



**The Niagara Parks Commission  
Agency of the Government of  
Ontario since 1885**

**ADDENDUM # 10**

**FOR**

**WEGO Transit and Fleet Operations Center Expansion**

**Request for Proposal No: RFP-22-2024-AD**  
**Issue Date of Addendum: January 16, 2025**  
**Proposal Submission Deadline: January 23, 2025 at 2:00 p.m. ET**

## ADDENDUM # 10

This RFP may only be amended or supplemented by an addendum. If The Niagara Parks Commission (“NPC”), for any reason, determines that it is necessary to provide additional information relating to this RFP, such information will be communicated to all Proponents by addenda by way of Bonfire. Each addendum shall form an integral part of this RFP.

NPC is issuing this Addendum to all potential Proponents to:

- advise them of the responses to the questions that were submitted by potential Proponents of the RFP, and/or;
- advise them of the clarifications/changes to this RFP.

Proponents are responsible for obtaining all addenda issued by the NPC.

### **Amendments:**

1. WEGO Service Garage Addition- Raimondo Architects Addendum #2 (attached to the end of this Addendum)

### **Questions & Answers:**

1. Since we are not providing curbs ,sidewalks or asphalt paving ,then I have to assume we are not providing topsoil or sod . Rough grade only. The original question was “is there sod repair” Please advise

**ANSWER: The site to be rough-graded. Sod repair will be completed under a separate contract.**

2. Since we are directed in Question 11 to only strip the asphalt at the new building footprint therefore, there would be no expectation to provide the new granular base at asphalt replacement areas as well as the cut/fill requirements in those same existing asphalt areas . By extension ,we presume we are not cutting/fill/grading the remainder of the site as well as redirecting the ditch . Please clarify this contracts requirements for “all” sitework beyond the face of the building....( with the understanding that curbs,sidewalks and fine grade/pave is NIC)

**ANSWER: The excavation and backfill to be completed around the perimeter of the building and to be brought to grade with granulars as required to be completed under this contract. Excavation and backfill as required for the relocation waterline to be completed under this contract. Any sitework including curbs, sidewalks, asphalt paving; redirection of the ditch will be completed under a separate contract.**

3. The office areas on the RFS do not show any vinyl base. Is it the intent to finish the drywall and mortar joints down to the concrete floor ,or will the owner be installing their own floors/base after this contract is completed.

**ANSWER: Drywall and masonry to be finished down to the concrete slab.**

4. Your answer regarding the concrete floor sealer /hardener refers us to a specification division 09 67 00 ; however , I cant find this division . Please advise.

**ANSWER: Refer to revised Structural addendum with floor hardener product.**

5. Your answer refers us to typical detail 3.42 with shows different ranges of heights on floor trenches, maximum 1.0 meters high . Can you be specific on the height and trench slope or do we use 1m deep per the detail? The invert on drawing M210 would imply a trench depth of about 300 or 400 mm. Please advise

**ANSWER: Refer to Mechanical Addendum**

6. The second part of this question remains unanswered ....(detail 3/A2-200) Can you provide a joint detail of the new Kingspan panel connection to the existing roof?

**ANSWER: Refer to Section 51/S4.5 & 31/S4.3 for connection details & Addendum architectural roof plan drawing.**

7. There is a porcelain tile specification , division 09 30 13 , however , I could not find any floor or wall tile on the RFS or wall elevations . Is there any tile work ( division 09 30 13 ) on this project?

**ANSWER: Ceramic Tile and Floor finishing is not required and will be reviewed under a separate contract.**

8. 08 5 13 Aluminum windows -Questions

2.5.1 – acceptable material is Alumicor Featureline 990 series. This window has been discontinued for a few years and no other manufacturers have a similar window (the 990 series had an exterior applied cap similar to curtain wall material which no one else offers to my knowledge) Please provide alternate window type.

**ANSWER: Alumicor Rain Blade 29000 Trueline.**

9. Mechanical supplier noticed on the drawings there are 2 expansion tanks but there is no schedule for them. Please advise.

**ANSWER: ARC Response: An Addendum will be issued for the expansion tanks**

10. two different exterior and three different interior finishes are specified, please confirm interior & exterior finish. (overhead doors are noted as medium bronze in Addendum 2, please note that only Alumicor offers medium bronze as a standard anodized finish and other manufacturers do not offer medium bronze finish at all)

**ANSWER: 2 color's finishes preferred Medium bronze or clear anodized, either will match exterior and interior building finishes.**

11. Based on the drawings and our site visit, it is understood that the existing roof needs to be demolished and replaced with a new system mechanically fastened to the steel deck. Could you please provide more detailed specifications and

drawings for this scope of work? Additionally, one of the roofers has suggested that mechanically fastened iso takes longer than non-mechanically fastened. Furthermore, the current roofing details and drawings are somewhat vague and generalized. It would be greatly appreciated if you could revise to include more specific callouts and details, particularly for the proper walls/parapets, and divisions of the roof.

**ANSWER:** Refer to A9-200 for roof details added at existing.

12. The following RFI regarding the Louvers from Construction Specialties - \* The Specification calls for Construction Specialties model RS-5300. Unfortunately, this model has been discontinued and is no longer available. We would propose our model RSH-5700 as an alternate 5" Deep model. Please note however that based on an industry standard 4' x 4' unit this model has a slightly lower free area of 45.8% (compared to 47.3%). However the RSH-5700 performs much better for Wind-Driven rain protection. Please advise if this model would be acceptable.

**ANSWER:** This was addressed in the previous set of questions. This is acceptable.

13. Please advise if there are any base building contractors such as – Precast Panels, Fire Alarm, Sprinklers

**ANSWER:** There are no base building contractors

14. Please provide the Hardware Schedules.

**ANSWER:** Not available. Disregard reference of hardware schedule.

15. Please advise if there is any abatement scope required? If yes can you please provide the DSS report.

**ANSWER:** A DSS report is being prepared. Any abatement requirement will be addressed and paid through the contingency allowance.

16. Please provide the geotechnical reports.

**ANSWER:** Geotechnical reports are not available.

17. Please advise if BAS (Building automation system) is required or not?

**ANSWER:** ARC Response: Full BAS Not required. However local controls capable of implementing the sequences listed on M-101 must be provided.

18. As per Add#2, Q.17 – For finish treatment of all concrete floors in the garage /repairs refers to section 09 67 00 – We did not find this section in specification. Please provide.

**ANSWER:** Refer to revised Structural addendum with floor hardener product.

19. For the office screens, it is mentioned that PC350 and PC351 are required. Could you please provide the specifications for these?

**ANSWER:** NPC does not want PC350 framing system for this facility. Consultant to revise for hollow metal screens. Refer to addendum architectural drawing.

20. Drawings A9-300 has details for "TYPICAL GLASS RAILING DETAIL". I could not find any indicated of a glass railing on the plans, Please confirm this is not part of this project?

**ANSWER:** Disregard, not applicable.

21. Drawings S1.0 between gridlines 4.3/ 6.3 & B.2/C.2 Notes "OPTION TO STEP FOOTINGS: REPLACE ALL FILL AROUND THE REMOVED SANT. LINE WITH ENGINEERED FILL or LEAN MIX UPTO THE NEW FOOTING ELEVATION, TYPICAL" please confirm if this scope of work is under our contract or a separate one since this area is outside of the existing building and it notes that the owner will be removing and abandoning the sanitary line?

**ANSWER:** The sanitary removal/relocation will be completed under a separate contract, and backfilled with compacted granulars. The contractor to excavate to design depths and have testing completed to verify any additional requirements.

22. Please confirm that the only site servicing scope of work under our contract is the new watermain?

**ANSWER:** The watermain is part of this tender scope of work.

23. Addendum #2 Question #17 notes to refer to section 09 67 00 for Typical Floor finish for the garage and repair areas. This specification section seem to be missing from the specifications. Could you please confirm if the intent is to include a hardener and sealer for all exposed concrete surfaces as part of the project?

**ANSWER:** Refer to revised Structural addendum with floor hardener product.

Addenda are the only means of verifying, clarifying or changing any of the information contained in the RFP. Other than the RFP Coordinator, no employee or agent of NPC is authorized to change the content of this RFP and/or any addenda.

No communications are to be directed to anyone other than the RFP Coordinator.

The "RFP Coordinator" is Adam De Giuli

**GARAGE SERVICE BUILDING ADDITION  
WEGO GARAGE- NIAGARA FALLS  
NIAGARA PARKS**

**ADDENDUM No.2**

The following information supplements and / or supersedes the bid documents issued on [Issued for Tender Date]. This addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject the bidder to disqualification.

- 1.0 **Clarification: DRAWINGS – [A0-100] – [Assemblies + Legends]**
  - 1.1 [Roof type Legend updated to match Specs.]
- 2.0 **Clarification: DRAWINGS – [A0-200] – [Occupant Loads, Exits + FRR Plans]**
  - 2.1 [Remove intumescent fireproofing detail.]
- 3.0 **Clarification: DRAWINGS – [A2-200] – [Roof Plans]**
  - 3.1 [A note was added to refer to mechanical for roof openings.]
  - 3.2 [Parapet detail added at existing building for reference.]
- 4.0 **Clarification: DRAWINGS – [A5-300] – [Enlarged Section Details]**
  - 4.1 [Updated Window details to include C-channel Furring wall to match plans.]
- 5.0 **Clarification: DRAWINGS – [A7-100] – [Door + Frame Schedule]**
  - 5.1 [Remove HM under all overhead doors.]
- 6.0 **Clarification: DRAWINGS – [A7-300] – [Window & Interior Screens Schedule]**
  - 6.1 [Interior office screens show clarification of hollow metal framing.]
- 7.0 **Clarification: DRAWINGS – [A9-100] – [Typical Roof Details]**
  - 7.1 [Removed concrete rooftop pavers detail.]
- 8.0 **Clarification: DRAWINGS – Structural Addendum No.1**
  - [Clarification per Bidder Questions.]
- 9.0 **Clarification: DRAWINGS – Mechanical Addendum No.1**
  - [Clarification per Bidder Questions.]
- 10.0 **Clarification: DRAWINGS – Electrical Addendum No.1**
  - [Clarification per Bidder Questions.]

**\*\*\* END OF ADDENDUM\*\*\***

26 pages total

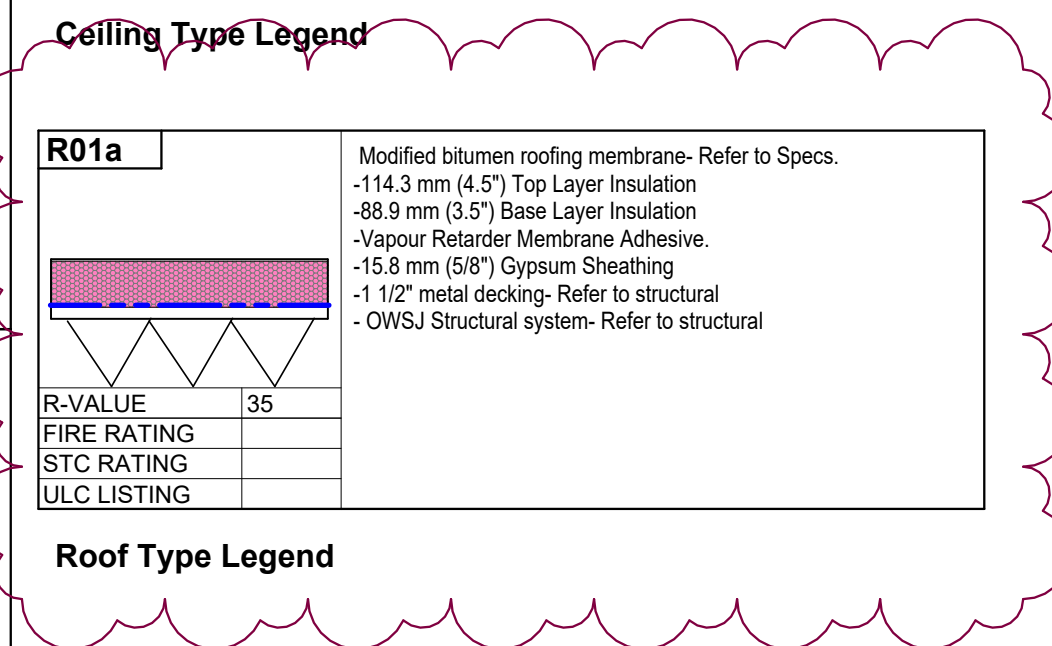
cc: Sean Racher, Adam DeGiuli, Andrew Holmes, Ron Carpenter

#	Pound OR Number
&	And
@	At
ACT	Acoustic Ceiling Tile
AD	Area Drain
AFF	Above Finished Floor
ALUM	Aluminum
ANOD	Anodized
BSMT	Basement
BYND	Beyond
BOT	Bottom
CIP	Cast In Place
CHNL	Channel
CJ	Control Joint
CLG	Ceiling
CLR	Clear
CMU	Concrete Masonry Unit
COL	Column
COMPR	Compressible
CONC	Concrete
CONT	Continuous
CPT	Carpet
CT	Ceramic Tile
CTYO	Courtyard
DBL	Double
DEMO	Demolish or Demolition
DIA	Diameter
DIM	Dimension
DIMS	Dimensions
DN	Down
DR	Door
DW	Drawing
EA	Each
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator or Elevation
EPDM	Ethylene Propylene Diene M-Class (Roofing)
EQ	Equal
EXIST	Existing
EXP JT	Expansion Joint
EXT	Exterior
FD	Floor Drain or Fire Department
FEC	Fire Extinguisher Cabinet
FIXT	Fixture
FLR	Floor
FM	Filled Metal
FO	Face Of
FND	Foundation
GA	Gauge
GALV	Galvanized
GWB	Gypsum Wall Board
HC	Hollow Core
HI	High
HM	Hollow Metal
HP	High Point
HR	Hour
HVAC	Heating, Ventilating, And Air Conditioning
IRGWB	Impact Resistant Gypsum Wall Board
ILO	In Lieu Of
INSUL	Insulated or Insulation
INT	Interior
LO	Low
MAX	Maximum
MO	Masonry Opening
MECH	Mechanical
MEMBR	Membrane
MIN	Minimum
MRGWB	Moisture-Resistant Gypsum Wall Board
MTL	Metal
NIC	Not In Contract
NO	Number
NOM	Nominal
OC	On Center
OH	Opposite Hand
OZ	Ounce
PCC	Pre-Cast Concrete
PLUMB	Plumbing
PLYD	Plywood
PT	Pressure Treated
PNT	Paint or Painted
PVC	Polyvinyl Chloride
RBR	Rubber
RCP	Reflected Ceiling Plan
RD	Road Drain
REQD	Required
RM	Room
SIM	Similar
SPEC	Specifier or Specification
SPK	Sprinkler or Speaker
SSTL	Stainless Steel
STC	Sound Transmission Coefficient
STL	Steel
STRUCT	Structure or Structural
T&G	Tongue And Groove
TELE	Telephone
TLT	Toilet
TO	Top Of
TOC	Top Of Concrete
TOS	Top Of Steel
TPD	Toilet Paper Dispenser
TD	Telephone/Data
TYP	Typical
UNO	Unless Noted Otherwise
UIS	Underside
VIF	Verify In Field
VP	Vision Panel
W	With
WD	Wood

<b>W01</b>	CIP concrete wall (see structural for thickness) exterior waterproofing... blueskin wp (or comparable) delta ms foundation protection membrane min. R-15 continuous 3" rigid insulation on exterior (see plan for locations)	
<b>W03</b>	Concrete Masonry (loadbearing) & (Non loadbearing) 200mm (8") CMU (see structural for thickness) & 250mm (10") CMU (see structural for thickness)	
<b>W05</b>	Prefabricated Structural Steel System (Refer to structural for more information)  Structure Steel System :  Z-Girt channel system, per prefabricated system	
<b>W07</b>	Insulated Metal Panel (non-loadbearing) (Refer to specifications for more information)  Assembly: 1mm (1/8") - Exterior metal panel 127mm (5") - Insulation Foam by "Kingspan's QuadCore Technology" 1mm (1/8") - Exterior metal panel	
<b>W09</b>	metal stud (non-loadbearing) 13 mm (1/2") gwb 92 mm (3 5/8") metal studs @ 406 mm (16") o/c 13 mm (1/2") gwb	
<b>W10</b>	metal stud (non-loadbearing) 13 mm (1/2") gwb 92 mm (3 5/8") metal studs @ 406 mm (16") o/c 13 mm (1/2") gwb	

**Wall Type Legend**

<b>P06b</b>	metal stud (non-loadbearing) 13 mm (1/2") gwb 92 mm (3 5/8") metal studs @ 406 mm (16") o/c 13 mm (1/2") gwb	
<b>P09</b>	metal stud (non-loadbearing) 13 mm (1/2") gwb 92 mm (3 5/8") metal studs @ 406 mm (16") o/c 13 mm (1/2") gwb	
<b>P05a</b>	metal stud (non-loadbearing) 13 mm (1/2") gwb 92 mm (3 5/8") metal studs @ 406 mm (16") o/c 13 mm (1/2") gwb	
<b>SW1</b>	Shaft Wall (non-loadbearing) 16 mm (5/8") gwb - type x 64 mm (2 1/2") CGC C-H studs, 25 ga. spaced 610mm (24") o/c 25 mm (1") thick by nom. 610 mm (24") wide gyp. liner panels friction fit	
<b>DW2a</b>	metal stud (non-loadbearing) 16 mm (5/8") gwb - type-x (taped) 16 mm (5/8") gwb - type-x 150 mm (6 in.) deep, 20 ga. steel stud spaced max. 610 mm (24 in.) o/c mineral wool batt insulation 16 mm (5/8") gwb - type-x 16 mm (5/8") gwb - type-x (taped)  note: only one electrical device box per stud cavity <b>(OBC SB-2 - Assembly S9a)</b>	



<b>C01a</b>	1 layer of 13 mm (1/2") gypsum board	
<b>C05a</b>	22 mm (7/8") furring channel 16 mm (5/8") gwb - type-x 16 mm (5/8") gwb - type-x	
<b>SAT1</b>	Typ. all corridors unless noted 2x4 scored tile selection by owner	

<b>FL1</b>	CIP Radiant Heated Slab on Grade -150mm cast in-place concrete slab smooth surface finish - 2 layers of Welded Wire Fabric (see structural for reinforcing) - cont. 10 ml. poly vapour barrier - 51mm (2") rigid insulation (R10) for 610mm (24") of building exterior at u/s of slab. - 300mm Layer of Granular "A" (see structural for backfill options).	
<b>FL2</b>	Precast Hollowcore slab (non-loadbearing) - 25mm Concrete Topping Smooth Finish. - 290mm hollowcore precast concrete slab. (Refer to structural for more information) *Contractor to send over shop drawings for review prior to installation*	

Floor Type Legend

- OVERALL PROJECT GENERAL NOTES:**
- ALL DRAWINGS ARE TO BE READ AS A COMPLETE PACKAGE, INCLUDING COORDINATION WITH THE SPECIFICATIONS.
  - FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL PLANS.
  - FOR ALL STRUCTURAL SERVICES REFER TO STRUCTURAL PLANS.
  - FOR ALL ELECTRICAL SERVICES REFER TO ELECTRICAL PLANS.
  - EXTERIOR WALL DIMENSIONS SHOWN ARE TAKEN TO THE EXPOSED FACE OF MASONRY VENEER, INSIDE FACE OF CONCRETE BLOCK AND THE CENTERLINE OF OPENING UNLESS NOTED OTHERWISE.
  - INTERIOR DIMENSIONS SHOWN ARE TAKEN TO THE FACE OF WOOD STUD, CONCRETE BLOCK AND THE CENTERLINE OF PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  - ALL EXPOSED INTERIOR GWB FINISHES SHALL BE TAPED, FILLED, SANDED AND MADE GOOD FOR FINISH UNLESS NOTED OTHERWISE.
  - REFER TO DRAWINGS A0-100 & A0-101 FOR REQUIRED FIRE SEPARATIONS AND FIRE RESISTANCE RATINGS OF FLOORS AND SUPPORTING ASSEMBLIES.
  - REFER TO FLOOR PLANS FOR ALL DOOR AND SCREEN NUMBERS & LOCATIONS. REFER TO DRAWING & SPECS FOR INTERIOR FINISH SCHEDULE AND CEILING HEIGHTS.
  - ALL DIMENSIONS TO BE SITE VERIFIED.
  - FINISH ALL SIDES ON 1/2 HEIGHT WALLS.
  - UNDERSIDE OF ALL STAIRWELLS TO BE FINISHED WITH 5/8" GYPSUM BOARD ON 7/8" FURRING CHANNELS @ 24" ON CENTRE.

- GENERAL CEILING NOTES:**
- FURTHER INFORMATION ON CEILINGS AND FINISHES REFER TO ROOM FINISH SCHEDULE IN SPECS.
  - REFER TO SPECIFICATIONS FOR DESCRIPTION OF CEILING TILE TYPES.
  - REFER TO ELECTRICAL DRAWINGS FOR LIGHTING TYPE DESCRIPTIONS.
  - REFER TO MECHANICAL DRAWINGS FOR AIR DIFFUSER AND VENT DESCRIPTIONS.
  - REFER TO DRAWING A0.1 & A0.2 FOR REQUIRED FIRE SEPARATIONS AND FIRE RESISTANCE RATINGS OF FLOORS AND SUPPORTING ASSEMBLIES.
  - REFER TO DRAWING A2.0 FOR EXTERIOR AND INTERIOR WALL TYPES LEGEND, RELATED NOTES AND ABBREVIATIONS.
  - REFER TO DRAWINGS A2.0 - A2.5 FOR ALL DOOR AND SCREEN NUMBERS & LOCATIONS.
  - REFER TO ELEVATIONS DRAWING A3.0 & A3.1 FOR WINDOW TAGS AND EXTERIOR FINISH SCHEDULE.
  - REFER TO SPECS FOR INTERIOR FINISH SCHEDULE AND CEILING HEIGHTS.

- WALL TYPE ASSEMBLY NOTES**
- REFER TO STRUCTURAL DWGS FOR REINFORCEMENT.
  - SEE SPECIFICATIONS FOR TRANSITION MEMBRANES.
  - REFER TO FINISH SCHEDULE FOR ALL FINISHES.
  - ALL WALLS EXTEND TO U/S OF ROOF DECK OR FLOOR STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
  - ALL GWB MATERIALS TO RECEIVE 1 COAT PRIME + 2 COATS OF PAINT - UNLESS NOTED OTHERWISE.

**BUILDING ENVELOPE REQUIREMENTS- SB-10- Niagara Falls- 3600 Degree Day Below 18 Degs**

**CLIMATE ZONE 5 (NON-RESIDENTIAL)- Table 5.5-5 in 2017- supercedes Table 5.5-5 in 2013**

OPAQUE ELEMENTS:	MAX.U	MAX. R-VALUE
ROOF (INSULATION ENTIRELY ABOVE DECK)	U-0.039	R37.5 CI (Min. R-35)
WALLS ABOVE GRADE (OTHER)	U-0.080	R40 CI (Min. R13 +R12 CI)
WALLS BELOW GRADE (BELOW GRADE WALL)	C-0.092	R15 CI (Min. R15)
SLAB ON GRADE (UNHEATED)	F-0.540	R15 CI (Min. R10)
OPAQUE DOORS (SWINGING)	U-0.45	

FENESTRATION:	MAX.U	MAX. SHGC
NON-METAL FRAMING	U-0.29	0.4
METAL FRAMING (CURTAINWALL/ STOREFRONT)	U-0.38	0.4
METAL FRAMING (ENTRANCE DOOR)	U-0.69	0.4
METAL FRAMING	U-0.45	0.4



CLIENT NAME  
**Niagara Parks Commission**

PROJECT NAME  
**WEGO Garage Addition-Phase 1**

PROJECT ADDRESS  
**7805 Niagara River Pkwy, Niagara Falls, ON**

SHEET NAME  
**Assemblies + Legends**

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CHECKED:	Checker

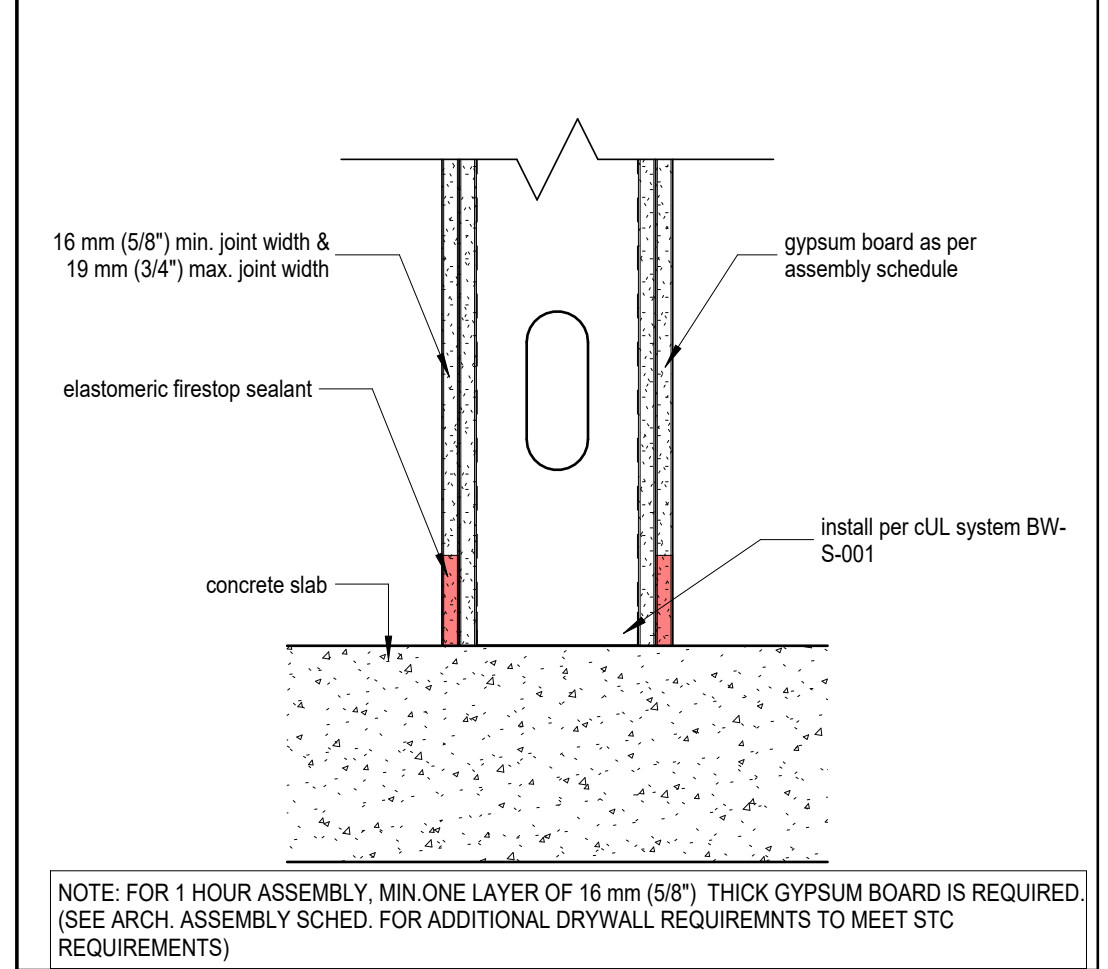
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DO NOT SCALE DRAWINGS. REPORT ALL DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING. ALL DRAWINGS AND DESIGNS REMAIN THE PROPERTY OF THE ARCHITECT, AND ARE PROTECTED UNDER COPYRIGHT.  
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SHEET #

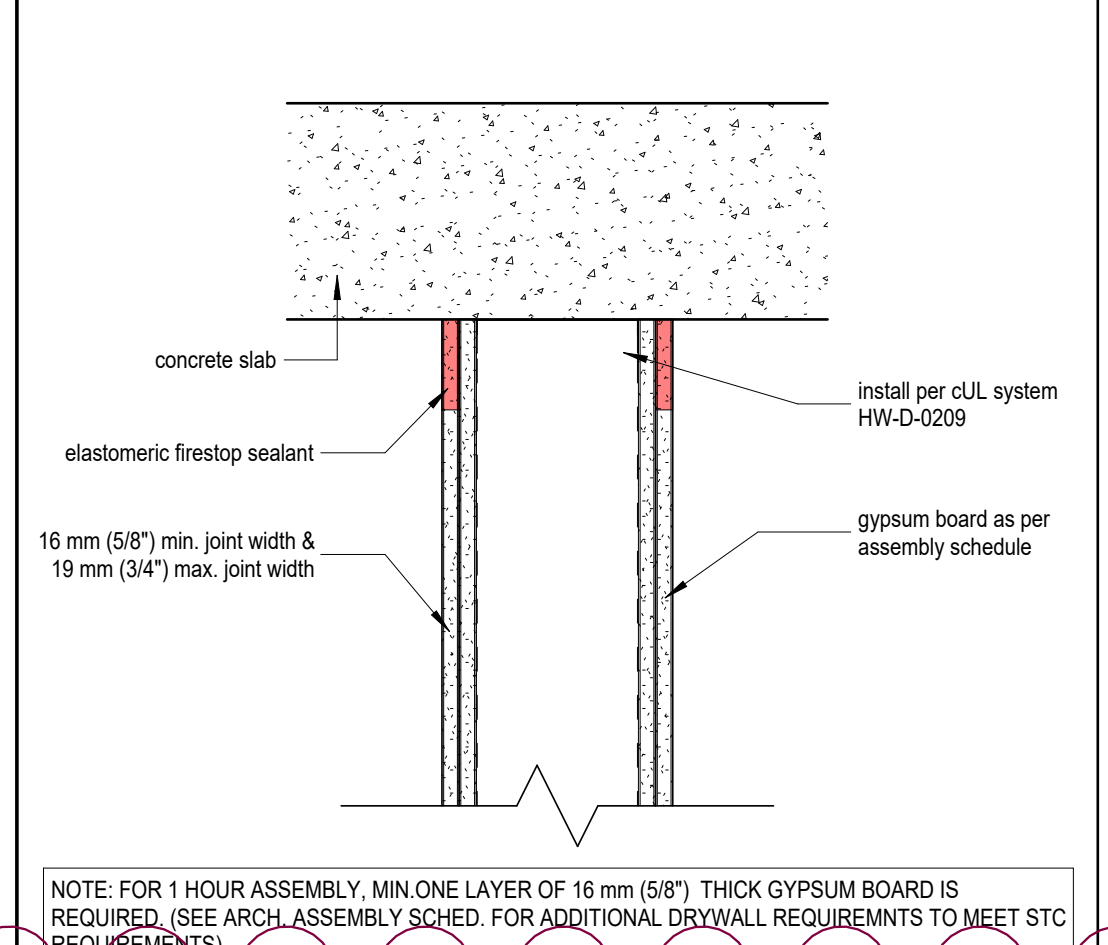
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REV. #

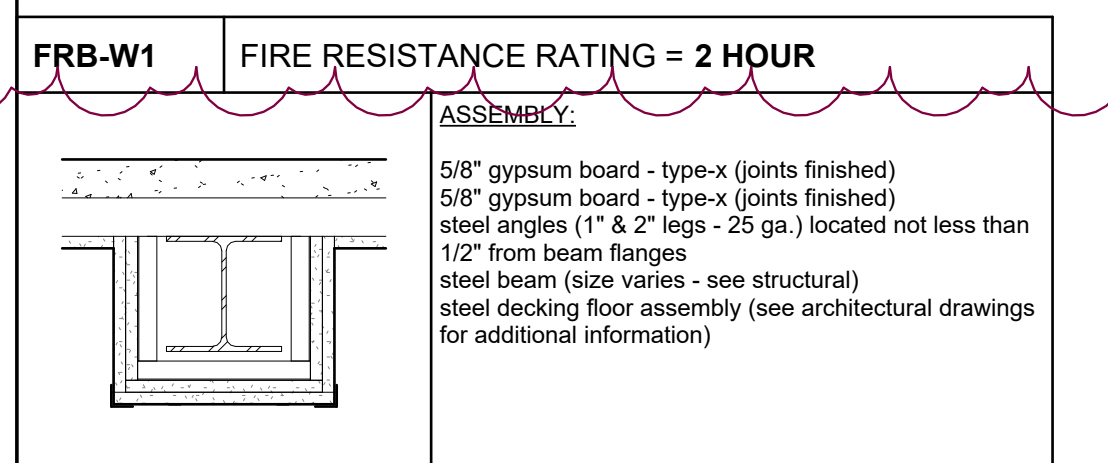
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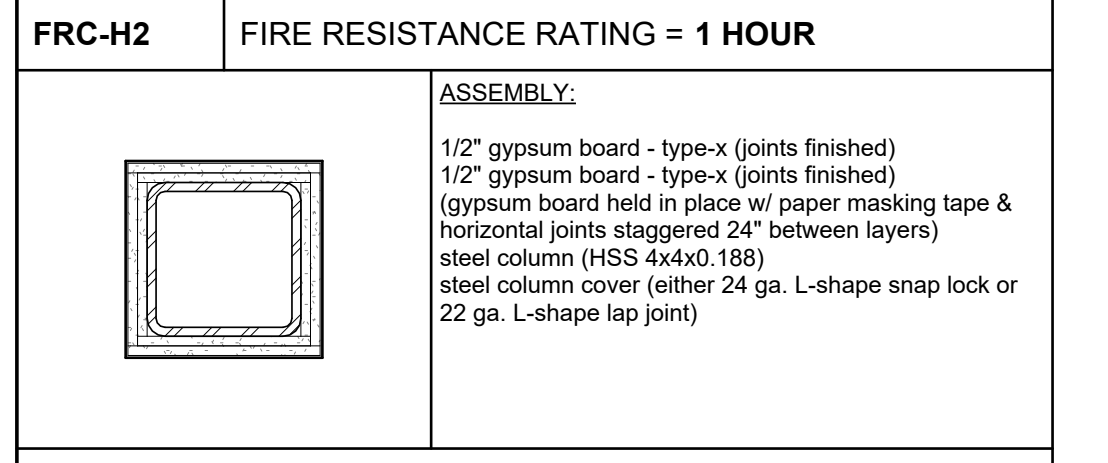
**BW-S-001** TYP. FIRE STOPPING @ METAL STUD DEMISING WALL (BOTTOM OF WALL ASSEMBLY @ CONCRETE FLOOR)  
1HR & 2HR FRR



**HW-D-0209** TYP. FIRE STOPPING @ METAL STUD DEMISING WALL (TOP OF WALL ASSEMBLY @ CONCRETE FLOOR ABOVE)  
1HR & 2HR FRR



