

March 16, 2026

Addendum No. 01

File Reference Number: RFP 2026 005

Title: North Bay and Cochrane Diesel Shop Exhaust and Ventilation Upgrade

RE: Clarifications/Questions

CLARIFICATIONS:

Item 1: Appendix B – RFP Particulars – A. Deliverables – Package 2: Cochrane, ON

Please be advised that ONTC has added the following item to the Scope of Work under Package 2: Cochrane, ON:

- **Replacement of Diesel Shop Overhead Doors – Cochrane, ON**

The addition to the Scope of Work is included at the end of this Addendum under **Appendix A**. All other components of the Scope of Work remain unchanged, and no other revisions have been made.

Item 2: Appendix G – Issue for Tender Drawings

With the addition in scope, please be advised that ONTC has added the Issue for Tender Drawings for Diesel Shop Overhead Doors to Appendix G.

Drawing No.	Description	Date
Package 2 – Cochrane Diesel Shop		
Issued for Tender Drawings Prepared by NT Design Ltd.		
A-2.1	Key Plan	September 16, 2025
A2.2	Floor Plan	
A4.1	Elevations	
A5.1	Architectural Wall Sections	
S3.1	Demolition – Exterior Elevation	
S3.2	Exterior Elevation	
S4.1	Demolition – Interior Elevation	
S4.2	Demolition – Interior Elevation Masonry	

S4.3	Interior Elevation	
S2.1	Structural Floor Plan	
S5.1	Structural Wall Sections	
S6.1	Structural Details	

Please find the drawings attached at the end of this Addendum at **Appendix B**.

Item 3: Appendix D – Schedule of Prices

Answer: Please be advised that the **Schedule of Prices** for **North Bay** and **Cochrane, ON** has been updated to remove the **\$100,000.00 Cash Allowance**.

In addition, **Appendix D – Schedule of Prices for Cochrane, ON** has been revised to include new line items for the **Replacement of the Diesel Shop's Overhead Doors**.

The RFP Documents have been revised and sections affected are noted below. The revised RFP sections supersede all previous RFP Document versions for the said documents.

Delete Document:	Replace with Revised Document:
Appendix D – Schedule of Prices for North Bay, ON	Appendix D – Schedule of Prices for North Bay, ON - Addendum No. 01
Appendix D – Schedule of Prices for Cochrane, ON	Appendix D – Schedule of Prices for Cochrane, ON - Addendum No. 01

This Addendum hereby forms part of the RFP.

Regards,

Brinda Ranpura
 Procurement Contracts Specialist
brinda.ranpura@ontarionorthland.ca

“Appendix A”

APPENDIX B – RFP PARTICULARS

A. THE DELIVERABLES

- **Package 2: Cochrane, ON**

Addition to the Scope of Work

Replacement of Diesel Shop Overhead Doors – Cochrane, ON

The project aims to replace two (2) overhead doors in the shop area to fit in the new openings. The work is detailed in the drawings and specifications prepared by NT Design Ltd.

PROJECT SPECIFIC REQUIREMENTS

1. Contractor to follow all requirements and specifications outlined in the NT Design Ltd drawing set for this project.
 - ONR Diesel Shop Overhead Doors A-2.1
 - ONR Diesel Shop Overhead Doors A-2.2
2. Contractor is responsible for relocating the existing electrical wires and conduits to accommodate the new door openings. ONTC's electricians will work with contractor to disconnect and reconnect required wiring. They will also work with contractor to move the current electrical conduits.
3. Contractor is responsible to move existing Oil waste line to accommodate the new door opening. The oil line will be identified during the mandatory site visit. Contractor shall note what is needed to raise the line to accommodate the new door openings.
4. Contractor is responsible for sourcing and supplying new overhead doors to accommodate the NEW openings. The existing doors brand and style can be used as a reference when ordering new doors and required hardware. This includes NEW electric door openers. Contractor to proposed make and model of NEW door. The NEW overhead doors will require all mechanical and electrical hardware to operate the overhead door. Contractor to propose make and model.
5. Contractor to ensure the existing overhead doors and controls are taken down safely and without being damaged. ONTC will get them stored.
6. The drainpipe will be identified during the mandatory site visit. Based on observations, this line should be good. But needed to be identified to ensure the NEW door roll up closure will fit with where the line is located. Contractor to determine if the NEW door will have enough space to clear.
7. Clarifications for drawings:
 - a) Drawing S-4.3 - C200x17 & HSS are new. New steel is darker shade on the drawings; existing steel is light grey. Field fit HSS are shown with outlines only.

- b) Detail 2 on Drawing - S-4.1 - Highlights how to fastened the specified angle to the masonry wall.

SCHEDULE OF SERVICES

2. Package 2 – Cochrane, ON: Construction Activities shall commence on **May 01, 2026** and be completed by **February 15, 2027**.
 - Construction activities for the replacement of overhead doors shall be carried out during the summer months and must be completed no later than **September 30, 2026**.

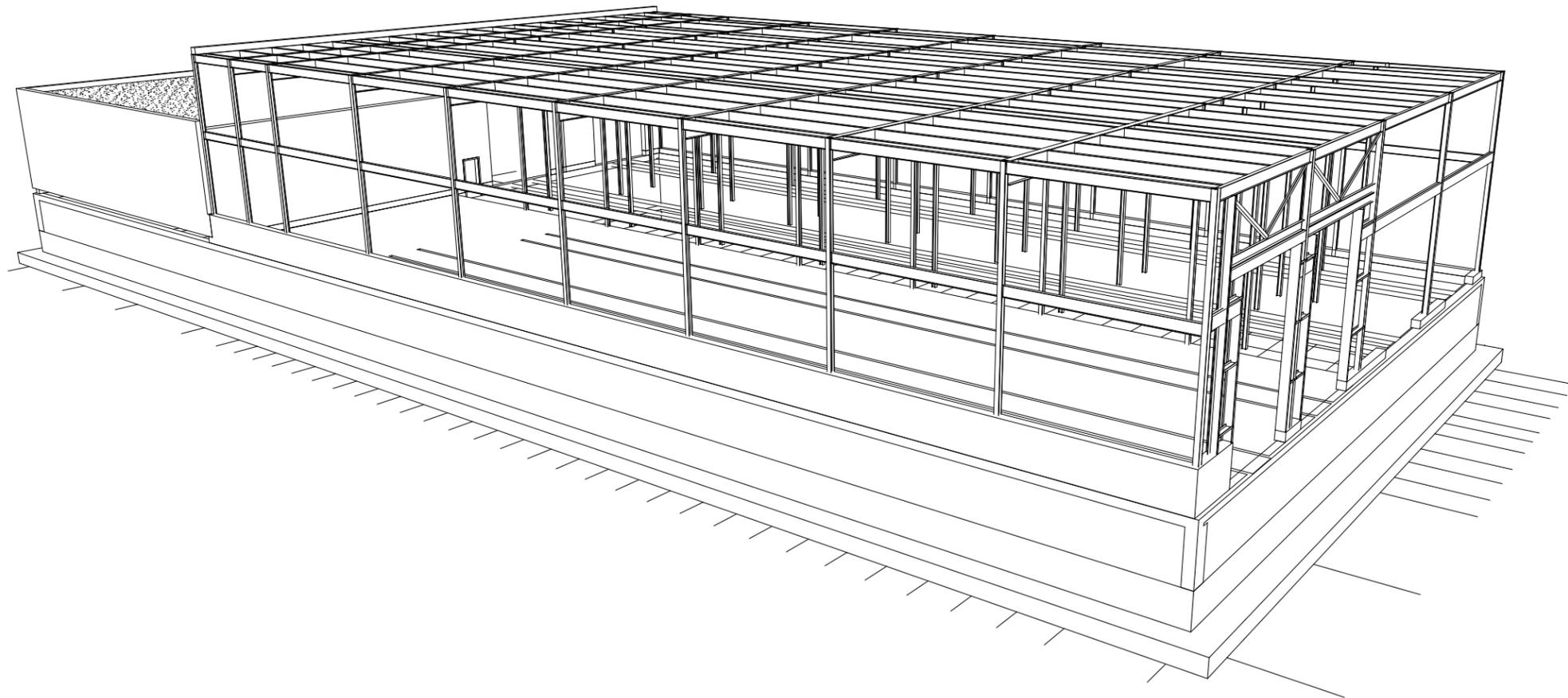
End of Scope

“Appendix B”

ONR DIESEL SHOP OVERHEAD DOORS

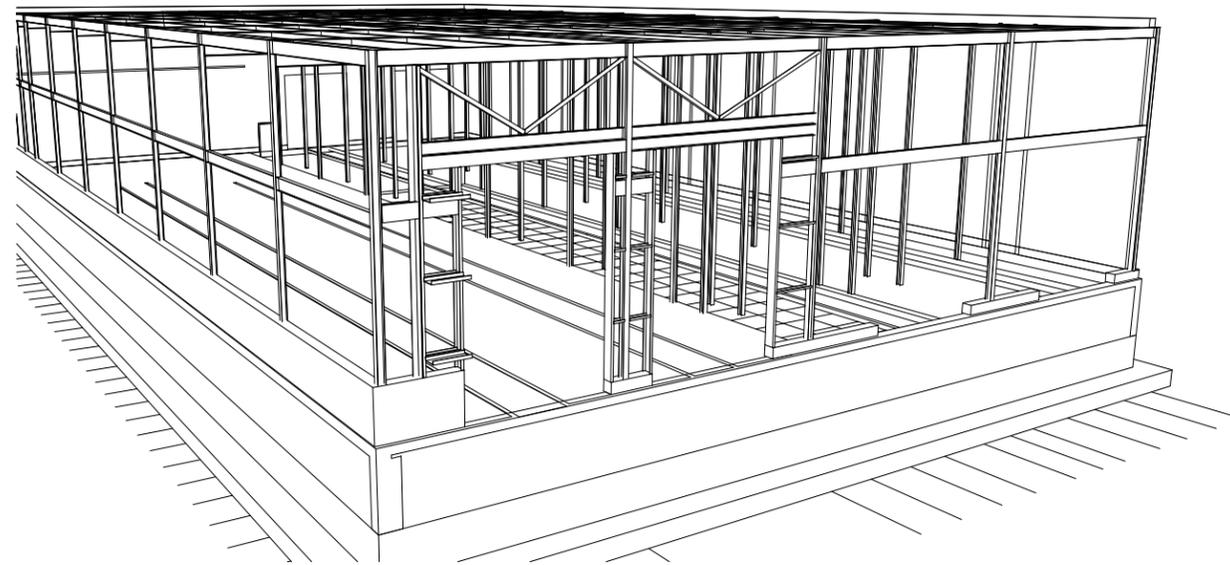
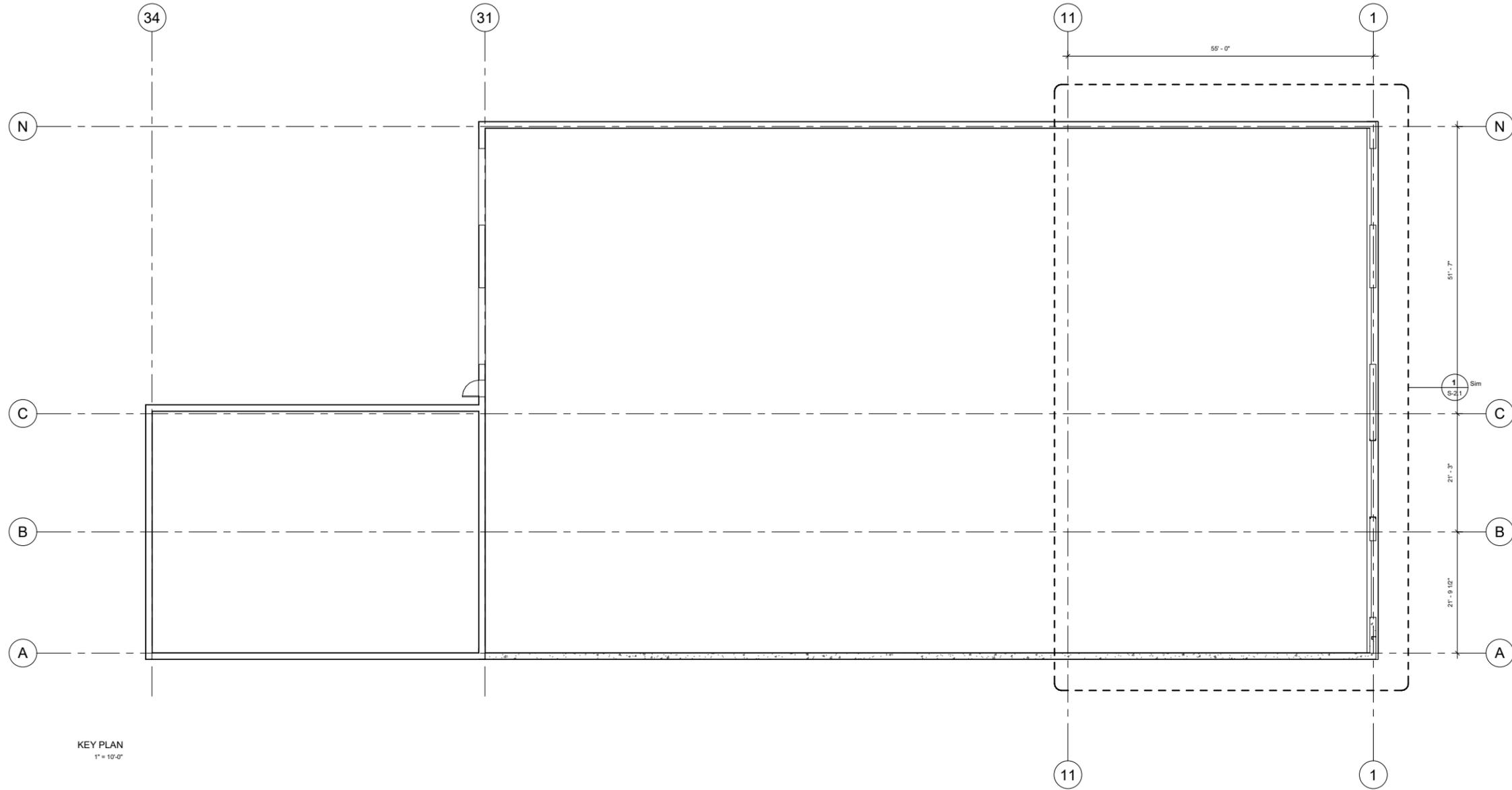
ONR2501

