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NORR

ARCHITECTS ENGINEERS PLANNERS

An Ingenium Group Company

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A Partnership of Limited Companies

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JASPER PARK STAFF HOUSING

918 Patricia Street
JASPER, AB

DP#: JNP-17-101
NORR JOB NO: NCEM17-0002

ISSUED FOR BUILDING PERMIT - 2017/09/01

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ARCHITECTURAL

A00-00-00	COVER SHEET
A00-00-01	DRAWING LIST
A00-01-01	GENERAL NOTES & BUILDING CODE REVIEW
A00-01-02	CONSTRUCTION TYPES
A02-01-01	DOOR SCHEDULE AND WINDOW LEGEND
A10-00-01	SITE PLANS
A20-01-01	BASEMENT & MAIN FLOOR PLANS
A20-01-02	SECOND FLOOR AND ROOF PLANS
A30-01-01	BUILDING ELEVATIONS
A30-01-02	BUILDING ELEVATIONS
A50-00-01	BUILDING SECTIONS
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A51-01-01	PLAN DETAILS
A52-01-01	SECTION DETAILS
A52-01-02	SECTION DETAILS
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A56-01-01	MISCELLANEOUS DETAILS

STRUCTURAL

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S01-00-02	GENERAL NOTES
S02-00-01	TYPICAL DETAILS
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S50-00-01	SECTIONS
S50-00-02	SECTIONS

MECHANICAL

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M20-01-01	MAIN AND SECOND FLOOR PLUMBING & FIRE PROTECTION PLAN
M50-00-01	BASEMENT AND MAIN FLOOR VENTILATION PLAN
M50-01-01	SECOND FLOOR VENTILATION PLAN & ROOF MECHANICAL PLAN
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M53-01-01	SECOND FLOOR HEATING PLAN
M70-01-01	MECHANICAL DIAGRAMS

ELECTRICAL

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E40-00-01	ELECTRICAL DETAILS AND RISER DIAGRAMS
E60-00-01	ELECTRICAL SCHEDULES

CIVIL

C001	EXISTING PLAN
C002	PROPOSED DEEP UTILITY SERVICING PLAN
C003	GRADING PLAN

LANDSCAPE

L01-00	LANDSCAPE PLAN
L02-00	LANDSCAPE DETAILS

SURVEY

7802.17 TOPOGRAPHICAL SURVEY PLAN

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

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This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultants	McElhanney Consulting Services Ltd.
Civil:	NORR Architects Engineers Planners
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

Seal(s)

SEPTEMBER 01, 2017

NORR PROJECT No. NCEM17-0002-00
 JASPER PARK STAFF HOUSING
 918 PATRICIA STREET, JASPER, AB
 for JASPER NATIONAL PARK of CANADA
 P. O. BOX 10, JASPER, AB T0E 1E0
 ISSUED for BUILDING PERMIT

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 ARCHITECTS ENGINEERS PLANNERS
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Project Manager CO	BIM Lead TB
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PARKS CANADA AGENCY

Jasper National Park, Jasper, AB

Project
JASPER PARK STAFF HOUSING
 918 Patricia Street
 JASPER, AB

Drawing Title
DRAWING LIST

Scale

Project No. **NCEM17-0002**

Drawing No. **A00-00-01**

CONSTRUCTION ASSEMBLY NOTES

ROOF ASSEMBLIES

1. PROVIDE 1 HR. F.R.R. FIRE SEPARATION BETWEEN UNITS IN ATTIC SPACE.
2. PROVIDE FINISHED GALVANIZED METAL FLASHING OVER WATERPROOFING MEMBRANE (8" MIN. RETURN ON WALLS & 16" OVERLAP ROOFING FELT).
3. PROVIDE ATTIC VENTILATION AS PER CODE (1/150 FOR LOW ROOF AREA & 1300 FOR SLOPED ROOF AREA).
4. EAVE PROTECTION: CRACK-ICE OR EQUAL WATER SHIELD AS PER ABC 9.26.5.
5. USE LOW SLOPE ASPHALT SHINGLES WHEN ROOF SLOPE IS LESS THAN 4/12 SLOPE.
6. USE SELF SEALING WATERPROOFING MEMBRANE ON ROOF PRIOR TO INSTALLING ASPHALT SHINGLES WHEN ROOF SLOPE IS LESS THAN 2/12 SLOPE.
7. ALL ROOFING TO MEET REQUIREMENTS OF ARCA. ALL DOWN SPOUTS FROM RAIN WATER LEADERS TO BE LOCATED AS SHOWN ON PLANS & ELEVATIONS SO THAT WATER IS NOT DRAINED OFF SITE.

FLOOR ASSEMBLIES

1. ALL WOOD SUBFLOOR TO BE GLUED AND SCREWED (WITH ZINC COATED LOW ROOT SCREWS) TO FLOOR JOIST.
2. FOR FLOOR FINISH REFER TO FLOOR PLAN OR AS PER OWNER'S SPEC.
3. PROVIDE SUITABLE TRANSITION STRIPS BETWEEN ALL CHANGES IN FLOOR FINISH.
4. PROVIDE AND INSTALL UNDER CUSHION TO ALL CARPET (AS PER BUILDER'S SPEC).
5. PROVIDE 3/8" UNDERLAY AT RESILIENT LINO/CERAMIC TILE AREAS.

EXTERIOR WALL ASSEMBLIES

1. PROVIDE HORIZONTAL BLOCKING AS REQUIRED FOR VERTICAL SIDING.
2. ALL EXPOSED WOOD TO BE EXTERIOR GRADE.

WALL AND PARTITION NOTES

1. ALL INTERIOR WALLS EXTEND TO UPS OF STRUCTURE UNLESS NOTED OTHERWISE.
2. FOR STUD SPACING, LINTEL SIZE, JOIST SPACING & OTHER RELATED INFORMATION, REFER TO STRUCTURAL DRAWINGS.
3. MECHANICAL LINES TO BE INSULATED WITH INSULATION, SEE ALSO MECHANICAL SPECIFICATIONS.
4. AROUND ALL SHOWERS, & TUBS WITH SHOWER FACILITY, PROVIDE SUBSTRATE SUITED TO TILE INSTALLATION AS NOTED ON PLANS. AT FIRE RATED WALLS, APPLY SPECIFIED SUBSTRATE IN ADDITION TO THE FIRE RATED ASSEMBLY. AT NON RATED WALL ASSEMBLIES, SUBSTRATE IS TO REPLACE GYPSUM BOARD. STUDS AT WALL ASSEMBLIES SUPPORTING TILE TO BE INSTALLED AT 406mm O.C. MAX.
5. WHERE A WALL IS MADE UP OF DIFFERENT PARTITION TYPES, PROVIDE RESILIENT CHANNEL (IF REQUIRED) & ADDITIONAL LAYER OF GYPSUM BOARD (IF REQUIRED), SO THAT FINISHED GYPSUM BOARD FACE IS SMOOTH, ALIGNED & CONTINUOUS.
6. WHERE WALL ABOVE IS PARALLEL TO FLOOR JOIST, PROVIDE 38X140 BLOCKING AT 610mm PERPENDICULAR TO JOISTS FOR WALL BASE PLATE FASTENING.
7. RIM BOARD DETAILS AS PER STANDATA 97-IB-023R2.

FLOOR ASSEMBLIES:	EXTERIOR WALL ASSEMBLIES:	INTERIOR WALL ASSEMBLIES:	ROOF ASSEMBLIES:
<p>F1 - BASEMENT FLOOR SLAB</p> <ul style="list-style-type: none"> - FLOOR FINISH - CONCRETE FLOOR SLAB, SEE STRUCTURAL - 2 LAYERS 6mil POLY VAPOUR BARRIER - 102 RIGID INSULATION - 152 COMPACTED GRAVEL OR SAND BASE 	<p>W1 - TYPICAL 140 EXTERIOR WALL (ABC TABLE A.9.10.3.1.A WALL EW1A) NON-RATED</p> <ul style="list-style-type: none"> - EXTERIOR FINISH- REFER TO ELEVATIONS - 12 PLYWOOD FURRING STRIPS - AIR BARRIER: BUILDING PAPER (2 LAYERS) - 9 OSB SHEATHING, GRADE 0-2 - 140 WOOD STUDS @ 406 o.c. - R-24 FIBREGLASS INSULATION - 6 mil POLYETHYLENE VAPOUR BARRIER - 16 GYPSUM BOARD 	<p>P1 - PARTY WALL (7.0HR F.R.R. STC 57 (ABC TABLE A.9.10.3.1.A WALL W13A))</p> <ul style="list-style-type: none"> - 16 TYPE "X" GYPSUM BOARD - 89 WOOD STUDS, SEE STRUCTURAL FOR SPACING - R-12 FRICTION FIT BATT INSULATION - 25 AIR SPACE - R-12 FRICTION FIT BATT INSULATION - 89 WOOD STUDS, SEE STRUCTURAL FOR SPACING - 16 TYPE "X" GYPSUM BOARD - CAULK TOP & BOTTOM PLATES WITH SEALANT 	<p>R1- TYP. OPEN TRUSS ROOF</p> <ul style="list-style-type: none"> - STANDING SEAM METAL ROOF - ROOF FELT - 12 EXTERIOR & STRUCTURAL GRADE 02 OSB SHEATHING WITH H-CLIPS - PRE-ENGINEERED ROOF TRUSSES SPACED AS PER STRUCTURAL - R-40 BATT INSULATION, 265 THICK, REFER TO SPECIFICATION - 6mil POLYETHYLENE VAPOUR BARRIER - 2 LAYERS 16 TYPE X GYPSUM BOARD
<p>F1A - EXTERIOR PATIO SLAB</p> <ul style="list-style-type: none"> - FLOOR FINISH - CONCRETE FLOOR SLAB, SEE STRUCTURAL - 2 LAYERS 6mil POLY VAPOUR BARRIER - 102 RIGID INSULATION TO 1220 FROM EXTERIOR WALLS - 152 COMPACTED GRAVEL OR SAND BASE 	<p>W2 - TYPICAL 140 EXTERIOR STONE WALL CONSTRUCTION</p> <ul style="list-style-type: none"> - 64 STONE VENEER - MORTAR SETTING BED - MORTAR SCRATCH COAT - LATH - AIR BARRIER: BUILDING PAPER (2 LAYERS) - 9 OSB SHEATHING, GRADE 0-2 - 140 WOOD STUDS @ 406 o.c. - R-24 FIBREGLASS INSULATION - 6 mil POLYETHYLENE VAPOUR BARRIER - 16 GYPSUM BOARD 	<p>P2 - 92 INTERIOR STUD WALL</p> <ul style="list-style-type: none"> - 13 GYPSUM BOARD - 89 WOOD STUDS @ 610 o.c. - 13 GYPSUM BOARD 	<p>R2- TYP. NON-VENTED ROOF</p> <ul style="list-style-type: none"> - STANDING SEAM METAL ROOF - ROOF FELT - 12 EXTERIOR & STRUCTURAL GRADE 02 OSB SHEATHING WITH H-CLIPS - PRE-ENGINEERED ROOF TRUSSES SPACED AS PER STRUCTURAL - R-40 BATT INSULATION, 265 THICK, REFER TO SPECIFICATION - 6mil POLYETHYLENE VAPOUR BARRIER - 2 LAYERS 16 TYPE X GYPSUM BOARD
<p>F2 - TYPICAL FLOOR (1 HR F.R.R.)</p> <ul style="list-style-type: none"> - 38 CONCRETE TOPPING - 19 ACOUSTIC MAT - 19 STRUCTURAL GRADE 0-2 T&G OSB - WOOD TJI, SEE STRUCTURAL - 203 MINERAL WOOL BATT INSULATION - 16 METAL FURRING CHANNELS - 2 LAYERS 16 TYPE "X" GYPSUM BOARD 	<p>W3 - FOUNDATION/BSMT WALL</p> <ul style="list-style-type: none"> - CEMENT PARING W/EXPANDED METAL MESH ABOVE GRADE - VERTICAL DRAINAGE WRAP BELOW GRADE - WATERPROOFING MEMBRANE BELOW GRADE - 203 ICF CONCRETE WALL, SEE STRUCTURAL - 6 mil POLYETHYLENE VAPOUR BARRIER - 92 WOOD FURRING SET FLAT @ 610 o.c. - 16 GYPSUM BOARD 	<p>P3 - 140 INTERIOR STUD WALL</p> <ul style="list-style-type: none"> - 13 GYPSUM BOARD - 140 WOOD STUDS @ 610 o.c. - 13 GYPSUM BOARD 	<p>R3- PORCH ROOF</p> <ul style="list-style-type: none"> - STANDING SEAM METAL ROOF - ROOF FELT - 12 EXTERIOR & STRUCTURAL GRADE 02 OSB SHEATHING WITH H-CLIPS - PRE-ENGINEERED ROOF TRUSSES SPACED AS PER STRUCTURAL - HARDIE PANEL SOFFIT
<p>F3 - TYPICAL STAIR LANDING</p> <ul style="list-style-type: none"> - FLOOR FINISH - 19 FLOOR FINISH UNDERLAYMENT - 235 WOOD STUDS - 2 LAYERS 16 TYPE "X" GYPSUM BOARD (LOWER LANDING) & 12 CD TYPE GYPSUM BOARD (SECOND FLOOR LANDING) 	<p>W4 - FOUNDATION/BSMT WALL - STONE FINISH</p> <ul style="list-style-type: none"> - 64 STONE VENEER - MORTAR SETTING BED - MORTAR SCRATCH COAT - LATH - WATERPROOFING MEMBRANE BELOW GRADE - 203 ICF CONCRETE WALL, SEE STRUCTURAL - 6 mil POLYETHYLENE VAPOUR BARRIER - 92 WOOD FURRING SET FLAT @ 610 o.c. - 16 GYPSUM BOARD 	<p>P4 - 140 INTERIOR STUD WALL - PLUMBING</p> <ul style="list-style-type: none"> - 13 GYPSUM BOARD - 140 WOOD STUDS @ 610 o.c. - R-20 FRICTION FIT BATT INSULATION - 13 GYPSUM BOARD 	
<p>F4 - TYPICAL EXTERIOR WOOD DECK</p> <ul style="list-style-type: none"> - 140 PRESSURE TREATED DECKING - 184 PRESSURE TREATED JOISTS @ 406 o.c. - STRUCTURAL SUPPORT, REFER TO STRUCTURAL 	<p>W5 - FOUNDATION/BSMT WALL</p> <ul style="list-style-type: none"> - VERTICAL DRAINAGE WRAP BELOW GRADE - WATERPROOFING MEMBRANE BELOW GRADE - 203 ICF CONCRETE WALL, SEE STRUCTURAL - 6 mil POLYETHYLENE VAPOUR BARRIER - 92 WOOD FURRING SET FLAT @ 610 o.c. - 16 GYPSUM BOARD 	<p>P5 - 140 CORRIDOR WALL</p> <ul style="list-style-type: none"> - 16 GYPSUM BOARD - 16 RESILIENT CHANNEL - 140 WOOD STUDS @ 610 o.c. - R-20 FRICTION FIT BATT INSULATION AT PLUMBING LINES - 16 GYPSUM BOARD 	
	<p>W6 - FOUNDATION - STONE FINISH</p> <ul style="list-style-type: none"> - 64 STONE VENEER - MORTAR SETTING BED - MORTAR SCRATCH COAT - LATH - WATERPROOFING MEMBRANE BELOW GRADE - 203 ICF CONCRETE WALL, SEE STRUCTURAL 	<p>P6 - 140 INTERIOR FURRING WALL - PLUMBING</p> <ul style="list-style-type: none"> - 13 GYPSUM BOARD - 140 WOOD STUDS @ 610 o.c. - R-20 FRICTION FIT BATT INSULATION AT PLUMBING LINES 	
	<p>W7 - FOUNDATION</p> <ul style="list-style-type: none"> - WATERPROOFING MEMBRANE BELOW GRADE - 203 ICF CONCRETE WALL, SEE STRUCTURAL 	<p>P7 - 140 INTERIOR STUD WALL (1 HOUR)</p> <ul style="list-style-type: none"> - 16 GYPSUM BOARD - 140 WOOD STUDS @ 610 o.c. - 16 GYPSUM BOARD 	
	<p>W8 - 140 PRIVACY SCREEN</p> <ul style="list-style-type: none"> - PRESSURE TREATED 140 WOOD STUDS RUN HORIZONTALLY - PRESSURE TREATED 140 WOOD STUDS @ 406 o.c. - PRESSURE TREATED 140 WOOD STUDS RUN HORIZONTALLY 	<p>P8 - 116 SHAFT WALL (1 HOUR)</p> <ul style="list-style-type: none"> - 16 TYPE "X" GYPSUM BOARD - 12 RESILIENT CHANNELS - 64 C.H STUDS AT 406 o.c. - R-12 BATT INSULATION - 25 SHAFT LINER (SHAFT SIDE) - *CAULK TOP AND BOTTOM PLATES 	

