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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

SURVEY FOOTHILLS SURVEYS (2009) LTD. #1 - 764 CARMICHAEL LANE HINTON, AB T7V 1T1 PHONE: 780-865-7200	CIVIL McElhanney Consulting Services Ltd. 500 – 999 8th Street SW Calgary, AB T2R 1J5 PHONE: 403 262 5042	ARCHITECTURE NORR Architects Engineers Planners Suite 304, 10722 - 103rd Avenue NW Edmonton, Alberta T5J 5G7 PHONE: 587 524 3990	STRUCTURAL NORR Architects Engineers Planners 2300, 411 - 1st Street SE Calgary, AB T2G 4Y5 PHONE: 403-264-4000
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ARCHITECTURAL		STRUCTURAL		MECHANICAL	
A00-00-00	COVER SHEET	S01-00-01	GENERAL NOTES	M00-01-01	MECHANICAL LEGEND, SCHEDULES AND DRAWING LIST
A00-00-01	DRAWING LIST	S01-00-02	GENERAL NOTES	M01-00-01	MECHANICAL DETAILS
A00-01-01	GENERAL NOTES & BUILDING CODE REVIEW	S02-00-01	TYPICAL DETAILS	M10-00-01	MECHANICAL SITE PLAN
A00-01-02	CONSTRUCTION TYPES	S02-00-02	TYPICAL DETAILS	M20-00-01	MECHANICAL FOUNDATION, BASEMENT PLUMBING AND FIRE PROTECTION PLAN
A02-01-01	DOOR SCHEDULE AND WINDOW LEGEND	S02-00-03	TYPICAL DETAILS	M20-01-01	MAIN AND SECOND FLOOR PLUMBING & FIRE PROTECTION PLAN
A10-00-01	SITE PLANS	S20-01-01	FLOOR PLANS - FOUNDATION & MAIN FLOOR FRAMING	M50-00-01	BASEMENT AND MAIN FLOOR VENTILATION PLAN
A20-01-01	BASEMENT & MAIN FLOOR PLANS	S20-02-01	FLOOR PLANS - 2ND FLOOR & ROOF FRAMING	M50-01-01	SECOND FLOOR VENTILATION PLAN & ROOF MECHANICAL PLAN
A20-01-02	SECOND FLOOR AND ROOF PLANS	S50-00-01	SECTIONS	M53-00-01	BASEMENT AND MAIN FLOOR HEATING PLAN
A30-01-01	BUILDING ELEVATIONS	S50-00-02	SECTIONS	M53-01-01	SECOND FLOOR HEATING PLAN
A30-01-02	BUILDING ELEVATIONS			M70-01-01	MECHANICAL DIAGRAMs
A50-00-01	BUILDING SECTIONS				
A50-00-02	WALL SECTIONS				
A51-01-01	PLAN DETAILS				
A52-01-01	SECTION DETAILS				
A52-01-02	SECTION DETAILS				
A55-00-01	WINDOW INSTALLATION DETAIL				
A56-01-01	MISCELLANEOUS DETAILS				
ELECTRICAL		CIVIL		LANDSCAPE	
E00-00-00	ELECTRICAL COVER SHEET	C001	EXISTING PLAN	L01-00	LANDSCAPE PLAN
E01-00-01	ELECTRICAL SITE PLAN	C002	PROPOSED DEEP UTILITY SERVICING PLAN	L02-00	LANDSCAPE DETAILS
E10-00-01	ELECTRICAL POWER & LIGHTING PLAN	C003	GRADING PLAN		
E40-00-01	ELECTRICAL DETAILS AND RISER DIAGRAMs				
E60-00-01	ELECTRICAL SCHEDULEs				
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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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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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

DRAWING LIST

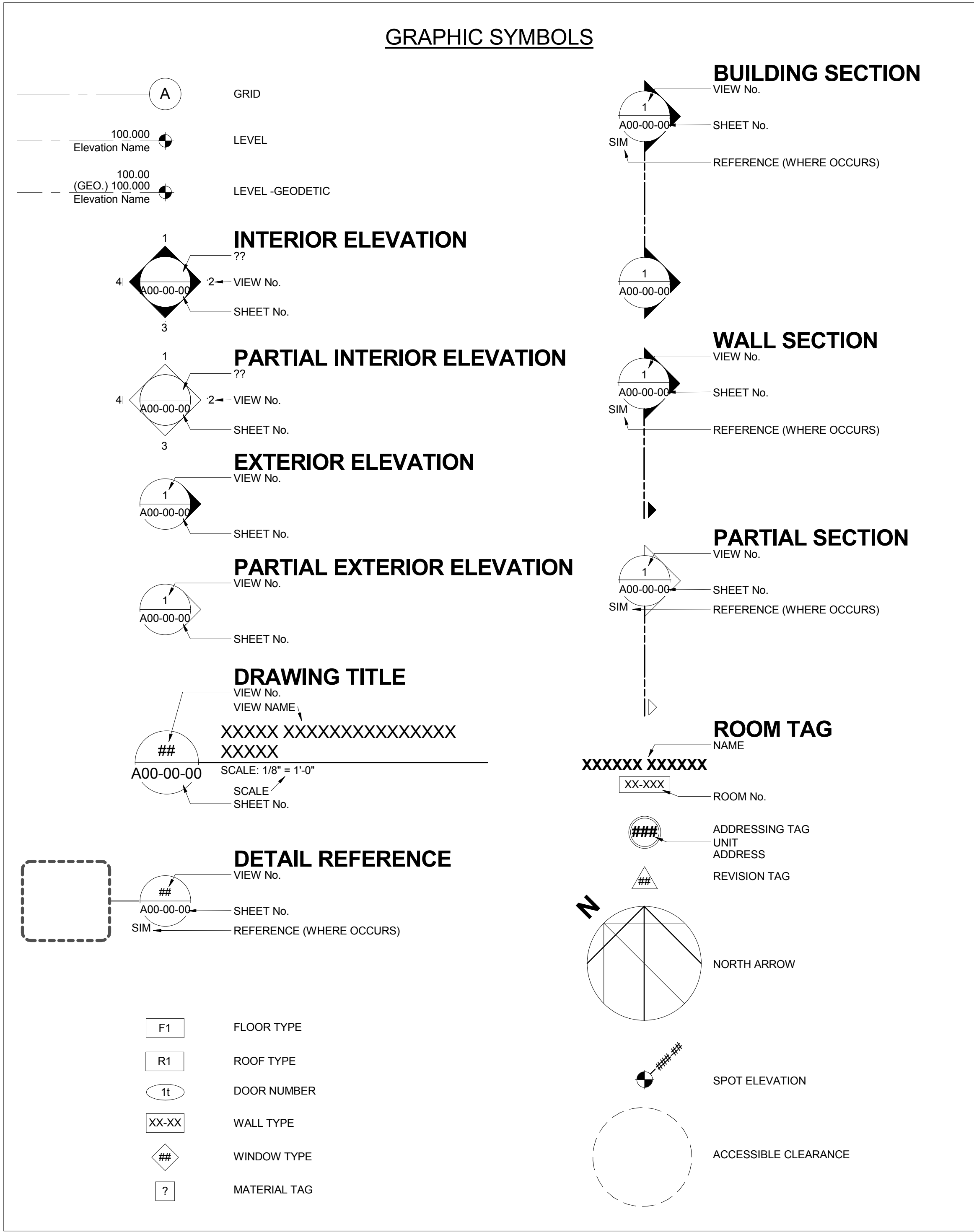
Scale

Project No. NCEM17-0002

Drawing No. A00-00-01

ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
ALUM	ALUMINUM	MIN	MINIMUM
APPROX	APPROXIMATE	MIR	MIRROR
ARCH	ARCHITECTURAL	MISC	MISCELLANEOUS
BLDG	BUILDING	MTD	MOUNTED
CPT	CARPET	N/A	NOT APPLICABLE
CJ	CONTROL JOINT	NIC	NOT IN CONTRACT
C	CENTERLINE	NTS	NOT TO SCALE
CL	CLOSET	O.C	ON CENTER
CLG	CEILING	OD	OUTSIDE DIAMETER
COL	COLUMN	OH	OVERHEAD
CONC	CONCRETE	PL	PROPERTY LINE
CONT	CONTINUOUS	PTD	PAINTED
CONST	CONSTRUCTION	PVC	POLYVINYL CHLORIDE
COORD	COORDINATE	R	RADIUS OR RISER
CORR	CORRIDOR	R/H	RANGE AND HOOD FAN
CW	COMPLETE WITH	RD	ROOF DRAIN
D	DEPTH/DEEP	REQD	REQUIRED
DN	DOWN	REV	REVERSE
DW	DISHWASHER	RI	RIGID INSULATION
DWG	DRAWING	RO	ROUGH OPENING
EA	EACH	RWL	RAIN WATER LEADER
ELEC	ELECTRICAL	S	SINK
ELEV	ELEVATION	SIM	SIMILAR
EQ	EQUAL	SPEC	SPECIFICATIONS
F	FRIDGE	ST	STEEL
FD	FLOOR DRAIN	STD	STANDARD
FE	FIRE EXTINGUISHER	STRUCT	STRUCTURAL
FG	FIBERGLASS	T/O	TOP OF
FLR	FLOOR	T&G	TONGUE & GROOVE
FRR	FIRE RESISTANCE RATING	TYP	TYPICAL
GALV	GALVANIZED	UIS	UNDERSIDE
GL	GLASS	VB	VAPOUR BARRIER
GWB	GYPSUM WALL BOARD	VEST	VESTIBULE
HT	HEIGHT	W	WIDTH
INSUL	INSULATION	W/C	WALK IN CLOSET
L	LONG	W/	WITH
MAX	MAXIMUM	W/D	WASHER AND DRYER
MC	MEDICINE CABINET	W/O	WALL OVEN

FIRE SEPARATION LEGEND	
— · — · —	1 HOUR FIRE RATING



BUILDING CODE REVIEW:

THE FOLLOWING NOTES PROVIDE INFORMATION HIGHLIGHTING BUILDING DESIGN CRITERIA. IT IS NOT INTENDED TO DESCRIBE ALL DESIGN & CONSTRUCTION REQUIREMENTS.

ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE BUILDING CODE.

BUILDING CODE REVIEW BASED ON ALBERTA BUILDING CODE 2014

MAJOR OCCUPANCIES:

GROUP C - RESIDENTIAL (LOWER LEVEL / MAIN LEVEL, & LEVEL 2)

BUILDING AREA:

MAX. BUILDING AREA FOR THE PROJECT DOES NOT EXCEED 600m²

BUILDING CLASSIFICATION:

3.2.2.54 GROUP C - UP TO THREE STOREYS, SPRINKLERED

BUILDING HEIGHT: 2 STOREYS ABOVE GRADE

FIRE CLOSURES (ABC, TABLE 9.10.13.1)

F.R.R. OF FIRE SEPARATION RATING OF CLOSURE

45 MIN. (0.75 HR)	20 MIN. (0.33 HR)
60 MIN. (1.00 HR)	45 MIN. (0.75 HR)
90 MIN. (1.50 HR)	60 MIN. (1.00 HR)
120 MIN. (2.00 HR)	90 MIN. (1.50 HR)

FIRE SEPARATIONS

PUBLIC CORRIDORS: A - NO PUBLIC CORRIDORS

BETWEEN SUITES: 1 HOUR (60 MIN.) F.R.R. - 9.10.9.14.(3)

EXITS: NO RATING REQUIRED - 9.9.4.2.(1)

SERVICE ROOMS: NO RATING REQUIRED - 9.10.10.4.(2)

MINIMUM EGRESS WIDTH (TABLE 9.5.5.1) & HALLWAY WIDTH (9.5.4.1)

DOOR (MINIMUM): 2'-8" (810 MM)

HALLWAY (MINIMUM): 2'-9 7/8" (865 MM) EXCEPT WHEN THE HALLWAY WIDTH IS PERMITTED TO BE 2'-4" (710MM).

HEADROOM CLEARANCES:

DOORS & EXITS: 6'-6" (1980 MM) - TABLE 9.5.5.1.

STAIRS & LANDINGS: 6'-4 1/2" (1950 MM) - 9.8.2.2.(3.)

STORAGE GARAGE: 6'-6 3/4" (2000 MM) - 9.5.3.3.

BASEMENT (INC. LAUNDRY AREA): 6'-6 3/4" (2000 MM) CLEAR HT. (UNDER BEAMS & IN ANY LOCATION NORMALLY USED FOR PASSAGE) - TABLE 9.5.3.1.

TRAVEL LIMIT TO EXITS OR EGRESS DOORS - 9.9.9.1.(2)

WHERE A DWELLING UNIT IS NOT LOCATED ABOVE OR BELOW ANOTHER SUITE, THE TRAVEL LIMIT FROM A FLOOR LEVEL IN THE DWELLING UNIT TO AN EXIT OR EGRESS DOOR MAY EXCEED 1 STOREY

WHERE THAT FLOOR IS SERVED BY AN OPENABLE WINDOW WITH AN UNOBSTRUCTED OPENING OF NOT LESS THAN 3'-3 3/8" (1.0 M) IN HEIGHT AND 1'-9 5/8" (0.55 M) IN WIDTH, LOCATED SO THE SILL IS NOT GREATER THAN 3'-3 3/8" (1.0 M) ABOVE THE FLOOR LINE AND 22'-11 1/2" (7.0 M) ABOVE THE ADJACENT GROUND LEVEL.

CONCEALED SPACES: (9.10.16.1.(5))

COMPARTMENTALIZATION OF CONCEALED ATTIC SPACE OR CEILING SPACE BY FIRE STOPPING INTO 300 SQ.M. IN AREA WITH NO DIMENSION MORE THAN 60m.

13 GWB, OR 13 O.S.B. FIRE STOPPING OF ROOF GABLE TRUSS HAVING ALL JOINTS ON CONTINUOUS SUPPORT.

SERVICE ROOM REQUIREMENTS

ACCESS - 9.33.4.4. - EQUIPMENT FORMING PART OF A HEATING OR AIR-CONDITIONING SYSTEM SHALL BE INSTALLED WITH PROVISION FOR ACCESS FOR INSPECTION, MAINTENANCE, REPAIR AND CLEANING.

SPATIAL SEPARATION AND EXPOSURE PROTECTION OF BUILDINGS (9.10.15.5)

LIMITING DISTANCE IS LESS THAN 6'-6 3/4" (2.0 M) AND GREATER THAN 4'-0" (1.2M) THEREFORE WINDOWS ARE PERMITTED. NO SINGLE WINDOW MORE THAN 50% OF ALLOWABLE GLAZED AREA SOFFITS BEYOND 4'-0" (1.2 M) THEREFORE DO NOT REQUIRE NON-COMBUSTIBLE CONSTRUCTION WITH NO VENT HOLES.

SOUND CONTROL - (9.11.2.1.)

MINIMUM REQUIRED SOUND TRANSMISSION CLASS (STC) RATING BETWEEN UNITS IS 50.

ALARM AND DETECTION SYSTEMS - (9.10.18.2.5)

A FIRE ALARM SYSTEM IS NOT REQUIRED FOR SUITES WITH DIRECT ACCESS TO AN EXTERIOR EXIT.

FIRE RATING OF EXPOSED BUILDING FACE - (FIGURE A-9.10.15.4.(2)-A)

EXTERIOR WALLS THAT HAVE A LIMITING DISTANCE OF 1.2M OR GREATER ARE NOT REQUIRED TO BE RATED, AS LONG AS THEY CONFORM WITH THE ALLOWABLE AMOUNT OF UNPROTECTED OPENINGS. NON-COMBUSTIBLE CLADDING IS ALSO NOT REQUIRED.

FIRE PROTECTION OF BALCONIES - (9.10.12.5)

BUILDINGS THAT CONTAIN MORE THAN 2 UNITS, ARE AT LEAST 2 STOREYS IN HEIGHT, HAVE DWELLING UNITS ABOVE OTHER DWELLING UNITS AND ARE NOT SPRINKLERED MUST HAVE BALCONIES THAT COMPLY WITH THIS SECTION.

GENERAL NOTES:

1. ALL CONSTRUCTION TO COMPLY WITH ALBERTA BUILDING CODE, REGULATIONS, RULES AND BY-LAWS SET BY THE AUTHORITY HAVING JURISDICTION.

2. PROVIDE AND MAINTAIN CONTINUOUS FIRE/SMOKE SEPARATIONS. EACH TRADE IS TO FIRE STOP ALL SERVICE PENETRATIONS ASSOCIATED WITH THEIR WORK WITH APPROVED AND ULC LISTED FIREPROOF SYSTEMS.

3. PROVIDE AND MAINTAIN CONTINUOUS AIR/VAPOUR BARRIER SYSTEM. CAULK AROUND OPENINGS AND GAPS WITH SEALANT TO ACHIEVE A CONTINUOUS BARRIER.

4. PROVIDE AND MAINTAIN CONTINUOUS ACOUSTIC BARRIER SYSTEM. AVOID SOUND TRANSMISSION THROUGH DIRECT CONTACT AT ACOUSTICALLY TREATED SURFACES. COMPLETELY SEAL ALL PENETRATIONS WITH ACOUSTIC SEALANT, TAPE AND INSULATION AS REQUIRED TO PREVENT SOUND TRANSFER AND MAINTAIN THE REQUIRED STC RATINGS OF THE WALL SYSTEMS. PROVIDE APPROVED ISOLATION METHODS TO ALL NOISE GENERATING AND MOVING EQUIPMENT.

5. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO FABRICATION. PROMPTLY NOTIFY THE ARCHITECT OF ANY ERRORS OR OMISSIONS.

6. DIMENSIONS ARE TAKEN TO GRID LINES, TO FACE OF STUD, TO FACE OF CONCRETE AND / OR BLOCK WALLS AND TO FACE OF CONCRETE SLAB.

7. THE GENERAL CONTRACTOR SHALL ARRANGE FOR AND COORDINATE ALL INCOMING AND OUTGOING MECHANICAL AND ELECTRICAL SERVICES FOR THIS PROJECT.

8. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES AS REQUIRED TO ENSURE EFFICIENT, CORRECT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK TO AVOID CONFLICT IN THE TRADE WORK AND SCHEDULE.

9. REFER TO STRUCTURAL DRAWINGS FOR COLUMN SHAPES, SIZES, LOCATIONS AND REINFORCEMENT.

10. ALL DOORS AND WINDOWS REFERENCED ON THE PLANS AND SCHEDULES ARE SHOWN NOMINAL SIZE. CONFIRM AND VERIFY ALL ROUGH OPENING SIZE REQUIREMENTS WITH THE SELECTED PRODUCT MANUFACTURER AND SITE CONDITIONS PRIOR TO FABRICATION. REFER TO MANUFACTURERS INSTALLATION MANUAL.

11. ALL INTERIOR DOOR OPENINGS IN STUD FRAMING WALLS TO BE SPACED A MINIMUM OF 76mm FROM THE ADJACENT WALL, UNLESS NOTED OTHERWISE.

12. ALL DOOR OPENINGS IN CONCRETE OR CONCRETE BLOCK WALLS TO BE 100mm FROM THE ADJACENT WALL OR FLUSH WITH FACE OF WALL IN TIGHT CONDITIONS, UNLESS NOTED OTHERWISE.

13. PROVIDE AND INSTALL SOLID BLOCKING AND BACKING WITHIN THE WALLS FOR ALL WASHROOM AND BATHROOM ACCESSORIES, HANDRAILS, GUARDS, LADDERS, MECHANICAL AND ELECTRICAL FIXTURES AND EQUIPMENT, ETC. AS REQUIRED FOR PROPER ANCHORING.

14. ALL CONSTRUCTION TO COMPLY WITH INDUSTRY TRADE STANDARDS, AS WELL AS MANUFACTURERS' RECOMMENDATIONS, TO THE EXTENT THAT THOSE INSTRUCTIONS AND RECOMMENDATIONS ARE MORE EXPLICIT OR STRINGENT THAN THE REQUIREMENTS CONTAINED IN THESE CONTRACT DOCUMENTS.

15. MECHANICAL LINES ARE NOT TO BE IN CONTACT WITH THE STUD WALLS OR CONCRETE WALL OR FLOOR ASSEMBLIES. ISOLATE ALL PIPES TO AVOID SOUND TRANSMISSION. INSTALL NEOPRENE RUBBER PAD ON TOP OF SUBSTRATE SURFACE (BOTTOM PLATE, CONCRETE ETC.) BEFORE ALL MECHANICAL CLAMPS ARE TIGHTENED INTO PLACE.

16. CONFIRM ALL ROUGH OPENING SIZES AND CONNECTION REQUIREMENTS FOR MECHANICAL, ELECTRICAL AND OWNER SUPPLIED EQUIPMENT. ADJUST ROUGH OPENING SIZES TO SUIT.

17. INSTALL & CONNECT OWNER SUPPLIED EQUIPMENT OR APPLIANCES AS DIRECTED, CENTERED, LEVEL AND TRUE.

18. PROVIDE ALL WARRANTIES, BONDS AND MANUFACTURERS' OPERATING INSTRUCTION AND SERVICE MANUALS AS WELL AS PARTS LISTS AT THE COMPLETION OF THE PROJECT.

19. EXTERIOR WALL CONSTRUCTION TO COMPLY WITH "ALBERTA WALL & CEILING BUREAU" DETAILS AND REQUIREMENTS.

KITCHEN & BATH CABINETS:

KITCHEN & BATHROOM CABINETS, REFER TO PERFORMANCE SPECIFICATIONS PROVIDED ON DRAWINGS and/or SUPPLEMENTARY SPECIFICATION BOOKLET.

IT IS THE INTENTION OF THE OWNER THAT THE KITCHEN & BATH CASEWORK & ALL RELATED COUNTERTOPS & MILLWORK BE PROVIDED ON A DESIGN/BUILD BASIS, WITH ALL WORK INCLUDED TO PROVIDE COMPLETE, CODE COMPLIANT & FUNCTIONAL INSTALLATION COORDINATED WITH OWNER SUPPLIED APPLIANCES & THE WORK OF OTHER TRADES INCLUDING PLUMBING, ELECTRICAL POWER & LIGHTING.

COLUMN & BEAM RATING:

PROVIDE F.R.R. TO ALL COLUMNS, LOAD BEARING WALLS AND BEAMS EQUAL TO THE STRUCTURE BEING SUPPORTED (REFER TO ITEM #8 IN THE BUILDING CODE REVIEW).

STRUCTURAL:

READ THESE DRAWINGS IN CONJUNCTION WITH THE STRUCTURAL ENGINEER'S DRAWINGS. WHERE STRUCTURAL DRAWINGS CONFLICT WITH THE REQUIREMENTS OF THE BUILDING CODE, THE STRUCTURAL ENGINEER SHALL BE CONSULTED FOR DIRECTION. NO CHANGE TO THE STRUCTURAL DESIGN SHALL BE IMPLEMENTED WITHOUT WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER.

MECHANICAL & ELECTRICAL:

THE ARCHITECTURAL DRAWINGS INDICATE GENERAL DESIGN INTENT FOR MAIN DUCT RUNS & SHAFTS, FURNACE & WATER HEATER FLUE LOCATIONS, ELECTRICAL PANEL LOCATIONS, POWER & COMMUNICATION OUTLETS, LIGHTING & RELATED SWITCHING.

IT IS THE INTENTION OF THE OWNER THAT THE MECHANICAL & ELECTRICAL SYSTEMS BE PROVIDED ON A DESIGN CONSULTANT BASIS, WITH ALL WORK INCLUDED TO PROVIDE COMPLETE, CODE COMPLIANT SYSTEMS FOR HEATING, PLUMBING, ELECTRICAL POWER, COMMUNICATIONS & LIGHTING.

REFER TO DRAWINGS &/or ADDITIONAL SPECIFICATIONS ISSUED BY THE CONSTRUCTION MANAGER.

WALL & PARTITION NOTES:

A. ALL INTERIOR WALLS EXTEND TO U/S OF STRUCTURE UNLESS NOTED OTHERWISE.

B. REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL REQUIREMENT & LOCATION.

C. ALL LOAD BEARING WALLS, TOP PLATES TO BE 2 PLY OF 38 WOOD MATERIAL, SAME SIZE AS WALL STUD. BOTTOM PLATE TO BE 2 PLY OF 38 WOOD MATERIAL, SAME SIZE AS WALL STUD.

D. FOR STUD SPACING, UNTEL SIZE, JOIST SPACING & OTHER RELATED INFORMATION, REFER TO STRUCTURAL DRAWINGS.

E. MECHANICAL LINES TO BE INSULATED WITH INSULATION, SEE ALSO MECHANICAL SPECIFICATIONS.

F. 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 406 o/c MAX.

G. 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.

H. WHERE WALL ABOVE IS PARALLEL TO FLOOR JOIST, TRUSS MANUFACTURER TO PROVIDE BLOCKING AT 610 PERPENDICULAR TO JOISTS FOR WALL BASE PLATE FASTENING.

J. GENERALLY DIMENSIONS ARE TAKEN TO FACE OF WALL FRAMING OR CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE.

K. APPLY CONSTRUCTION ADHESIVE BETWEEN TOP & BOTTOM WALL TO FLOOR CONSTRUCTIONS. AT EXTERIOR & DEMISING WALLS, REFER TO SECTION DETAILS FOR TYP. LOCATIONS

ROOF ASSEMBLIES:

FOR FIRE STOPPING IN ATTIC SPACE, AS PER DRAWINGS.

PROVIDE FINISHED GALVANIZED METAL FLASHING OVER WATERPROOFING MEMBRANE (200 MIN. RETURN ON WALLS & 405 OVERLAP ROOFING FELT).

PROVIDE "PEEL & STICK" OR EQUIVALENT FOR ENTRANCE ROOF.

PROVIDE ATTIC VENTILATION AS PER CODE (1/150 FOR LOW ROOF AREA & 1/300 FOR SLOPED ROOF AREA).

NOTE: ALL ROOFING TO MEET REQUIREMENTS OF ARCA. ALL DOWN SPOUTS FROM RAIN WATER LEADERS TO BE LOCATED AS SHOWN ON PLANS & ELEVATIONS.

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2017-06-28	DEVELOPMENT PERMIT	A
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2017-09-01	BUILDING PERMIT	C

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Project Component

Key Plan

Consultants	McHanney Consulting Services Ltd.
Civil:	NORR Architects Engineers Planners
Landscape:	NORR Architects Engineers Planners
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Seal(s)



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Chris Poir, P.Eng., APEGGA

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

GENERAL NOTES & BUILDING CODE REVIEW

Scale

Project No. NCEM17-0002

Drawing No. A00-01-01

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 U/S 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:	
F1 - BASEMENT FLOOR SLAB <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		W1 - TYPICAL 140 EXTERIOR WALL (ABC TABLE A.9.10.3.1-A WALL EW1A) NON-RATED <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- 89 WOOD STUDS @ 610 o.c.- 6 mil POLYETHYLENE VAPOUR BARRIER- 16 GYPSUM BOARD		P1 - PARTY WALL 1.0HR F.R.R. STC 57 (ABC TABLE A.9.10.3.1-A WALL W13A) <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		R1- TYP. OPEN TRUSS ROOF <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	
F1A - EXTERIOR PATIO SLAB <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		W2 - TYPICAL 140 EXTERIOR STONE WALL CONSTRUCTION <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		P2 - 92 INTERIOR STUD WALL <ul style="list-style-type: none">- 13 GYPSUM BOARD- 89 WOOD STUDS @ 610 o.c.- 13 GYPSUM BOARD		R2- TYP. NON-VENTED ROOF <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	
F2 - TYPICAL FLOOR (1 HR F.R.R.) <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		W3 - FOUNDATION/BSMT WALL <ul style="list-style-type: none">- CEMENT PARCING 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		P3 - 140 INTERIOR STUD WALL <ul style="list-style-type: none">- 13 GYPSUM BOARD- 140 WOOD STUDS @ 610 o.c.- 13 GYPSUM BOARD		R3- PORCH ROOF <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	
F3 - TYPICAL STAIR LANDING <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)		W4 - FOUNDATION/BSMT WALL - STONE FINISH <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		P4 - 140 INTERIOR STUD WALL - PLUMBING <ul style="list-style-type: none">- 13 GYPSUM BOARD- 140 WOOD STUDS @ 610 o.c.- R-20 FRICTION FIT BATT INSULATION- 13GYPSUM BOARD			
F4 - TYPICAL EXTERIOR WOOD DECK <ul style="list-style-type: none">- 140 PRESSURE TREATED DECKING- 184 PRESSURE TREATED JOISTS @ 406 o.c.- STRUCTURAL SUPPORT, REFER TO STRUCTURAL		W5 - FOUNDATION/BSMT WALL <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		P5 - 140 CORRIDOR WALL <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			
		W6 - FOUNDATION - STONE FINISH <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		P6 - 140 INTERIOR FURRING WALL - PLUMBING <ul style="list-style-type: none">- 13 GYPSUM BOARD- 140 WOOD STUDS @ 610 o.c.- R-20 FRICTION FIT BATT INSULATION AT PLUMBING LINES			
		W7 - FOUNDATION <ul style="list-style-type: none">- WATERPROOFING MEMBRANE BELOW GRADE- 203 ICF CONCRETE WALL, SEE STRUCTURAL		P7 - 140 INTERIOR STUD WALL (1 HOUR) <ul style="list-style-type: none">- 16 GYPSUM BOARD- 140 WOOD STUDS @ 610 o.c.- 16 GYPSUM BOARD			
		W8 - 140 PRIVACY SCREEN <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		P8 - 116 SHAFT WALL (1 HOUR) <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			

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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)

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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Ashley Tordella, P.Eng., APESCA
Chris Paul, P.Eng., APESCA

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			HARDWARE
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	
D01	MAIN ENTRY	914	2032	50	1	MCW	PF	A	MCW	PF	--
D02	PATIO/BALCONY	914	2032	50	2	MCW	PF	A	MCW	PF	--
D03	SUITE ENTRY	914	2032	50	3	MCW	PF	C	PS	PT	45 MINUTE
D04	ELEC. / MECH.	914	2032	50	3	HM	PT	C	PS	PT	45 MINUTE
D05	STORAGE	914	2032	50	3	HM	PT	C	PS	PT	45 MINUTE
D06	LAUNDRY	914	2032	50	3	HM	PT	C	PS	PT	45 MINUTE
D07	BEDROOM	762	2032	35	3	SCW	PT	B	WD	PT	--
D08	WASHROOM	762	2032	35	3	SCW	PT	B	WD	PT	--
D09	CLOSET	762	2032	35	3	SCW	PT	B	WD	PT	--
D10	CLOSET	915	2032	35	4	SCW	PT	B	WD	PT	--
D11	CLOSET	1219	2032	35	4	SCW	PT	B	WD	PT	--
D12	CLOSET	1524	2032	35	4	SCW	PT	B	WD	PT	--
D13	LINEN CLOSET	610	2032	35	3	SCW	PT	B	WD	PT	--

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.

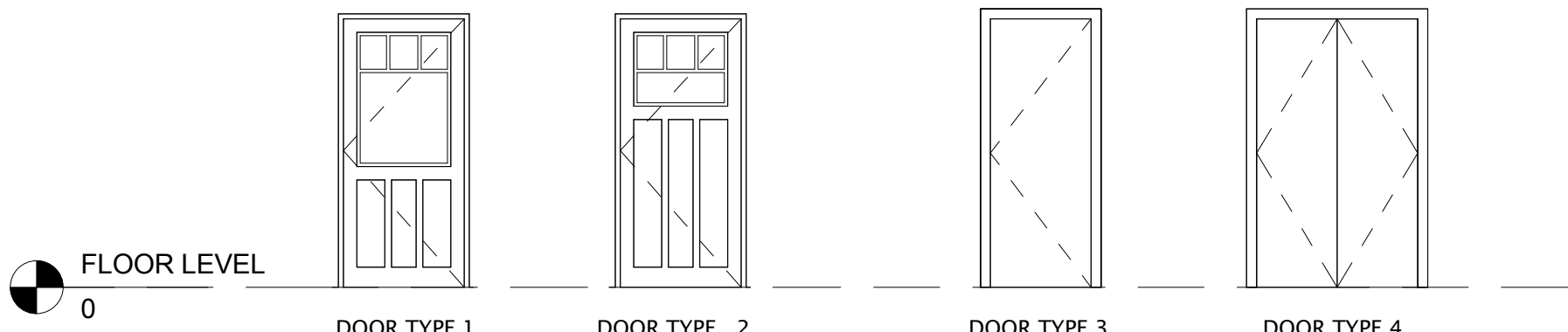
DOOR ABBREVIATIONS

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

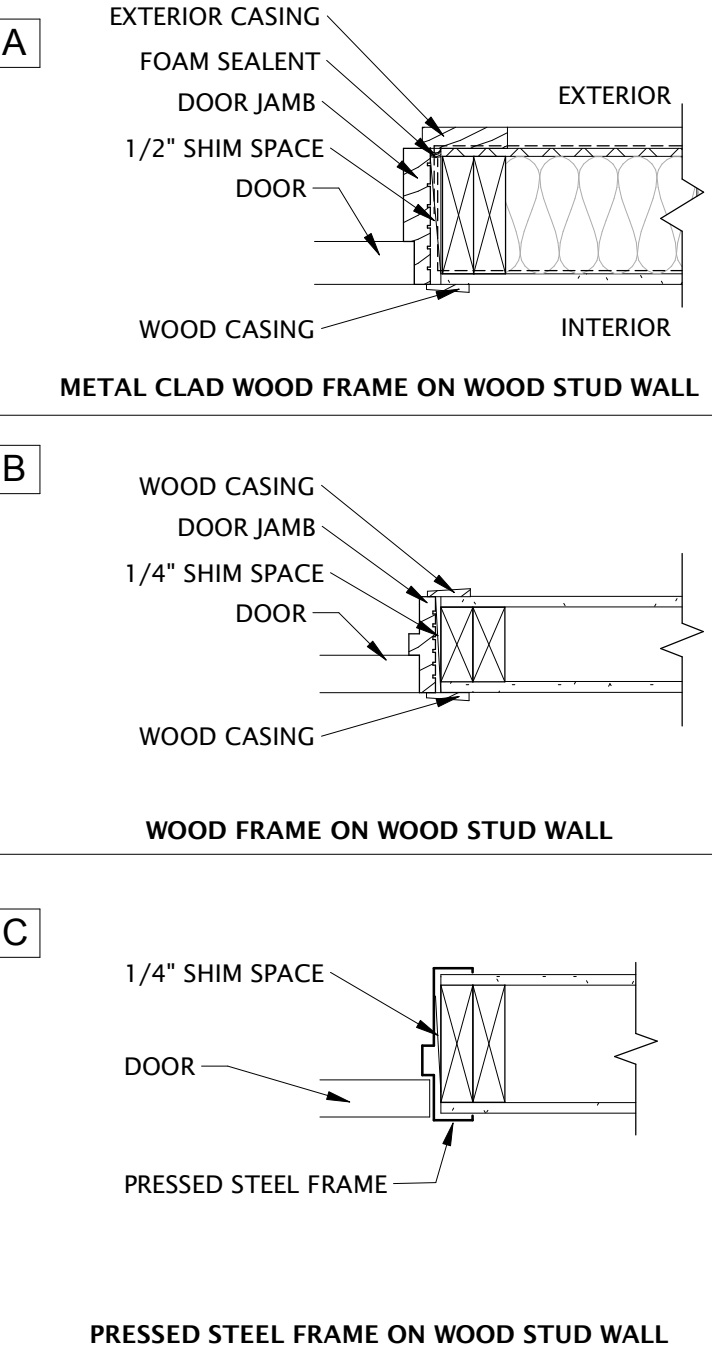
HARDWARE HARDWARE ABBREVIATIONS:

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 (WITH PULL AND KEYED CYLINDER).	S2	WALL MTD. SPRING STOP, WHERE ADJACENT TO BACK WALL
L3	PANIC THUMB LATCH	S3	OVERHEAD DOOR STOP
L4	PRIVACY SET	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	M5 LOCK WITH CYLINDER AND THUMB TURN		

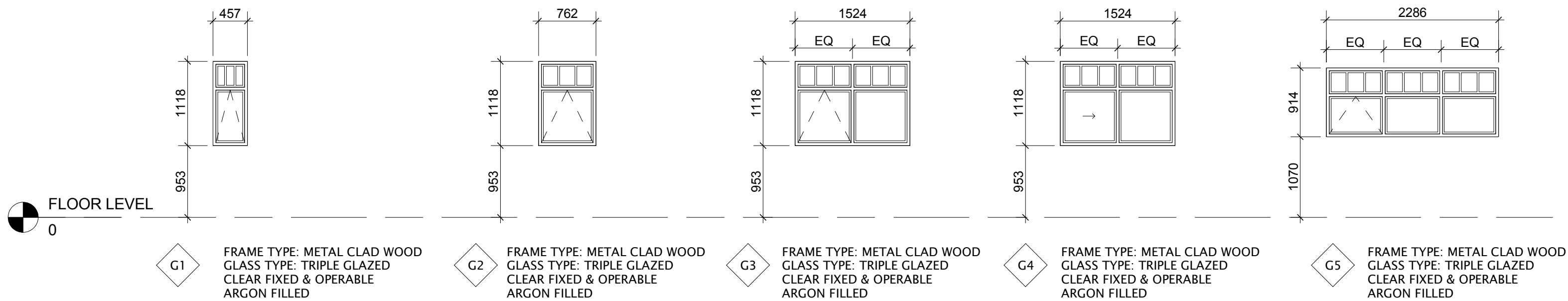
DOOR TYPES



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

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2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

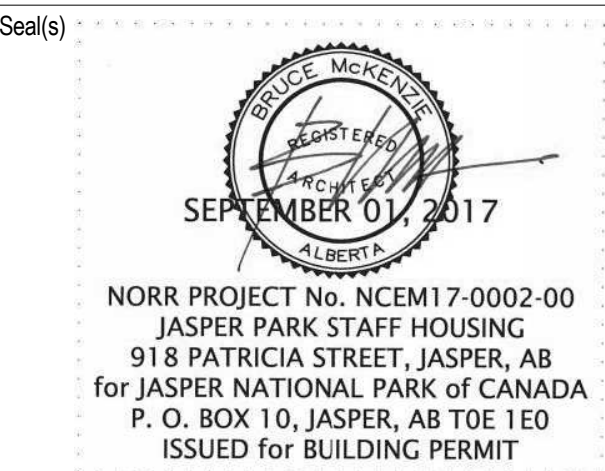
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Project Component

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



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A. David Selinger, Architect, AAA, S.Arch, MABEC
Alicia Tordella, P.Eng., APESCA
Chris Paul, P.Eng., APESCA

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

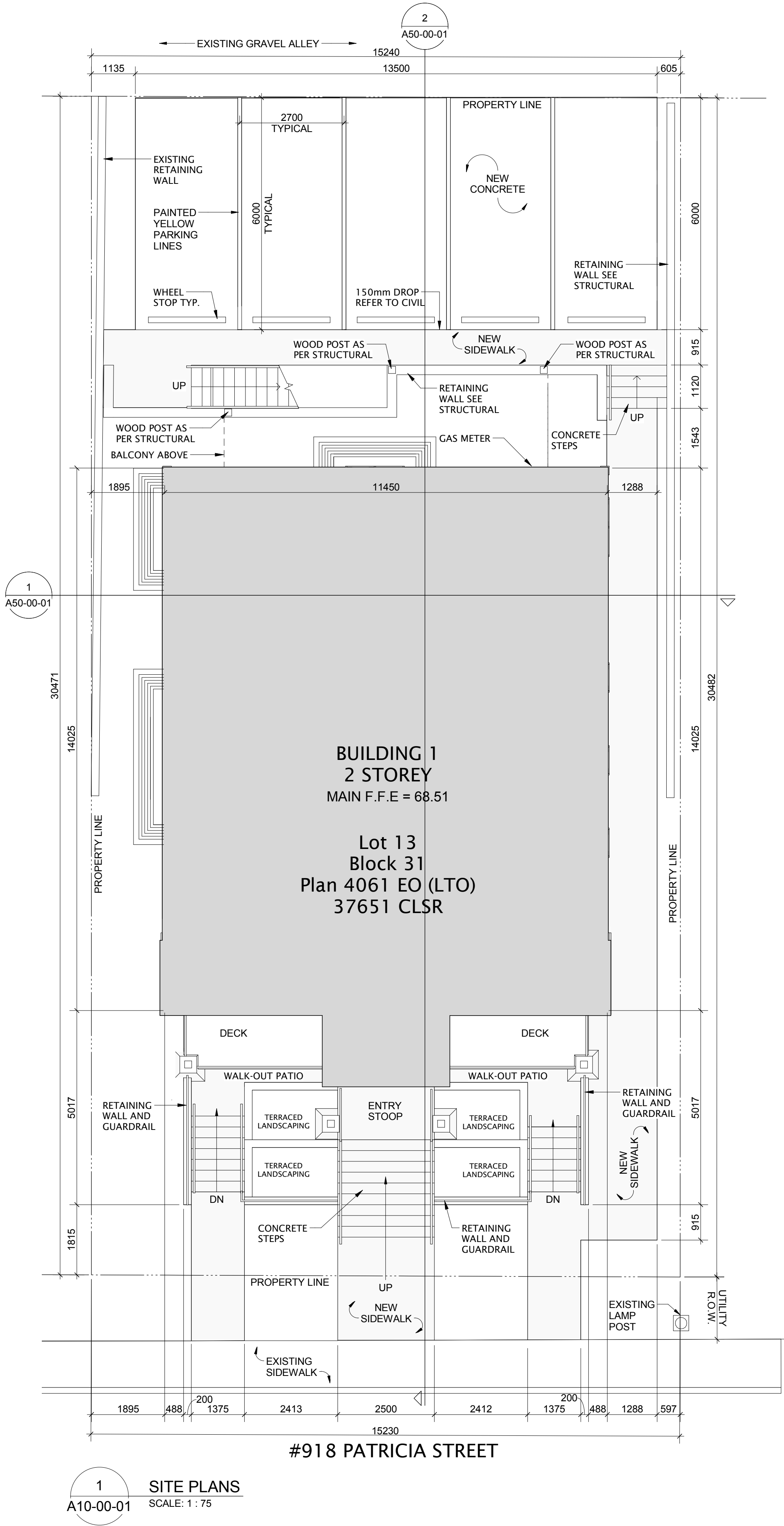
Drawing Title

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
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2017-09-01	BUILDING PERMIT	C

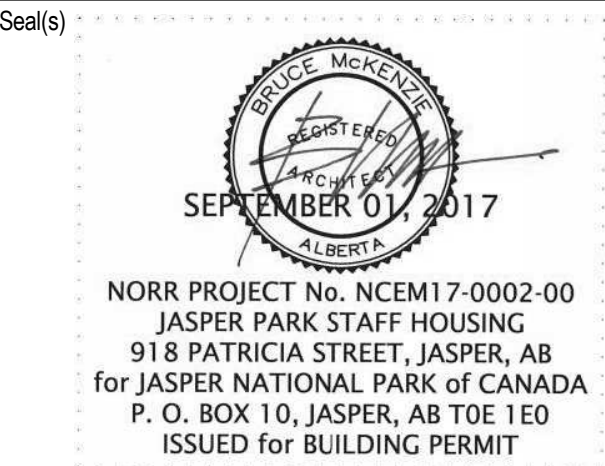
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Arlene Tordella, P.Eng., A.P.E.C.A.
Chris Van Pelt, A.P.E.C.A.

