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NORR
ARCHITECTS ENGINEERS PLANNERS

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JASPER PARK STAFF HOUSING

918 Patricia Street & 910 Patricia Street
JASPER, AB

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

ISSUED FOR TENDER - 2017/08/15

| | | | |
|--|--|---|--|
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| MECHANICAL NORR Architects Engineers Planners 2300, 411 - 1st Street SE Calgary, AB T2G 4Y5 PHONE: 403-264-4000 | ELECTRICAL NORR Architects Engineers Planners 2300, 411 - 1st Street SE Calgary, AB T2G 4Y5 PHONE: 403-264-4000 | INTERIORS | LANDSCAPE NORR Architects Engineers Planners 2300, 411 - 1st Street SE Calgary, AB T2G 4Y5 PHONE: 403-264-4000 |

| | |
|-------------------|-----|
| Project Component | FOR |
| 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

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

PARKS CANADA AGENCY
Jasper National Park, Jasper, AB

Project

**JASPER PARK STAFF
HOUSING**

918 Patricia Street & 910 Patricia Street
JASPER, AB

DRAWING LIST

Scale _____

Project No. NCEM17-0002

Drawing No. A00-00-01

MECHANICAL

| | |
|-----------|-----------------------------------|
| S01-00-01 | GENERAL NOTES |
| S01-00-02 | GENERAL NOTES |
| S02-00-01 | TYPICAL DETAILS |
| S02-00-02 | TYPICAL DETAILS |
| S02-00-03 | TYPICAL DETAILS |
| S20-01-01 | FOUNDATION AND MAIN FLOOR FRAMING |
| S20-02-01 | 2ND FLOOR AND ROOF FRAMING |
| S50-00-01 | SECTIONS |
| S50-00-02 | SECTIONS |

| | |
|-----------|---|
| M00-01-01 | MECHANICAL LEGEND, SCHEDULES AND DRAWING LIST |
| M01-00-01 | MECHANICAL DETAILS |
| M10-00-01 | MECHANICAL SITE PLAN |
| M20-00-01 | MECHANICAL FOUNDATION, BASEMENT PLUMBING AND FIRE PROTECTION PLAN |
| 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 |
| M53-00-01 | BASEMENT AND MAIN FLOOR HEATING PLAN |
| M53-01-01 | SECOND FLOOR HEATING PLAN |
| M70-01-01 | MECHANICAL DIAGRAMS |

LANDSCAPE

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

L01-00 LANDSCAPE PLAN
L02-00 LANDSCAPE DETAILS

| 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 | VP | 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: N/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" (860 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'-4 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 60"

1/2" G.W.B. OR 1/2" 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 - (9.11.2.1.1)

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 UL 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 3" (76mm) FROM THE ADJACENT WALL, UNLESS NOTED OTHERWISE.

12. ALL DOOR OPENINGS IN CONCRETE OR CONCRETE BLOCK WALLS TO BE 4" (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 MANUFACTURE 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 (8" MIN. RETURN ON WALLS & 16" 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.

| DATE | ISSUED FOR | REV |
|------------|--------------------|-----|
| 2017-06-28 | DEVELOPMENT PERMIT | A |
| 2017-08-15 | TENDER | B |

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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 | |
| Civil: | McHanney 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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A. David Selinger, Architect, AAA, S.Arch, MABEC
Arlene Tordella, P.Eng., APESCA
Chris Poir, 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 & 910 Patricia Street
JASPER, AB

Drawing Title

GENERAL NOTES & BUILDING CODE REVIEW

Scale As indicated

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 SCREW) 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 US OF STRUCTURE UNLESS NOTED OTHERWISE. 2. FOR STUD SPACING, UNTEL 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 | | W1 - TYPICAL 140 EXTERIOR WALL (ABC TABLE A.9.10.3.1.A WALL EW1A) NON-RATED | | P1 - PARTY WALL 1.0HR F.R.R. STC 57 (ABC TABLE A.9.10.3.1.A WALL W13A) | | R1- TYP. OPEN TRUSS ROOF | |
| F1A - EXTERIOR PATIO SLAB | | W2 - TYPICAL 140 EXTERIOR STONE WALL CONSTRUCTION | | P2 - 92 INTERIOR STUD WALL | | R2- TYP. NON-VENTED ROOF | |
| F2 - TYPICAL FLOOR (1 HR F.R.R.) | | W3 - FOUNDATION/BSMT WALL | | P3 - 140 INTERIOR STUD WALL | | R3- PORCH ROOF | |
| F3 - TYPICAL STAIR LANDING | | W4 - FOUNDATION/BSMT WALL - STONE FINISH | | P4 - 140 INTERIOR STUD WALL - PLUMBING | | | |
| F4 - TYPICAL EXTERIOR WOOD DECK | | W5 - FOUNDATION/BSMT WALL | | P5 - 140 CORRIDOR WALL | | | |
| | | W6 - FOUNDATION - STONE FINISH | | P6 - 140 INTERIOR FURRING WALL - PLUMBING | | | |
| | | W7 - FOUNDATION | | P7 - 140 INTERIOR STUD WALL (1 HOUR) | | | |
| | | W8 - 140 PRIVACY SCREEN | | P8 - 116 SHAFT WALL (1 HOUR) | | | |

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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 |
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| Electrical: | NORR Architects Engineers Planners |

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Ronald M. Troch, Architect, AAA, S.Arch, MABEC
Philip McHanney, Architect, AAA, S.Arch, MABEC
A Group of Companies: Architect, AAA, S.Arch, MABEC
Asian Tenders, Planning, Africa
China Part, P.Eng., APECIA

| | |
|-----------------|----------|
| 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 & 910 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 | | | REMARKS |
| | | WIDTH | HEIGHT | THICKNESS | TYPE | MATERIAL | FINISH | TYPE | MATERIAL | FINISH | |
| D01 | MAIN ENTRY | 914 | 2032 | 50 | 1 | MCW | PF | A | MCW | PF | INS / TG |
| D02 | PATIO/BALCONY | 914 | 2032 | 50 | 2 | MCW | PF | A | MCW | PF | INS / TG |
| 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.

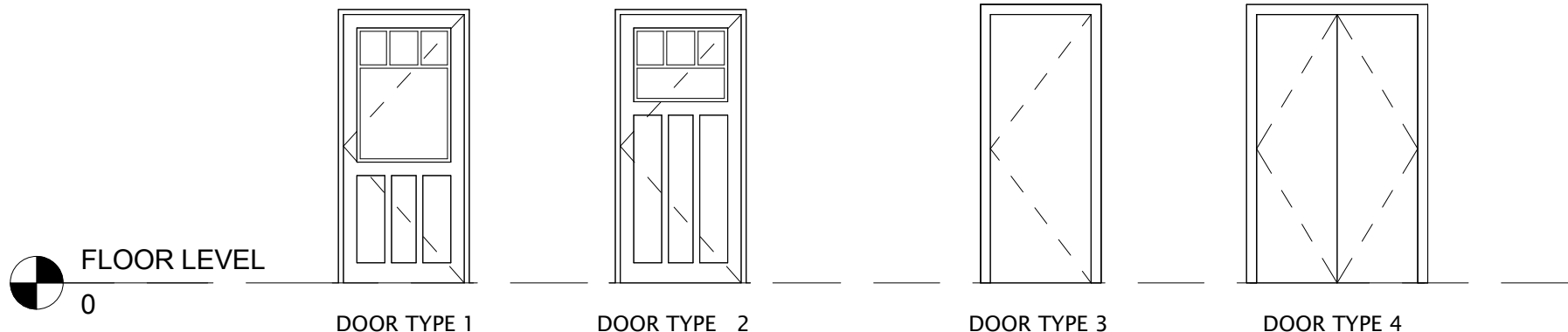
DOOR ABBREVIATIONS

| | |
|------|--------------------|
| 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 |

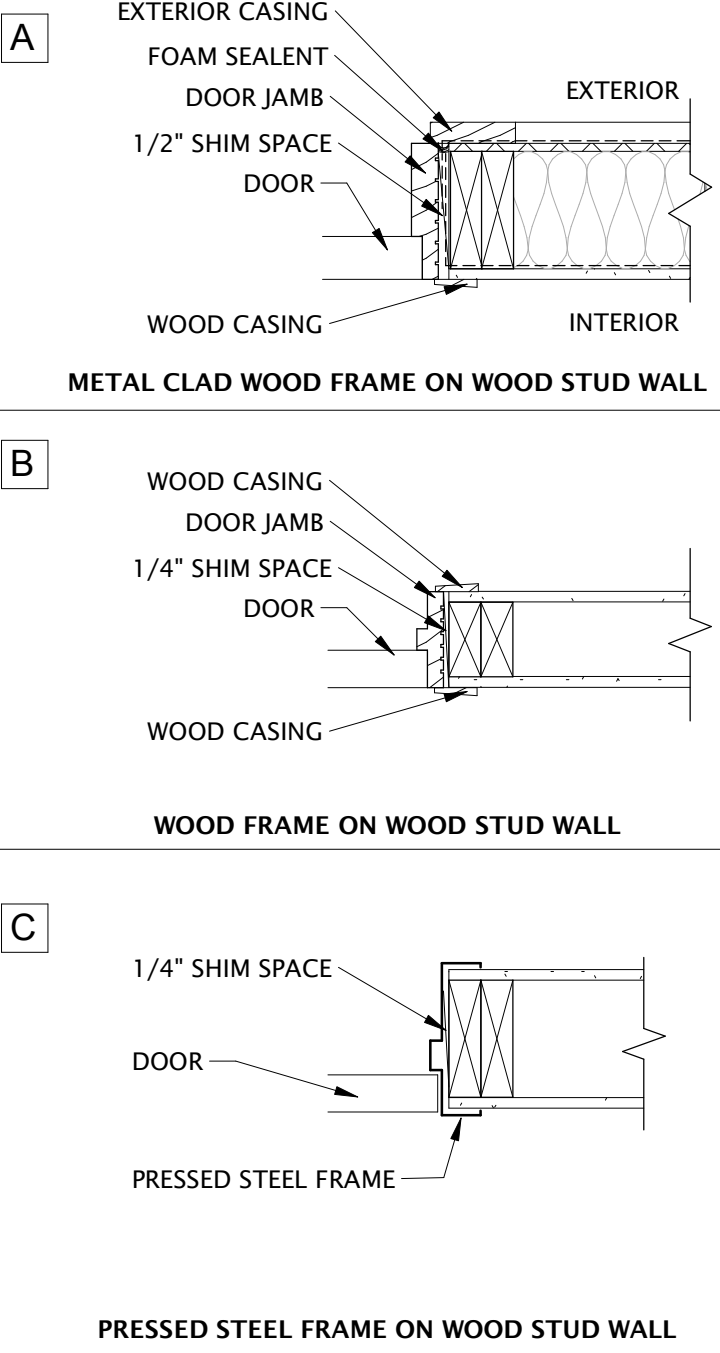
HARDWARE HARDWARE ABBREVIATIONS:

| | | | |
|-----|--|-------|--|
| 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/S6 | 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 | | |

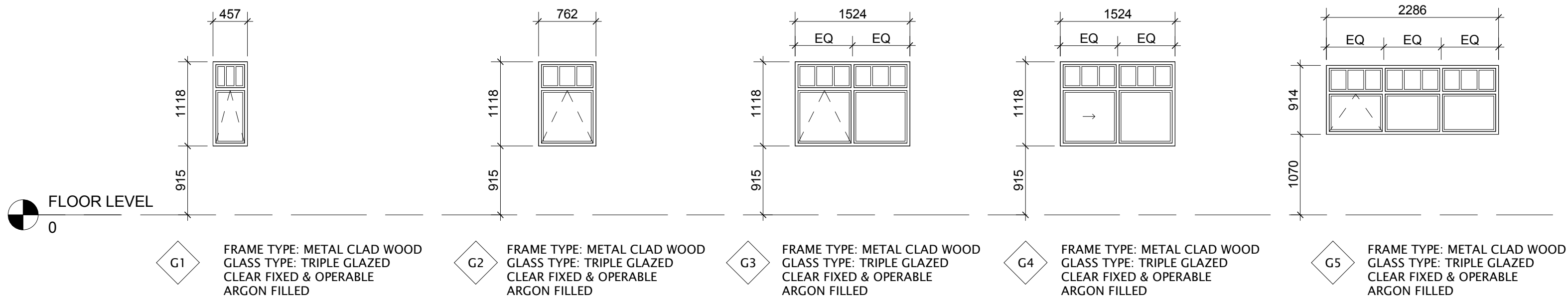
DOOR TYPES



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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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 Poir, P.Eng., APESCA

| | |
|-----------------------|----------------|
| 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 & 910 Patricia Street
JASPER, AB

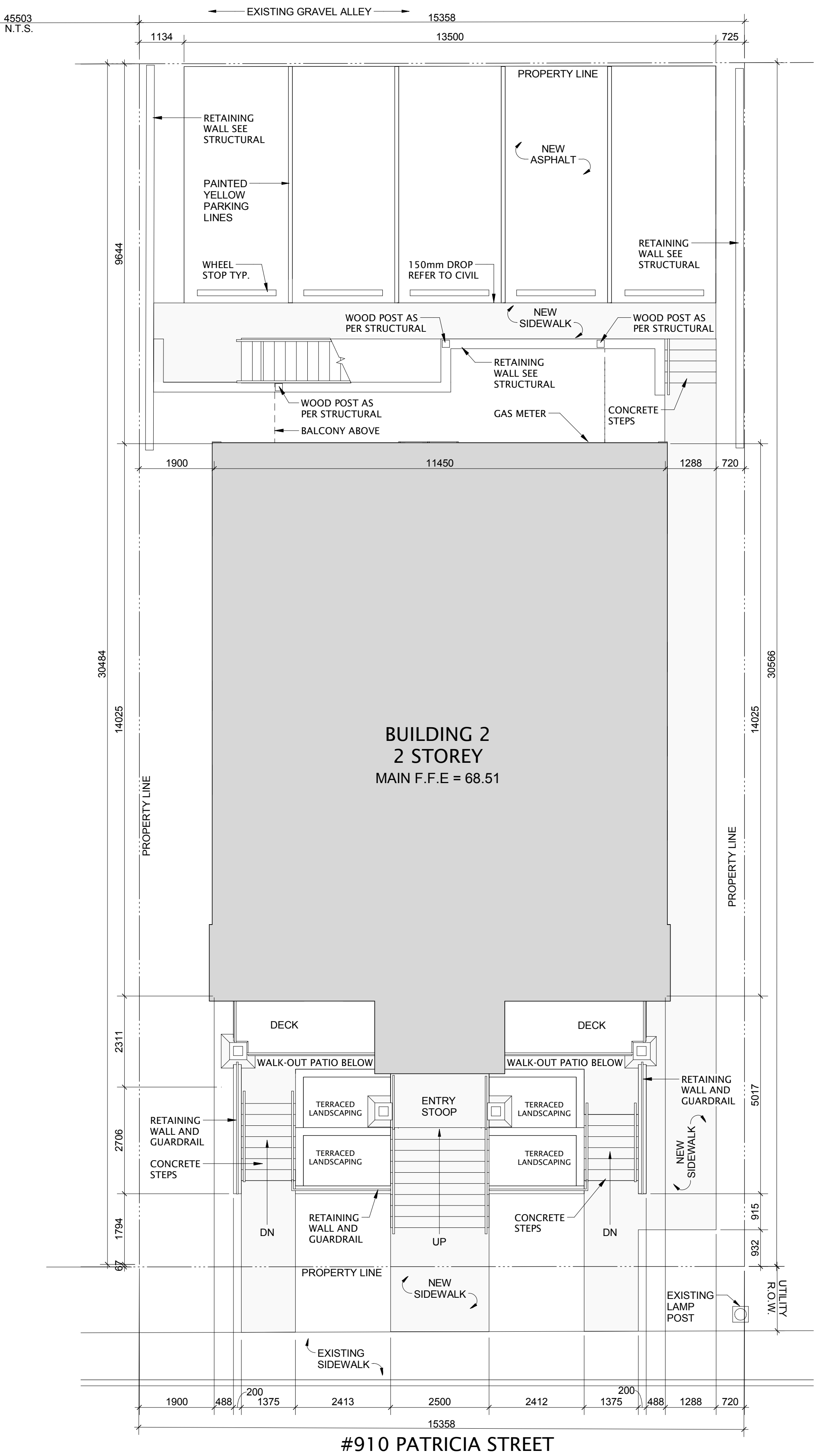
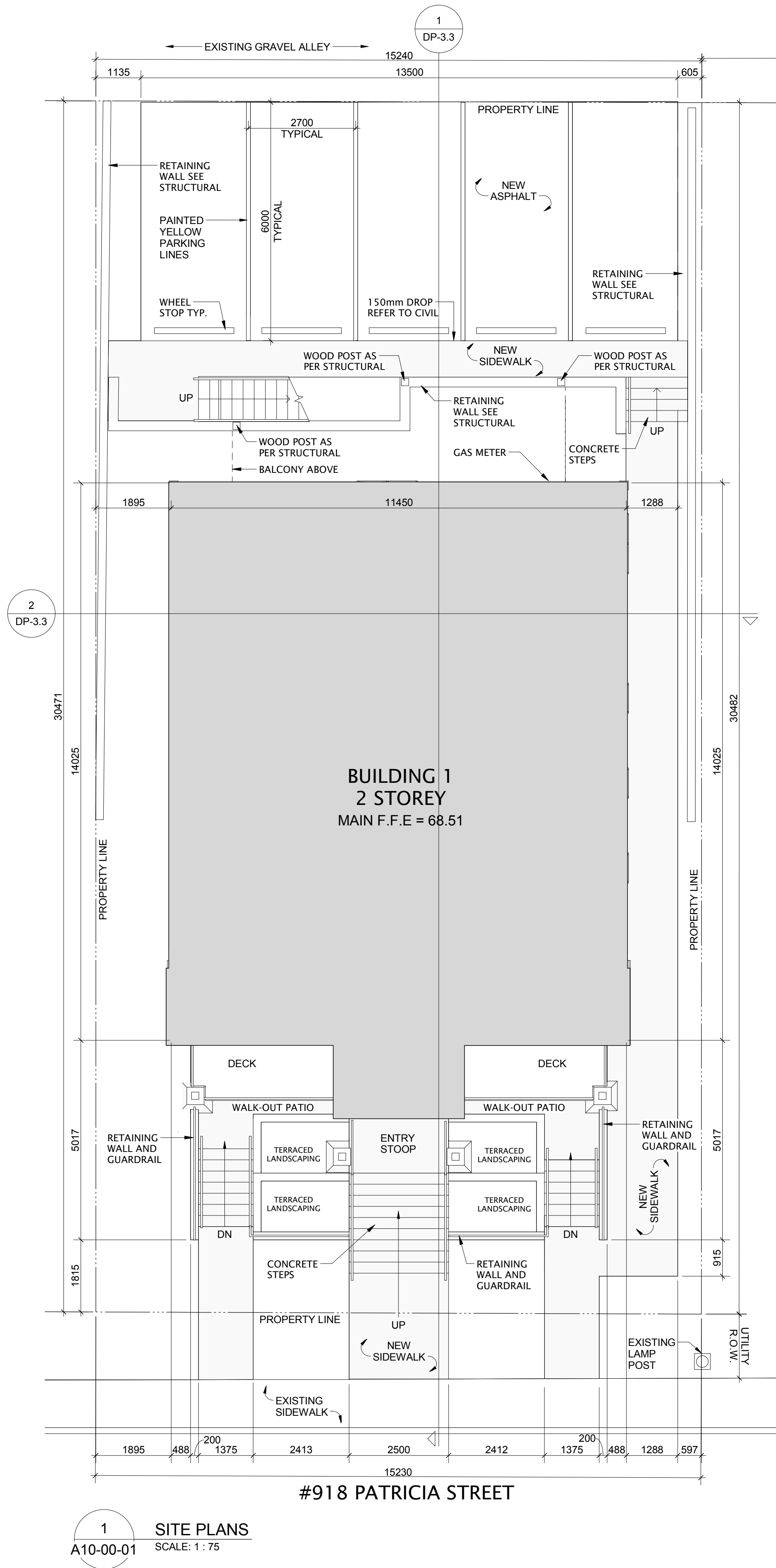
Drawing Title

DOOR SCHEDULE AND WINDOW LEGEND

Scale As indicated

Project No. NCEM17-0002

Drawing No. A02-01-01



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

| | |
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| 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 & 910 Patricia Street
JASPER, AB

