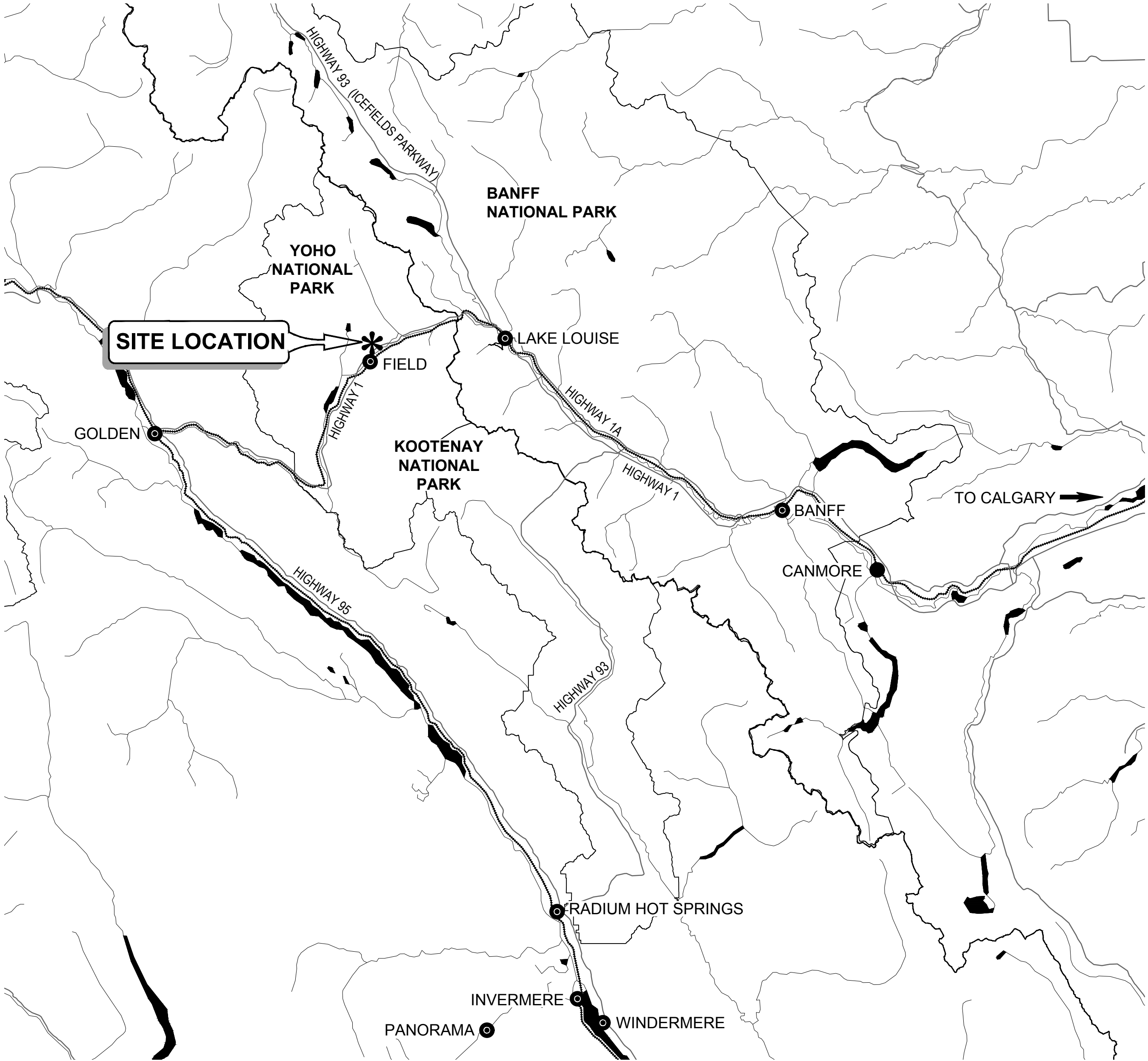
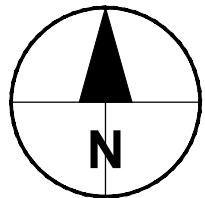


KICKING HORSE AND MONARCH
CAMPGROUND IMPROVEMENTS

DRAWING LIST

Sheet Number	Sheet Title
GENERAL	
G-100	COVER SHEET
G-101	OVERALL SITE PLAN
G-A001	GENERAL NOTES AND SCHEDULES
G-S001	STRUCTURAL GENERAL NOTES
G-S002	STRUCTURAL GENERAL NOTES AND TYPICAL DETAILS
G-S003	STRUCTURAL TYPICAL DETAILS
KICKING HORSE CAMPGROUND	
GENERAL	
KG-C100	OVERALL SITE PLAN
KG-E000	ELECTRICAL SITE PLAN AND SYMBOL LEGEND
KIOSK	
KK-A100	ENTRY KIOSK MAIN FLOOR PLAN AND ROOF PLAN
KK-A101	ENTRY KIOSK SITE PLAN
KK-A300	ENTRY KIOSK EXTERIOR ELEVATIONS
KK-A301	ENTRY KIOSK SECTIONS
KK-A400	ENTRY KIOSK DETAILS
KK-C100	KIOSK CIVIL SITE PLAN
KK-C400	KIOSK CIVIL DETAILS
KK-E100	KIOSK POWER, LIGHTING, COMMUNICATIONS AND SITE PLAN
KK-E400	PANEL SCHEDULES, MOTOR SCHEDULE, AND SINGLE LINE DIAGRAMS
KK-E401	LUMINAIRE SCHEDULE AND DETAILS
KK-M100	ENTRY KIOSK MECHANICAL FLOOR PLAN AND EQUIPMENT SCHEDULE
KK-S101	ENTRY KIOSK FOUNDATION PLAN & FLOOR FRAMING PLAN
KK-S102	ENTRY KIOSK ROOF FRAMING PLAN, NOTES & DETAILS
KK-S401	ENTRY KIOSK SECTION DETAILS AND NOTES
PLAYGROUND	
KP-L100	PLAYGROUND LANDSCAPE PLAN
KP-L101	PLAYGROUND GRADING AND LAYOUT AND PLAYGROUND AND EQUIPMENT DETAILS
KP-L400	PLAYGROUND DETAILS
WASHROOM/SHOWER BUILDING	
KW-A100	WASHROOM/ SHOWER FACILITY - MAIN FLOOR PLAN AND ROOF PLAN
KW-A300	WASHROOM/ SHOWER FACILITY - EXTERIOR ELEVATIONS
KW-A301	WASHROOM/ SHOWER FACILITY - SECTIONS
KW-A303	WASHROOM/ SHOWER FACILITY - INTERIOR ELEVATIONS
KW-A304	WASHROOM/ SHOWER FACILITY - INTERIOR ELEVATIONS
KW-A400	WASHROOM/ SHOWER FACILITY - DETAILS 1
KW-A401	WASHROOM/ SHOWER FACILITY - DETAILS 2
KW-C100	SHOWER BUILDING CIVIL SITE PLAN
KW-C400	SHOWER BUILDING CIVIL DETAILS
KW-E101	WASHROOM AND SHOWER POWER PLAN
KW-E102	WASHROOM AND SHOWER LIGHTING PLAN
KW-M110	SHOWER PLUMBING FLOOR PLAN
KW-M130	SHOWER VENTILATION FLOOR PLAN
KW-M400	MECHANICAL LEGEND AND SCHEDULES
KW-S101	WASHROOM / SHOWER BUILDING - FOUNDATION PLAN AND FLOOR PLAN
KW-S102	WASHROOM / SHOWER BUILDING - ROOF FRAMING PLAN, NOTES AND DETAILS
KW-S401	WASHROOM / SHOWER BUILDING - SECTIONS, NOTES AND DETAILS
MONARCH CAMPGROUND	
SANI DUMP	
MS-C101	SANITARY DUMP STATION - CIVIL IMPROVEMENTS



SOURCE: GEOGRATIS; CANADA LANDS SURVEY

LOCATION PLAN

N.T.S.

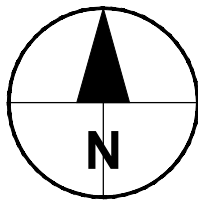
Issue Status: ISSUED FOR TENDER



OVERALL SITE PLAN

Scale 1:2000

- NOTE:
1. BENCHMARK FOR ELEVATION AND CO-ORDINATES DETAILS AS FOLLOWS
NAD 83 - UTM ZONE 11
GEOID MODEL: CGG 2013
SURVEY MONUMENT: GCM 282913
 2. (NIC) - NOT IN CONTRACT



Client



Parks Canada
Agency

L'Agence Parcs
Canada

Client

Consultant



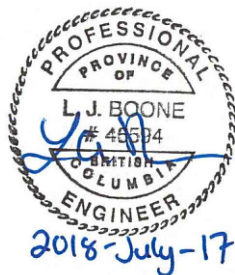
300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Consultant

Conseiller

NOTICE:
THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED BY AECOM CANADA LTD.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.



REVISIONS	DESCRIPTION	DATE
D	ISSUED FOR TENDER	18/JUL/17
C	ISSUED FOR 90% REVIEW	18/APR/09
B	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
A	ISSUED FOR PRE-DESIGN MEMO	18/FEB/16

A

C

A detail number
number du detail

A

B

C

B source drawing no.
de dessin no.

C detail on drawing no.
detail sur dessin no.

project title
**KICKING HORSE & MONARCH
CAMPGROUND IMPROVEMENTS**

YOHO NATIONAL PARK

drawing title
OVERALL SITE PLAN

designed by	conçu par
drawn by	dessiné par
approved by	approuvé par
PCA Project Manager Kurt Devlin	Administrateur de Projets TPSGC
scale 1:2000	echelle sheet feuille
project no. 60551150	project no. G-101
date DEC 2017	date

P:\60551150\900-CAD-CAD_GIS\910-CAD\05-MODELS\01\A\SHEETS - REVISION E (TENDER)\G-A001 - GENERAL NOTES & SCHEDULES.DWG

Project Management Initials: Designer: Checked: Approved:

BUILDING CODE ANALYSIS			
PROJECT DESCRIPTION : ENTRY KIOSK		APPLICABLE CODE	
■ NEW □ ADDITION □ ALTERATION □ CHANGE OF USE		REFERENCE NUMBER	
ASSEMBLY OCCUPANCY : GROUP D (SEASONALLY OCCUPIED)		TABLE 9.10.2.1	
BUILDING AREA = 15.75 m²			
FACING TWO STREETS			
NUMBER OF STOREYS ABOVE GRADE = ONE			
NUMBER OF STOREYS BELOW GRADE = NONE			
NOT SPRINKLERED			
HIGH BUILDING : □ YES ■ NO		3.2.6	
COMBUSTIBLE OR NONCOMBUSTIBLE CONSTRUCTION, LESS THAN 1250 m²		3.2.2.60	
MAXIMUM TRAVEL DISTANCE = 25 m MAX		TABLE 3.3.1.5.A	
PANIC HARDWARE REQUIRED = NO		3.3.2.7	
NUMBER OF EXITS REQUIRED = 1		TABLE 3.4.2.1.A	
MINIMUM EXIT WIDTHS : EXIT CORRIDORS AND PASSAGEWAYS = 1100 mm STAIRS = 900 mm DOORWAYS = 800 mm		TABLE 3.4.3.2.A	
POWER DOOR HARDWARE REQUIRED ON BARRIER-FREE DOORS = NO		3.8.1.1.	

BUILDING CODE ANALYSIS			
PROJECT DESCRIPTION : WASHROOM & SHOWER FACILITY		APPLICABLE CODE	
■ NEW □ ADDITION □ ALTERATION □ CHANGE OF USE		REFERENCE NUMBER	
ASSEMBLY OCCUPANCY : GROUP D (SEASONALLY OCCUPIED)		TABLE 9.10.2.1	
BUILDING AREA = 163.80 m²			
FACING TWO STREET			
NUMBER OF STOREYS ABOVE GRADE = ONE			
NUMBER OF STOREYS BELOW GRADE = NONE			
NOT SPRINKLERED			
HIGH BUILDING : □ YES ■ NO		3.2.6	
COMBUSTIBLE OR NONCOMBUSTIBLE CONSTRUCTION, LESS THAN 1250 m²		3.2.2.60	
MAXIMUM TRAVEL DISTANCE = 25 m MAX		TABLE 3.3.1.5.A	
PANIC HARDWARE REQUIRED = NO		3.3.2.7	
NUMBER OF EXITS REQUIRED = 1		TABLE 3.4.2.1.A	
MINIMUM EXIT WIDTHS : EXIT CORRIDORS AND PASSAGEWAYS = 1100 mm STAIRS = 900 mm DOORWAYS = 800 mm		TABLE 3.4.3.2.A	
POWER DOOR HARDWARE REQUIRED ON BARRIER FREE DOORS = NO		3.8.1.1.	

ABBREVIATIONS

AVB	- AIR VAPOUR BARRIER
AFF	- ABOVE FINISHED FLOOR
AL	- ALUMINUM
B/N	- BETWEEN
CL	- CENTERLINE
CMU	- CONCRETE MASONRY UNIT
COL	- COLUMN
CONC	- CONCRETE
EXIST	- EXISTING
FD	- FLOOR DRAIN
FLRING	- FLOORING
GA	- GAUGE
GB	- GYPSUM BOARD
HM	- HOLLOW METAL
IHM	- INSULATED HOLLOW METAL
MIC	- MICROWAVE
MTL	- METAL
NIC	- NOT IN CONTRACT
OC	- ON CENTER
OCV	- ON CENTER VERTICALLY
PA	- PAINT
PLAM	- PLASTIC LAMINATE
PLY	- PLYWOOD
PRE	- PREFINISHED
PSF	- PRESSED STEEL FRAME
PT	- PRESSURE TREATED
RB	- RUBBER BASE
REF	- REFRIGERATOR
REINF	- REINFORCED
S	- SEALED
SS	- STAINLESS STEEL
ST	- STEEL
TO	- TOP OF
TYP	- TYPICAL
US	- UNDERSIDE OF
WC	- WATER COOLER
WD	- WOOD
WR	- WASTE RECEPTACLE

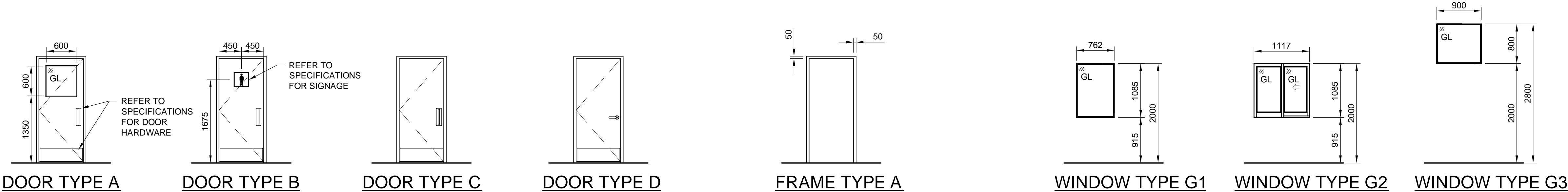
GENERAL NOTES

- UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- DRAWINGS ARE NOT TO BE SCALED FOR SIZE OR DIMENSIONS.
- PROVIDE BLOCKING, STRAPPING, NAILING STRIPS AND WOOD FRAMING IN WOOD FRAME WALLS AND FILL COURSES IN BLOCK WALLS AS INDICATED ON DRAWINGS AND / OR AS REQUIRED.
- PROVIDE SOLID BLOCKING IN WOOD FRAME WALLS AND FILL COURSES IN BLOCK WALLS FOR WALL-MOUNTED MILLWORK, MECHANICAL, AND ELECTRICAL EQUIPMENT AS INDICATED ON DRAWINGS AND/ OR AS REQUIRED.
- PAINT ALL INTERIOR SURFACES WALLS, ROOF MEMBERS, ROOF SHEATHING.
- INTERIOR FLOOR TO HAVE EPOXY FLOORING.
- INTENT OF INSULATION IS TO SEMI-INSULATE THE BUILDING, AND LIMIT SOUND TRANSMISSION.

WINDOW SHEDULE						
TYPE	QTY.	SIZE (L x H)	HEAD HEIGHT ABOVE FLOOR	DESCRIPTION	DETAILS	NOTES
G1	2	762 x 1085	2000	FIXED, DOUBLE GLAZING	6 / KK-A400	
G2	2	1117 x 1085	2000	SLIDING, DOUBLE GLAZING	6 / KK-A400	
G3	9	900x 800	2800	FIXED, DOUBLE GLAZING	6 / KK-A400	

PAINT SHEDULE		
TYPE	DESCRIPTION	FINISH
PA1	LATEX PAINT BENJAMIN MOORE CC-10 (ULTRA WHITE)	EGGSHELL FINISH
PA2	EPOXY PAINT BENJAMIN MOORE CC-10 (ULTRA WHITE)	SEMI-GLOSS FINISH

ROOM FINISH SCHEDULE													
NO.	NAME	FLOOR MATERIAL	FLOOR FINISH	BASE FINISH	WALL MATERIAL	NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH	CEILING MATERIAL	CEILING FINISH	CEILING HEIGHT (AFF)	NOTES
K100	KIOSK ROOM	CONCRETE	EPOXY FLOORING	EPOXY BASE	GYPSUM BOARD	PA1	PA1	PA1	PA1	GB	PA1	3105 mm	
W100	LOBBY	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA1	PA1	PA1	PA1	GB	PA1	3105 mm	
W101	CORRIDOR	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA1	PA1	PA1	PA1	GB	PA1	3105 mm	
W102	WOMEN'S WASHROOM	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W103	JANITOR'S ROOM	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	2 LAYERS TYPE X GB REQUIRED FOR CEILING
W104	UTILITY ROOM	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	2 LAYERS TYPE X GB REQUIRED FOR CEILING
W105	MEN'S WASHROOM	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W106	FAMILY WASHROOM	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W107	SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W108	SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W109	SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W110	FAMILY SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W111	FAMILY SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W112	SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W113	SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
W114	SHOWER	CONCRETE	EPOXY FLOORING	EPOXY BASE	CMU	PA2	PA2	PA2	PA2	GB	PA1	3105 mm	
P100	MEN'S WASHROOM	EXISTING CONC.	EPOXY FLOORING	EPOXY BASE	EXIST PLYWOOD	PA2	PA2	PA2	PA2	GB	PA1	EXIST	
P101	WOMEN'S WASHROOM	EXISTING CONC.	EPOXY FLOORING	EPOXY BASE	EXIST PLYWOOD	PA2	PA2	PA2	PA2	GB	PA1	EXIST	



WALL CONSTRUCTION ASSEMBLIES

W4	EXTERIOR WALL FIBER-CEMENT HORIZONTAL LAP SIDING BUILDING WRAP 19 PLYWOOD SHEATHING RSI - 3.5 BATT INSULATION 38 x 140 WOOD STUDS @ 600 O.C. MEMBRANE AVB 12.5 GYPSUM BOARD	W4	EXTERIOR WALL STONE VENEER MORTAR SETTING BED AND SCRATCH COAT METAL LATH DRAINAGE LAYER EXISTING CONSTRUCTION
W2	EXTERIOR WALL FULL-BED STONE VENEER TO 550 A.F.F. 40 AIR SPACE BUILDING WRAP 19 PLYWOOD SHEATHING RSI - 3.5 BATT INSULATION 38 x 140 WOOD STUDS @ 600 O.C. MEMBRANE AVB 12.5 GYPSUM BOARD	W5	EXTERIOR WALL FULL-BED STONE VENEER TO 550 A.F.F. 40 AIR SPACE 100 RIGID INSULATION SELF-ADHERED MEMBRANE AVB 190 CMU
W3	EXTERIOR WALL FIBER-CEMENT HORIZONTAL LAP SIDING 38 Z-BAR GIRTS @ 600 O.C.V. 100 RIGID INSULATION SELF-ADHERED MEMBRANE AVB 190 CMU	P1	INTERIOR WALL 190 CMU

FLOOR CONSTRUCTION

F1	SLIP-RESISTANT POURED EPOXY FLOORING 150 REINFORCED CONCRETE SLAB-ON-GRADE c/w EDGE THICKENING MEMBRANE AVB 75 RIGID INSULATION 300 COMPACTED GRANULAR FILL
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ROOF CONSTRUCTION

R1	SHEET METAL ROOFING UNDERLAYMENT / EAVE PROTECTION 19 PLYWOOD SHEATHING c/w H-CLIPS WOOD TRUSSES @ 600 O.C. RSI - 8.67 BATT INSULATION SELF-ADHERED MEMBRANE AVB 12.5 SAG RESISTANT GYPSUM BOARD
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DOOR, FRAME & HARDWARE SCHEDULE

NO.	DOORS						FRAMES			HARDWARE GROUP	NOTES
	SIZE	TYPE	MATL.	FINISH	INSUL.	LABEL	SIZE & MATL.	FINISH	TYPE		
D1	900 x 2150 x 45	A	IHM	PA3	YES	-	IPSF	PA3	A	1	
D2	950 x 2150 x 45	A	IHM	PA3	YES	-	IPSF	PA3	A	1	ACCESSIBLE DOOR
D3	900 x 2150 x 45	B	HM	PA3	NO	-	PSF	PA3	A	2	
D4	1000 x 2150 x 45	C	IHM	PA3	YES	-	IPSF	PA3	A	3	
D5	1000 x 2150 x 45	D	HM	PA3	NO	-	PSF	PA3	A	4	45 MINUTE FIRE-RATING
D6	900 x 2150 x 45	B	HM	PA3	NO	-	PSF	PA3	A	2	
D7	900 x 2150 x 45	B	HM	PA3	NO	-	PSF	PA3	A	7	
D8	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D9	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D10	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D11	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D12	950 x 2150 x 45	A	IHM	PA3	YES	-	IPSF	PA3	A	1	ACCESSIBLE DOOR
D13	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D14	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D15	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D16	900 x 2150 x 45	C	HM	PA3	NO	-	PSF	PA3	A	5	
D17	MATCH EXISTING	B	IHM	PA3	YES	-	IPSF	PA3	A	6	
D18	MATCH EXISTING	B	IHM	PA3	YES	-	IPSF	PA3	A	6	

Client

Parks Canada Agency

L'Agence Parcs Canada

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Calgary, Alberta T2C 5P2
Canada

Client

Consultant

E	ISSUED FOR TENDER	18/JUNE/08
D	ISSUED FOR 90% CLIENT REVIEW	18/APR/09
C	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
B	ISSUED FOR FINAL DESIGN MEMO	18/FEB/15
A	ISSUED FOR PREDESIGN MEMO	18/FEB/01
REVISIONS	DESCRIPTION	DATE

A detail number
number du detail

B source drawing no.
de dessin no.

C detail on drawing no.
detail sur dessin no.

A

B

C

project title
KICKING HORSE & MONARCH CAMPGROUND
YOHO NATIONAL PARK

titre du projet

drawing title
GENERAL NOTES & SCHEDULES

titre du dessin

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

PCA Project Manager
Kurt Devlin

Administrateur de Projets TPSOC

scale
échelle

sheet
feuille

project no.
60551150

project no.
G-A001

date
FEB 2018

date

Parks Canada-Yoho Kiosk_Floor Plan& Elevations.DWG

Approved:

Checked:

Designer:

Project Management Initials:

\\CAGG\5F5001\PROD\PROJECTS\60551150\900-900-CAD\20-SHEETS\5\G-S001-GEN NOTES.DWG

GENERAL NOTES

1. READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS AND ALL OTHER PERTINENT CONTRACT DOCUMENTS. ENSURE THAT RELEVANT STATUTORY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING SITE WORKS.
2. ALL DIMENSIONS ARE IN METRIC UNITS UNLESS NOTED. THE CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE CONSTRUCTION AND REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
3. THE DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BRITISH COLUMBIA BUILDING CODE, USER'S GUIDE TO NBC2010, STRUCTURAL COMMENTARIES (PART 4) AND REFERENCED STANDARDS THEREIN. IF CONFLICTS ARISE BETWEEN DOCUMENTS, THE MORE STRINGENT SHALL APPLY UNLESS AGREED OTHERWISE.
4. REFER TO ALL OTHER RELEVANT DRAWINGS (E.G., ARCHITECTURAL, MECHANICAL AND ELECTRICAL) DRAWINGS FOR LOCATIONS AND DIMENSIONS OF EQUIPMENT BASE, PITS, DEPRESSIONS, OPENINGS, SLEEVES AND OTHER BUILDING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
5. CONTRACTOR TO CONFIRM WITH EQUIPMENT SUPPLIERS DIMENSIONS AND ALL OTHER CRITICAL DETAILS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES AND OBTAIN APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
6. DO NOT RELY ON ACCURACY OF ANY AS-BUILT RECORDS PROVIDED. SURVEY AND VERIFY ACTUAL DIMENSIONS AND LAYOUT.
7. NOTIFY THE STRUCTURAL ENGINEER OF RECORD TWO (2) BUSINESS DAYS IN ADVANCE FOR SITE REVIEW OF STRUCTURAL WORK.
8. DRAWINGS SHOW COMPLETED STRUCTURES ONLY. PROVIDE TEMPORARY BRACING FOR CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS.
9. CONSTRUCTION METHODS REQUIRING TEMPORARY SHORING, OR BRACING, SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER, REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA, TO PERFORM AND TAKE RESPONSIBILITY FOR ANY SHORING OR OTHER DESIGNS REQUIRED TO COMPLETE THE CONSTRUCTION.
10. VERIFY LOCATION OF UNDERGROUND SERVICES AND BE RESPONSIBLE FOR DISRUPTIONS.
11. IF NO DATES GIVEN FOR CODES AND STANDARDS REFERENCED, USE LATEST EDITION.
12. SUBMIT THE FOLLOWING SHOP DRAWINGS, SEALED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA, PRIOR TO FABRICATION:

- A) STEEL REINFORCING FOR REINFORCED CONCRETE AND MASONRY

B) STRUCTURAL STEEL FRAMING AND MISCELLANEOUS STEEL

C) ENGINEERED TIMBER: OPEN WEB TRUSSES, GLULAM, LVL AND PARALAM

D) CONCRETE MIX AND MORTAR DESIGN
- IMPROPERLY PREPARED SHOP DRAWINGS ARE SUBJECT TO REJECTION AND, ON THAT BASIS, ARE TO BE WITHDRAWN AND RESUBMITTED.
- CONTRACTOR'S QUALITY / INSPECTION PROCEDURES

- CONCRETE REPAIR PROCEDURES

- HOT / COLD WEATHER CONCRETING PROCEDURE

16. REPORT TO THE CONSULTANT ALL WORKS THAT DO NOT COMPLY WITH THE PROJECT REQUIREMENTS AND SUBMIT REMEDIAL WORKS PROPOSAL FOR COMMENT / AGREEMENT. DEFECTIVE WORK AND SUBSTANDARD MATERIALS SHALL BE RECTIFIED SATISFACTORILY OR REMOVED FROM SITE.

FOUNDATION

1. ALL FOUNDATION CONSTRUCTION TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN ENGINEERING MEMORANDUM - "KICKING HORSE & MONARCH CAMPGROUND IMPROVEMENTS - YOHO NATIONAL PARK - GEOTECHNICAL SITE INVESTIGATION" PREPARED BY AECOM CANADA LTD. DATED FEBRUARY 15, 2018.
2. REFER TO THE GEOTECHNICAL REPORT FOR DETAILED INFORMATION ON GEOTECHNICAL CONDITIONS, FOUNDATION RECOMMENDATIONS, AND FOR ALL EARTHWORK INCLUDING EXCAVATION, BACKFILL AND SUBGRADE PREPARATION.
3. ASSUMED FACTORED FOOTING BEARING RESISTANCE:

KIOSK (THICKENED PERIMETER SLAB-ON-GRADE)

62.5 kPa AT ULS

SHOWER BUILDING (STRIP / SPREAD FOOTINGS)

200 kPa AT ULS
4. PRIOR TO CONSTRUCTING FOOTINGS, GEOTECHNICAL CONSULTANT TO REVIEW AND APPROVE IN WRITING ALL BEARING SURFACES.
5. CONSTRUCT ALL FOOTINGS ON STRATA CAPABLE TO PROVIDE THE BEARING RESISTANCE NOTED, BUT NOT ABOVE THE ELEVATIONS INDICATED ON DRAWINGS.
6. IF THE BEARING RESISTANCE NOTED ABOVE IS NOT OBTAINED AT THE UNDERSIDE OF FOOTING ELEVATION INDICATED ON DRAWINGS, EXCAVATE UNTIL COMPETENT SOIL IS REACHED. PROVIDE LEAN CONCRETE FILL (OR THE SAME CONCRETE AS SPECIFIED FOR THE FOOTING) TO RAISE BEARING ELEVATION TO UNDERSIDE OF FOOTING. GEOTECHNICAL CONSULTANT TO CONFIRM.
7. PROVIDE 150mm THICK MUD SLAB UNDER FOOTING, AS NOTED IN THE GEOTECHNICAL REPORT AFTER ACCEPTANCE OF BEARING SURFACE.

DESIGN LOADS (UNO ON PLANS)

1. DEAD LOADS:

2. LIVE LOADS:

3. IMPORTANCE CATEGORY

4. SNOW LOADS:

SEE PLANS FOR DEAD LOADS AND SUPERIMPOSED DEAD LOAD.
SEE PLANS FOR LIVE LOAD
NORMAL
Ss = 4.2 kPa
Sr = 0.2 kPa
Is = 1.0 (ULS)
I_s = 0.9 (SLS)
PROVIDE BY ENV. CANADA FOR THE SPECIFIC LOCATION: LAT: 51°25'29" N, LONG: 116°25'59" W
MODIFY FOR EXPOSURE AND DRIFT AS PER USER'S GUIDE NBCC 2010 - STRUCTURAL COMMENTARY G
q(1/50) = 0.34 kPa
q(1/10) = 0.26 kPa
I_w = 1.0 (ULS)
I_w = 0.75 (SLS)
REFER TO USER'S GUID TO 2010 NBCC STRUCTURAL COMMENTARY I
Ce, Cg BASED ON OPEN TERRAIN
C_{gi} = 2.0
C_p BASED ON APPROPRIATE FIGURE IN USERS GUIDE C
p_i BASED ON CATEGORY 2, PROVIDE BY ENV. CANADA FOR THE SPECIFIC LOCATION: LAT: 51°25'29" N, LONG: 116°25'59" W
WIND PRESSURES ON ROOF AND WALL ELEMENTS (I.E., DECK, OWSJ, AND TRUSS) AND THEIR CONNECTIONS ARE TO BE DESIGNED TO PRESSURES CORRESPONDING TO THE RESPECTIVE ZONES AS PER STRUCTURAL COMMENTARIES.

6. SEISMIC LOADS:

(MAIN BUILDING FRAME)

SITE CLASS C
Sa(0.2) = 0.278
Sa(0.5) = 0.184
Sa(1.0) = 0.099
Sa(2.0) = 0.046
PGA = 0.127
F_a = 1.0
F_v = 1.0
I_e = 1.0 (ULS)
LATERAL LOAD SYSTEM:
KIOSK: WOOD SHEAR WALLS
R_d = 2.0
R_o = 1.7
SHOWER BUILDING:
MASONRY SHEAR WALLS
R_d = 1.5
R_o = 1.5
7. WALL CLADDING LOADS:

STONE CLADDING = 2.4 kPa
8. GEOTECHNICAL NOTES:

REPORT BY AECOM CANADA LTD. DATED JANUARY 15, 2018.

EXCAVATION & BACKFILL

1. THE CONTRACTOR SHALL SUBMIT AND OBTAIN AN EXCAVATION PERMIT PRIOR TO ANY EXCAVATION / FOUNDATION WORKS.
2. ENSURE THAT THE INTEGRITY OF EXISTING UNDERGROUND SERVICES / STRUCTURES ARE MAINTAINED AT ALL TIMES DURING THE WORK. REPAIR / RECTIFY IMMEDIATELY ANY DAMAGE / DISRUPTION TO THE CLIENT'S SATISFACTION AND AT THE CONTRACTOR'S OWN COST.
3. EXCAVATE TO LINES AND LEVELS NECESSARY TO PROPERLY COMPLETE THE WORK. MINIMUM SIDE SLOPES OF TEMPORARY EXCAVATIONS SHALL NOT EXCEED 1:5H TO 1V, OR AS RECOMMENDED IN THE GEOTECHNICAL REPORT. CONTROL EXCAVATION TO ENSURE BOTTOM OF EXCAVATION DOES NOT SOFTEN DUE TO EXCESS MOISTURE, AS PER GEOTECHNICAL REPORT.
4. EXCAVATE BELOW GRADE SUPPORTED SLABS TO REMOVE TOPSOIL, FILL AND ORGANIC CLAY. REMOVE UNSUITABLE MATERIAL AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND REPLACE WITH WELL GRADED APPROVED MATERIAL IN 150 mm LIFTS COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY AS PER GEOTECHNICAL REPORT.
5. ALL BACKFILL SHALL BE COMPACTED USING MECHANICAL EQUIPMENT.
6. USE ONLY SUITABLE MATERIALS FOR BACKFILL, AS PER GEOTECHNICAL REPORT.
7. WHERE BACKFILL IS REQUIRED ON BOTH SIDES OF A WALL OR STRUCTURE, PLACE SIMULTANEOUSLY ON EACH SIDE. DIFFERENCE IN LEVELS AT THE TWO SIDES SHALL NOT EXCEED 500 mm.
8. DO NOT PLACE BACKFILL ON FROZEN GROUND OR WATER LOGGED GROUND, NOR USE FROZEN MATERIAL.
9. MAINTAIN TO WITHIN +/- 2% OPTIMUM MOISTURE CONTENT TO PERMIT COMPACTION TO ATTAIN SPECIFIED DENSITIES. PROTECT BACKFILLED GRADE DURING AND AFTER COMPLETION OF BACKFILL OPERATION FROM SOFTENING DUE TO EXCESS MOISTURE.
10. REFER TO GEOTECHNICAL REPORT FOR RECOMMENDED GRADATION OF CRUSHED GRAVEL.
11. PIT RUN GRAVEL TO BE CLEAN, NATURAL SAND AND GRAVEL, FREE FROM SILT, LOAM, FRIABLE OR VEGETABLE MATTER, MAXIMUM GRAIN SIZE 75mm AND LESS THAN 8% PASSING 200 SIEVE. SEE GEOTECHNICAL REPORT.
12. OTHER FILL TO BE PERVIOUS SOIL FREE FROM ORGANIC MATERIAL, ROCKS LARGER THAN 75 mm AND DEBRIS. MATERIALS TO BE APPROVED BEFORE USE. COMPACTION DENSITIES AND FILL MATERIALS. SEE GEOTECHNICAL REPORT.
13. FENCE OFF OR MAKE INACCESSIBLE ALL EXCAVATIONS IF LEFT UNATTENDED.
14. WHERE EXCAVATION IS IN AN EXISTING PAVEMENT OR CONCRETE SLAB, SAWCUT NEATLY AROUND EDGES OF EXCAVATION AREA. DO NOT OVERCUT. PAINT EXPOSED REBARS WITH GALVICON.

CONCRETE REINFORCEMENT

1. DEFORMED BARS CONFORMING TO CSA-G30.18 GRADE 400 AS PER CSA-G30.18
 2. WELDABLE REINFORCING BARS SHALL CONFORM TO CSA-G30.18 GRADE 400W. WELDING OF REINFORCING SHALL CONFORM TO CSA-W186. THE WELDER CERTIFICATION MUST BE VALID AND IN FORCE DURING THE CONSTRUCTION PERIOD. PORTION OF REBAR THAT HAS BEEN COLD BENT SHALL NOT BE WELDED. WELDING SHALL NOT BE DONE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
 3. REINFORCING WORK SHALL BE IN ACCORDANCE WITH CSA-A23.1 AND CSA-A23.3.
 4. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI DETAILING MANUAL OR THE REINFORCING STEEL INSTITUTE OF CANADA DETAILING MANUAL.
 5. REINFORCING IN SLABS AND BEAMS TO BE CONTINUOUS UNLESS NOTED. LAP TOP BARS AT MIDSPAN, BOTTOM BARS AT SUPPORTS. MINIMUM LAP FOR 10M BARS TO BE 450 mm. MINIMUM LAPS FOR OTHER BARS TO BE CLASS B TENSION SPLICES. WHERE REINFORCEMENT LAPS ARE REQUIRED IN ADJACENT BARS, STAGGER LAPS MINIMUM 1200 mm UNLESS NOTED OTHERWISE.
- CLASS B TENSION SPLICE LENGTH TABLE

BAR LOCATION									
BAR SIZE	VERTICAL DOWELS, BOTTOM REINFORCING					TOP REINFORCING SEE NOTE 1			
	CONCRETE STRENGTH					CONCRETE STRENGTH			
25 MPa	30 MPa	32 MPa	35 MPa	35 MPa	25 MPa	30 MPa	32 MPa	35 MPa	35 MPa
10	440	400	390	370	570	520	500	480	460
16	620	570	560	530	820	740	710	680	650
20	760	690	670	640	1000	900	870	830	800
25	1220	1120	1080	1030	1580	1430	1410	1340	1290
30	1490	1320	1280	1220	1980	1720	1670	1590	1540

NOTES TO TABLE:
1. HORIZONTAL REINFORCING PLACED IN SUCH A WAY THAT MORE THAN 300mm OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
2. REFERENCE, CSA A23.3-14 CLAUSE 12.2.3 DEVELOPMENT LENGTH, L_d OF DEFORMED WIRE IN TENSION.
6. CHAIR SLAB REINFORCING NOT FURTHER THAN 1000 mm IN EITHER DIRECTION. SUPPLY SUPPORT BARS, CHAIRS, AND CARRIERS AS NECESSARY.

7. DOWELS AND ANCHOR BOLTS SHALL BE SECURED IN POSITION BY MEANS OF TEMPLATES BEFORE CONCRETE IS POURED. WHERE DOWELS OR ANCHOR BOLTS ARE TO BE EXPOSED FOR LONGER THAN 1 MONTH AFTER INSTALLATION, PROVIDE WRAPPING AND COVERING AS PROTECTION.

8. 90° HOOKS AND 180° HOOKS WHERE SHOWN SHALL BE DETAILED AS STANDARD HOOKS UNLESS NOTED OTHERWISE.

9. REPLACE BARS THAT HAVE DEVELOPED SPLITS OR CRACKS.

10. MINIMUM REINFORCING AROUND OPENINGS LARGER THAN 300 mm: 1-15M EACH SIDE AND EACH FACE OF OPENING EXTENDED 600 mm PAST CORNERS.

11. PROVIDE DOWELS FROM CONCRETE BEAMS OR WALLS TO MATCH REINFORCING OF MASONRY BLOCK WALL OR ADJOINING CONCRETE.

12. UNLESS OTHERWISE NOTED, ALL DOWELS TO PROJECT A MINIMUM OF 40 BAR DIAMETERS INTO SLAB OR WALL FROM FACE OF SUPPORT.

13. WELDED WIRE MESH WHERE ALLOWED SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.3 AND SHALL BE FLAT SHEETS ONLY.

14. REINFORCING SHOWN ON STRUCTURAL DETAILS ARE SCHEMATIC ONLY AND MAY NOT SHOW THE ACTUAL QUANTITY OF REBAR.

15. WHERE STATED ON THE FOUNDATION PLANS, ANCHOR RODS AND REBAR IN FOUNDATIONS ARE TO BE ELECTRICALLY BONDED. ANCHOR RODS TO BE 'DOUBLE TIED' OR WELDED TO THE REBAR CAGE OF THE FOUNDATION.

CONCRETE ACCESSORIES

1. APPLY APPROVED NON-METALLIC HARDENER OR SEALER TO AREAS SHOWN ON ARCHITECTURAL FLOOR FINISH SCHEDULE. HARDENER AND SEALER SHALL BE FROM SAME MANUFACTURER (TARGET, GRACE, STERNSON, MASTER BUILDERS OR DIAMEG). HARDENER AGGREGATE SHALL BE APPLIED IN TWO SHAKES TO 4.0 kg/sq. m. TO MANUFACTURER'S RECOMMENDATIONS.
2. GROUT: NON-SHRINK, NON-METALLIC GROUT WITH MINIMUM STRENGTH AT THREE DAYS OF 20 MPa AND MINIMUM STRENGTH AT 28 DAYS OF 50 MPa. EPOXY GROUT SHALL BE USED FOR VIBRATING EQUIPMENT BASE WHERE SPECIFIED. APPLY GROUT STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. EXPANSION ANCHORS: OF DIAMETER & PENETRATION SHOWN. CAPACITIES ARE BASED ON HILTI KWIK BOLTS. SUBMIT ANCHOR LOAD RESISTANCE DATA FROM INDEPENDENT TESTING FIRM FOR REVIEW BY ENGINEER MIN TWO (2) WEEKS PRIOR TO INTENDED USE.
4. EPOXY ANCHORS: OF DIAMETER & PENETRATION SHOWN. SHEAR AND TENSION CAPACITIES ARE BASED ON HILTI HY200 + HIT-HAS SUPER HARDWARE. SUBMIT ANCHOR LOAD RESISTANCE DATA FROM INDEPENDENT TESTING FIRM FOR REVIEW BY ENGINEER MIN 2 WEEKS PRIOR TO INTENDED USE.
5. BONDING AGENTS: THREE COMPONENT, WATER BASED, EPOXY RESIN / CEMENT BONDING AGENT
6. ASPHALTIC FIBRE BOARD: ASPHALT SATURATED FIBRE BOARD CONFIRMING TO ASTM D1751.
7. VAPOUR BARRIER: 10 MIL OR 0.25 mm CLEAR OR BLACK, POLYETHYLENE FILM, UNREINFORCED, WITH SELF ADHESIVE POLYETHYLENE TAPE FOR JOINTS, SUITABLE FOR BELOW GRADE USE. LAP JOINTS & REPAIRS MIN 300 mm.
8. STEEL BAR SUPPORT/CHAIRS: GALVANIZED/STAINLESS STEEL OR PLASTIC. DO NOT USE ROCK, BRICKS OR CONCRETE FRAGMENTS.
9. INSULATION: RIGID STYROFOAM HI-80 BY DOW OR APPROVED EQUIVALENT.
10. CURING COMPOUNDS SHALL NOT BE USED OVER CONCRETE SURFACE DESIGNATED TO RECEIVE PROTECTION COATING OR PAINTED FINISH.

CONCRETE

1. PROVIDE CONCRETE AND PERFORM WORK IN ACCORDANCE WITH CSA-A23.1. THE CONTRACTOR SHALL HAVE A COPY OF THIS STANDARD ON SITE AT ALL TIMES.
2. THE CONCRETE SUPPLIER SHALL BE A MEMBER OF THE BC READY MIXED CONCRETE ASSOCIATION.
3. PROPORTION NORMAL DENSITY CONCRETE (2400 KG/M3) IN ACCORDANCE WITH CSA-A23.1 TO MEET THE FOLLOWING REQUIREMENTS:

LOCATION	CSA EXPOSURE CLASS	MINIMUM COMPRESSIVE STRENGTH (MPa)	MAX AGGREGATE (mm) SIZE
FOOTING, FOUNDATION WALLS	S-2	32 AT 56 DAYS	20
SLAB-ON-GRADE	S-2	32 AT 56 DAYS	20
EXTERIOR SIDEWALKS	S-2 / C-2	32 AT 56 DAYS	20

4. FLY ASH CONTENT IN TERMS OF TOTAL CEMENTITIOUS MATERIAL SHALL NOT EXCEED THE FOLLOWING LIMITS:

FOR FLOOR SLABS, BEAMS AND TOPPINGS	15%
MASS POURS (FOOTING, PILE CAPS)	30%
OTHERS	25%
5. USE OF ANY ADMIXTURES IN THE CONCRETE SHALL BE APPROVED, IN WRITING, BY THE CONSULTANT PRIOR TO USE. ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE NOT PERMITTED.

6. TARGET SLUMP OF FRESH CONCRETE SHALL BE APPROPRIATE TO THE METHOD OF PLACING CONCRETE AND TO THE ELEMENT BEING CONCRETED.

7. SUBMIT CONCRETE MIX PROPORTIONS TO THE ENGINEER FOR REVIEW IN ACCORDANCE WITH TABLE 5 IN CSA-A23.1, ALTERNATIVE 1. AT THE REQUEST OF THE ENGINEER, SUBMIT A LETTER SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA, STATING THAT ALL CONCRETE SUPPLIED MEETS THE PROJECT SPECIFICATIONS AND REQUIREMENTS OF CSA-A23.1.

8. OBTAIN ENGINEER'S APPROVAL BEFORE PLACING CONCRETE. PROVIDE TWO (2) BUSINESS DAYS NOTICE PRIOR TO PLACING OF CONCRETE.

9. CONCRETE TO BE BATCHED AND COMPLETELY DISCHARGED IN A PERIOD NOT EXCEEDING ONE HUNDRED TWENTY (120) MINUTES FROM THE TIME OF INITIAL ADDITION OF WATER TO THE CEMENT AND AGGREGATE.

10. CONCRETE COVER TO REINFORCING STEEL SHALL CONFORM TO TABLE BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

TABLE

EXPOSURE CLASS	CLEAR COVER (mm)		
	C _c , S _c		
FORMED SURFACE CAST AGAINST EARTH	75		
FORMED SURFACE EXPOSED TO EARTH OR WEATHER			
SLABS EXPOSED TO DEICING CHEMICALS - TOP COVER	60		
COLUMNS (TO TIES & STIRRUPS) WALLS	40 40		
FORMED SURFACE NOT EXPOSED TO WEATHER AND NOT IN CONTACT WITH EARTH			
SLAB - TOP COVER	60		
RATIO OF COVER TO NOMINAL BAR DIAMETER	1.5		
RATIO OF COVER TO NOMINAL MAXIMUM AGGREGATE SIZE	1.5		
SEE TABLE 17 CSA A23.1 FOR ADDITIONAL COVER NOTES.			

11. ENSURE REINFORCEMENT AND INSERTS ARE NOT DISTURBED DURING CONCRETE PLACEMENT. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND OR IN STANDING WATER.

12. ACCURATELY SET SLEEVES, ANCHOR BOLTS, OTHER EMBEDS, AND OPENINGS AS SHOWN ON THE DRAWINGS. OPENINGS GREATER THAN 200 mm x 200 mm NOT SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE ENGINEER.

13. CHECK LOCATIONS AND SIZES OF SLEEVES AND OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND OTHER RELEVANT DRAWINGS. SLEEVES SHALL NOT BE PLACED HORIZONTALLY ALONG OR VERTICALLY THROUGH BEAMS UNLESS AUTHORIZED BY CONSULTANT.

14. CONSTRUCTION JOINTS: KEYED AND DOWELED AS DIRECTED BY ENGINEER UNLESS DETAILED ON THE DRAWINGS. ALL REINFORCING SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS. SUBMIT PROPOSED DETAIL AND LOCATION OF ALL CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS TO THE ENGINEER FOR REVIEW.

15. HORIZONTAL CONSTRUCTION JOINTS IN FOUNDATION WALLS ARE NOT PERMITTED UNLESS AUTHORIZED OR SPECIFIED BY THE CONSULTANTS.

16. USE 25 mm x 25 mm FORMED CHAMFERS ON EXPOSED CORNERS OF BEAMS, COLUMNS AND WALLS U.N.O.

17. MAINTAIN ACCURATE RECORDS OF POURED CONCRETE ITEMS TO INDICATE DATE, LOCATION OF POUR, AIR TEMPERATURE, AND TEST SAMPLES TAKEN. SUBMIT RECORDS TO ENGINEER UPON REQUEST.

18. A MINIMUM OF THREE (3) DAYS SHALL ELAPSE BETWEEN ADJACENT WALL OR SLAB POURS.

19. PROTECT CONCRETE FROM PREMATURE DRYING. CURE CONCRETE IN ACCORDANCE WITH CSA-A23.1. PROVIDE ADDITIONAL CURING MEASURES OR PROTECTION DURING HOT OR COLD WEATHER IN ACCORDANCE WITH CSA-A23.1.


20. DO NOT PLACE CONCRETE WHEN WEATHER IS NOT SUITABLE (E.G. DURING RAIN, SNOW) UNLESS ADEQUATE PRECAUTIONARY MEASURES ARE IN PLACE.

21. CUTBACK ALL TIES EMBEDDED IN CONCRETE TO A MINIMUM OF 16 mm, OR 38 mm FOR CLASS C EXPOSURES.

22. FILL TIE HOLES IN ACCORDANCE WITH CSA-A23.1.

23. REPAIR HONEYCOMBED AND DEFECTIVE CONCRETE AT CONTRACTOR'S OWN COST. PROPOSED METHOD STATEMENT AND MATERIAL FOR REPAIR SHALL BE SUBMITTED TO THE CONSULTANT FOR APPROVAL.


Client

Parks Canada Agency

L'Agence Parcs Canada

Client

Consultant



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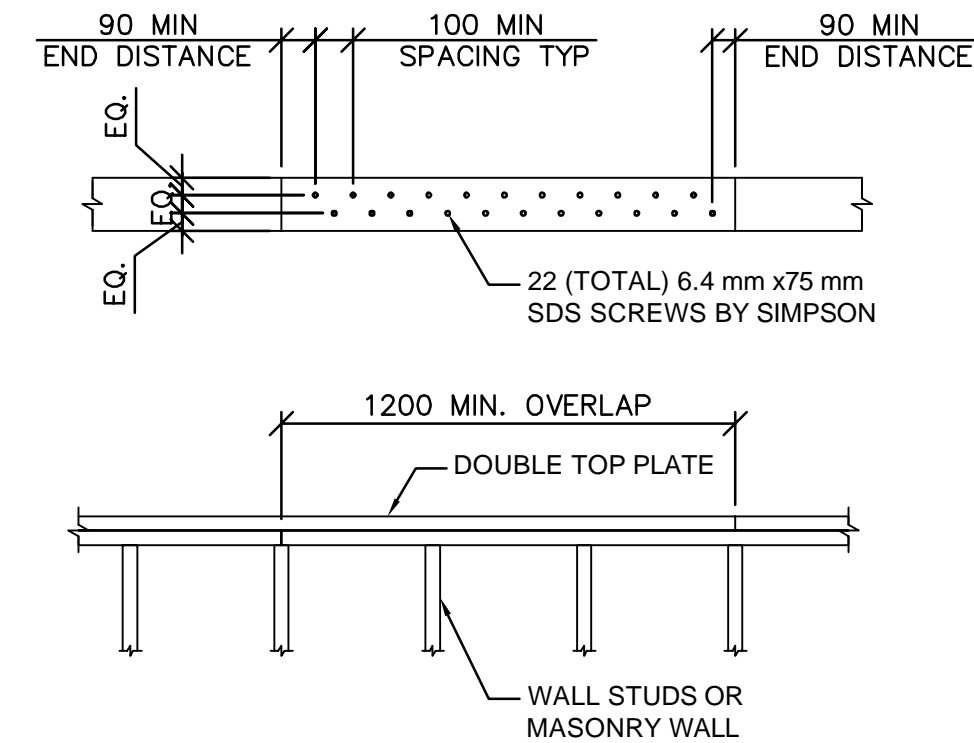
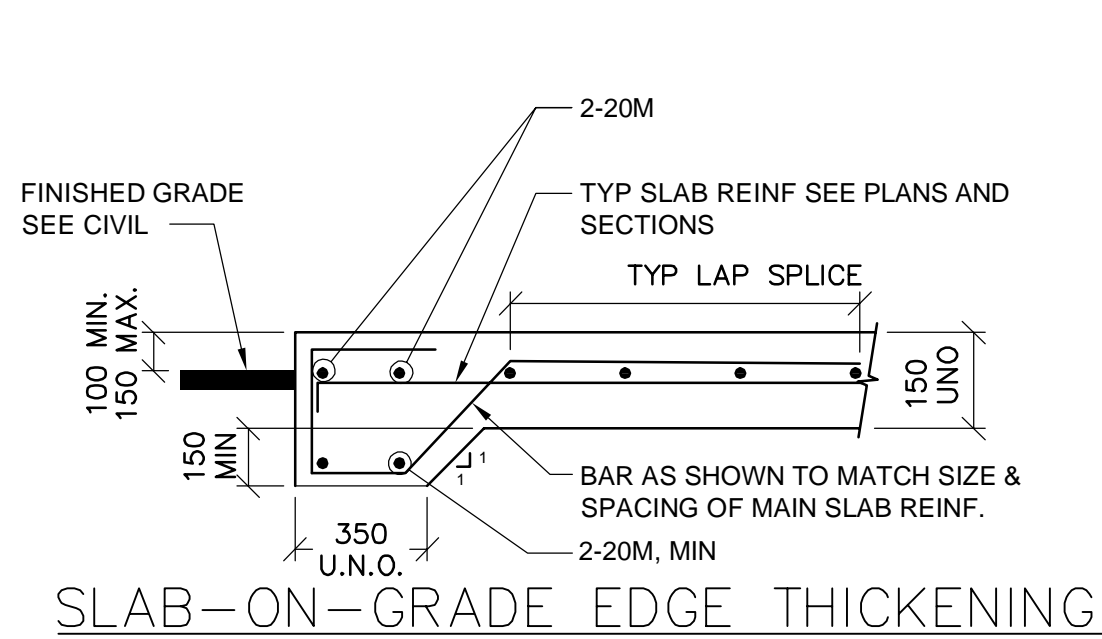


June 26 2018

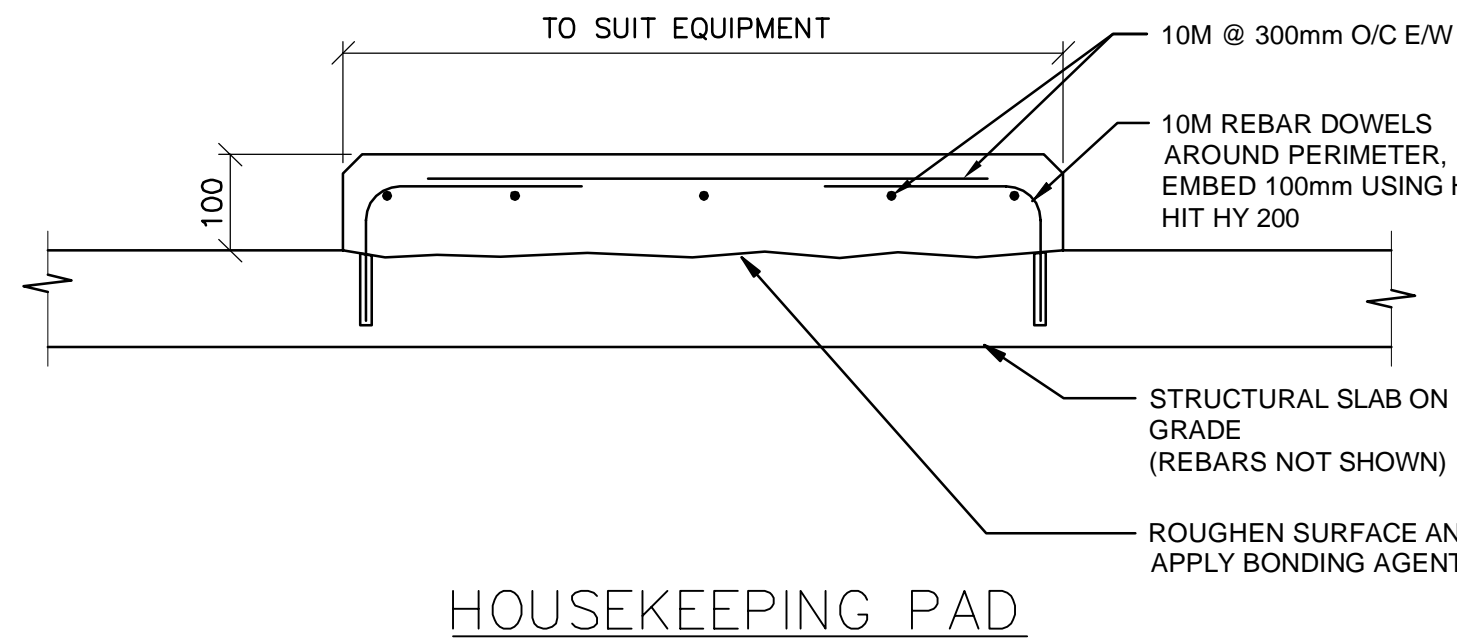
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B	ISSUED FOR 90% REVIEW	18/APR/09
A	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE
<div><div>A</div><div>C</div></div>	<div>A detail number number du detail</div> <div>B source drawing no. de dessin no.</div> <div>C detail on drawing no. detail sur dessin no.</div>	<div>A</div> <div>B</div> <div>C</div>
project title	KICKING HORSE & MONARCH CAMPGROUND	titre du projet
drawing title	STRUCTURAL GENERAL NOTES	titre du dessin
designed by	conçu par	
drawn by	dessiné par	
approved by	approuvé par	
PCA Project Manager	Kurt Devlin	Administrateur de Projets TPSGC
scale	echelle	sheet
project no.	60551150	project no.
date	MAR 2018	date

G-S001

60551150-SHT-S-G0002-STRUCTURAL GENERAL NOTES.DWG



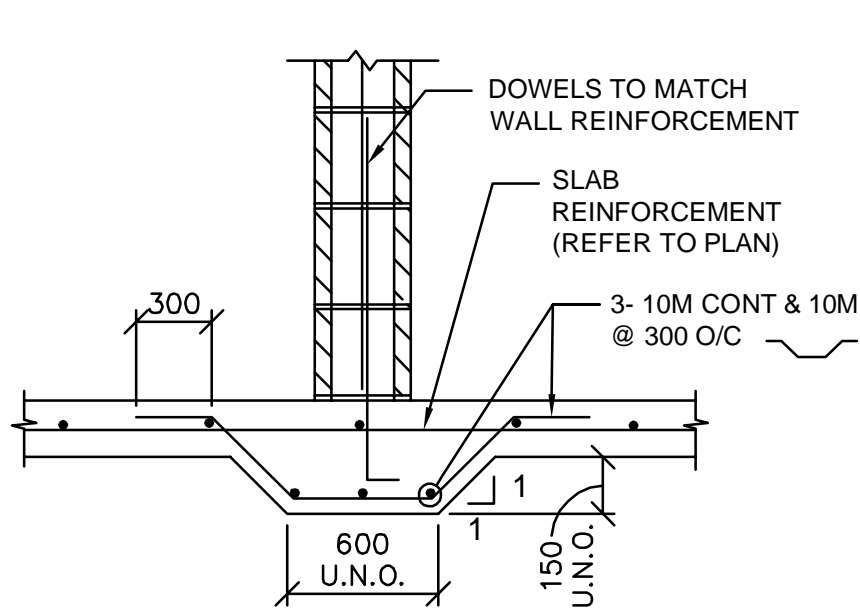
TOP PLATE SPLICE DETAIL



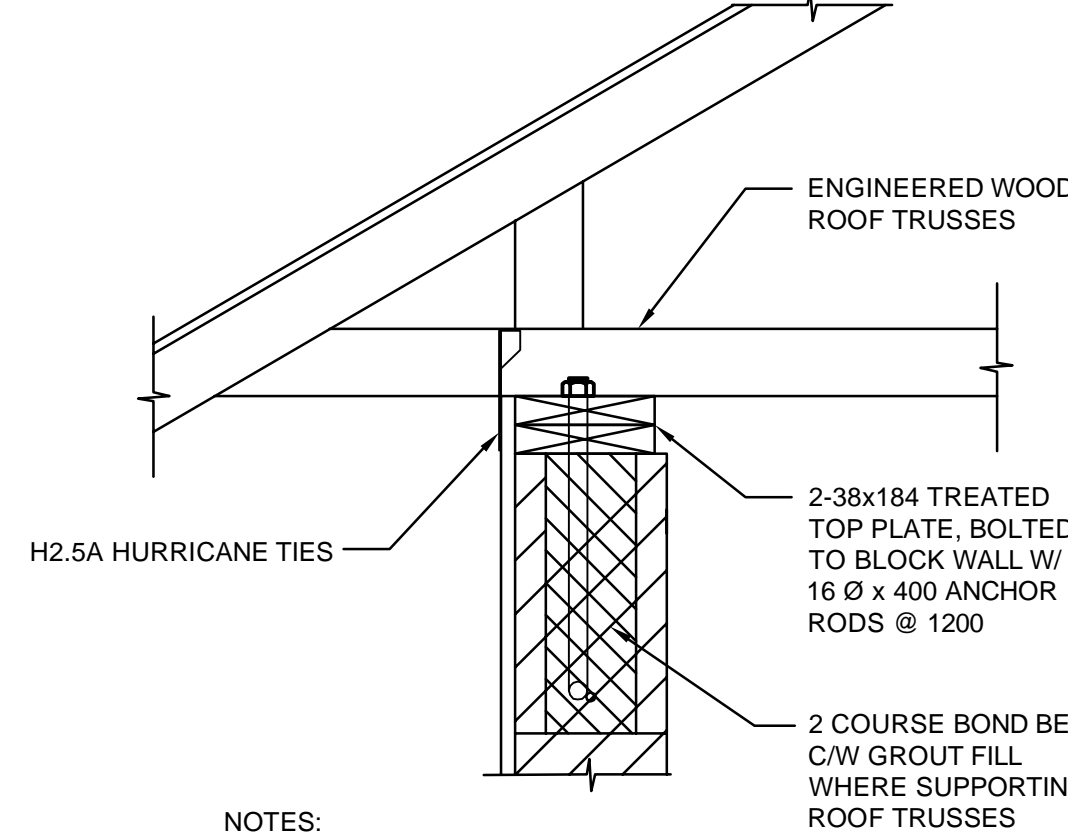
NOTES:

- FOR ANCHOR RODS ETC. SEE EQUIPMENT SUPPLIER

- EXTEND HOUSEKEEPING PAD 100mm ± ALL AROUND BEYOND EXTENTS OF EQUIPMENT. TYPICAL CONFIRM EQUIPMENT SIZE WITH SUPPLIERS DRAWINGS.