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

PARKS CANADA AGENCY

Jasper National Park, Jasper, AB

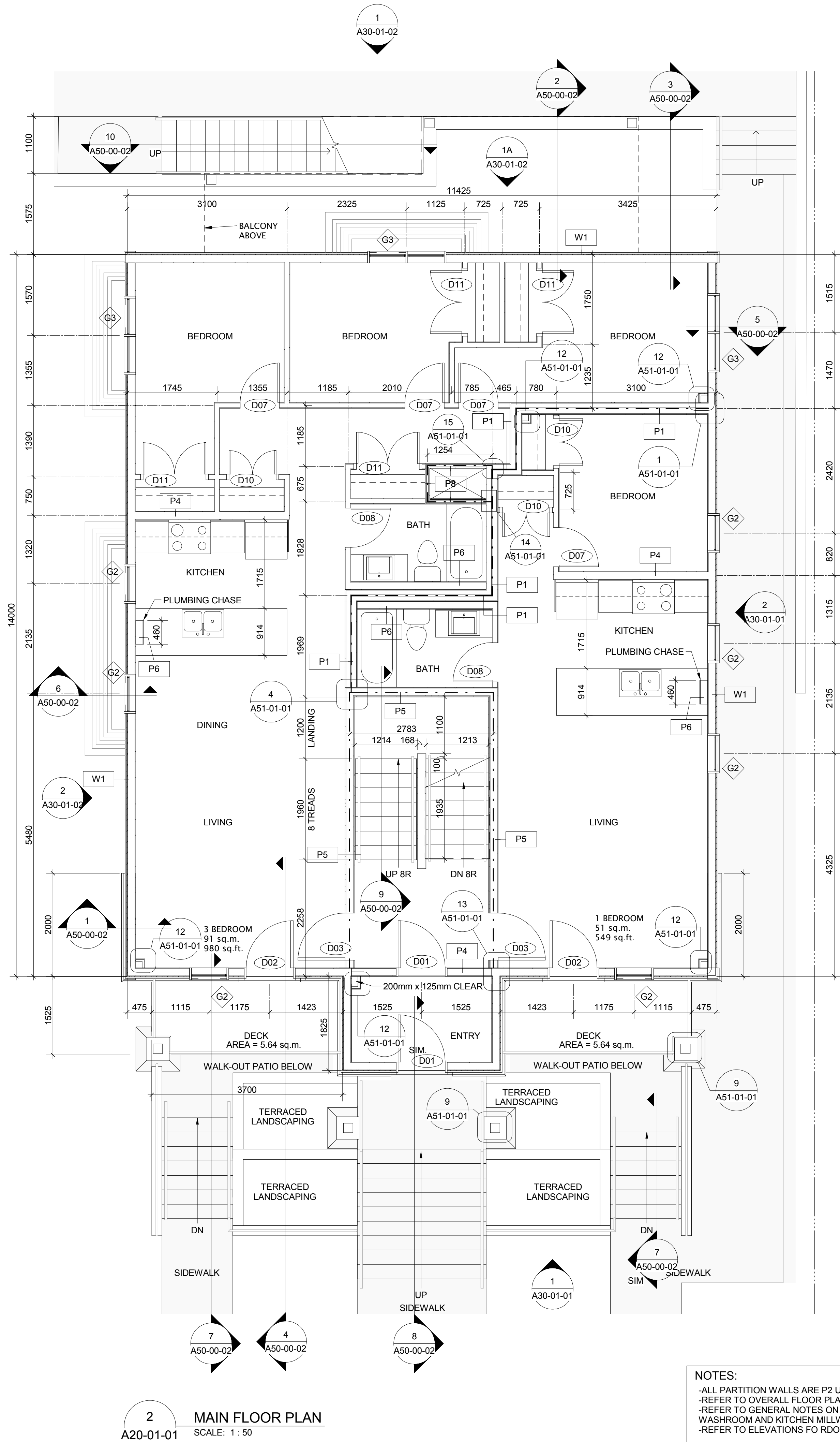
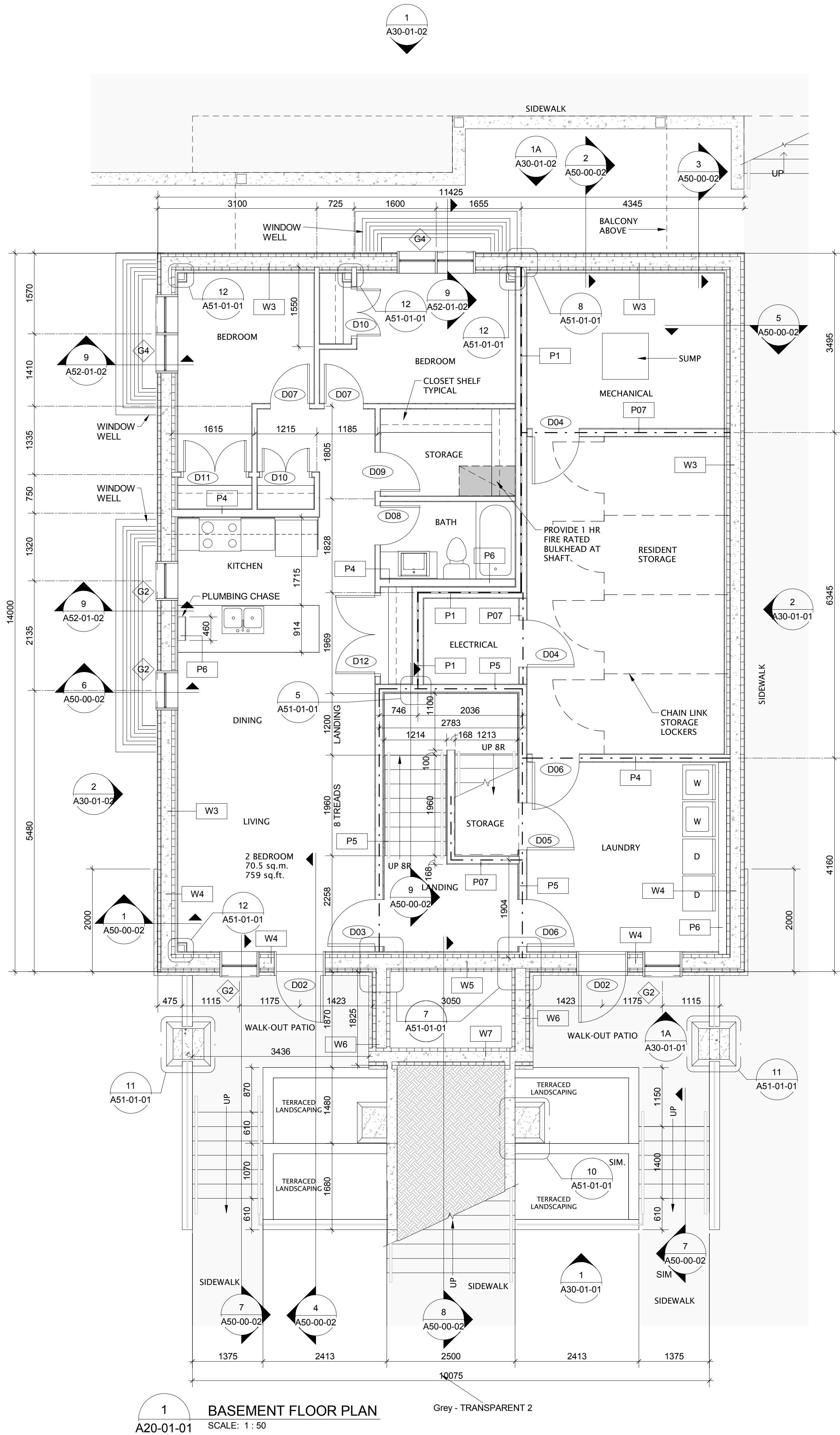
Project
JASPER PARK STAFF
HOUSING
918 Patricia Street
JASPER, AB

Drawing Title
SITE PLANS

Scale

Project No. NCEM17-0002

Drawing No. A10-00-01



NOTES:
-ALL PARTITION WALLS ARE P2 UNLESS NOTED OTHERWISE
-REFER TO OVERALL FLOOR PLANS FOR ROOF INFORMATION
-REFER TO GENERAL NOTES ON A00-01-01 REGARDING
WASHROOM AND KITCHEN MILLWORK
-REFER TO ELEVATIONS FOR DOWNSPOUT LOCATIONS

ALL WASHROOMS TO INCLUDE:
-SURFACE MOUNT TOILET PAPER HOLDER
-TOWEL BAR
-SHOWER ROD
-MIRROR CENTERED AT VANITY
-MEDICINE CABINET

LEGEND:
ATTIC ACCESS HATCH ABOVE
REFER TO DETAIL
BULKHEAD ABOVE

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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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Asian Todor, P.Eng., P.E.C.E.
Chris Pao, P.Eng., P.E.C.E.

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**

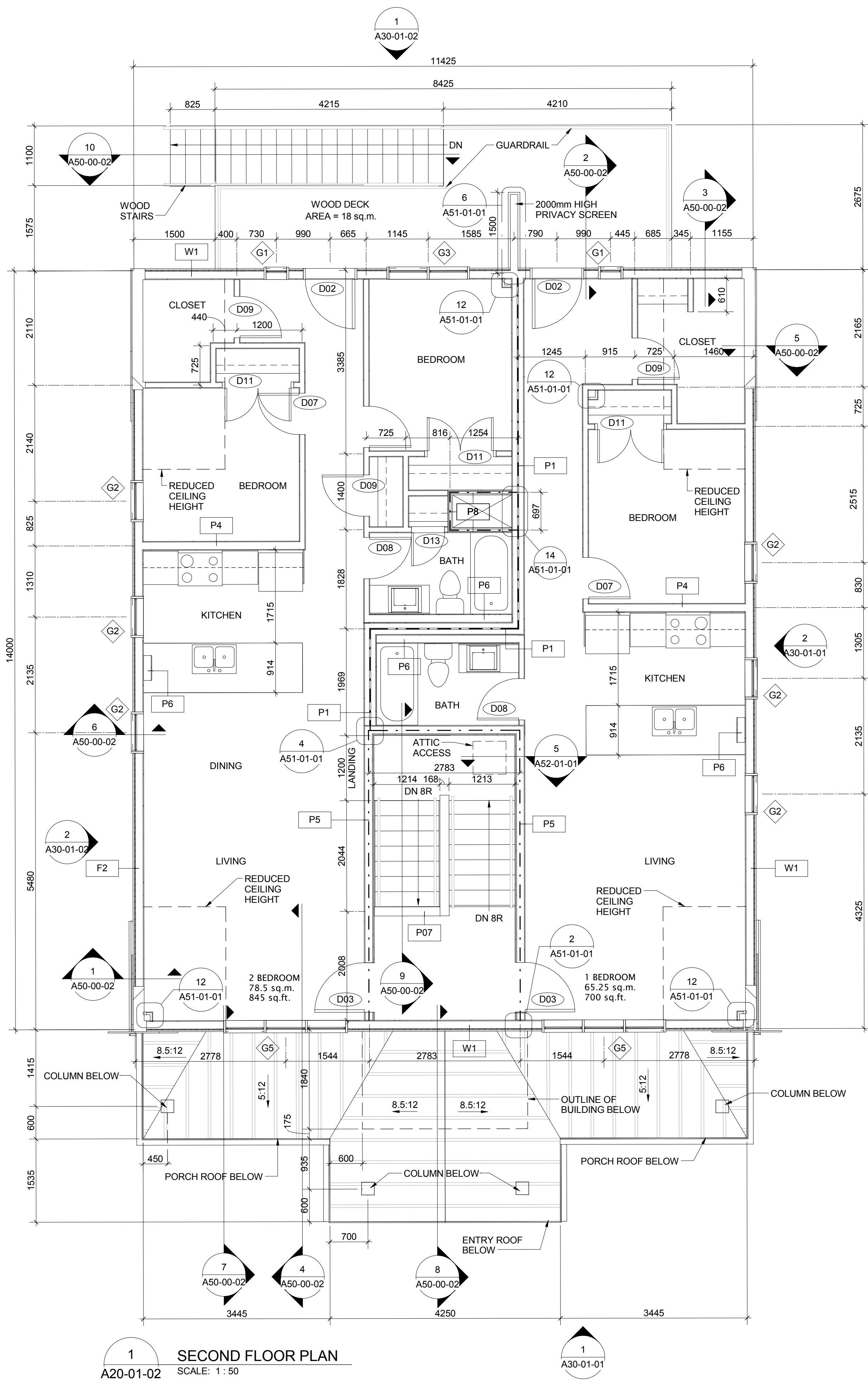
918 Patricia Street
JASPER, AB

Drawing Title
**BASEMENT & MAIN FLOOR
PLANS**

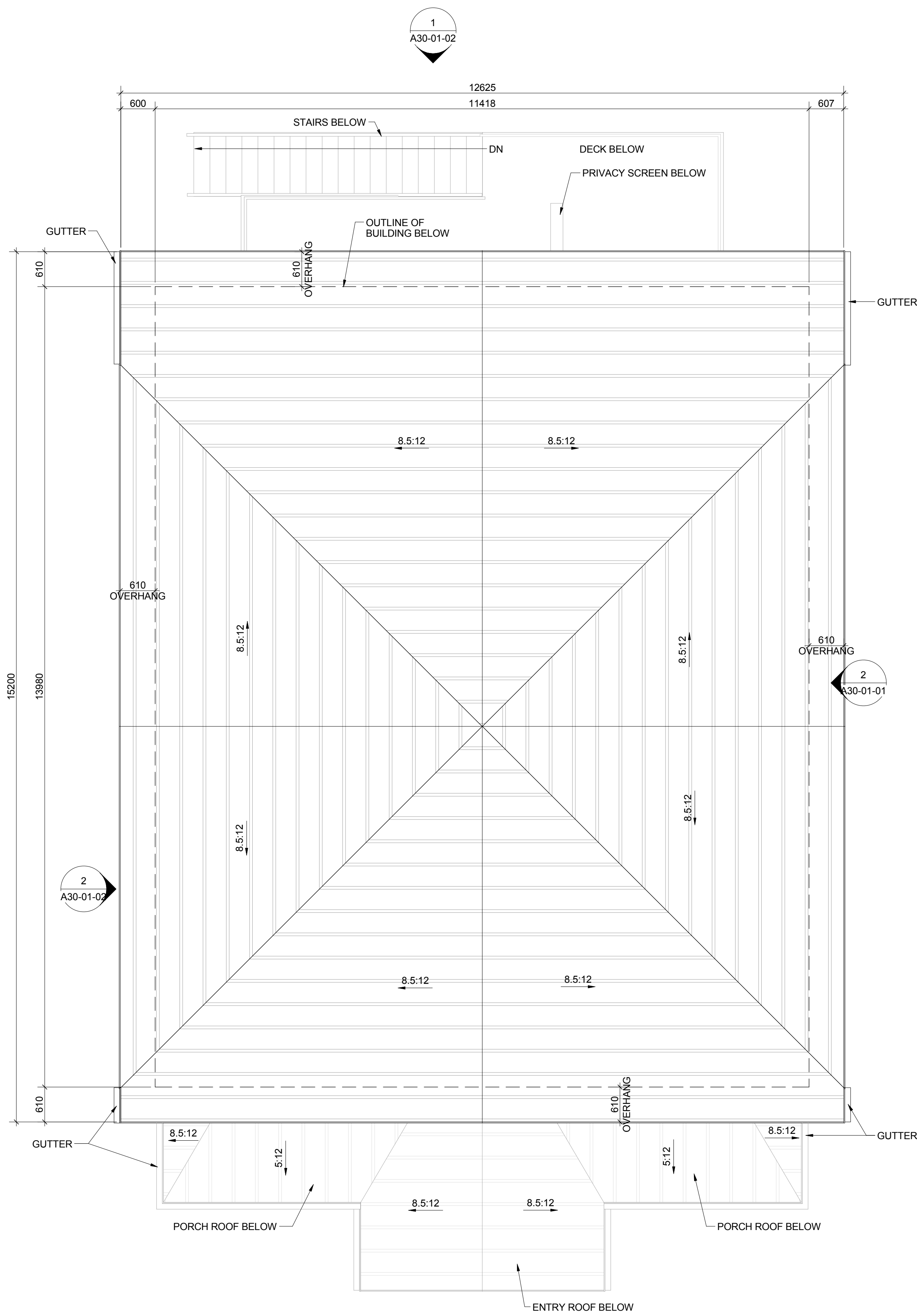
Scale

Project No. NCEM17-0002

Drawing No. A20-01-01



1 SECOND FLOOR PLAN
A20-01-02
SCALE: 1 : 50



2 ROOF PLAN
A20-01-02
SCALE: 1 : 50

NOTES:

- ALL PARTITION WALLS ARE P2 UNLESS NOTED OTHERWISE
- REFER TO OVERALL FLOOR PLANS FOR ROOF INFORMATION
- REFER TO GENERAL NOTES ON A00-01-01 REGARDING WASHROOM AND KITCHEN MILLWORK
- REFER TO ELEVATIONS FOR DOWNSPOUT LOCATIONS

ALL WASHROOMS TO INCLUDE:

- SURFACE MOUNT TOILET PAPER HOLDER
- TOWEL BAR
- SHOWER ROD
- MIRROR CENTERED AT VANITY
- MEDICINE CABINET

LEGEND:

- ATTIC ACCESS HATCH ABOVE
REFER TO DETAIL
- BULKHEAD ABOVE

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	McHanney 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

NORR
ARCHITECTS ENGINEERS PLANNERS
An Ingenium Group Company

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Brent MacKenzie, Architect, AIA, S.Arch, M.A.S.C.
A. David Selinger/Architect, AIA, S.Arch, M.A.S.C.
Arlene Tordella, 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 TB
Project Leader TB	Checked AZ

PARKS CANADA AGENCY

Jasper National Park, Jasper, AB

Project

JASPER PARK STAFF HOUSING

918 Patricia Street
JASPER, AB

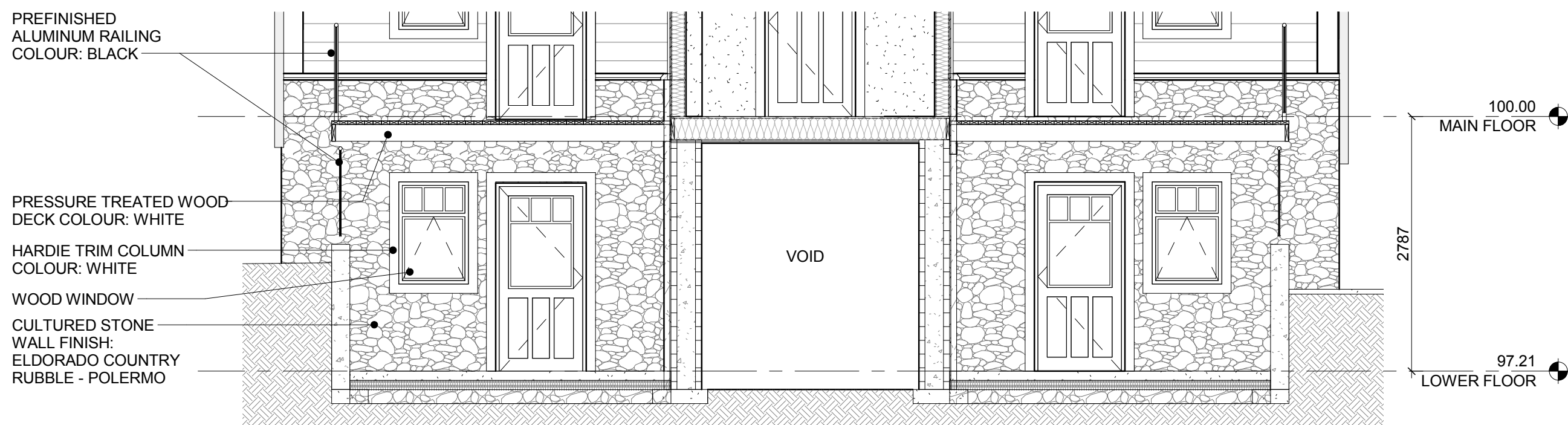
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SECOND FLOOR AND ROOF PLANS

Scale

Project No. NCEM17-0002

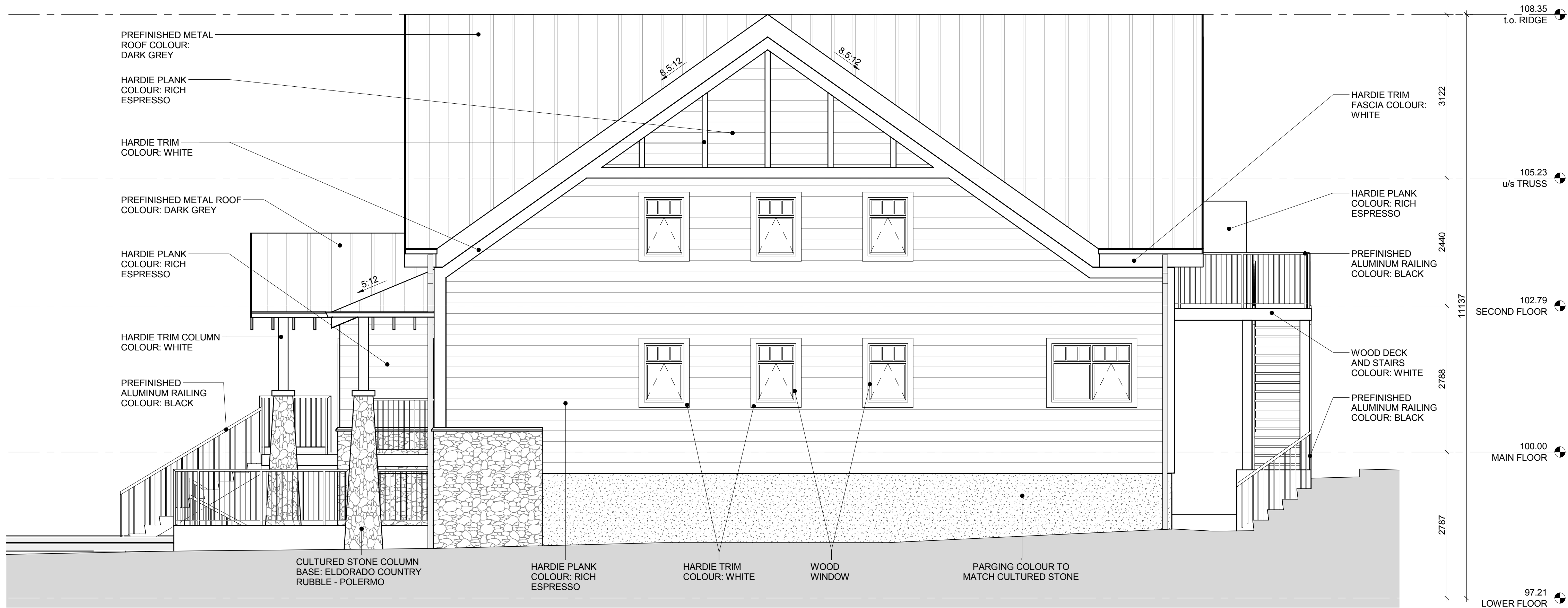
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1A PARTIAL SOUTH ELEVATION
A30-01-01 SCALE: 1 : 50



1 SOUTH ELEVATION
A30-01-01 SCALE: 1 : 50



2 EAST ELEVATION
A30-01-01 SCALE: 1 : 50

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2017-09-01	BUILDING PERMIT	C

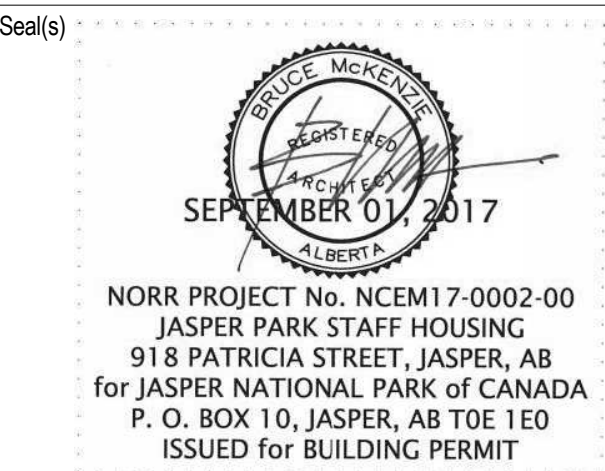
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Chris Paul, P.Eng., A.P.E.C.A.

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
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

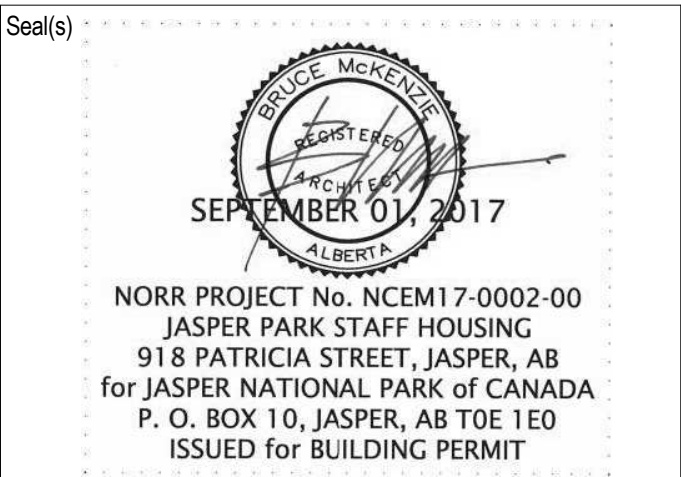
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A. David Salsbery, Architect, AIA, S.Arch, MABEC
Alicia Tisdale, P.Eng., APEGA
Chris Van Pelt, APEGA

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

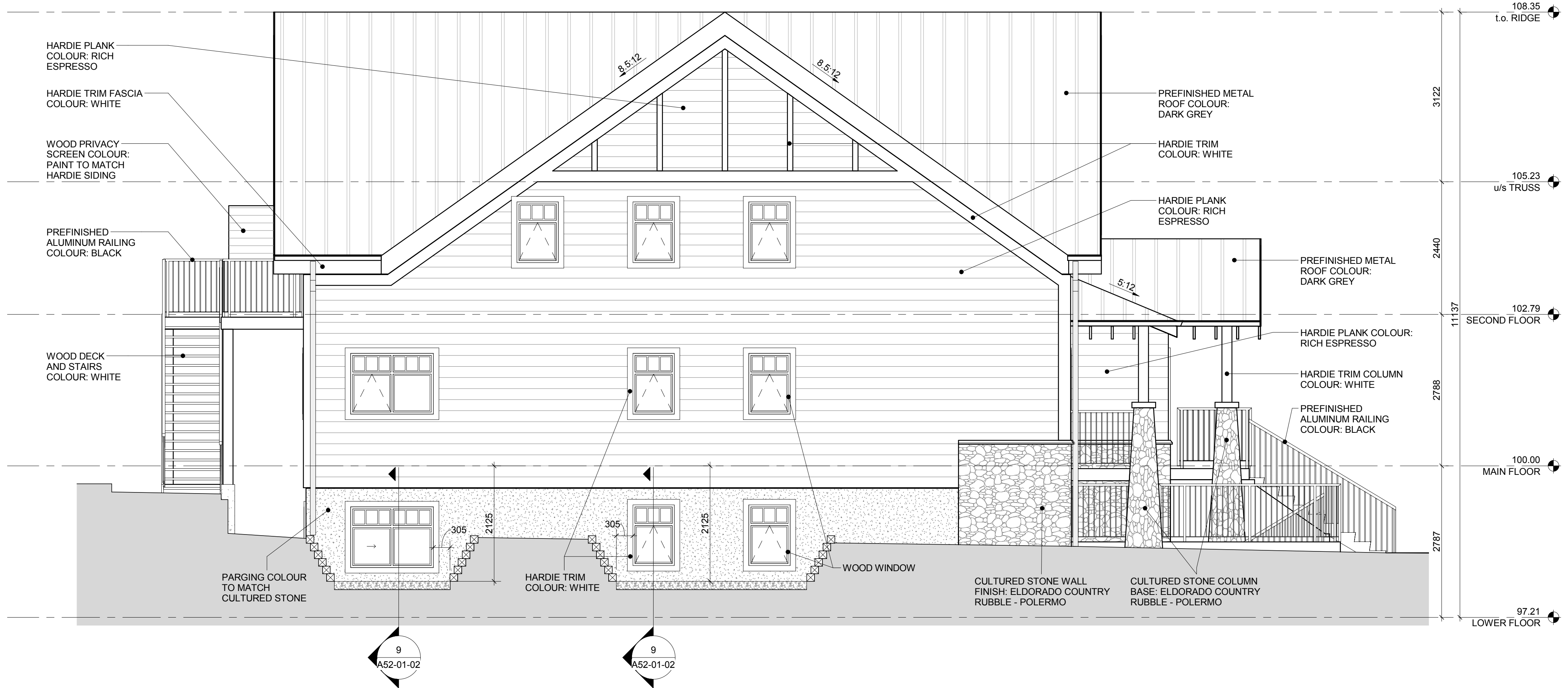
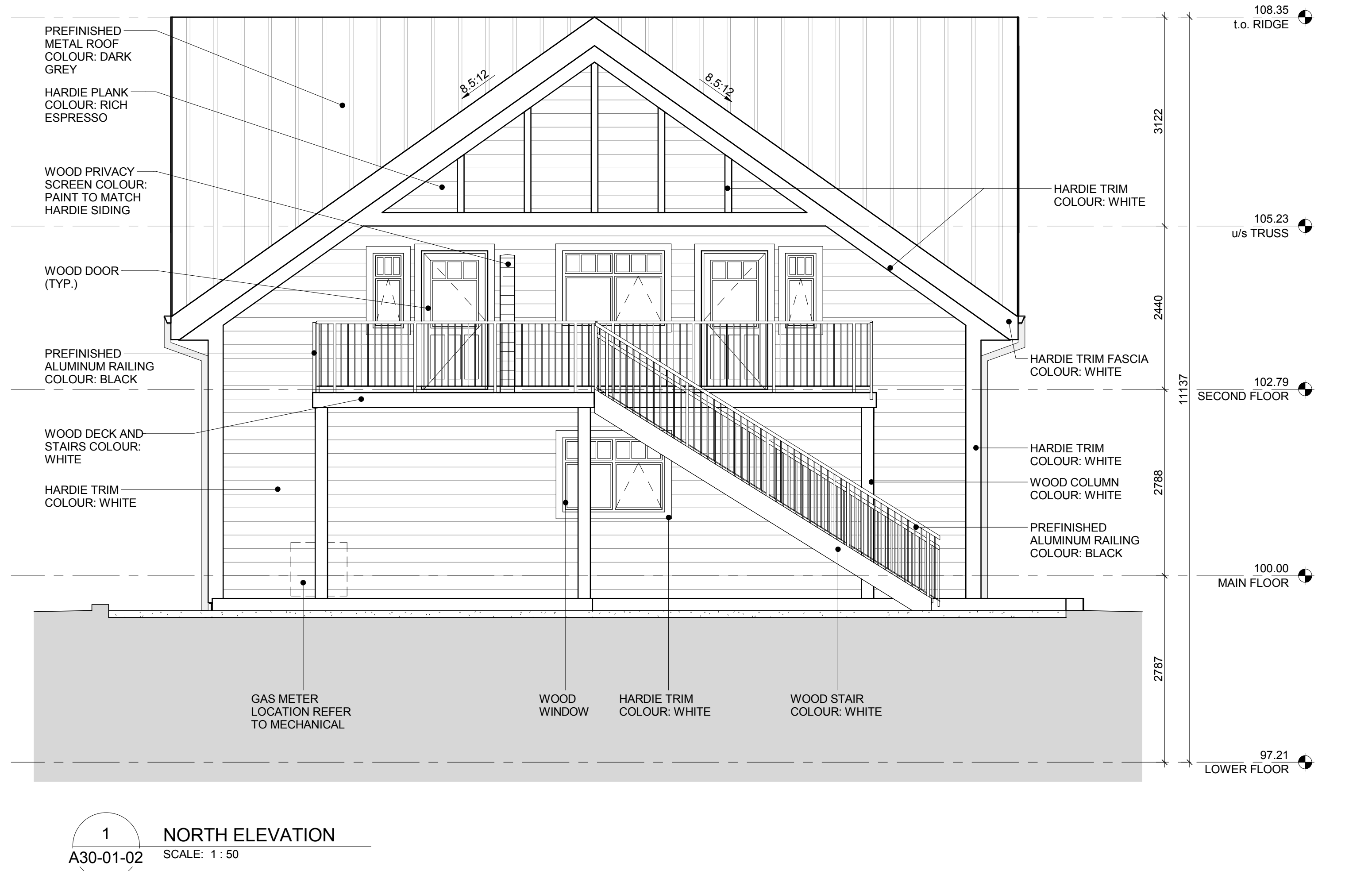
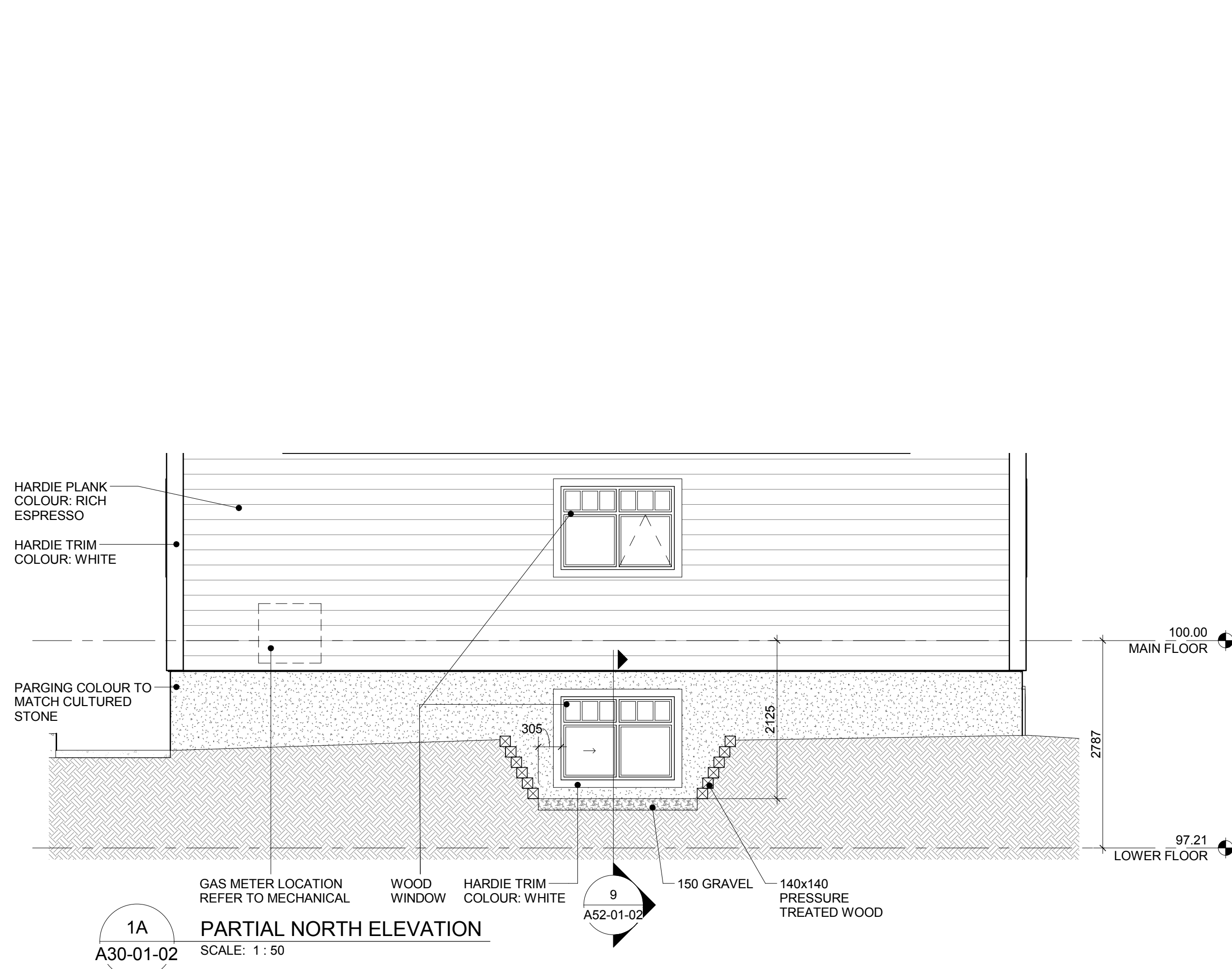
JASPER PARK STAFF HOUSING

