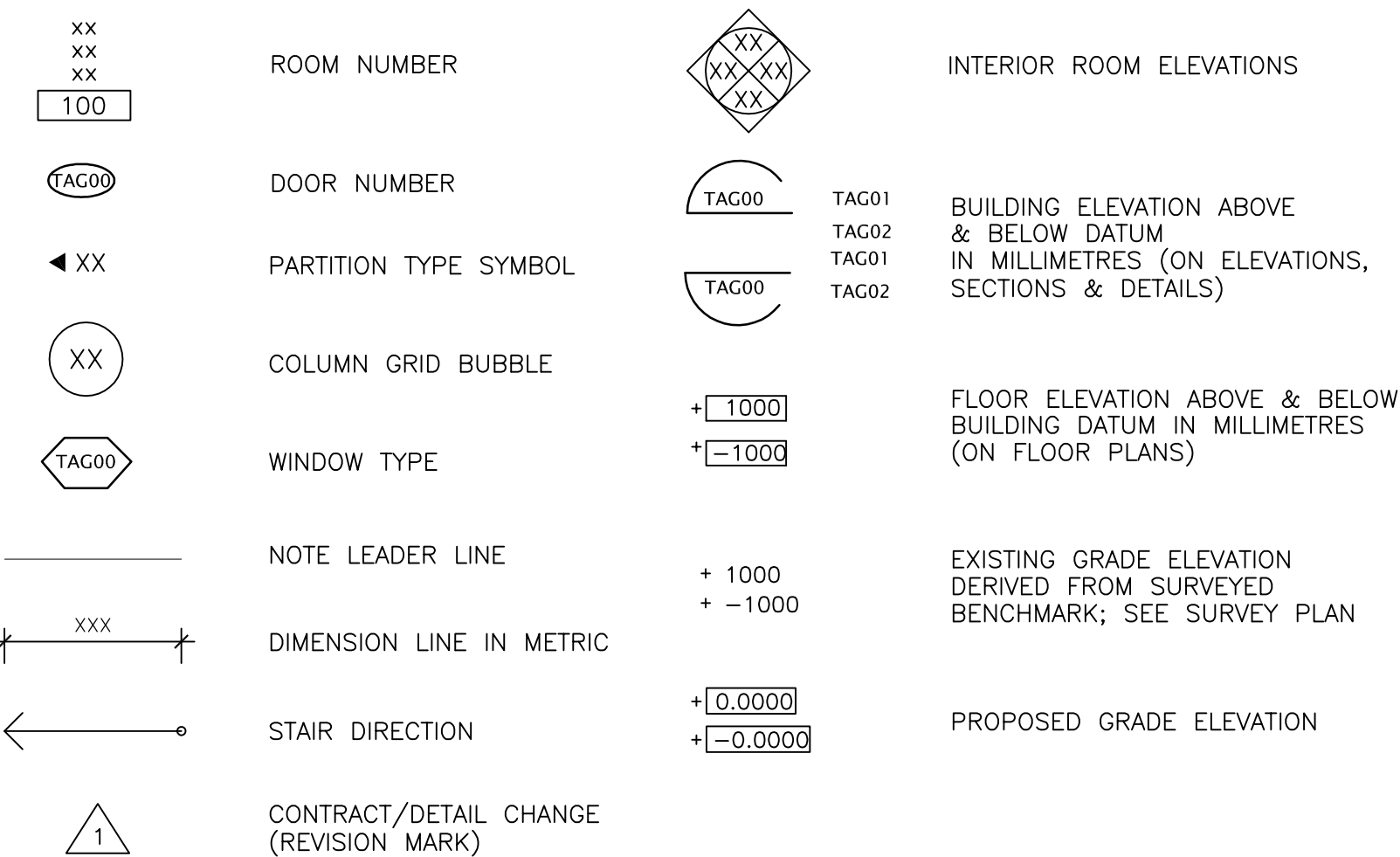


## ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FL	FLOOR	QTB	QUARRY TILE BASE
AC	ACOUSTIC	FD	FLOOR DRAIN	QTF	QUARRY TILE FLOOR
ACU	ACOUSTIC UNIT CEILING	FLUOR	FLOOR	QTR	QUARRY TILE ROOF
AC PAN	ACOUSTIC PANEL	FTG	FOOTING		
AC PLAS	ACOUSTIC PLASTER	FDN	FOUNDATION	R	RADIUS
ACT	ACOUSTIC TILE	FR	FRAME	RWL	RAINWATER LEADER
ACR CU LVR	ACRYLIC CUBE LOUVER			RP	RADIANT PANEL
ADH	ADHESIVE	GALV	GALVANIZED STEEL	RCPT	RECEPTACLE
ADJ	ADJUSTABLE	CC	GENERAL CONDITIONS	RRS	RECYCLED RUBBER SHEET
A/C	AIR CONDITIONER	GL	GLASS OR GLAZING	RRT	RECYCLED RUBBER TILE
AL	ALUMINIUM	GL BLK	GLASS BLOCK	REINF	REINFORCED/REINFORCING
AB	ANCHOR BOLT	GF	GROUND FLOOR	RC	REINFORCED CONCRETE
ANOD	ANODIZED	GFCI	GROUND FAULT CIRCUIT	ROP	REQUIRED
ARCH	ARCHITECTURE			REQD	REQUIRED
ARCH BLK	ARCHITECTURAL BLOCK	GBD	GYPSUM BOARD	REQT	REQUIRED
		GPC	GYPSUM-PLASTER CEILING	RB	RESILIENT BASE
B	BASE	GPW	GYPSUM-PLASTER WALL	RA	RETURN AIR
B/F	BARRIER FREE	GB	GRAB BAR	RM	ROOM
BEAST	BENTHIC ASSESSMENT OF			RSD	ROLLING STEEL DOOR
	SEDIMENT	HD	HAND DRYER	RD	ROOF DRAIN
BSMT	BASEMENT	HDW	HARDWARE	RO	ROUGH OPENING
B PL	BASE PLATE	HDWD	HARDWOOD	RSF	RUBBER SHEET FLOORING
BM	BEAM	HTR	HEATER	RFT	RUBBER FLOOR TILE
BRG	BEARING	HT	HEIGHT		
BLK	BLOCK	HC	HOLLOW CORE	SAN SEW	SANITARY SEWER
BH	BOREHOLE	HCWD	HOLLOW CORE WOOD DOOR	SNR	SANITARY NAPKIN RECEPTACLE
BOT	BOTTOM	HM	HOLLOW METAL	SCHED	SCHEDULE
BMP	BEST MANAGEMENT PRACTICE	HOR	HORIZONTAL	SORN	SCREEN
BL	BOTTOM LAYER	HOR EF	HORIZONTAL EACH FACE	SECT	SECTION
BR	BRICK	HB	HOSE BIB	SL	SLIDING
BUR	BUILT-UP ROOF	HYD	HYDRANT	SD	SMOKE DEVELOPED
BLKD	BULKHEAD	HP	HYDRO POLE	SPD	SOAP DISPENSER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES	HFA	HAMILTON PORT AUTHORITY	SCD	SOLID CORE
		HWT	HOT WATER TANK	SCWD	SOLID CORE WOOD DOOR
