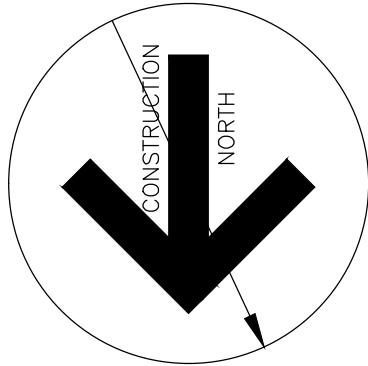


ROOF ASSEMBLY REPLACEMENT
315 EAST 37th STREET
HAMILTON, ONTARIO



GENERAL NOTES

1. ALL EXISTING CONSTRUCTION MATERIAL, APPLIANCES, DOORS, TRIM, BASEBOARDS ETC TO BE DEMOLISHED AND DISPOSED OF OFF SITE BY THE CONTRACTOR. COORDINATE WITH OWNER TIMELINES AND DIRECTION OF REMOVAL. SEE ALSO DEMOLITION PLANS FOR ADDITIONAL NOTES (TYP.).
2. ALL EXISTING PARTITION AND BULKHEAD GYPSUM BOARD INCLUDING FINISHES TO BE DEMOLISHED AND DISPOSED OF BY THE CONTRACTOR. REFER TO FLOOR PLANS FOR ADDITIONAL NOTES (TYPICAL).
3. REMOVE ALL FLOOR FINISHES. SCRAPE CLEAN ALL DEBRIS IN PREPARATION OF THE NEW FLOORING. SEE ALSO PLANS FOR ADDITIONAL NOTES.
4. WHERE REQUIRED ALL NEW AND EXISTING SERVICE PENETRATIONS IN UNIT PARTY WALLS AND CORRIDOR WALLS TO BE FIRE STOPPED TO SUIT THE EXISTING FIRE SEPARATION RATINGS. PROVIDE SHOP DRAWINGS c/w ULc LISTINGS TO SUITE FOR REVIEW OF COMPLIANCE.
5. CONTRACTOR TO CONFIRM WITH OWNER DAYS AND TIMES THAT CONSTRUCTION IS PERMITTED. CONTRACTOR TO EXECUTE BEST CONSTRUCTION PRACTICE TO CONTROL UNNECESSARY NOISE DUE TO CONSTRUCTION.
6. ALL CONSTRUCTION MATERIAL AND EQUIPMENT IS ONLY PERMITTED TO BE STORED IN THE SCOPE OF WORK AREA. (SEE ALSO DWG. A1.0)
7. REFER TO SPECIFICATIONS AND STRUCTURAL, MECHANICAL AND ELECTRICAL WORKS TO BE INCLUDED.



Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

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Revision Record

No.	Description	Date (m/d/y)
B	ISSUED FOR TENDER	MAY 01 26
A	ISSUED FOR BUILDING PERMIT	APR 17 26
No.	Description	Date (m/d/y)

Issue Record

General Notes:

OBC CLASSIFICATION

ALL RENOVATIONS AND ALTERATION WORK IS TO BE CLASSIFIED AS PER ONTARIO BUILDING CODE 2024 BUILDING CODE COMPENDIUM SECTION 11.3 PROPOSED CONSTRUCTION SENTENCE 11.3.3.2(i) EXTENSIVE RENOVATION



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ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

Date: MARCH 2026

Drawn By: GD

Chkd By: GL

Scale: AS NOTED

Drawing title:

SITE PLAN
OBC REQUIREMENTS
GENERAL NOTES

Project No.:
26032(C)

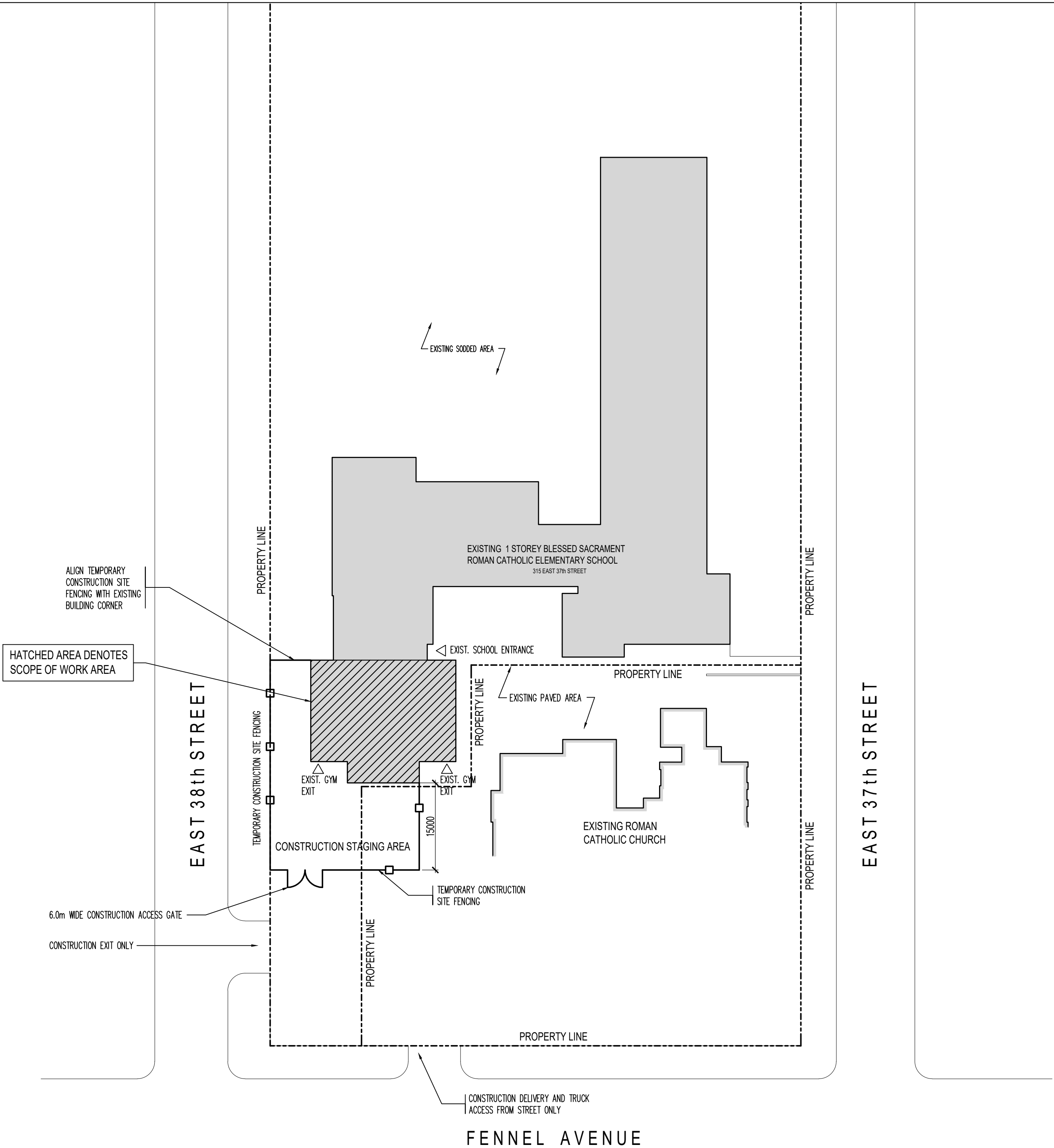
Drawing No.:
A1.0

Rev.:
B

Plot Date:

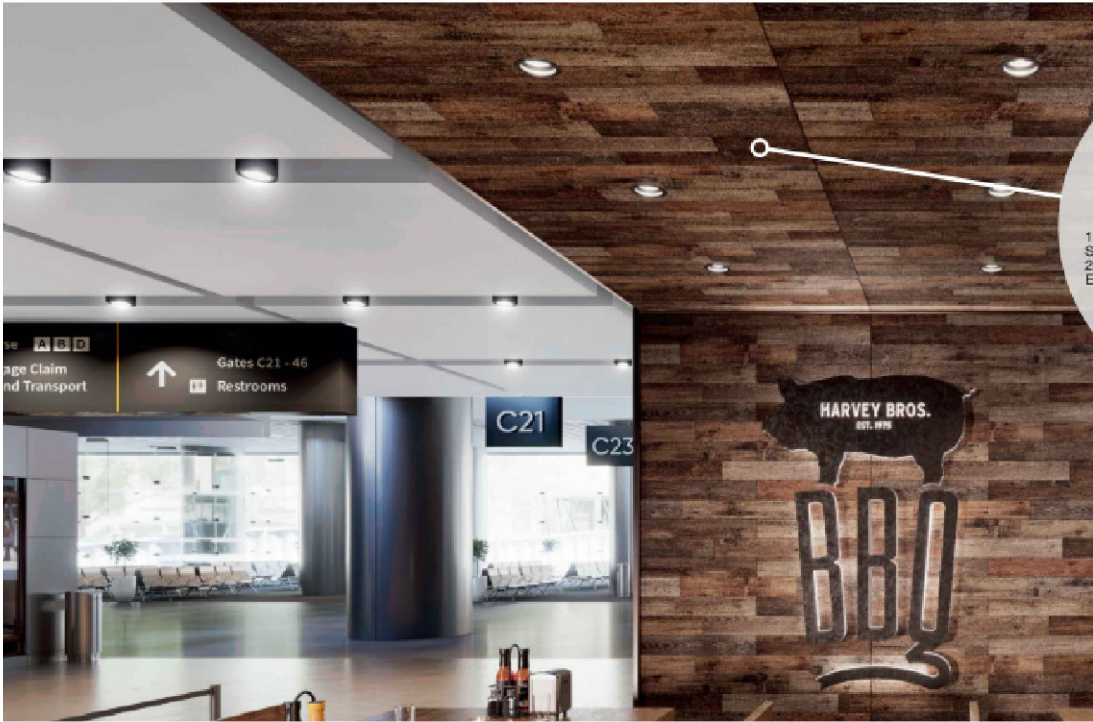
DRAWING LIST

- | | |
|------|---|
| A1.0 | SITE PLAN, OBC REQUIREMENTS, GENERAL NOTES |
| A1.1 | ABBREVIATIONS, ASSEMBLY SCHEDULE, DOOR AND ROOM FINISH SCHEDULE |
| D1.1 | PART GROUND FLOOR LEVEL DEMOLITION PLAN |
| D1.2 | PART ROOF DEMOLITION PLAN |
| A2.1 | PART GROUND FLOOR LOWER LEVEL PLAN |
| A2.2 | PART GROUND FLOOR UPPER LEVEL PLAN |
| A2.3 | PART GROUND FLOOR REFLECTED CEILING PLAN |
| A2.4 | PART ROOF PLAN |
| A4.1 | BUILDING SECTIONS |
| A6.1 | SECTION DETAILS |
| A8.1 | GYMNASIUM INTERIOR ELEVATIONS |
| A8.2 | GYMNASIUM INTERIOR ELEVATIONS |

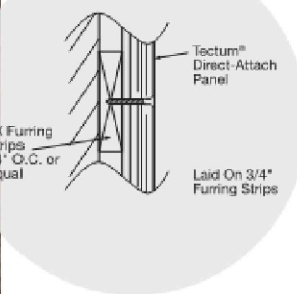


SITE PLAN 1
REFERENCE DRAWING SCALE: 1:500 A1.0

TECTUM® Create!™
Direct-Attach
Standard & Custom Ceiling Panels
coarse texture



CAD/Revit® drawings at:
armstrongceilings.com/create/



Transform interior spaces with distinctive image depth and personality on texture-rich Tectum® Create!™ Direct-Attach ceilings panels.

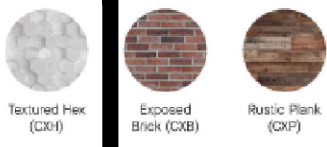
KEY SELECTION ATTRIBUTES

- Now, 1" thick Tectum Create! Direct-Attach panels are available in four standard designs, or submit your own custom artwork.
- Repeat panel patterns can span surfaces in both vertical and horizontal directions.
- Excellent sound absorption – NRC up to 0.86 (mounting method dependent).
- Panel sizes measure 24 1/4" x 48" and 48 1/4" x 48" with long and short beveled edges (No additional custom sizes available).
- Panels can be directly attached to a wide variety of interior surfaces.

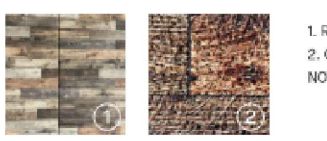
- Greatest retrofit solution for noise reduction.
- ClearKasus™ family of products includes clear flexible panels, suspension systems, and trim.
- Sustainable Beyond Standard Custom sizes in 1" thickness and all standard panels are part of the Sustain™ portfolio and meet the most stringent industry sustainability compliance standards today.
- Create your own or a kind acoustic artwork. No pre-set, contact: ada.chen@armstrongceilings.com
- Made in the U.S.A. of domestic and global content.
- Build America, Buy America (BBMA) Not compliant

STANDARD DESIGNS

Use the following to create full patterns.



DETAILS



1. Rustic Plank design on multiple Tectum Create! Direct-Attach panels viewed from greater than 1'.
 2. Close-up of Rustic Plank Tectum Create! image from Detail 1.
- NOTE: For optimal visual, product is best viewed at a distance with direct lighting. Panel face and bevel are printed, while vertical edges are painted white. Custom solid color edge painting is available upon request.

TechLine 877 276-7878
armstrongceilings.com/tectumcreate

ACOUSTIC WALL PANELS –

BY KANOPI ARMSTRONG WORLD INDUSTRIES
STYLE–TECTUM CREATE DIRECT–ATTACH,
TEXTURED HEX (CHX),
COLOUR – RAINSTORM (TRS)
MOUNTING TYPE – D20 (25mm WOOD FURRING)

Armstrong®
World Industries

ROOM FINISH SCHEDULE

LOCATION	FLOOR	WALLS	CEILING	NOTES
EXISTING GYMNASIUM	EXISTING TO REMAIN	PAINTED	PAINTED	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
EXISTING STORAGE ROOM No. 1	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
EXISTING STORAGE ROOM No. 1	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
STORAGE ROOM No. 3	EXISTING TO REMAIN	PAINTED	PAINTED	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
EXISTING OUTDOOR STORAGE	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
EXISTING CORRIDOR	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
EXISTING SERVERY	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
EXISTING BOYS SHOWER	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.
EXISTING GIRLS CHANGE ROOM	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	1. REFER TO ALL PLANS, SECTIONS, DETAILS ETC. FOR ADDITION NOTES.

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
2. REFER ALSO TO MECHANICAL AND ELECTRICAL DRAWINGS.
3. REFER TO DWGS. D1.1 FOR ALL DEMOLITION WORK TO BE COMPLETED AND NEW FINISHES TO BE APPLIED.
4. SEE ALSO TO ALL ASSEMBLY SCHEDULES ABOVE FOR ADDITIONAL COMMENTS.

ABBREVIATIONS

ACM	ALUMINUM COMPOSITE PANEL (FR) (FIRE RATED)	GB	GRAB BAR (SEE PLANS AND ELEVATIONS)	SA	SMOKE ALARM
AHU	AIR HANDLING UNIT (SEE ALSO MECHANICAL DWGS.)	GI	GROUND FAULT INTERRUPTER (ELEC)	SCD	ROOF SCUPPER DRAIN
AMP	ACOUSTIC WALL PANEL (SEE SPECS)	GY. BD.	GYPSUM BOARD	S/D	SMOKE DETECTOR
BATT	EXISTING BASEMENT WALL BATTS	HBH	HYDRONIC BASEBOARD HEATER	SHS	SHOWER HAND SET c/w 1.8m LONG HOSE AND 1680mm LONG BAMBOO MATERIAL SHOWER CURTAIN AND STAINLESS STEEL RINGS
BBH	NEW ELECTRICAL BASEBOARD HEATER	HK	HOUSEKEEPING OUTLET	SM.	SIMILAR
CEF	CEILING EXHAUST FAN	HM	HOLLOW METAL	SOFT.	SQUARE FEET
C/L	CENTRE LINE	HWT	HOT WATER TANK	sqm.	SQUARE METRES
Cd/SD	CARBON MONOXIDE/SMOKE DETECTOR	LF	LED CEILING MOUNTED LIGHT FIXTURE	STRUCT.	STRUCTURAL
CPH	CLOSET PASSAGE HANDLE (ROOM SIDE ONLY BOTH PANELS)	LF/F	LIGHT FIXTURE c/w FAN	TB	610mm LONG TOWEL BAR
CR-1	SHOWER CURTAIN ROD	LS	LOCK SET	TM	THERMOSTAT
CR-2	BATHTUB/SHOWER CURTAIN ROD (BOWED)	m	METRES	TP	TOILET PAPER HOLDER
CR-3	SHOWER CURTAIN ROD (ENCLOSURE SEE PLAN)	mm	MILLIMETRES	T/O	TOP OF
CRD	WINDOW CURTAIN ROD (SITE VERIFY LENGTH REQUIRED)	MC	MEDICINE CABINET (SEE ELEVATIONS)	TOPW	TOP OF PARAPET WALL
COL.	COLUMN (SEE ALSO STRUCTURAL DWGS.)	MECH.	MECHANICAL	TOSD	TOP OF STEEL DECK
CTLE	CERAMIC TILE	MR	MIRROR (SEE ELEVATIONS)	TS	TIMER SWITCH
DB	DEAD BOLT LOCK	OWSJ	OPEN WEB STEEL JOIST (SEE ALSO STRUCTURAL DWGS.)	TYP.	TYPICAL
EL-BB	EXISTING ELECTRICAL BASEBOARD HEATER	PHS	PASSAGE HAND SET	VT.	VENT
EF	KITCHEN HOOD EXHAUST FAN (DUCTED)	PLF	LED LOW PROFILE POT LIGHT	VVILE	VINYL TILE
ELECT.	ELECTRICAL	PS	BUILT UP WOOD POST	WFL	WALL MOUNTED LIGHT FIXTURE
EX/EXIST.	EXISTING	PV	PRIVACY HAND SET	WM	WATER METER
FD	FLOOR DRAIN (EXPD- EXISTING)	RD	ROOF DRAIN (SEE ALSO MECHANICAL DWGS.)		
FINL	FINISH/FINISHED	RH	BATHROOM (BREAK AWAY) ROBE HOOK		
FL	FLOOR	RJ	REVEAL JOINT		
FSB	WALL MOUNTED FOLD DOWN SHOWER BENCH	RSD	RELIEF SCUPPER DRAIN		
		RWL	RAIN WATER LEADER		

DOOR AND FRAME SCHEDULE

DOOR						FRAME					NOTES
	SIZE	MATERIAL	FINISH	GLASS	RATING	TYPE	MATERIAL	FINISH	GLASS	RATING	
(EX1)	EXISTING	EXISTING	PAINTED	EXISTING	EXISTING	EXISTING	EXISTING	PAINTED	PAINTED	EXISTING	SEE GENERAL NOTE 2 BELOW
(EX2)	EXISTING	EXISTING	PAINTED	EXISTING	EXISTING	EXISTING	EXISTING	PAINTED	PAINTED	EXISTING	SEE GENERAL NOTE 1 AND 2 BELOW
(D01)	1070x2550	HOLLOW METAL	PAINTED	N/A	N/A	DF1	HOLLOW METAL	PAINTED	N/A	N/A	SEE GENERAL NOTE 3, 4 AND 5 BELOW

GENERAL NOTES:

1. REMOVE EXISTING THERMAL GASKETS ALL AROUND DOOR FRAME AND REPLACE WITH NEW TO SUIT. SEE SPECIFICATIONS.
2. SCRAPE DONE EXISTING DOOR AND FRAMES TO SUIT NEW FINISH APPLICATION.
3. INSTALL NEW ANODIZED ALUM. THRESHOLD. DOOR AND FRAME TO BE INSULATED AND THERMALLY BROKEN. INSTALL A NEW GASKET ALL AROUND.
4. SEE ALSO ELECTRICAL DRAWINGS FOR PREPARATION WORK REQUIRED.
5. SEE ALSO SPECIFICATIONS FOR ALL REQUIRED HARDWARE AND DOOR CLOSURES.