918 Patricia Street
JASPER, AB

Drawing Title

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

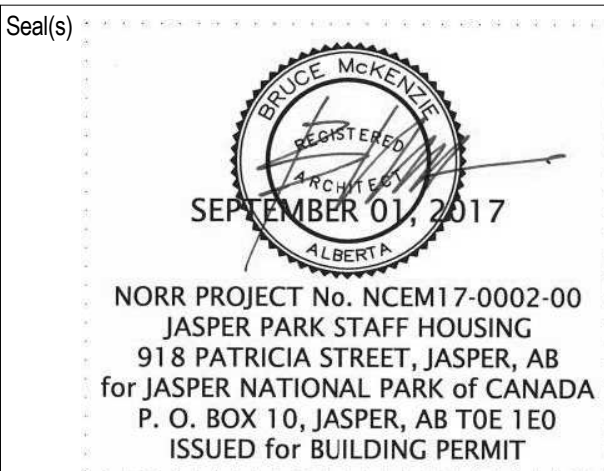
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Project Manager CO	BIM Lead TB
Design Lead JD	Drawn Author
Project Leader TB	Checked Checker

PARKS CANADA AGENCY

Jasper National Park, Jasper, AB

Project
**JASPER PARK STAFF
HOUSING**

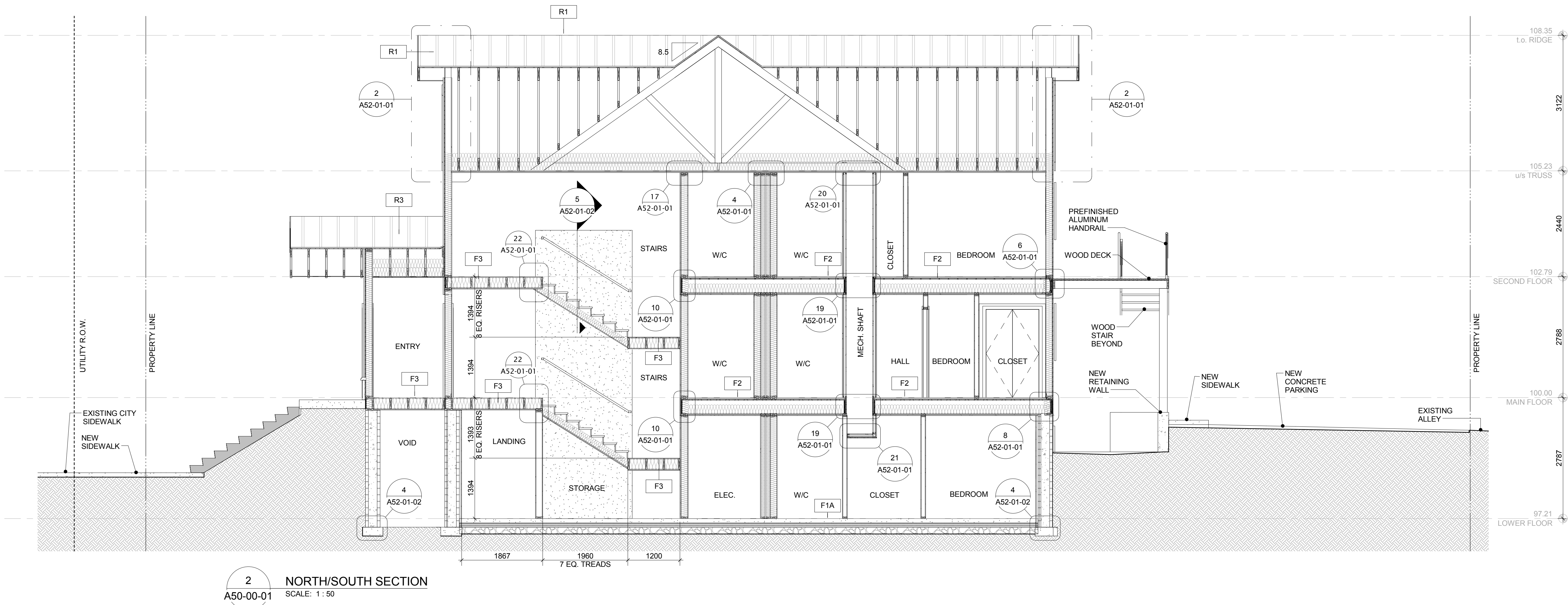
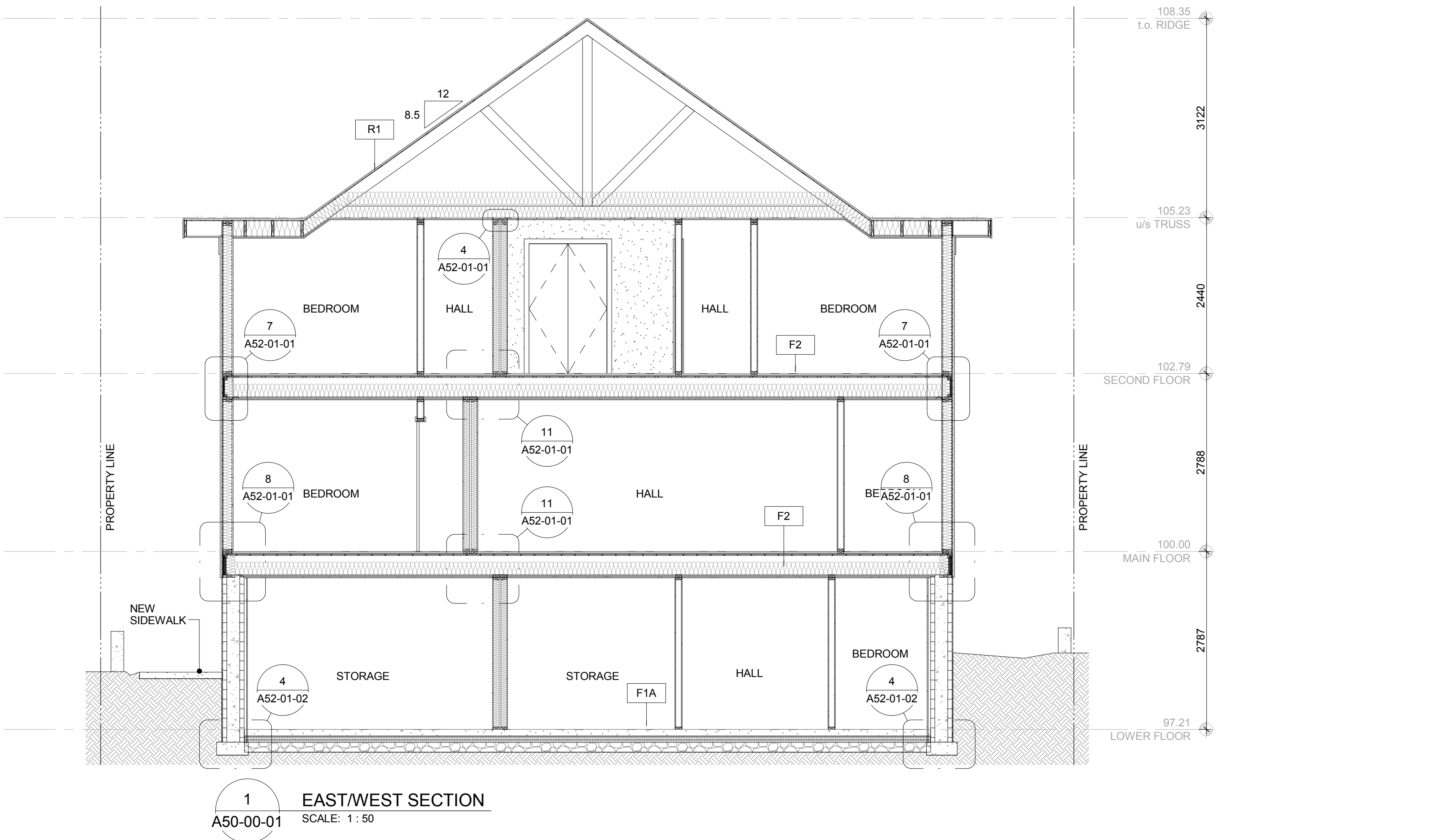
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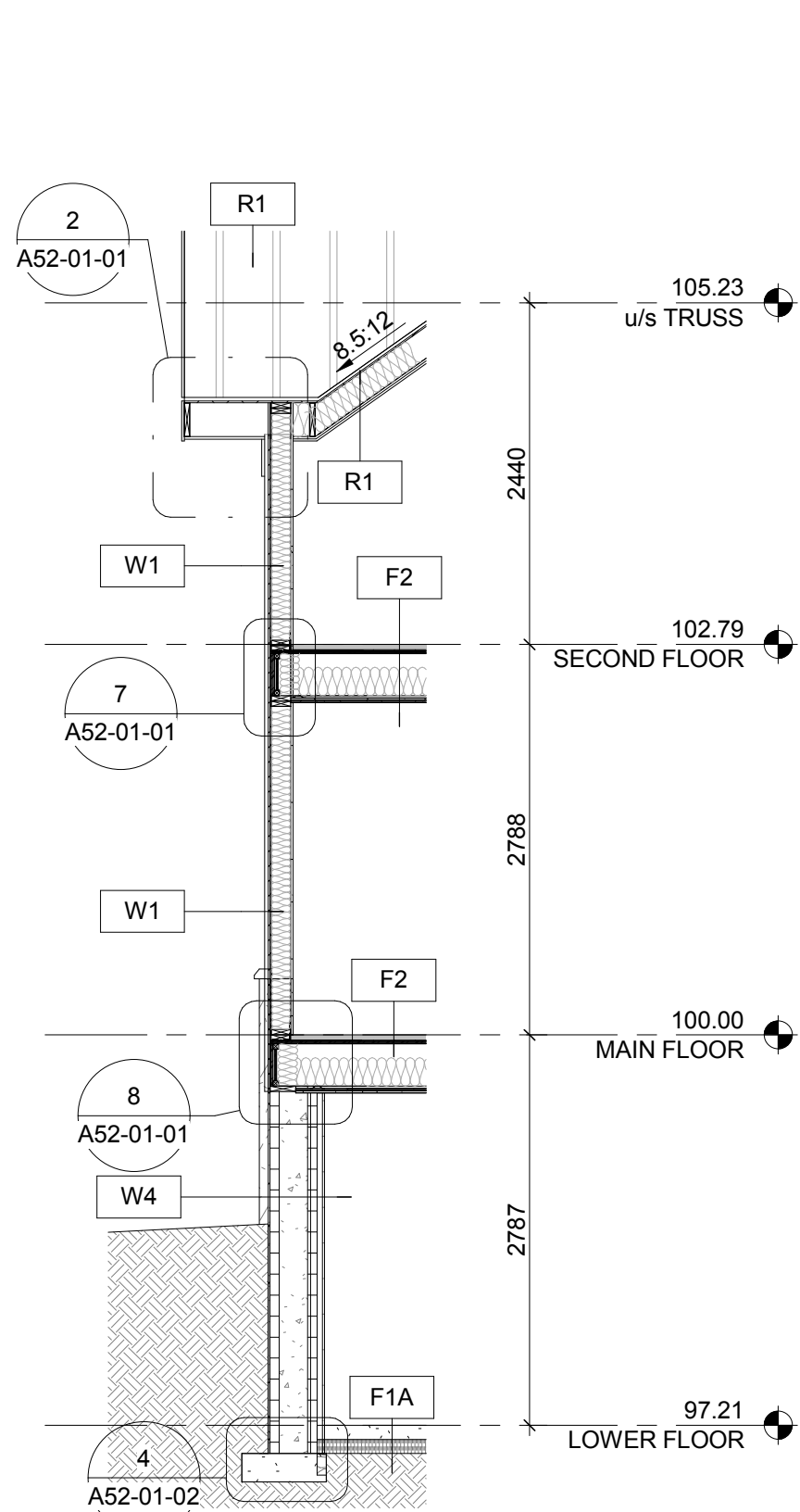
Drawing Title
BUILDING SECTIONS

Scale

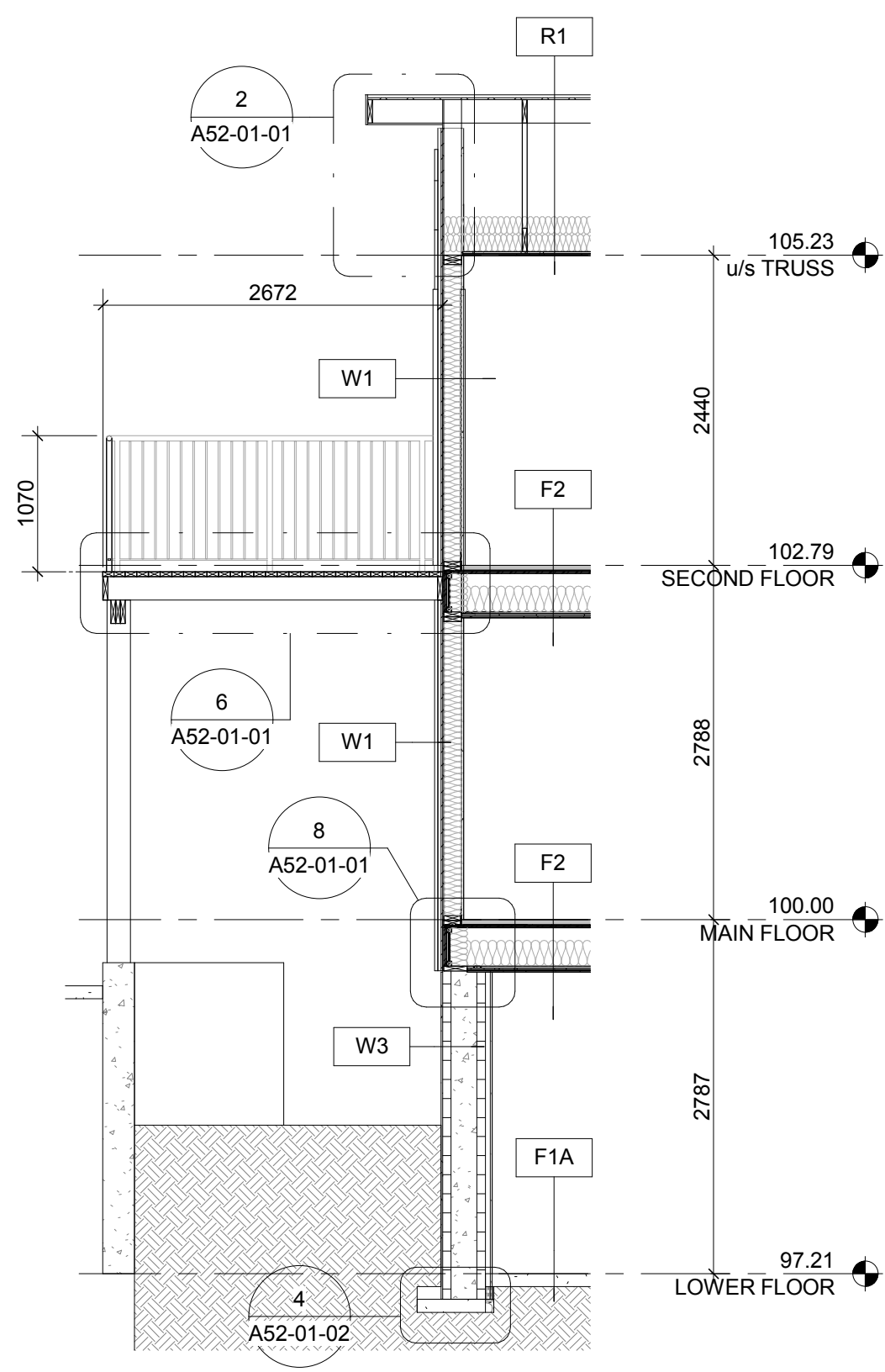
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Drawing No. **A50-00-01**

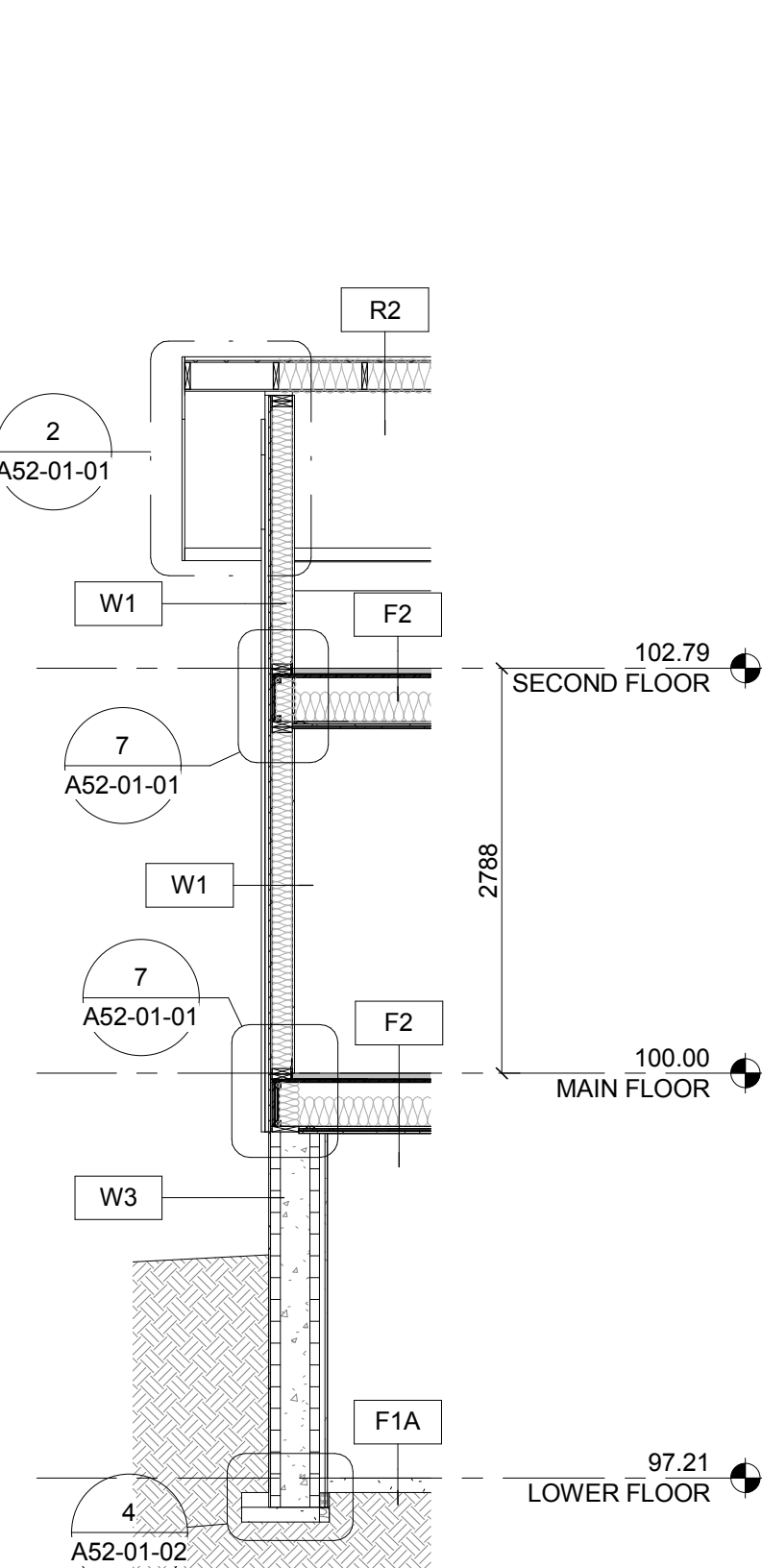




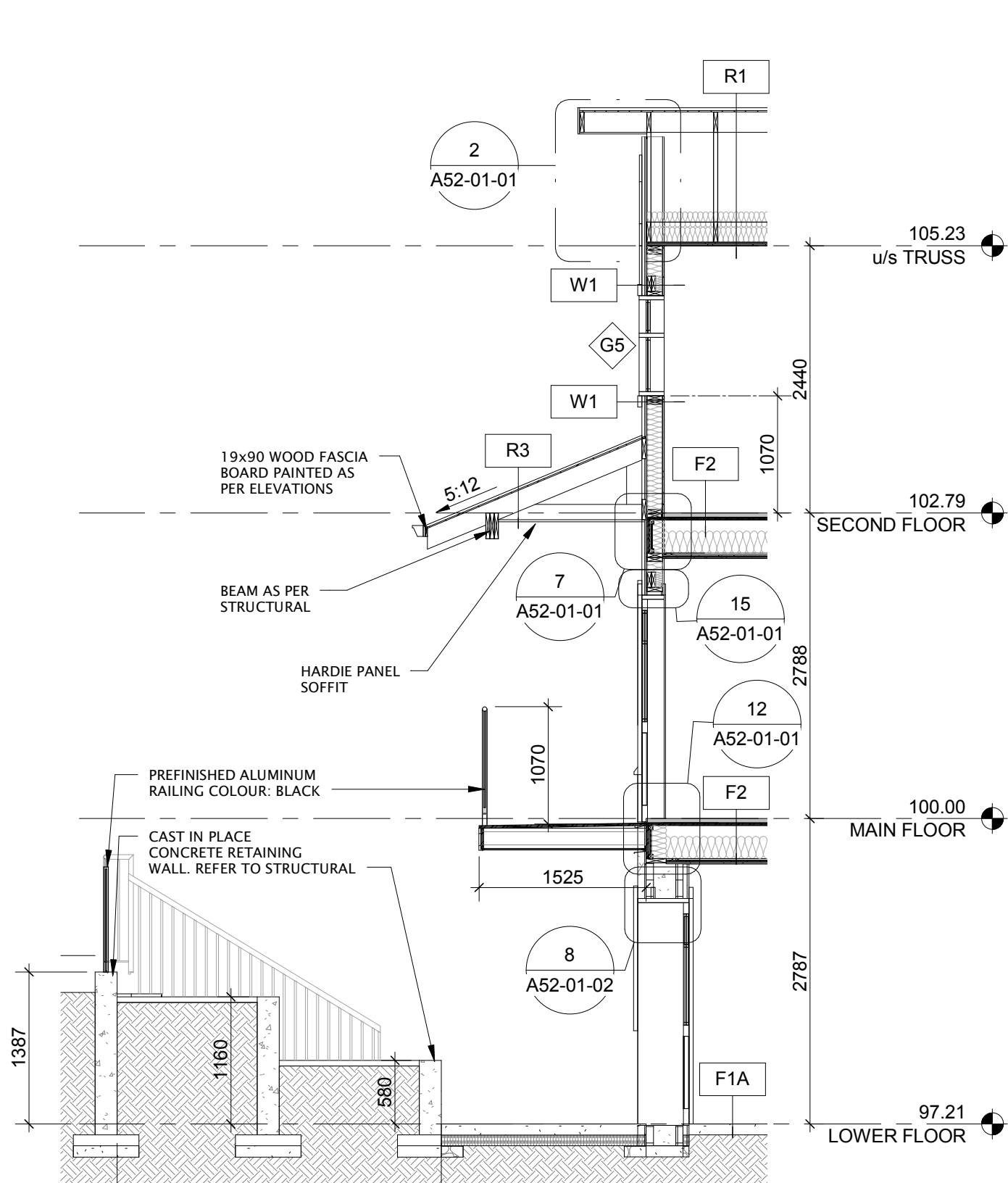
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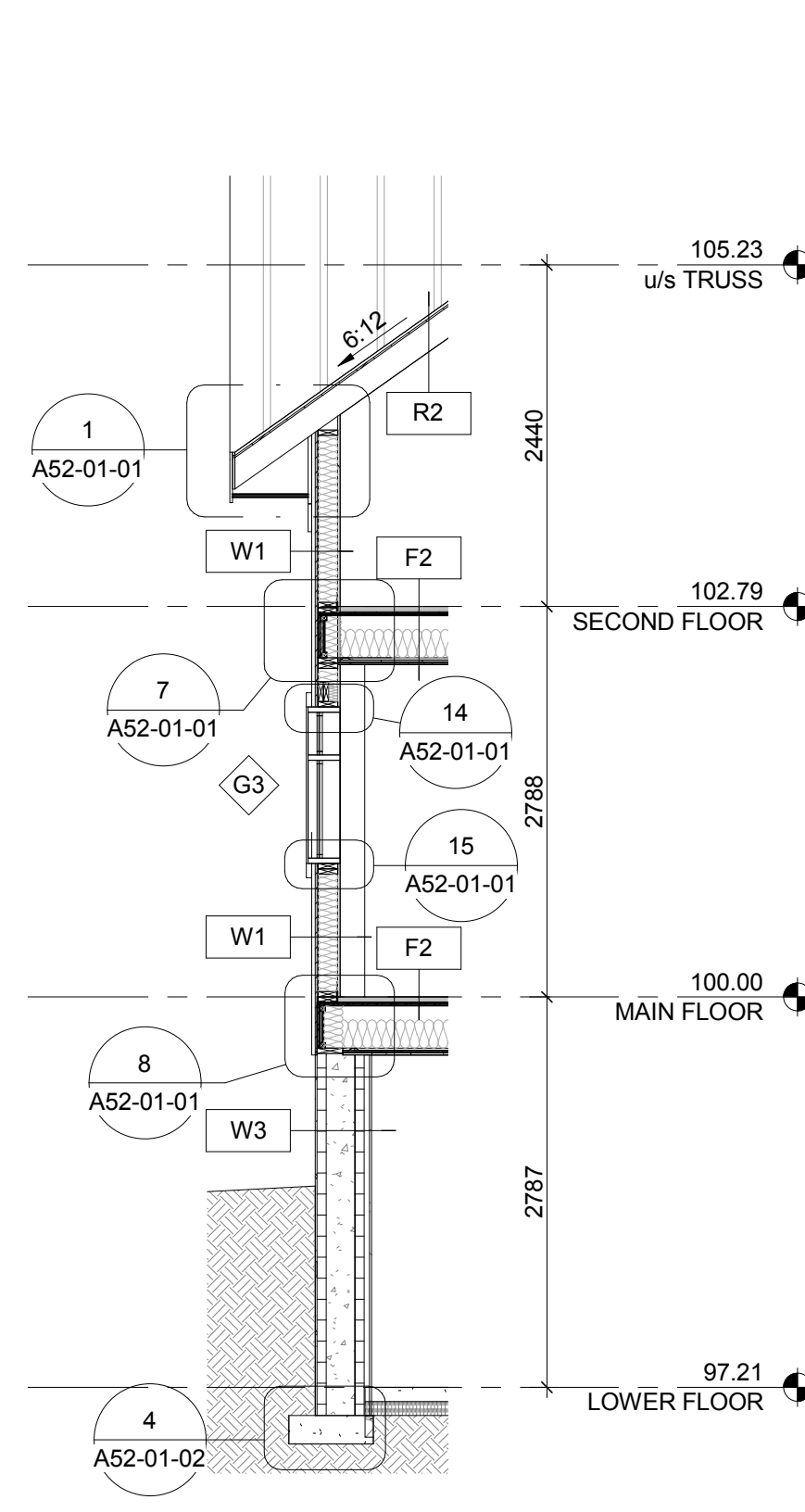
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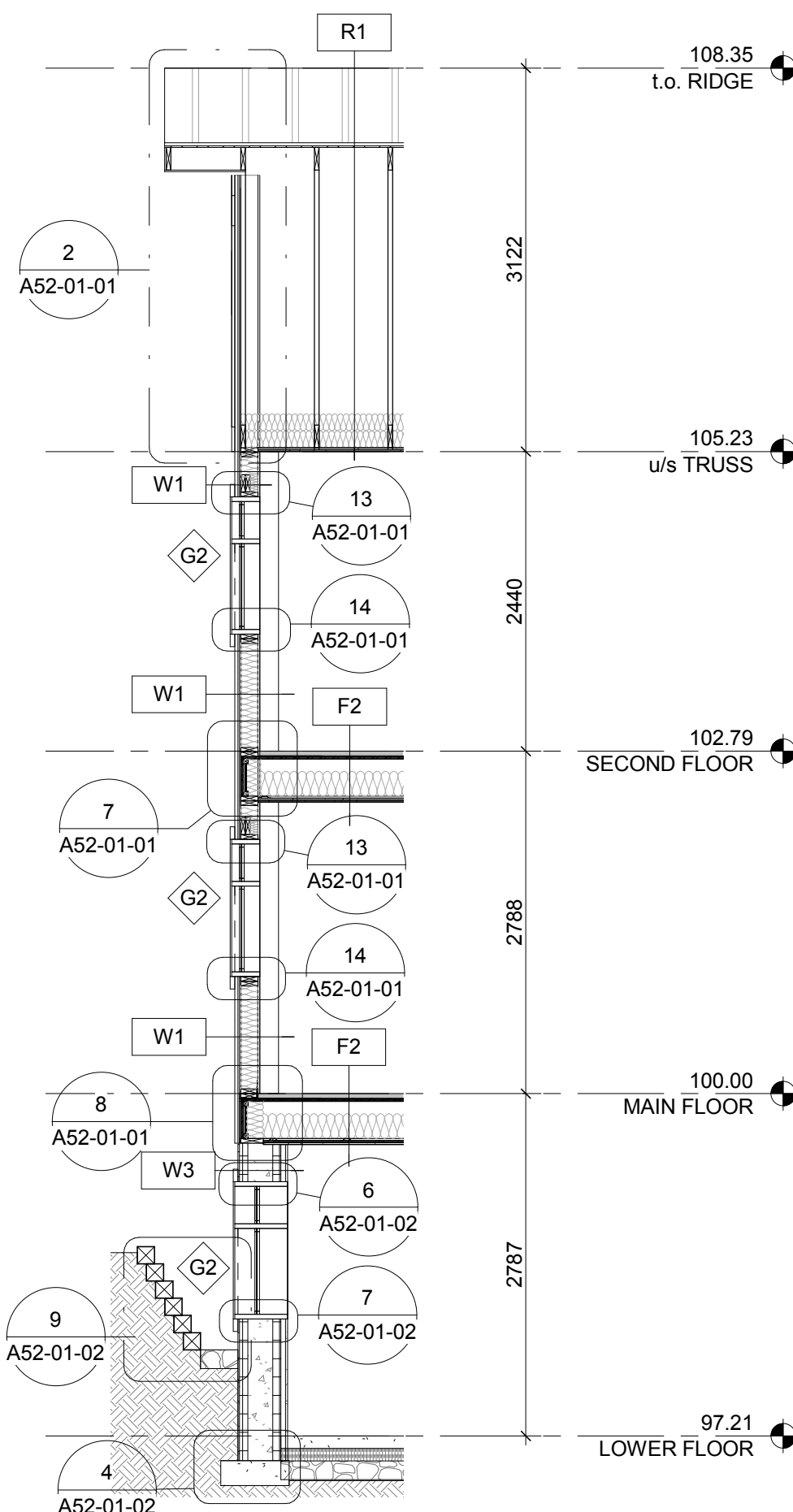
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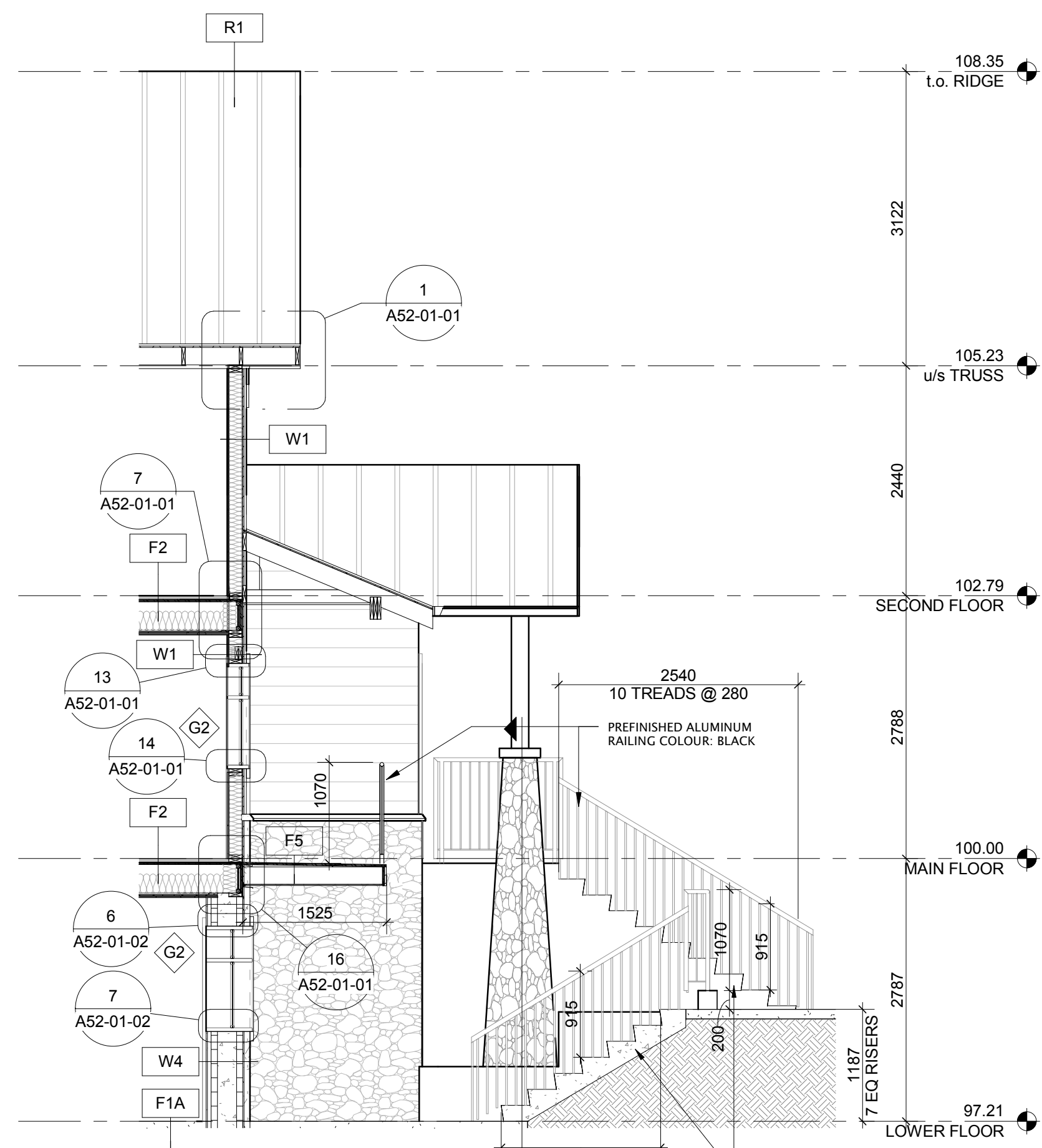
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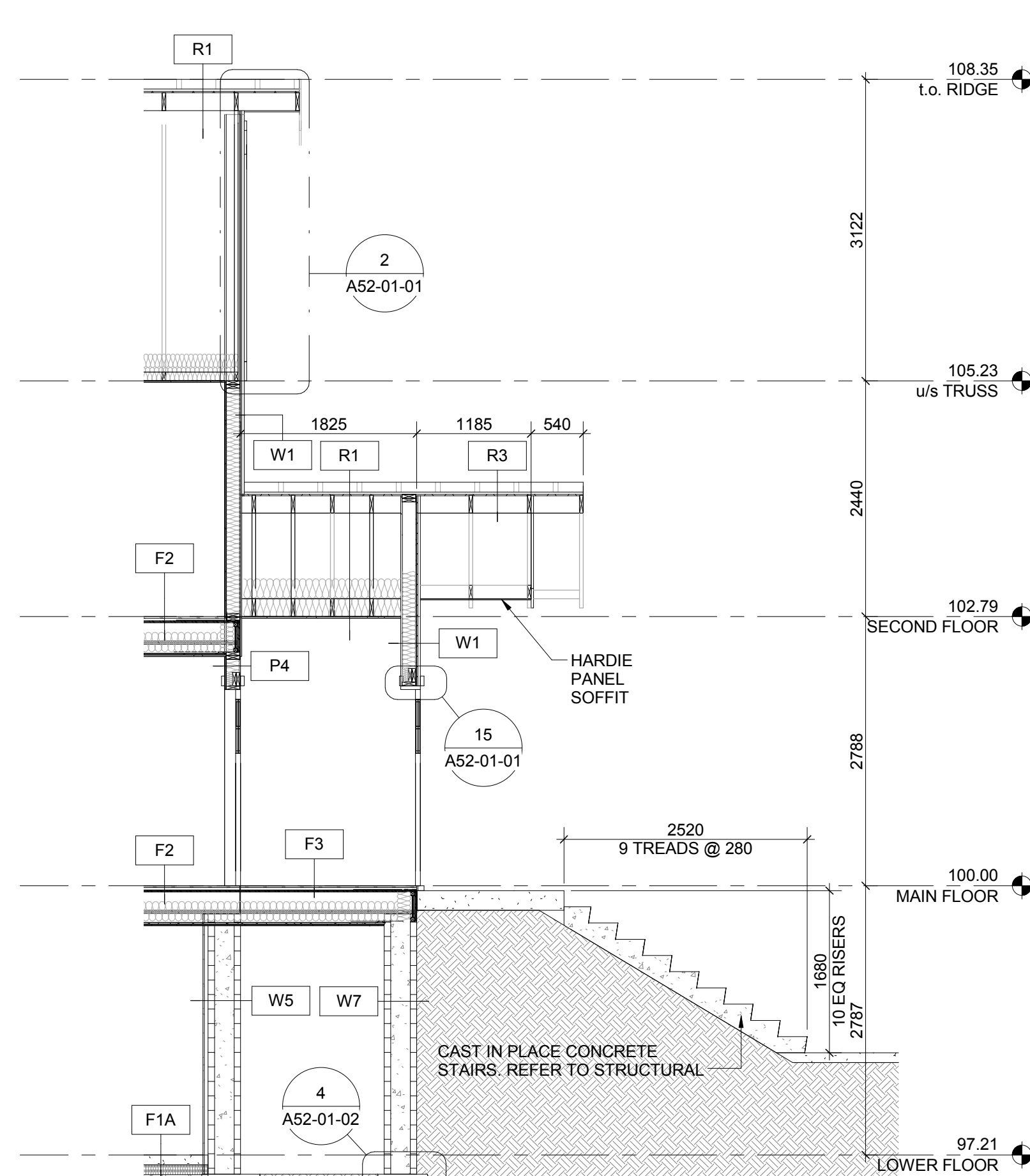
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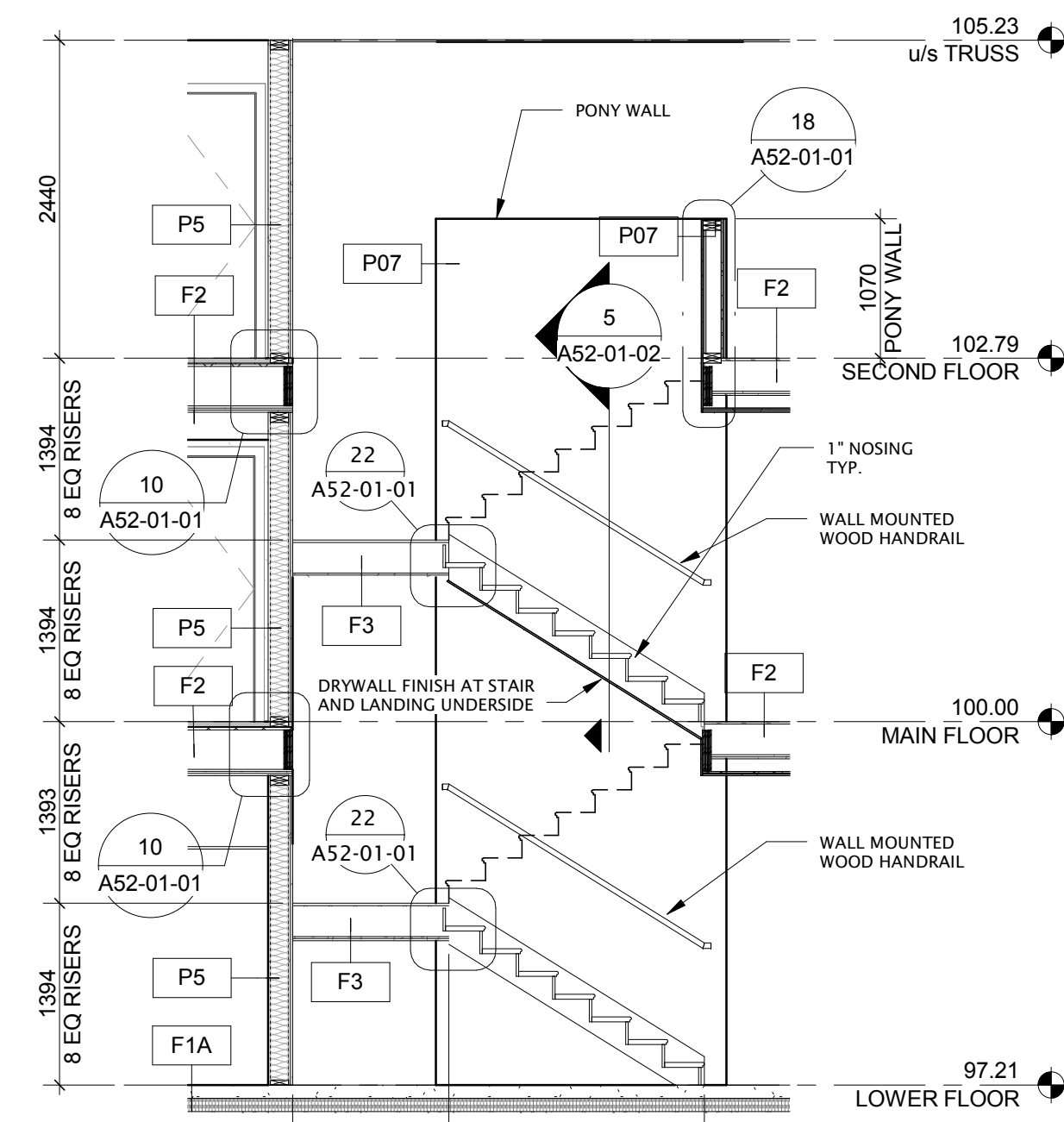
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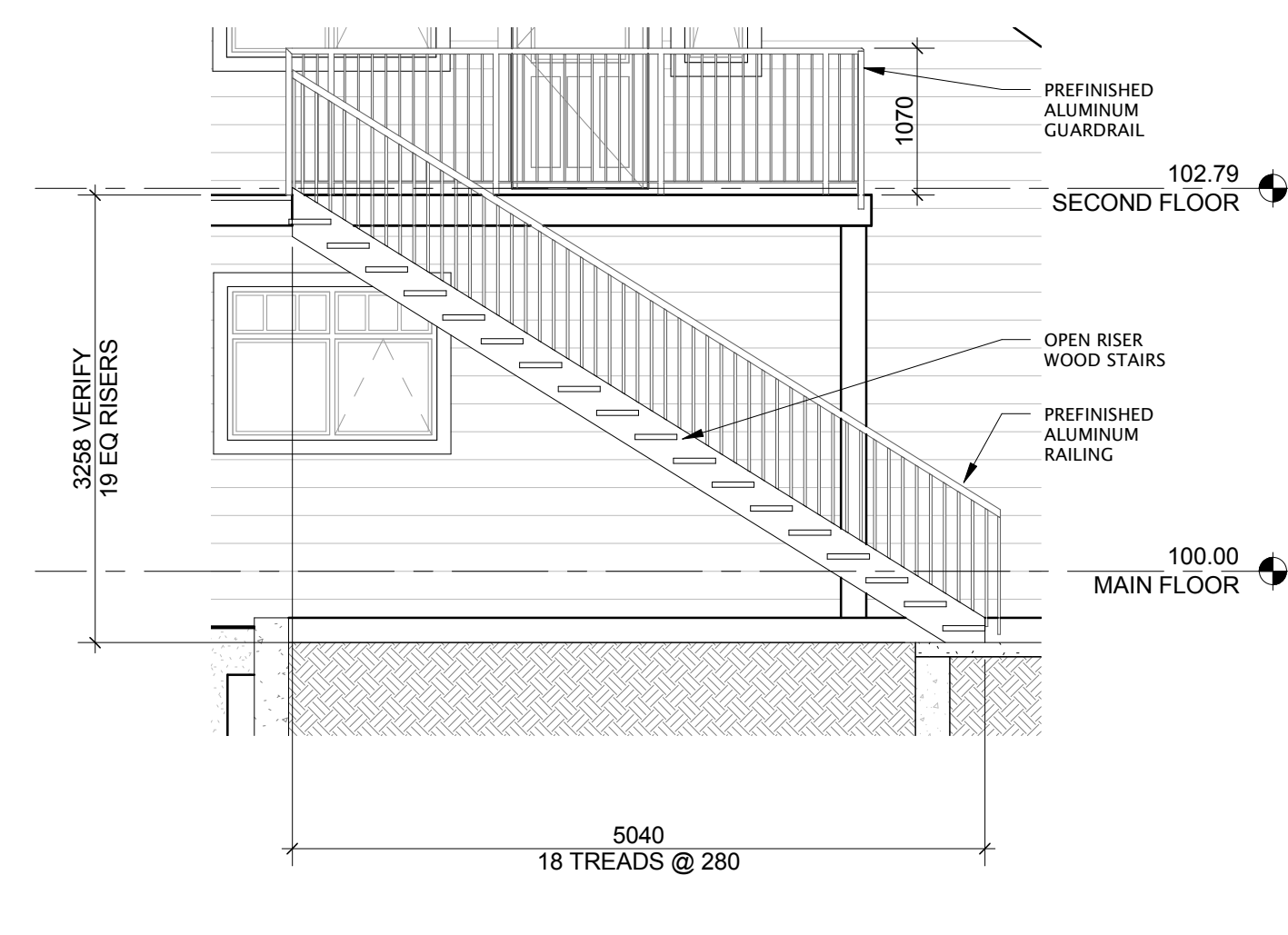
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A50-00-02 SCALE: 1:50