COCHRANE, ON

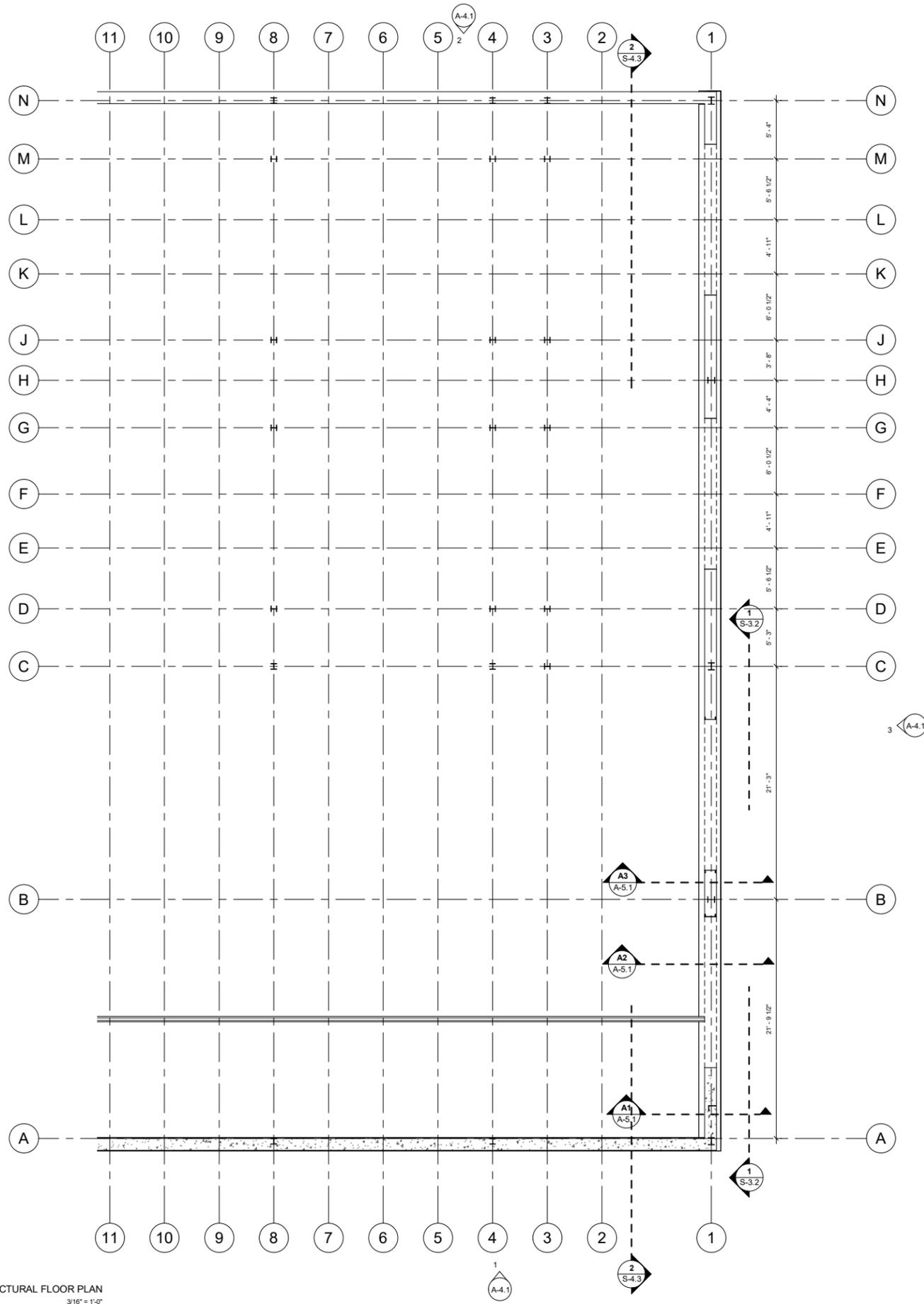


2025-09-16

PROJECT ISSUE - FOR RFP



2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.
		
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS		
LOCATION: COCHRANE, ON		
TITLE: KEY PLAN		
DATE: 2025-09-16		
SHEET #:		A-2.1
SCALE:		1" = 10'-0"



GENERAL NOTES

1. STRUCTURAL DESIGN IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2024 AND THE USER'S GUIDE - NBC 2020 STRUCTURAL COMMENTARIES.
2. ALL WORK SHALL CONFORM WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE AND WITH ALL OTHER APPLICABLE CODES & BY-LAWS.
3. CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND ALL LOCAL, PROVINCIAL, AND FEDERAL ENVIRONMENTAL REGULATIONS WHEN PERFORMING THE WORK UNDER THIS CONTRACT.
4. READ THESE DRAWINGS IN CONJUNCTION WITH THE CIVIL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. COORDINATE THE REQUIREMENTS OF THESE TRADES WITH THE STRUCTURAL WORK AND PROVIDE FOR OPENINGS, SLEEVES, DUCTS, ETC. IN THE CASE OF DISCREPANCIES, NOTIFY THE ENGINEER OF RECORD IMMEDIATELY FOR CLARIFICATION. CUTTING OF REBAR OR CORING OF CONCRETE IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
5. DIMENSIONS ARE IN IMPERIAL UNLESS NOTED OTHERWISE.
6. CONFIRM ALL DIMENSIONS, ELEVATIONS, GRADES AND EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD.
7. THESE DRAWINGS SHOW FINISHED STRUCTURES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY SUPPORT STRUCTURES REQUIRED TO COMPLETE THE WORK. WHEN REQUESTED BY THE ENGINEER OF RECORD, THE CONTRACTOR IS TO PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO, FOR ANY SUCH TEMPORARY STRUCTURES.
8. PROPRIETARY SYSTEMS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
9. DO NOT SCALE THE DRAWINGS. DIMENSIONS SHOWN ON THE DRAWINGS ARE IN IMPERIAL UNITS.
10. THE ELECTRICAL CONDUITS WILL NEED TO BE RELOCATED TO ACCOMMODATE THE NEW DOOR OPENING. THE EXISTING OIL PIPE LOCATED ABOVE THE DOORS WILL NEED TO BE RELOCATED TO ACCOMMODATE THE NEW DOOR OPENING.
11. THE EXISTING ROOF WATER DRAINPIPE MAY NEED TO BE MOVE TO ACCOMMODATE THE NEW ROLL UP DOOR CLOSURE AND OPENER.

STRUCTURAL STEEL

1. REFER TO DRAWINGS AND SPECIFICATIONS.
2. THE BUILDING IS DESIGNED TO BE SELF-SUPPORTING, STABLE AND CAPABLE OF WITHSTANDING THE LOADING NOTED AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS MAY INCLUDE THE ADDITION OF SHORING, TEMPORARY BRACING, TIE-DOWNS, ETC.
3. ALL STRUCTURAL STEEL ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CAN/CSA S16-09 - DESIGN OF STEEL STRUCTURES AND THE CANADIAN INSTITUTE OF STEEL HANDBOOK OF STEEL CONSTRUCTION, LATEST EDITION.
4. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE PERFORMED IN ACCORDANCE WITH CAN/CSA S16 (LATEST EDITION). VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
5. ALL STRUCTURAL STEEL PLATES, ANGLES AND CHANNELS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 300W, CLASS C.
6. ALL STRUCTURAL STEEL WIDE FLANGE SECTIONS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 350W.
7. ALL HOLLOW STRUCTURAL STEEL SECTIONS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 350W, CLASS C.
8. ALL ANCHOR BOLTS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 300W AND SHALL BE ASTM A325 STRUCTURAL BOLTS, UNLESS NOTED OTHERWISE.
9. 1.5" (38mm) GROUT BELOW ALL BASE PLATES TO BE FLOWABLE NON-SHRINK, NON-METALLIC GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 40 MPa AT 14 DAYS.
10. ALL WELDING TO BE PERFORMED BY QUALIFIED WELDERS FULLY LICENSED FOR STRUCTURAL WELDING BY THE CANADIAN WELDING BUREAU IN ACCORDANCE WITH CSA SPECIFICATION W47.1 (LATEST EDITION).
11. WELDING ACTIVITIES SHALL BE COMPLETED IN ACCORDANCE WITH CSA W59. ELECTRODES TO BE E490X FILE AND GRIND WELDS SMOOTH AND FLUSH WHERE EXPOSED TO VIEW AND WHERE SPECIFICALLY INDICATED ON DRAWINGS.
12. ALL WELDS TO BE CONTINUOUS UNLESS NOTED OTHERWISE. THE MINIMUM FILLET WELD SIZE TO BE 6mm, UNLESS NOTED OTHERWISE.
13. ALL STRUCTURAL STEEL CONNECTIONS SHALL BE BOLTED. FIELD WELDED CONNECTION SHALL NOT BE PERMITTED.
14. ALL STRUCTURAL STEEL CONNECTIONS SHALL BE BOLTED CONNECTIONS USING 3/4" DIA. ASTM A325 BOLTS & HARDWARE.
15. NO HOLES OTHER THAN THOSE SHOWN ON REVIEWED SHOP DRAWINGS SHALL BE MADE IN ANY STEEL MEMBER WITHOUT WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
16. STRICTLY NO SPLICING OF ANY MEMBERS WILL BE ACCEPTED.
17. STRUCTURAL STEEL SUPPLIER TO SUBMIT STAMPED ENGINEERED SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

CONNECTION DETAILING

BEAM SHEAR CONNECTION:

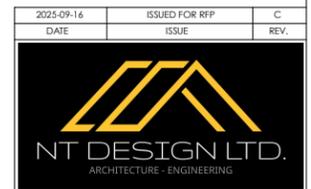
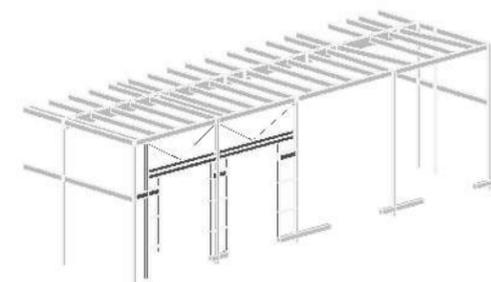
1. WHEN CONNECTED TO "HSS" COLUMN OR FLANGE OF "W" COLUMN, THE REACTION IS CONSIDERED TO ACT AT THE FACE OF THE COLUMN (ECCENTRICITY = HALF COLUMN).
2. WHEN CONNECTED TO WEB OF "W" COLUMN, THE REACTION IS CONSIDERED TO ACT AT THE CENTER OF THE WEB (ECCENTRICITY = 0).
3. NON COMPOSITE BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR THE SHEAR VALUE RESULTING FROM THE BEAMS FACTORED MOMENT RESISTANCE UNDER UNIFORM LOADING CONDITIONS ($V_f = 4 \cdot M_u \cdot \text{BEAM SPAN}$) TYP. U.N.
4. COMPOSITE BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR 60% OF THE BEAMS FACTORED SHEAR RESISTANCE ($V_f = 0.60 \cdot V_u$), TYP. U.N.