DOOR AND FRAME TYPES

DOOR	FRAME
D01 – INSULATED HOLLOW METAL PAINTED	DF1 – HOLLOW METAL PAINTED

ROOF TYPES

TYPE	DESCRIPTION	NOTES
(RF1) EXIST. ROOF FRAMING	2 PLY MODIFIED BITUMEM ROOF SYSTEM ON 12.5mm EXTERIOR GRADE PROTECTION BOARD (SEE SPECS) ON RIGID POLYISO. TAPERED RIGID INSULATION (MIN. 2.0% BACK SLOPE TO ROOF DRAIN SUMP) ON 75mm POLYISO. RIGID INSULATION (RSI=0.85/m.) ON 10mil VAPOUR BARRIER (LAP ALL JOINTS MIN. 150mm AND MASTIC SEAL) ON EXISTING PRECAST CONCRETE ROOF PANELS (REPAIR ALL DAMAGES TO EXISTING CONCRETE PANELS)	POWER WASH, SAND AND SCRAPE CLEAN ALL EXISTING CONCRETE ROOF PANELS FROM ALL DEBRIS AND EXISTING MATERIALS TO SUIT NEW INSTALLATION OF ROOF SYSTEM.
(RF1A) NEW ROOF FRAMING AND DECK	2 PLY MODIFIED BITUMEM ROOF SYSTEM ON 12.5mm EXTERIOR GRADE PROTECTION BOARD (SEE SPECS) ON RIGID POLYISO. TAPERED RIGID INSULATION (MIN. 2.0% BACK SLOPE TO ROOF DRAIN SUMP OR SCUPPER DRAIN) ON 100mm POLYISO. RIGID INSULATION (RSI=0.85/m.) ON 10mil VAPOUR BARRIER (LAP ALL JOINTS MIN. 150mm AND MASTIC SEAL) ON ACOUSTIC STEEL ROOF DECK (SEE ALSO STRUCTURAL DWGS.) c/w DECK FLUTE PREFORMED ACOUSTIC MINERAL WOOL ON STEEL FRAMING (SEE ALSO STRUCTURAL DWGS.) SPRAY DRY FALL PAINT (SEE SPECS)	

FLOOR TYPES

FLOOR TYPE	DESCRIPTION	BASEBOARD	NOTES
(FL1)	EXISTING FLOOR FINISH TO REMAIN. (CONTRACTOR TO PROVIDE AND INSTALL ADEQUATE FLOOR PROTECTION THROUGHOUT THE SCOPE OF WORK AREA FROM DAMAGES DUE TO THIS CONTRACT OF WORK. REMOVAL OF THE FLOOR PROTECTION IS PERMITTED ONLY AFTER THE OVERHEAD WORK AND INSTALLATION IS COMPLETE) MAKE GOOD ALL DAMAGES TO MATCH.	100mm HIGH EPOXY PAINTED	
(FL1A)	EXISTING FLOOR FINISH TO REMAIN. (CONTRACTOR TO PROVIDE AND INSTALL ADEQUATE FLOOR PROTECTION THROUGHOUT THE SCOPE OF WORK AREA FROM DAMAGES DUE TO THIS CONTRACT OF WORK. REMOVAL OF THE FLOOR PROTECTION IS PERMITTED ONLY AFTER THE OVERHEAD WORK AND INSTALLATION IS COMPLETE) MAKE GOOD ALL DAMAGES TO MATCH.	EXISTING TO REMAIN	

CEILING TYPES

CEILING TYPE	DESCRIPTION	NOTES
(CL1) DRYWALL	12.7mm GYPSUM BOARD ON METAL FURRING CARRYING CHANNELS ON 65mm STEEL STUDS AT 400mm o.c. PAINT FINISH c/w 2 COATS PRIMER AND MIN. 2 COATS PAINT (SEE SPECS)	
(CL2) EXPOSED	SPRAY APPLIED DRY FALL PAINT FINISH ON EXPOSED STEEL STRUCTURE AND DECK (SEE ALSO STRUCT. DWGS.) (ALL MECHANICAL AND ELECTRICAL SERVICES TO BE PAINTED WITH THE EXCEPTION OF LIFE SAFETY DEVICES, LOUVRES, GRILLES AND LIGHT FIXTURES.)	
(CL3) EXPOSED	EXISTING ROOF FRAMING STRUCTURE TO REMAIN (SEE ALSO STRUCT. DWGS.) EXISTING FINISHES TO REMAIN. TOUCH UP PAINTED AREAS WHERE MISSING TO MATCH EXISTING.	

WALL, PARTITION AND FURRING TYPES

TYPE	DESCRIPTION	NOTES
(EX1) EXIST. EXTERIOR WALL / PARTITION	EXISTING EXTERIOR WALL ASSEMBLY TO REMAIN. PATCH AND REPAIR ALL DAMAGED AND MISSING INTERIOR BLOCK TO MATCH EXISTING. (SEE ALSO STRUCT. DWGS.) PAINT FINISH ALL NEW INSERTED AND NEW BLOCK OR CONCRETE TO MATCH EXISTING SURROUNDING FINISHES. (SITE VERIFY EXTENT OF WORK TO BE COMPLETED)	POWER WASH, SAND AND SCRAPE CLEAN ALL EXISTING CONCRETE WALLS AND PATCH WHERE REQUIRED)
(W1) NEW WORK ON EXTERIOR WALL	NEW ALUMINUM COMPOSITE METAL PANEL SYSTEM (ACM) c/w FR RATED CORE c/w ALL REQUIRED GIRTS AND EXTENDED GIRT SYSTEM TO SUIT (WHERE REQUIRED) ON 75mm MINERAL WOOL BATT INSULATION (RSI=0.76/m. ON SELF-ADHERED AIR VAPOUR BARRIER MEMBRANE ON NEW 190mm CONCRETE BLOCK WHERE EXISTING BRICK CLADDING IS REMOVED, MAKE GOOD ALL DAMAGES TO THE CONCRETE BLOCK TO SUIT THE AIR / VAPOUR BARRIER MANUFACTURER'S REQUIREMENTS (SEE ALSO SPECS) PAINT FINISH INTERIOR BLOCK (SEE SPECS)	SEE ALSO STRUCTURAL DRAWINGS FOR LINTEL REQUIREMENTS. SEE ALSO DETAIL 6/A7.1)
(P1) NEW INTERIOR CONCRETE BLOCK	190mm CONCRETE BLOCK c/w MASONRY TIES TO EXISTING JAMB CONCRETE BLOCK (SEE ALSO STRUCTURAL DRAWINGS) PAINT FINISH BOTH SIDES (SEE SPECS)	SEE EXTERIOR ELEVATION FOR NOTES REGARDING ACM REVEAL JOINTS (TYPICAL)
(P2) NEW INTERIOR STEEL STUDS	1 LAYER 15.9mm TYPE "X" GY.BD. ON 1 LAYER 15.9mm ABUSE RESISTANT GY. BD. (GYMNASIUM SIDE) ON 152mm STRUCTURAL STEEL STUDS AT 405mm o.c. 1 LAYER 15.9mm TYPE "X" GY. BD. (STORAGE ROOM 3 SIDE) PAINT FINISH ALL EXPOSED GY.BD. TO MATCH ADJACENT SURFACES	SEE ALSO STRUCTURAL DRAWINGS FOR LINTEL REQUIREMENTS.

Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

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Revision Record

No.	Description	Date (m/d/y)

B ISSUED FOR TENDER MAY 01 26

A ISSUED FOR BUILDING PERMIT APR 17 26

No.	Description	Date (m/d/y)
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Issue Record

General Notes:



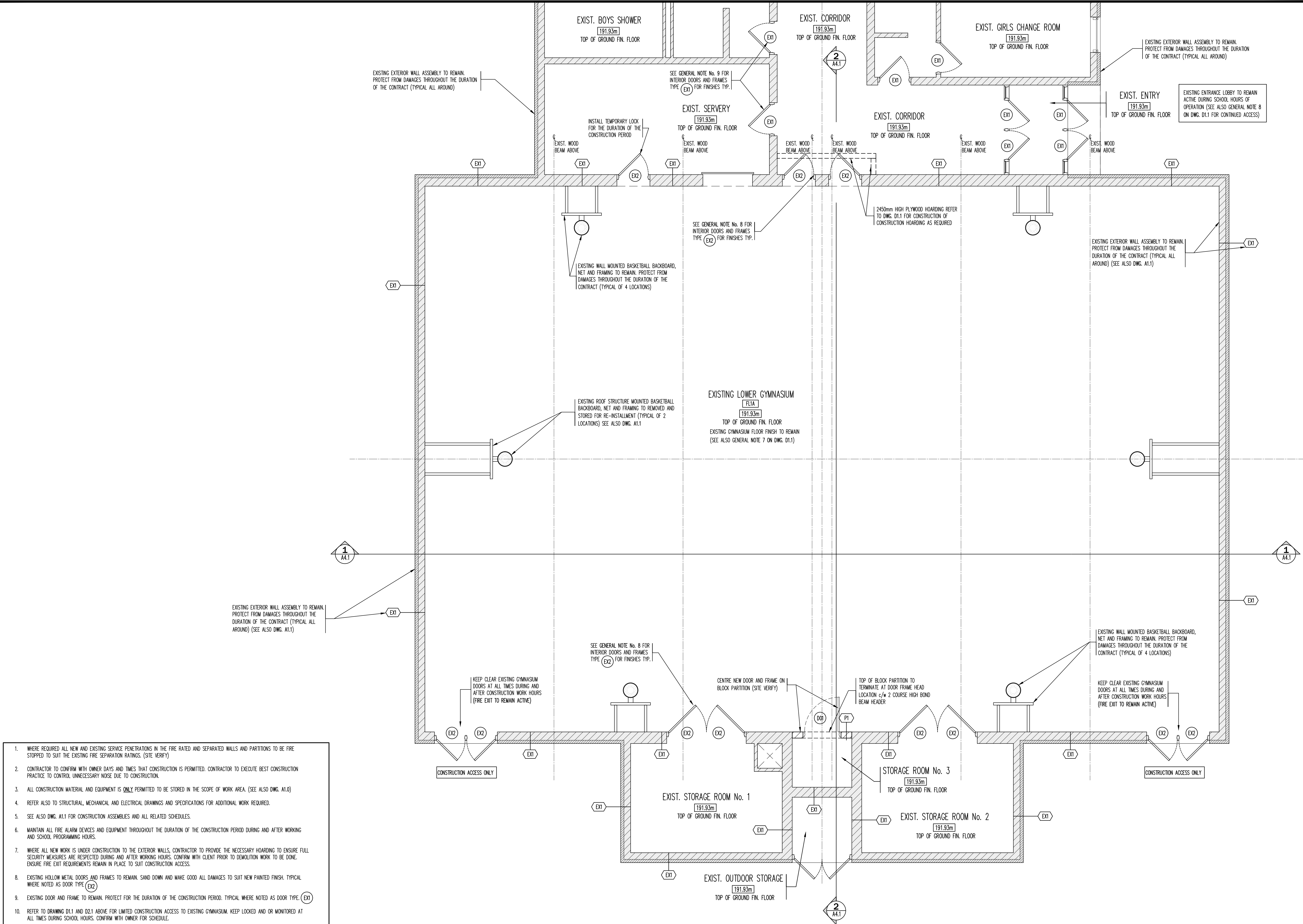
ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

Date: MARCH 2026
Drawn By: GD
Chkd By: GL
Scale: AS NOTED

Drawing title:
**ABBREVIATIONS
ASSEMBLY SCHEDULE
ROOM FINISH
SCHEDULE**

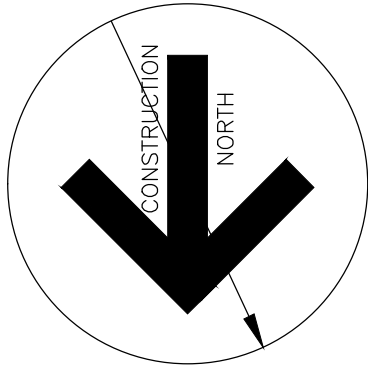
Project No.: 26032(C)
Drawing No.: A1.1
Rev.: B
Plot Date:



- WHERE REQUIRED ALL NEW AND EXISTING SERVICE PENETRATIONS IN THE FIRE RATED AND SEPARATED WALLS AND PARTITIONS TO BE FIRE STOPPED TO SUIT THE EXISTING FIRE SEPARATION RATINGS. (SITE VERIFY)
- CONTRACTOR TO CONFIRM WITH OWNER DAYS AND TIMES THAT CONSTRUCTION IS PERMITTED. CONTRACTOR TO EXECUTE BEST CONSTRUCTION PRACTICE TO CONTROL UNNECESSARY NOISE DUE TO CONSTRUCTION.
- ALL CONSTRUCTION MATERIAL AND EQUIPMENT IS **ONLY** PERMITTED TO BE STORED IN THE SCOPE OF WORK AREA. (SEE ALSO DWG. A1.0)
- REFER ALSO TO STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORK REQUIRED.
- SEE ALSO DWG. A1.1 FOR CONSTRUCTION ASSEMBLIES AND ALL RELATED SCHEDULES.
- MAINTAIN ALL FIRE ALARM DEVICES AND EQUIPMENT THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD DURING AND AFTER WORKING AND SCHOOL PROGRAMMING HOURS.
- WHERE ALL NEW WORK IS UNDER CONSTRUCTION TO THE EXTERIOR WALLS, CONTRACTOR TO PROVIDE THE NECESSARY HOARDING TO ENSURE FULL SECURITY MEASURES ARE RESPECTED DURING AND AFTER WORKING HOURS. CONFIRM WITH CLIENT PRIOR TO DEMOLITION WORK TO BE DONE. ENSURE FIRE EXIT REQUIREMENTS REMAIN IN PLACE TO SUIT CONSTRUCTION ACCESS.
- EXISTING HOLLOW METAL DOORS AND FRAMES TO REMAIN. SAND DOWN AND MAKE GOOD ALL DAMAGES TO SUIT NEW PAINTED FINISH. TYPICAL WHERE NOTED AS DOOR TYPE **(EX2)**
- EXISTING DOOR AND FRAME TO REMAIN. PROTECT FOR THE DURATION OF THE CONSTRUCTION PERIOD. TYPICAL WHERE NOTED AS DOOR TYPE **(EX1)**
- REFER TO DRAWING D1.1 AND D2.1 ABOVE FOR LIMITED CONSTRUCTION ACCESS TO EXISTING GYMNASIUM. KEEP LOCKED AND OR MONITORED AT ALL TIMES DURING SCHOOL HOURS. CONFIRM WITH OWNER FOR SCHEDULE.

GROUND FLOOR LOWER LEVEL GENERAL NOTES **2**
REFERENCE DRAWING SCALE: NTS **A2.1**

PART GROUND FLOOR LOWER LEVEL PLAN **1**
REFERENCE DRAWING SCALE: 1:50 **A2.1**



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Revision Record

No.	Description	Date (m/d/y)
B	ISSUED FOR TENDER	MAY 01 26
A	ISSUED FOR BUILDING PERMIT	APR 17 26
No.	Description	Date (m/d/y)

Issue Record

General Notes:

LANHACK Steelcon Inc.
Consulting Engineers
1709 Upper James Street
Hamilton, ON L9B 1K7
Tel: (905) 777-1454
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ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

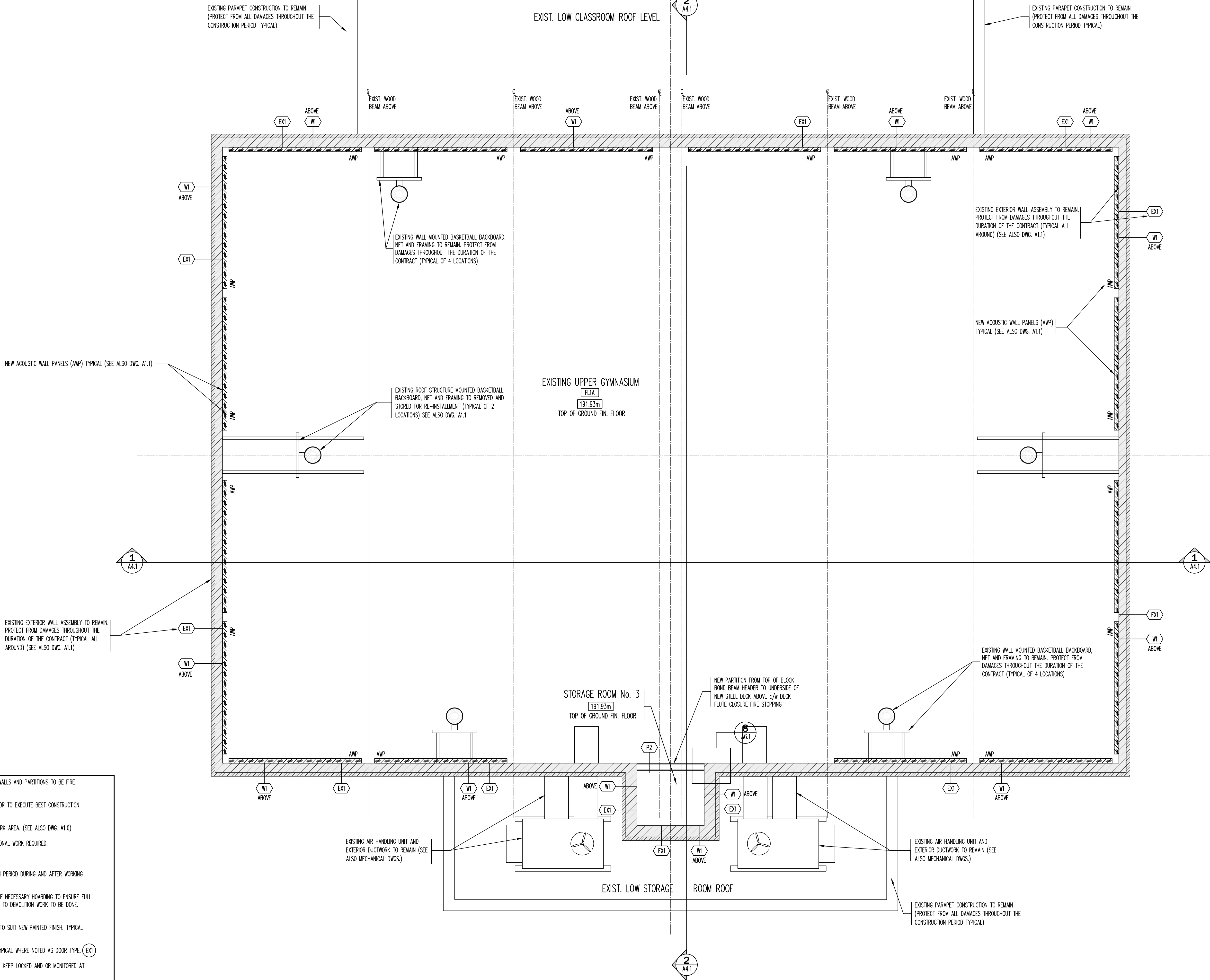
Date: MARCH 2026
Drawn By: GD
Chkd By: GL
Scale: AS NOTED

Drawing title:
PART GROUND FLOOR LOWER LEVEL PLAN

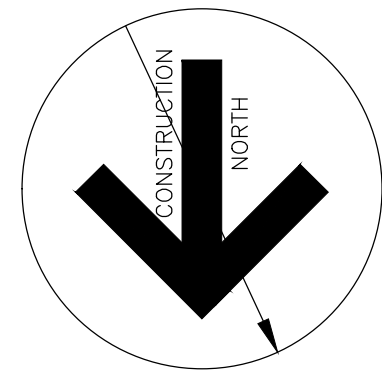
Project No.: 26032(C) Drawing No.: A2.1 Rev.: B
Plot Date:

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- CONTRACTOR TO CONFIRM WITH OWNER DAYS AND TIMES THAT CONSTRUCTION IS PERMITTED. CONTRACTOR TO EXECUTE BEST CONSTRUCTION PRACTICE TO CONTROL UNNECESSARY NOISE DUE TO CONSTRUCTION.
- ALL CONSTRUCTION MATERIAL AND EQUIPMENT IS ONLY PERMITTED TO BE STORED IN THE SCOPE OF WORK AREA. (SEE ALSO DWG. A1.0)
- REFER ALSO TO STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORK REQUIRED.
- SEE ALSO DWG. A1.1 FOR CONSTRUCTION ASSEMBLIES AND ALL RELATED SCHEDULES.
- MAINTAIN ALL FIRE ALARM DEVICES AND EQUIPMENT THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD DURING AND AFTER WORKING AND SCHOOL PROGRAMMING HOURS.
- WHERE ALL NEW WORK IS UNDER CONSTRUCTION TO THE EXTERIOR WALLS, CONTRACTOR TO PROVIDE THE NECESSARY HOARDING TO ENSURE FULL SECURITY MEASURES ARE RESPECTED DURING AND AFTER WORKING HOURS. CONFIRM WITH CLIENT PRIOR TO DEMOLITION WORK TO BE DONE. ENSURE FIRE EXT REQUIREMENTS REMAIN IN PLACE TO SUIT CONSTRUCTION ACCESS.
- EXISTING HOLLOW METAL DOORS AND FRAMES TO REMAIN. SAND DOWN AND MAKE GOOD ALL DAMAGES TO SUIT NEW PAINTED FINISH. TYPICAL WHERE NOTED AS DOOR TYPE (EX2)
- EXISTING DOOR AND FRAME TO REMAIN. PROTECT FOR THE DURATION OF THE CONSTRUCTION PERIOD. TYPICAL WHERE NOTED AS DOOR TYPE. (EX1)
- REFER TO DRAWING D1.1 AND D2.1 ABOVE FOR LIMITED CONSTRUCTION ACCESS TO EXISTING GYMNASIUM. KEEP LOCKED AND OR MONITORED AT ALL TIMES DURING SCHOOL HOURS. CONFIRM WITH OWNER FOR SCHEDULE.