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



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



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

DATE	ISSUED FOR	REV
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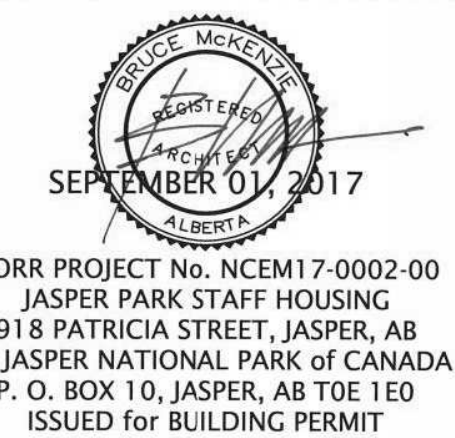
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Seal(s)



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

Project Manager
CO
Design Lead
JD
Project Leader
TB

BIM Lead
TB
Drawn
AZ
Checked
AZ

PARKS CANADA AGENCY

Jasper National Park, Jasper, AB

Project
**JASPER PARK STAFF
HOUSING**

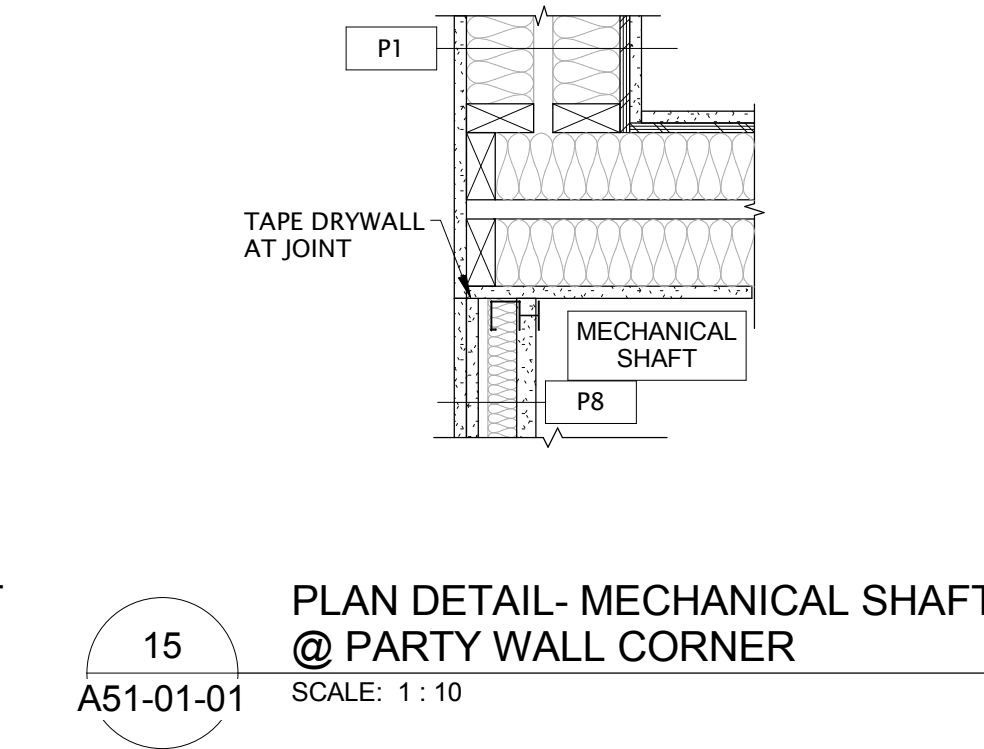
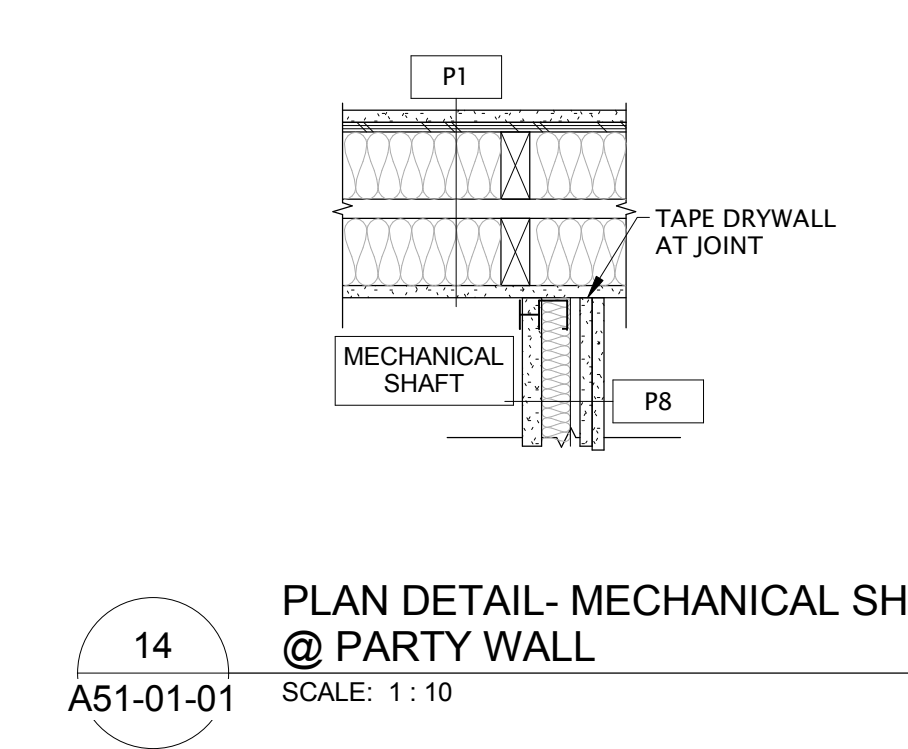
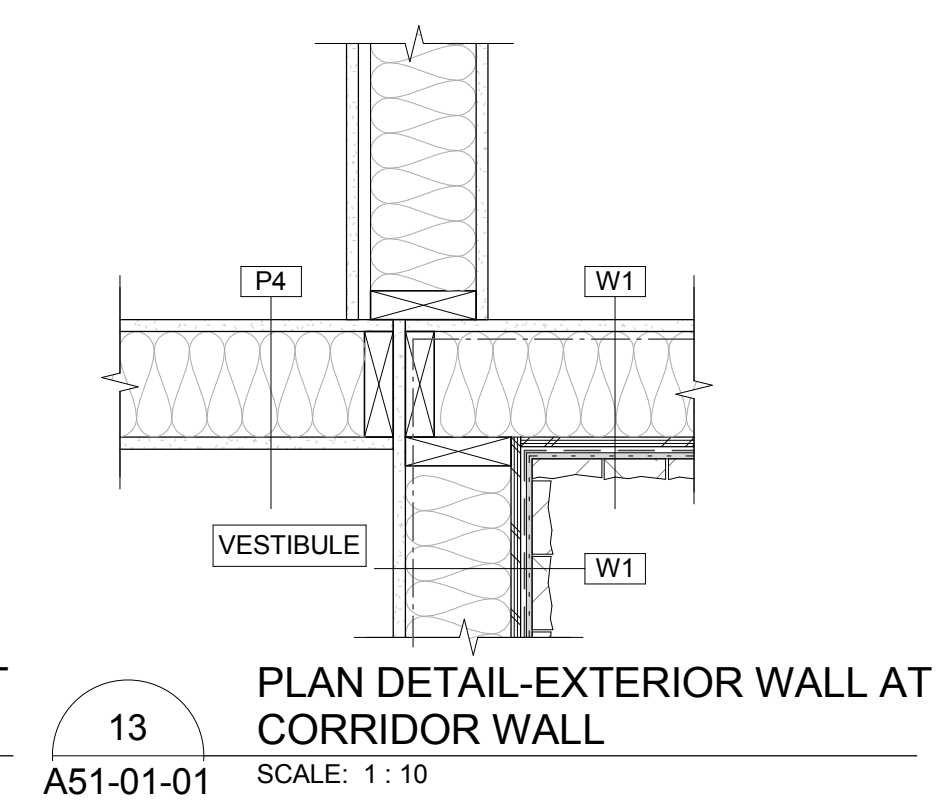
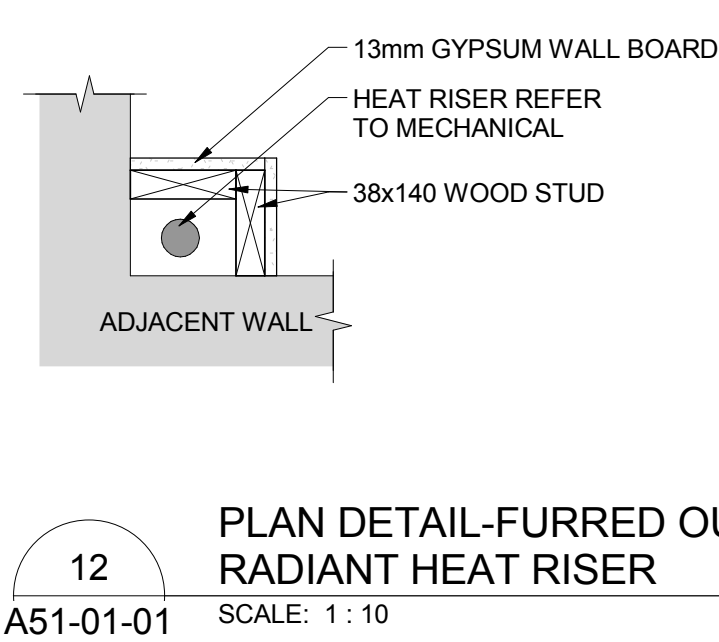
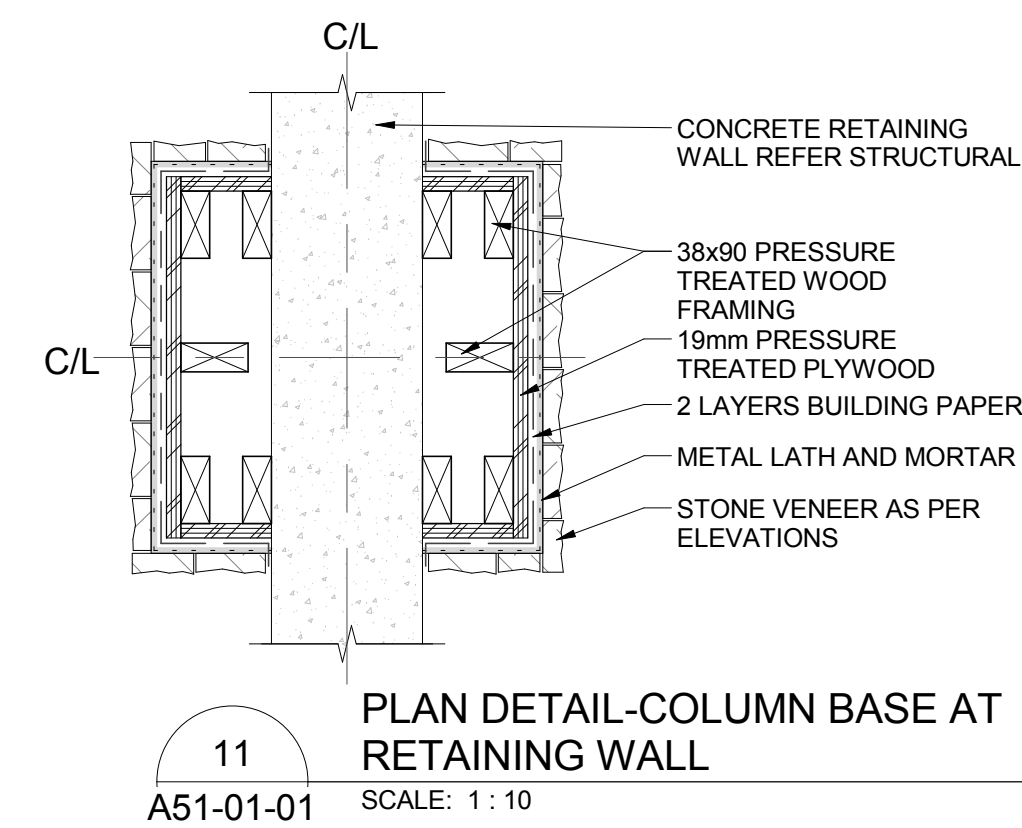
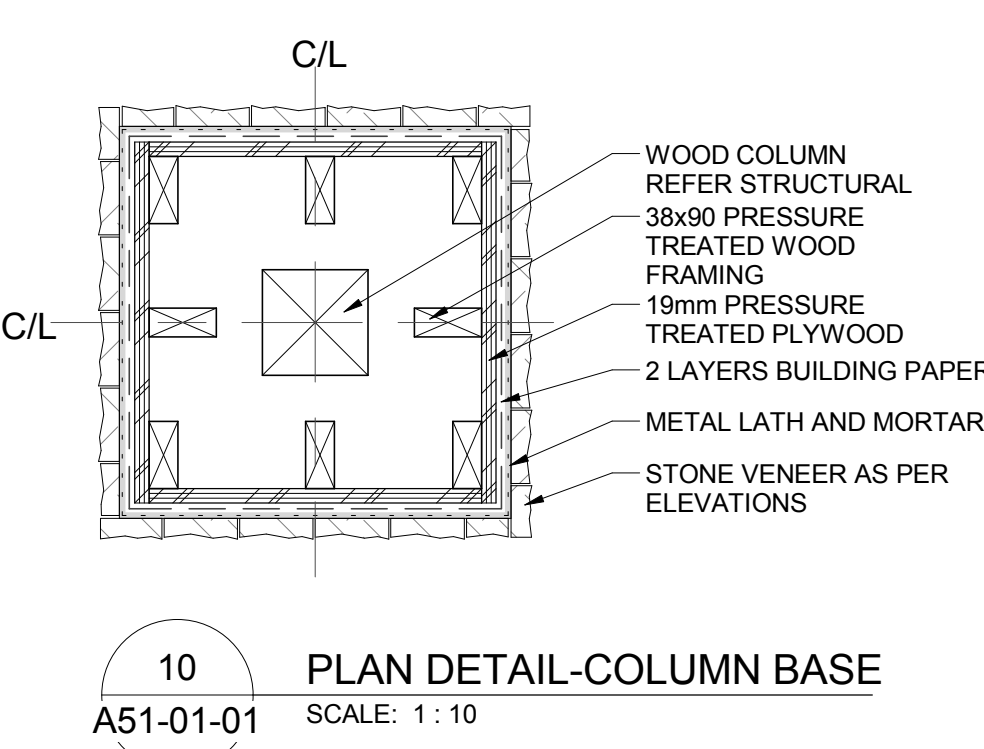
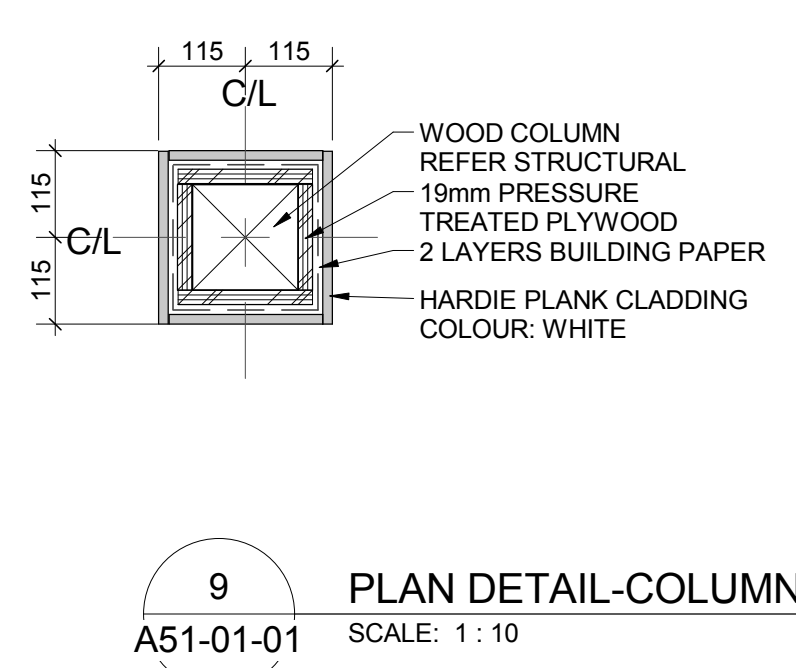
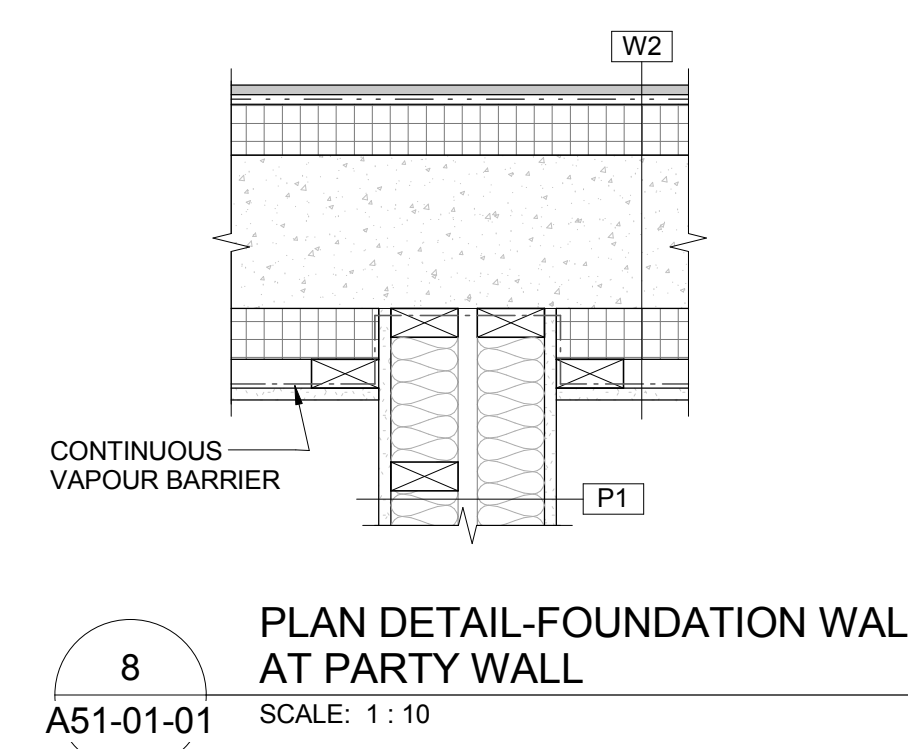
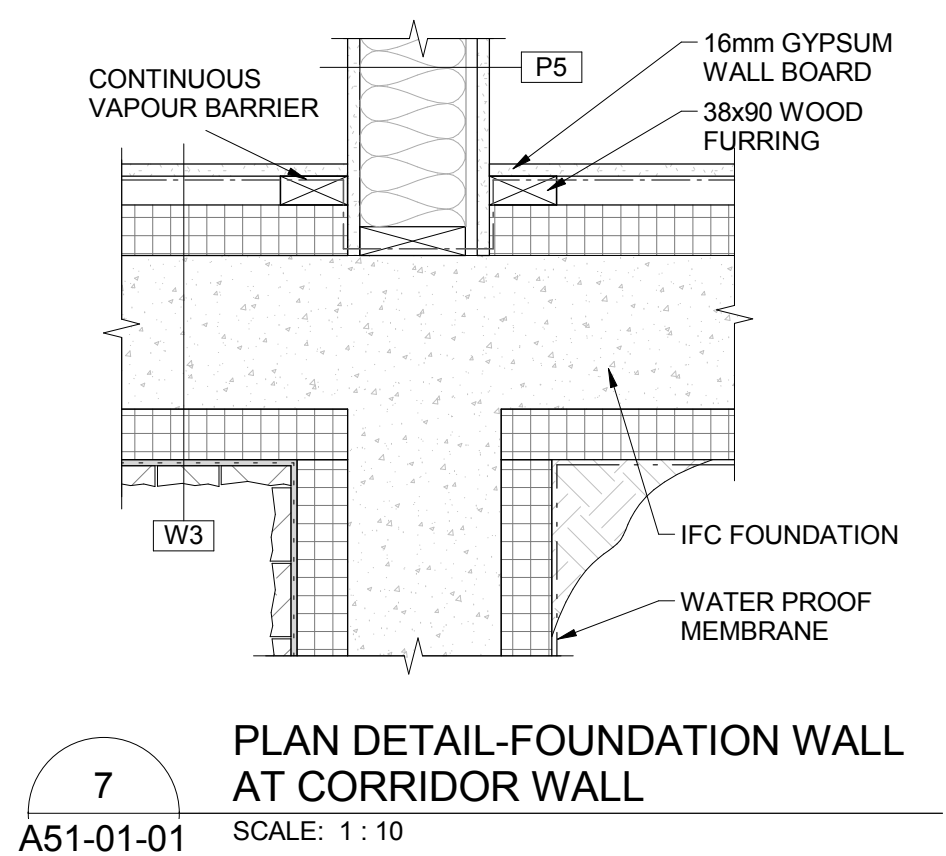
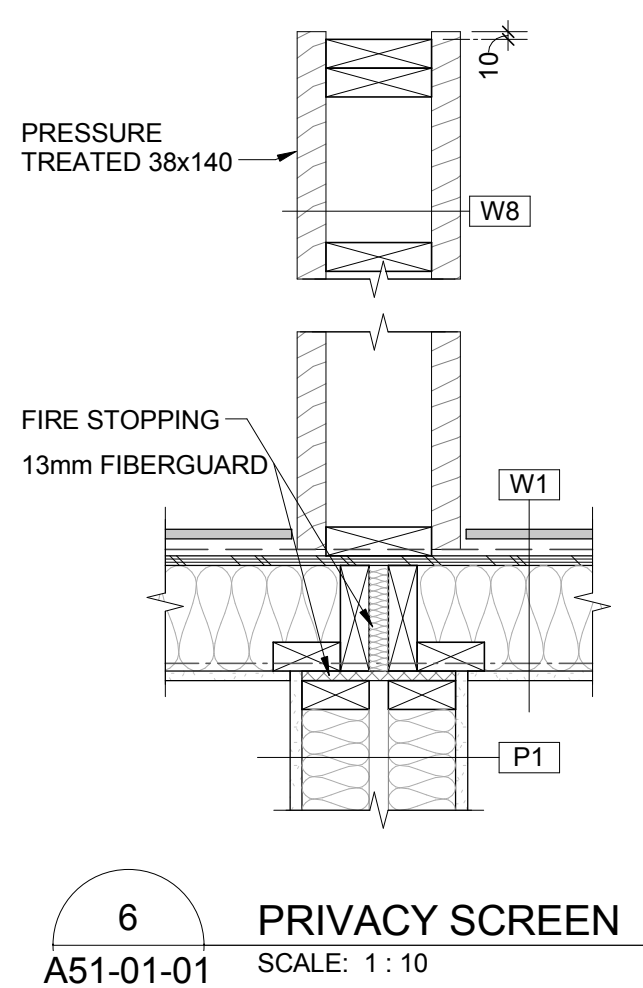
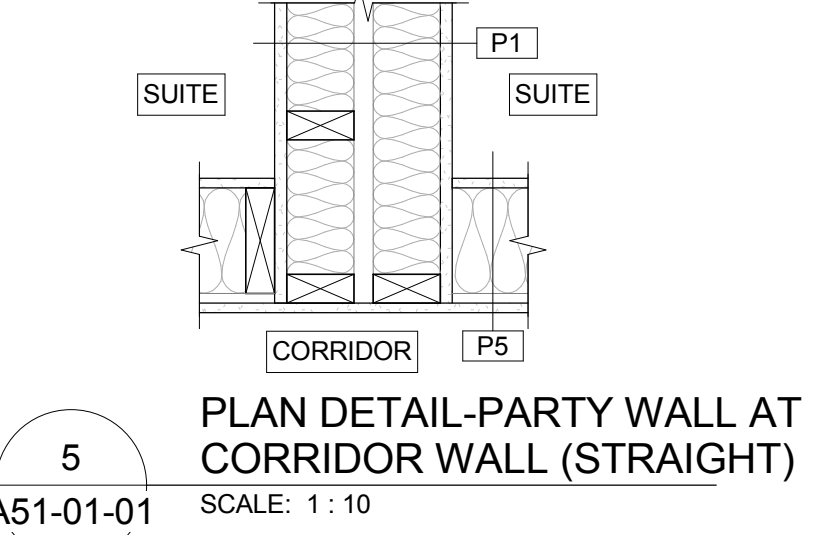
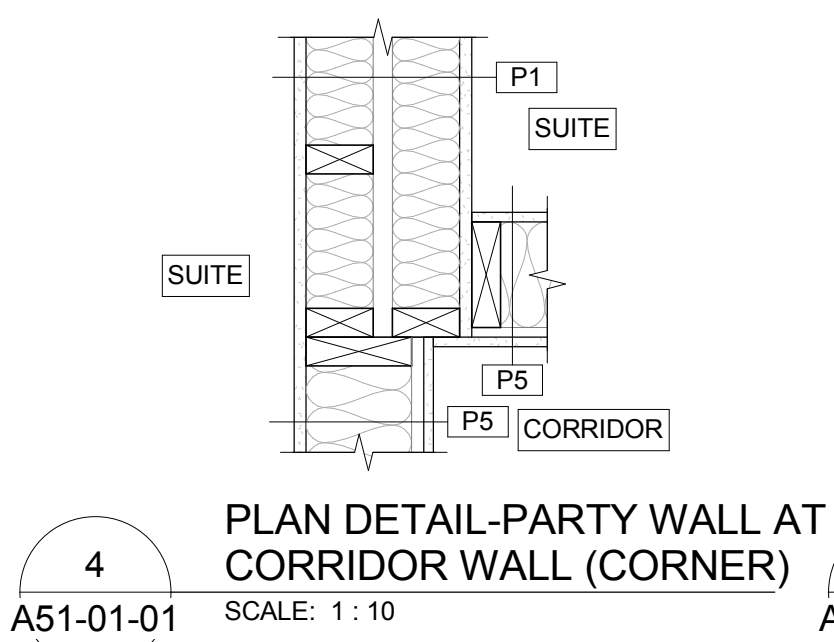
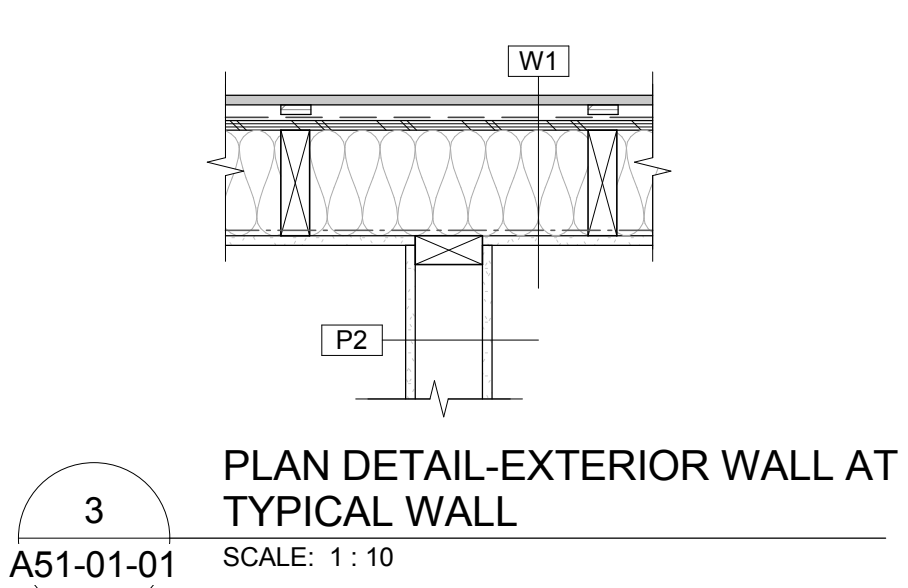
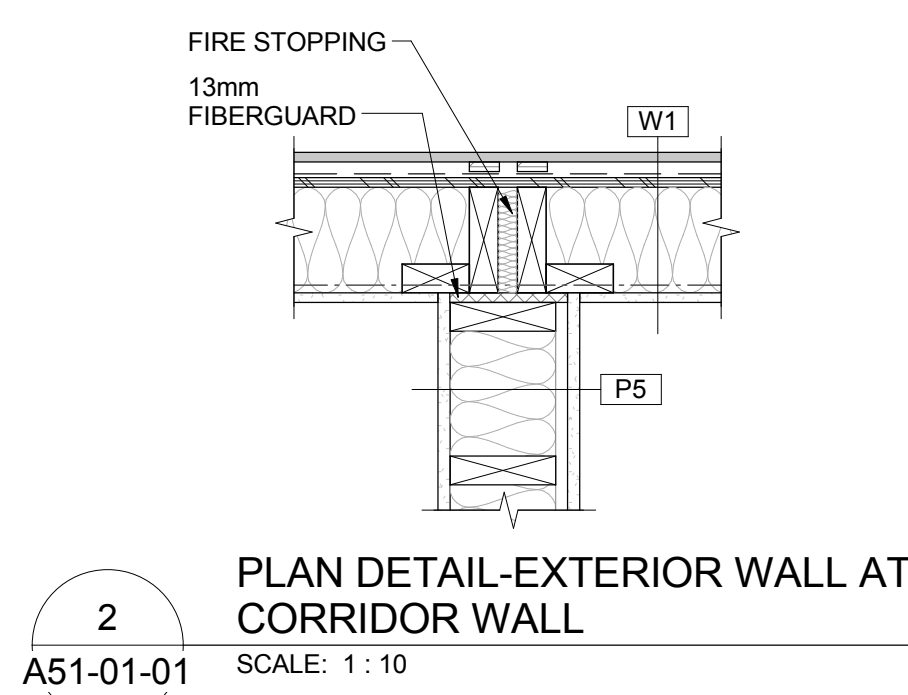
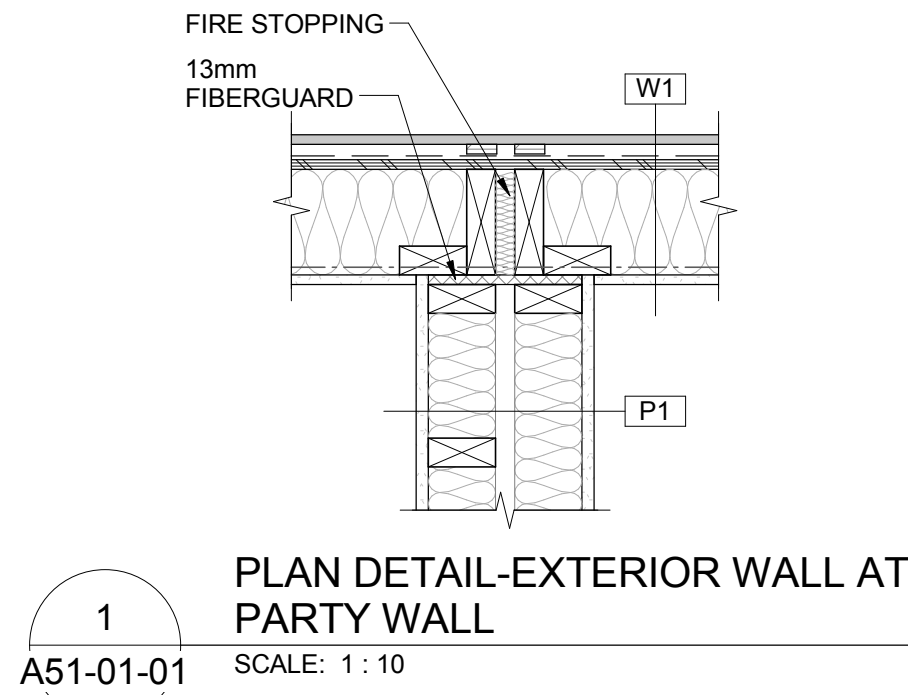
918 Patricia Street
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Drawing Title
WALL SECTIONS

Scale

Project No. NCEM17-0002

Drawing No. A50-00-02



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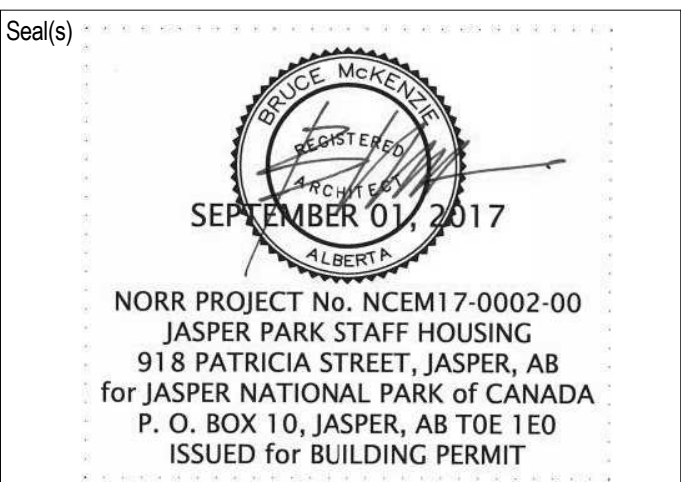
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Chris Van Pelt, A.P.E.C.A.