Drawing Title

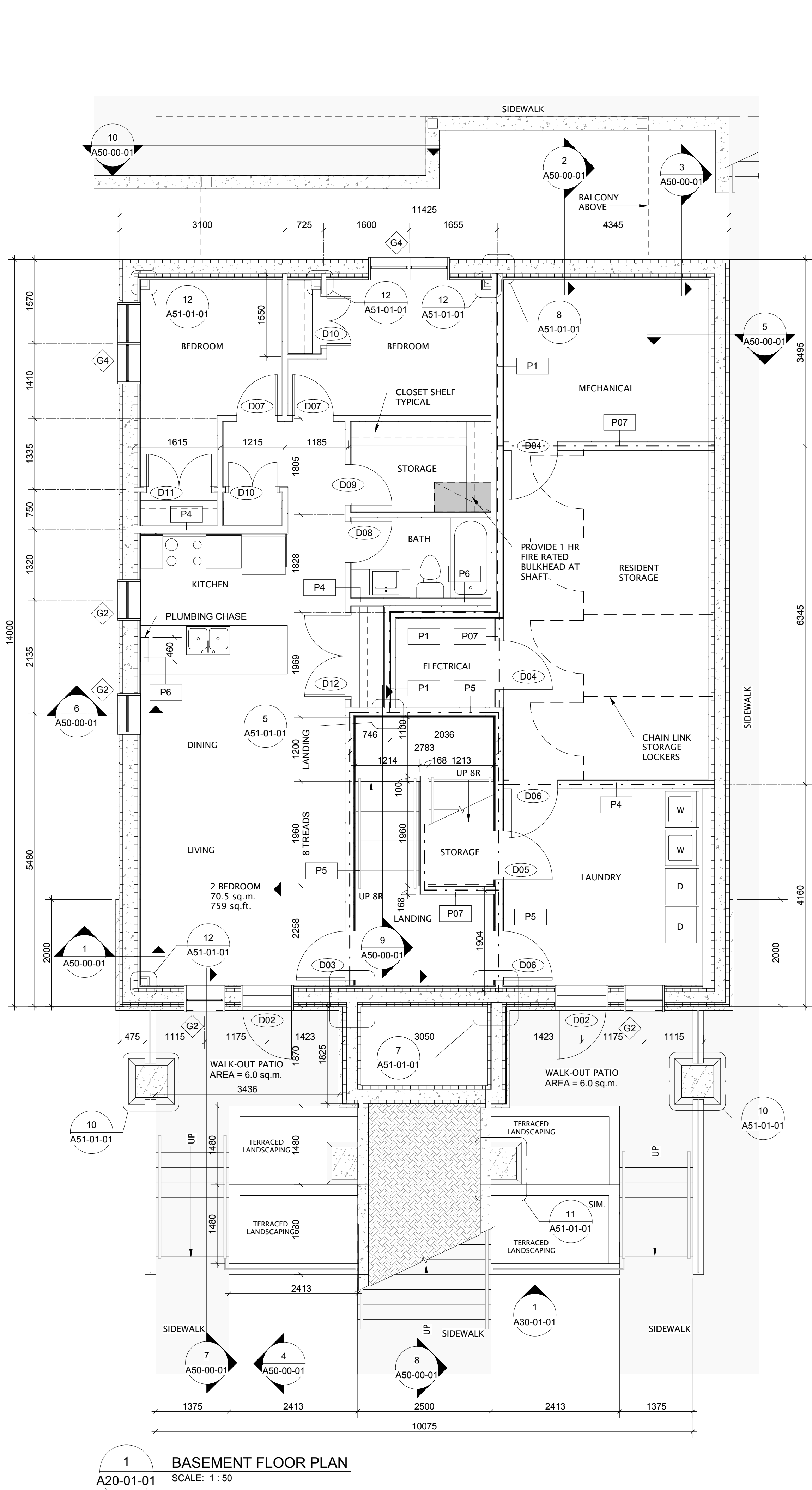
SITE PLANS

Scale 1 : 75

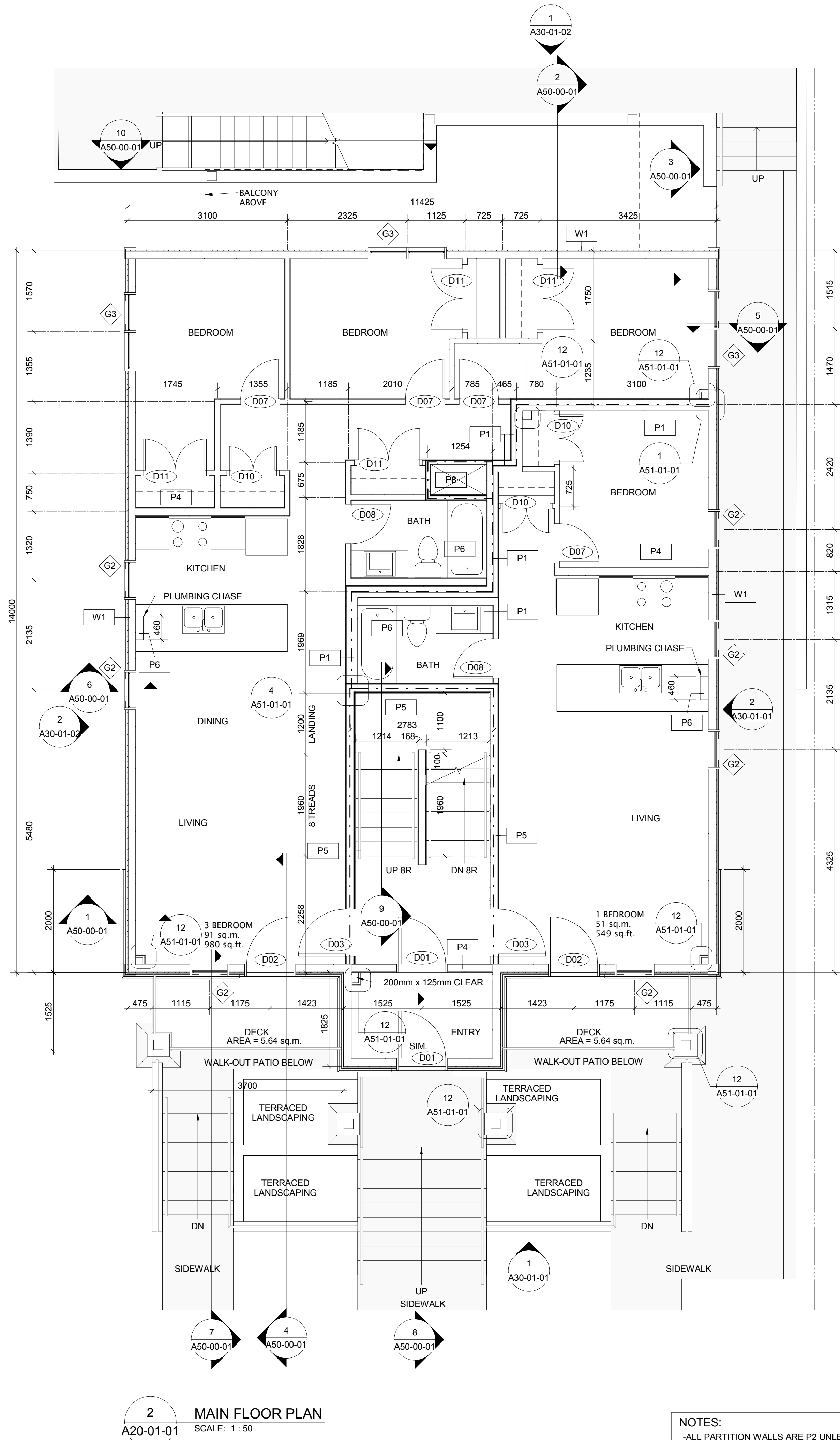
Project No. NCEM17-0002

Drawing No. A10-00-01

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1 BASEMENT FLOOR PLAN
SCALE: 1 : 50
A20-01-01



2 MAIN FLOOR PLAN
SCALE: 1 : 50
A20-01-01

NOTES:
-ALL PARTITION WALLS ARE P2 UNLESS NOTED OTHERWISE
-REFER TO OVERALL FLOOR PLANS FOR ROOF INFORMATION
-REFER TO GENERAL NOTES ON A20-01-01 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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Project Component

Key Plan

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Civil: McHanney Consulting Services Ltd.
Landscape: NORR Architects Engineers Planners
Architecture: NORR Architects Engineers Planners
Structural: NORR Architects Engineers Planners
Mechanical: NORR Architects Engineers Planners
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Arlene 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 TB |
| Project Leader TB | Checked AZ |

PARKS CANADA AGENCY

Jasper National Park, Jasper, AB

Project

JASPER PARK STAFF
HOUSING

918 Patricia Street & 910 Patricia Street
JASPER, AB

Drawing Title

BASEMENT & MAIN FLOOR
PLANS


Scale 1 : 50


Project No. NCEM17-0002

Drawing No. A20-01-01

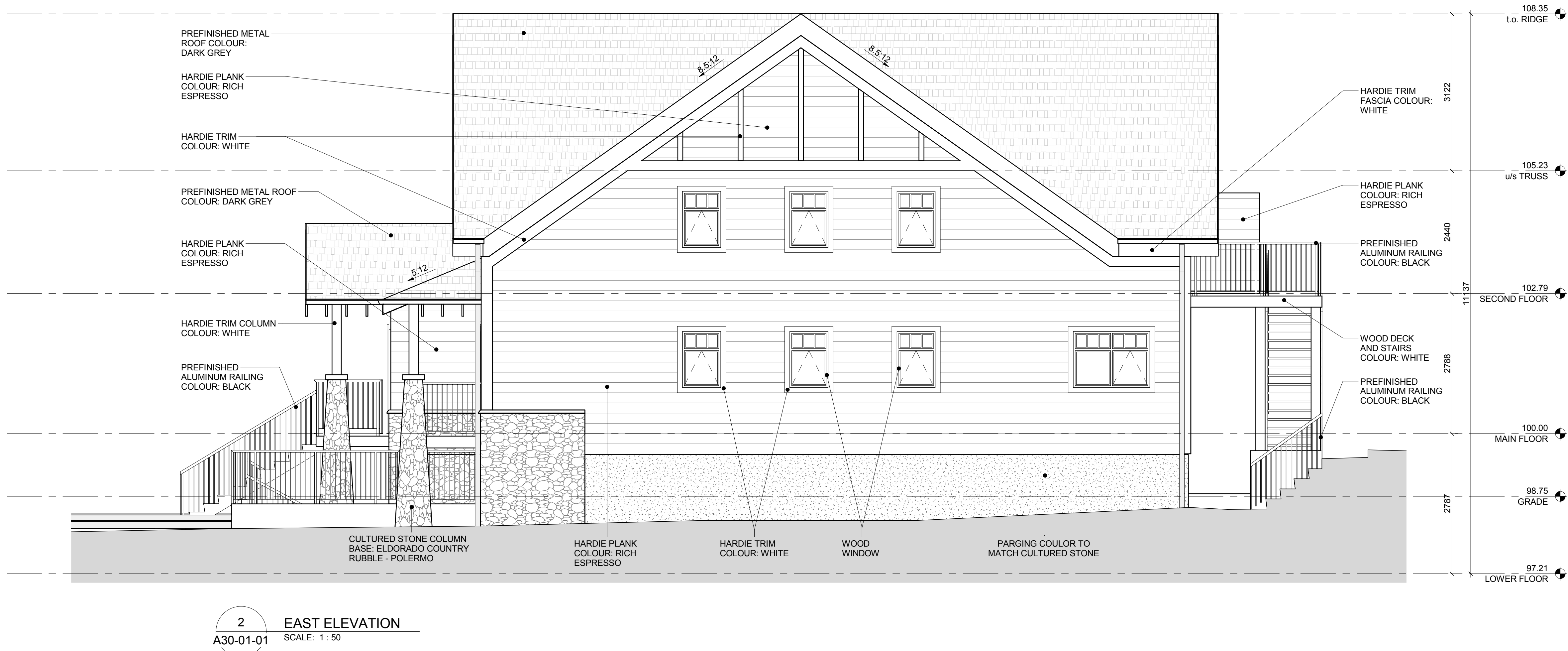


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Drawing No. A20-01-02



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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**

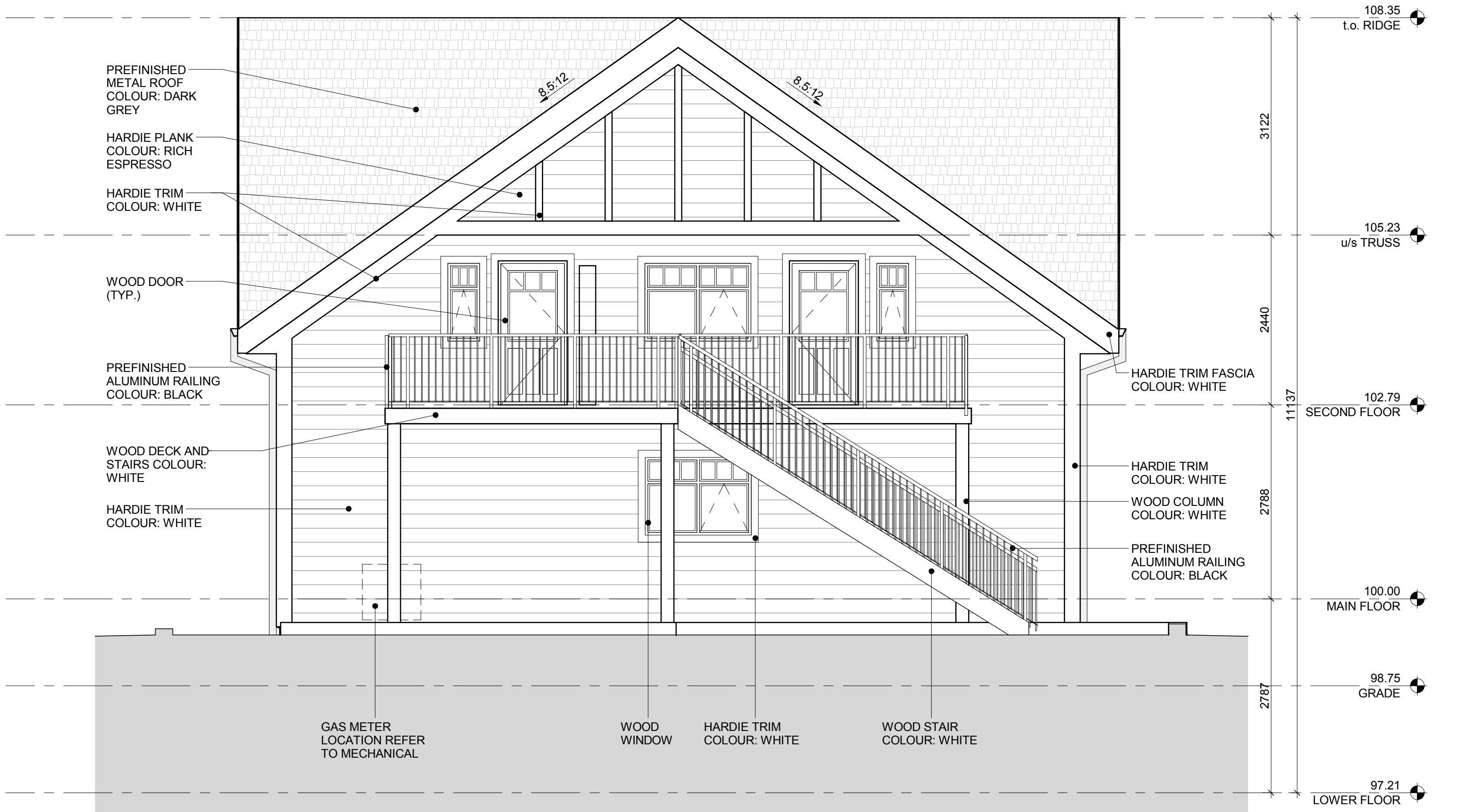
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JASPER, AB

Drawing Title
BUILDING ELEVATIONS

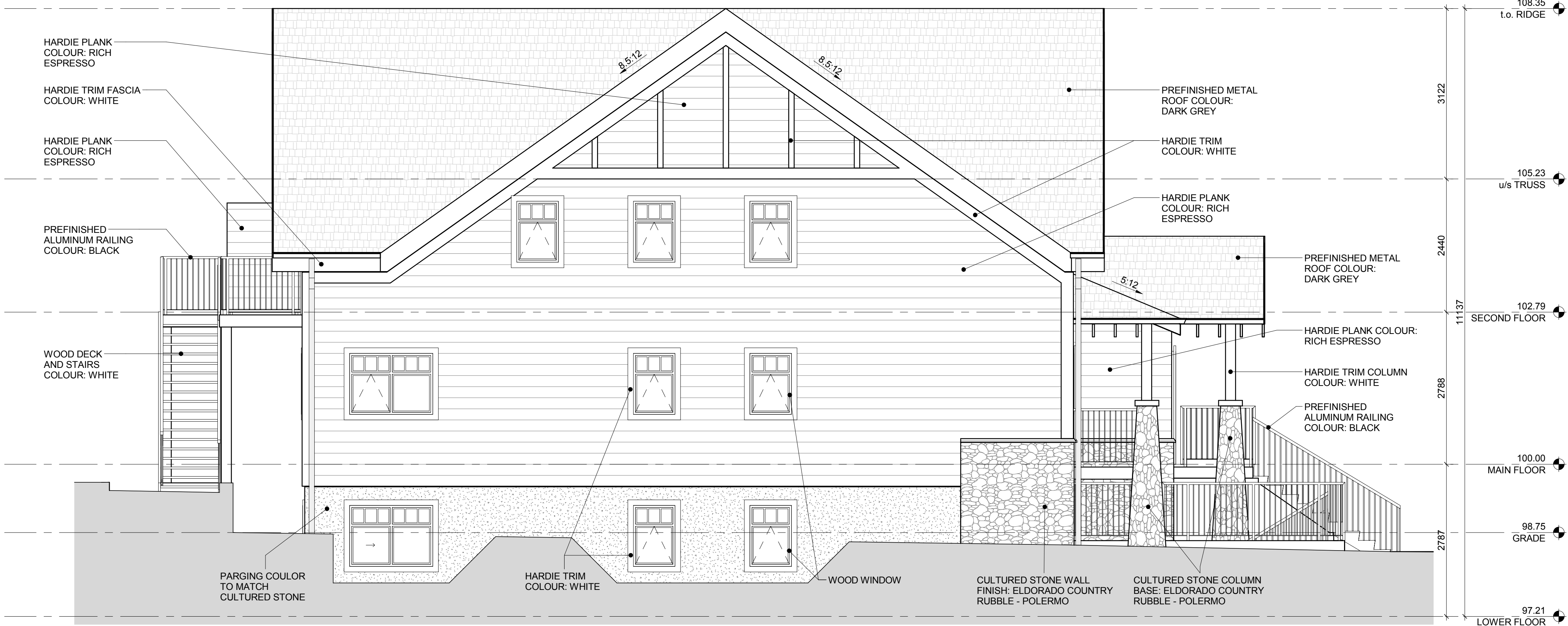
Scale 1 : 50

Project No. NCEM17-0002

Drawing No. **A30-01-01**



1 NORTH ELEVATION
A30-01-02 SCALE: 1 : 50



2 WEST ELEVATION
A30-01-02 SCALE: 1 : 50

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| |
|-------------------|
| Project Component |
| Key Plan |

| | |
|---------------|------------------------------------|
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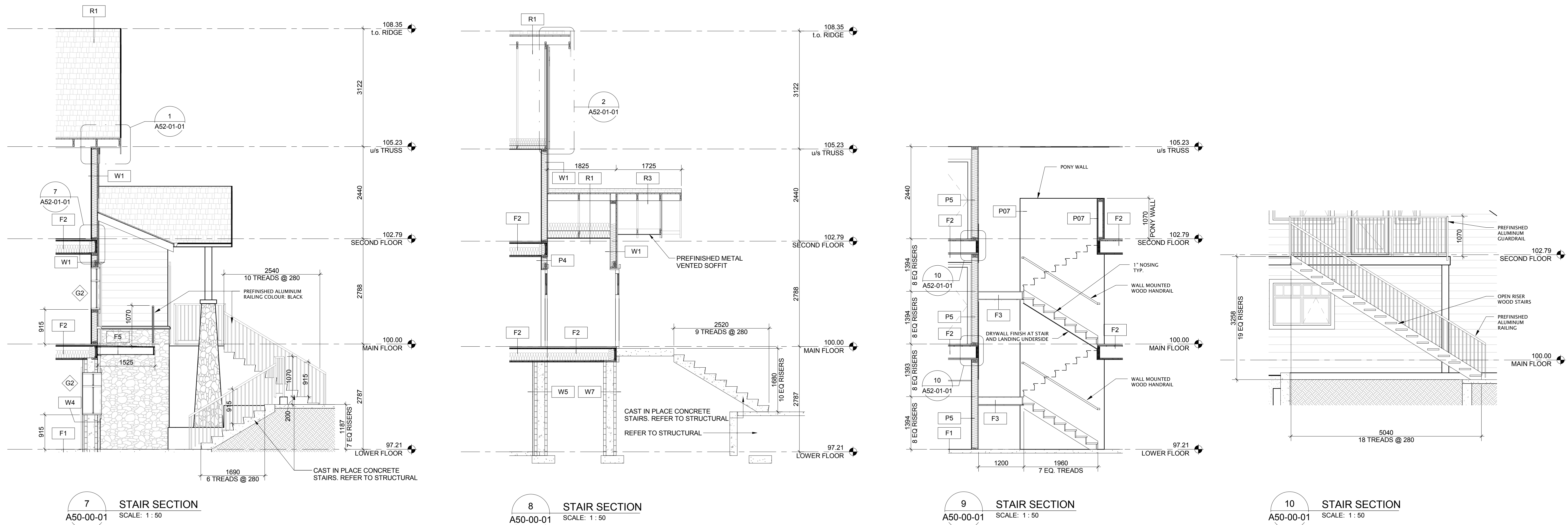
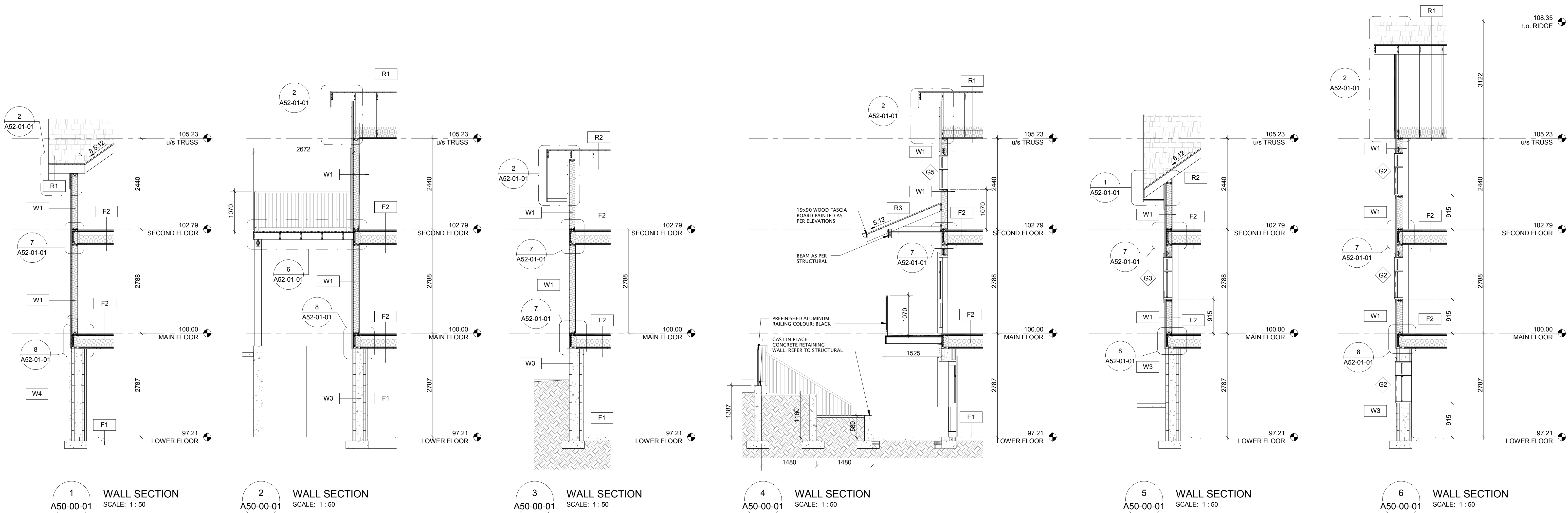
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Chris Van Pelt, P.Eng., A.P.E.C.A.

| | |
|-----------------|----------|
| 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 & 910 Patricia Street JASPER, AB | |
| Drawing Title | |
| BUILDING ELEVATIONS | |
| Scale | 1 : 50 |
| Project No. | NCEM17-0002 |
| Drawing No. | A30-01-02 |