GROUND FLOOR UPPER LEVEL GENERAL NOTES **2**
A2.2
REFERENCE DRAWING SCALE: NTS



PART GROUND FLOOR UPPER LEVEL PLAN **1**
A2.2
REFERENCE DRAWING SCALE: 1:50



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LANHACK Steelcon Inc.
Consulting Engineers
1709 Upper James Street
Hamilton, ON L9B 1K7
Tel: (905) 777-1454
Fax: (905) 336-8142



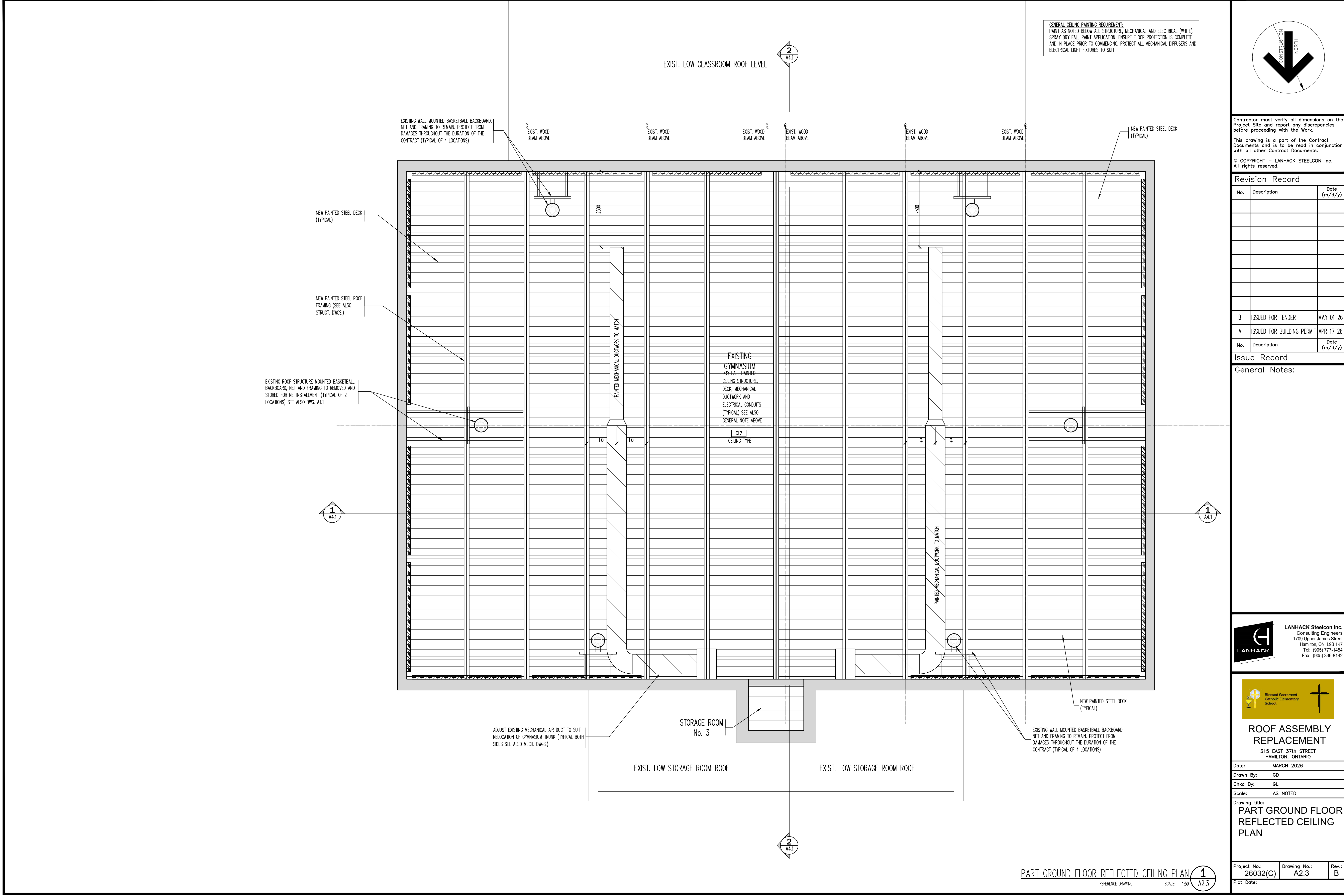
ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

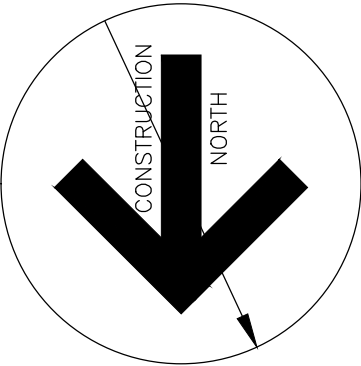
Date: MARCH 2026
Drawn By: GD
Chkd By: GL
Scale: AS NOTED

Drawing title:
**PART GROUND FLOOR
UPPER LEVEL PLAN**

Project No.: 26032(C) Drawing No.: A2.2 Rev.: B
Plot Date:



GENERAL CEILING PAINTING REQUIREMENT:
PAINT AS NOTED BELOW ALL STRUCTURE, MECHANICAL AND ELECTRICAL (WHITE).
SPRAY DRY FALL PAINT APPLICATION. ENSURE FLOOR PROTECTION IS COMPLETE
AND IN PLACE PRIOR TO COMMENCING. PROTECT ALL MECHANICAL DIFFUSERS AND
ELECTRICAL LIGHT FIXTURES TO SUIT



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Revision Record

No.	Description	Date (m/d/y)
B	ISSUED FOR TENDER	MAY 01 26
A	ISSUED FOR BUILDING PERMIT	APR 17 26
No.	Description	Date (m/d/y)

Issue Record

General Notes:

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ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

Date: MARCH 2026
Drawn By: GD
Chkd By: GL
Scale: AS NOTED

Drawing title:
**PART GROUND FLOOR
REFLECTED CEILING
PLAN**

Project No.: 26032(C) Drawing No.: A2.3 Rev.: B
Plot Date:

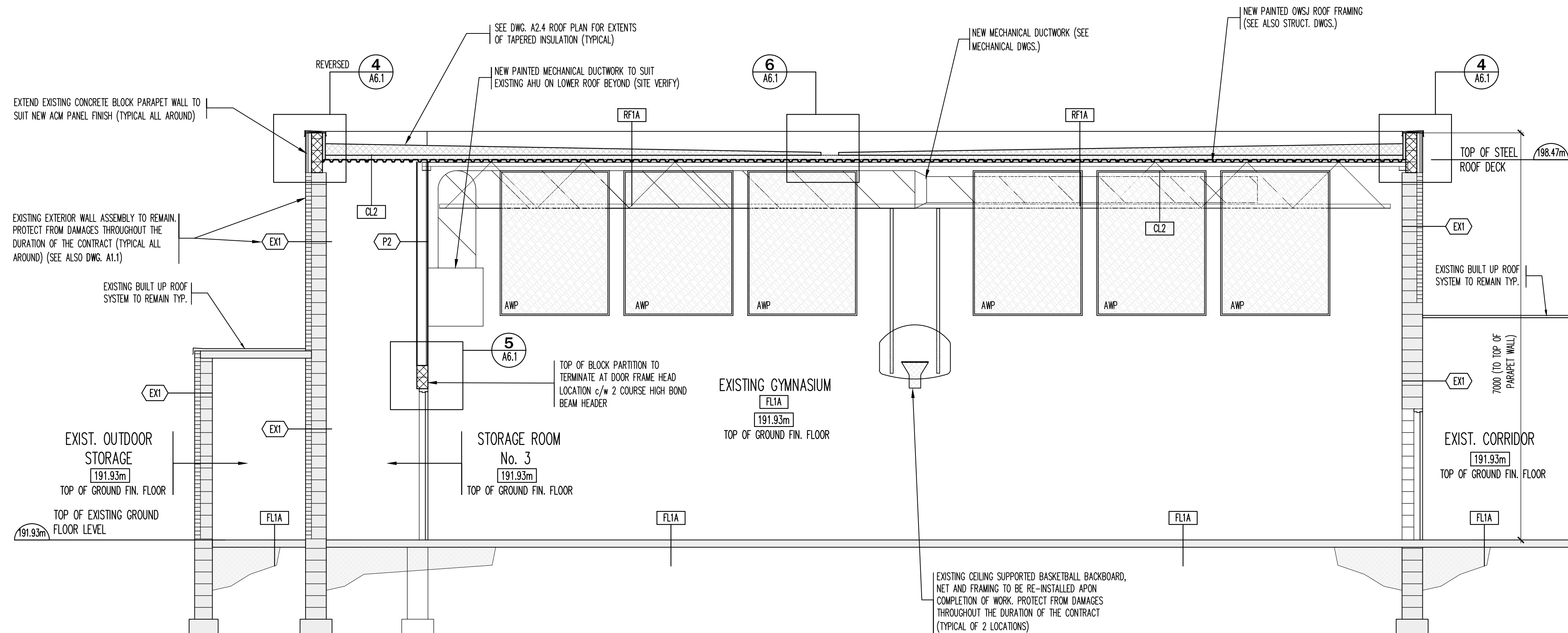
PART GROUND FLOOR REFLECTED CEILING PLAN

REFERENCE DRAWING

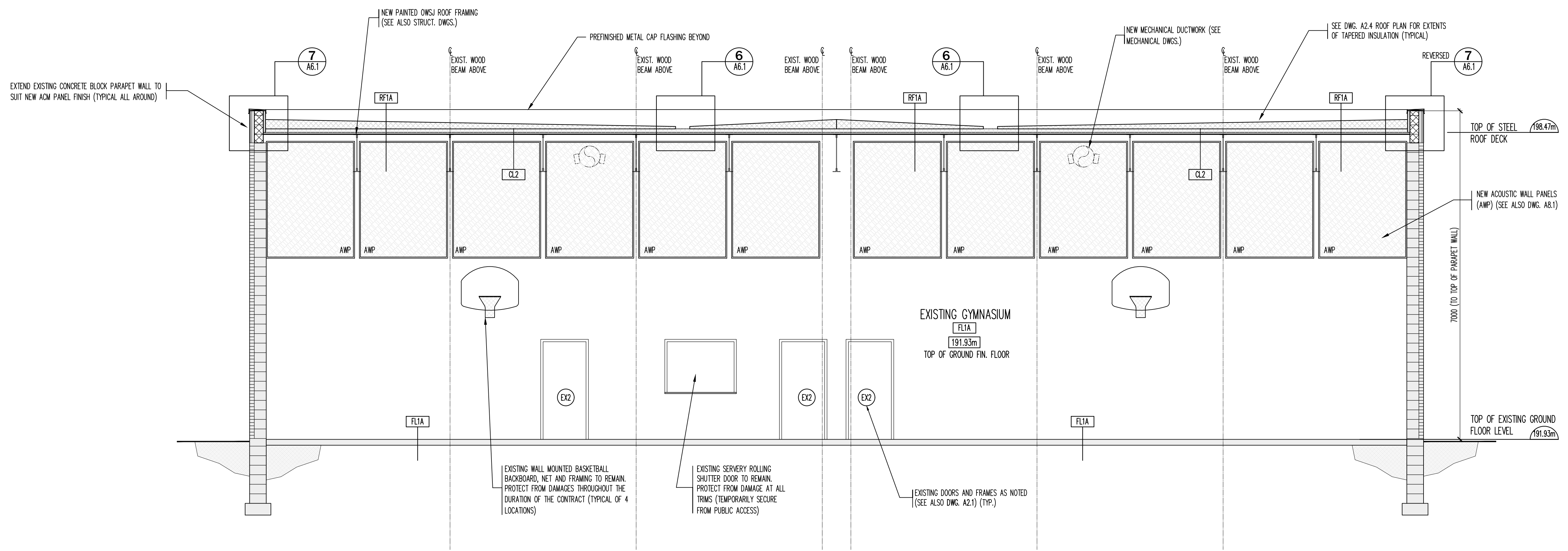
SCALE: 1:50

1 A2.3





BUILDING SECTION 2
REFERENCE DRAWING A2.1 SCALE: 1:50 A4.1



BUILDING SECTION 1
REFERENCE DRAWING A2.1 SCALE: 1:50 A4.1

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Revision Record

No.	Description	Date (m/d/y)

B ISSUED FOR TENDER MAY 01 26

A ISSUED FOR BUILDING PERMIT APR 17 26

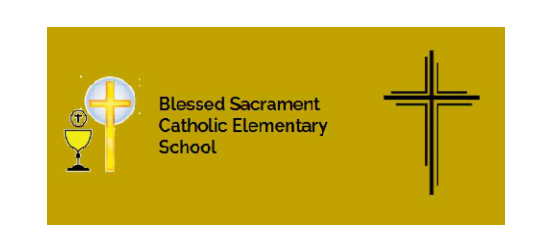
No.	Description	Date (m/d/y)
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Issue Record

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Blissed Sacrament
Catholic Elementary
School

ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

Date: MARCH 2026

Drawn By: GD

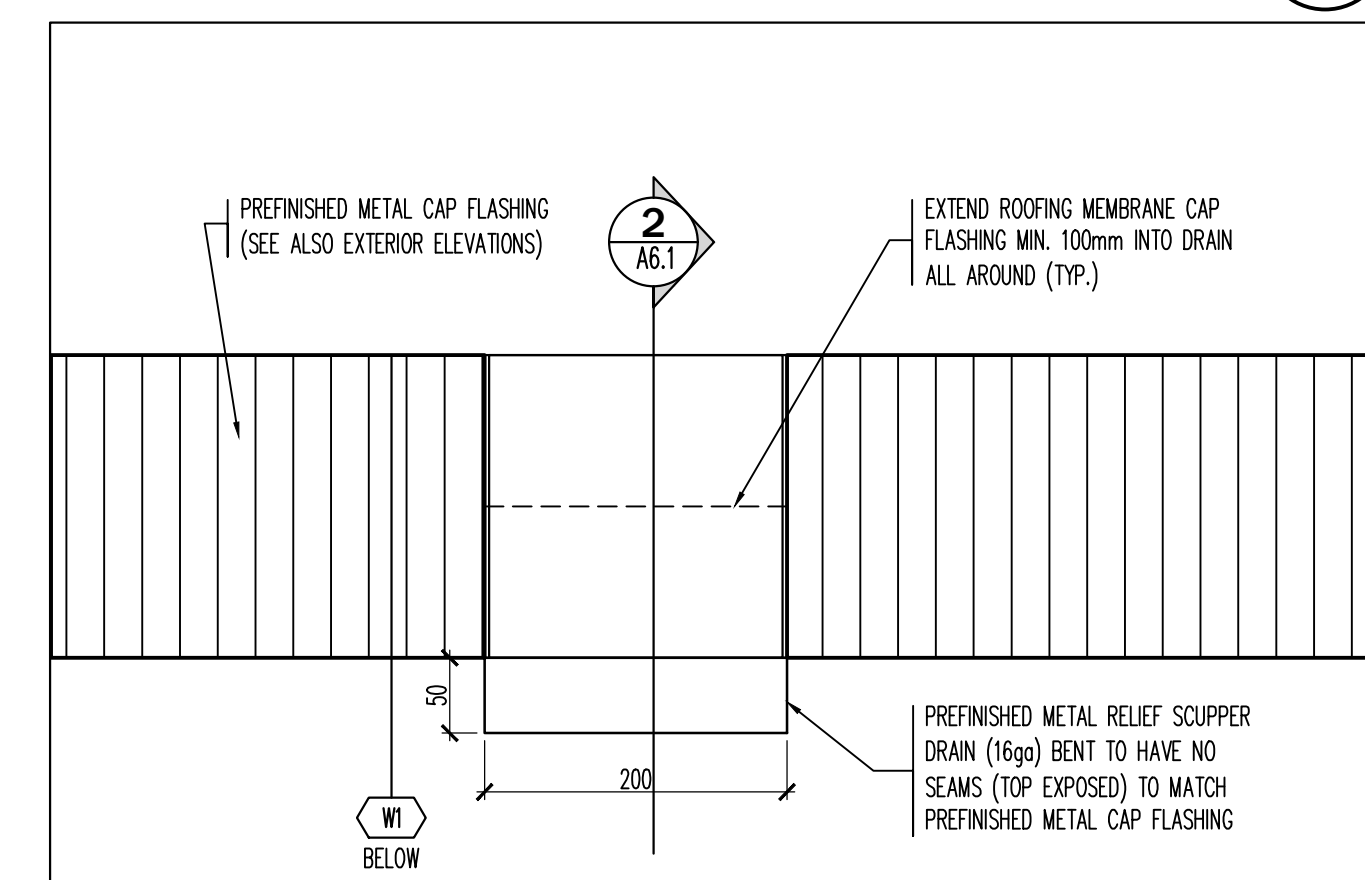
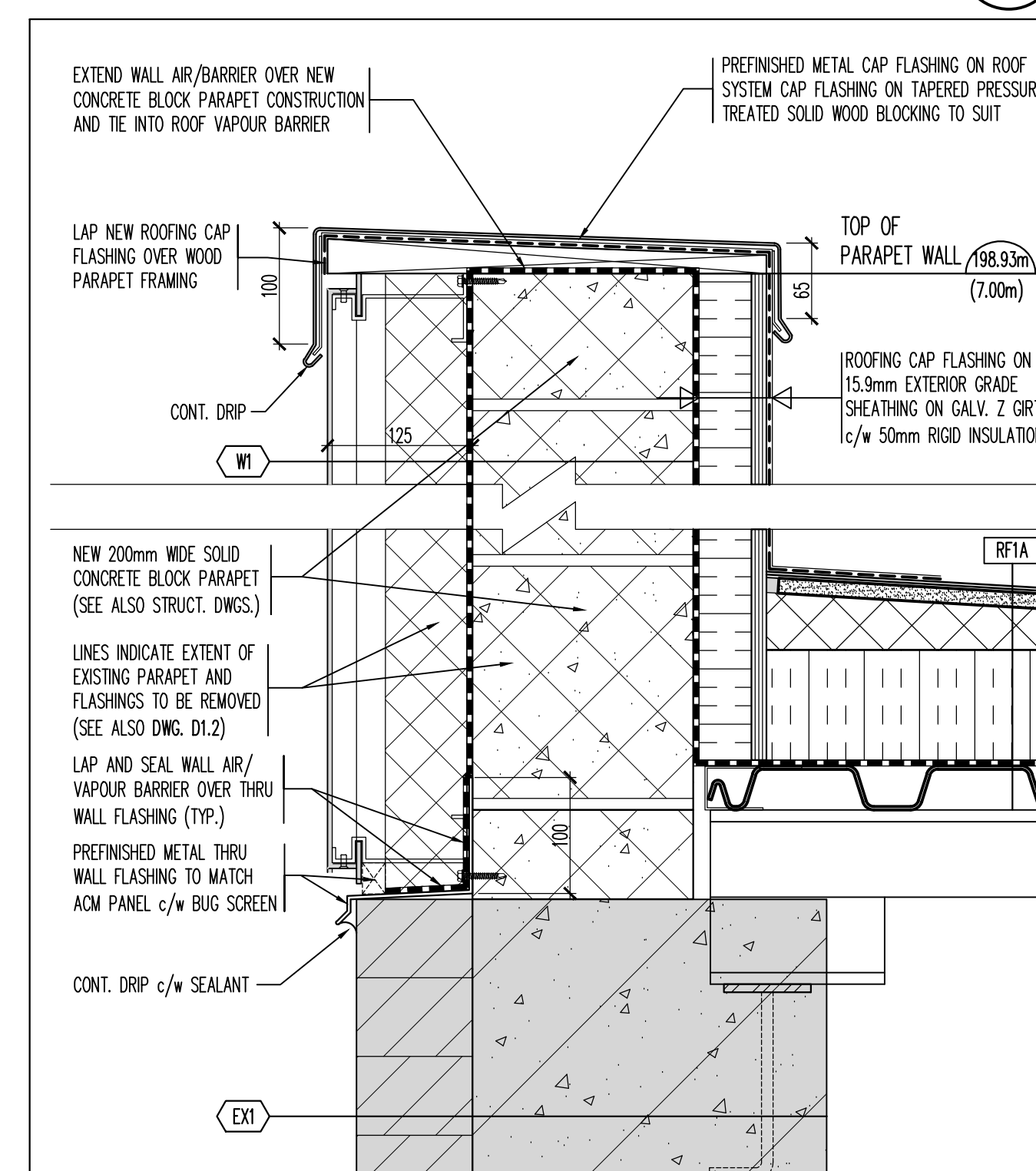
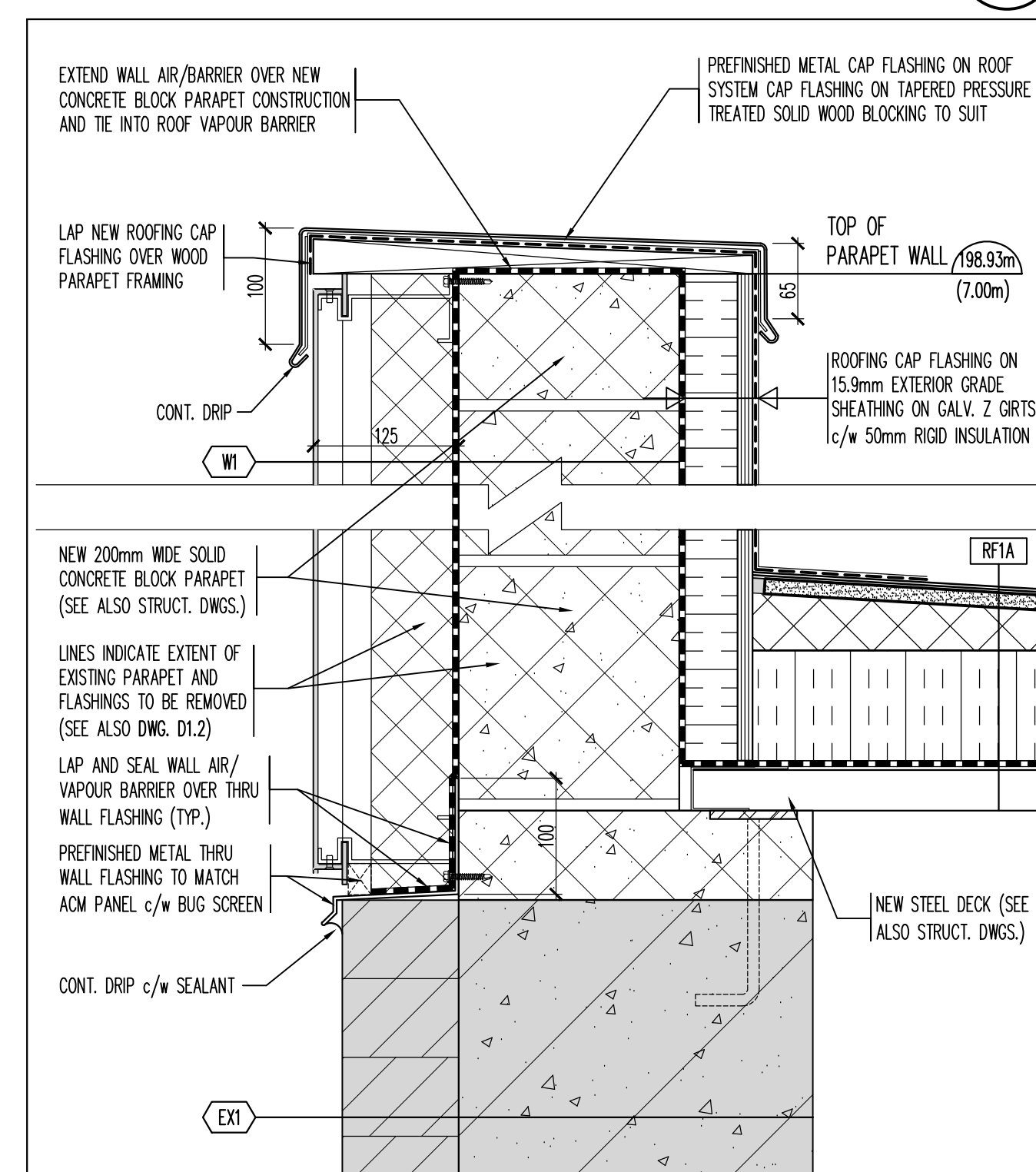
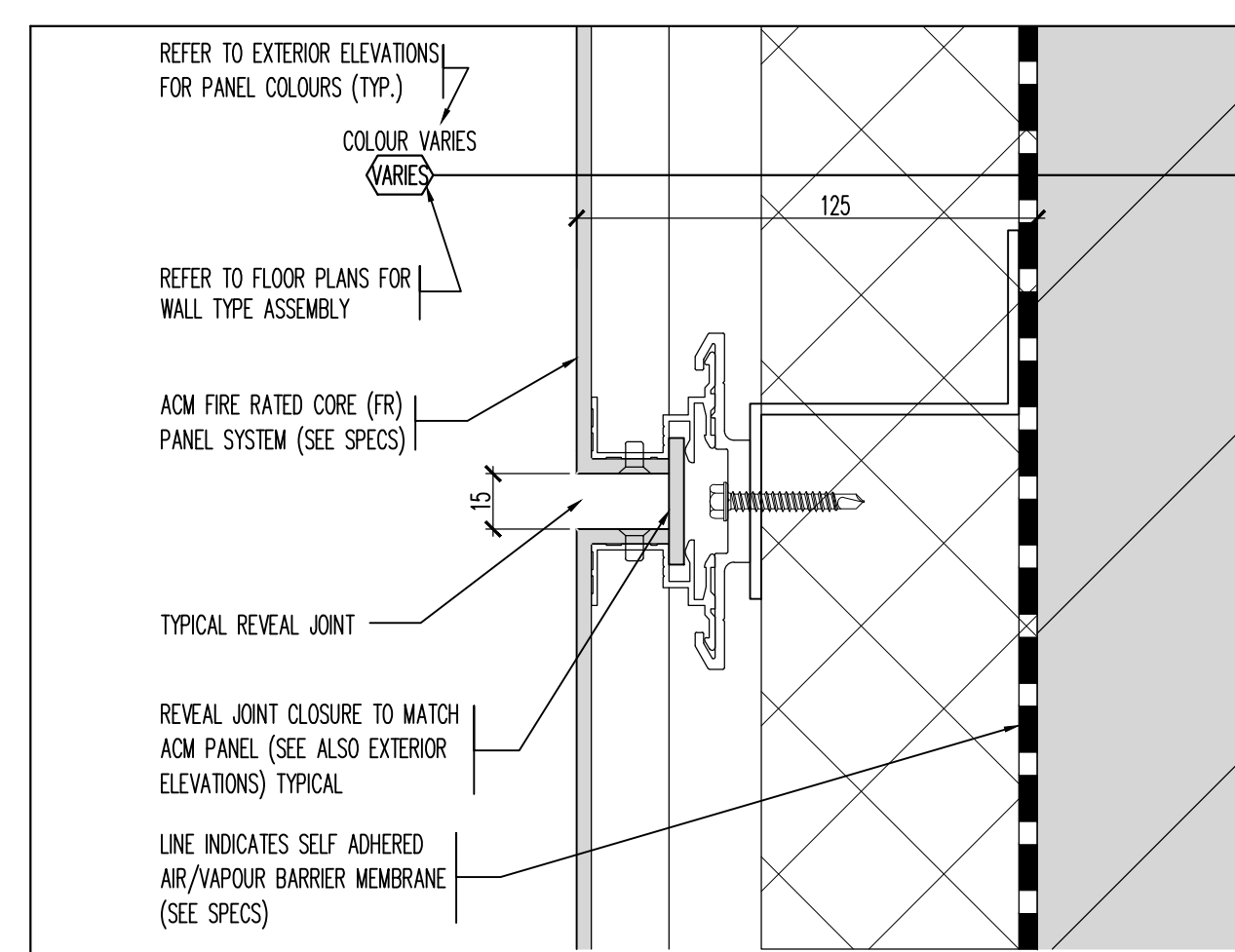
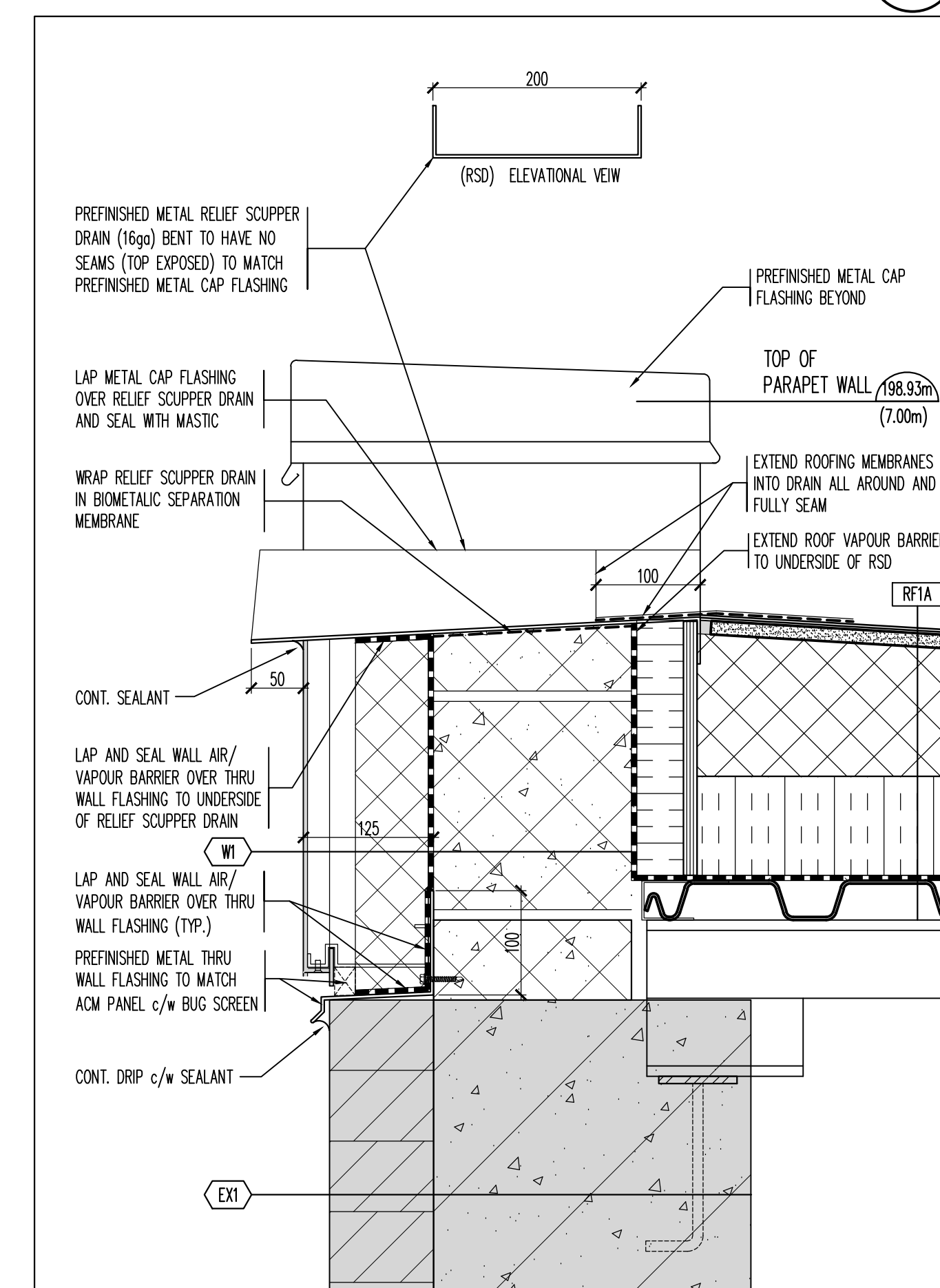
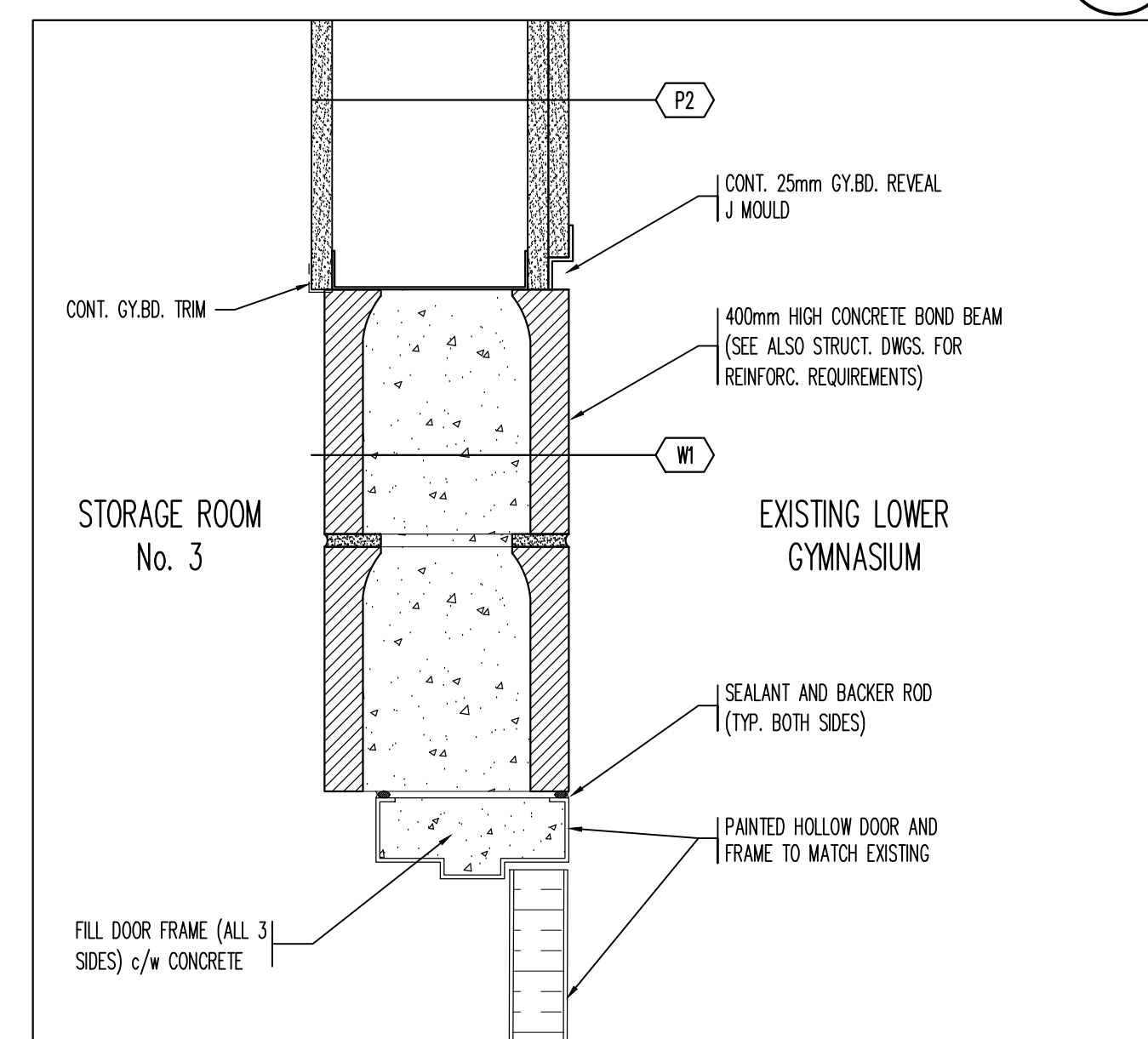
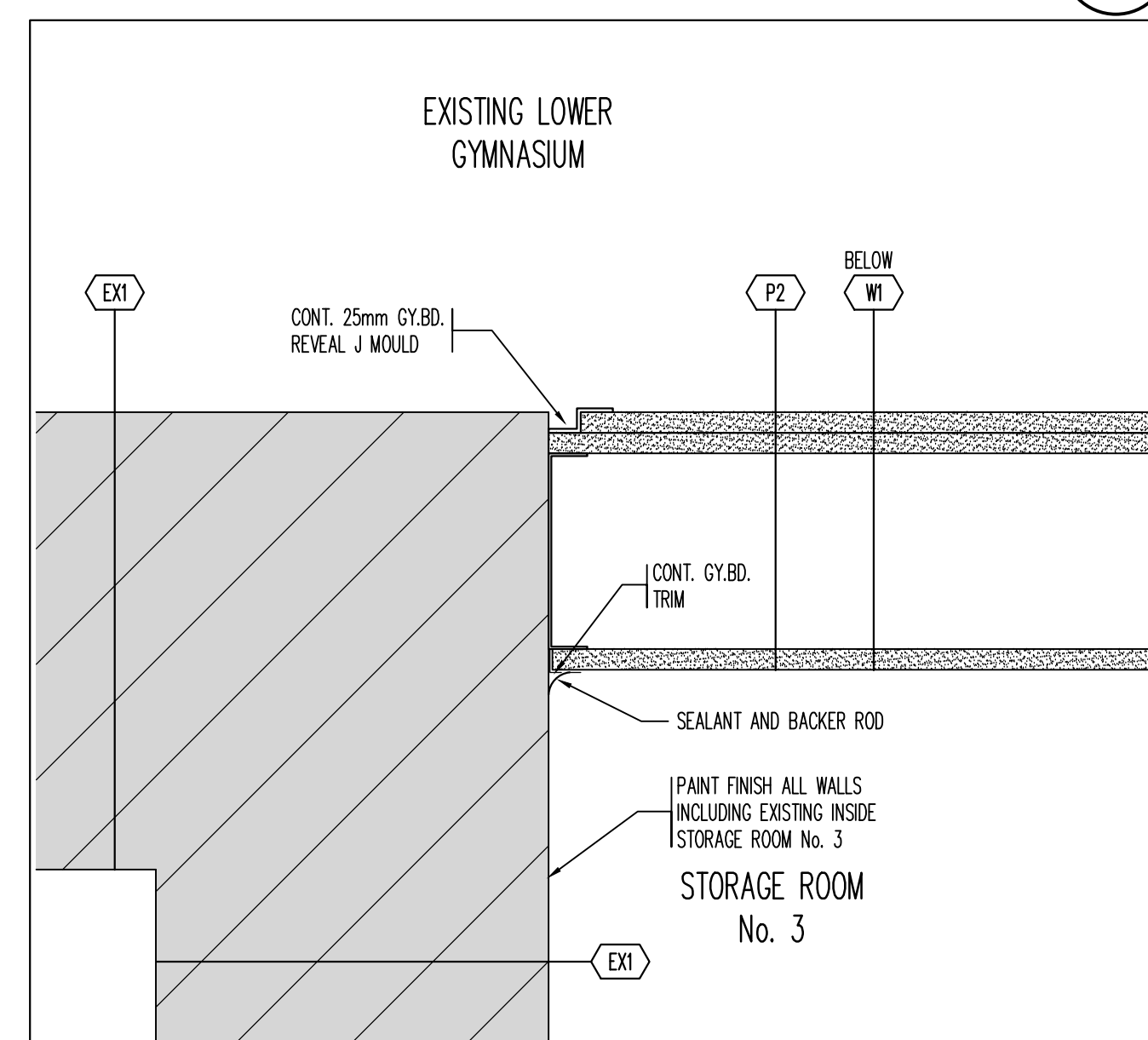
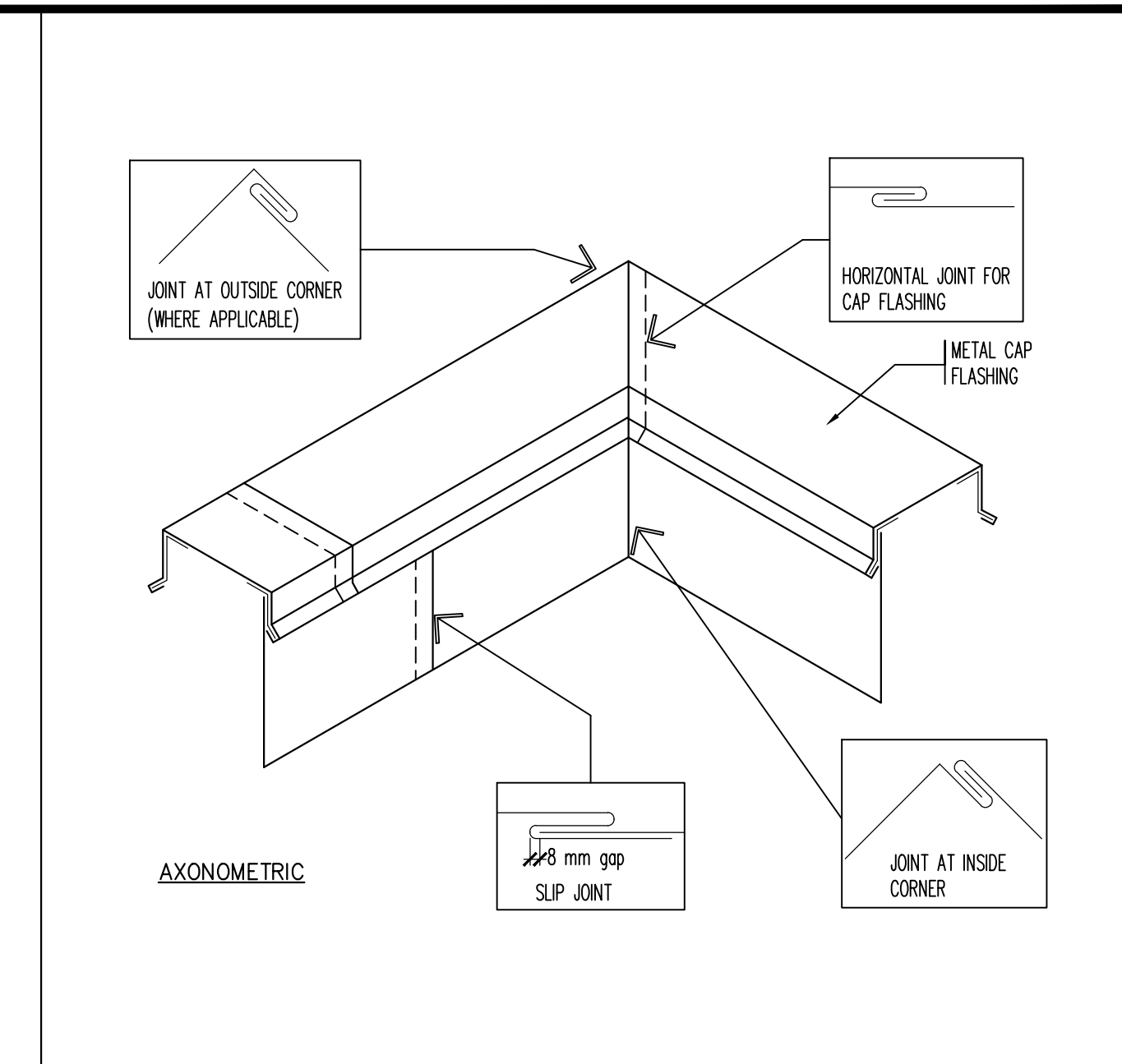
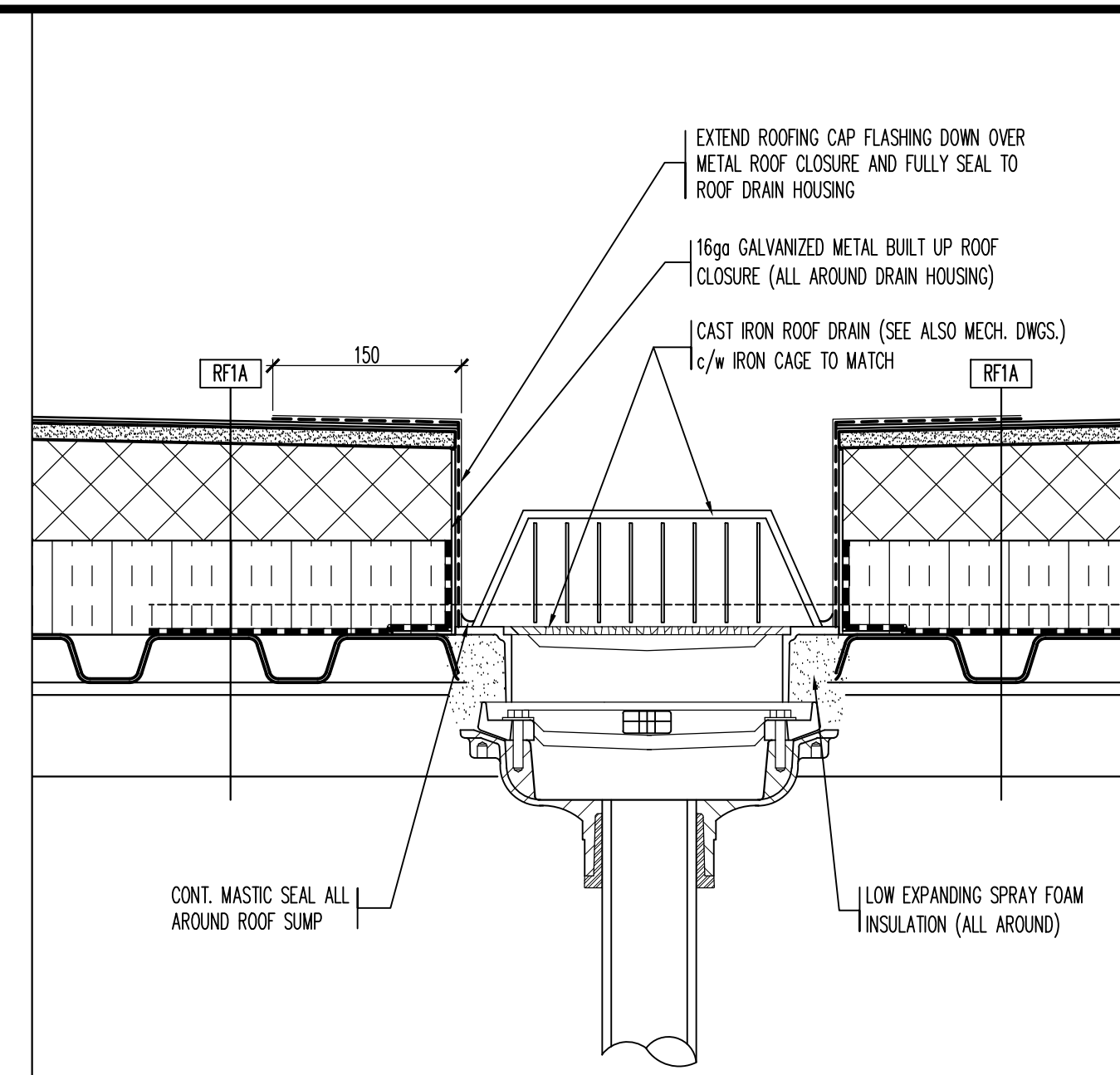
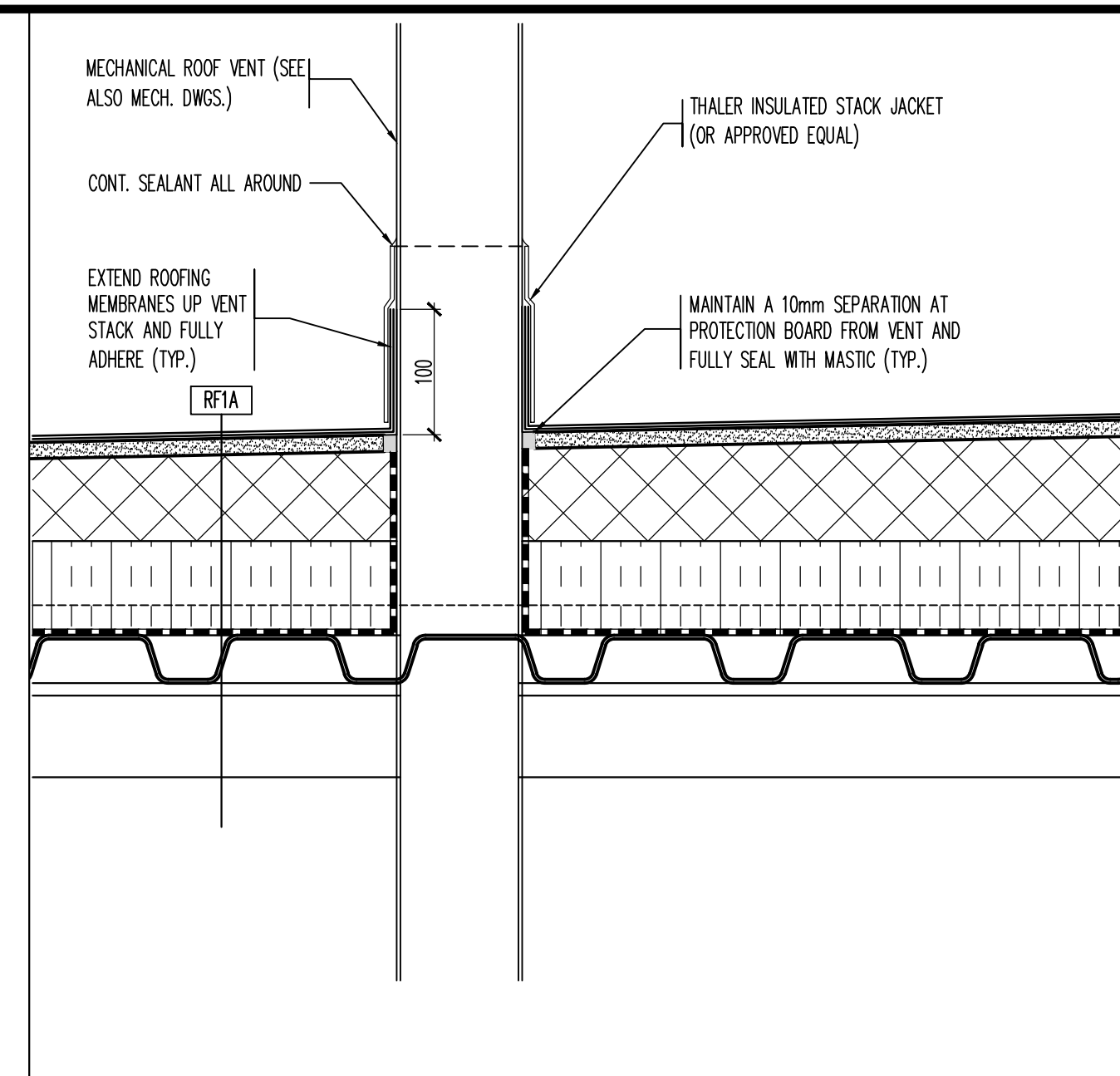
Chkd By: GL