MASONRY

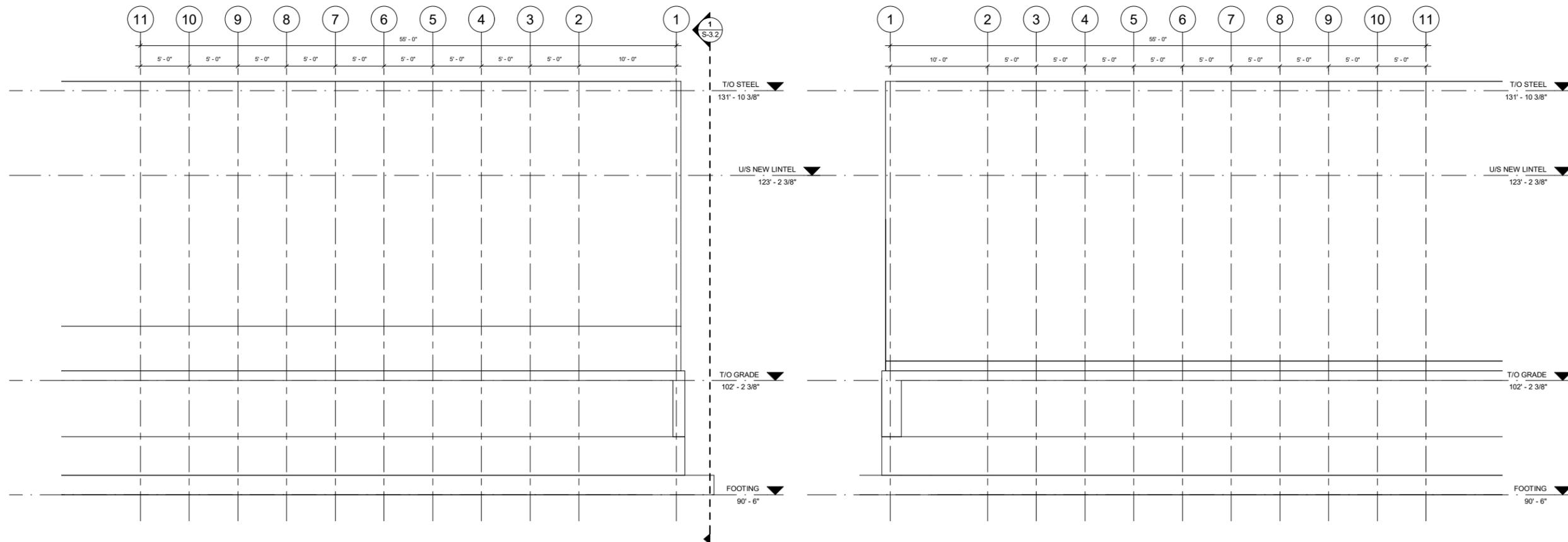
1. ALL STRUCTURAL MASONRY ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CAN/CSA S304-04 - DESIGN OF MASONRY STRUCTURES.
2. ALL MASONRY WORK SHALL BE PERFORMED IN ACCORDANCE WITH CAN/CSA A371-14 - MASONRY CONSTRUCTION.

PAINTING

1. ENSURE THAT ALL STEEL SURFACES TO BE PAINTED ARE FREE OF RUST, LOOSE MILL SCALE, SLAG OR FLUX DEPOSIT, OIL, DIRT AND OTHER FOREIGN MATTER BY WIRE BRUSHING OR BY OTHER SUITABLE MEANS.
2. ALL STRUCTURAL STEEL SHALL HAVE A SURFACE PREPARATION CONFORMING TO STEEL STRUCTURES PAINTING COUNCIL, SSPC-SP6 "COMMERCIAL BLAST CLEANING".
3. ALL STEEL SHALL BE PRIMED PRIOR PAINTING. DFT OF THE PRIMING COAT SHALL CONFORM TO MANUFACTURE SPECIFICATIONS.
4. PRIMING COAT SHALL BE COMPLETED WITH CATHA COAT 302H (DFT 62.5-100µm) OR APPROVED EQUIVALENT.
5. PAINT COATING SHALL BE COMPLETED WITH DEVTHANE 349 (DFT 100-225µm) OR APPROVED EQUIVALENT.
6. PAINT COLOR SHALL BE SELECTED BY THE CLIENT.

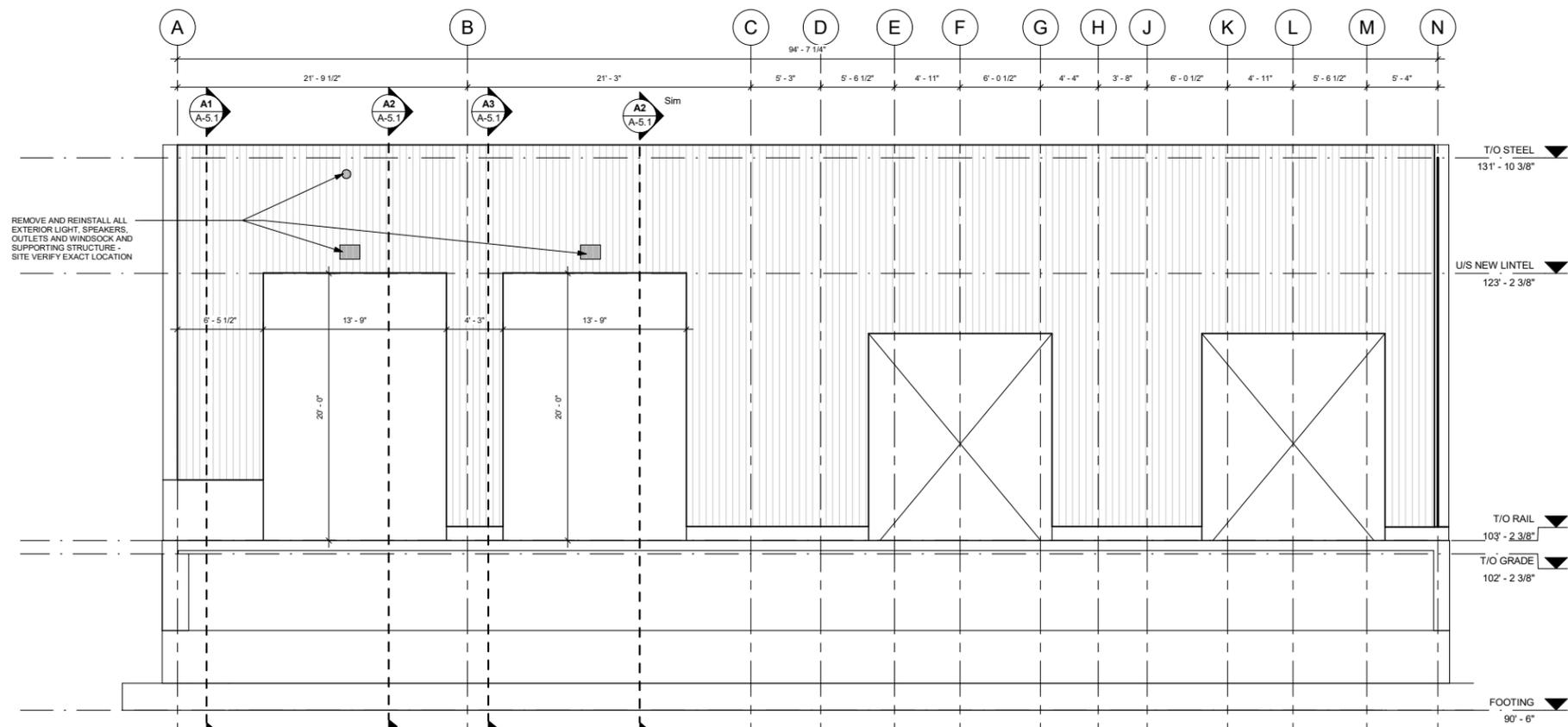


2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS		
LOCATION: COCHRANE, ON		
TITLE: FLOOR PLAN		
DATE: 2025-09-16		
SHEET #: A-2.2		
SCALE: As Indicated		



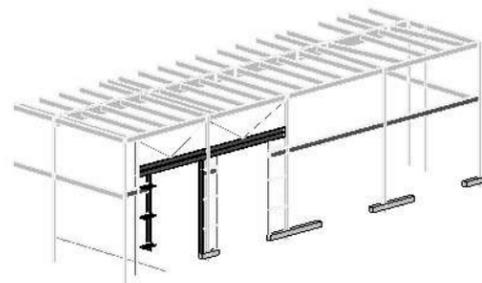
ELEVATION GRID 11-1
3/16" = 1'-0"

ELEVATION GRID 1-11
3/16" = 1'-0"



ELEVATION A-N
3/16" = 1'-0"

REMOVE AND REINSTALL ALL EXTERIOR LIGHT, SPEAKERS, OUTLETS AND WINDSOCK AND SUPPORTING STRUCTURE - SITE VERIFY EXACT LOCATION



2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.



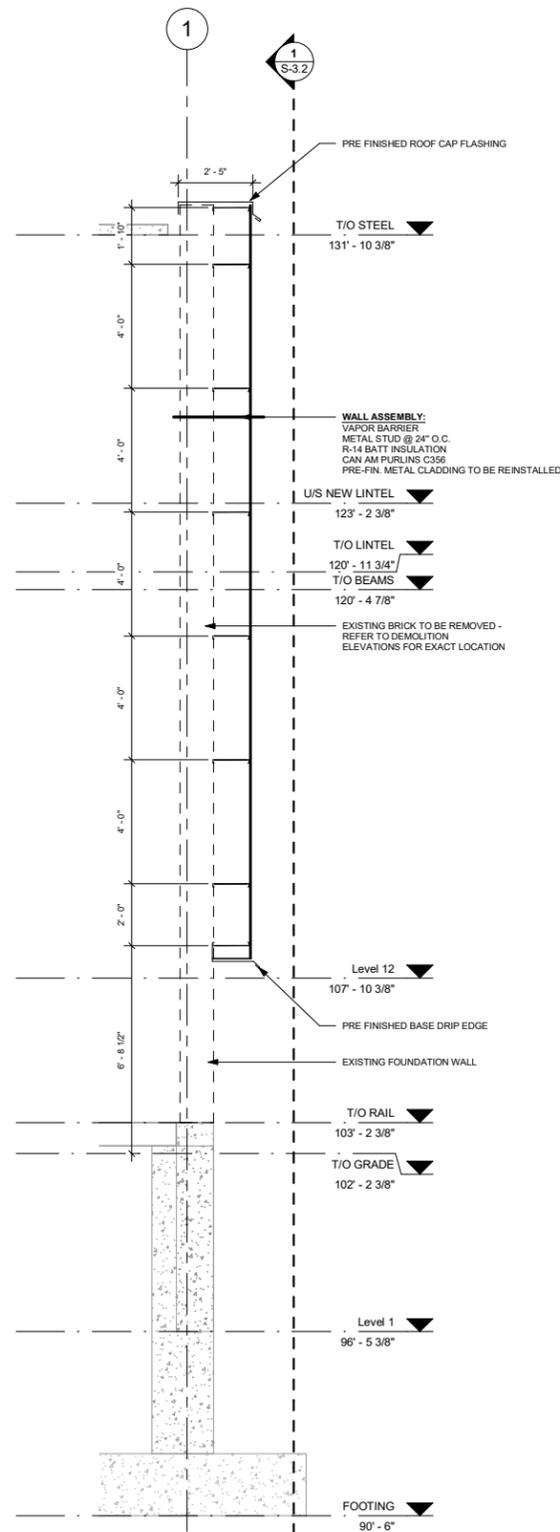
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS

LOCATION: COCHRANE, ON

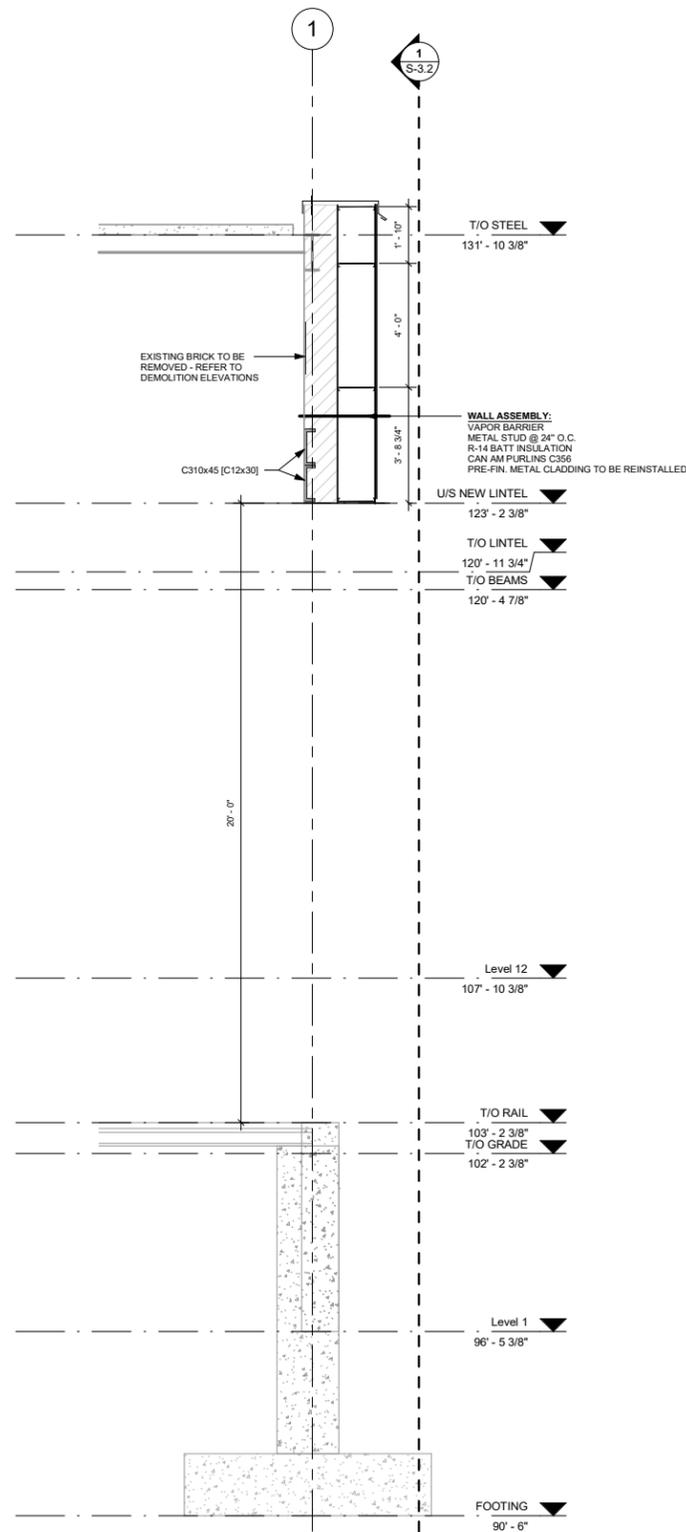
TITLE: ELEVATIONS

DATE: 2025-09-16

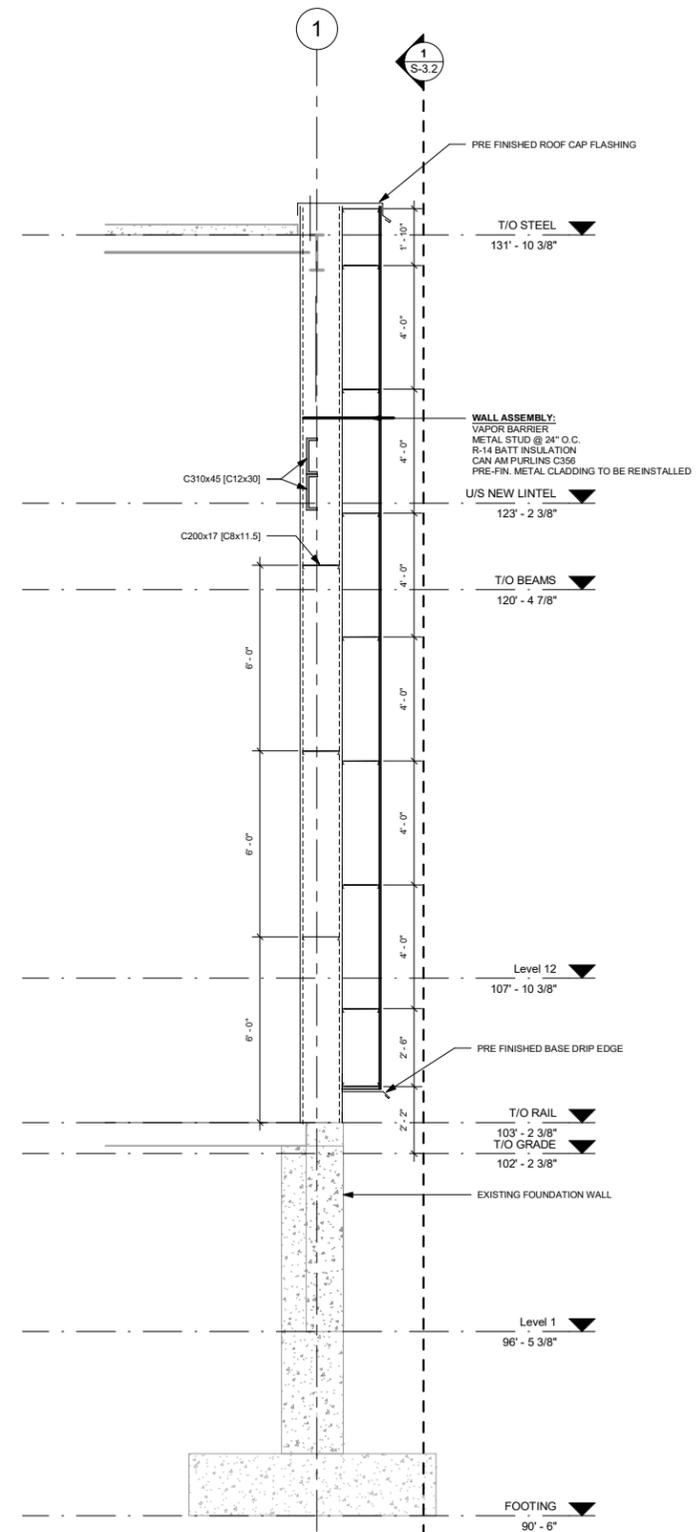
SHEET #: A-4.1
SCALE: 3/16" = 1'-0"



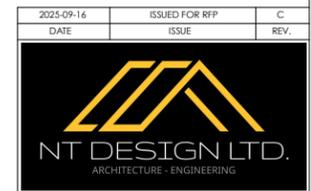
A1 SECTION 1 - @ CONCRETE WALL
A-2.2 3/8" = 1'-0"



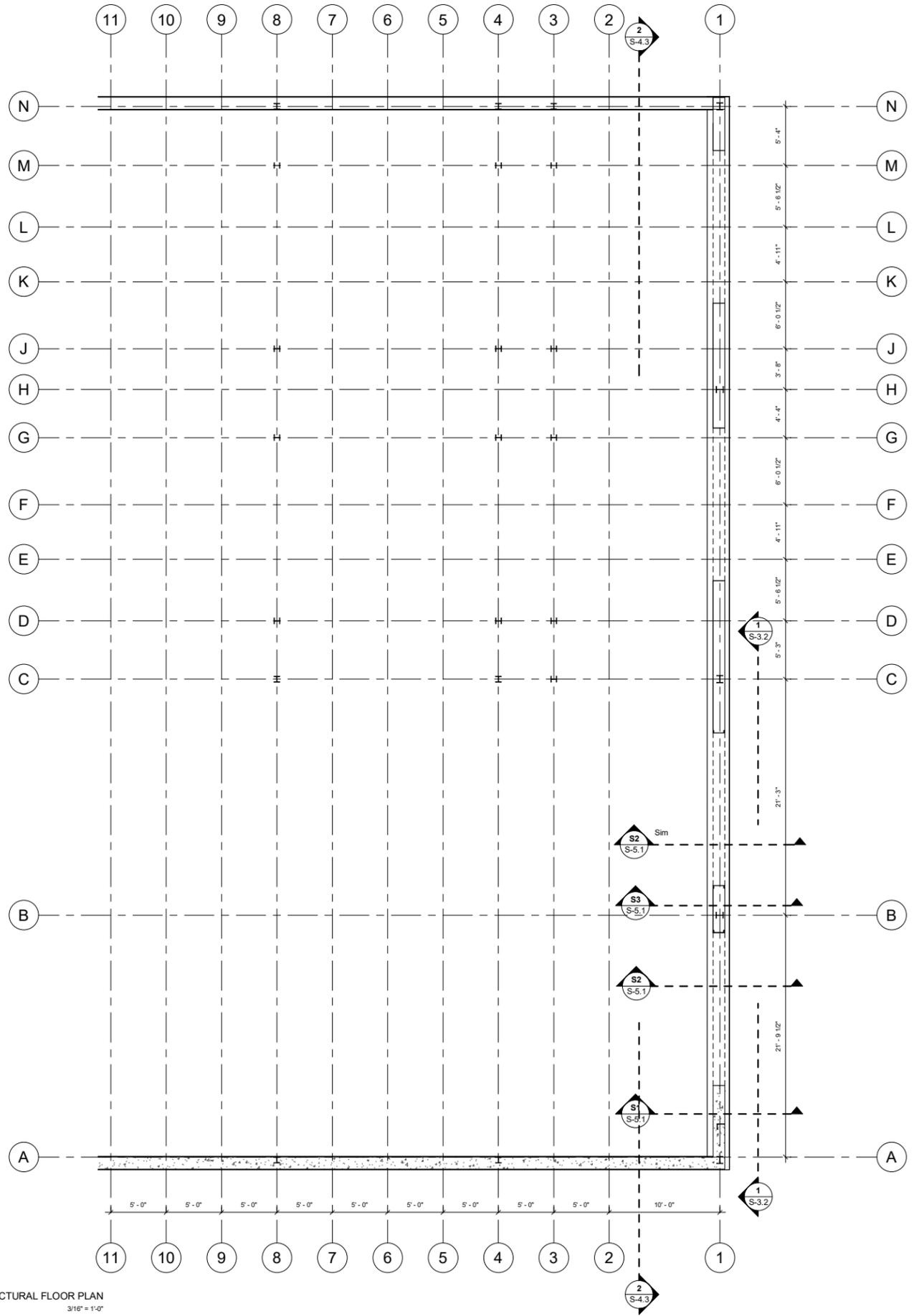
A2 Section 2 @ OVERHEAD DOOR
A-2.2 3/8" = 1'-0"



A3 Section 3 @ BETWEEN OVERHEAD DOORS
A-2.2 3/8" = 1'-0"



2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS		
LOCATION: COCHRANE, ON		
TITLE: ARCHITECTURAL WALL SECTIONS		
DATE:	2025-09-16	
SHEET #:		
A-5.1		
SCALE: 3/8" = 1'-0"		