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Arian Tashari, P.Eng., A.P.E.C.A.
Chris Van Pelt, 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 & 910 Patricia Street
JASPER, AB

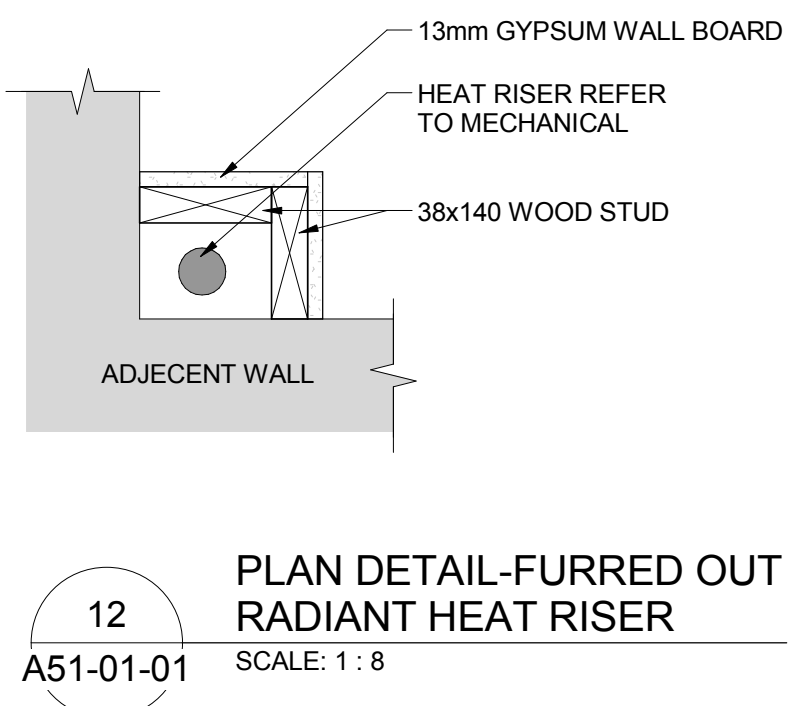
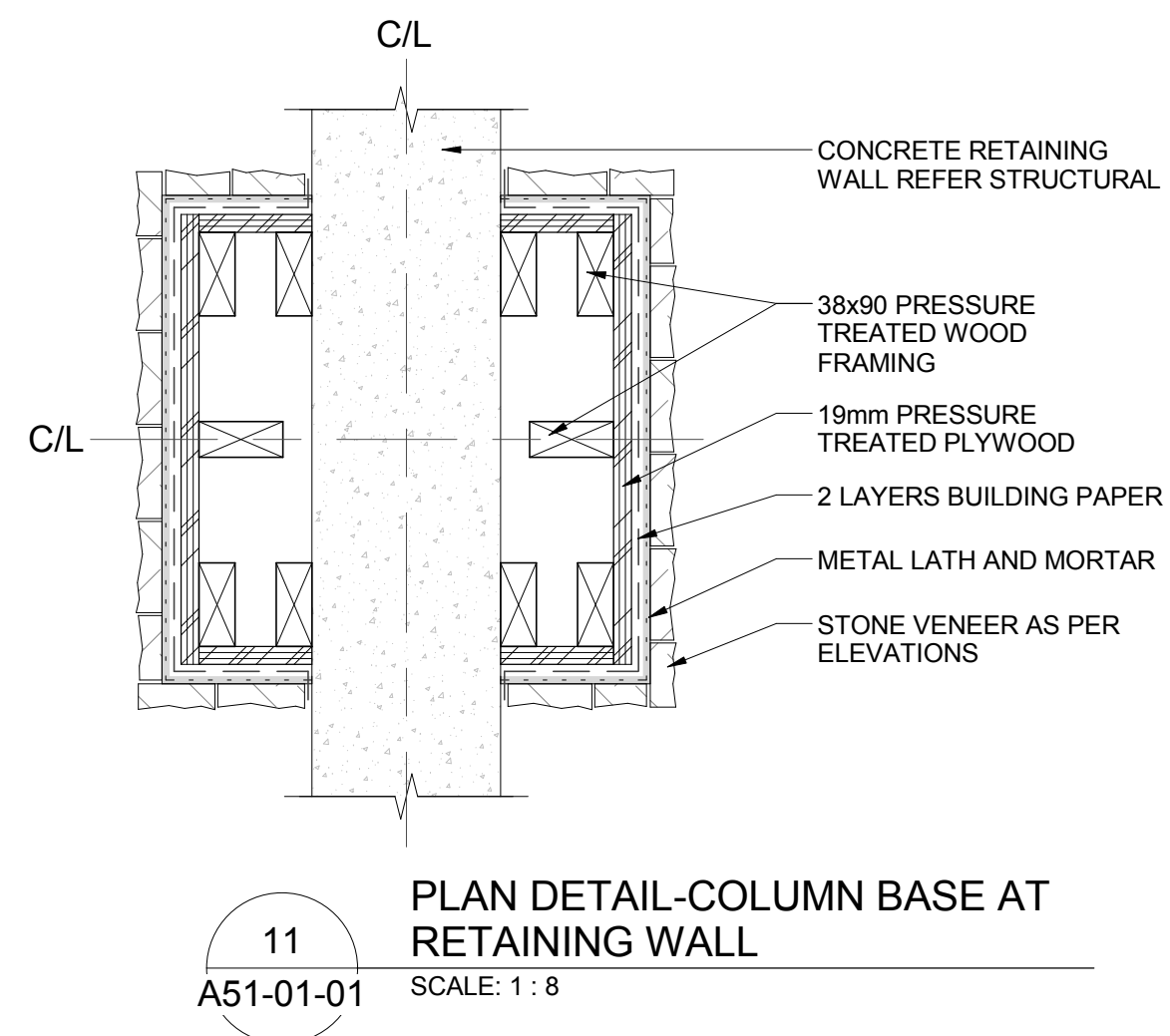
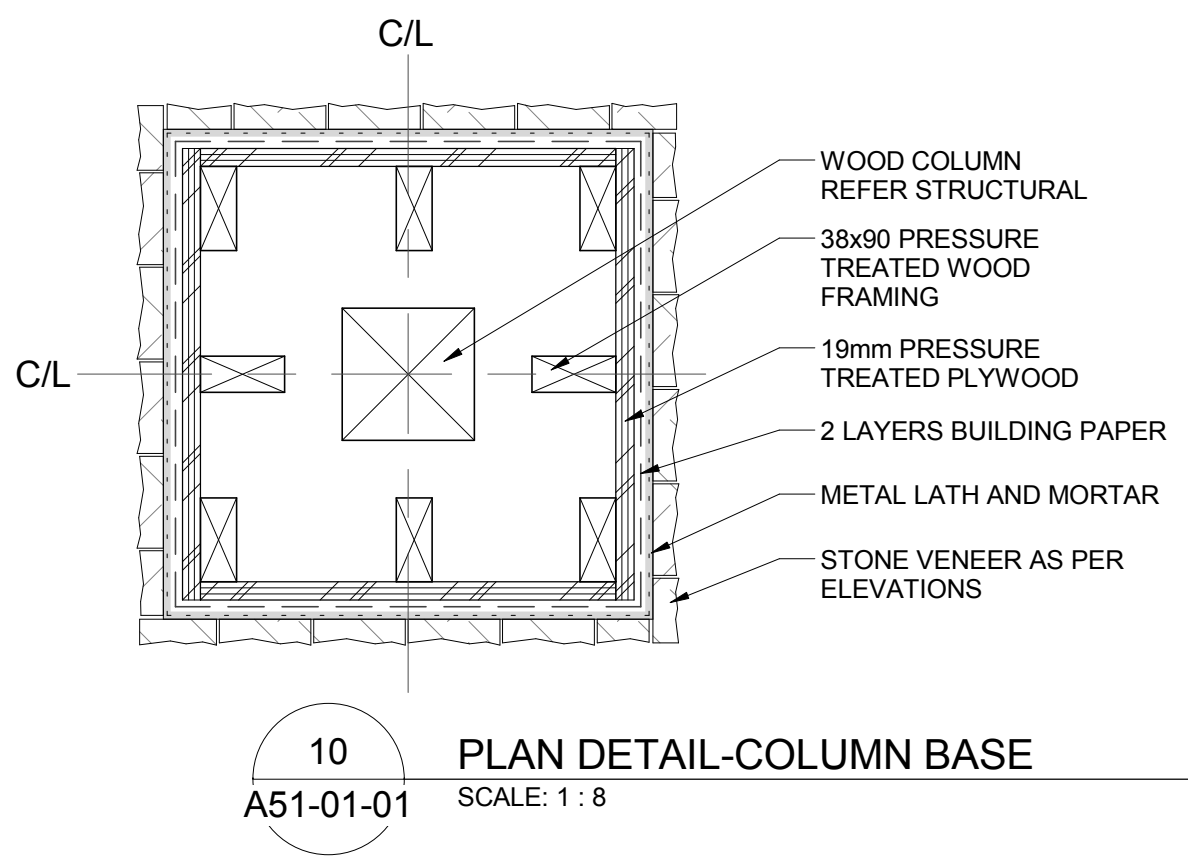
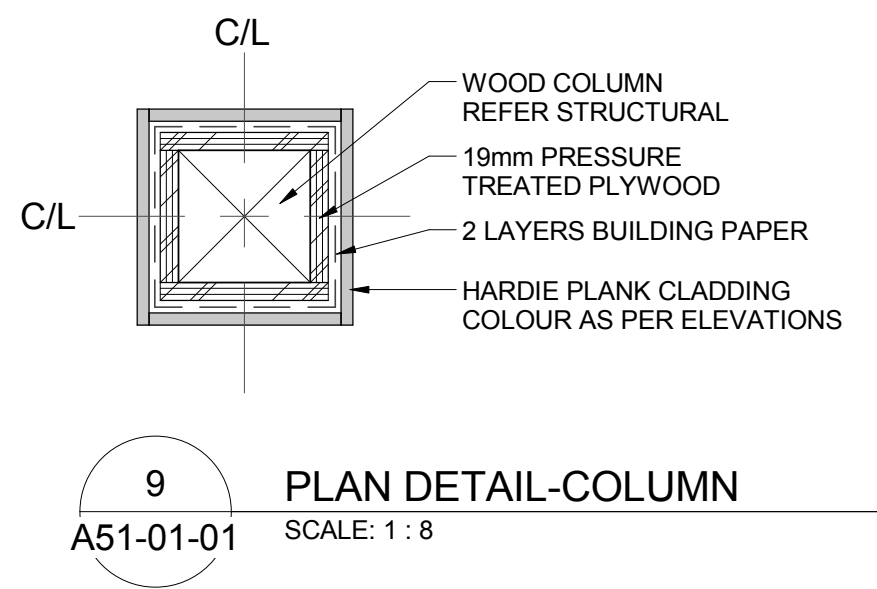
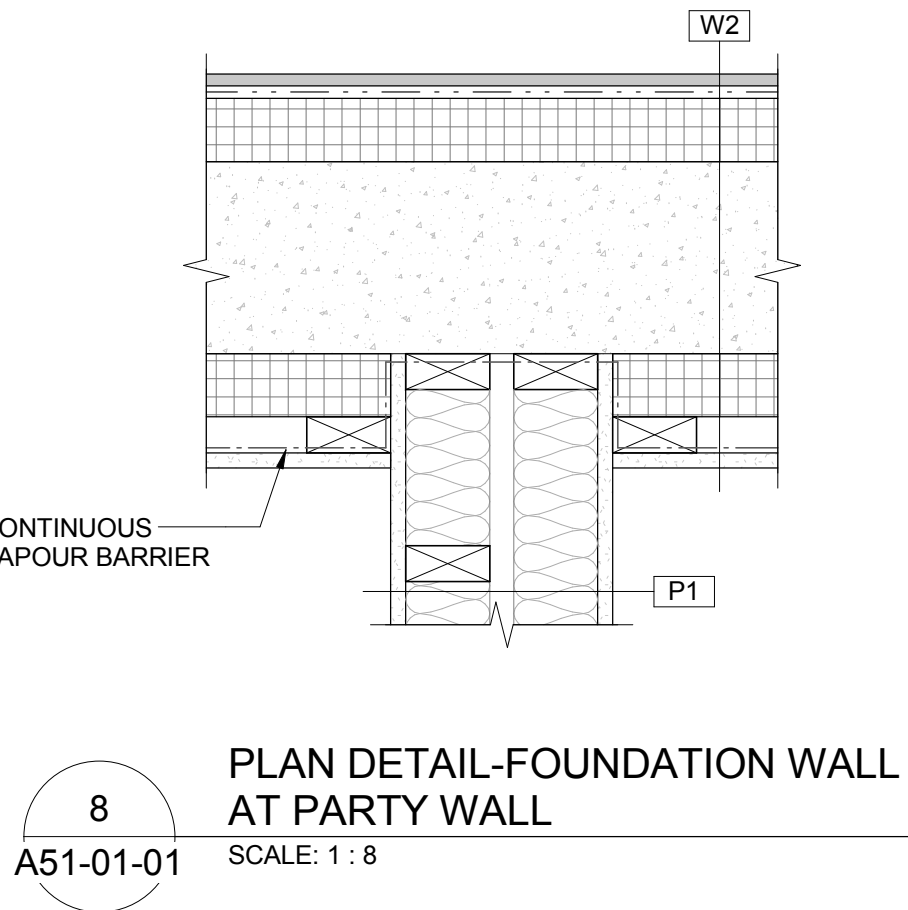
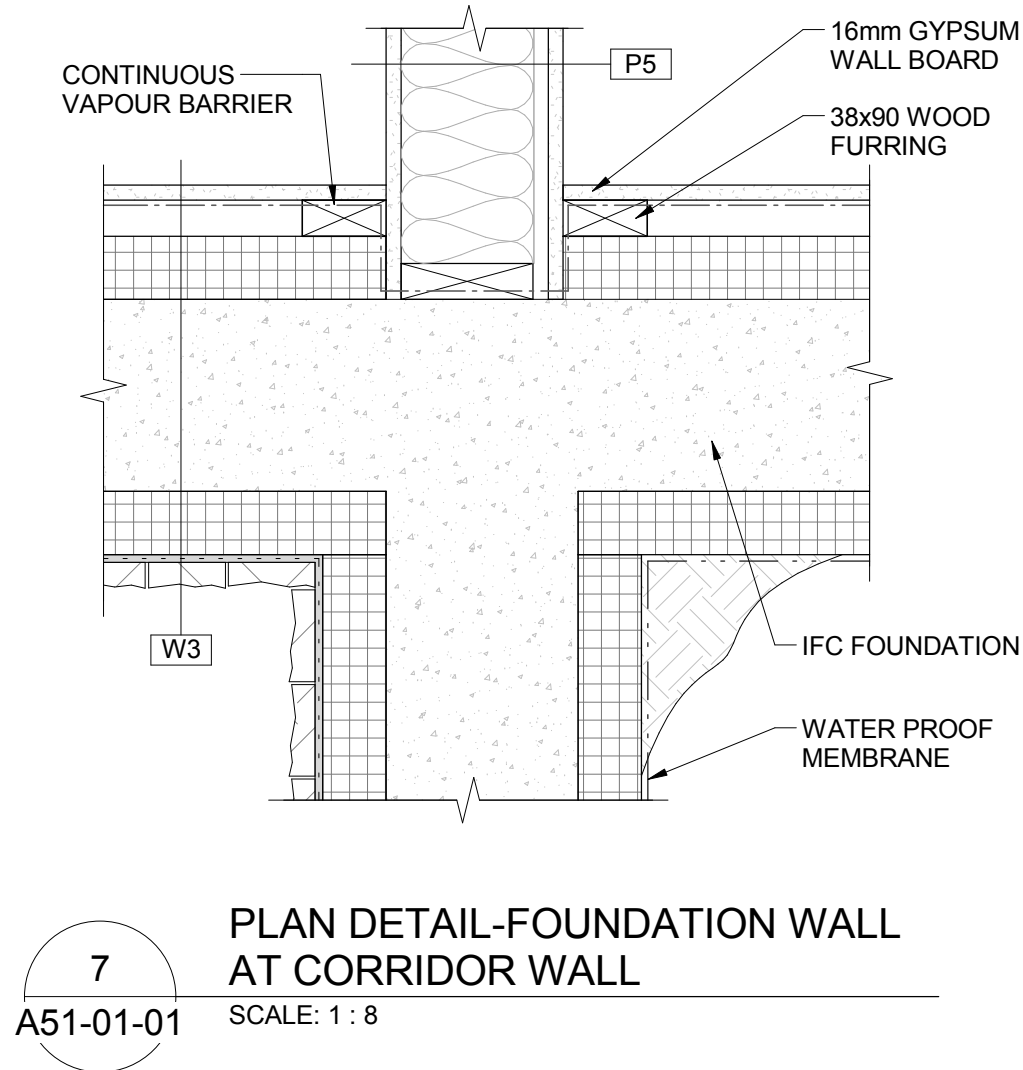
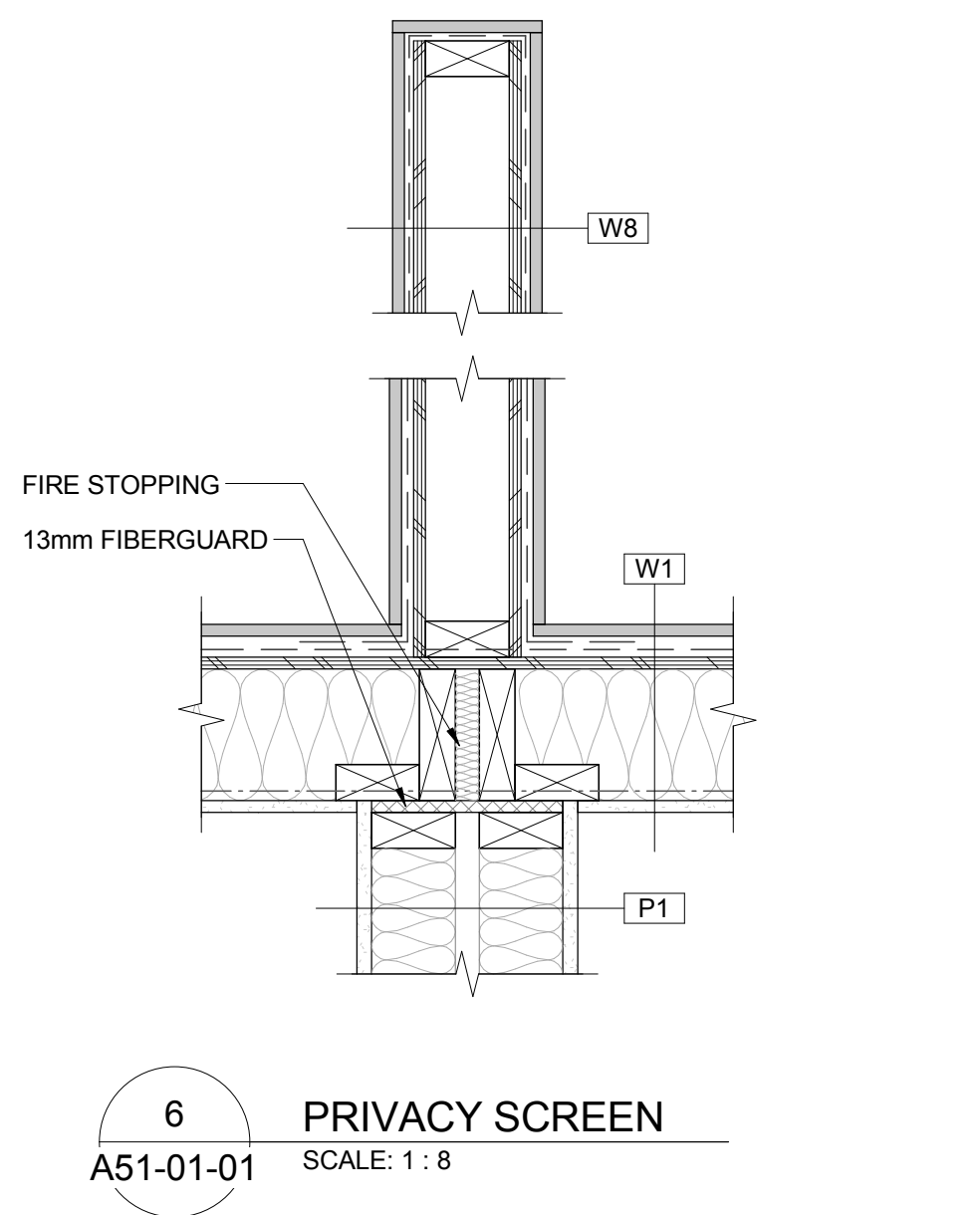
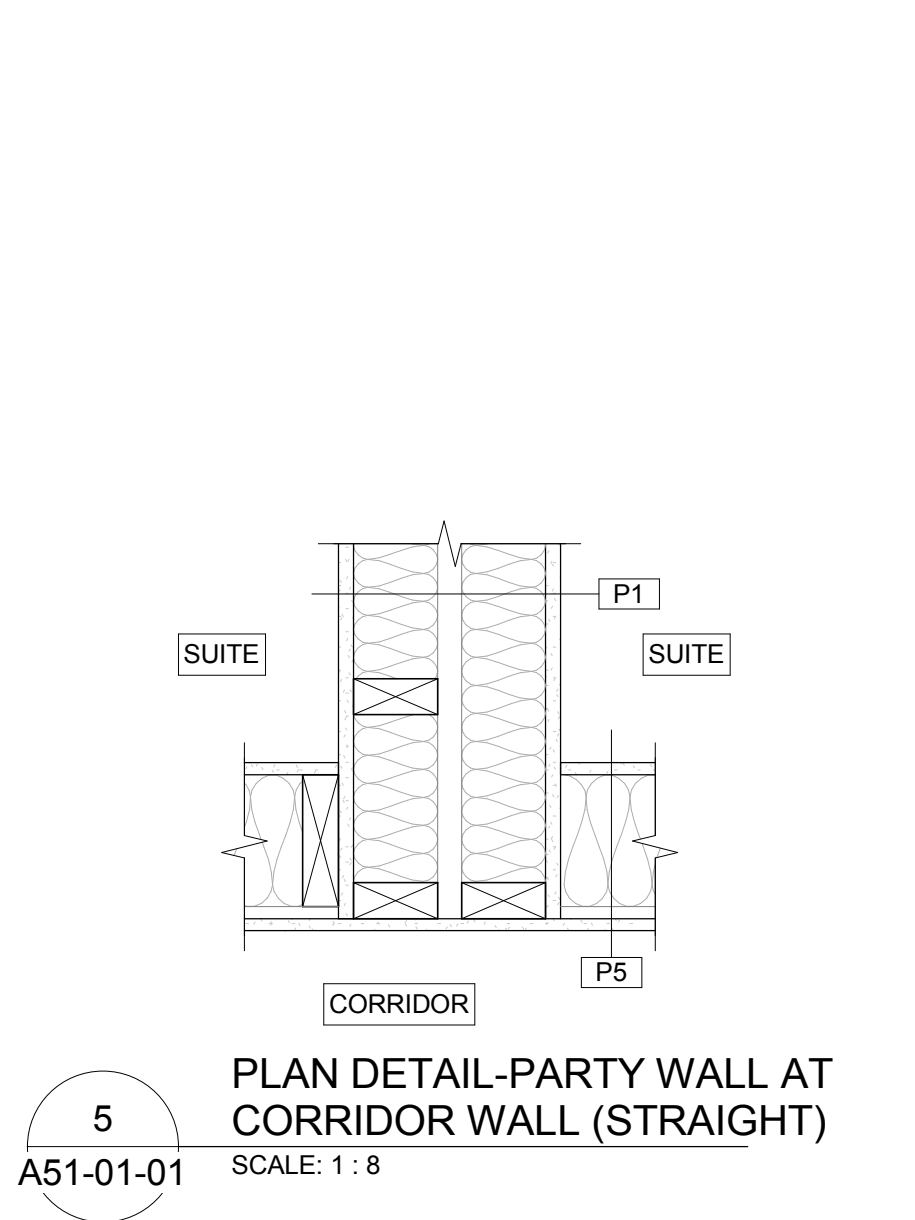
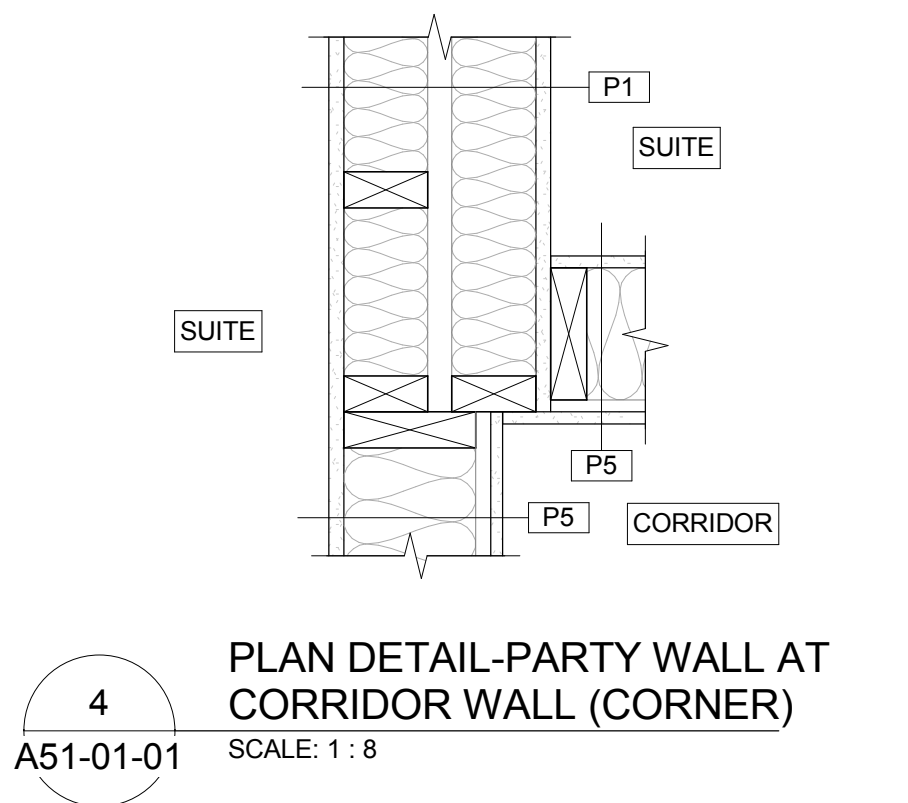
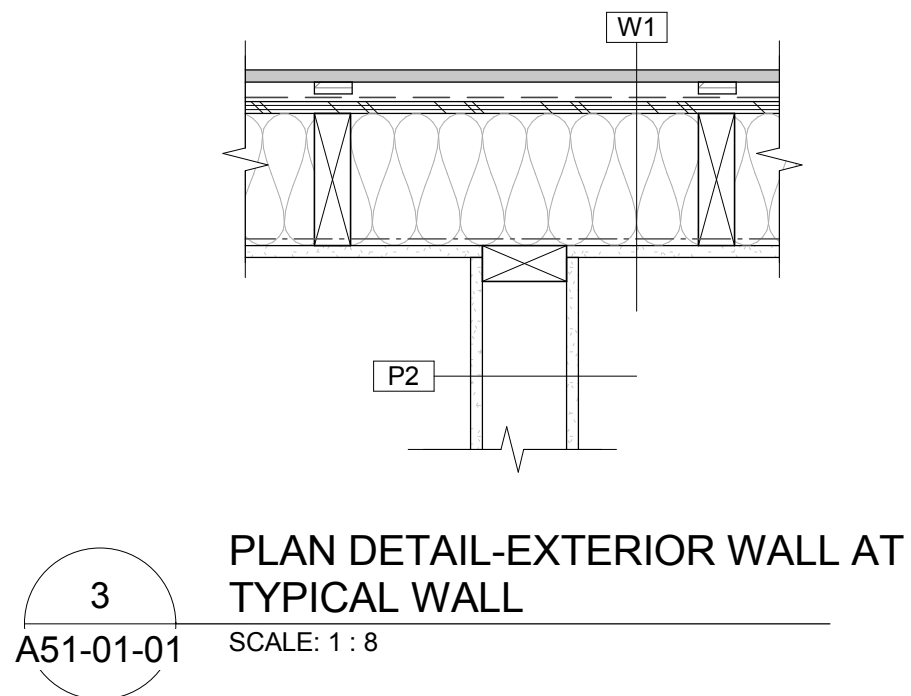
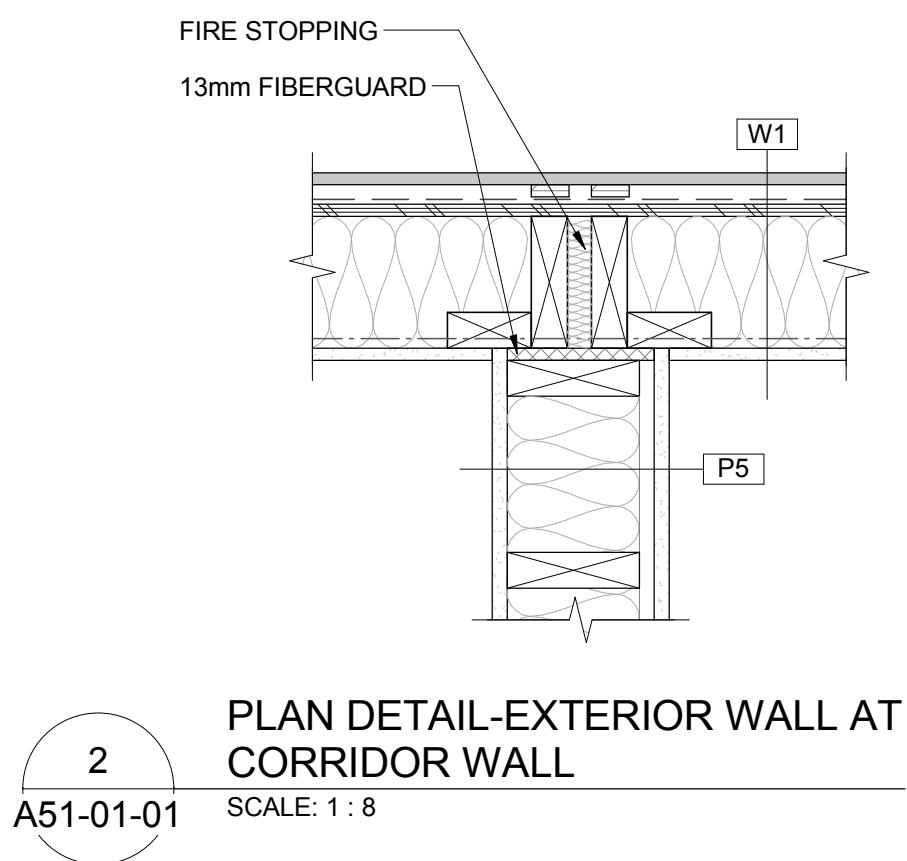
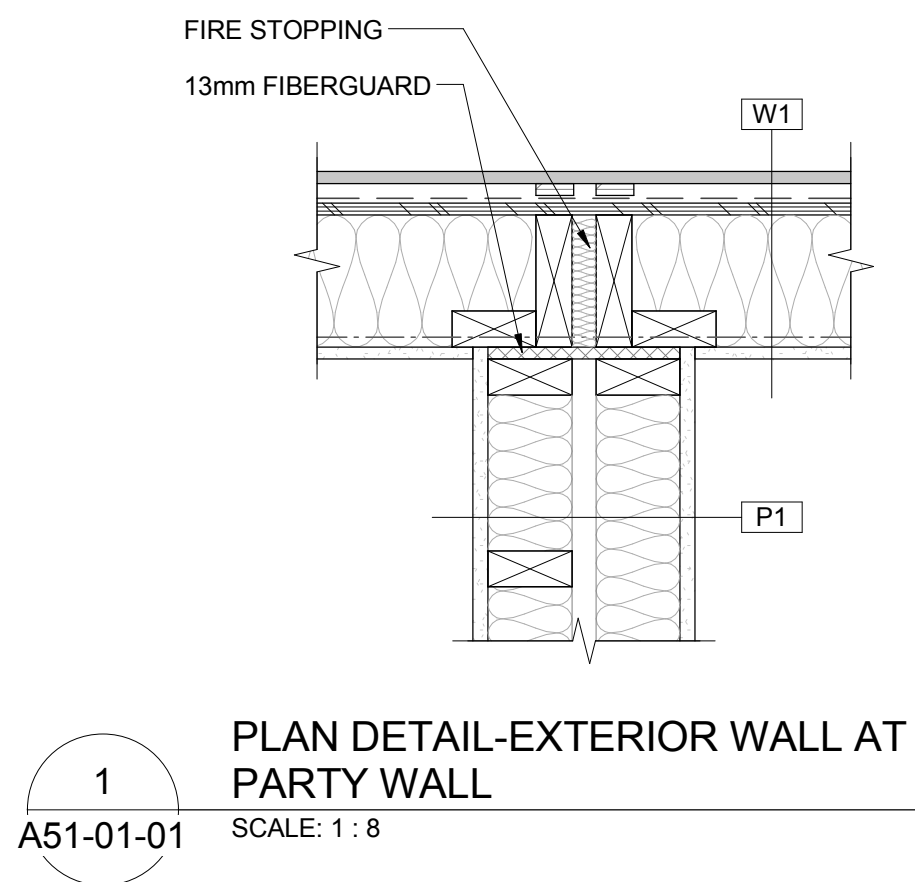
Drawing Title

