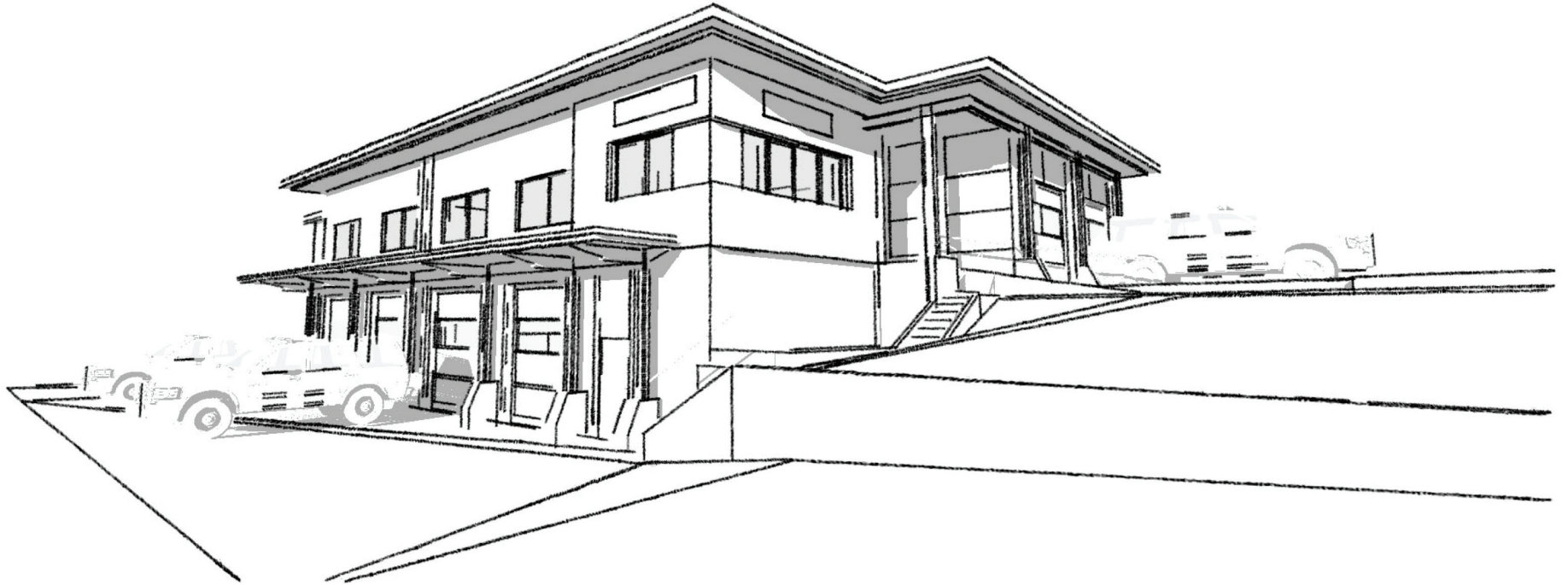


ATTACHMENT A



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| 11 | 2000-05-18 | Issued for BP Application |
| 12 | 2000-05-21 | For Review |
| 13 | 19-05-2000 | 19-05-2000 |
| 14 | AK | OK |
| 15 | AK/MSK | 10/02 |

NOTE: All dimensions are shown in feet & inches

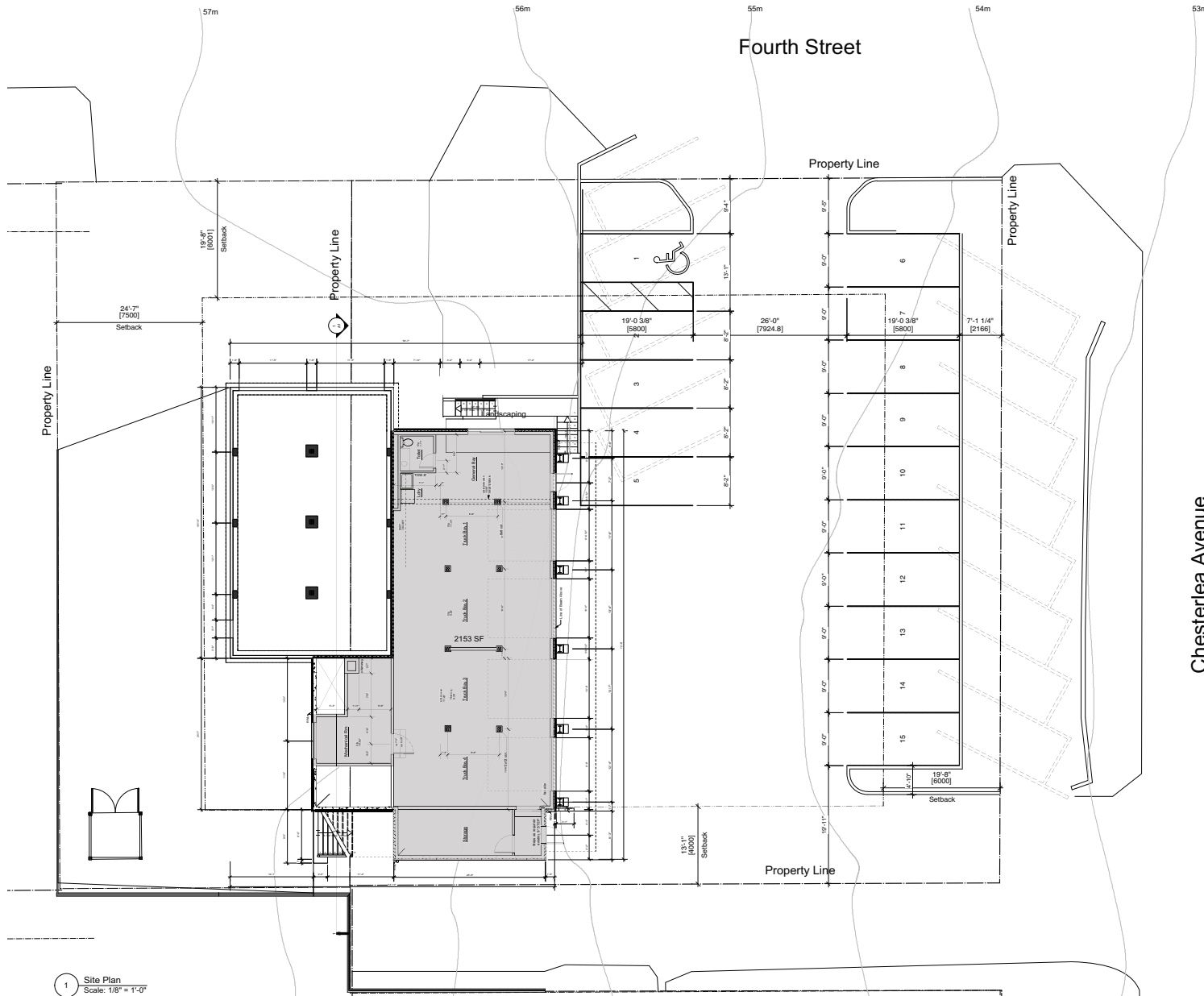
de Hoog & Kieruff architects
 107 East 5th Street
 Nanaimo, BC V1Y 1K1
 Tel: 250-754-5187

107 East 5th Street
 Nanaimo, BC V1Y 1K1
 Tel: 250-754-5187

Nanaimo Search & Rescue
 1911 50th Street
 Nanaimo, BC

Cover Page

| | |
|------|---|
| A100 | - |
|------|---|



1 Site Plan
Scale: 1/8" = 1'-0"

2 Site Data

LEGAL DESCRIPTION

LOT A, SECTION 1, NANAIMO DISTRICT, PLAN 10331, HAREWOOD FIREHALL-
COMMUNITY HALL, ETC
&
THAT PART OF SECTION 28, RANGE 9, SECTION 1, NANAIMO DISTRICT, PLAN 630,
SHOWN OUTLINED IN RED ON PLAN 563R (LEASE TO RDN - SEARCH & RESCUE)

Municipal Address
191 & 195 Fourth Street,
Nanaimo, B.C.