Scale: AS NOTED

Drawing title:
BUILDING SECTIONS

Project No.: 26032(C)	Drawing No.: A4.1	Rev.: B
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Plot Date:



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Revision Record

[illegible]

B	ISSUED FOR TENDER	MAY 01 26
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A	ISSUED FOR BUILDING PERMIT	APR 17 26
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No.	Description	Date (m/d/y)
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Issue Record

General Notes:

[illegible]

ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

Date:	MARCH 2026
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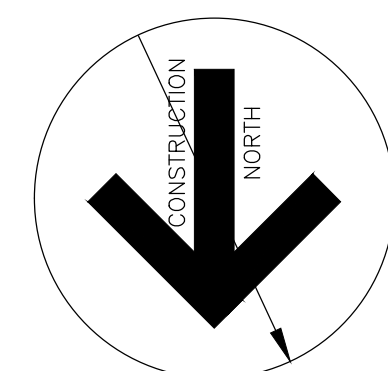
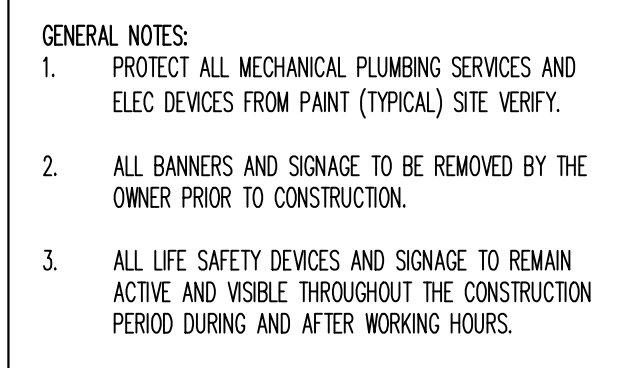
Drawn By:	GD
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Chkd By:	GL
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Scale:	AS NOTED
Drawing title:	

SECTION DETAILS

Project No.: 26032(C)	Drawing No.: A6.1	Rev.: B
Plot Date:		



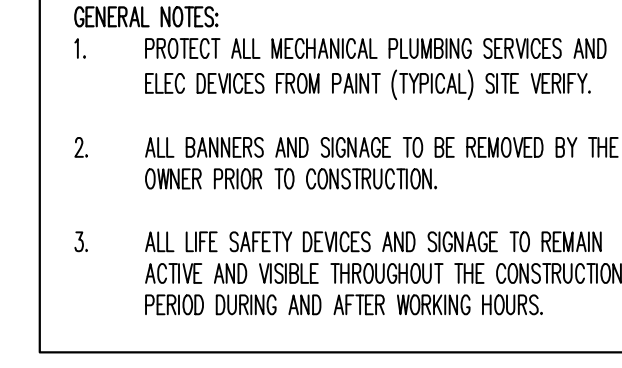
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2	ISSUED FOR TENDER	APR 17 26
1	ISSUED FOR BUILDING PERMIT	APR 17 26
No.	Description	Date (m/d/y)

General Notes:

SOUTH GYMNASIUM INTERIOR ELEVATION 2
REFERENCE DRAWING SCALE: 1:50 A8.1



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Catholic Elementary
School

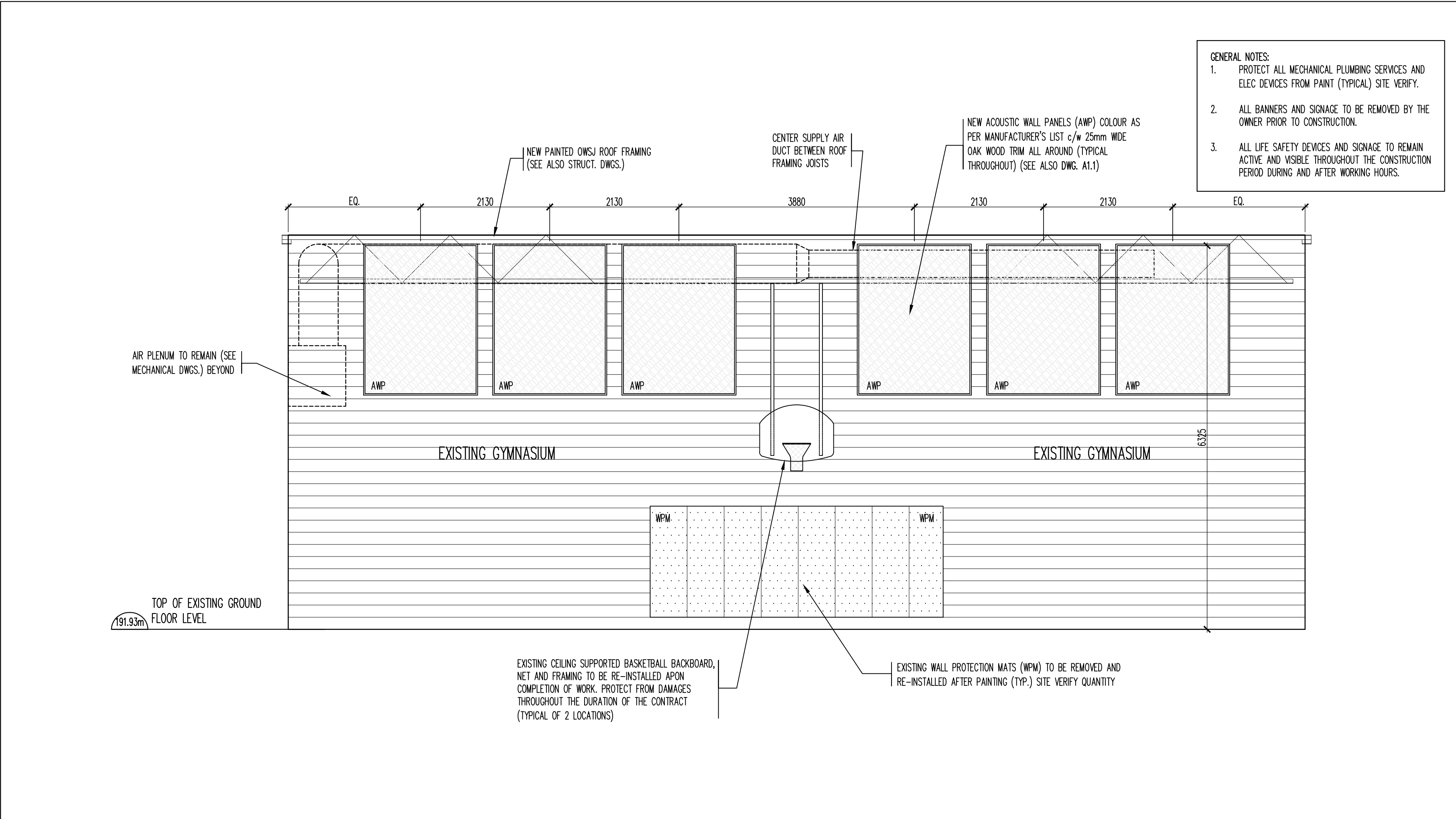


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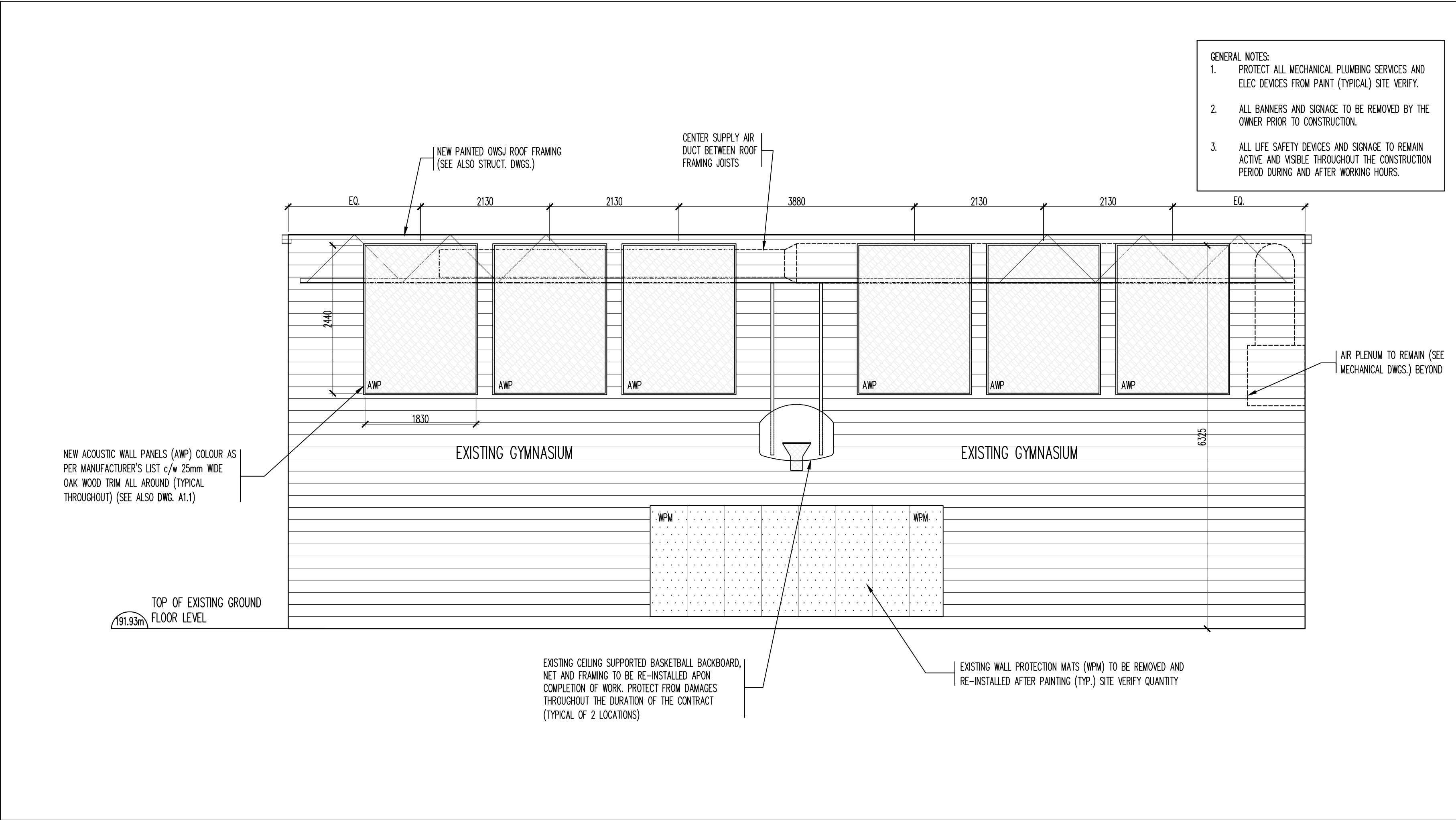
Drawing title:
INTERIOR GYMNASIUM
ELEVATIONS

Project No.: 26032(C)	Drawing No.: A8.1	Rev.: B
Plot Date:		

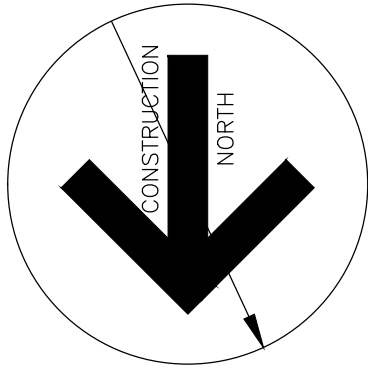
NORTH GYMNASIUM INTERIOR ELEVATION **1**



EAST GYMNASIUM INTERIOR ELEVATION **2**
REFERENCE DRAWING SCALE: 1:50 A8.2



WEST GYMNASIUM INTERIOR ELEVATION **1**
REFERENCE DRAWING SCALE: 1:50 A8.2



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Revision Record

No.	Description	Date (m/d/y)

B ISSUED FOR TENDER MAY 01 26

A ISSUED FOR BUILDING PERMIT APR 17 26

No.	Description	Date (m/d/y)

Issue Record

General Notes:



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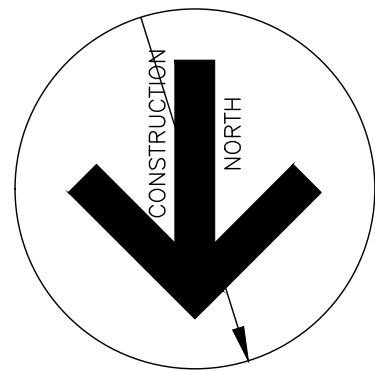


ROOF ASSEMBLY REPLACEMENT
315 EAST 37th STREET
HAMILTON, ONTARIO

Date:	MARCH 2026
Drawn By:	GD
Chkd By:	GL
Scale:	AS NOTED

Drawing title:
INTERIOR GYMNASIUM ELEVATIONS

Project No.:	Drawing No.:	Rev.:
26032(C)	A8.2	B
Plot Date:		



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Revision Record

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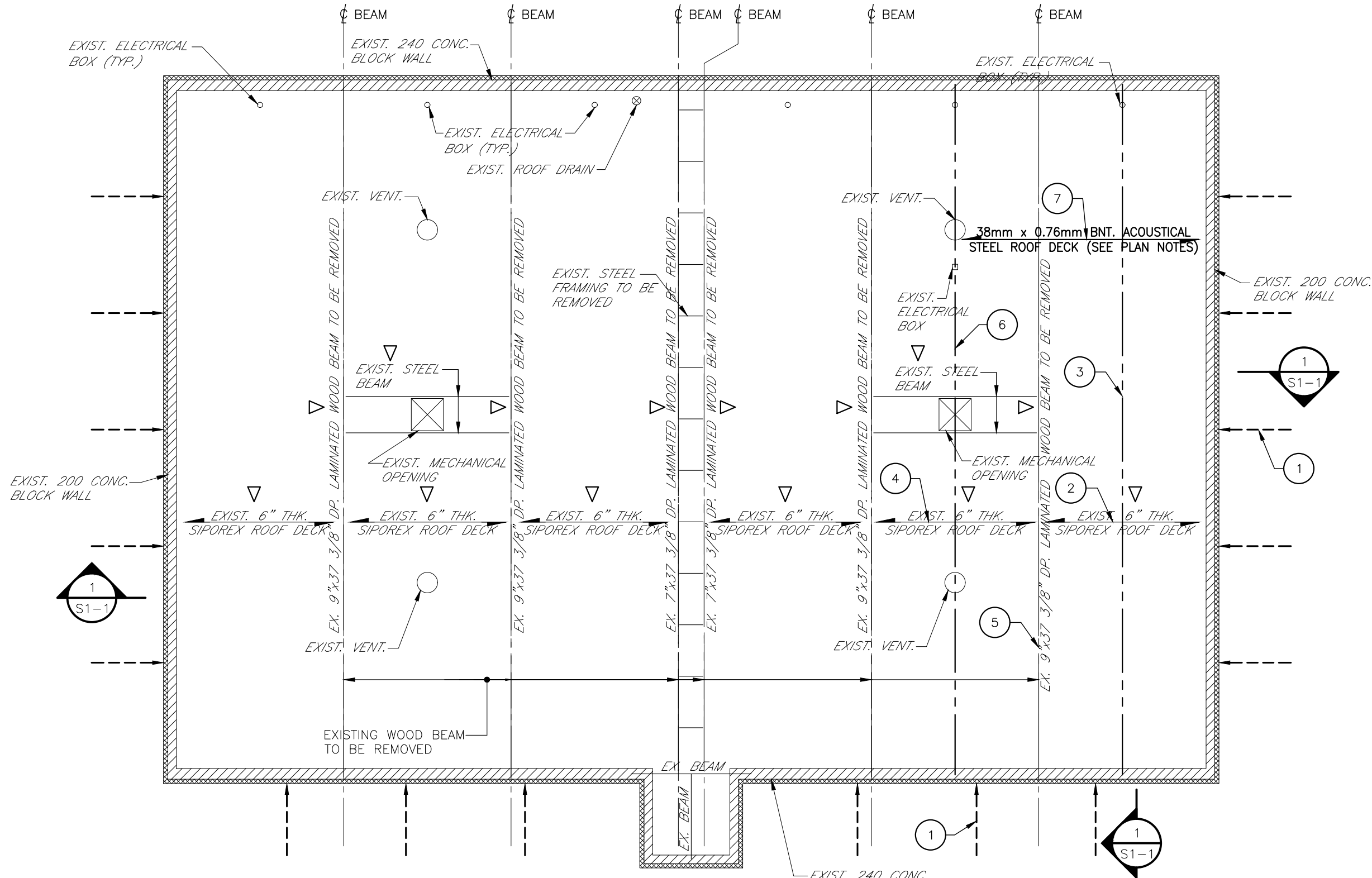
B ISSUED FOR TENDER MAY 01 26