STRUCTURAL FLOOR PLAN
3/16" = 1'-0"

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CONNECTION DETAILING

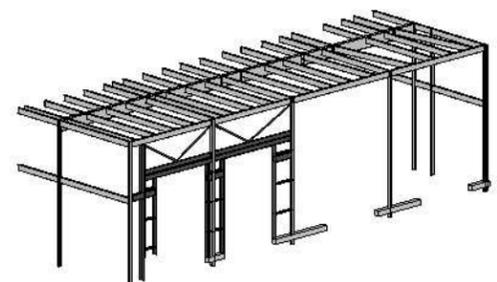
- BEAM SHEAR CONNECTION:
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 2. WHEN CONNECTED TO WEB OF "W" COLUMN, THE REACTION IS CONSIDERED TO ACT AT THE CENTER OF THE WEB (ECCENTRICITY = 0).
 3. NON COMPOSITE BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR THE SHEAR VALUE RESULTING FROM THE BEAMS FACTORED MOMENT RESISTANCE UNDER UNIFORM LOADING CONDITIONS ($V_f = 4 \times M_f$ / BEAM SPAN) TYP. UIN.
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MASONRY

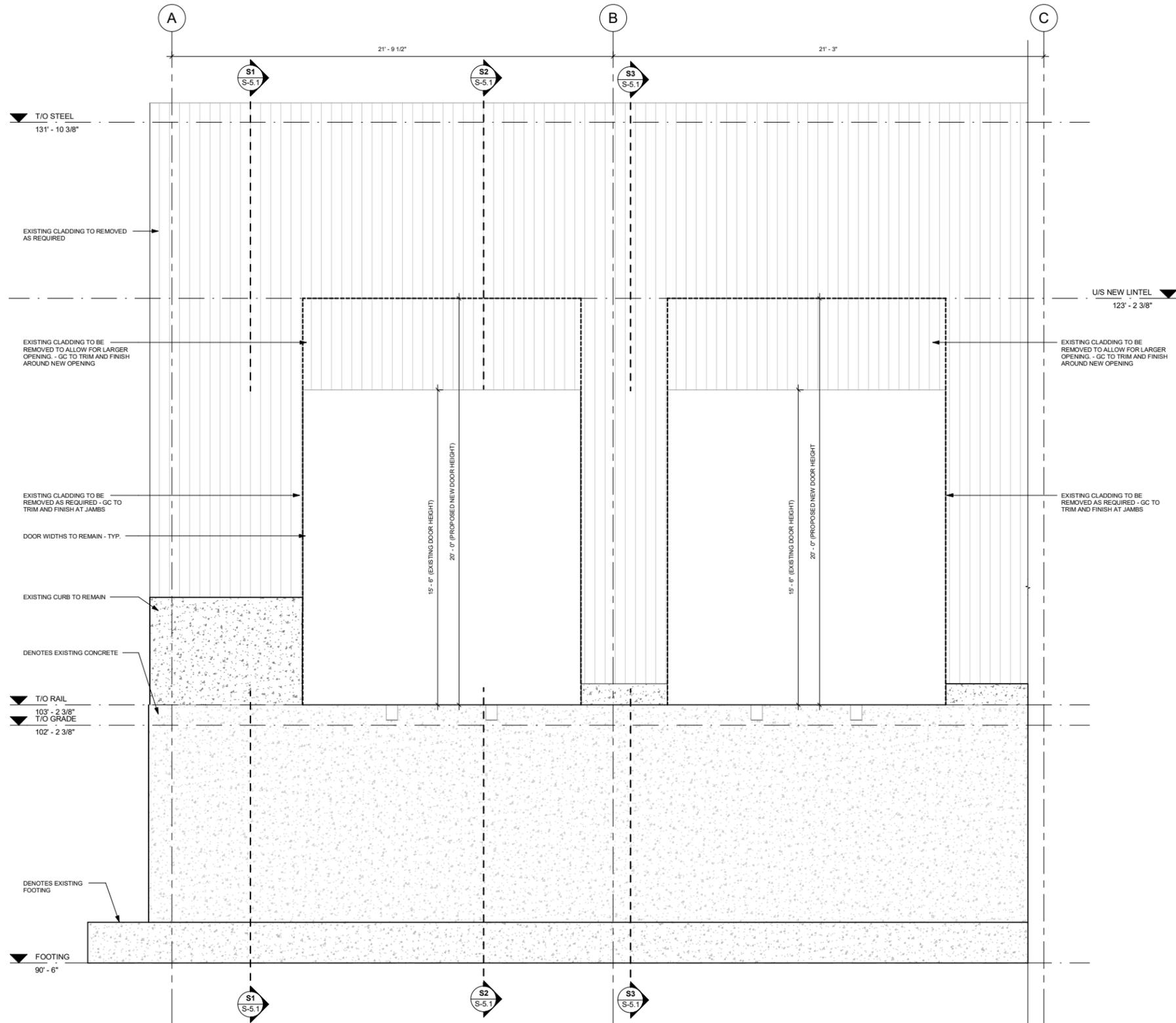
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2. ALL MASONRY WORK SHALL BE PERFORMED IN ACCORDANCE WITH CAN/CSA A371-14 - MASONRY CONSTRUCTION

PAINTING

1. ENSURE THAT ALL STEEL SURFACES TO BE PAINTED ARE FREE OF RUST, LOOSE MILL SCALE, SLAG OR FLUX DEPOSIT, OIL, DIRT AND OTHER FOREIGN MATTER BY WIRE BRUSHING OR BY OTHER SUITABLE MEANS.
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2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.
		
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS		
LOCATION: COCHRANE, ON		
TITLE: STRUCTURAL FLOOR PLAN		
DATE: 2025-09-16		
SHEET #:		S-2.1
SCALE:		As indicated



EXTERIOR ELEVATION DEMOLITION
3/8" = 1'-0"

2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.



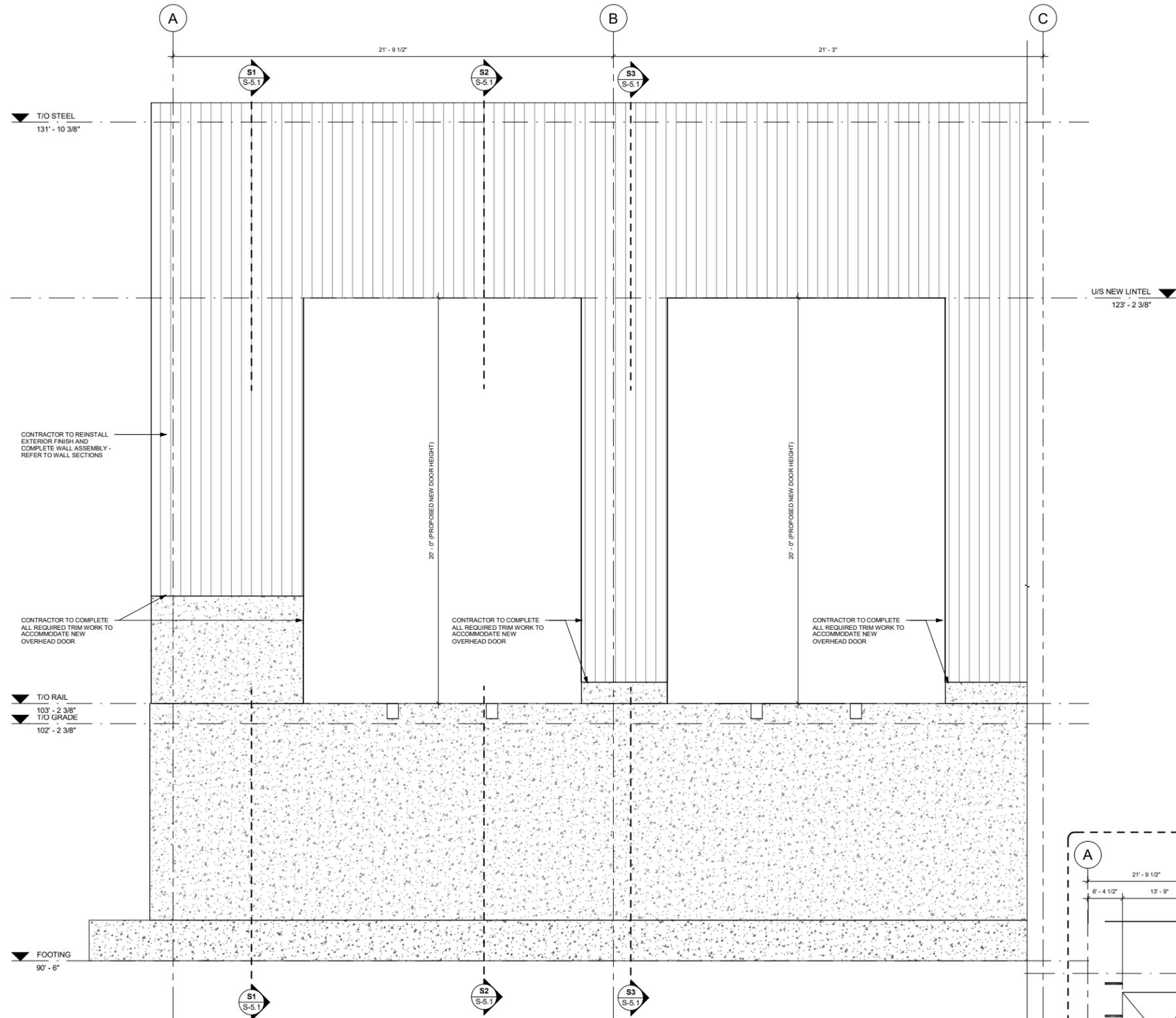
PROJECT:
**ONR DIESEL SHOP
OVERHEAD DOORS**

LOCATION:
COCHRANE, ON

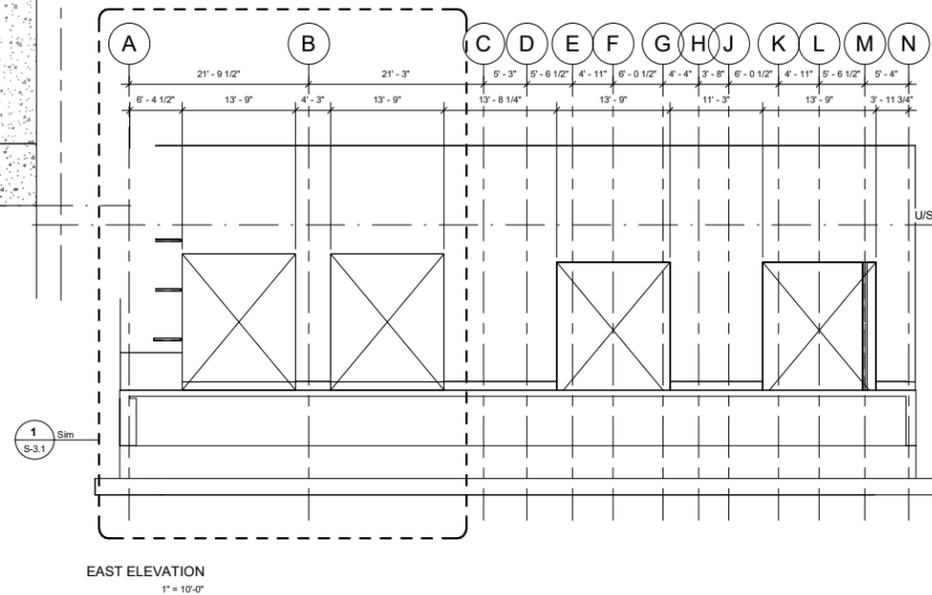
TITLE:
DEMOLITION - EXTERIOR ELEVATION

DATE:
2025-09-16

SHEET #:
S-3.1
SCALE: 3/8" = 1'-0"