SITE DATA

Site Area : 13200 6000 19200 SF total
Site coverage : 18.5%

Building Area:
Main Floor: 3547 sq.ft. 329 m2
Lower Floor: 2153 sq.ft. 200 m2

Occupancy unchanged
Fire Hall / Search & Rescue
Parking unchanged, Overhead doors reinstalled at lower level.

A total of 16 Currently provided, 3 to be removed at reinstallation overhead doors
13 Provided Parking Stalls

Chesterlea Avenue

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NOTE: All dimensions are shown in feet & inches

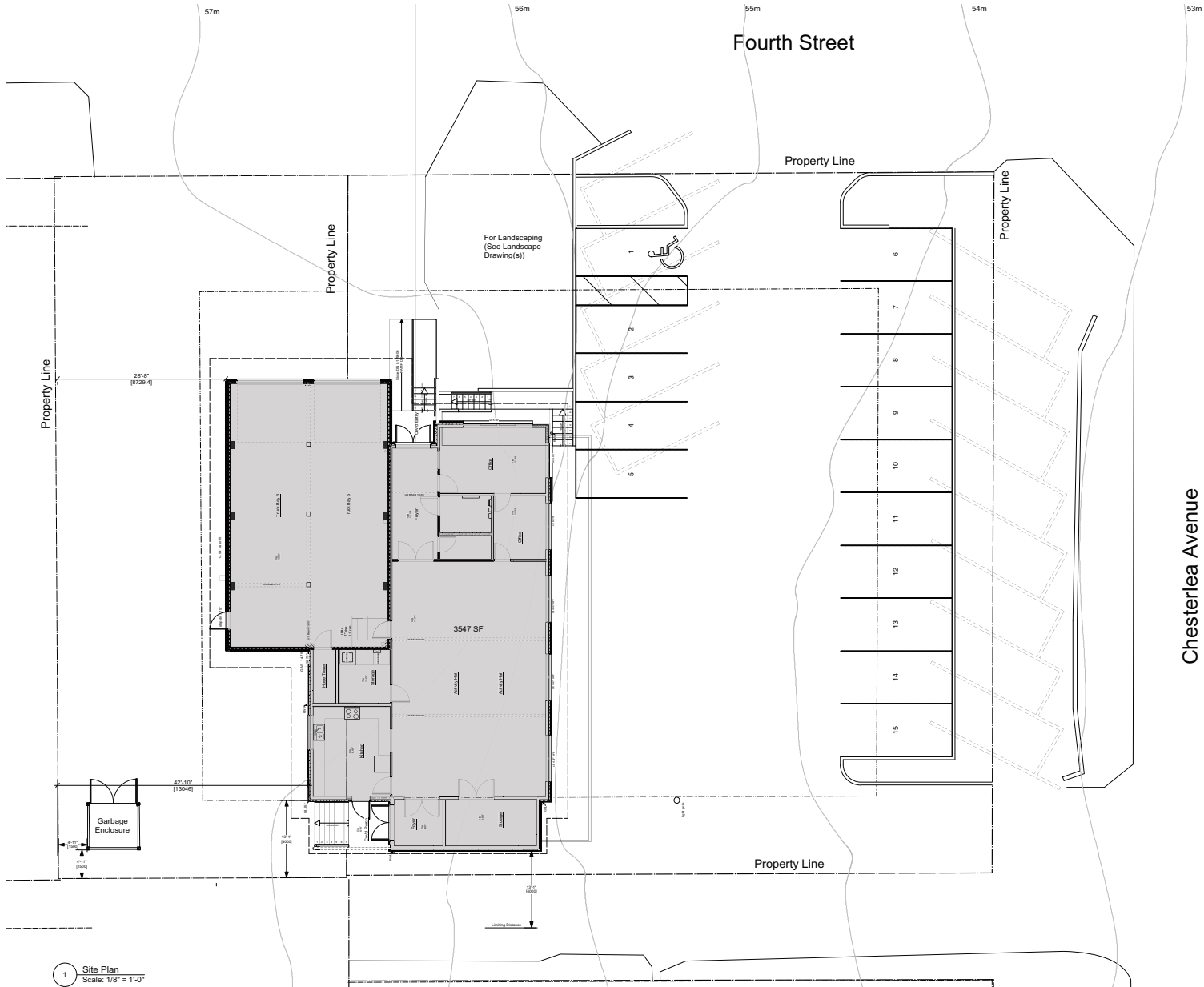
de Hoog & Kieruff architects
 107 East Street
 Nanaimo, BC V9R 1G1
 Tel: 250-253-5157

107 East Street
 Nanaimo, BC V9R 1G1
 Tel: 250-253-5157

Nanaimo Search & Rescue
 191 & 195 4th Street
 Nanaimo, BC

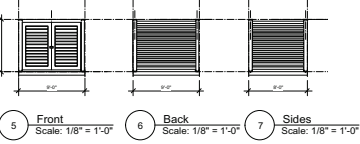
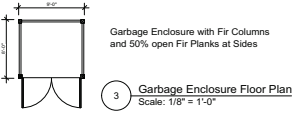
Lower Level Site Plan

A101



1 Site Plan
Scale: 1/8" = 1'-0"

2 Garbage Enclosure



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| 11 | 2020-03-18 | Issued for RP Application |
| 12 | 2020-03-21 | For Review |
| 13 | 19-01-2020 | Approved |
| 14 | 18-01-2020 | Approved |
| 15 | 18-01-2020 | Approved |
| 16 | 18-01-2020 | Approved |
| 17 | 18-01-2020 | Approved |
| 18 | 18-01-2020 | Approved |
| 19 | 18-01-2020 | Approved |
| 20 | 18-01-2020 | Approved |

NOTE: All dimensions are shown in feet & inches

de Hoog & Kieruff architects
 1377 East Street
 Nanaimo, BC V9A 5K1
 1-250-464-5147