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

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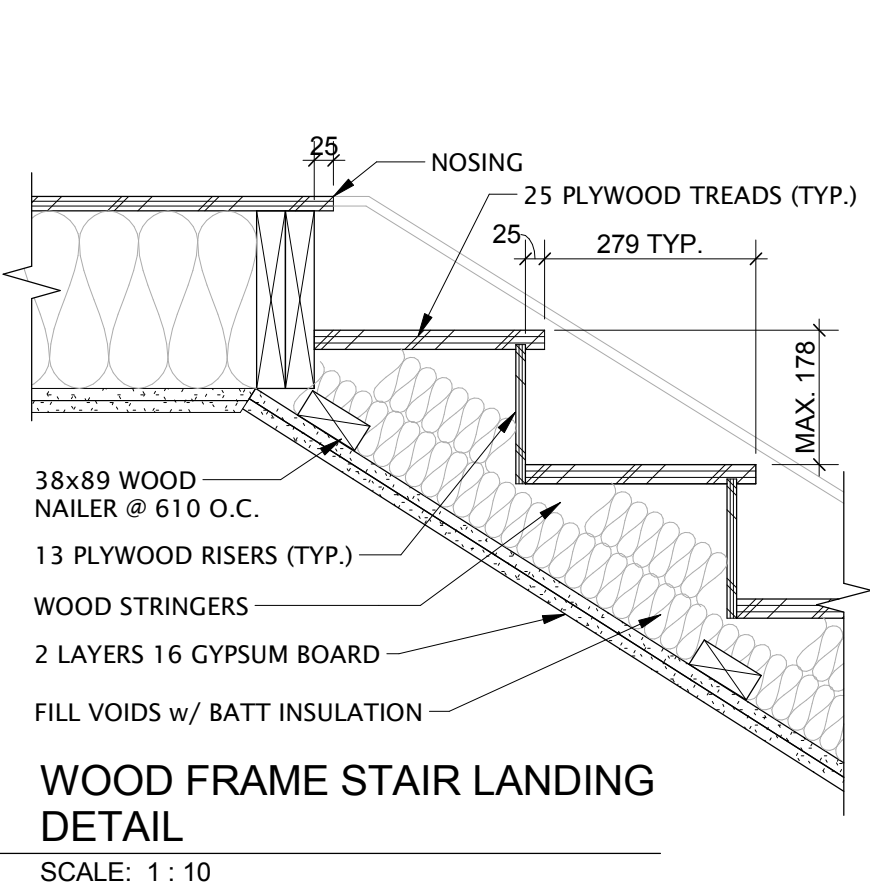
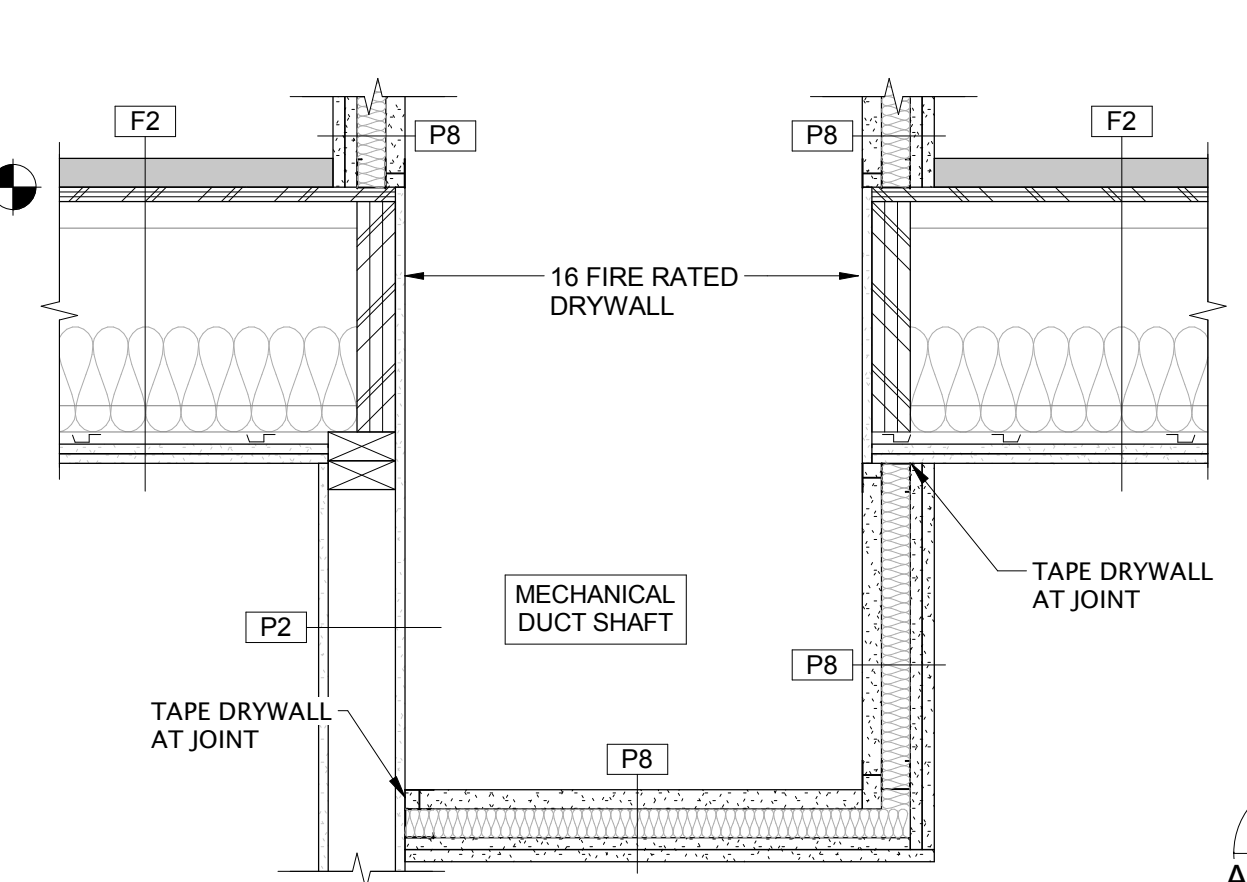
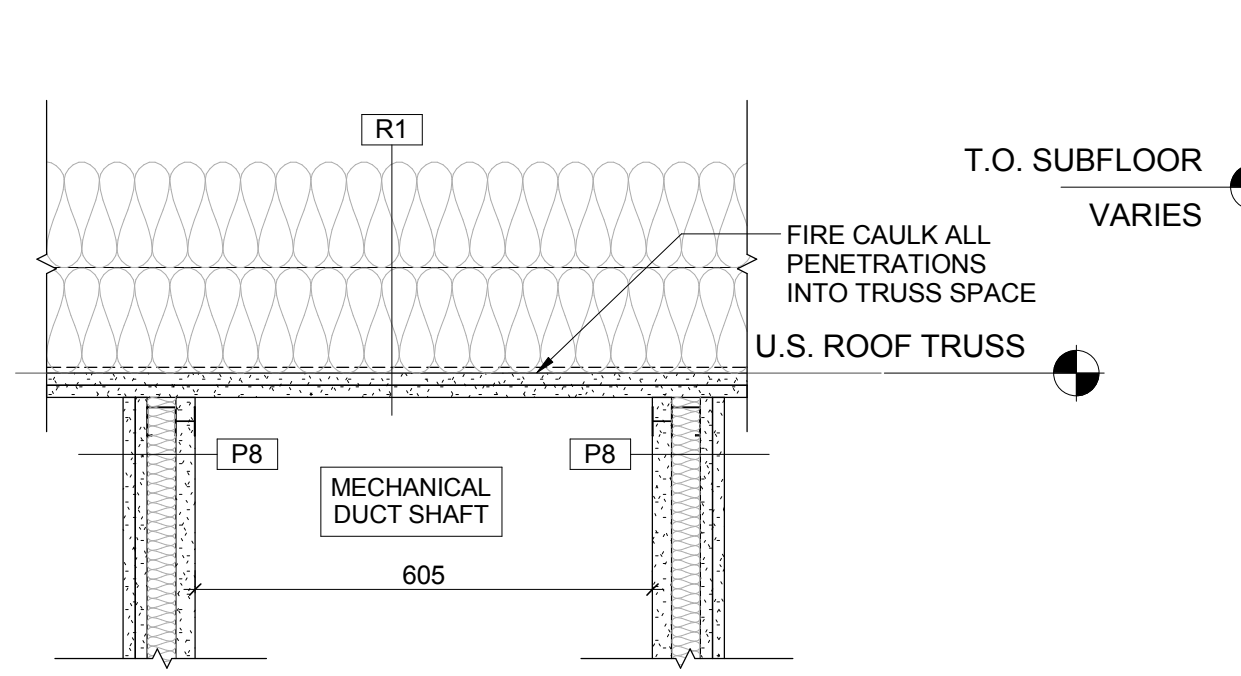
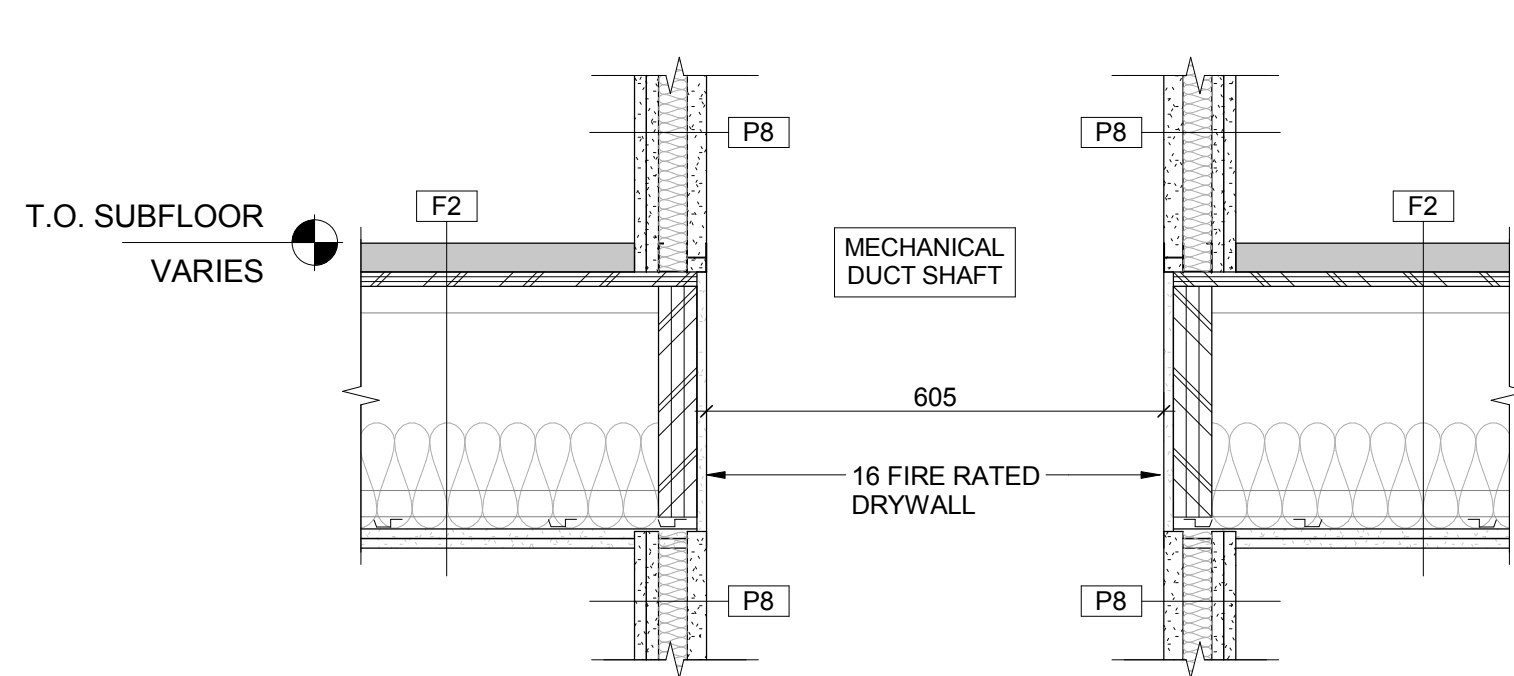
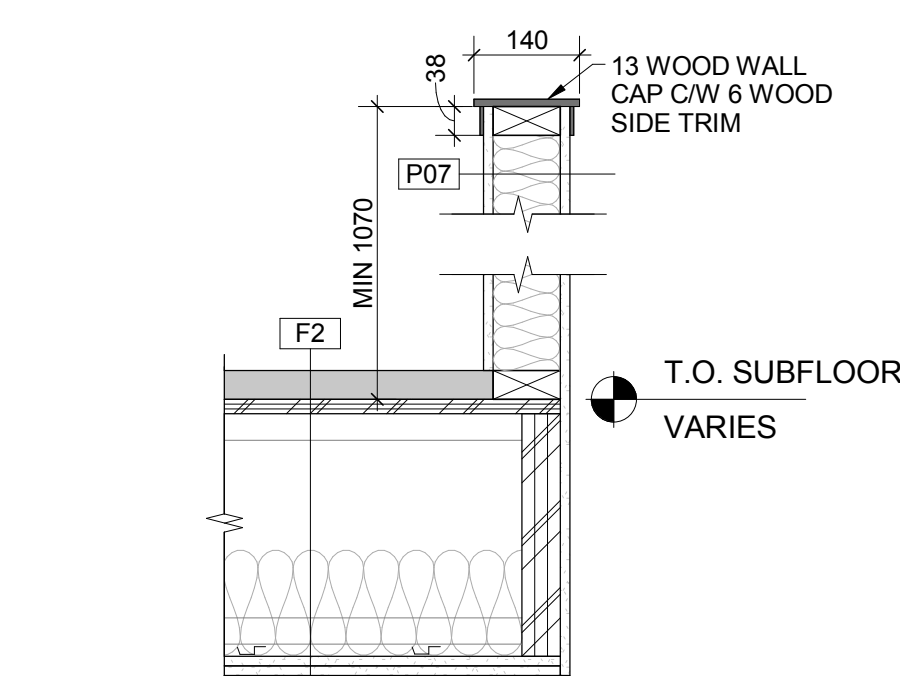
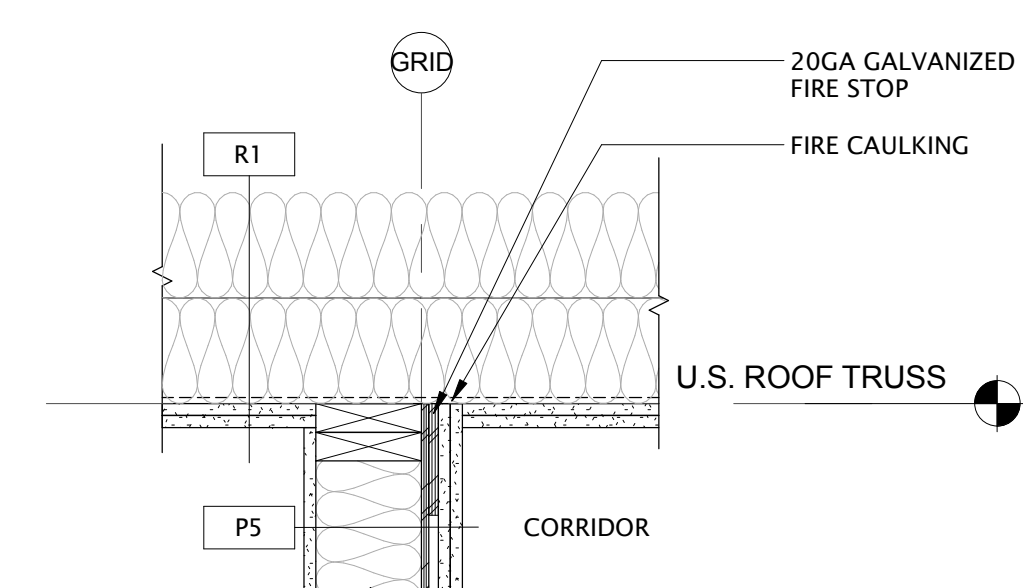
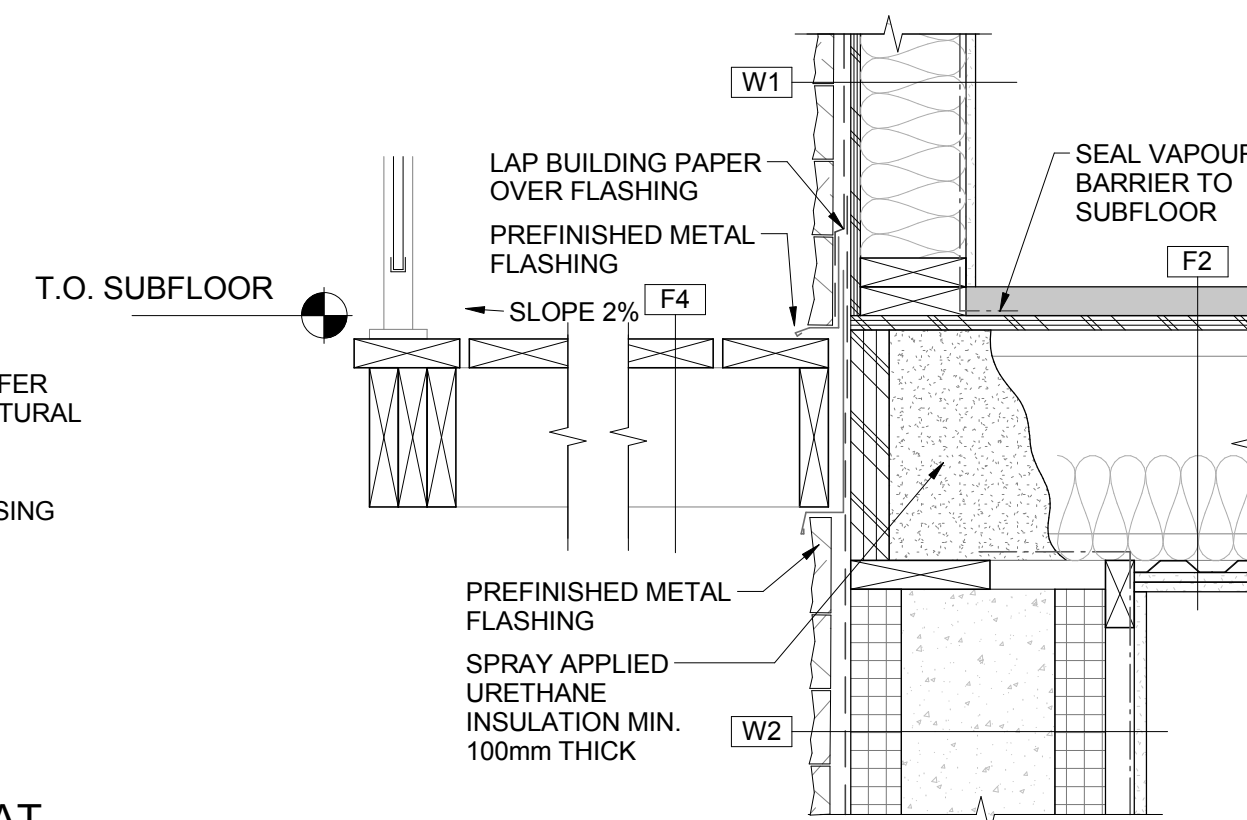
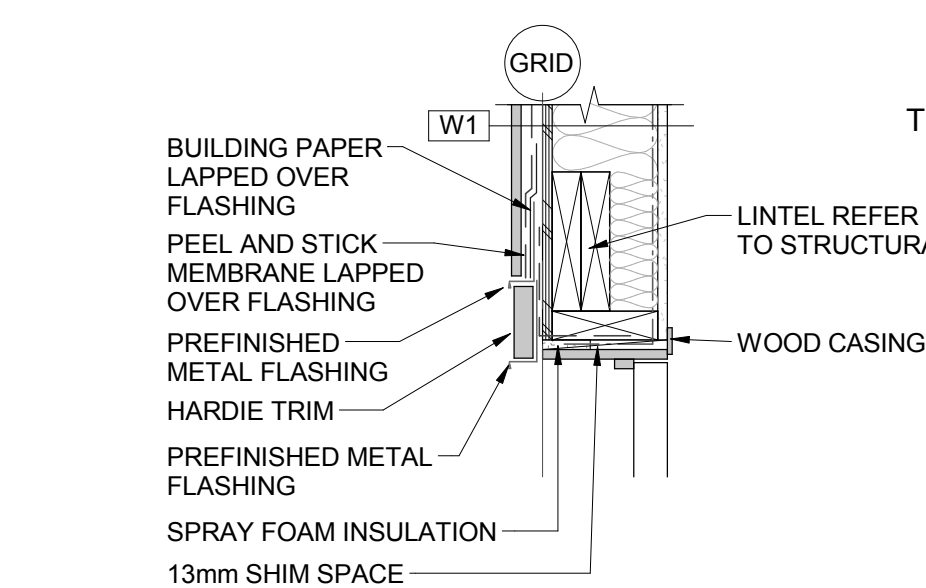
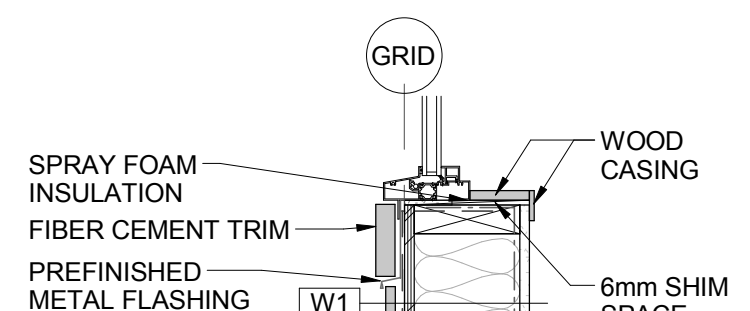
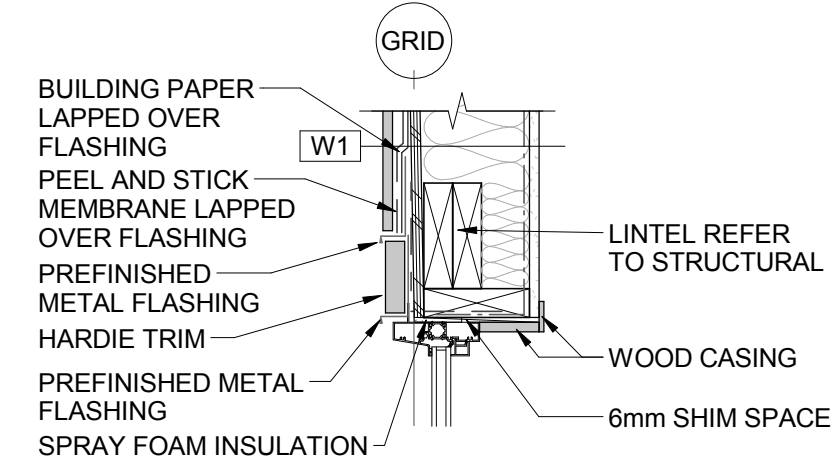
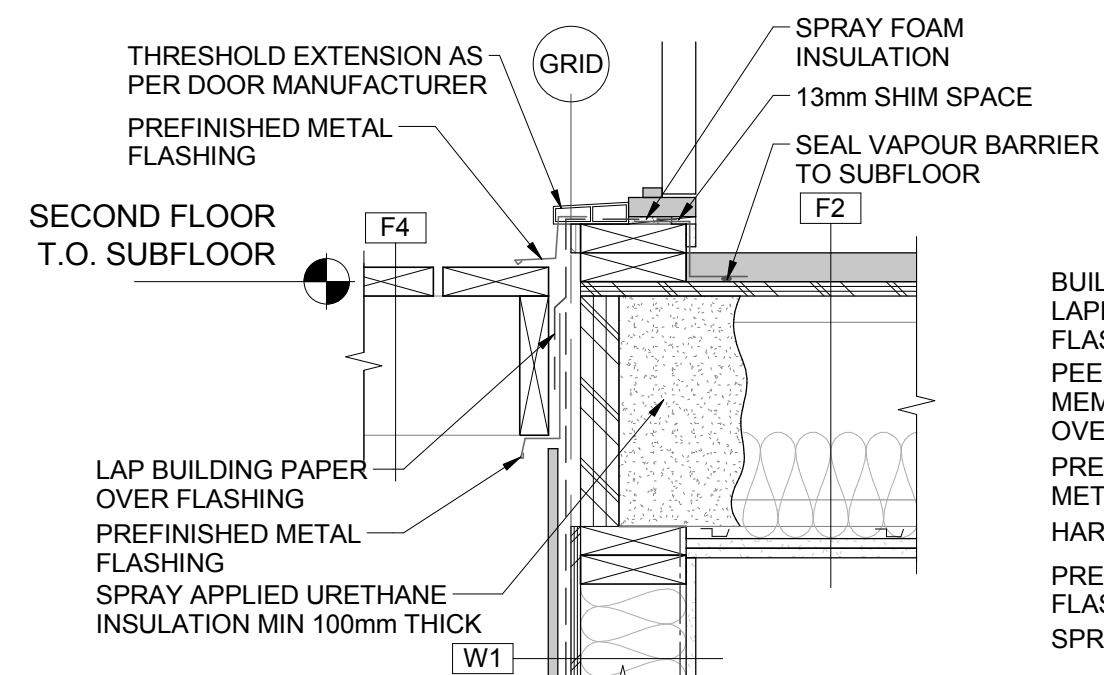
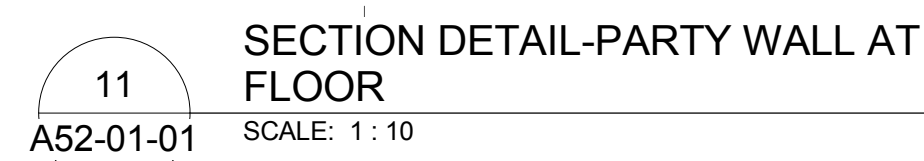
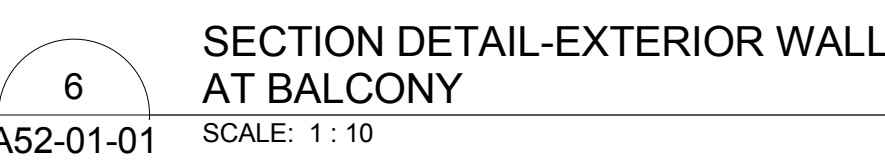
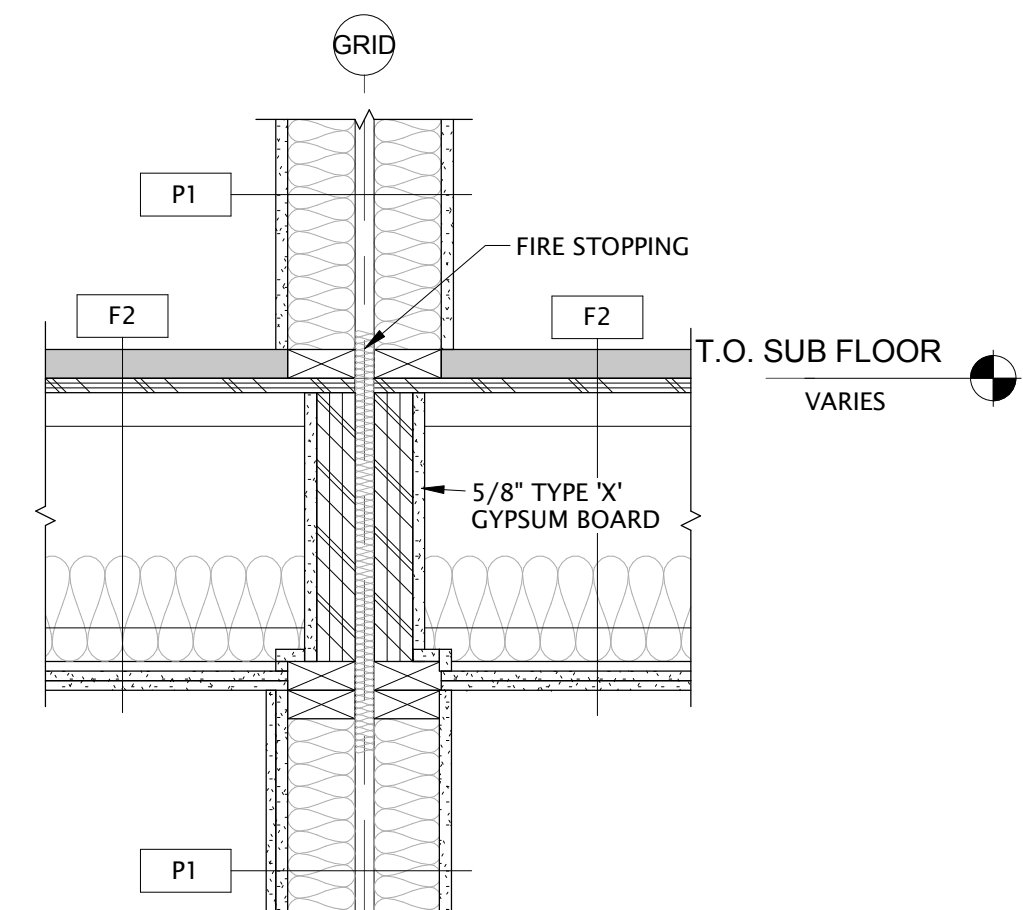
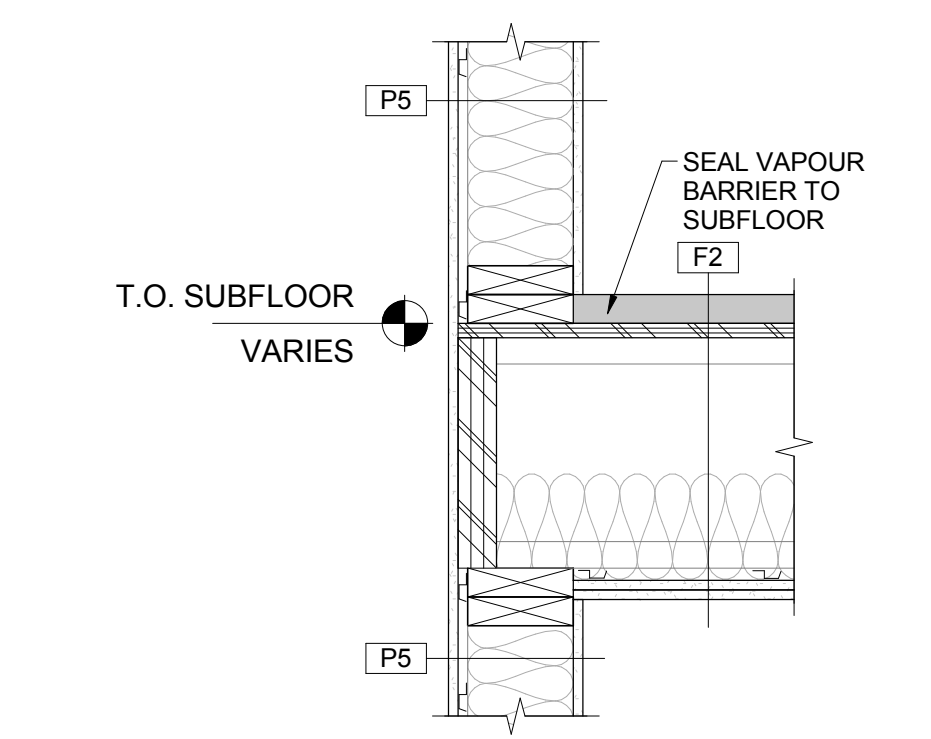
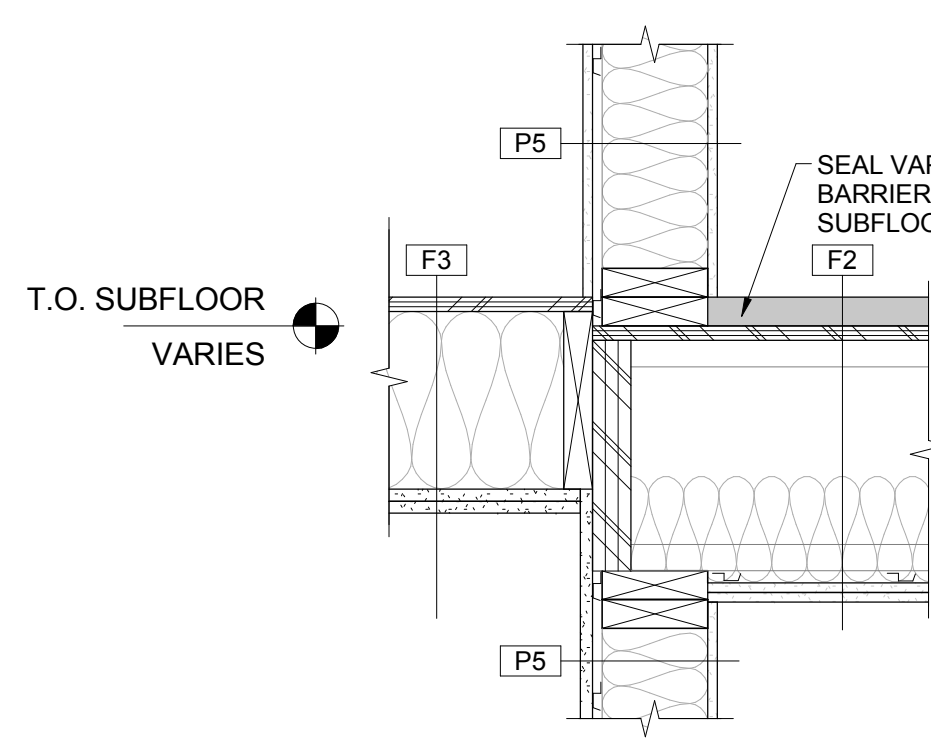
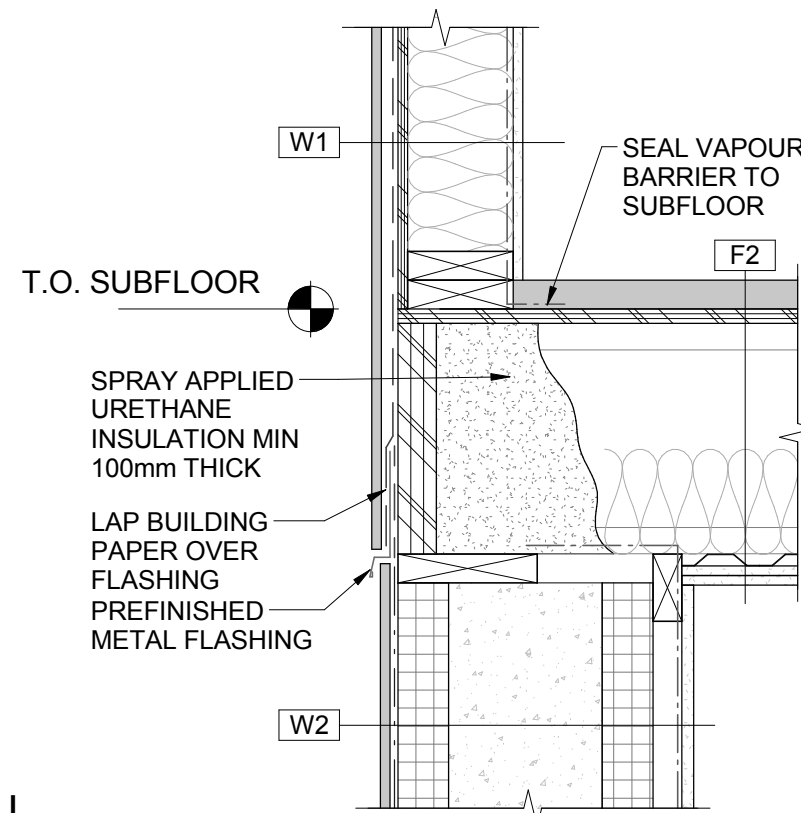
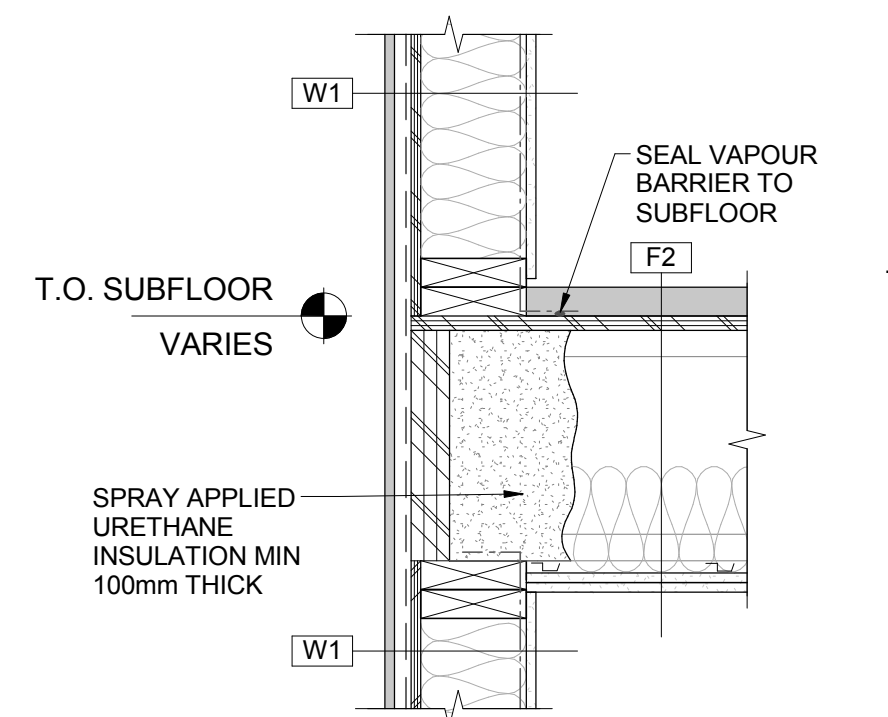
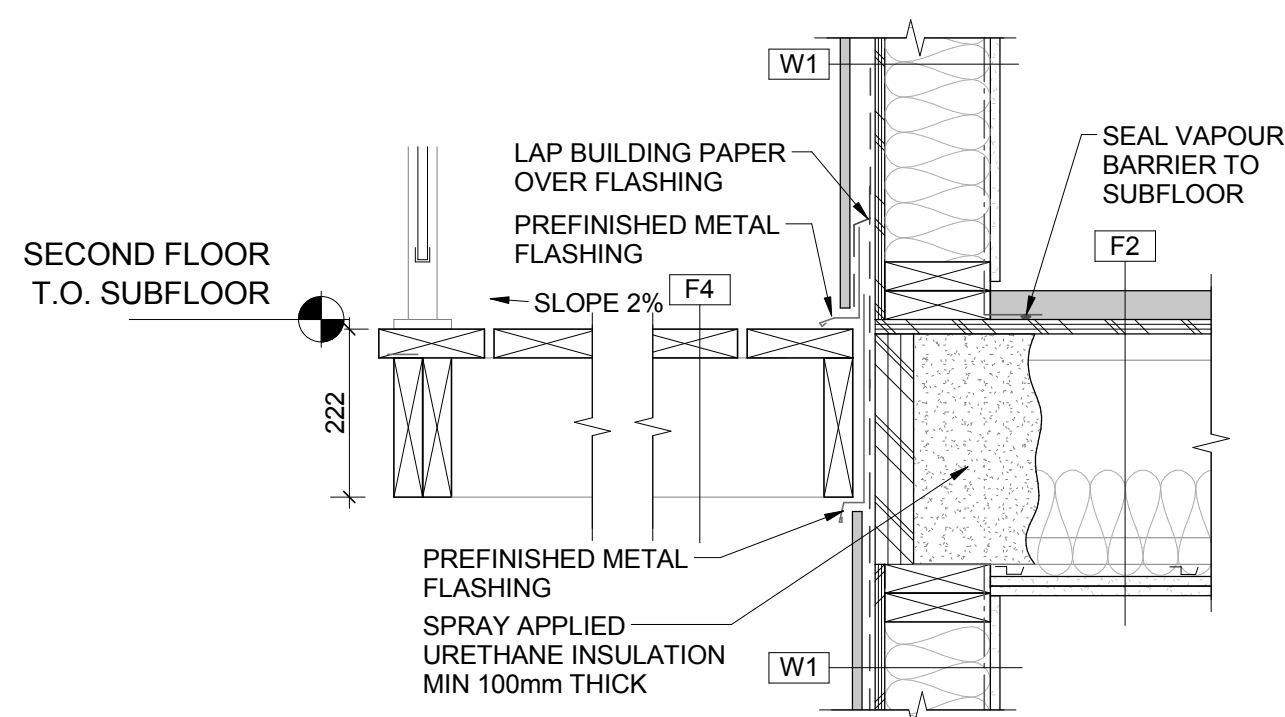
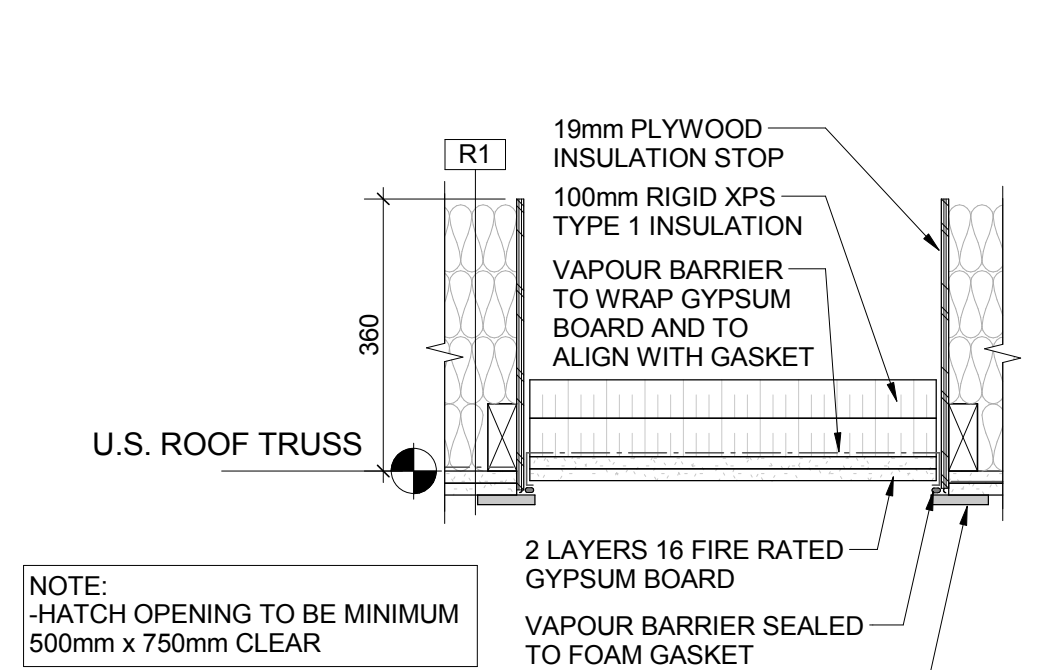
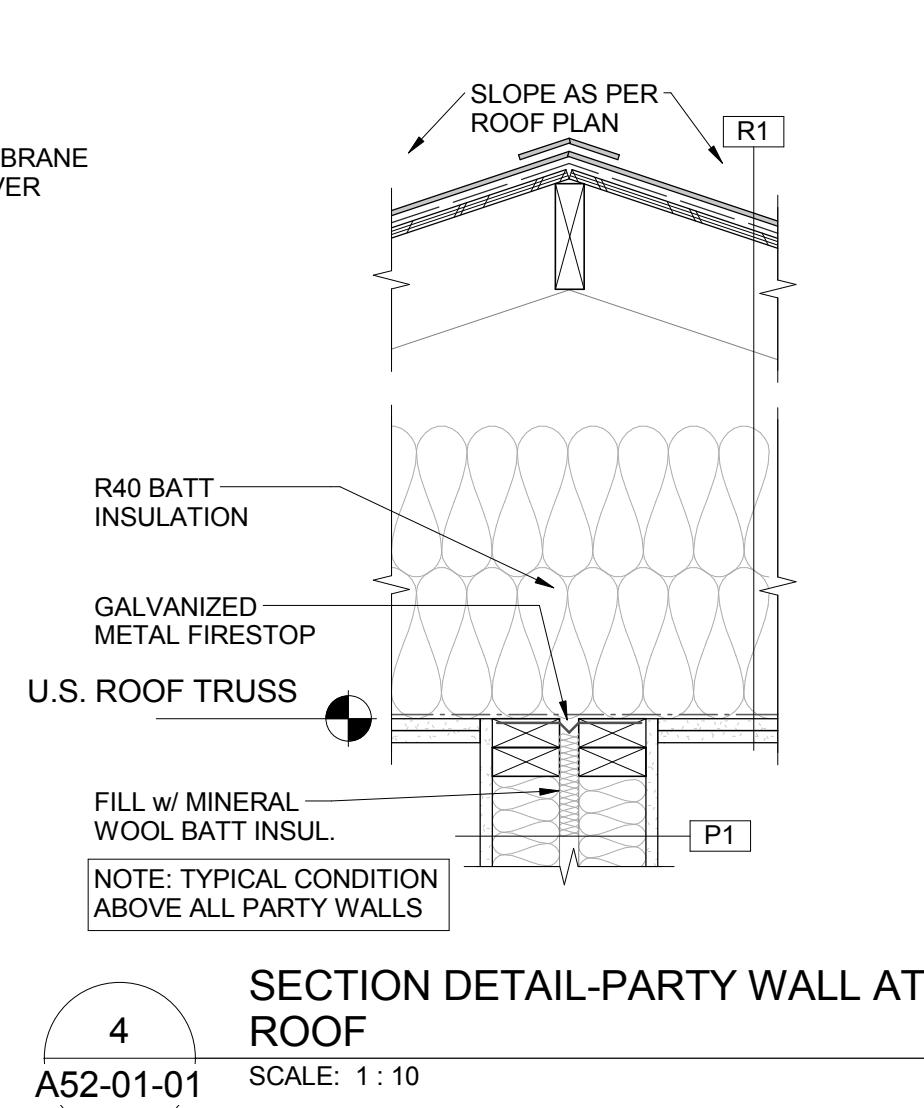
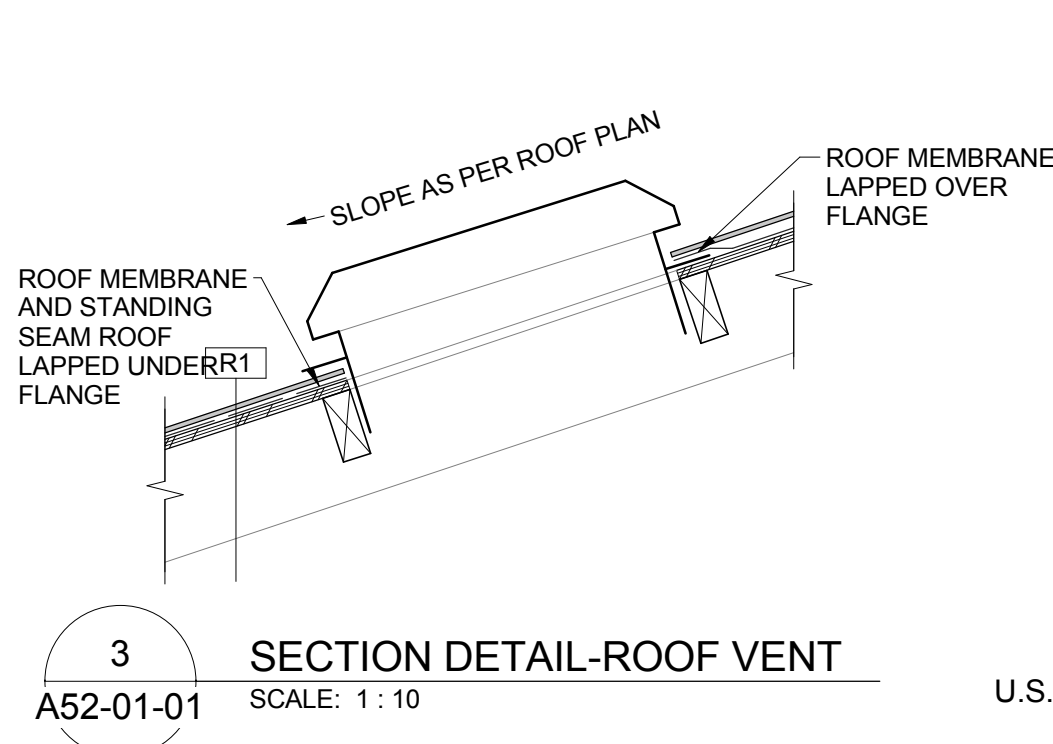
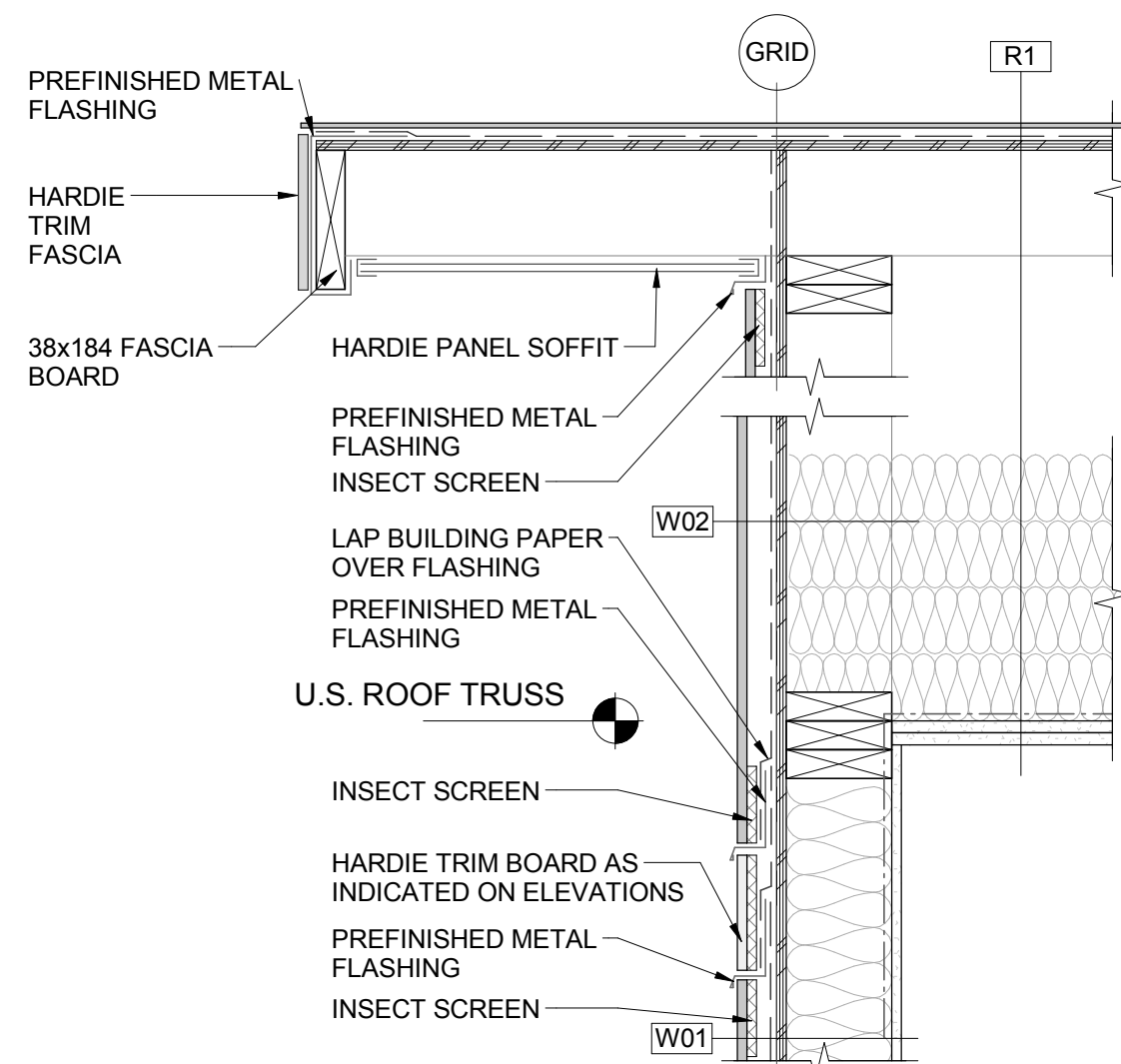
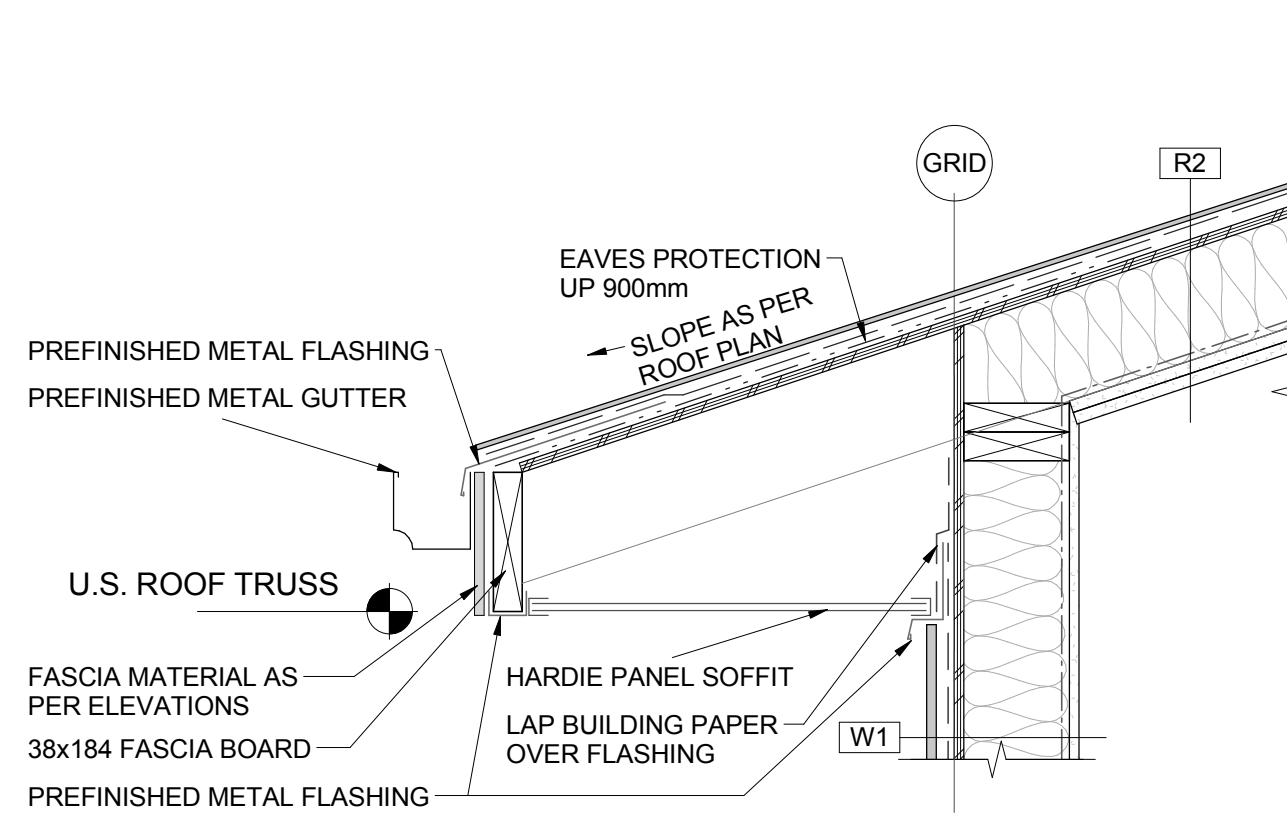
Drawing Title