CAL	CALIPER			SC	SOUND TRANSMISSION CLASS
CANTIL	CANTILEVER	ICF	INSULATED CONCRETE FORMWORK	SPEC	SPECIFICATION
CO	CORNER GUARD	ID	INSIDE DIAMETER	S&U	STAIN AND URETHANE
CPT	CARPET	INS	INSULATION	S&V	STAIN AND VARNISH
CPTT	CARPET TILE	INTL	INTERLOCK	SS	STAINLESS STEEL
CB	CATCH BASIN	INT	INTERIOR	STD	STANDARD
CPL	CEMENT PLASTER	INTL	INTERIOR	STL	STEEL
CLG	CEILING	JT	JOINT	STL BM	STEEL BEAM
CL	CENTRE LINE			STL FL DK	STEEL FLOOR DECK
CC	CENTRE TO CENTRE	KPL	KICK PLATE	SDT	STATIC DISSIPATIVE TILE
CH	COAT HANGER	KN	KILONEWTION	STL PL	STEEL PLATE
CCN	CONTEMPLEATED CHANGE	KPa	KILOPASCALS	STN	STONE
	NOTICE			ST SEW	STORM SEWER
CDF	CONTROLLED DENSITY FILL	LDG	LANDING	STR	STRUCTURE OR STRUCTURAL
CEC	CANADIAN ELECTRICAL CODE	LAV	LAVATORY	SVT	SOLID VINYL TILE
CT	CERAMIC TILE	LINO	LINOLEUM		
CF	CHAIR FABRIC	LL	LIVE LOAD	TEL	TELEPHONE
CHAN	CHANNEL	LG	LONG	TMPD	TEMPERED
CHS	CANADIAN HYDROGRAPHIC SERVICE			TER	TERRAZZO
CLR	CLEAR	MH	MAINTENANCE HOLE	TER	TERRAZZO TILE
COL	COLUMN	MR	MARBLE	THKN	THICKNESS
COMPL	COMPLETE	MAS	MASONRY	THR	THRESHOLD
C/W	COMPLETE WITH	MAS FL	MASONRY FLASHING	TPD	TOILET PAPER DISPENSER
CONC	CONCRETE	MO	MASONRY OPENING	T	TOP
CONC BLK	CONCRETE BLOCK	MECH	MECHANICAL	T&B	TOP AND BOTTOM
CONC BRK	CONCRETE BRICK	MPa	MEGAPASCAL	TGP	TOPPING
CVT	CONDUCTIVE VINYL TILE	MWP	MEMBRANE WATERPROOFING	TRANSV	TRANSVERSE
CJ	CONSTRUCTION JOINT	MET	METAL	TYP	TURBIDITY CONTROL PLAN
CONT	CONTINUOUS	MCL	METAL CUBE LOUVER		
CONT J	CONTROL JOINT	MET DK	METAL DECK	UCUT	UNDERCUT
COMPL	COMPLETE	MET FL	METAL FLASHING	UGRD	UNDERGROUND
CM	CENTIMETRE	MET GRG	METAL GRATING	U/S	UNDERSIDE
CPM	CRITICAL PATH METHOD	MET GRID CLG	METAL GRID CEILING	UOS	UNLESS OTHERWISE SPECIFIED
CK	CORK	MLP	METAL LATH AND PLASTER	U	URETHANE
C/W	COMPLETE WITH	MET LIN CLG	METAL LINEAR CEILING	UR	URINAL
		MT	METAL THRESHOLD		