WALL SECTIONS

Scale 1 : 50

Project No. NCEM17-0002

Drawing No. A50-00-01



| DATE | ISSUED FOR | REV |
|------------|--------------------|-----|
| 2017-06-28 | DEVELOPMENT PERMIT | A |
| 2017-08-15 | TENDER | B |

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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
ARCHITECTS ENGINEERS PLANNERS
An Ingenium Group Company
Suite 304
10722 - 103rd Ave
Edmonton, Alberta, Canada T5J 5G7
norr.com

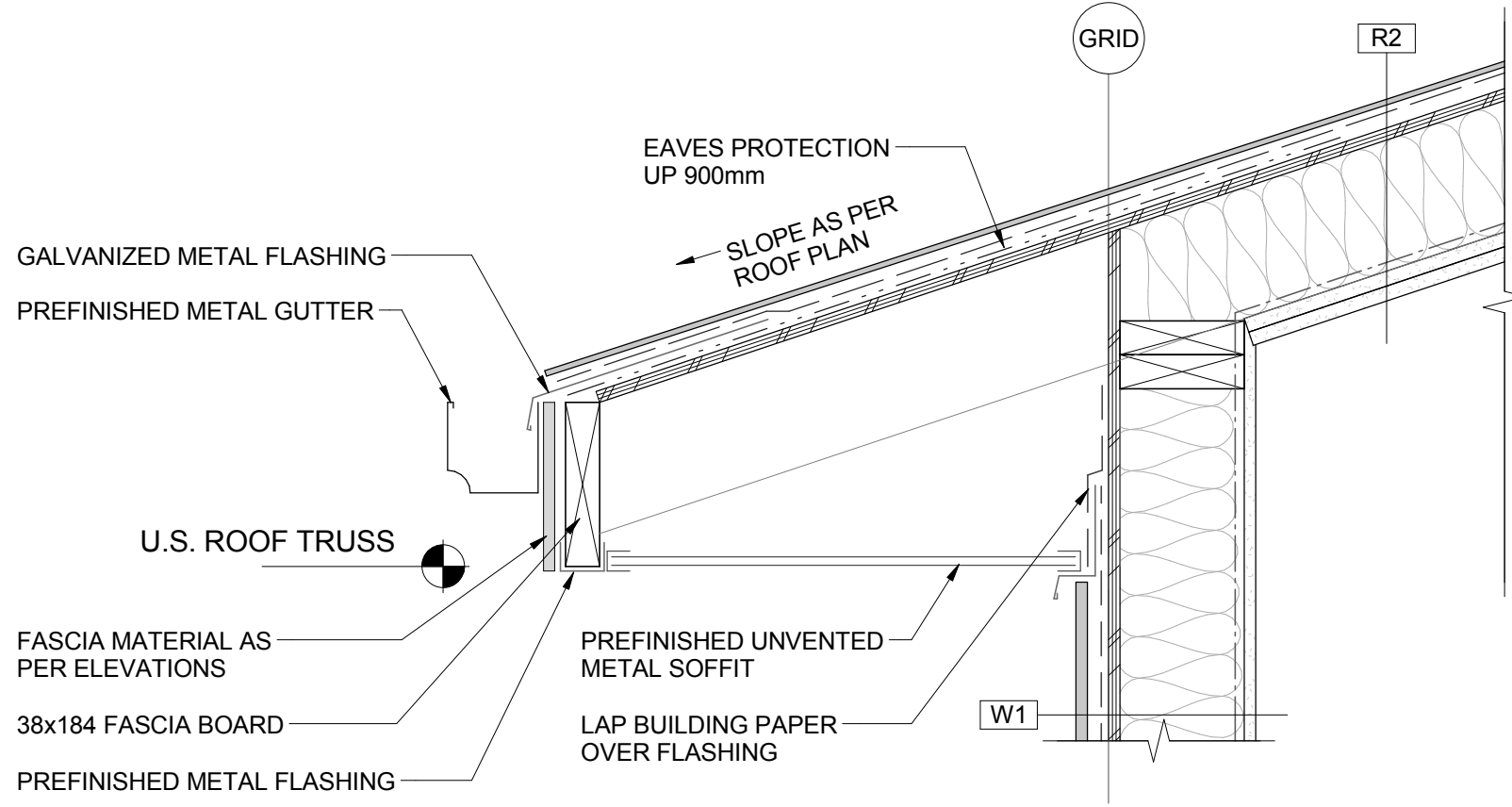
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A. David Selinger, Architect, AIA, S.Arch, M.A.S.C.
Adam Tordella, P.Eng., A.P.E.C.A.
Chris Van Pelt, P.Eng., A.P.E.C.A.

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

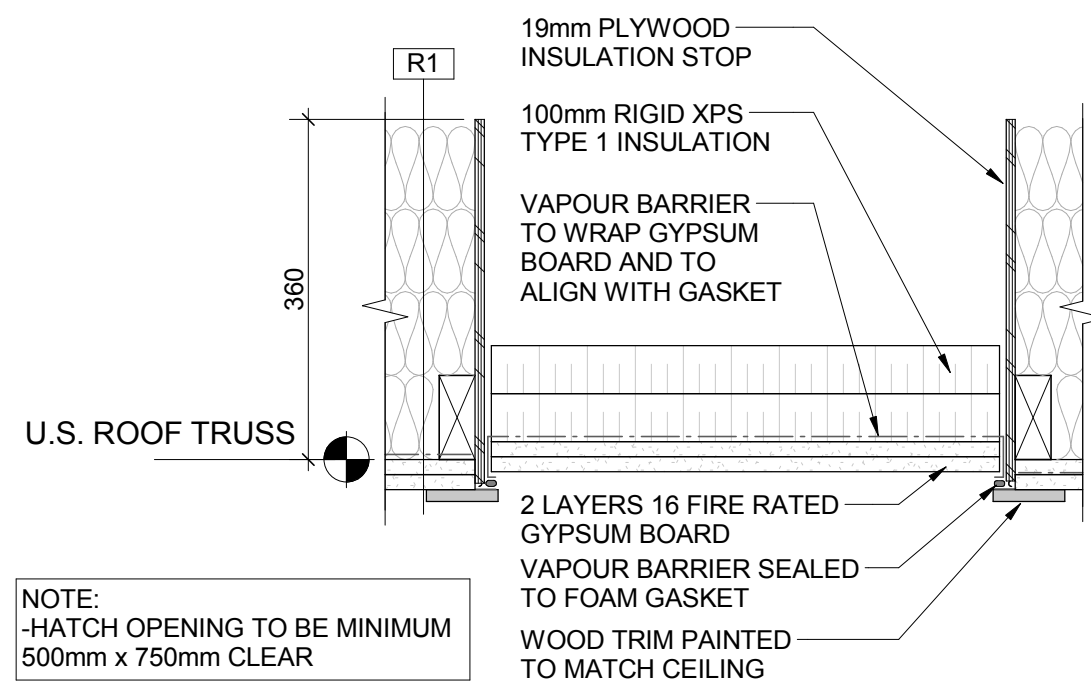
PARKS CANADA AGENCY
Jasper National Park, Jasper, AB
Project
JASPER PARK STAFF HOUSING
918 Patricia Street & 910 Patricia Street
JASPER, AB

Drawing Title
PLAN DETAILS

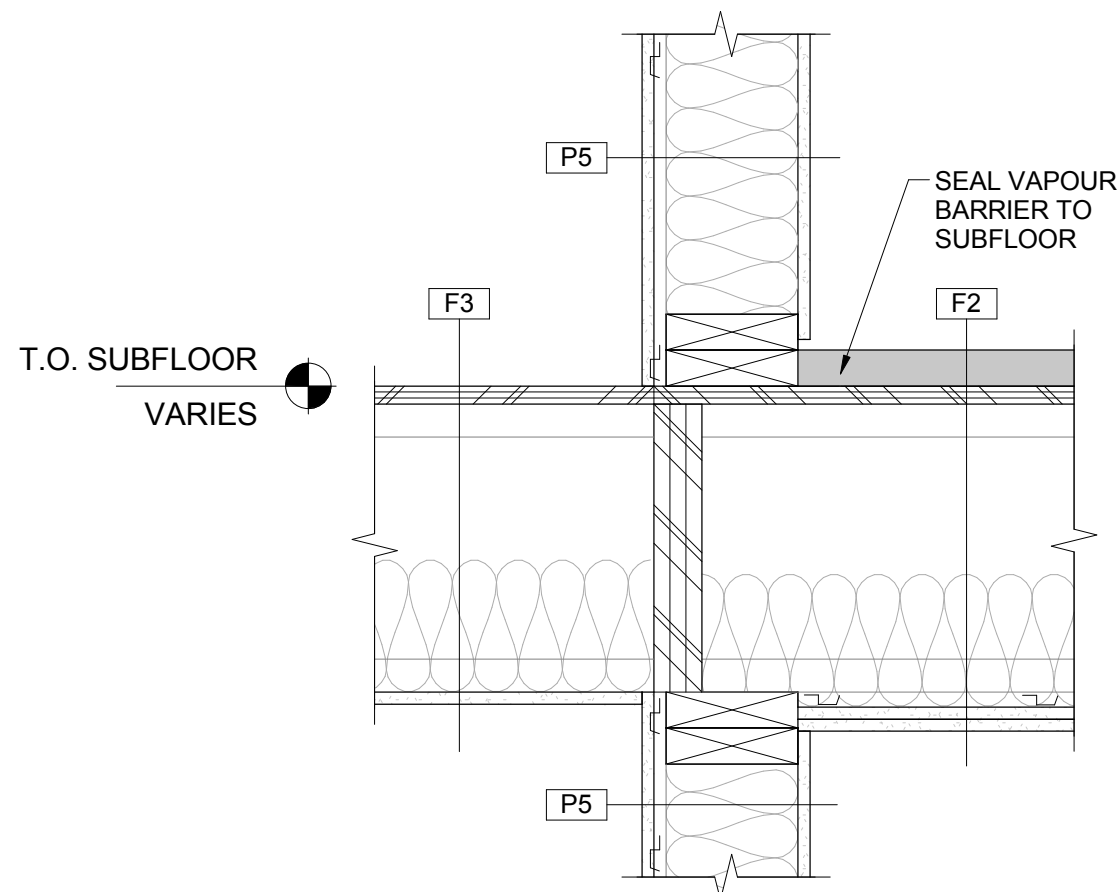
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| Drawing No. | A51-01-01 |