1377 East Street
 Nanaimo, BC V9A 5K1
 1-250-464-5147

Nanaimo Search & Rescue
 1311 50th Street
 Nanaimo, BC

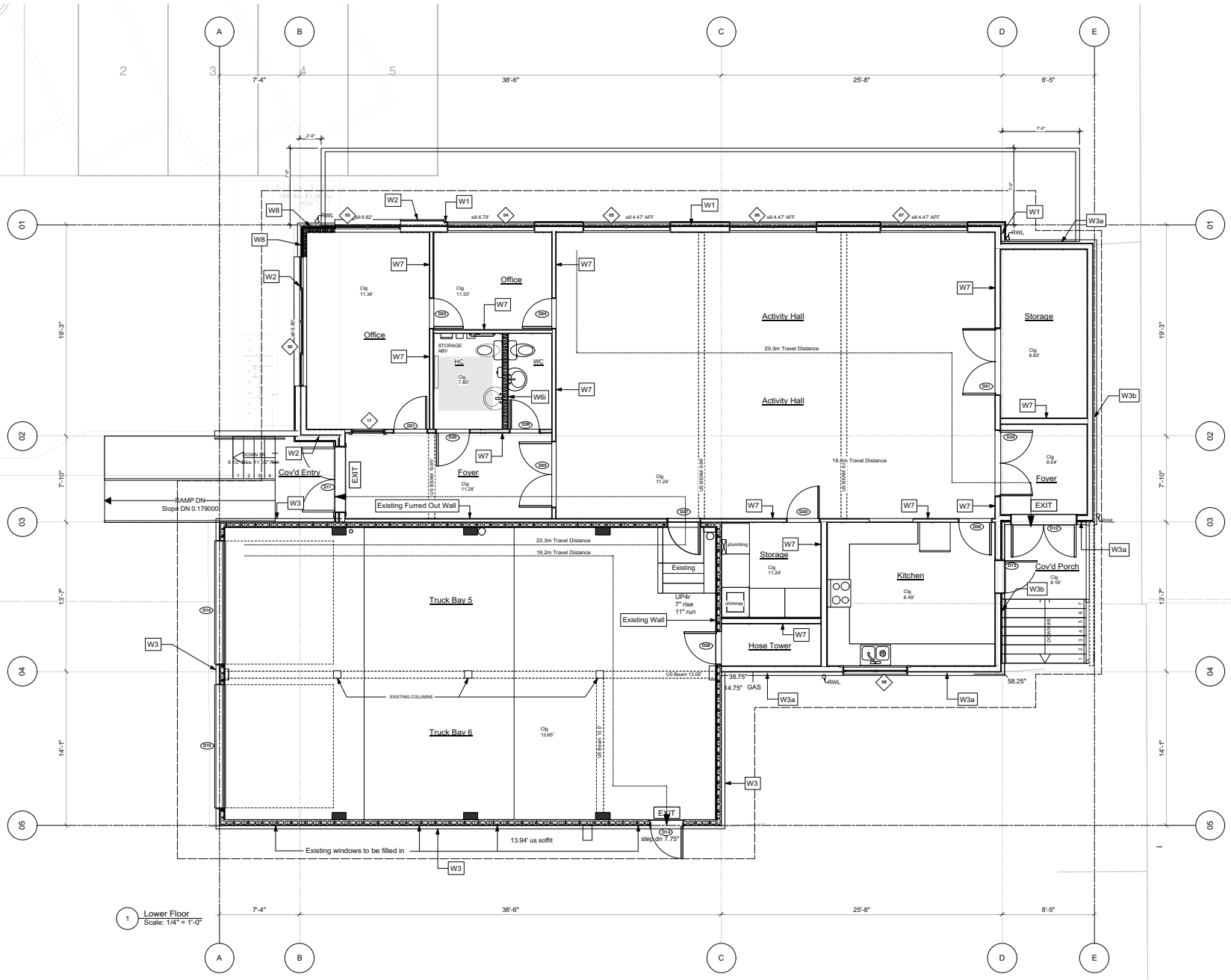
Upper Site Plan

A102 -



Chesterlea Avenue

Fourth Street



1 Lower Floor
Scale: 1/4" = 1'-0"

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| 12 | 2020-05-21 | For Review |
| 13 | 19-05-2020 | Approved |
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NOTE: All dimensions are shown in feet and inches.

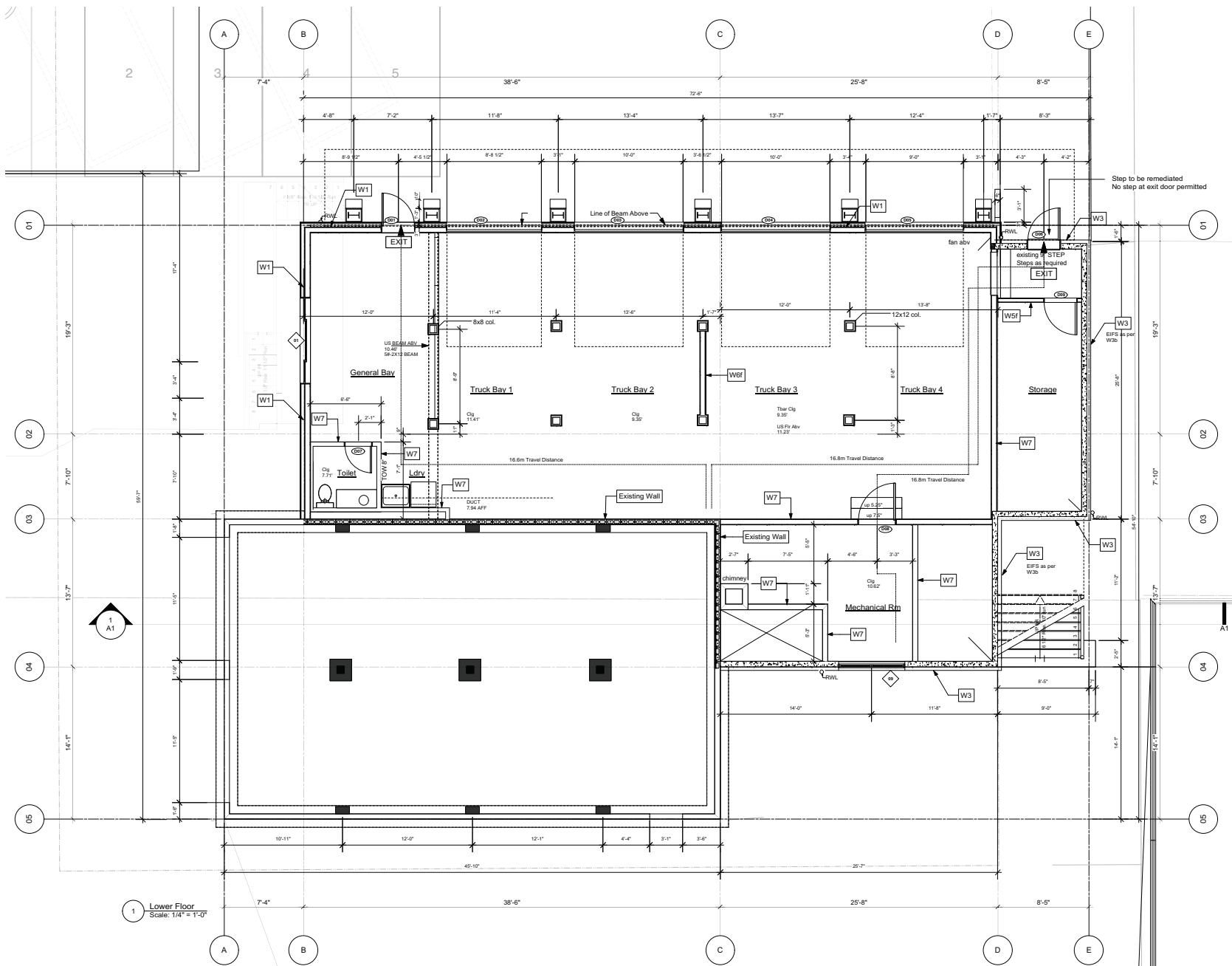
de Hoog & Kieruff architects
 137 East Street
 Nanaimo, BC V9R 1G3
 Tel: 250-754-1111
 Fax: 250-754-1112

Nanaimo Search & Rescue
 1391 56th Street
 Nanaimo, BC
 Tel: 250-754-1111
 Fax: 250-754-1112

Main Floor Plan

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| Project No. | A201 |
| Revision | - |





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| 11 | 2020-05-18 | Issued for RF Application |
| 12 | 2020-05-21 | For Review |
| 13 | 19-05-2020 | For Review |
| 14 | 18-05-2020 | For Review |
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| 50 | 18-05-2020 | For Review |

NOTE: All dimensions are shown in feet & inches

de Hoog & Kieruff architects
 137 East Street
 Nanaimo, BC V9A 1G1
 Tel: 250-251-1111
 Fax: 250-251-1112