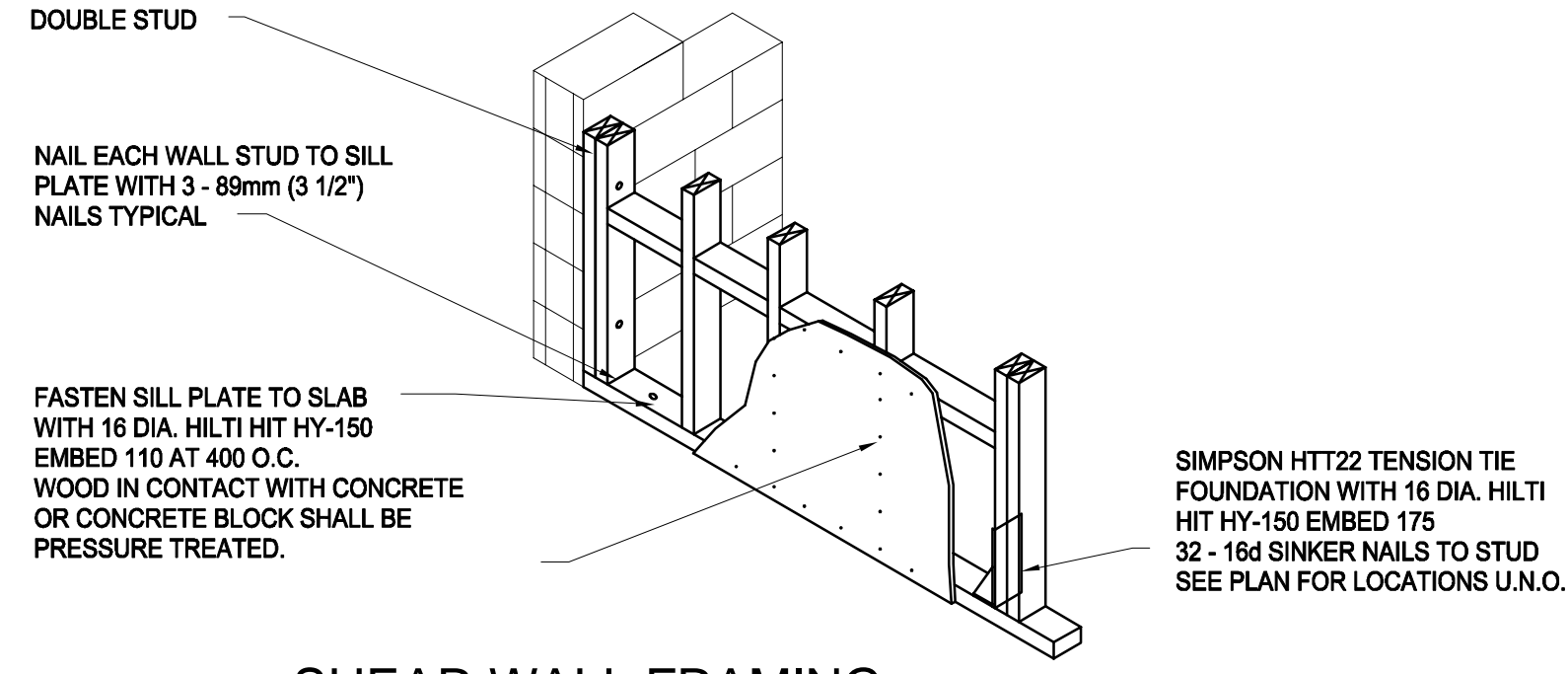
SLAB THICKENING AT BLOCK WALL



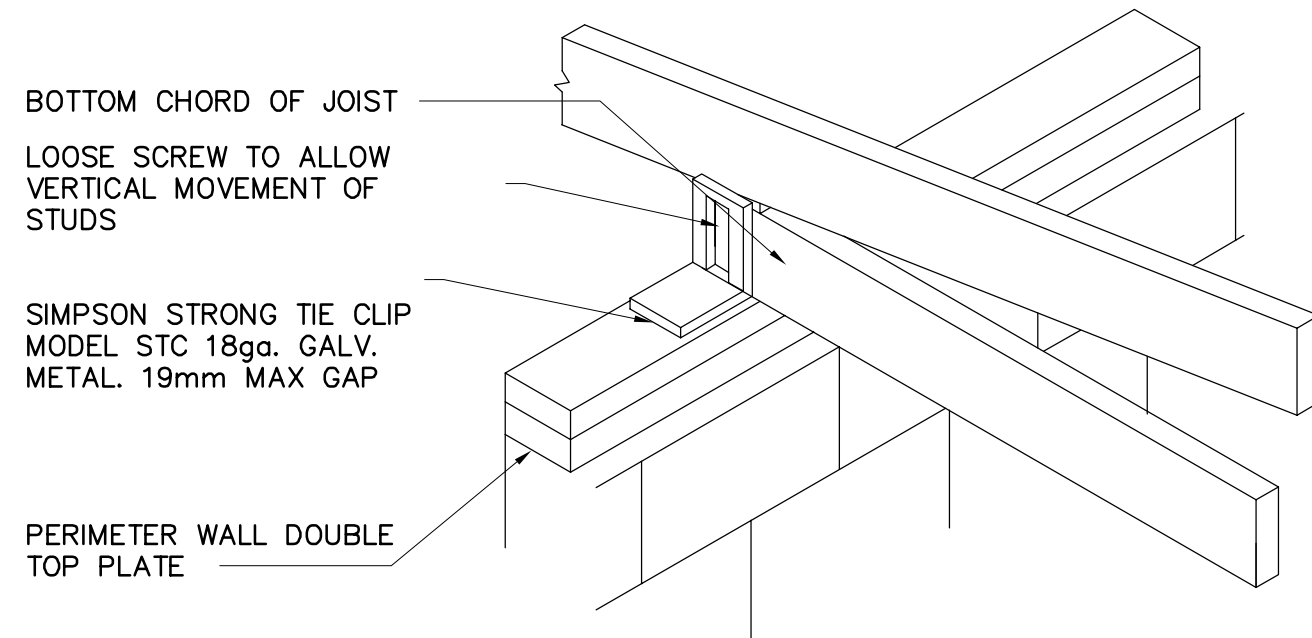
NOTES:

1. REFER TO GENERAL NOTES FOR EXTENT OF MASONRY GROUT
2. TRUSS FABRICATOR MAY PROPOSE ALTERNATIVE BEARING CONNECTION SUBJECT TO THE ENGINEER'S AGREEMENT

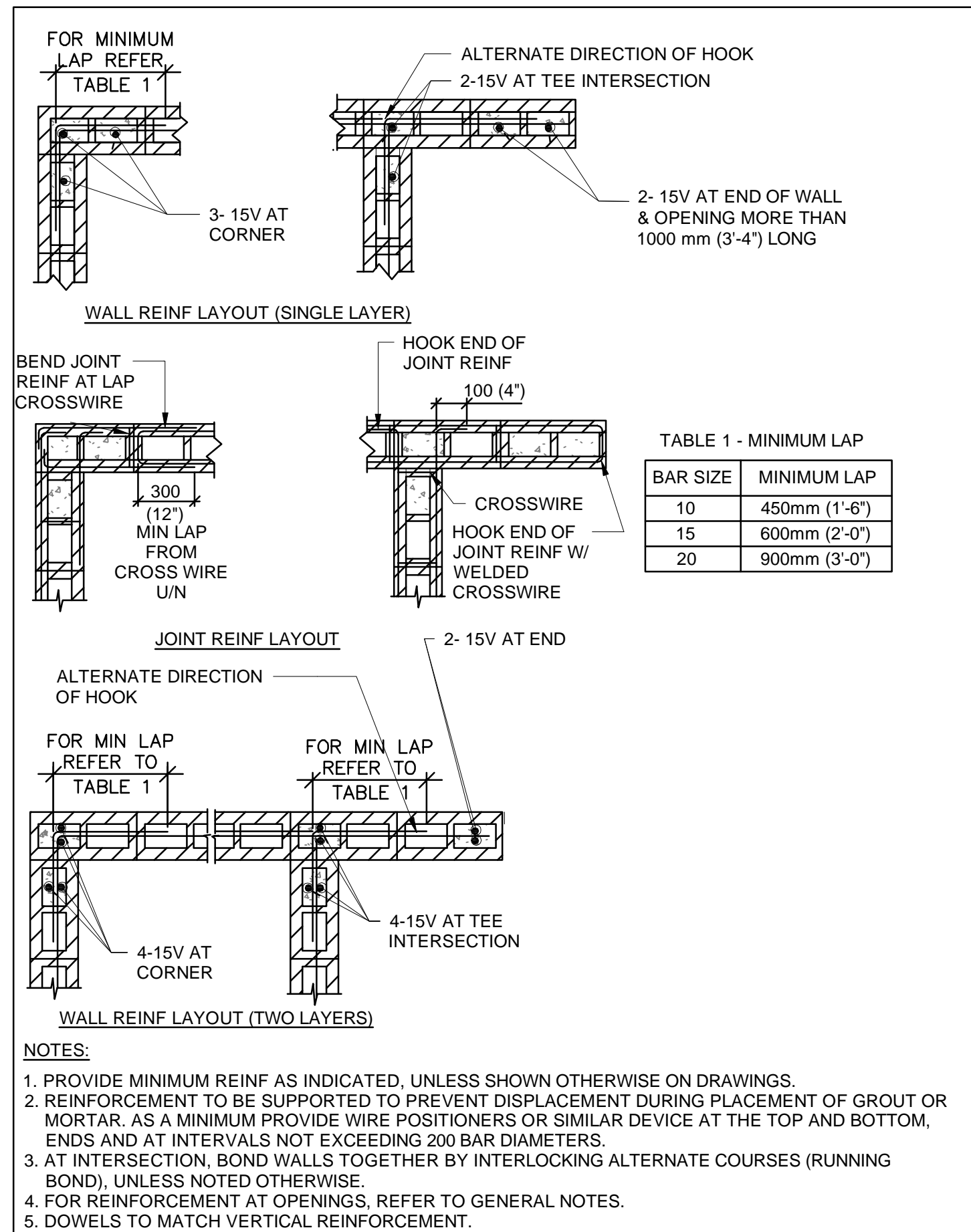
BEARING FOR TRUSS ON MASONRY WALL



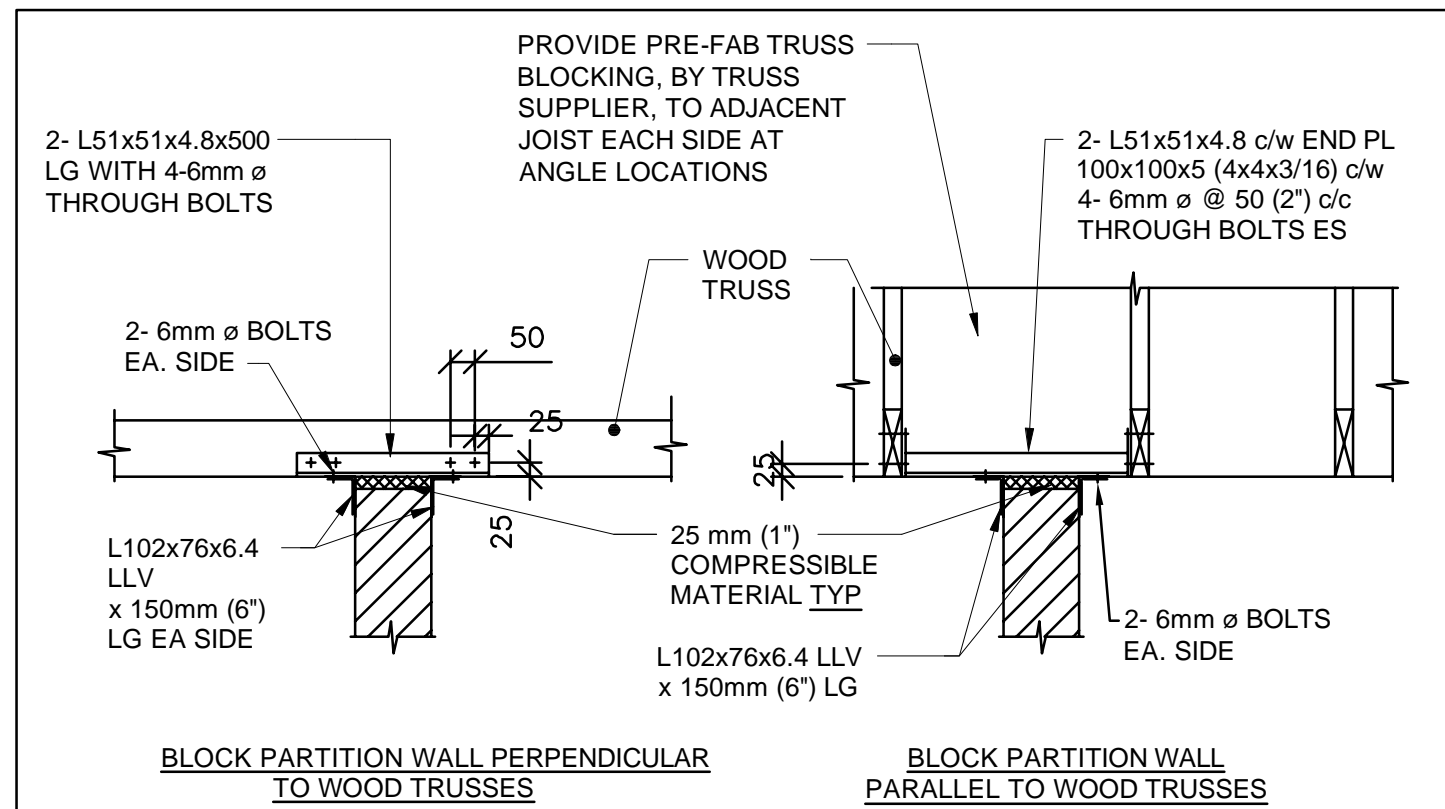
SHEAR WALL FRAMING



WOOD TRUSS CONNECTION TO WALL PLATE



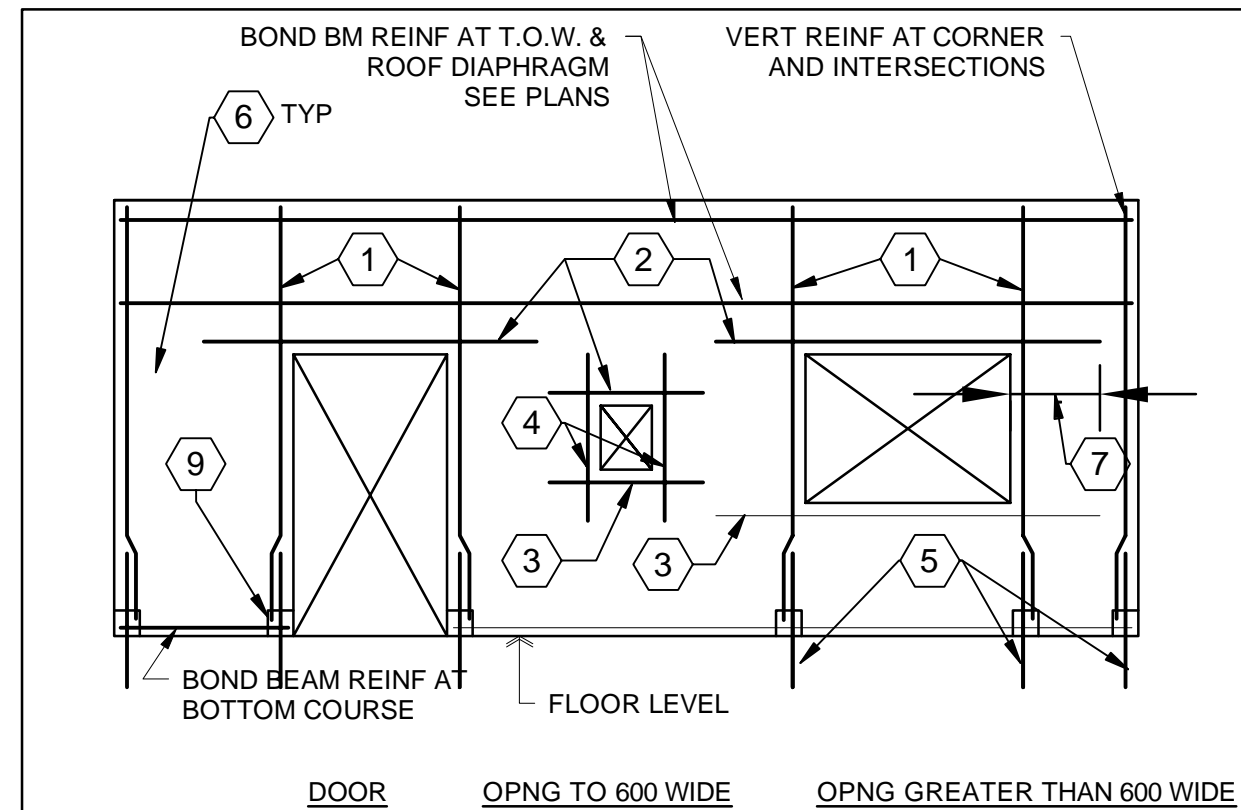
TYPICAL MASONRY WALL REINFORCING



NOTES:

1. REINFORCED MASONRY WALL
- 1.1 PROVIDE TOP LATERAL SUPPORT FOR ALL MASONRY WALLS.
- 1.2 SPACING & LOCATION OF LATERAL SUPPORT TO MATCH VERTICAL REINFORCEMENT IN THE WALL.

LATERAL SUPPORT AT TOP OF MASONRY WALLS



NOTES:

1. OPENING JAMB REINF, SEE JAMB STD DETAIL.
2. LINTEL OPENING REINF, SEE LINTEL STD DETAIL.
3. SILL REINF, 2-15M (MIN) IN BOND BEAM, UNO.
4. 15M BAR, EXTEND 750 mm BEYOND T&B OF THE OPENING.
5. FOUNDATION DOWELS TO MATCH SIZE, LOCATION & SPACING OF WALL VERTICAL REINF.
6. BETWEEN REINF SHOWN, PROVIDE TYP WALL REINF PER CMU WALL REINFORCING SCHEDULE OR AS NOTED ON PLANS.
7. EXTEND LINTEL AND BOND BEAM REINF A MINIMUM OF ONE LAP LENGTH TO EACH SIDE OF OPENINGS AND JOINTS.
8. PIPE PENETRATIONS THROUGH CMU WALLS ARE TREATED AS GENERAL OPNGS WITH THE DIAMETER OF THE WALL PENETRATION BEING CONSIDERED THE RO WIDTH.
9. CLEANOUT OPENING AT ALL VERTICAL REINF. BARS. TYPICAL ALL CMU WALLS.

TYPICAL MASONRY WALL ELEVATION REINFORCING

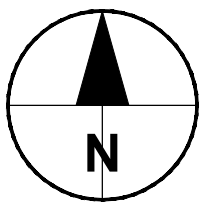
Client Parks Canada Agency L'Agence Parcs Canada
Consultant **AECOM** 300 - 48 Quarry Park Blvd. SE Calgary, Alberta T2C 5P2 Canada
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A	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE
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project title		titre du projet
<div>KICKING HORSE & MONARCH CAMPGROUND</div> <div>YOHO NATIONAL PARK</div>		
drawing title		titre du dessin
<div>STRUCTURAL TYPICAL DETAILS</div>		
designed by		conçu par
drawn by		dessiné par
approved by		approuvé par
PCA Project Manager		Administrateur de Projets TPSCG
Kurt Devlin		
scale	echelle	sheet feuille
project no.	60551150	project no. G-S003
date	MAR 2018	date



NOTE:
1. (NIC) - NOT IN CONTRACT



Client



Parks Canada
Agency

L'Agence Parcs
Canada

Consultant

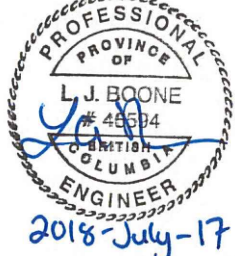


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NOTICE:
THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED BY AECOM CANADA LTD.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.



C	ISSUED FOR TENDER	18/JUL/17
B	ISSUED FOR 90% REVIEW	18/APR/09
A	ISSUED FOR 60% REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE

A

C

A detail number
number du detail

A

B

C

B source drawing no.
de dessin no.

C detail on drawing no.
detail sur dessin no.

project title

titre du projet

**KICKING HORSE
CAMPGROUND IMPROVEMENTS**

drawing title

titre du dessin

**KICKING HORSE
PROPOSED SURFACE WORKS
CIVIL SITE PLAN**

designed by

conçu par

drawn by

dessiné par

approved by

approuvé par

PCA Project Manager

Kurt Devlin

Administrateur de Projets TPSGC

scale

1:1000

echelle

sheet

feuille

project no.

60551150

projet no.


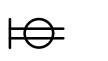
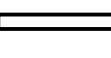










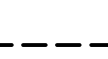
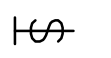

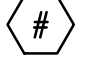


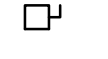



KG-C100

date

DEC 2017

date

60551150-SHT-KG-C100_RX Kicking Horse Overall Site plan.dwg

ELECTRICAL SYMBOL LEGEND			
LIGHTING		POWER	
	WALL MOUNTED LUMINAIRE		DUPLEX RECEPTACLE
	LED LUMINAIRE - SURFACE MOUNTED		OVER COUNTER DUPLEX RECEPTACLE
	LED LUMINAIRE - WALL MOUNTED		FOUR-PLEX RECEPTACLE
	LED STRIP LUMINAIRE		GFI DUPLEX RECEPTACLE
	RECESSED CEILING MOUNTED LUMINAIRE		OVER COUNTER GFI DUPLEX RECEPTACLE
	GROUND MOUNTED FLOODLIGHT LUMINAIRE		JUNCTION BOX
	THREE WAY SWITCH - LINE VOLTAGE		120/240V PANELBOARD
	DIMMER SWITCH - LINE VOLTAGE		UNDERGROUND CONDUIT/CABLE
	LINE VOLTAGE SWITCH		MANUAL MOTOR STARTER FOR UNIT HEATER
	LUMINAIRE TYPE		MOTOR
	DUAL TECHNOLOGY OCCUPANCY SENSOR		DISCONNECT SWITCH
COMMUNICATION		ABBREVIATIONS	
	TELECOMMUNICATIONS WALL OUTLET V=VOICE, D=DATA (EG. 2D=2 TELECOM CABLE JACKS, 2V=2 VOICE JACKS)	FV	FLUSH VALVE (HANDS FREE)
		LAV	LAVATORY (HANDS FREE)
		WP	WEATHERPROOF
		U/C	UNDER COUNTER

NOTES:

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SYMBOLS SHOWN ARE NOT TO SCALE. LOCATIONS SHOWN REFLECT THE DESIGN INTENT AND MUST BE CO-ORDINATED WITH ALL OTHER TRADES. REFER TO ARCHITECTURAL, MECHANICAL DRAWINGS FOR SCALED LOCATIONS OF BUILDING ELEMENTS, SIZES AND EQUIPMENT.
- CONTRACTOR TO ROUTE NEW WASHROOM FEEDER ALONG THE EXISTING FEED TO LIMIT DISRUPTION TO SITE.
- CONTRACTOR TO MOUNT SKIDMOUNT GENERATOR ADJACENT TO THE EXISTING BUILDING. CONTRACTOR TO COORDINATE LOCATION ON SITE WITH PARKS CANADA.
- CONTRACTOR TO REMOVE, DISCONNECT AND MAKE SAFE ALL ELECTRICAL EQUIPMENT FOR PURPOSES OF DEMOLITION. CONTRACTOR TO COORDINATE WITH THE GENERAL FOR SEQUENCE OF REMOVAL.
- CONTRACTOR TO DISCONNECT, REMOVE AND RELOCATE EXISTING ANTENNA TO THE NEW KIOSK. COORDINATE WITH PARKS CANADA FOR THE PREFERRED LOCATION OF INSTALLATION.
- CONTRACTOR TO ENSURE THAT ELECTRICAL POWER SERVICE TO DOWNSTREAM DEVICES NOT BEING UPGRADED IS NOT AFFECTED. WHERE TEMPORARY DISCONNECTION TO EXISTING EQUIPMENT IS NECESSARY TO COMPLETE THE WORK, CONTRACTOR SHALL RESTORE ORIGINAL CONDITIONS.

Client

 Parks Canada Agency

L'Agence Parcs Canada

Consultant



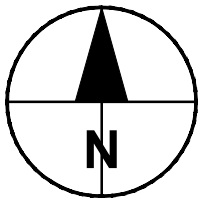
300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Client

Consultant

NOTICE:
THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED BY AECOM CANADA LTD.

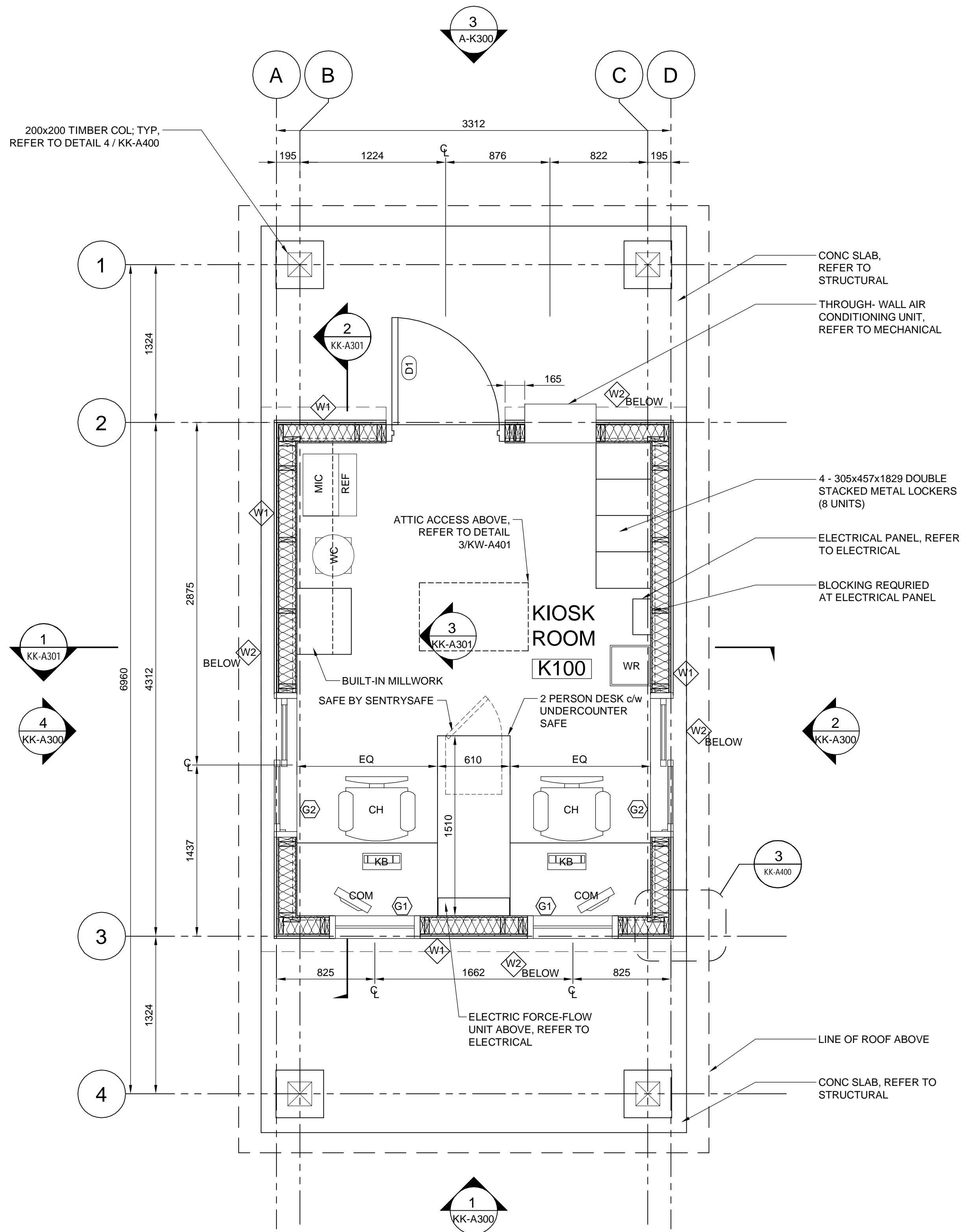
THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.



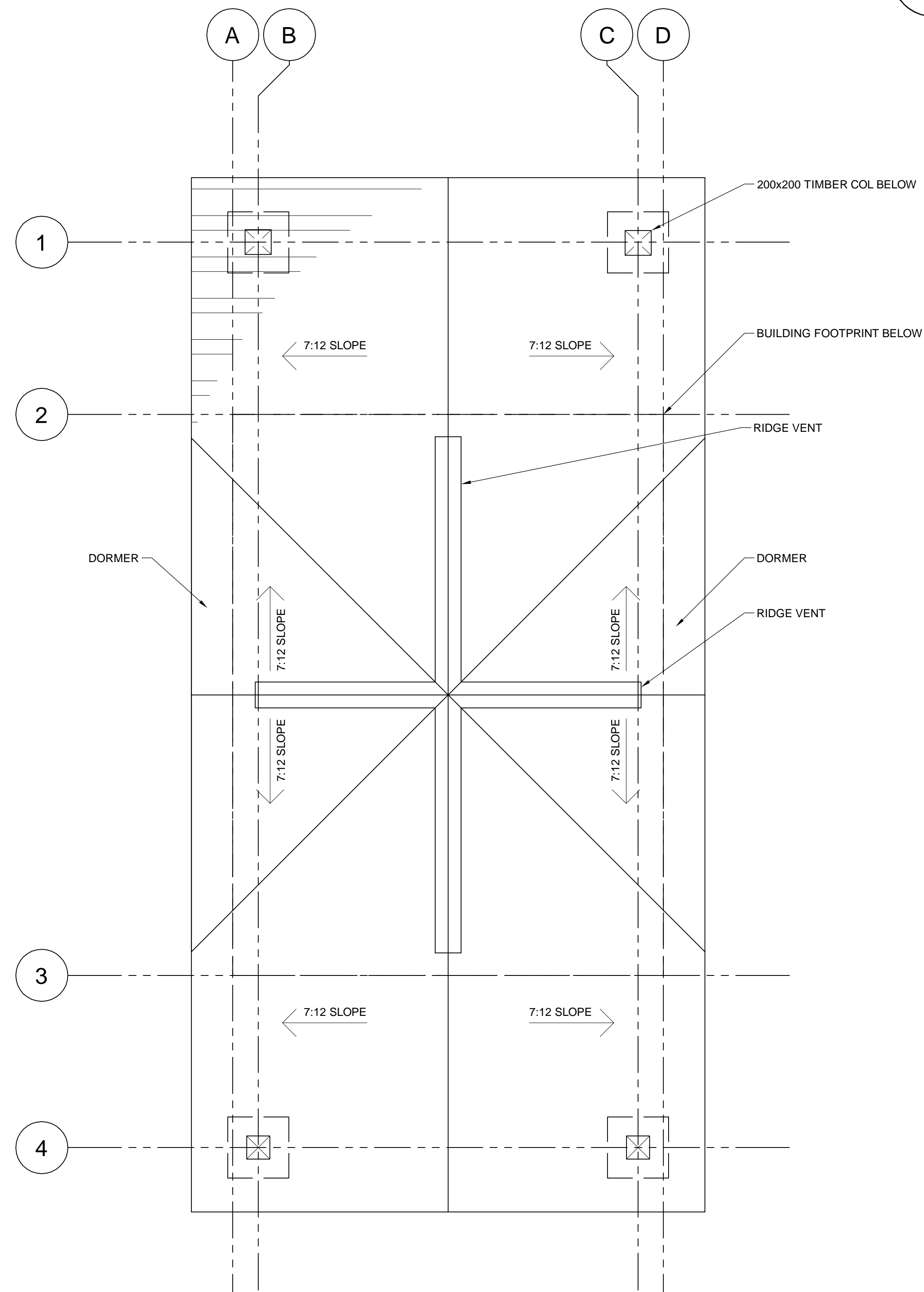
1
KG-E000
ELECTRICAL SITE PLAN
SCALE 1:1000



B	ISSUED FOR TENDER	18/JUL/17
A	ISSUED FOR 90% REVIEW	18/APR/09
REVISIONS	DESCRIPTION	DATE
<div><div>A</div><div>C</div></div>	A detail number number du detail B source drawing no. de dessin no. C detail on drawing no. detail sur dessin no.	<div><div>A</div><div>B</div><div>C</div></div>
project title		titre du projet
<div>KICKING HORSE CAMPGROUND IMPROVEMENTS</div>		
<div>YOHO NATIONAL PARK</div>		
drawing title		titre du dessin
<div>KICKING HORSE ELECTRICAL SITE PLAN AND SYMBOL LEGEND</div>		
designed by JR conçu par		
drawn by RK dessiné par		
approved by JR approuvé par		
PCA Project Manager Kurt Devlin Administrateur de Projets TPSGC		
scale 1:1000	échelle	sheet feuille
project no. 60551150	project no.	KG-E000
date MAR 2018	date	



1	FLOOR PLAN
KK-A101	1:25





2	ROOF PLAN
KK-A101	1:25

EQUIPMENT SCHEDULE	
CH	OFFICE CHAIR
COM	COMPUTER MONITOR c/w HARD DRIVE (UNDER DESK)
KB	KEYBOARD
MIC	MICROWAVE
REF	REFRIGERATOR
WC	WATER COOLER
WR	WASTE RECEPTACLE



SYM	QTY	UNIT	BOTANICAL NAME	COMMON NAME	SIZE/ REMARKS
CONIFEROUS SHRUBS					
	10	EACH	JUNIPERUS COMMUNIS	COMMON JUNIPER	#5 CONTAINER; 600 mm SPREAD; 1 PER m2
DECIDUOUS SHRUBS					
	5	EACH	ARCTOSTAPHYLOS RUBRA	ALPINE BEARBERRY	#5 CONTAINER; 600 mm SPREAD; 1 PER m2
	5	EACH	POTENTILLA FRUITICOSA 'ABBOTSWOOD'	ABBOTSWOOD POTENTILLA	#5 CONTAINER; 500 mm HEIGHT; 1 PER m2



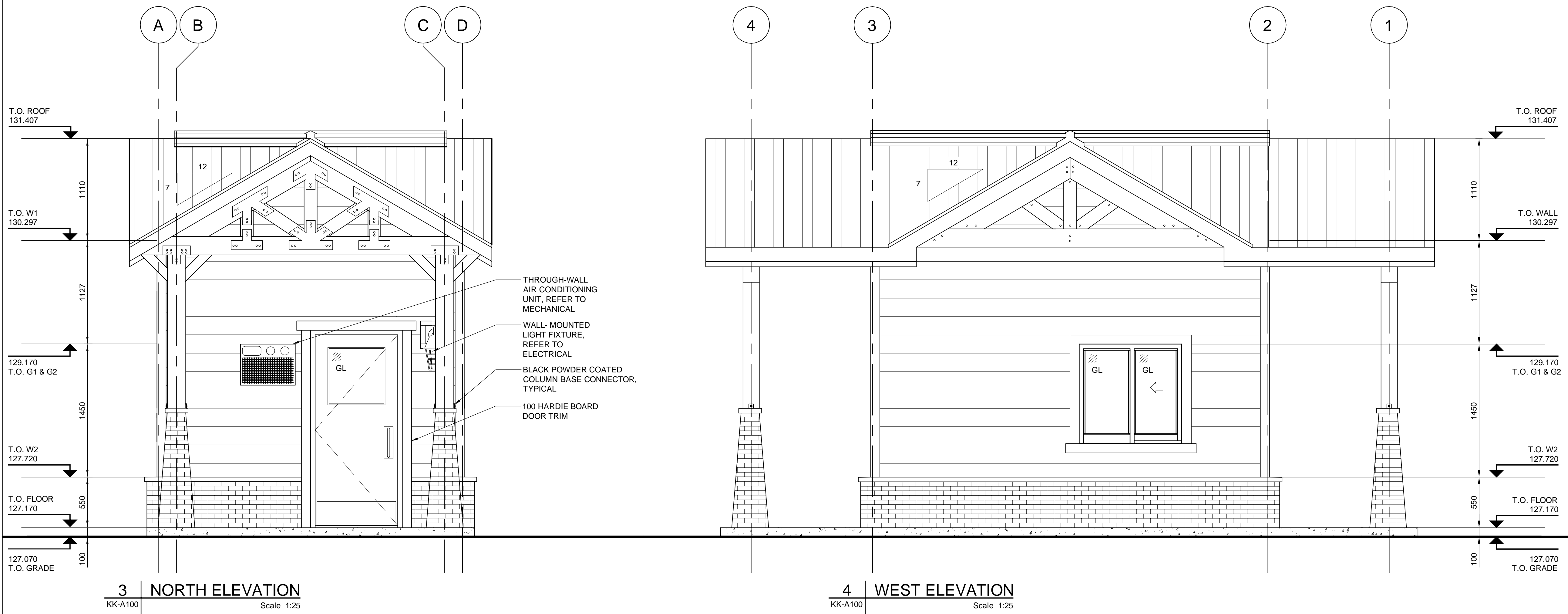
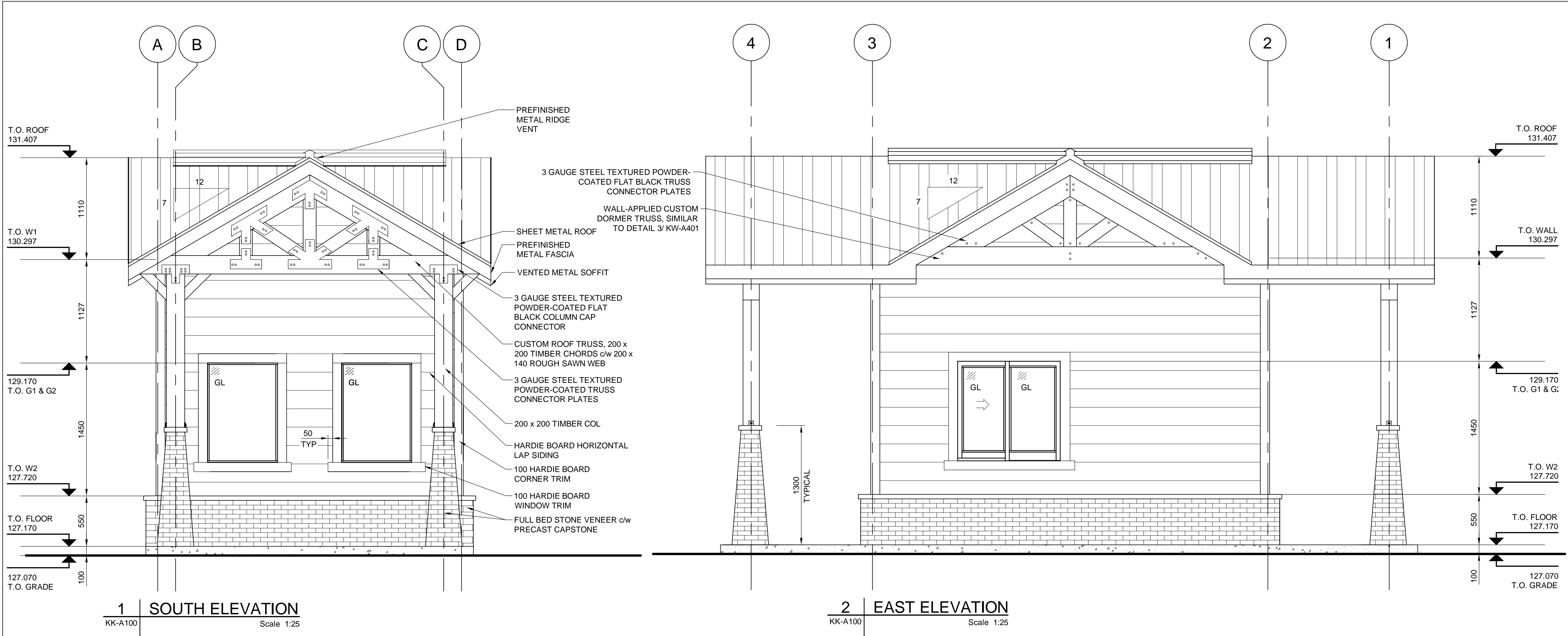
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YOHO NATIONAL PARK

ENTRY KIOSK SITE PLAN

DATE	FEB 2018	DATE
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P:\60551150-CAD-GIS\910-CAD\05-MODELS\01\A-SHEETS - REVISION E (TENDER)\KK-A300 - ENTRY KIOSK EXTERIOR ELEVATIONS\60551150 - KK-A300 - ENTRY KIOSK EXTERIOR ELEVATIONS.DWG
Project Management Initials: Designer: Checked: Approved:



Client

Parks Canada Agency

L'Agence Parcs Canada

Consultant

AECOM

300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Conseiller

REVISIONS	DESCRIPTION	DATE
E	ISSUED FOR TENDER	18/JUNE/08
D	ISSUED FOR 90% CLIENT REVIEW	18/APR/09
C	ISSUE FOR 60% CLIENT REVIEW	18/MAR/09
B	ISSUED FOR FINAL DESIGN MEMO	18/FEB/15
A	ISSUED FOR PREDESIGN MEMO	18/FEB/01

A
C

A detail number
number du detail
B source drawing no.
de dessin no.
C detail on drawing no.
detail sur dessin no.

A
B C

project title

KICKING HORSE & MONARCH CAMPGROUND

titre du projet

drawing title

ENTRY KIOSK EXTERIOR ELEVATIONS

titre du dessin

designed by

conçu par

drawn by

dessiné par

approved by

approuvé par

PCA Project Manager

Kurt Devlin

Administrateur de Projets TPSGC

scale

échelle

sheet

feuille

project no.

60551150

projct no.