PLAN DETAILS

Scale

Project No. NCEM17-0002

Drawing No. A51-01-01



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2017-06-28	DEVELOPMENT PERMIT	A
2017-08-15	TENDER	B
2017-09-01	BUILDING PERMIT	C

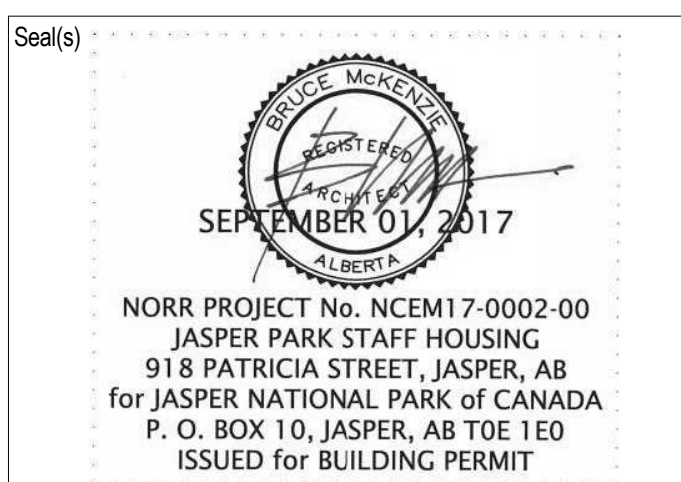
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Project Component

Key Plan

Consultants	McHanney 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



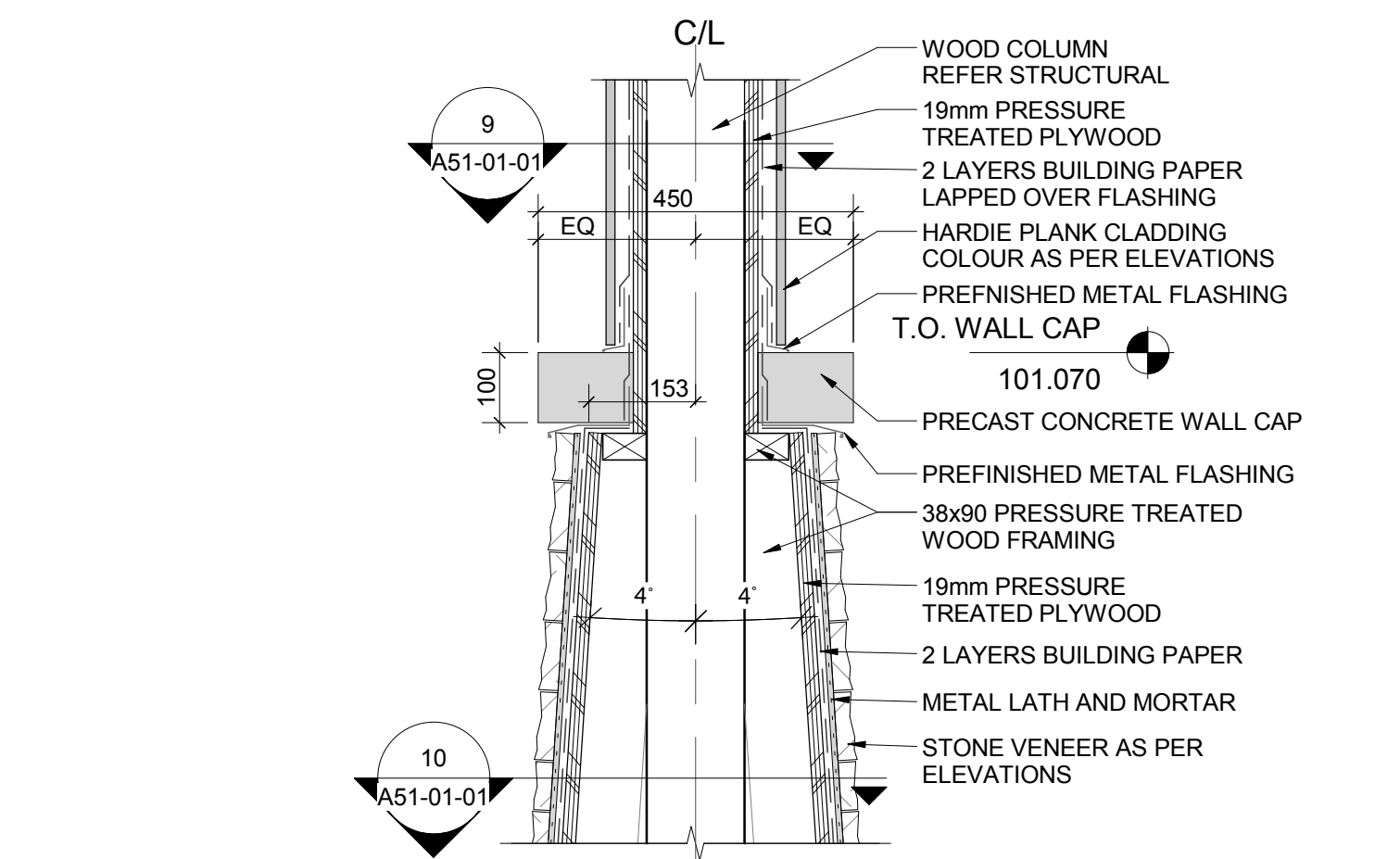
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An Ingenium Group Company

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10722 - 103rd Ave
Edmonton, Alberta, Canada T5J 5G7
norrr.com

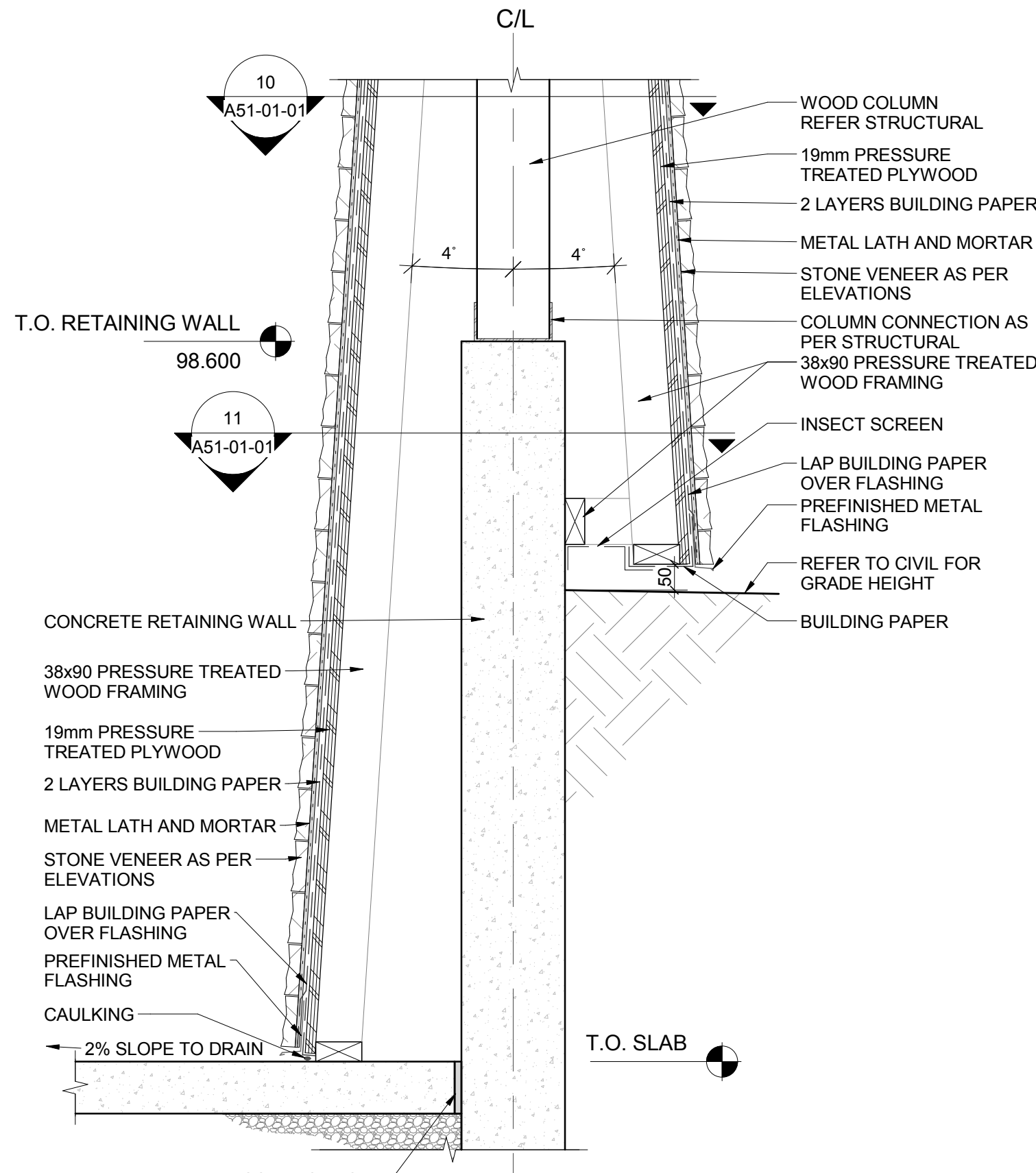
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Ronald M. Troch, Architect, AIA, S.Arch, M.A.S.C.
Bruce McHanney, Architect, AIA, S.Arch, M.A.S.C.
A. David Salsbery, Architect, AIA, S.Arch, M.A.S.C.
Alicia Tisdale, P.Eng., A.P.E.C.A.
Chris Poir, P.Eng., A.P.E.C.A.

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

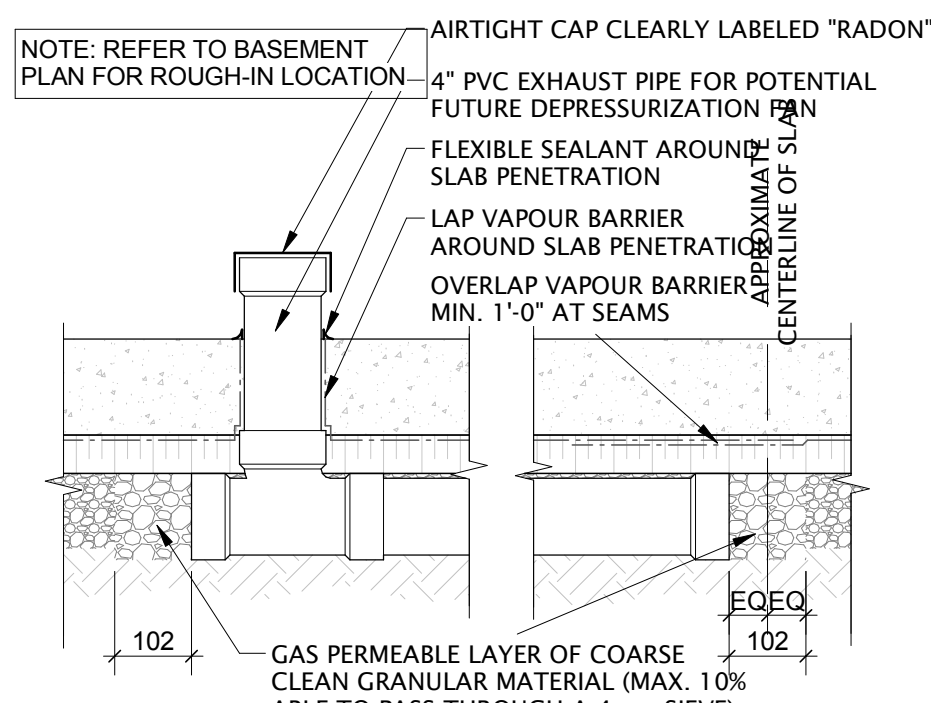
PARKS CANADA AGENCY	
Jasper National Park, Jasper, AB	
Project	
JASPER PARK STAFF HOUSING	
918 Patricia Street JASPER, AB	
Drawing Title	
SECTION DETAILS	
Scale	
Project No.	NCEM17-0002
Drawing No.	A52-01-01



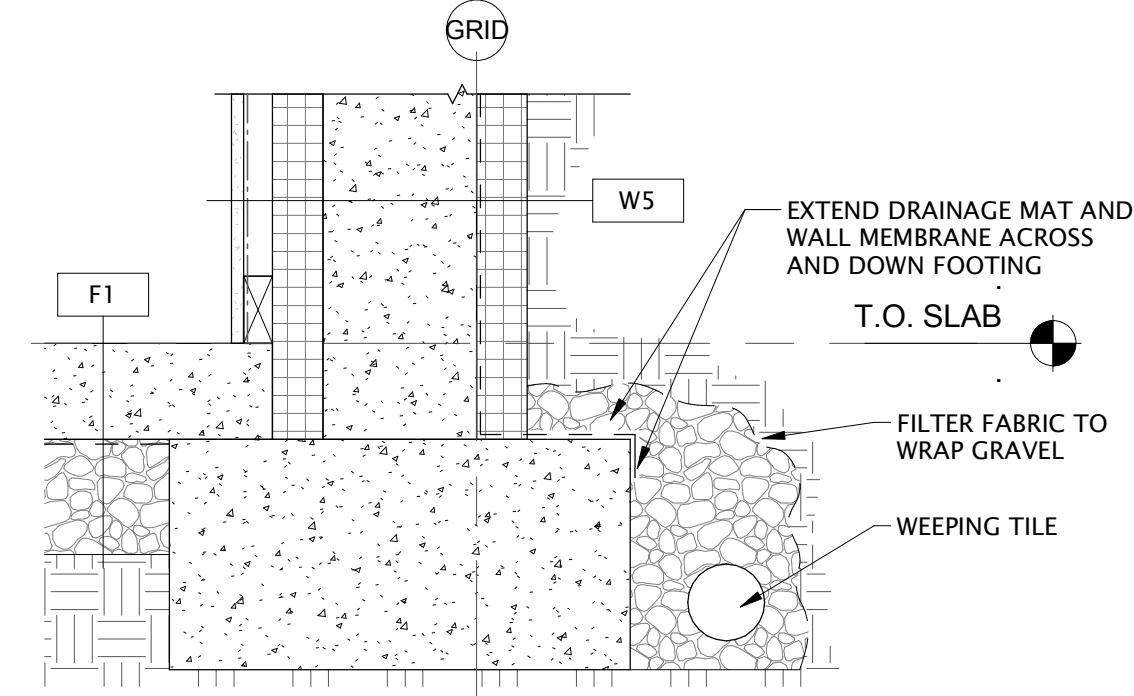
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SECTION DETAIL-COLUMN AT TOP
OF STONE
A52-01-02 SCALE: 1 : 10



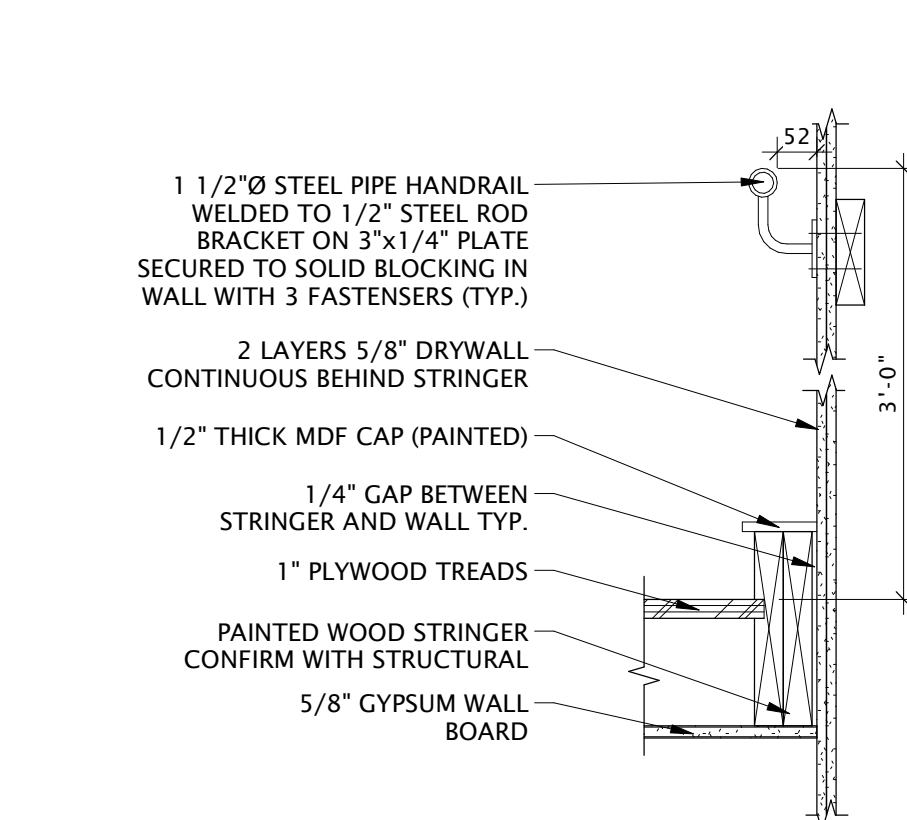
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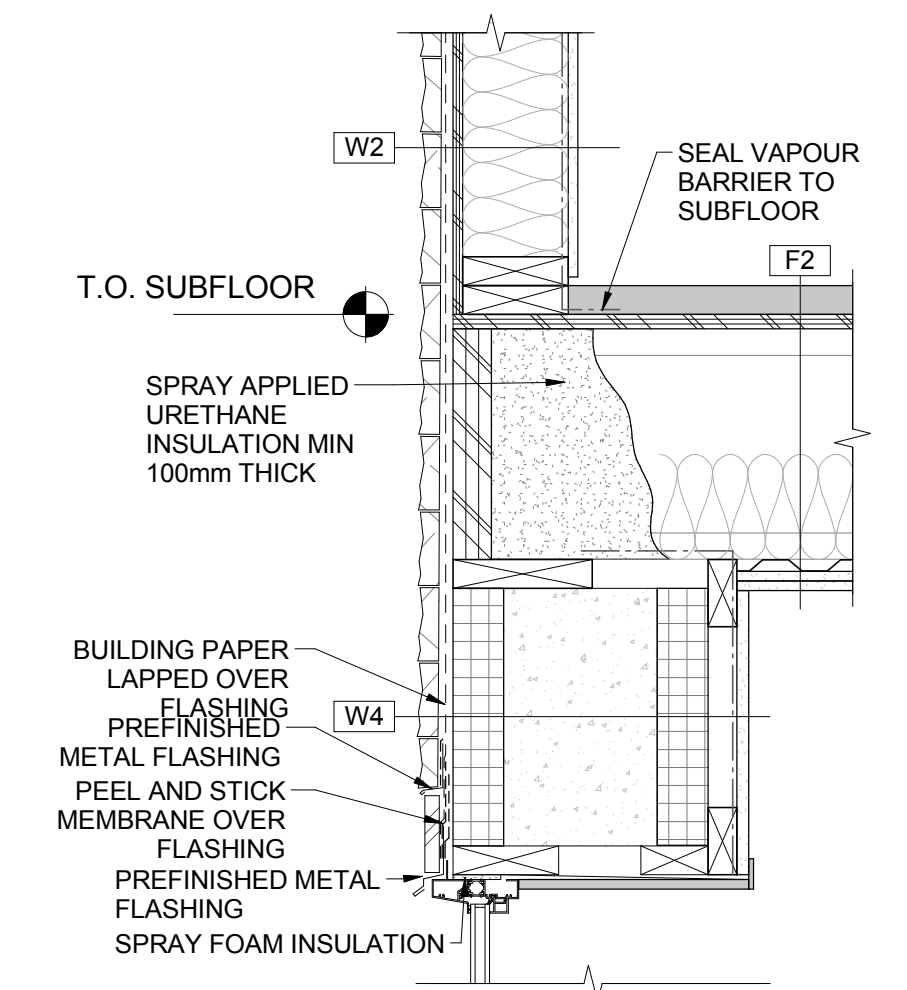
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SECTION DETAIL - RADON
MITIGATION ROUGH-IN
A52-01-02 SCALE: 1 : 10