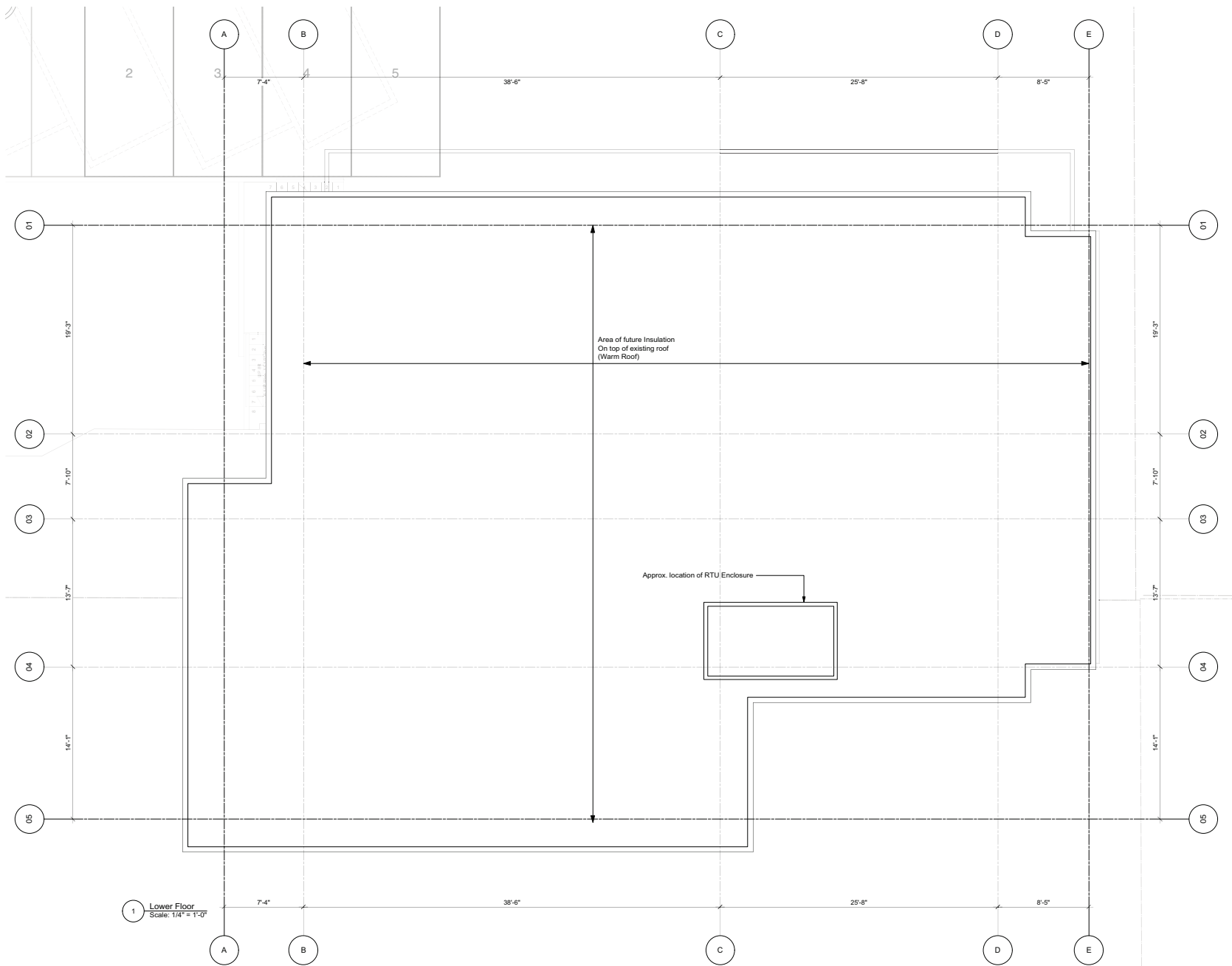
Nanaimo Search & Rescue
 1311 156 4th Street
 Nanaimo, BC
 Tel: 250-251-1111
 Fax: 250-251-1112

Lower Floor Plan

A202



1 Lower Floor
 Scale: 1/4" = 1'-0"



1 Lower Floor
Scale: 1/4" = 1'-0"

Area of future Insulation
On top of existing roof
(Warm Roof)

Approx. location of RTU Enclosure

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NOTE: All dimensions are shown in feet & inches

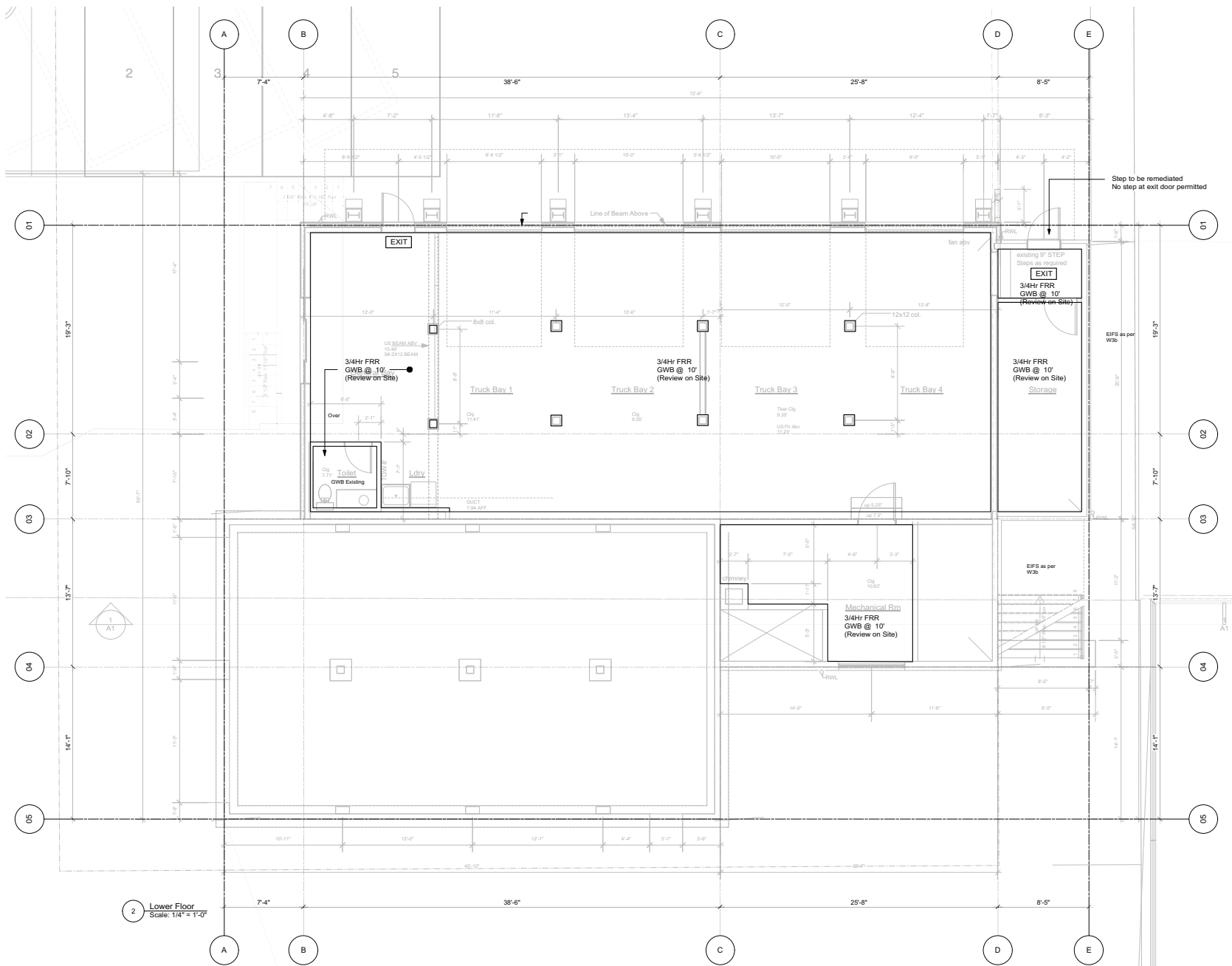
de Hoog & Kieruff architects
 1377 East 5th Street, Nanaimo, BC V9E 2K1
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Nanaimo Search & Rescue
 1371 1/2 4th Street
 Nanaimo, BC

Roof Plan

A203





Step to be remediated
No step at exit door permitted

3/4 Hr FRR
GWB @ 10'
(Review on Site)

3/4 Hr FRR
GWB @ 10'
(Review on Site)

existing 9" STEP
Steps to be removed
EXIT
3/4 Hr FRR
GWB @ 10'
(Review on Site)
Storage

Mechanical Rm
3/4 Hr FRR
GWB @ 10'
(Review on Site)

EIFS as per
W3b

2 Lower Floor
Scale: 1/4" = 1'-0"

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| 11 | 2020-10-18 | Issued for RF Application |
| 12 | 2020-09-21 | For Review |
| 13 | 18-01-2020 | Approved |
| 14 | 18-01-2020 | Approved |
| 15 | 18-01-2020 | Approved |
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| 19 | 18-01-2020 | Approved |
| 20 | 18-01-2020 | Approved |