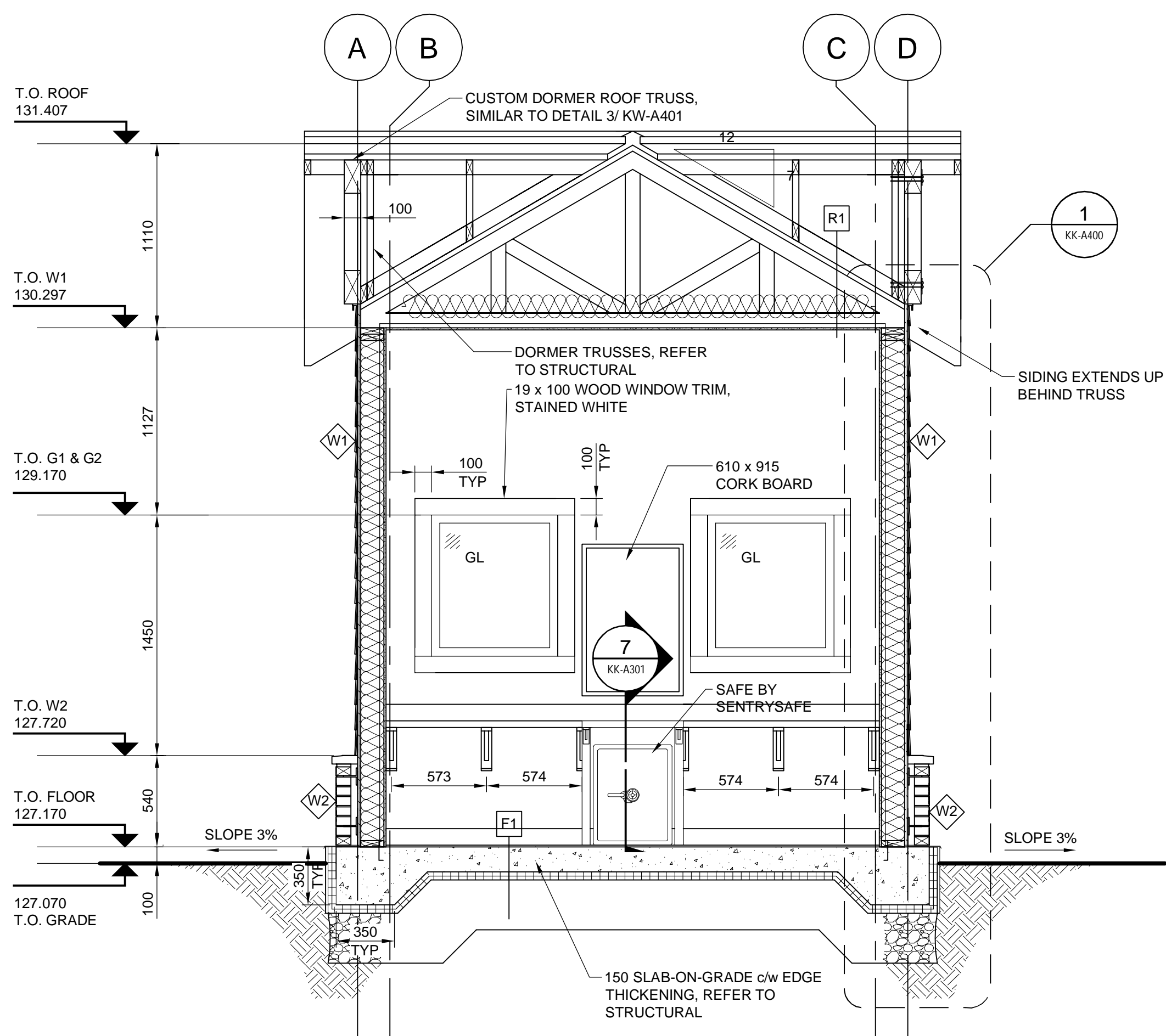
KK-A300

date

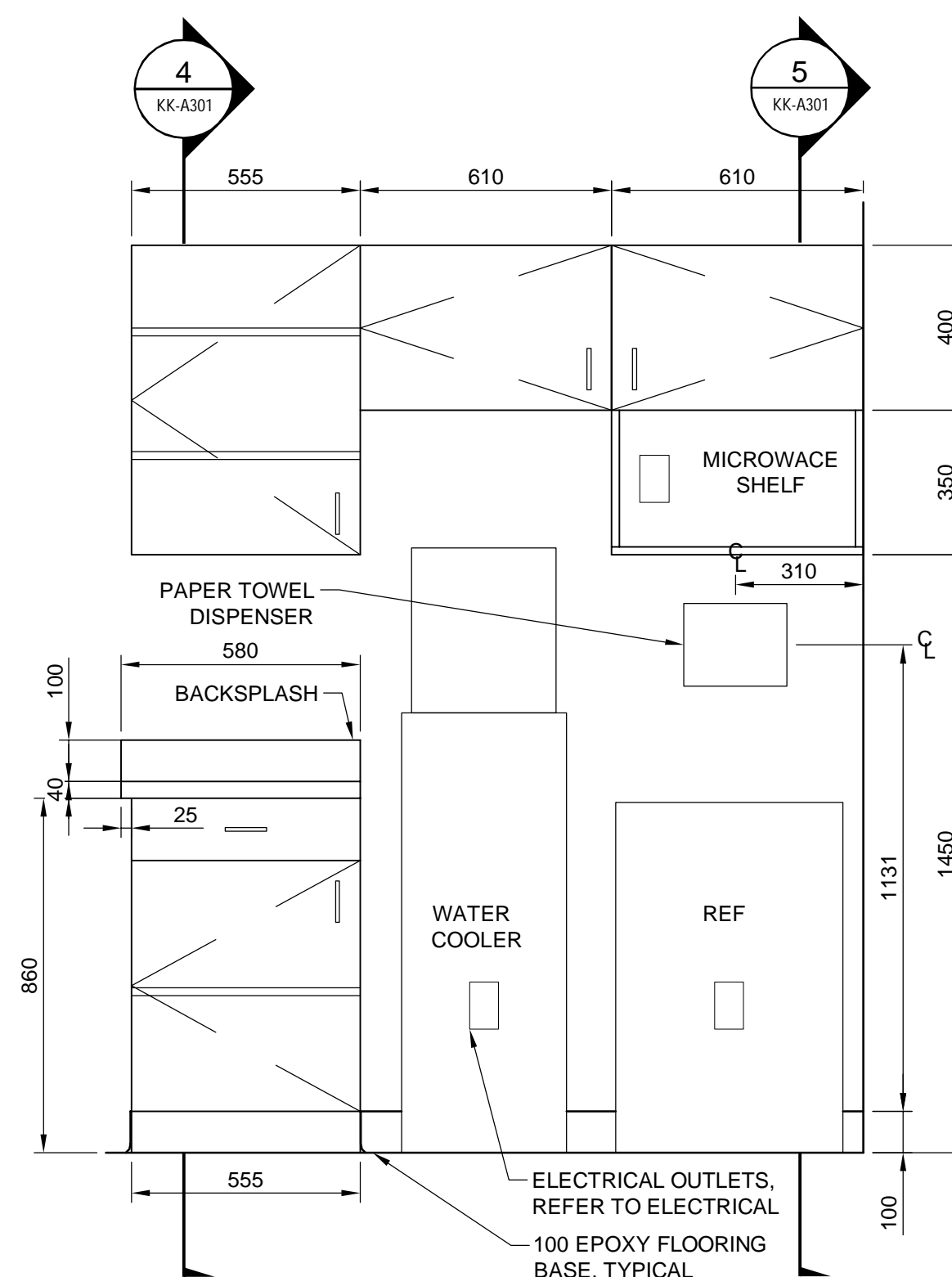
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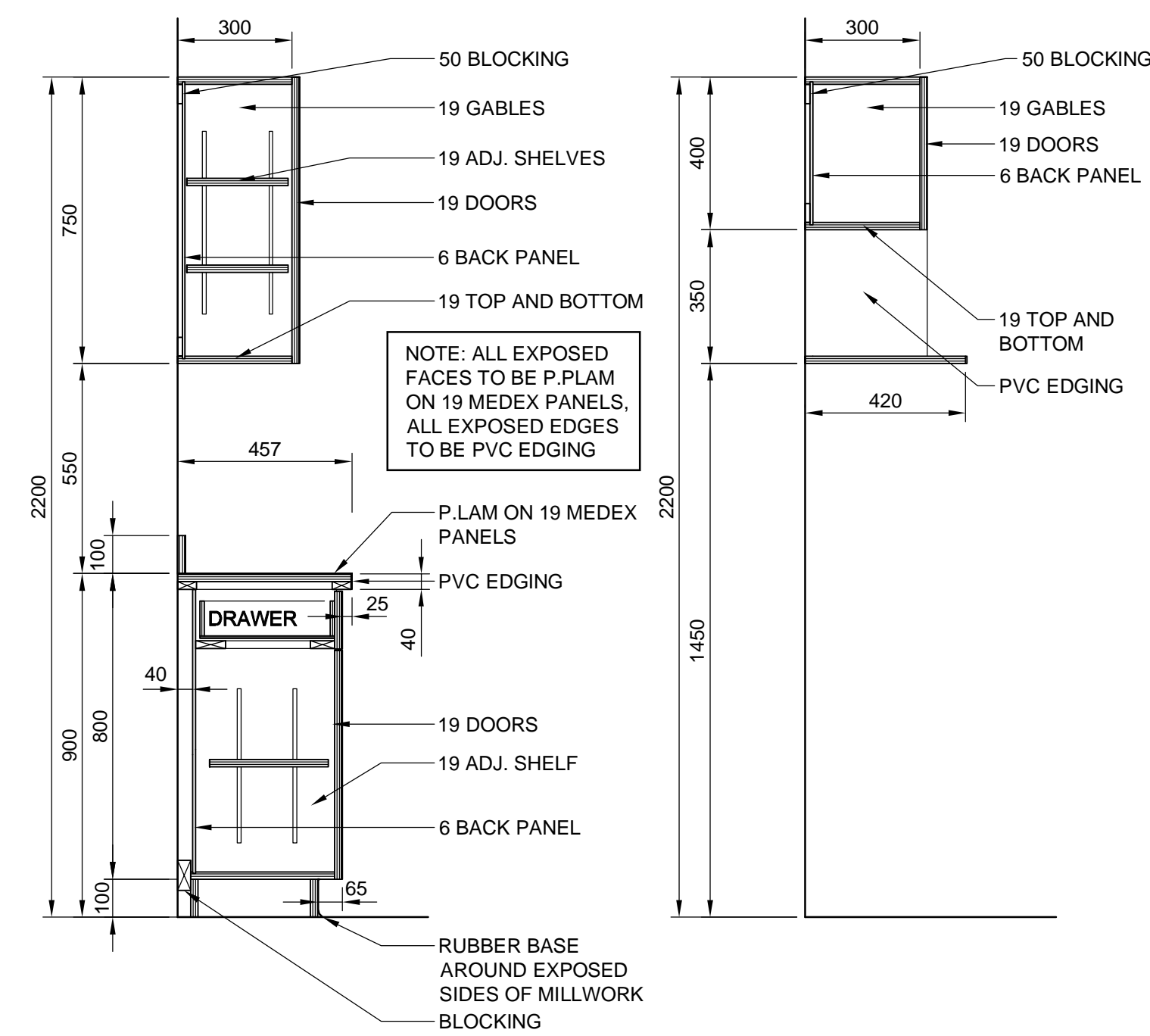
Parks Canada- Yoho Kiosk_Floor Plan& Elevations.DWG



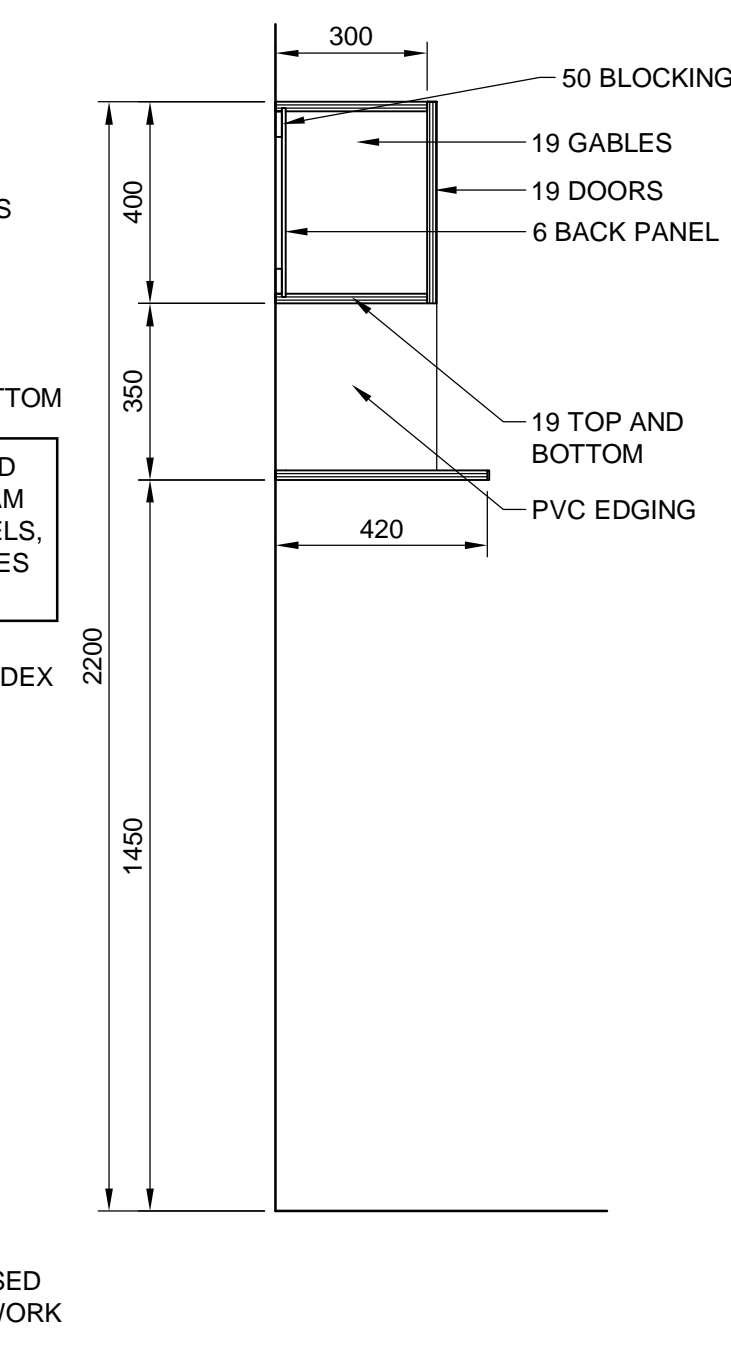
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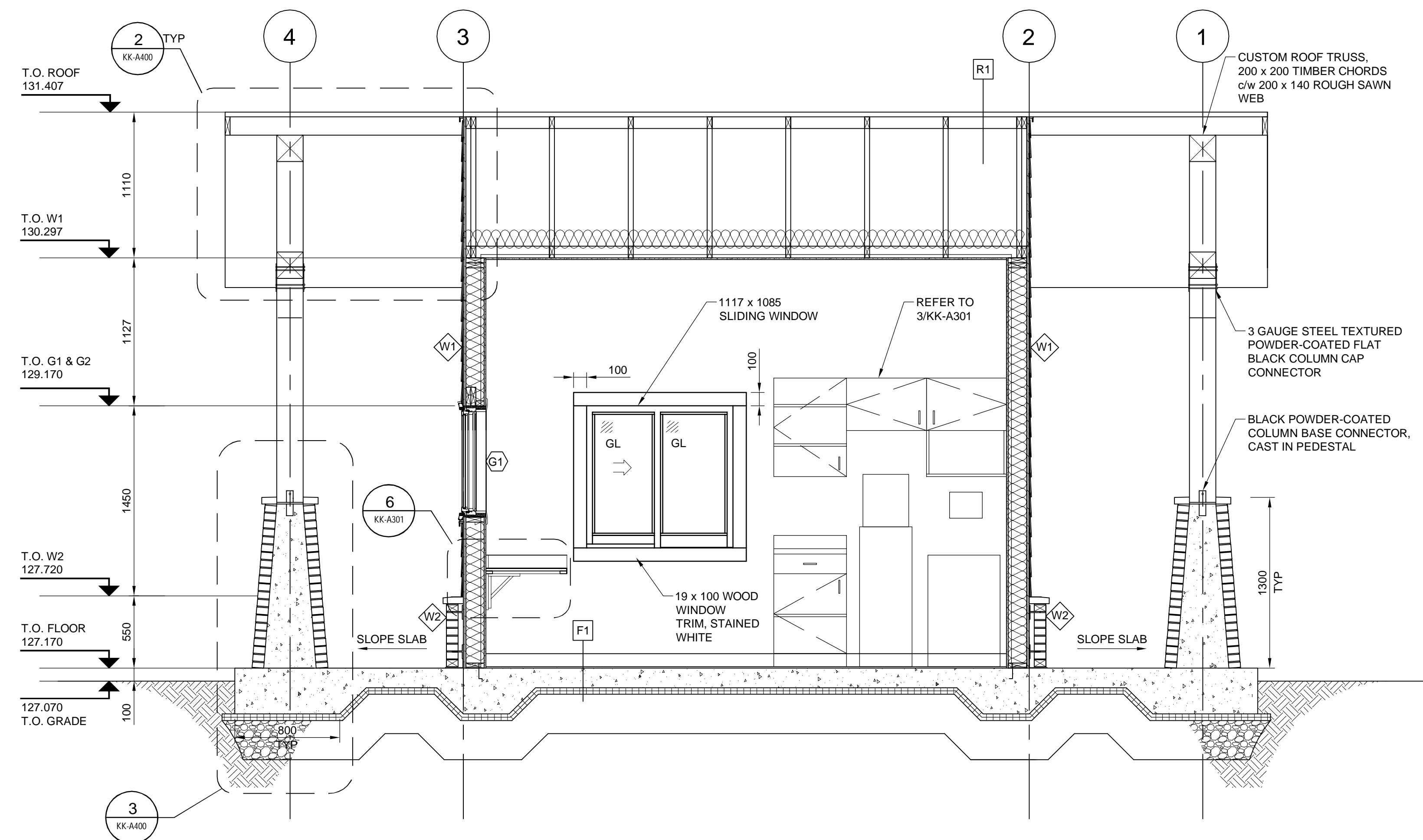
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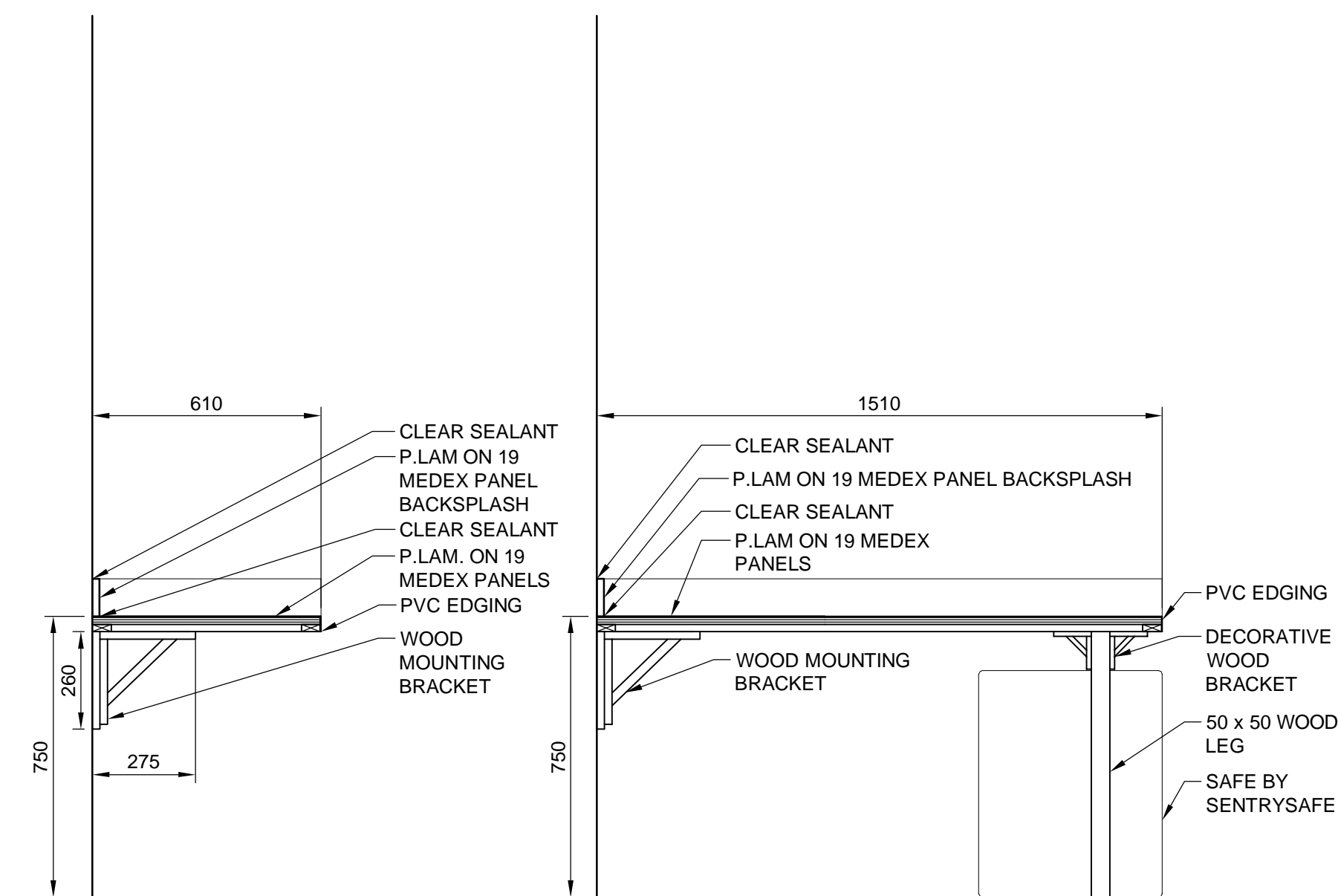
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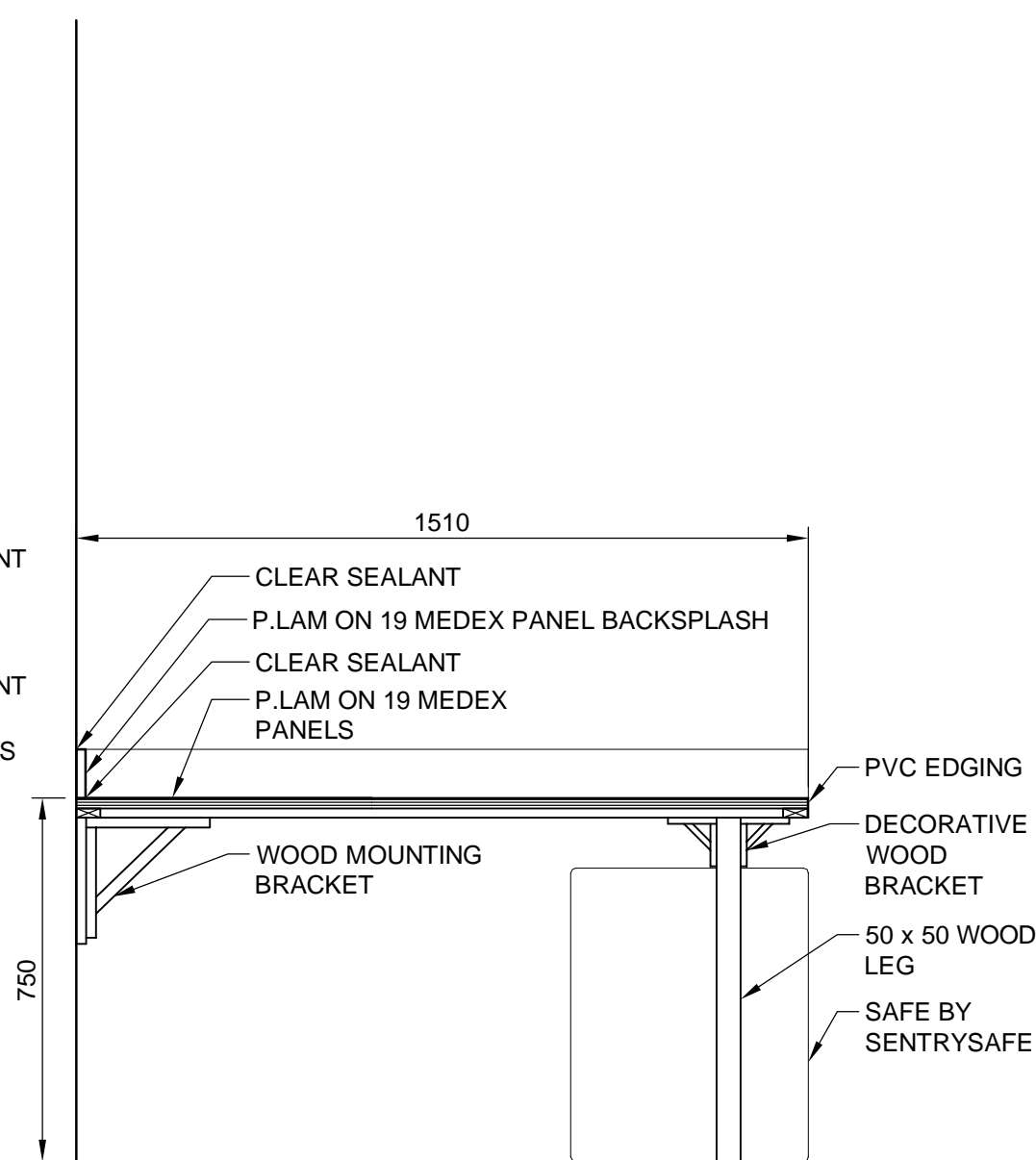
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KK-A301 Scale 1:15



2 BUILDING SECTION
KK-A100 Scale 1:25



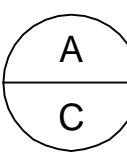
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KK-A301	Scale 1:15



7 | MILLWORK SECTION
KK-A301 Scale 1:15



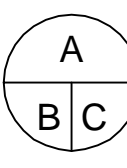
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D	ISSUED FOR 90% CLIENT REVIEW	18/APR/09
C	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
B	ISSUED FOR FINAL DESIGN MEMO	18/FEB/15
A	ISSUED FOR PREDESIGN MEMO	18/FEB/01
REVISIONS	DESCRIPTION	DATE



A detail number
number du detail

B source drawing no.
de dessin no.

C detail on drawing no.
detail sur dessin no.



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<h1 style="margin: 0;">ENTRY KIOSK SECTIONS</h1>		titre du dessin

drawing title	<h1 style="margin: 0;">ENTRY KIOSK SECTIONS</h1>	titre du dessin
<h1 style="margin: 0;">ENTRY KIOSK SECTIONS</h1>		titre du dessin

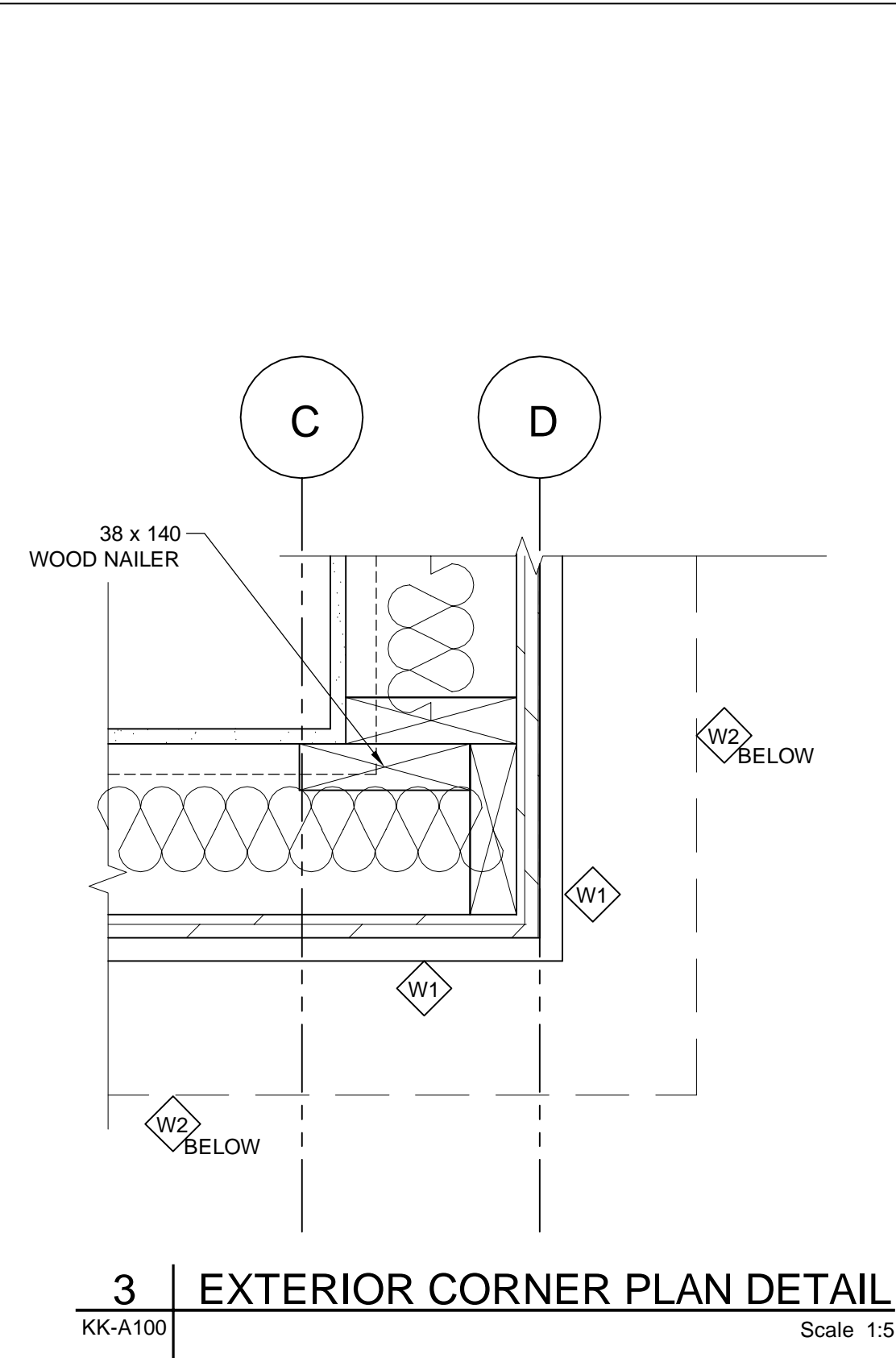
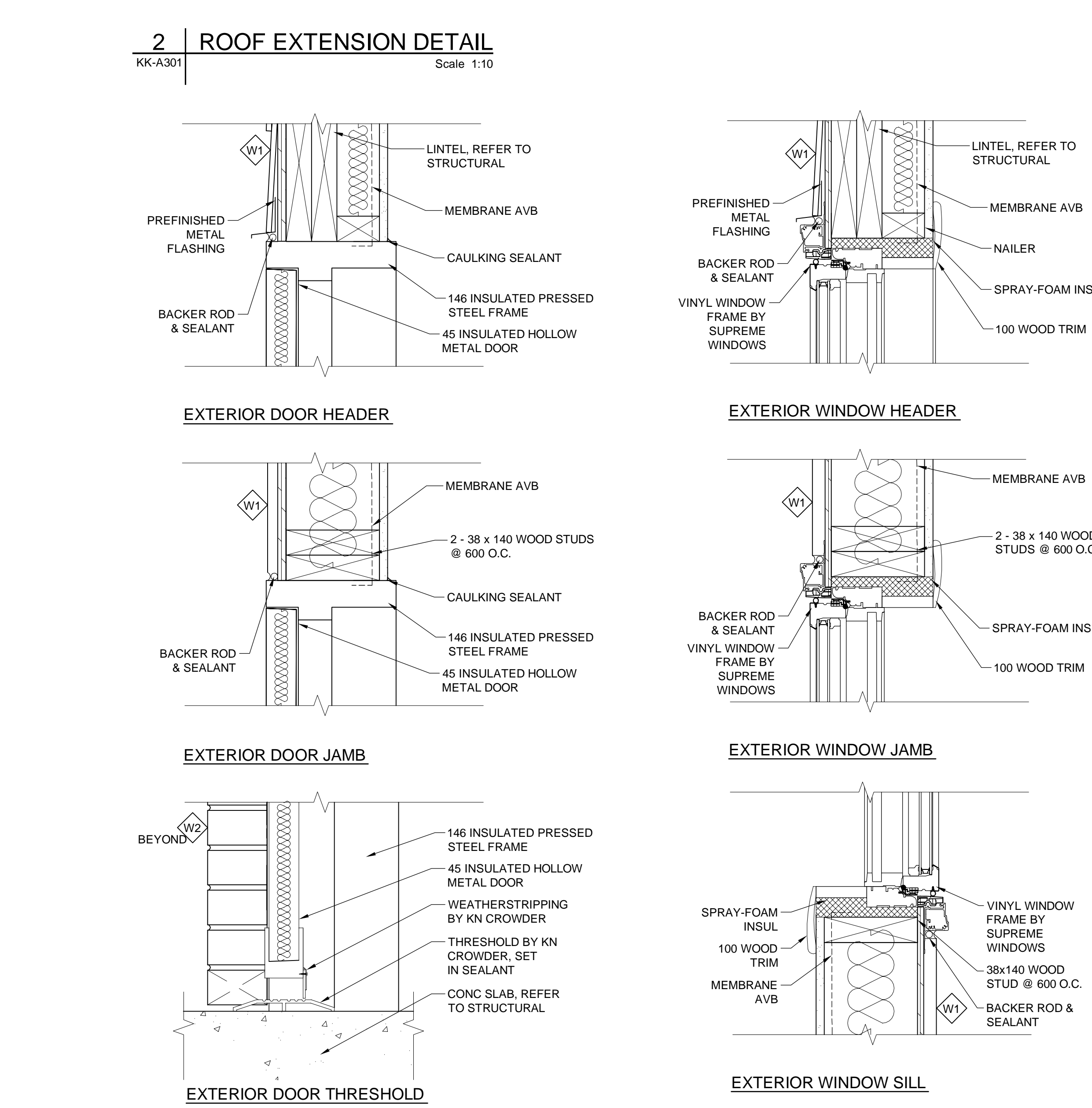
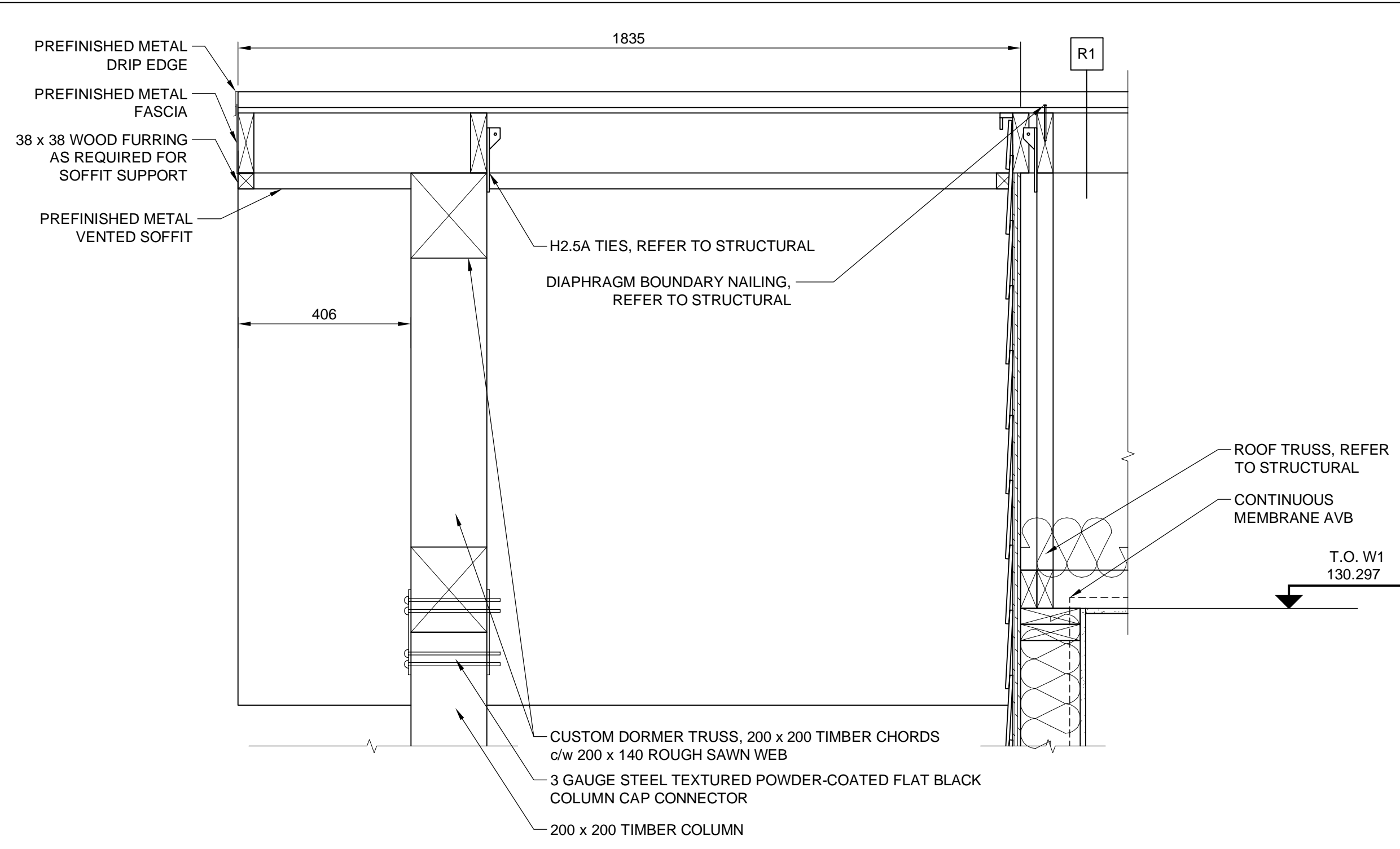
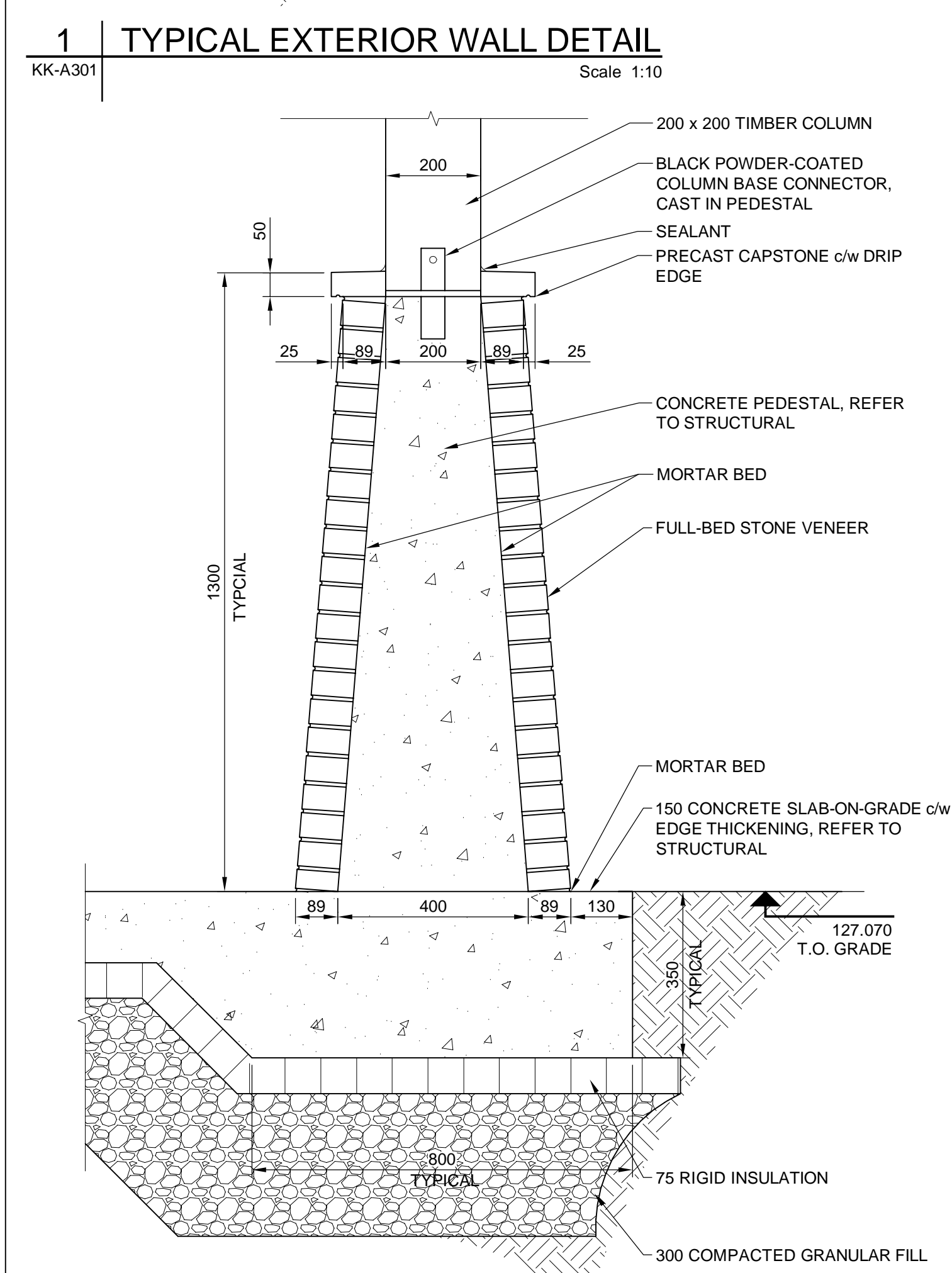
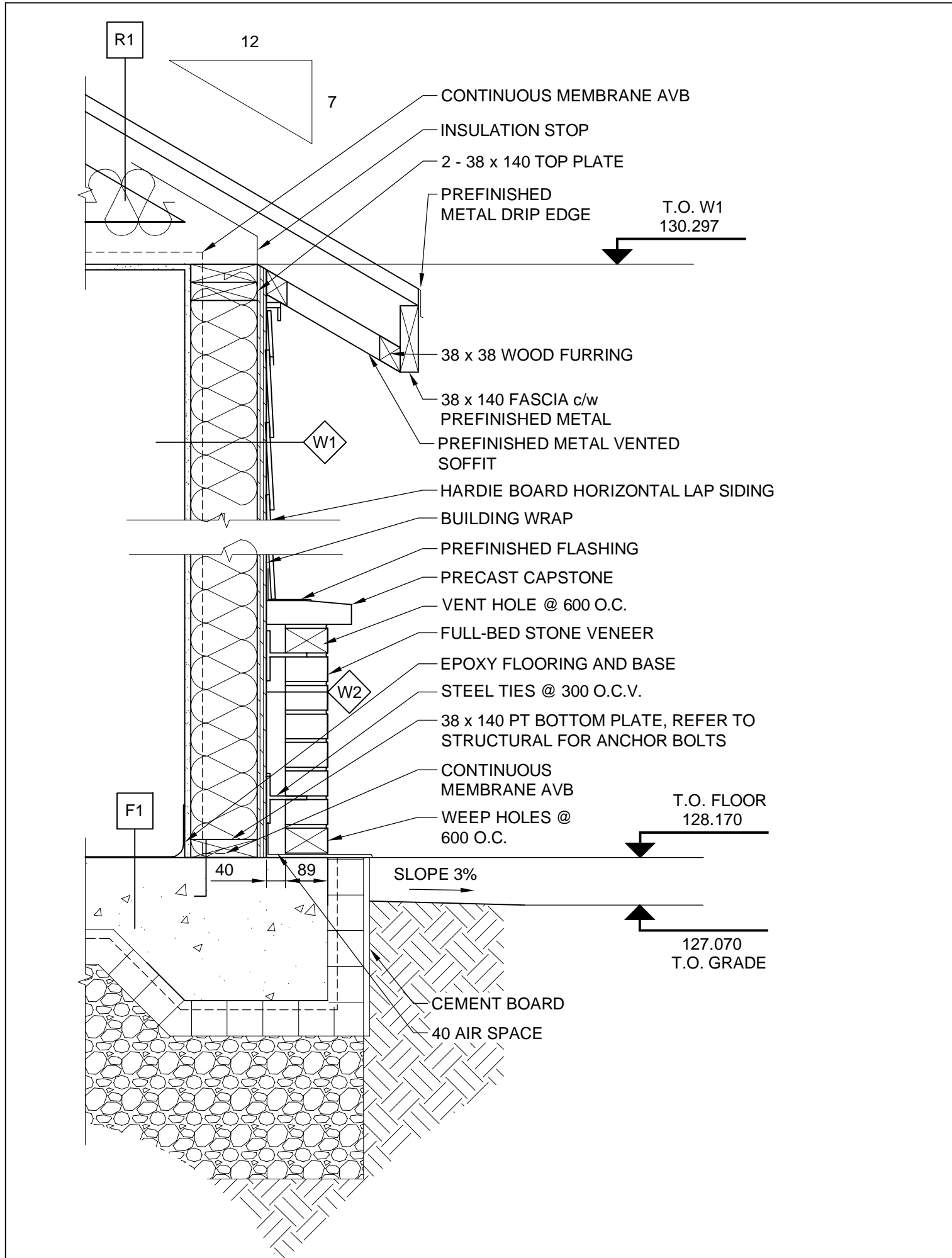
designed by		conçu par
drawn by		dessiné par
approved by		approuvé par

PCA Project Manager	Administrateur de Projets TSPSC	
Kurt Devlin		

scale	échelle	sheet	feuille
project no.	60551150	project no.	KK-A301
date	FEB 2018	date	

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Project Management Initials: Designer: _____ Checked: _____ Approved: _____



Client

Parks Canada Agency

L'Agence Parcs Canada

Consultant

AECOM

300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Client

Conseiller

REGISTERED ARCHITECT
ISAAC JUSTIN HAYES
Jun. 27 / 2018
BRITISH COLUMBIA

E	ISSUED FOR TENDER	18/JUNE/08
D	ISSUED FOR 90% CLIENT REVIEW	18/APR/09
C	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
B	ISSUED FOR FINAL DESIGN MEMO	18/FEB/15
A	ISSUED FOR PREDESIGN MEMO	18/FEB/01
REVISIONS	DESCRIPTION	DATE

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C

A detail number
number du detail
B source drawing no.
de dessin no.
C detail on drawing no.
detail sur dessin no.

A
B C

project title

KICKING HORSE & MONARCH CAMPGROUND

titre du projet

YOHO NATIONAL PARK

drawing title

ENTRY KIOSK DETAILS

titre du dessin

designed by

conçu par

drawn by

dessiné par

approved by

approuvé par

PCA Project Manager

Kurt Devlin

Administrateur de Projets TPSGC

scale

échelle

sheet

feuille

project no.

60551150

proj. no.

KK-A400

date

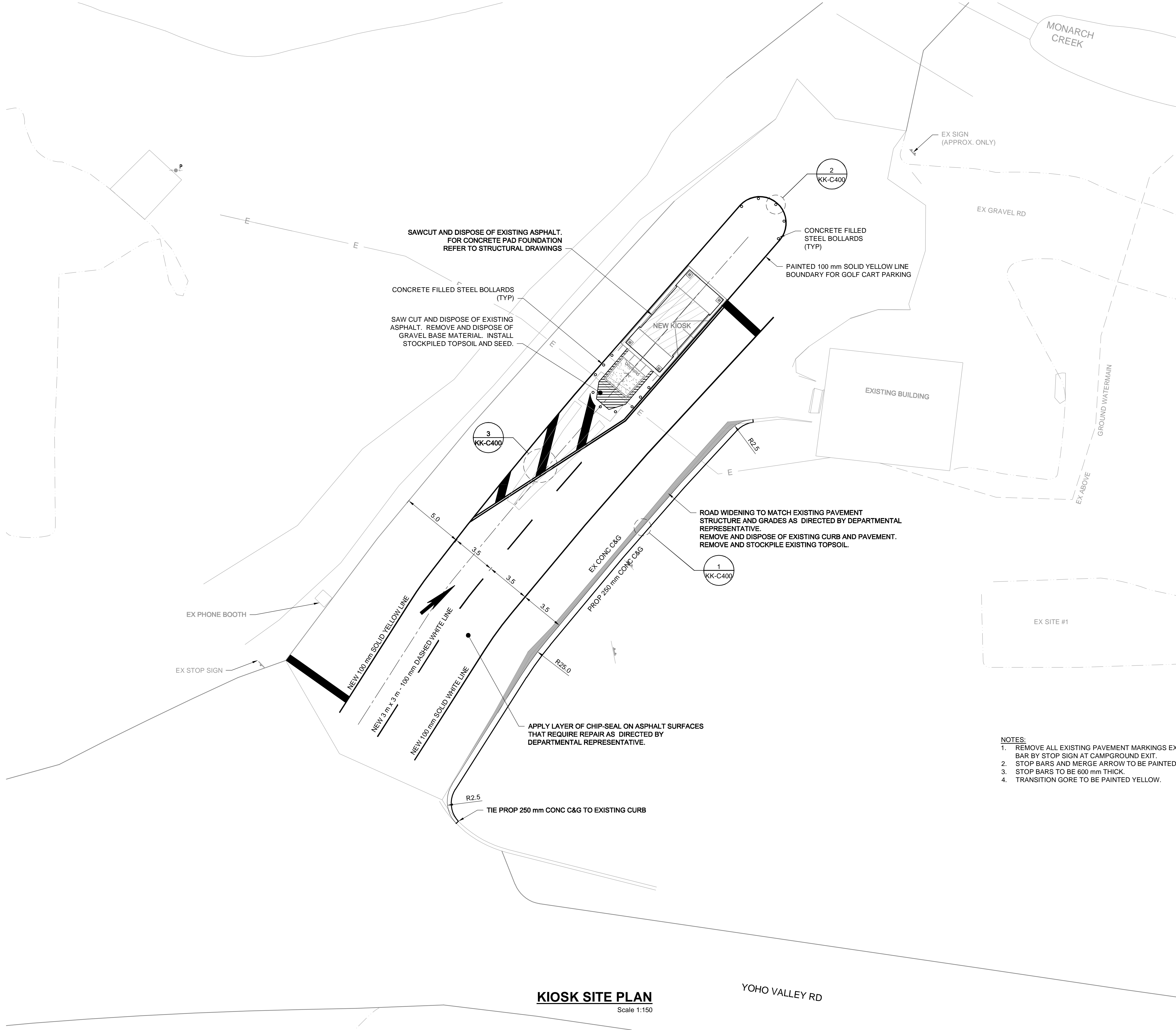
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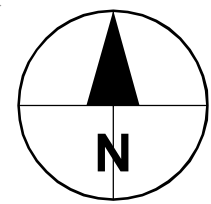
Parks Canada- Yoho Kiosk_Floor Plan& Elevations.DWG

Project Management Initials: _____ Designer: _____ Checked: _____ Approved: _____

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KIOSK SITE PLAN
Scale 1:150



Client

Parks Canada Agency

L'Agence Parcs Canada

Consultant

AECOM

300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Client

L'Agence Parcs Canada

Consultier

NOTICE:
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D	ISSUED FOR TENDER	18/JUN/18
C	ISSUED FOR 90% REVIEW	18/APR/09
B	ISSUED FOR 60% REVIEW	18/MAR/09
A	ISSUED FOR PRE-DESIGN MEMO	18/FEB/16
REVISIONS	DESCRIPTION	DATE

A

C

A detail number
number du detail

A

B

C

B source drawing no.
de dessin no.

C detail on drawing no.
detail sur dessin no.

project title

**KICKING HORSE
CAMPGROUND IMPROVEMENTS**

titre du projet

drawing title

**KIOSK
PROPOSED SURFACE WORKS
CIVIL SITE PLAN**

titre du dessin

designed by

conçu par

drawn by

dessiné par

approved by

approuvé par

PCA Project Manager

Kurt Devlin

Administrateur de Projets TPSGC

scale

AS NOTED

échelle

sheet

feuille

project no.

60551150

projet no.



KK-C100

date

JAN 2018



date

- NOTES:**
1. REMOVE ALL EXISTING PAVEMENT MARKINGS EXCEPT FOR SOUTH STOP BAR BY STOP SIGN AT CAMPGROUND EXIT.
 2. STOP BARS AND MERGE ARROW TO BE PAINTED WHITE.
 3. STOP BARS TO BE 600 mm THICK.
 4. TRANSITION GORE TO BE PAINTED YELLOW.

Client	Client
 Parks Canada Agency	L'Agence Parcs Canada
Consultant	Consulteur
	
300 - 48 Quarry Park Blvd. SE Calgary, Alberta T2C 5P2 Canada	

A circular professional engineer seal for K. A. Schneider, a British Engineer. The seal features the text "PROFESSIONAL ENGINEER OF BRITISH COLUMBIA" around the perimeter. In the center, it reads "K. A. SCHNEIDER" and "BRITISH ENGINEER". The year "1970" is stamped at the bottom. The seal is crossed out with a large, diagonal blue ink mark.



	<p>A detail number number du detail</p> <p>B source drawing no. de dessin no.</p> <p>C detail on drawing no. detail sur dessin no.</p>	
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YOHO NATIONAL PARK

designed by	concu par
-------------	-----------

drawn by	dessine par
----------	-------------

approved by	approuvé par
-------------	--------------

PCA Project Manager	Administrateur de Projets TPSGC
Kurt Devlin	

scale	echelle	sheet	feuille
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AS NOTED		KK C400
project no.	project no.	

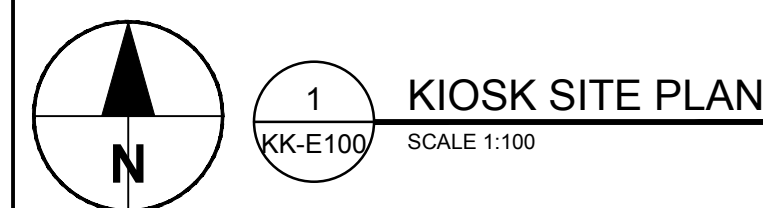
project no.	60551150	project no.	KK-C400
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date



MAR 2018

date

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SYMBOLS SHOWN ARE NOT TO SCALE. LOCATIONS SHOWN REFLECT DESIGN INTENT AND MUST BE COORDINATED WITH ALL OTHER TRADES.
3. CONTRACTOR TO REPLACE EXISTING STAFF BUILDING PANEL WITH A NEW 60A - 120/240V 8 CCT W/UNDER RATED PANEL. EXISTING CABLE FEEDS TO BE DISCONNECTED AND RECONNECTED TO NEW PANEL. NEW SERVICE GROUND TO BE INSTALLED AT THIS LOCATION.
4. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL NEW UNDERGROUND SECONDARY FEEDER FROM THE EXISTING STAFF BUILDING PANEL TO THE NEW KIOSK SUBPANEL.
5. CONTRACTOR TO COORDINATE WITH TELUS FOR THE KIOSK SERVICE.



C	ISSUED FOR TENDER	18/JUN/08
B	ISSUED FOR 90% REVIEW	18/APR/09
A	ISSUED FOR 60% REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE

	<p>A detail number number du détail</p> <p>B source drawing no. de dessin no.</p> <p>C detail on drawing no. détail sur dessin no.</p>	
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project title	titre du projet
<p>KICKING HORSE & MONARCH CAMPGROUND</p> <p>YOHO NATIONAL PARK</p>	

drawing title

titre du dessin

KIOSK
POWER, LIGHTING,
COMMUNICATIONS AND
SITE PLAN

designed by	JR	conçu par	
drawn by	RK	dessiné par	
approved by	RK	approuvé par	
PCA Project Manager Kurt Devlin		Administrateur de Projets TPSGC	
scale	AS SHOWN	echelle	feuille
project no.	60551150	proj. no.	WK-E100
date	MAR 2018	date	



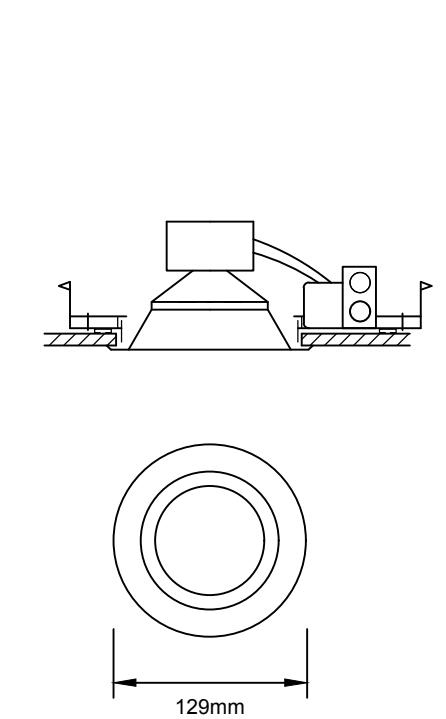
- ① REPLACE TWO EXISTING 1P15A BREAKERS WITH A NEW 2P50A BREAKER TO FEED THE NEW PANEL '2B' AT THE KIOSK.
- ② DISCONNECT AND MAKE SAFE. COORDINATE SCHEDULE WITH PARKS CANADA.

NAMEPLATE		PANEL '2B'				1 PH/3W/60Hz	
VOLTAGE		120/240V					
BUS AMPACITY		100		AMPS			
ENCLOSURE		EEMAC		RECESSED			
LOCATION				KIOSK			

CCT. No.	LOAD	BRKR	AMPS		AMPS		BRKR	LOAD	CCT. No.
			L1	L2	L1	L2			
1	RECEPTACLES - KIOSK	1P15A					1P15A	LIGHTING - KIOSK	2
3	DESK RECEPTACLES - KIOSK	1P15A					1P15A	LIGHTING - KIOSK EXTERIOR	4
5	DESK RECEPTACLES - KIOSK	1P15A					2P 15A	FORCE FLOW UNIT HEATER FFH-1	6
7	MICROWAVE RECEPTACLE - KIOSK	1P15A					2P 15A	FORCE FLOW UNIT HEATER FFH-2	8
9	FRIDGE RECEPTACLE - KIOSK	1P15A					2P 15A	FORCE FLOW UNIT HEATER FFH-2	10
11	WATER COOLER RECEPTACLE - KIOSK	1P15A					15A		12
13	AIR CONDITIONER - KIOSK	1P15A					1P15A	SPARE	14
15	SPARE	1P15A					1P15A	SPARE	16
17	SPARE	1P15A					1P15A	SPARE	18
19	SPARE	1P15A					1P15A	SPARE	20
21	SPARE	1P15A					1P15A	SPARE	22
23	SPARE	1P15A					1P15A	SPARE	24

NOTE: REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MOTOR EQUIPMENTS LISTED IN THE MOTOR CONTROL SCHEDULE.

1. INTERLOCK WITH LIGHT SWITCH OR OCCUPANCY SENSOR WITH TIMER TO RUN 15 MINUTES AFTER LIGHT IS OFF.
2. THERMOSTAT CONTROLLED.
3. HUMIDITY SENSING FAN TO RUN IF HUMIDITY IS ABOVE 60% RH (FIELD ADJUSTABLE).