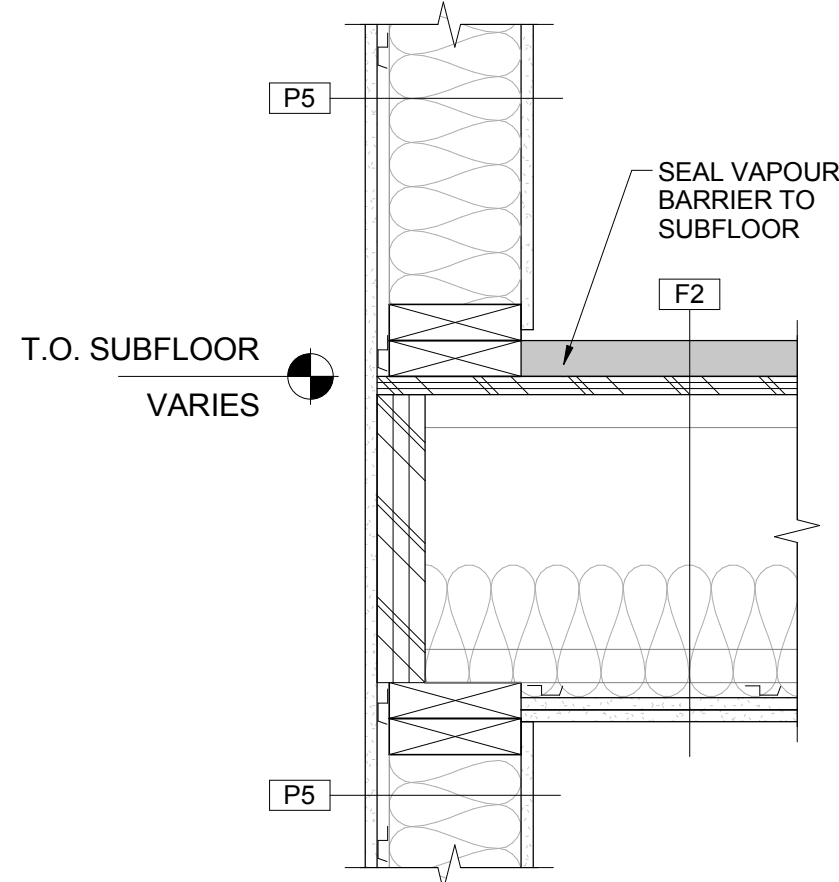
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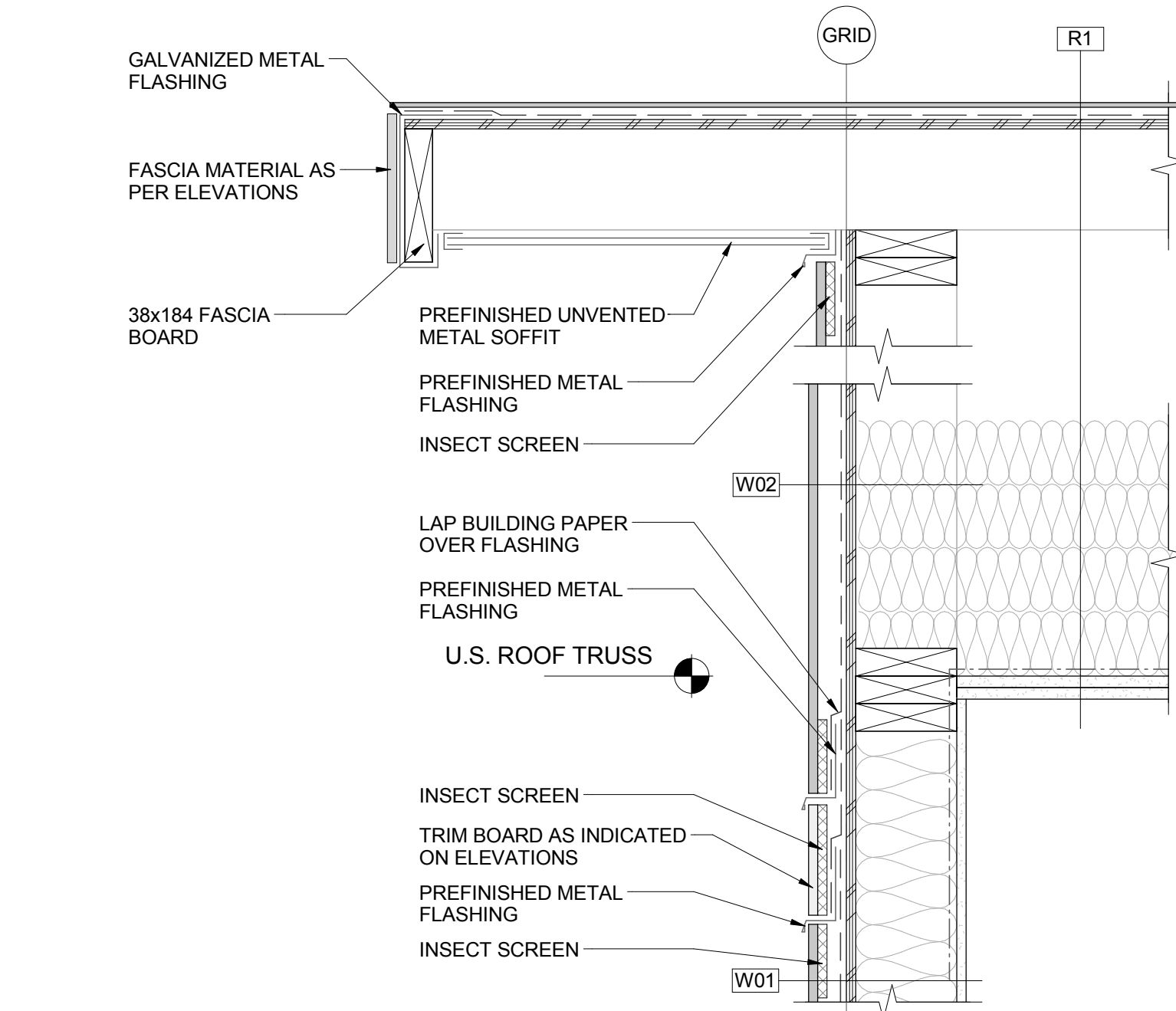
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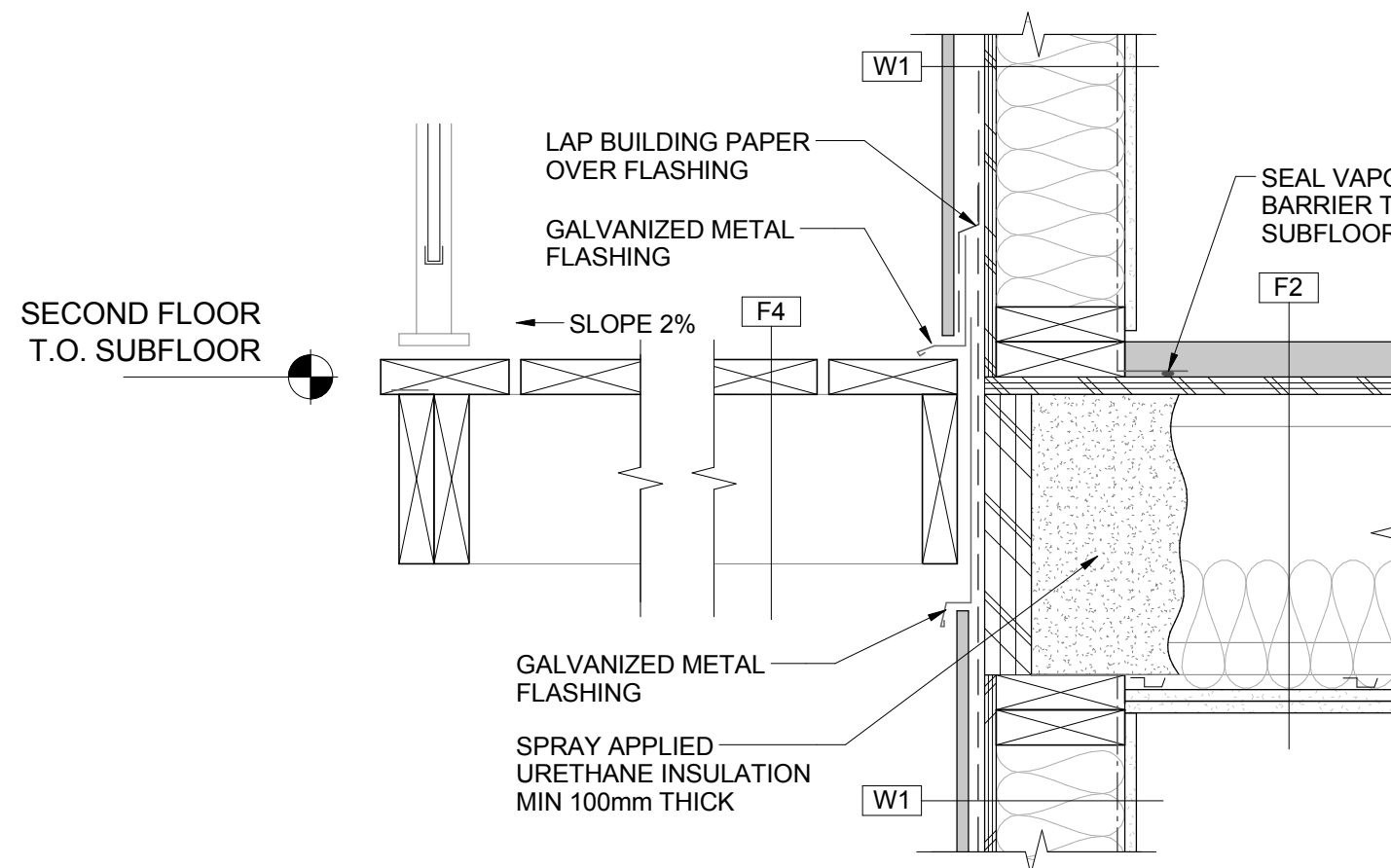
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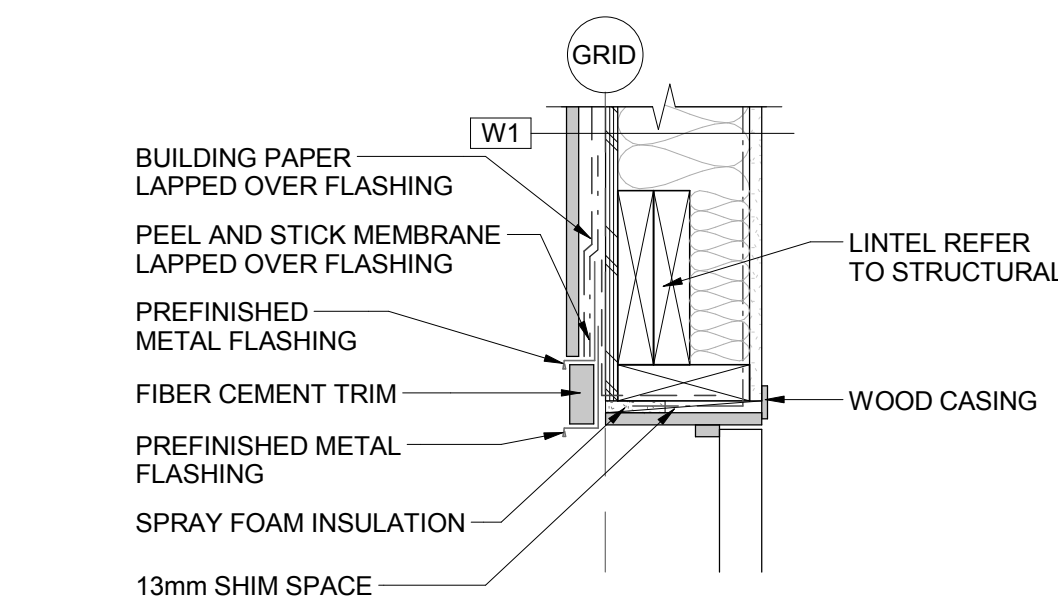
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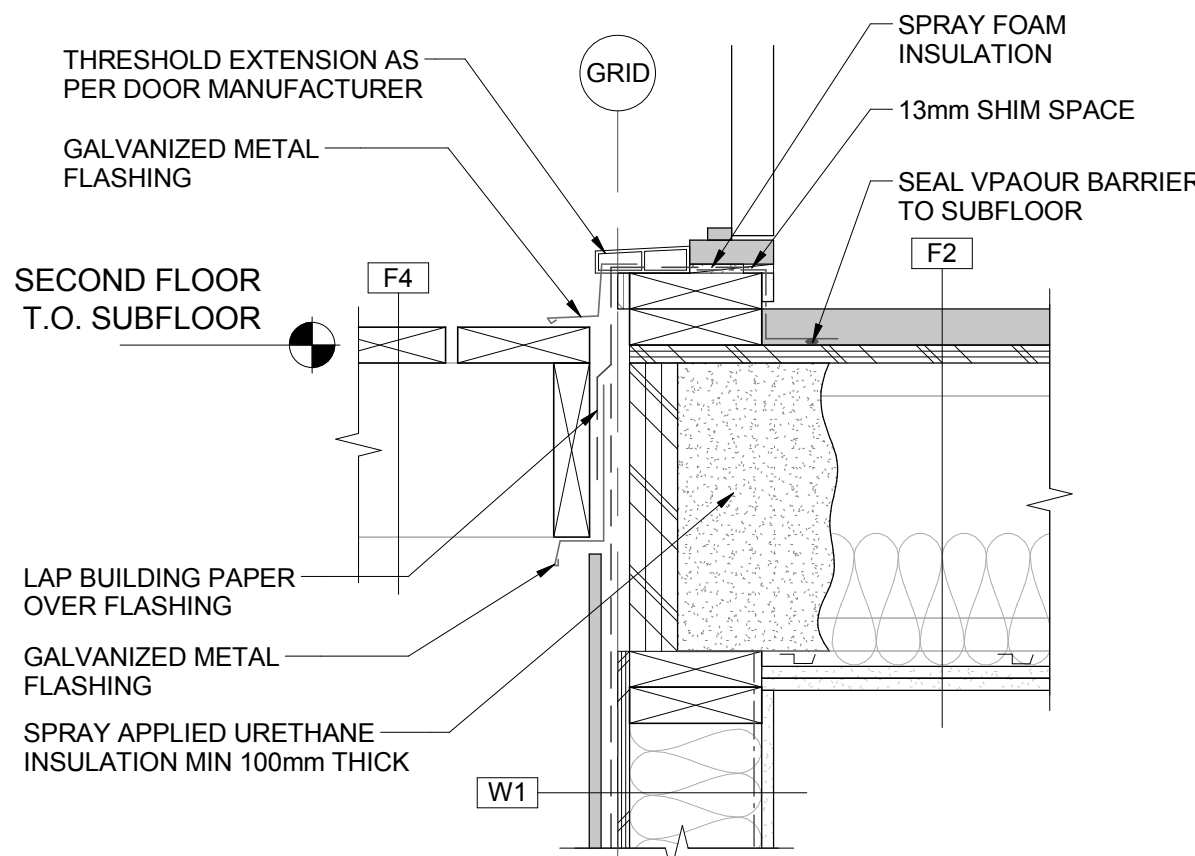
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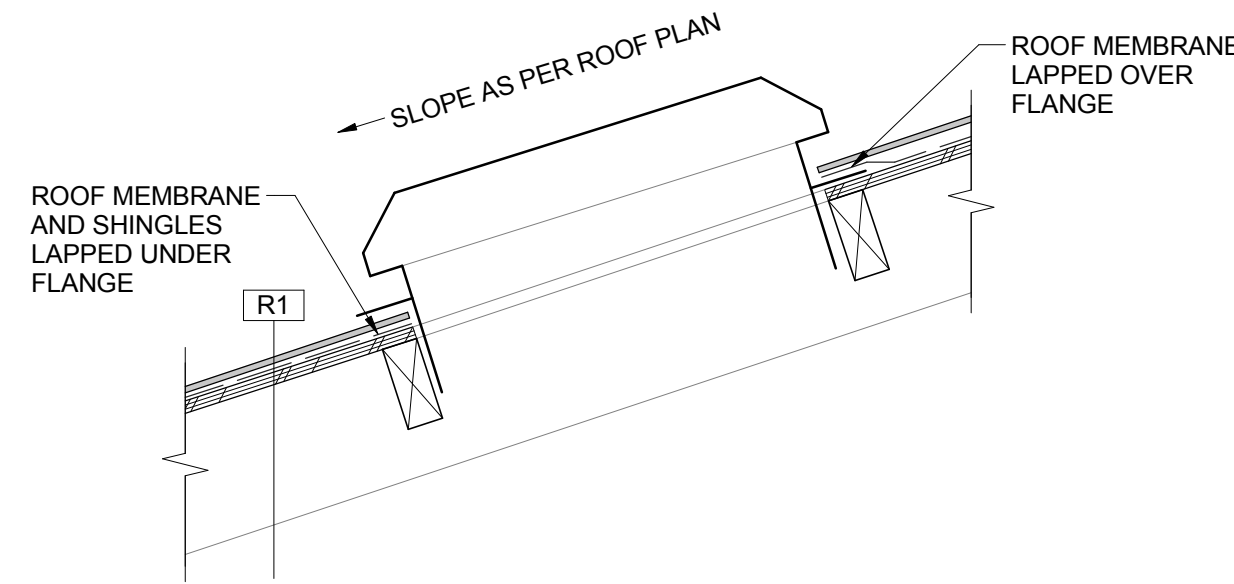
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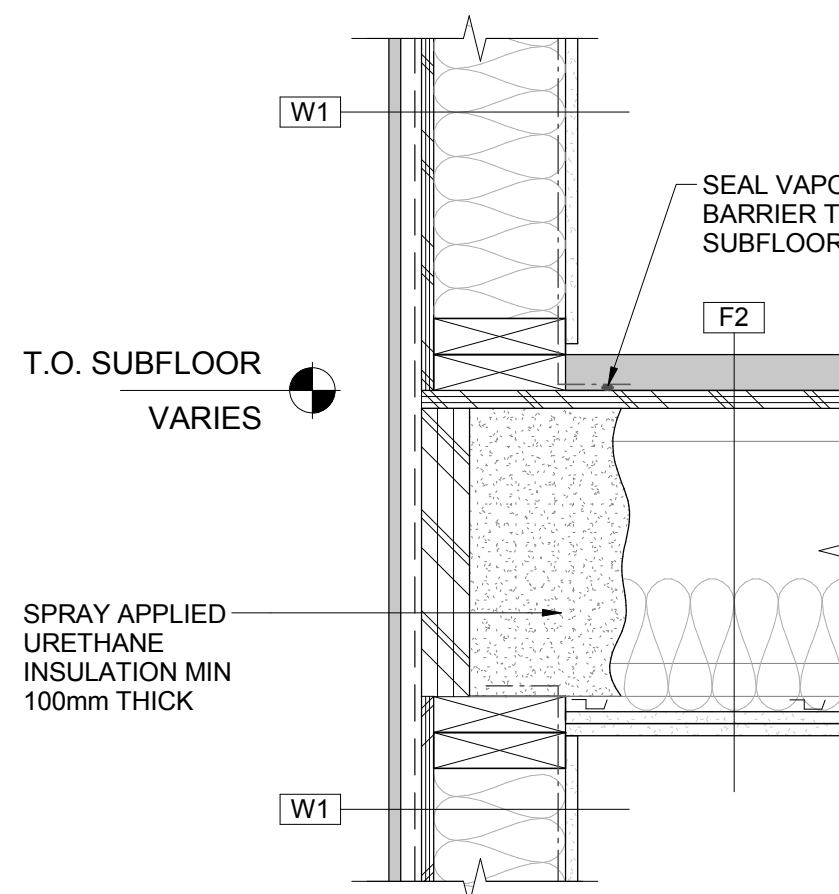
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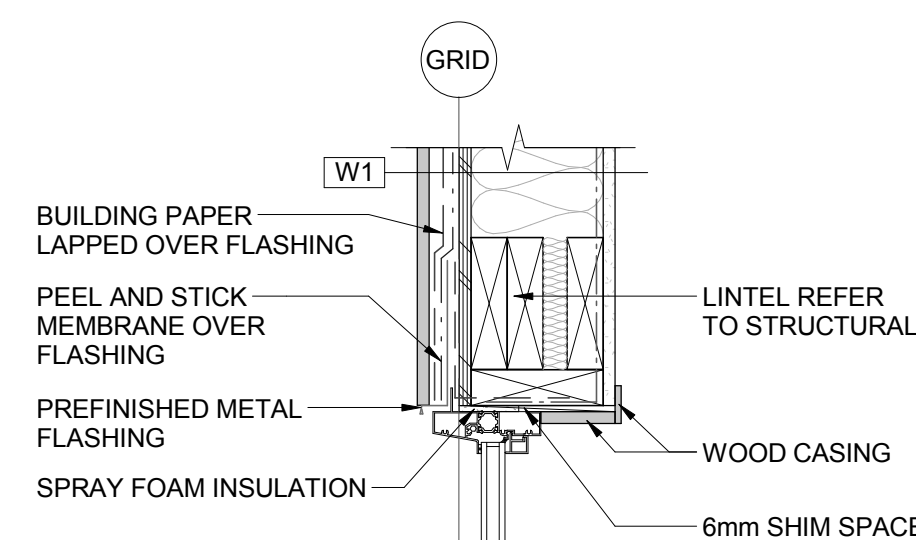
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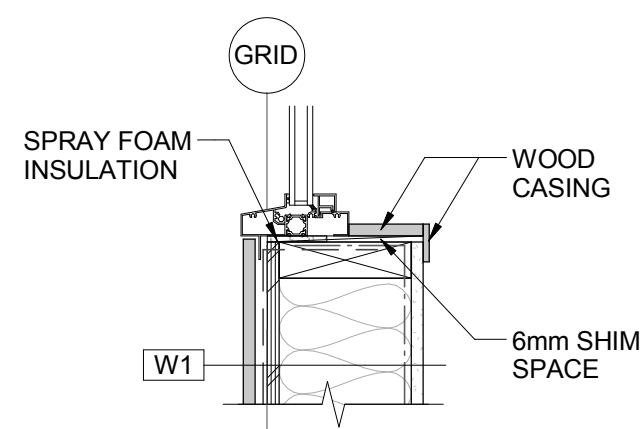
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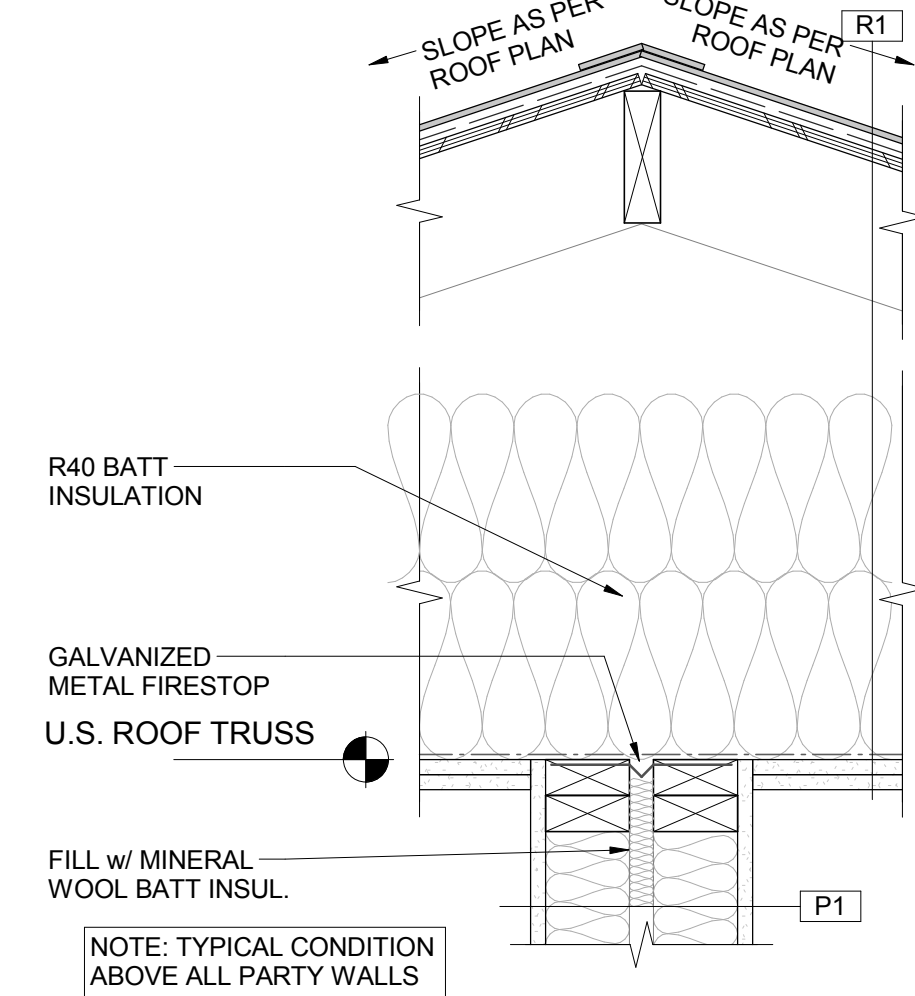
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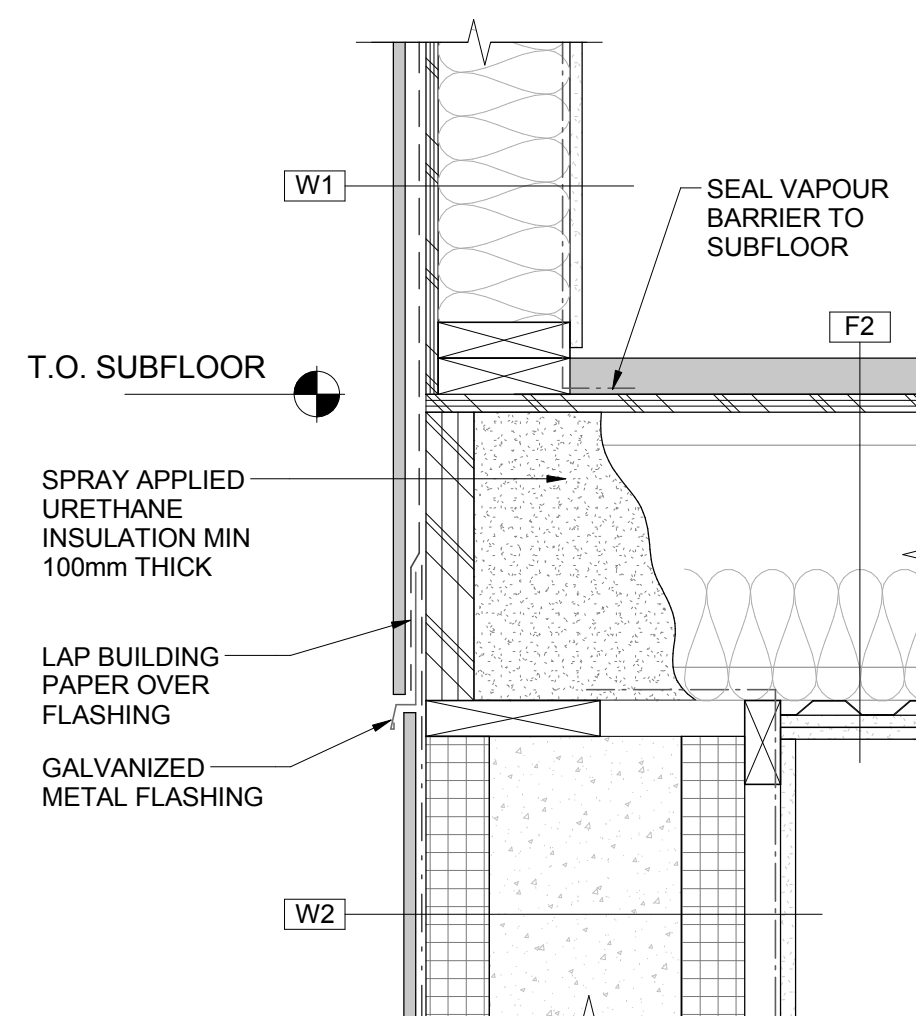
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SCALE: 1 : 8



