Halton District School Board **Addendum No. 3**

RFT 24-061 Gymnasium Addition - Glenview Public School

The following, issued by the Halton District School Board (HDSB) May 24, 2024, shall be incorporated in the specifications and shall form part of the proposal document for the above.

ATTACHED:

Bidders are to reference the attached addendum as drafted by Snyder Architects (14 pages) dated 2024 05 24 which includes responses to questions asked and additional information.

RECEIPT OF ADDENDA MUST BE ACKNOWLEDGED ON THE FORM OF QUOTATION.

PAGE 1 OF 15
END OF ADDENDUM 3

snyderarchitects

A D D E N D U M #2

Project	Glenview PS Gym Addition	**Project No.**	2314
Location	143 Townsend Ave., Burlington, ON	**Date of Issue**	2024 05 24
Owner	Halton District School Board	**File**	2314/7.1.3

This Addendum forms part of the Contract Documents and amends the original Drawings and Specifications, and Addenda issued to date, as noted below.

Ensure all parties submitting bids are aware of all items included in this Addendum. Read, interpret and coordinate the items contained herein with the Contract Documents and include all related costs as part of the Bid Price. Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the bidder to disqualification.

This Addendum consists of 2 pages plus noted attachments.

1.	Project Manual 1. Aluminum composite panel spec section added 2. Section 09 65 66 Resilient Athletic Flooring Recreation 60 by Gerflor is an acceptable product. Given the project schedule, the flooring has to be installed soon after the slab is cast. To mitigate anticipated moisture issues, include for adhesive with 100% RH tolerance.
2.	A101 Site Plan – dwg reissued 1. Outdoor classroom added (with limestone screenings, armourstone seating and subdrian connected to existing storm manhole 2. Standard concrete curbs / dropped concrete curb locations clarified 3. Wooden Garbage Enclosure detail added 4. Existing entrance canopy detail tag added
3.	A103 Site Plan Demolition – dwg not reissued 1. Extent of outdoor classroom space including walkway connection and subdrain trench to be excavated as indicated on dwgs A101 and 3/A603
4.	A202 Floor and Roof Plan - dwg reissued 1. Noise barrier roof screen detail tag added on roof plan 2. Second roof drain added on low roof on roof plan. 3. Extent of tapered roof insulation revised at low roof on roof plan.
5.	A402 – dwg not reissued 1. Dwg 3/A402 – revise detail tag to read ‘16/A601’
6.	A603 Details – new dwg added 1. Fire-rated Counter shutter at Servery – section detail added at fire rated counter shutter including stainless steel wrapped countertop 2. Wooden Garbage Enclosure detail added

	3. Limestone screenings detail at outdoor classroom added 4. Existing entrance canopy to be clad in aluminum composite panel. Cladding details and added. Light fixture and telecom box to be relocated. Roofing detail tag at junction added
7.	**Structural** See attached Structural Addendum No 1 prepared by Kalos Engineering.
8.	**Mechanical** 1. Refer to attached dwg A202 for addition of second roof drain on low roof. Include for connection of drain to storm line in ceiling space below.
9.	**Bidder queries**
	Q. Specification section 07 51 00 Clause 3.7 ROOFING MEMBRANE sub-clause .1 calls for - Install 4 plies of roofing felts perpendicular to the cover board joints .....where Dwg A202 PARTIAL FLOOR & ROOF PLAN - NEW & RENO - ROOF TYPES & LEGEND states 2 PLIES OF TYPE IV FELT WITH 1 PLY COMPOSITE FELT HOT APPLIED... - please clarify the discrepancy A. Provide roof assembly as described in specifications
10.	Q. What is the approximate date for the start of work? A. Work to commence immediately upon award. Award is expected by Jun 7, 2024
11.	Q. How will be the Noise Barrier fixed to the roof (metal posts, concrete cubes etc.)? A. Refer to arch and structural details in this Addendum

END OF ADDENDUM #2

1 General

1.1 RELATED SECTIONS

.1 Section 04 22 00 - Concrete Unit Masonry.