LAMP TYPE: LED, 758 LUMENS, 13W, 3500K
LAMP QTY: -
MOUNTING: RECESSED
HOUSING: ALUMINUM
REFLECTOR: SPECULAR CLEAR
LENS: GLASS LENS, SEALED, SUITABLE FOR WET LOCATION AND STEAM ROOM

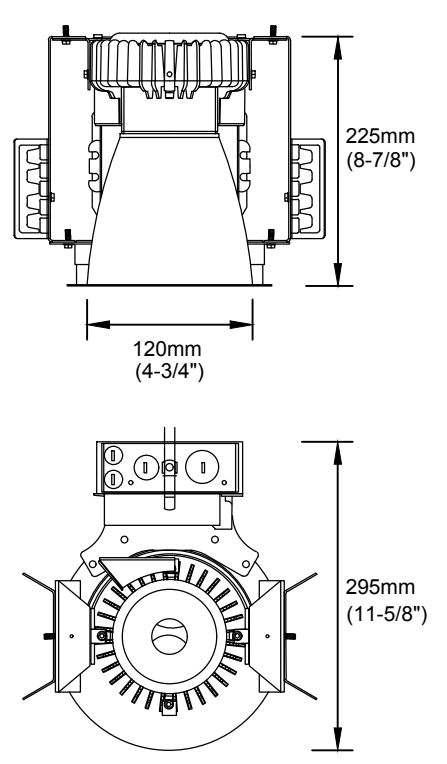
SPECIAL REQUIREMENT:
120V, INTEGRAL LED DRIVER, WET LOCATION SHOWER TRIM (DEAD FRONT), CSA

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
PHILIPS LIGHTOLIER LARA210UVA/L4R10835VA/L4RDD
HALO HAILO SERIES
GOTHAM EVO SHOWER SERIES
PRESCOLITE DBXL SERIES

OR APPROVED EQUIVALENT

LUMINAIRE SCHEDULE	TYPE No. 100
--------------------	------------------------



LAMP TYPE: LED, 1100 LUMENS, 12W, 3500K
LAMP QTY: -
MOUNTING: RECESSED
HOUSING: 4" OPEN DOWN LIGHT, DIE CAST ALUMINUM
REFLECTOR: CLEAR SPECULAR ALZAK
LENS: NONE

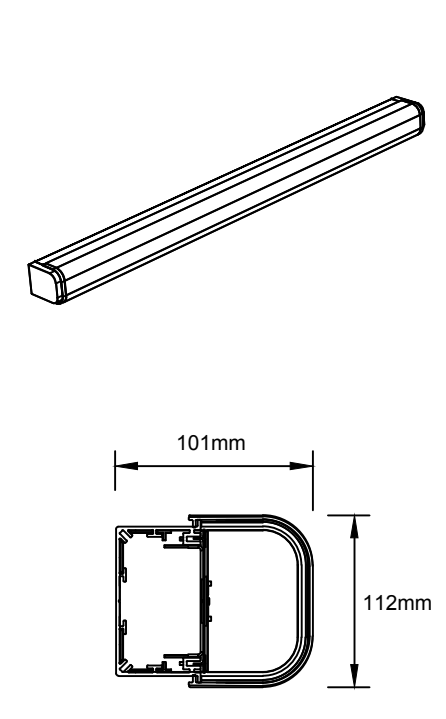
SPECIAL REQUIREMENT:
120V, OPEN DOWNLIGHT, 0-10V DIMMING LED DRIVER, WIDE DISTRIBUTION, CSA

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
LIGHTOLIER C4RN/CAL10835WZ10U/C4RDLCL
ATLANTIC LIGHTING LED4 SERIES
GOTHAM 4" EVO SERIES
PRESCOLITE LF4LED SERIES

OR APPROVED EQUIVALENT

LUMINAIRE SCHEDULE	TYPE No. 101
--------------------	------------------------



LAMP TYPE: LED, 600 LUMENS/FT., 5.62W/FT., 3000K
LAMP QTY: -
MOUNTING: WALL MOUNTED
HOUSING: EXTRUDED ALUMINUM
REFLECTOR: DIE FORMED SHEET STEEL
LENS: ACRYLIC SATIN FINISH

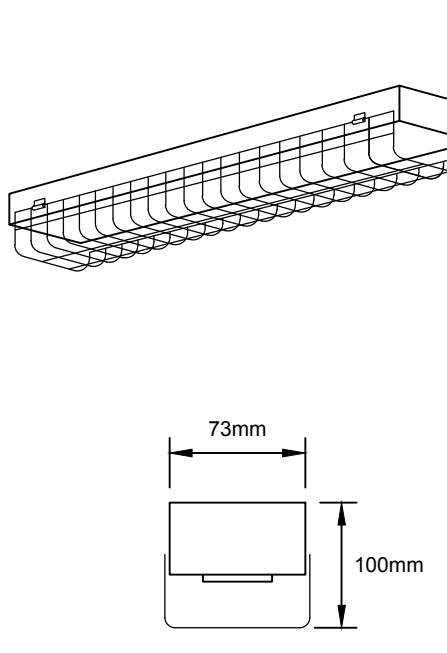
SPECIAL REQUIREMENT:
120V, 0-10V DIMMING DRIVER <10% THD, CSA

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
BIRCHWOOD LTG NOL-LED-325-HLO-30-4-SC-FW-120-D1-SM
AXIS LIGHTING AIR LED SERIES
ALW LIGHTPLANE 1 SERIES
LUMENWERX QUAD WIDE SERIES

OR APPROVED EQUIVALENT

LUMINAIRE SCHEDULE	TYPE No. 102
--------------------	------------------------



LAMP TYPE: LED, 5000 LUMENS, 41W, 3500K
LAMP QTY: -
MOUNTING: SURFACE OR SUSPENDED
HOUSING: STEEL, WHITE BAKED ENAMEL
REFLECTOR: -
LENS: -

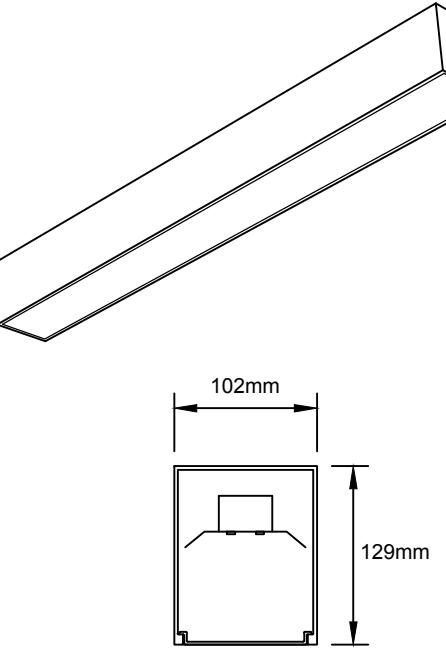
SPECIAL REQUIREMENTS:
120V, INTEGRAL LED DRIVER <10% THD, CW WIREGUARD, CSA

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
DAY-BRITE FSS440L835-UNV-DIMFSSWG4
LITHONIA ZL1D LED SERIES
METALUX SNLED SERIES
CFI FLUXSTREAM LF SERIES

OR APPROVED EQUIVALENT

LUMINAIRE SCHEDULE	TYPE No. 103
--------------------	------------------------



LAMP TYPE: LED, 4000 LUMENS, 35.5W, 3000K
LAMP QTY: -
MOUNTING: CEILING MOUNTED
HOUSING: EXTRUDED ALUMINUM
REFLECTOR: ALUMINUM
LENS: TRIMLESS WHITE ACRYLIC OVERLAY

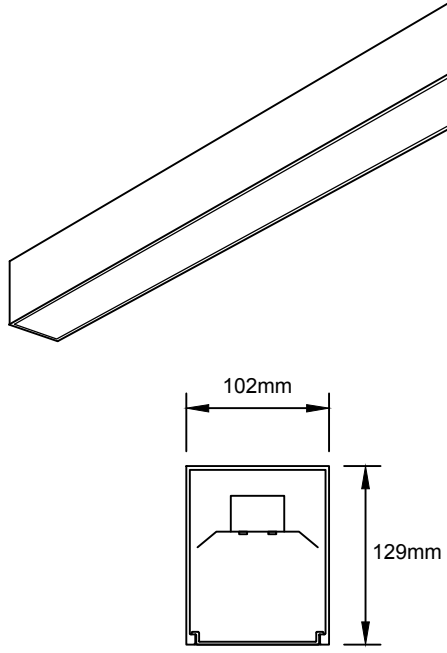
SPECIAL REQUIREMENT:
120V, 0-10V DIMMING DRIVER <10% THD, CSA

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
BIRCHWOOD LIGHTING KEL-LED-325-CLO300-30-4-SC-FW-120-D1-SM
LUMENWERX VIA 4 SERIES
AXIS LIGHTING BEAM4 LED SERIES
METALUMEN GRAND RM4D SERIES

OR APPROVED EQUIVALENT

LUMINAIRE SCHEDULE	TYPE No. 104
--------------------	------------------------



LAMP TYPE: LED, 3000 LUMENS, 26.5W, 3000K
LAMP QTY: -
MOUNTING: CEILING MOUNTED
HOUSING: EXTRUDED ALUMINUM
REFLECTOR: ALUMINUM
LENS: TRIMLESS WHITE ACRYLIC OVERLAY

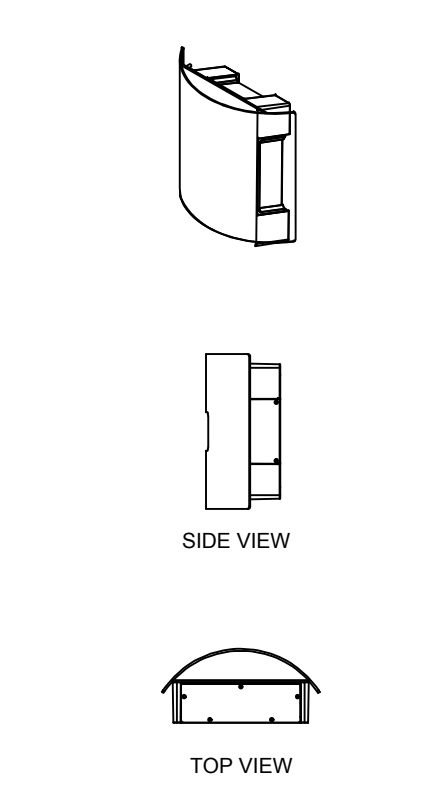
SPECIAL REQUIREMENT:
120V, 0-10V DIMMING DRIVER <10% THD, CSA

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
BIRCHWOOD LIGHTING KEL-LED-325-CLO250-30-4-SC-FW-120-D1-SM
LUMENWERX VIA 4 SERIES
AXIS LIGHTING BEAM4 LED SERIES
METALUMEN GRAND RM4D SERIES

OR APPROVED EQUIVALENT

LUMINAIRE SCHEDULE	TYPE No. 105
--------------------	------------------------



LAMP TYPE: LED, 2500 LUMENS, 25W, 3000K
LAMP QTY: -
MOUNTING: EXTERIOR SURFACE MOUNTED
HOUSING: CAST ALUMINUM, BLACK FINISH

REFLECTOR: -
LENS: CLEAR ACRYLIC

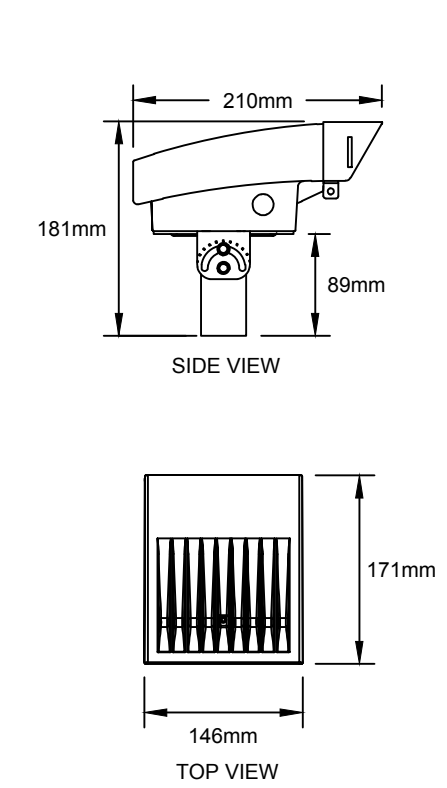
SPECIAL REQUIREMENT:
• 120V
• RADIUS/CURVE FASCIA, FOUR SQUARE
• 90% DOWN 10% UP
• TYPE III DISTRIBUTION FOR DOWNLIGHT
• IP66 RATED, CSA
• STATIC WHITE LUMINOUS FRONT

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
HUBBELL CYPHER - CY1

OR APPROVED EQUIVALENT

LUMINAIRE SCHEDULE	TYPE No. 200
--------------------	------------------------



LAMP TYPE: LED, 1000 LUMENS, 12W, 4000K
LAMP QTY: -
MOUNTING: KNUCKLE MOUNTED
HOUSING: CAST ALUMINUM FINISHED COLOR TO MATCH MOUNTING PANEL

REFLECTOR: -
LENS: TEMPERED GLASS

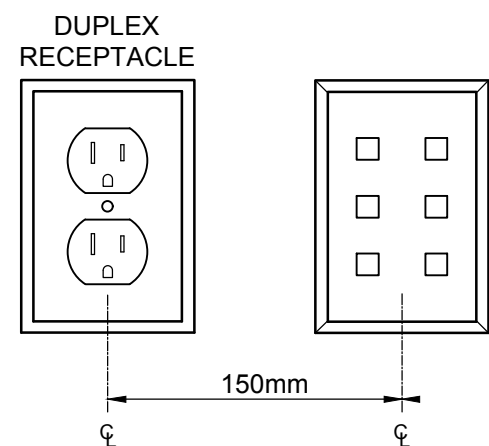
SPECIAL REQUIREMENT:
120V, IP66 RATED FOR EXTERIOR USE, CSA

Products are listed to establish reference standards. For approval of equivalents refer to General Conditions of specification.

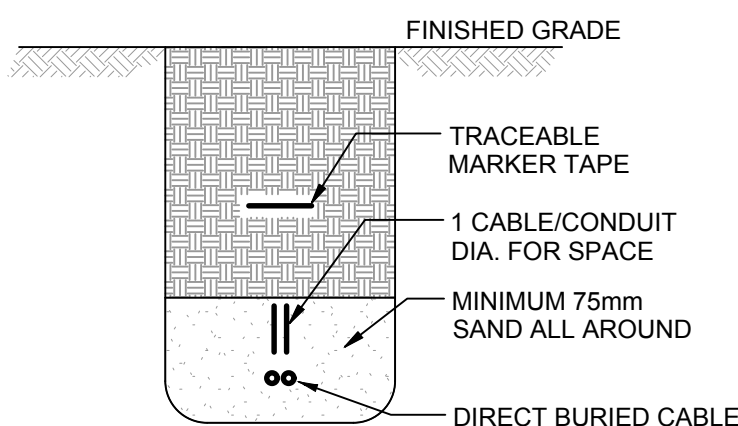
ACCEPTABLE PRODUCTS:
MANUFACTURER PART No.
SOLUTIONS FOR LTG LSWPCA12W-4K
EATON XTOR CROSSTOUR LED SERIES

OR APPROVED EQUIVALENT

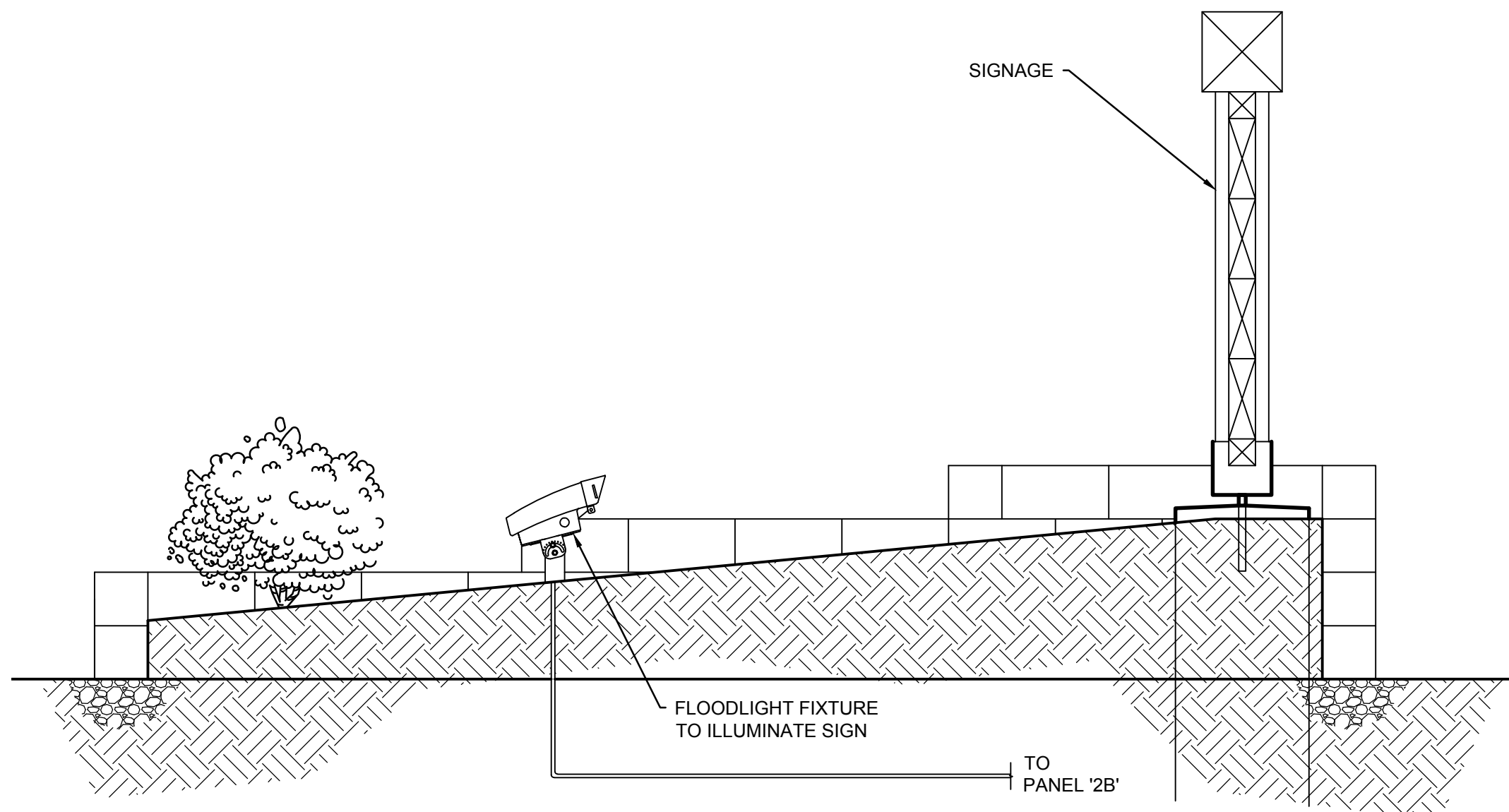
LUMINAIRE SCHEDULE	TYPE No. 201
--------------------	------------------------



NOTE:
REFER TO SPECIFICATION FOR COVER TYPES.



NOTE:
TYPICAL FOR BURIED BRANCH CABLE



1 TYPICAL OUTLET MOUNTING DETAIL
SCALE N.T.S.

2 TRENCH DETAIL
SCALE N.T.S.

3 SIGNAGE ILLUMINATION DETAIL
SCALE N.T.S.

Client

 Parks Canada Agency

Client

L'Agence Parcs Canada

Consultant



101 - 18817 Stony Plain Rd NW
Edmonton, Alberta
Canada

Conseiller



C	ISSUED FOR TENDER	18/JUN/08
B	ISSUED FOR 90% REVIEW	18/APR/09
A	ISSUED FOR 60% REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE

A

C

A detail number
number du detail
B source drawing no.
de dessin no.
C detail on drawing no.
detail sur dessin no.

A

B

C

project title
KICKING HORSE & MONARCH CAMPGROUND
titre du projet

YOH0 NATIONAL PARK

drawing title
LUMINAIRE SCHEDULE AND DETAILS
titre du dessin

designed by
JR
conçu par

drawn by
RK
dessiné par

approved by
JR
approuvé par

PCA Project Manager
Kurt Devlin
Administrateur de Projets TPSGC

scale
AS SHOWN
échelle

sheet
KK-E401
feuille

project no.
60551150
projet no.

date
MAR 2018
date

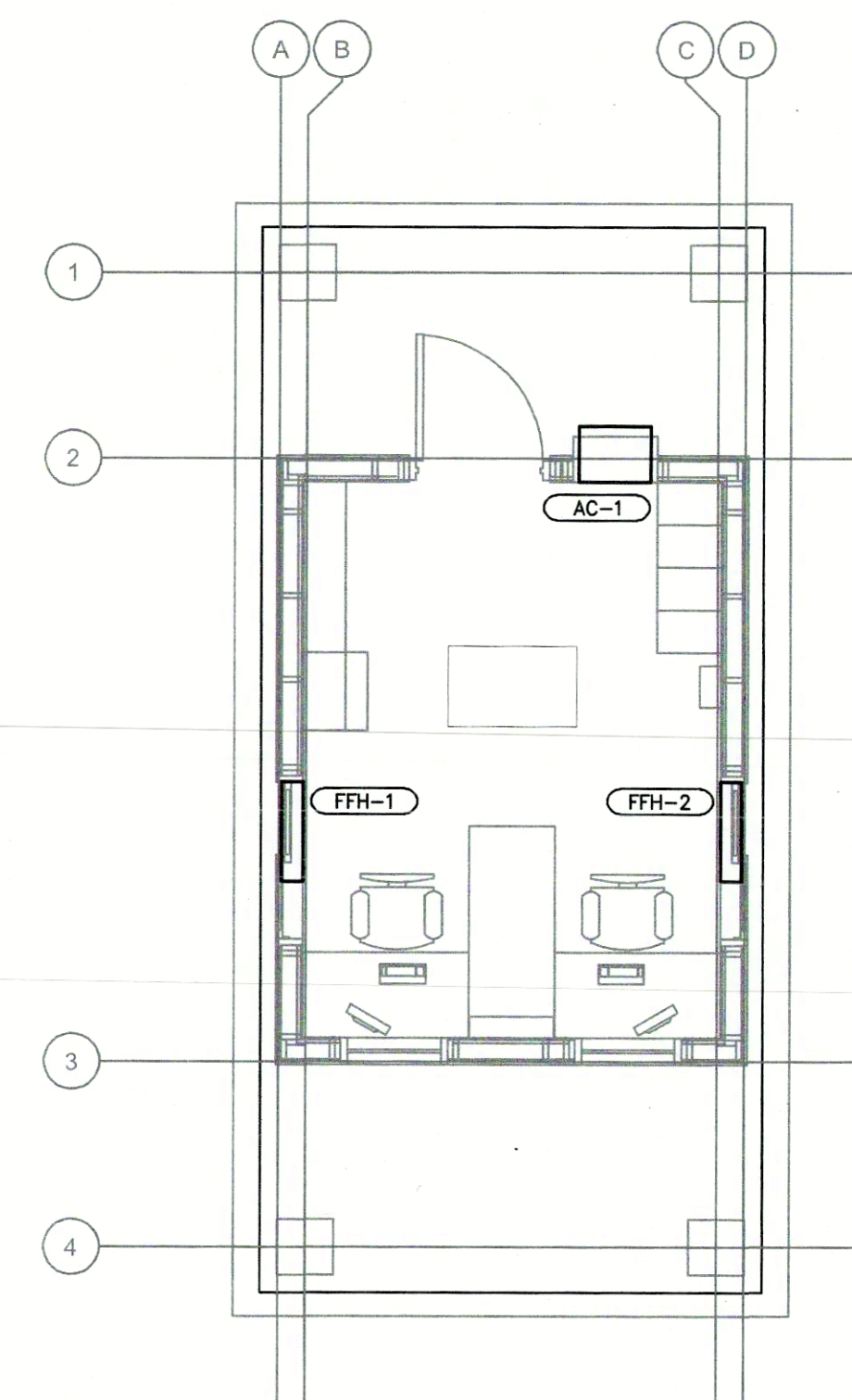
AIR CONDITIONING UNIT SCHEDULE												
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL	COOLING CAPACITY (kW)	AIR DATA		ELECTRICAL DATA			DIMENSIONS W x D x H (mm)	NOTES
						FLOW (L/s)	P.D. (Pa)	LOAD (kW)	POWER LINE CONNECTION (A)	VOLTAGE (V / Ph / Hz)		
AC-1		ENTRY KIOSK	FRIGIDAIRE	FFRE0833U1	2	100	-	1	6	120/1/60	530 x 400 x 325	1,2,3

Notes:

1. INTEGRAL THERMOSTAT, THROUGH WALL UNIT PROVIDED WITH FRAME.

2. ULC LISTED.

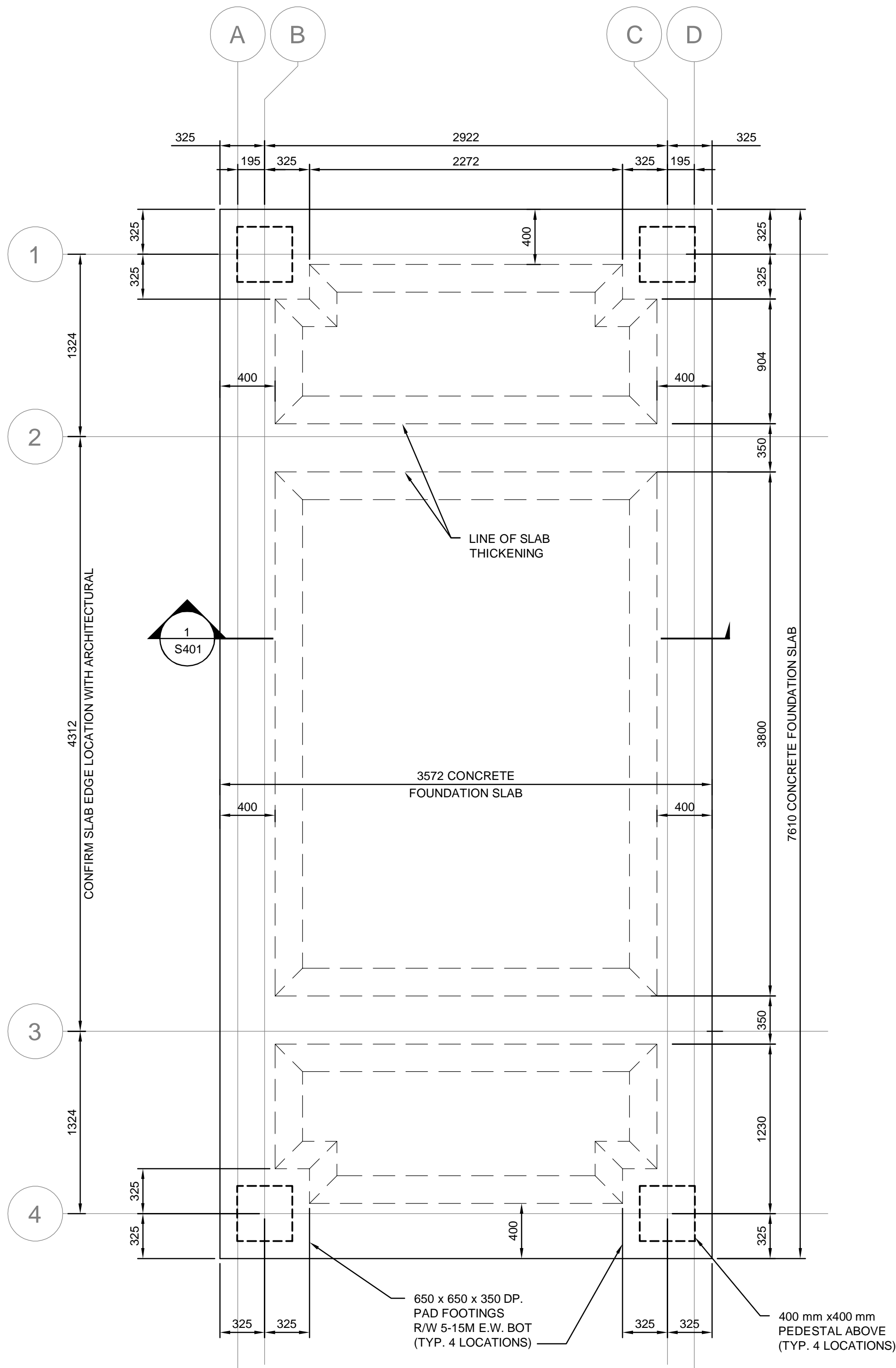
3. REFRIGERANT R410a OR OTHER LOW IMPACT EQUIVALENT.



GENERAL NOTE:

1. NATURAL VENTILATION VIA OPERABLE WINDOWS
WILL BE USED TO VENTILATE THE SPACE.

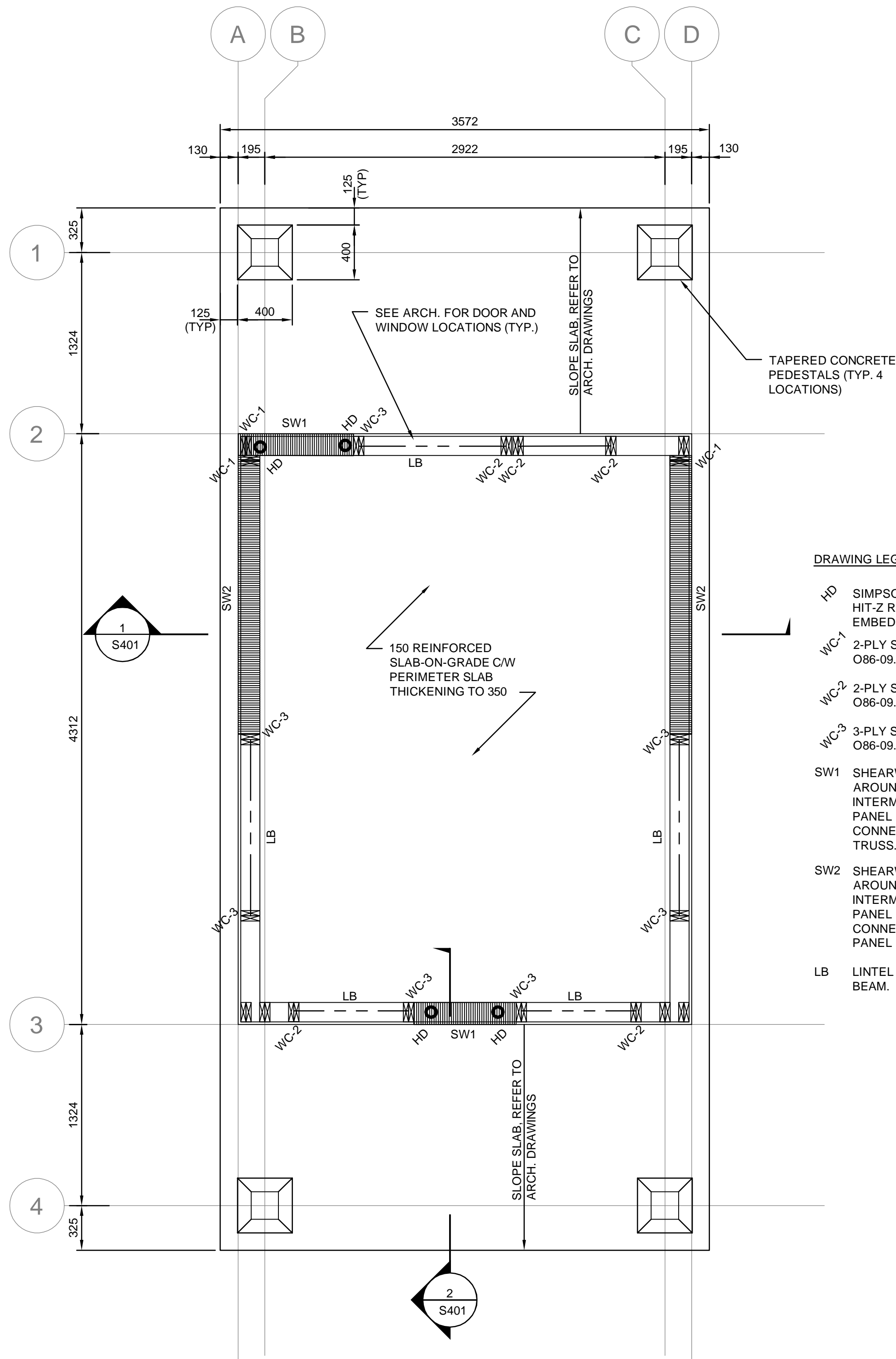
1 MAIN FLOOR PLAN - HEATING AND AIR CONDITIONING
KK-M100 1:50



1 FOUNDATION/SLAB PLAN
S-K101 1:25

DRAWING NOTES:

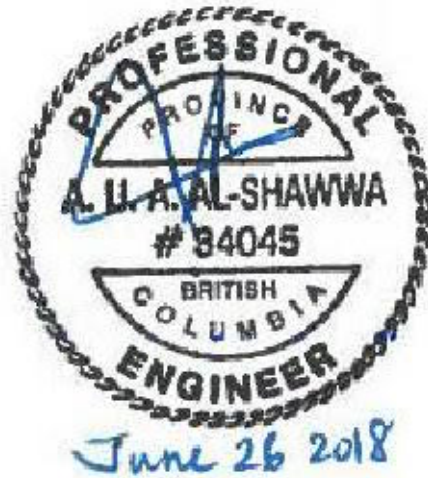
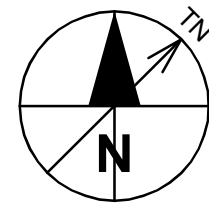
1. ALL ELECTRICAL / MECHANICAL SERVICE LINES AND CONDUITS TO ENTER THROUGH THE FLOOR MUST BE LOCATED BELOW THE CONCRETE FLOOR SLAB AND BE ENCASED WITH CONCRETE.



2 FLOOR FRAMING PLAN
S-K101 1:25

TYPICAL SHEAR WALL NOTES:

1. USE 8d COMMON NAILS FOR PANEL EDGE AND INTERIOR NAILING; LENGTH 64mm (2-1/2"), MINIMUM DIAMETER 3.25mm (0.128").
2. NAIL SPACING INDICATED IN SCHEDULE IS FOR HAND DRIVEN COMMON NAILS. POWER DRIVEN NAILS OF MATCHING LENGTH AND DIAMETER ARE ACCEPTABLE. ALTERNATE LENGTH/DIAMETER MUST BE APPROVED IN WRITING BY AECOM PRIOR TO INSTALLATION.
3. SHEATHING INDICATED IS REQUIRED FOR STRUCTURAL INTEGRITY. ADDITIONAL SHEATHING AND BLOCKING MAY BE REQUIRED, REFER TO ARCHITECTURAL DRAWINGS.
4. INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY, WITH JOINTS STAGGERED AT 1200mm O/C.
5. SUPPORT ALL VERTICAL PANEL EDGES WITH FULL HEIGHT WALL STUDS AND HORIZONTAL PANEL EDGES WITH MINIMUM 38x89 (2x4) BLOCKING LAID FLAT.
6. STAGGER NAILS FROM ADJACENT PANELS TO SAME STUD.



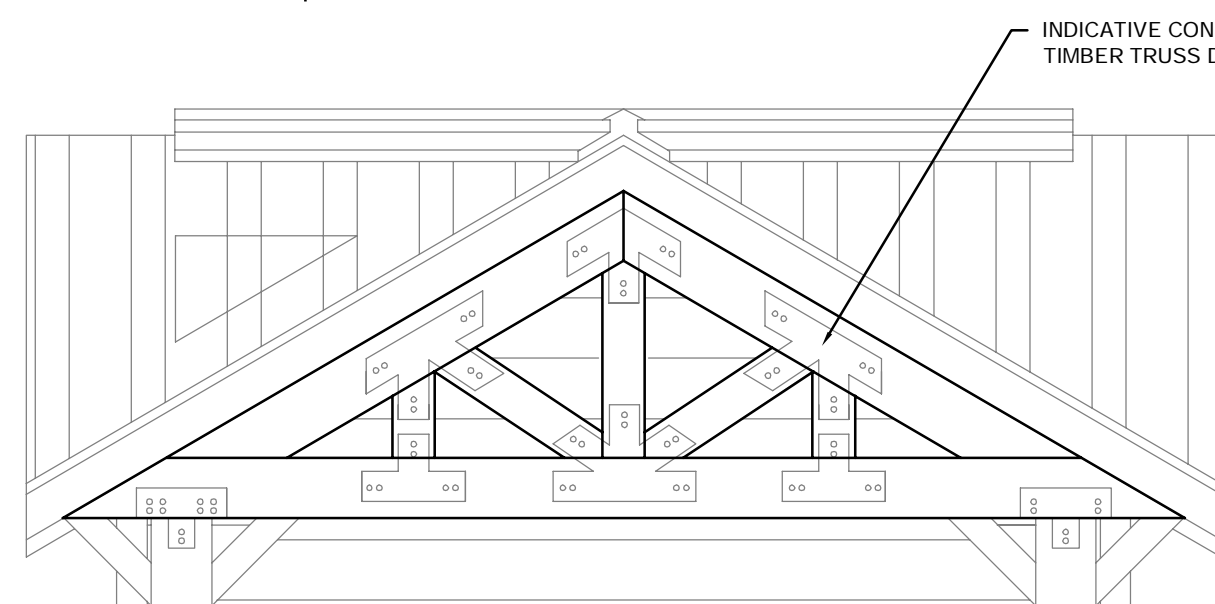
C	ISSUED FOR TENDER	2018 JUNE 08
B	ISSUED FOR 90% REVIEW	2018 APR. 25
A	ISSUED FOR 60% CLIENT REVIEW	2018 MAR. 09
REVISIONS	DESCRIPTION	DATE

A	detail number	
B	source drawing no.	
C	detail on drawing no.	

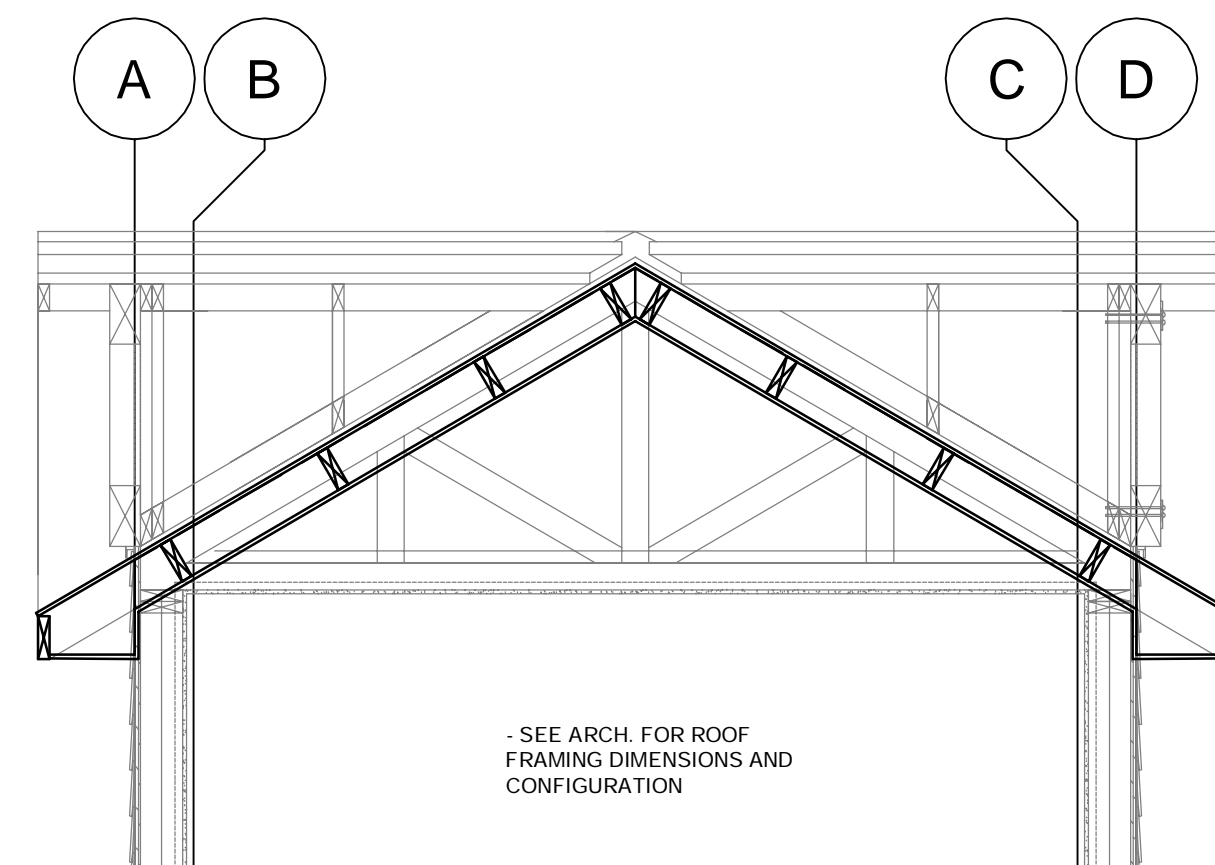
project title	KICKING HORSE & MONARCH CAMPGROUND	titre du projet
designed by	conçu par	
drawn by	dessiné par	
approved by	approuvé par	
PCA Project Manager	Kurt Devlin	Administrateur de Projets TPSGC
scale	échelle	sheet
project no.	60551150	projet no.
date	MAR 2018	date

drawing title	ENTRY KIOSK FOUNDATION PLAN FLOOR FRAMING PLAN	titre du dessin
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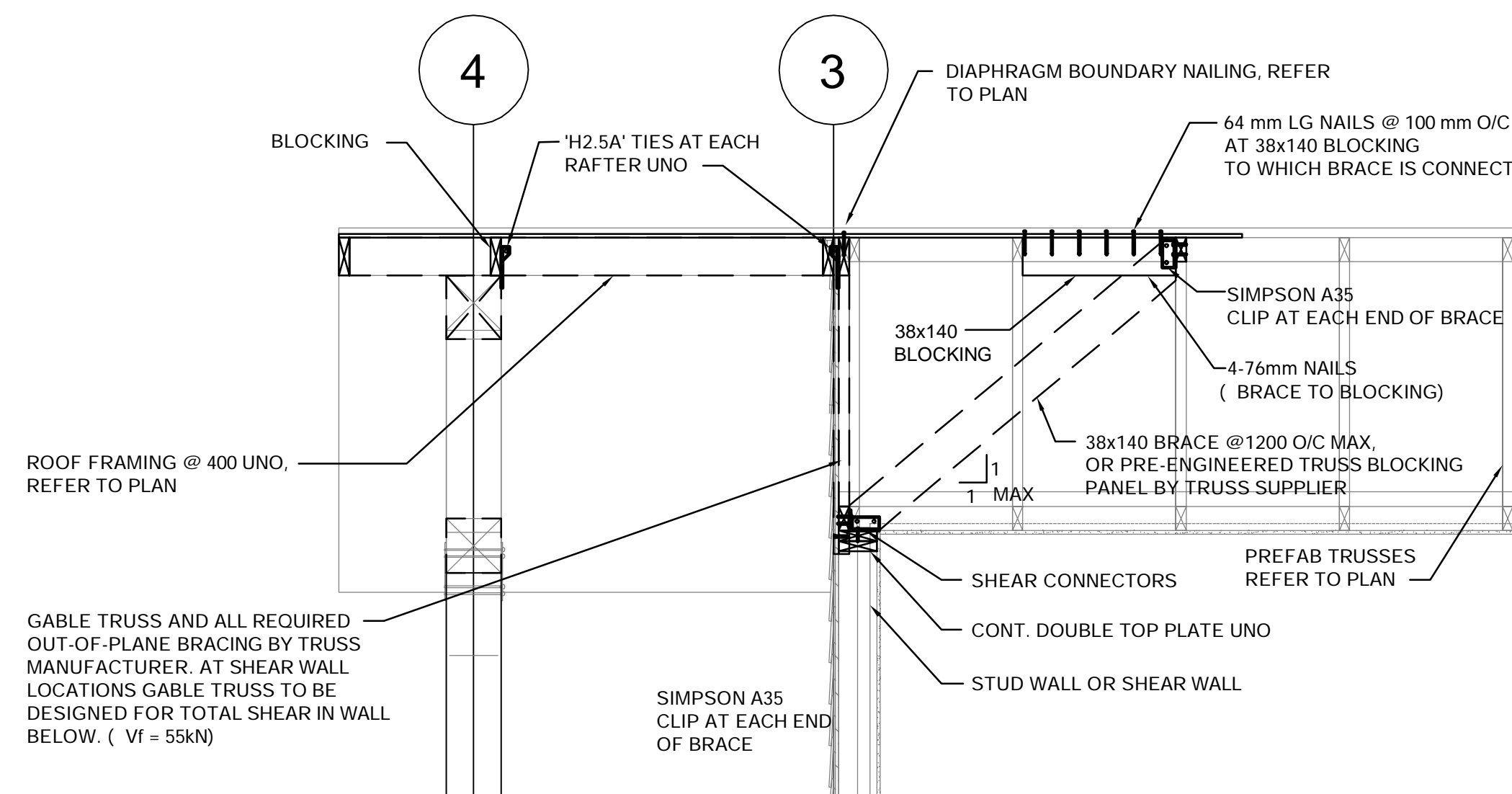
designed by	conçu par
drawn by	dessiné par
approved by	approuvé par
PCA Project Manager	Kurt Devlin
scale	échelle
project no.	60551150
date	MAR 2018



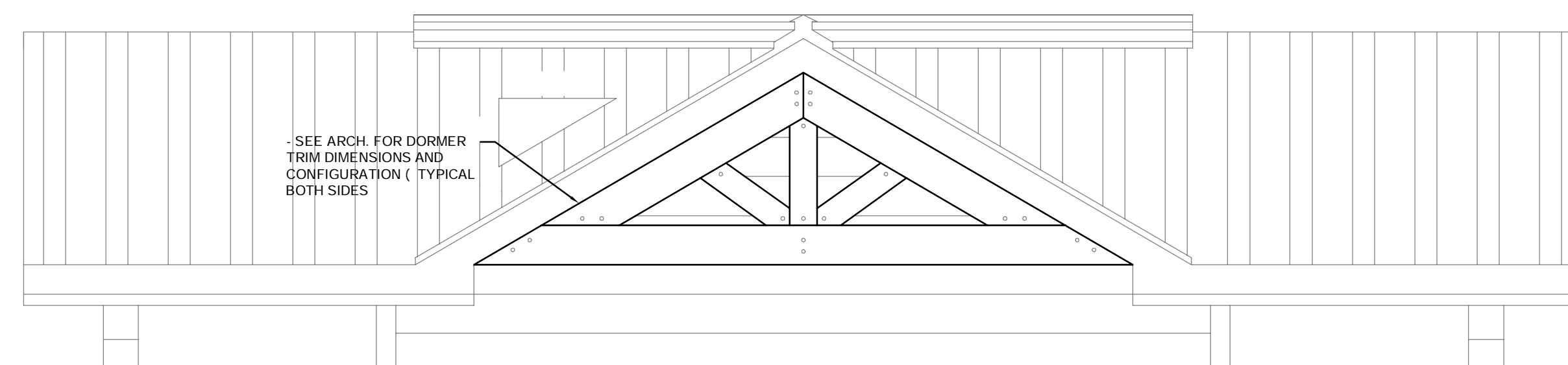
S102	1:2
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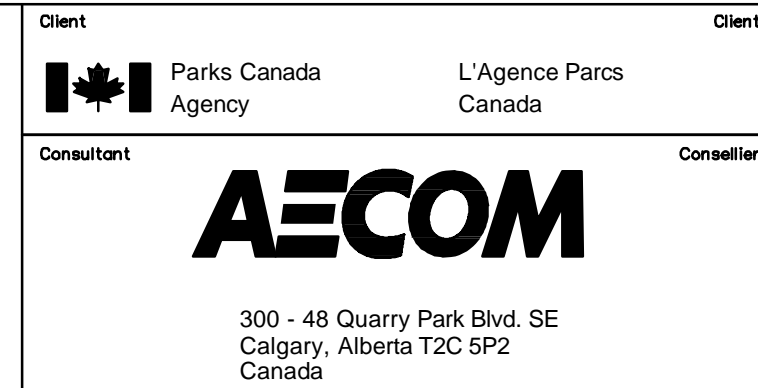
S102 1:25



S102	1:20
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S102	1:2
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NOTE:
AS PER GENERAL NOTES, PREFABRICATED WOOD TRUSSES SHOWN ON THE DRAWINGS TO BE DESIGNED WITH CONSIDERATION OF TRANSPORT, FABRICATION AND ERECTION, UNDER PART 4 OF THE BRITISH COLUMBIA BUILDING CODE AND IN ACCORDANCE WITH CSA 086. SUBMIT SHOP DRAWINGS FOR REVIEW, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA.



C	ISSUED FOR TENDER	2018 JUN. 08
B	ISSUED FOR 90% REVIEW	2018 APR. 25
A	ISSUED FOR 60% CLIENT REVIEW	2018 MAR. 09
REVISIONS	DESCRIPTION	DATE

	<p>A detail number number du détail</p> <p>B source drawing no. de dessin no.</p> <p>C detail on drawing no. détail sur dessin no.</p>	
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project title	titre du projet
---------------	-----------------

KICKING HORSE & MONARCH CAMPGROUND

YOHO NATIONAL PARK

drawing title	titre du dessin
---------------	-----------------

**ENTRY KIOSK
ROOF FRAMING PLAN
NOTES & DETAILS**

designed by	concu par
-------------	-----------

drawn by _____ dessine par _____

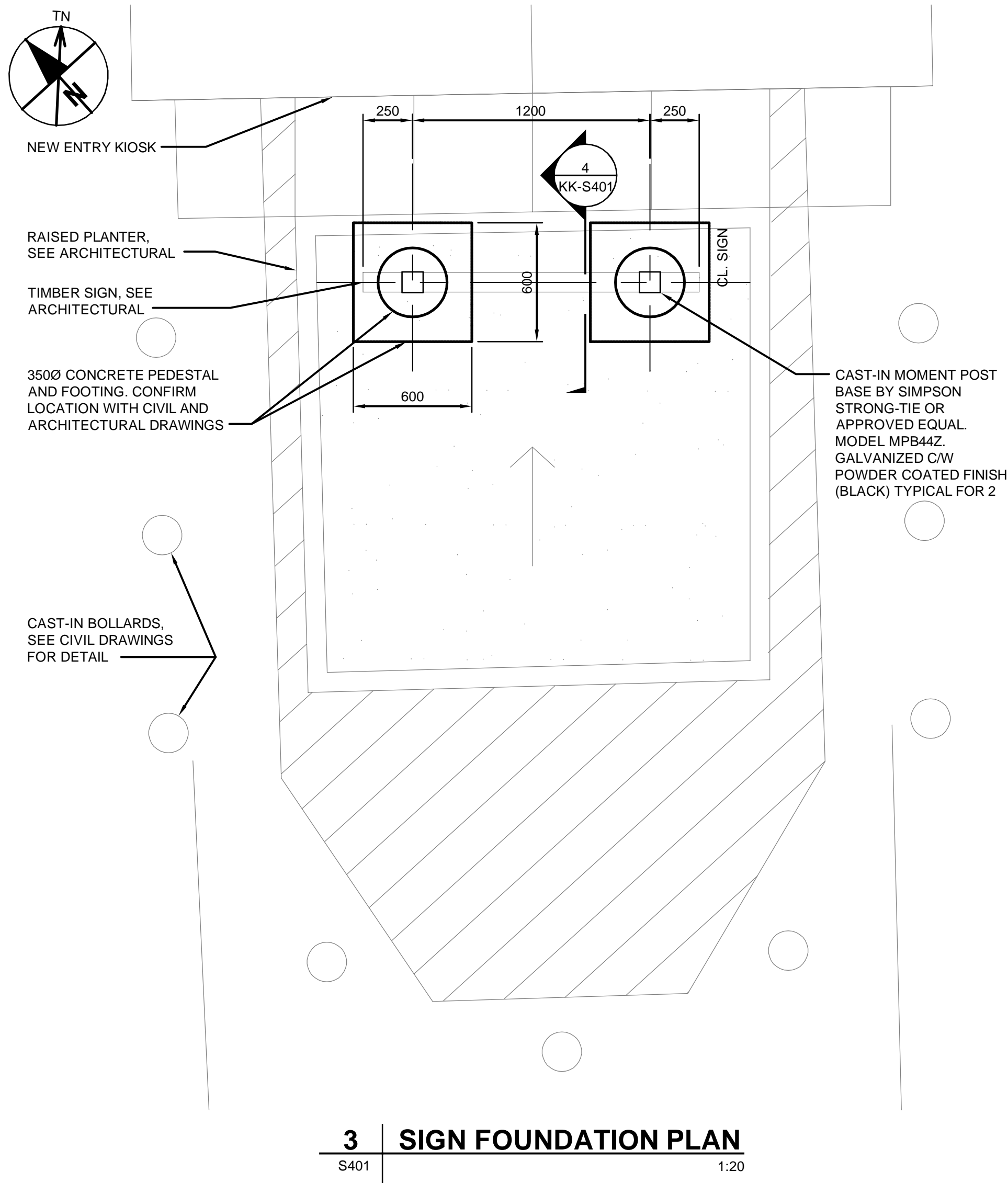
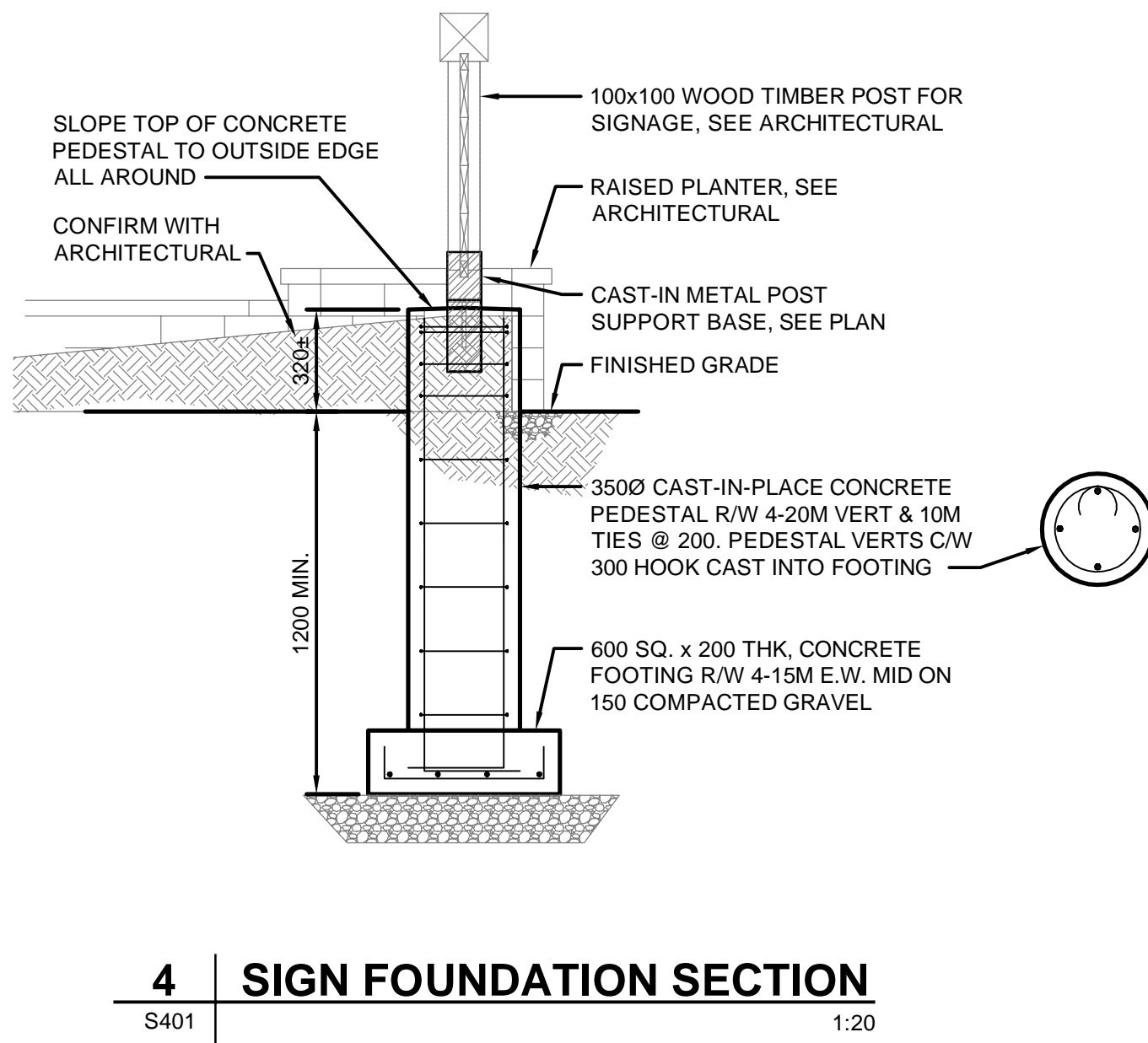
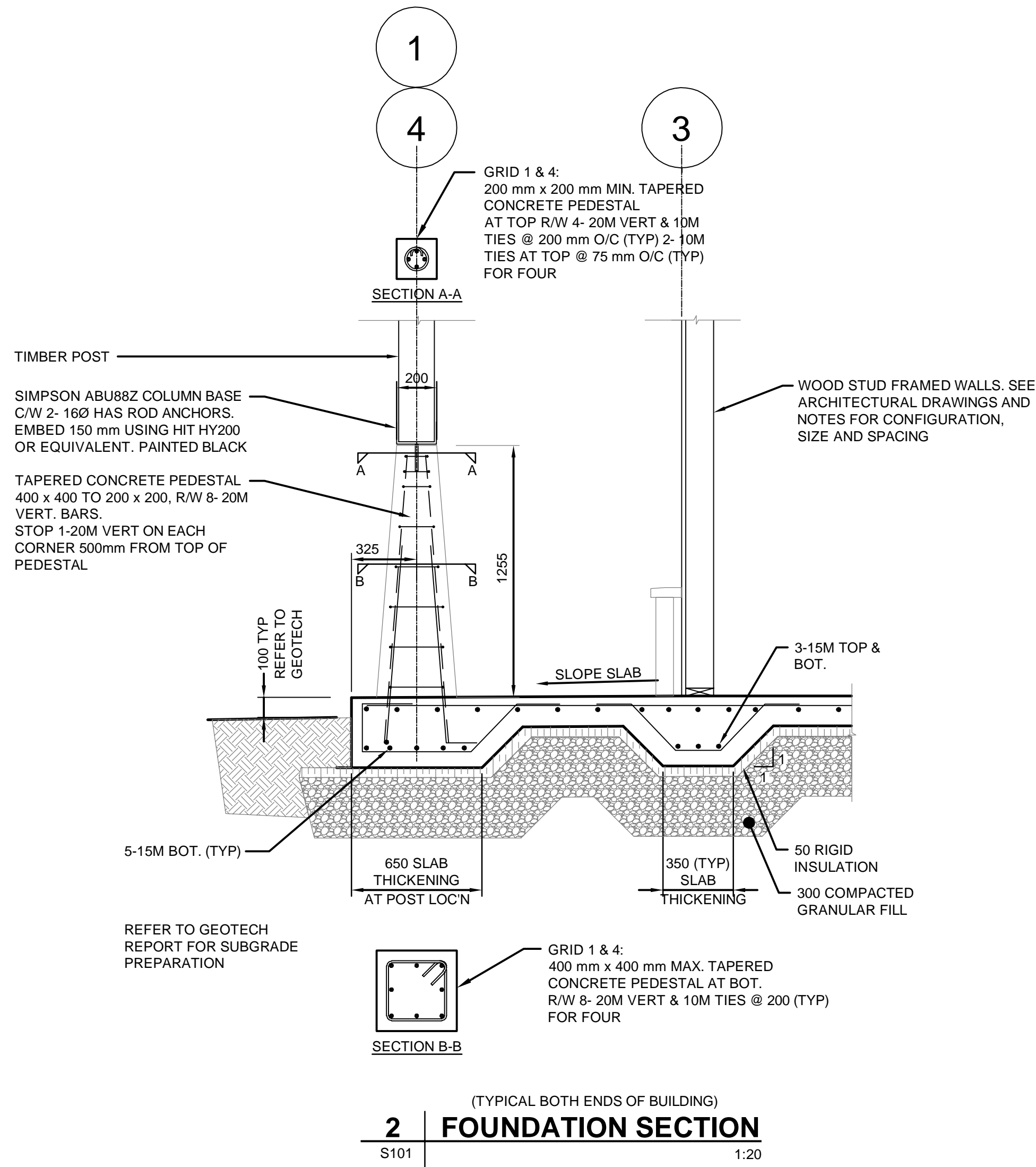
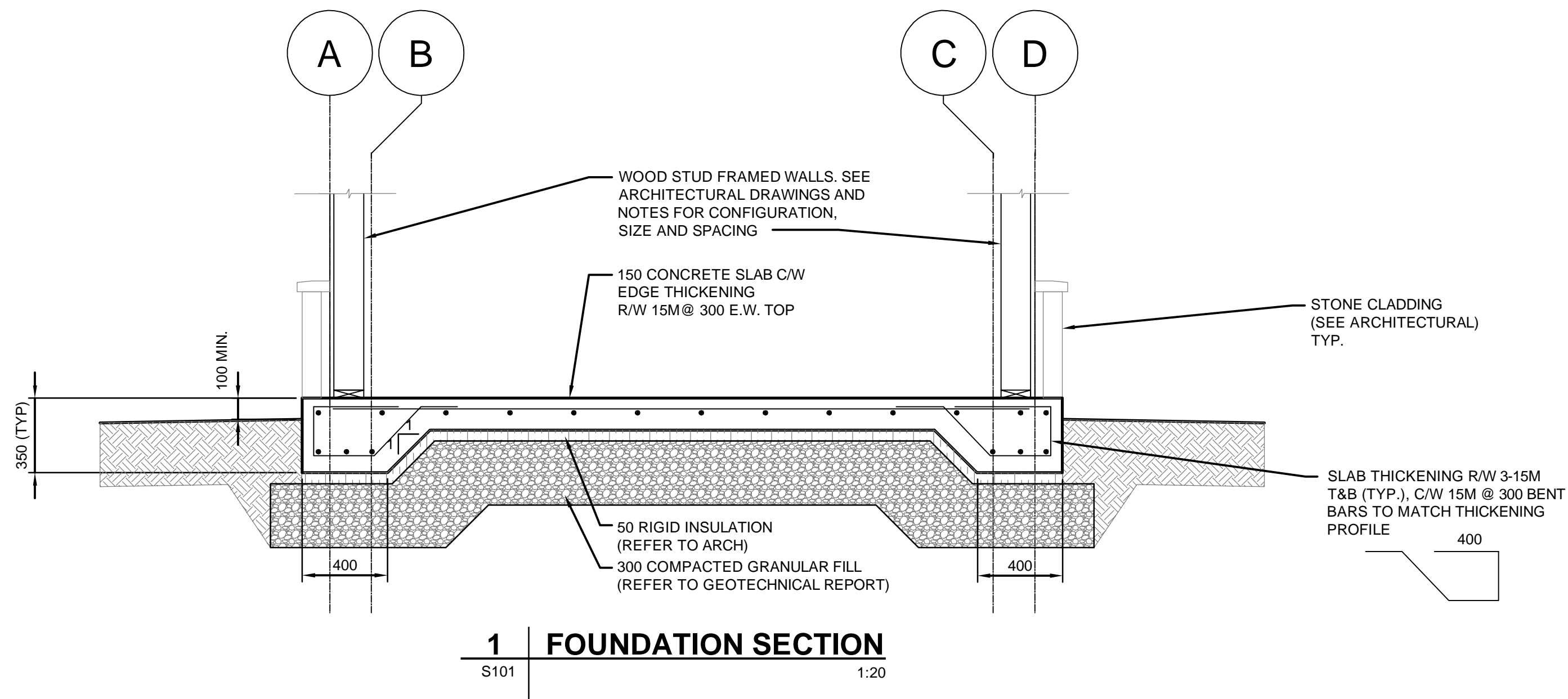
approved by	approuvé par
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PCA Project Manager	Administrateur de Projets TPSGC
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scale	echelle	sheet	feuille
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project no.	projct no.	KK-S102
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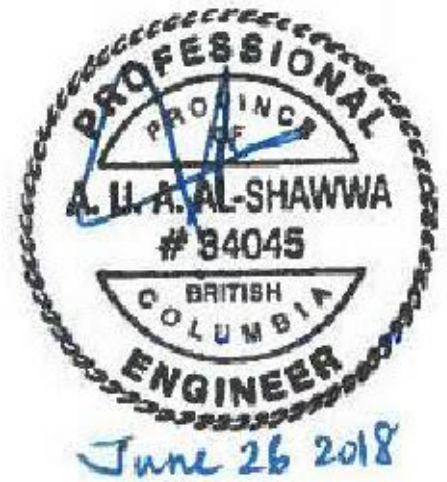
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Client: Parks Canada Agency / L'Agence Parcs Canada