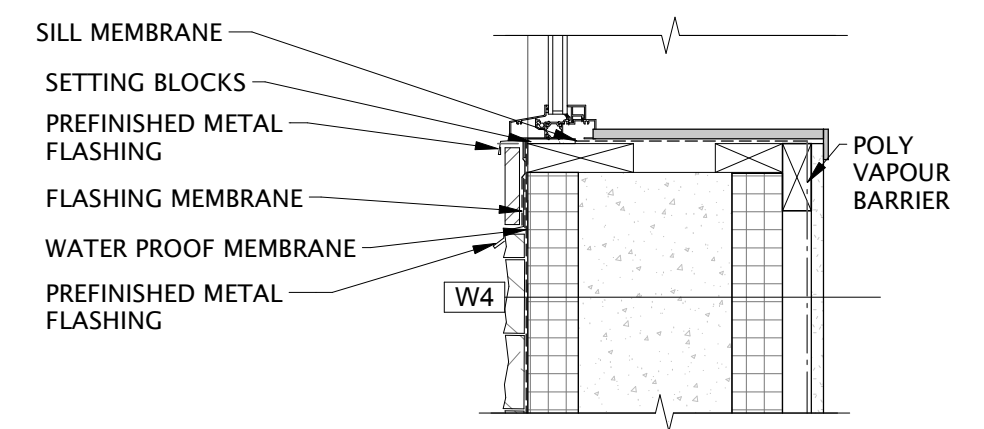
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SECTION DETAIL - FOUNDATION
FOOTING
A52-01-02 SCALE: 1 : 10



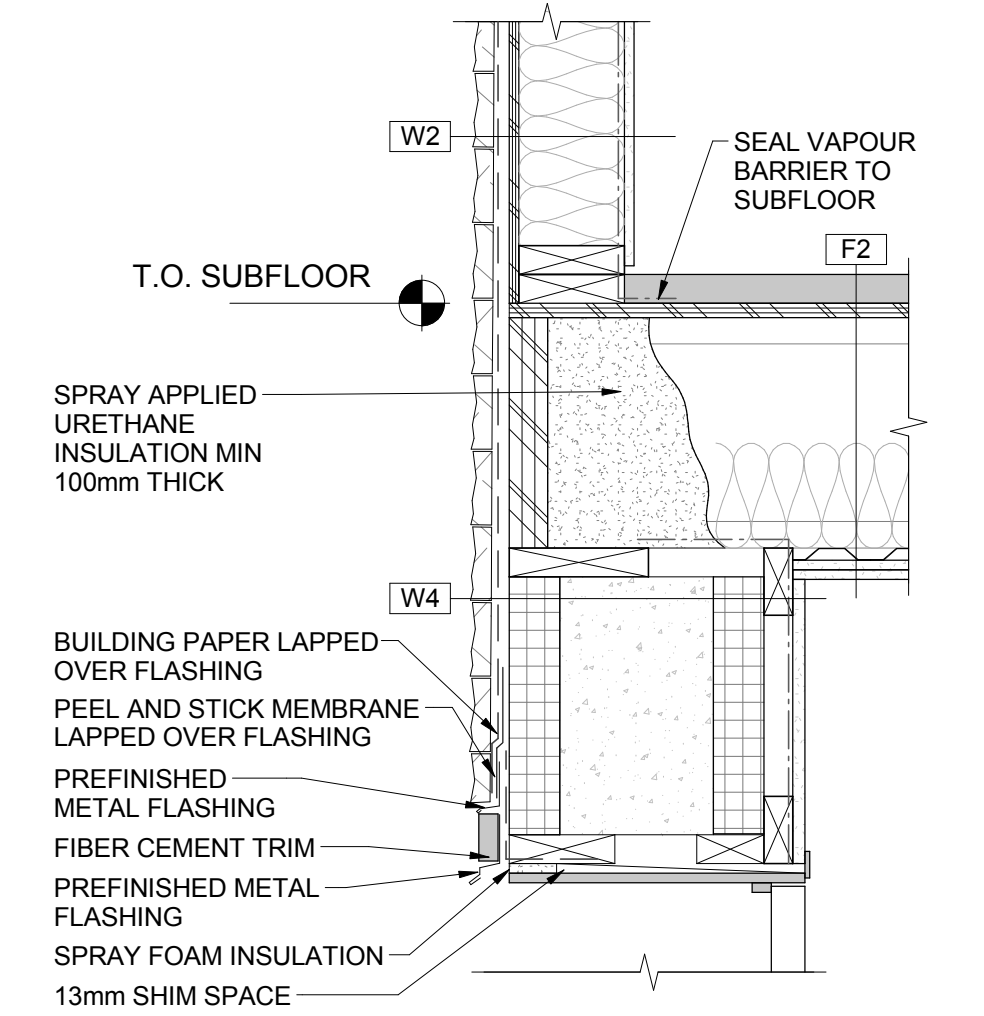
5
STAIR RAILING AT WOOD FRAME
WALL
A52-01-02 SCALE: 1 : 10



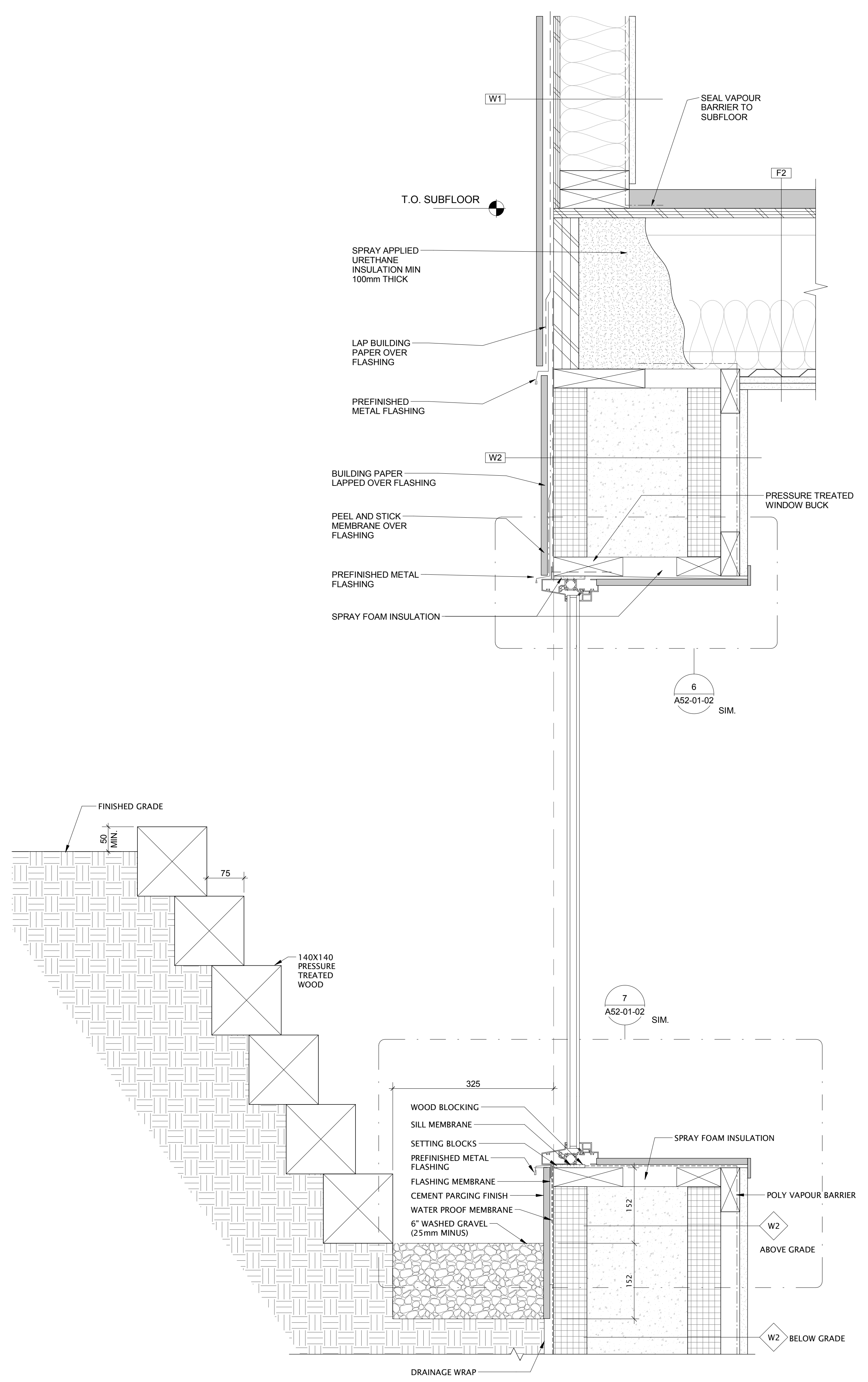
6
SECTION DETAIL-WINDW HEAD @
FOUNDATION WALL
A52-01-02 SCALE: 1 : 10



7
WINDOW SILL @ FOUNDATION
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

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	McHanney 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

NORR
ARCHITECTS ENGINEERS PLANNERS
An Ingenium Group Company

Suite 304
10722 - 103rd Ave
Edmonton, Alberta, Canada T5J 5G7
norr.com

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Bruce McHanney, Architect, AIA, S.Arch, MABEC
A. David Salsbery, Architect, AIA, S.Arch, MABEC
Adam Tisdale, P.Eng., APEGA
Chris Paul, 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

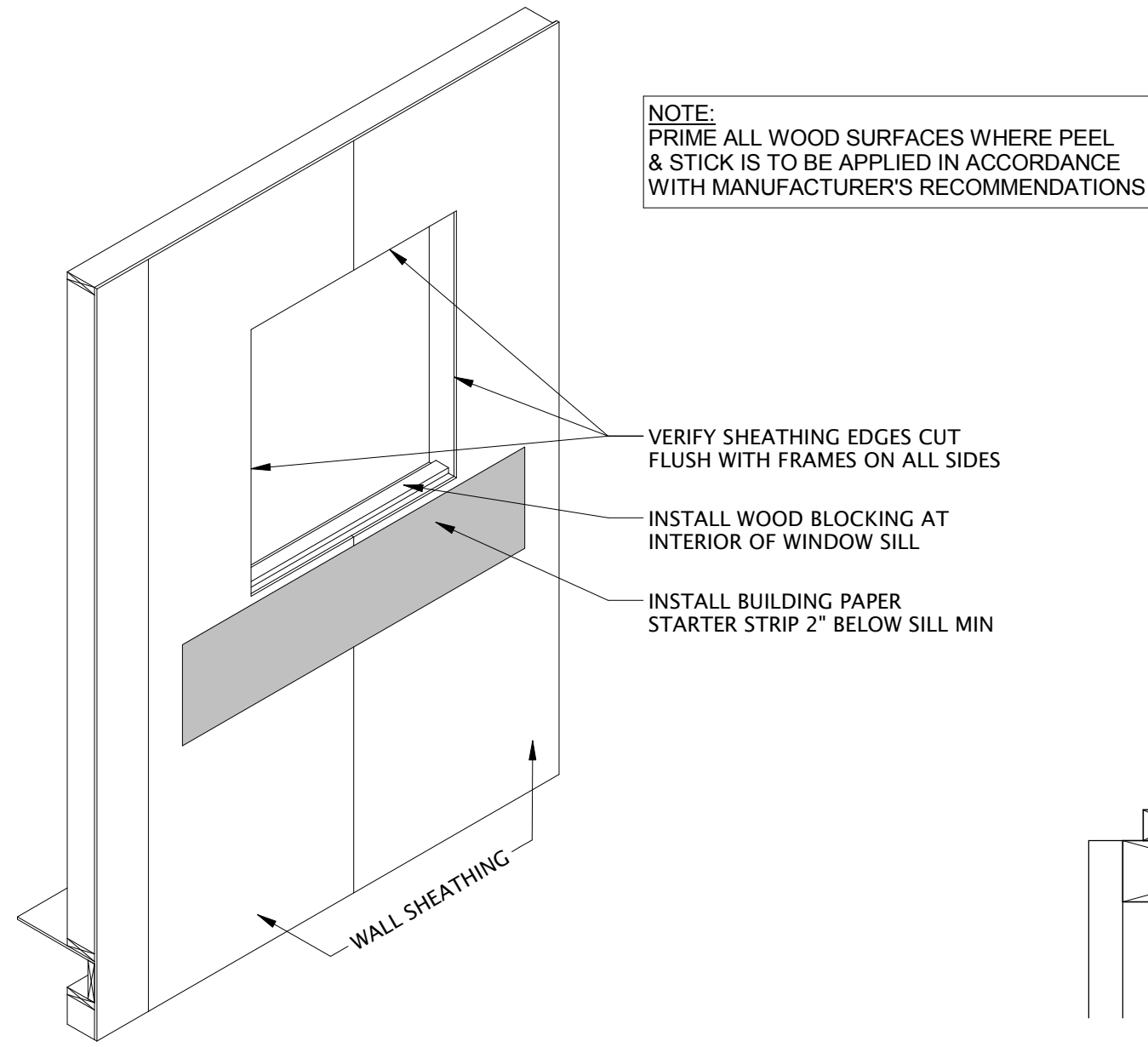
JASPER PARK STAFF HOUSING

918 Patricia Street
JASPER, AB

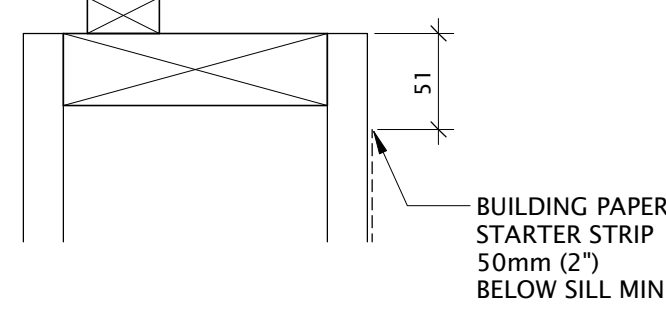
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SECTION DETAILS

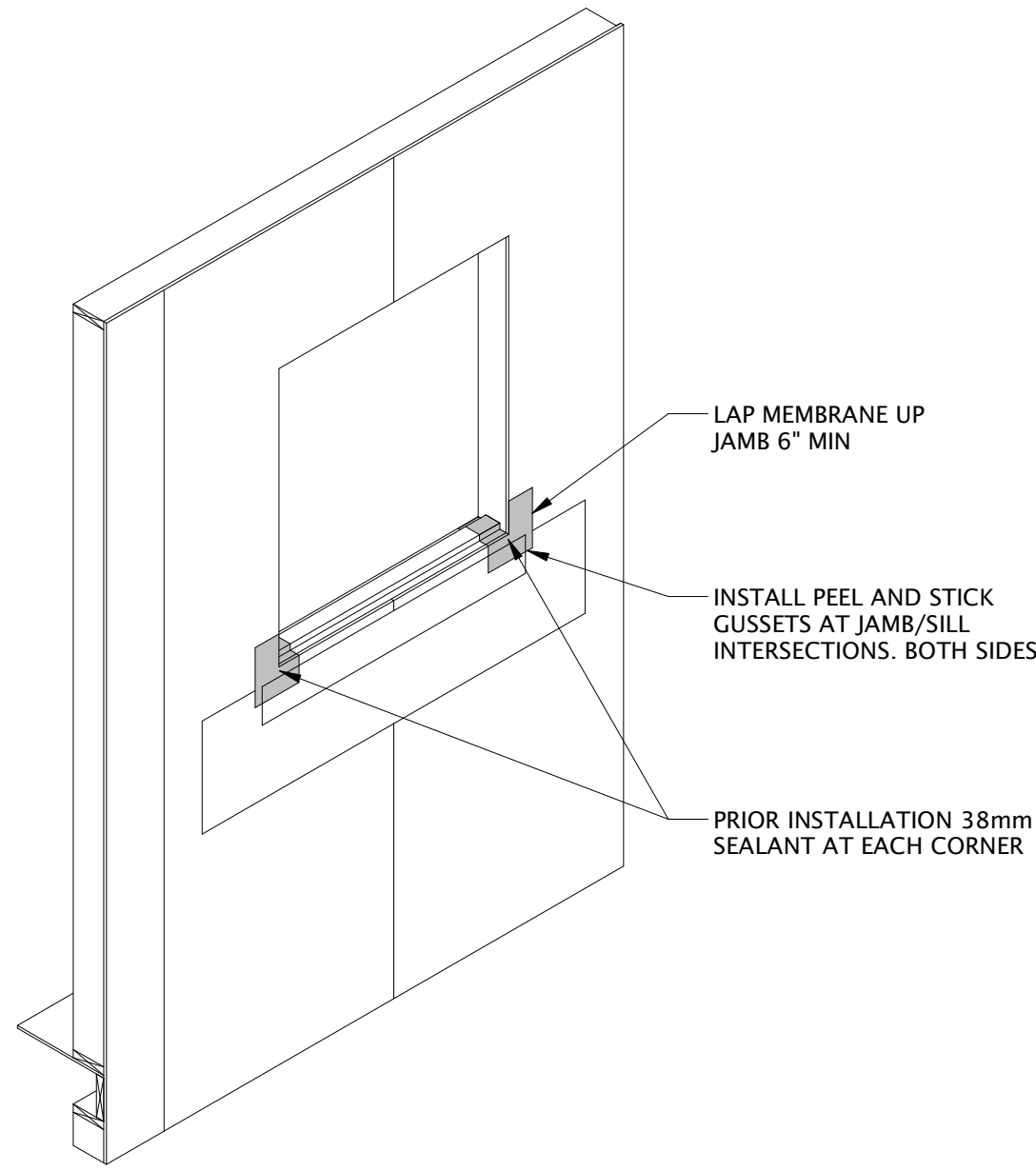
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Project No.	NCEM17-0002
Drawing No.	A52-01-02



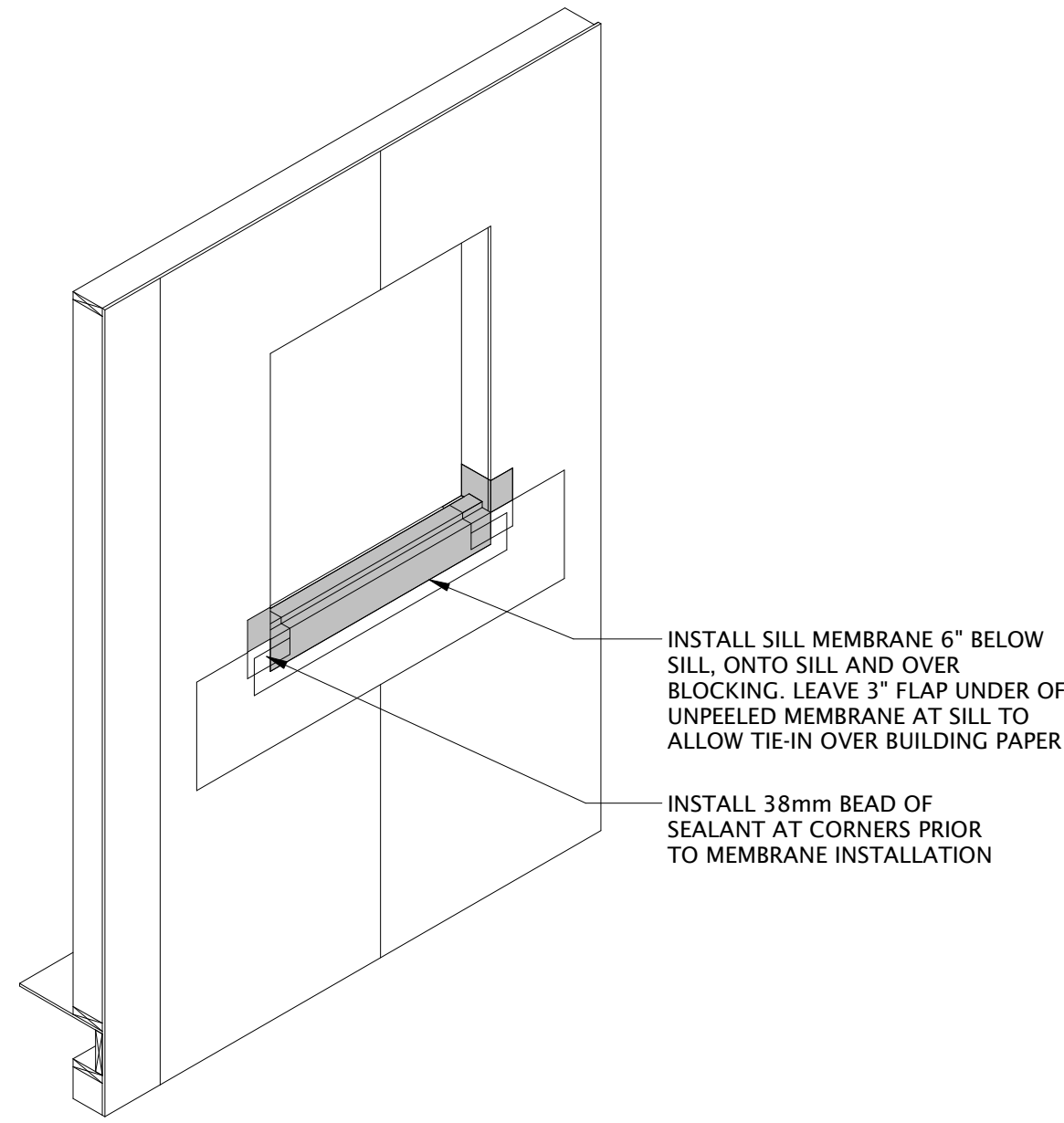
1 STEP 1: WOOD BLOCKING
A55-00-01 N.T.S.



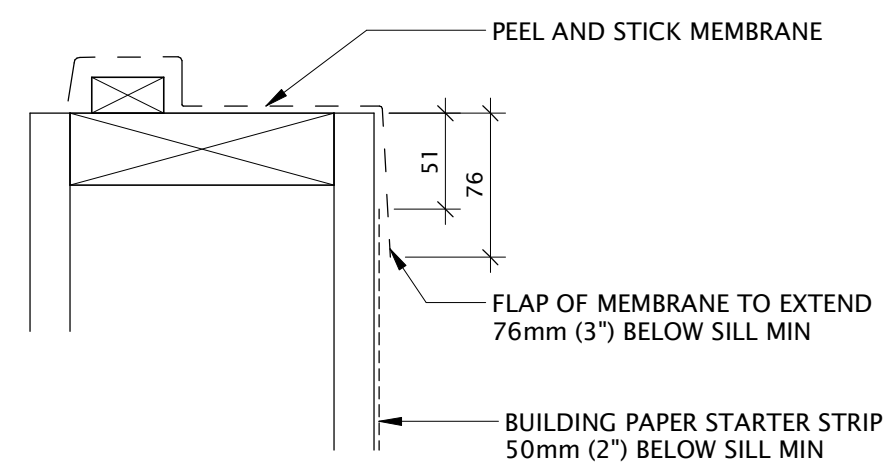
1A SECTION
A55-00-01 N.T.S.



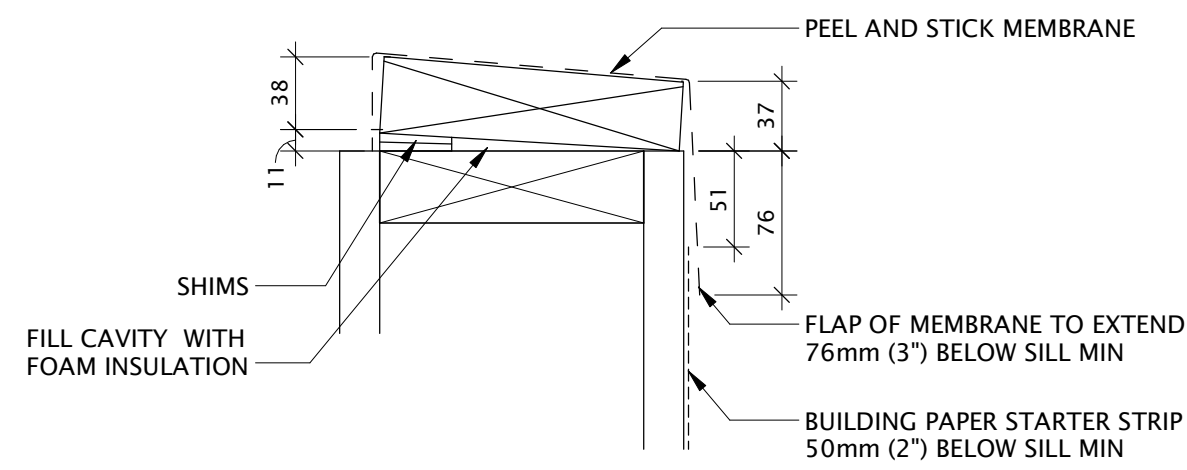
2 STEP 2: PEEL & STICK AT GUSSETS
A55-00-01 N.T.S.



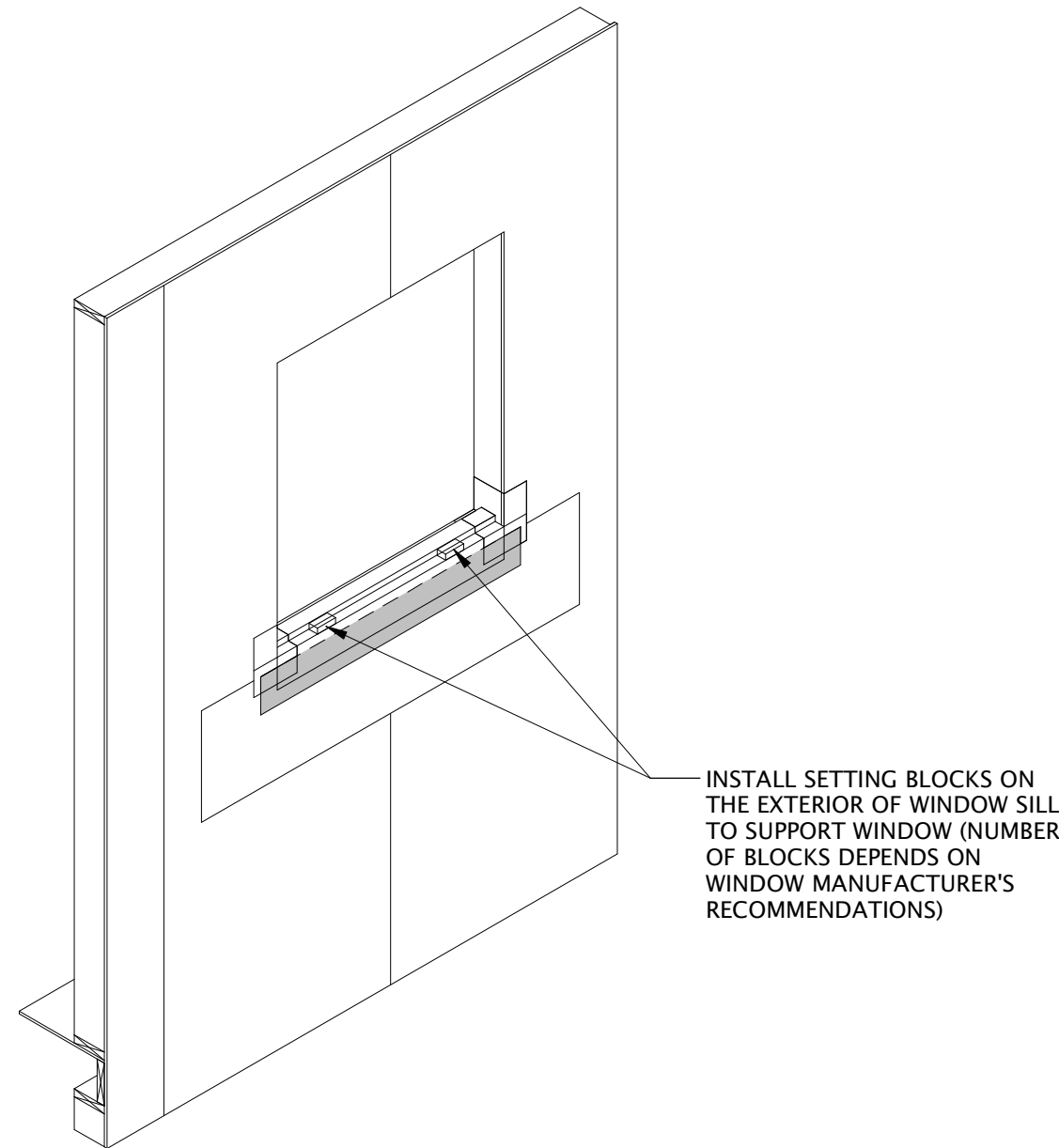
3 STEP 3: SILL MEMBRANE
A55-00-01 N.T.S.



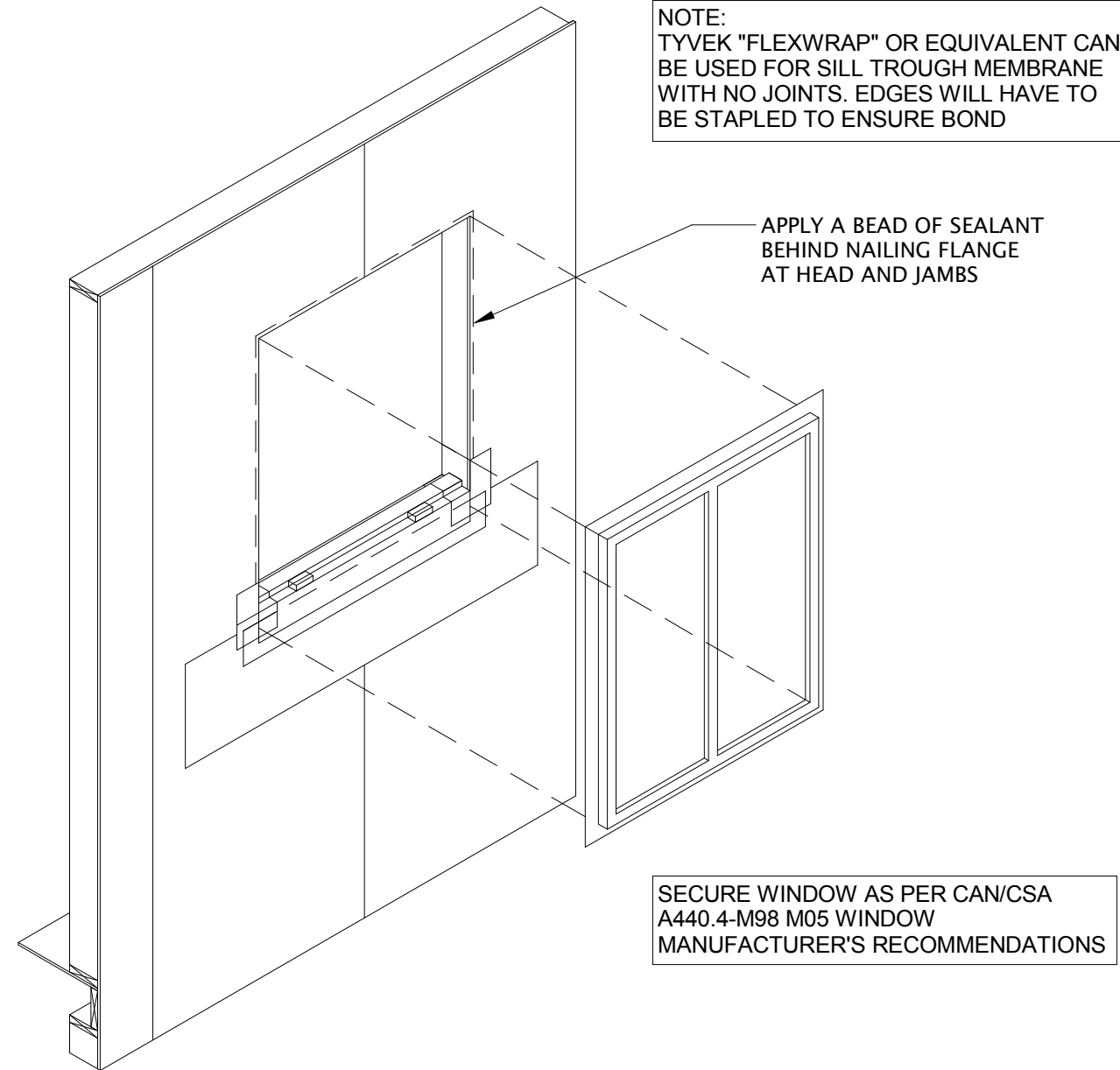
13 SECTION
A55-00-01 N.T.S.



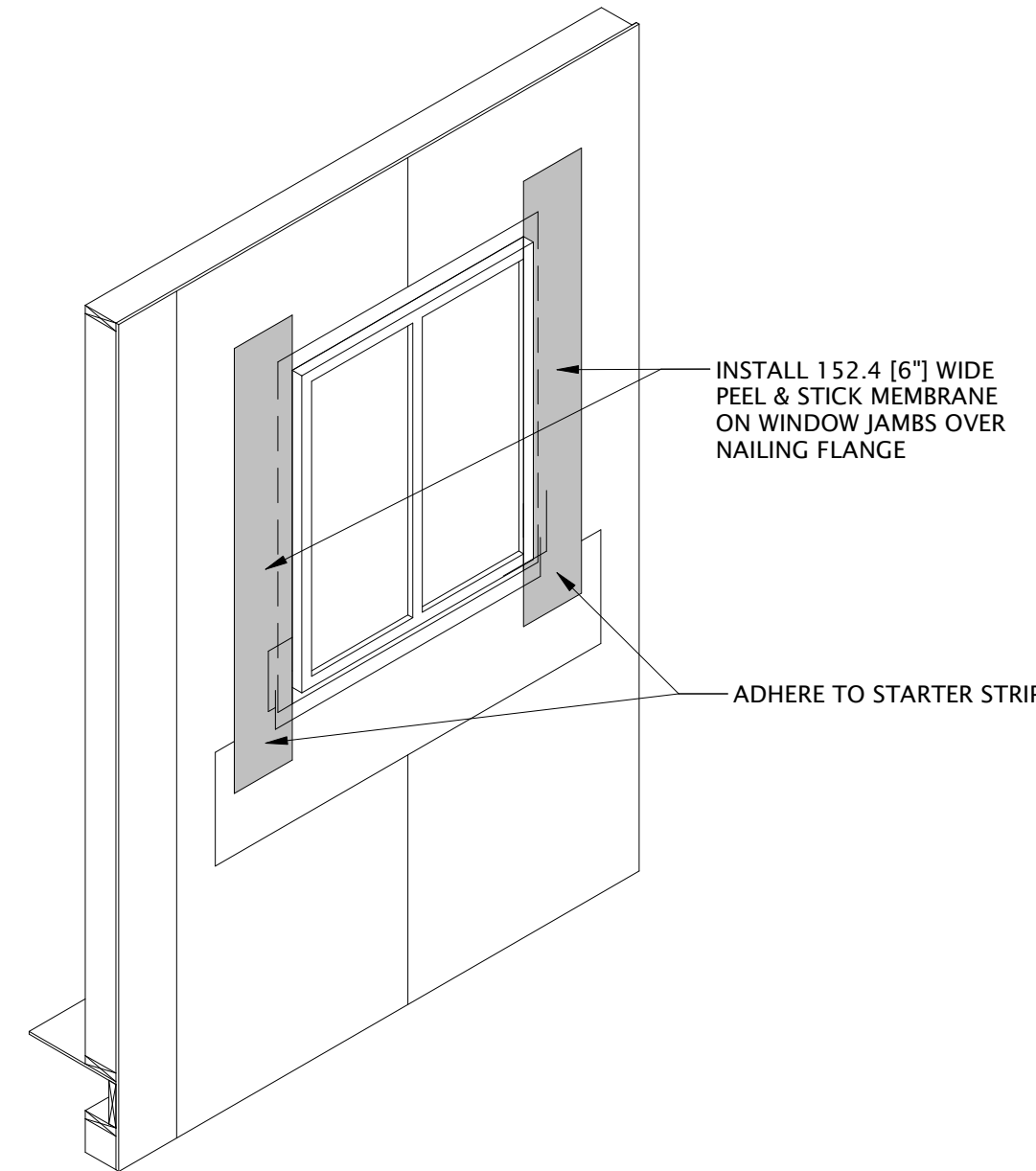
14 ALTERNATE SECTION
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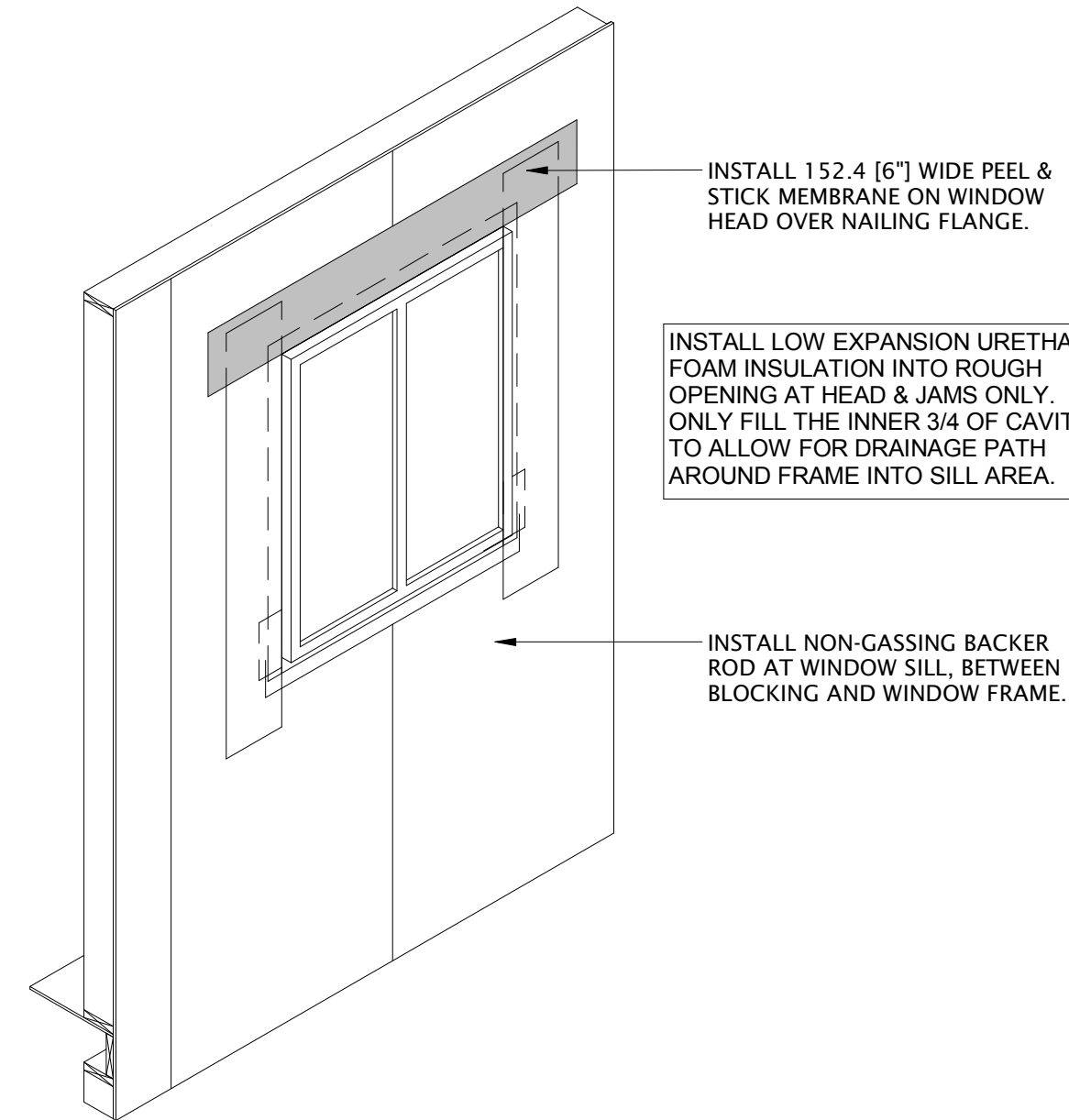
4 STEP 4: INSTALL BLOCKING
A55-00-01 N.T.S.