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

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Project Component

Key Plan

Consultants
Civil: MCEHanney Consulting Services Ltd.
Landscape: NORR Architects Engineers Planners
Architecture: NORR Architects Engineers Planners
Structural: NORR Architects Engineers Planners
Mechanical: NORR Architects Engineers Planners
Electrical: NORR Architects Engineers Planners

Seal(s)

SEPTEMBER 01, 2017

NORR PROJECT No. NCEM17-0002-00
JASPER PARK STAFF HOUSING
918 PATRICIA STREET, JASPER, AB
for JASPER NATIONAL PARK of CANADA
P. O. BOX 10, JASPER, AB T0E 1E0
ISSUED for BUILDING PERMIT

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Project Manager	BIM Lead
CO	TB
Design Lead	Drawn
JD	TB
Project Leader	Checked
TB	AZ

PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB

Drawing Title
CONSTRUCTION TYPES

Scale

Project No. NCEM17-0002

Drawing No. **A00-01-02**

DOOR SCHEDULE													
NUMBER	LOCATION	DIMENSIONS			PANEL			FRAME			FIRE RATING	REMARKS	HARDWARE
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH			
D01	MAIN ENTRY	914	2032	50	1	MCW	PF	A	MCW	PF	--	INS / TG	B1 / L7, L12 / M2 / S2, S6
D02	PATIO/BALCONY	914	2032	50	2	MCW	PF	A	MCW	PF	--	INS / TG	B1 / L7, L12 / M2 / S2, S6
D03	SUITE ENTRY	914	2032	50	3	MCW	PF	C	PS	PT	45 MINUTE	--	B1 / C2 / L7, L12 / M7
D04	ELEC. / MECH.	914	2032	50	3	HM	PT	C	PS	PT	45 MINUTE	--	B1 / C2 / L6 / M10
D05	STORAGE	914	2032	50	3	HM	PT	C	PS	PT	45 MINUTE	--	B1 / C2 / L7 / M6
D06	LALANDRY	914	2032	50	3	HM	PT	C	PS	PT	45 MINUTE	--	B1 / C2 / L6 / M6
D07	BEDROOM	762	2032	35	3	SCW	PT	B	WD	PT	--	--	B3 / L4
D08	WASHROOM	762	2032	35	3	SCW	PT	B	WD	PT	--	--	B3 / L4
D09	CLOSET	762	2032	35	3	SCW	PT	B	WD	PT	--	--	B3 / L5
D10	CLOSET	915	2032	35	4	SCW	PT	B	WD	PT	--	--	B3 / L5
D11	CLOSET	1219	2032	35	4	SCW	PT	B	WD	PT	--	--	B3 / L5
D12	CLOSET	1524	2032	35	4	SCW	PT	B	WD	PT	--	--	B3 / L5
D13	LINEN CLOSET	610	2032	35	3	SCW	PT	B	WD	PT	--	--	B3 / L5

DOOR NOTES

- PROVIDE KEYING SCHEDULE.
- DOOR AND HARDWARE TO COMPLY WITH ALBERTA BUILDING CODE (FIRE RATING AND BARRIER FREE DESIGN).
- DOOR HARDWARE TO BE COMMERCIAL GRADE.

DOOR ABBREVIATIONS

ALUM	ALUMINUM
DG	DOUBLE GLAZED
FG	FIBREGLASS
HCW	HOLLOW CORE WOOD
HCC	HONEY COMB CORE
HM	HOLLOW METAL
INS	INSULATED
L	LOUVERED
M	METAL
MCW	METAL CLAD WOOD
MCV	METAL CLAD VINYL
PF	PREFINISHED
PS	PRESSED STEEL
PT	PAINTED
ST	STAINED
SCW	SOLID CORE WOOD
TG	TEMPERED GLASS
WD	WOOD
WG	WIRED GLASS
MIR	MIRROR PANEL
PVC	POLYVINYL CHLORIDE

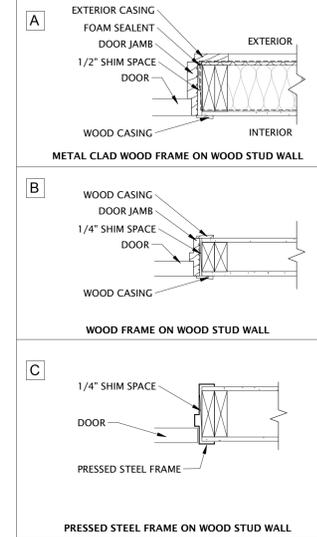
HARDWARE ABBREVIATIONS:

B	BUTTS / PIVOTS HARDWARE (1 1/2 PAIR PER LEAF, UNLESS NOTED OTHERWISE)	M	MISCELLANEOUS HARDWARE
B1	BALL BEARING BUTTS	M1	THRESHOLD
B2	BALL BEARING NRP BUTTS	M2	WEATHERSTRIP AND DOOR SWEEP
B3	3-1/2" STANDARD BUTTS	M3	ASTRAGAL
B4	BALL BEARING SPRING BUTTS	M4	PUSH / PULL
B5	PIVOTS (OFFSET)	M5	PULLS BACK TO BACK
C	CLOSURE	M6	KICK PLATE ONE SIDE
C1	CLOSER SURFACE MOUNTED PUSH SIDE	M7	DOOR VIEWER
C2	CLOSER SURFACE MOUNTED PULL SIDE	M8	BRASS ADDRESS NUMBERS
C3	CLOSER CONCEALED OVERHEAD	M9	DOOR COORDINATOR
C4	CLOSER CONCEALED FLOOR MOUNTED	M10	SMOKE SEAL AND DOOR SWEEP
C5	CLOSER SURFACE MOUNTED w/ INTEGRAL HOLDOPEN / STOP	M11	MEN/WOMEN & HANDICAPPED INTERNATIONAL SYMBOLS
L	LATCHING HARDWARE	S	STOPS
L1	panic exit only	S1	FLOOR MTD. STOP
L2	panic night latch	S2	WALL MTD. SPRING STOP, WHERE ADJACENT TO BACK WALL
L3	panic thumb latch (with pull and keyed cylinder)	S3	OVERHEAD DOOR STOP
L4	panic thumb latch	S4	ELECTRIC HOLDOPEN c/w ELECTRICAL CONNECTION
L5	latch set	S5	INTEGRAL STOP CLOSER
L6	lockset storeroom	S6	HINGE PIN DOOR STOP, WHERE NO ADJACENT BACK WALL
L7	lockset entrance	S7	WALL MOUNTED DOOR STOP
L8	lockset exit free	S2/26	INDICATES S2 OR S6
L9	dummy knob set	Z	SPECIAL DOOR HARDWARE
L10	fixed knob lockset	Z1	POCKET DOOR HARDWARE & EASE PULLS
L11	electric strike c/w electrical connection	Z2	BIFOLD DOOR HARDWARE & KNOBS
L12	dead bolt key one side thumbturn opposite	Z3	BI-PASS SLIDING DOOR HARDWARE & FLUSH PULLS
L13	dead bolt key both sides	Z4	HANDICAP LEVER SET FOR TYPICAL DOOR HARDWARE
L14	roller catch	Z5	AUTOMATIC DOOR HARDWARE
L15	lockset / dead bolt interconnecting room	Z6	BARrier FREE OPERATOR & PUSH BUTTONS
L16	magnetic lock c/w electrical connection	Z7	O/H DOOR HARDWARE - CHAIN HOIST
L17	flushbolts top & bottom	Z8	O/H DOOR HARDWARE - AUTOMATIC OPENERS
L18	surface bolts (slide type)	Z9	POCKET DOOR HARDWARE & PRIVACY WITH PULLS
L19	automatic flush bolts		
L20	electronic access control lockset		
L21	ball catch		
L22	MS LOCK WITH CYLINDER AND THUMB TURN		

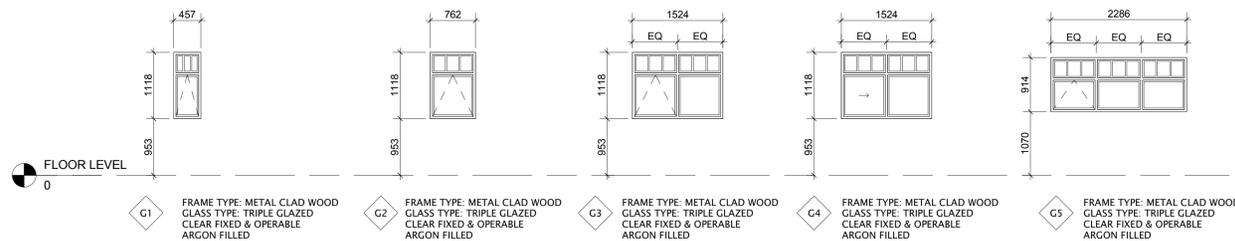
DOOR TYPES



FRAME TYPES



GLAZING LEGEND



WINDOW NOTES

- CONFIRM EACH INDIVIDUAL ROUGH OPENING ON SITE PRIOR TO FABRICATION
- ALL OPERABLE WINDOWS C/W INSECT SCREEN
- SEE ELEVATIONS FOR OPERABLE WINDOW SWING DIRECTION
- GRILLE TO BE IN BETWEEN GLAZING AND VINYL
- WINDOW DESIGN AS PER CSA A440 B3 & C3
- REFER TO TYPICAL WINDOW INSTALLATION DETAILS

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

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Project Component

Key Plan

Consultants	McElhanney Consulting Services Ltd.
Civil:	NORR Architects Engineers Planners
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

Seal(s)

NORR PROJECT No. NCEM17-0002-00
JASPER PARK STAFF HOUSING
918 PATRICIA STREET, JASPER, AB
for JASPER NATIONAL PARK of CANADA
P. O. BOX 10, JASPER, AB T0E 1E0
ISSUED for BUILDING PERMIT

NORR
ARCHITECTS ENGINEERS PLANNERS
An Ingenium Group Company

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10722 - 103rd Ave
Edmonton, Alberta, Canada T5J 5G7
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Ruralist M. Photo: Architect: AIA, S. Arch. MABC
A Group of Companies: Architect: AIA, S. Arch. MABC
Action Labels: P. Eng., APEGA
Civil P. Eng., APEGA

Project Manager	BIM Lead
CO	TB
Design Lead	Drawn
JD	DL
Project Leader	Checked
TB	AZ

PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB

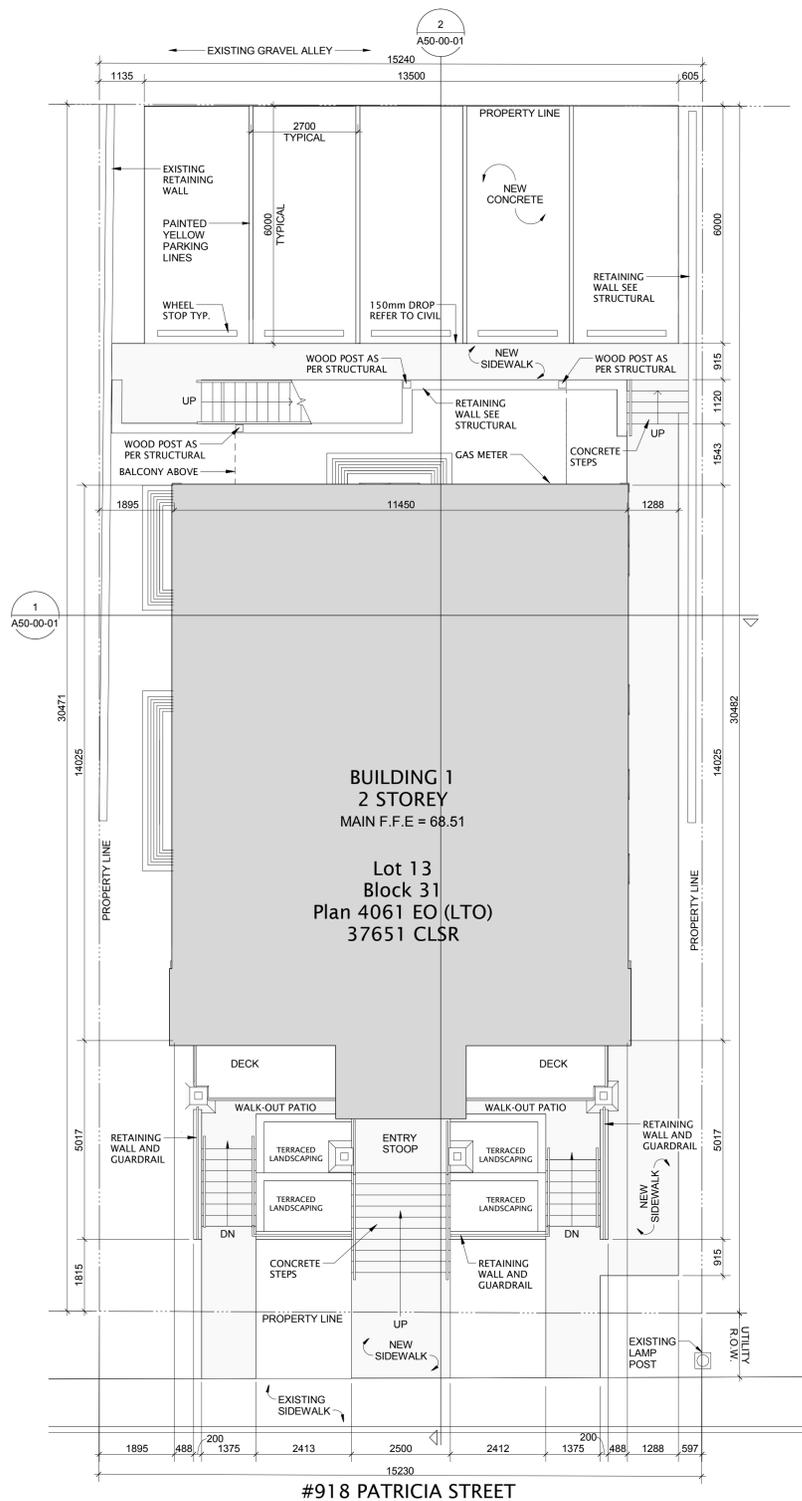
Drawing Title
DOOR SCHEDULE AND WINDOW LEGEND

Scale

Project No. NCEM17-0002

Drawing No. A02-01-01

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C



1 SITE PLANS
A10-00-01 SCALE: 1 : 75

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Project Component

Key Plan

Consultants

Civil:	McElhanney Consulting Services Ltd.
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

Seal(s)

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Alicia L. Gable, P.Eng., A.P.E.C.A.
Chris P. P. Eng., P.Eng., A.P.E.C.A.

Project Manager CO	BIM Lead TB
Design Lead JD	Drawn TB
Project Leader TB	Checked AZ

PARKS CANADA AGENCY

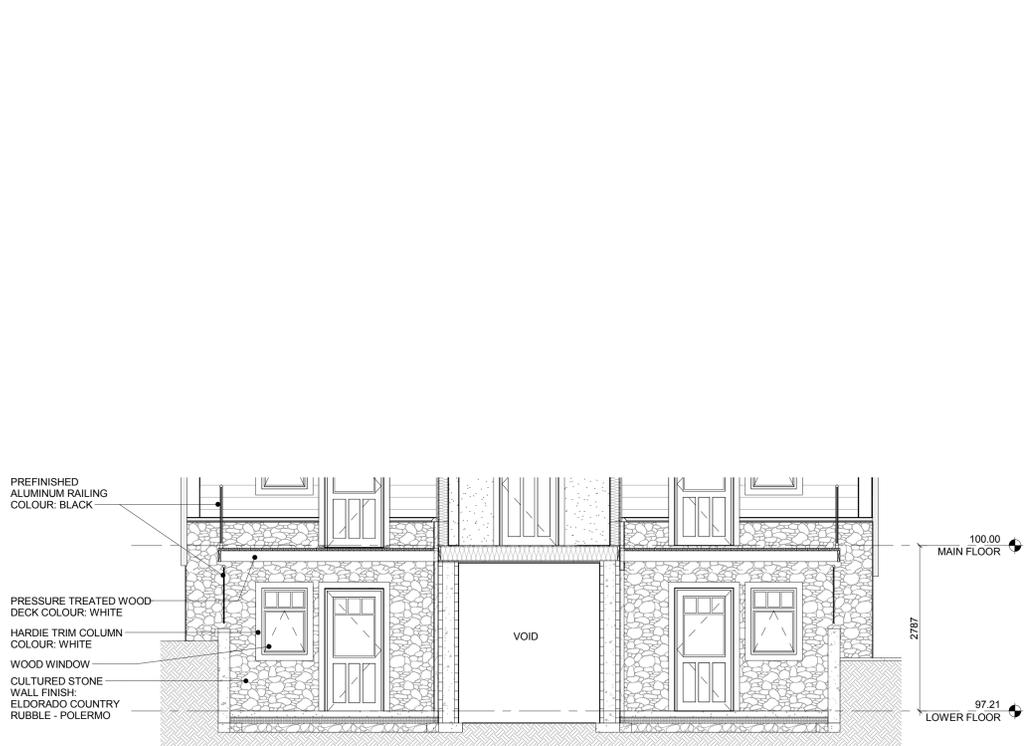
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB

Drawing Title
SITE PLANS

Scale

Project No.	NCEM17-0002
Drawing No.	A10-00-01

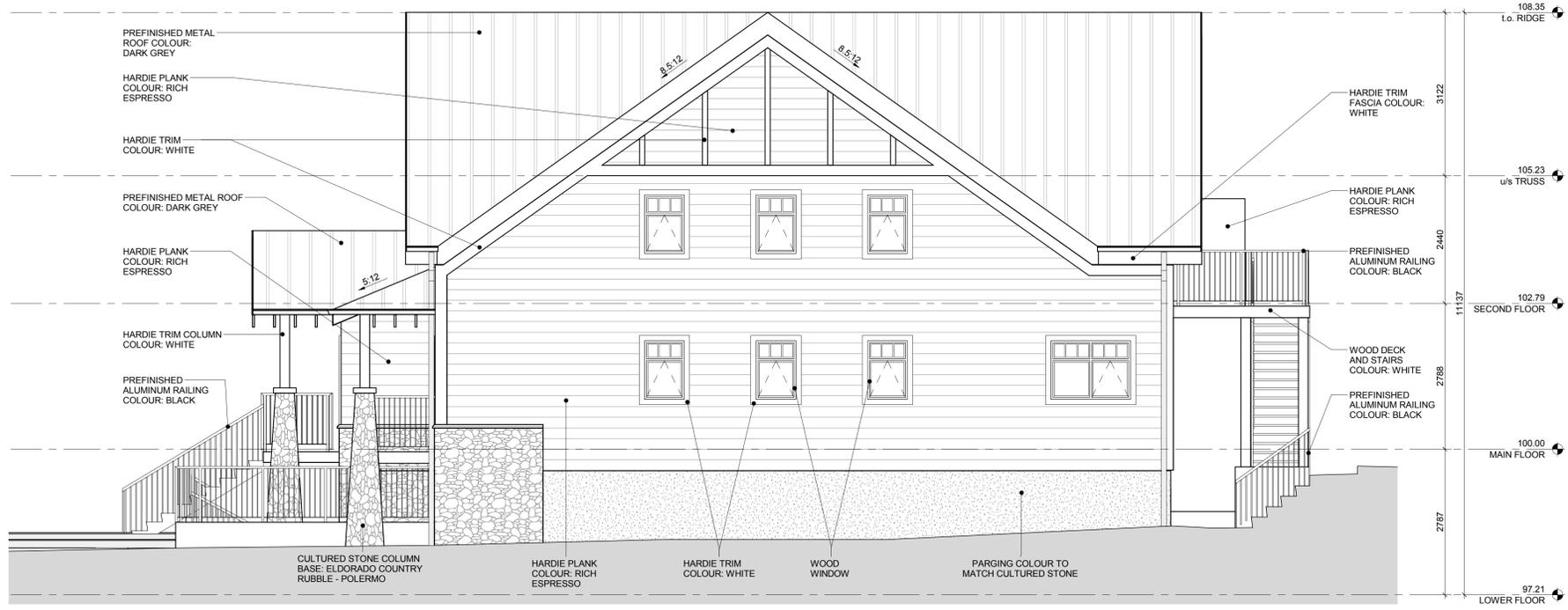
DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C



1A PARTIAL SOUTH ELEVATION
SCALE: 1 : 50



1 SOUTH ELEVATION
SCALE: 1 : 50



2 EAST ELEVATION
SCALE: 1 : 50

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Project Component

Key Plan

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Alicia Lopez, P.Eng., A.P.E.C.A.
Chris Poir, P.Eng., A.P.E.C.A.

Project Manager CO	BIM Lead TB
Design Lead JD	Drawn DL
Project Leader TB	Checked AZ

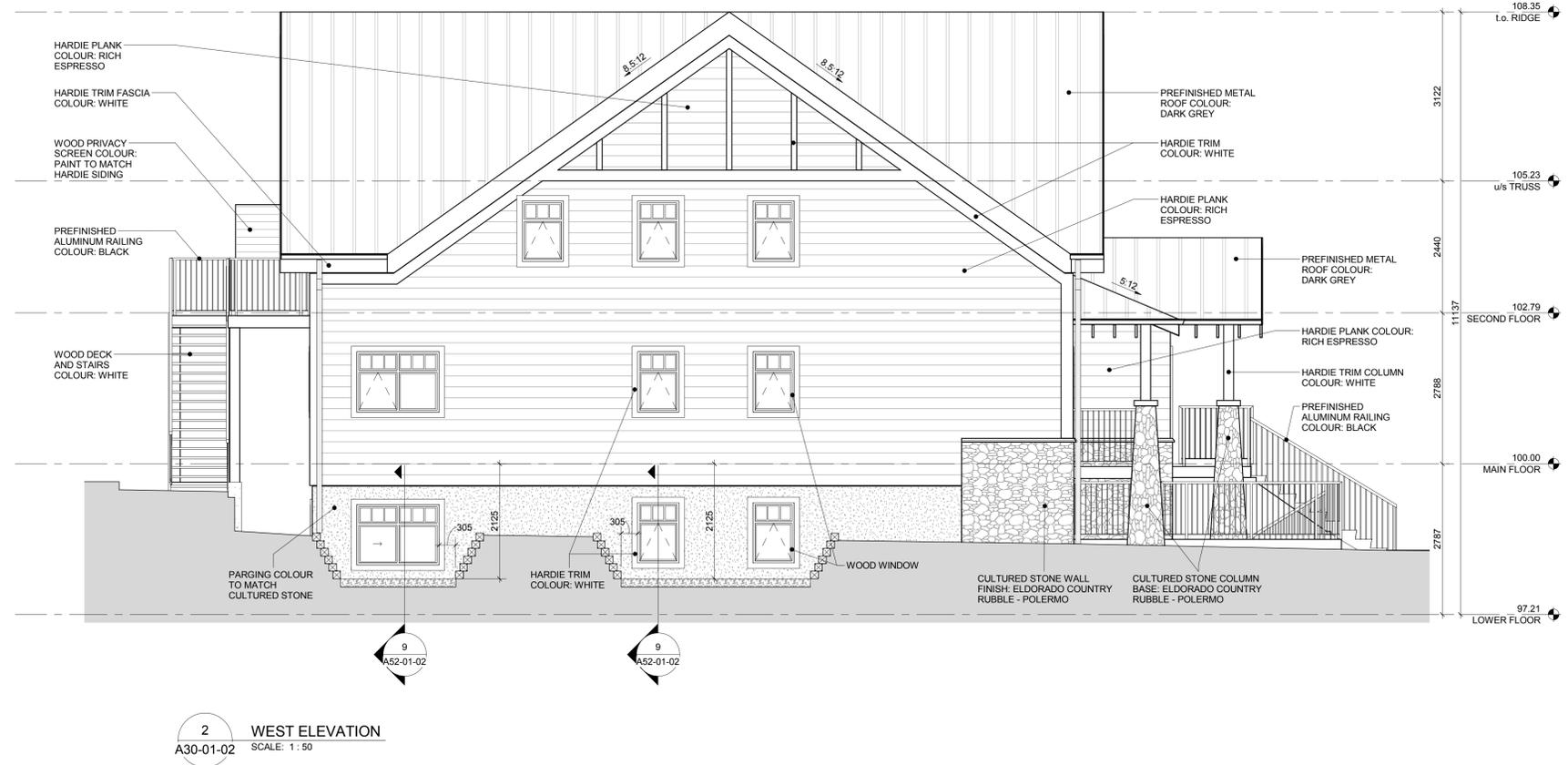
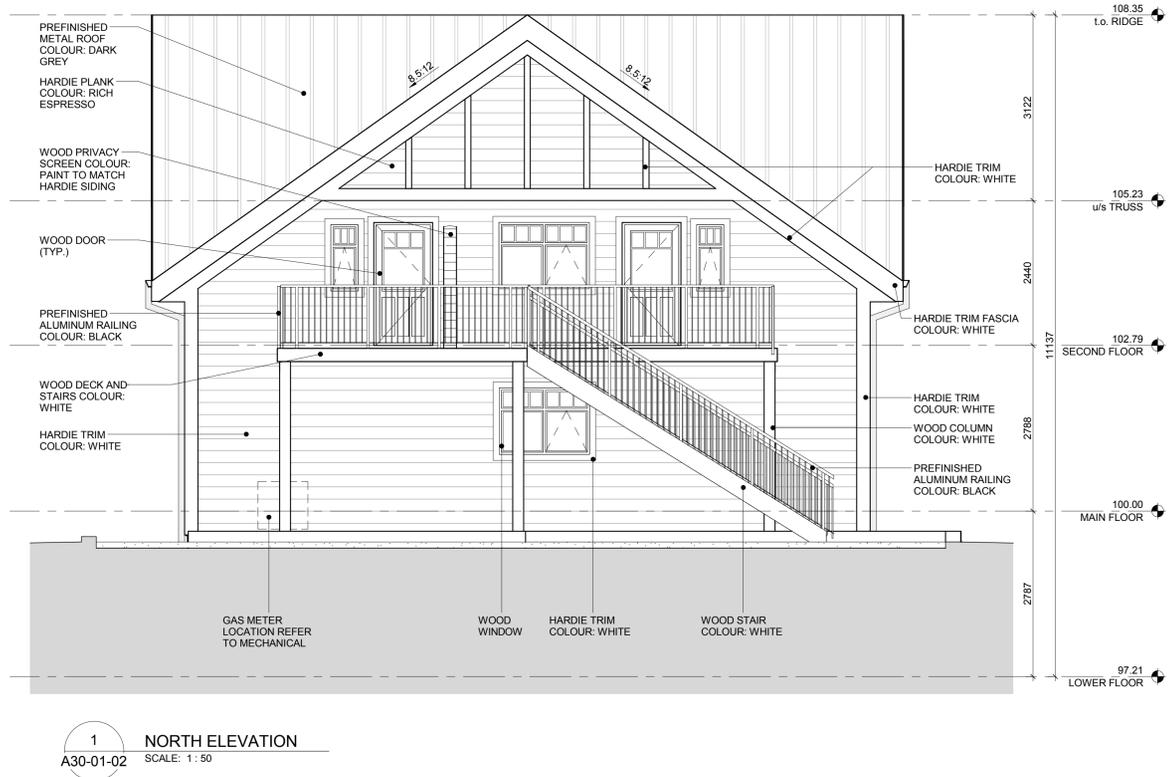
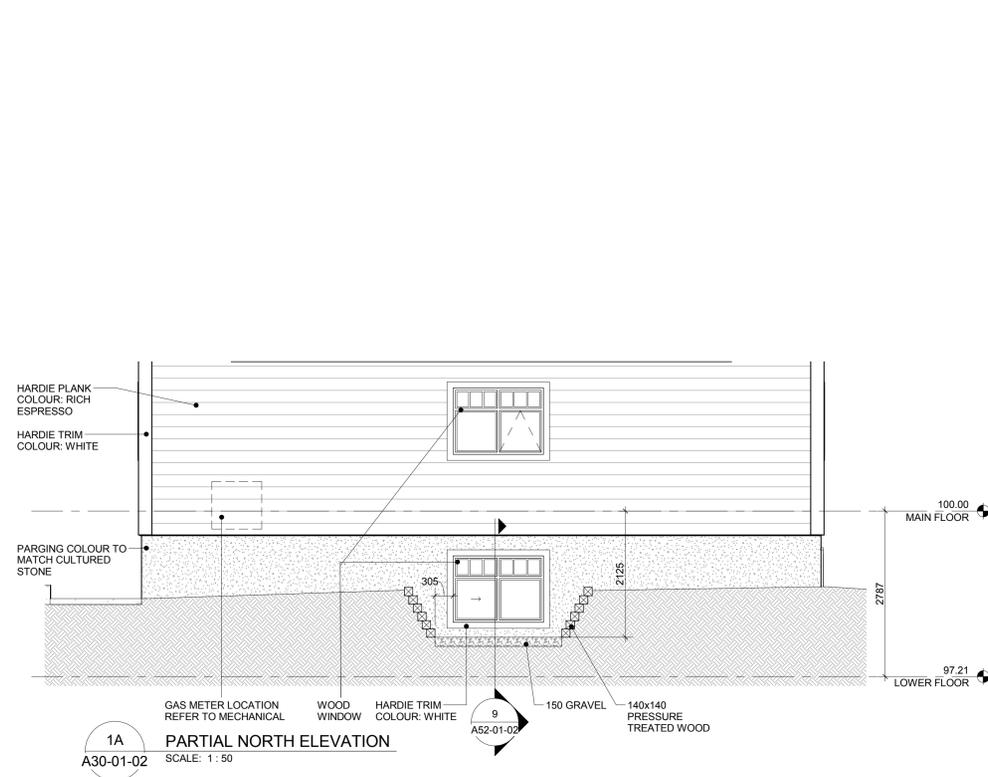
PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB

Drawing Title
BUILDING ELEVATIONS

Scale

Project No.	NCEM17-0002
Drawing No.	A30-01-01

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C



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Project Component

Key Plan

Consultants

Civil:	McElhenny Consulting Services Ltd.
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

Seal(s)

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for JASPER NATIONAL PARK of CANADA
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Roussel St. Photo, Architect, AIA, R. Arch. M.A.S.C.
B. Ross, Mechanical, Architect, AIA, R. Arch. M.A.S.C.
A. G. Smith, Structural, Architect, AIA, R. Arch. M.A.S.C.
A. G. Smith, P. Eng., P. Eng., A.P.E.C.A.
Chris P. P. Eng., P. Eng., A.P.E.C.A.

Project Manager CO	BIM Lead TB
Design Lead JD	Drawn DL
Project Leader TB	Checked AZ

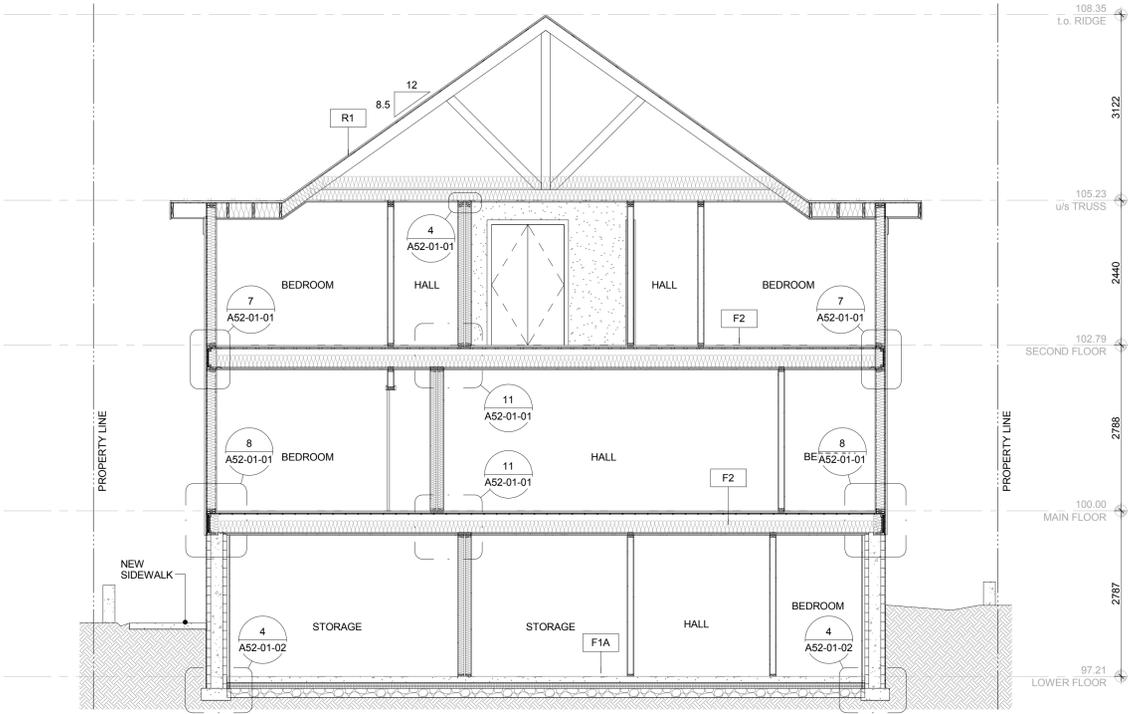
PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB

Drawing Title
BUILDING ELEVATIONS

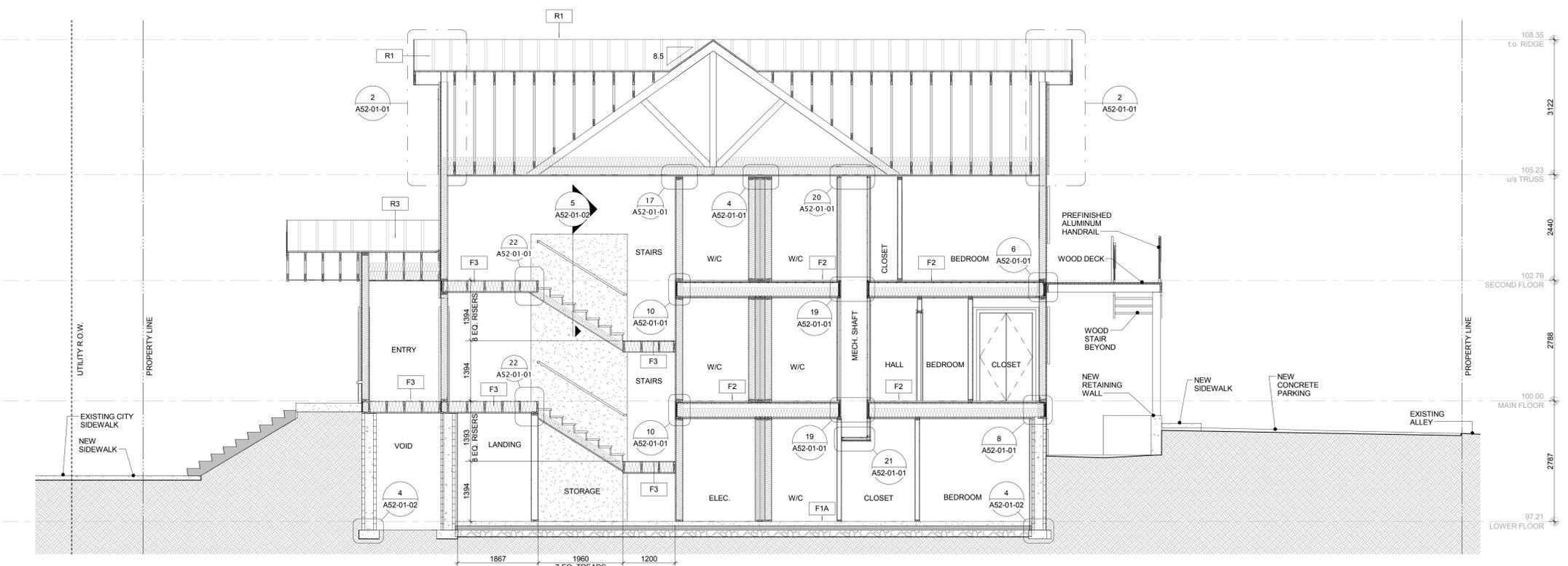
Scale

Project No.	NCEM17-0002
Drawing No.	A30-01-02

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-09-01	BUILDING PERMIT	B



1 EAST/WEST SECTION
A50-00-01 SCALE: 1 : 50



2 NORTH/SOUTH SECTION
A50-00-01 SCALE: 1 : 50

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Project Component

Key Plan

Consultants	McElhanney Consulting Services Ltd.
Civil:	NORR Architects Engineers Planners
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

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Randy M. Thom, Architect, AIA, S. Arch. M.A.S.C.
Brian M. McEwan, Architect, AIA, S. Arch. M.A.S.C.
A. Glenn Stephenson, Architect, AIA, S. Arch. M.A.S.C.
Alicia Scales, P. Eng., A.P.E.C.A.
Chris P. P. Eng., A.P.E.C.A.

Project Manager CO	BIM Lead TB
Design Lead JD	Drawn Author
Project Leader TB	Checked Checker

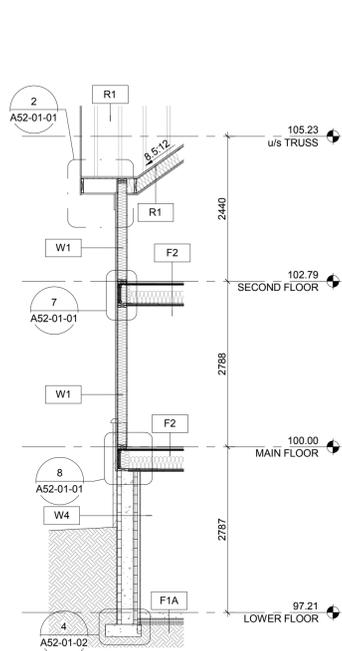
PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB

Drawing Title
BUILDING SECTIONS

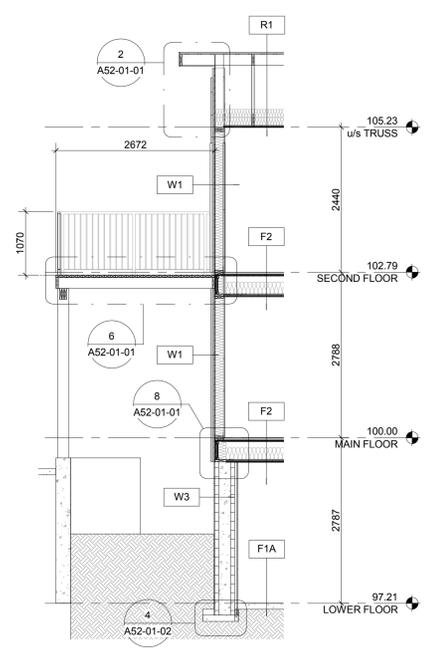
Scale

Project No. NCEM17-0002
Drawing No. A50-00-01

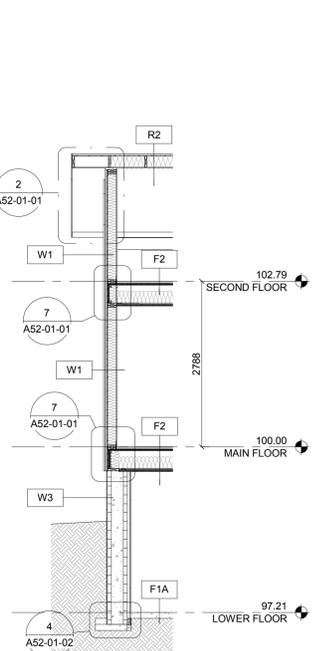
DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C