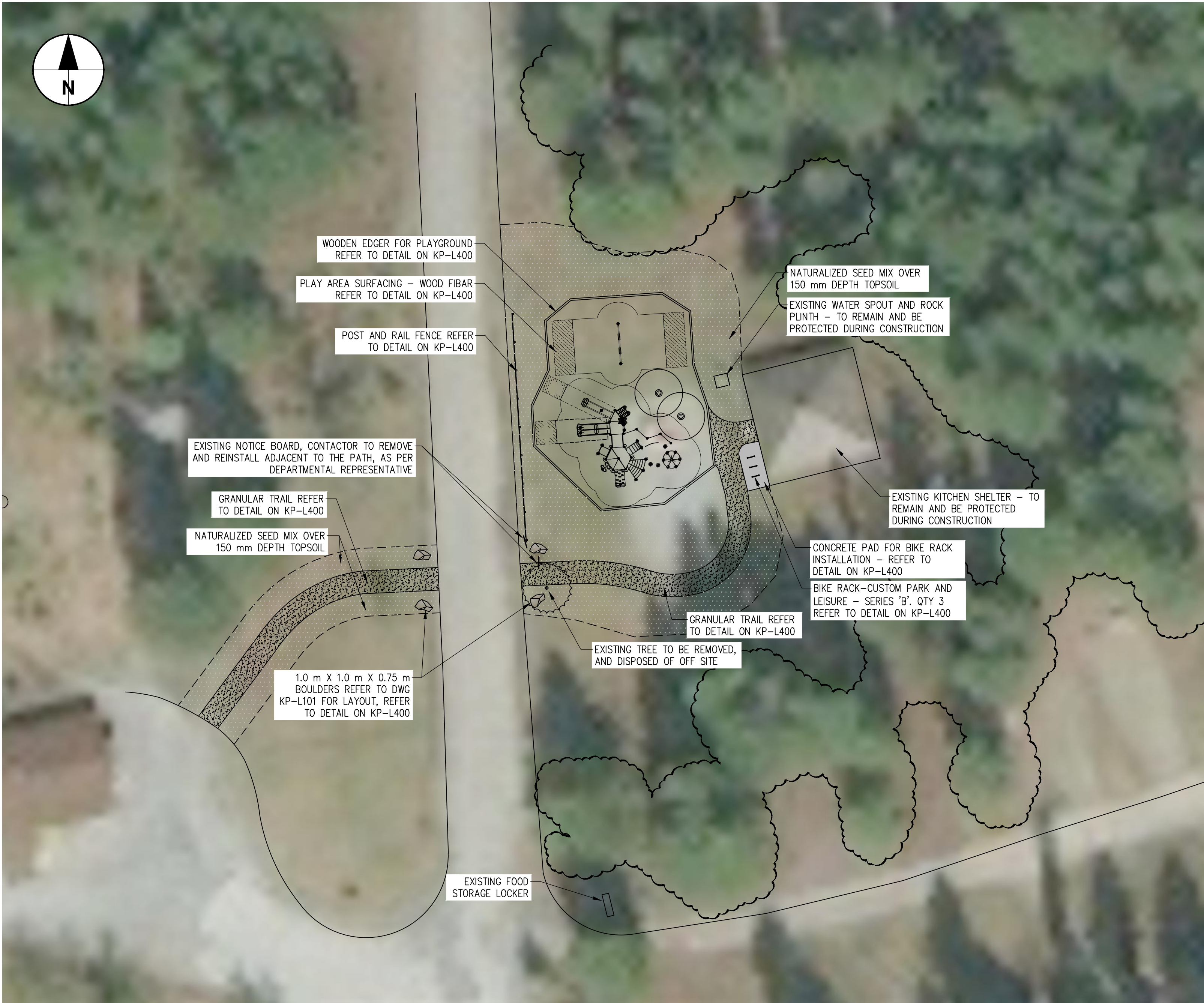
Consultant: **AECOM**

300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada



C	ISSUED FOR TENDER	2018 JUNE 08
B	ISSUED FOR 90% REVIEW	2018 APR. 25
A	ISSUED FOR 60% CLIENT REVIEW	2018 MAR. 09
REVISIONS	DESCRIPTION	DATE
<div><div><div>A</div><div>C</div></div><div>A detail number number du detail</div></div> <div><div><div>A</div><div>B</div><div>C</div></div><div>B source drawing no. de dessin no.</div></div> <div><div><div>A</div><div>B</div><div>C</div></div><div>C detail on drawing no. detail sur dessin no.</div></div>		

project title		titre du projet
<div>KICKING HORSE & MONARCH CAMPGROUND</div>		
<div>YOHO NATIONAL PARK</div>		
drawing title		titre du dessin
<div>ENTRY KIOSK SECTION DETAILS AND NOTES</div>		
designed by	conçu par	
drawn by	dessiné par	
approved by	approuvé par	
PCA Project Manager		
Administrateur de Projets TPSGC		
Kurt Devlin		
scale	échelle	sheet feuille
project no.	project no.	KK-S401
date	date	
MAR 2018		



KICKING HORSE PLAYGROUND

Scale: 1:250

LEGEND

- EXISTING KITCHEN SHELTER C/W WOOD STOVE (~8.0 m x ~6.0 m)
- EXISTING TREE STAND/VEGETATION -RETAIN AND PROTECT
- POST AND RAIL FENCE
- RELOCATED NOTICE BOARD / SIGN
- EXISTING TREE TO BE REMOVED
- NEW BOULDERS
- GRANULAR TRAIL
- NATURALIZED SEED AREA

NOTES:

- GENERAL**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WRITTEN SPECIFICATIONS, DRAWINGS AND DETAILS FOR THIS PROJECT.
 - ANY AMBIGUITY IN THIS DRAWING OR ACCOMPANYING DETAILS IS TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE FOR DIRECTION. THE CONTRACTOR IS NOT TO PROCEED IN UNCERTAINTY.
 - LIMITS OF THE WORK ARE TO BE CLEARLY UNDERSTOOD BY THE CONTRACTOR PRIOR TO ANY WORK TAKING PLACE ON SITE. THE CONTRACTOR IS TO CONTACT THE DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION IF REQUIRED.
 - THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO DEPARTMENTAL REPRESENTATIVE.
 - ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
- SITE WORK**
- NO EXISTING BOULDERS ON SITE, CONTRACTOR TO SUPPLY AND INSTALL 4 BOULDERS.
 - CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FOR REUSE IN SEED AND PLANT AREAS. SUPPLEMENT WITH IMPORTED TOPSOIL APPROVED BY THE DEPARTMENTAL REPRESENTATIVE. TOPSOIL TO BE WEED FREE CONTRACTOR TO PROVIDE CERTIFICATION TO DEPARTMENTAL REPRESENTATIVE.
 - CONTRACTOR TO CALL BRITISH COLUMBIA ONE CALL AT 1-800-474-6886, AND ALL OTHER UTILITIES, AS REQUIRED, TO HAVE EXISTING UTILITIES LOCATED PRIOR TO START OF ANY CONSTRUCTION.
 - CONTRACTOR IS TO VISIT THE SITE TO CONFIRM ALL SITE CONDITIONS PRIOR TO SUBMITTING BIDS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION.
 - CONTRACTOR IS RESPONSIBLE FOR THE HOARDING OF ALL TREES WITHIN OR ADJACENT TO CONSTRUCTION AREAS, TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.
 - CONTRACTOR IS RESPONSIBLE FOR HAULING OF ALL EXCESS MATERIALS OFF THE SITE TO A LOCATION APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
 - CONTRACTOR IS RESPONSIBLE FOR GENERAL SITE CLEANUP.
 - CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO LANDSCAPED AREAS AND MUST MAKE ALL NECESSARY RESTORATIONS AND REPAIRS, TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.
 - FINAL LOCATION OF ALL TRAIL AND SITE FURNISHINGS WILL BE CONFIRMED ON SITE WITH THE DEPARTMENTAL REPRESENTATIVE.

- PERMITS AND STANDARDS**
- ALL ANCILLARY WORK NORMALLY ASSOCIATED WITH THIS TYPE OF CONSTRUCTION SHALL BE DEEMED TO BE PART OF THE CONTRACT.
- MATERIALS**
- THE CONTRACTOR SHALL SUPPLY ALL MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS. ANY DISCREPANCIES IN QUANTITIES SHALL BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE FOR DIRECTION.
 - NO SUBSTITUTION OF MATERIAL, PRODUCTS OR QUANTITIES SHALL BE PERMITTED WITHOUT PRIOR CONSENT OF THE DEPARTMENTAL REPRESENTATIVE.

SEED MIX

BOTANICAL NAME	COMMON NAME	PERCENTAGE
AGROSTIS SCABRA	TICKLE GRASS	40%
BROMUS CILIATUS	FRINGED BROME	40%
AGROPYRON TRACHYCAULUS VAR. SUBSECUNDUS	AWNED WHEAT GRASS	20%

SEED MIX OVER 150 mm DEPTH TOPSOIL

NOTES:

- SUBMIT CERTIFICATES STATING THAT SEED MIX IS CULTIVAR AND WEED FREE TO DEPARTMENTAL REPRESENTATIVE.

Client

Parks Canada Agency

L'Agence Parcs Canada

Consultant

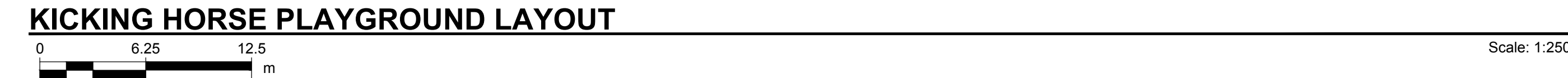
AECOM

300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Client

Conseiller

C	ISSUED FOR TENDER	18/JUNE/08
B	ISSUED FOR 90% REVIEW	18/APR/16
A	ISSUED FOR 60% REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE
<div><div>A</div><div>C</div></div>	A detail number number du detail B source drawing no. de dessin no. C detail on drawing no. detail sur dessin no.	<div><div>A</div><div>B</div><div>C</div></div>
project title	titre du projet	
KICKING HORSE CAMPGROUND IMPROVEMENTS		
YOHO NATIONAL PARK		
drawing title	titre du dessin	
KICKING HORSE PLAYGROUND AREA LANDSCAPE PLAN		
designed by	conçu par	
Todd White		
drawn by	dessiné par	
Todd White / Jordy Green		
approved by	approuvé par	
Brian Nolan Don Hester		
PCA Project Manager	Administrateur de Projets TPSGC	
Kurt Devlin		
scale	échelle	sheet
1:250		feuille
project no.	projet no.	KP-L100
60551150		
date	date	
April 2018		



POLY WAVE SLIDE

POLY DOUBLE SLIDE

ARCH BRIDGE

CRAWL TUBE PANEL

ANIMAL CLUE PANEL (ABOVE)

CENTIPEDE CLIMBER

HEX ROOF

GRIP CLIMBER

PC 2181-8 8FT SINGLE POST SWING (2B)

BUCKET SPINNERS (2)

CHAIN NET CLIMBER

SMALL EVERGREEN POST TOPPER

VERTICAL LADDER

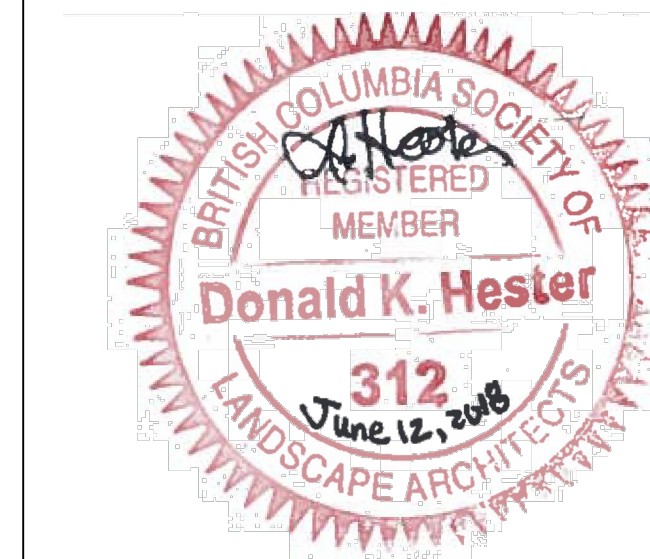
WALL TRAVERSE



POWER TOWER CLIMBER

LILY PADS (3)

TERRACE CLIMBER

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. PRIOR TO CONSTRUCTION CONTRACTOR SHALL ENSURE COORDINATION WITH BRITISH COLUMBIA ONE CALL AT 1-800-474-6886, AND OTHER UTILITIES AS REQUIRED TO STAKE ALL BELOW GRADE UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES TO UTILITIES.
3. ALL EXCAVATIONS ARE TO MAINTAIN THE MINIMUM DEFINED SETBACKS FROM UTILITIES.
4. IF EXCAVATIONS ARE REQUIRED CLOSER THAN 1.0 m TO UNDERGROUND POWER, TELEPHONE AND GAS ALIGNMENTS, HAND DIGGING UNDER THE SUPERVISION OF THE AFFECTED UTILITY WILL BE REQUIRED. THE CONTRACTOR TO CONTACT THE APPROPRIATE UTILITY TO APPROVE, REVIEW AND / OR DEFINE SAFE PROCEDURES FOR THESE EXCAVATIONS.
5. ALL AREAS ARE TO BE GRADED TO GRADES INDICATED, INCLUDING TOPSOIL AND SEED.
6. LOCATION OF PLAYGROUND EQUIPMENT APPROXIMATE AND TO BE CONFIRMED BY PLAYGROUND CONTRACTOR, LAYOUT TO BE APPROVED BY DEPARTMENTAL REPRESENTATIVE PRIOR TO INSTALLATION.
7. CONTRACTOR RESPONSIBLE FOR ENSURING PLAYGROUND LAYOUT MEETS CANADIAN STANDARDS ASSOCIATION.
8. PLAYGROUND EXCAVATION AND SUBBASE GRADING BY PLAYGROUND CONTRACTOR.



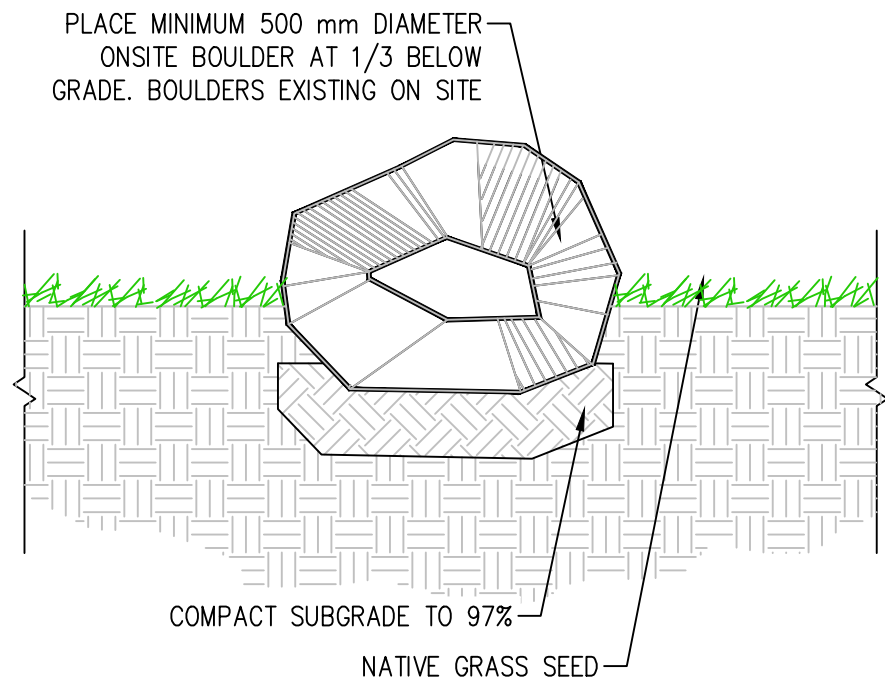
	<p>A detail number number du detail</p> <p>B source drawing no. de dessin no.</p> <p>C detail on drawing no. detail sur dessin no.</p>	
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KICKING HORSE CAMPGROUND IMPROVEMENTS

**KICKING HORSE PLAYGROUND AREA
PLAYGROUND GRADING AND LAYOUT
AND
PLAYGROUND AND EQUIPMENT DETAILS**

project no.	60551150	projct no.	KP-L101
date		date	

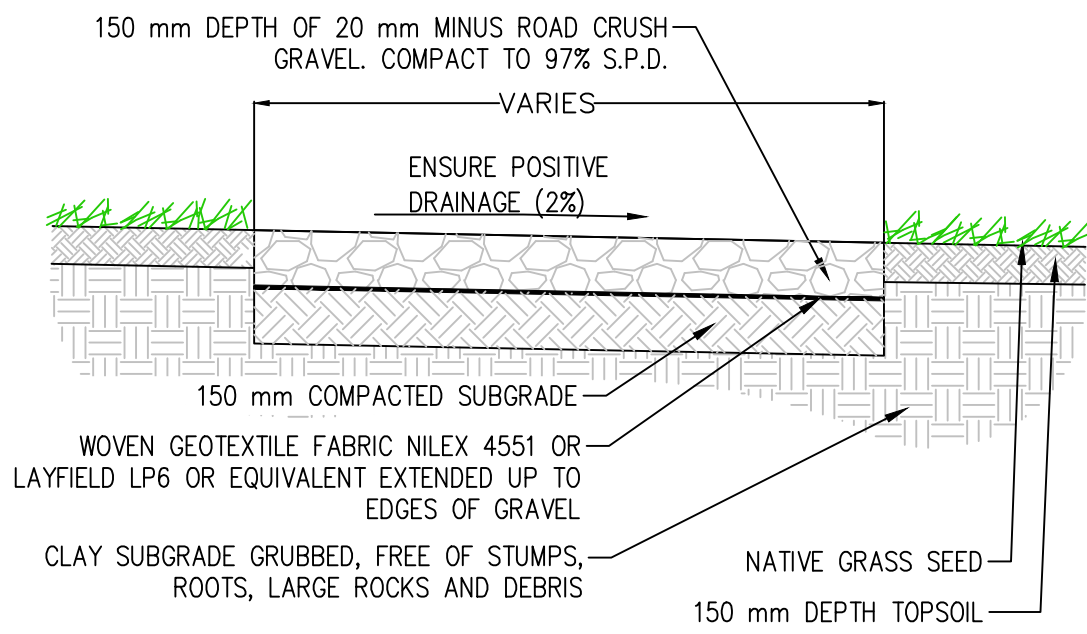




- NOTES:
- IF BOULDERS ARE BEING PLACED IN AN AREA TO BE FINAL GRADED WITH GROWING MEDIUM, ENSURE THAT BOULDERS ARE IN PLACE PRIOR TO PLACEMENT OF GROWING MEDIUM.
 - ENSURE BOULDERS ARE COMPLETELY SETTLED AND STABLE.

BOULDER INSTALLATION - TYP

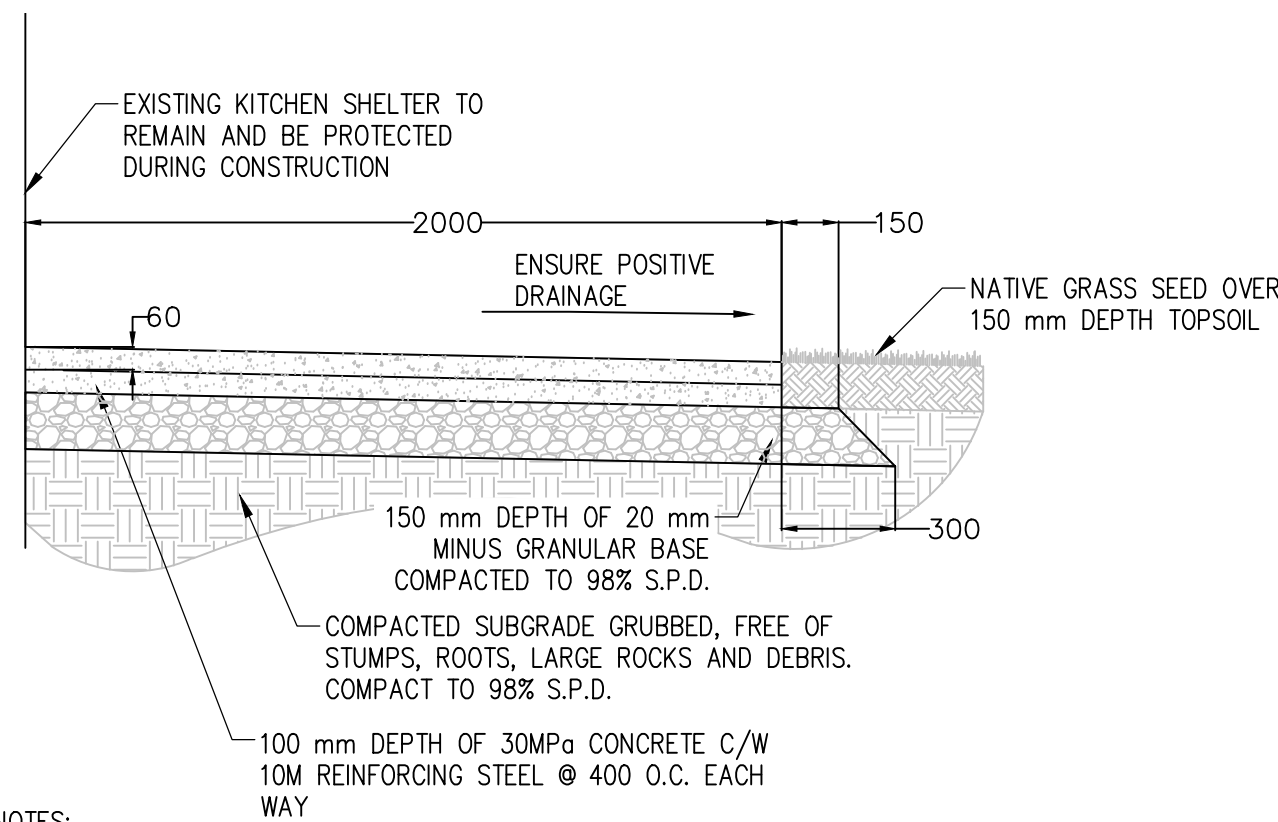
Scale 1:20



- NOTES:
- CONTRACTOR'S RESPONSIBILITY TO REHABILITATE ALL DISTURBED AREAS ALONG TRAIL EDGE WITH TOPSOIL AND SEED.
 - SET GRANULAR SURFACE FLUSH WITH ADJACENT GRADES.
 - ENSURE DRAINAGE OFF GRANULAR AT ALL LOCATIONS - 20 mm MINUS GRANULAR, COMPACT TO 97% S.P.D.

GRANULAR TRAIL - TYP

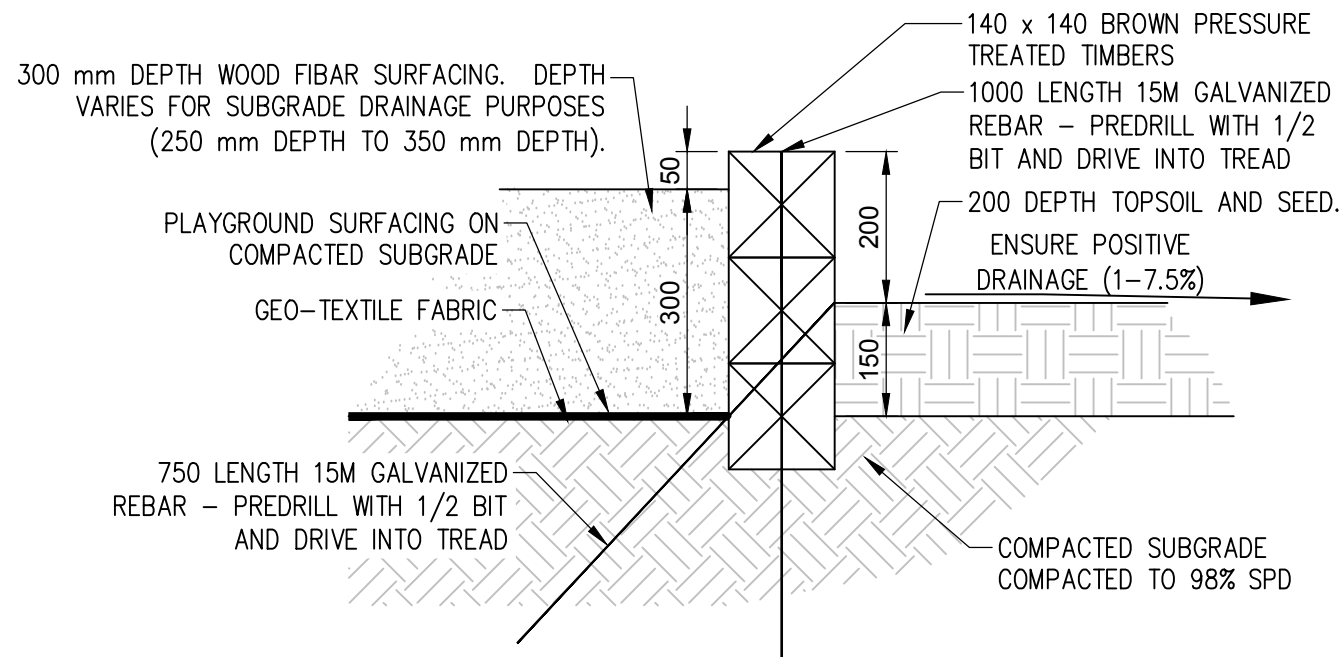
Scale 1:20



- NOTES:
- CONTRACTOR'S RESPONSIBILITY TO REHABILITATE ALL DISTURBED AREAS WITHIN PLAYGROUND AREA WITH TOPSOIL AND SEED.
 - CONTRACTOR TO ENSURE BIKE RACK IS CENTERED ON CONCRETE PAD.
 - SET CONCRETE SURFACE FLUSH WITH ADJACENT GRADES, REFER TO DWG KP-L101 FOR GRADES OF PLAYGROUND EDGER AND SURFACING
 - ENSURE POSITIVE DRAINAGE OF CONCRETE AT ALL LOCATIONS.

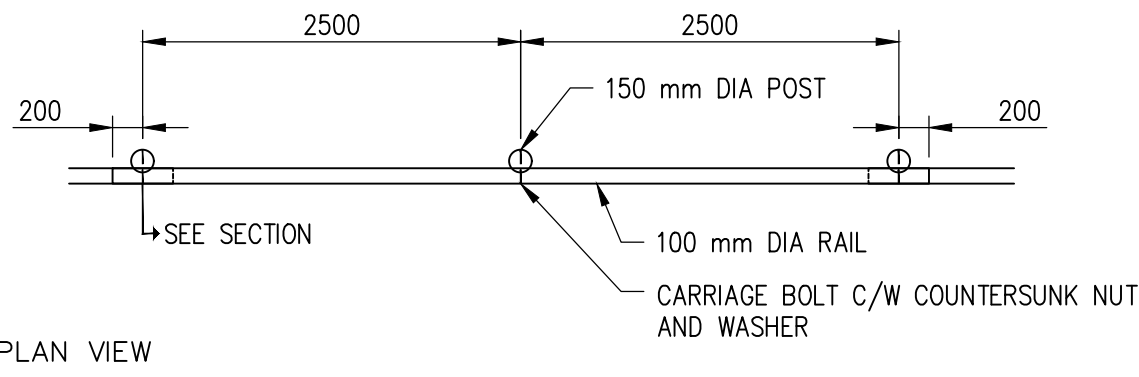
CONCRETE PAD - TYP

Scale 1:20

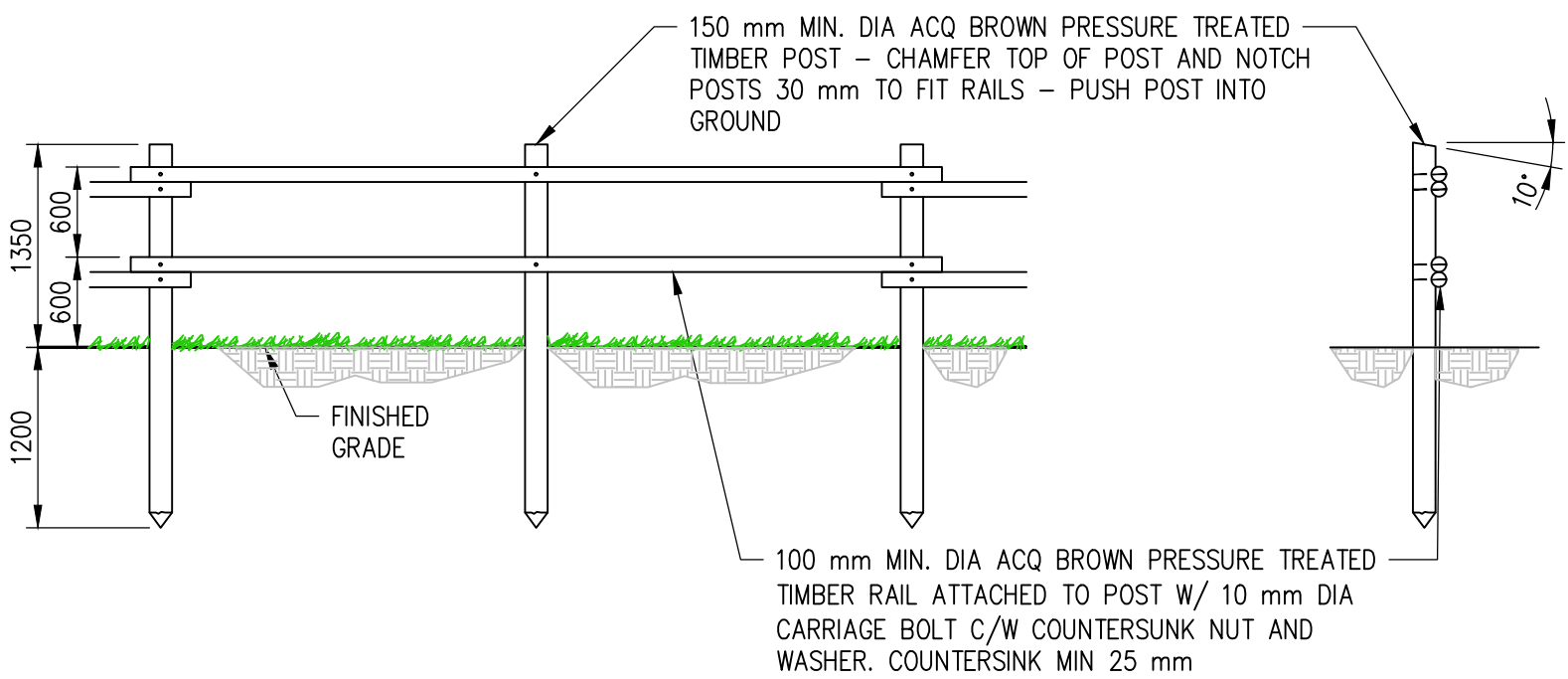


PLAYGROUND EDGER / SURFACING

Scale 1:10



PLAN VIEW

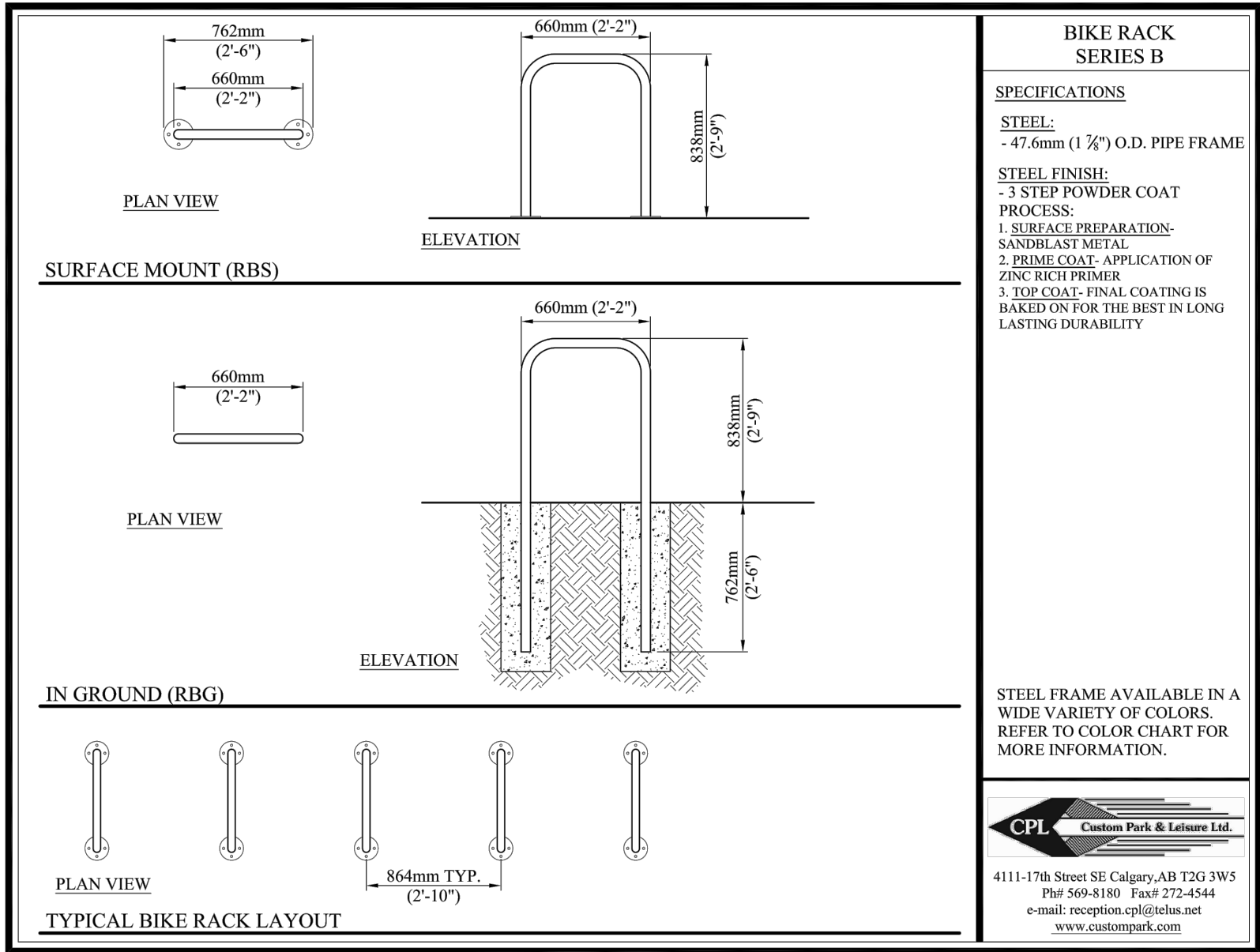


ELEVATION SECTION

- NOTES:
- FIELD TREAT ALL CUT ENDS AND DRILLED HOLES W/ 2 COATS OF BROWN ACQ.
 - ALL METAL HARDWARE TO BE GALVANIZED.
 - ALL TREE, BRUSH AND OTHER OBSTACLES WHICH INTERFERE WITH THE CONSTRUCTION AND ALIGNMENT OF THE FENCE TO BE REMOVED PRIOR TO CONSTRUCTION OF THE FENCE.

POST AND RAIL FENCE - TYP

Scale 1:50



BIKE RACK

Scale 1:50

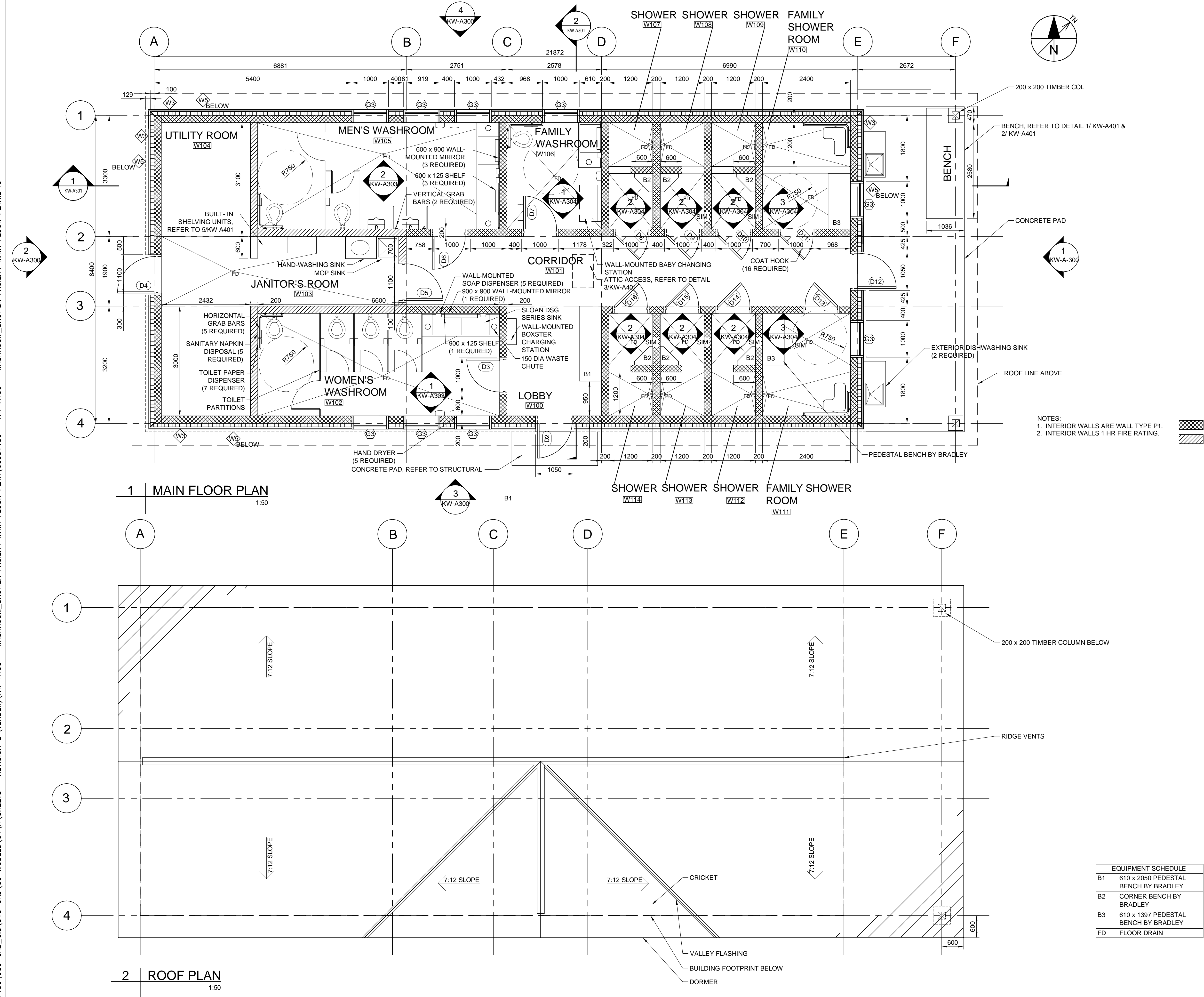
Client
Parks Canada Agency
L'Agence Parcs Canada

Consultant
AECOM
300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

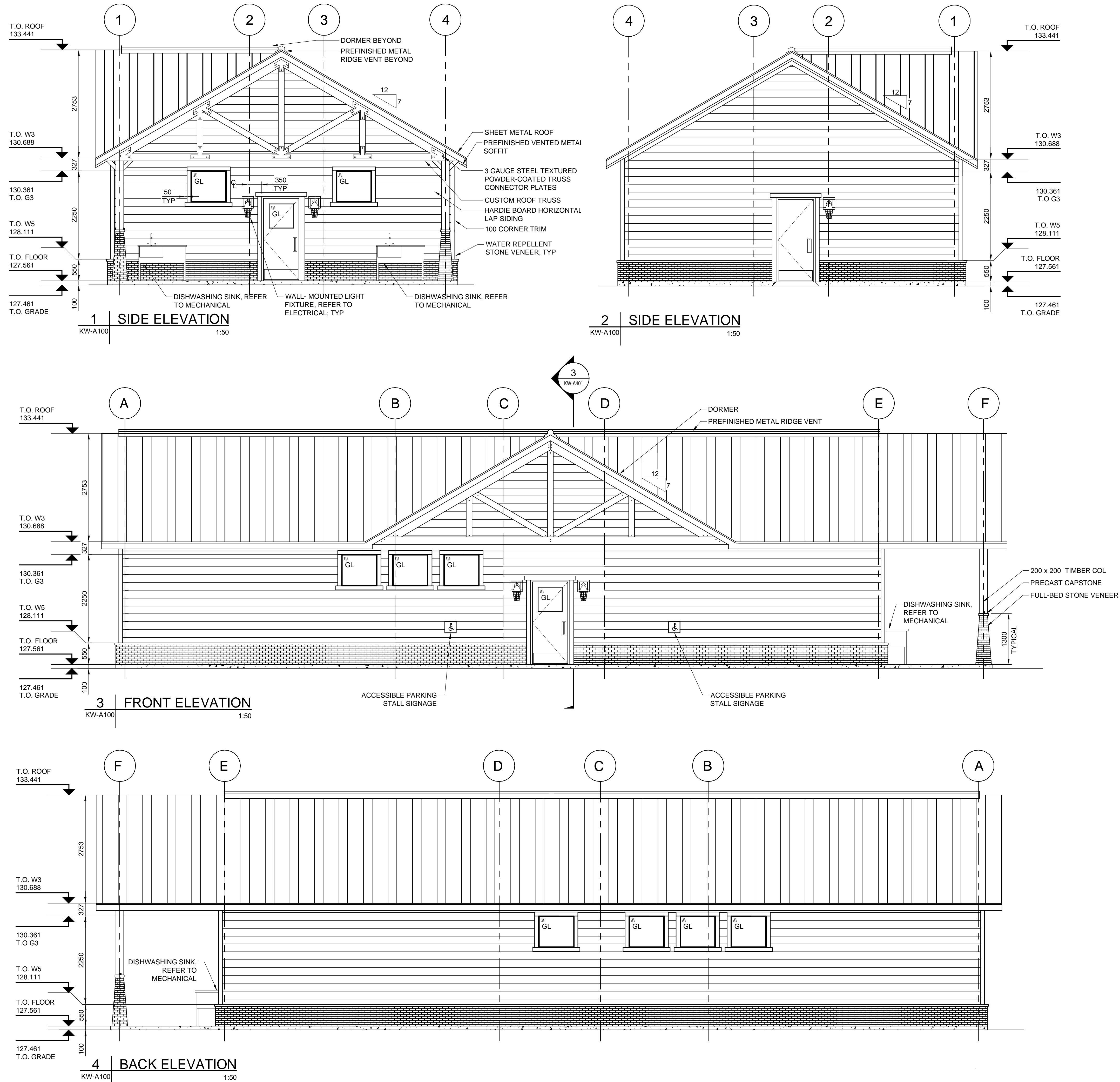
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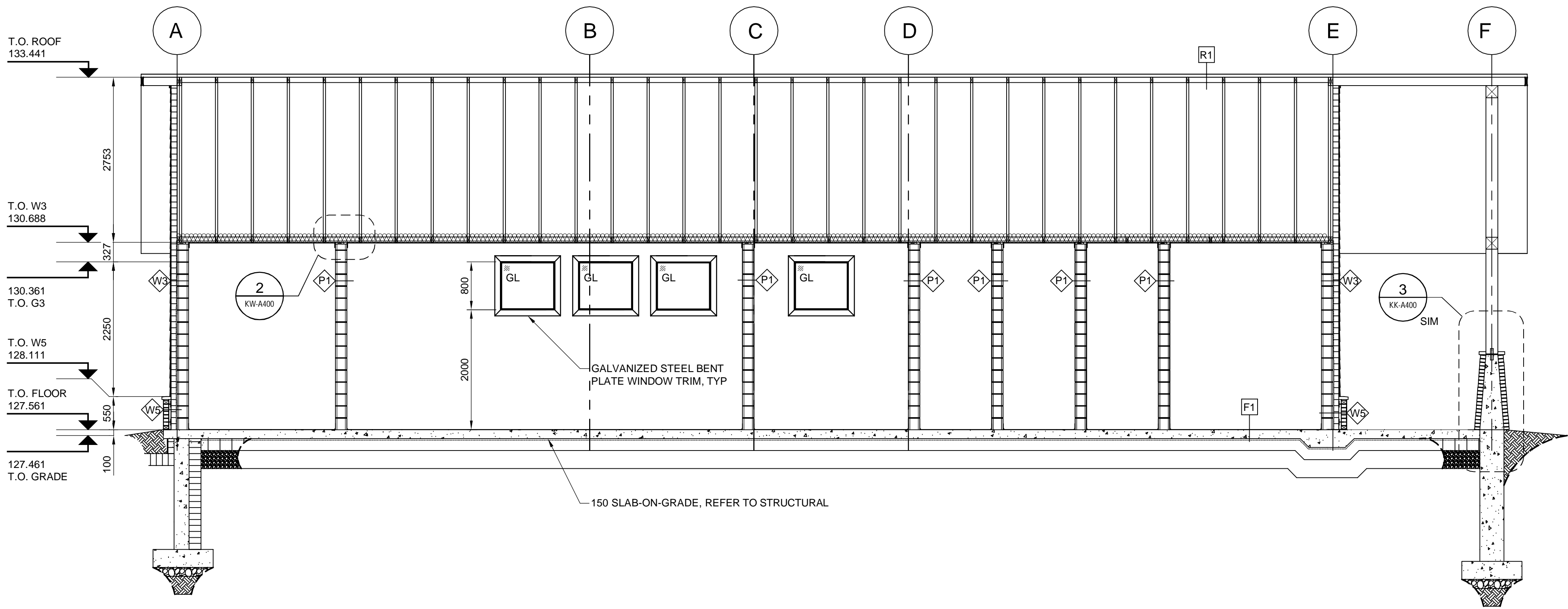
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B	ISSUED FOR 90% REVIEW	18/APR/18
A	ISSUED FOR 60% REVIEW	18/03/09
REVISIONS	DESCRIPTION	DATE
<div><div><div>A</div><div>C</div></div><div>A detail number number du detail</div></div> <div><div><div>B</div><div>C</div></div><div>B source drawing no. de dessin no.</div></div> <div><div><div>C</div></div><div>C detail on drawing no. detail sur dessin no.</div></div>		
project title	KICKING HORSE CAMPGROUND IMPROVEMENTS	
titre du projet		
designed by	Todd White	
conçu par		
drawn by	Todd White / Jordy Green	
dessiné par		
approved by	Brian Nolan / Don Hester	
approuvé par		
PCA Project Manager	Kurt Devlin	
Administrateur de Projets TPSGC		
scale	Varies	echelle sheet feuille
project no.	60551150	proj. no. KP-L400
date	June 2018	date



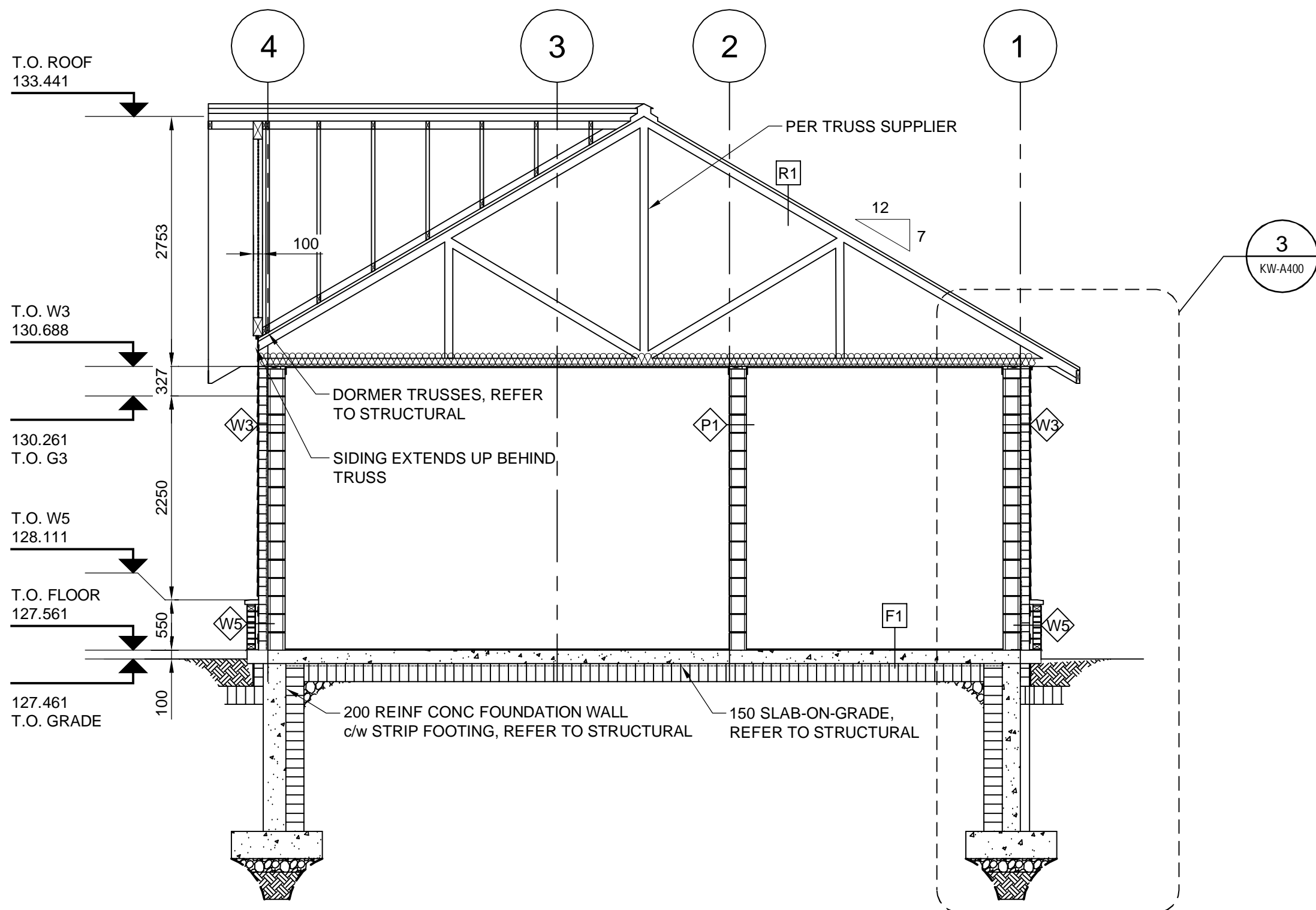
EQUIPMENT SCHEDULE	
B1	610 x 2050 PEDESTAL BENCH BY BRADLEY
B2	CORNER BENCH BY BRADLEY
B3	610 x 1397 PEDESTAL BENCH BY BRADLEY
FD	FLOOR DRAIN