.2 ~~Section 05 41 50 - Lateral Load Bearing Metal Stud System.~~

.3 Section 06 16 43 - Gypsum Sheathing.

.4 Section 07 21 00 - Thermal Insulation.

.5 Section 07 21 19.13 - Foamed-in-Place Urethane Insulation.

.6 Section 07 42 13 - Metal Wall Panels.

.7 Section 07 62 00 - Sheet Metal Flashing and Trim.

.8 Section 07 92 00 - Joint Sealants.

1.2 REFERENCES

.1 AAMA 2605-22: Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (With Coil Coating Appendix).

.2 ASTM A123/A123M-17: Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

.3 ASTM A153/A153M-23: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.

.4 ASTM B209/B209M-21a: Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.

.5 ASTM B221M-21: Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric).

.6 ASTM D1781-98(2021): Standard Test Method for Climbing Drum Peel for Adhesives.

.7 ASTM E283-19: Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across The Specimen.

.8 ASTM E331-00(2016): Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.

.9 CSA S136-16: North American Specification for the Design of Cold-Formed Steel Structural Members.

.10 CAN/ULC-S102-2018 (REV1): Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

1.3 SHOP DRAWINGS

.1 Submit Shop Drawings as specified in Section 01 33 00.

.2 Shop Drawings: Project-specific drawings, illustrating:
.1 Large scale details of members and materials, schedule of elevations, trim and closure pieces, soffits, fascia; detail and location of joints and gaskets, including joints necessary to accommodate thermal movement;
.2 Large scale details of brackets and anchorage devices and of connection details;

.3 Fully dimensioned layouts for positioning of brackets and anchorage devices to structures;
.4 Dimensions and thicknesses;
.5 Description of materials including catalogue numbers, products and manufacturer's names;
.6 Finish specifications; and
.7 Other pertinent data.

.3 Submit documentation of:
.1 Thicknesses, profiles and descriptions of components used in assembly;
.2 Engineering calculations verifying assembly has been designed, constructed and attached to withstand forces anticipated for Project and will meet performance criteria required by applicable regulatory requirements.
.3 Ensure calculations are stamped, signed and dated by fabricator's design engineer.

1.4 SAMPLES

.1 Submit samples as specified in Section 01 33 00.

.2 Selection Samples: Duplicate 90 x 90 mm size prefinished metal samples, illustrating full range of available colours.

.3 Verification Samples: Duplicate 90 x 90 mm size samples for each panel type, illustrating selected finish, fabrication, and anchorage method.

1.5 QUALIFICATIONS

.1 Fabricator's Design Engineer: A professional structural engineer experienced in designing composite wall panel systems, licensed to practice at Place of the Work.

.2 Fabricator and Installer: A firm specializing in fabricating and erecting composite wall panel assemblies, having minimum 5 years documented experience.

1.6 MOCK-UPS

.1 Construct mock-ups as specified in Section 01 40 00.

.2 Mock-Up Panel: A 1 220 x 1 220 mm size mock-up panel, demonstrating panel profiles, textures, and colours; jointing and gasketing techniques; metal flashings; method of attachment to substrate; and including wall components such as air/vapour barrier membrane, through-wall flashing membranes, thermal wall insulation and method of drainage.

.3 Accepted mock-ups will be used as the standard for acceptance of the Work.

.4 Remove and replace installed Product that does not conform to accepted mock-up.

.5 Remove mock-ups from Place of the Work upon Ready-for-Takeover.

1.7 DELIVERY, STORAGE AND HANDLING

.1 Refer to Section 01 60 00.

.2 Deliver and store Products in original wrappings, cartons or containers clearly marked as to type, colour and manufacturer.

.3 Stack on wood blocking, clear of ground, and tilted sufficiently to ensure no water remains on material.

.4 Open bundles on underside to allow drainage from leaks or condensation.

1.8 WARRANTY

.1 Submit extended warranty in accordance with General Conditions of the Contract.

.2 Extended Warranty: For a period of 20 years, covering failure of factory-applied exterior finish.