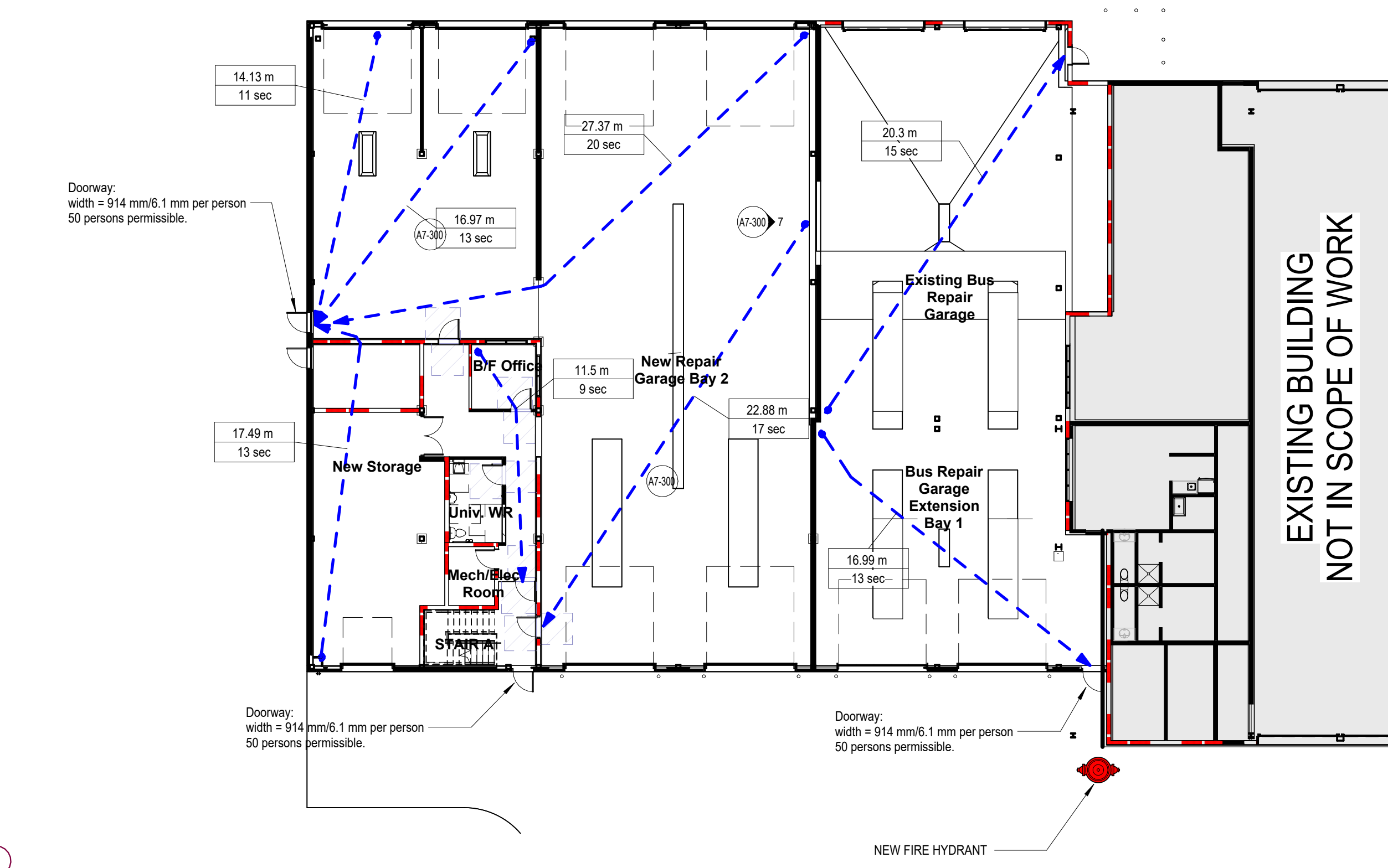
**ULC O501**



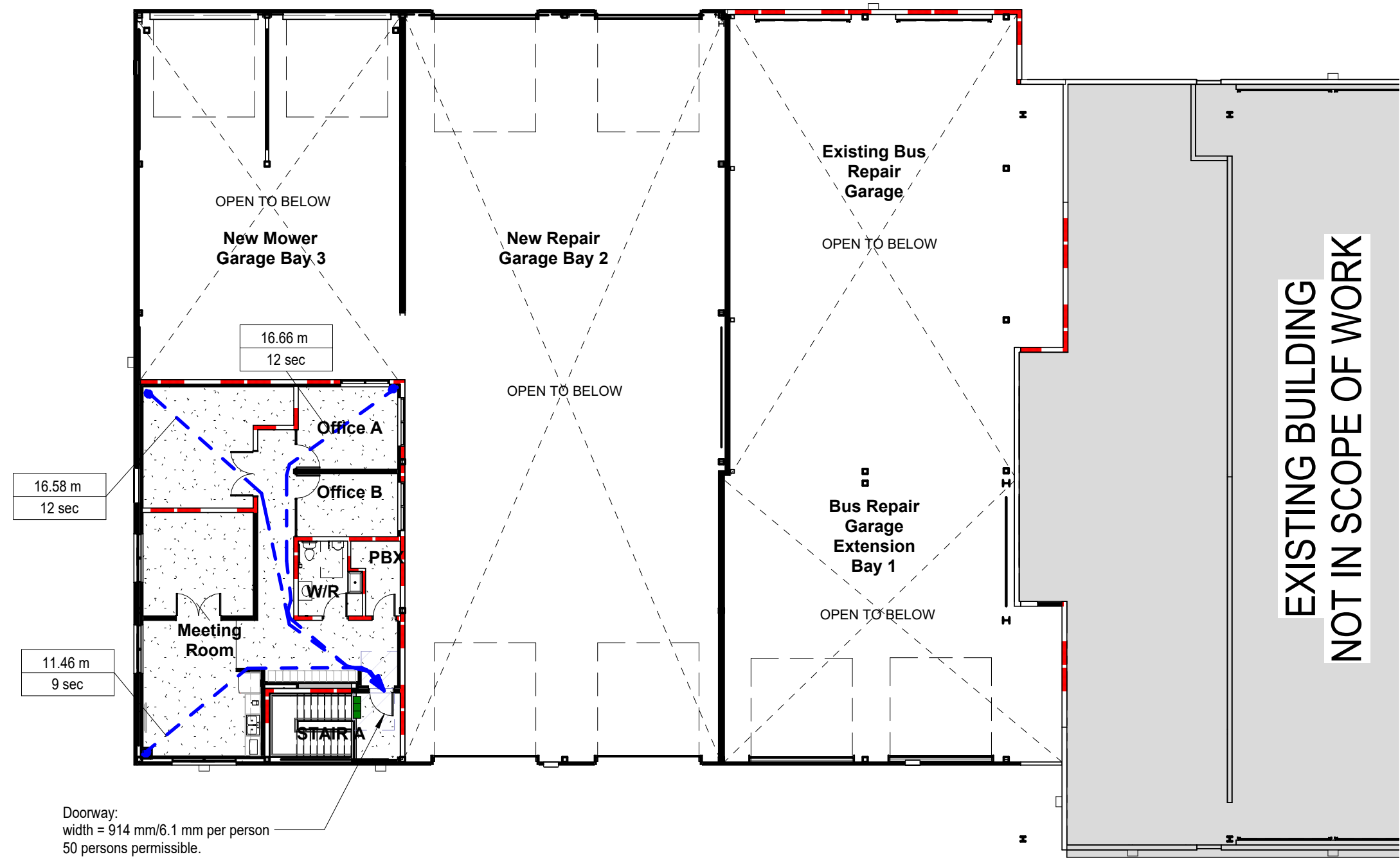
**UL X526** (steel column cover)

Water Closets for Industrial Occupancies (O.B.C. Table 3.7.4.9.)

Occupancy	Level	Area	Type of Use of Building or Floor Area or Part of Floor Area (Rooms)	Area per Person, m <sup>2</sup>	Area Occupant Load	# of Persons of Each Sex	Minimum # of Water Closets	Additional # of Water Closets	Totals
	1st Floor Level	397.66 m <sup>2</sup>	6. Industrial uses - storage garages	46	9	1. up to 9	1	0	1



**First Floor Level (FRR)**  
scale: 1:200



**Second Floor Level (FRR)**  
scale: 1:200

**ONTARIO BUILDING CODE - SUPPLEMENTARY STANDARD SB-2**

**TABLE 2.3.4.A. - TIME ASSIGNED TO WALLBOARD MEMBRANES ON FIRE EXPOSED SIDE**

Description of Finish	Time, min
11.0 mm (7/16") Douglas Fir Plywood Phenolic Bonded	10 (1)
14.0 mm (9/16") Douglas Fir Plywood Phenolic Bonded	15 (1)
12.7 mm (1/2") Type-X Gypsum Wall Board	25
15.9 mm (5/8") Type-X Gypsum Wall Board	40
Double 12.7 mm (1/2") Type-X Gypsum Wall Board	80 (2)

**Notes to Table 2.3.4.A.:**  
(1) Non-loadbearing walls only, stud cavities filled with mineral wool conforming to CANULC-S701, "Mineral Fibre Thermal Insulation for Buildings", and having a mass of not less than 2 kg/m<sup>2</sup>, with no additional credit for insulation according to Table 2.3.4.D.  
(2) Applied to non-loadbearing steel frame walls only

**FIRE SAFETY PLAN LEGEND**

	1 HOUR FIRE RESISTANCE RATING
	PATH / DIRECTION OF TRAVEL
	EXIT
#	# OF OCCUPANTS
#	# OF OCCUPANTS EXITING THROUGH DOORS
	(F/E) FIRE EXTINGUISHER CABINET (SEE DETAIL)
	Fire Extinguisher (see mech)

**Path of Travel Schedule**

Mark	Level	Length
	2nd Floor Level	16584
	2nd Floor Level	11457
	2nd Floor Level	16665
	1st Floor Level	11504
	1st Floor Level	17491
	1st Floor Level	22676
	1st Floor Level	27374
	1st Floor Level	16972
	1st Floor Level	14132
	1st Floor Level	16995
	1st Floor Level	20296

3 - Jan 10, 2025  
A - May 10, 2024  
B - May 24, 2024  
C - Dec 04, 2024

Issued For Client Review  
Issued For Client Review  
Issued For Tender



**CLIENT NAME**  
Niagara Parks Commission

**PROJECT NAME**  
WEGO Garage Addition-Phase 1

**PROJECT ADDRESS**  
7805 Niagara River Pkwy, Niagara Falls, ON

**SHEET NAME**  
Occupant Loads, Exits + FRR Plans

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**PROJECT NO.:** 24-006  
**CHECKED:** Checker

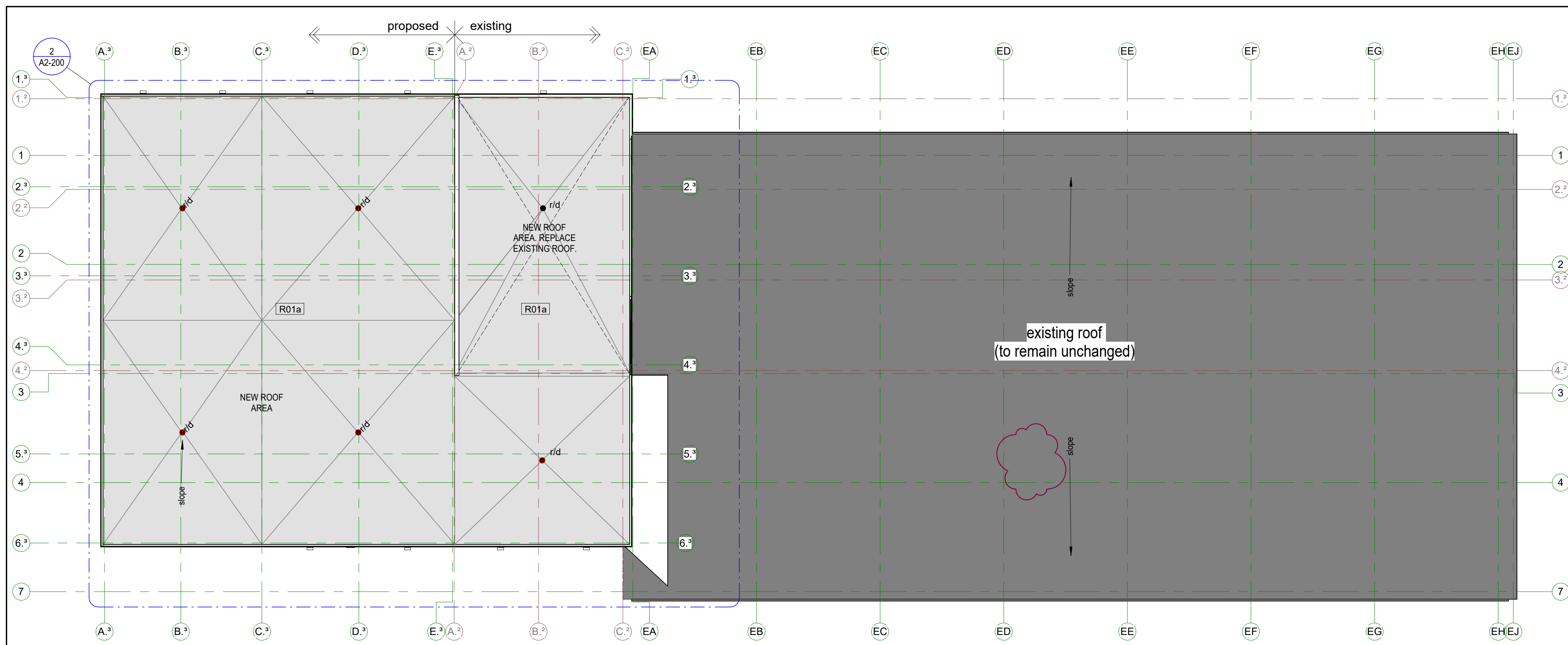
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**SHEET #**

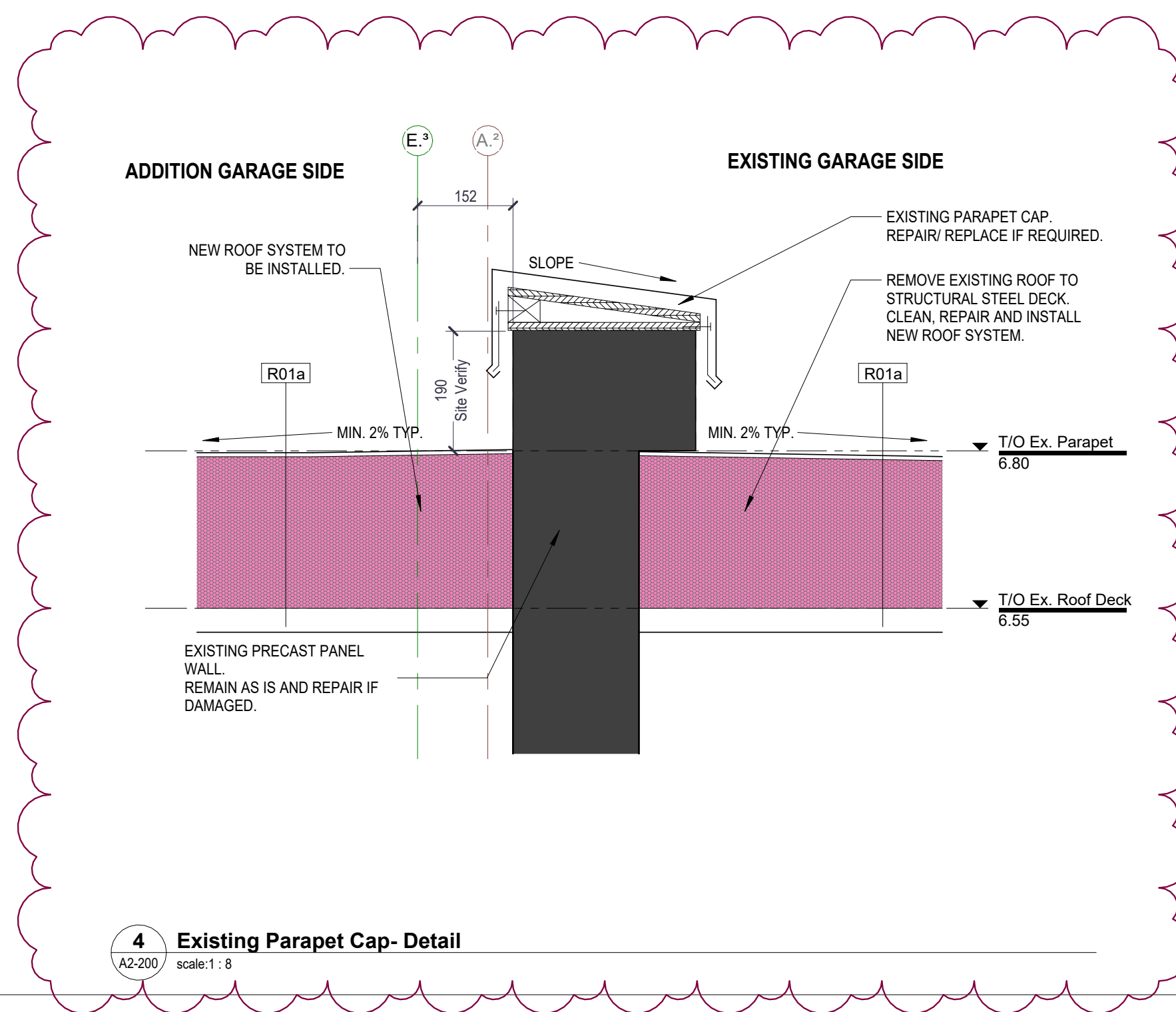
**A0-200**

**REV. #**

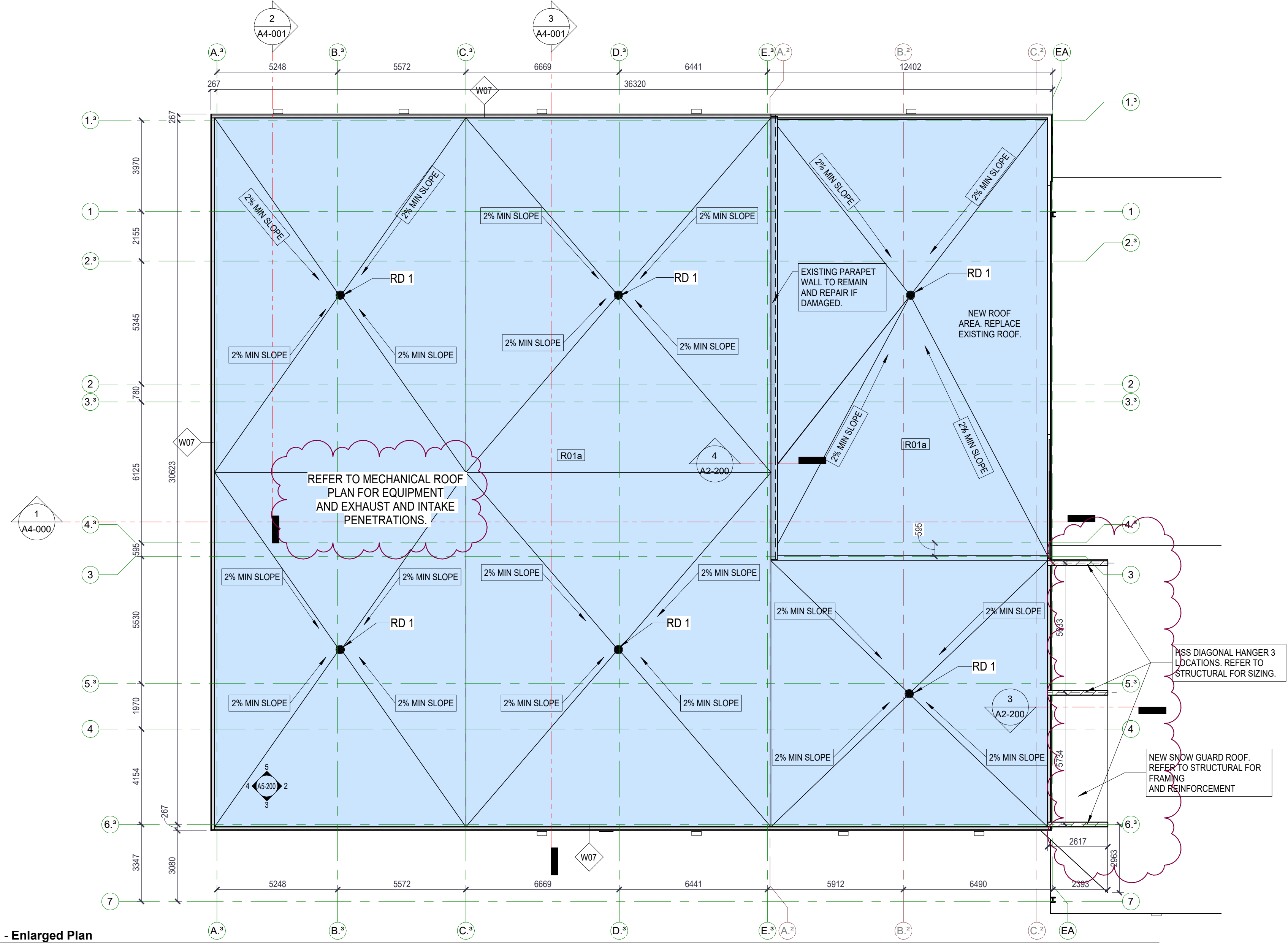




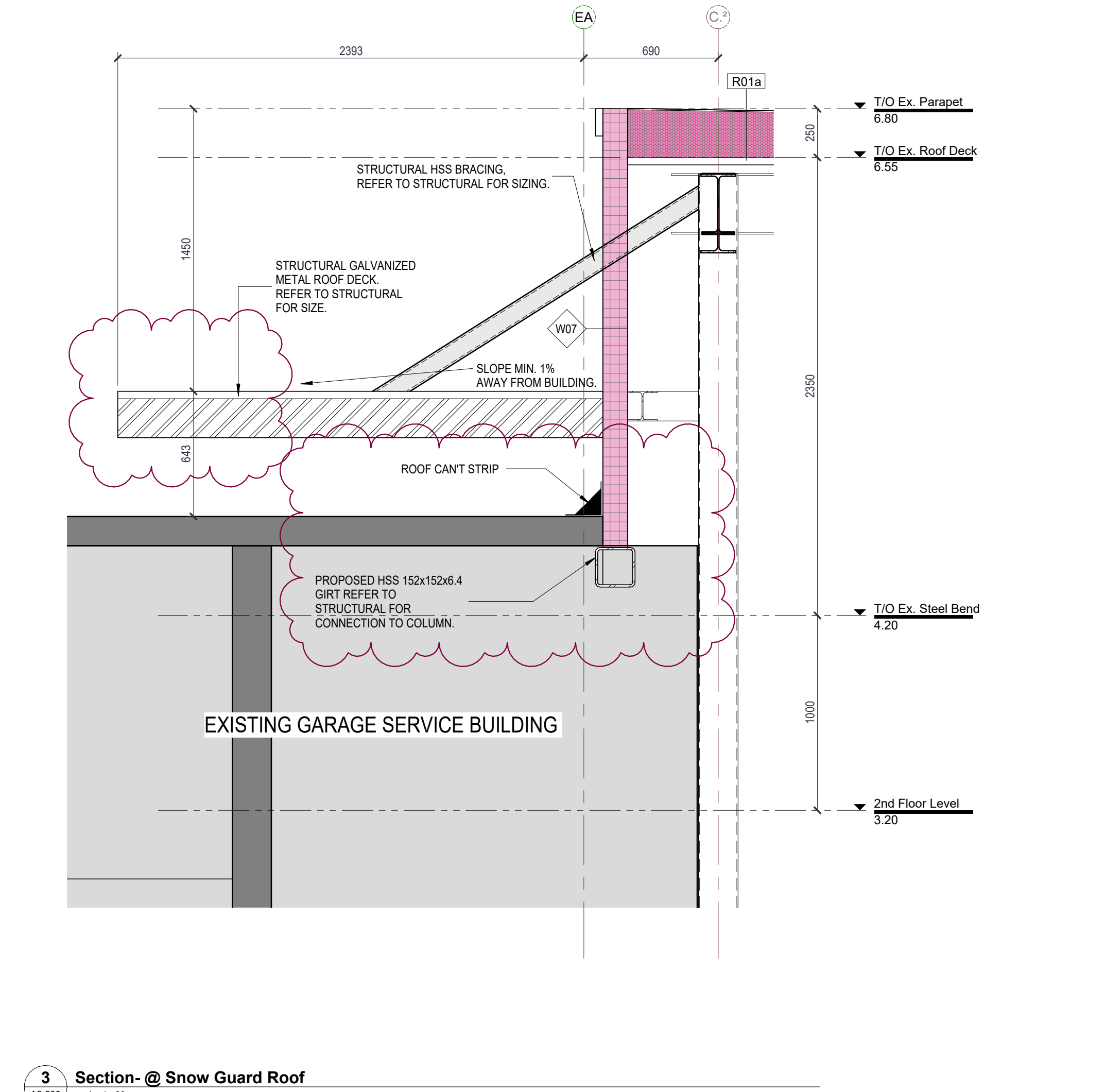
1 Roof Plan  
A2-200  
scale: 1: 200



4 Existing Parapet Cap- Detail  
A2-200  
scale: 1: 8



2 Roof Plan - Enlarged Plan  
A2-200  
scale: 1: 125



3 Section -@ Snow Guard Roof  
A2-200  
scale: 1: 20

Autodesk Docs://24-006 - NPC - WEGO Garage Niagara Falls 24-006 - NPC - WEGO Garage Niagara Falls 24-006 - NPC - WEGO Garage Niagara Falls 12-12-2024.rvt

2	Dec 28, 2024	Addendum #1
3	Jan 10, 2025	Addendum #2
A	May 10, 2024	Issued For Client Review
B	May 24, 2024	Issued For Client Review
C	Dec 04, 2024	Issued for Tender



CLIENT NAME  
**Niagara Parks Commission**

PROJECT NAME  
**WEGO Garage Addition- Phase 1**

PROJECT ADDRESS  
**7805 Niagara River Pkwy, Niagara Falls, ON**

SHEET NAME  
**Roof Plans**

DRAWN BY: **MBK**

DATE: **15/01/2025 1:32:45 PM**

SCALE: **As Indicated**

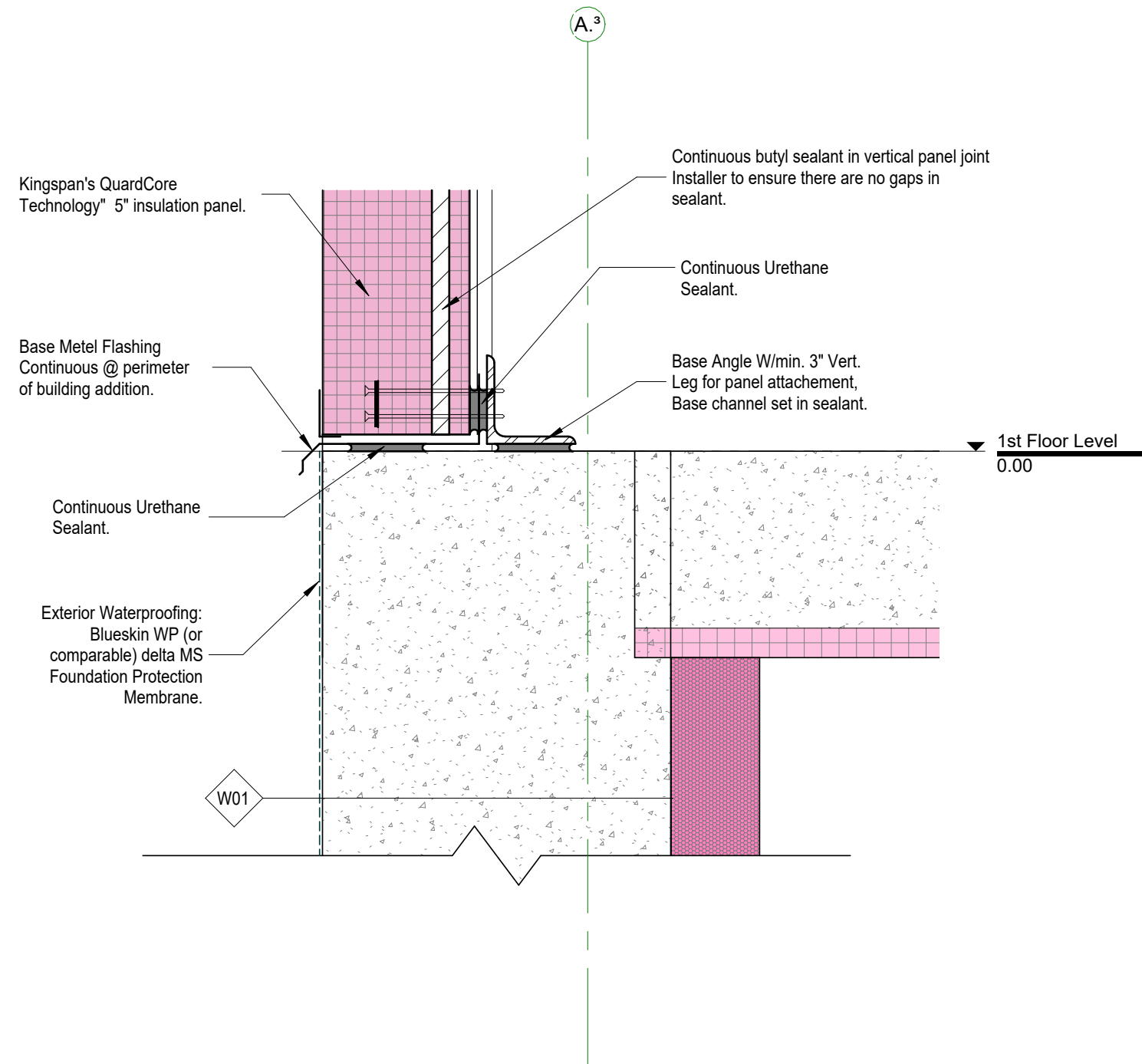
PROJECT NO.: **24-006**

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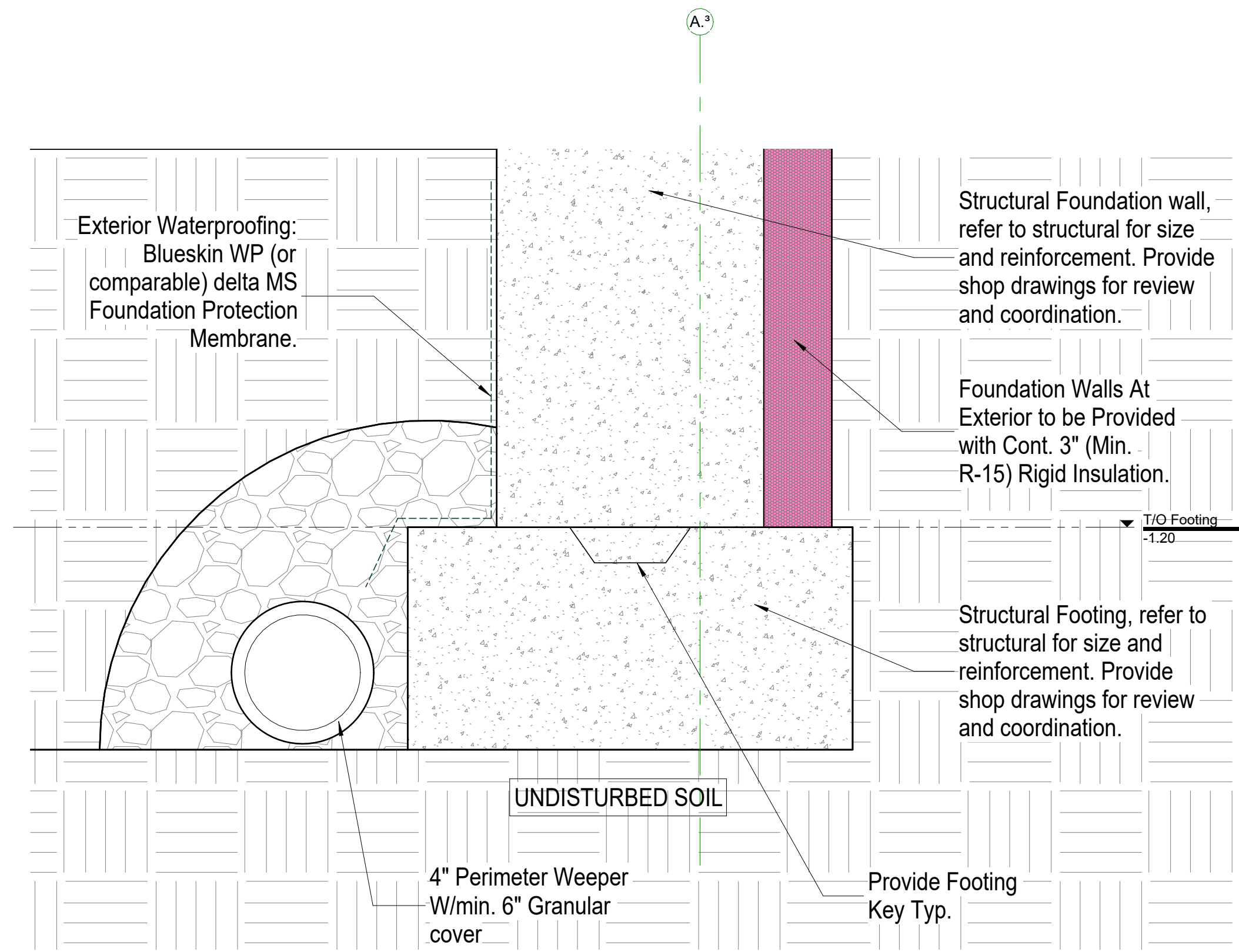
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SHEET #  
**A2-200**