A ISSUED FOR BUILDING PERMIT APR 17 26

No.	Description	Date (m/d/y)
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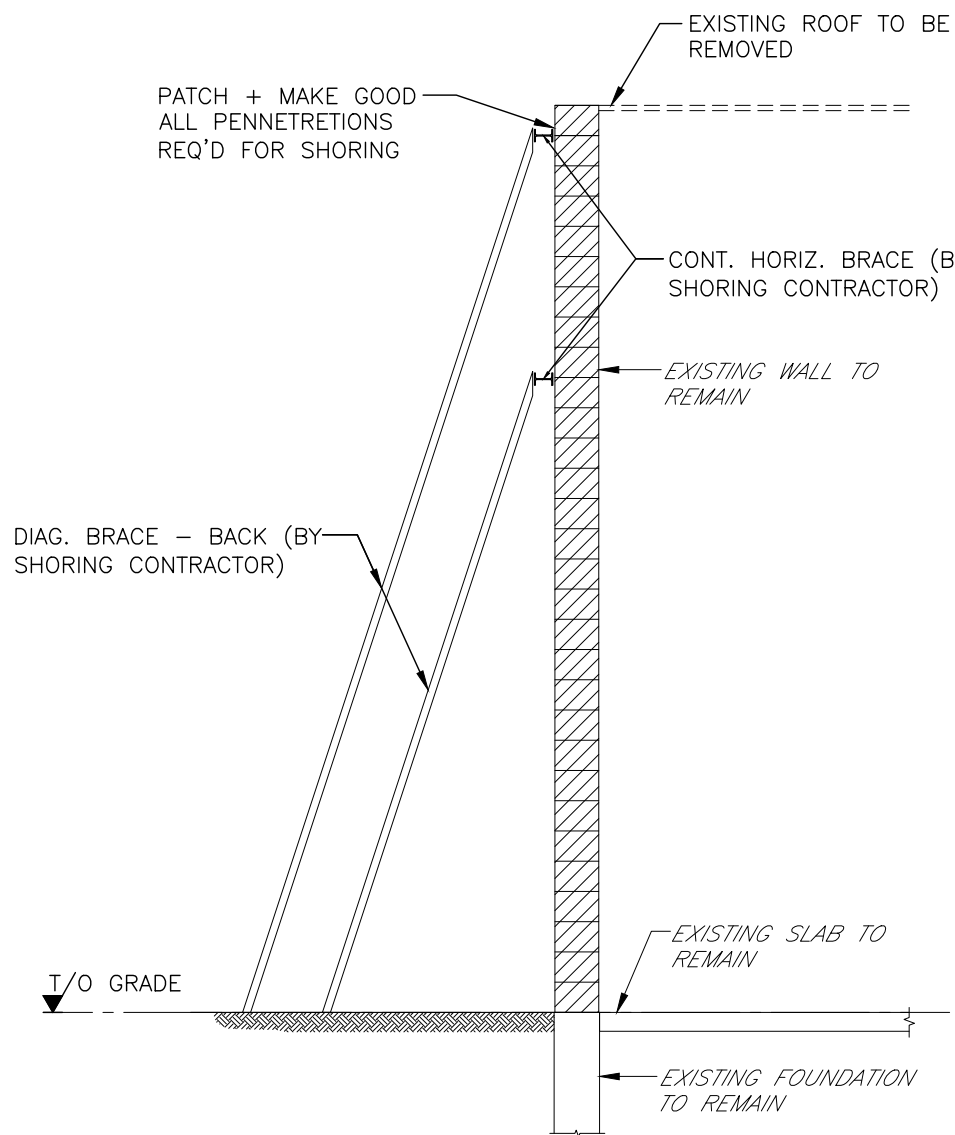
Issue Record

General Notes:



EXISTING ROOF FRAMING PLAN - DEMOLITION

SCALE= 1:100



1 TYPICAL SHORING DETAIL AT LOW ROOF

SCALE= N.T.S.

NOTE: SCHEMATIC ONLY. SHORING DESIGN BY SHORING ENGINEER. SUBMIT DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

DEMOLITION PROCEDURES

MARK	REMARKS
1	INSTALL SHORING AROUND PERIMETER OF BUILDING. SHORING SHOWN ON PLAN IS SCHEMATIC ONLY. SHORING IS TO BE DESIGNED BY LICENSED ENGINEER, HIRED BY SHORING CONTRACTOR. SUBMIT SHORING DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.
2	STARTING FROM ONE END OF BUILDING, REMOVE ONE BAY OF EXISTING SIPOREX ROOF PANELS.
3	INSTALL 1 ST NEW OWSJ AS SHOWN ON ROOF FRAMING DRAWINGS.
4	REMOVE NEXT BAY OF EXISTING SIPOREX ROOF PANEL.
5	REMOVE EXISTING WOOD BEAM AND INSTALL 2 ND NEW OWSJ. AS PER ROOF FRAMING DRAWINGS.
6	INSTALL 3 RD NEW OWSJ. AS SHOWN ON ROOF FRAMING DRAWINGS.
7	INSTALL NEW METAL DECK FROM EXTERIOR WALL TO 3 RD OWSJ.
8	CONTINUE THIS SEQUENCE OF REMOVING AND REINSTALLING ROOF FRAMING FROM ONE END OF THE BUILDING TO THE OTHER.

NOTE:

- CONTRACTOR SHALL MAKE ALL PROPER PROVISIONS NECESSARY TO ENSURE INTERIOR BUILDING FINISHES ARE NOT DAMAGED DURING CONSTRUCTION.
- SHORING MAY BE REMOVED AS NEW METAL DECK IS INSTALLED
- CONTRACTOR SHALL PATCH AND MAKE GOOD ALL FINISHES WHERE SHORING TIES INTO THE REMAINING STRUCTURE.



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ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

Date: MARCH 2026

Drawn By: VE

Chkd By: MB

Scale: AS NOTED

Drawing title:

GYMNASIUM DEMOLITION PLAN

Project No.:
26032(C)

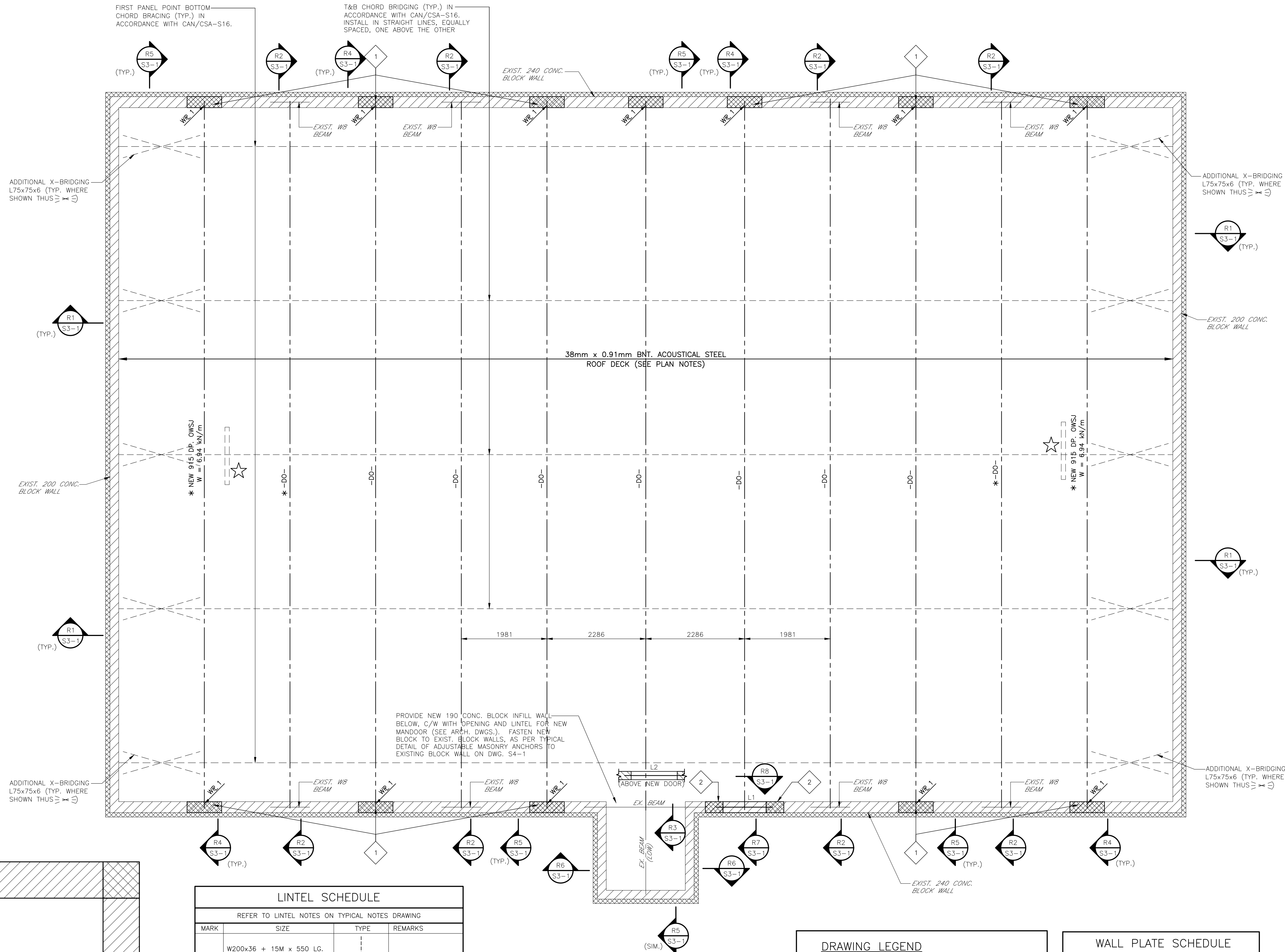
Drawing No.:
S1-1

Rev.:
B

Plot Date:

1. U/S OF ROOF DECK AT HIGH POINTS TO BE 0.00m ABOVE ROOF DATUM ELEVATION 6.65m, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS. ELEVATION DATUM TAKEN FROM TOP OF FINISHED GYM FLOOR.
2. TOP OF GYM FLOOR TAKEN FROM DATUM AS 0.00m
3. ROOF DECK TO SLOPE TO DRAINS AS SHOWN ON ARCHITECTURAL DRAWINGS.
4. TOP OF STEEL BEAMS TO BE 0.0m BELOW ROOF DATUM ELEVATION, EXCEPT AS SHOWN THUS $\left(\frac{dx}{x} \right)$ ON PLAN.
5. OWSJ SHOES TO BE 100mm DEEP UNLESS NOTED OTHERWISE.
6. TOTAL DEAD LOAD AS FOLLOWS:



7. DEAD LOAD OF FOUR PLY BUILT-UP ROOFING SYSTEM IS ASSUMED TO BE 0.32 K/ UNLESS NOTED OTHERWISE.
8. LIVE LOAD IS A UNIFORM LOAD OF 1.84 K/PA PLUS ACCUMULATED SNOW LOAD (ASL) IN ACCORDANCE WITH THE ONTARIO BUILDING CODE REQUIREMENTS AND IN NO CASE LESS THAN AS NOTED ON PLAN.
9. STEEL ROOF DECK SHALL BE DESIGNED TO SUPPORT SPECIFIED TOTAL DEAD AND LIVE LOADS. MINIMUM BASE NOMINAL THICKNESS (BNT) OF STEEL DECK SHALL BE 0.76mm (22 GA.).
10. STEEL ROOF DECK SHALL BE INSTALLED FOR DIAPHRAGM ACTION IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE CANADIAN SHEET STEEL BUILDING INSTITUTE AND SPECIFICATIONS. STEEL DECK TO BE FASTENED AT ALL SUPPORTS W/ MIN. 20mmØ PUDDLE WELDS (36/9 SUPPORT PATTERN) AND 150 O/C AT PERIMETER. ALL SIDE LAPS TO BE BUTTON PUNCHED AT 230 O/C.
11. STEEL JOISTS SHALL BE DESIGNED TO SUPPORT SPECIFIED TOTAL DEAD AND LIVE LOADS. IN ADDITION, JOISTS SHALL BE DESIGNED FOR ADDITIONAL LOADS SHOWN ON PLAN, AND FOR POINT LOADS OF BRACING MECHANICAL EQUIPMENT, IN EXCESS OF 0.66 kN PER JOIST
12. JOISTS AND BEARING ANCHORAGE SHALL BE DESIGNED TO RESIST UPLIFT DUE TO WIND AS REQUIRED BY THE ONTARIO BUILDING CODE AND IN NO CASE LESS THAN THE GREATER OF THOSE INDICATED ON PLAN OR 0.48 kN/PA NET UPLIFT.
13. JOISTS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP AND SIGNATURE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION AND ERECTION.
14. PROVIDE CONTINUOUS TOP AND BOTTOM CHORD BRIDGING FOR JOISTS IN ACCORDANCE WITH CAN3-S16.1M AND IN NO CASE LESS THAN AS SHOWN ON PLAN.
15. PROVIDE BOTTOM CHORD BRACING FOR ALL JOISTS SUBJECT TO NET UPLIFT IN ACCORDANCE WITH CAN3-CSA-S16.1 AND AT LEAST AT EACH END OF JOISTS NEAR THE FIRST BOTTOM CHORD PANEL POINT. BRIDGING CANNOT BE CONSIDERED AS BRACING.
16. LIVE LOAD DEFLECTION OF ROOF JOIST NOT EXCEED 1/360 OF SPAN. EXCEPT JOIST MARKED THIS * ON PLAN SHALL HAVE A MAXIMUM LIVE LOAD DEFLECTION OF 12mm.
17. * ON TARGET AGAINST OWSI INCLUDES TOTAL SERVICE LIVE AND DEAD LOADS IN KILOWEIGHTS PER LINEAL METRE; INCLUDING ASSUMED JOIST SELF WEIGHT AND EXCLUDING ALL ACCUMULATED SNOW LOADS.
18. GROUT IN MASONRY WALLS TO BE EITHER "CONCRETE" OR "GROUT" WITH A MIN. COMPRESSIVE STRENGTH OF 20 MPa U.N.O. MORTAR IS UNACCEPTABLE.
19. ALL ROOF TRUSSES SHALL BE DESIGNED FOR THE EFFECTS OF PONDING IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
20. OWSI OVER GYMNASIUM TO BE A MODIFIED WARREN CONFIGURATION WITH A VERTICAL WEB MEMBER, SYMMETRICAL ABOUT THE CENTRELINE WITH DIAGONAL AND VERTICAL MEMBERS FABRICATED FROM RECTANGULAR OR SQUARE SECTIONS OF UNIFORM APPEARANCE. ALL WEB MEMBERS ARE TO LINE UP. ALL CONNECTIONS TO BE RIGID AND UNIFORM. ALL WORK TO BE DONE TO THE SATISFACTION OF THE ARCHITECT.





N.T.S.

1. LOADS NOTED ARE GROSS UPLIFT VALUES AND ARE NOT FACTORED.
2. ROOF JOISTS AND THEIR ANCHORAGE SHALL BE DESIGNED FOR THE MINIMUM NET UPLIFT VALUES AND NO LESS THAN THAT REQUIRED IN PART 4 OF THE ONTARIO BUILDING CODE
3. ABOVE LOADINGS ARE BASED ON A GUST FACTOR OF 2.0 AND ARE FOR MAIN STRUCTURAL ELEMENTS.
4. NEGATIVE (-) VALUES DENOTE FORCES AWAY FROM THE STRUCTURE, POSITIVE (+) VALUES DENOTE FORCES TOWARDS THE STRUCTURE

LEGEND:

	$= -1.51 \text{ kPa}$ $= +0.68 \text{ kPa}$
	$= -2.93 \text{ kPa}$ $= +0.68 \text{ kPa}$

-1.17 kPa
+0.68 kPa

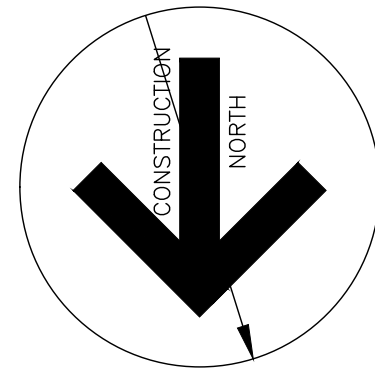
LINTEL SCHEDULE			
REFER TO LINTEL NOTES ON TYPICAL NOTES DRAWING			
MARK	SIZE	TYPE	REMARKS
L1	W200x36 + 15M x 550 L.G. DWLS. @ 600 O/C TOP (MIN. OF 3)		W/E 2 AT EACH END
L2	2Ls-90x90x6		150 BEARING (MIN.) EACH END
NOTE: ALL EXTERIOR EXPOSED LINTELS TO BE HOT-DIP GALVANIZED			

1. LOCALLY, POCKET EXIST. WALL A MIN. OF 800 LG. x WIDTH OF WALL. GROUT SOLID VOIDS OF BLOCK DIRECTLY BELOW JOIST. INSTALL NEW WALL PLATE FOR BEARING OF NEW JOIST. GROUT/PACK SOLID AND MAKE GOOD FINISH TO MATCH EXIST., ONCE NEW WORK IS COMPLETE

2. FILL SOLID EXIST. VOID BLOCK CELLS BELOW BEAM BEARING. FILL BLOCK CELLS A MIN. OF 400mm WIDE x 2 BLOCK COURSES DEEP

MARK	SIZE	REMARKS
WPL 1	250x16x175	C/W 2 - 12.7mmØ x 300 LG. HOOKED ANCHOR RODS
WPL 2	175x16x175	C/W 2 - 12.7mmØ x 300 LG. HOOKED ANCHOR RODS
LAST DIMENSION PARALLEL TO JOIST		

WIND UPLIFT DIAGRAM



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B	ISSUED FOR TENDER	MAY 01 26
A	ISSUED FOR BUILDING PERMIT	APR 17 26
No.	Description	Date (m/d/y)

General Notes:



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315 EAST 37th STREET
HAMILTON, ONTARIO

Date: MARCH 2026

Drawn By: VE

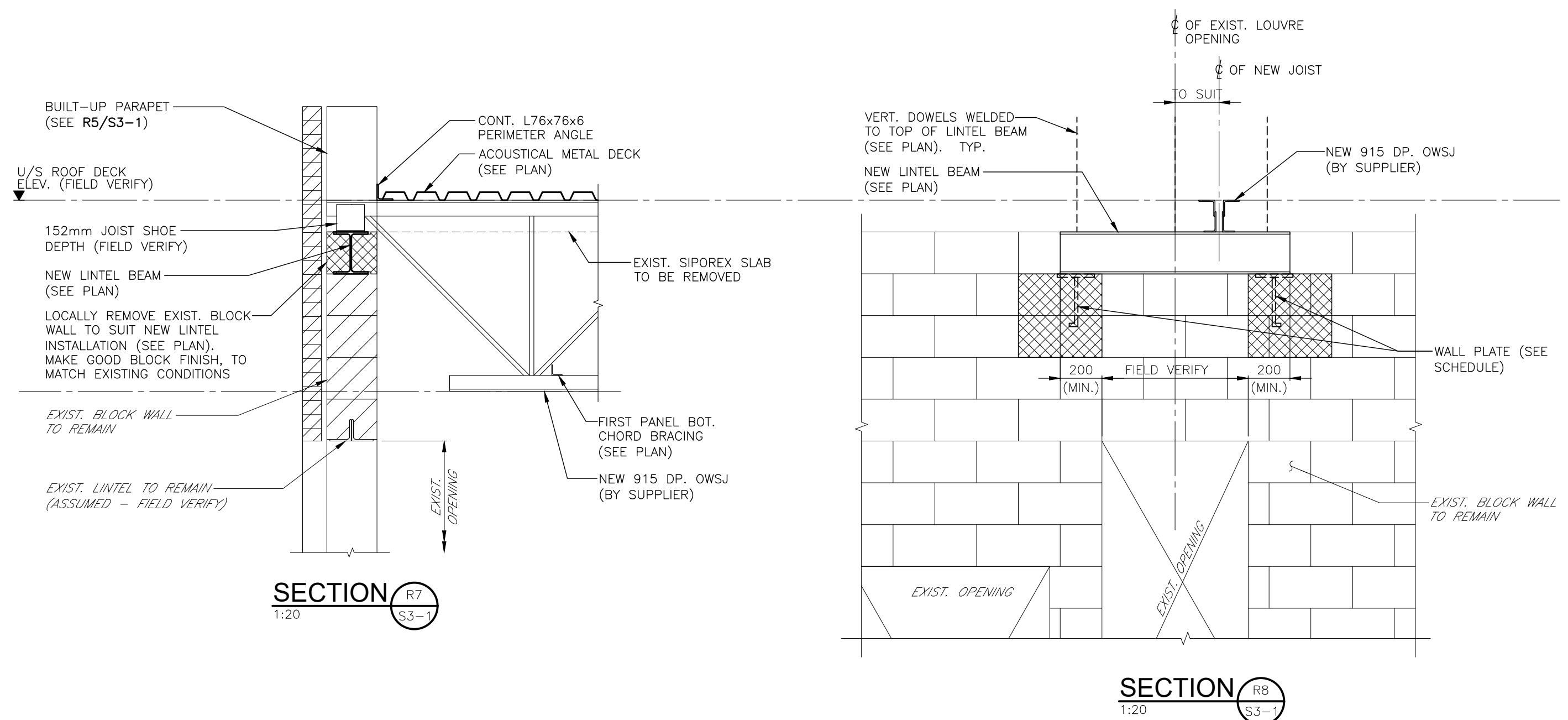
Chkd By: MB

Scale: 1:50

Drawing title:

GYMNASIUM ROOF FRAMING PLAN

Project No.: 26032(C)	Drawing No.: S2-1	Rev.: B
Plot Date:		



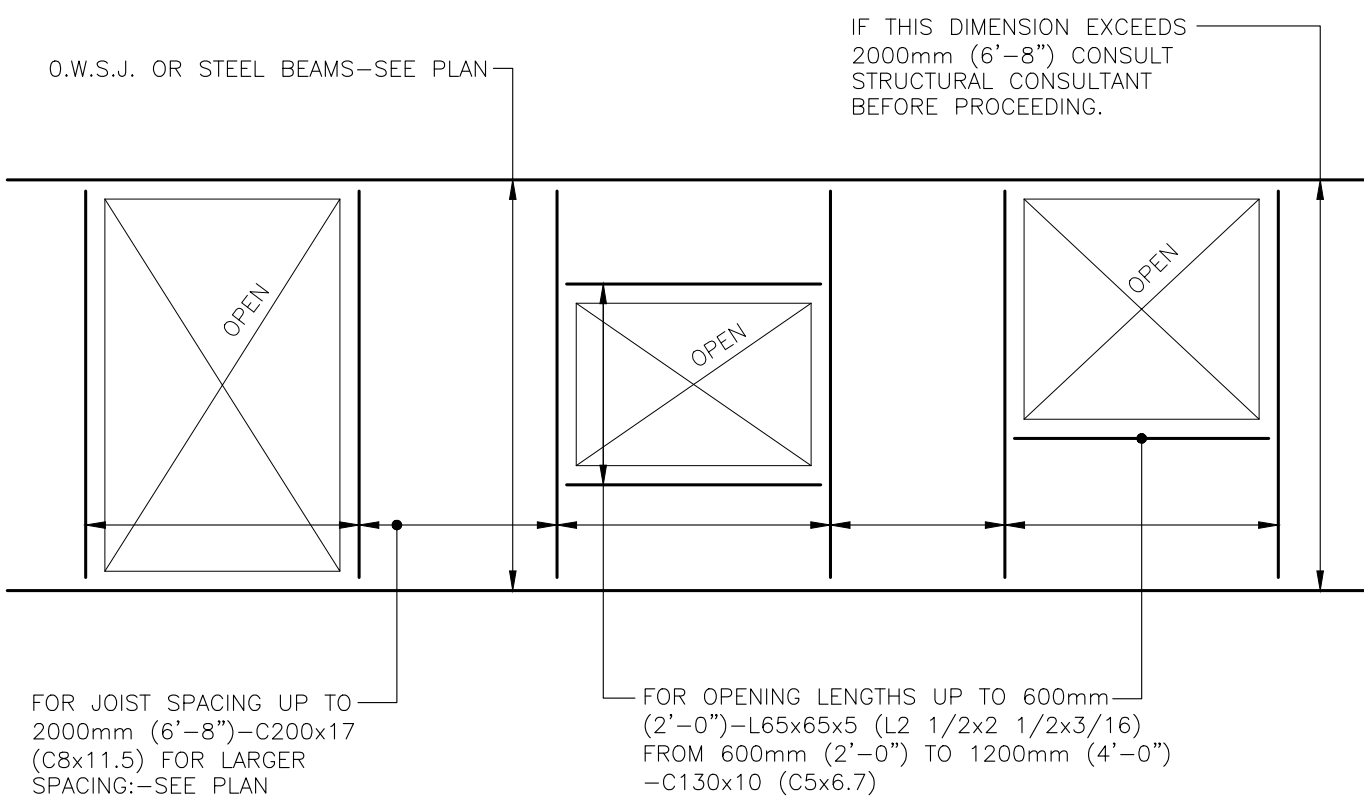
General Notes:

LOAD BEARING MASONRY NOTES

- 1.0 GENERAL
- 1.1 THE FOLLOWING INDICATES ONLY THE MINIMUM REQUIREMENTS APPLICABLE TO STRUCTURAL LOAD BEARING MASONRY, BASED UPON CSA S304-14 (R2010) DESIGN OF MASONRY STRUCTURES, CLAUSE 10.5.2.
- 1.2 REFER ALSO TO ARCHITECTURAL DRAWINGS &/OR THE SPECIFICATION FOR REQUIREMENTS OTHER THAN STRUCTURAL, AND FOR NON-LOAD BEARING WALLS & PARTITIONS.
- 1.3 IF MASONRY CONSTRUCTION IS BASED ON ENGINEERING ANALYSIS "ENGINEERED MASONRY", THEN REFER TO NOTES & DETAILS ON STRUCTURAL DRAWINGS.
- 1.4 MASONRY CONSTRUCTION TO CONFORM TO CSA STANDARDS CSA-S304-14 & CSA A37-14.
- 2.0 PRODUCTS
- 2.1 CONCRETE BLOCKS & BRICKS:- TO CONFORM TO ONE OR MORE OF CSA A165 SERIES-14. BLOCKS TO BE MODULAR UNITS AS SHOWN ON THE ARCHITECTURAL DRAWINGS &/OR SPECIFICATION, AND UNLESS OTHERWISE NOTED SHALL BE:-
1. FOR BELOW GRADE & EXTERIOR EXPOSED WALLS USE NORMAL WEIGHT LOAD BEARING UNITS:-
- STANDARD HOLLOW: TYPE H/15/A/M.
75% SOLID: TYPE S/15/A/M.
100% SOLID: TYPE S/15/C/M.
2. FOR INTERIOR ABOVE GRADE WALLS USE LIGHTWEIGHT LOAD BEARING BLOCKS:-
- STANDARD HOLLOW: TYPE H/15/C/M.
75% SOLID: TYPE S/15/C/M.
100% SOLID: TYPE S/15/C/M.
- 2.2 CLAY BRICKS:- TO CONFORM TO ONE OR MORE OF CSA A82-14. SEE ARCHITECTURAL DRAWINGS &/OR SPECIFICATIONS FOR TYPES & STYLES OF BRICKS REQUIRED. UNLESS OTHERWISE NOTED, THE MINIMUM COMPRESSIVE STRENGTH (BRICK FLATWISE) GROSS AREA SHALL BE 20 MPa.
- 2.3 MORTAR:- TO CONFORM TO CSA A179-14. FOR LAYING CONCRETE BLOCKS...USE TYPE "S" MORTAR UNLESS NOTED. FOR LAYING CLAY BRICKS: USE TYPE "N" MORTAR UNLESS NOTED.
- 2.4 MASONRY GROUT:- TO CONFORM TO CSA A179-14. THE SLUMP SHALL BE + 200mm (+8") AND THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 12.5 MPa.
- 2.5 MASONRY CONNECTORS:- (ANCHORS, FASTENERS & TIES) SHALL CONFORM TO CSA A370-14, AND BE INSTALLED TO COMPLY WITH CSA A371-14. SPACING, STRENGTH & GALVANIZING OF STRIP TIES, DOVETAIL ANCHORS, BAR ANCHORS, ROD ANCHORS, STRAP ANCHORS, WALL & PARTITION ANCHORS SHALL COMPLY WITH CSA A371-14.
- 2.6 BRICK VENEER AND MASONRY TIES TO BE DESIGNED AND CERTIFIED BY MASONRY CONTRACTOR'S ENGINEER. PROVIDE CALCULATIONS AND DETAILS, CERTIFIED BY A PROFESSIONAL ENGINEER, LICENSED IN THE PROVINCE OF ONTARIO. TIES TO CONFORM TO O.B.C. 2012 AND CSA A370-14 & CSA A371-14. TIES TO BE DESIGNED FOR SEISMIC REQUIREMENTS, IN ACCORDANCE WITH O.B.C. 2012 AND CSA S304-14.
- 2.7 VERTICAL REINFORCING FOR ALL NON-LOAD BEARING WALLS AND PARTITIONS: THE FOLLOWING ARE MINIMUM REQUIREMENTS:-
1. 90 (4") BLOCK = 10M @ 800mm (2'-8") O/C
140 (6") BLOCK = 15M @ 1000mm (3'-4") O/C
190 (8") BLOCK = 15M @ 800mm (2'-8") O/C
240 (10") BLOCK = 15M @ 600mm (2'-0") O/C
290 (12") BLOCK = 15M @ 400mm (1'-4") O/C
- 2.8 HORIZONTAL JOINT REINFORCEMENT FOR ALL MASONRY WALLS: THE FOLLOWING ARE MINIMUM REQUIREMENTS:-
1. CONFORM TO CSA A370-14 & A371-14.
2. REINFORCEMENT SHALL BE AN APPROVED CONTINUOUS "LADDER" TYPE, PREFABRICATED WITH 3.66mm DIAMETER (9 GAUGE) LONGITUDINAL & CROSS WIRES.
3. SPACING:- PROVIDE REINFORCING IN THE TOP COURSE IMMEDIATELY BELOW FLOOR & ROOF BEARING LEVELS AND THE FIRST TWO COURSES ABOVE AND BELOW EVERY WALL OPENING. THE REINFORCING SHALL EXTEND 600mm (24") BEYOND SUCH OPENINGS. FOR THE REMAINDER OF WALLS, THE VERTICAL SPACING SHALL NOT EXCEED 400mm (16").
4. OVERLAP SPICES:- SHALL BE A MIN. OF 150mm (6") FOR KNURLED WIRE & 300mm (12") FOR PLAIN WIRE. LAPS SHALL BE STAGGERED A MINIMUM OF 750mm (30") FROM COURSE TO COURSE. REINFORCING SHALL NOT PASS THROUGH A VERTICAL CONTROL JOINT UNLESS OTHERWISE SHOWN.
5. CORROSION RESISTANT:- JOINT REINFORCING FOR ALL WALLS IN CONTACT WITH SOIL, EXTERIOR WALLS & WALLS IN A MOIST ENVIRONMENT SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION TO ASTM A153/A153M-09, 458 gm/sq.meter (1.5oz/sq.foot).
6. COMPOSITE & CAVITY WALLS:- WHERE COURSING OF WYTHES DO NOT ALIGN OF WHERE IT IS DESIRABLE & PERMITTED TO BUILD ONE WYTHE BEFORE THE OTHER, REINFORCING SHALL BE AN APPROVED ADJUSTABLE TYPE WITH A BOX OR EYE SECTION WHICH EXTENDS INTO THE COLLAR JOINT OR CAVITY AND RESTRAINS THE TRANSVERSE MOVEMENT OF THE TWO WYTHES. FOR CAVITY WALLS WITH RIGID INSULATION, EXTENSION SHALL BE DESIGNED TO HOLD THE INSULATION IN PLACE BY USE OF PLASTIC WEDGES OR APPROVED EQUAL GALVANIZED HOOK STYLE "BOX TIES" OR "PIN-TIES" SHALL EXTEND INTO THE FACE WYTHE TO COMPLETE THE ASSEMBLY.
7. PROVIDE ALL PREFABRICATED CORNER AND TEE SECTIONS.
- 2.9 COMPOSITE WALLS:- SHALL HAVE THE VERTICAL COLLAR JOINTS BETWEEN WYTHES COMPLETELY FILLED WITH MORTAR OR GROUT.
- 2.10 BOND BEAMS:- MADE FROM LINTEL BLOCKS, OR HALF WEB BLOCKS WHERE SHOWN ON STRUCTURAL DRAWINGS SHALL CONFORM TO CSA A371-14.
- 2.11 GROUTING:- BY FILLING VOIDS OF HOLLOW UNITS & REINFORCED HOLLOW UNITS SHALL CONFORM TO CSA A371-14 (MORTAR IS NOT ACCEPTABLE).
- 2.12 EXPANSION & CONTROL JOINTS:- SHALL BE PROVIDED. SEE ARCHITECTURAL DRAWINGS &/OR SPECIFICATION FOR DETAILS.
- 3.0 EXECUTION
- 3.1 BEARINGS ON MASONRY:-
1. MINIMUM BEARING ON MASONRY UNLESS OTHERWISE NOTED:-
- BEAMS (STEEL, CONC., WOOD).....200mm (8") NOMINAL
LINTELS (STEEL, CONC., WOOD).....150mm (6") NOMINAL
JOISTS (STEEL, WOOD).....100mm (4") NOMINAL
SLABS (CAST-IN-PLACE, PRECAST).....100mm (4") NOMINAL
STEEL DECKING (ON WELD PLATE).....100mm (4") NOMINAL
2. MASONRY BEARINGS SHALL BE OF SOLID BLOCKS (OR GROUTED SOLID) OR BRICKS LAID IN MORTAR. ALL JOINTS ARE TO BE FULLY FILLED WITH TYPE "S" MORTAR.
3. MIN. SIZE OF SOLID BEARINGS AT BEAMS AND LINTELS UNLESS NOTED SHALL BE EQUAL TO TWICE THE BEARING/WALL PLATE (WP) LENGTH AND FOR A DEPTH EQUAL TO THE BEARING/WALL PLATE (WP) LENGTH, AND IN NO CASE LESS THAN 400 LONG x 200 DEEP (16" x 8"), SYMMETRICAL UNDER BEARING POINT.
4. PROVIDE A MINIMUM OF ONE CONTINUOUS COURSE 200mm (8") OF SOLID OR GROUTED VOID BLOCKS OR BRICKS LAID IN MORTAR AT THE TOP COURSE IMMEDIATELY BELOW ALL FLOOR AND ROOF BEARING LEVELS.
- 3.2 TOLERANCES:- UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS &/OR SPECIFICATION, SHALL CONFORM TO CSA A371-14.
- 3.3 COLD WEATHER CONSTRUCTION:- REQUIREMENTS & PROTECTION SHALL CONFORM TO CSA A371-14 AND UNDER NO CIRCUMSTANCES SHALL MASONRY CONSTRUCTION BE PERMITTED WHEN THE AIR TEMPERATURE FALLS BELOW - 12°C.
- 4.0 QUALITY CONTROL
- 4.1 WHEN REQUESTED SAMPLING AND TESTING SHALL CONFORM TO CSA S304-14. REFER ALSO TO GENERAL NOTES.

STEEL DECK NOTES

- 1.0 GENERAL
- 1.1 DESIGN, FABRICATION, HANDLING & ERECTION SHALL CONFORM TO THE FOLLOWING STANDARDS:-
1. CSA S136.
2. CSSBI 10M: STANDARD FOR STEEL ROOF DECK.
3. CSSBI: STANDARD FOR COMPOSITE STEEL DECK.
4. ASTM A525: GENERAL REQUIREMENTS FOR STEEL SHEET, ZINC COATED.
5. WELDING SHALL CONFORM TO CSA STANDARD W59 AND BE PERFORMED BY A FABRICATOR CERTIFIED TO CSA STANDARD W47.
- 1.2 WHEREVER STRUCTURAL FRAMING PERMITS, STEEL DECK SHALL BE DESIGNED & FABRICATED TO SPAN CONTINUOUSLY OVER AT LEAST 4 SUPPORTS (3 SPANS). PROVIDE AN ADEQUATE INCREASE IN THICKNESS OF METAL TO COMPENSATE FOR CONTINUITY WHEREVER FEWER SUPPORTS MAY OCCUR. END LAPS TO BE A MIN. OF 50mm (2") AND BE LOCATED OVER SUPPORTS.
- 1.3
1. DEFLECTION OF ROOF DECK UNDER LIVE LOAD ONLY SHALL NOT EXCEED 1/240TH OF SPAN.
2. ROOF DECK SHALL BE FORMED WITH INTEGRAL RIBS IN ORDER TO SAFELY SUPPORT THE LOADS GIVEN ON THE DRAWINGS OVER THE SPANS REQUIRED. DECK THICKNESS GIVEN ON DRAWINGS IS MINIMUM ALLOWED.
- 1.4
1. FLOOR DECK SHALL BE FORMED WITH INTEGRAL RIBS AND EMBOSSEMENTS FOR COMPOSITE ACTION WITH CONCRETE SLAB IN ORDER TO SAFELY SUPPORT THE LOADS GIVEN ON THE DRAWINGS OVER THE SPANS REQUIRED. IN ADDITION, THE DECK SHALL SAFELY SUPPORT ALL CONSTRUCTION LOADS UNTIL CONCRETE IS SET. DECK THICKNESS GIVEN ON DRAWINGS IS MINIMUM ALLOWED.
2. DEFLECTION OF COMPOSITE FLOOR UNDER LIVE LOAD ONLY SHALL NOT EXCEED 1/360TH OF SPAN.
- 1.5 DESIGN & DETAIL ON SHOP DRAWINGS CONNECTIONS TO REPORTING MEMBERS SO THAT DIAPHRAGM FORCES ARE PROPERLY TRANSMITTED.
- 1.6 CLEARLY SHOW ON SHOP DRAWINGS POSITION OF TEMPORARY SHORING FOR FLOOR DECK IF REQUIRED.
- 1.7 STEEL ROOF DECK SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP AND SIGNATURE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION AND ERECTION.
- 2.0 PRODUCTS
- 2.1 UNLESS OTHERWISE NOTED ROOF DECK AND/OR COMPOSITE DECK SHALL BE FORMED OF METALLIC COATED SHEET STEEL CONFORMING TO CSSBI 101 M, & ASTM A446M, STRUCTURAL QUALITY GRADE 'A' WITH A ZF75 ZINC COATING.
- 2.2 UNLESS OTHERWISE NOTED DECK SHALL BE SINGLE FLUTED ELEMENT WITH INTEGRAL RIBS OF DEPTH & MIN. BASE NOMINAL THICKNESS (BNT) AS NOTED ON THE DRAWINGS. DECK SHALL HAVE INTERLOCKING SIDE JOINTS BETWEEN PANELS. [MIN. BNT 0.76mm (0.30")]
- 2.3 COVER PLATES, CELL CLOSURES, FLASHINGS & REINFORCING STIFFENERS FOR UNSUPPORTED EDGES TO BE SUPPLIED OF SIMILAR MATERIAL & ZINC COATING TO THAT FOR DECK, UNLESS NOTED.
- 2.4 PRIMER PAINT TO BE ZINC RICH, READY MIX TO CGSB 1-GP-181M FOR FIELD "TOUCH-UP" OF WELD BURNS AFTER DECK IS INSTALLED.
- 2.5 UNLESS OTHERWISE SHOWN FOR OPENINGS THROUGH ROOF DECK FROM 150mm TO 450mm (6" TO 18") ACROSS THE FLUTES PROVIDE NOT LESS THAN A 150x50x6 (L2x2x1/4). REINFORCEMENT TO FRAME ACROSS EACH SIDE OF THE OPENING PERPENDICULAR TO THE FLUTES, WELDED TO AT LEAST TWO FLUTES EACH SIDE OF THE OPENING.
- 2.6 FOR ROOF OPENINGS OVER 450mm (18") ACROSS THE FLUTES AND FOR AREAS OF CONCENTRATED LOAD, REINFORCE IN ACCORDANCE WITH STRUCTURAL FRAMING DETAILS SHOWN ON PLANS OR TYPICAL DETAILS.
- 3.0 EXECUTION
- 3.1 SUPPLY AND PLACE STEEL PACKING AS REQUIRED TO PRODUCE AN EVEN BEARING PRESSURE AT SUPPORTS.
- 3.2 UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATION, PERMANENTLY ATTACH THE STEEL DECK TO BEARING SURFACES AS FOLLOWS: THE FIRST, THIRD & FIFTH LOW CORRUGATIONS, 300mm (12") MAX. CENTRES, & EACH SIDE OF EACH SHEET, ARC SPOT WELD WITH 20mm (3/4") NOMINAL TOP DIAMETER. - SIDE LAPS OF ADJACENT UNITS SHALL BE MECHANICALLY FASTENED @ 600mm (24") ON CENTRE MAX., OR WELDED USING 25mm (1") WELDS AT 600mm (24") MAX. SPACING; - SIDE CONDITIONS SHALL BE WELDED WITH 20mm (3/4") WELDS AT 900mm (36") MAX. SPACINGS.
- 3.3 WELD STUD SHEAR CONNECTORS THROUGH DECK WHERE REQUIRED BY DRAWINGS.
- 3.4 "TOUCH-UP" GALVANIZED SURFACE WITH SPECIFIED PRIMER AT WELDS AND SCRAPES, ETC., BOTH UPPER AND LOWER SURFACES.
- 4.0 QUALITY CONTROL
- 4.1 AN INDEPENDENT INSPECTION & TESTING COMPANY IS TO BE ENGAGED TO CARRY OUT AND REPORT ON THE FOLLOWING INSPECTION SERVICES:-
1. SECTION PROFILE, GAUGE & STEEL GRADE.
2. ZINC COATING.
3. WELDED JOINTS.
4. BEARINGS
5. SIDE LAP CONNECTIONS.
6. TOUCH-UP PRIMER.
7. FIELD CUTTING AND/OR ALTERATIONS.
- 4.2 REFER ALSO TO GENERAL NOTES AND SPECIFICATION.