DP	DAMP-PROOFING	MET T PTN	METAL TOILET PARTITION	VERT	VERTICAL
DL	DEAD LOAD	MIN	MINIMUM	VERT B	VERTICAL BLINDS
D	DEEP	MIR	MIRROR	VERT EF	VERTICAL EACH FACE
DEG	DEGREE	MTD	MOUNTED	VCF	VINYL COATED FABRIC
DMNT	DEMOUNTABLE			VCT	VINYL COMPOSITION TILE
DET	DETAIL	NBC	NATIONAL BUILDING CODE	VSF	VINYL SHEET FLOORING
DIA	DIAMETER	NF	NEAR FACE	VT	VINYL TILE
DIM	DIMENSION	NFC	NATIONAL FIRE CODE	VWC	VINYL WALL COVERING
DR	DOOR	NRC	NOISE REDUCTION COEFFICIENT		
DWL	DOWEL	NRP	NON REMOVABLE PIN	W/-	WITH
DRP	DRAPERY	N/A	NOT APPLICABLE	WH	WALL CONNECTORS
DWG	DRAWING	NIC	NOT IN CONTRACT	WR	WASHROOM
DF	DRINKING FOUNTAIN	NTS	NOT TO SCALE	WC	WATER CLOSET
DD	DUTCH DOOR	No	NUMBER	WP	WATERPROOFING
				WT	WEIGHT
EA	EACH	OBC	ONTARIO BUILDING CODE	WHMIS	WORKPLACE HAZARDOUS
EE	EACH END	OC	ON CENTRE		MATERIALS INFORMATION SYSTEM
EF	EACH FACE	OWSJ	OPEN-WEB STEEL JOIST	WSIB	WORKPLACE SAFETY AND
EW	EACH WAY	OPNG	OPENING		INSURANCE BOARD
ELEC	ELECTRICAL	OPR	OPERATOR	WTP	WATER TREATMENT PLANT
EL	ELEVATION	OD	OUTSIDE DIAMETER	WD	WOOD
ELEV	ELEVATOR	OVHD	OVERHEAD	WV	WOOD VENEER
ENCL	ENCLOSURE				
EQU	EQUAL	PAH	POLYNUCLEAR AROMATIC HYDROCARBONS		
EXH	EXHAUST	PT	PAINT		
EXIST	EXISTING	PR	PAPER		
EM	EXPANDED METAL	PF	PANEL FABRIC		
EXPJ	EXPANSION JOINT	PTD	PAPER TOWEL DISPENSER		
EXP STRUCT	EXPOSED STRUCTURE	PARG	PARGING		
EXT	EXTERIOR	PTN	PARTITION		
ECF	ENGINEERED CONTAINMENT FACILITY	PED ACS FLG	PEDESTAL ACCESS FLOORING		
		PLAS	PLASTER		
FC	FUEL CONTRIBUTED	PLAM	PLASTIC LAMINATE		
FEAT W	FEATURE WALL	PL	PLATE		
FLD	FIELD	PLYWD	PLYWOOD		
FIN	FINISH	PVC	POLYVINYL CHOLIDE		
FIP	FEDERAL IDENTITY PROGRAM	PCT	PORCELAIN CERAMIC TILE		
FEXT	FIRE EXTINGUISHER	PCC	PRECAST CONCRETE		
FH	FIRE HOSE	PREFAB	PREFABRICATED		
FHC	FIRE HOSE CABINET	P	PREFINISHED		
FHR	FIRE HOSE RACK	PRFL	PROFILE		
FRR	FIRE RESISTANCE RATING				