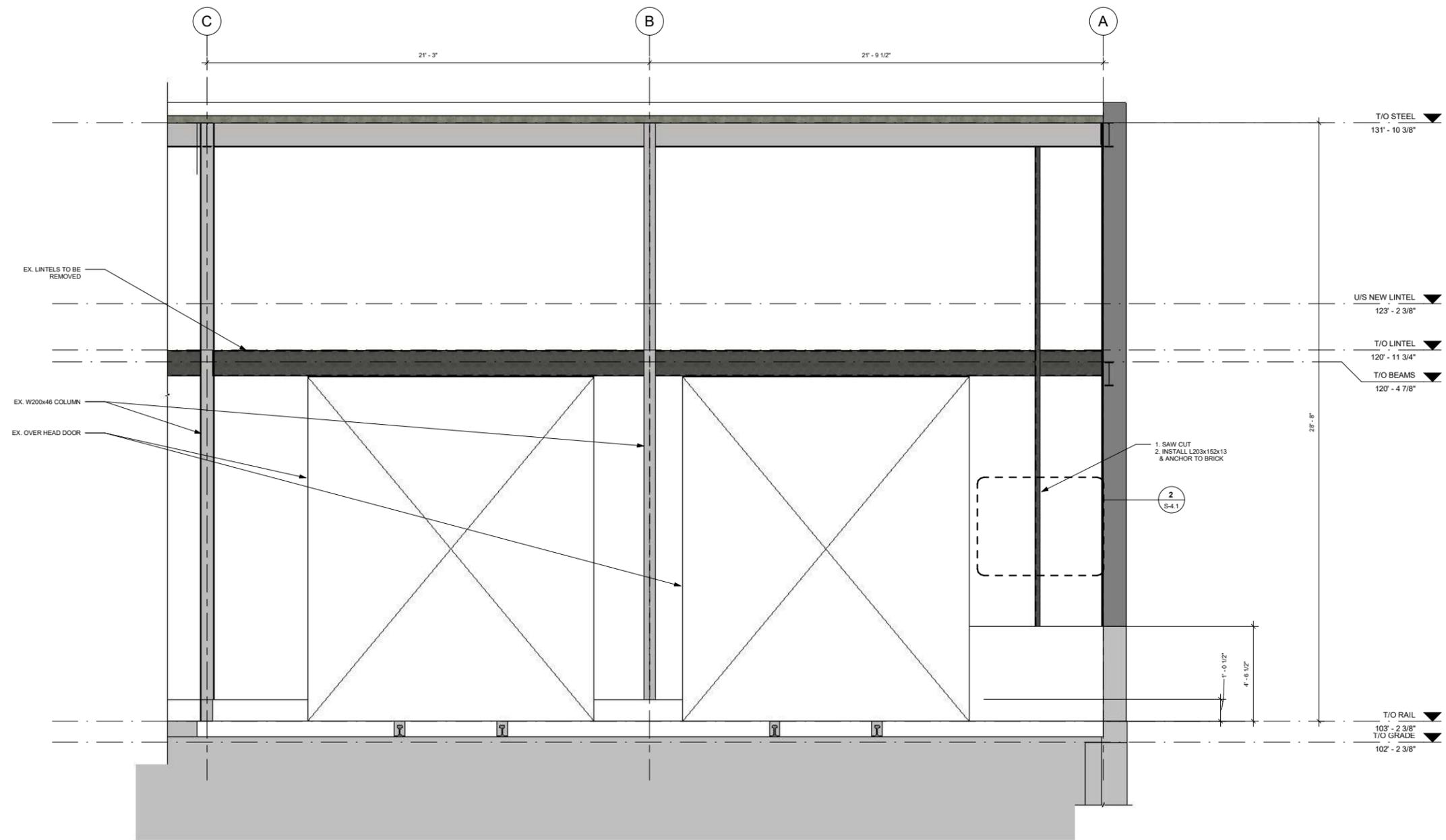
EXTERIOR ELEVATION SECTION
3/8" = 1'-0"



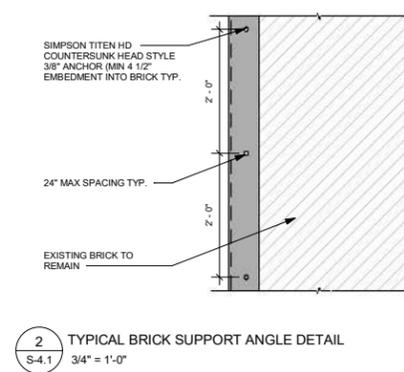
EAST ELEVATION
1" = 10'-0"

2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS		
LOCATION: COCHRANE, ON		
TITLE: EXTERIOR ELEVATION		
DATE: 2025-09-16		SHEET #:
		S-3.2
		SCALE: As indicated

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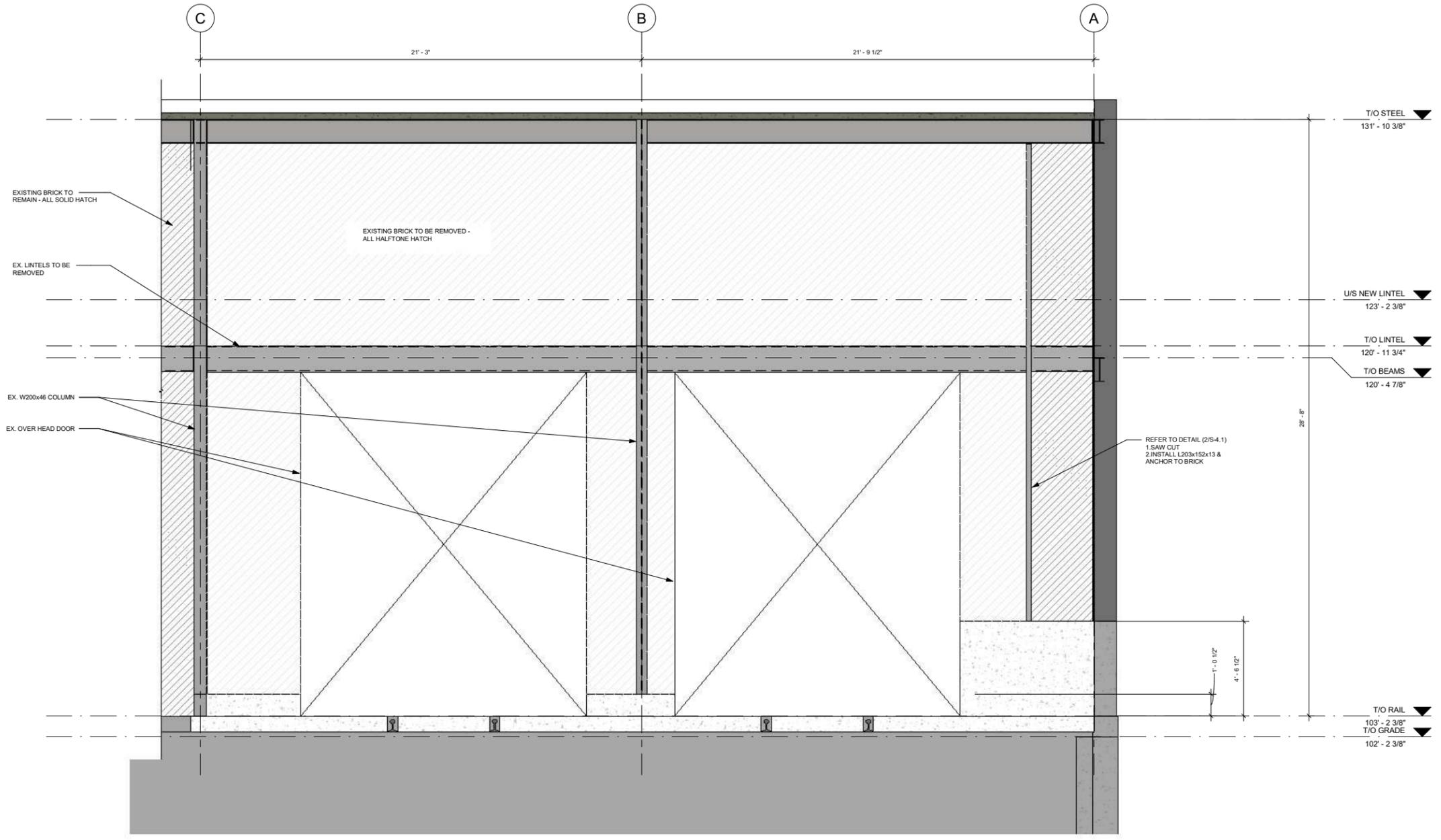


DEMOLITION - INTERIOR ELEVATION STRUCTURAL
3/8" = 1'-0"



A

2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.
		
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS		
LOCATION: COCHRANE, ON		
TITLE: DEMOLITION - INTERIOR ELEVATION		
DATE:	2025-09-16	
SHEET #:		S-4.1
SCALE:		As Indicated



DEMOLITION - INTERIOR ELEVATION MASONRY
3/8" = 1'-0"

2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.