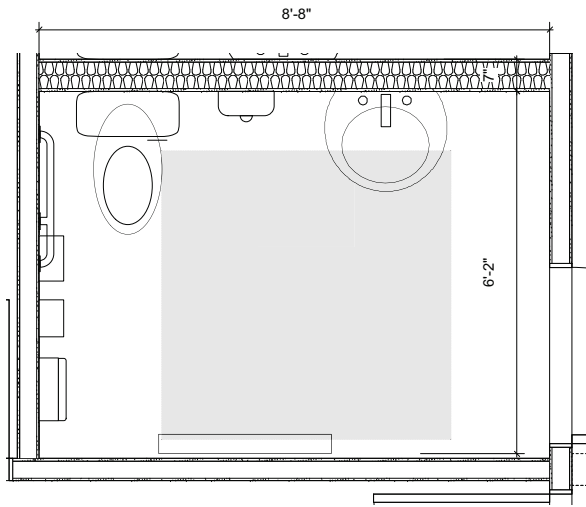
NOTE: All dimensions are shown in feet & inches

de Hoog & Kieruff architects
 177 East 5th Street, Nanaimo, BC V9B 2G4
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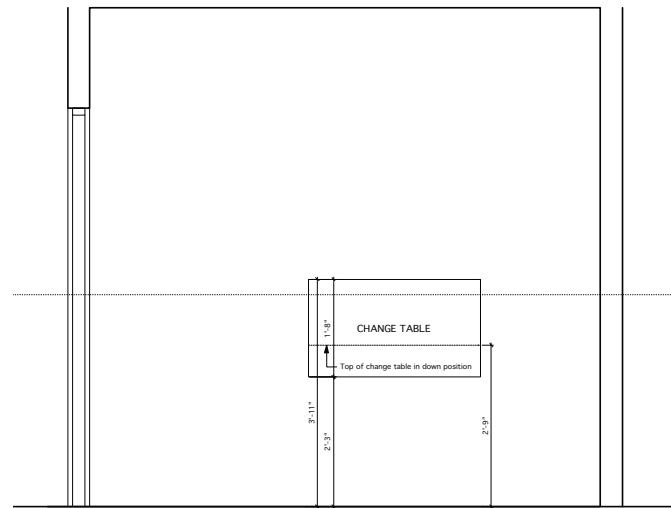
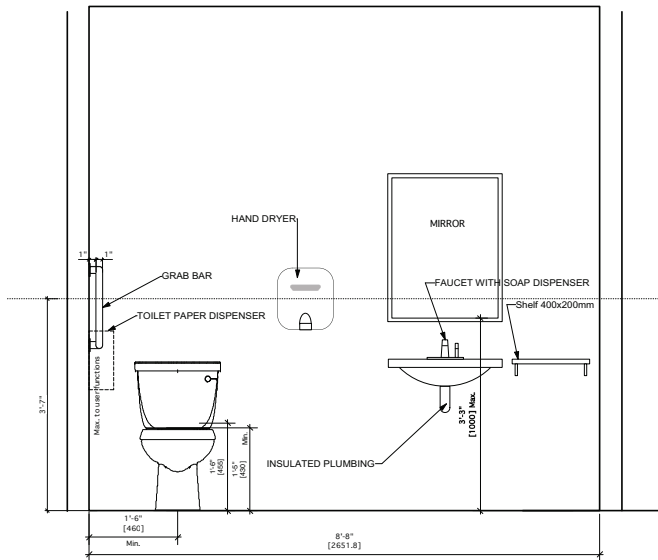
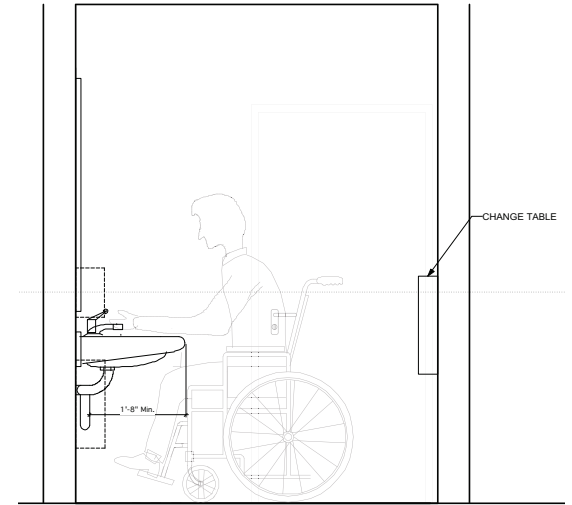
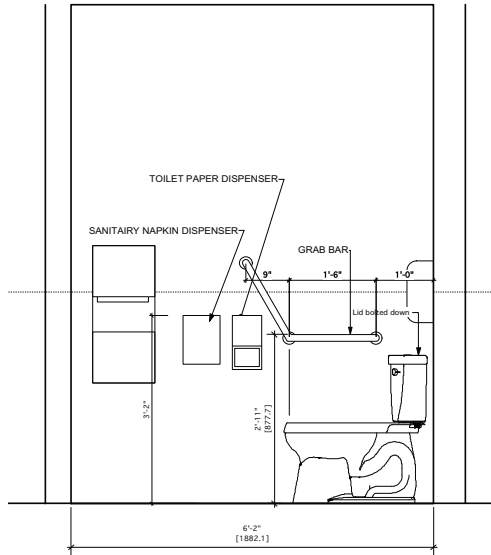
Nanaimo Search & Rescue
 1911 35th Street
 Nanaimo, BC

RCP Lower Floor

A204



1 HIC PLAN
Scale: 1" = 1'-0"



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| 11 | 2020-03-18 | Issued for RF Application |
| 12 | 2020-03-21 | For Review |
| 13 | 19 01 2020 | Approved |
| 14 | 18 01 2020 | Approved |
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| 18 | 18 01 2020 | Approved |
| 19 | 18 01 2020 | Approved |
| 20 | 18 01 2020 | Approved |

NOTE: All dimensions are shown in feet & inches

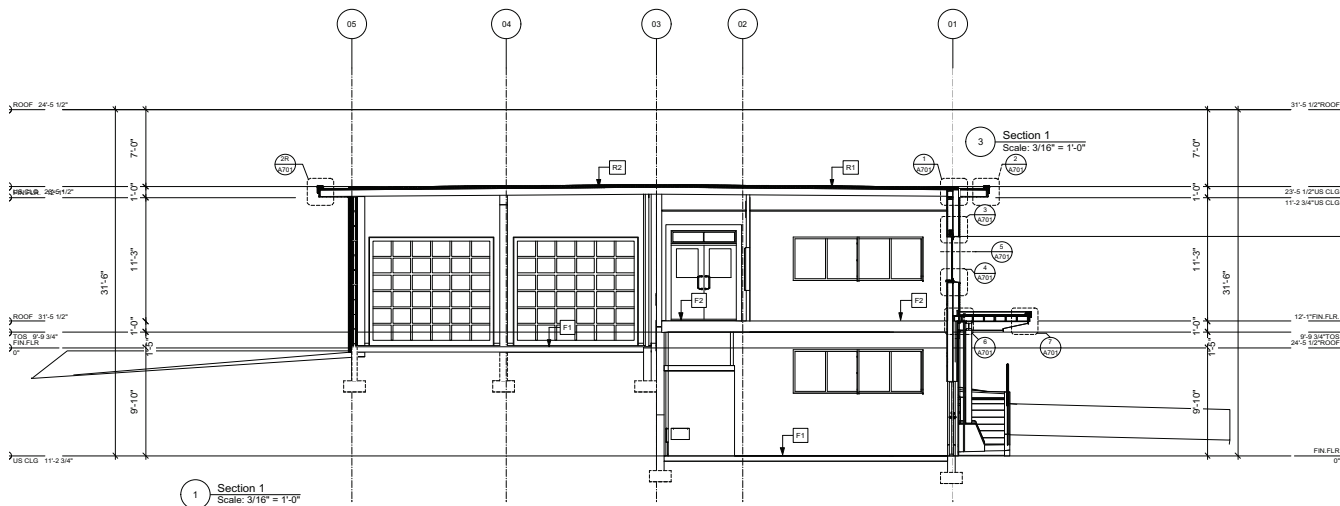
de Hoog & Kieruff architects
 137 East 5th Ave
 Nanaimo, BC V9S 1K1
 T 250-253-5187