14
A52-01-01
SCALE: 1 : 8



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A52-01-01
SCALE: 1 : 8



8
A52-01-01
SCALE: 1 : 8

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| 2017-06-28 | DEVELOPMENT PERMIT | A |
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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
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An Ingenium Group Company
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Edmonton, Alberta, Canada T5J 5G7
norr.com

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A. David Salsbery, Architect, AIA, S.Arch, M.ASCE
Arlene Tordella, P.Eng., APEGGA
Chris Paul, P.Eng., APEGGA

| | |
|-----------------------|----------------|
| 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 & 910 Patricia Street
JASPER, AB

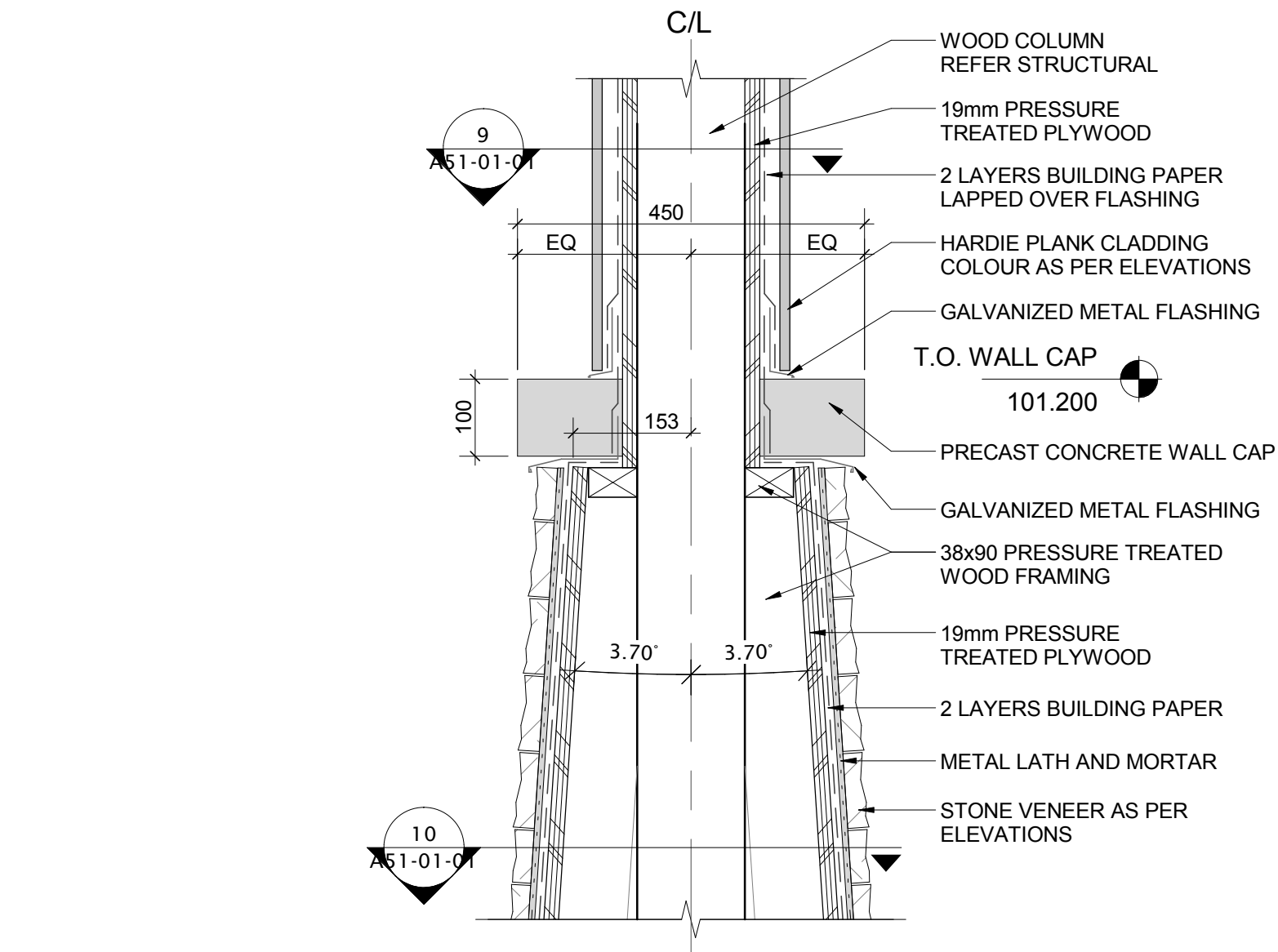
Drawing Title

SECTION DETAILS

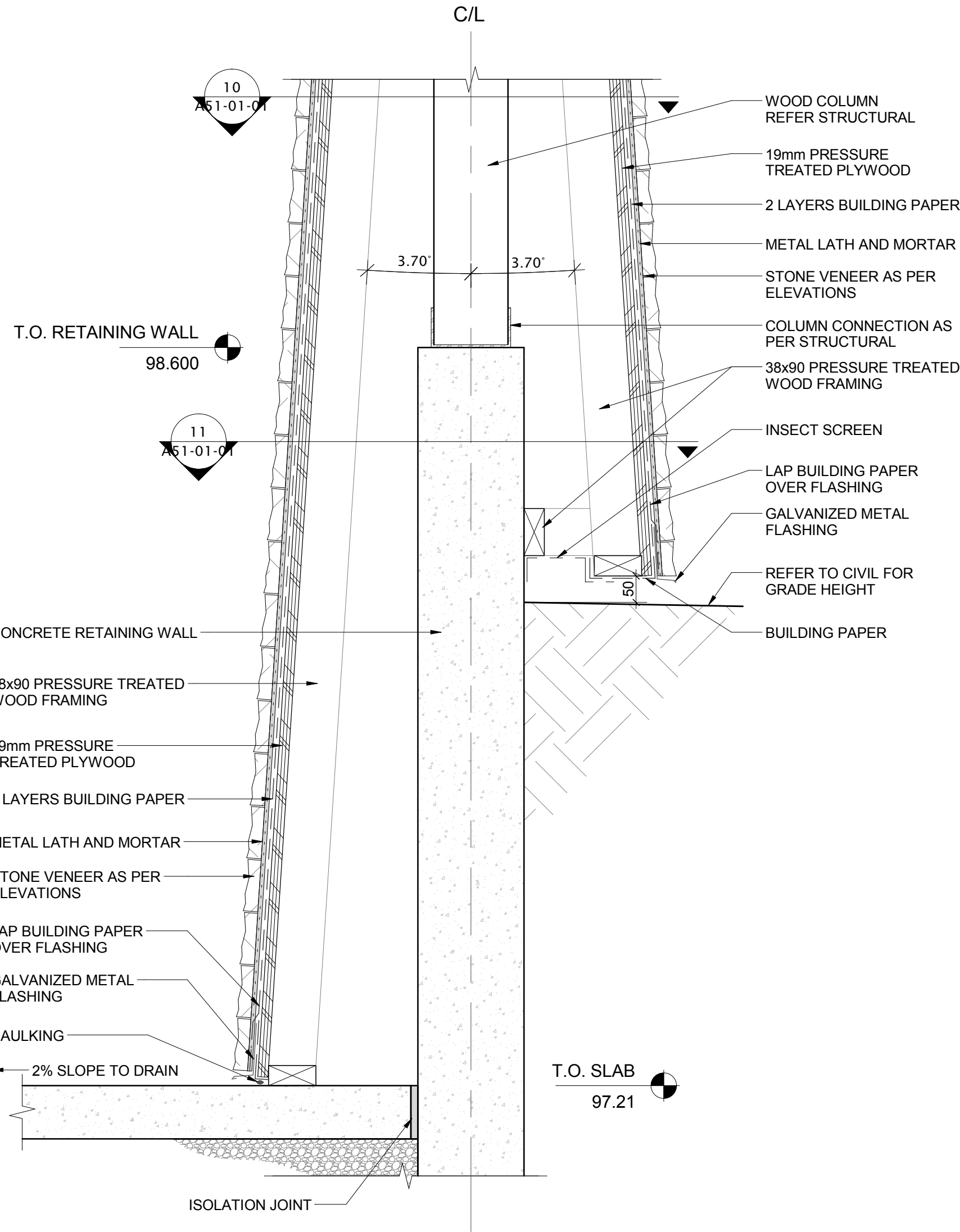
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Project No. NCEM17-0002

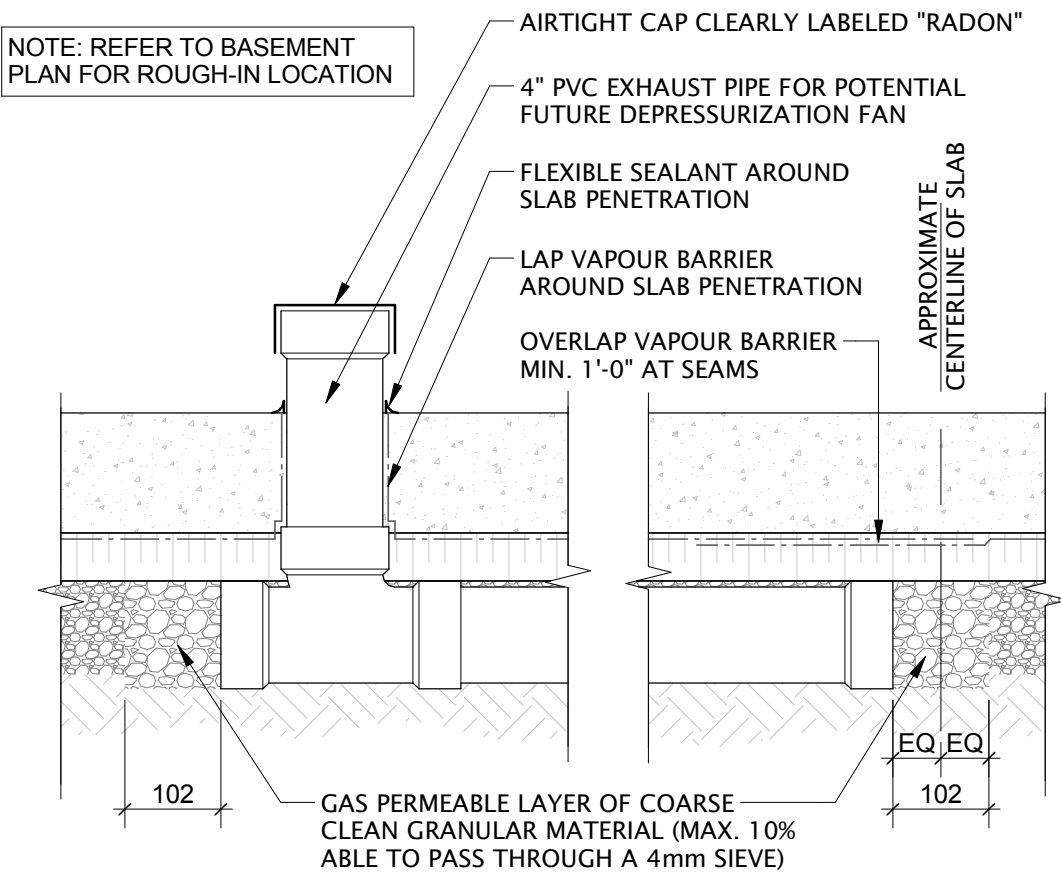
Drawing No. A52-01-01



1
A52-01-02
SECTION DETAIL-COLUMN AT TOP OF STONE
SCALE: 1 : 8



2
A52-01-02
SECTION DETAIL-COLUMN
SCALE: 1 : 8



3
A52-01-02
SECTION DETAIL - RADON MITIGATION ROUGH-IN
SCALE: 1 : 8

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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)