PROJECT:
**ONR DIESEL SHOP
OVERHEAD DOORS**

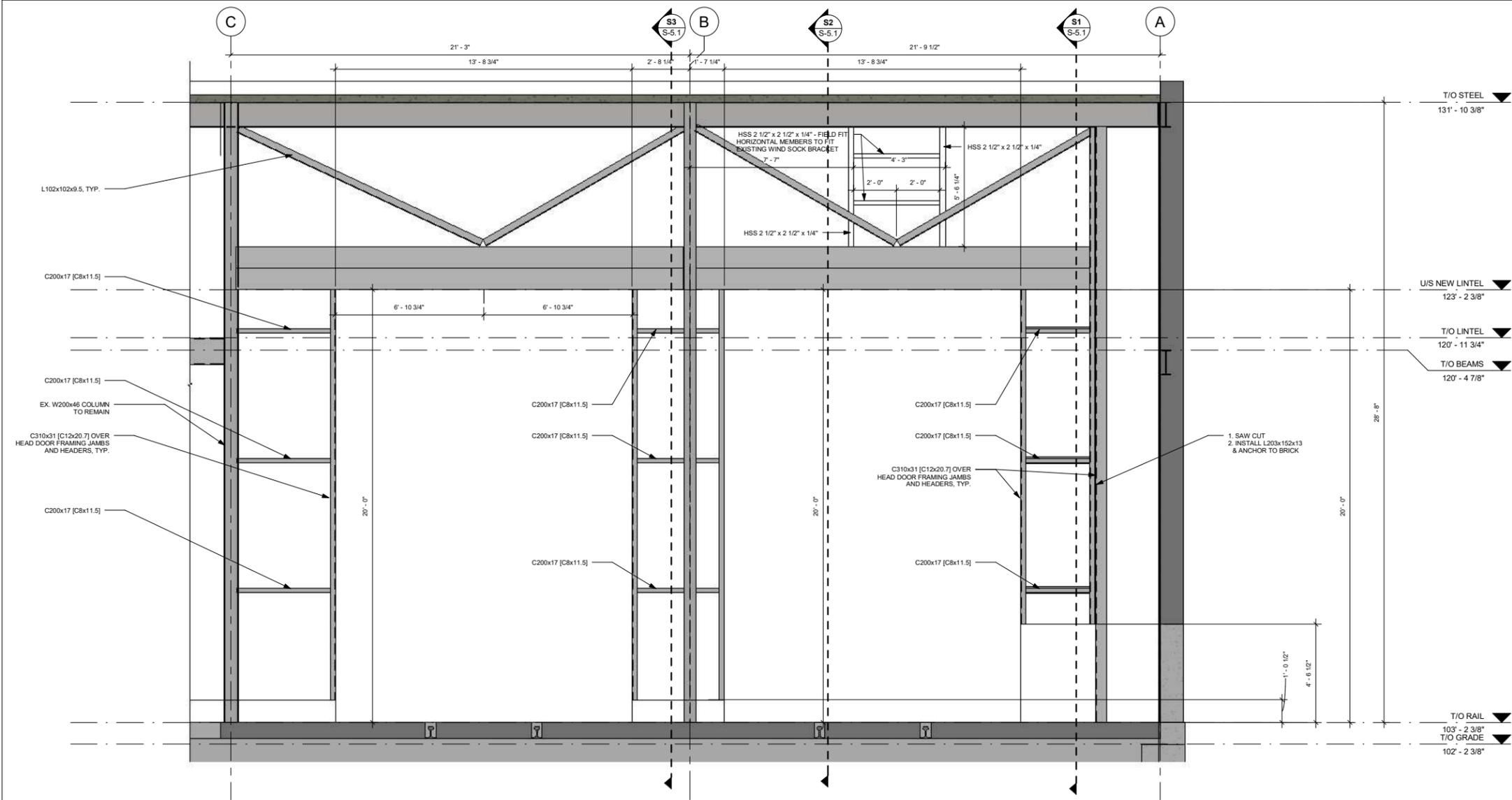
LOCATION:
COCHRANE, ON

TITLE:
**DEMOLITION - INTERIOR ELEVATION
MASONRY**

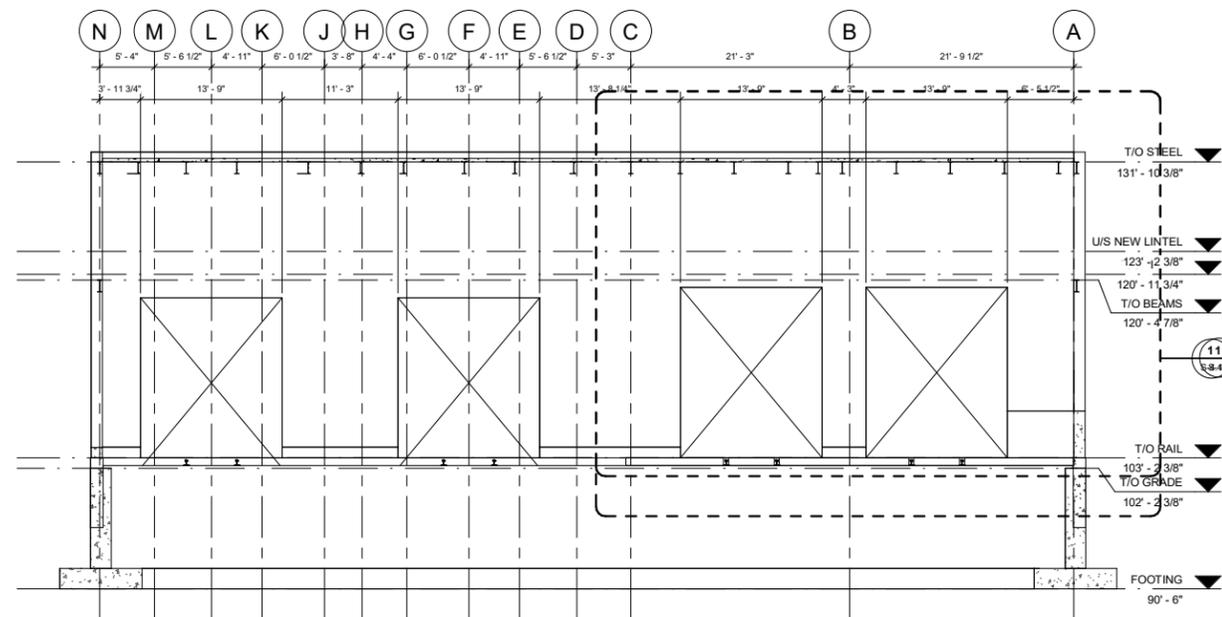
DATE:
2025-09-16

SHEET #:
S-4.2

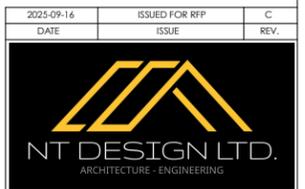
SCALE:
3/8" = 1'-0"



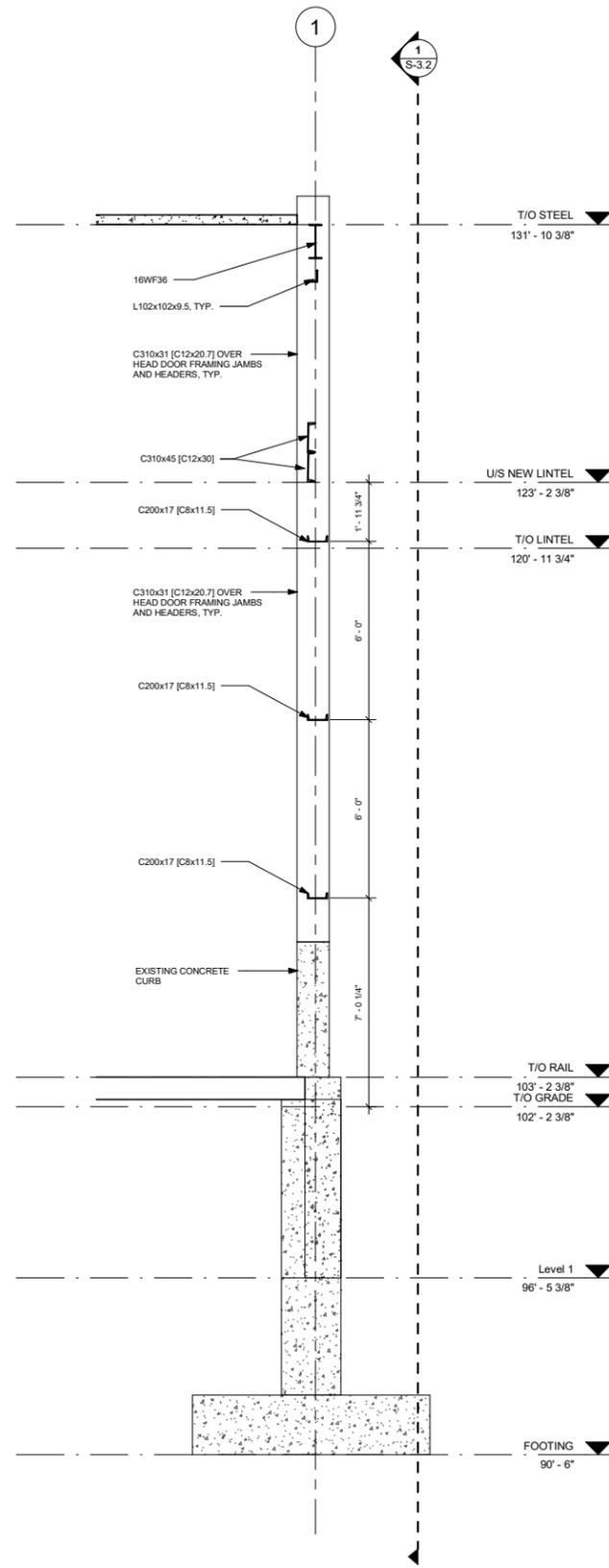
1 INTERIOR ELEVATION
S-4.3
3/8" = 1'-0"



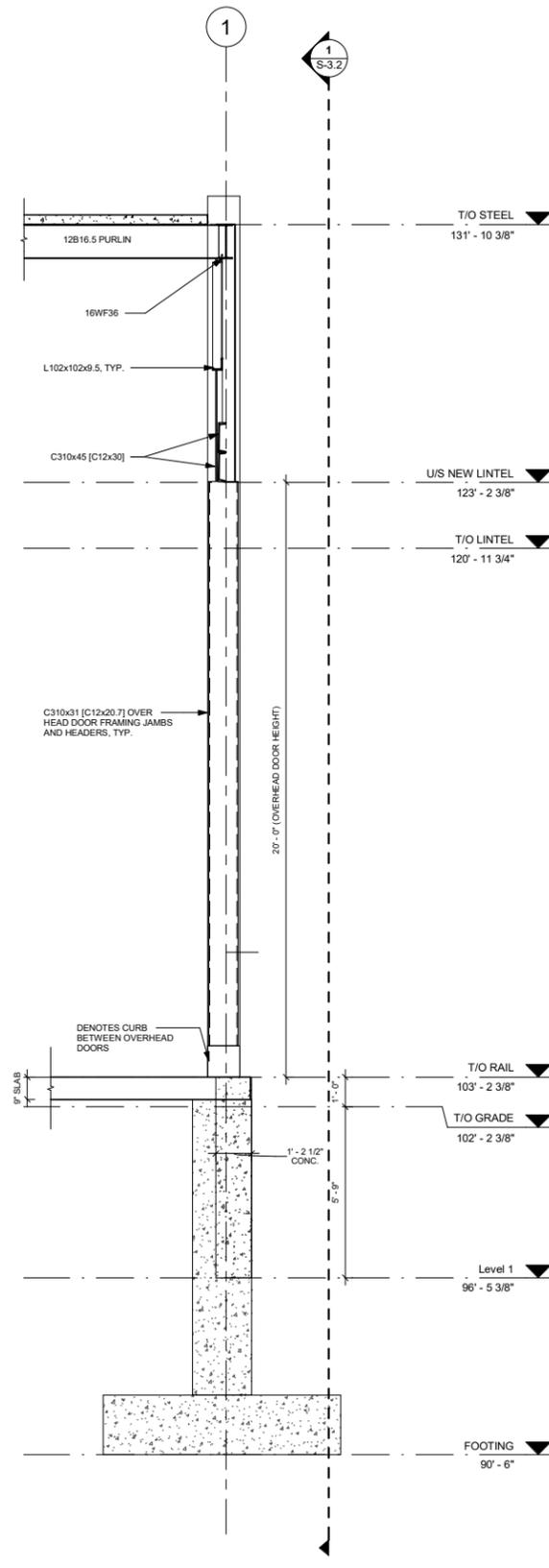
INTERIOR ELEVATION.
1/8" = 1'-0"



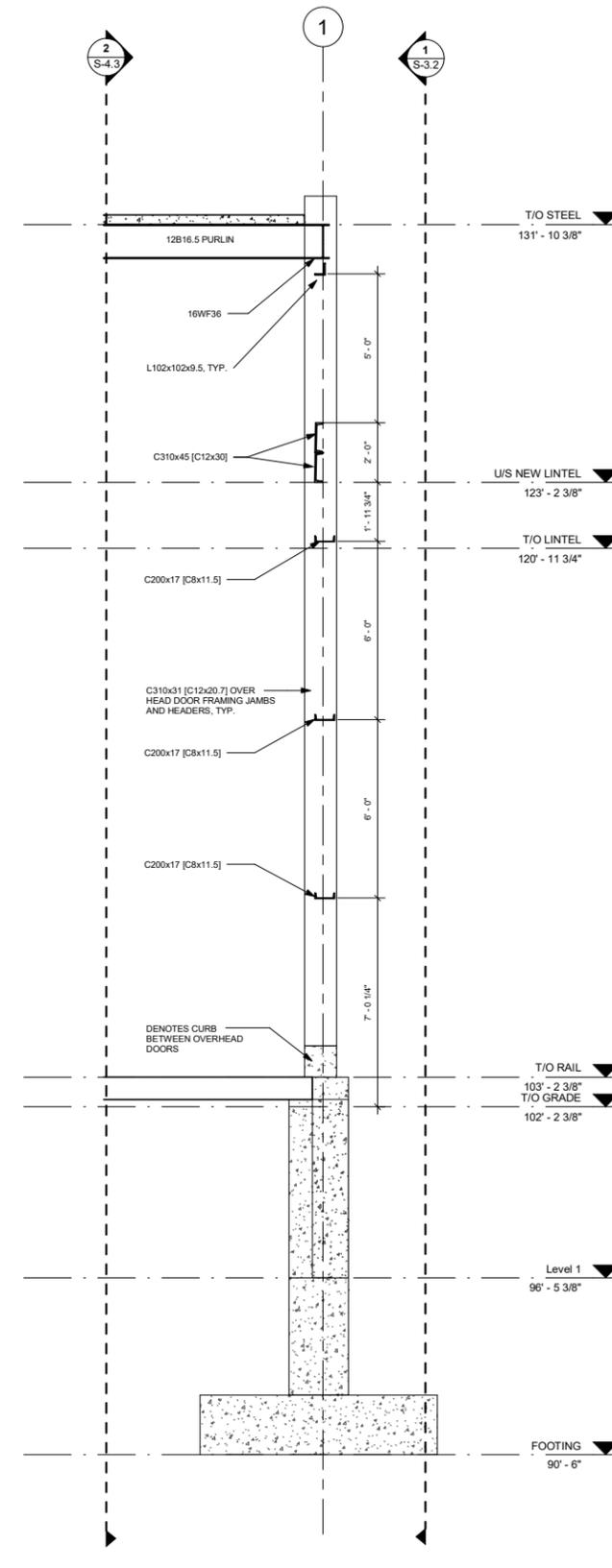
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DATE	ISSUE	REV.
<p>PROJECT: ONR DIESEL SHOP OVERHEAD DOORS</p>		
<p>LOCATION: COCHRANE, ON</p>		
<p>TITLE: INTERIOR ELEVATION</p>		
<p>DATE: 2025-09-16</p>		
<p>SHEET #: S-4.3</p>		
<p>SCALE: As Indicated</p>		