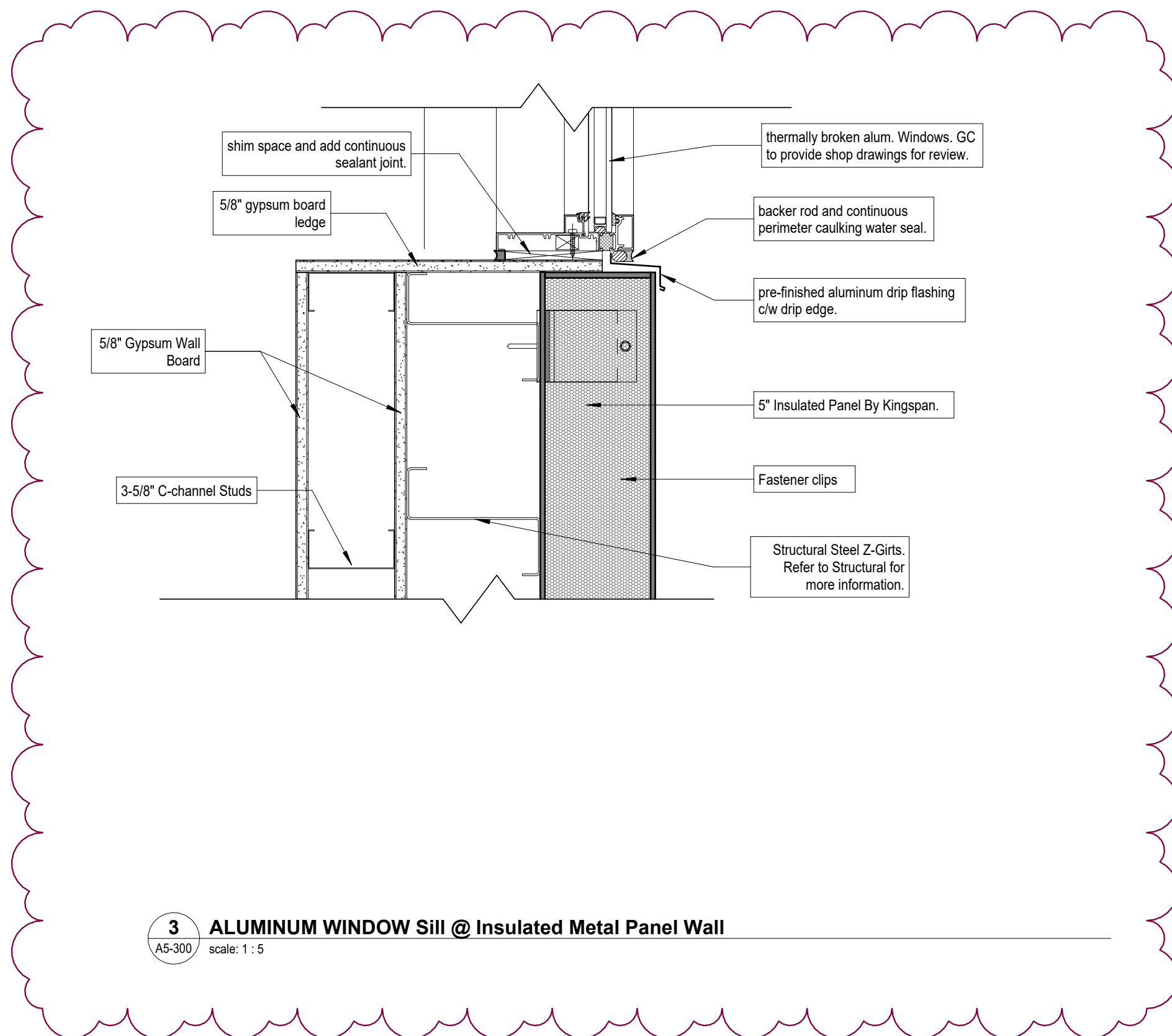
REV #



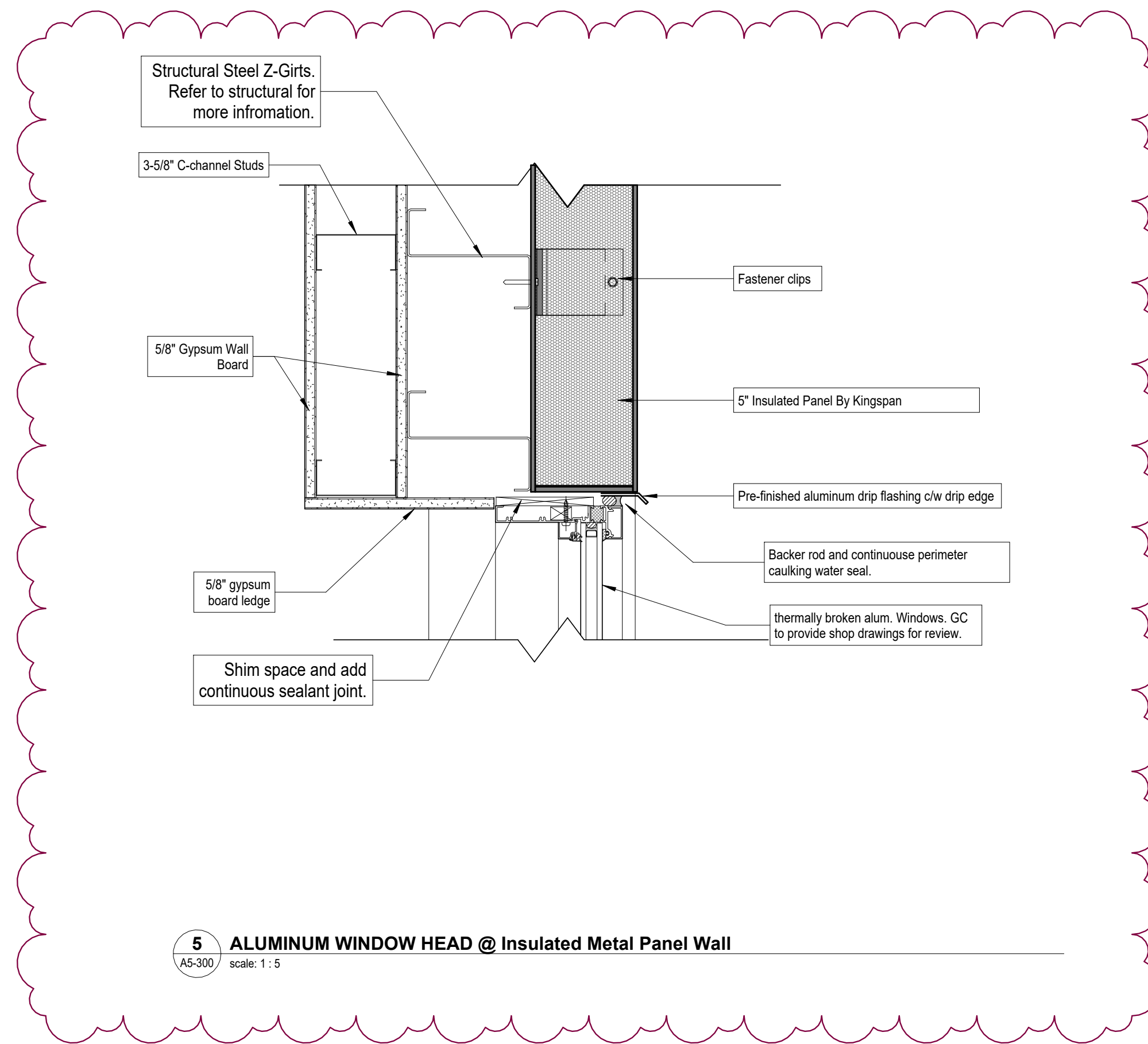
**1** Typ Exterior Detail Foundations  
AS-300 scale: 1:5



**2** Typ Bottom of Footing Detail  
AS-300 scale: 1:5



**3** ALUMINUM WINDOW SILL @ Insulated Metal Panel Wall  
AS-300 scale: 1:5



**5** ALUMINUM WINDOW HEAD @ Insulated Metal Panel Wall  
AS-300 scale: 1:5

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**CLIENT NAME**  
Niagara Parks Commission

**PROJECT NAME**  
WEGO Garage Addition-Phase 1

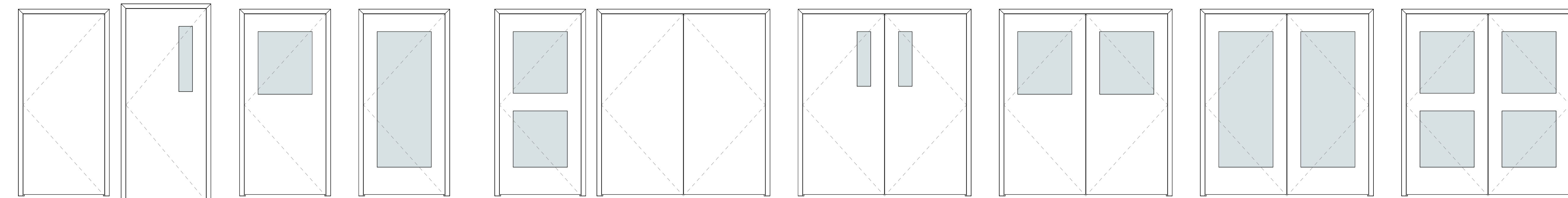
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7805 Niagara River Pkwy, Niagara Falls, ON

**SHEET NAME**  
Enlarged Section Details

**DRAWN BY:** MBK  
**DATE:** 15/01/2025 1:32:46 PM  
**SCALE:** 1:5  
**PROJECT NO.:** 24-006  
**CHECKED:** ---

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**SHEET #**  
**A5-300**  
**REV #**



door type | F

door type | VP

door type | GP

door type | FG

door type | FG2

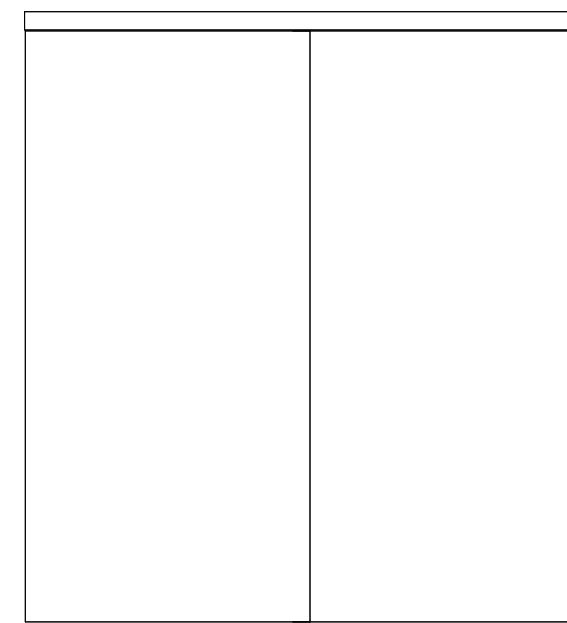
door type | DF

door type | DVP

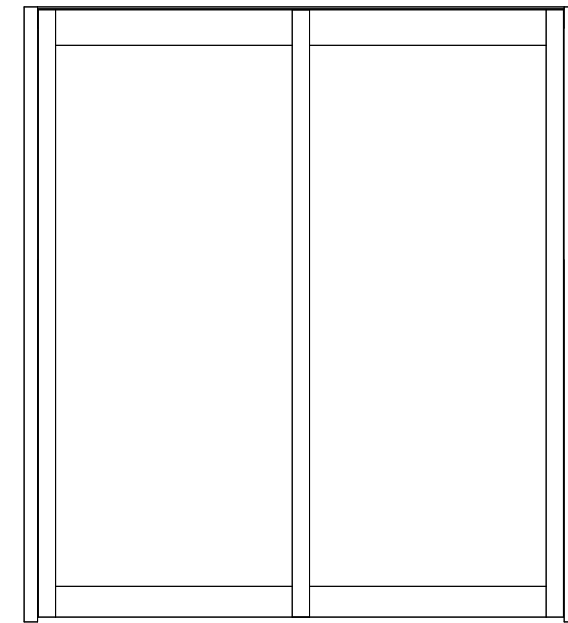
door type | DGP

door type | DFG

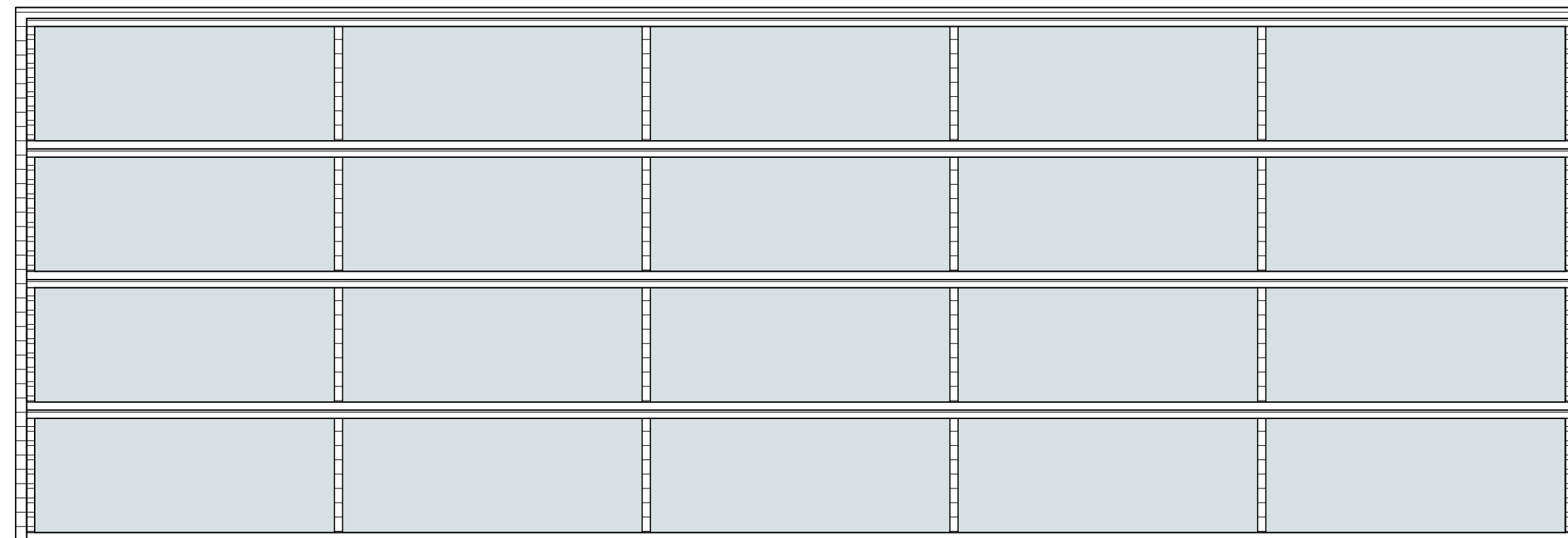
door type | DFG2



door type | DFS

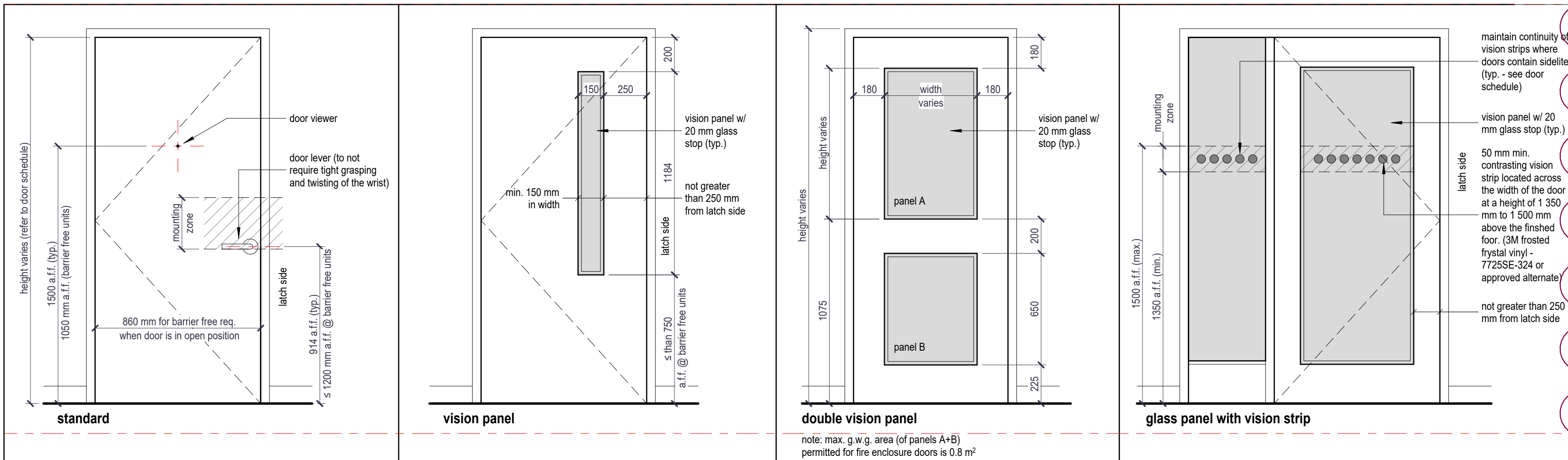


door type | DFGS



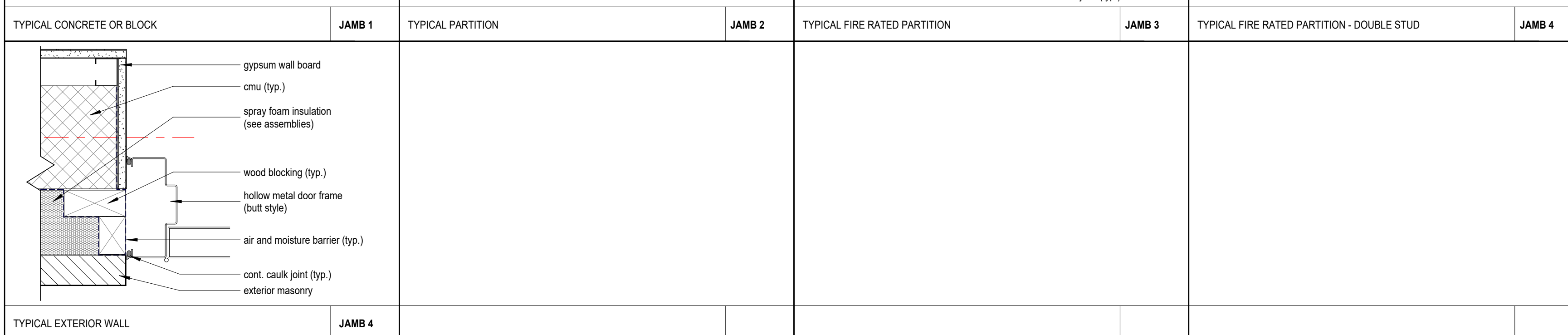
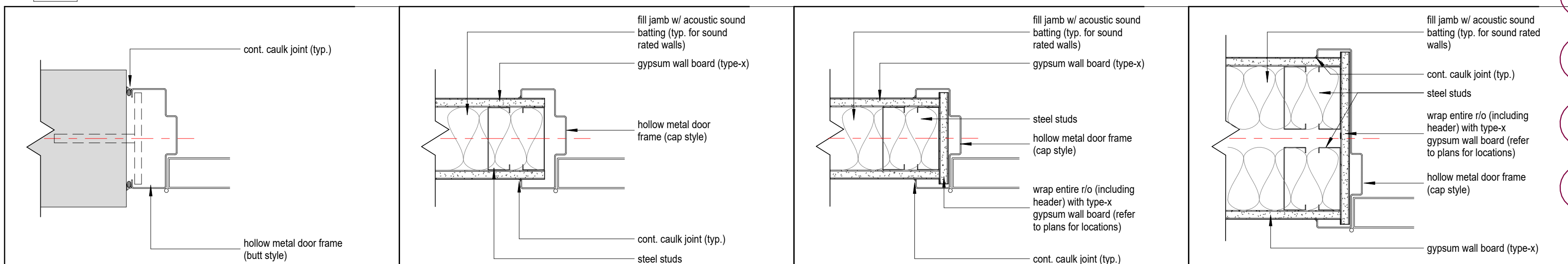
door type | OHDG

Door Type Legend



NOTE: DETAILS AS PER O.B.C. 3.3.1.12 & 3.8.3.3

1 TYP. DOOR & BARRIER FREE DOOR ELEVATION DETAILS  
 A7-100 1 : 20



TYP. DOOR JAMB AND HEADER DETAILS

Door Schedule (By Mark)																
Mark	Unit Sizes		Unit Information				Fire Rating	Hardware					Comments			
	Width	Height	Door Type	Material	Finish	Frame Material		Finish	Glazing	Time	Closer	Lock Set		Passage Set	Privacy Set	Power Operator
D-001	900	2150	F	HM	Painted	Hollow Metal	Painted	n/a	45 Min							Sprinkler Room
D-002	965	2150	F	HM	Painted	Hollow Metal	Painted	n/a	45 Min							Universal Washroom
D-003	965	2150	FG2	HM	Painted	Hollow Metal	Painted	6mm Tempered								Barrier Free Office
D-006	900	2150	VP	HM	Painted	Hollow Metal	Painted	n/a								Storage
D-007	965	2150	F	HM	Painted	Hollow Metal	Painted	n/a								Barrier Free Washroom
D-009	1830	2032	DVP	HM	Painted	Hollow Metal	Painted	n/a	45 Min							Mech. Room
D-010	965	2150	FG2	HM	Painted	Hollow Metal	Painted	n/a								Storage
D-011	1830	2032	DVP	HM	Painted	Hollow Metal	Painted	6mm Tempered	45 Min							Corridor to Storage
EX-D01	965	2150	VP	HM	Painted	Ins. Hollow Metal	Painted	n/a								Exit Door Bay 1
EX-D02	965	2150	VP	HM	Painted	Ins. Hollow Metal	Painted	n/a								Exit Door Stair A
EX-D03	965	2150	VP	HM	Painted	Ins. Hollow Metal	Painted	n/a								Exit Door Sprinkler Room
EX-D04	965	2150	VP	HM	Painted	Ins. Hollow Metal	Painted	n/a								Exit Door Bay 3
EX-D05	1830	2032	DFG	n/a	Painted			13mm Insulated								@ Bay 1 Bus Repair Garage
OHD1	4270	4267	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ Bay 1 Bus Repair Garage
OHD1	4270	4267	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ Bay 3 Mower Garage
OHD1	4270	4267	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ Bay 3 Mower Garage
OHD2	4270	4877	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ Bay 2 Repair Garage
OHD2	4270	4877	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ Bay 2 Repair Garage
OHD2	4270	4877	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ Bay 2 Repair Garage
OHD2	4270	4877	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ Bay 2 Repair Garage
OHD3	2438	2438	OHDG	n/a		Ins. Hollow Metal	Anodized	13mm Insulated								@ New Storage
OP-1	4017	2150	n/a	n/a												New Garage Openings
OP-2	1900	2150	n/a	n/a												New Garage Openings
SCD1	965	2140	FG	Glass	Painted	Alum.	Anodized	6mm Tempered								Interior Screens @ Offices
SCD2	965	2140	FG	Glass	Painted	Alum.	Anodized	6mm Tempered								Interior Screens @ Offices
ST-01	965	2150	F	HM	Painted	Hollow Metal	Painted	n/a	45 Min							Stair Well Doors
ST-02	965	2150	F	HM	Painted	Hollow Metal	Painted	n/a	45 Min							Stair Well Doors
ST-03	965	2150	F	HM	Painted	Hollow Metal	Painted	n/a	45 Min							Stair Well Doors



CLIENT NAME

Niagara Parks Commission

PROJECT NAME

WEGO Garage Addition-Phase 1

PROJECT ADDRESS

7805 Niagara River Pkwy, Niagara Falls, ON

SHEET NAME

Door + Frame Schedules

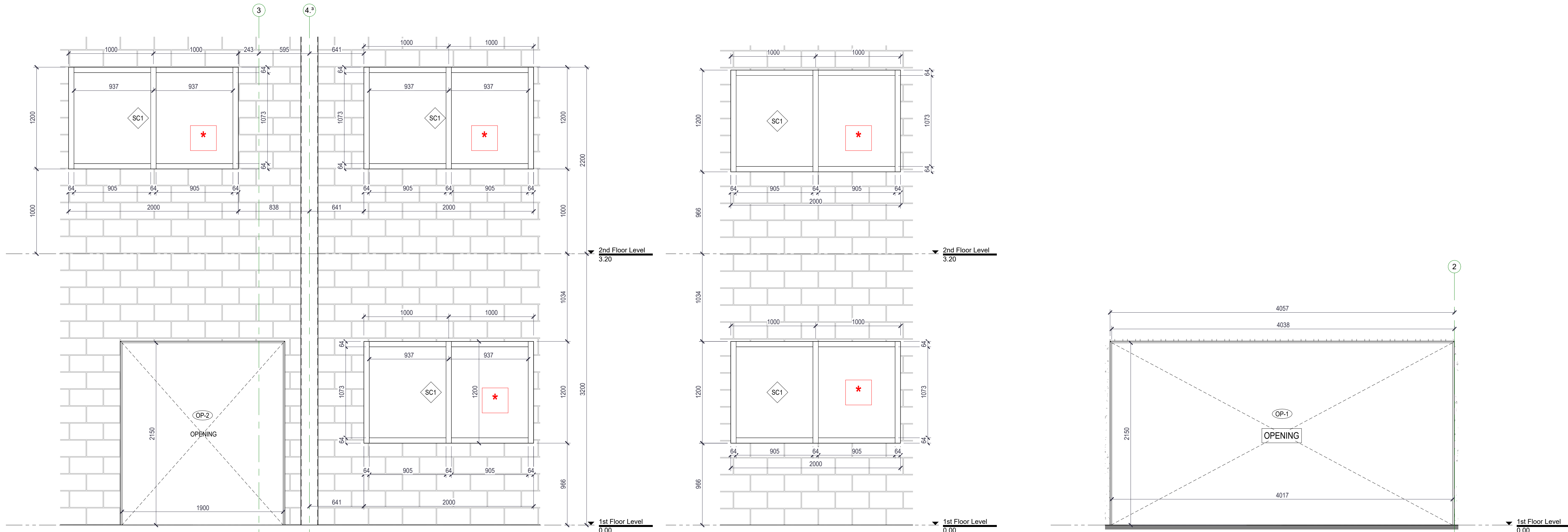
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A7-100

REV. #



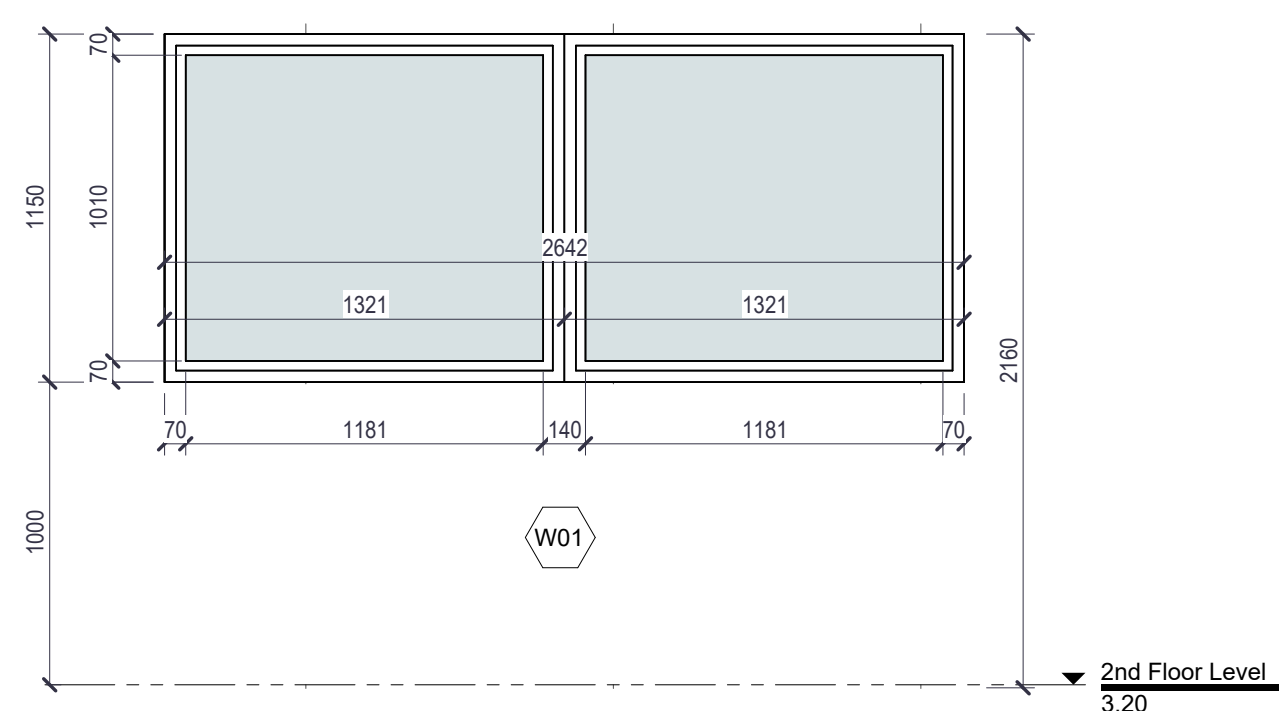
Interior Screen Elevation @ Repair Garage Bay

Interior Screen Elevation @ Mower Garage Bay

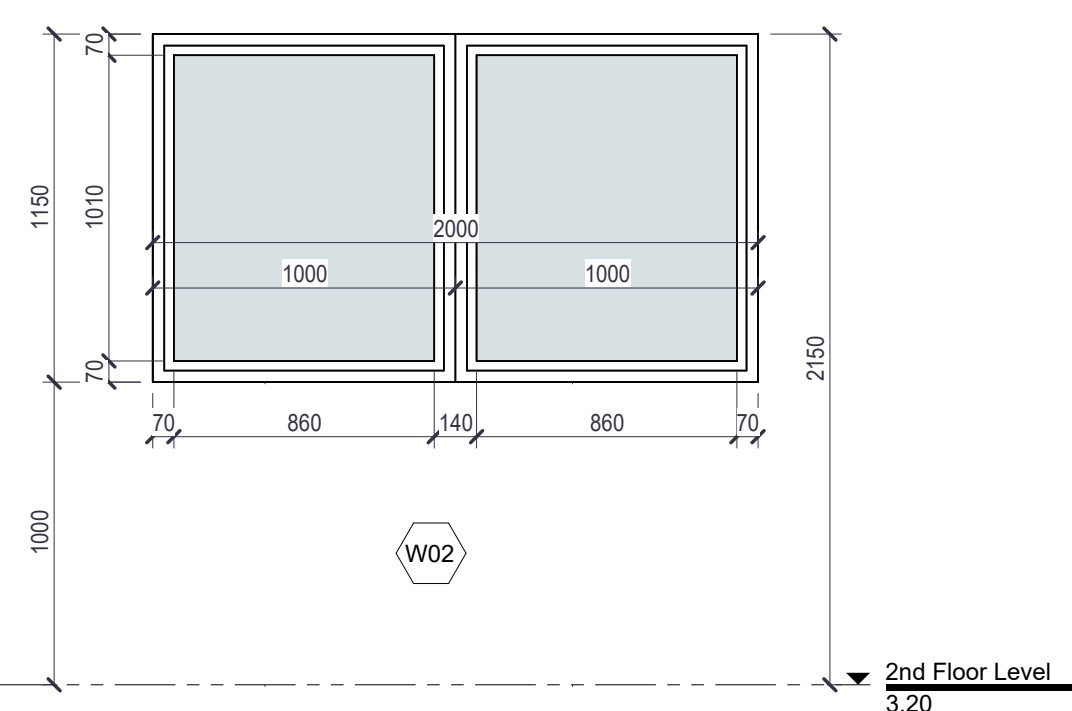
Interior Opening @ Existing Precast Wall

\* = FIRELITE FIRE RATED GLASS, MIN. 60 MINS.  
GC TO COORDINATE SHOP DRAWINGS  
FOR REVIEW AND COORDINATION.

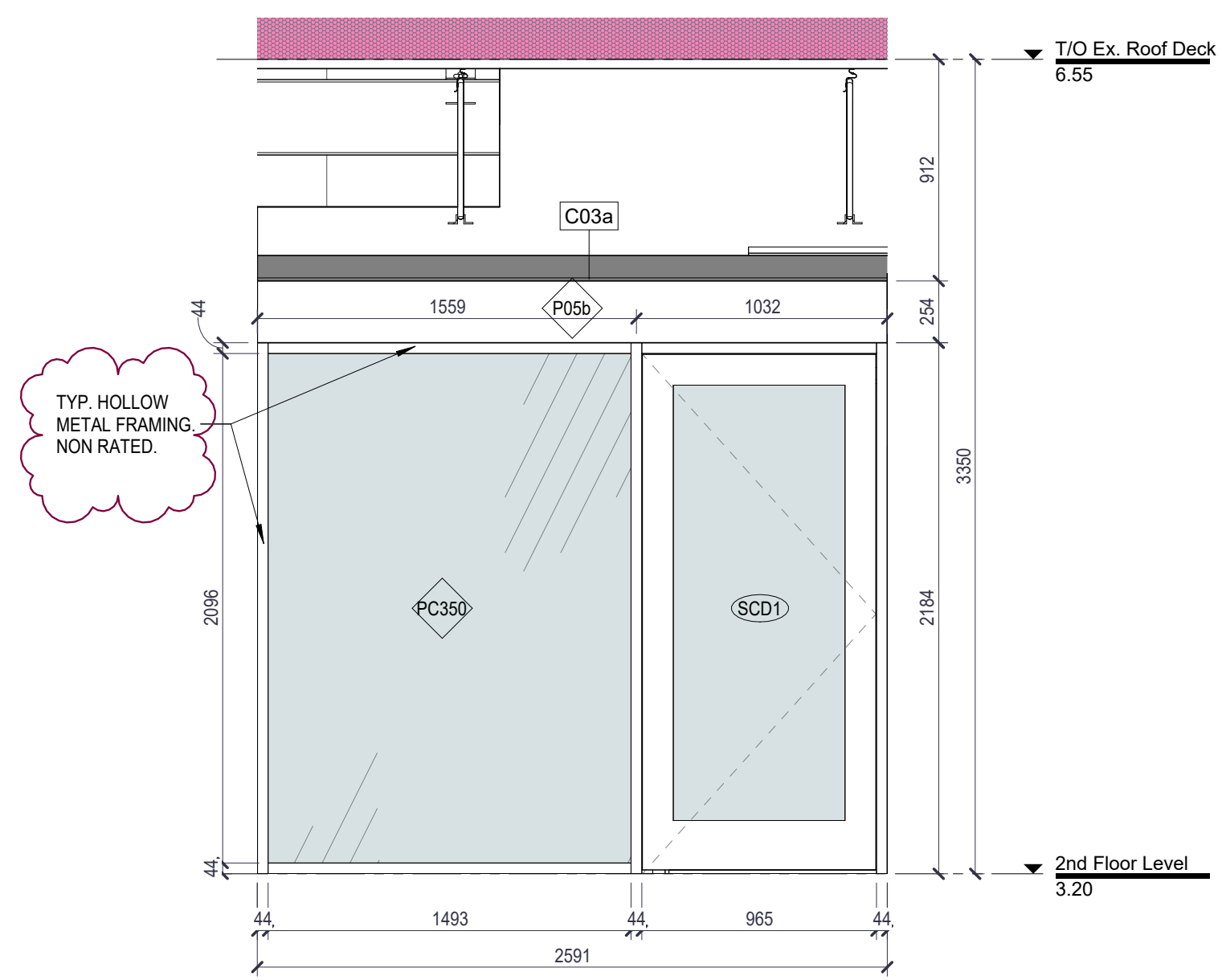
Window Schedule (By Type Mark)						
Type Mark	Count	Width	Height	Frame Material	Comments	Thermal Resistance (R)
W01	1	2642	1150	Alum.	Low-E Coding Glazing	0.5032 (m²·K)/W
W02	1	2000	1150	Alum.	Low-E Coding Glazing	0.5032 (m²·K)/W
L02	1	1422	1346		Low-E Coding Glazing	0.5032 (m²·K)/W
L01	1	610	610			
L01	1	610	610			
L01	1	610	610			