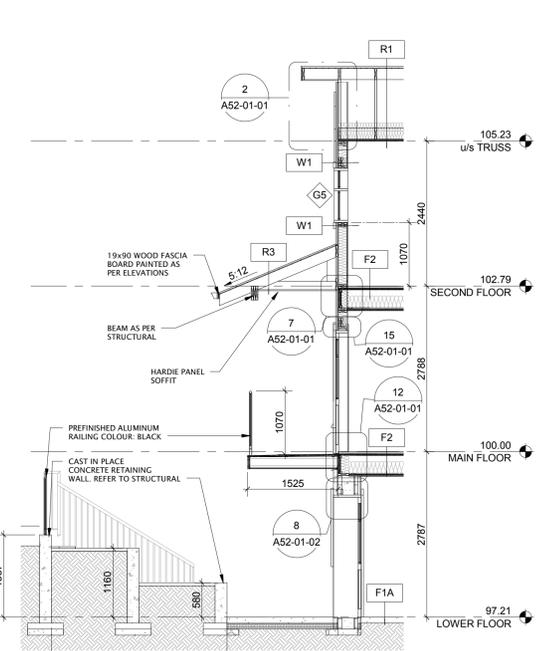
1 WALL SECTION
A50-00-02 SCALE: 1:50



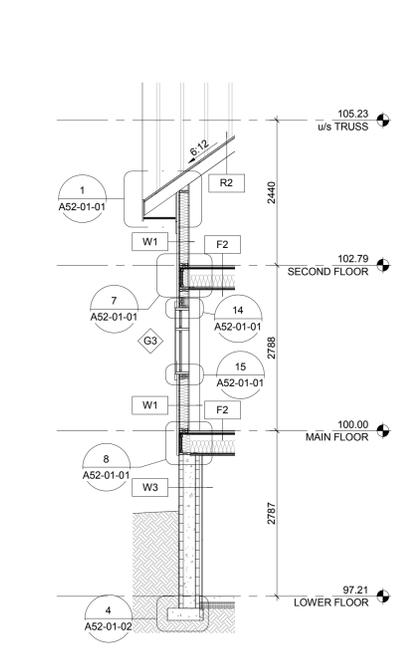
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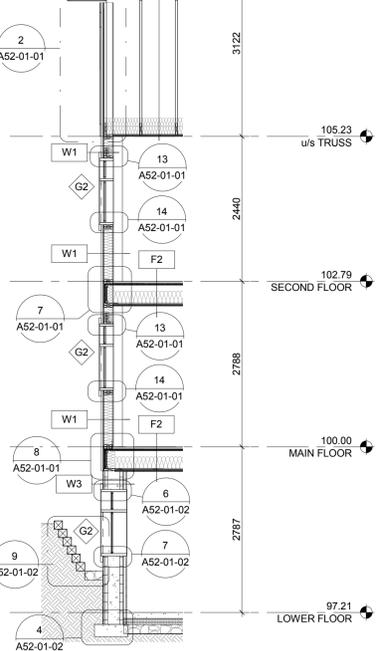
3 WALL SECTION
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4 WALL SECTION
A50-00-02 SCALE: 1:50



5 WALL SECTION
A50-00-02 SCALE: 1:50



6 WALL SECTION
A50-00-02 SCALE: 1:50

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Project Component

Key Plan

Consultants
 Civil: MCEHanney Consulting Services Ltd.
 Landscape: NORR Architects Engineers Planners
 Architecture: NORR Architects Engineers Planners
 Structural: NORR Architects Engineers Planners
 Mechanical: NORR Architects Engineers Planners
 Electrical: NORR Architects Engineers Planners

Seal(s)

NORR PROJECT NO. NCEM17-0002-00
 JASPER PARK STAFF HOUSING
 918 PATRICIA STREET, JASPER, AB
 FOR JASPER NATIONAL PARK OF CANADA
 P. O. BOX 10, JASPER, AB T0E 1E0
 ISSUED FOR BUILDING PERMIT

NORR
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 Russell M. Thom, Architect: AIA, B. Arch, M.A.S.C.
 Bruce McEwan, Architect: AIA, B. Arch, M.A.S.C.
 Action Labels: P. Eng., A.P.E.G.A.
 Chris Poir, P. Eng., A.P.E.G.A.

Project Manager CO	BIM Lead TB
Design Lead JD	Drawn AZ
Project Leader TB	Checked AZ

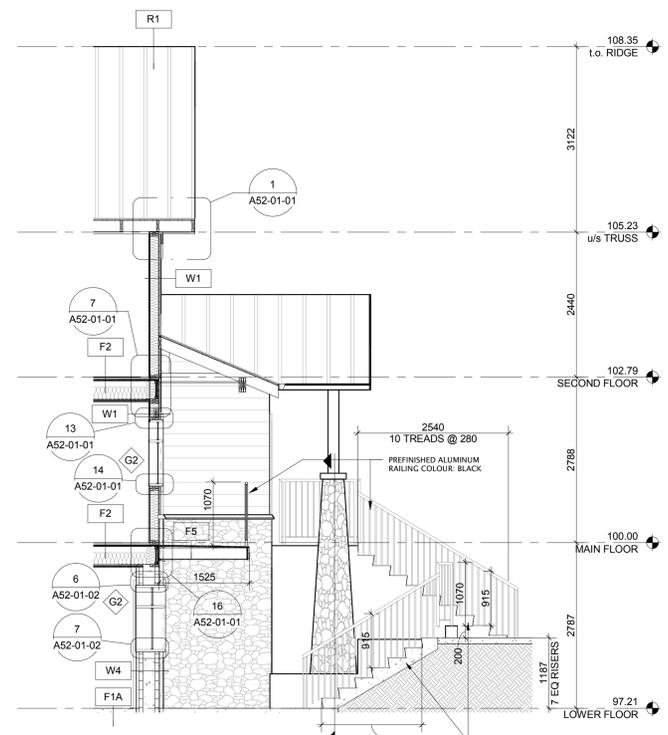
PARKS CANADA AGENCY
 Jasper National Park, Jasper, AB

Project
JASPER PARK STAFF HOUSING
 918 Patricia Street
 JASPER, AB

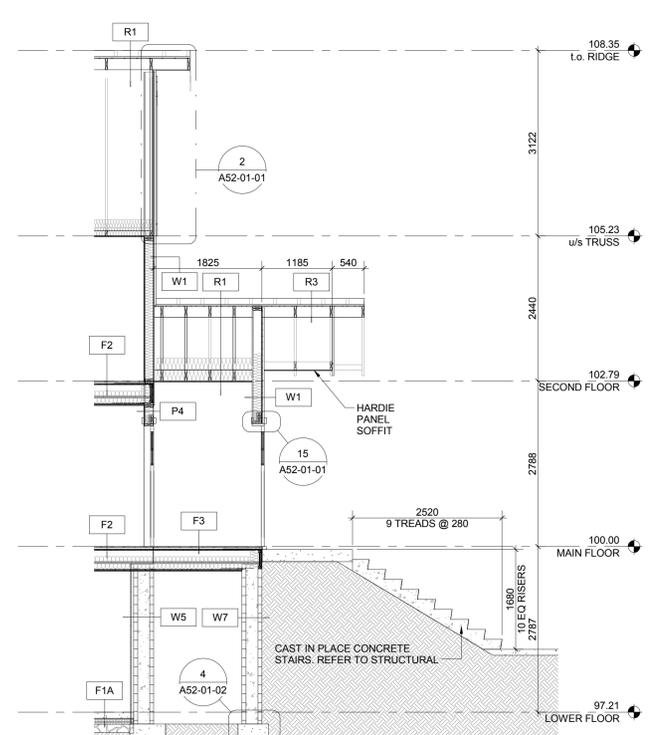
Drawing Title
WALL SECTIONS

Scale

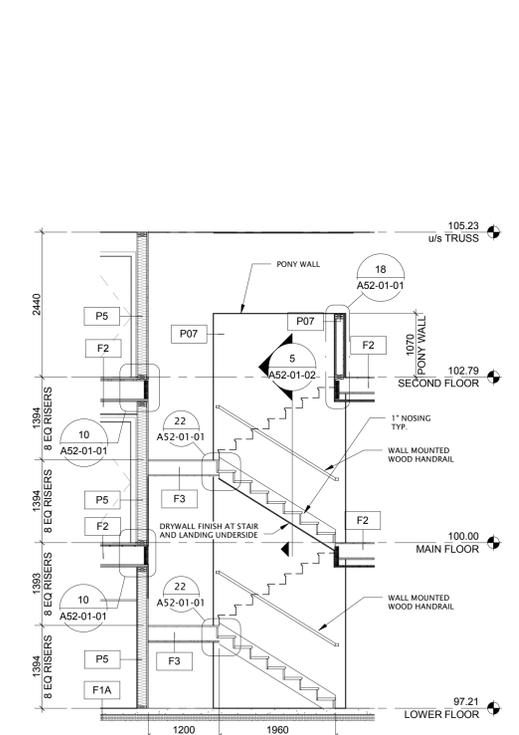
Project No. NCEM17-0002
 Drawing No. A50-00-02



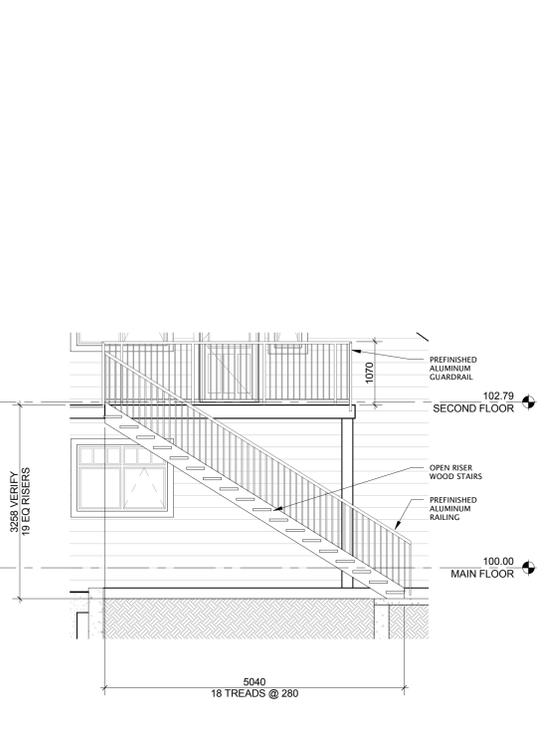
7 STAIR SECTION
A50-00-02 SCALE: 1:50



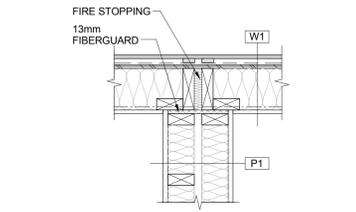
8 STAIR SECTION
A50-00-02 SCALE: 1:50



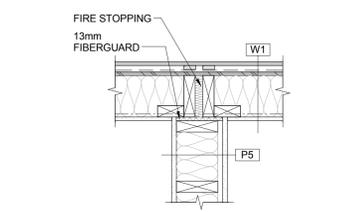
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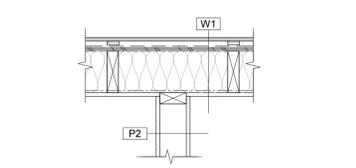
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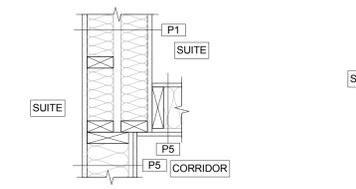
1 PLAN DETAIL-EXTERIOR WALL AT PARTY WALL
A51-01-01 SCALE: 1:10



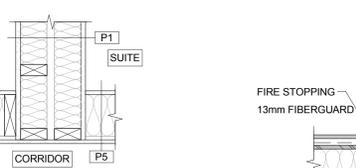
2 PLAN DETAIL-EXTERIOR WALL AT CORRIDOR WALL
A51-01-01 SCALE: 1:10



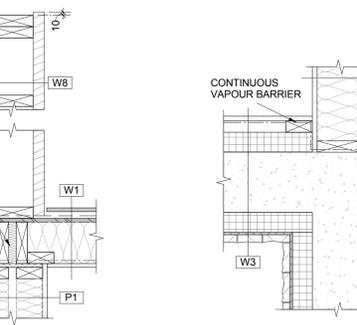
3 PLAN DETAIL-EXTERIOR WALL AT TYPICAL WALL
A51-01-01 SCALE: 1:10



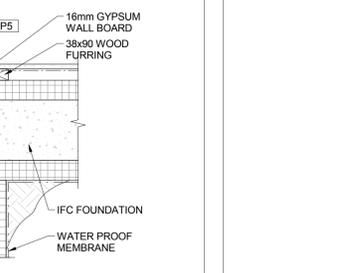
4 PLAN DETAIL-PARTY WALL AT CORRIDOR WALL (CORNER)
A51-01-01 SCALE: 1:10



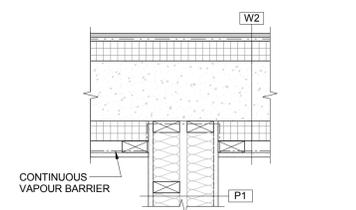
5 PLAN DETAIL-PARTY WALL AT CORRIDOR WALL (STRAIGHT)
A51-01-01 SCALE: 1:10



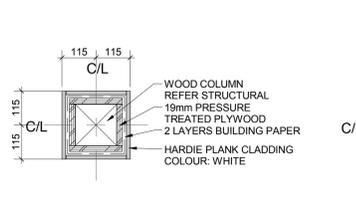
6 PRIVACY SCREEN
A51-01-01 SCALE: 1:10



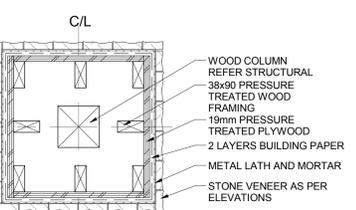
7 PLAN DETAIL-FOUNDATION WALL AT CORRIDOR WALL
A51-01-01 SCALE: 1:10