S1 WALL SECTION A @ CONCRETE CURB
S-2.1 3/8" = 1'-0"

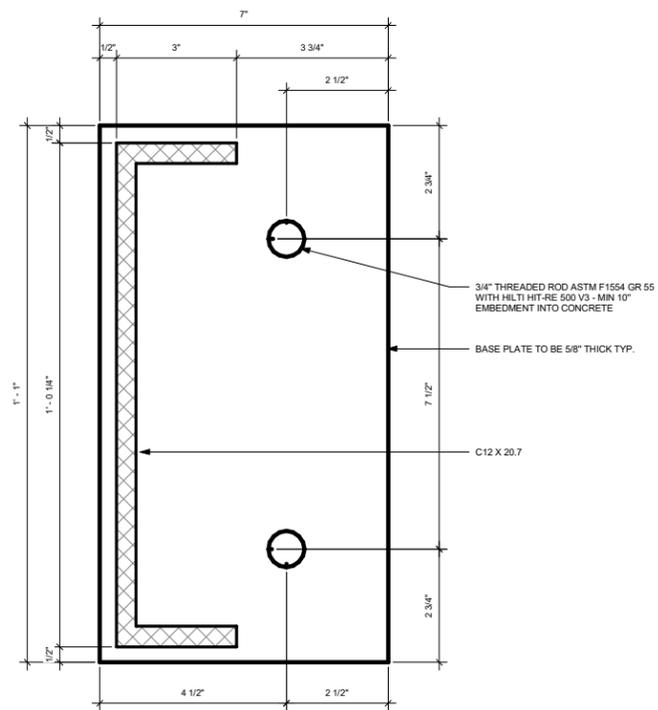


S2 WALL SECTION B @ OVERHEAD DOOR
S-2.1 3/8" = 1'-0"

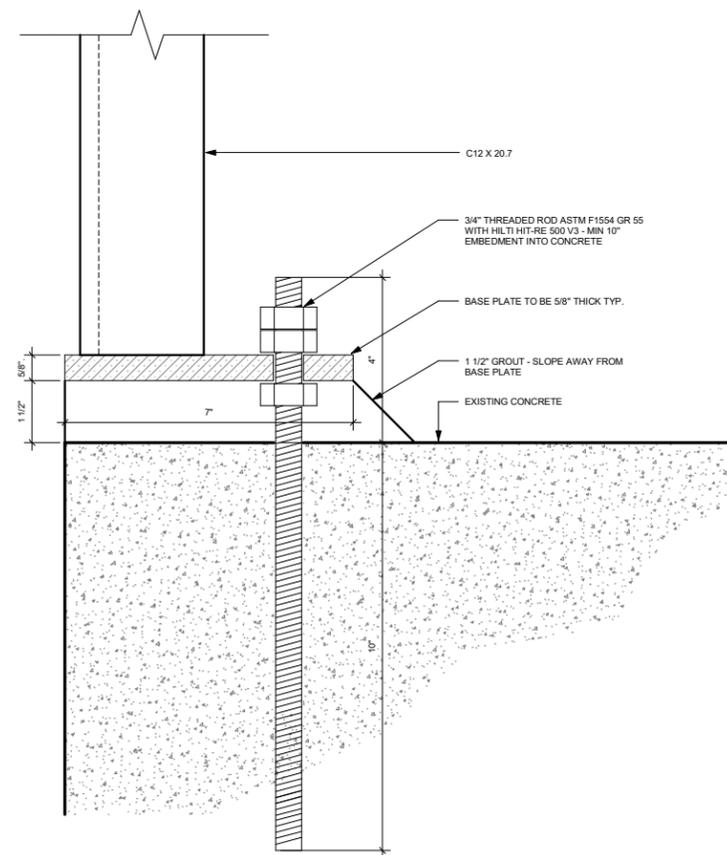


S3 WALL SECTION C @ BETWEEN OVERHEAD DOORS
S-2.1 3/8" = 1'-0"

2025-09-16	ISSUED FOR RFP	C
DATE	ISSUE	REV.
PROJECT: ONR DIESEL SHOP OVERHEAD DOORS		
LOCATION: COCHRANE, ON		
TITLE: STRUCTURAL WALL SECTIONS		
DATE:	2025-09-16	
SHEET #:		
S-5.1		
SCALE: 3/8" = 1'-0"		



TYPICAL BASE PLATE DETAIL
6" = 1'-0"



TYPICAL BASE PLATE ELEVATION DETAIL
6" = 1'-0"

GENERAL NOTES

1. STRUCTURAL DESIGN IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2024 AND THE USER'S GUIDE - NBC 2020 STRUCTURAL COMMENTARIES.
2. ALL WORK SHALL CONFORM WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE AND WITH ALL OTHER APPLICABLE CODES & BY-LAWS.
3. CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND ALL LOCAL, PROVINCIAL, AND FEDERAL ENVIRONMENTAL REGULATIONS WHEN PERFORMING THE WORK UNDER THIS CONTRACT.
4. READ THESE DRAWINGS IN CONJUNCTION WITH THE CIVIL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. COORDINATE THE REQUIREMENTS OF THESE TRADES WITH THE STRUCTURAL WORK AND PROVIDE FOR OPENINGS, SLEEVES, DUCTS, ETC. IN THE CASE OF DISCREPANCIES, NOTIFY THE ENGINEER OF RECORD IMMEDIATELY FOR CLARIFICATION. CUTTING OF REBAR OR CORING OF CONCRETE IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
5. DIMENSIONS ARE IN IMPERIAL UNLESS NOTED OTHERWISE.
6. CONFIRM ALL DIMENSIONS, ELEVATIONS, GRADES AND EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD.
7. THESE DRAWINGS SHOW FINISHED STRUCTURES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY SUPPORT STRUCTURES REQUIRED TO COMPLETE THE WORK. WHEN REQUESTED BY THE ENGINEER OF RECORD, THE CONTRACTOR IS TO PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO, FOR ANY SUCH TEMPORARY STRUCTURES.
8. PROPRIETARY SYSTEMS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
9. DO NOT SCALE THE DRAWINGS. DIMENSIONS SHOWN ON THE DRAWINGS ARE IN IMPERIAL UNITS.

STRUCTURAL STEEL

1. REFER TO DRAWINGS AND SPECIFICATIONS.
2. THE BUILDING IS DESIGNED TO BE SELF-SUPPORTING, STABLE AND CAPABLE OF WITHSTANDING THE LOADING NOTED AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS MAY INCLUDE THE ADDITION OF SHORING, TEMPORARY BRACING, TIE-DOWNS, ETC.
3. ALL STRUCTURAL STEEL ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CAN/CSA S16-09 - DESIGN OF STEEL STRUCTURES AND THE CANADIAN INSTITUTE OF STEEL HANDBOOK OF STEEL CONSTRUCTION, LATEST EDITION.
4. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE PERFORMED IN ACCORDANCE WITH CAN/CSA S16 (LATEST EDITION). VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
5. ALL STRUCTURAL STEEL PLATES, ANGLES AND CHANNELS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 300W, CLASS C.
6. ALL STRUCTURAL STEEL WIDE FLANGE SECTIONS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 350W.
7. ALL HOLLOW STRUCTURAL STEEL SECTIONS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 350W, CLASS C.
8. ALL ANCHOR BOLTS TO CONFORM TO CAN/CSA G40.20/G40.21 GRADE 300W AND SHALL BE ASTM A325 STRUCTURAL BOLTS, UNLESS NOTED OTHERWISE.
9. 1.5" (38mm) GROUT BELOW ALL BASE PLATES TO BE FLOWABLE NON-SHRINK, NON-METALLIC GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 40 MPa AT 14 DAYS.
10. ALL WELDING TO BE PERFORMED BY QUALIFIED WELDERS FULLY LICENSED FOR STRUCTURAL WELDING BY THE CANADIAN WELDING BUREAU IN ACCORDANCE WITH CSA SPECIFICATION W47.1 (LATEST EDITION).
11. WELDING ACTIVITIES SHALL BE COMPLETED IN ACCORDANCE WITH CSA W59. ELECTRODES TO BE E40XX, FILE AND GRIND WELDS SMOOTH AND FLUSH WHERE EXPOSED TO VIEW AND WHERE SPECIFICALLY INDICATED ON DRAWINGS.
12. ALL WELDS TO BE CONTINUOUS UNLESS NOTED OTHERWISE. THE MINIMUM FILLET WELD SIZE TO BE 6mm, UNLESS NOTED OTHERWISE.
13. ALL STRUCTURAL STEEL CONNECTIONS SHALL BE BOLTED.
14. ALL STRUCTURAL STEEL CONNECTIONS SHALL BE BOLTED CONNECTIONS USING 3/4" DIA. ASTM A325 BOLTS & HARDWARE.
15. NO HOLES OTHER THAN THOSE SHOWN ON REVIEWED SHOP DRAWINGS SHALL BE MADE IN ANY STEEL MEMBER WITHOUT WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
16. STRICTLY NO SPLICING OF ANY MEMBERS WILL BE ACCEPTED.
17. STRUCTURAL STEEL SUPPLIER TO SUBMIT STAMPED ENGINEERED SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

CONNECTION DETAILING

BEAM SHEAR CONNECTION:

1. WHEN CONNECTED TO "HSS" COLUMN OR FLANGE OF "W" COLUMN, THE REACTION IS CONSIDERED TO ACT AT THE FACE OF THE COLUMN (ECCENTRICITY = HALF COLUMN).
2. WHEN CONNECTED TO WEB OF "W" COLUMN, THE REACTION IS CONSIDERED TO ACT AT THE CENTER OF THE WEB (ECCENTRICITY = 0).
3. NON COMPOSITE BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR THE SHEAR VALUE RESULTING FROM THE BEAMS FACTORED MOMENT RESISTANCE UNDER UNIFORM LOADING CONDITIONS ($V_f = 4 \cdot M_r \cdot \text{BEAM SPAN}$) TYP. UN.
4. COMPOSITE BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR 60% OF THE BEAMS FACTORED SHEAR RESISTANCE ($V_f = 0.60 \cdot V_r$) TYP. UN.

MASONRY

1. ALL STRUCTURAL MASONRY ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CAN/CSA S304-04 - DESIGN OF MASONRY STRUCTURES.
2. ALL MASONRY WORK SHALL BE PERFORMED IN ACCORDANCE WITH CAN/CSA A371-14 - MASONRY CONSTRUCTION.

PAINTING

1. ENSURE THAT ALL STEEL SURFACES TO BE PAINTED ARE FREE OF RUST, LOOSE MILL SCALE, SLAG OR FLUX DEPOSIT, OIL, DIRT AND OTHER FOREIGN MATTER BY WIRE BRUSHING OR BY OTHER SUITABLE MEANS.
2. ALL STRUCTURAL STEEL SHALL HAVE A SURFACE PREPARATION CONFORMING TO STEEL STRUCTURES PAINTING COUNCIL - SSPC-SP6 "COMMERCIAL BLAST CLEANING".
3. ALL STEEL SHALL BE PRIMED PRIOR PAINTING. DFT OF THE PRIMING COAT SHALL CONFORM TO MANUFACTURE SPECIFICATIONS.
4. PRIMING COAT SHALL BE COMPLETED WITH CATHA COAT 302H (DFT 62.5-100µm) OR APPROVED EQUIVALENT.
5. PAINT COATING SHALL BE COMPLETED WITH DEVTHANE 349 (DFT 100-225µm) OR APPROVED EQUIVALENT.
6. PAINT COLOR SHALL BE SELECTED BY THE CLIENT.

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TITLE:		STRUCTURAL DETAILS
DATE:		2025-09-16
SHEET #:		S-6.1
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