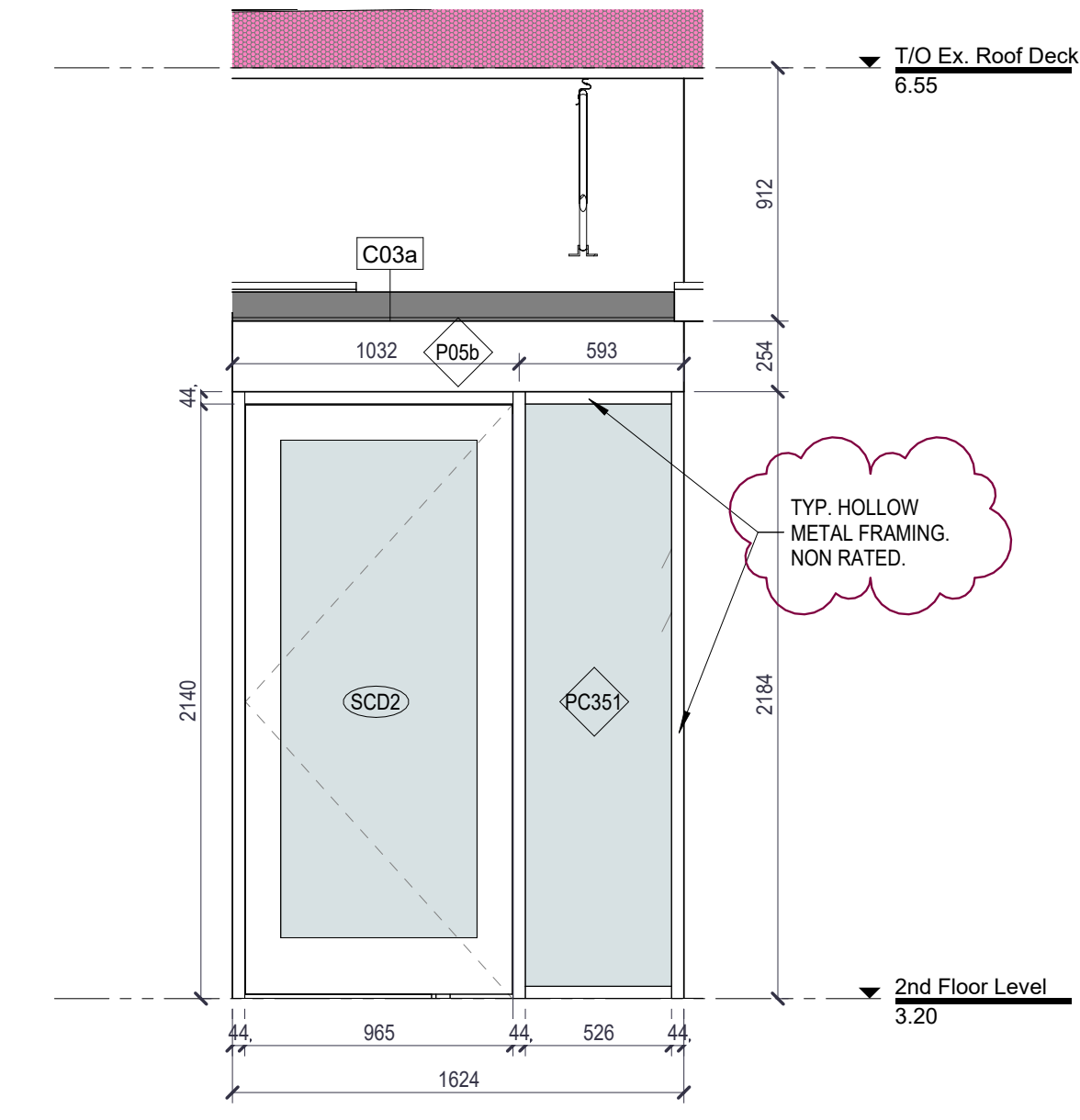
Elevation - W01 - Window



Elevation - W02 - Window



Interior Screen @ Office B



Interior Screen @ Office A

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3 - Jan 10, 2025  
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W | www.raimondosarchitects.com  
E | mail@raimondosarchitects.com

CLIENT NAME  
Niagara Parks Commission

PROJECT NAME  
WEGO Garage Addition-  
Phase 1

PROJECT ADDRESS  
7805 Niagara River Pkwy, Niagara Falls, ON

SHEET NAME  
Windows & Interior  
Screens Schedule

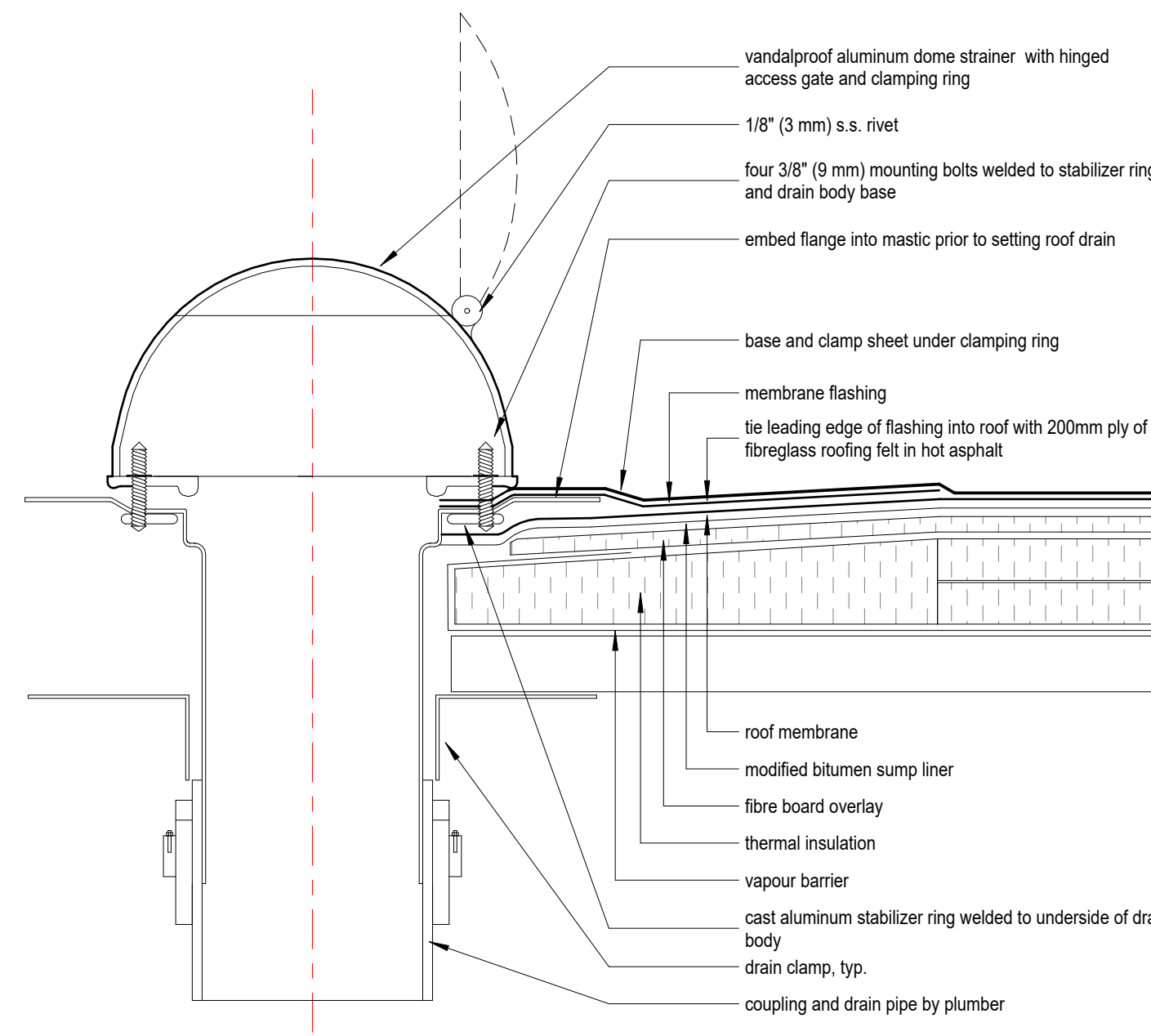
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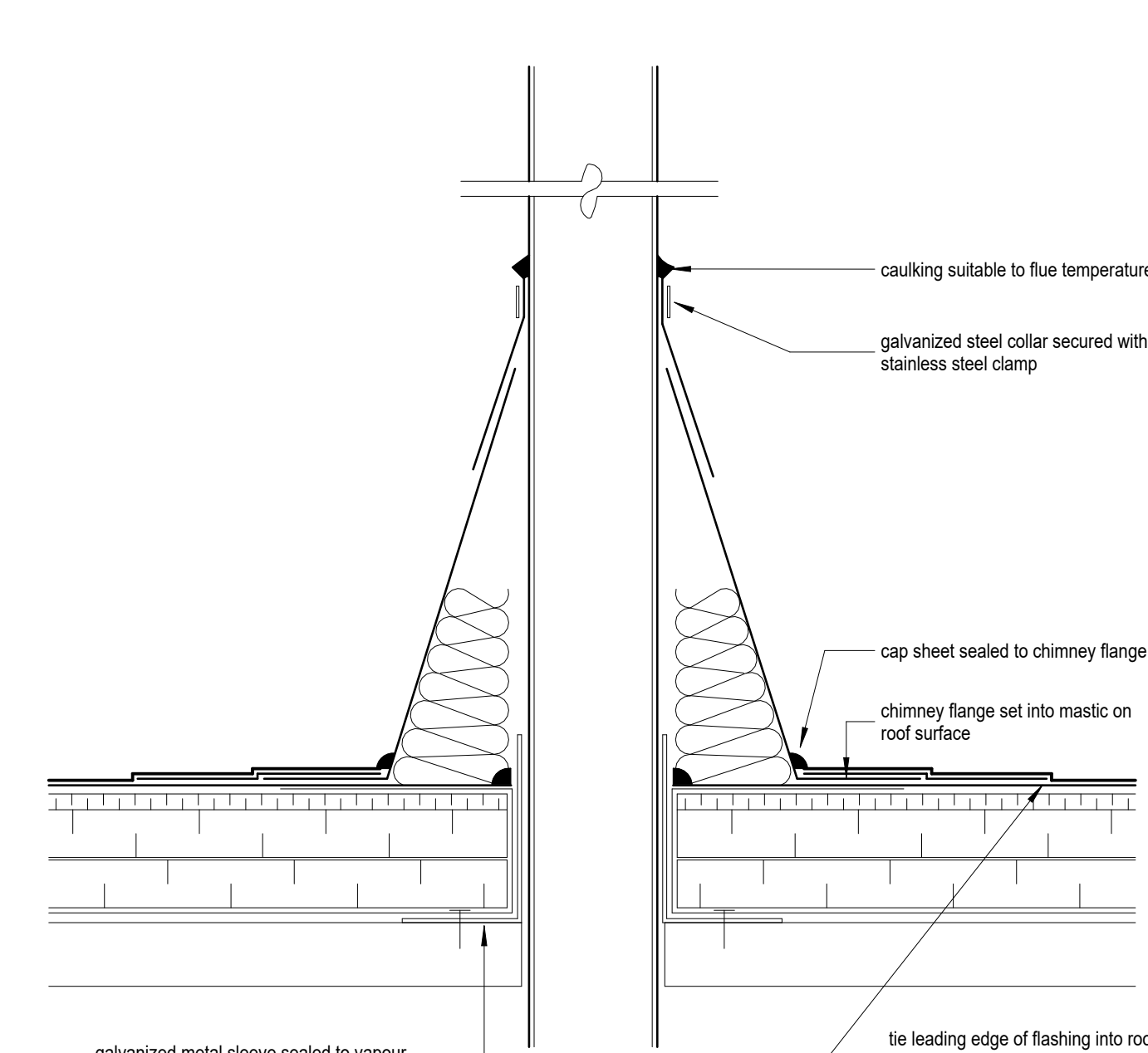
A7-300

REV #



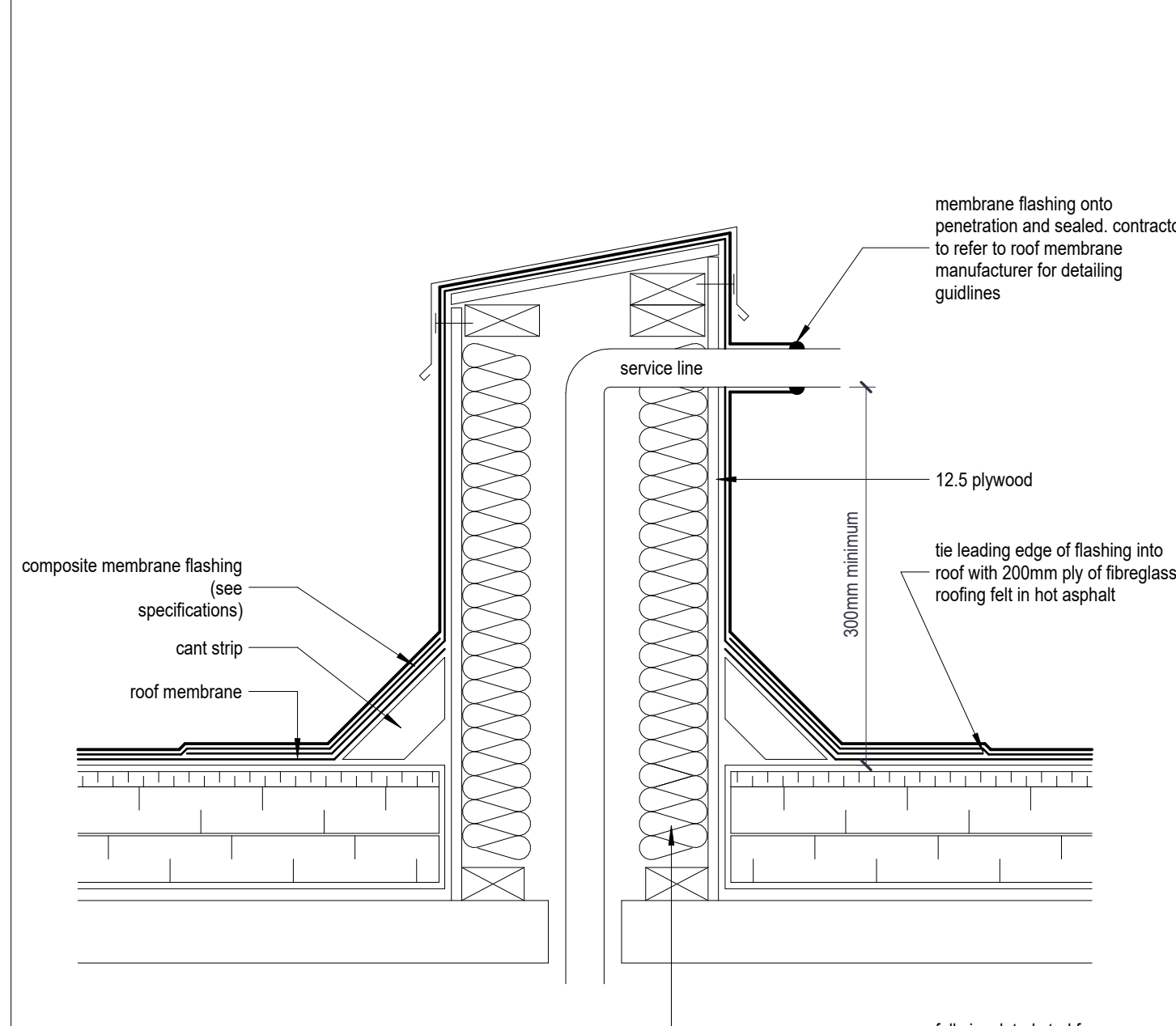
- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck
- detail notes:**
1. roof drain to be 'thaler rd-4 cast aluminum' tamper proof drain unless specified otherwise. refer to mechanical specifications for drain type and size to accommodate flow rate.

**1 TYP. ROOF DRAIN DETAIL**  
scale: 1 : 5



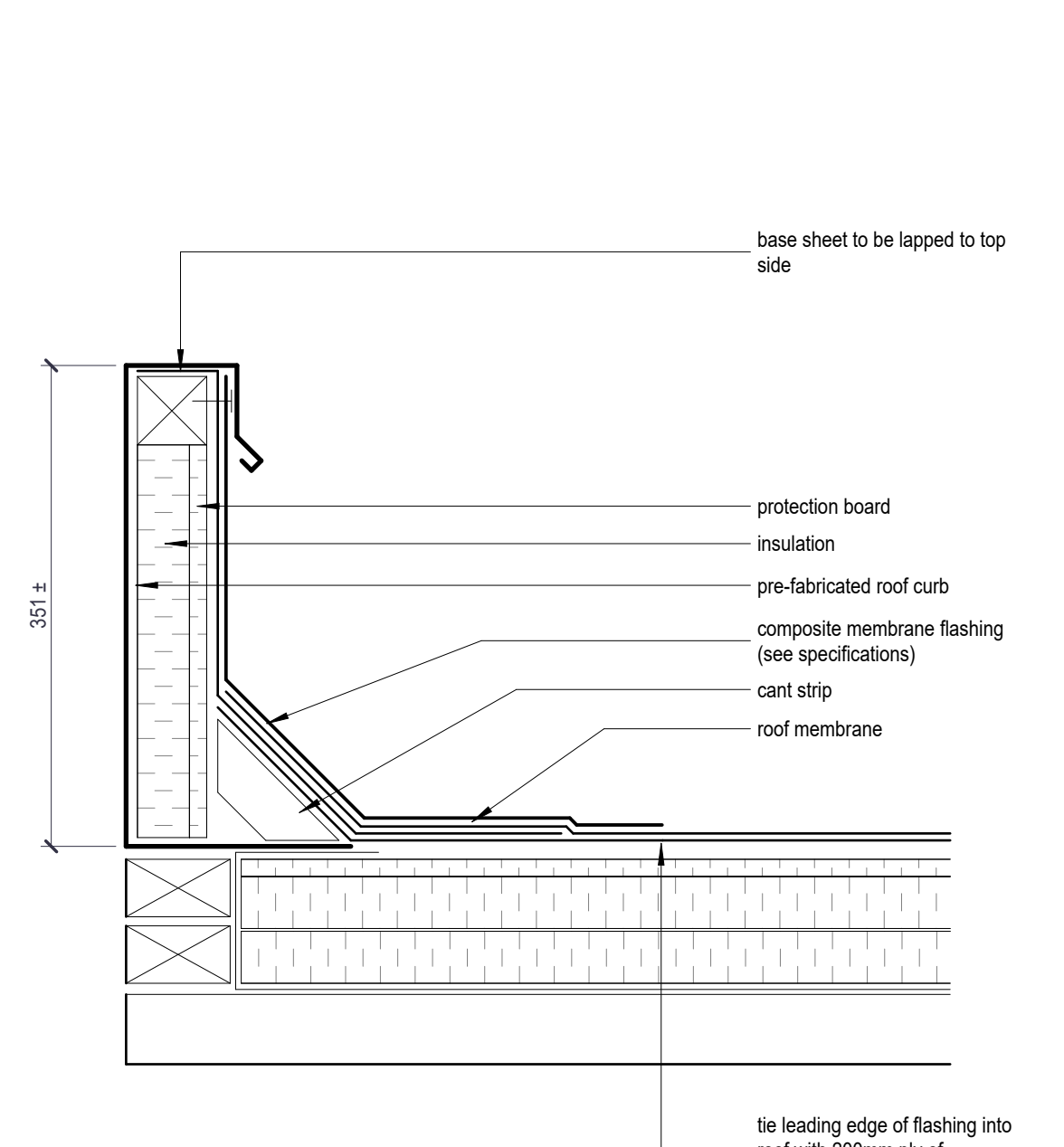
- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck

**2 TYP. CHIMNEY STACK**  
scale: 1 : 5



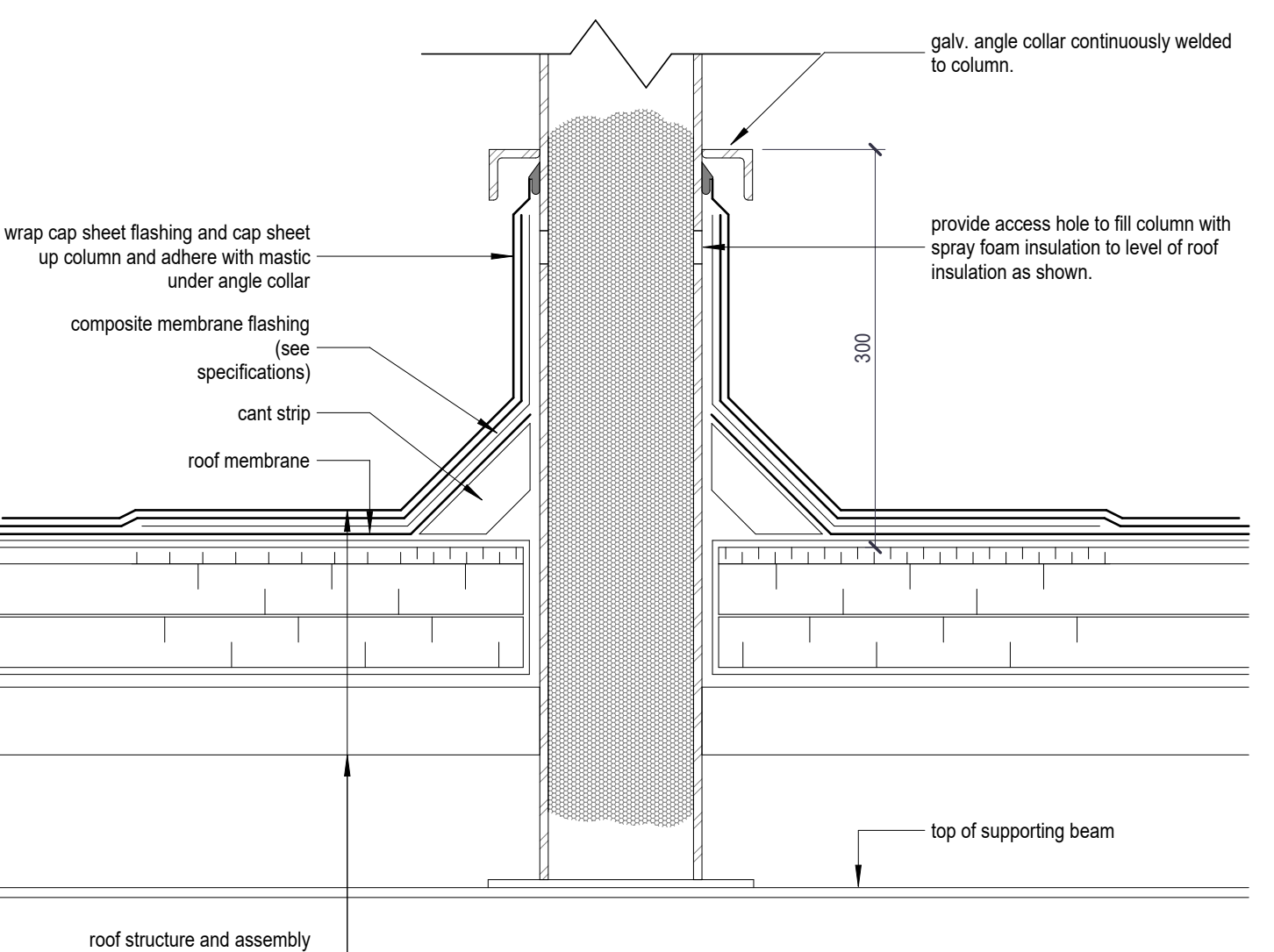
- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck

**3 TYP. SERVICE PENETRATION**  
scale: 1 : 5



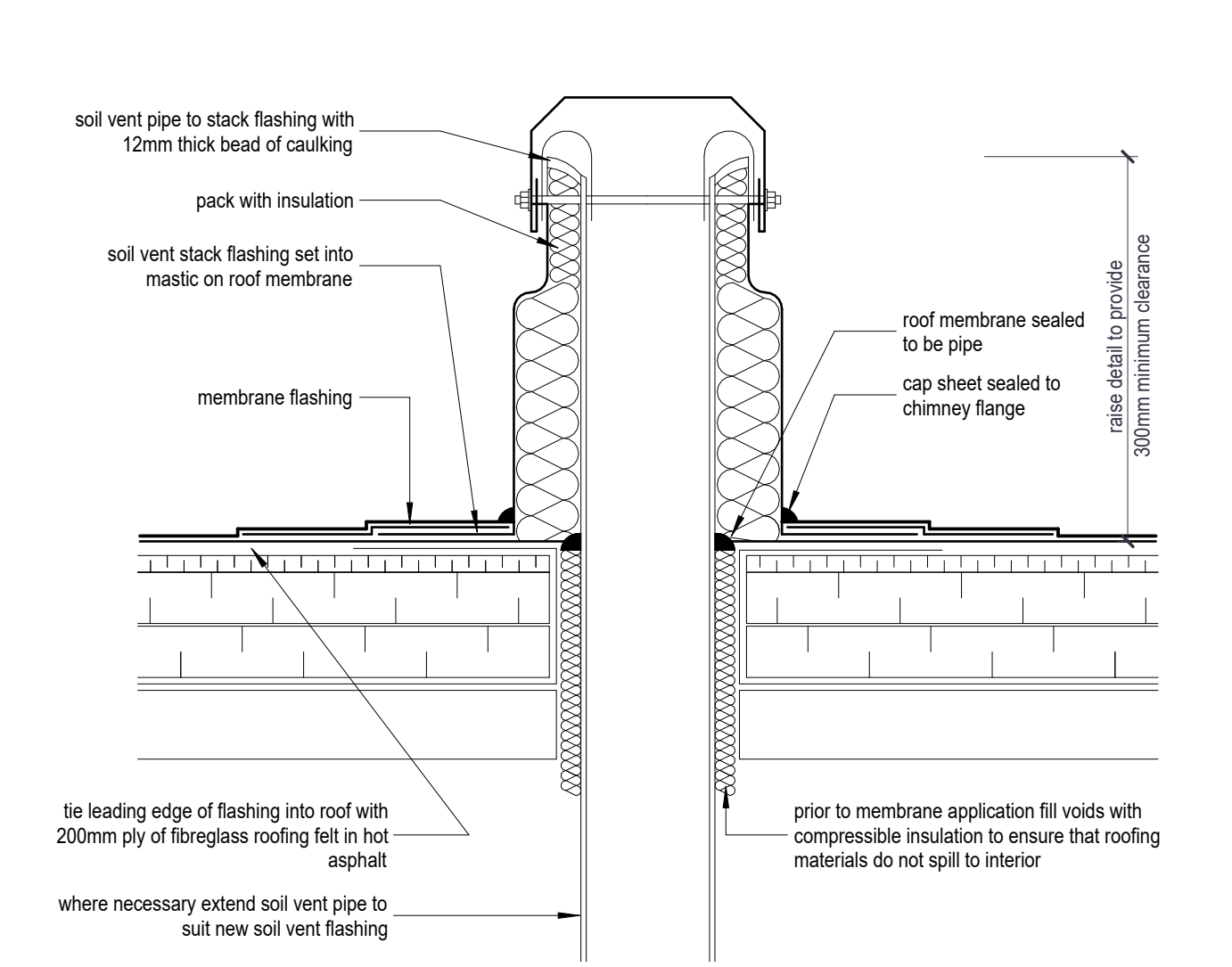
- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck

**4 TYP. ROOF CURB DETAIL**  
scale: 1 : 5



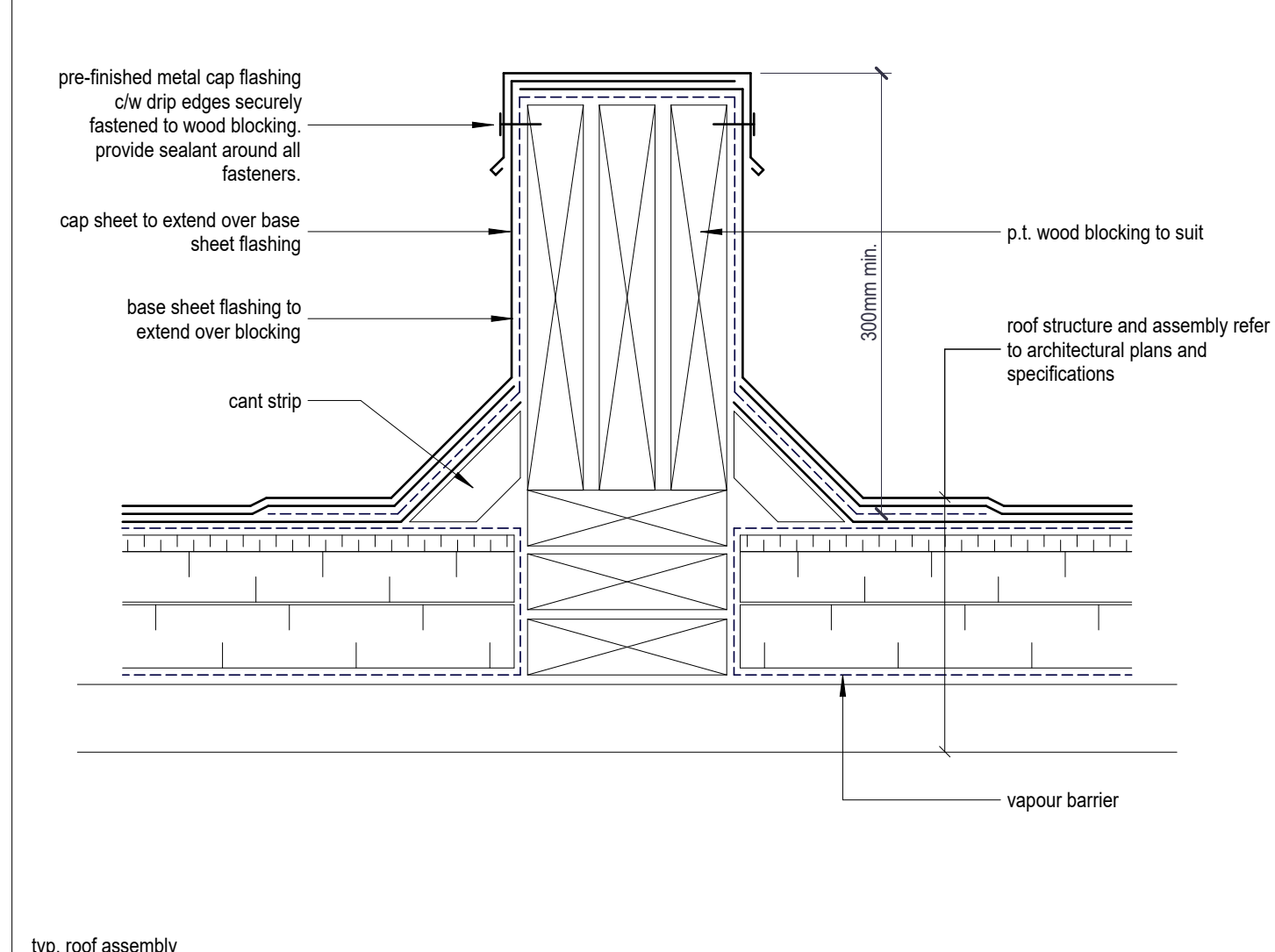
- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck

**5 TYP. COLUMN EXTENSION THROUGH ROOF**  
scale: 1 : 5



- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck

**6 TYP. SOIL STACK**  
scale: 1 : 5



- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck

**7 TYP. ROOF AREA DIVIDER DETAIL**  
scale: 1 : 5



- typ. roof assembly**
- roof membranes
  - fibre board overlay
  - (tapered insulation where shown on roof plan)
  - thermal insulation (2 layers staggered)
  - vapour barrier
  - roof deck

**10 TYP. GAS LINE SUPPORT DETAIL**  
scale: 1 : 2

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E | mail@raimondoaarchitects.com

CLIENT NAME  
**Niagara Parks Commission**

PROJECT NAME  
**WEGO Garage Addition-Phase 1**

PROJECT ADDRESS  
**7805 Niagara River Pkwy, Niagara Falls, ON**

SHEET NAME  
**Typical Roof Details**

DRAWN BY: **Author**

DATE: **15/01/2025 1:32:52 PM**

SCALE: **As indicated**

PROJECT NO.: **24-006**

CHECKED: **Checker**

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SHEET #  
**A9-200**

REV. #

**Structural Addendum No. 1**  
**Niagara Parks Commission – WEGO Garage Addition**  
**Niagara Falls, Ontario**

The following items shall apply to and govern the tender documents.

**1.0 Refer to Specification 03 30 00 – Cast in Place Concrete**

a) Refer to Section 2.1 Materials. In that section revise item 2.1.6 following:

**6. Spray-Applied Curing and Sealing Compounds:**

- .1 For all interior floors curing and sealing compound to be Liqui-hard concrete densifier and chemical hardener by W.R. Meadows or approved equivalent. Curing and sealing compounds are to be non-yellowing. All curing compounds to be low VOC materials. Verify compatibility with flooring adhesives where applicable**

**1.1 Refer to attached Structural Drawing S1.1 – 2<sup>nd</sup> Floor Framing Plan**

- b) Refer to the clouded area at the north end of the interior mezzanine for the revised location of lintel 'L1' and the addition of a new lintel 'L2'.
- c) Refer to the Grid '6<sup>3</sup>' and 'A<sup>3</sup>' for the new section '43' for the bracing of the bottom flange of the W200 beam. Refer to attached drawing S4.4 for the new section '43'.

**1.2 Refer to attached Structural Drawing S3.2 - Elevations**

- a) Refer to Elevation 'DD'. Between Grids 'A3' and 'C3' additional vertical and horizontal girts have been added below the 2<sup>nd</sup> floor framing as indicated.

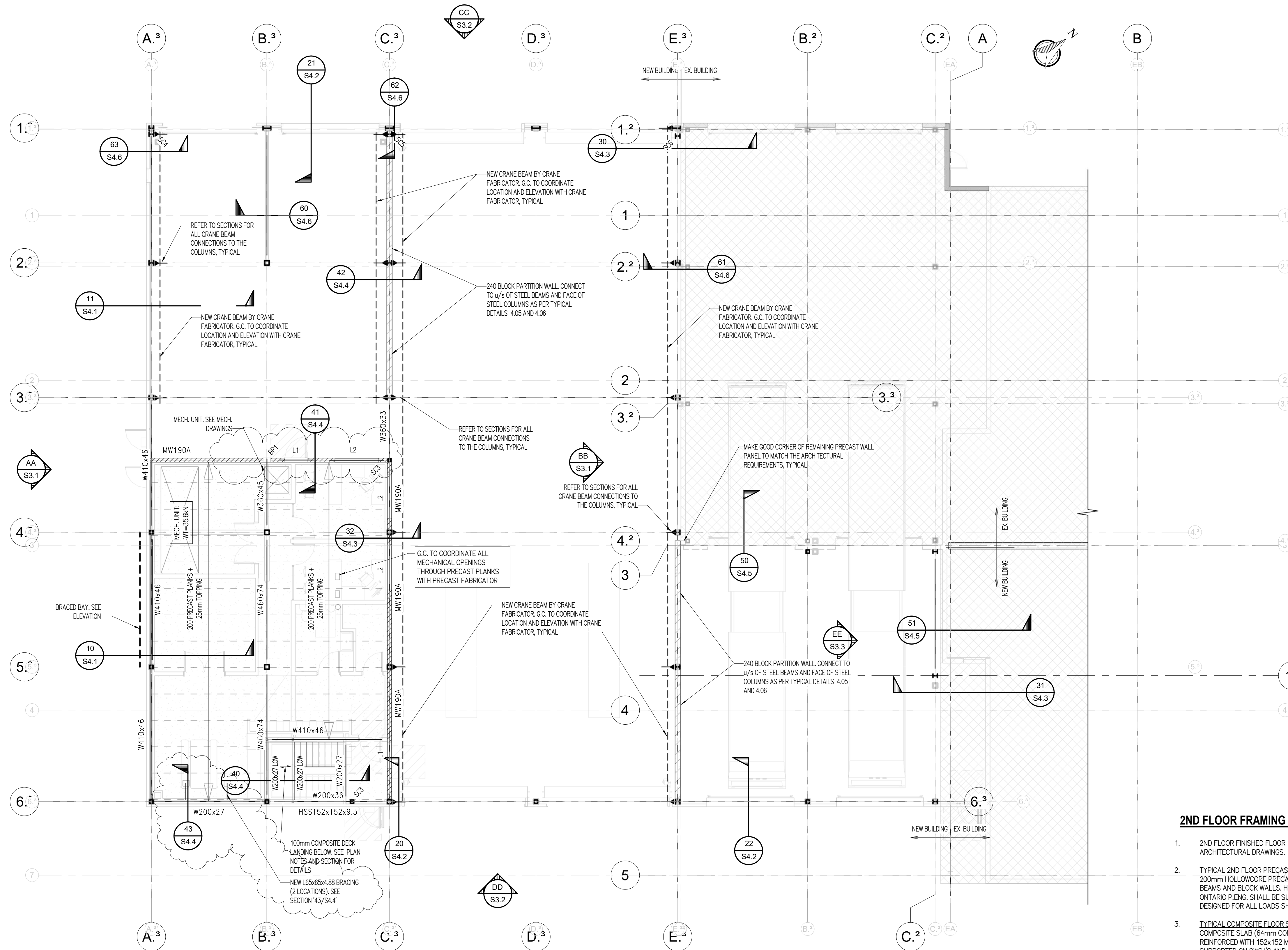
**1.3 Refer to attached Structural Drawing S4.4 - Sections**

- a) Refer to new clouded Section '43' for the new bracing along Grid '6<sup>3</sup>'.