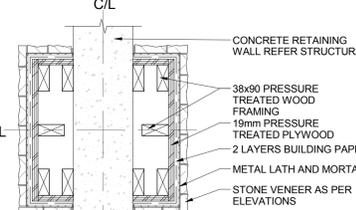
8 PLAN DETAIL-FOUNDATION WALL AT PARTY WALL
A51-01-01 SCALE: 1:10



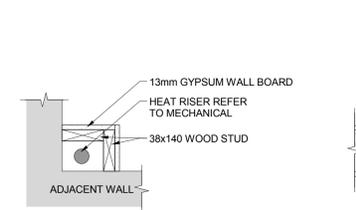
9 PLAN DETAIL-COLUMN
A51-01-01 SCALE: 1:10



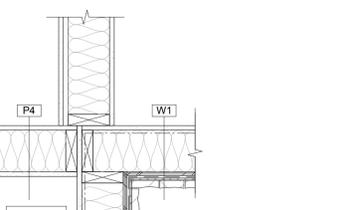
10 PLAN DETAIL-COLUMN BASE
A51-01-01 SCALE: 1:10



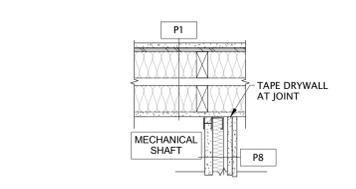
11 PLAN DETAIL-COLUMN BASE AT RETAINING WALL
A51-01-01 SCALE: 1:10



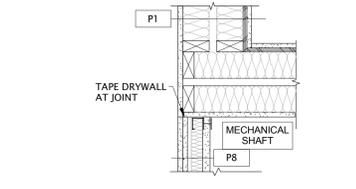
12 PLAN DETAIL-FURRED OUT RADIANT HEAT RISER
A51-01-01 SCALE: 1:10



13 PLAN DETAIL-EXTERIOR WALL AT CORRIDOR WALL
A51-01-01 SCALE: 1:10



14 PLAN DETAIL- MECHANICAL SHAFT @ PARTY WALL
A51-01-01 SCALE: 1:10



15 PLAN DETAIL- MECHANICAL SHAFT @ PARTY WALL CORNER
A51-01-01 SCALE: 1:10

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

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Project Component	
Key Plan	

Consultants	McElhanney Consulting Services Ltd.
Civil:	NORR Architects Engineers Planners
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

SEPT 01 2017

NORR PROJECT No. NCEM17-0002-00
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for JASPER NATIONAL PARK of CANADA
P. O. BOX 10, JASPER, AB T0E 1E0
ISSUED for BUILDING PERMIT

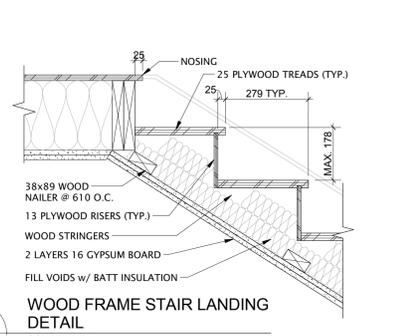
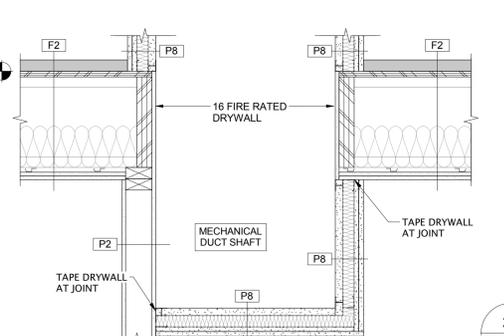
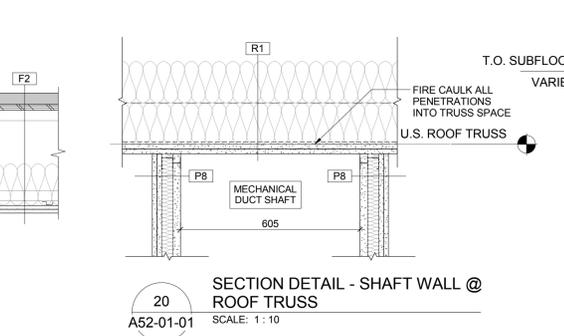
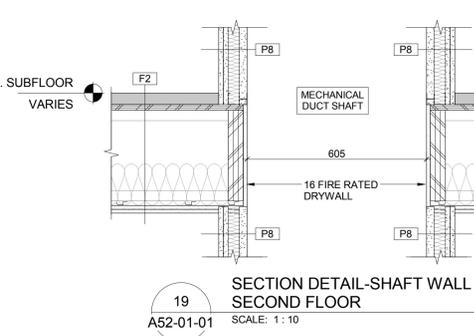
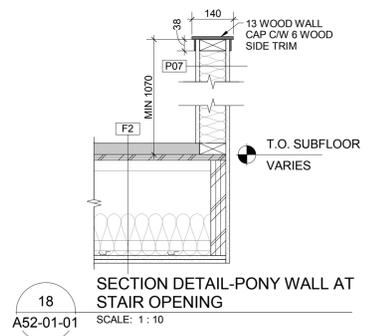
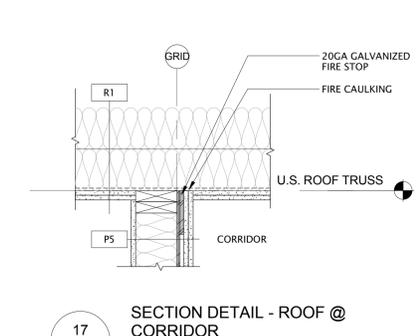
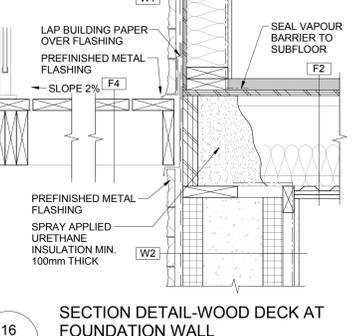
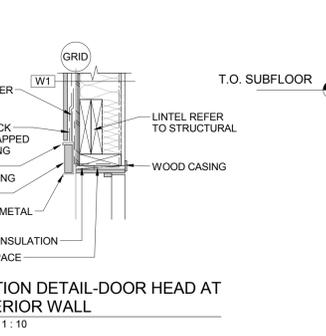
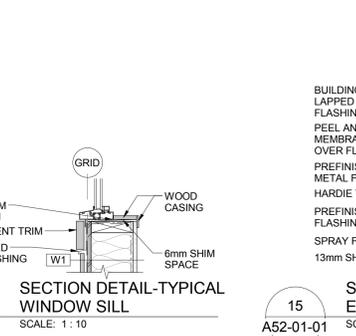
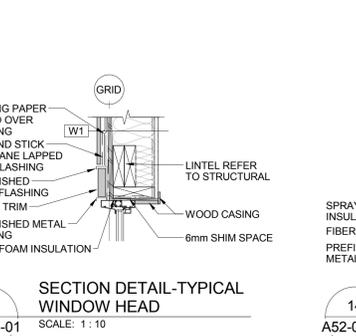
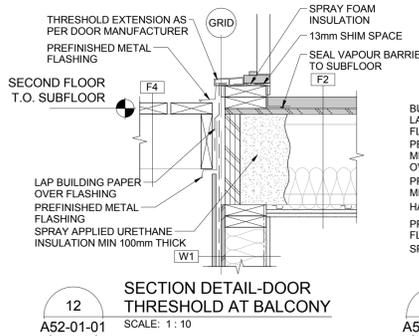
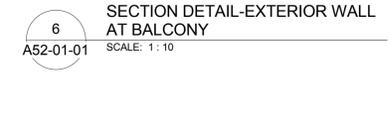
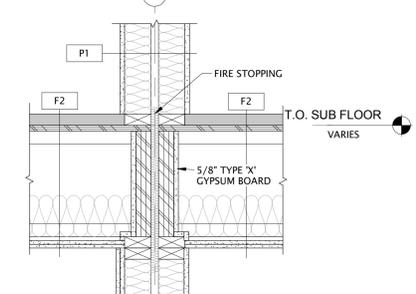
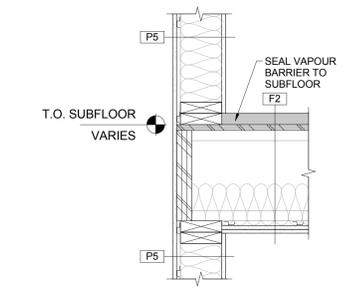
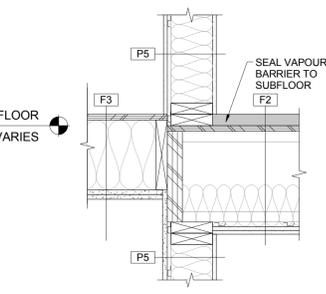
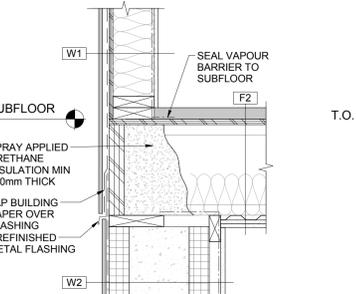
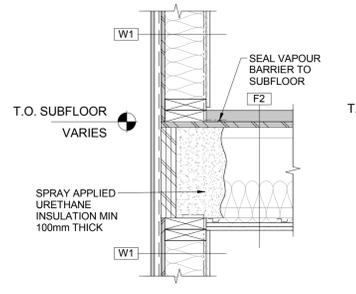
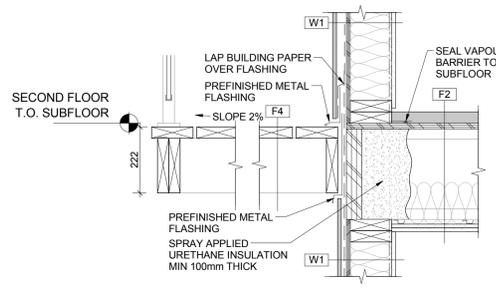
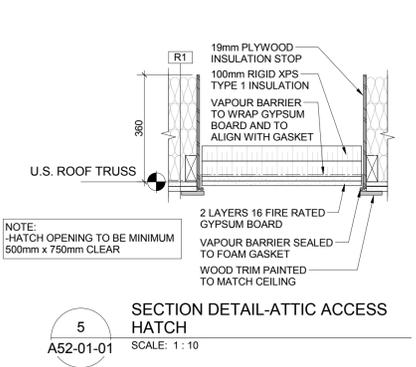
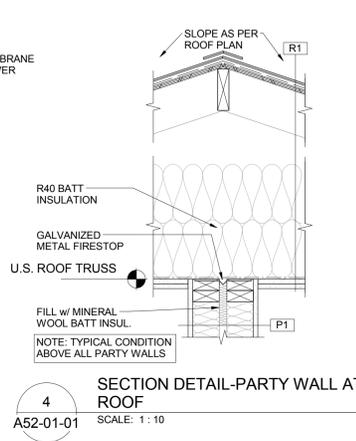
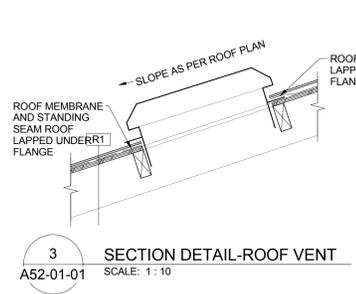
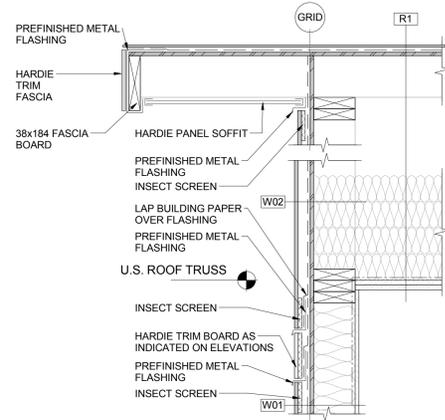
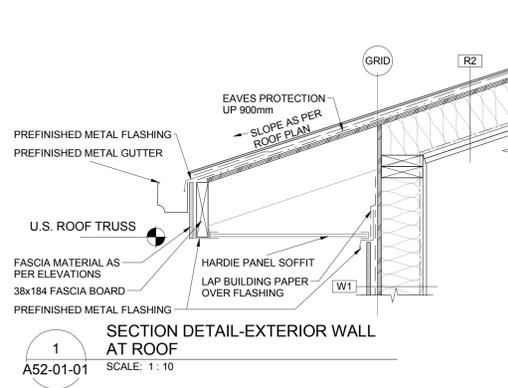
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Brenda M. McElhanney, Architect, AIA, S.Arch, M.A.S.C.
A. Glenn McElhanney, Architect, AIA, S.Arch, M.A.S.C.
Alicia L. Gable, P.Eng., A.P.E.C.A.
Chris P. P. Eng., A.P.E.C.A.

Project Manager	BIM Lead
CO	TB
Design Lead	Drawn
JD	DL
Project Leader	Checked
TB	AZ

PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB
Drawing Title
PLAN DETAILS
Scale
Project No. NCEM17-0002
Drawing No. A51-01-01



DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

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Project Component
Key Plan

Consultants
Civil: McElhanney Consulting Services Ltd.
Landscape: NORR Architects Engineers Planners
Architecture: NORR Architects Engineers Planners
Structural: NORR Architects Engineers Planners
Mechanical: NORR Architects Engineers Planners
Electrical: NORR Architects Engineers Planners

Seal(s)

 NORR PROJECT NO. NCEM17-0002-00
 JASPER PARK STAFF HOUSING
 918 PATRICIA STREET, JASPER, AB
 for JASPER NATIONAL PARK of CANADA
 P. O. BOX 10, JASPER, AB T0E 1E0
 ISSUED FOR BUILDING PERMIT

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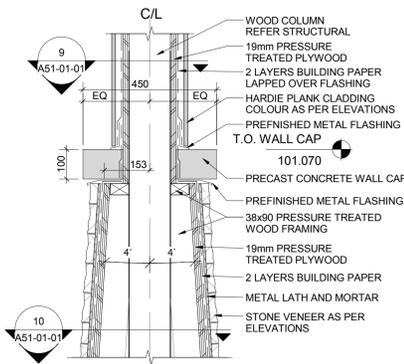
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 Brian M. McElhanney, Architect, AIA, S.Arch, M.A.S.C.
 A Group Incorporating: Architect, AIA, S.Arch, M.A.S.C.
 Action Labels, P.Eng., A.P.E.C.A.
 Chris Paul, P.Eng., A.P.E.C.A.