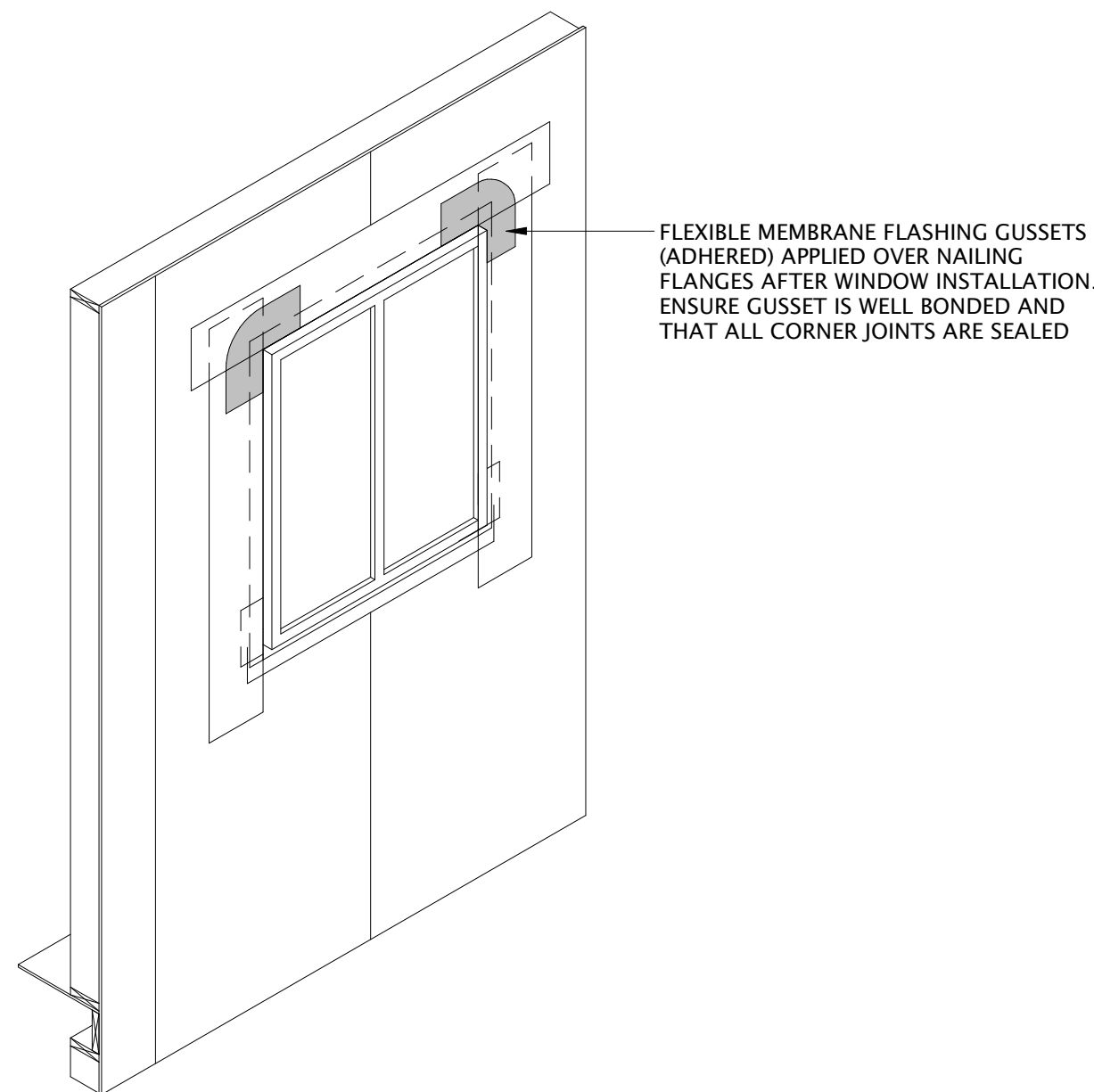
5 STEP 5: INSTALL WINDOW
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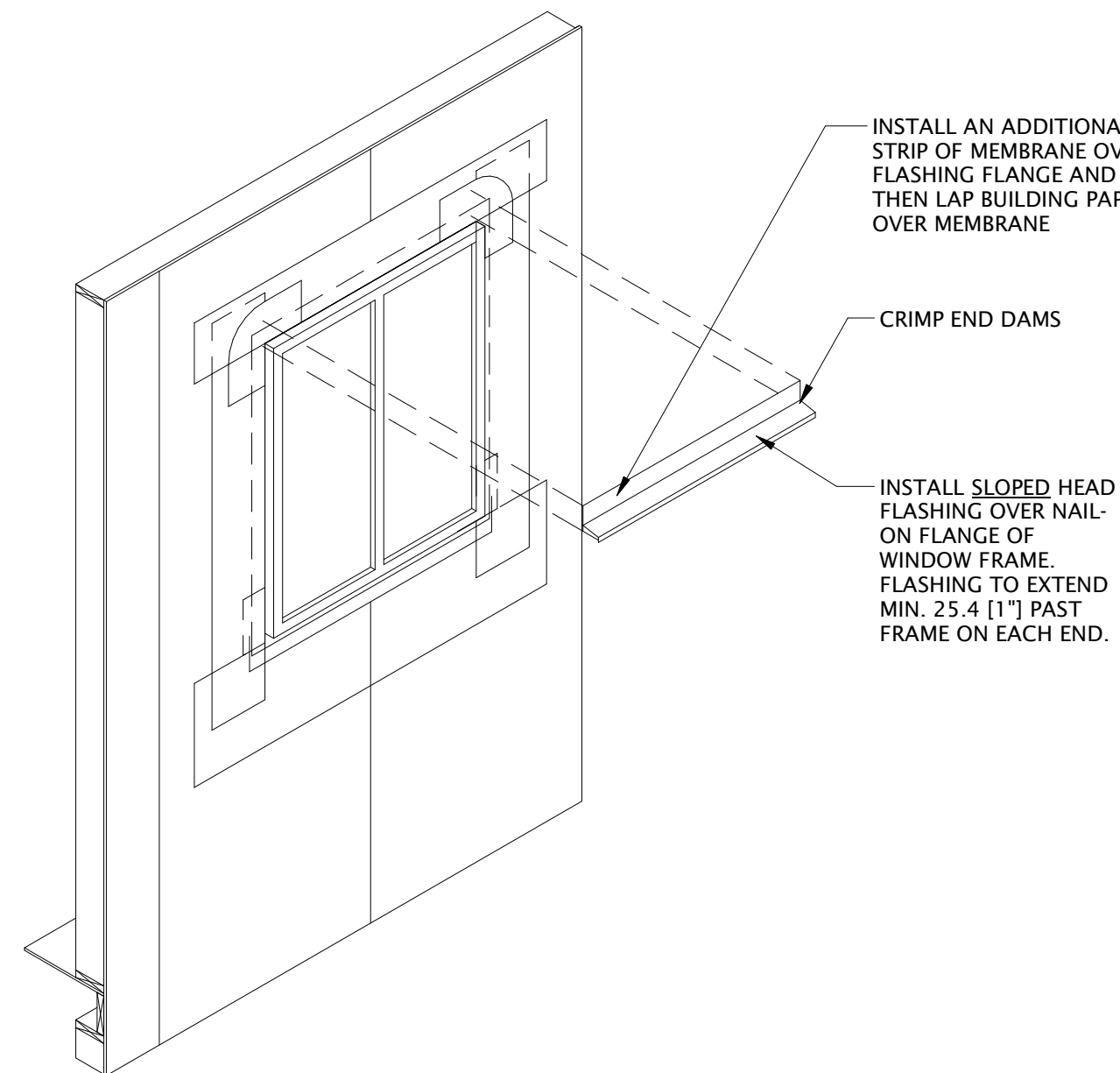
6 STEP 6: JAMB MEMBRANE
A55-00-01 N.T.S.



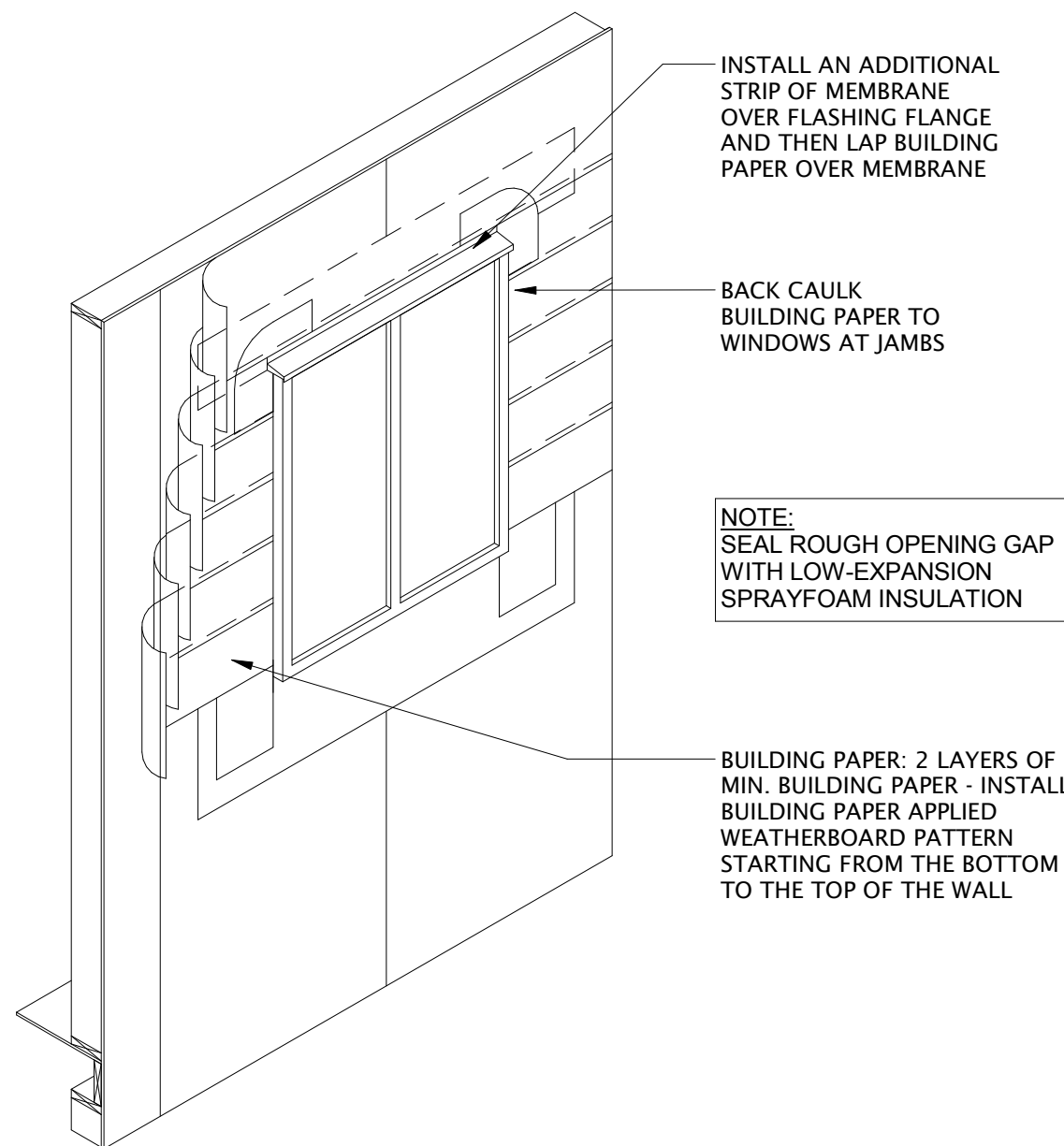
7 STEP 7: HEAD MEMBRANE
A55-00-01 N.T.S.



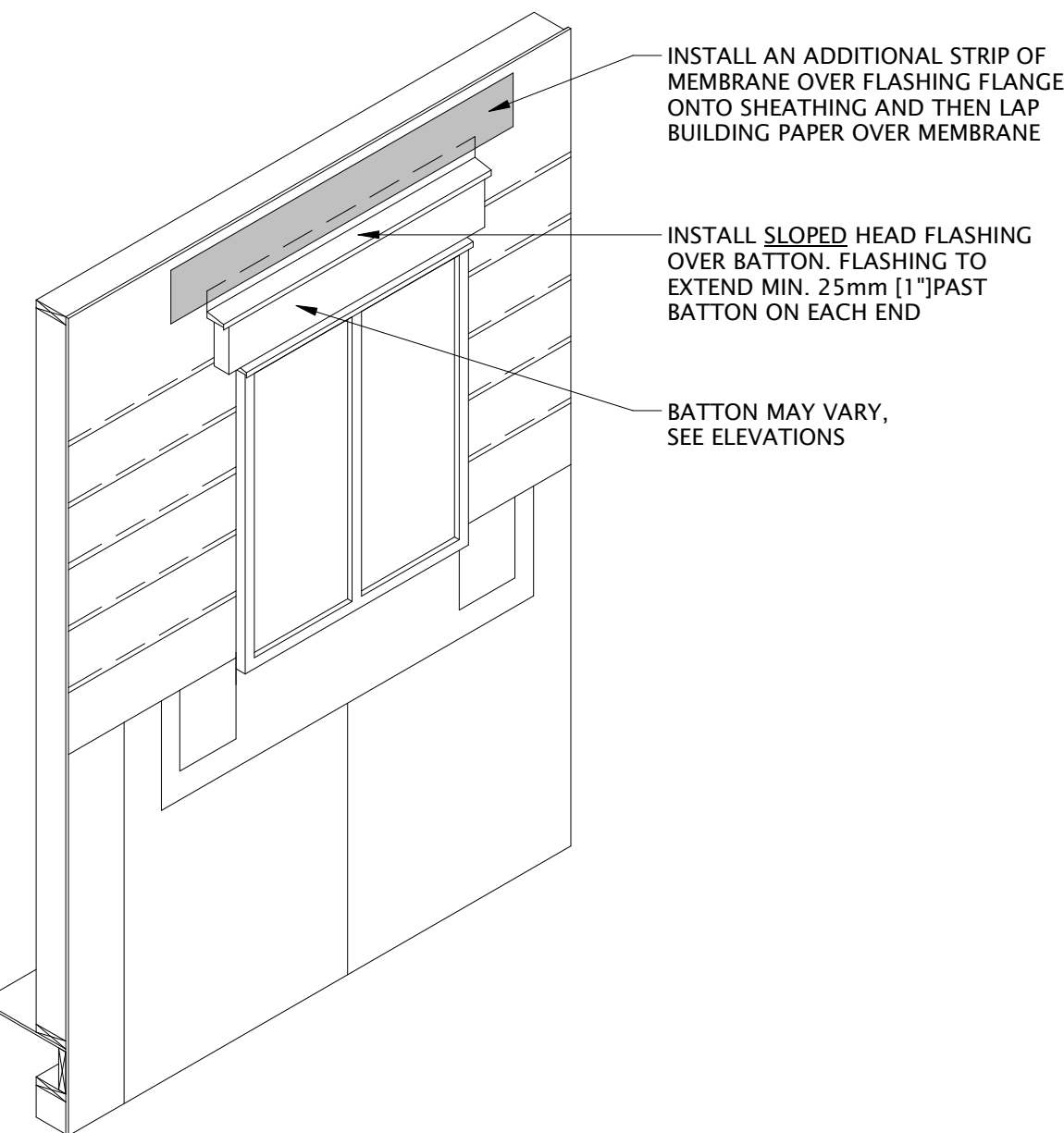
8 STEP 8: CORNER MEMBRANE
A55-00-01 N.T.S.



9 STEP 9: HEAD FLASHING
A55-00-01 N.T.S.



10 STEP 10: BUILDING PAPER APPLICATION
A55-00-01 N.T.S.



11 STEP 11: FLASH, WATERPROOF & BUILDING PAPER OVER BATTONS
A55-00-01 N.T.S.

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

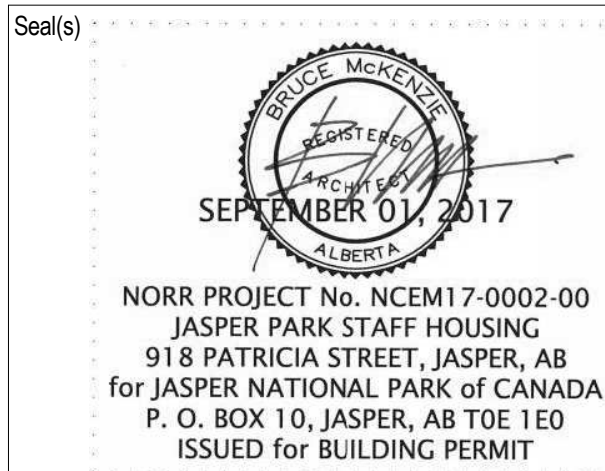
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Project Component

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



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Ronald M. Troch, Architect, AAA, S.Arch, MABEC
A. David Sedelmeier, Architect, AAA, S.Arch, MABEC
Alicia L. Loefer, P.Eng., APEGA

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

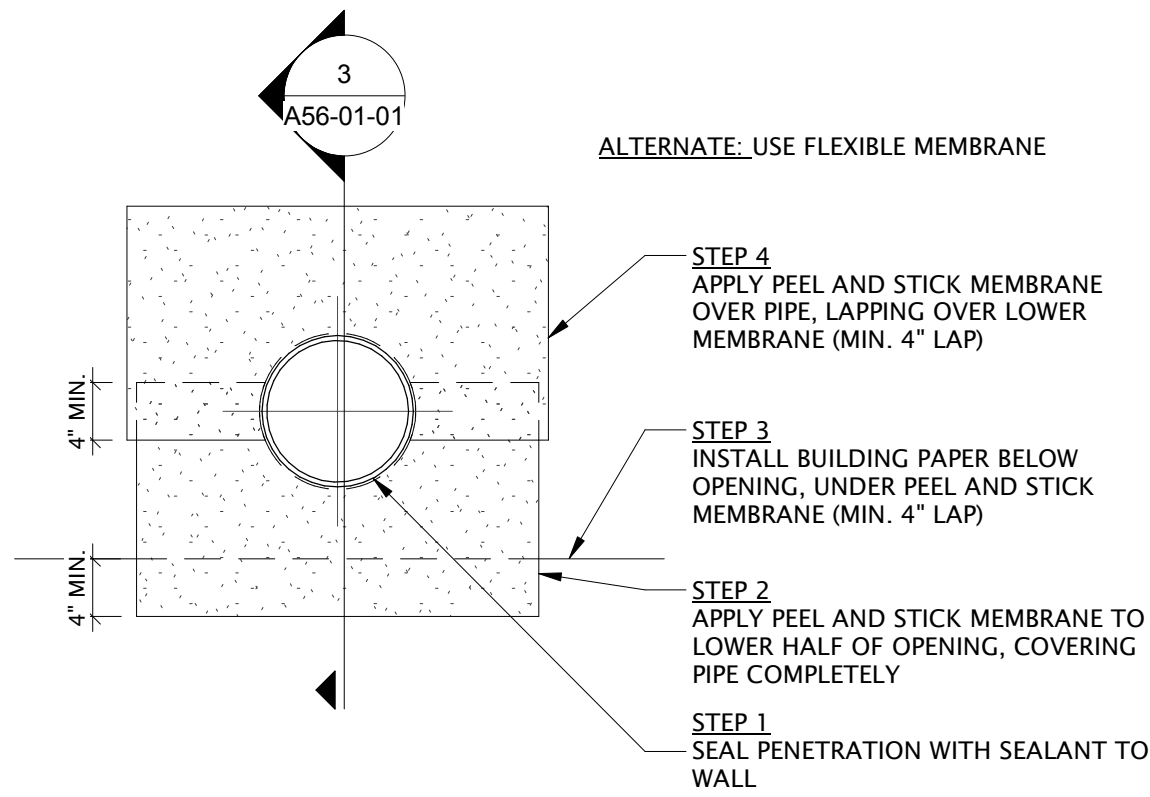
918 Patricia Street
JASPER, AB

Drawing Title
WINDOW INSTALLATION DETAIL

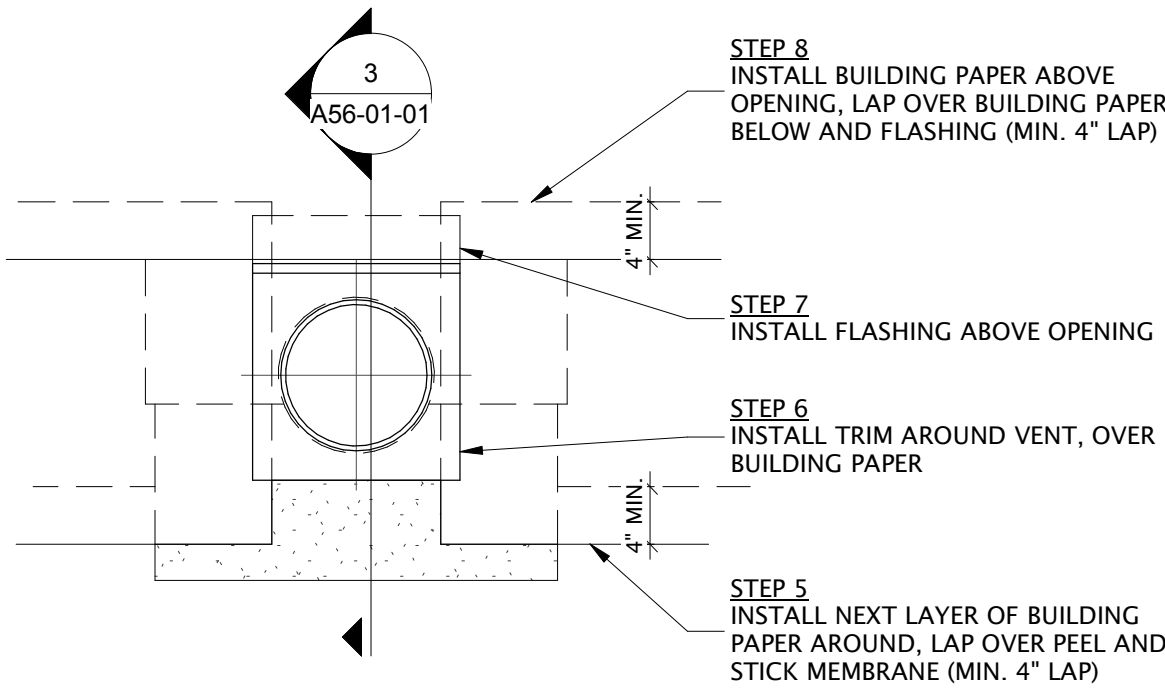
Scale

Project No. NCEM17-0002

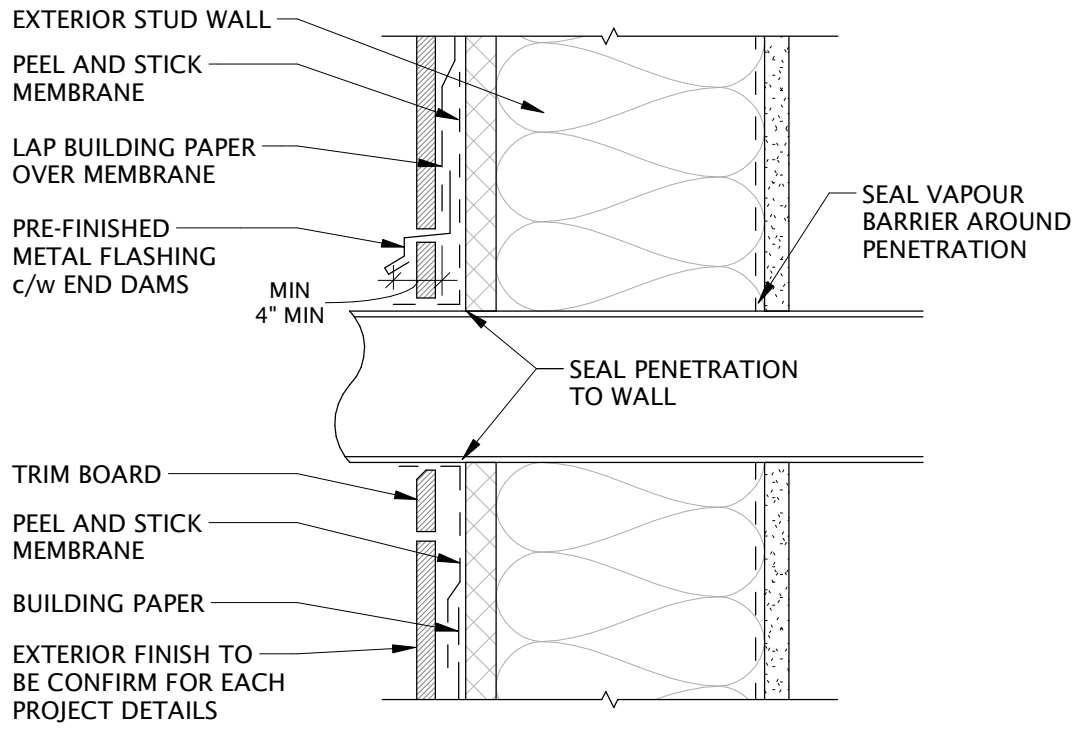
Drawing No. **A55-00-01**



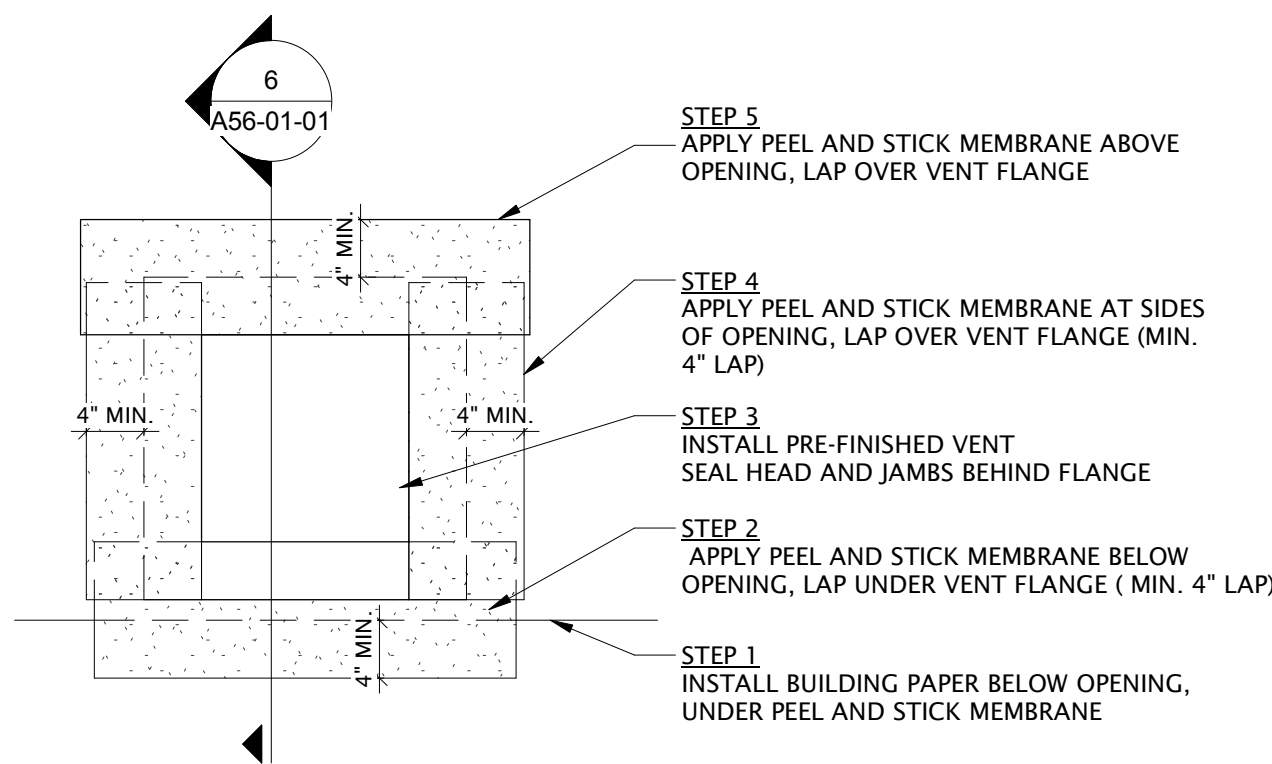
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PENETRATION ROUND-STAGE 1
SCALE: 1 : 12



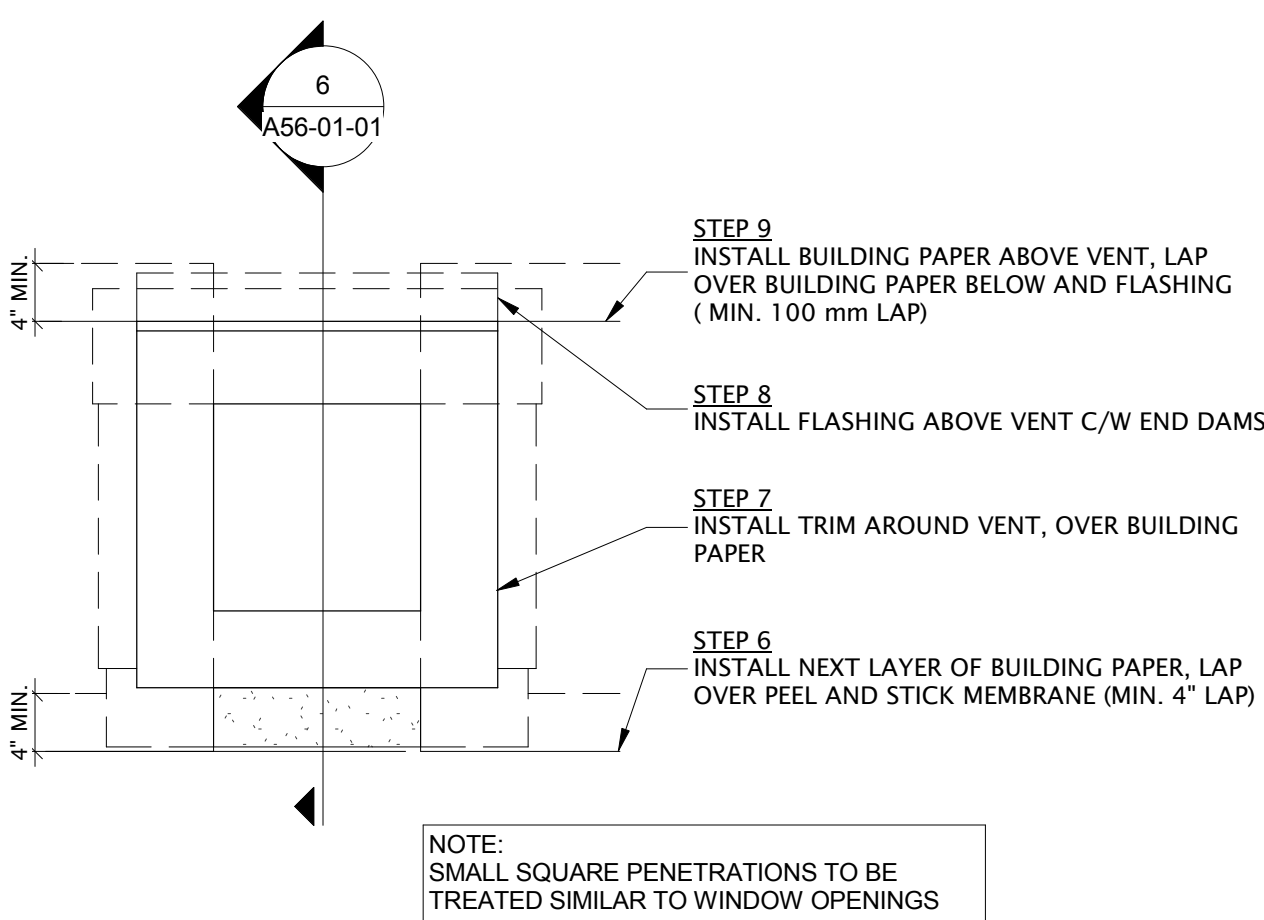
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PENETRATION ROUND-STAGE 2
SCALE: 1 : 12



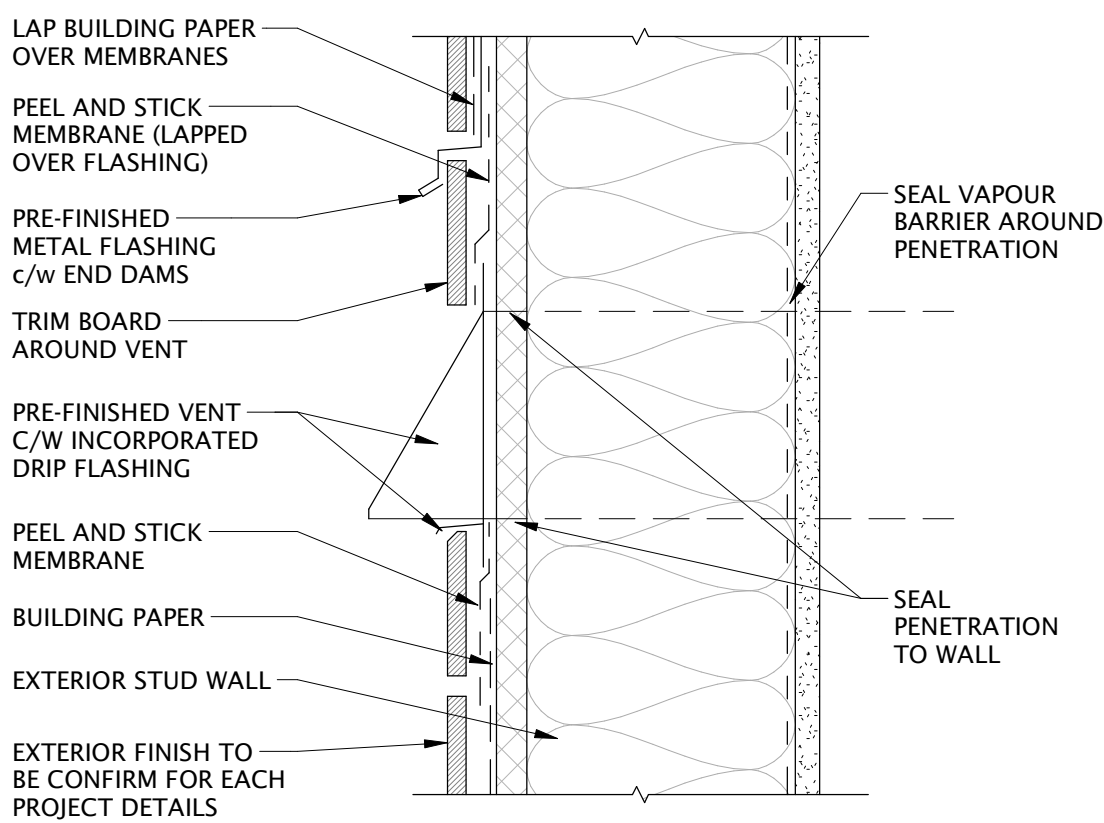
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A56-01-01
PENETRATION ROUND-SECTION
SCALE: 1 : 12



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



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



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

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

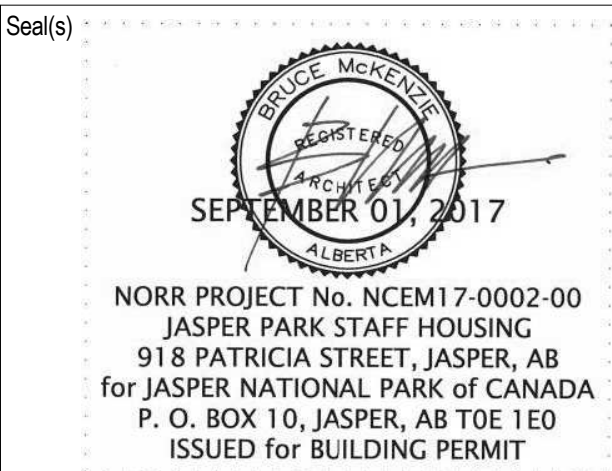
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Alicia Tordella, P.E., A.P.E.C.A.
Chris Van Pelt, A.P.E.C.A.

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
MISCELLANEOUS DETAILS

Scale

Project No. NCEM17-0002

Drawing No. A56-01-01