**Attachments:**

**Drawings: S1.1, S3.2, S4.4**

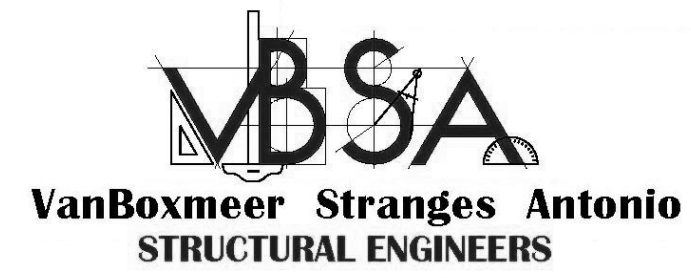
**End of Structural Addendum**



**2ND FLOOR FRAMING PLAN NOTES**

- 2ND FLOOR FINISHED FLOOR ELEVATION IS AT +3200 (178.540m GEODETIC). CONFIRM WITH ARCHITECTURAL DRAWINGS.
- TYPICAL 2ND FLOOR PRECAST FLOOR CONSTRUCTION U.N.O. ON PLAN: 25mm TOPPING ON 200mm HOLLOWCORE PRECAST PLANKS (SEE PLAN FOR LOCATIONS) SUPPORTED ON STEEL BEAMS AND BLOCK WALLS. HOLLOW CORE PLANK SHOP DRAWINGS BEARING THE SEAL OF AN ONTARIO P.ENG. SHALL BE SUBMITTED TO THE STRUCTURAL CONSULTANT. PLANKS TO BE DESIGNED FOR ALL LOADS SHOWN ON PLAN AND IN SCHEDULES.
- TYPICAL COMPOSITE FLOOR STAIR LANDING CONSTRUCTION U.N.O. ON PLAN: 102mm COMPOSITE SLAB (64mm CONCRETE ON 38mm METAL COMPOSITE DECK, 0.76mm MIN.) REINFORCED WITH 152x152 MW18.7xMW18.7 WELDED WIRE FABRIC. COMPOSITE DECK IS SUPPORTED ON OWS/S'S AND STEEL BEAMS.
- SEE ARCHITECTURAL DRAWINGS FOR COLUMN OFFSETS FROM GRID LINES.
- STEEL DECK SPAN DIRECTION IS INDICATED WITH ARROWS AS THUS ON PLAN.
- TOP OF STEEL BEAMS ARE AT UNDERSIDE OF FLOOR DECK UNLESS NOTED ON PLANS THUS BELOW UNDERSIDE OF DECK. TOP OF STEEL ELEVATIONS FROM UNDERSIDE OF DECK ARE BASED ON AN ASSUMED JOIST SHOE DEPTH OF 102mm UNLESS NOTED OTHERWISE ON PLAN.
- BEAMS DENOTED WITH ARE TO BE CONNECTED FOR FULL MOMENT AND SHEAR CAPACITY OF BEAM UNLESS NOTED OTHERWISE.
- DESIGN THE PRECAST FLOOR PLANKS, INCLUDING THEIR CONNECTION TO SUPPORTING ELEMENTS FOR AN FACTORED DIAPHRAGM SHEAR FORCE OF 100 kN/m.
- TIE JOISTS ARE INDICATED ON PLANS AS "TJ" ON PLAN. EXTEND BOTH TOP AND BOTTOM CHORD MEMBERS AND CONNECT THEM TO COLUMN, BEAM, OR WALL.
- NOT ALL FLOOR OPENINGS HAVE BEEN SHOWN ON PLAN. STEEL FABRICATOR TO COORDINATE FINAL SIZE AND LOCATION OF FLOOR OPENINGS WITH MECHANICAL DRAWINGS AND GENERAL CONTRACTOR PRIOR TO FABRICATION. SEE TYPICAL DETAILS FOR REQUIRED FRAMING AROUND FLOOR OPENINGS. GENERAL CONTRACTOR TO COORDINATE PROVIDING LIGHT GAUGE STEEL CLOSURE SCREEDS WHERE STEEL ANGLES NOT PROVIDED - SEE TYPICAL DETAIL 5.08

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Niagara Parks Commission  
**WEGO Garage Addition**

7805 Niagara River Pkwy, Niagara Falls, ON

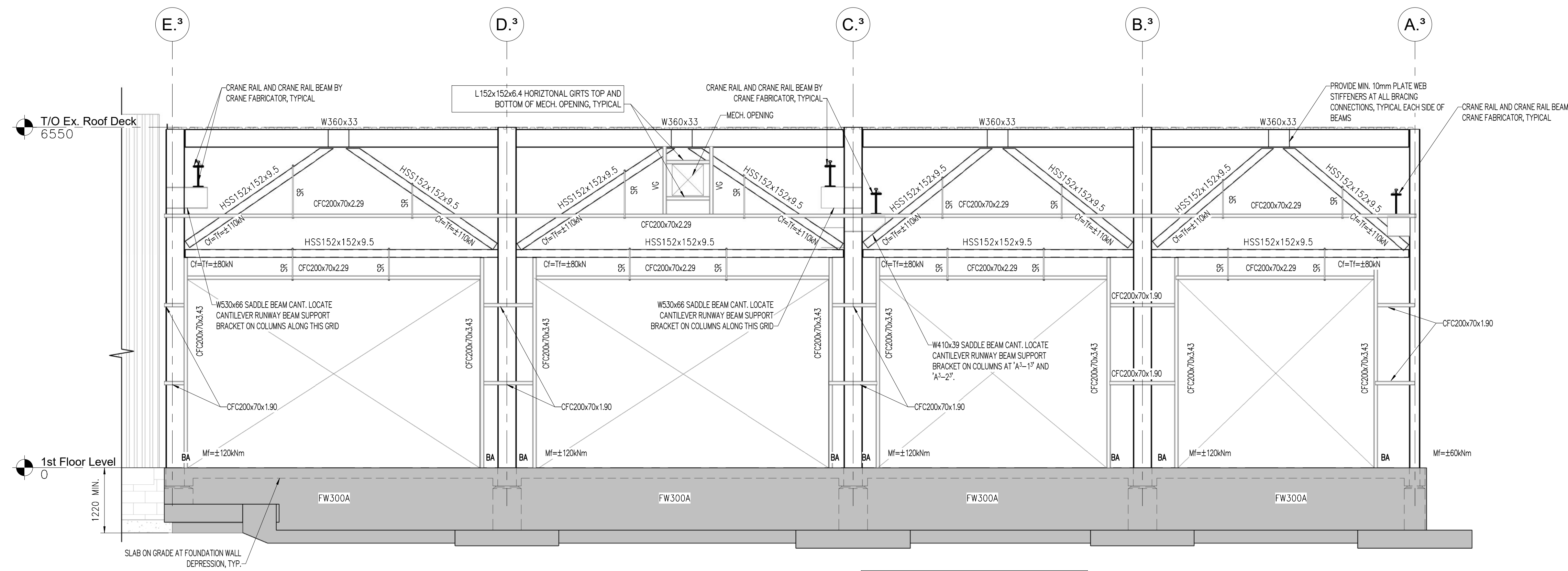
**2ND FLOOR FRAMING PLAN**

DRAWN BY:	MG
DATE:	2025-01-08 9:54:36 AM
SCALE:	As indicated
PROJECT NO.:	24175
CHECKED:	BCS

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**S1.1**

REV. #

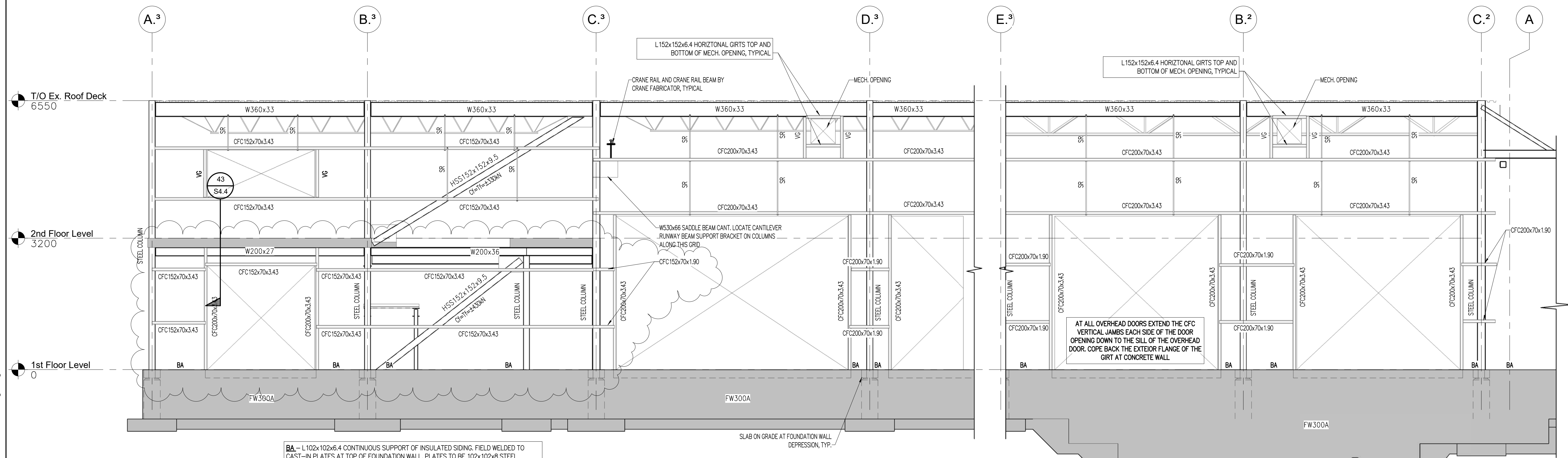


**BA** - L102x102x6.4 CONTINUOUS SUPPORT OF INSULATED SIDING. FIELD WELDED TO CAST-IN PLATES AT TOP OF FOUNDATION WALL. PLATES TO BE 102x102x8 STEEL PLATES ANCHORED TO CONCRETE WALL WITH 2-100 NELSON HEADED CONCRETE ANCHORS x 150 LONG SPACED ALONG WALL @ 900 o/c MAX. INSTALL ONE EACH SIDE OF COLUMN AND/OR DOOR OPENING, TYPICAL.

**SG** - 16mmØ SAG RODS. PROVIDE NUTS ON TOP AND BOTTOM OF GIRT. LOCATE SAG ROD IN CENTRE OF GIRT TYPICAL AT 3RD POINT IN GIRT SPAN UNLESS NOTED OTHERWISE.

ELEVATION **CC**  
1 : 50 **S1.0**

AT ALL OVERHEAD DOORS EXTEND THE CFC VERTICAL JAMBS EACH SIDE OF THE DOOR OPENING DOWN TO THE SILL OF THE OVERHEAD DOOR. COPE BACK THE EXTERIOR FLANGE OF THE GIRT AT CONCRETE WALL.



**VC** - CFC200x70x3.43 VERTICAL GIRTS. CONNECT TO TOP OF PRECAST FOUNDATION WALL w/ A STEEL BASEPLATE AND 2-19mmØx150 EMBEDMENT POWERS WEDGE BOLTS, TYPICAL.

**SG** - 16mmØ SAG RODS. PROVIDE NUTS ON TOP AND BOTTOM OF GIRT. LOCATE SAG ROD IN CENTRE OF GIRT TYPICAL AT 3RD POINT IN GIRT SPAN UNLESS NOTED OTHERWISE.

ELEVATION **DD**  
1 : 50 **S1.0**

AT ALL OVERHEAD DOORS EXTEND THE CFC VERTICAL JAMBS EACH SIDE OF THE DOOR OPENING DOWN TO THE SILL OF THE OVERHEAD DOOR. COPE BACK THE EXTERIOR FLANGE OF THE GIRT AT CONCRETE WALL.

EXISTING SANITARY LINE @ 10'-8" BELOW EXISTING FINISHED GRADE. SITE CONFIRM EXACT LOCATION PRIOR TO PLACEMENT OF FOOTINGS.

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**ELEVATIONS**

DRAWN BY: **VR**  
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SCALE: **1 : 50**  
PROJECT NO.: **24175**  
CHECKED: **BCS**

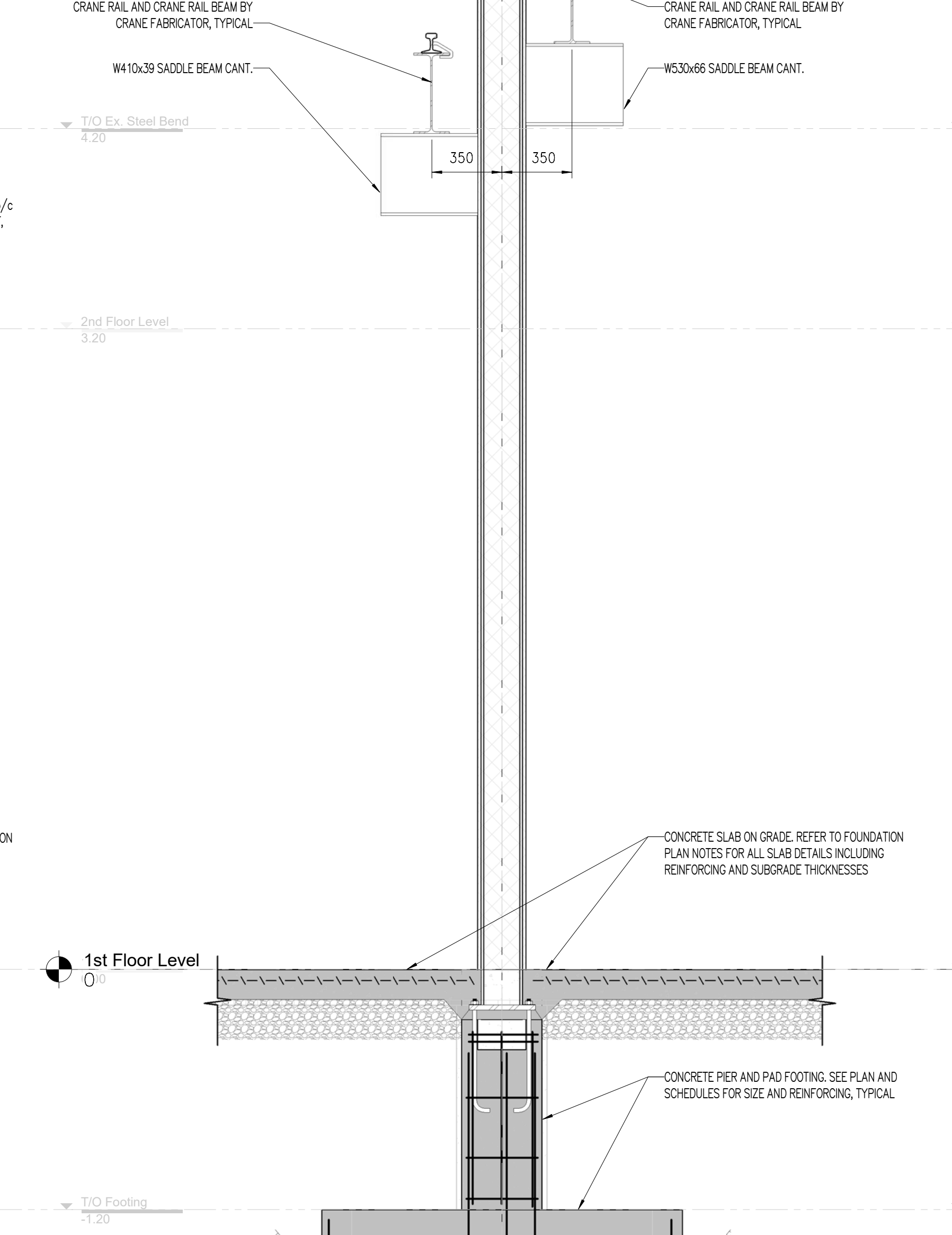
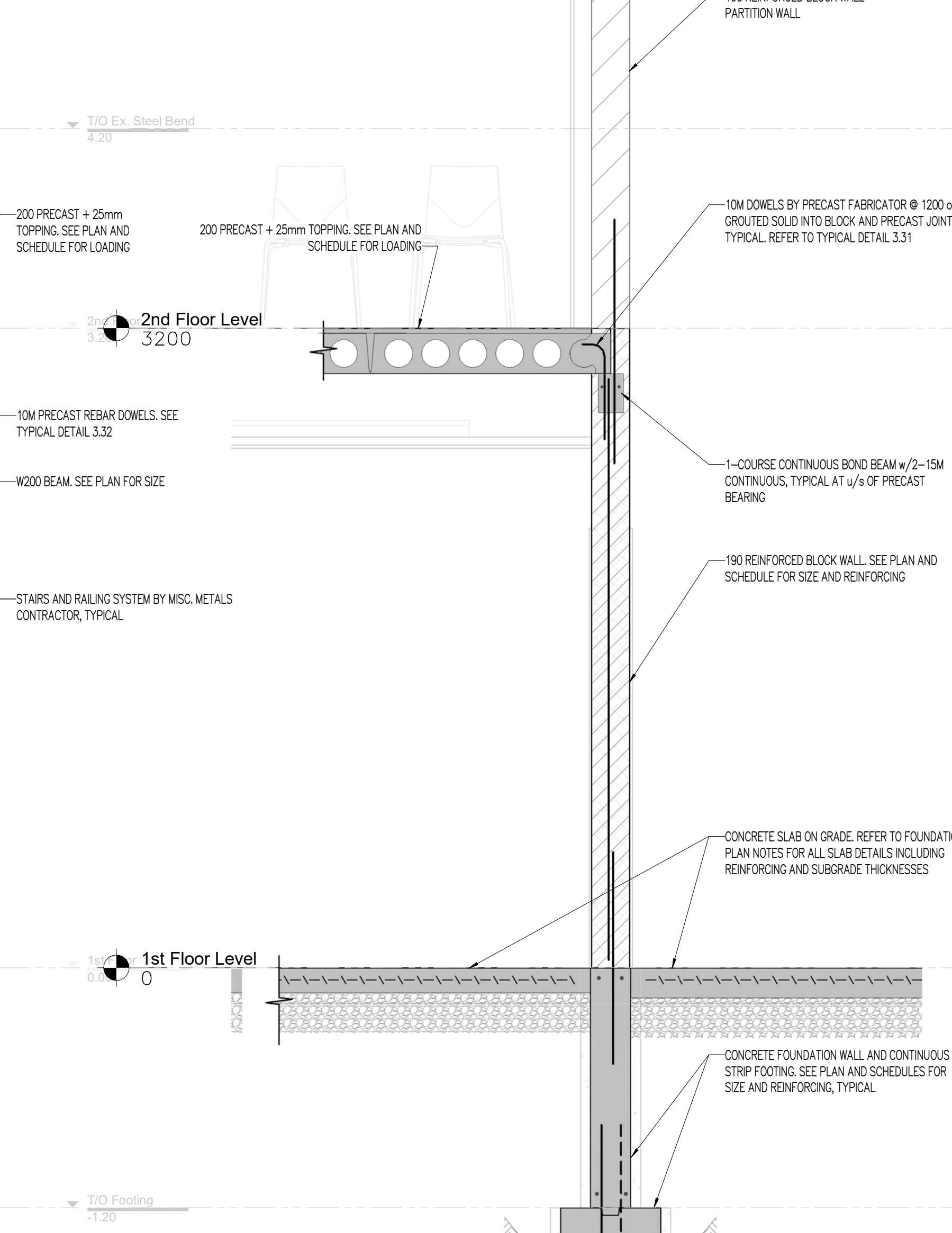
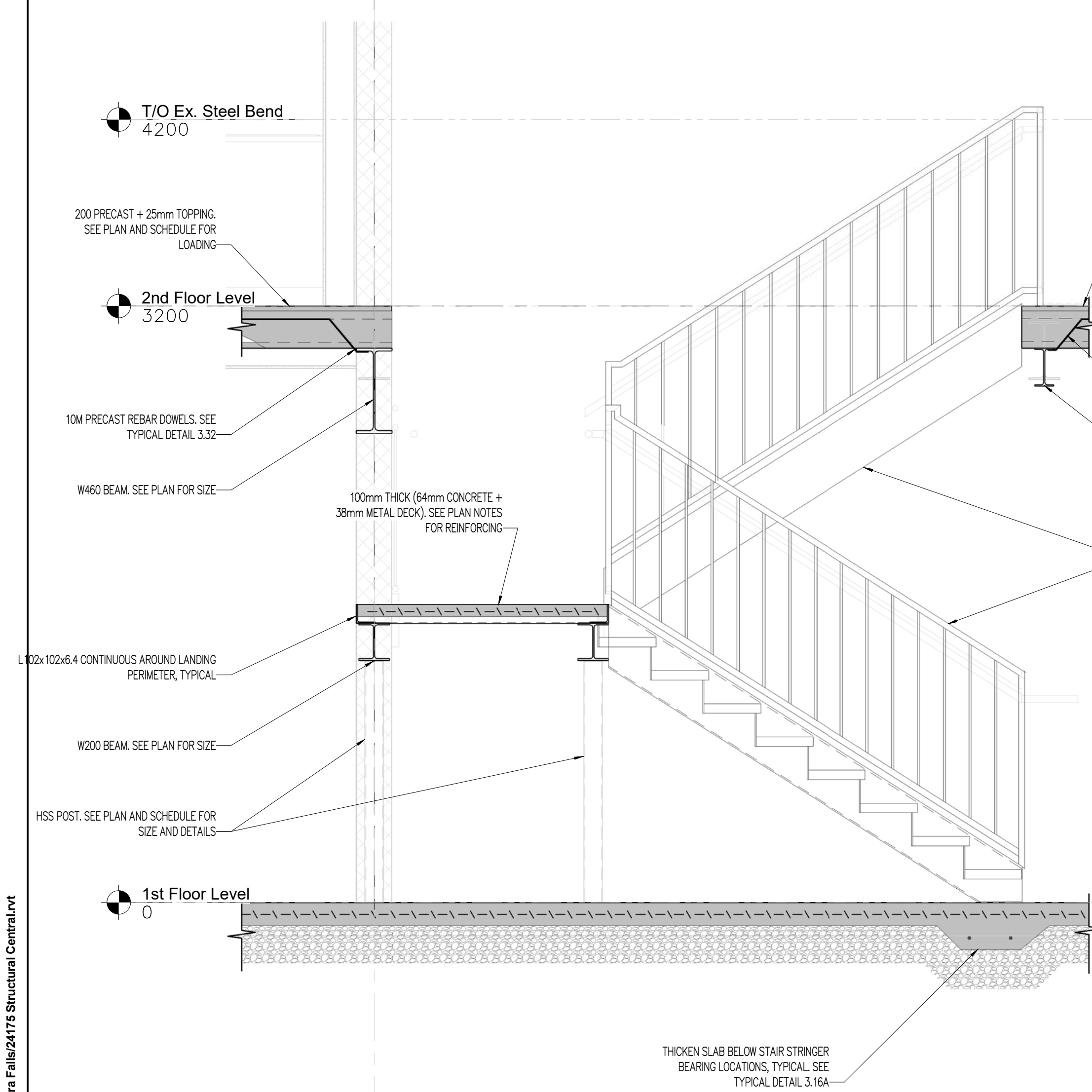
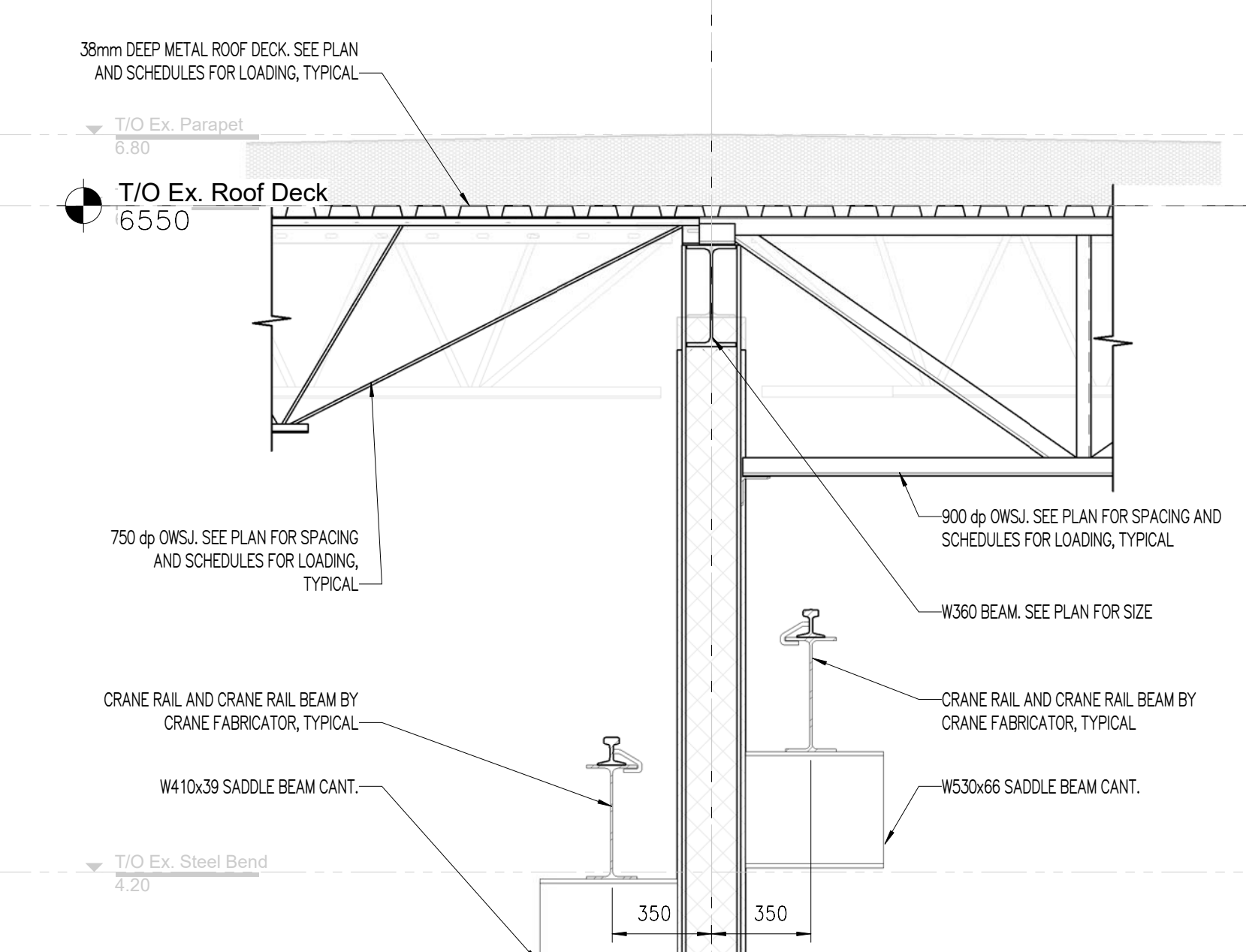
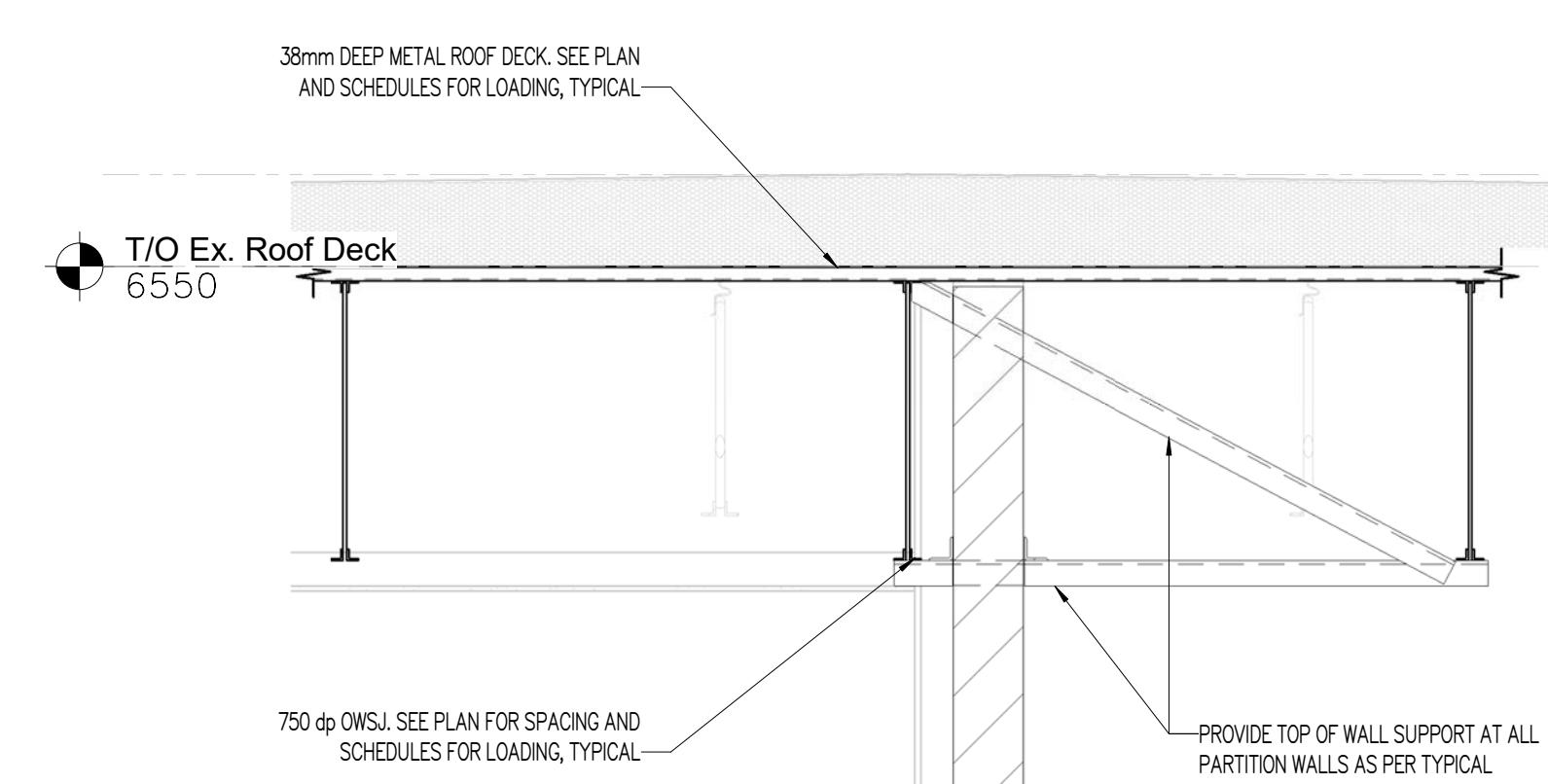
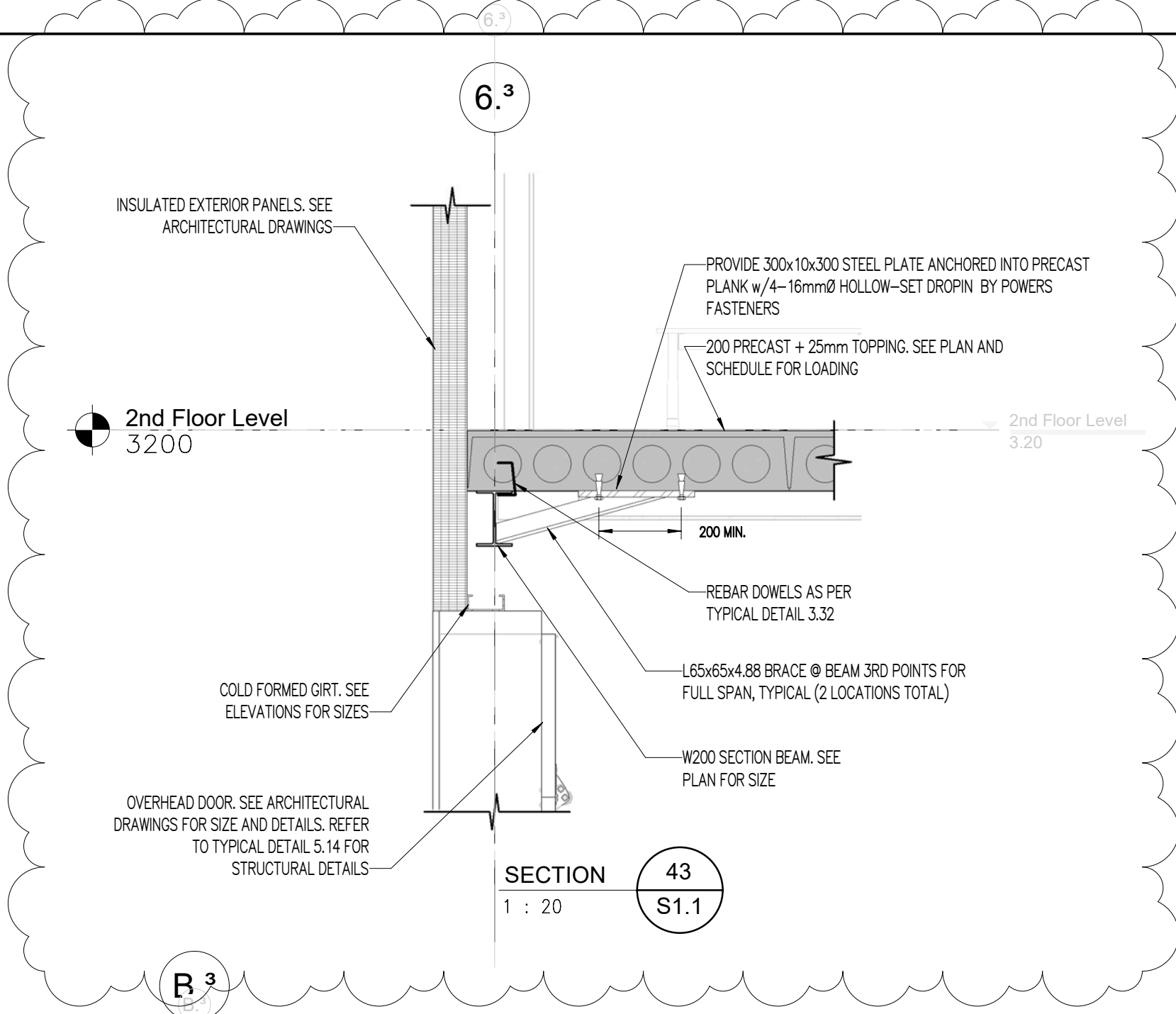
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**S3.2**

REV. #





Autodesk Docs://24-006 - NPC - WEGO Garage Niagara Falls/24175 Structural Central.rvt

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**MBSA**  
VanBoxmeer Stranges Antonio  
STRUCTURAL ENGINEERS

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Niagara Parks Commission  
**WEGO Garage Addition**

7805 Niagara River Pkwy, Niagara Falls, ON  
**SECTIONS**

DRAWN BY: VR  
DATE: 2025-01-08 9:54:38 AM  
SCALE: 1 : 20  
PROJECT NO.: 24175  
CHECKED: BCS

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**S4.4**

REV. #

FORWARDED VIA Email:  
[rgallo@raimondoarchitects.com](mailto:rgallo@raimondoarchitects.com)

January 16, 2025

Raimondo + Associates Architects Inc.  
 4687 Queen Street, Studio 2  
 Niagara Falls, ON  
 L2E 2L9

Attention: Ricardo Gallo, C.E.T.