137 East 5th Ave
 Nanaimo, BC V9S 1K1
 T 250-253-5187

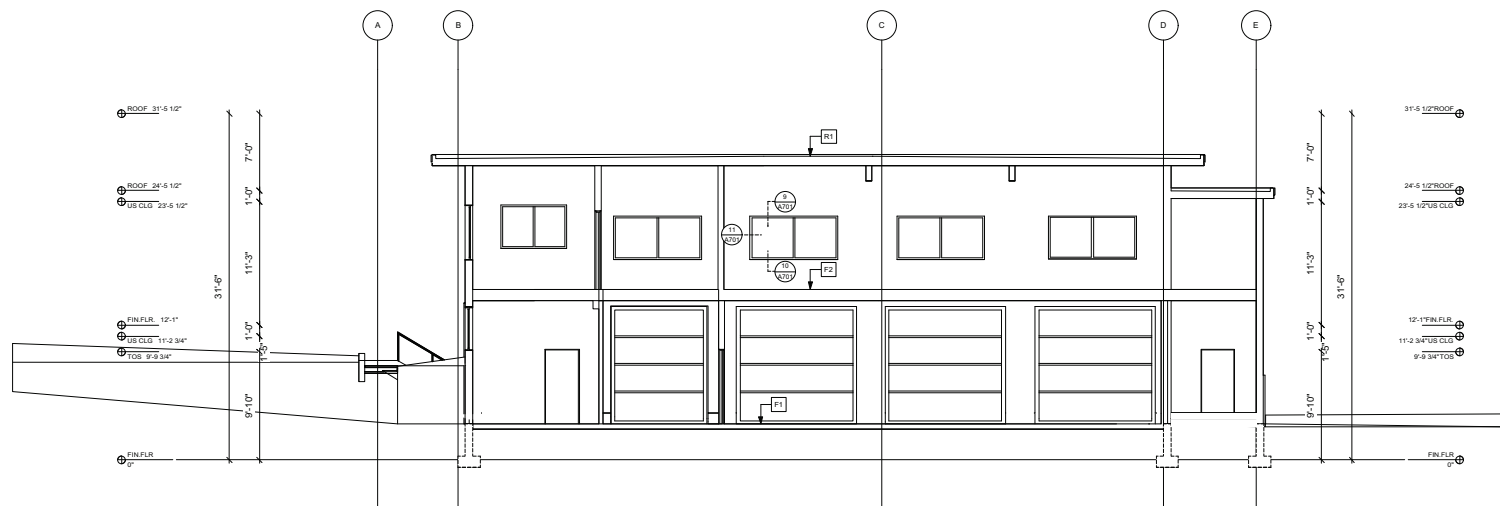
Nanaimo Search & Rescue
 1371 56th Street
 Nanaimo, BC

HIC Washroom

| | |
|--------------|------|
| Project No. | |
| Revision No. | |
| Scale | |
| Date | |
| Author | |
| Checker | |
| Appr. | |
| Drawn | |
| Sheet No. | A206 |
| Total Sheets | - |



1 Section 1
Scale: 3/16" = 1'-0"



2 Section 2
Scale: 3/16" = 1'-0"

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NOTE: All dimensions are shown in feet & inches

de Hoog & Kieruff architects
 1377 East 5th Street
 Nanaimo, BC V9B 2K1
 Tel: 250-754-1111
 Fax: 250-754-1112
 Email: info@dehoogkieruff.com

Nanaimo Search & Rescue
 1371 126 4th Street
 Nanaimo, BC

Sections

| | |
|---------|-------|
| Section | Sheet |
| A401 | - |

1 ASSEMBLIES

| | | | |
|-----------------|--|---|-------------|
| W1 | | <p>EXTERIOR WOOD FRAME WALL (Heated)</p> <ul style="list-style-type: none"> 5/16" Fibre Cement Plank 3/4" 1x4 FT Strapping 4" EPS c.l. Insulation, R16 Tyvek commercial wrap air - moisture barrier Existing Plywood 3 1/2" Wood Studs @ 600mm. o.c. 5/8" Type "X" GWB | |
| W2 | | <p>EXTERIOR STEEL FRAME WALL (Heated)</p> <ul style="list-style-type: none"> 7/8" Corrugated metal (Horizontal) 1/2" Hat rack Rain screen drainage system 6" EPS c.l. Insulation, R24 Tyvek commercial wrap air - moisture barrier Existing Plywood 3 1/2" Wood Studs @ 600mm. o.c. 5/8" Type "X" GWB | |
| W3 | | <p>EXTERIOR CONCRETE BLOCK WALL (Heated)</p> <ul style="list-style-type: none"> 4" EPS Exterior EPS insulation c/w Synthetic Stucco Finish, U=0.064 or R16 (Continuous Insulation) (Dryvit) Rain screen drainage system according manufacturers instructions Moisture / Air barrier according manufacturers instructions Existing (152mm) Reinforced Concrete Block or Poured Concrete (refer to structural for rebar/cmp) | |
| W3a | | <p>EXTERIOR WOOD FRAME WALL (Heated)</p> <ul style="list-style-type: none"> 4" EPS Exterior EPS insulation c/w Synthetic Stucco Finish, U=0.064 or R16 (Continuous Insulation) (Dryvit) Rain screen drainage system according manufacturers instructions Moisture / Air barrier according manufacturers instructions Existing Plywood 3 1/2" Wood Studs @ 600mm. o.c. 5/8" Type "X" GWB | |
| W3b (AS W3a) | | <p>EXTERIOR WOOD FRAME WALL (Heated)</p> <ul style="list-style-type: none"> 4" EPS Exterior EPS insulation c/w Synthetic Stucco Finish, U=0.064 or R16 (Continuous Insulation) (Dryvit) Rain screen drainage system according manufacturers instructions Moisture / Air barrier according manufacturers instructions Existing Plywood 3 1/2" Wood Studs @ 600mm. o.c. 5/8" Type "X" GWB | |
| W4 | | <p>EXTERIOR WOOD FRAME WALL (Heated)</p> <ul style="list-style-type: none"> 5/16" Fibre Cement Paneling 3/4" 1x4 FT Strapping 4" EPS c.l. Insulation, R16 Tyvek commercial wrap air - moisture barrier Existing Plywood 3 1/2" Wood Studs @ 600mm. o.c. 5/8" Type "X" GWB | |
| W5 | | <p>INTERIOR WALL (CBC 2018, W1d)</p> <ul style="list-style-type: none"> 5/8" Gwb Type X 3 1/2" Wd Studs @ 16-24" o.c. 5/8" Gwb Type X | STC 32 |
| W5f | | <p>WSF with 1hr FRR (ULC Design U309)</p> | |
| W6 | | <p>INTERIOR WALL (CBC 2018, W1a)</p> <ul style="list-style-type: none"> 5/8" Gwb Type X 5 1/2" Wd Studs @ 16-24" o.c. 5/8" Gwb Type X W6f with acoustic batt insulation W6f with 1 hr FRR (ULC Design U309) | STC 32 / 36 |
| W6i | | | |
| W6f | | | |
| W7 | | <p>INTERIOR WALL EXISTING</p> <ul style="list-style-type: none"> Gwb Studs Gwb | |
| W8 | | <p>EXTERIOR WOOD FRAME WALL (Heated)</p> <ul style="list-style-type: none"> 5/16" Fibre Cement Plank 3/4" 1x4 FT Strapping 4" EPS c.l. Insulation, R5 Tyvek commercial wrap air - moisture barrier Existing Plywood 5 1/2" Wood Studs @ 600mm. o.c. filled with FG Batt Insulation (R21) Gwb Poly Vapour retarder (overlapping) 5/8" Type "X" GWB | |

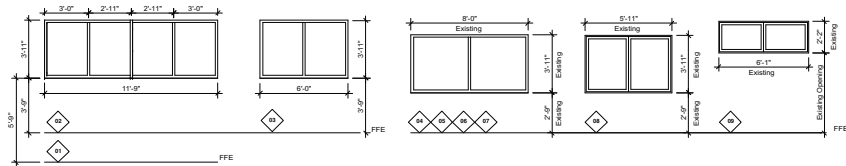
| | | |
|----|--|---|
| F1 | | <p>EXISTING CONCRETE SLAB ON GRADE</p> <ul style="list-style-type: none"> CONCRETE SLAB ON GRADE (see structural) UNKNOWN SUB FLOOR CONDITIONS |
| F2 | | <p>MAIN FLOOR - 1HR F.R.R. / CBC F4a - 1HR. F.R.R. (CBC Appendix D D-2.3.4.4,F,G)</p> <ul style="list-style-type: none"> 1/2" SUB FLOOR 5/8" PL WOOD (see structural) 3/4" T&G SHIPLAP (see structural) 2X10" WOOD JOIST @ 16" O/C (see structural) REBAR AT 16" O/C 2 LAYERS 1/2" TYPE X GYPSUM WALLBOARD |
| R1 | | <p>FLAT ROOF (Existing)</p> <ul style="list-style-type: none"> AS IS. NEW 1-BAR CEILING |
| R2 | | <p>FLAT ROOF (TO RCBC STANDARDS)</p> <ul style="list-style-type: none"> AS IS. EXISTING ROOF SHEATHING (REPAIRED WHERE NEEDED) EXISTING ROOF STRUCTURE EXISTING GYPSUM WALLBOARD CEILING RENEW WERE NEEDED |