P:\60551150\CAD_GIS\910-CAD\05-MODELS\01\A\SHEETS - REVISION E (TENDER)\KW-A301 - WASHROOM_SHOWER FACILITY SECTIONS.DWG
Project Management Initials: Designer: _____ Checked: _____ Approved: _____
P:\60551150\CAD_GIS\910-CAD\05-MODELS\01\A\SHEETS - REVISION E (TENDER)\KW-A301 - WASHROOM_SHOWER FACILITY SECTIONS.DWG



1 BUILDING SECTION
KW-A100 1:50



2 BUILDING SECTION
KW-A100 1:50



REVISIONS	DESCRIPTION	DATE
E	ISSUED FOR TENDER	18/JUNE/08
D	ISSUED FOR 90% CLIENT REVIEW	18/APR/09
C	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
B	ISSUED FOR FINAL DESIGN MEMO	18/FEB/15
A	ISSUED FOR PREDESIGN MEMO	18/FEB/01

A	detail number number du detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

project title	titre du projet
KICKING HORSE & MONARCH CAMPGROUND	
YOHO NATIONAL PARK	

drawing title	titre du dessin
WASHROOM & SHOWER FACILITY SECTIONS	

designed by	conçu par
-------------	-----------

drawn by	dessiné par
----------	-------------

approved by	approuvé par
-------------	--------------

PCA Project Manager	Administrateur de Projets TPSGC
Kurt Devlin	

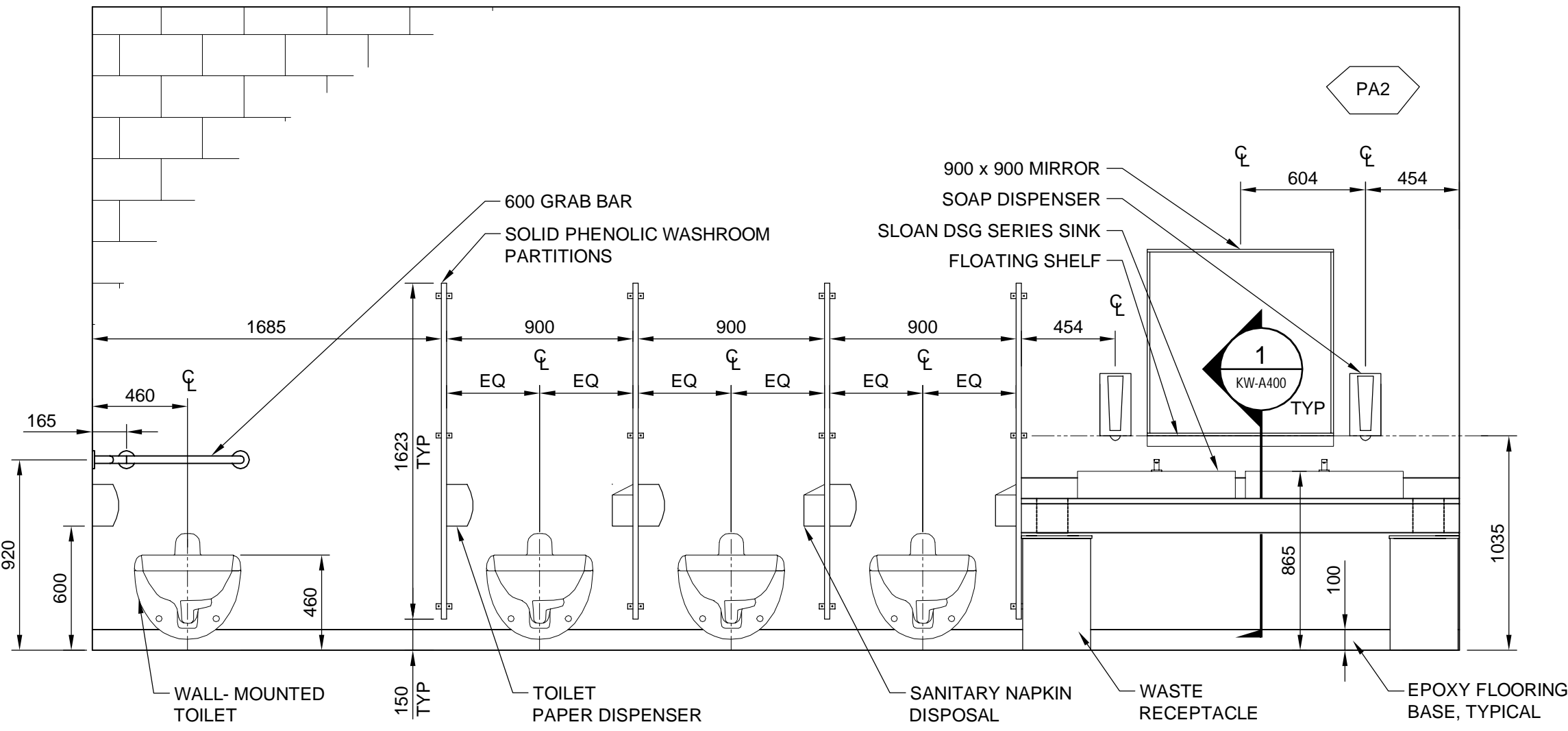
scale	échelle	sheet	feuille
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project no.	proj. no.	KW-A301
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date	date
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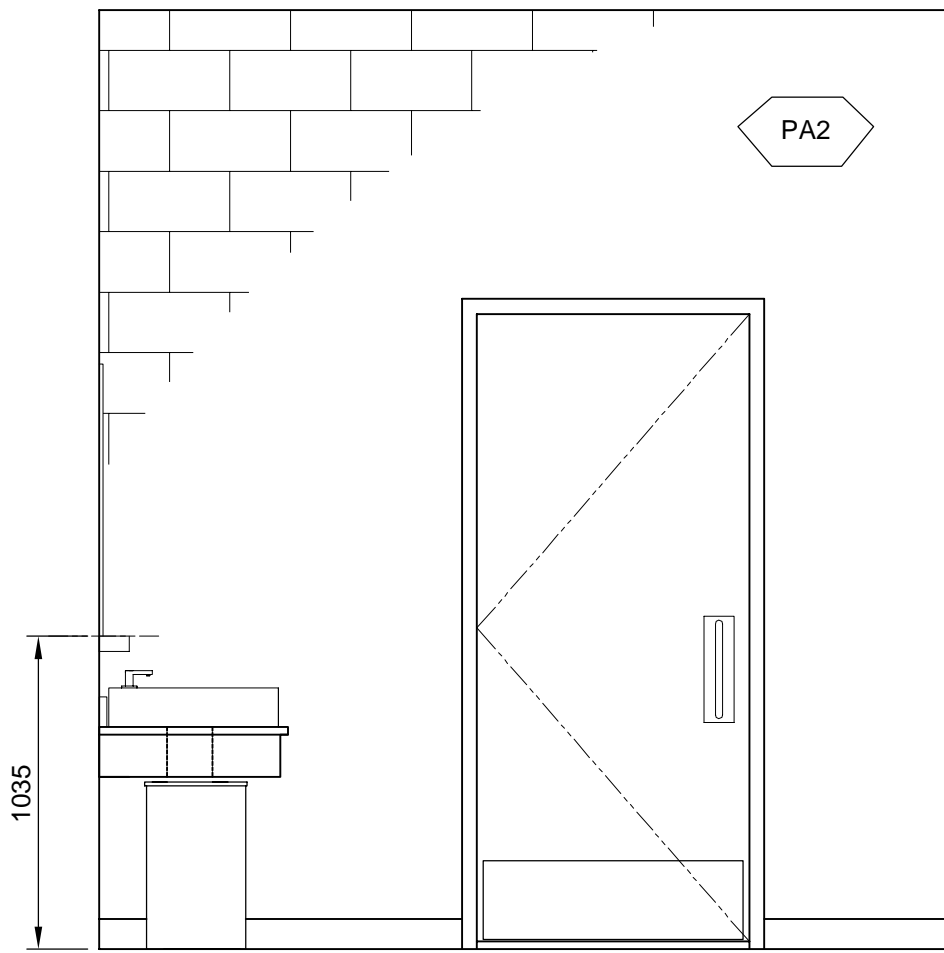
FEB 2018

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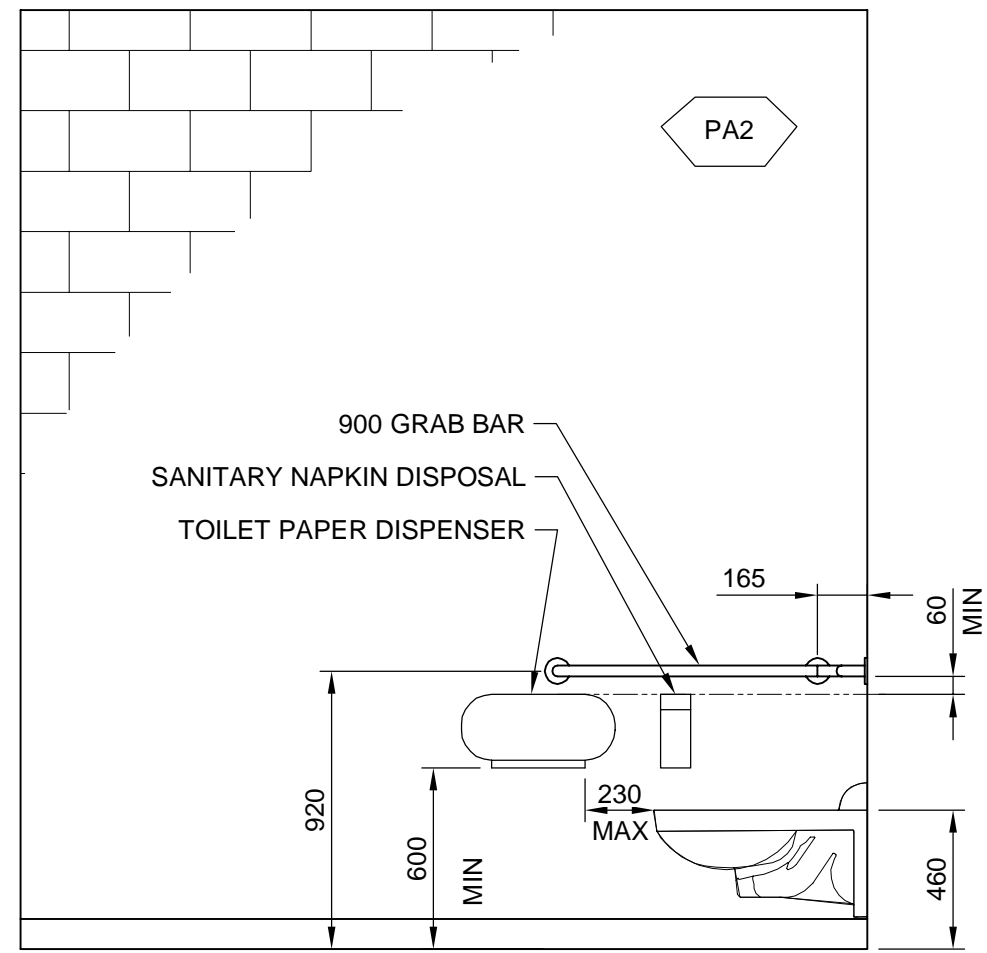


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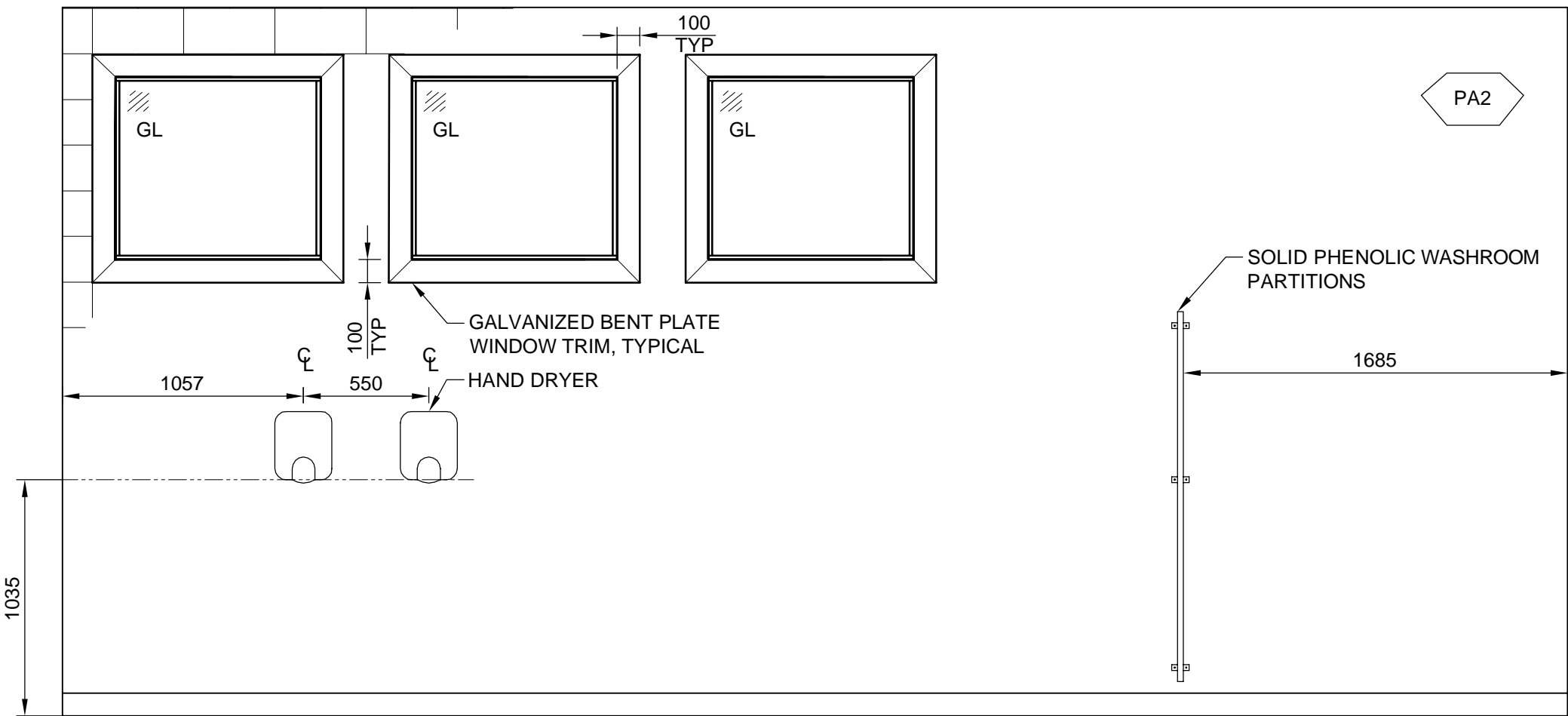
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KW-A100 1:25



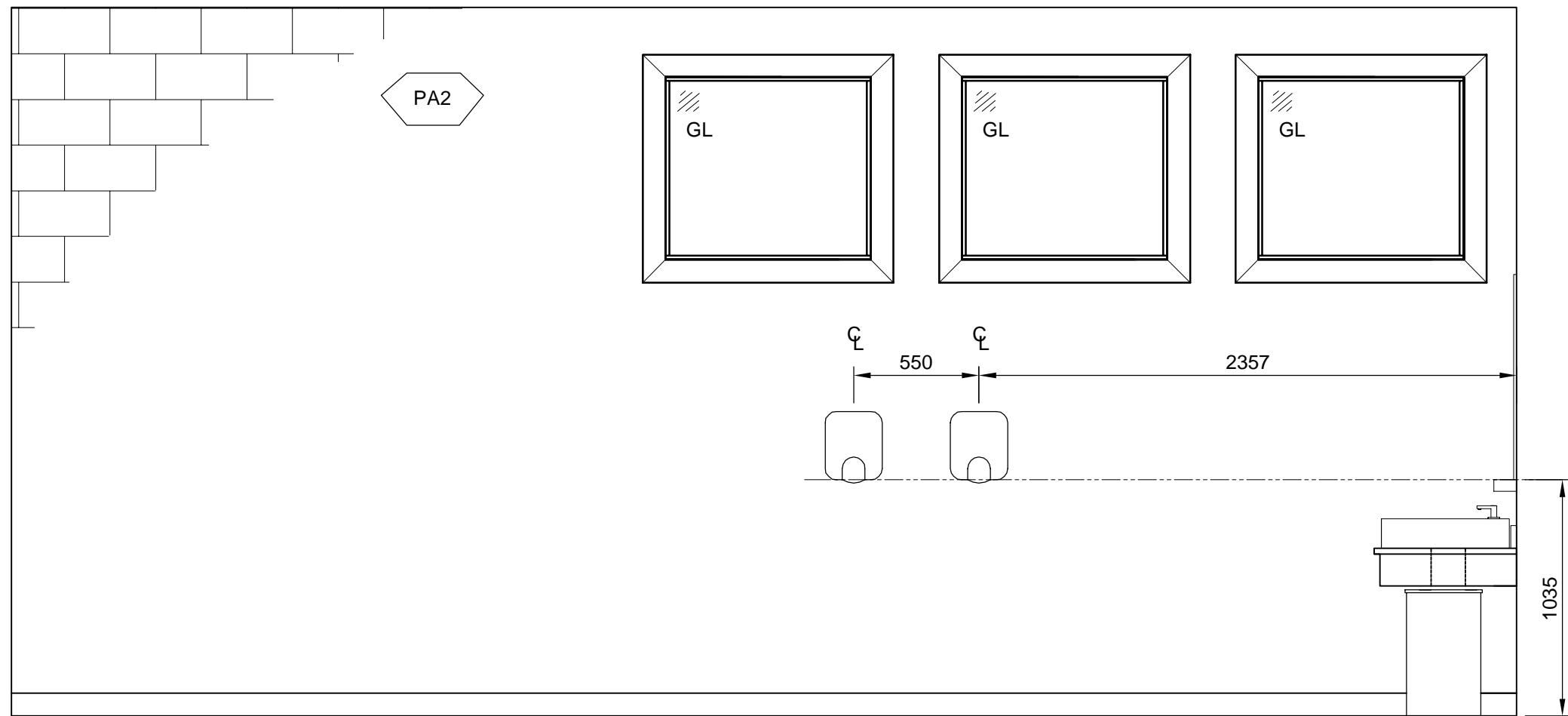
EAST



WEST

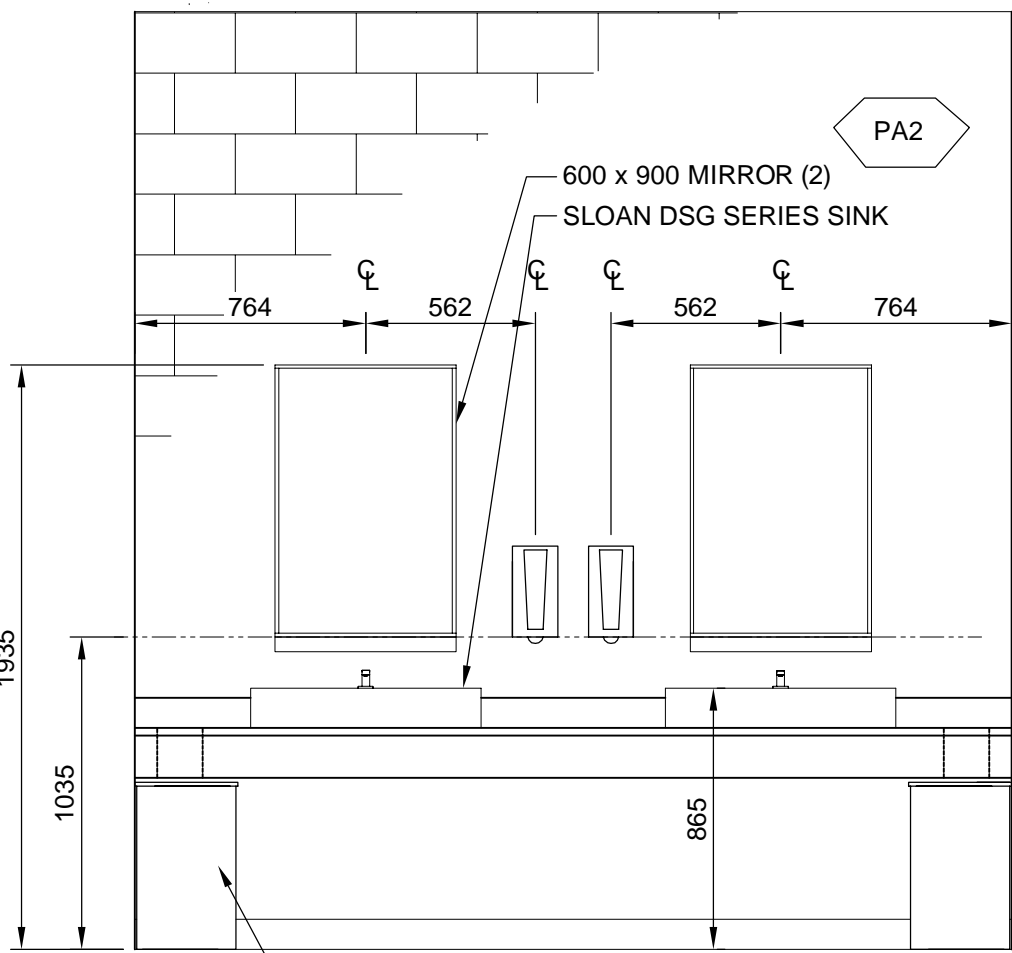


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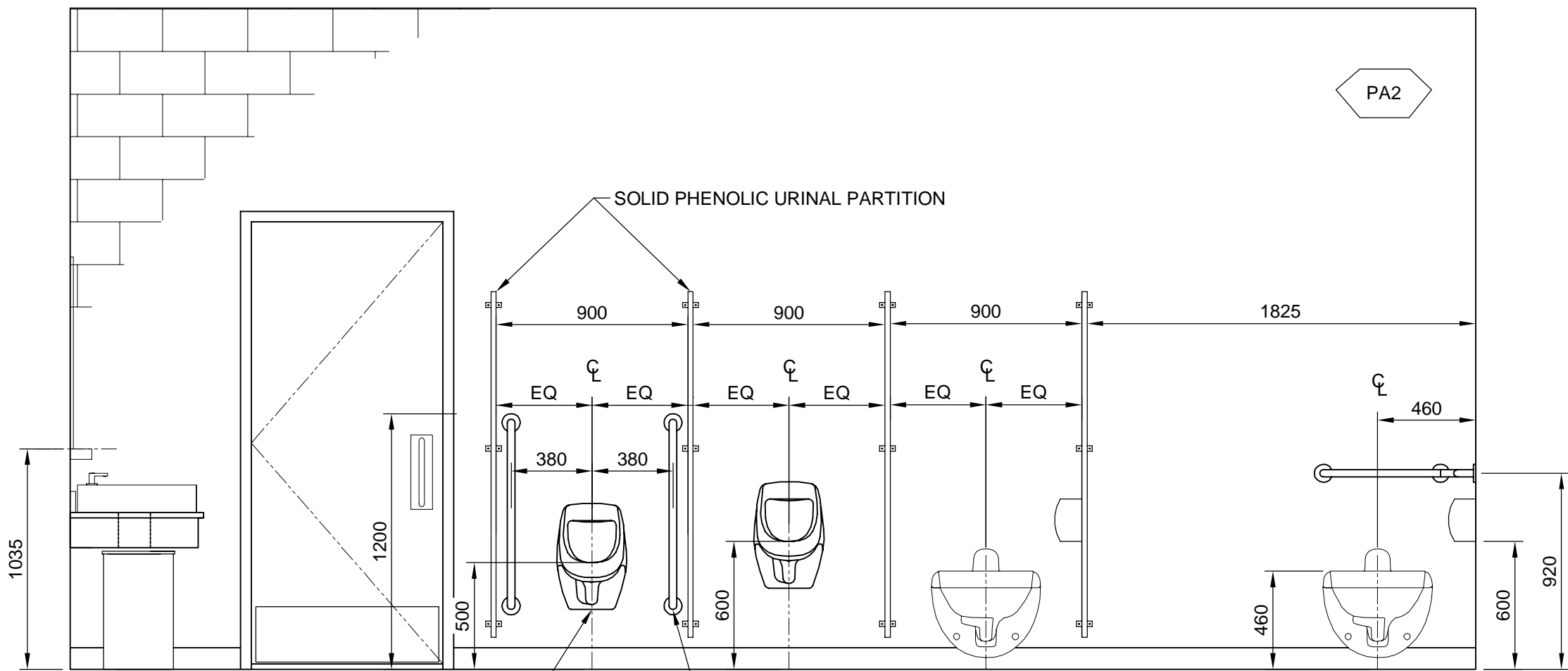


NORTH

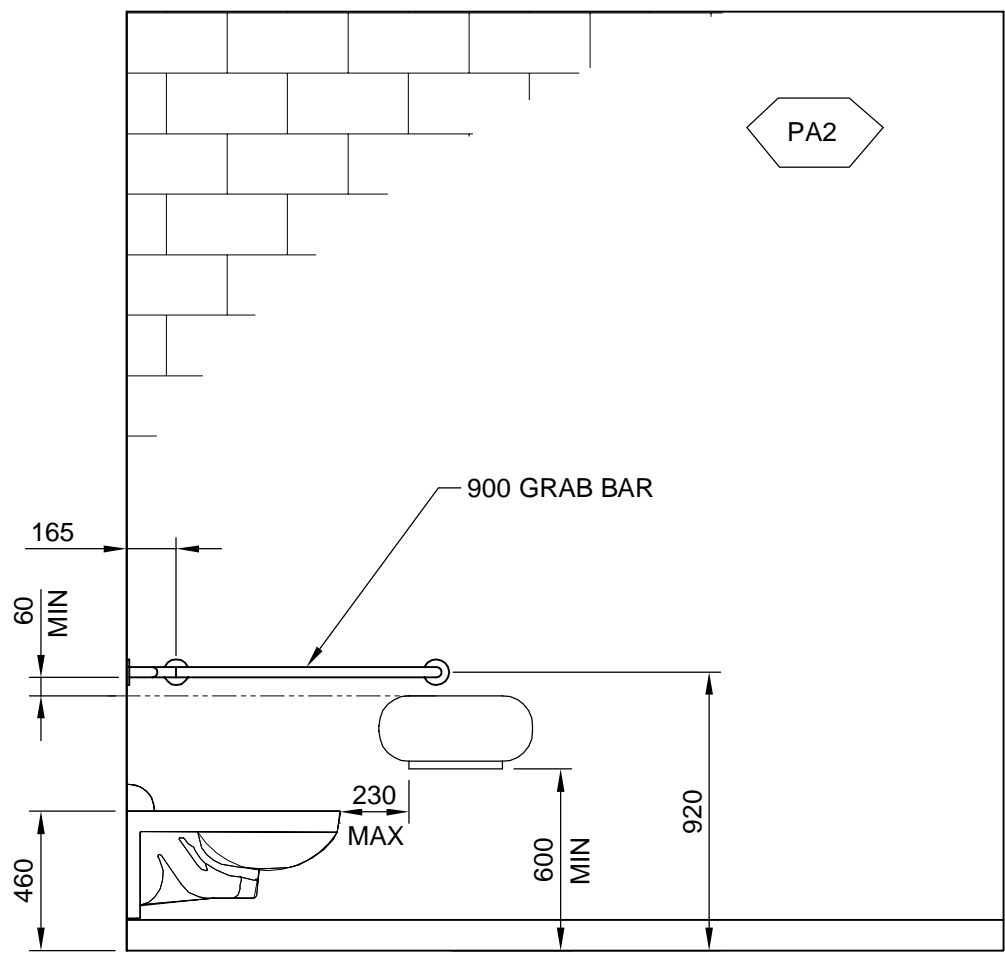
2 INTERIOR ELEVATION
KW-A100 1:25



EAST



SOUTH



WEST

Client
Parks Canada
Agency
L'Agence Parcs
Canada

Consultant
AECOM
300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Client
Conseiller

REGISTERED ARCHITECT
ISAAC JUSTIN HAYES
J. Hayes
Jun. 27/2018
BRITISH COLUMBIA

REVISIONS	DESCRIPTION	DATE
E	ISSUED FOR TENDER	18/JUNE/08
D	ISSUED FOR 90% CLIENT REVIEW	18/APR/09
C	ISSUED FOR 60% CLIENT REVIEW	18/MAR/09
B	ISSUED FOR FINAL DESIGN MEMO	18/FEB/15
A	ISSUED FOR PREDESIGN MEMO	18/FEB/01

A	A detail number number du detail	A
B	B source drawing no. de dessin no.	B
C	C detail on drawing no. detail sur dessin no.	C

project title
KICKING HORSE & MONARCH CAMPGROUND
titre du projet

YOHO NATIONAL PARK

drawing title
WASHROOM & SHOWER FACILITY INTERIOR ELEVATIONS
titre du dessin

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

PCA Project Manager
Kurt Devlin
Administrateur de Projets TPSOC

scale
échelle
sheet
feuille

project no.
60551150
proj. no.
KW-A303

date
FEB 2018
date



1 | INTERIOR ELEVATION

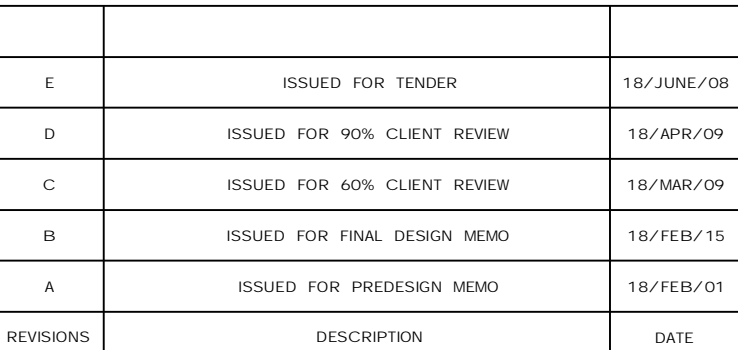
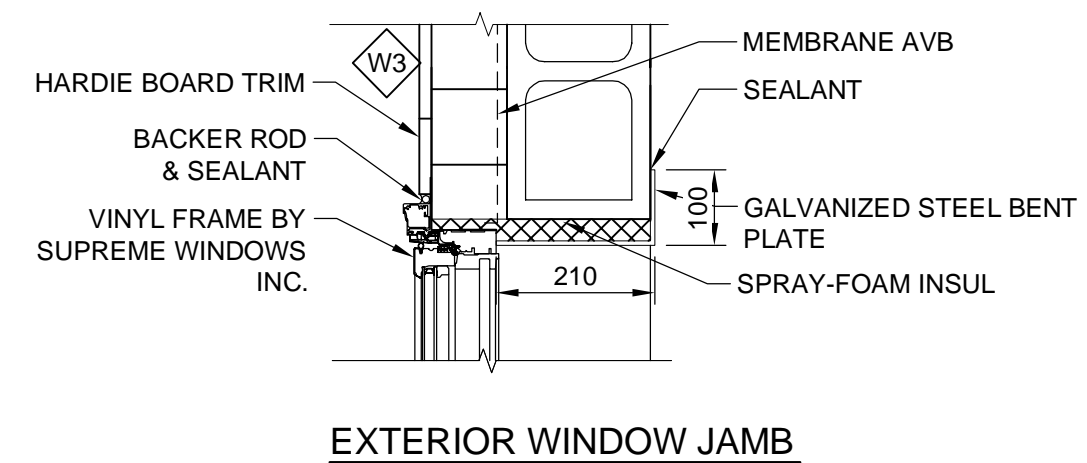


2 | INTERIOR ELEVATION



NOTE:

FOR ALL WASHROOM ACCESSORY QUANTITIES, REFER TO MAIN FLOOR PLAN



project title	titre du projet
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YOHO NATIONAL PARK

drawing title	titre du dessin
---------------	-----------------

WASHROOM & SHOWER FACILITY DETAILS

designed by	concu par
-------------	-----------

drawn by _____ dessine par _____

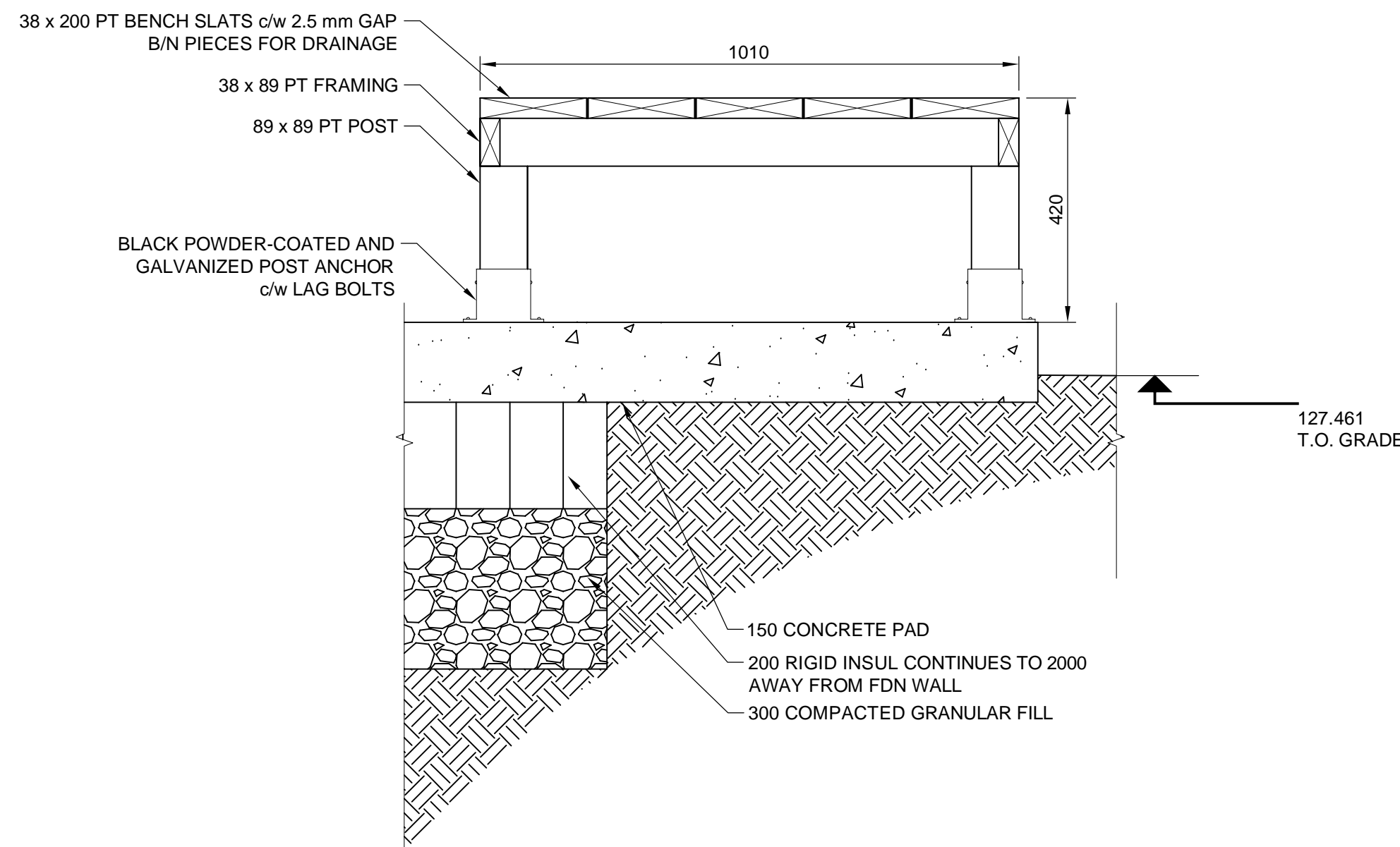
approved by	approuvé par
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PCA Project Manager	Administrateur de Projets TPSGC
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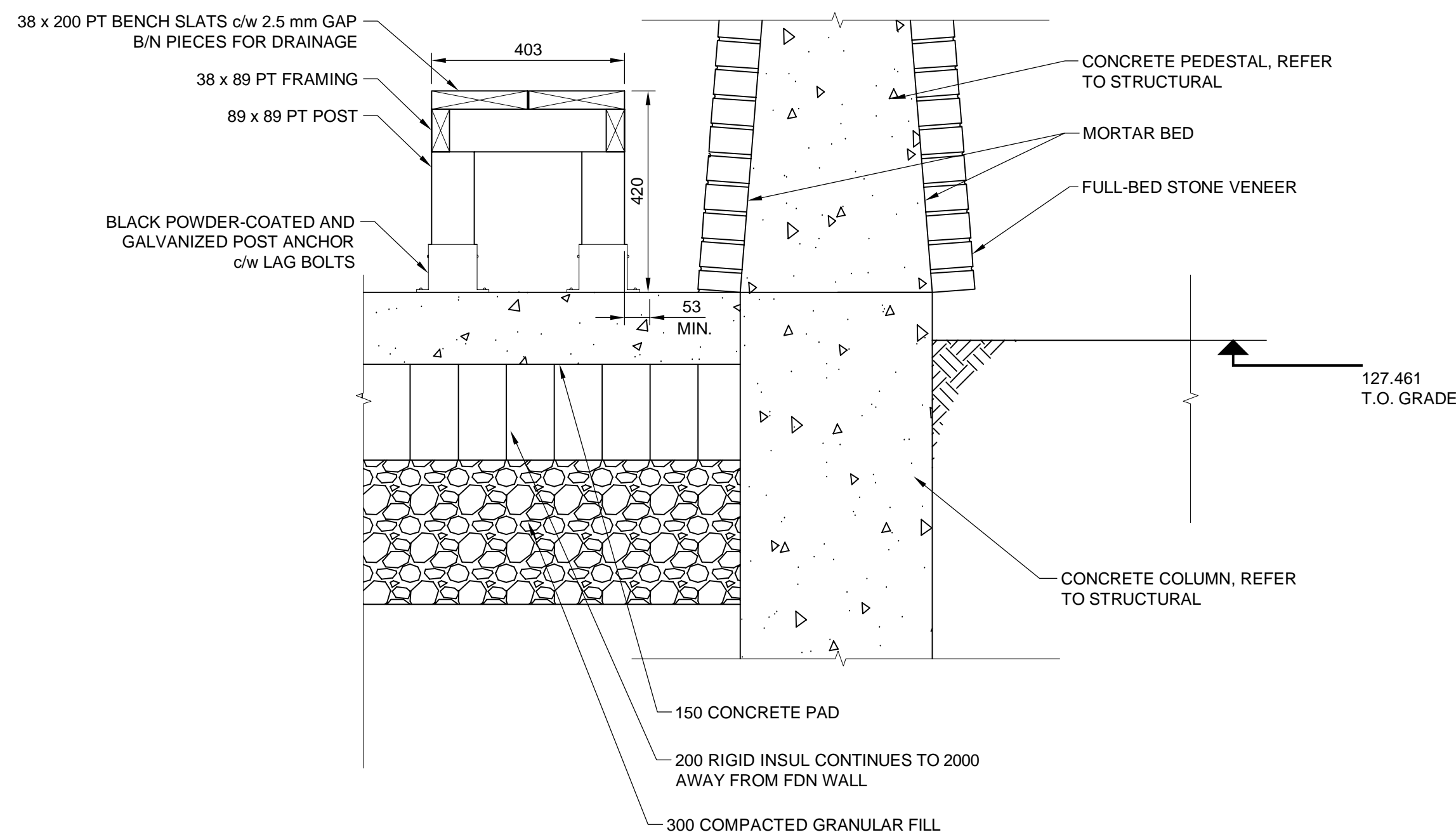
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project no.	project no.	KW-A400
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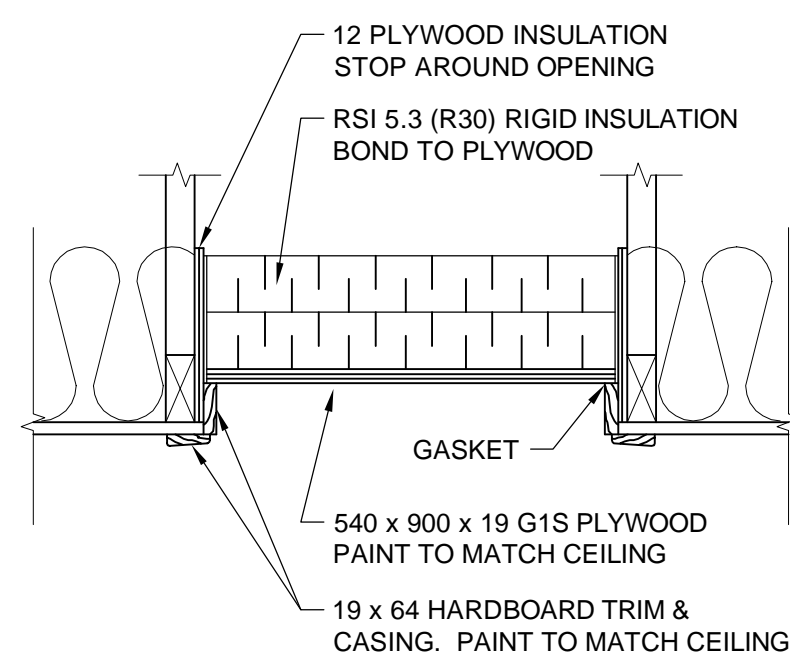
date	FEB 2018	date
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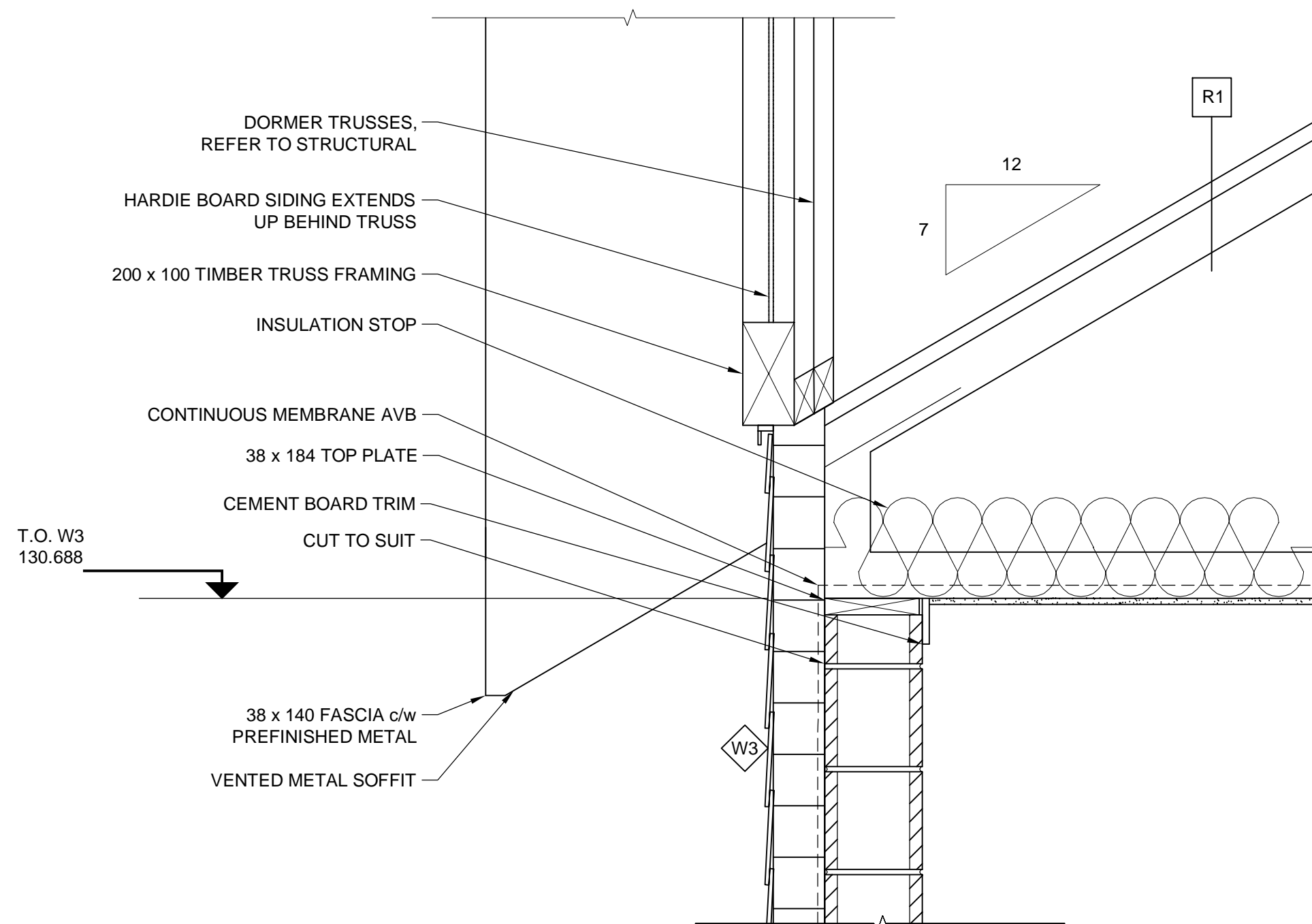
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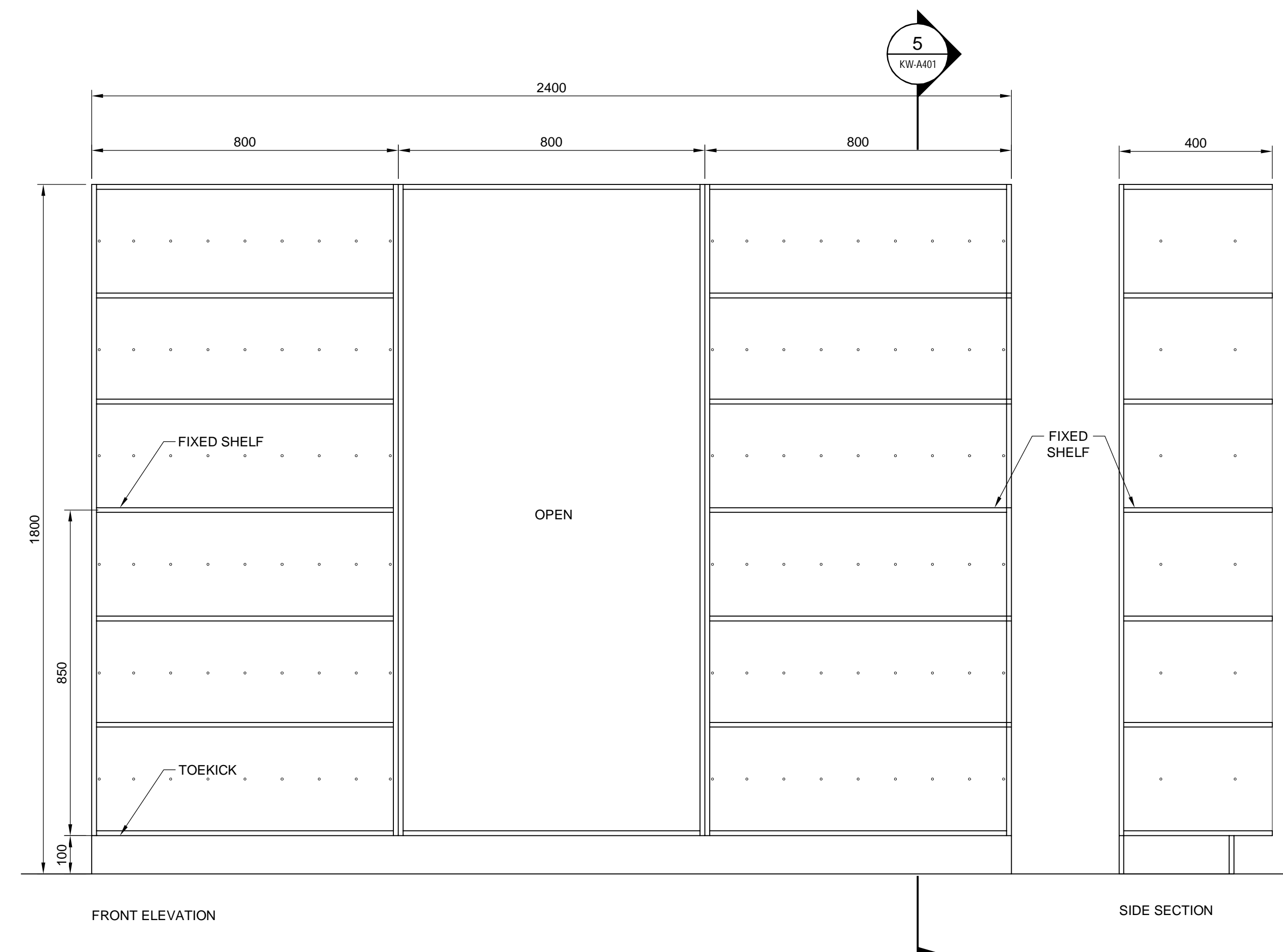
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3 | DETAIL

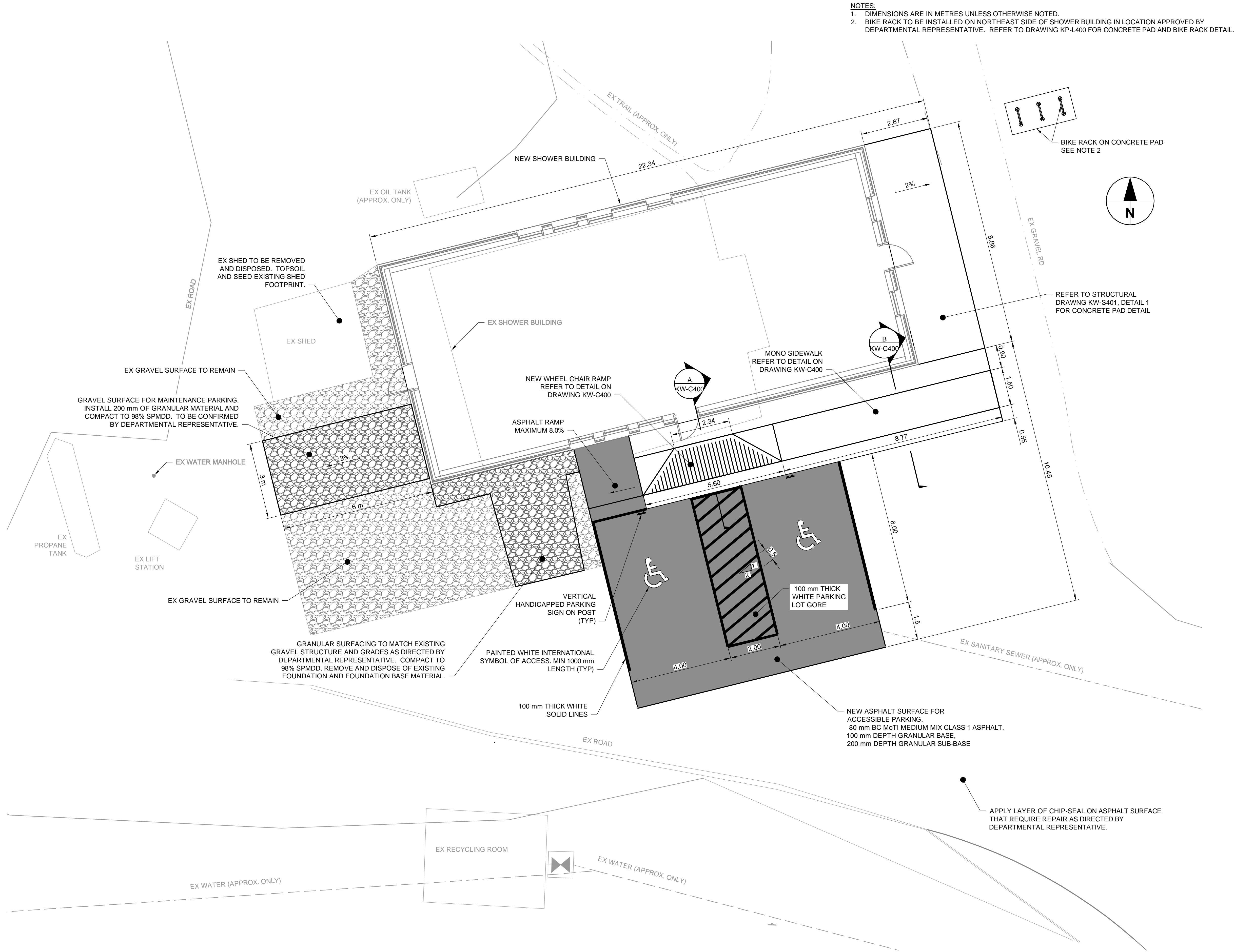


4 | DETAIL



5 | SHELF DETAIL

NOTE: ALL EXPOSED FACES TO BE P.LAM ON 19 MEDEX PANELS, ALL EXPOSED EDGES TO BE PVC EDGING



- NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
 2. BIKE RACK TO BE INSTALLED ON NORTHEAST SIDE OF SHOWER BUILDING IN LOCATION APPROVED BY DEPARTMENTAL REPRESENTATIVE. REFER TO DRAWING KP-L400 FOR CONCRETE PAD AND BIKE RACK DETAIL.

Client

 Parks Canada Agency

 L'Agence Parcs Canada

Consultant

 AECOM

300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Conseiller

NOTICE:
THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED BY AECOM CANADA LTD.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.