**RE: WEGO Service Garage Addition  
 Project #24-109-090**

**ADDENDUM  
 M001**

The following are to be included in the tender for this project and are to be completed in accordance with the specifications and all terms and conditions of the contract documents.

#	Reference	Item
1	Drawing M-100, Rev 2 (re-issued)	<b>Drawing Schedule</b> - Added Drawing M-302  <b>Plumbing Equipment List</b> - Added BFP-1 and BFP-2
2	Drawing M-101, Rev 2 (re-issued)	<b>Schedules</b> - Added <i>Expansion Tank Schedule</i> - Added Type S3 to <i>Diffuser/Grille Schedule</i> - Revised Boilers from Viessmann to Lochinvar
3	Drawing M-102, Rev 2 (re-issued)	<b>Water Entry Flow Diagram</b> - Removed booster pumps - Added expansion tank ET-DW - Revised schematic to show water entry through floor and split to fire protection system
4	Drawing M-103, Rev 2 (re-issued)	<b>Details 2</b> - Added <i>Fire Protection Schematic</i>
5	Drawing M-250, Rev 2 (re-issued)	<b>Ground Floor Fire Protection Plan</b> - Added 100ø valved and capped connection to sprinkler tree for future expansion of sprinkler system
6	Drawing M-251, Rev 2 (re-issued)	<b>Second Floor Fire Protection Plan</b> - Added several missing sprinkler pipe sizes <i>Note: Revisions not marked as they occur across the entire drawing</i>
7	Drawing M-301, Rev 2 (re-issued)	<b>Second Floor Office Part Plan</b> - Removed Type S1 diffusers from mechanical room and replaced with Type S3 grille. - Revised several diffusers from Type S1 to Type S2

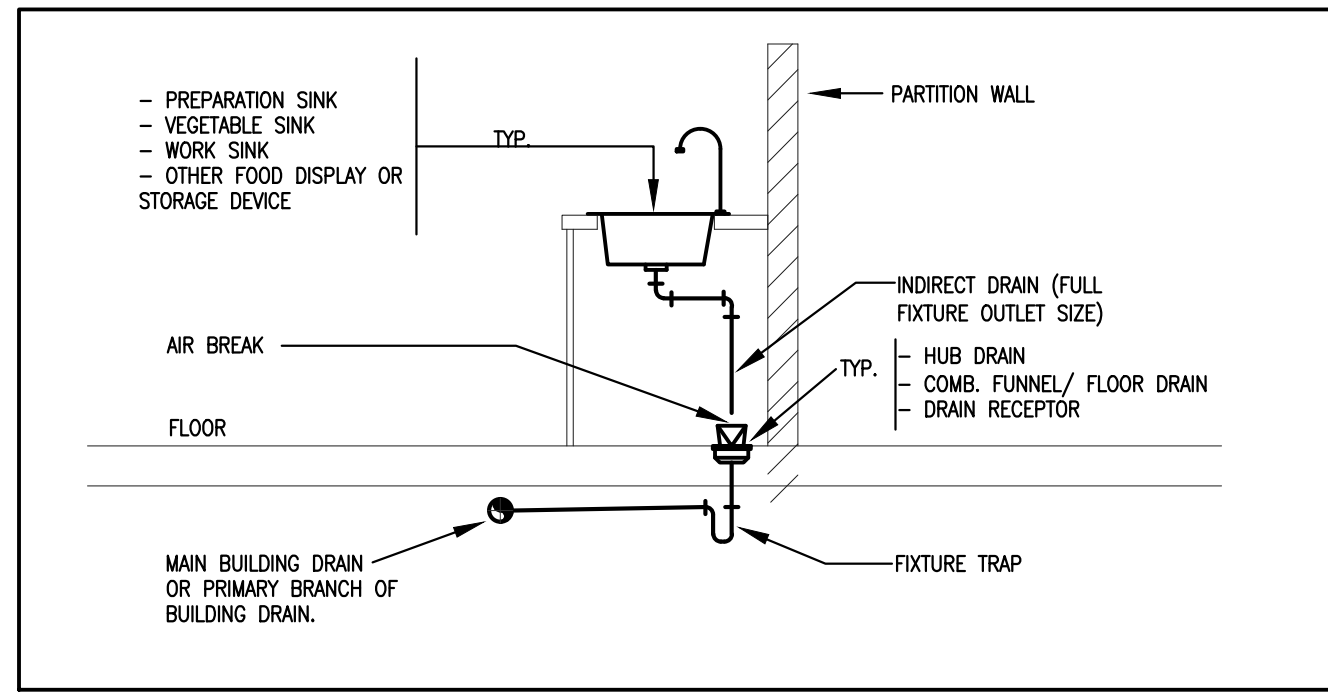
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8	Drawing M-302, Rev 0 (issued)	<b>Mechanical Roof Plan</b> - Added roof plan detailing HVAC and roof drains
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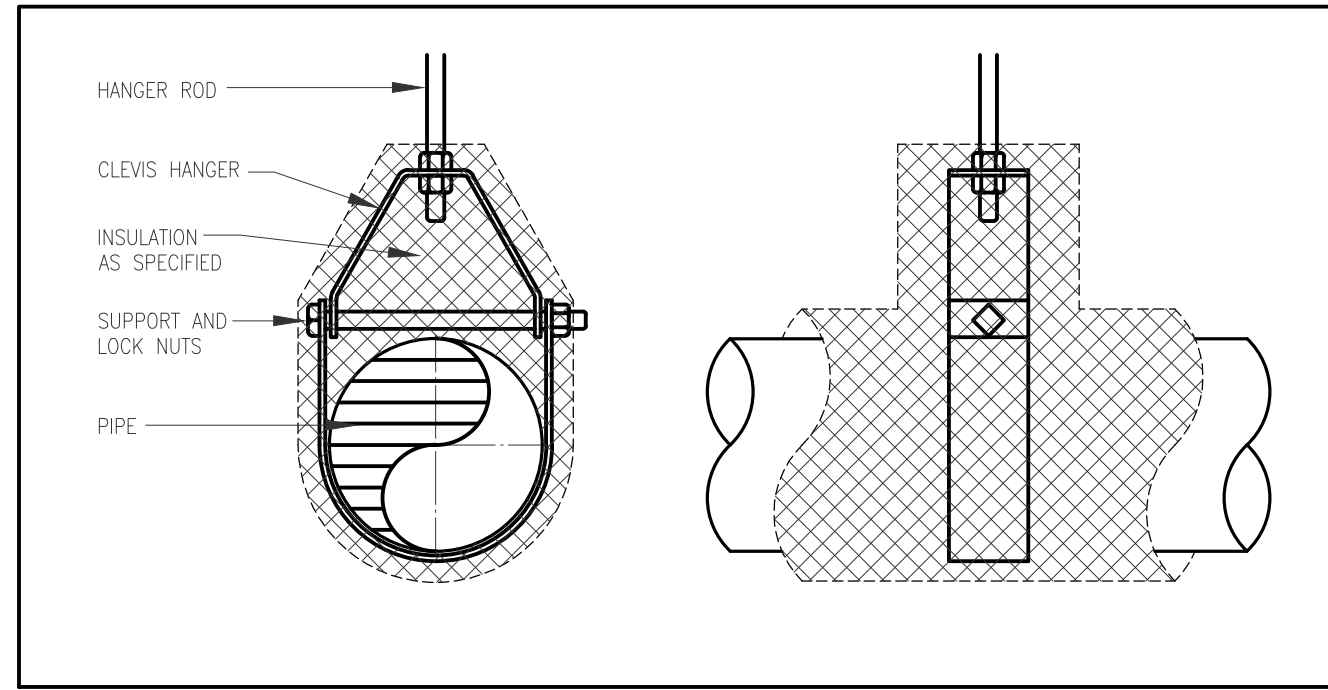
End of Addendum No. M001



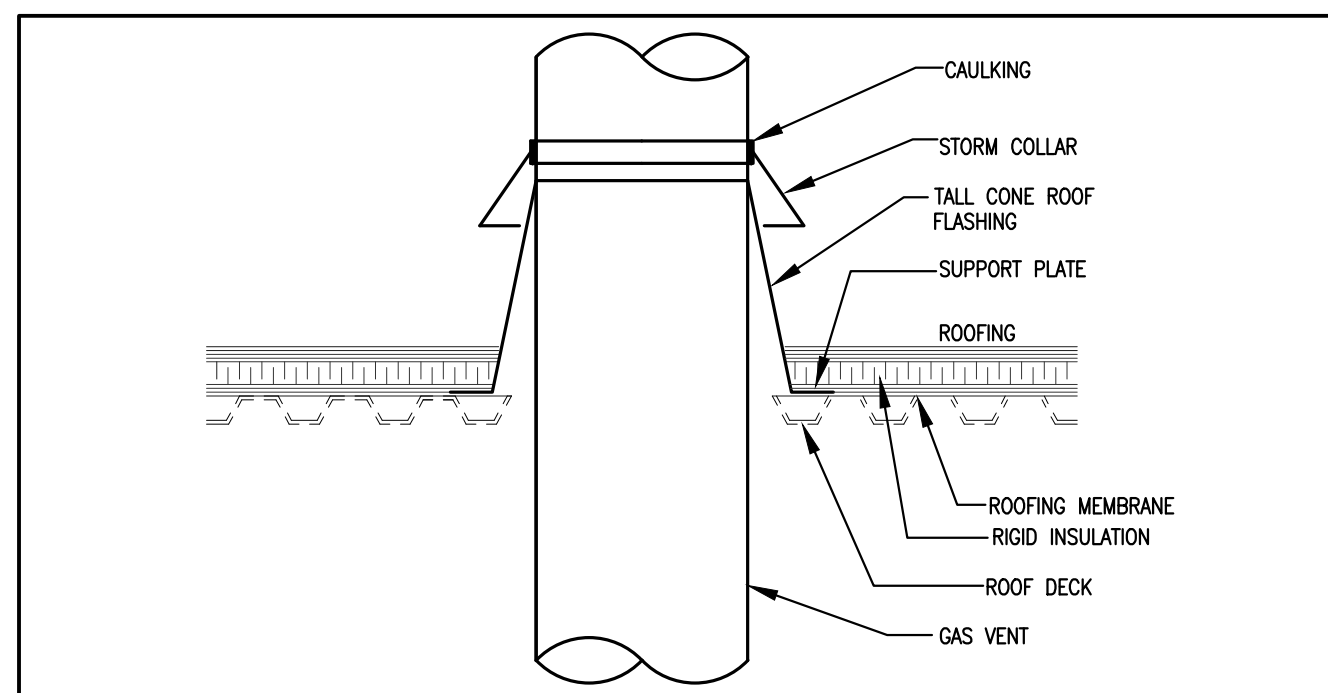




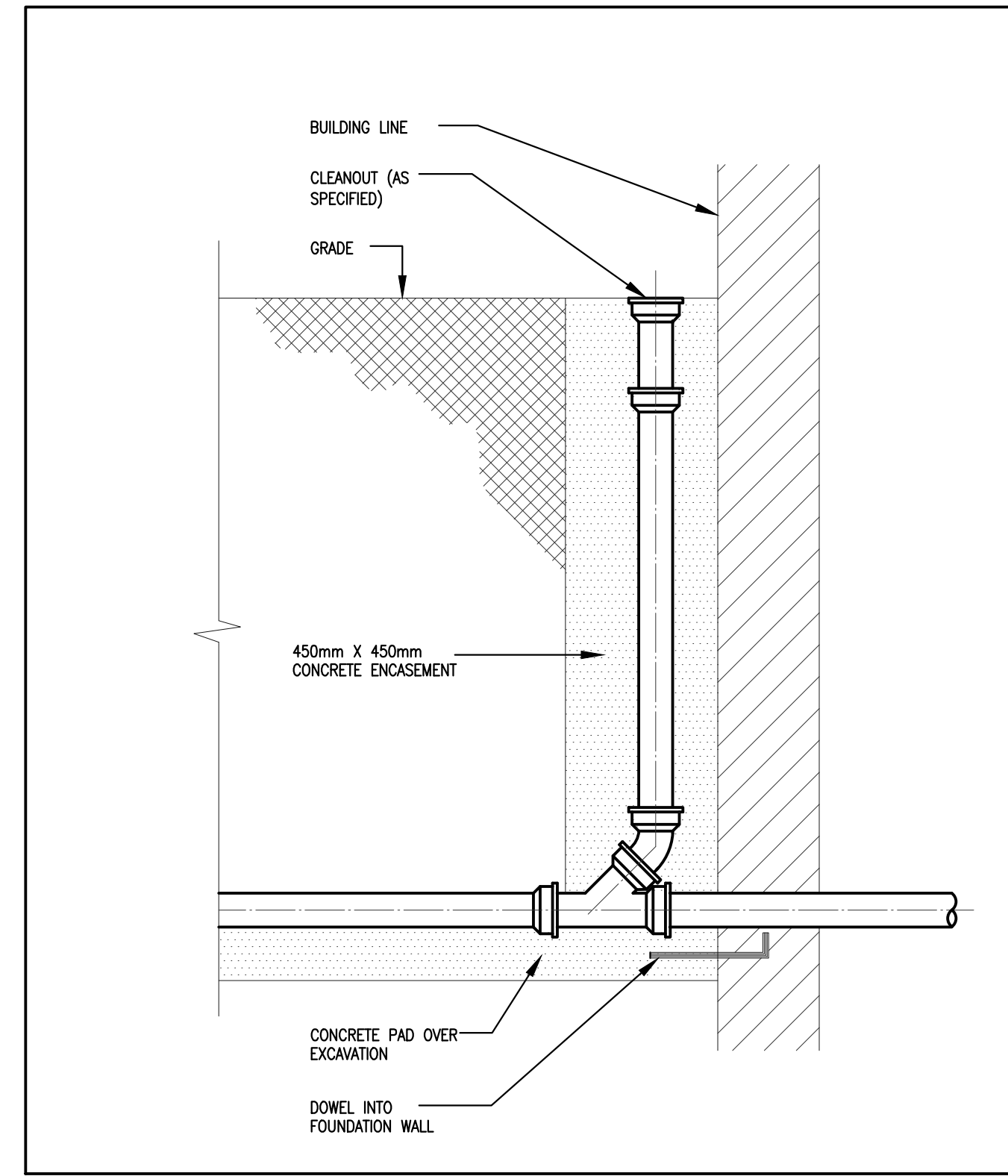
1 DRAINAGE FROM KITCHEN FIXTURE  
M-102 SCALE: N.T.S.



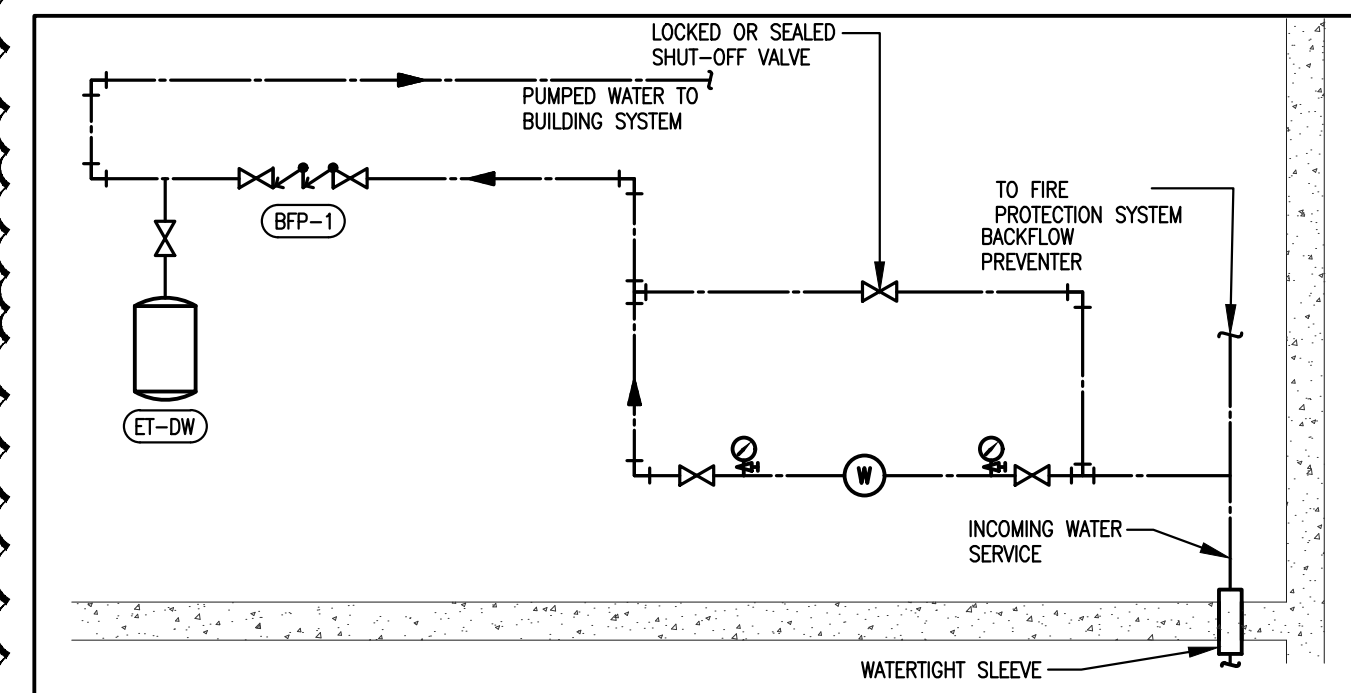
2 PIPE HANGER  
M-102 SCALE: N.T.S.



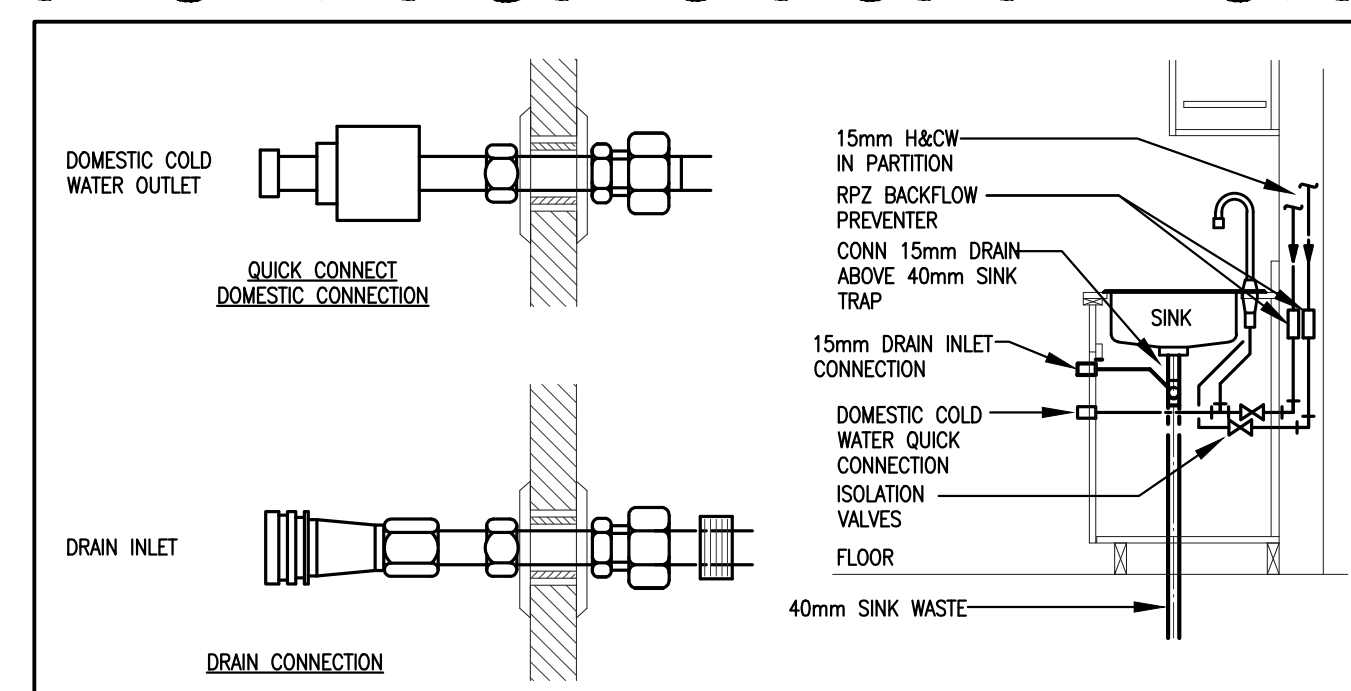
3 GAS VENT THROUGH ROOF  
M-102 SCALE: N.T.S.



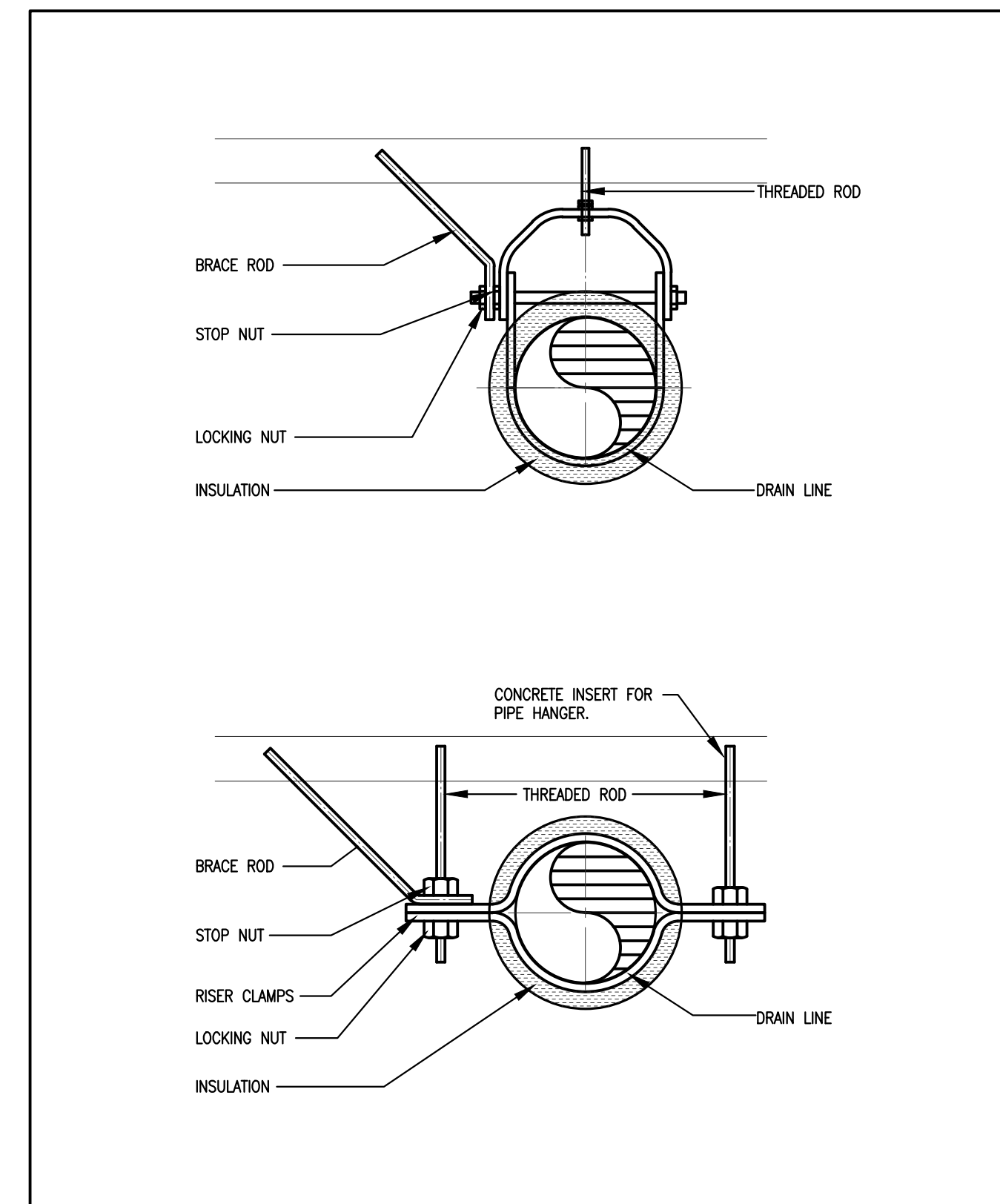
4 EXTERIOR MAIN DRAIN CLEANOUT AT BLDG WALL  
M-102 SCALE: N.T.S.



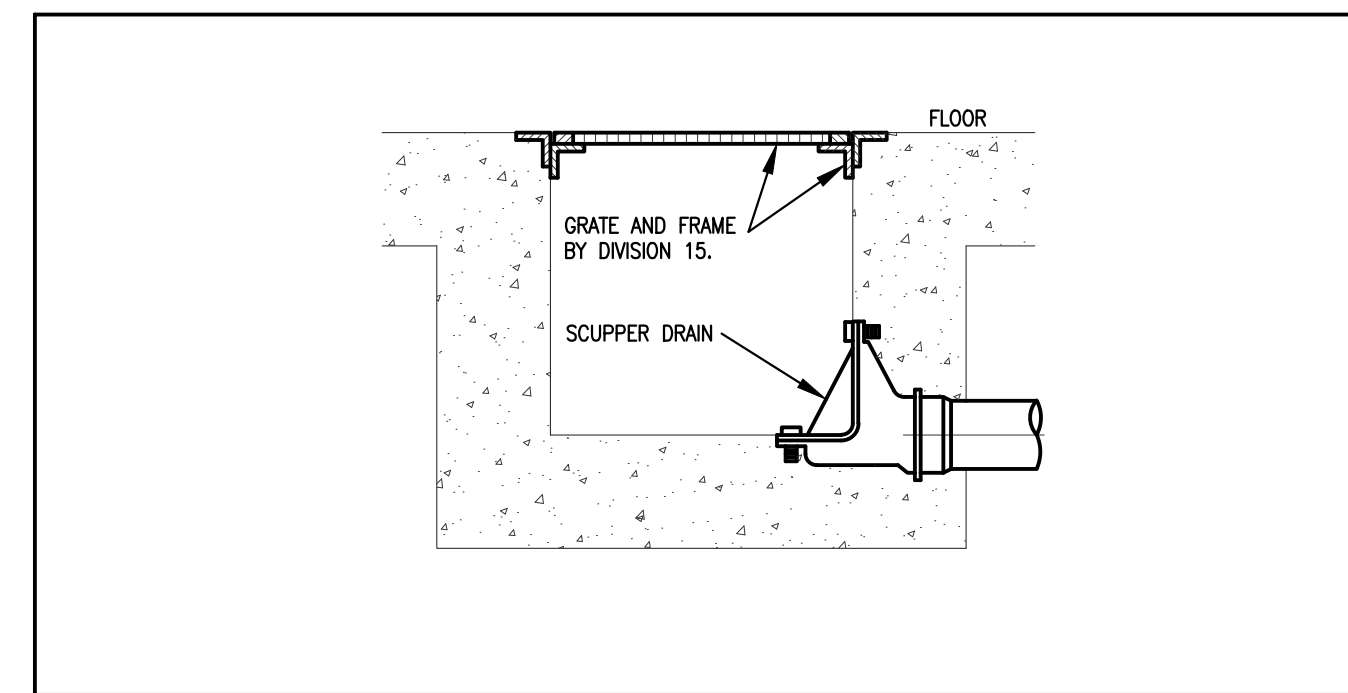
5 WATER ENTRY FLOW DIAGRAM  
M-102 SCALE: N.T.S.



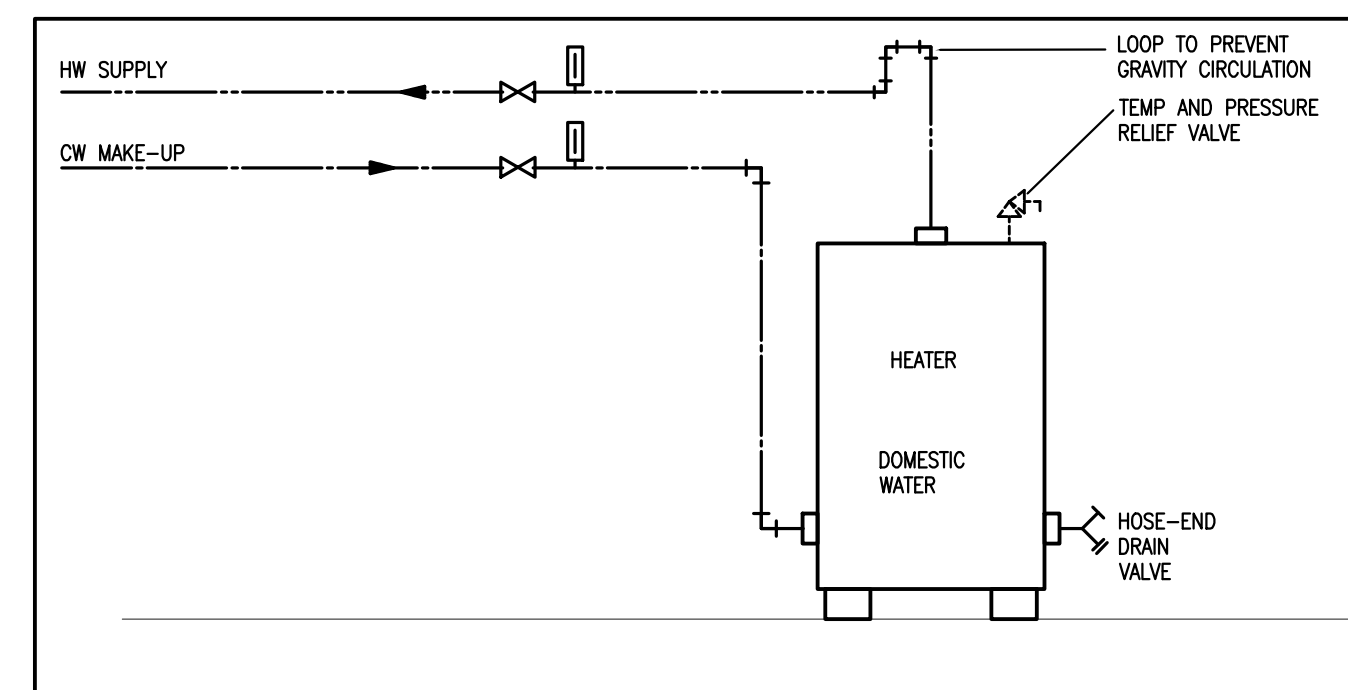
6 DOMESTIC COLD WATER AND DRAIN CONNECTIONS  
M-102 SCALE: N.T.S.



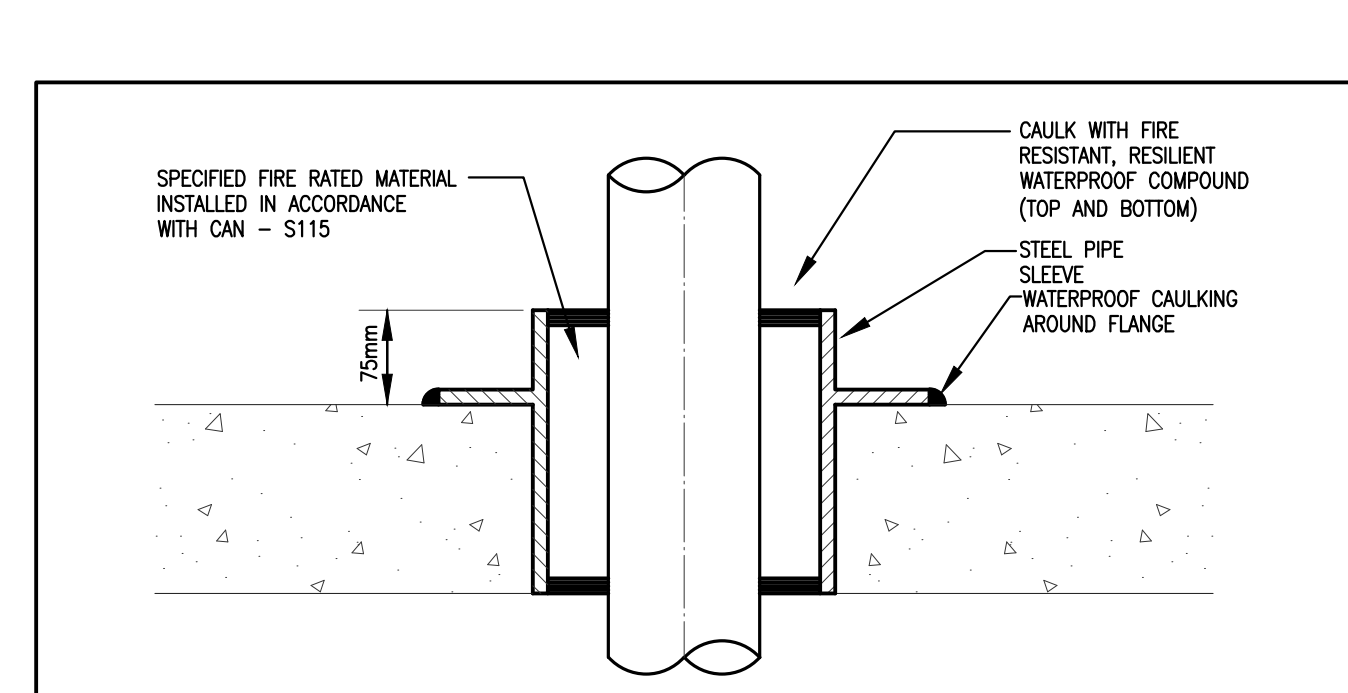
7 DRAIN PIPE SUPPORT  
M-102 SCALE: N.T.S.