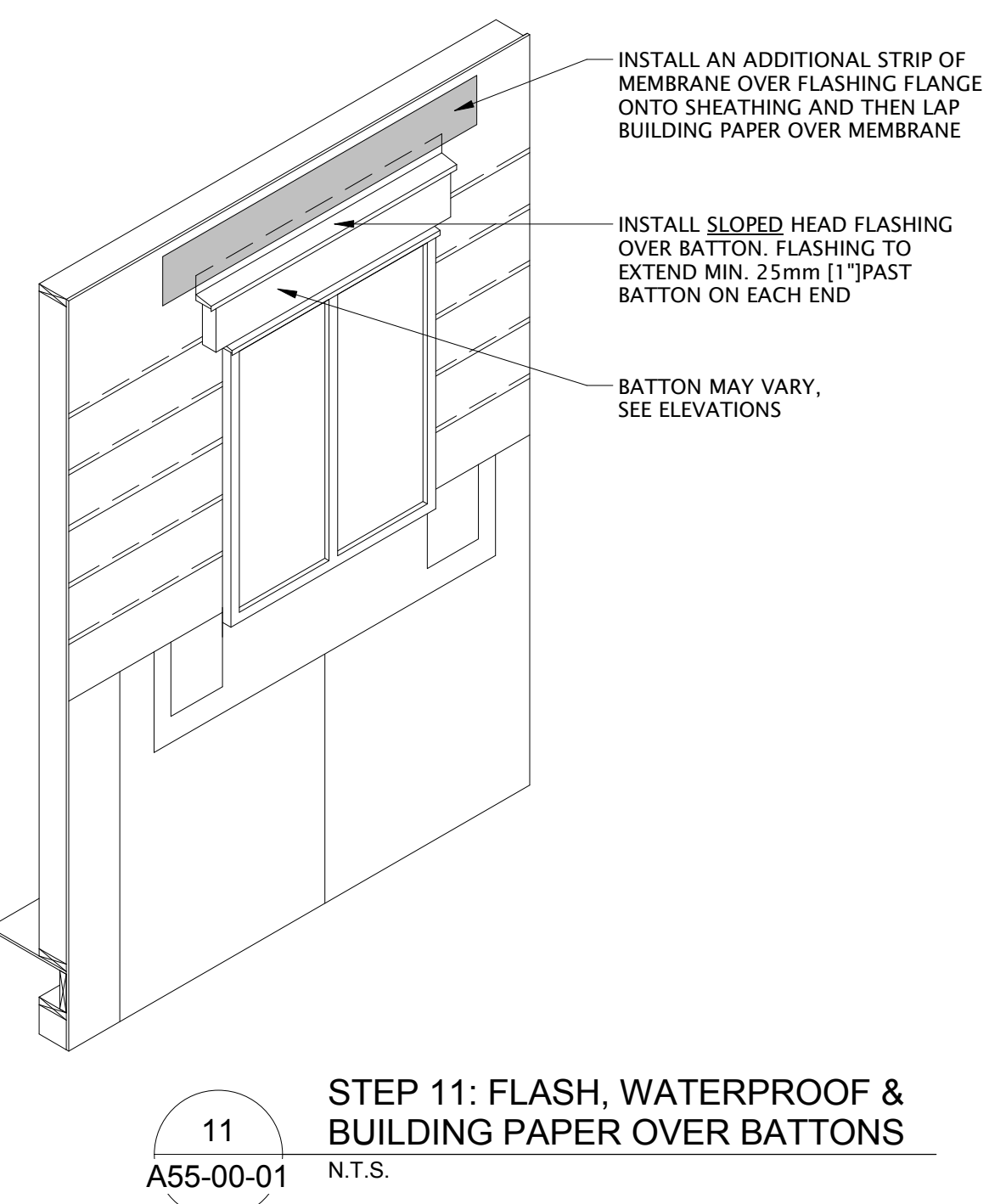
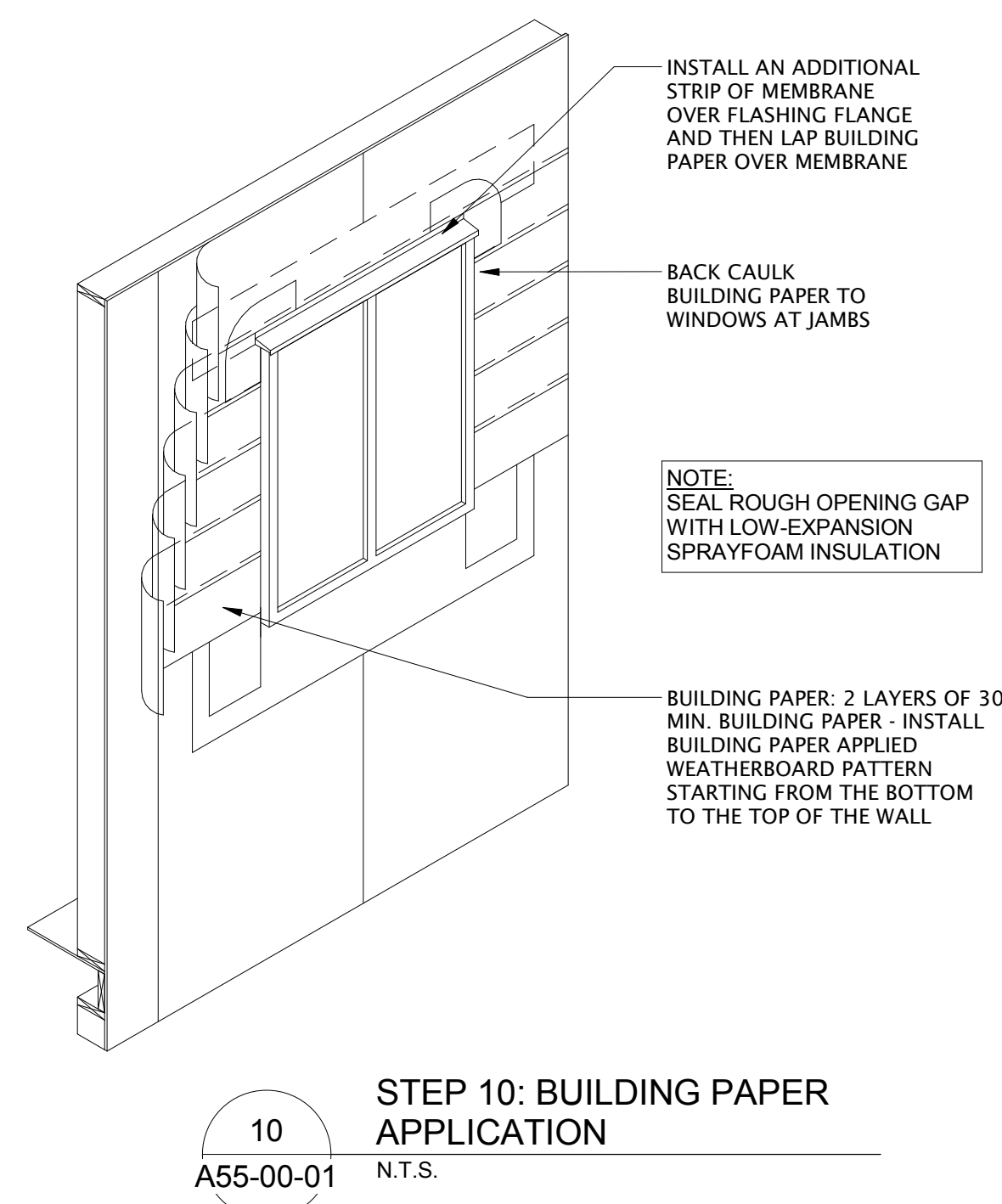
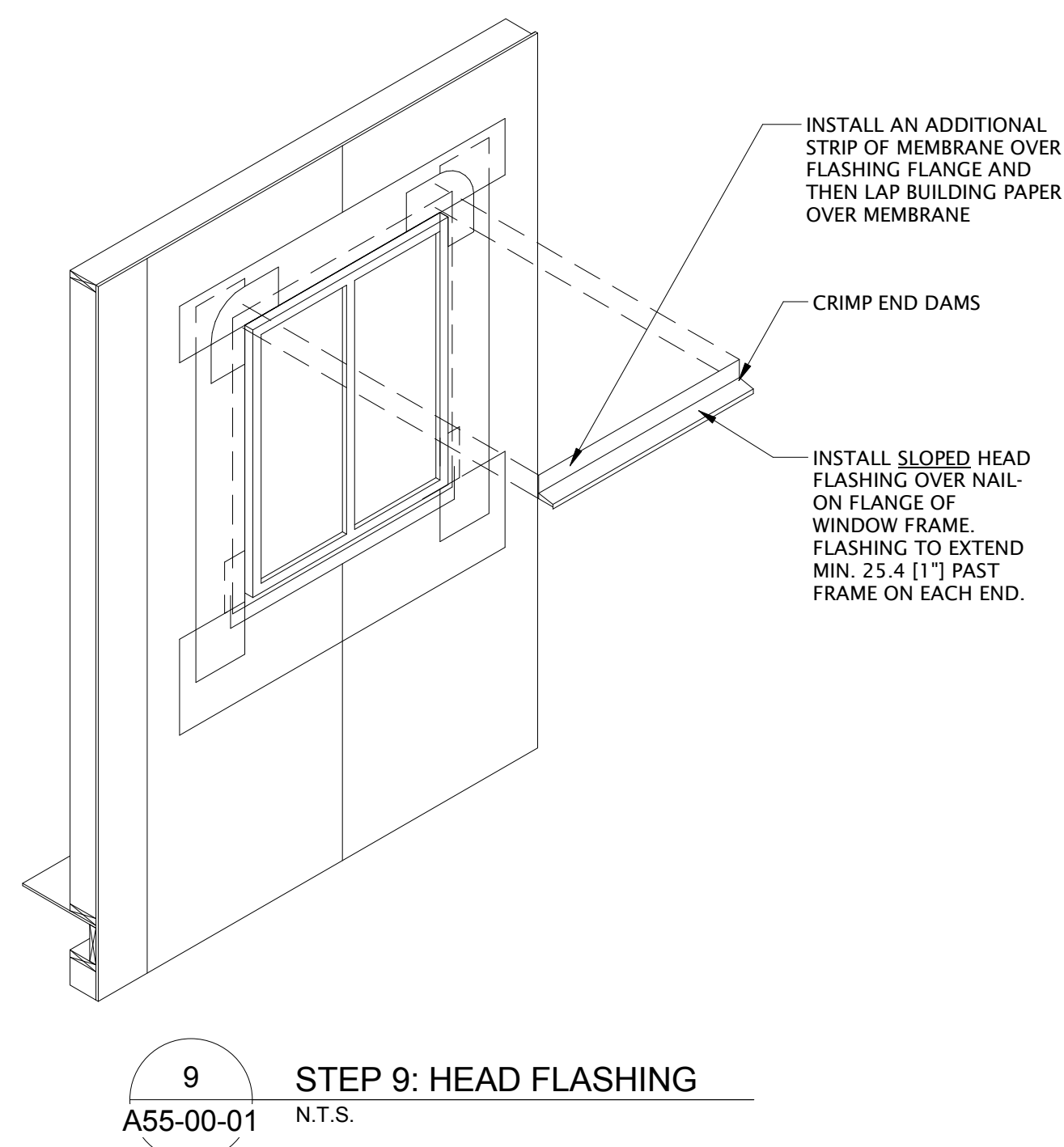
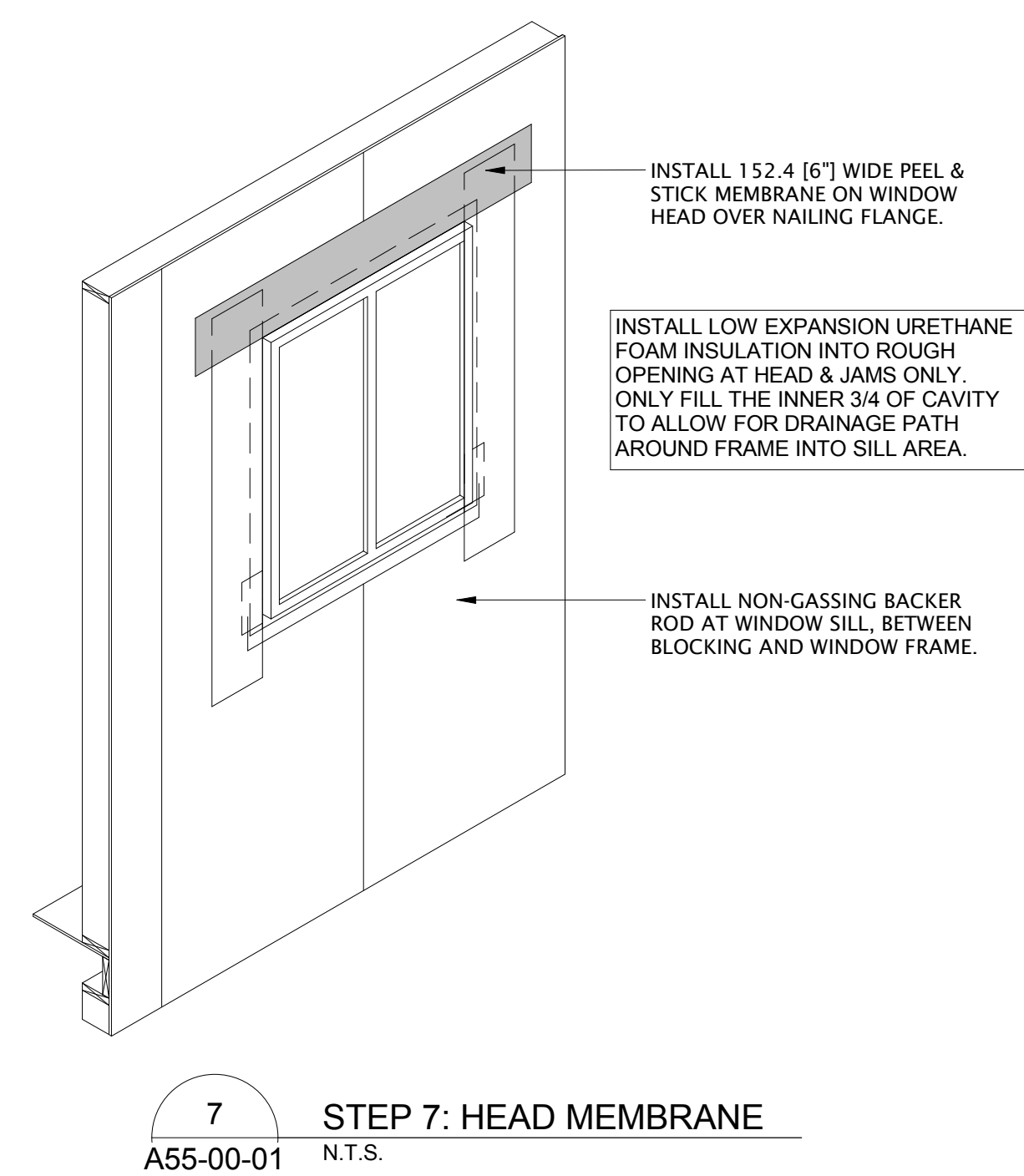
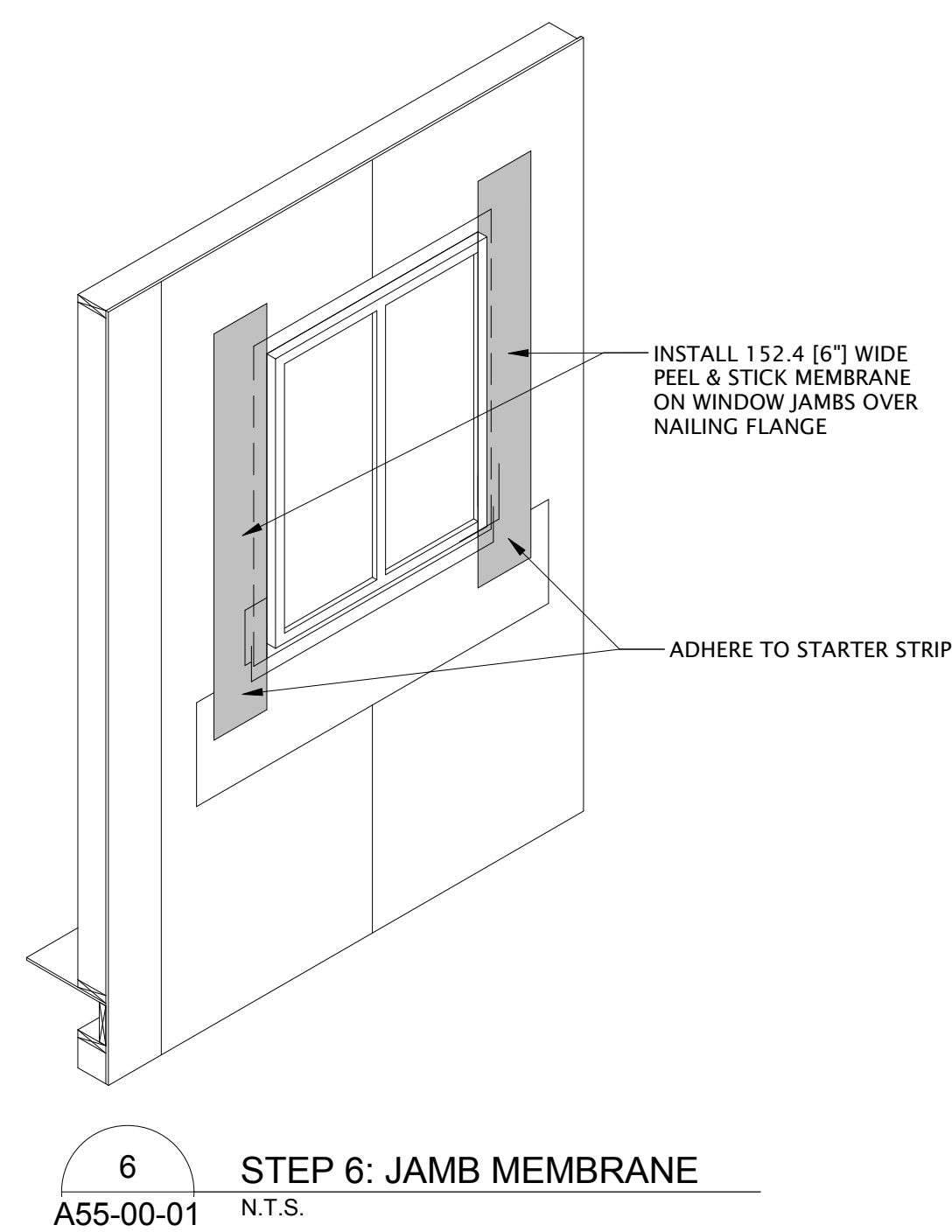
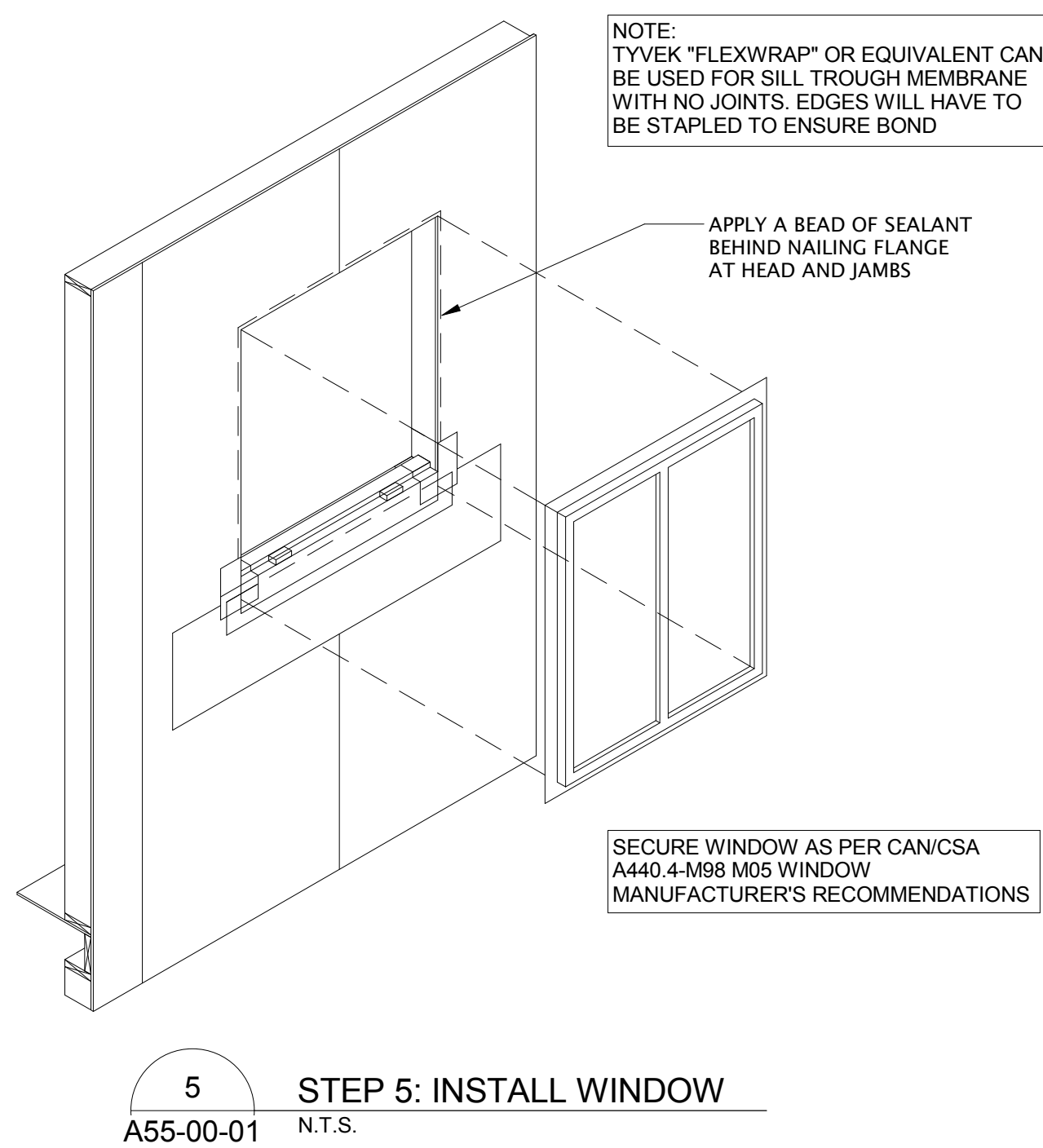
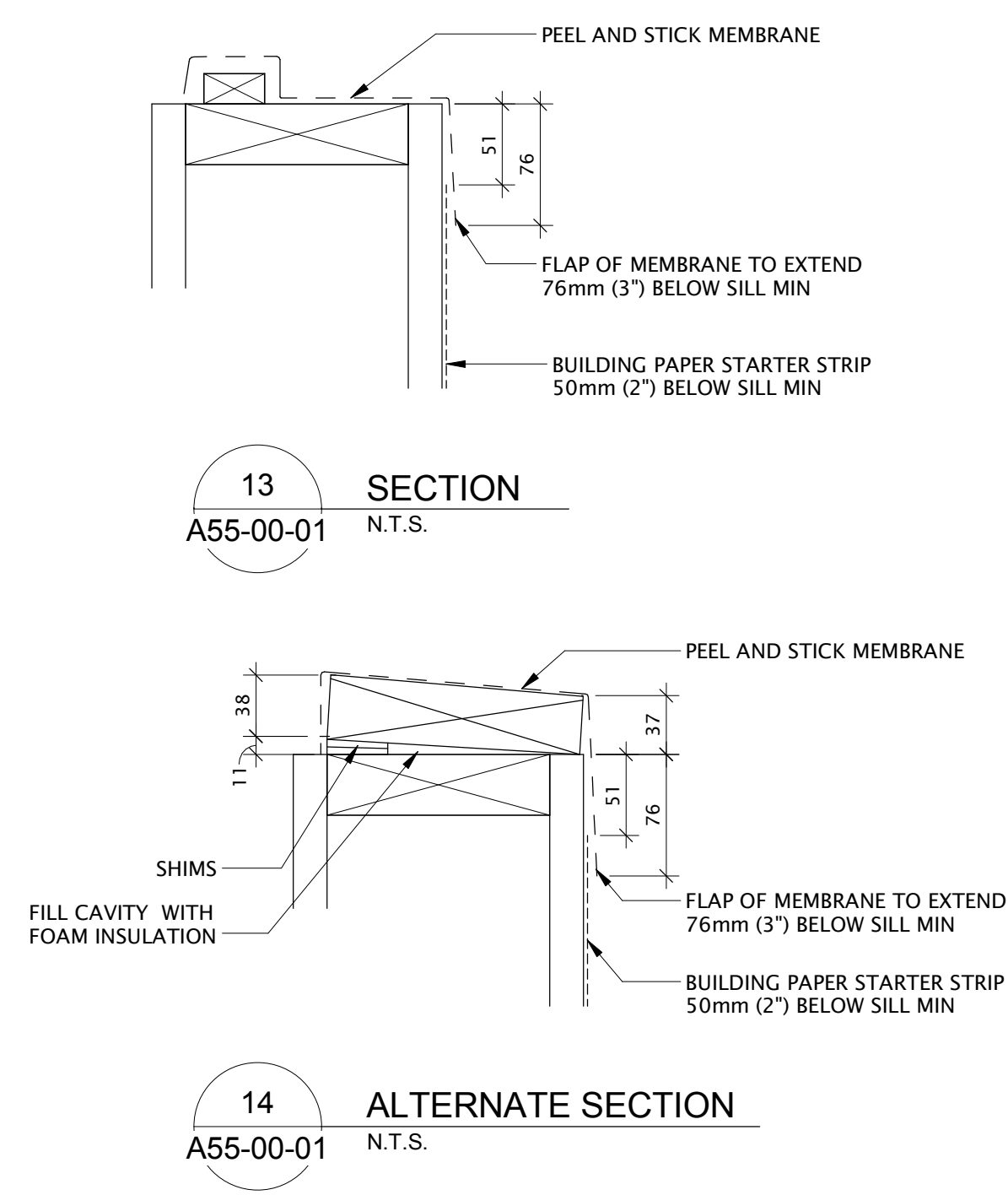
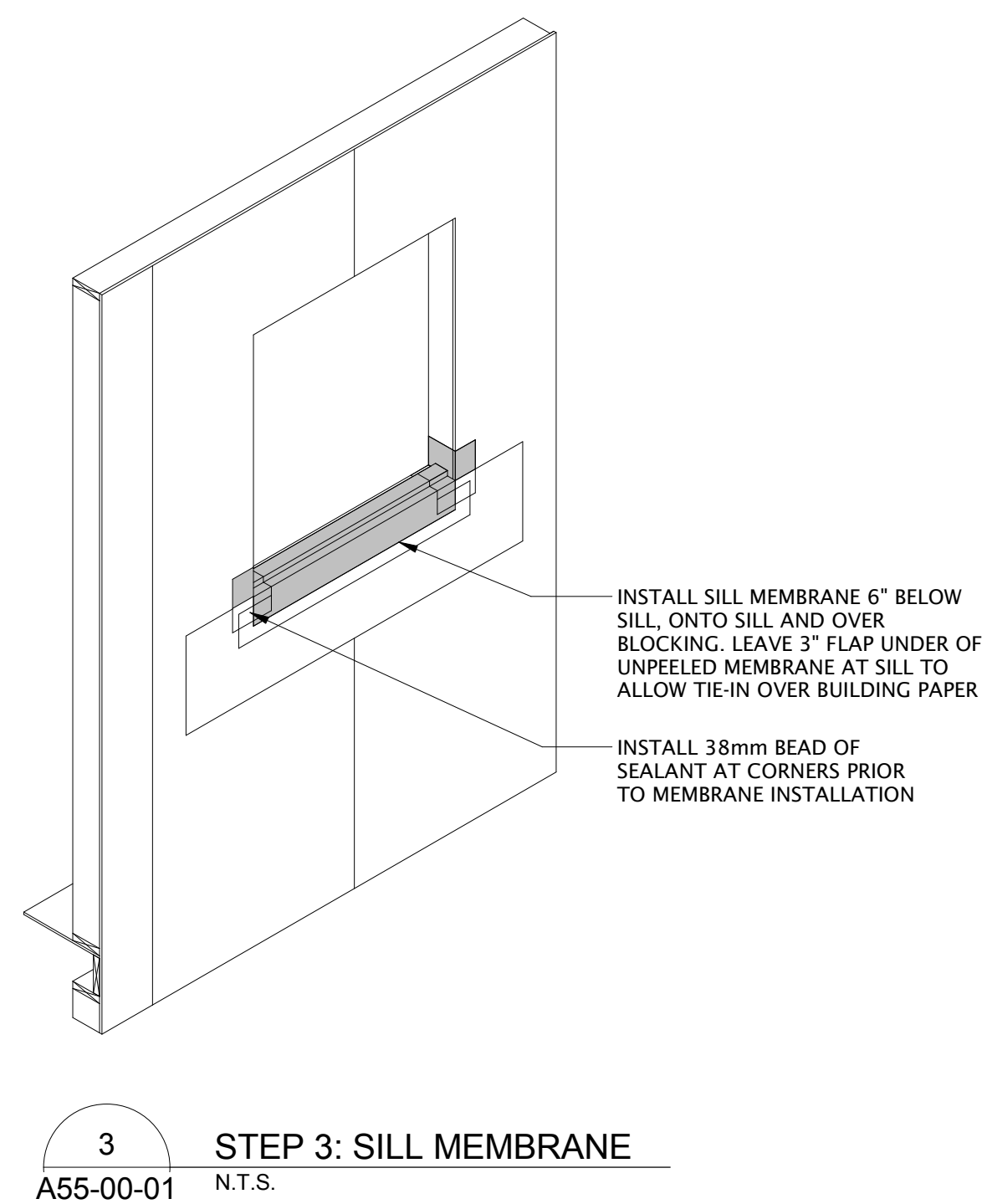
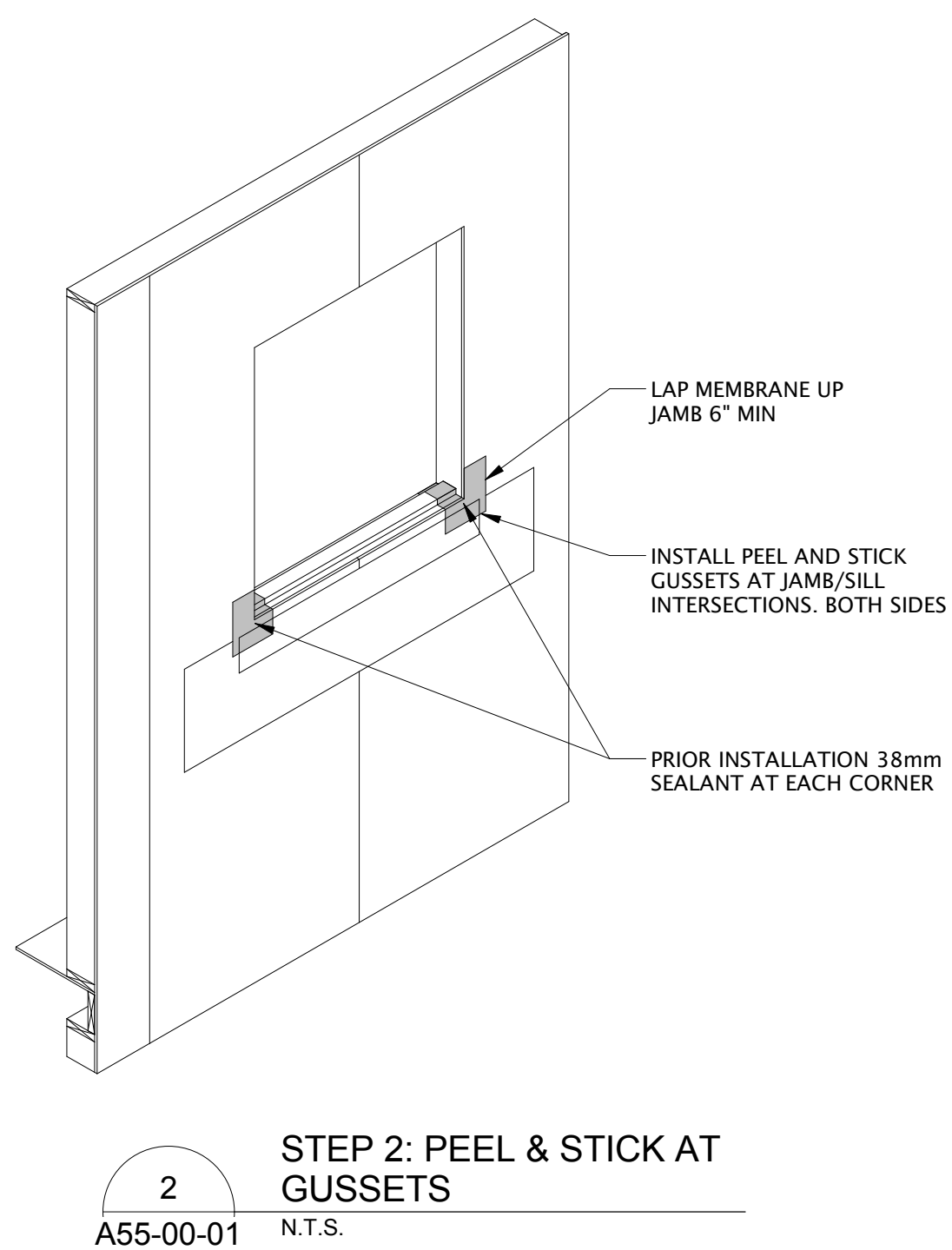
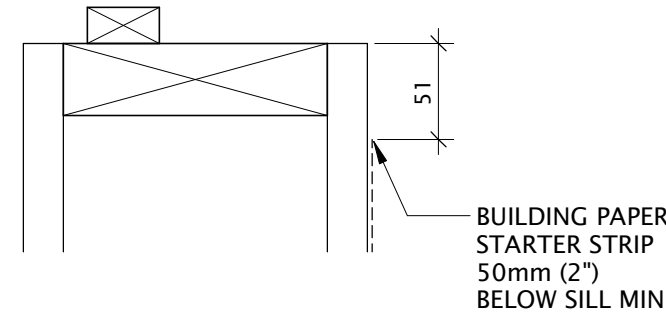
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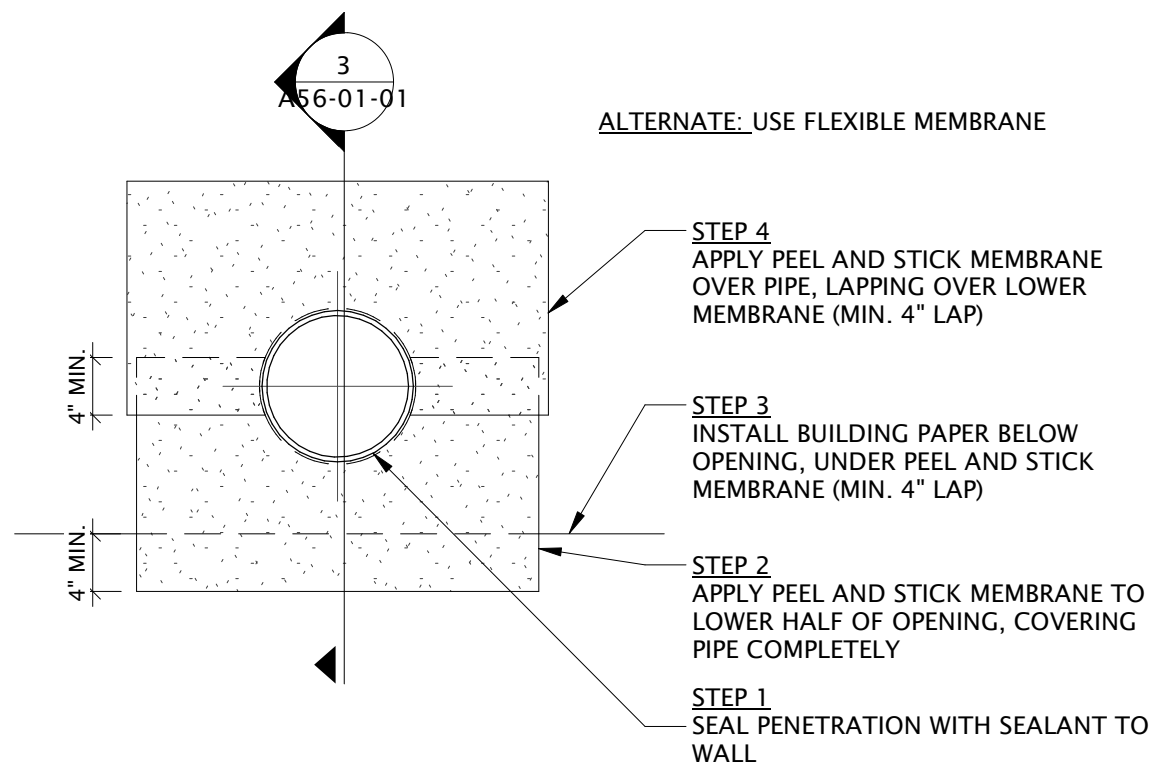
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Bruce McEwen, Architect, AIA, S.Arch, M.A.S.C.
A. David Salsbery, Architect, AIA, S.Arch, M.A.S.C.
Adam Tordella, P.Eng., A.P.E.C.A.
Chris Van Pelt, A.P.E.C.A.