Project Manager	CO	BIM Lead	TB
Design Lead	JD	Drawn	DL
Project Leader	TB	Checked	AZ

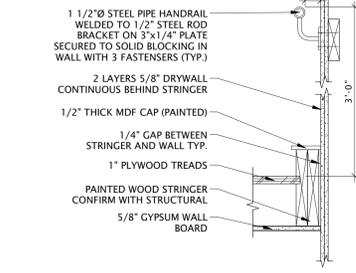
PARKS CANADA AGENCY
 Jasper National Park, Jasper, AB
 Project
JASPER PARK STAFF HOUSING
 918 Patricia Street
 JASPER, AB

Drawing Title
SECTION DETAILS

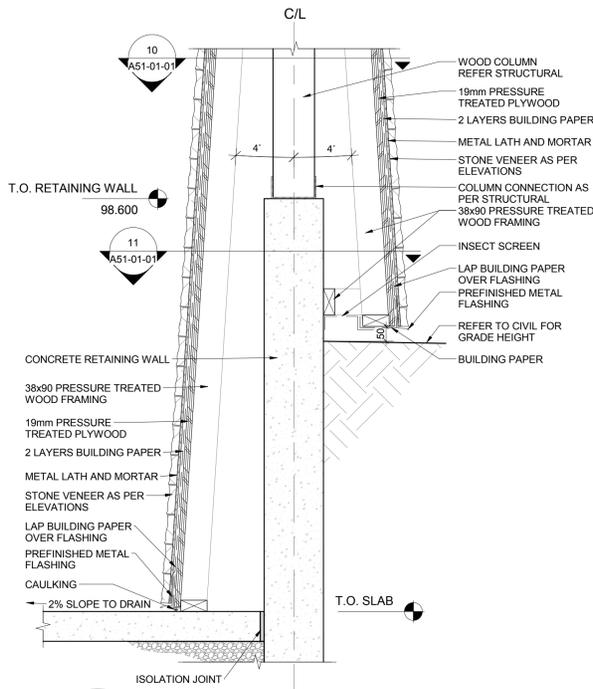
Scale	
Project No.	NCEM17-0002
Drawing No.	A52-01-01



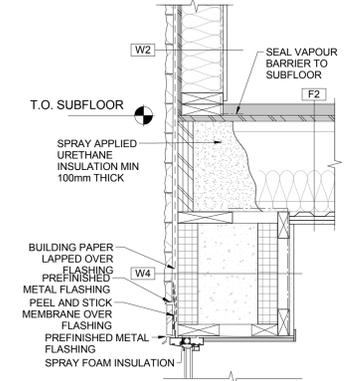
1 SECTION DETAIL-COLUMN AT TOP OF STONE
A52-01-02 SCALE: 1:10



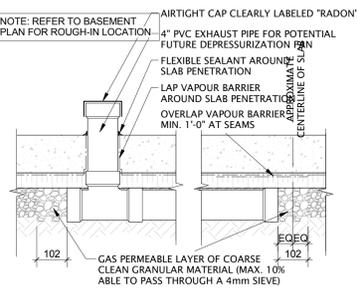
5 STAIR RAILING AT WOOD FRAME WALL
A52-01-02 SCALE: 1:10



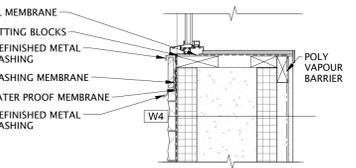
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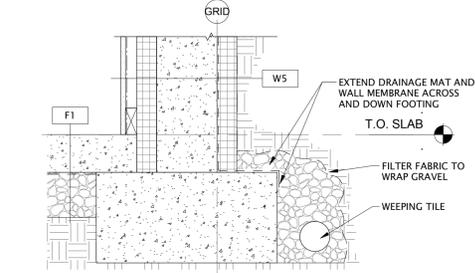
6 SECTION DETAIL-WINDOW HEAD @ FOUNDATION WALL
A52-01-02 SCALE: 1:10



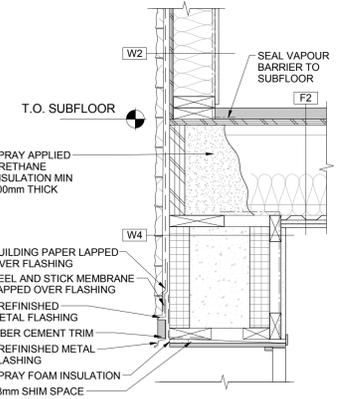
3 SECTION DETAIL - RADON MITIGATION ROUGH-IN
A52-01-02 SCALE: 1:10



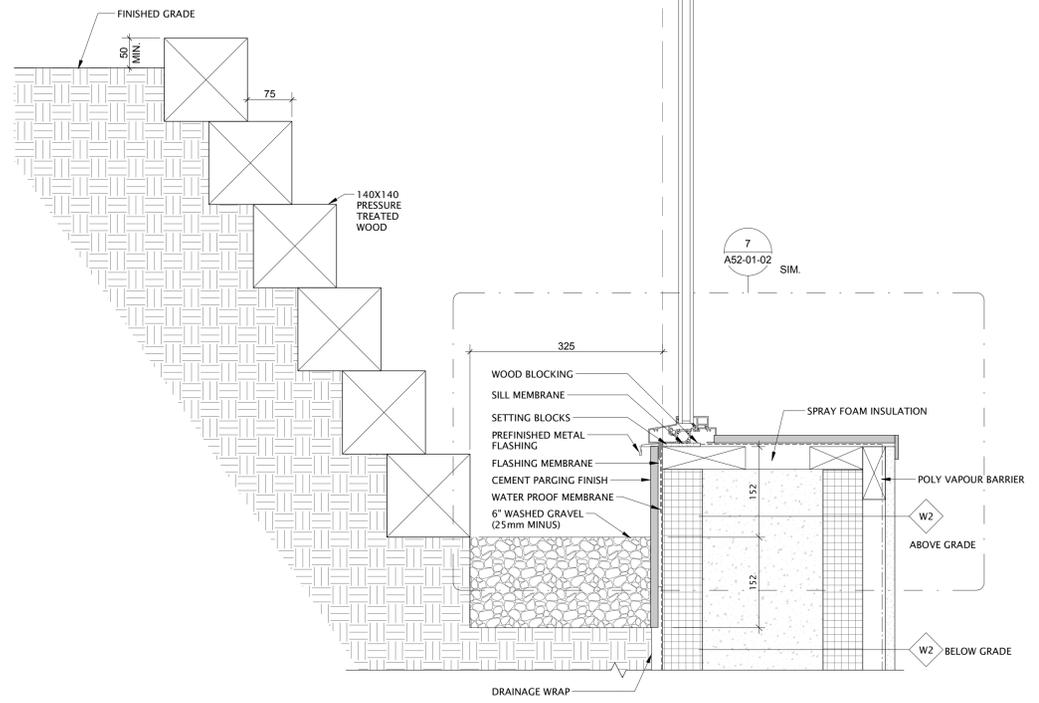
7 WINDOW SILL @ FOUNDATION
A52-01-02 SCALE: 1:10



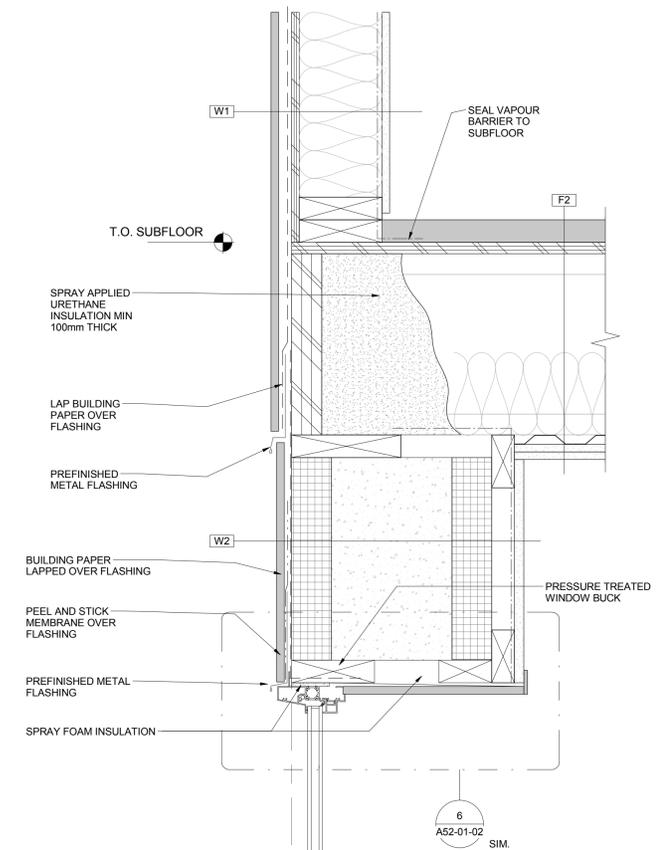
4 SECTION DETAIL - FOUNDATION FOOTING
A52-01-02 SCALE: 1:10



8 SECTION DETAIL-DOOR HEAD @ FOUNDATION WALL
A52-01-02 SCALE: 1:10



9 SECTION DETAIL-WINDOW WELL
A52-01-02 SCALE: 1:5



6 A52-01-02 SIM.

7 A52-01-02 SIM.

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

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Project Component	
Key Plan	

Consultants	McElhanney Consulting Services Ltd.
Civil:	NORR Architects Engineers Planners
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

Seal(s)

NORR PROJECT NO. NCEM17-0002-00
JASPER PARK STAFF HOUSING
918 PATRICIA STREET, JASPER, AB
FOR JASPER NATIONAL PARK OF CANADA
P. O. BOX 10, JASPER, AB T0E 1E0
ISSUED FOR BUILDING PERMIT