8 TRENCH DRAIN  
M-102 SCALE: N.T.S.



9 WATER HEATER PIPING  
M-102 SCALE: N.T.S.

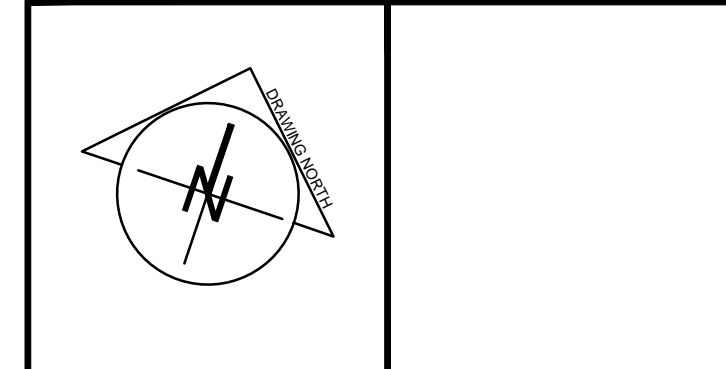


10 FIRE RATED PIPE SLEEVE  
M-102 SCALE: N.T.S.

GENERAL NOTES

No.	DESCRIPTION	DATE	BY
2	ISSUED FOR ADD-M001	JAN. 16, 2025	J.C.
1	RE-ISSUED FOR TENDER	DEC. 10, 2024	J.C.
0	ISSUED FOR TENDER	DEC. 03, 2024	J.C.

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PROJECT:  
**NPC - WEGO GARAGE  
ADDITION SERVICES  
ASSESSMENT**

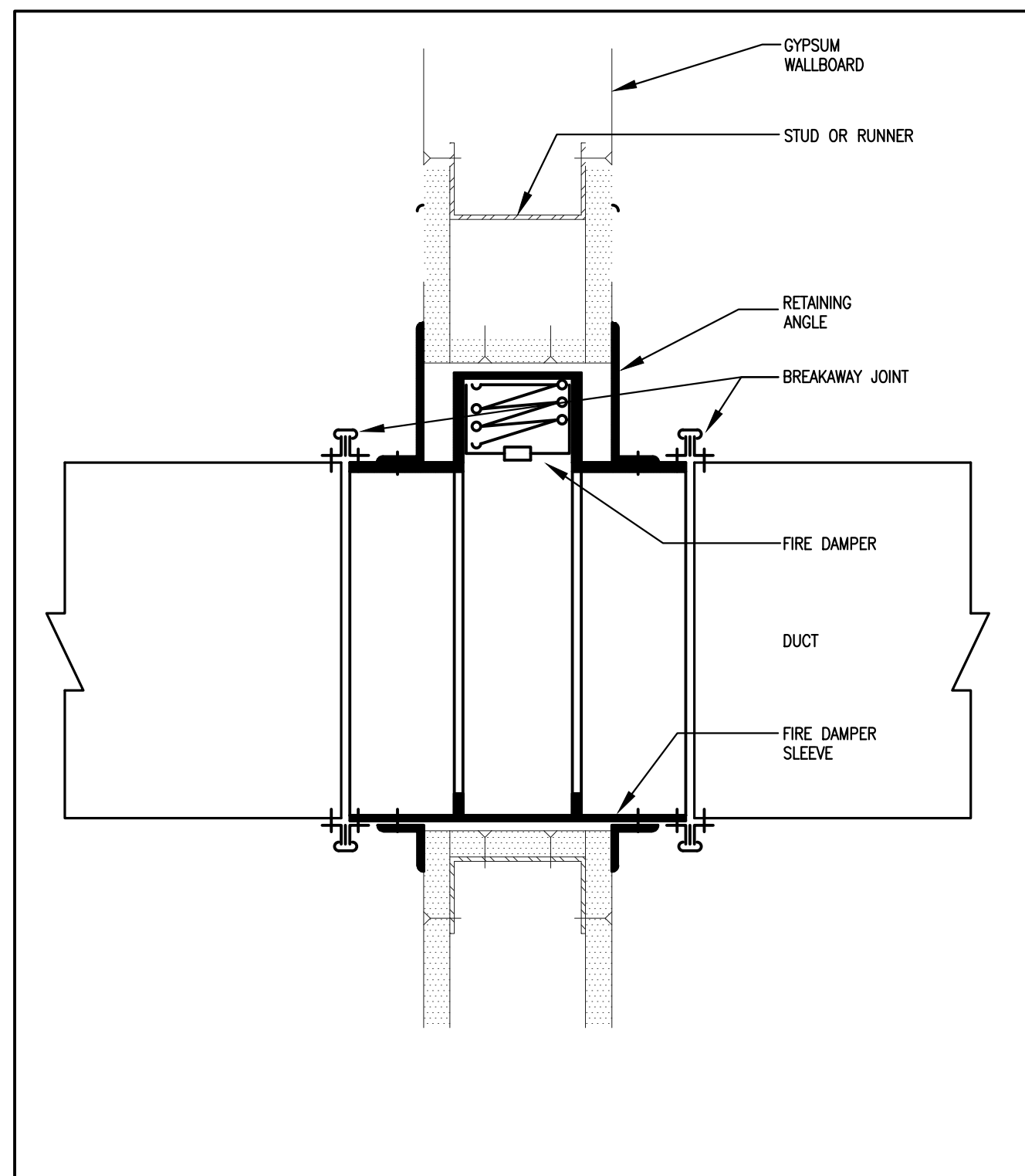
7805 NIAGARA RIVER PARKWAY, NIAGARA FALLS,  
ON L2G 7M8

START DATE: 2024 10 06	DRAWN BY: M.R.	DESIGNED BY: M.R.
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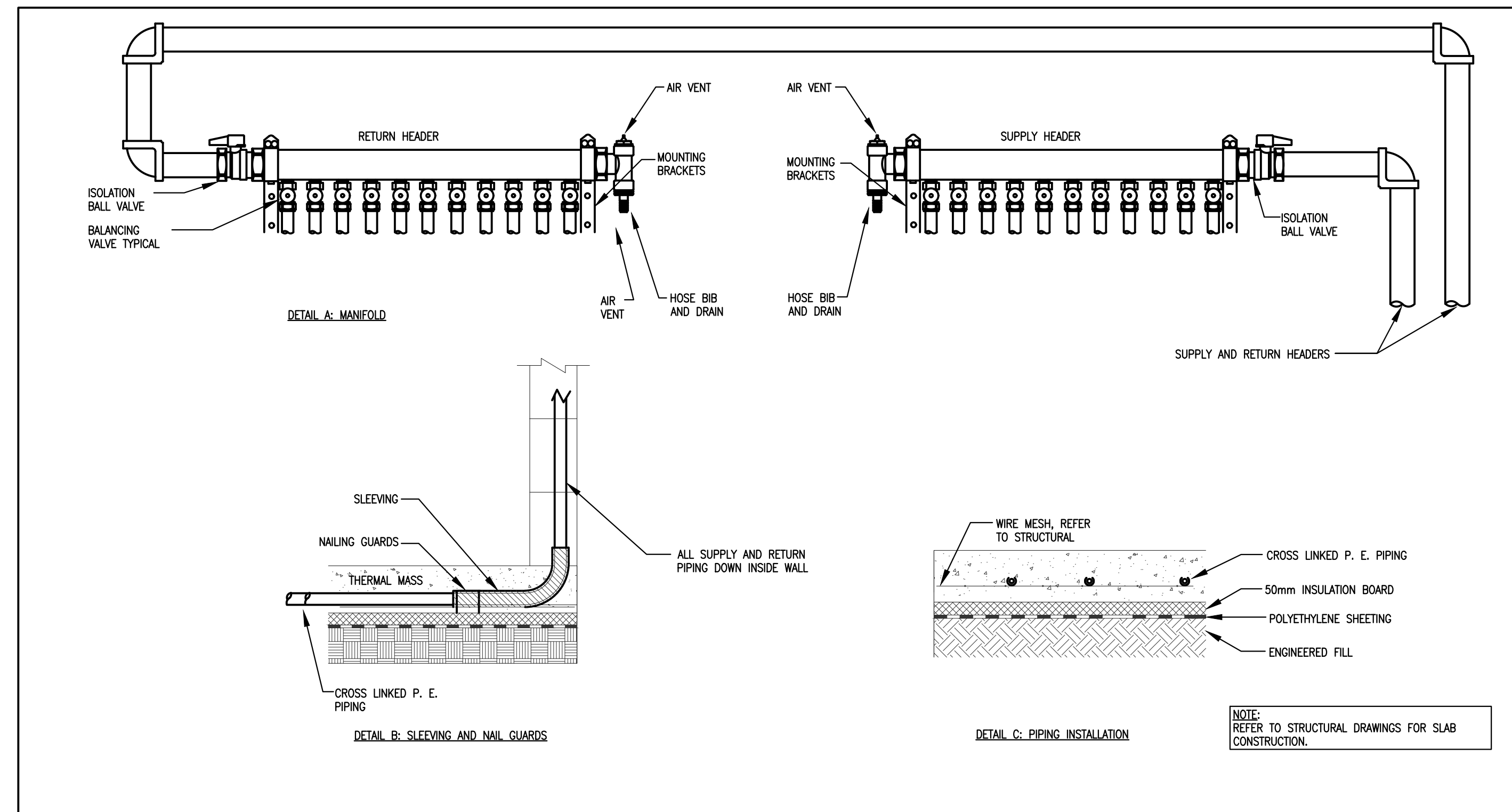
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**DETAILS 1**

SCALE: N/A	DRAWING No.:
PROJECT: 24-109-090	<b>M-102</b>

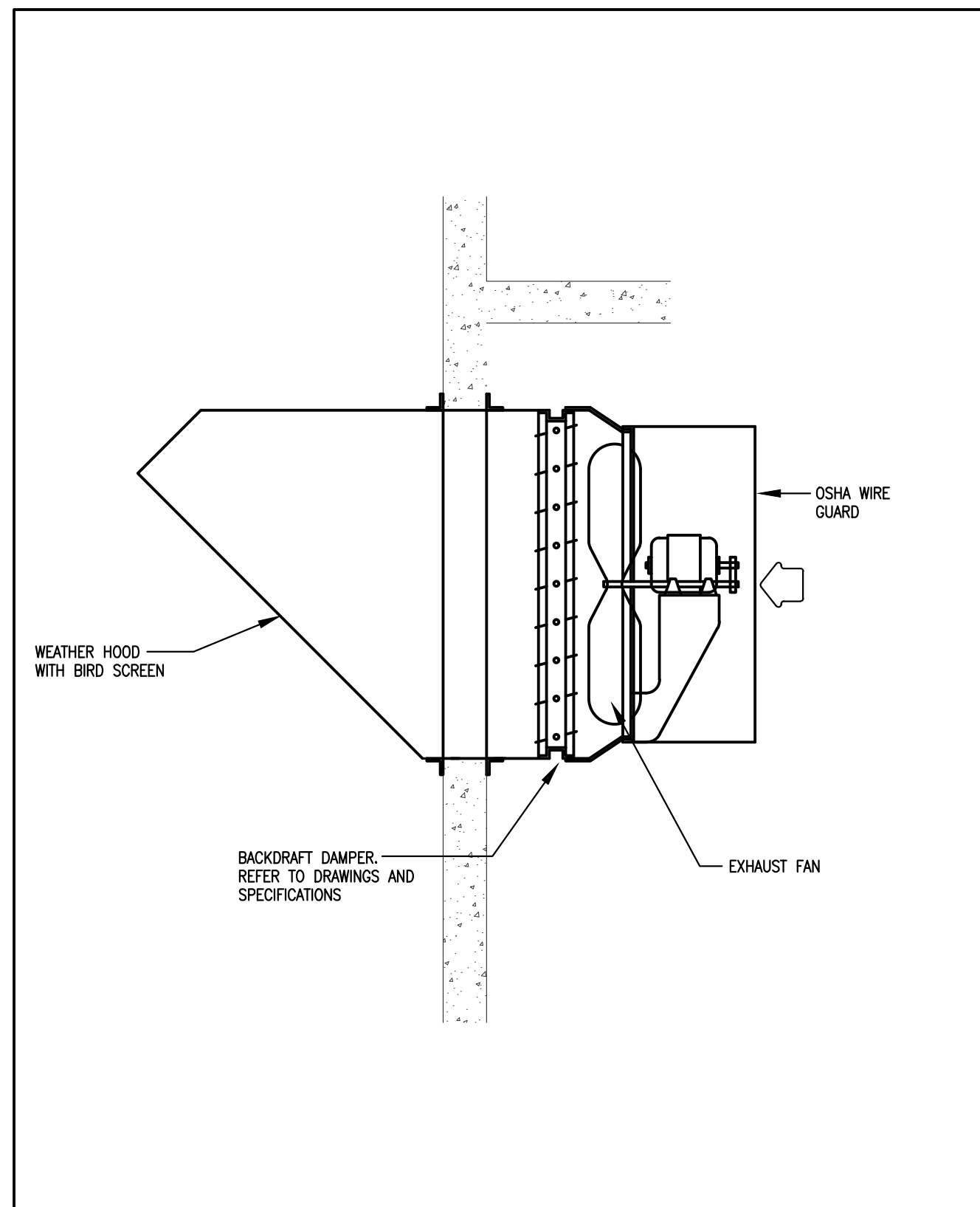
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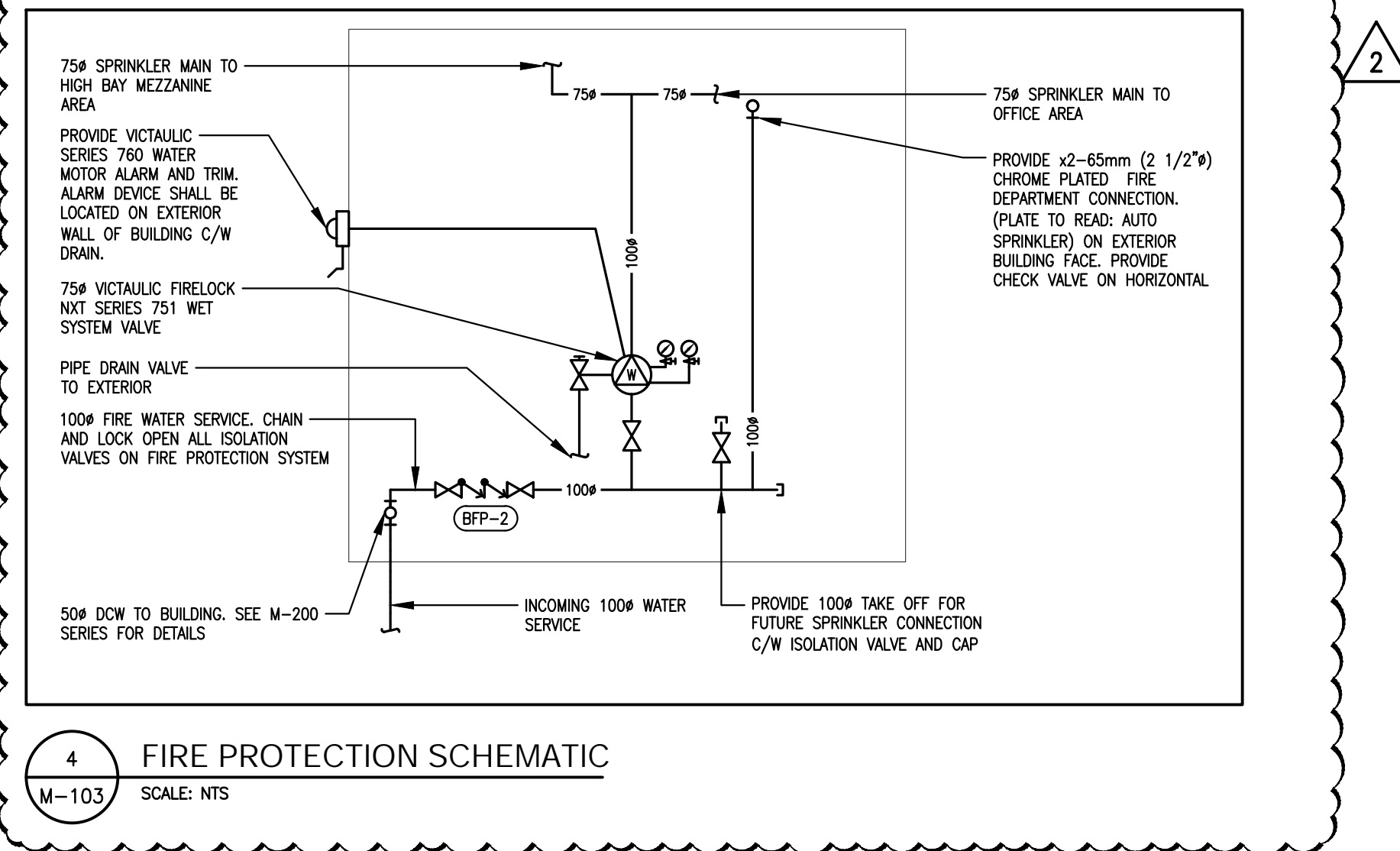
1 FIRE DAMPER  
M-103 SCALE: N.T.S.



3 RADIANT FLOOR DETAILS  
M-103 SCALE: N.T.S.



2 PARKING GARAGE EXHAUST FAN  
M-103 SCALE: N.T.S.

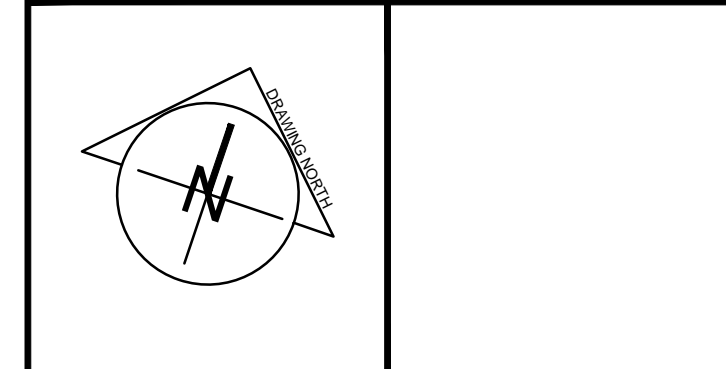


4 FIRE PROTECTION SCHEMATIC  
M-103 SCALE: N.T.S.

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ON L2G 7M8

START DATE: 2024 10 06	DRAWN BY: M.R.	DESIGNED BY: M.R.
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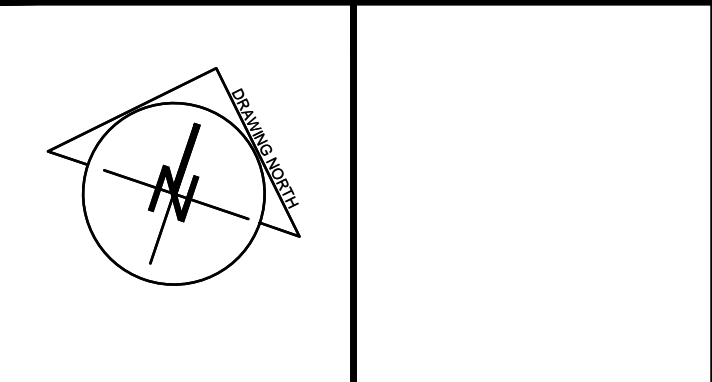
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**DETAILS 2**

SCALE: N/A	DRAWING No.:
PROJECT: 24-109-090	<b>M-103</b>

GENERAL NOTES

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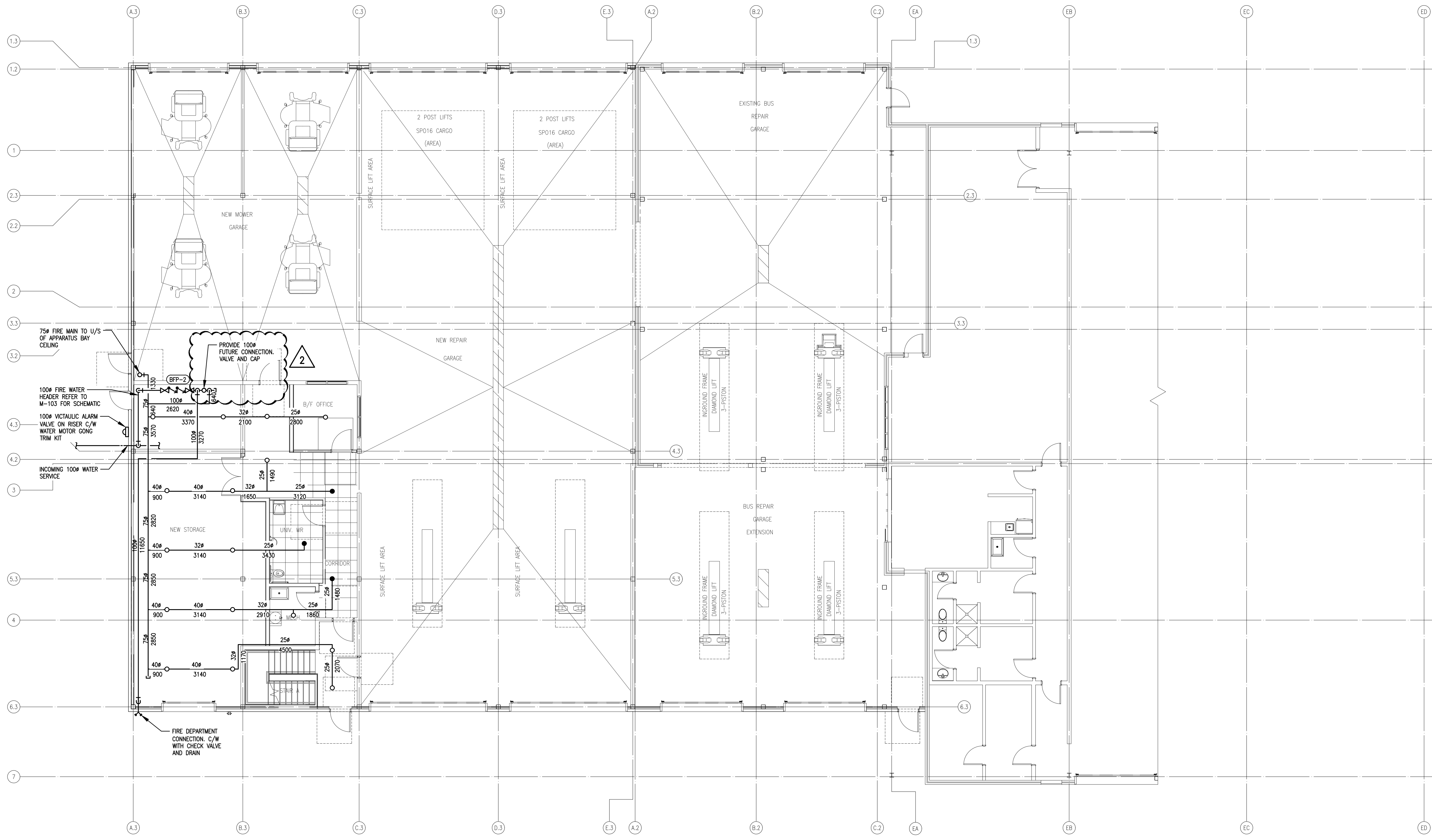
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**NPC - WEGO GARAGE  
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 ON L2G 7M8

START DATE: 2024 10 06	DRAWN BY: M.R.	DESIGNED BY: M.R.
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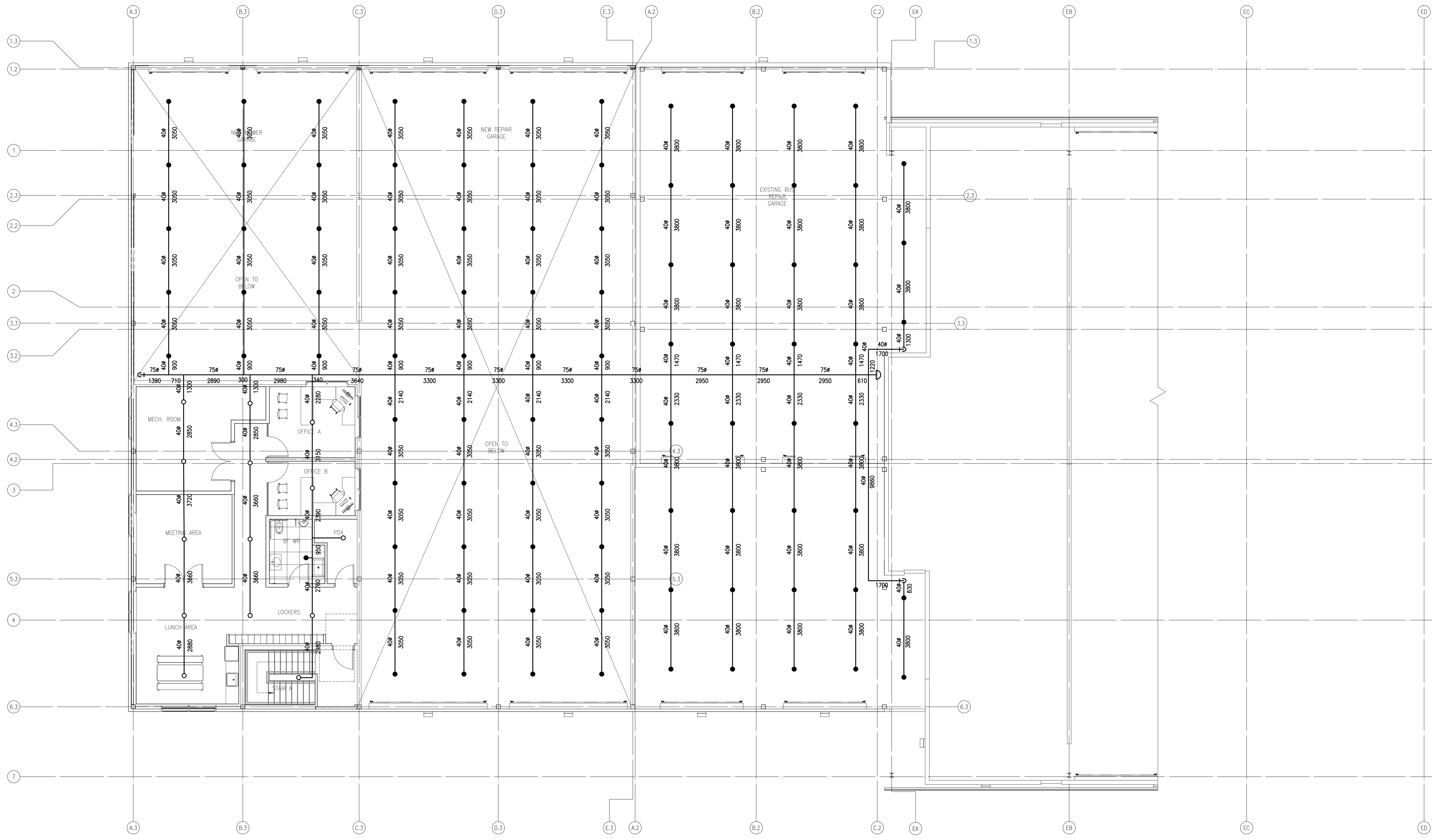
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**GROUND FLOOR FIRE  
 PROTECTION PLAN**

SCALE: 1:100	DRAWING No.:
PROJECT: 24-109-090	<b>M-250</b>



PLOT DATE: January 16, 2025

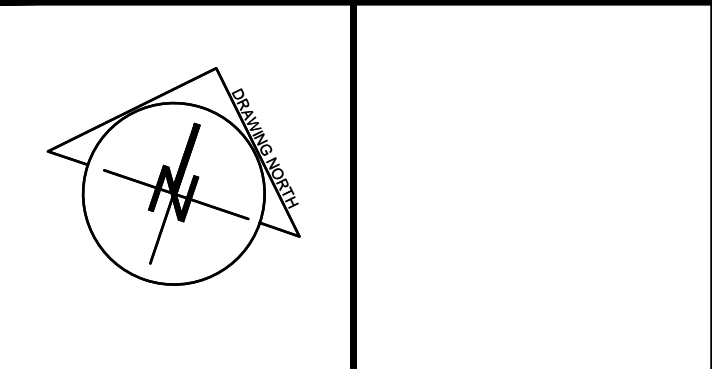




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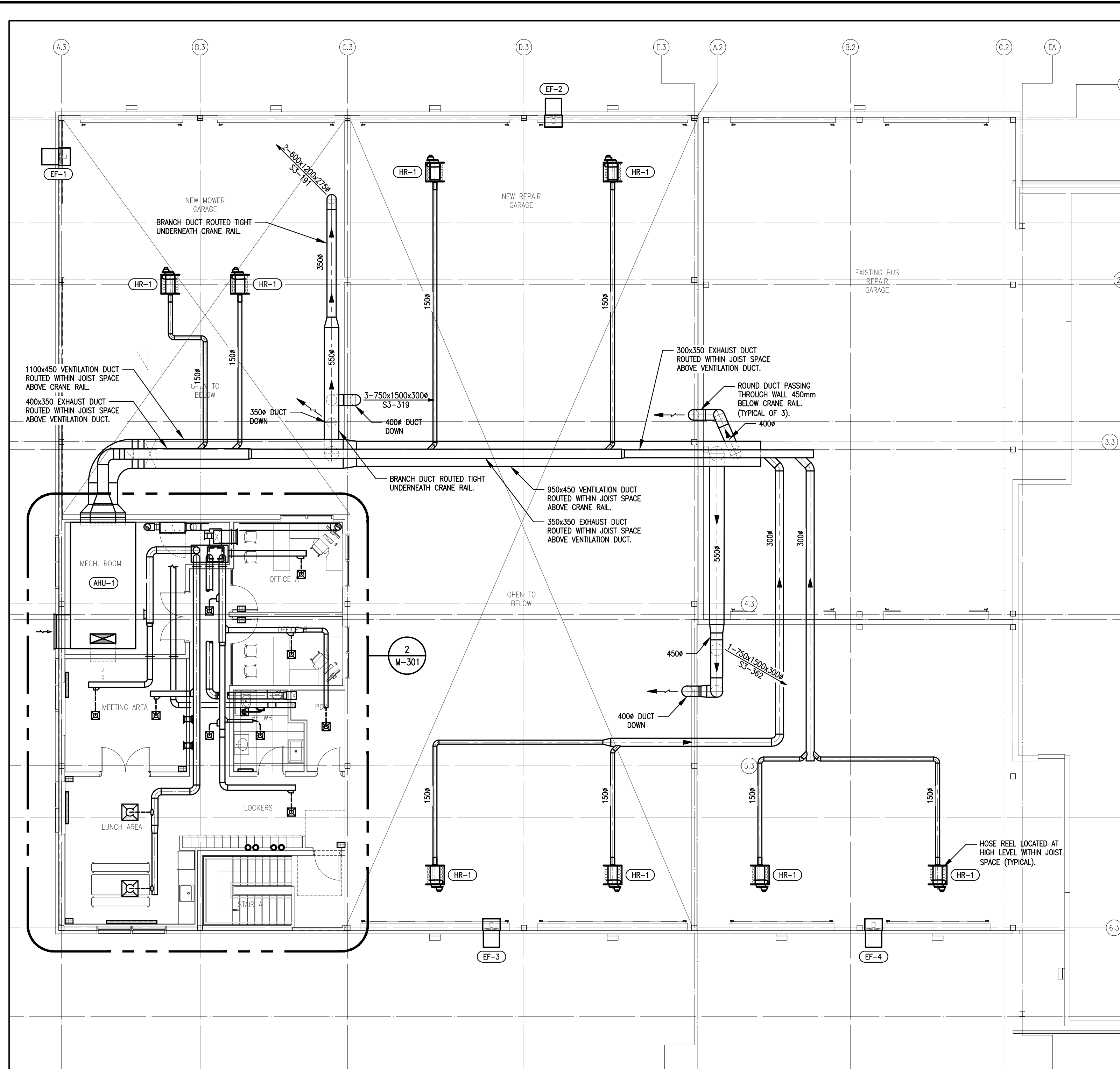
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**SECOND FLOOR FIRE  
 PROTECTION PLAN**