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

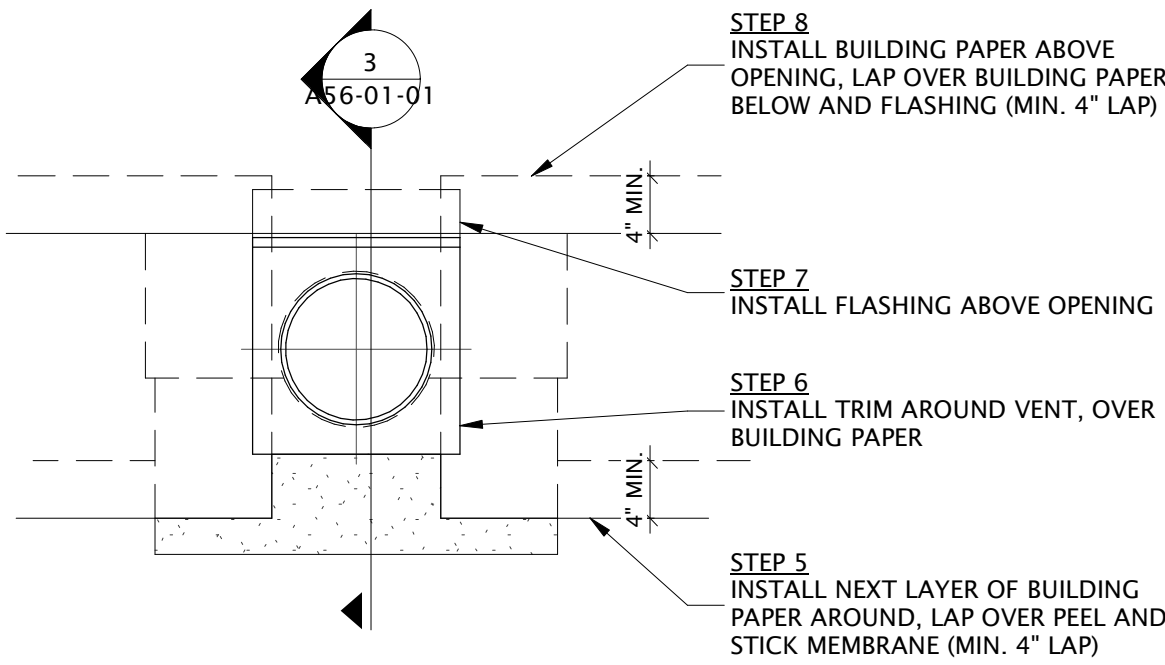
| |
|---|
| PARKS CANADA AGENCY |
| Jasper National Park, Jasper, AB |
| Project |
| JASPER PARK STAFF HOUSING |
| 918 Patricia Street & 910 Patricia Street JASPER, AB |
| Drawing Title |
| SECTION DETAILS |
| Scale |
| 1 : 8 |
| Project No. |
| NCEM17-0002 |
| Drawing No. |
| A52-01-02 |



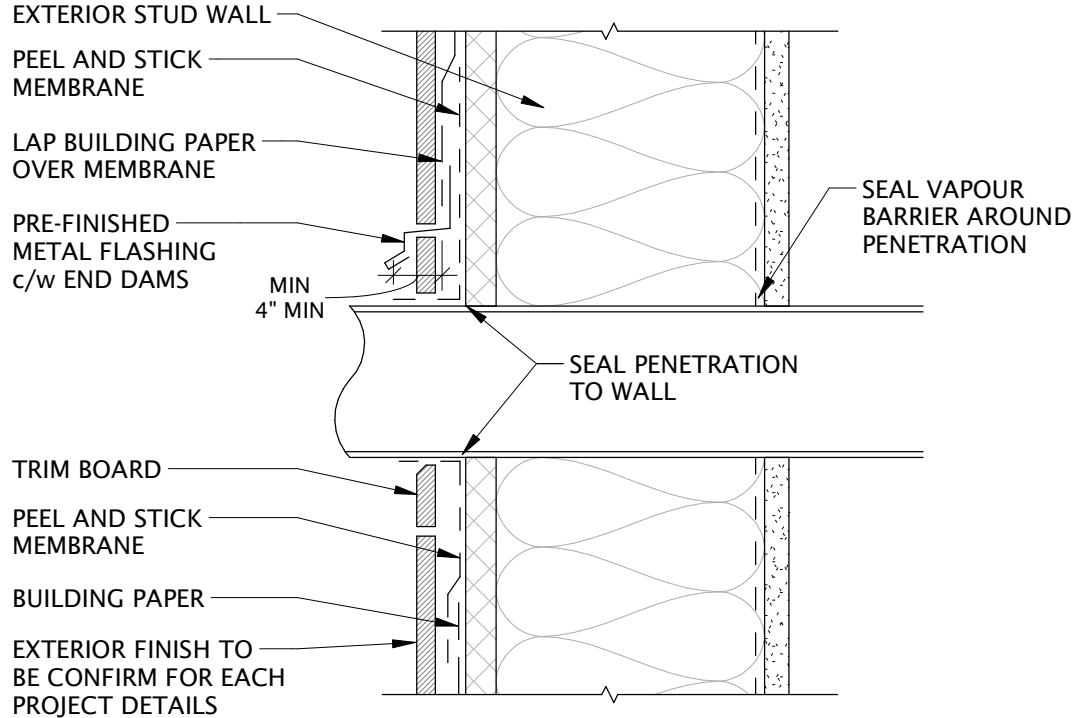
Drawing No. **A55-00-01**



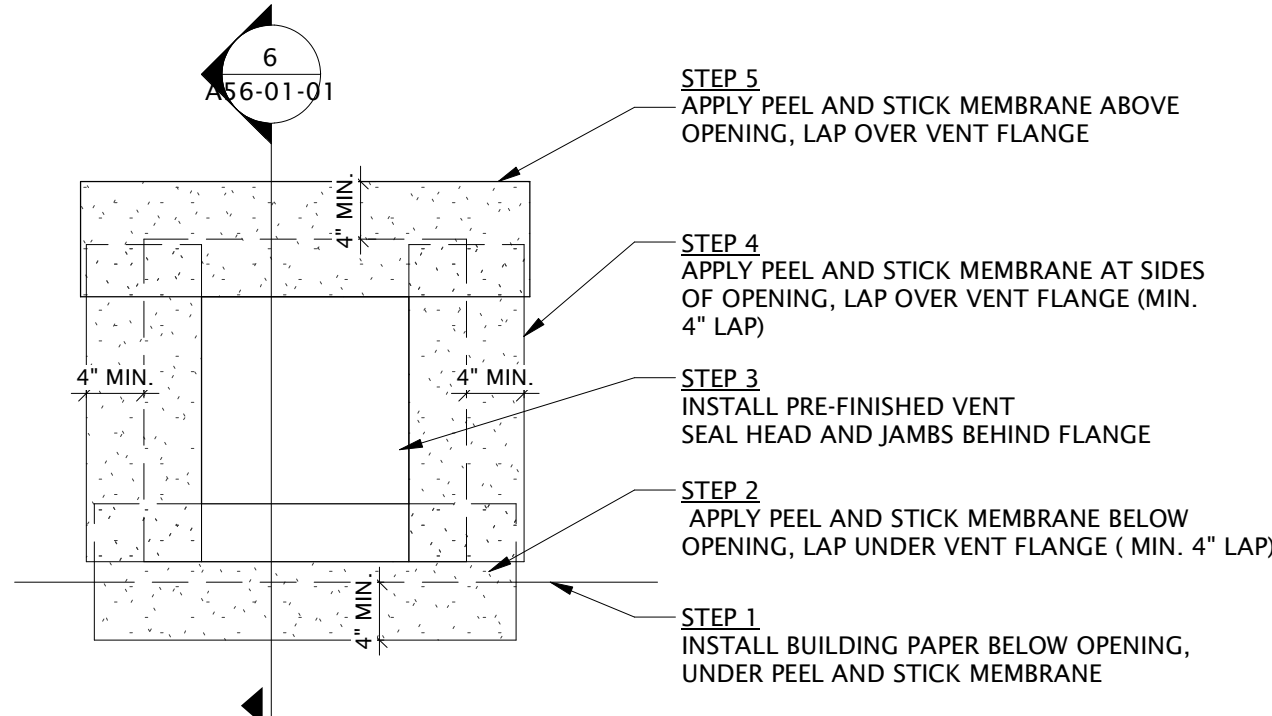
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PENETRATION ROUND-STAGE 1
SCALE: 1 : 12



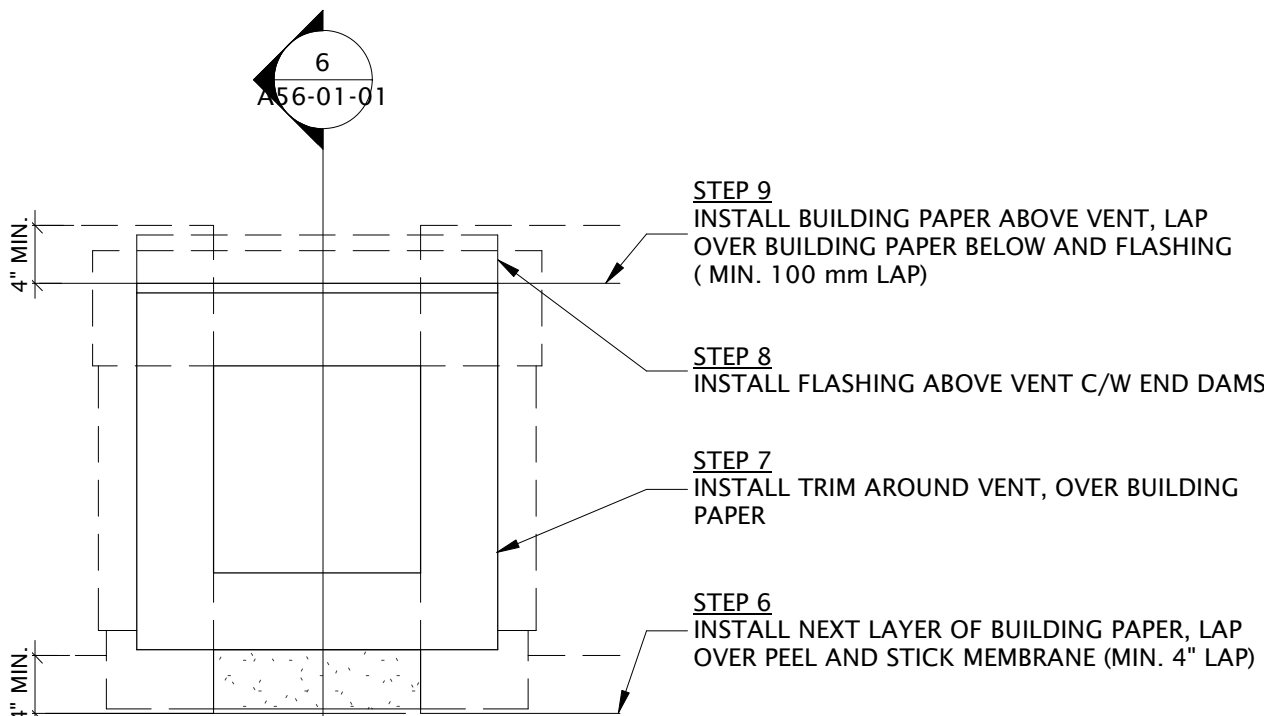
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PENETRATION ROUND-STAGE 2
SCALE: 1 : 12



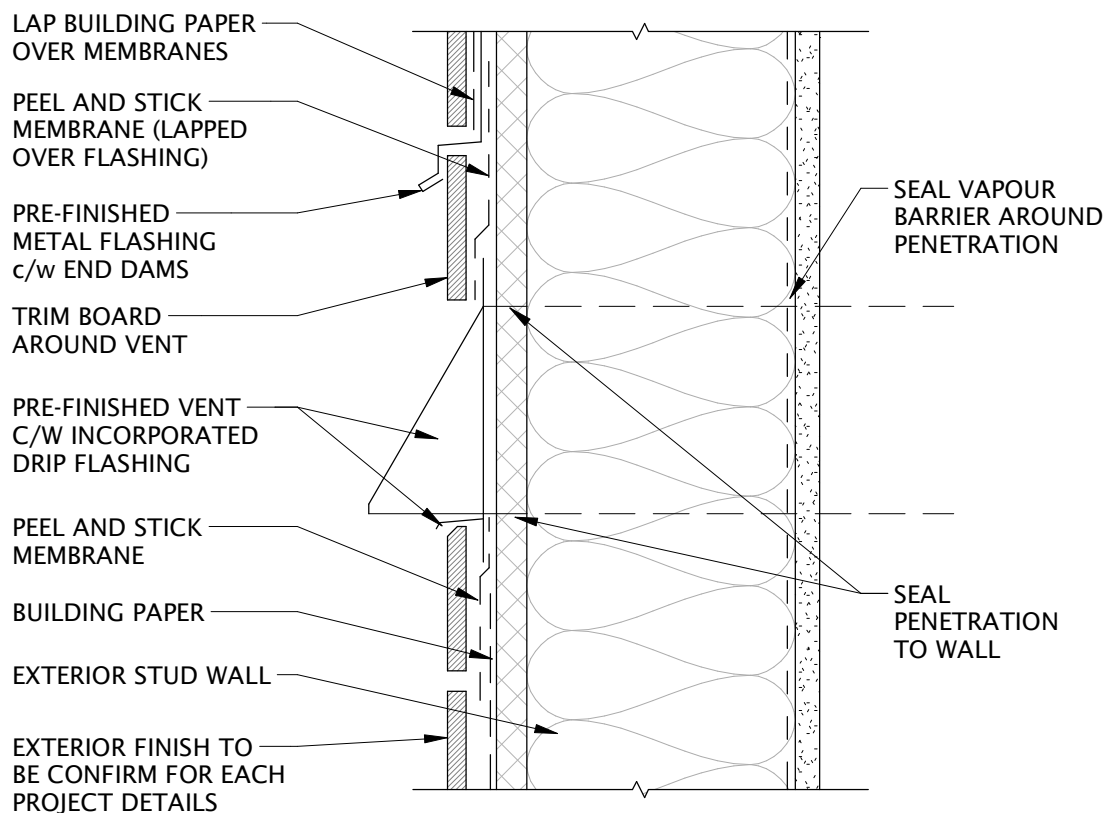
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A56-01-01
PENETRATION ROUND-SECTION
SCALE: 1 : 12



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

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

| DATE | ISSUED FOR | REV |
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Project Component

Key Plan

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|---------------|------------------------------------|
| Consultants | McHanney Consulting Services Ltd. |
| Civil: | NORR Architects Engineers Planners |
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| Architecture: | NORR Architects Engineers Planners |
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| Electrical: | NORR Architects Engineers Planners |

Seal(s)

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Alicia Tordella, P.Eng., A.P.E.C.A.
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

918 Patricia Street & 910 Patricia Street
JASPER, AB

Drawing Title

MISCELLANEOUS DETAILS

Scale 1 : 12

Project No. NCEM17-0002

Drawing No. A56-01-01