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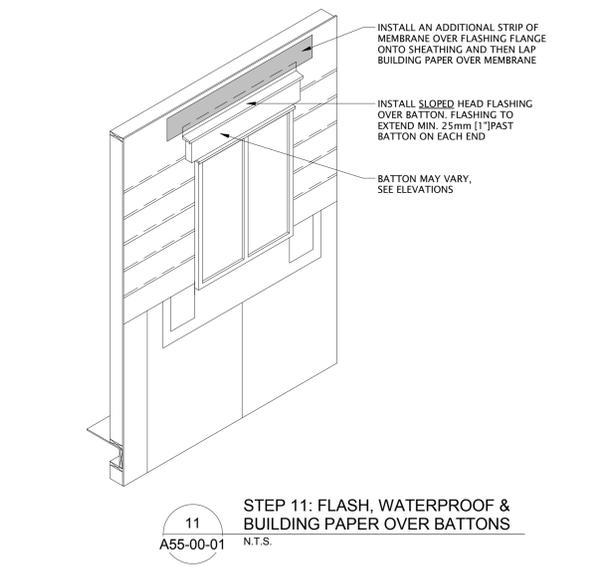
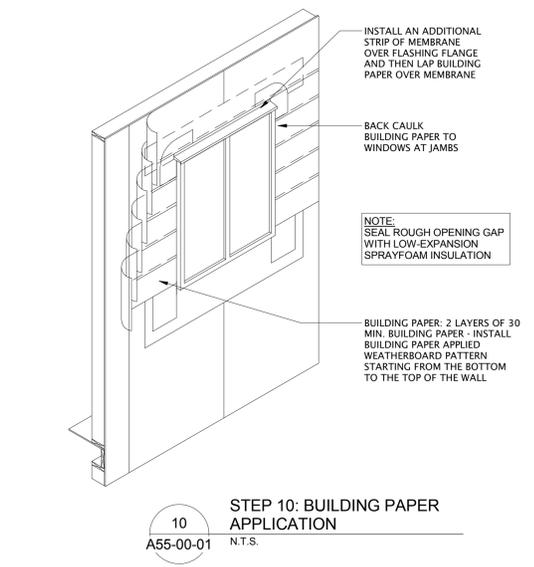
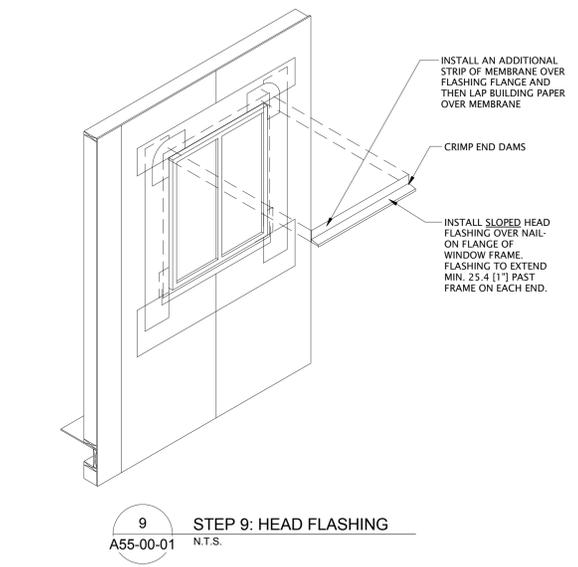
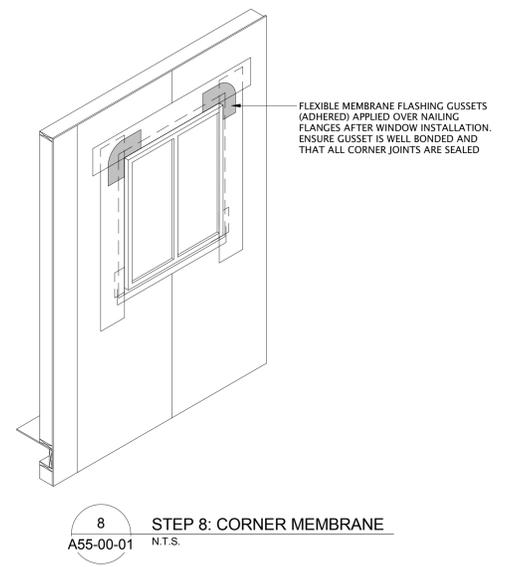
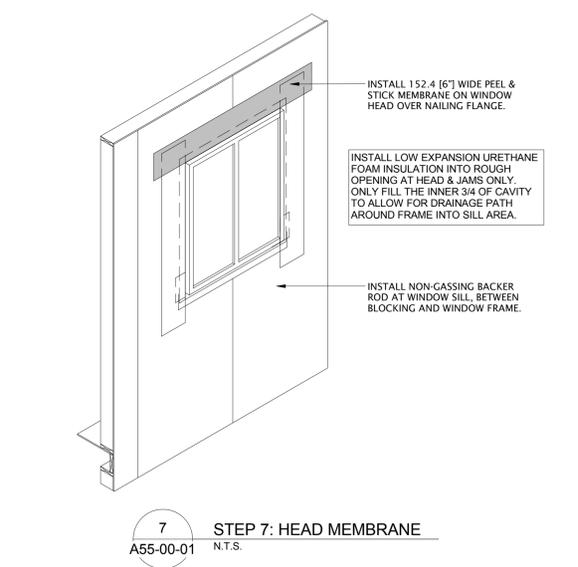
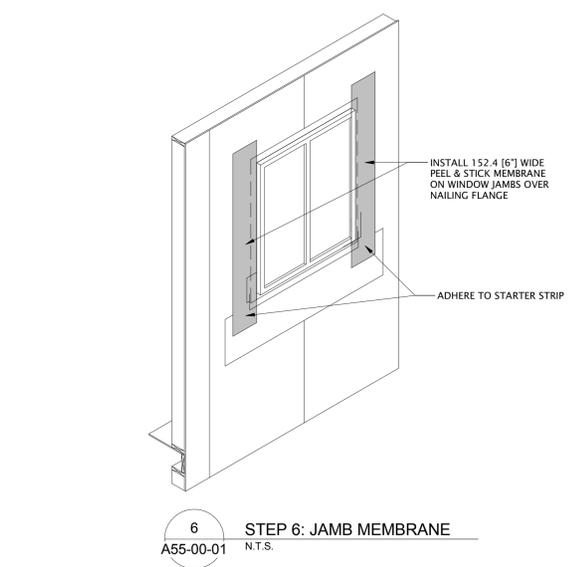
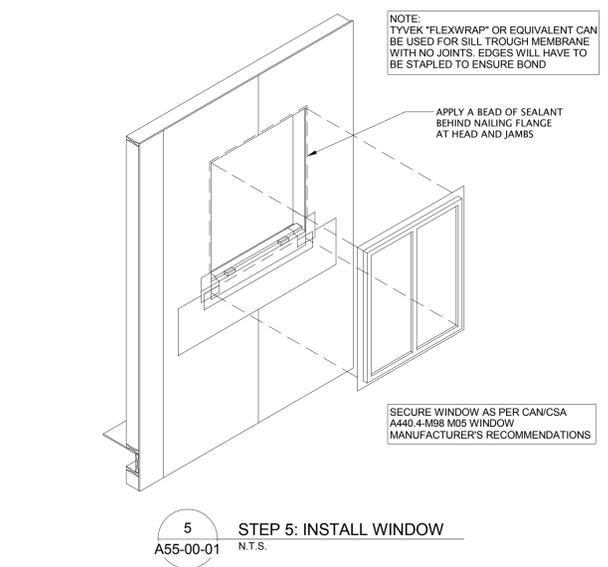
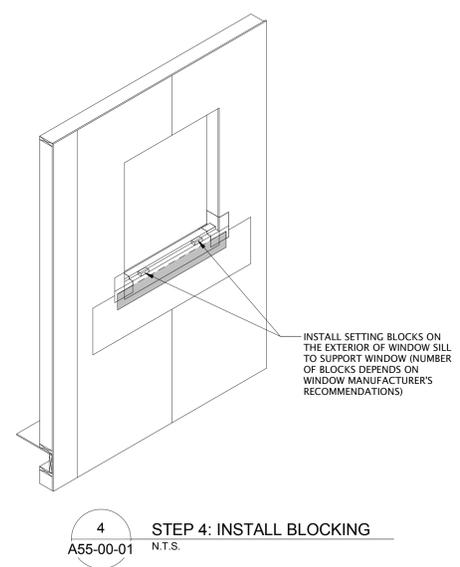
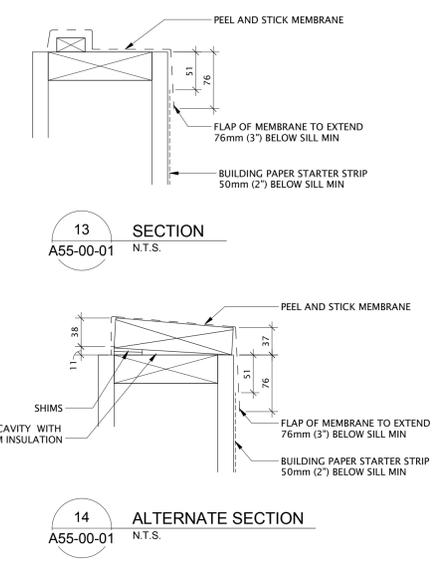
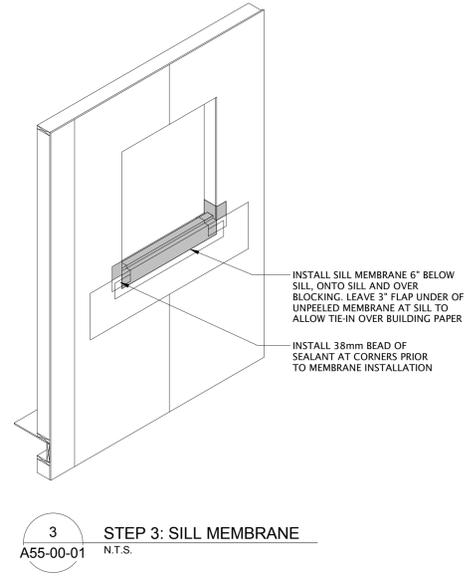
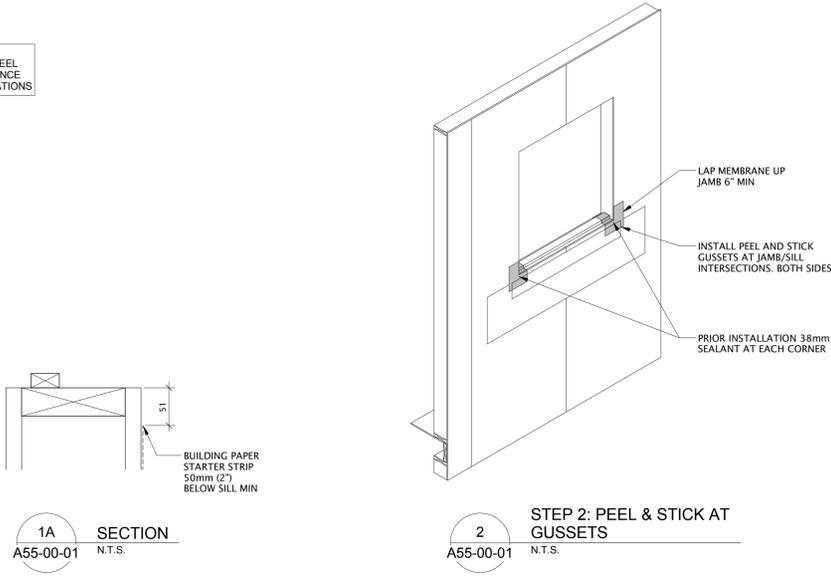
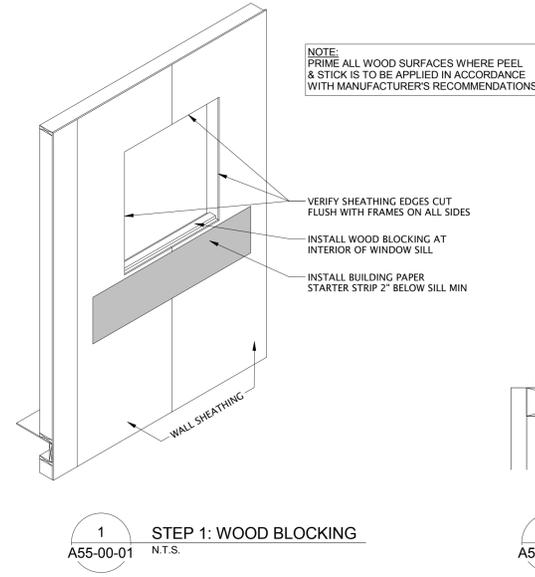
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Project Manager	BIM Lead
CO	TB
Design Lead	Drawn
JD	DL
Project Leader	Checked
TB	AZ

PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB
Drawing Title
SECTION DETAILS

Scale	
Project No.	NCEM17-0002
Drawing No.	A52-01-02

DATE	ISSUED FOR	REV
2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C



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Project Component

Key Plan

Consultants

Civil:	McElhanney Consulting Services Ltd.
Landscape:	NORR Architects Engineers Planners
Architecture:	NORR Architects Engineers Planners
Structural:	NORR Architects Engineers Planners
Mechanical:	NORR Architects Engineers Planners
Electrical:	NORR Architects Engineers Planners

Seal(s)

NORR PROJECT No. NCEM17-0002-00
JASPER PARK STAFF HOUSING
918 PATRICIA STREET, JASPER, AB
for JASPER NATIONAL PARK of CANADA
P. O. BOX 10, JASPER, AB T0E 1E0
ISSUED for BUILDING PERMIT

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A. John Housheer, Architect, AIA, S. Arch. M.A.S.C.
Alicia Sobush, P.Eng., APEGA
Chris Piro, P.Eng., APEGA

Project Manager	BIM Lead
CO	TB
Design Lead	Drawn
JD	DL
Project Leader	Checked
TB	AZ

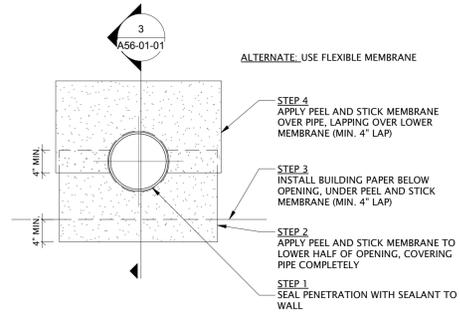
PARKS CANADA AGENCY
Jasper National Park, Jasper, AB

Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB

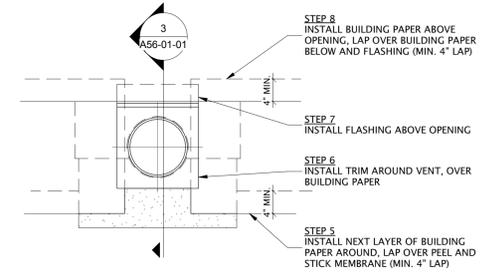
Drawing Title
WINDOW INSTALLATION DETAIL

Scale

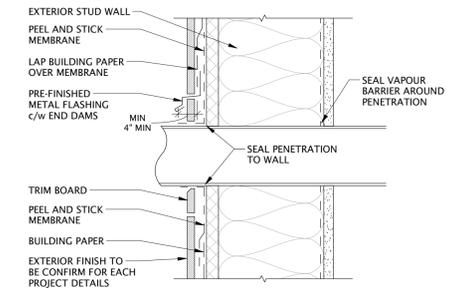
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Drawing No. A55-00-01



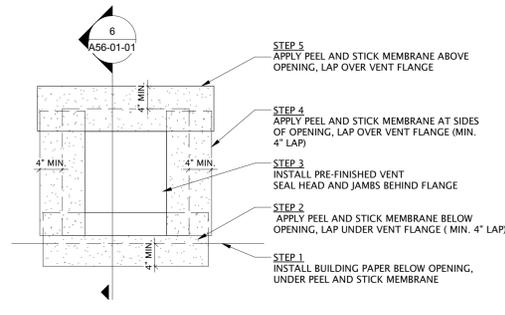
1 PENETRATION ROUND-STAGE 1
A56-01-01 SCALE: 1 : 12



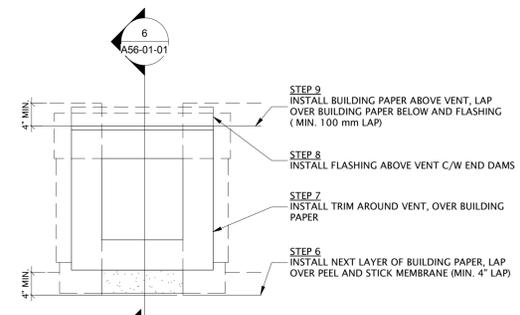
2 PENETRATION ROUND-STAGE 2
A56-01-01 SCALE: 1 : 12



3 PENETRATION ROUND-SECTION
A56-01-01 SCALE: 1 : 12

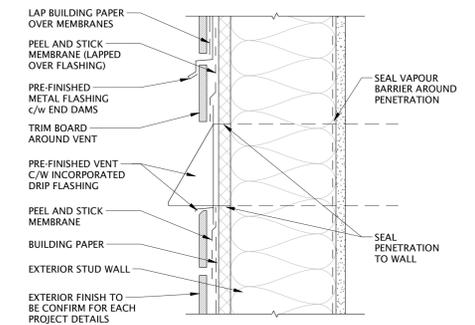


4 PENETRATION SQUARE-STAGE 1
A56-01-01 SCALE: 1 : 12



5 PENETRATION SQUARE-STAGE 2
A56-01-01 SCALE: 1 : 12

NOTE:
SMALL SQUARE PENETRATIONS TO BE
TREATED SIMILAR TO WINDOW OPENINGS



6 PENETRATION SQUARE-SECTION
A56-01-01 SCALE: 1 : 12

DATE	ISSUED FOR	REV
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Brenda McEwan, Architect, AIA, S. Arch. M.A.S.C.
A. Glenn Stephenson, Architect, AIA, S. Arch. M.A.S.C.
Alicia Laska, P.Eng., P.E.C.E.A.
Chris Paul, P.Eng., P.E.C.E.A.

Project Manager	BIM Lead
CO	TB
Design Lead	Drawn
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PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street
JASPER, AB
Drawing Title
MISCELLANEOUS DETAILS

Scale

Project No.	NCEM17-0002
Drawing No.	A56-01-01