IMAGE	TAG	DESCRIPTION (mm)	FIRE RATING ULC DESIGN No.	STC RATING	REMARKS
WALL & PARTITION TYPES					
	◀WT-1	38mm CORRUGATED METAL SIDING (22ga) 22mm GALVANIZED METAL Z-GIRTS @ 600 c/c HORIZ. AIR BARRIER 16mm EXTERIOR GRADE PLYWOOD 140mm WOOD STUD @ 400 c/c INFILL WITH R20 BATT INSULATION 6ML POLY VAPOUR BARRIER 16mm GYPSUM WALLBOARD, PAINT FINISH			
	◀WT-2	19mm BEVEL WOOD SIDING, STAINED 16mm EXTERIOR GRADE PLYWOOD 140mm WOOD STUD @ 400 c/c 16mm EXTERIOR GRADE PLYWOOD PAINT FINISH			
	◀WT-3	300mm POURED ARCHITECTURAL CONCRETE-REFER TO STRUCTURAL CLEAR APPLIED CONCRETE SEALER BOTH SIDES. CHAMFER ALL EDGES.			
	◀WT-4	200mm POURED ARCHITECTURAL CONCRETE WALL-REFER TO STRUCTURAL.CLEAR APPLIED CONCRETE SEALER BOTH SIDES. CHAMFER ALL EDGES.			
	◀WT-5	190mm CONCRETE BLOCK WALL CLEAR APPLIED CONCRETE SEALER BOTH SIDES			USE BULL-NOSED BLOCK AT CORNERS AND OPENINGS.
	◀PTN-1	16mm GYPSUM WALLBOARD 89mm WOOD STUD @ 400 c/c W/ ACOUSTIC BATT INSULATION 16mm GYPSUM WALLBOARD PAINT FINISH BOTH SIDES			USE MOISTURE RESISTANT GWB TO 1200 A.F.F. IN ROOMS 002,004 & 005.
	◀PTN-2	16mm TYPE 'X' GYPSUM WALLBOARD 89mm WOOD STUD @ 400 c/c W/ MINERAL WOOL INSULATION 16mm TYPE 'X' GYPSUM WALLBOARD, PAINT FINISH BOTH SIDES	ULC W301-1HR (AROUND MECH ROOM)		
	◀PTN-3	16mm GYPSUM WALLBOARD 140mm WOOD STUD @ 400 c/c W/ ACOUSTIC BATT INSULATION 16mm GYPSUM WALLBOARD PAINT FINISH BOTH SIDES			USE MOISTURE RESISTANT GWB TO 1200 A.F.F. BOTH SIDES