REVISIONS	DESCRIPTION	DATE
D	ISSUED FOR TENDER	18/JUN/18
C	ISSUED FOR 90% REVIEW	18/APR/09
B	ISSUED FOR 60% REVIEW	18/MAR/09
A	ISSUED FOR PRE-DESIGN MEMO	18/FEB/16

A	detail number number du detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

project title

**KICKING HORSE
CAMPGROUND IMPROVEMENTS**

titre du projet

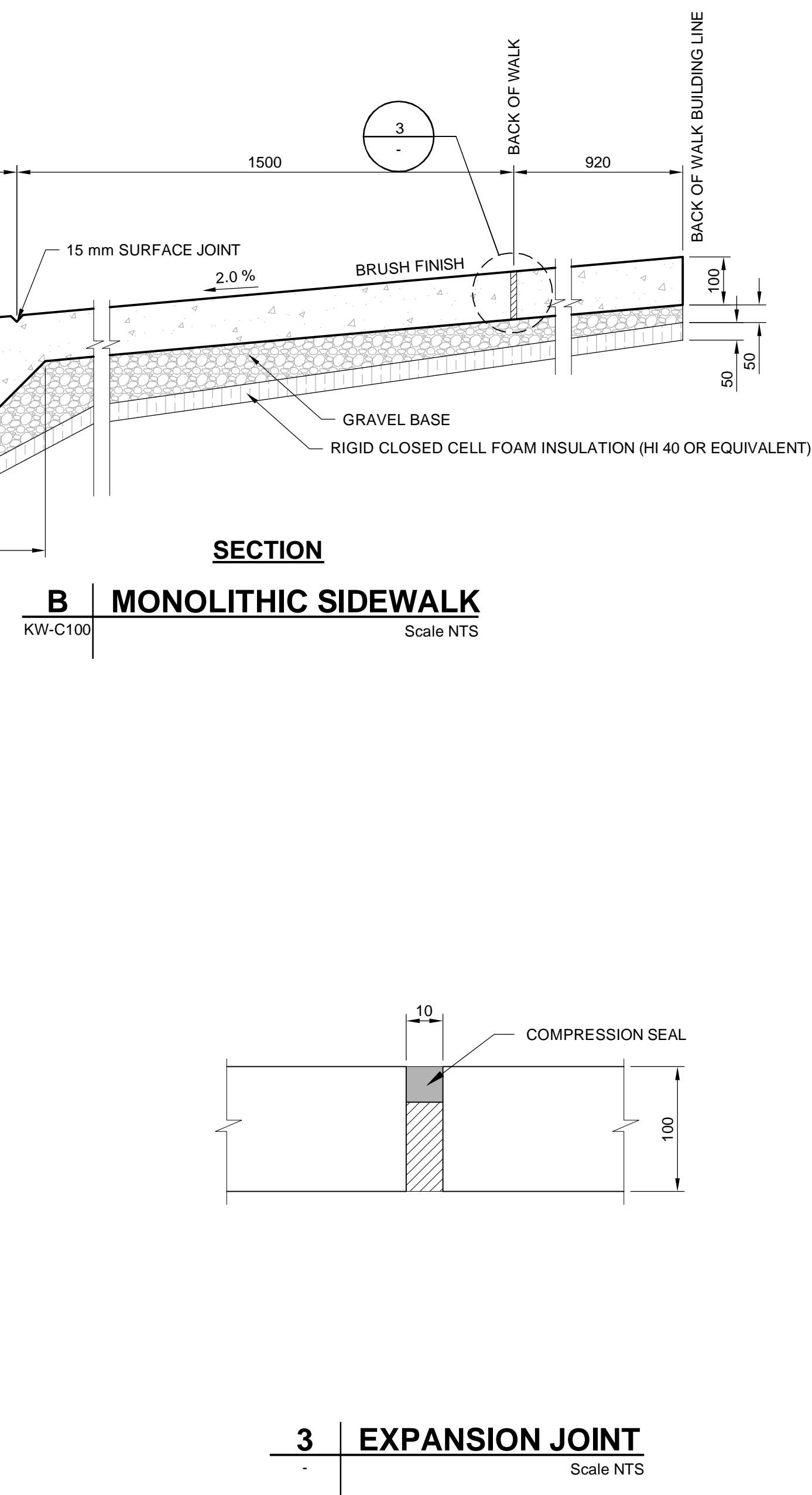
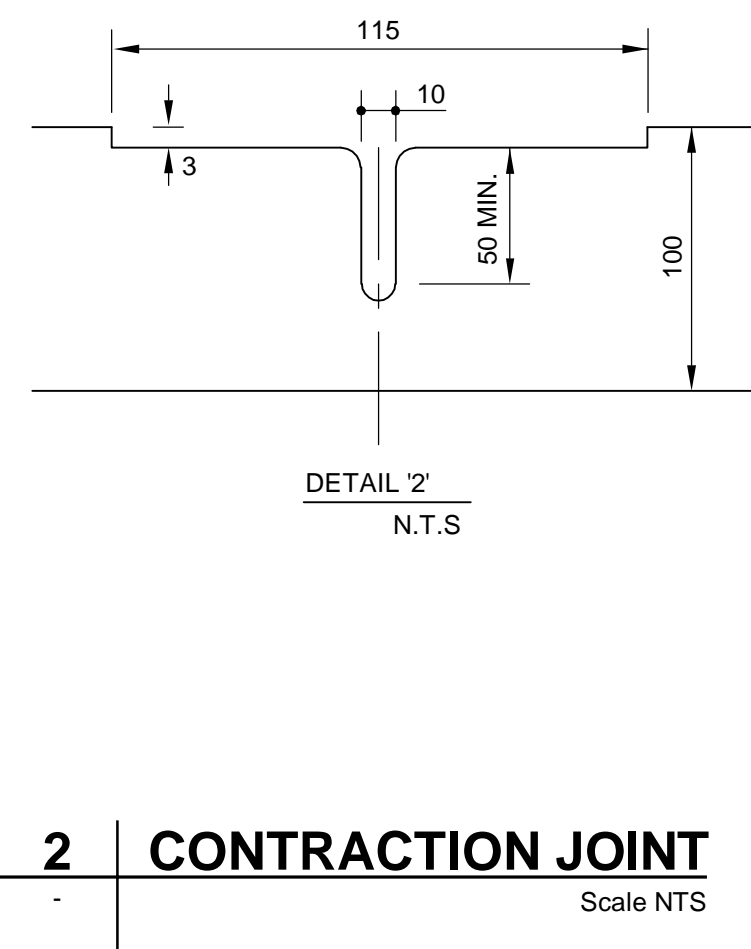
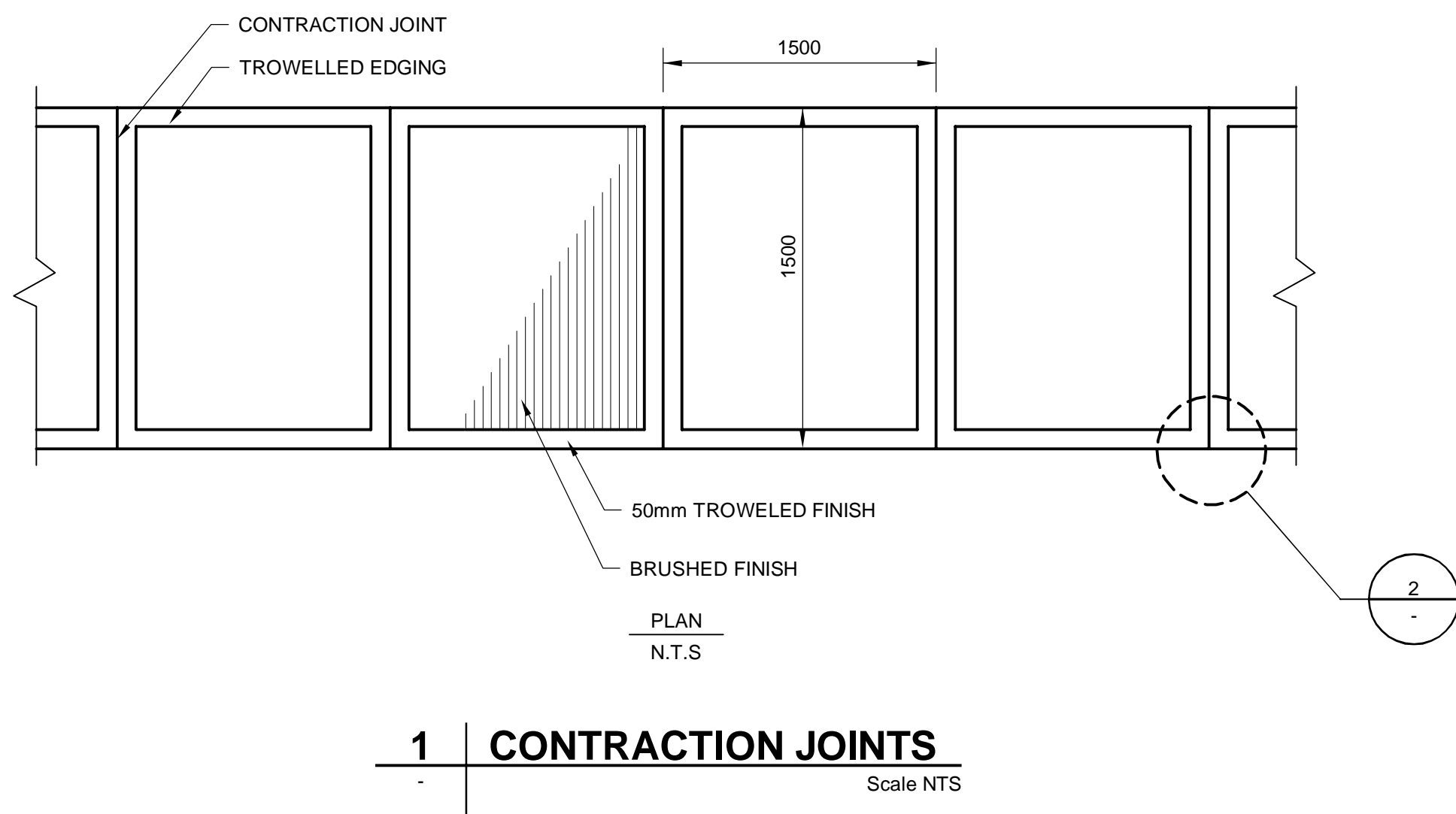
YOHO NATIONAL PARK

drawing title

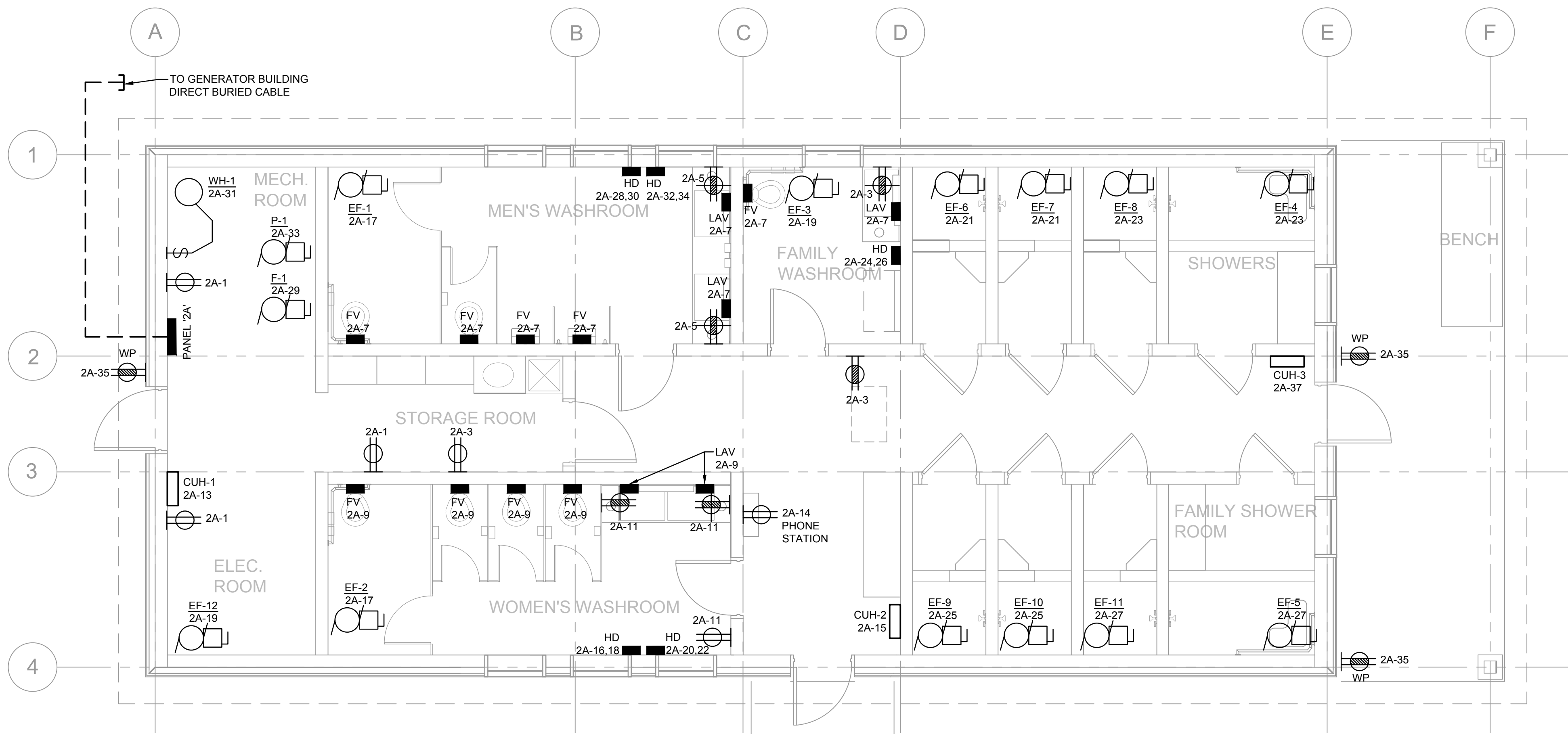
**SHOWER BUILDING
PROPOSED SURFACE WORKS
CIVIL SITE PLAN**

titre du dessin

designed by	conçu par
drawn by	dessiné par
approved by	approuvé par
PCA Project Manager Kurt Devlin	Administrateur de Projets TPSGC Kurt Devlin
scale AS NOTED	échelle sheet feuille
project no. 60551150	projet no. KW-C100
date JAN 2018	date



60551150-SHT-KW-C400_RX Kicking Horse Shower Details.dwg



1 WASHROOM POWER PLAN
SCALE 1:50

- NOTES:**
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
 - ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SYMBOLS SHOWN ARE NOT TO SCALE. LOCATIONS SHOWN REFLECT DESIGN INTENT AND MUST BE COORDINATED WITH ALL OTHER TRADES.
 - ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL NEW UNDERGROUND SECONDARY FEEDER FROM THE EXISTING GENERATOR SPLITTER TO THE NEW WASHROOM/SHOWER PANEL.
 - MOTOR LOCATIONS SHOWN ARE FOR REFERENCE ONLY. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND REQUIREMENTS FOR MOTOR LOADS AND THERMOSTATS PRIOR TO INSTALLATION OF REQUIRED ELECTRICAL PROVISIONS. REFER TO MOTOR CONTROL SCHEDULE.
 - ARMoured CABLE TO BE CONCEALED IN FINISHED SPACES IN SLAB, CEILING SPACE, WITHIN WALLS, ETC. WHERE POSSIBLE.
 - COORDINATE EXACT MOUNTING LOCATIONS OF PLUMBING FIXTURE IR CONTROL DEVICES. COORDINATE WITH MECHANICAL TRADE FOR ALL BOX LOCATIONS, ELECTRICAL REQUIREMENTS.
 - FOR EXHAUST FAN CONTROL REQUIREMENTS, REFER TO MECHANICAL DRAWINGS.

Client

Parks Canada Agency

L'Agence Parcs Canada

Consultant

AECOM

101 - 18817 Stony Plain Rd NW
Edmonton, Alberta
Canada

Client

Conseiller

C	ISSUED FOR TENDER	18/JUN/08
B	ISSUED FOR 90% REVIEW	18/APR/09
A	ISSUED FOR 60% REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE

A

C

A detail number
number du detail

A

B

C

B source drawing no.
de dessin no.

C detail on drawing no.
detail sur dessin no.

project title

KICKING HORSE & MONARCH CAMPGROUND

titre du projet

project title

YOH0 NATIONAL PARK

titre du projet

drawing title

WASHROOM AND SHOWER POWER PLAN

titre du dessin

designed by

JR

conçu par

drawn by

RK

dessiné par

approved by

JR

approuvé par

PCA Project Manager

Kurt Devlin

Administrateur de Projets TPSGC

scale

AS SHOWN

échelle

sheet

feuille

project no.

60551150

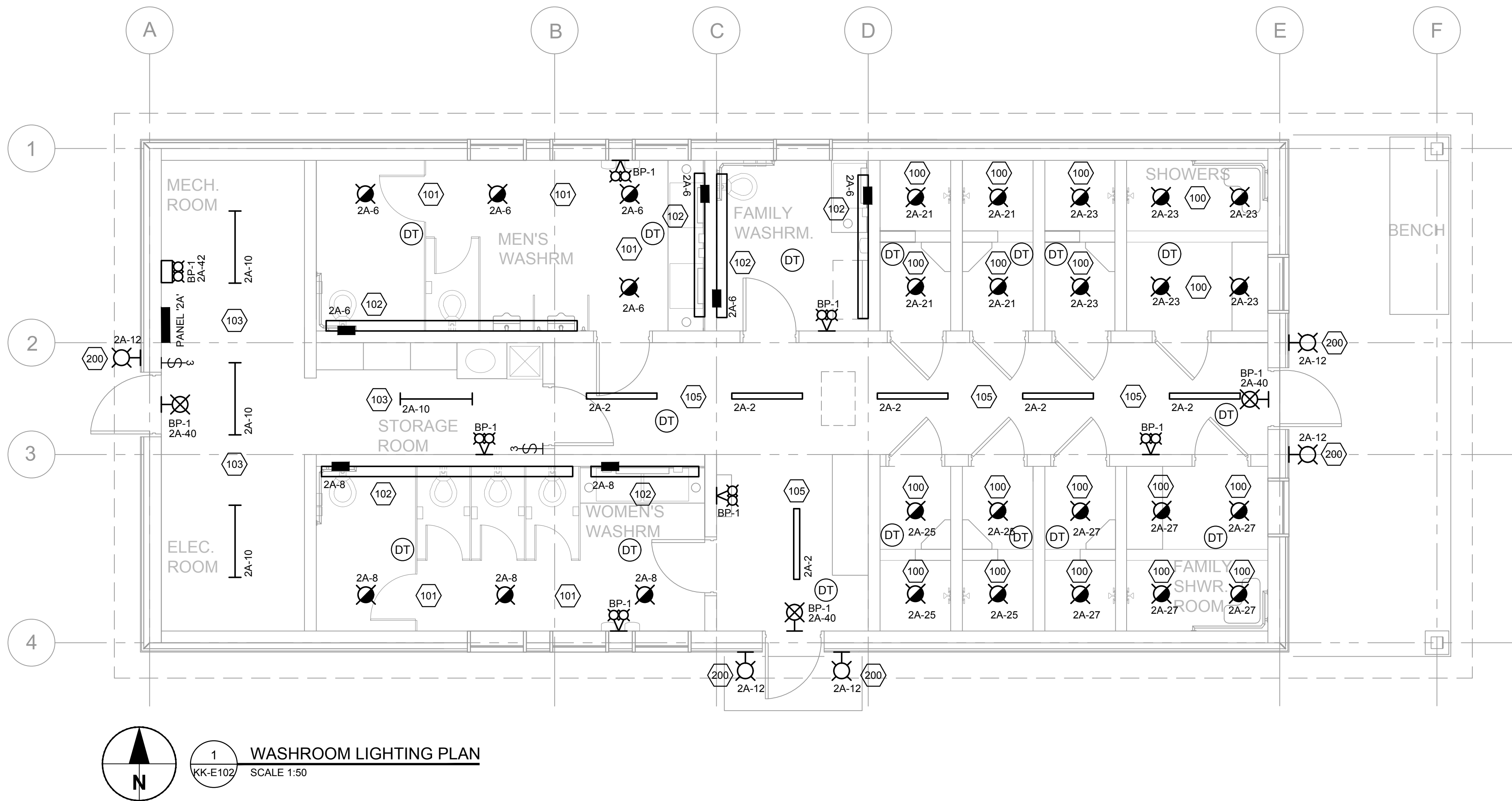
projet no.

KW-E101

date

MAR 2018

date

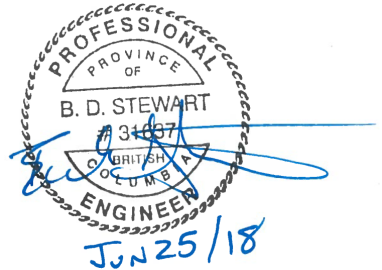


- NOTES:**
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
 - ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SYMBOLS SHOWN ARE NOT TO SCALE. LOCATIONS SHOWN REFLECT DESIGN INTENT AND MUST BE COORDINATED WITH ALL OTHER TRADES.
 - OCCUPANCY SENSORS TO BE CAPABLE OF CONTROLLING LIGHTS AND EXHAUST FANS. REFER TO MOTOR SCHEDULE FOR CONTROL SEQUENCE.
 - ELECTRICAL CONTRACTOR TO SIZE BATTERY PACK ACCORDING TO THE NUMBER OF REMOTE HEADS AND EXIT SIGNS.
 - SET ALL OCCUPANCY SENSORS SHOWN ON PLANS TO TURN OFF CONNECTED LIGHT FIXTURES WHEN SENSORS ARE INACTIVE FOR 10 MINUTES.
 - COORDINATE EXACT LOCATIONS OF ALL LUMINAIRES ON SITE WITH ARCHITECTURAL DRAWINGS AND MECHANICAL/STRUCTURAL COMPONENTS.

Client
Parks Canada Agency
L'Agence Parcs Canada

Consultant
AECOM
101 - 18817 Stony Plain Rd NW
Edmonton, Alberta
Canada

Conseiller



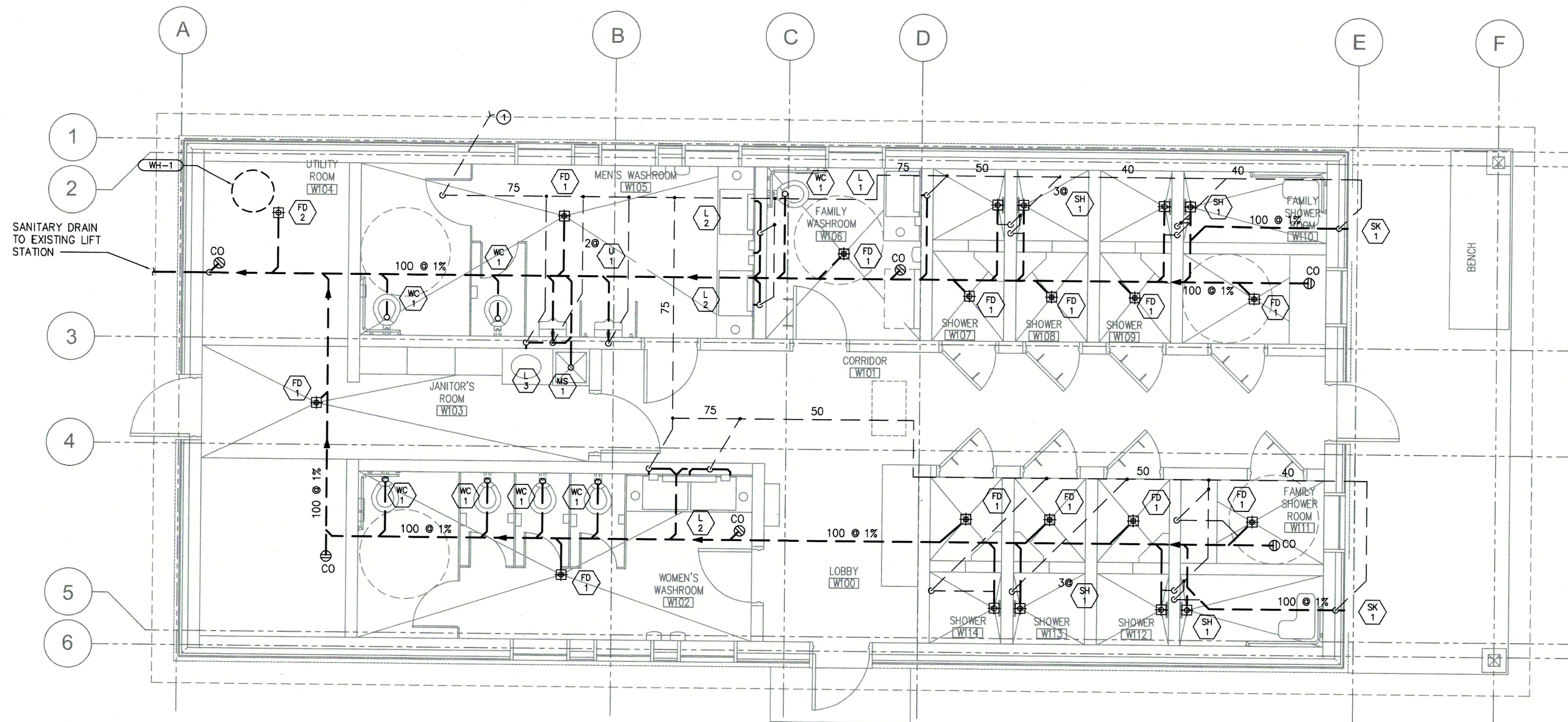
REVISIONS	DESCRIPTION	DATE
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B	ISSUED FOR 90% REVIEW	18/APR/09
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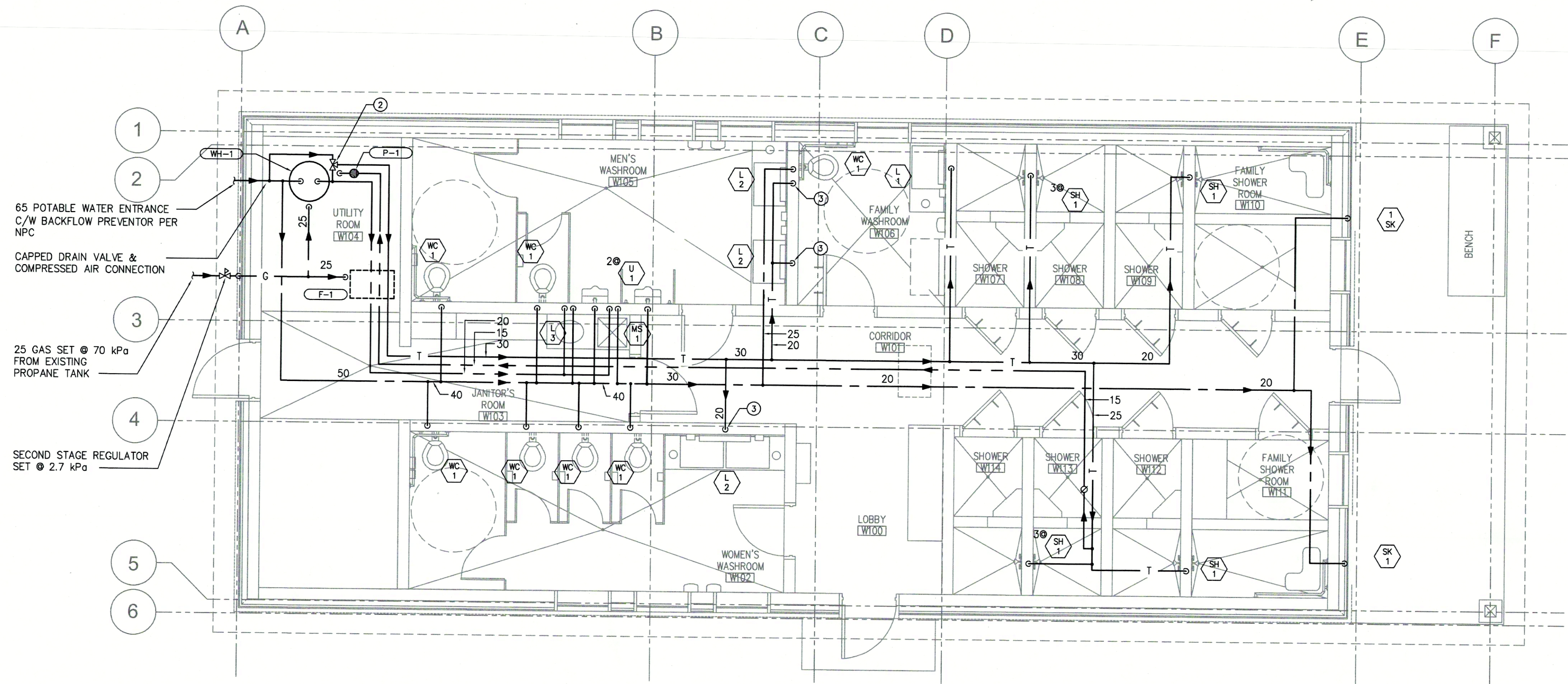
project title
KICKING HORSE & MONARCH CAMPGROUND
YOHO NATIONAL PARK

drawing title
WASHROOM AND SHOWER LIGHTING PLAN

designed by	JR	conçu par
drawn by	RK	dessiné par
approved by	JR	approuvé par
PCA Project Manager	Kurt Devlin	Administrateur de Projets TPSGC
scale	AS SHOWN	échelle
project no.	60551150	proj. no.
date	MAR 2018	date



1 FLOOR PLAN - SANITARY
KW-M110 1:50



2 FLOOR PLAN - PLUMBING
KW-M110 1:50

GENERAL NOTE:

1. HEAT TRACE ALL ABOVE GROUND DOMESTIC WATER PIPING TO PROTECT FROM FREEZING.

KEYNOTES:

- 75 VENT UP & INCREASE TO 100 VENT THROUGH ROOF.
- TEMPERED WATER MIXING VALVE.
- CONNECT TO TWO (2) LAVATORY FAUCETS.

PLUMBING FIXTURE SIZE					
TAG	SANITARY	VENT	DCW	DHW	TEMP WATER
L 1	50	30	-	-	15
L 2	50	30	-	-	15
L 3	50	30	15	15	-
U 1	50	30	20	-	-
WC 1	100	-	25	-	-
SH 1	50	30	-	-	15
SK 1	50	30	15	-	-
MS 1	100	30	15	15	-
FD 1	100	-	-	-	-
FD 2	100	-	-	-	-

Client

Parks Canada
Agency

L'Agence Parcs
Canada

Consultant

AECOM

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Calgary, Alberta T2C 5P2
Canada

Conseiller

PROFESSIONAL
ENGINEER
T.A. HERRLER
47033
C.B.T.I.C. (C.B.T.I.C.)
2018.06.27

project title

**KICKING HORSE
CAMPGROUND IMPROVEMENTS**

designed by

TH

drawn by

PC

approved by

PCA Project Manager

Kurt Devlin

scale

echelle

project no.

60551150

date

APR 2018

titre du projet

**KICKING HORSE
CAMPGROUND IMPROVEMENTS**

YOHO NATIONAL PARK

CG SHOWER
PLUMBING FLOOR PLAN

designed by

TH

drawn by

PC

approved by

PCA Project Manager

Kurt Devlin

scale

echelle

project no.

60551150

date

APR 2018

titre du projet

**KICKING HORSE
CAMPGROUND IMPROVEMENTS**

YOHO NATIONAL PARK

CG SHOWER
PLUMBING FLOOR PLAN

designed by

TH

drawn by

PC

approved by

PCA Project Manager

Kurt Devlin

scale

echelle

project no.

60551150

date

APR 2018

titre du projet

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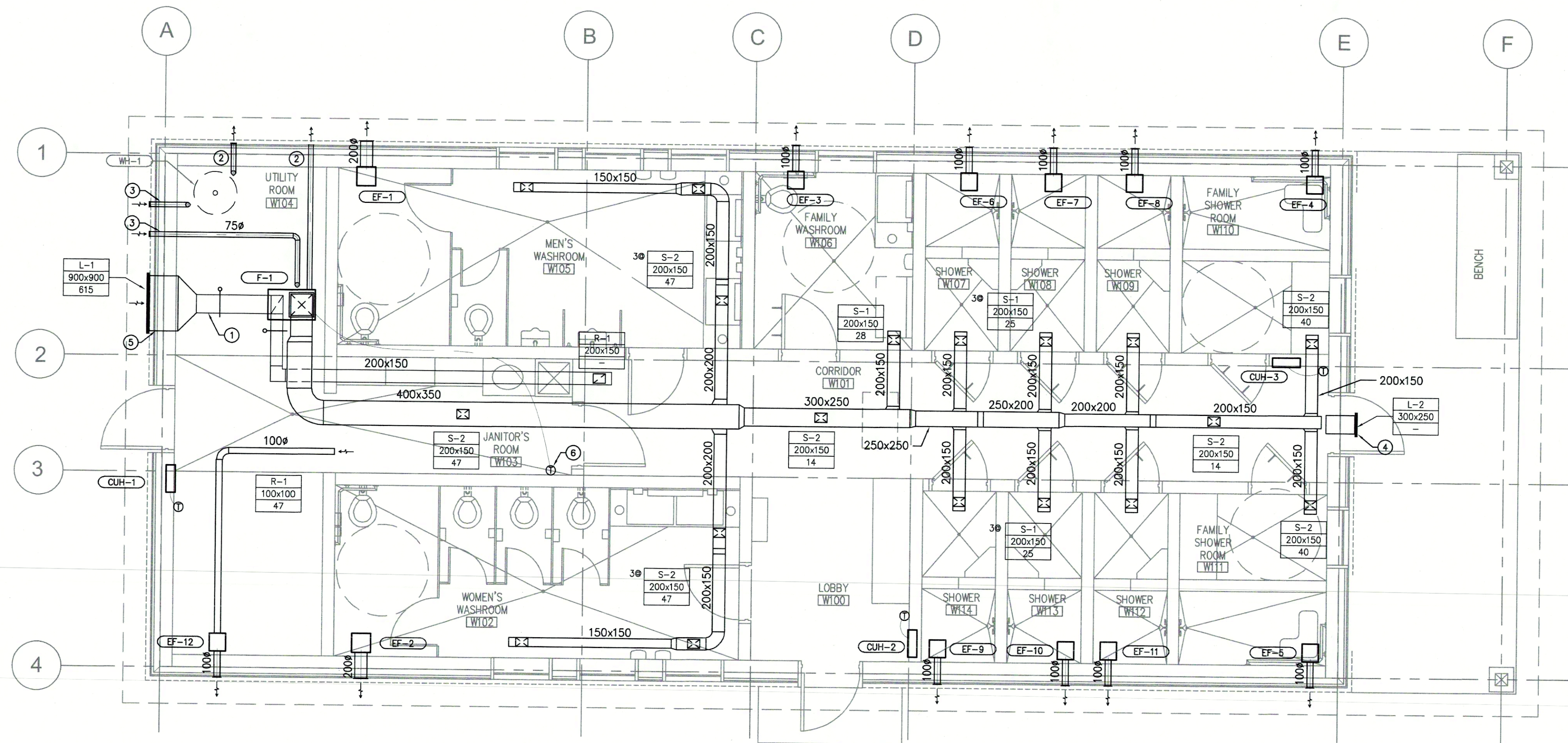
project no.

60551150

date

APR 2018

60551150-SHT-00-0000-X-XXXX_RX.DWG



1 FLOOR PLAN - VENTILATION
KW-M130 1:50

KEYNOTES:

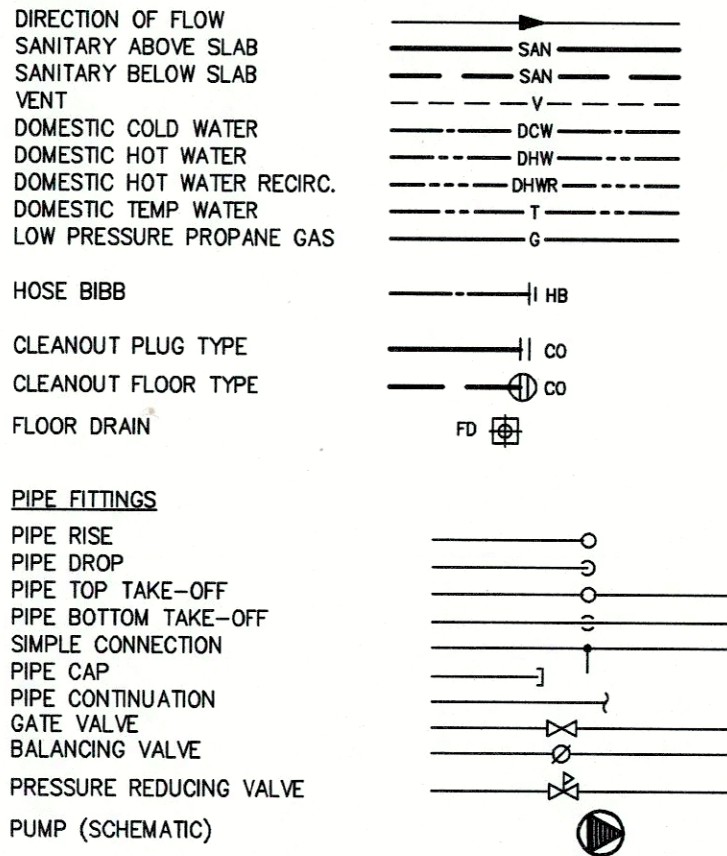
- 300x300 OUTDOOR AIR DUCT.
- 75# POWERED FLUE TO GAS APPLIANCE.
- 75# COMBUSTION AIR TO GAS APPLIANCE.
- RELIEF AIR VENT C/W GRAVITY RELIEF DAMPER, FIELD ADJUST WITH WEIGHTS AT TIME OF AIR BALANCING.
- OUTSIDE AIR INTAKE LOUVRE C/W BACK DRAFT DAMPER.
- THERMOSTAT TO BE PROGRAMMABLE MODEL WITH DAILY SET POINTS TO CORRESPOND TO BUILDING OCCUPANCY AS OUTLINE BY PARKS.



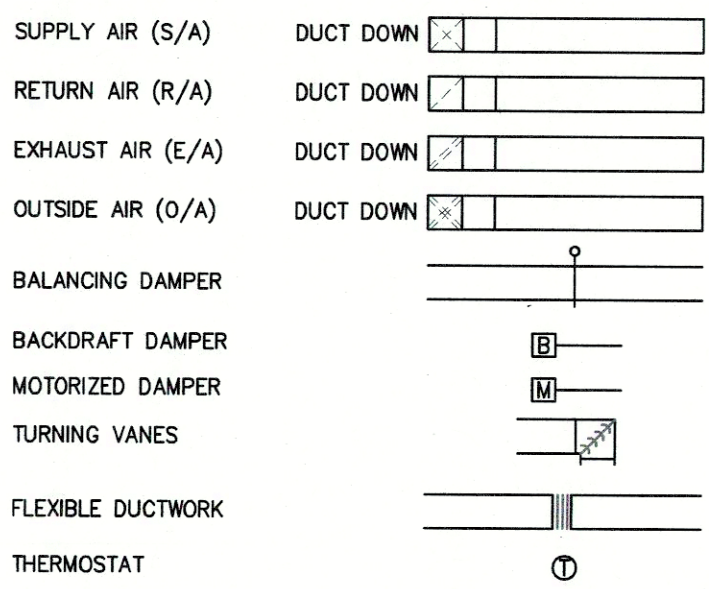
C	ISSUED FOR TENDER	18/JUNE/08
B	ISSUED FOR 90% REVIEW	09/APR/2018
A	ISSUED FOR 60% REVIEW	09/MAR/2018
REVISIONS	DESCRIPTION	DATE
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project title		titre du projet
<div>KICKING HORSE CAMPGROUND IMPROVEMENTS</div> <div>YOHO NATIONAL PARK</div>		
drawing title		titre du dessin
<div>CG SHOWER VENTILATION FLOOR PLAN</div>		
designed by		conçu par
TH		
drawn by		dessiné par
PC		
approved by		approuvé par
PCA Project Manager		Administrateur de Projets TPSGC
Kurt Devlin		
scale	echelle	sheet
scale	echelle	feuille
project no.	project no.	KW-M130
60551150		
date	date	
APR 2018		

MECHANICAL LEGEND & SYMBOLS

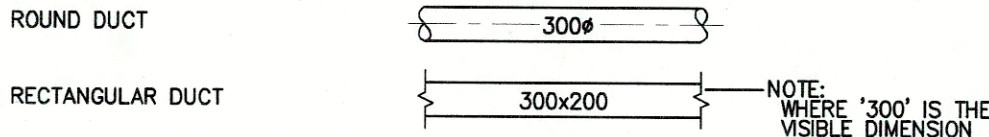
PLUMBING



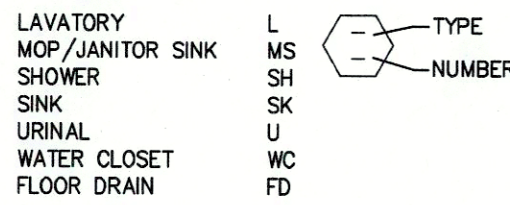
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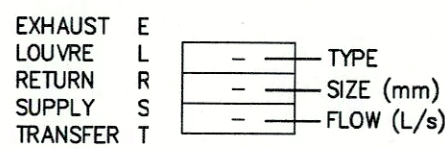
DUCT DIMENSIONING



PLUMBING FIXTURE TAG



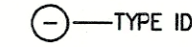
AIR OUTLET TAG



REVISION TAG



KEY NOTE TAG



GAS FIRED DOMESTIC WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	GAS INPUT (kW)	VOLUME (L)	RECOVERY RATE (L/HR) / TEMP. RISE (°C)	ELECTRICAL DATA		TANK DIMENSIONS (mm)	FLUE SIZE (mm)	NOTES
							MOTOR (HP)	VOLTAGE (V / Ph / Hz)			
WH-1	MECH. ROOM	A. O. SMITH	CYCLONE Mxi BTH-250	73	379	1835 / 33	1/4	120/1/60	705 Ø X 1950 H	75	1
Notes: 1. PROPANE SERVICE, DIRECT VENT 2. BURNER TO BE RATED FOR 1830 m (6000ft) ABOVE SEA LEVEL											

GRILLE, DIFFUSER AND LOUVER SCHEDULE

TAG	SERVICE	MANUFACTURER	MODEL	FACE SIZE (mm)	NOTES
L-1	OUTDOOR AIR LOUVRE	GREENHECK	SEH-401	900x900	1,2,3
L-2	RELIEF AIR LOUVRE	GREENHECK	SEH-401	300x300	1,2
S-1	SUPPLY AIR	PRICE	AMCD	-	4
S-2	SUPPLY AIR	PRICE	AMCD	-	4
R-1	RETURN AIR	PRICE	85 SERIES	-	4
Notes: 1. SIZE AND LOCATION TO BE CONFIRMED 2. COMPLETE WITH GRAVITY RELIEF DAMPER, AND BIRDSCREEN 3. COMPLETE WITH BACKDRAFT DAMPER AND BIRDSCREEN 4. SEE DRAWINGS FOR SIZE AND FLOW REQUIREMENTS, SURFACE MOUNT					

CABINET UNIT HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL	HEATING CAPACITY (kW)	ELECTRICAL DATA		NOTES
					MOTOR (HP)	VOLTAGE (V / Ph / Hz)	
CUH-1	STORAGE ROOM	REZNOR	EBHB	0.75	1/4	120/1/60	1
CUH-2	CORRIDOR	REZNOR	EBHB	0.75	1/4	120/1/60	1
CUH-3	CORRIDOR	REZNOR	EBHB	0.75	1/4	120/1/60	1
Notes: 1. ELECTRIC BASEBOARD HEATER C/W WALL MOUNTED THERMOSTAT, RECESSED UNIT, TAMPER PROOF CONTROLS							

PUMP SCHEDULE

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL	SIZE	FLUID DATA			ELECTRICAL DATA		NOTES
						MEDIA	FLOW (L/s)	HEAD (kPa)	MOTOR (HP)	VOLTAGE (V / Ph / Hz)	
P-1	DHW RECIRC.	MECH. ROOM	GRUNDFOS	UP 10-16 PM	BU/LC	WATER	0.03	12	0.125	120/1/60	
Notes:											

GAS FIRED FURNACE SCHEDULE

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL	GAS INPUT (kW)	HEATING OUTPUT (kW)	AIR DATA				ELECTRICAL DATA		DIMENSIONS L x W x H (mm)	NOTES
							FLOW (L/s)	E.S.P. (Pa)	E.A.T. (°C)	L.A.T. (°C)	MOTOR (HP)	VOLTAGE (V / Ph / Hz)		
F-1	MAKE UP AIR	MECH. ROOM	TRANE	TUHCM100ACV4VB	29.3	28.1	620	125	-15	10	1/4	120/1/60	772 x 582 x 1060	1,2,3
Notes: 1. 100% OUTDOOR AIR UNIT, PROPANE SERVICE, DIRECT VENT, STAINLESS STEEL HEAT EXCHANGER 2. FURNACE FAN TO BE INTERLOCKED WITH ALL EXHAUST FANS IN GROUPS, FAN GROUPS TO BE EQUAL SIZE BASED ON NUMBER OF BLOWER FAN SETTINGS AVAILABLE. BLOWER SPEED TO STEP BASED ON NUMBER OF EXHAUST FAN GROUPS OPERATING. BURNER TO MODULATE BASED ON THERMOSTAT. 3. BURNER TO BE RATED FOR 1830 m (6000ft) ABOVE SEA LEVEL														

FAN SCHEDULE

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL	AIR DATA			ELECTRICAL DATA		NOTES
					FLOW (L/s)	E.S.P. (Pa)	RPM	MOTOR (HP)	VOLTAGE (V / Ph / Hz)	
EF-1	EXHAUST	MEN'S WASHROOM	BROAN	L300MG	140	65	885	0.25	120/1/60	1,3
EF-2	EXHAUST	WOMEN'S WASHROOM	BROAN	L300MG	140	65	885	0.25	120/1/60	1,3
EF-3	EXHAUST	FAMILY WASHROOM	BROAN	ZB80	28	65	985	0.125	120/1/60	1,3
EF-4	EXHAUST	LARGE SHOWER	BROAN	QTRE100H	40	65	985	0.125	120/1/60	2,3
EF-5	EXHAUST	FAMILY SHOWER ROOM	BROAN	QTRE100H	40	65	985	0.125	120/1/60	2,3
EF-6	EXHAUST	SHOWER ROOM	BROAN	QTRE080H	25	65	985	0.125	120/1/60	2,3
EF-7	EXHAUST	SHOWER ROOM	BROAN	QTRE080H	25	65	985	0.125	120/1/60	2,3
EF-8	EXHAUST	SHOWER ROOM	BROAN	QTRE080H	25	65	985	0.125	120/1/60	2,3
EF-9	EXHAUST	SHOWER ROOM	BROAN	QTRE080H	25	65	985	0.125	120/1/60	2,3
EF-10	EXHAUST	SHOWER ROOM	BROAN	QTRE080H	25	65	985	0.125	120/1/60	2,3
EF-11	EXHAUST	SHOWER ROOM	BROAN	QTRE080H	25	65	985	0.125	120/1/60	2,3
EF-12	EXHAUST	UTILITY ROOM	BROAN	QTRE100H	40	65	985	0.125	120/1/60	2,3
Notes: 1. INTERLOCK WITH LIGHT SWITCH OR OCCUPANCY SENSOR WITH TIMER TO RUN 15 MINUTES AFTER LIGHT IS OFF 2. HUMIDITY SENSING FAN TO RUN IF HUMIDITY IS ABOVE 60% RH (FIELD ADJUSTABLE), HUMIDISTAT SHIPPED LOOSE FOR FIELD INSTALLATION 3. EXTERIOR WALL PENETRATION TO BE CAPPED WITH BACKDRAFT DAMPER, BIRDSCREEN, AND WEATHER HOOD										

CODE COMPLIANCE:

- NATIONAL BUILDING CODE 2015.
- NATIONAL PLUMBING CODE 2015.
- NATIONAL FIRE CODE 2015.
- NATURAL GAS AND PROPANE INSTALLATION CODE CSA B149.1-2015.
- ASHRAE 62.1-2016 VENTILATION FOR ACCEPTABLE INDOOR AIR QUANTITY.
- NATIONAL ENERGY CODE FOR BUILDINGS, 2015, PRESCRIPTIVE PATH.

GENERAL NOTES:

ALL EQUIPMENT IN ACCESSIBLE PUBLIC SPACES TO BE TAMPER PROOF & VANDAL RESISTANT.



C	ISSUED FOR TENDER	18/JUNE/08
B	ISSUED FOR 90% REVIEW	08/APR/2018
A	ISSUED FOR 60% REVIEW	06/MAR/2018
REVISIONS	DESCRIPTION	DATE

A	C	A	B	C
A detail number number du detail B source drawing no. de dessin no. C detail on drawing no. detail sur dessin no.				

project title
CAMPGROUND IMPROVEMENTS
titre du projet

YOHO NATIONAL PARK

drawing title
MECHANICAL LEGEND AND SCHEDULES
titre du dessin

designed by
TH
conçu par

drawn by
PC
dessiné par

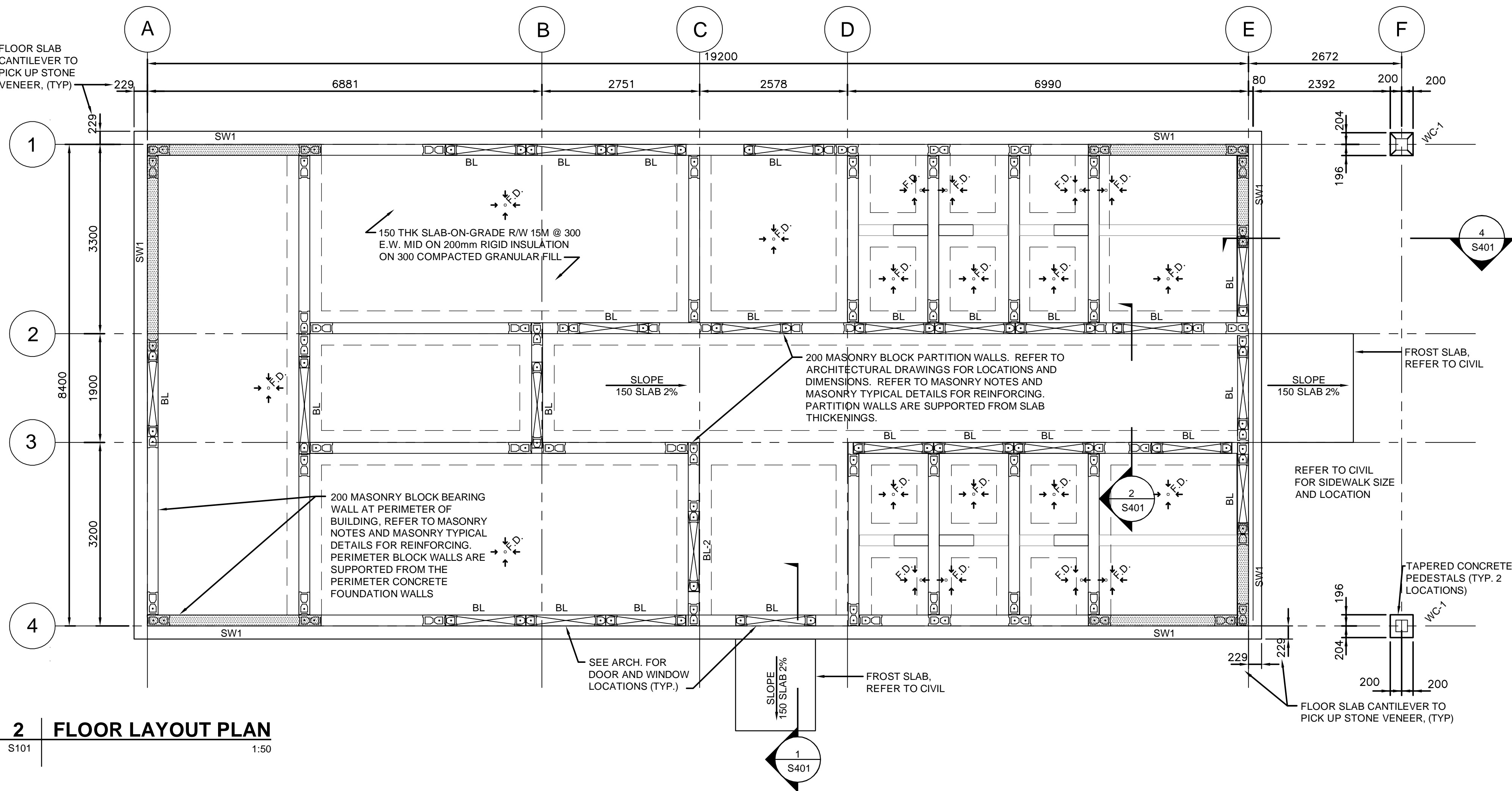
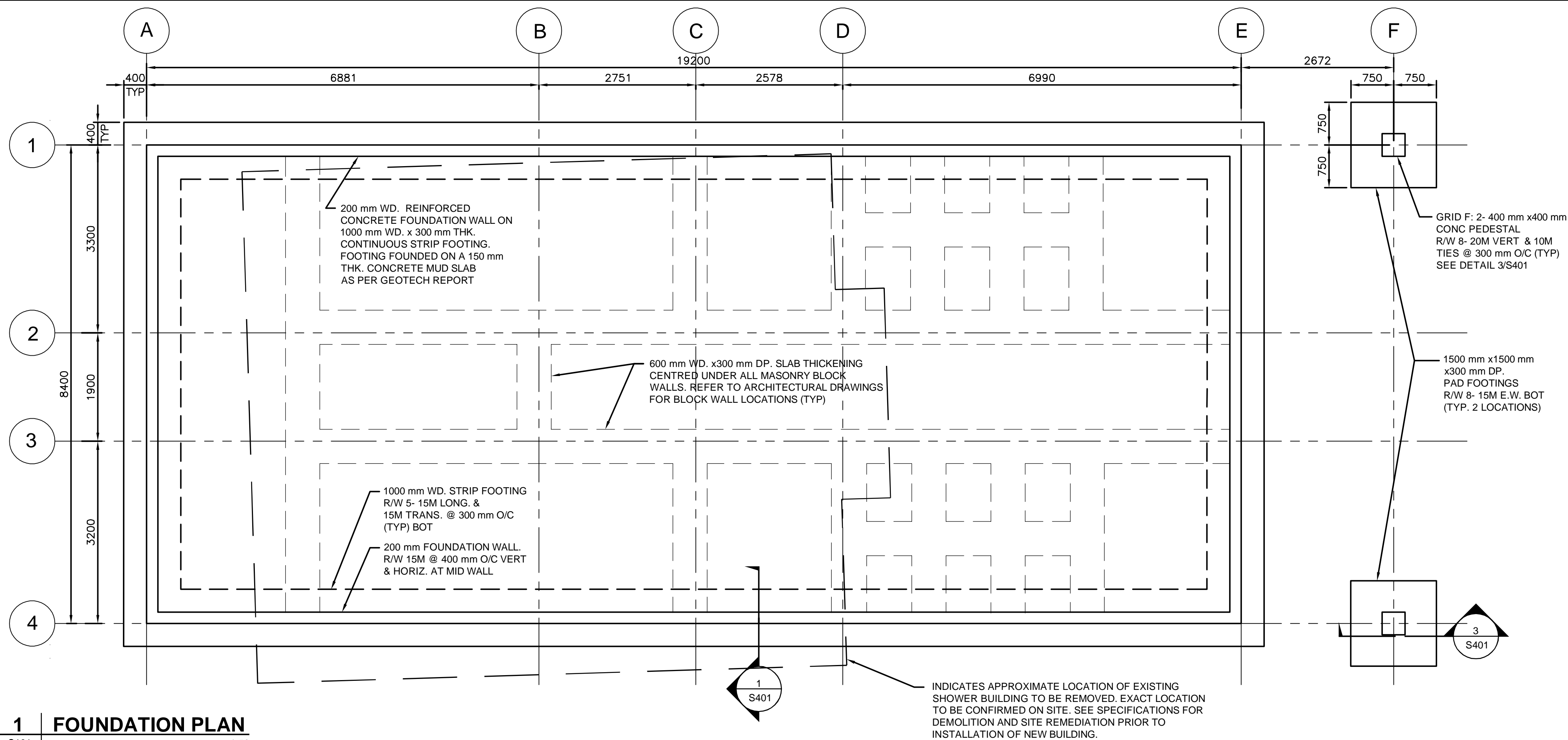
approved by
Kurt Devlin
approuvé par

PCA Project Manager
Kurt Devlin
Administrateur de Projets TPSGC

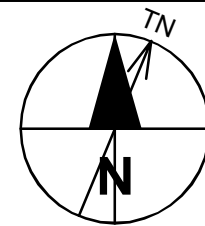
scale
echelle
sheet
feuille

project no.
60551150
projet no.

date
APR 2018
date



- DRAWING LEGEND:**
- F.D. - FLOOR DRAINS, SEE MECHANICAL FOR TYPE AND ARCHITECTURAL DRAWINGS FOR LOCATIONS AND FLOOR SLOPE EXTENTS
 - WC-1 - 191 x 191 SPF No2 COLUMN - SEE ARCH FOR FINISH
 - BL - MASONRY BLOCK LINTELS, SEE MASONRY NOTES ON DWG. G-S002 FOR SIZE AND REINFORCING
 - CONCRETE CORE FILL. MASONRY BLOCK C/W 1- 15M VERT.
 - SW1 - REINFORCE AS PER GENERAL NOTES.