2 BUILDING CODE SUMMARY

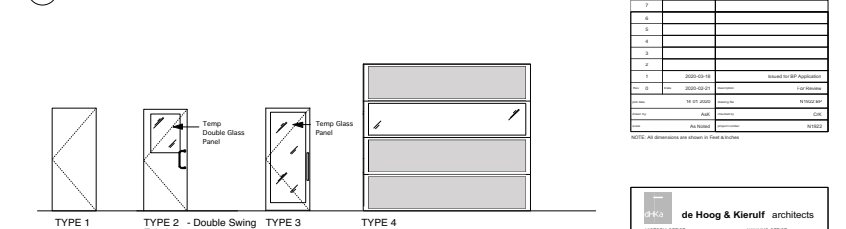
| Article | Code Requirements | CBC 2018 | Comments | Mar 19, 2025 |
|---------------|--|---|---|--------------|
| | Sprinklered | Yes | To be added to existing | |
| | Fire Alarm | NO | | |
| | No. of Storeys | 2 Storey | | |
| 3.1.2.1. | Occupancy Classification: | Part 3, A2 Assembly F5 Storage garage | | |
| 3.1.3.1. | Major Occupancy Separation | 1 Hr FRR requirement between A and F1 | | |
| 3.1.17.1 | Occupant Load | Unchanged use | As per existing | |
| 3.2.2.86. | Building Classification: | | | |
| 3.2.2.86.(a) | Combustible or non-combustible construction | OK | Combustible Construction | |
| 3.2.2.86. | Roof Assembly F.R.R. | N/A | | |
| 3.2.2.86.(a) | Floor Assembly F.R.R. | Fire Separation & Fire Resistance Rating min. 3/4 HR if of combustible construction | | |
| 3.2.2.86.(2b) | Load Bearing Assembly F.R.R. | 3/4 HR or Non-combustible | | |
| 3.2.3.1.-D | Limiting Distance @ North | 100% unprotected openings allowed at Ld of 0m. (existing 3m) | Actual distance > 6m No FRR required (3.2.3.7) | |
| 3.2.3.1.-D | Limiting Distance @ South towards street | 19.9m2 m2 exposing building face. 100% unprotected openings allowed at Ld of 4m. | Actual distance = 4m No FRR required (3.2.3.7) | |
| 3.2.3.1.-D | Limiting Distance @ South towards Residential | 19m2 m2 exposing building face. 100% unprotected openings allowed at Ld of 3m. | Actual distance = 3m No FRR required (3.2.3.7) | |
| 3.2.3.1.-D | Limiting Distance @ West | 67m2 exposing building face. 100% unprotected openings allowed at Ld of 7m. | Actual distance > 7m No FRR required (3.2.3.7) | |
| 3.2.3.1.-D | Limiting Distance @ East | 69m2 exposing building face. 100% unprotected openings allowed at Ld of 7m. | Actual distance > 7 No FRR required (3.2.3.7) | |
| 3.3.1.21.(3) | Janitor's Rooms | Fire Separation with 0HR FRR (Sprinklered Floor Area) | | |
| 3.3.5.5 | Repair Garage Separation | 2 HR Fire Separation not required | Other functions Part of Garage | |
| 3.1.8.4.(2) | 45 Min. Closures Allowed | >= 1HR Fire Separation | N/A | |
| 3.1.17.1 | Occupant Load | N/A | N/A | |
| 3.4.2.3 | Distance Between Exits | 1/2 of Maximum Diagonal Floor Area but Not > 9m. or Fire Separation 1/3 Floor Area | | |
| 3.4.2.5 | Travel Distance | < 45m (Impervious & Not Fy) | General | |
| 3.7.2.2 | Two existing washrooms upstairs One existing washroom downstairs | The two washrooms will be renewed and one will be an Accessible H/C Washroom | | |
| 3.8.2.7 | Floor Drain | Where Auto-Flush Valves | N/A | |
| 3.8. | Accessibility: General | Exempt Storey Above or Below, Access from Street to Main Entry, Parking, Toilet Room, Other Washroom (>150 Persons), Power Assisted Doors, Access to Areas Admitted to Public | N/A Yes Yes Yes N/A Yes | |
| 3.8.3.6. | Interior Passageways | <=13 mm Change G/F Floor Level, Except as Ramped | | |

5 DOOR SCHEDULE

| DOOR NO | ROOM NAME | DOORS | | WIDTH Ft | HEIGHT Ft to FFE | Header | MAT | FRR | FN | AUTO DOOR OPENER | Frame | | | | REMARKS | 2020-03-19 | |
|---------|-----------------------|--------|------|----------|------------------|--------|-----|-----|-------|------------------|----------|-----|--------|-------------|--------------------------------------|------------|--------------|
| | | AMOUNT | TYPE | | | | | | | | DOOR MAT | FFN | Closer | Keyed | | | HARDWARE SET |
| 001 | General Bay 1 | 1 | 1 | 3'-0" | Exist | | | | PT | - | PT | X | X | Panic h/w | Weather Stripping, Existing | | |
| 002 | Truck Bay 1 | 1 | 4 | 8'-10" | 10'-0" | HMI | PT | - | STL | Galv | - | - | - | Lock | Weather Stripping, insulated, O/H-dr | | |
| 003 | Truck Bay 2 | 1 | 4 | 10'-0" | 10'-0" | HMI | PT | - | STL | Galv | - | - | - | Lock | Weather Stripping, insulated, O/H-dr | | |
| 004 | Truck Bay 3 | 1 | 4 | 10'-0" | 10'-0" | HMI | PT | - | STL | Galv | - | - | - | Lock | Weather Stripping, insulated, O/H-dr | | |
| 005 | Truck Bay 4 | 1 | 4 | 9'-0" | 10'-0" | HMI | PT | - | STL | Galv | - | - | - | Lock | Weather Stripping, insulated, O/H-dr | | |
| 006 | EXIT | 1 | 1 | 3'-0" | Exist | HMI | PT | - | HMI | PT | X | X | | Panic h/w | Weather Stripping, New Door | | |
| 007 | Washroom 1 | 1 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | Privacy | Weather Stripping, Existing Door | | |
| 008 | Mesh Room | 1 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | Lock | Weather Stripping, Existing Door | | |
| 009 | Storage | 1 | 1 | 3'-0" | Exist | Wd | PT | - | WD | PT | - | - | - | Lock | Weather Stripping, Existing Door | | |
| 010 | N/A | | | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 011 | Main Entry | 2 | 2 | 3'-0" | Exist | Exist | PT | - | Exist | PT | X | X | | Panic h/w | Weather Stripping, Existing Door | | |
| 012 | EXIT | 2 | 1 | 3'-0" | Exist | Exist | PT | - | Exist | PT | X | X | | Panic h/w | Weather Stripping, Existing Door | | |
| 013 | Exterior into Kitchen | 1 | 1 | 3'-0" | Exist | Exist | PT | - | Exist | PT | X | X | | Lock | Weather Stripping, Existing Door | | |
| 014 | Ext. into Truck Bay | 1 | 1 | 3'-0" | Exist | Exist | PT | - | Exist | PT | X | X | | Panic h/w | Weather Stripping, Existing Door | | |
| 015 | Truck Bay 5 | 1 | 4 | 11'-3" | Exist | HMI | PT | - | STL | Galv | - | - | - | Lock | Weather Stripping, insulated, O/H-dr | | |
| 016 | Truck Bay 6 | 1 | 4 | 11'-3" | Exist | HMI | PT | - | STL | Galv | - | - | - | Lock | Weather Stripping, insulated, O/H-dr | | |
| 021 | Into Office | 1 | 2 | 3'-0" | Exist | Wd | PT | - | WD | PT | - | X | | Lock | Weather Stripping, Existing Door | | |
| 022 | H/C | 1 | 1 | 3'-0" | Exist | Wd | PT | - | WD | PT | - | - | - | Privacy/H/C | Weather Stripping, Existing Door | | |
| 023 | Office | 1 | 1 | 3'-0" | Exist | Wd | PT | - | WD | PT | - | - | - | - | Weather Stripping, Existing Door | | |
| 024 | Office | 1 | 1 | 3'-0" | Exist | Wd | PT | - | WD | PT | - | X | | Lock | Weather Stripping, Existing Door | | |
| 025 | Foyer | 1 | 1 | 3'-0" | Exist | Wd | PT | - | WD | PT | - | - | - | - | Weather Stripping, Existing Door | | |
| 026 | Washroom | 1 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | Privacy/H/C | Weather Stripping, Existing Door | | |
| 027 | into Truck Bay | 1 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | - | Weather Stripping, Existing Door | | |
| 028 | Hoist Tower | 1 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | - | Weather Stripping, Existing Door | | |
| 029 | Storage | 1 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | - | Existing Door | | |
| 030 | Kitchen | 1 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | - | Existing Door | | |
| 031 | Storage | 2 | 1 | Exist | Exist | Wd | PT | - | WD | PT | - | - | - | - | Existing Doors | | |
| 032 | Into Exit Foyer | 2 | 1 | 3'-0" | Exist | Wd | PT | - | WD | PT | - | - | - | - | Weather Stripping, Existing Door | | |