## GRAPHIC STANDARD SYMBOLS



## MATERIAL SYMBOLS

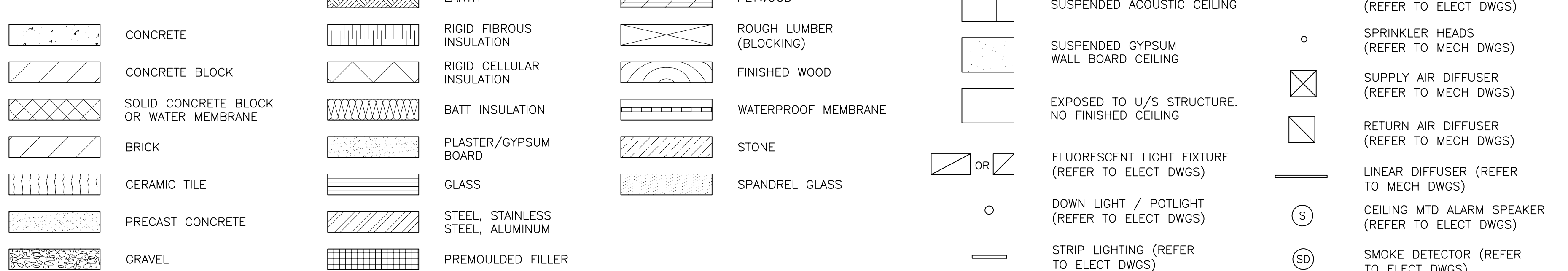


IMAGE	TAG	DESCRIPTION (mm)	FIRE RATING ULC DESIGN No.	STC RATING	REMARKS
	◀CL-1	HORIZONTAL MEMBRANE OR METAL DUCT ENCLOSURE 25.4mm LINER PANEL STEEL C-H STUD SPANNING HORIZONTALLY 610 c/c 3 LAYERS - TYPE 'X' GYPSUM WALLBOARD	OBMEC #89-1-118		USE IN JANITOR & MECH. ROOMS

MINIMUM SECURITY INSTITUTION, FREE ACCESS					
Firm Name: NORR ARCHITECTS ENGINEERS PLANNERS Certificate of Practice Number: 20 Gore Street Kingston, Ontario K7L 2L1 The Certificate of Practice Number of the holder is the holder's BCDN.  Name of Project: Fenbrook Institution - Firing Range & Training Building R.052544.001  Location: 2000 Beaver Creek Drive, Beaver Creek, Ontario			The architect noted above has exercised with respect to design, responsible control activities. The architect's seal number is the architect's BCDN.		
Item	National Building Code Data Matrix			NBC Reference	
1	Project Description:	<input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input type="checkbox"/> Change of Use		Part 3	Remarks
2	Major Occupancy(s)	A2		3.1.2.2.	
3	Basement Area (m <sup>2</sup> )	Existing 0 m <sup>2</sup> New - <sup>2</sup> Total - <sup>2</sup>		134m <sup>2</sup> Training Building and associated 1113m <sup>2</sup> Open Air Firing Range	
	Ground Floor (m <sup>2</sup> )	Existing 0 m <sup>2</sup> New 134m <sup>2</sup> Total 134m <sup>2</sup>			
	Second Floor (m <sup>2</sup> )	Existing 0 m <sup>2</sup> New - <sup>2</sup> Total - <sup>2</sup>			
4	Gross Area	Existing 0 m <sup>2</sup> New 134m <sup>2</sup> Total - <sup>2</sup>			
5	Number of Storeys	Above grade 1 Below grade -			
6	Number of Streets/Fire Fighter Access	1			
7	Building Classification	A2 Training Building		3.2.2.28	
8	Sprinkler System Proposed	<input type="checkbox"/> entire building <input type="checkbox"/> basement only <input type="checkbox"/> in lieu of roof rating <input checked="" type="checkbox"/> not required			
9	Standpipe required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.5.8.	
10	Fire Alarm required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.4.1. (2) i	
11	Water Service/Supply is Adequate	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.2.5.7.	
12	High Building	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.6.1.	
13	Permitted Construction	<input type="checkbox"/> Combustible <input type="checkbox"/> Non-combustible <input checked="" type="checkbox"/> Both		3.2.2.28	
	Actual Construction	<input type="checkbox"/> Combustible <input type="checkbox"/> Non-combustible <input checked="" type="checkbox"/> Both			
14	Mezzanine(s) Area m <sup>2</sup>	N/A			
15	Occupant load based on	<input type="checkbox"/> m <sup>2</sup> /person <input checked="" type="checkbox"/> design of building		3.1.17.1.	
	Basement:	Occupancy - Load - persons			
	1 <sup>st</sup> Floor:	Occupancy 22 Load - persons			
	2 <sup>nd</sup> Floor:	Occupancy - Load - persons			
	3 <sup>rd</sup> Floor:	Occupancy N/A Load N/A persons			
16	Barrier-free Design	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)		3.8.1.1.	
17	Hazardous Substances	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
18	Required Fire Resistance Rating (FRR)	Horizontal Assemblies FRR (Hours) Floors N/A Hours Roof N/A Hours Mezzanine N/A Hours FRR of Supporting Members Floors 0 Hours Roof 0 Hours Mezzanine N/A Hours	Listed Design No. or Description (SG-2) 3.2.2.20-83. 3.2.2.28		
19	Separation between Occupancies - 1 hr				
20	Spatial Separation - Construction of Exterior Walls	Wall Area of EBF (m <sup>2</sup> ) L.D. (m) L/H or H/L Permitted % of Openings Proposed % of Openings FRR (Hours) Listed Design or Description Comb. Constr. Comb. Constr. Non-Comb. Constr.			
	North		N/A N/A		
	South		N/A N/A		
	East		N/A N/A		
	West		N/A N/A		
Distance between exits- 3.4.2.3.		Travel distance to exit- 3.4.2.1.		Minimum number of exits- 3.4.2.1.	