REVISIONS	DESCRIPTION	DATE
C	ISSUED FOR TENDER	2018 JUNE 08
B	ISSUED FOR 90% REVIEW	2018 APR. 25
A	ISSUED FOR 60% CLIENT REVIEW	2018 MAR. 09

A	detail number number du detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

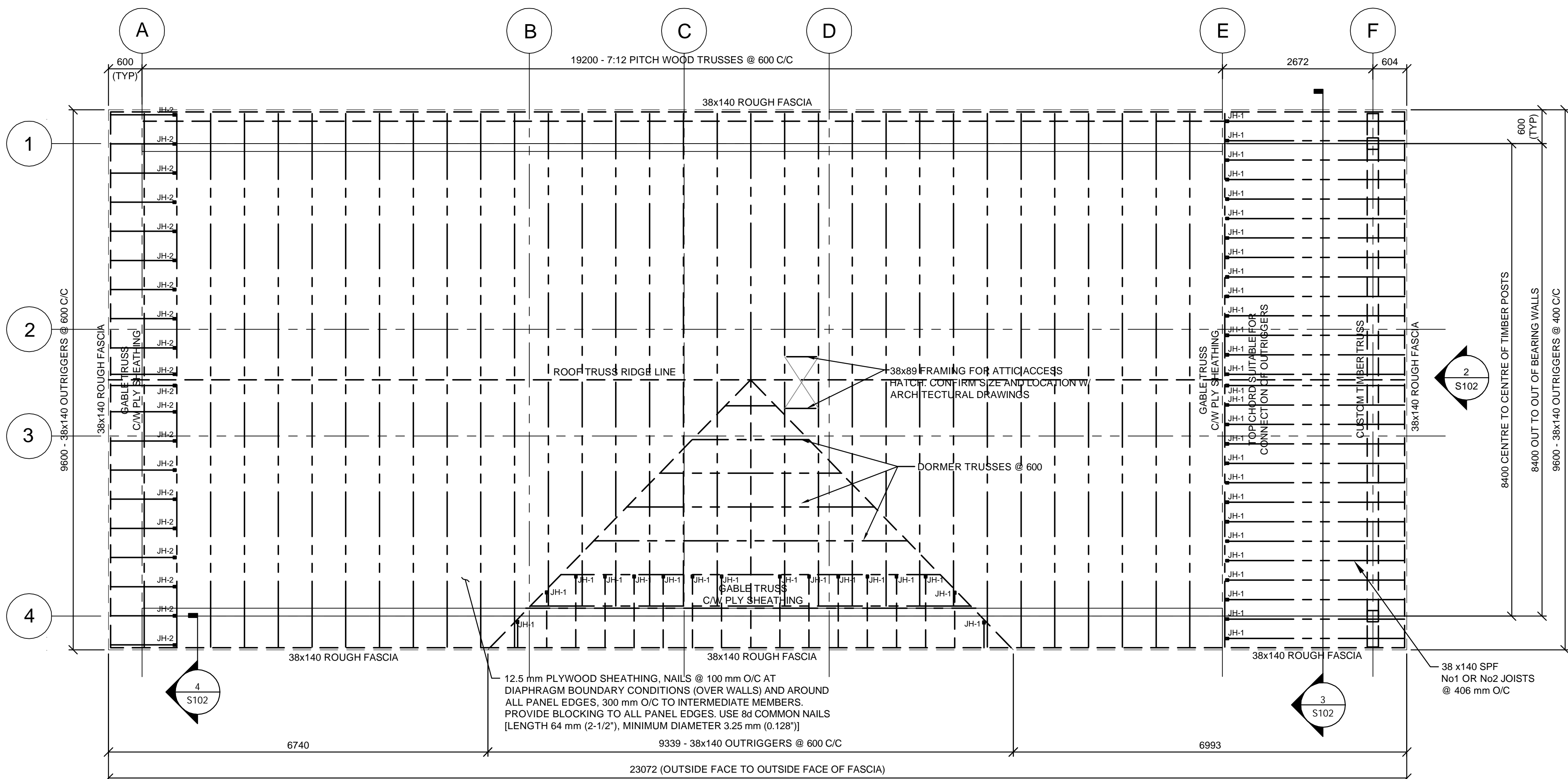
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titre du projet: **KICKING HORSE & MONARCH CAMPGROUND**
YOHO NATIONAL PARK

drawing title: **WASHROOM/SHOWER BLDG FOUNDATION PLAN AND FLOOR PLAN**
titre du dessin: **WASHROOM/SHOWER BLDG FOUNDATION PLAN AND FLOOR PLAN**

designed by: Kurt Devlin	conçu par:
drawn by:	dessiné par:
approved by:	approuvé par:
PCA Project Manager: Kurt Devlin	Administrateur de Projets: TPSGC
scale:	échelle:
project no.: 60551150	projet no.: KW-S101
date: MAR 2018	date:

\\CACGY5FS001\PROD\PROJECTS\60551150\CAD-GIS\910-CAD\20-SHEETS\5\KW-S102-CAD\20-SHEETS\5\KW-S102-ROOF FRAMING PLAN & DETAILS.DWG

Project Management Initials: _____ Designer: _____ Checked: _____ Approved: _____



DRAWING LEGEND:

JH-1 SIMPSON STRONG TIE LUS26 HANGERS OR APPROVED EQUIVALENT (SUITABLE TO INSTALL ON SLOPE)

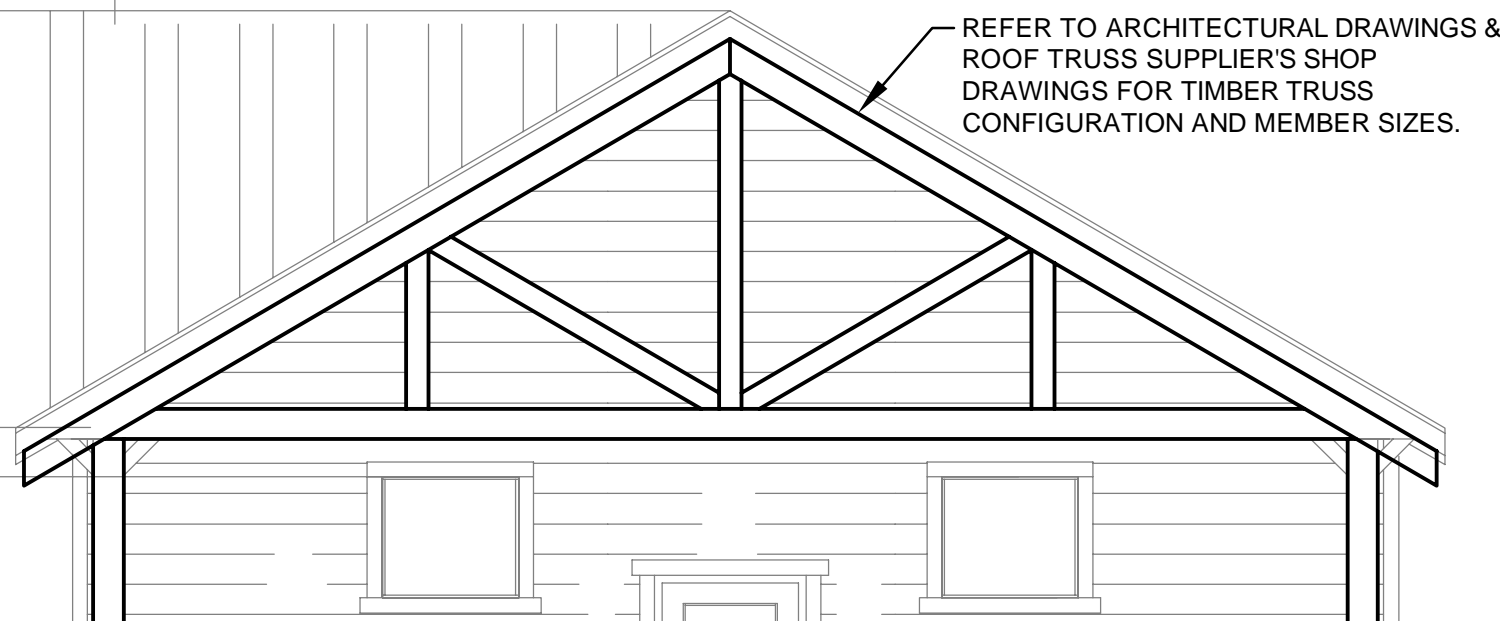
JH-2 SIMPSON STRONG TIE LB26 HANGERS OR APPROVED EQUIVALENT (SUITABLE TO INSTALL ON SLOPE)

ROOF DESIGN LOADS

DL: 1.2 kPa
LL: 3.6 kPa
WIND UPLIFT (NET): 0.7 kPa WITH INCREASE AT PERIMETER, AS PER 2015 NBCC.

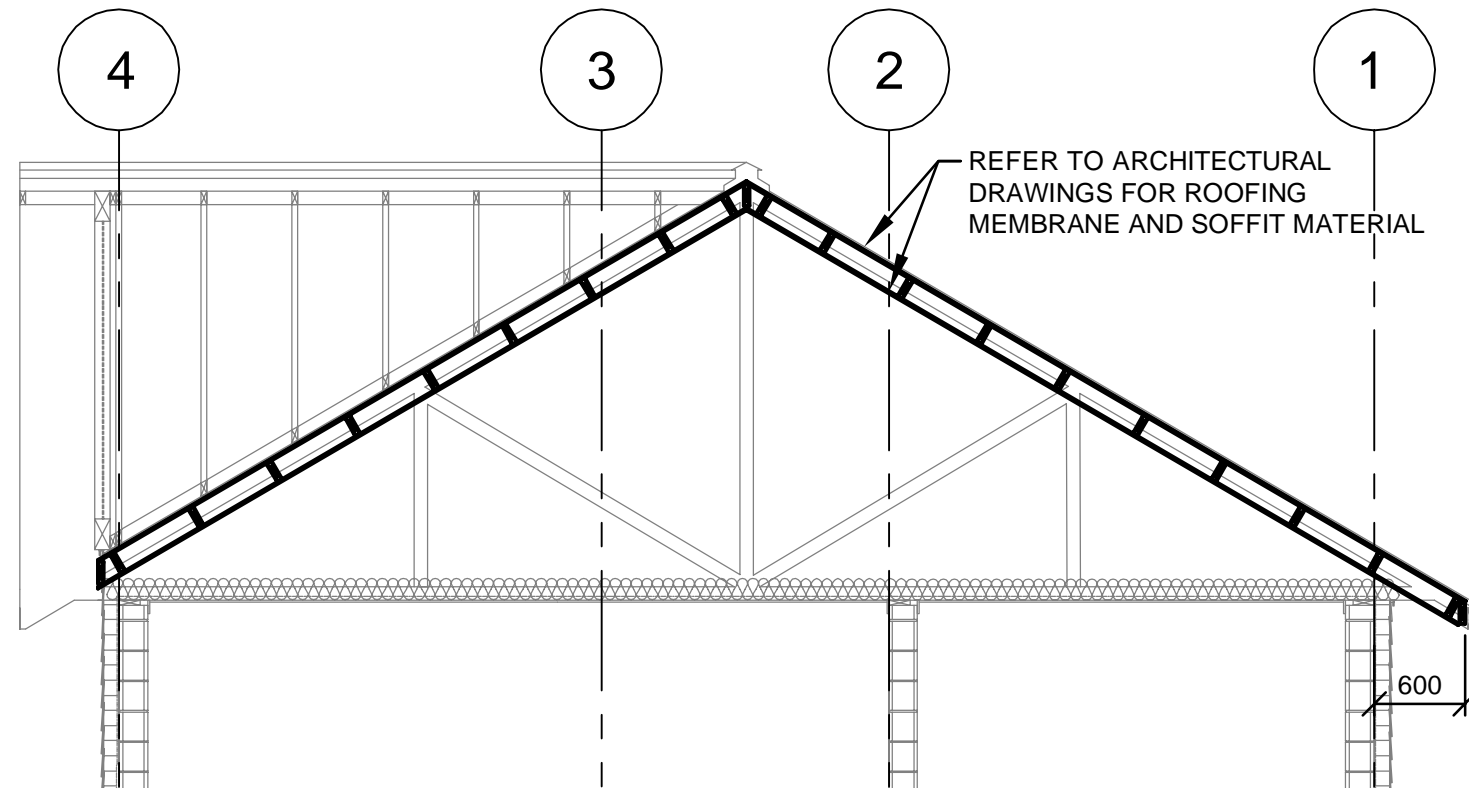
1 | ROOF FRAMING PLAN

S102 1:50



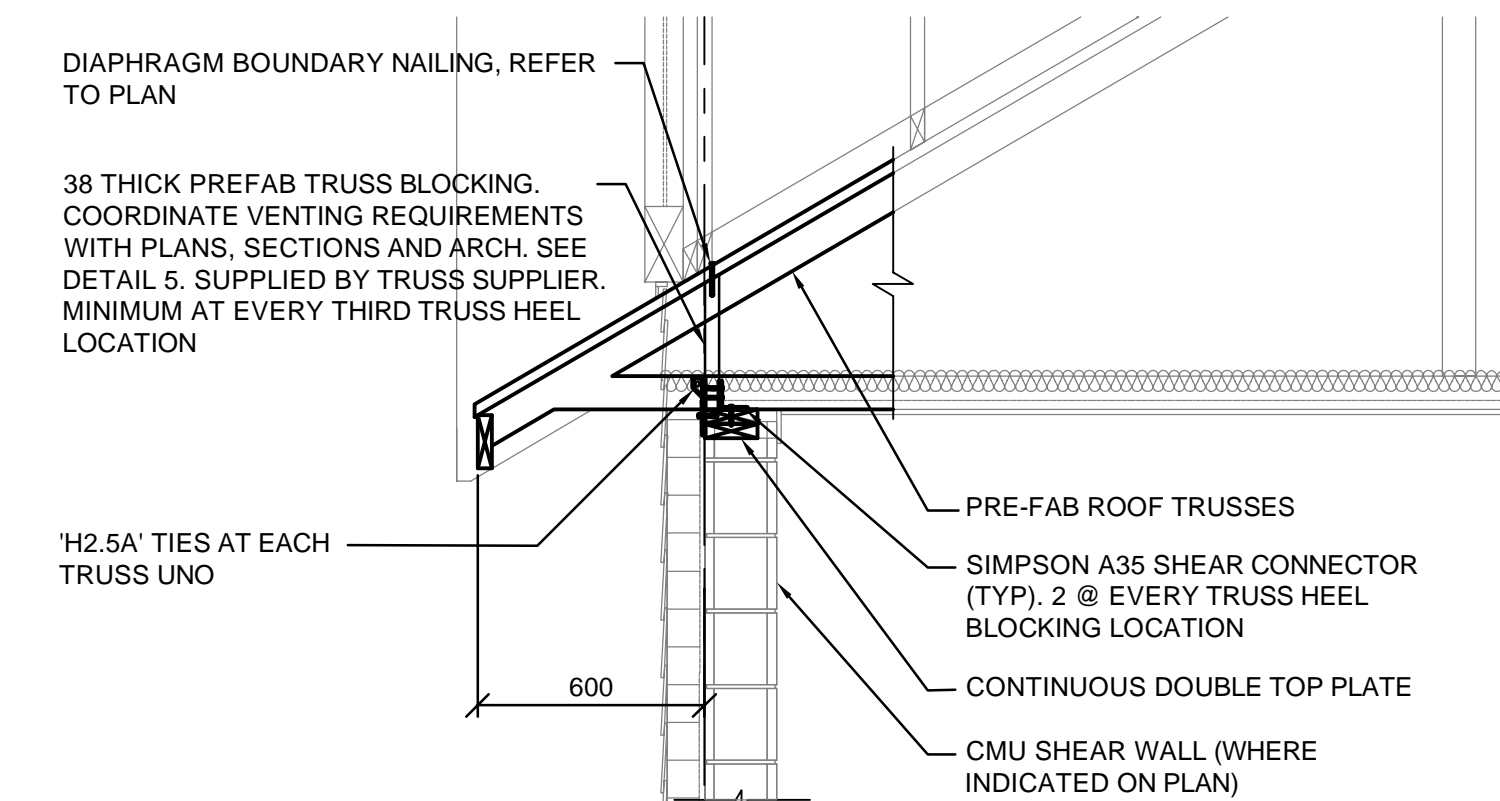
2 | TIMBER TRUSS ELEVATION

S102 1:50



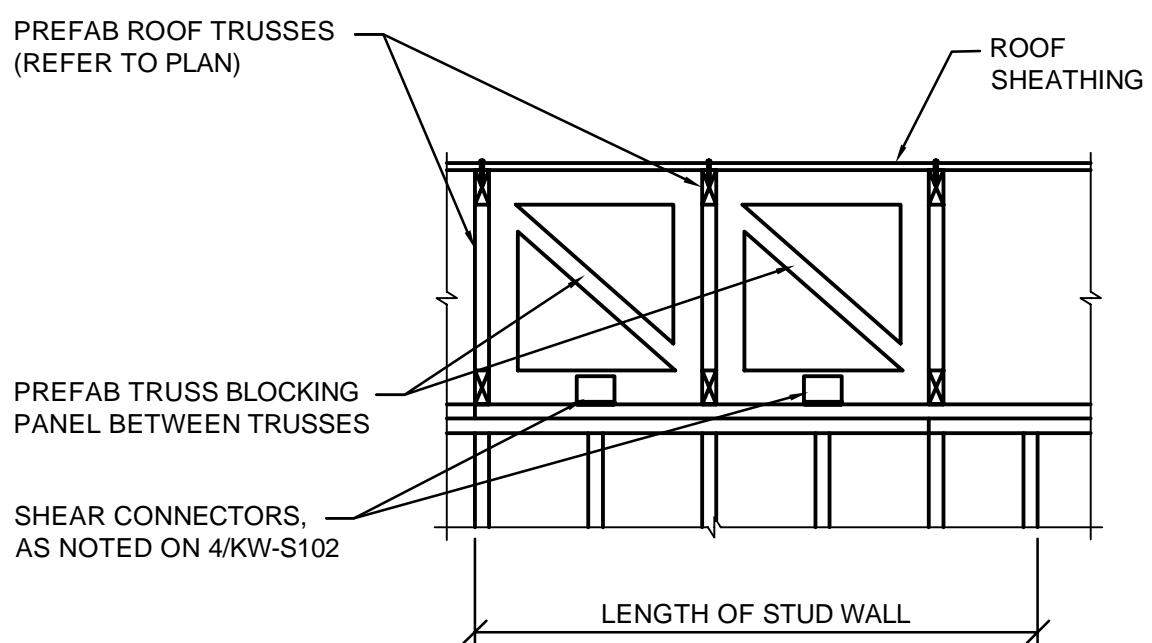
3 | CROSS SECTION AT ROOF OVERHANG

S102 1:50



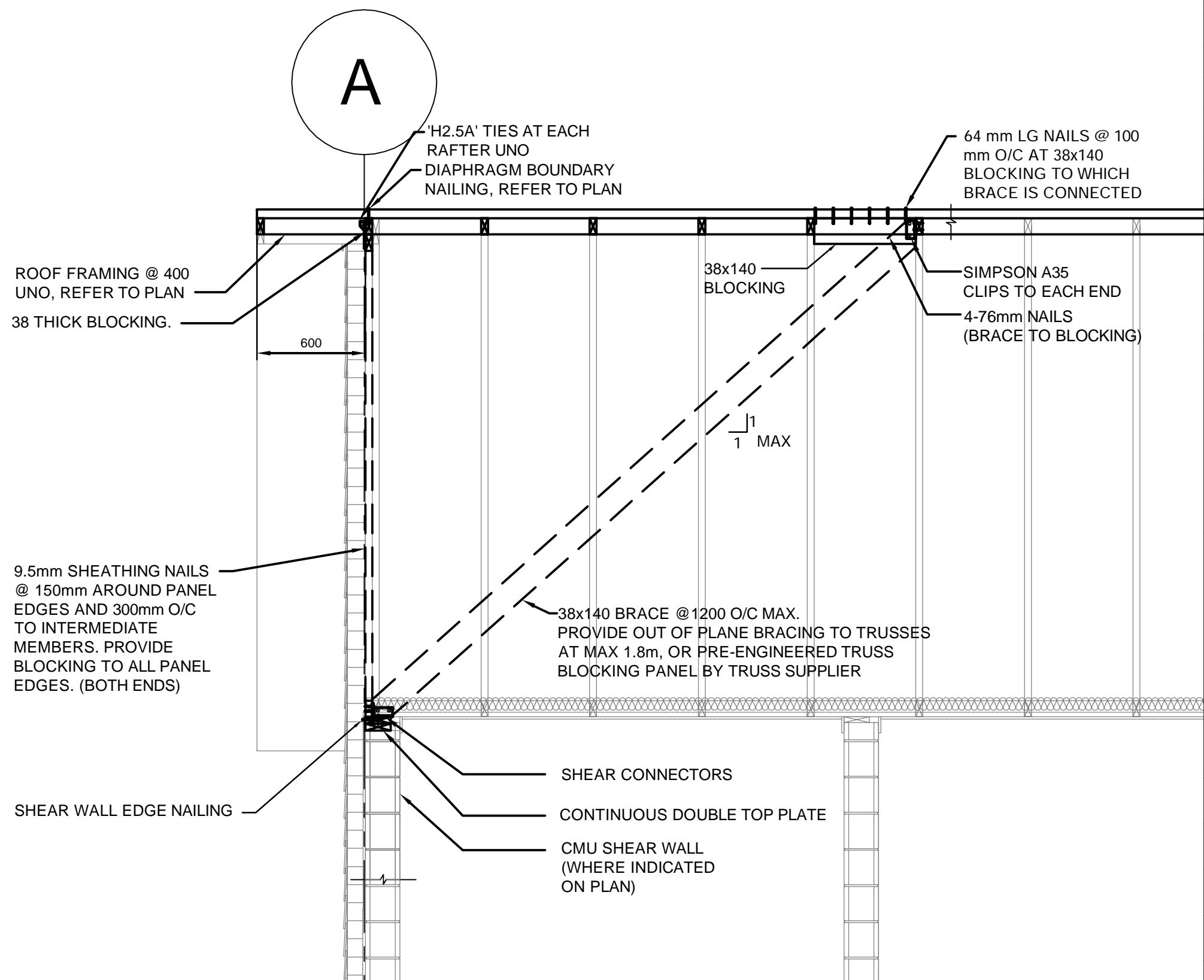
4 | TRUSS HEEL BLOCKING DETAIL

S102 1:20



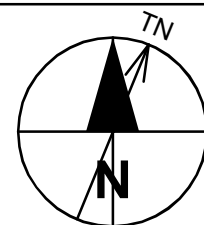
5 | TRUSS BLOCKING FRAME

S102 1:20



6 | END WALL BRACE

S102 1:25



Client
Canada Parks Canada
Agency
L'Agence Parcs
Canada

Consultant
AECOM

Conseiller

300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

NOTE:
AS PER GENERAL NOTES, PREFABRICATED WOOD TRUSSES SHOWN ON THE DRAWINGS TO BE DESIGNED WITH CONSIDERATION OF TRANSPORT, FABRICATION AND ERECTION, UNDER PART 4 OF THE BRITISH COLUMBIA BUILDING CODE AND IN ACCORDANCE WITH CSA 086. SUBMIT SHOP DRAWINGS FOR REVIEW, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA.



C	ISSUED FOR TENDER	2018 JUNE 08
B	ISSUED FOR 90% REVIEW	2018 APR. 25
A	ISSUED FOR 60% CLIENT REVIEW	2018 MAR. 09
REVISIONS	DESCRIPTION	DATE

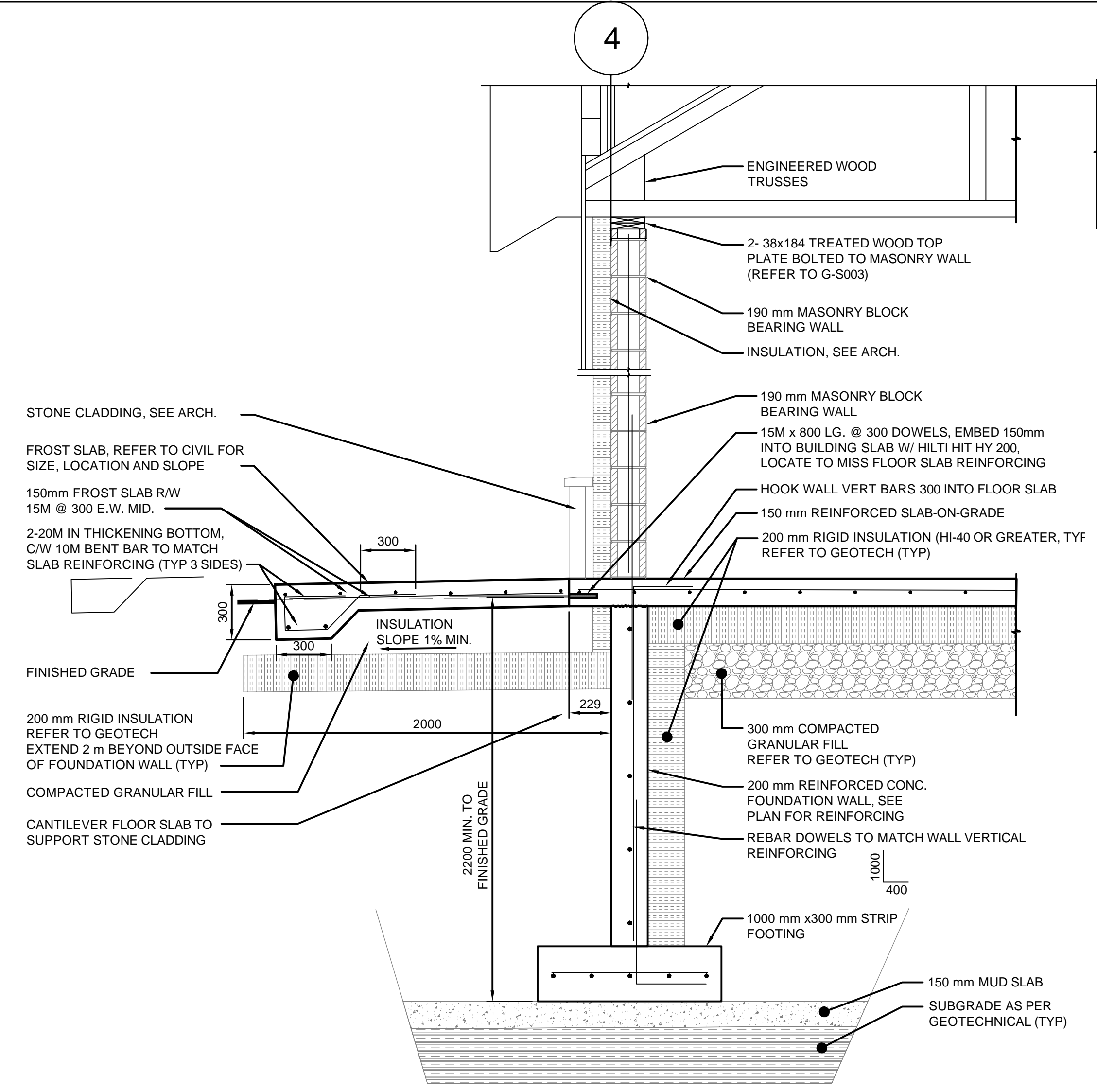
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project title
KICKING HORSE & MONARCH CAMPGROUND
titre du projet

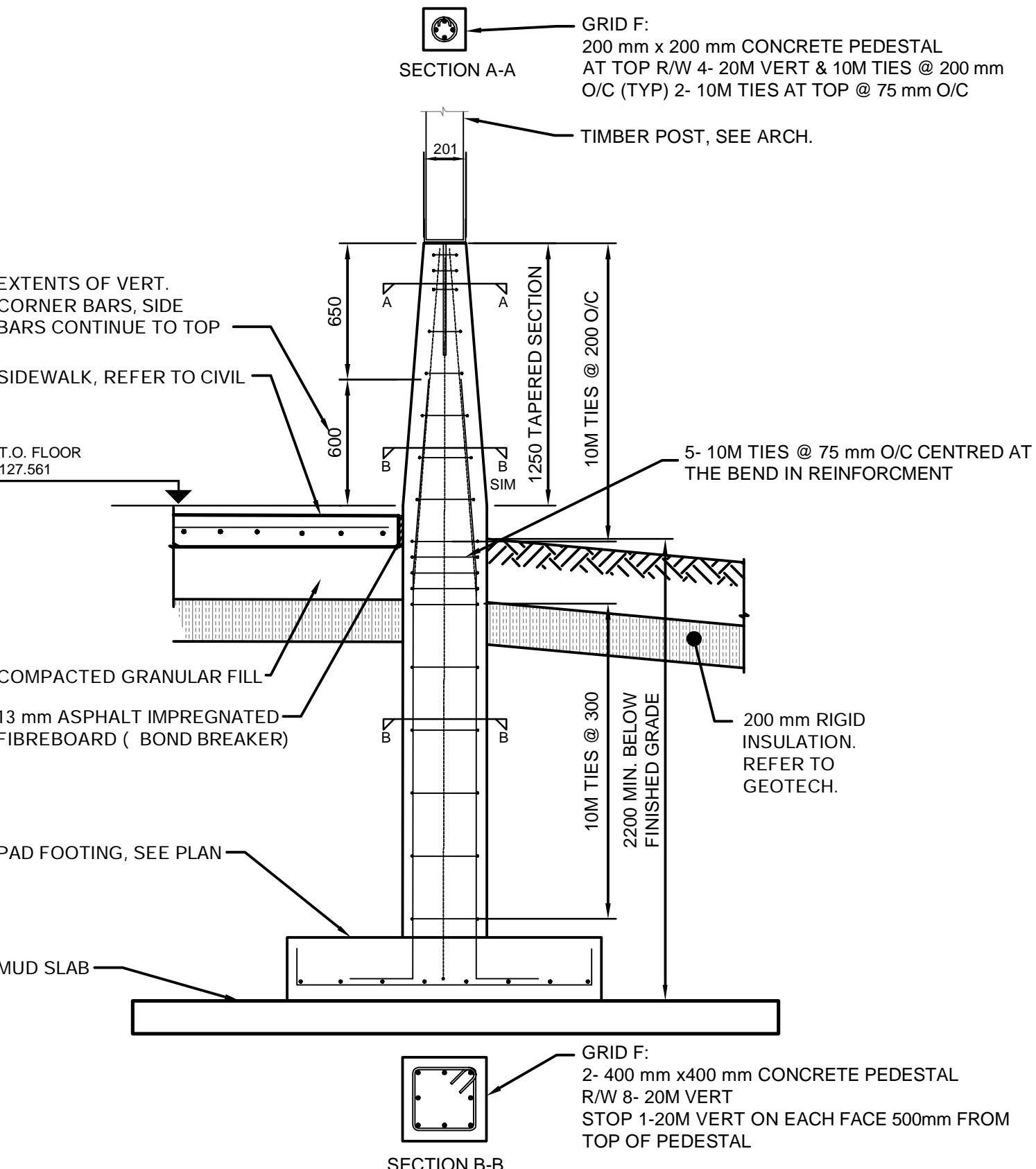
drawing title
WASHROOM/SOWER BLDG ROOF FRAMING PLAN NOTES AND DETAILS
titre du dessin

designed by	conçu par
drawn by	dessiné par
approved by	approuvé par
PCA Project Manager Kurt Devlin	Administrateur de Projets TPSGC
scale	échelle sheet feuille
project no. 60551150	proj. no. KW-S102
date MAR 2018	date

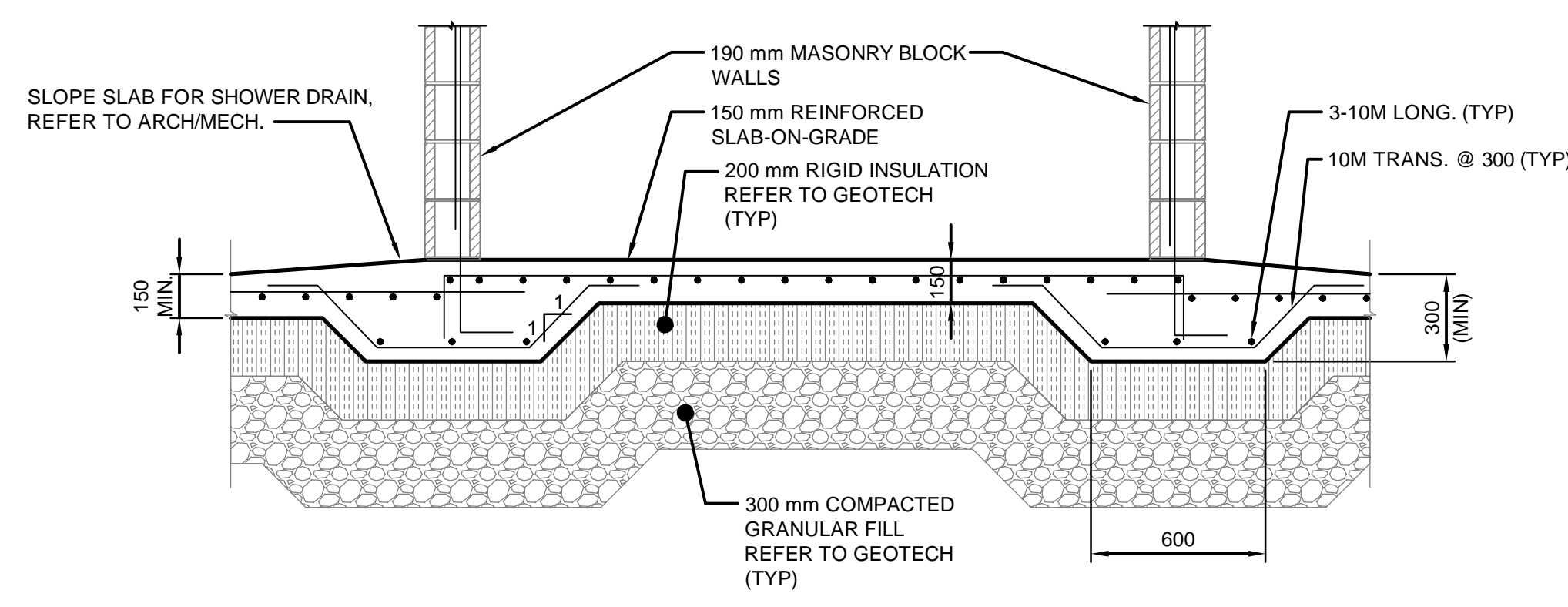
Project Management Initials: Designer: Checked: Approved: \\CACGY5FS001\PROD\PROJECTS\60551150\CAD-GIS\910-CAD\20-SHEETS\S\KW-S401-PLAN & SECTION DETAILS.DWG



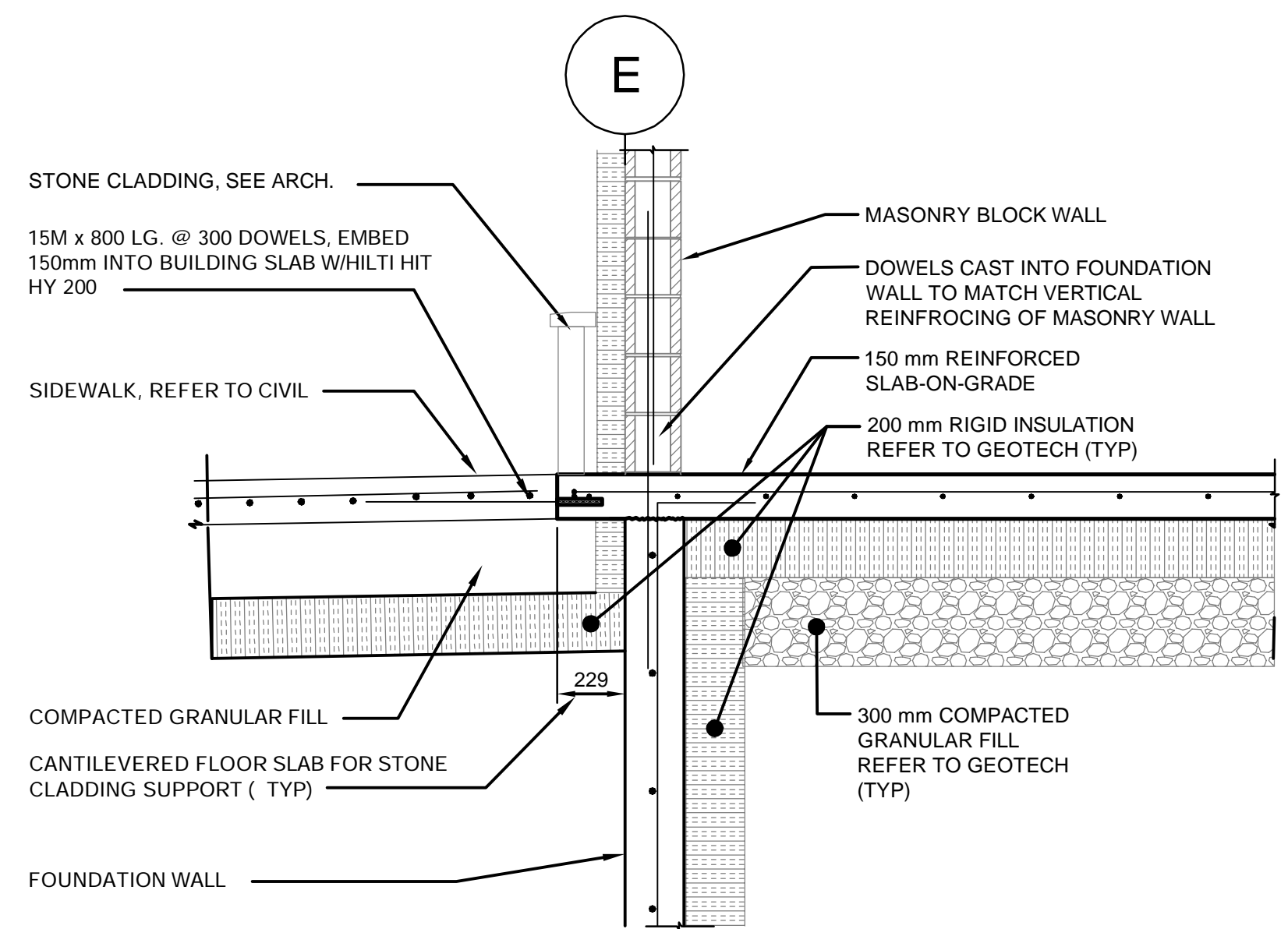
1 FOUNDATION / WALL SECTION
KW-S101 1:20



3 COLUMN SUPPORT PEDESTAL
KW-S101 1:25



2 TYPICAL SLAB THICKENING
KW-S101 1:20



4 FOUNDATION SECTION
S101 1:20

Client: Parks Canada Agency / L'Agence Parcs Canada
Consultant: AECOM
300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

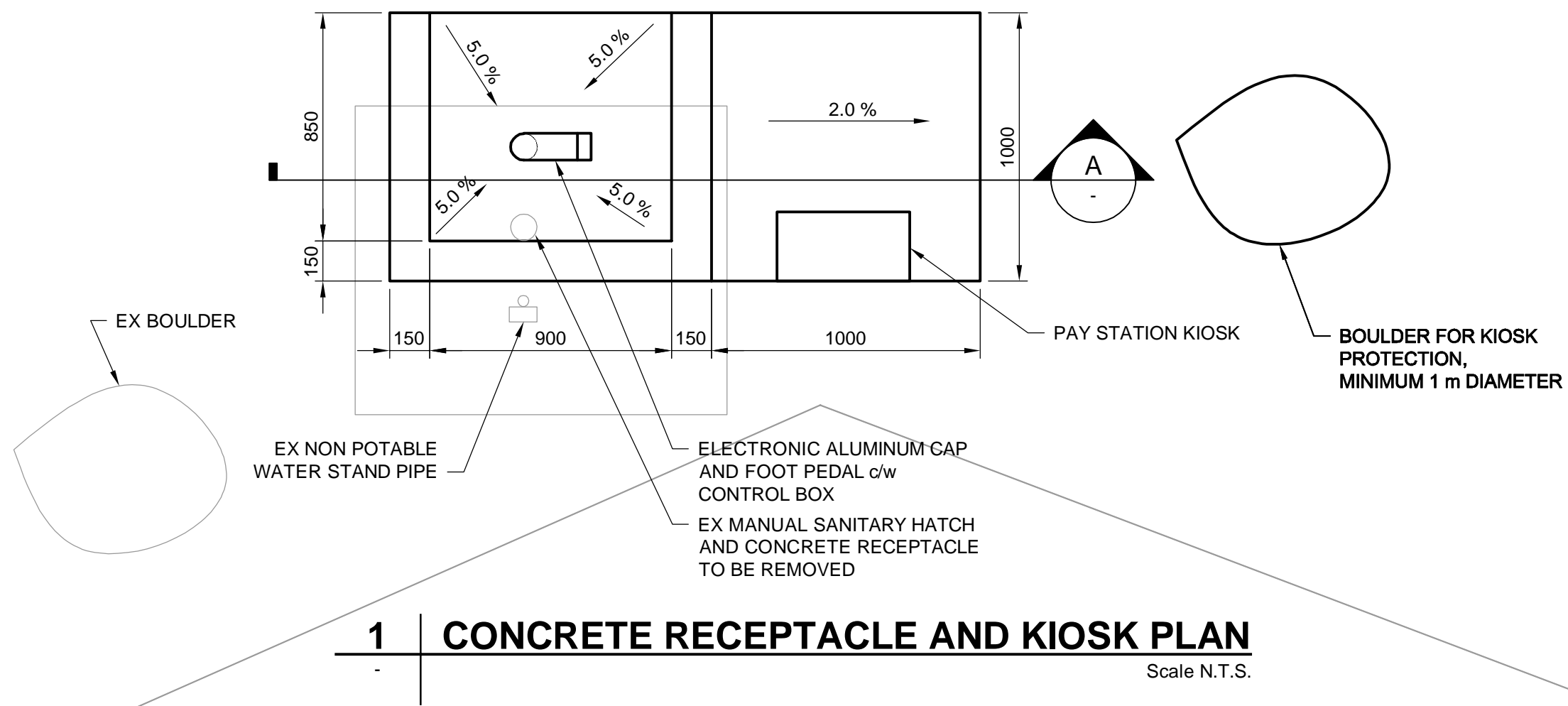


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A	ISSUED FOR 60% CLIENT REVIEW	2018 MAR 09
REVISIONS	DESCRIPTION	DATE
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B	source drawing no.	
C	detail on drawing no.	
project title: KICKING HORSE & MONARCH CAMPGROUND		
YOHO NATIONAL PARK		
drawing title: WASHROOM / SHOWER SECTIONS, NOTES & DETAILS		
designed by	conçu par	
drawn by	dessiné par	
approved by	approuvé par	
PCA Project Manager	Administrateur de Projets TPSGC	
Kurt Devlin		
scale	échelle	sheet / feuille
project no.	proj. no.	KW-S401
date	date	MAR 2018



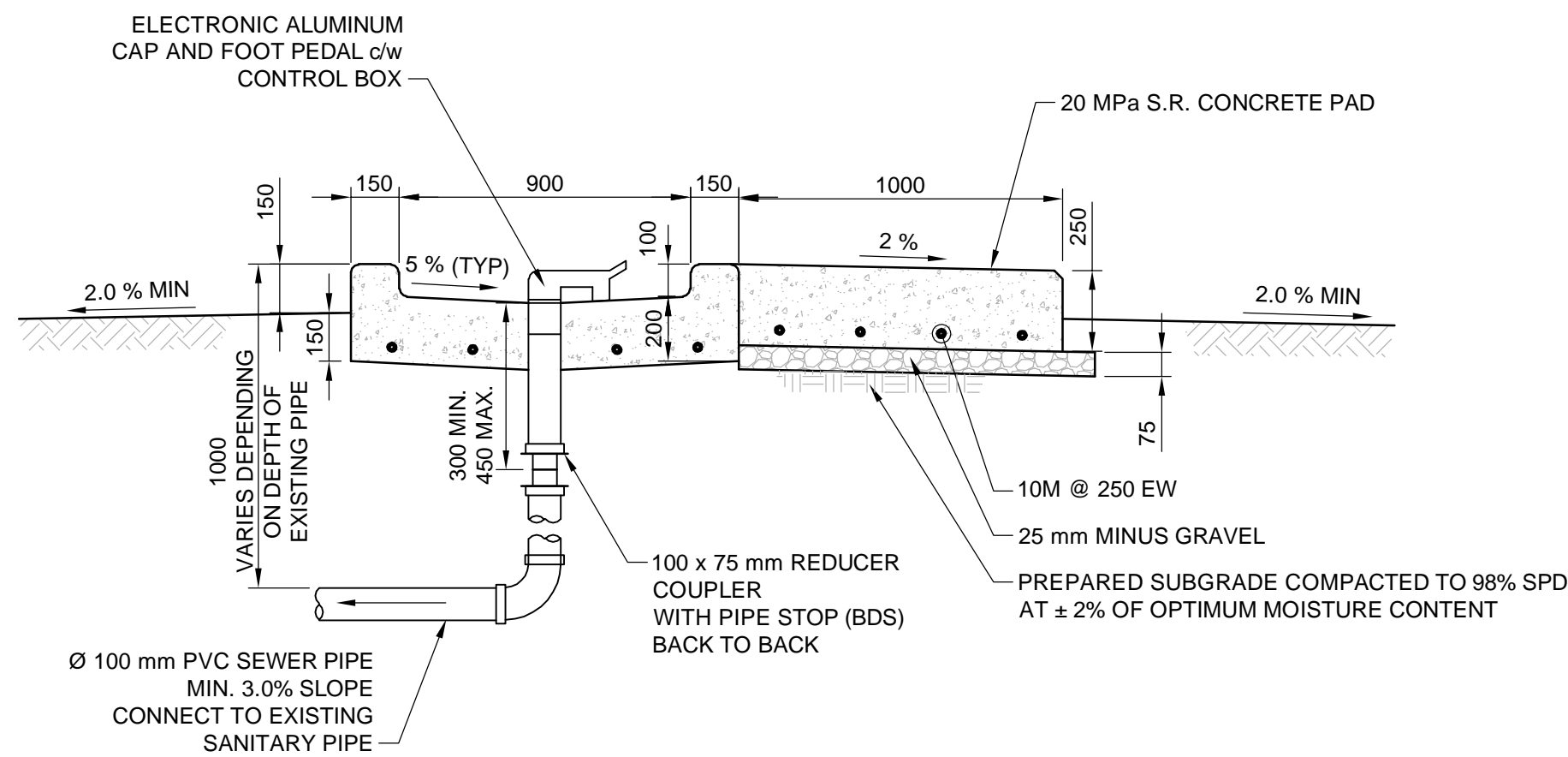
- NOTES:**
1. INSTALL PAY STATION KIOSK IN LOCATION APPROVED BY DEPARTMENTAL REPRESENTATIVE. KIOSK TO BE LOCATED WITHIN 1.0 m TO 1.8 m EAST OF DUMP CAP.
 2. TREE REMOVAL AND PRUNING TO BE COMPLETED BY PARKS CANADA AGENCY AS REQUIRED.
 3. THE KIOSK AND SANITARY PEDAL SHALL BE REMOVED AND STORED DURING WINTER SEASON. THE SANITARY HOLE SHALL BE CAPPED.

- KIOSK SPECIFICATIONS**
1. 12 GAUGE STAINLESS STEEL SOLAR POWERED WEATHER PROOF KIOSK
 2. EQUIPPED WITH COIN AND CREDIT CARD PAYMENT OPTIONS
 3. COMPLETE WITH 40 W SOLAR PANEL
 4. SUPPLIED WITH ELECTRONIC ALUMINIUM CAP AND FOOT PEDAL WHICH COMMUNICATE WITH KIOSK VIA BLUETOOTH
 5. SIGNAGE TO BE PROVIDED BY SUPPLIER AND APPROVED BY DEPARTMENTAL REPRESENTATIVE PRIOR TO ORDERING.
 6. KIOSK TO BE SUPPLIED BY SANI STAR OR APPROVED EQUAL.



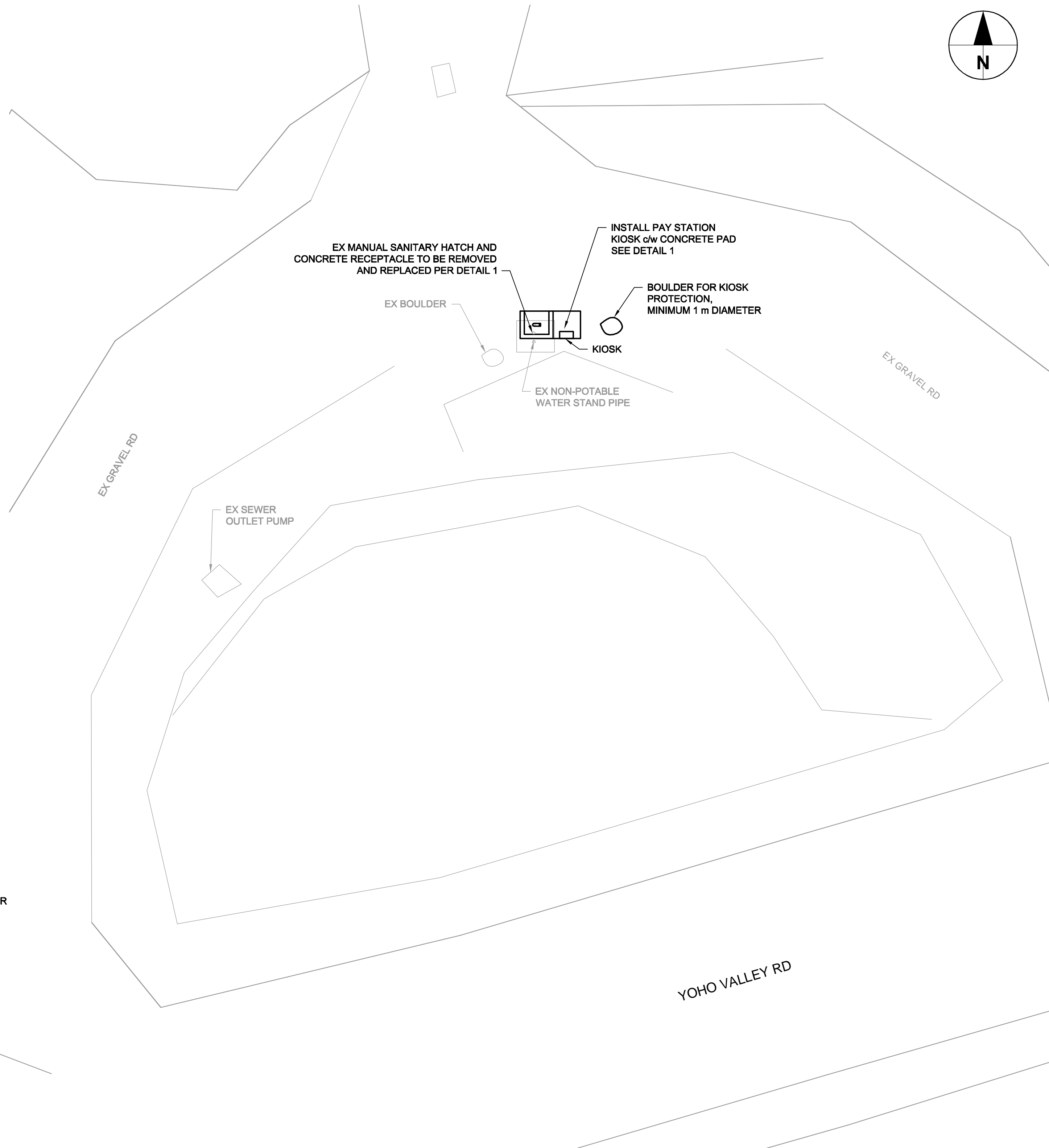
1 | CONCRETE RECEPTACLE AND KIOSK PLAN

Scale N.T.S.



A | CONCRETE RECEPTACLE AND KIOSK PAD SECTION

Scale NTS



SANITARY DUMP STATION PLAN

Scale 1:100

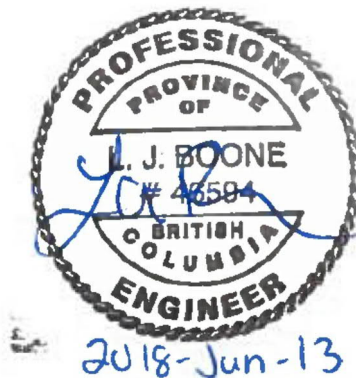
Client
Parks Canada
Agency
L'Agence Parcs
Canada

Consultant
AECOM
300 - 48 Quarry Park Blvd. SE
Calgary, Alberta T2C 5P2
Canada

Client
Conseiller

NOTICE:
THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED BY AECOM CANADA LTD.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.



C	ISSUED FOR TENDER	18/JUN/18
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A	ISSUED FOR 60% REVIEW	18/MAR/09
REVISIONS	DESCRIPTION	DATE

A	detail number number du detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

project title
MONARCH
CAMPGROUND IMPROVEMENTS

YOHO NATIONAL PARK

drawing title
SANITARY DUMP STATION
PROPOSED SURFACE WORKS
CIVIL IMPROVEMENTS

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

PCA Project Manager
Kurt Devlin
Administrateur de Projets TPSGC

scale
AS NOTED
project no.
60551150
date
FEB 2018