SCALE: 1:100	DRAWING No.:
PROJECT: 24-109-090	<b>M-251</b>

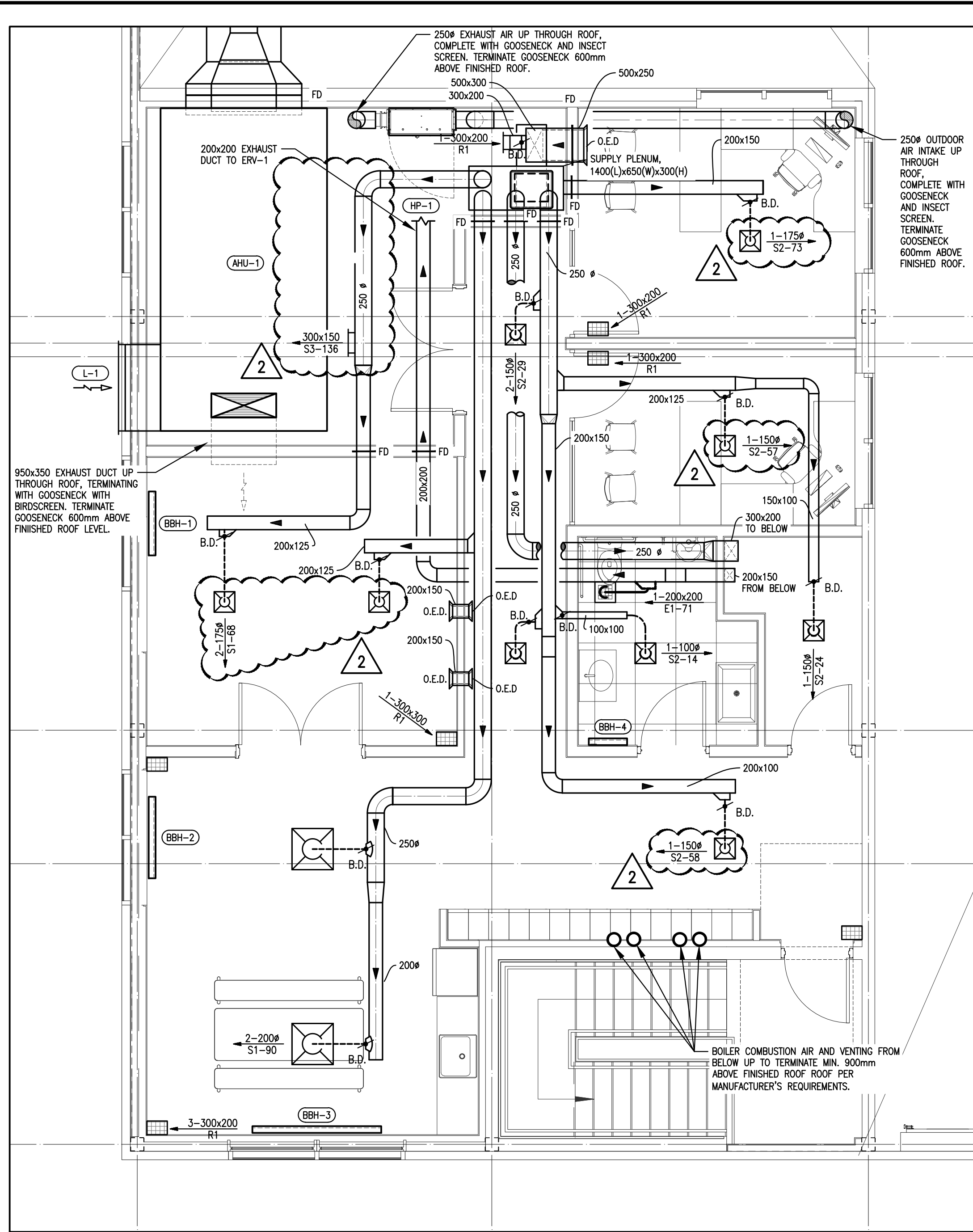
PLOT DATE: January 16, 2025

ORIGINAL SHEET SIZE: ARCH D

30cm      20cm      10cm      0



1 SECOND FLOOR HVAC PLAN  
M-301 SCALE: 1:100

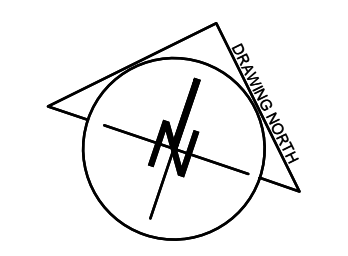


2 SECOND FLOOR OFFICE PART PLAN  
M-301 SCALE: 1:50

GENERAL NOTES

No.	DESCRIPTION	DATE	BY
2	ISSUED FOR ADD-M001	JAN. 16, 2025	J.C.
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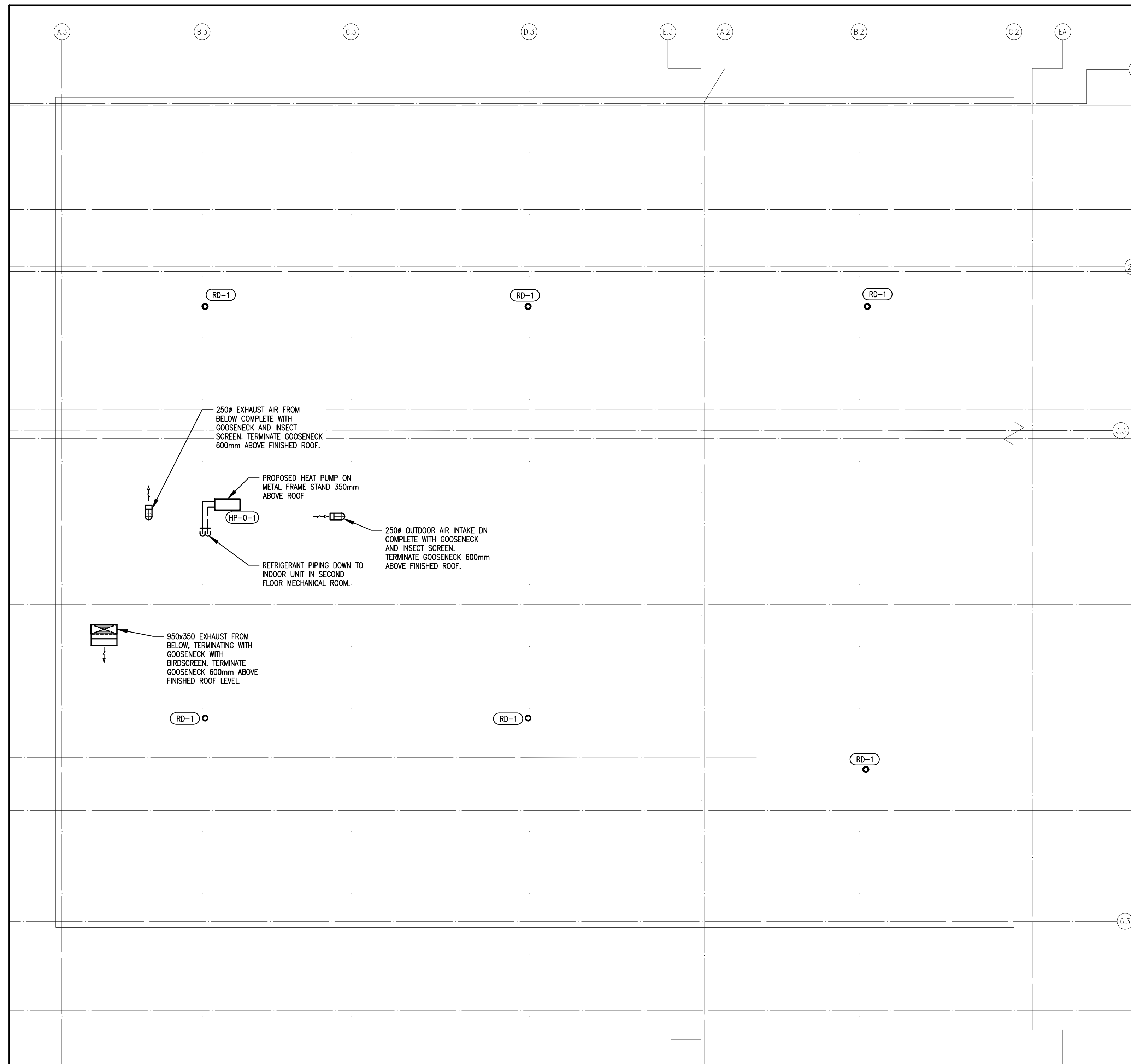
PROJECT:  
**NPC - WEGO GARAGE  
ADDITION SERVICES  
ASSESSMENT**  
7805 NIAGARA RIVER PARKWAY, NIAGARA FALLS,  
ON L2G 7M8

START DATE: 2024 10 06	DRAWN BY: M.R.	DESIGNED BY: M.R.
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DRAWING TITLE:  
**SECOND FLOOR HVAC PLAN**

SCALE: 1:100	DRAWING No.:
PROJECT: 24-109-090	<b>M-301</b>

PLOT DATE: January 16, 2025

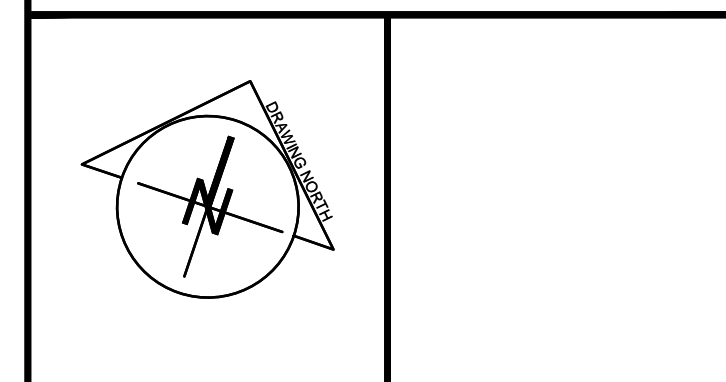


1 MECHANICAL ROOF PLAN  
 M-302 SCALE: 1:100

GENERAL NOTES

No.	DESCRIPTION	DATE	BY
0	ISSUED FOR ADD-M001	JAN. 16, 2025	J.C.

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START DATE: 2024 10 06	DRAWN BY: M.R.	DESIGNED BY: M.R.
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DRAWING TITLE:  
**MECHANICAL ROOF PLAN**

SCALE: 1:100	DRAWING No.:
PROJECT: 24-109-090	<b>M-302</b>

PLOT DATE: January 16, 2025



## Electrical Addendum No. 01

**Project:** Niagara Parks – WEGO Garage Addition – 7805 Niagara River Parkway, Niagara Falls, ON

**Project No.:** 24-186

**Date:** January 15, 2025

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This Addendum forms part of the Contract Documents and is to be read, interpreted and coordinated with all other parts. The cost of all work contained herein shall be included in the Contract Sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above named project to the extent referenced and shall become part thereof.

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### **Drawings:**

**1. Reference Drawing E301**

1.1. Refer to updated drawing for added power connections to vehicle exhaust extraction hose reels.

**2. Reference Drawing E500**

2.1. Refer to updated drawing for updated panel schedules.

**3. Reference Drawing E700**

3.1. Refer to updated drawing for added duct bank detail.

**End of Addendum No. 01**

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Notes:

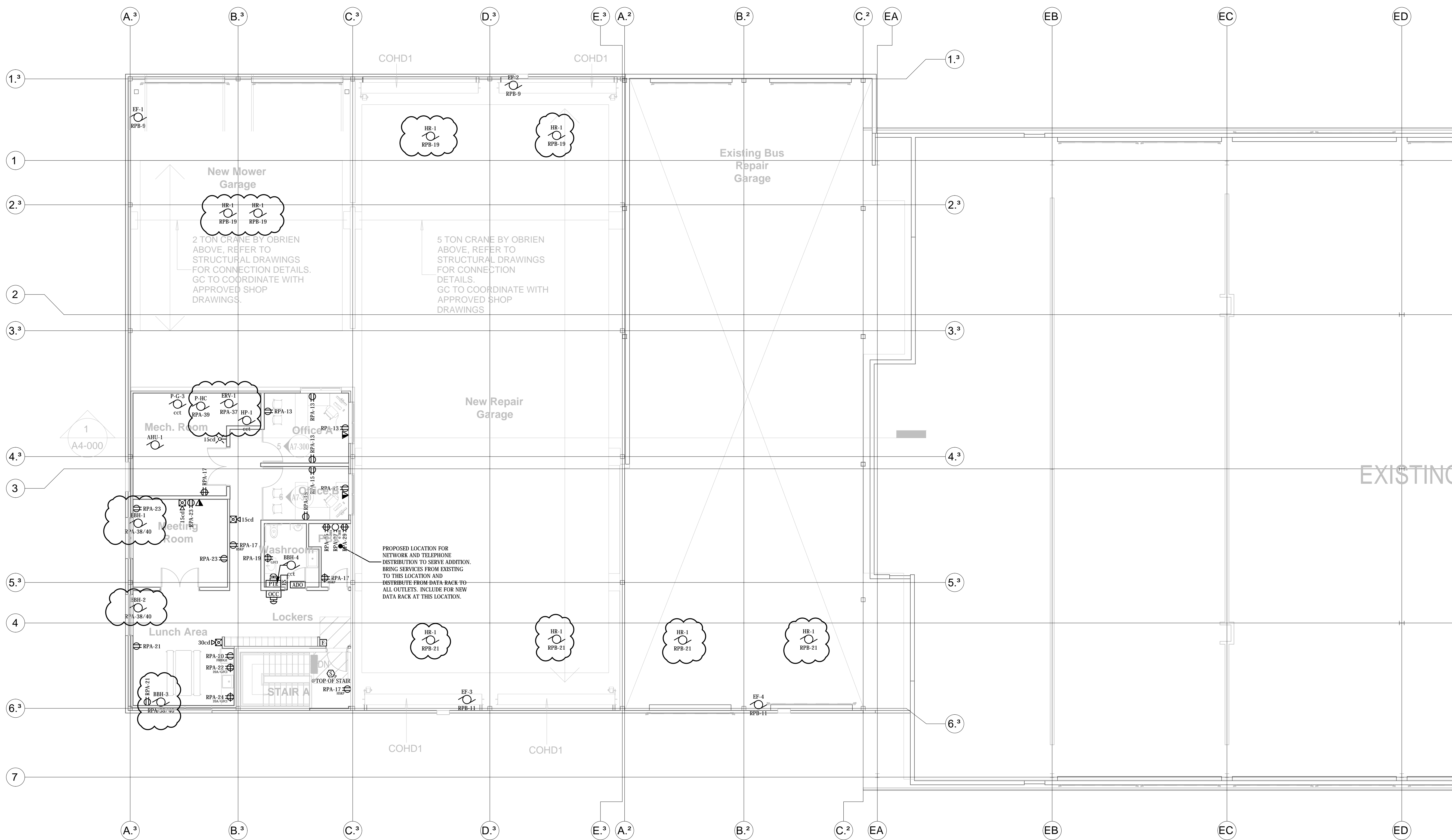
No.	Revision	Date	By
3	ISSUED FOR ADDENDUM ADD-01	2024.01.09	J.R.
2	RE-ISSUED FOR TENDER	2024.12.10	J.R.
1	ISSUED FOR PRICING	2024.12.03	J.R.



Seal

Project  
**WEGO GARAGE ADDITION**  
 7805 NIAGARA RIVER PKWY, NIAGARA FALLS, ON

Title <b>2ND FLOOR POWER AND SYSTEMS PLAN</b>			
Drawn By: KM	Designed By: JR	Approved By: KS	Date: NOV 2024
Project No. 24-186		Scale AS NOTED	
Drawing No. <b>E301</b>		Sheet	Revision <b>3</b>



SECOND FLOOR PLAN - POWER AND SYSTEMS LAYOUT  
 SCALE: 1:100

File: P:\2024\24-186 WEGO ARCH\E-01-186 E300 E300 PLANS.dwg  
 January 09, 2025 11:58am Plotted by: Judy

Panel RPA									
LOAD	DESCRIPTION	CCT	BREAKER	PHASE	BREAKER	CCT	DESCRIPTION	LOAD	
	BOILER B-1	1	15A	A	20A 2P	2	WATER HEATER		
	BOILER B-2	3	15A	B		4			
	HOUSEKEEPING RECEPTACLES	5	15A	C	15A	6	WASHROOM RECEPTACLE		
	(L) FIRE ALARM PANEL	7	15A	A	15A	8	OFFICE RECEPTACLES		
	EXTERIOR RECEPTACLES	9	15A	B	15A	10	GENERAL RECEPTACLES		
	SPARE	11	15A	C	15A	12	GENERAL RECEPTACLES		
	OFFICE RECEPTACLES	13	15A	A	15A	14	SPARE		
	OFFICE RECEPTACLES	15	15A	B	15A	16	SPARE		
	HOUSEKEEPING RECEPTACLES	17	15A	C	15A	18	SPARE		
	WASHROOM RECEPTACLE	19	15A	A	15A	20	FRIDGE RECEPTACLE		
	GENERAL RECEPTACLES	21	15A	B	20A	22	COUNTER RECEPTACLE		
	MEETING ROOM RECEPTACLES	23	15A	C	20A	24	COUNTER RECEPTACLE		
	SERVER ROOM RECEPTACLE	25	20A	A	15A	26	SPARE		
	SERVER ROOM RECEPTACLE	27	30A	B	15A	28	SPARE		
	SERVER ROOM RECEPTACLE	29	15A	C	15A	30	SPARE		
	SPARE	31	15A	A	15A	32	HYDRONIC PUMP		
	SPARE	33	15A	B	15A	34	HYDRONIC PUMP		
	SPARE	35	15A	C	15A	36	HYDRONIC PUMP		
	ENERGY RECOVERY UNIT ERV-1	37	15A	A	40A 2P	38	ELECTRIC HEATING		
	PUMP HC-1	39	15A	B		40			
	SPARE	41	15A	C	15A	42	SPARE		
		43		A		44			
		45		B		46			
		47		C		48			
		49		A		50			
		51		B		52			
		53		C		54			
		55		A		56			
		57	30A	B	60A 1 3P	58	PANEL LPA		
	SURGE SUPPRESSION (TVSS)	59	1 3P	C		60			
0								0	
							WATTS		AMPS
208	VOLTAGE		PHASE A				0		0.00
3	PHASE		PHASE B				0		0.00
100A	MAIN BREAKER		PHASE C				0		0.00
100A	MAIN BUS		TOTAL				0		0.00

Panel RPB									
LOAD	DESCRIPTION	CCT	BREAKER	PHASE	BREAKER	CCT	DESCRIPTION	LOAD	
	GENERAL SHOP RECEPTACLES	1	15A	A	15A	2	GENERAL SHOP RECEPTACLES		
	GENERAL SHOP RECEPTACLES	3	15A	B	15A	4	GENERAL SHOP RECEPTACLES		
	GENERAL SHOP RECEPTACLES	5	15A	C	15A	6	GENERAL SHOP RECEPTACLES		
	GAS DETECTION SYSTEM	7	15A	A		8			
	GARAGE EXHAUST FANS	9	15A	B		10	OUTDOOR AIR HANDLING HEAT PUMP UNIT		
	GARAGE EXHAUST FANS	11	15A	C		12			
		13	15A	A	15A 2P	14			
	2 POST LIFT (**)	15	2P	B		16	2 POST LIFT (**)		
	SPARE	17	15A	C	15A	18	SPARE		
	HOSE REEL EXTRACTION POWER	19	15A	A	15A	20	SPARE		
	HOSE REEL EXTRACTION POWER	21	15A	B	15A	22	SPARE		
	SPARE	23	15A	C	15A	24	SPARE		
	SPARE	25	20A	A	20A	26	SPARE		
	SPARE	27	20A	B	20A	28	SPARE		
		29		C		30			
		31		A		32			
		33		B		34			
		35		C		36			
		37		A		38			
		39		B		40			
		41		C		42			
0								0	
							WATTS		AMPS
208	VOLTAGE		PHASE A				0		0.00
3	PHASE		PHASE B				0		0.00
100A	MAIN BREAKER		PHASE C				0		0.00
100A	MAIN BUS		TOTAL				0		0.00

Panel LPA									
LOAD	DESCRIPTION	CCT	BREAKER	PHASE	BREAKER	CCT	DESCRIPTION	LOAD	
	(L) EXIT AND EMERGENCY LIGHTING	1	15A	A	20A	2	GARAGE BAY LIGHTING		
	SECOND FLOOR GENERAL LIGHTING	3	20A	B	20A	4	GARAGE BAY LIGHTING		
	STAIR LIGHTING	5	15A	C	20A	6	GARAGE BAY LIGHTING		
	GROUND FLOOR GENERAL LIGHTING	7	20A	A	20A	8	SPARE		
	GROUND FLOOR GENERAL LIGHTING	9	20A	B	20A	10	SPARE		
	SPARE	11	15A	C	15A	12	SPARE		
		13		A		14			
		15		B		16			
		17		C		18			
		19		A		20			
		21		B		22			
		23		C		24			
0								0	
							WATTS		AMPS
208	VOLTAGE		PHASE A				0		0.00
3	PHASE		PHASE B				0		0.00
	MAIN BREAKER		PHASE C				0		0.00
125A	MAIN BUS		TOTAL				0		0.00

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Project  
**WEGO**  
**GARAGE ADDITION**  
 7805 NIAGARA RIVER PKWY, NIAGARA FALLS, ON

Title			
<b>ELECTRICAL PANEL SCHEDULES</b>			
Drawn By: KM	Designed By: JR	Approved By: KS	Date: NOV 2024
Project No. 24-186		Scale NTS	
Drawing No. <b>E550</b>		Sheet	Revision <b>3</b>

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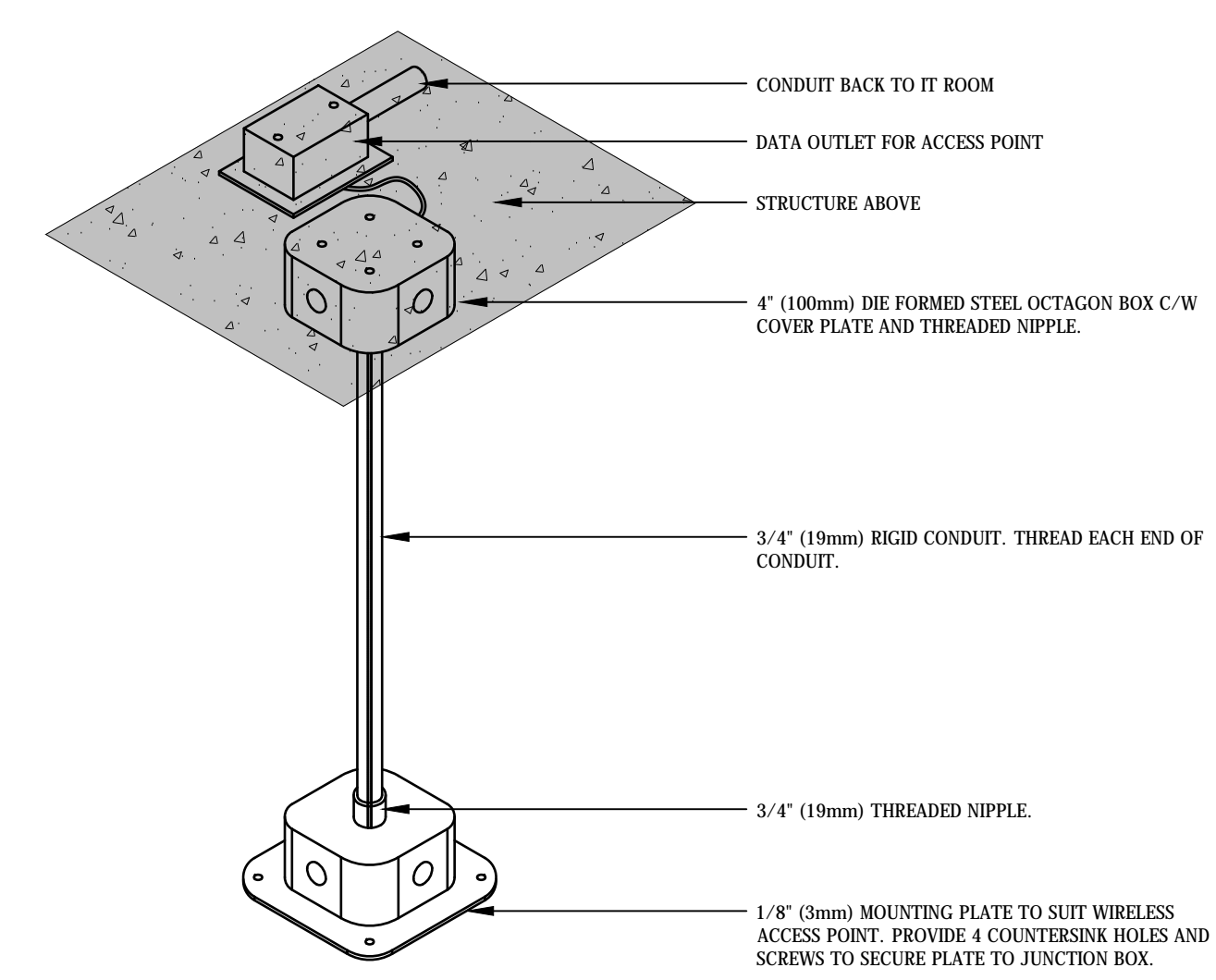


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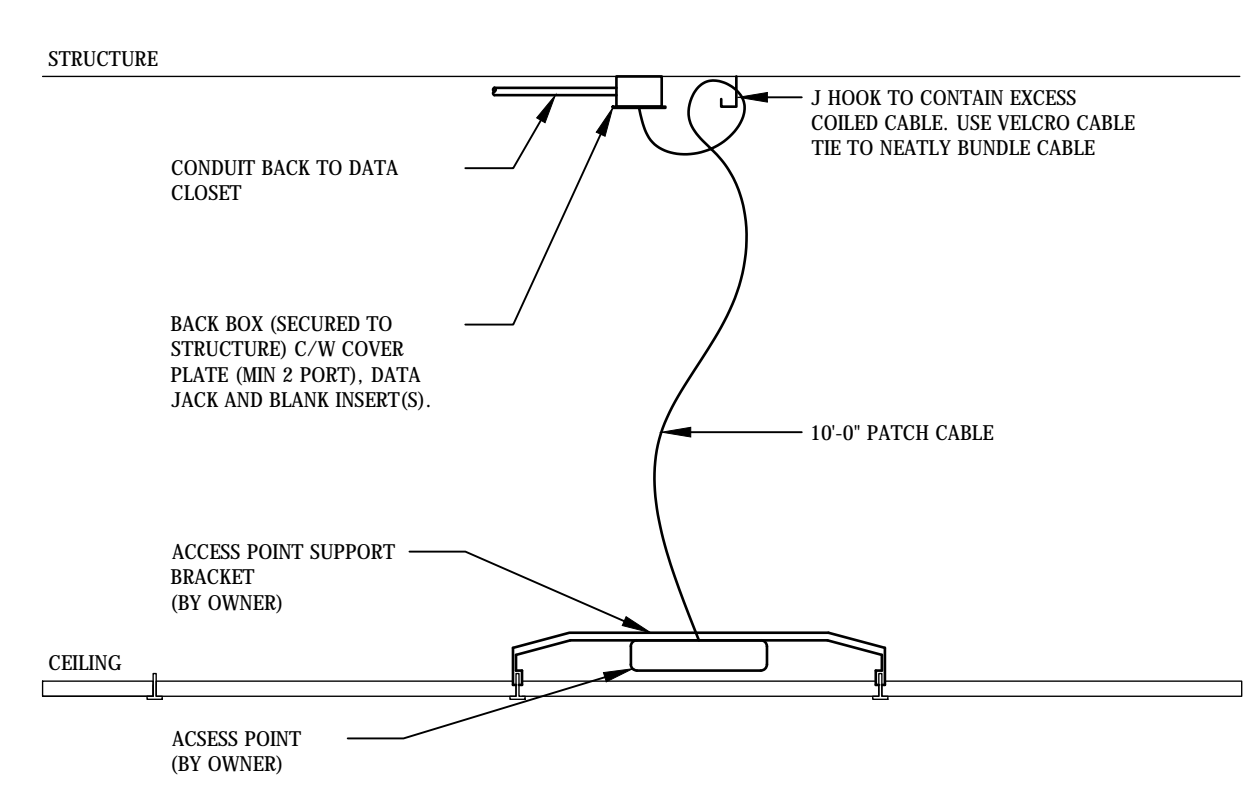
Project  
**WEGO GARAGE ADDITION**  
 7805 NIAGARA RIVER PKWY, NIAGARA FALLS, ON

Title <b>ELECTRICAL DETAILS</b>			
Drawn By: <b>KM</b>	Designed By: <b>JR</b>	Approved By: <b>KS</b>	Date: <b>NOV 2024</b>
Project No. <b>24-186</b>		Scale <b>NTS</b>	
Drawing No. <b>E700</b>	Sheet	Revision <b>3</b>	



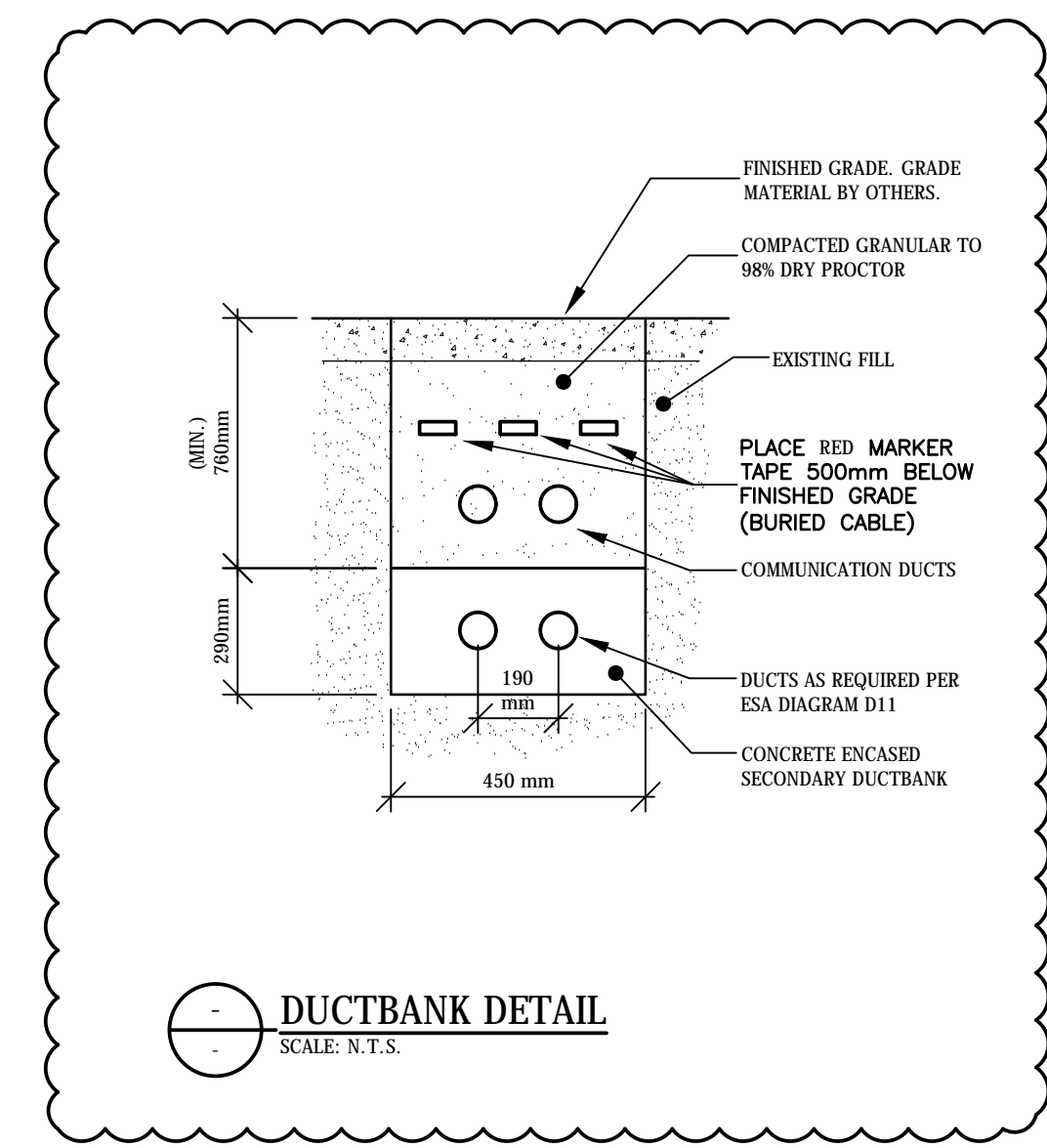
- DETAIL NOTES:
- PROVIDE BUSHINGS ON ALL HOLES FOR CABLING.
  - CONDUIT SHALL BE DEBURRED PRIOR TO INSTALLATION.
  - THE ENTIRE MOUNT SHALL BE PAINTED TO BLEND WITH CEILING. COORDINATE COLOUR WITH ARCHITECT.
  - MOUNT SHALL BE SECURELY FASTENED TO THE STRUCTURE ABOVE. PROVIDE 1/4" LAG SCREWS OR STRUT CHANNEL BETWEEN STRUCTURAL ELEMENTS.
  - CONTRACTOR SHALL COORDINATE MOUNTING PLATE WITH OWNER AND DRILL TO MATCH AND MOUNT OWNERS EQUIPMENT.
  - PROVIDE A PATCH CABLE FROM THE WIRELESS OUTLET JACK ADJACENT TO THE MOUNT AND FISH CABLE THROUGH CONDUIT TO ACCESS POINT. PROVIDE A J HOOK AND NEATLY COIL EXCESS CABLE WITH VELCRO.

**WIRELESS ACCESS POINT SUSPENSION**  
 SCALE: NTS

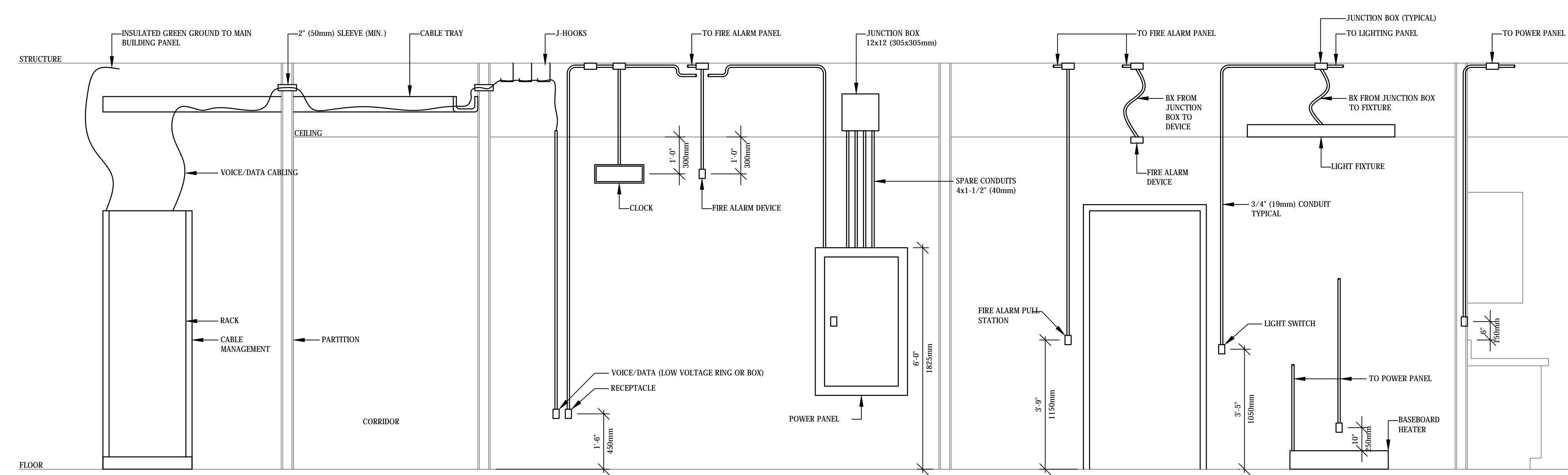


- DETAIL NOTES:
- THE CONTRACTOR SHALL PROVIDE ALL SUPPORTS AS REQUIRED TO SECURELY FASTEN BACK BOXES, CONDUIT, ACCESS POINTS, ETC. ACCESS POINTS MOUNTED TO T-BAR SHALL USE MANUFACTURE SUPPLIED BARS AND CLIPS TO SUPPORT ACCESS POINT. ACCESS POINTS MOUNTED ON DRYWALL SHALL BE SUPPORTED FROM THE CEILING ABOVE WITH UNISTRUT OR SIMILAR SYSTEM. ACCESS POINT SHALL NOT BE SECURED TO DRYWALL UNLESS WRITTEN APPROVAL FROM OWNER IS GIVEN.
  - A PULL STRING SHALL BE LEFT IN THE CONDUIT TO ALLOW AN ADDITIONAL CABLE TO BE PULLED TO THIS POINT AT A LATER DATE.
  - CONTRACTOR IS TO COORDINATE THE LOCATION OF THE DATA JACK/BACK BOX WITH THE OWNER PRIOR TO ROUGH-IN. EXACT LOCATION TO BE DETERMINED ONCE THE WALLS ARE STUDDED.
  - DATA JACK IS TO BE LABELED WITH DATA PORT NUMBER. REFER TO SPECIFICATIONS FOR LABEL INFORMATION.

**TYPICAL WIRELESS ACCESS POINT DETAIL**  
 SCALE: NTS



**DUCTBANK DETAIL**  
 SCALE: N.T.S.



- DETAIL NOTES:
- DETAIL IS APPLICABLE FOR DEVICES SHOWN ON PLANS. ALL THE DEVICES INDICATED IN THE DETAIL MAY NOT OCCUR ON THE PLANS.
  - CONDUIT SHALL BE PROVIDED IN ALL CASES UNLESS DENOTED AS BX OR AS ALLOWED IN THE SPECIFICATIONS.
  - ALL CONDUITS FOR LOW VOLTAGE CABLING AND WIRING SHALL HAVE BUSHINGS INSTALLED TO PREVENT CHAFFING OF WIRES).
  - ALL CONDUITS ARE TO GO DIRECTLY FROM THE OUTLET BOX UP THE WALL INTO THE CEILING SPACE. NO HORIZONTAL RUNS OF CONDUIT, OR GROUPING OF CONDUITS WITH OTHER SERVICES IN CLOSE PROXIMITY.
  - CONDUITS ARE TO HAVE PULL ROPES INSTALLED AND LEFT BEHIND TO ALLOW THE PULLING OF ADDITIONAL SERVICES IN THE FUTURE.
  - ALL BREACHES IN WALLS ARE TO BE FIRESTOPPED TO MAINTAIN THE FIRE SEPARATIONS.
  - PROVIDE SUPPORTS FOR ALL CEILING MOUNTED ELEMENTS (IE CHAIN HANGERS FOR FIXTURES ETC.) DEVICES SHALL NOT BE SUPPORTED BY A CEILING TILE.

**TYPICAL MOUNTING HEIGHTS/INSTALLATION DETAIL**  
 SCALE: NTS