3 Windows Scale: 1/4" = 1'-0"



4 Doors Scale: 1/4" = 1'-0"

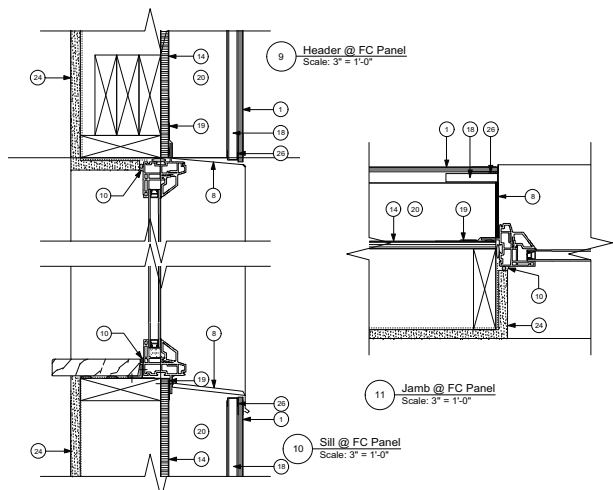
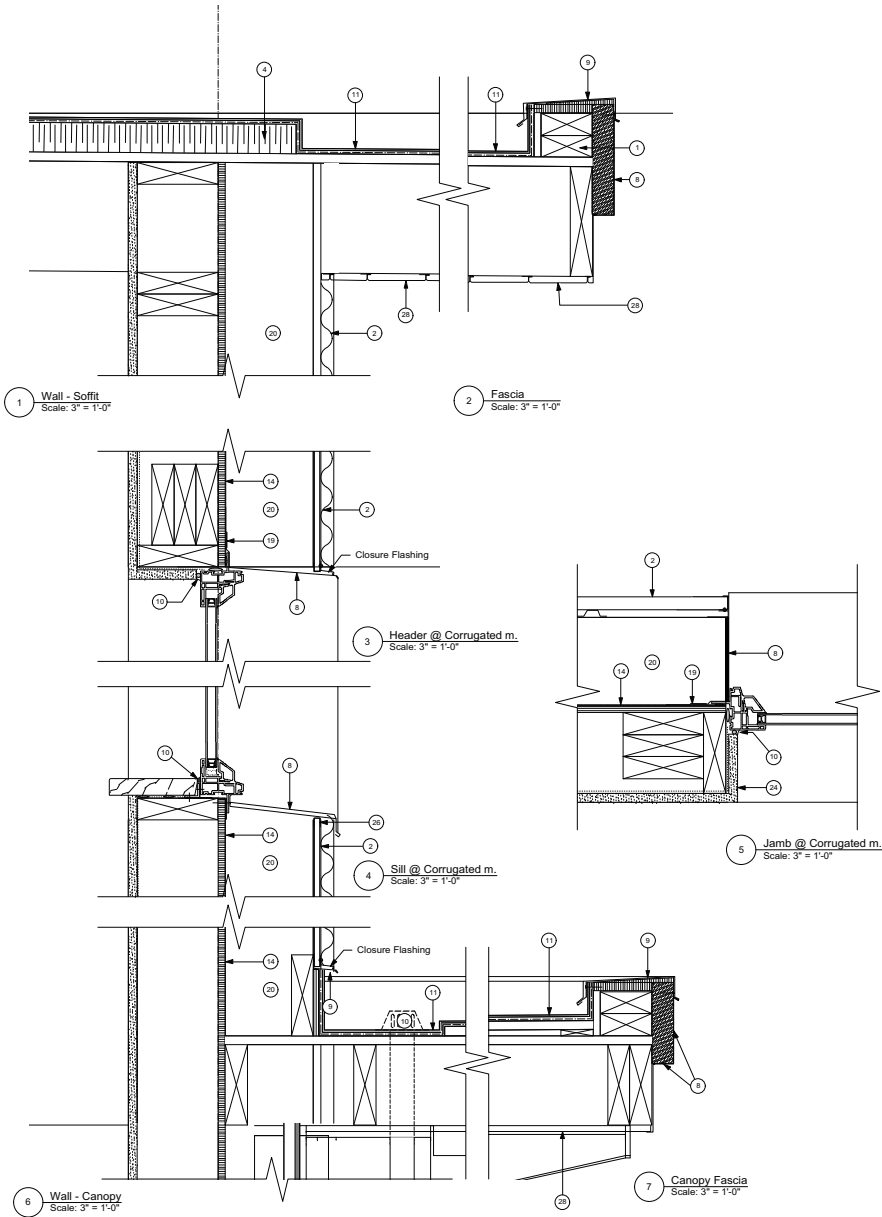
| NO. | DATE | DESCRIPTION | BY | CHECKED |
|-----|------------|------------------------|----|---------|
| 1 | 2020-03-18 | Issued for BP Approval | | |
| 2 | 2020-03-21 | Revised | | |
| 3 | 19-02-2025 | Final | | |
| 4 | | | | |
| 5 | | | | |

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Nanaimo Search & Rescue
 1911 36th Street, Nanaimo, BC
 250.755.1111 | 250.755.1112 | 250.755.1113

Assemblies Code, D & W Schedule

| | |
|------|---|
| A501 | - |
|------|---|



- 1 Fibre Cement Panel
- 2 Corrugated Metal Cladding
- 3 4" EPS (Back Grooved) EPS Insulation on Water / Air Barrier Coatings
- 4 Existing Rigid Roof Insulation
- 5 Batt Insulation, 6"
- 6 Batt Insulation, 8"
- 7 Batt Insulation fill cavity
- 8 Flashing
- 9 Cap Flashing
- 10 Caulk & Rod
- 11 2 Ply SBS Roofing membrane + protection Board
- 12 Plywood
- 13 Roof Drain
- 14 Tyvek moisture & air barrier
- 15 6 mil poly vapour retarder overlapping seams. (not taped)
- 16 Existing Roof Deck
- 17 Blocking
- 18 PT Furring (1x4)
- 19 SAM
- 20 EPS Insulation
- 21 Roof Drain
- 22 Scupper
- 23 Existing GWB
- 24 5/8" Type-X GWB
- 25 5/8" Exterior grade GWB
- 26 Bag Screen
- 27 Angle Profile
- 28 Longboard

| | | |
|----|------------|---------------------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | 2025-05-18 | Issued for RF Application |
| 10 | 2025-05-21 | For Review |
| 11 | 19-01-2025 | Approved |
| 12 | | OK |
| 13 | As Noted | 2025 |

NOTE: All dimensions are shown in Feet & Inches

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Details
 A701 -