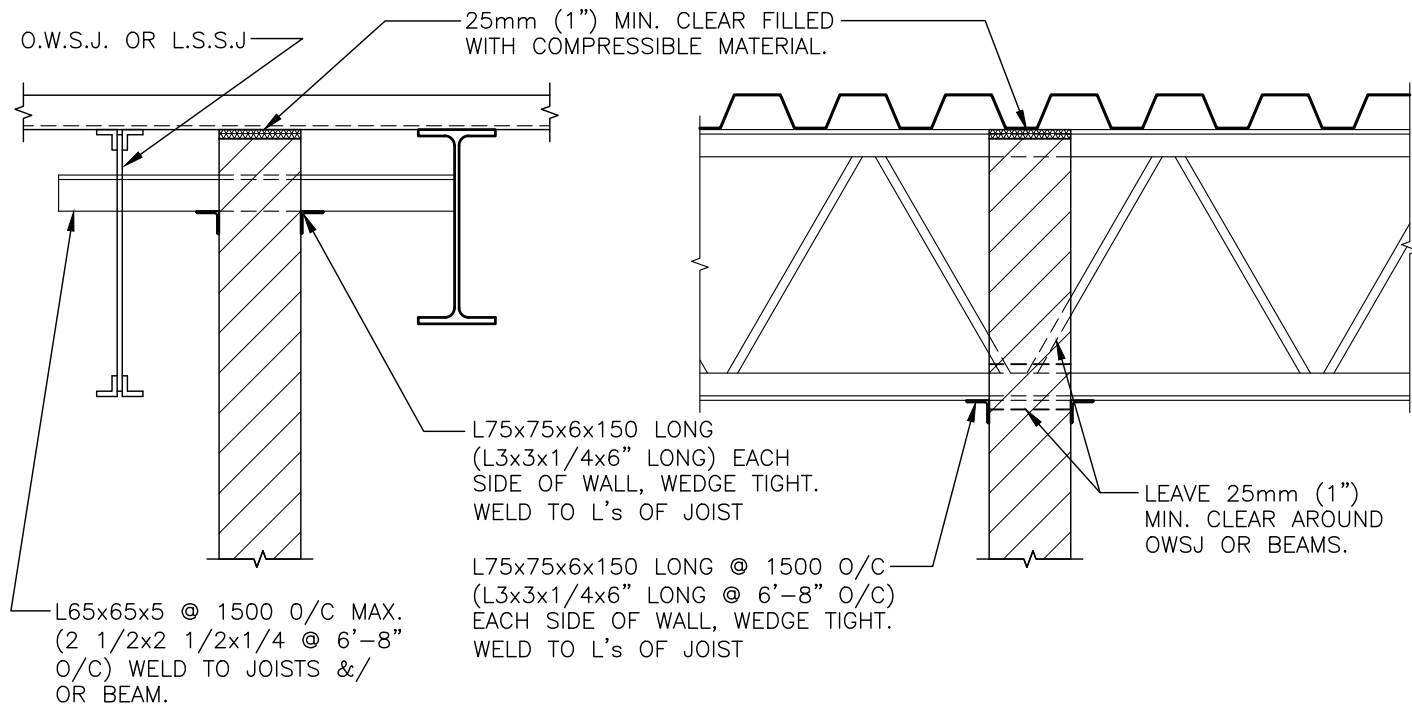
NOTES:

1. TOP OF ALL TRIMMING STEEL AT UNDERSIDE OF STEEL DECK UNLESS OTHERWISE NOTED.
2. LOCATION OF ALL MECHANICAL UNITS AND OPENINGS THROUGH ROOF IS BASED ON INFORMATION SHOWN ON MECHANICAL DRAWINGS. THE STRUCTURAL STEEL SUB-CONTRACTOR MUST CONFIRM ALL THESE DIMENSIONS AND SIZES WITH THE MECHANICAL CONTRACTOR.
3. O.W.S.J. MUST BE DESIGNED FOR ADDITIONAL LOADS FROM MECHANICAL UNITS.
4. IF ACTUAL LOCATIONS OR DETAILS VARY FROM THOSE SHOWN, THE STRUCTURAL CONSULTANT MUST BE INFORMED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING WITH THE WORK.
5. THE STRUCTURAL STEEL SUB-CONTRACTOR IS TO SUBMIT ERECTION DRAWINGS TO THE MECHANICAL ENGINEER AND/OR CONTRACTOR FOR APPROVAL OF SIZE AND LOCATION OF OPENINGS FOR MECHANICAL UNITS.

TYPICAL DETAILS FOR TRIMMING OPENINGS THROUGH STEEL ROOF DECK

STRUCTURAL STEEL & OWSJ NOTES

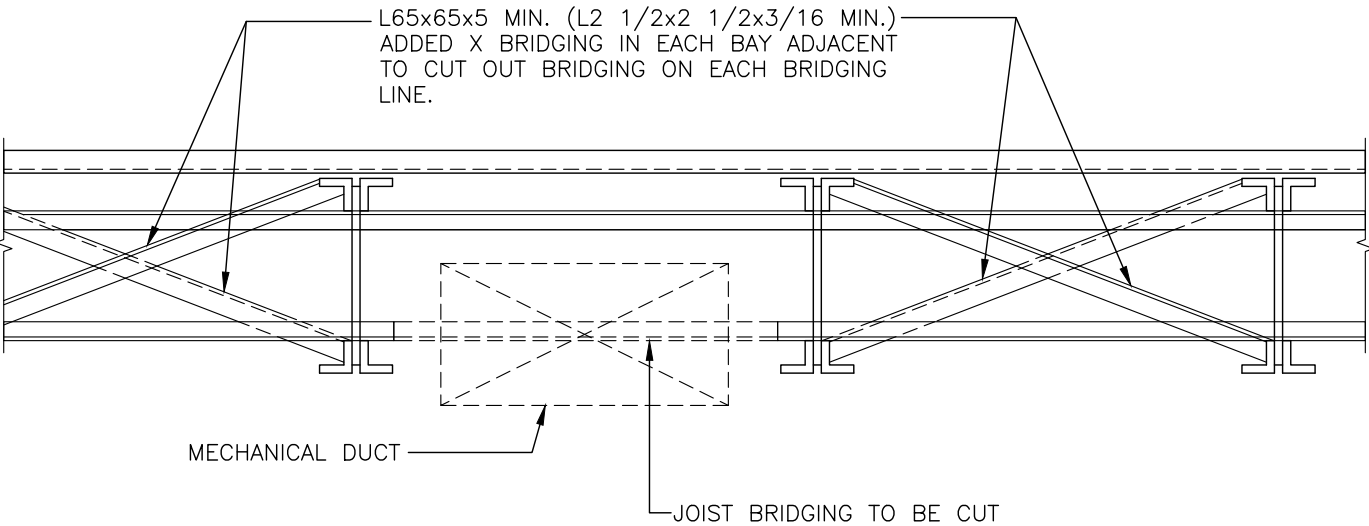
- 1.0 GENERAL
- 1.1 STRUCTURAL STEEL AND OWSJ DESIGN DETAILS & CONNECTIONS SHALL CONFORM TO CSA STANDARD CAN/CSA S16-14 (LIMIT STATES DESIGN) & SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER EXPERIENCED IN THIS TYPE OF WORK.
- 1.2 REFER ALSO TO GENERAL NOTES, NOTES UNDER PLANS & TO THE SPECIFICATION.
- 1.3 WELDING SHALL CONFORM TO CSA STANDARD W59-13 AND BE PERFORMED BY A FABRICATOR CERTIFIED TO CSA W47.1-09 (R2014).
- 1.4 BEAM CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM OF 50% OF THE BEAM SHEAR CAPACITY UNLESS OTHERWISE NOTED, & IN NO CASE BE LESS THAN THE LOADS SHOWN ON OR IMPLIED BY THE DRAWINGS.
- 2.0 PRODUCTS
- 2.1 ALL STRUCTURAL STEEL MEMBERS SHALL CONFORM TO CAN/CSA G40.20-13/G40.21-13. ROLLED SECTIONS, PLATES, SAG RODS, STRAP ANCHORS & BARS, EXCEPT WIDE FLANGE BEAMS SHALL BE TYPE 350W AND HOLLOW STRUCTURAL AND WIDE FLANGE BEAMS SECTIONS SHALL BE TYPE 350W, CLASS H FOR SQUARE HSS & CLASS C FOR ROUND HSS.
- 2.2 OWSJ CHORDS & WEBS SHALL CONFORM TO CLAUSE 16.3 OF CAN/CSA S16.
- 2.3 BOLTS, NUTS & WASHERS FOR CONNECTIONS TO CONFORM TO ASTM A325-14 UNLESS NOTED.
- 2.4 ANCHOR BOLTS, NUTS & WASHERS FOR BASE PLATES, BEARING PLATES & WELD PLATES TO CONFORM TO ASTM A307-14 UNLESS NOTED.
- 2.5 SHEAR STUDS WHERE REQUIRED TO CONFORM TO ASTM A108, WELDING TO CONFORM TO CSA W59.
- 2.6 WELDING MATERIALS TO CONFORM TO CSA W48-14 (SERIES).
- 2.7 PRIMER PAINT TO CONFORM TO CGSB 1.40-M89 OR CISC/CPMA 2-75.
- 2.8 FORMS FOR CONCRETE DECK OVER OWSJ: - SEE NOTES UNDER PLANS & TYPICAL DETAILS.
- 2.9 BRIDGING FOR OWSJ:- SEE DRAWINGS & TYPICAL DETAILS.
- 3.0 EXECUTION
- 3.1 FABRICATION, HANDLING & ERECTION TO CONFORM TO CAN/CSA S16-14.
- 3.2 PROVIDE A MINIMUM OF 2-12mm (1/2") DIAMETER BY 250 (10") LONG WALL ANCHORS FOR ALL BEAM & OWSJ WALL PLATES ON MASONRY, OR AN APPROVED EQUAL, UNLESS OTHERWISE NOTED. BEAMS & JOIST SHOES TO BE WELDED TO BEARING PLATES.
- 3.3 PROVIDE ADJUSTABLE ANCHORS TO ALL STEEL TO BE BUILT INTO, ABUTTED BY, OR FACED WITH MASONRY (REFER ALSO TO DETAILS IF SHOWN). SPACING OF ANCHORS TO BE:
1. FOR VERTICAL SPACING: 600 (24") MAX. CENTRES
2. FOR HORIZONTAL SPACING: 10 TIMES WALL THICKNESS* MAX. 2000 (6'-8") CENTRES
(* NOTE, USE BACK-UP WYTHE ONLY FOR CAVITY WALLS.)
3. WHERE STEEL PROVIDES LATERAL BRACING ONLY TO MASONRY (IE. DOES NOT SUPPORT MASONRY) ANCHORS SHALL PERMIT DIFFERENTIAL VERTICAL MOVEMENT BETWEEN STRUCTURAL MEMBER & MASONRY.
- 3.4 CLEAN, PREPARE SURFACES AND SHOP PRIME STRUCTURAL STEEL & OWSJ WITH ONE COAT OF SPECIFIED PRIMER PAINT IN ACCORDANCE WITH CSA CAN3-S16-14, EXCEPT WHERE MEMBERS ARE TO BE ENCASED IN CONCRETE. FIELD "TOUCH-UP" BOLTS, WELDS, BURNED OR SCRAPED SURFACES AFTER ERECTION.
- 3.5 WHEREVER ITEMS ARE TO BE HUNG FROM OWSJ, SECUREMENT SHALL BE FROM THE TOP CHORDS AT PANEL POINTS UNLESS OTHERWISE PERMITTED.
- 3.6 PROVIDE ALL NECESSARY TEMPORARY BRACING TO KEEP STRUCTURE SAFE AND PLUMB. BRACING SHOWN ON STRUCTURAL DRAWINGS IS PERMANENT FOR FINISHED BUILDING ONLY.
- 3.7 CO-ORDINATE WITH MECHANICAL & ELECTRICAL CONSULTANTS & SUB-TRADES WHOSE WORK MAY EFFECT DETAILING, FABRICATION & ERECTION OF THE STEEL STRUCTURE.
- 3.8 TOLERANCES: VARIATION FROM PLUMB & LEVEL EXTERIOR COLUMNS, COLUMNS AT ELEVATOR SHAFTS & SPANDREL BEAMS INCLUDING ANGLES: 1:1000 MAX 25mm (1/8" IN 10'-0" MAX. 1") OTHER PIECES: 1:500 (1/4" IN 10'-0")
- 3.9 NO HOLES OTHER THAN THOSE SHOWN ON REVIEWED SHOP DRAWINGS SHALL BE MADE IN ANY STEEL MEMBER WITHOUT WRITTEN PERMISSION OF THE STRUCTURAL CONSULTANT.
- 4.0 QUALITY CONTROL
- 4.1 SEE GENERAL NOTES, NOTES UNDER PLANS, AND/OR SPECIFICATION FOR INSPECTION & TESTING REQUIREMENTS.



WALL PARALLEL TO O.W.S.J. &/OR BEAM

WALL PERPENDICULAR TO O.W.S.J. &/OR BEAM

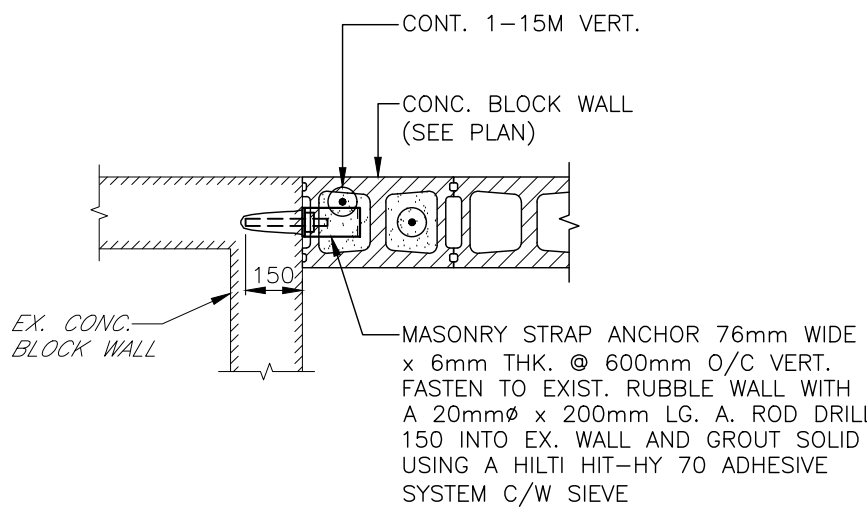
TYPICAL DETAIL FOR LATERAL SUPPORT TO STEEL FRAMING AT TOPS OF NON-LOAD BEARING MASONRY WALLS



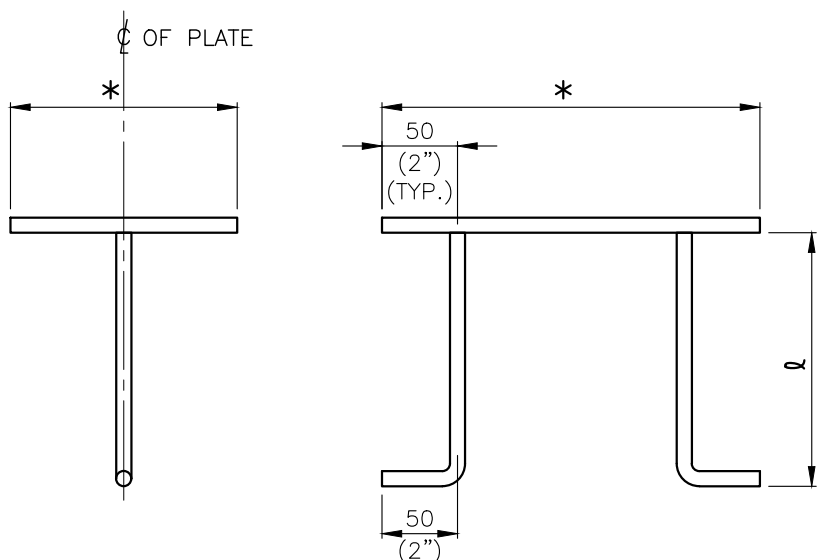
TYPICAL DETAIL WHERE BOTTOM CHORD JOIST BRIDGING AND/OR BRACING IS REQUIRED TO BE CUT DUE TO INTERFERENCE BY MECHANICAL DUCTWORK

GENERAL NOTES

- 1.0 GENERAL
- 1.1 DESIGN AND CONSTRUCTION IS TO CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE. REFER ALSO TO TYPICAL DETAILS, NOTES UNDER PLANS & SCHEDULES ON THE STRUCTURAL DRAWINGS, AND TO THE SPECIFICATION. ALL CODES, MANUALS, STANDARDS AND SPECIFICATIONS REFERRED TO SHALL BE THE LATEST EDITIONS INCLUDING ALL REVISIONS AND ADDENDA. ALL DIMENSIONS, OTHER THAN PURELY STRUCTURAL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE CHECKED AGAINST THE ARCHITECTURAL DRAWINGS AND ANY INCONSISTENCIES REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. STRUCTURAL DRAWINGS MUST NOT BE SCALED.
- 1.2 REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS, TRENCHES, PITS, SUMPS, EQUIPMENT, SLEEVES, DEPRESSIONS, GROOVES AND CHAMFERS NOT INDICATED ON THE STRUCTURAL DRAWINGS. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ABOVE ITEMS WHERE SHOWN ON THE STRUCTURAL DRAWINGS ARE INDICATED ONLY APPROXIMATELY AS TO SIZE AND LOCATION.
- 1.3 UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, NO PROVISION HAS BEEN MADE IN THE DESIGN FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY BRACINGS AND SHORING REQUIRED FOR STRESSES AND INSTABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY BRACINGS, SHORINGS, SHEET PILING OR OTHER TEMPORARY SUPPORTS TO SAFEGUARD ALL EXISTING OR ADJACENT STRUCTURES EFFECTED BY THIS WORK.
- 2.0 SHOP DRAWINGS, PLACING DRAWINGS & BAR LISTS:-
- 2.1 FOR ALL STRUCTURAL COMPONENTS SHOWN ON THE STRUCTURAL DRAWINGS, SUBMIT COPIES OF SHOP DRAWINGS AS DIRECTED, FOR REVIEW BY THE STRUCTURAL CONSULTANT. SHOP DRAWINGS TO SHOW COMPLETE INFORMATION FOR THE FABRICATION AND ERECTION OF THE STRUCTURAL COMPONENTS.
- 2.2 REVIEW BY THE STRUCTURAL CONSULTANT SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR SEEING THAT THE WORK IS COMPLETE, ACCURATE AND IN CONFORMITY WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
- 3.0 INSPECTION AND TESTING:-
- 3.1 A SOILS CONSULTANT AND AN INDEPENDENT INSPECTION AND TESTING COMPANY ARE TO BE ENGAGED TO CARRY OUT THE FOLLOWING SERVICES:-
1. STRUCTURAL STEEL AND OWSJ - ROUTINE SHOP AND FIELD INSPECTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF CAN/CSA S16-14.
2. STEEL DECK - SEE STEEL DECK NOTES
3. MASONRY - WHEN REQUIRED OR DIRECTED, CONCRETE BLOCKS SHALL BE TESTED IN ACCORDANCE WITH CSA A165 SERIES-14; BRICKS IN ACCORDANCE WITH CSA A165.2-14; AND MORTAR AND/OR GROUT IN ACCORDANCE WITH CSA A179-14.
- 3.2 ALL INSPECTION AND TESTING SERVICES ARE TO BE PERFORMED BY COMPANIES CERTIFIED BY THE CANADIAN STANDARDS ASSOCIATION AND FOR WELDING, INSPECTORS ARE TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU.



TYPICAL DETAIL OF ADJUSTABLE MASONRY ANCHORS TO EXISTING BLOCK WALL



TYPICAL WALL PLATE DETAIL

1. ALL BENT ANCHORS TO BE FABRICATED FROM BAR STEEL WITH A MIN. YIELD OF 350 MPa, U.N.O.
2. * SEE PLANS AND WALL PLATE SCHEDULE
3. L = (SPECIFIED TOTAL LENGTH - 50 (-2")): SEE WALL PLATE SCHEDULE FOR LENGTH

Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

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Revision Record

No.	Description	Date (m/d/y)

B ISSUED FOR TENDER MAY 01 26

A ISSUED FOR BUILDING PERMIT APR 17 26

No.	Description	Date (m/d/y)
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Issue Record

General Notes:

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ROOF ASSEMBLY REPLACEMENT

315 EAST 37th STREET
HAMILTON, ONTARIO

Date: MARCH 2026

Drawn By: VE

Chkd By: MB

Scale: N.T.S.

Drawing title:

TYPICAL NOTES & DETAILS

Project No.: 26032(C)	Drawing No.: S4-1	Rev.: B
Plot Date:		