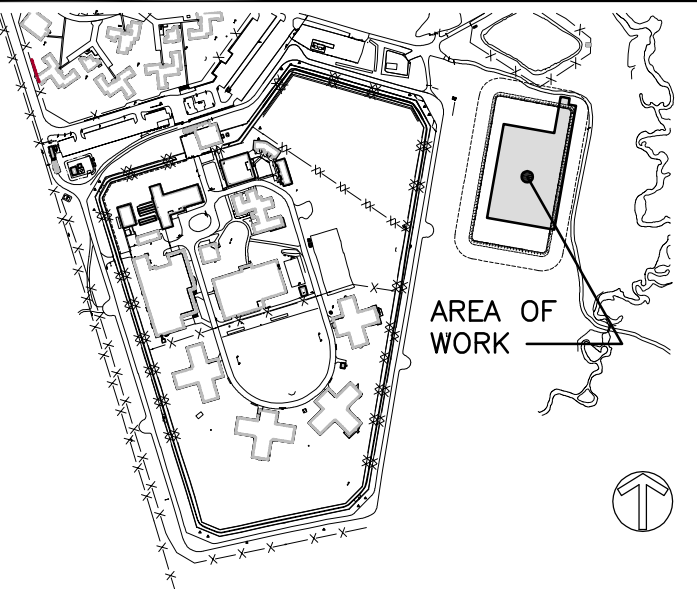
## NORR Limited

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## NORR

ARCHITECTS ENGINEERS PLANNERS



04	ISSUED FOR ADDENDUM # 1	13-01-04
03	ISSUED FOR BID	12-11-27
02	ISSUED FOR 99% REVIEW	12-11-16
01	ISSUED FOR 50% REVIEW	12-10-12
revision		date

Do not scale drawings.  
Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A	Detail No.
B	No. du détail
C	drawing no. - where detail required desin no. - où détail exigé
	drawing no. - where detailed desin no. - où détaillé

project title  
titre du projet  
**Gravenhurst** Ontario  
Correctional Service of Canada  
Fenbrook Institution  
2000 Beaver Creek Drive,  
**FENBROOK INSTITUTION**  
**FIRING RANGE & TRAINING BUILDING**

drawing title  
titre du dessin

## NBC MATRIX, SYMBOLS &amp; ABBREVIATIONS

drawn by  
dessiné par **M. ROBERTS**

designed by  
conc par **D.LOWE**

approved by  
approuvé par **D. ARISS**

bid  
offre **M. PISTARELLI** project manager  
administrateur de projets

project date  
date du projet **2013-01-04**

project no.  
no. du projet **R.052544.001**

drawing no.  
dessiné no. **A-001**