2 Products

2.1 MANUFACTURERS

.1 Manufacturers of aluminum composite material having Product considered acceptable for use:
.1 3A Composites USA Inc.
.2 Alcoa Cladding Systems.
.3 Alcotex, Inc.
.4 Alucoil North America.
.5 Architectural Metals North America Corporation.
.6 Mitsubishi Chemical Composites America, Inc.

.2 Substitution Procedures: Refer to Section 01 25 00.

2.2 DESCRIPTION

.1 Aluminum Composite Panels (ACP): A dry-joint panel assembly, comprised of panels fabricated from aluminum composite material, and supported from a panel load transfer grid.

2.3 DESIGN CRITERIA

.1 Design panel assembly to accommodate wind loading, weight carrying requirements and wind deflection limitation of L/800. Conform to CSA S136.

.2 Design panel assembly as a drained rain screen.

.3 Design panel assembly to meet MMA Supplementary Standard SB-10, Nonresidential Category, Climate Zone 5.

.4 Deflection Limits: Maintain integrity of panels and seals at design loading. Prevent permanent deformation of members caused by applied loads. Prevent deflection that could result in noise, breaking of adhesives or sealants, to cause them to touch other building components, or to break the integrity of the insulation thermal blanket or air/vapour barrier seal.

.5 Design anchors, fasteners and braces so as to limit their structural stress to not more than 50 percent of the allowable stress when maximum load conditions are applied.

.6 Panel Removal: Designed as a non-progressive system, allowing removal of any individual panel without necessitating removal of adjacent components.

.7 Structural Movement: Design system to accommodate movement of supporting structural framing without causing bowing, buckling, delamination, oil canning, excessive stress on fasteners, or any other detrimental effects.

.8 Thermal Movements: Design system to accommodate thermal movements from ambient and surface temperature changes. Prevent buckling, opening of joints, overstressing of components, failure of connections and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime sky heat loss.
.1 Temperature Change: 20 degrees C ambient, and 40 degrees C material surfaces.

2.4 PERFORMANCE CRITERIA

.1 Aluminum Composite Panel Assembly (ACP): Meeting the following performance criteria:
.1 Air Infiltration (ASTM E283): $\leq$ 0.3 L/m^2 @ 75 Pa.
.2 Water Penetration (ASTM E331): No water penetration at a pressure difference of 300 Pa.

2.5 MATERIALS

.1 Sheet Aluminum: To ASTM B209/B209M, 3105 alloy, H14 temper; 0.51 mm thick.

.2 Extruded Aluminum: To ASTM B221M, 6063 alloy, T5 temper.

.3 Bituminous Coating: Fibrous asphalt emulsion.

.4 Joint Sealant: Exterior weatherseal sealant, SEAL-EXT as specified in Section 07 92 00.

2.6 COMPONENTS

.1 Aluminum Composite Material (ACM): Front and rear faces of sheet aluminum, factory bonded to a fire-rated inorganic (FR) core; and having the following physical properties:
  .1 Thickness: 4 mm.
  .2 Surface Burning Characteristics (CAN/ULC-S102):
    .1 Flame Spread Index = 0.
    .2 Smoke Developed Index = 30.
  .3 Bond Integrity (ASTM D1781): No adhesive failure of bond between core and skins.
  .4 Finishes: Monochromatic paint coating.
  .5 Product and Manufacturer Name: eg. Alpolic/fr by Mitsubishi Chemical Composites America, Inc.

.2 Panel Load Transfer Grid: 1.2 mm thick galvanized steel hat bars, adjustable Z-bars or combination clip and Z-bar.

.3 Sills: Matching thickness and finish as panels; complete with reinforced back-up splice plates at joints and directional changes.

.4 Metal Trim and Flashing: 1.5 mm thick aluminum, finish to match panels.

.5 Fasteners: Stainless steel; concealed type; as recommended by panel manufacturer.

.6 Thermal Spacers: Thermal isolation clip capable of supporting vertical and horizontal subgirts; sizes as indicated on Drawings; ISO Clip by Northern Facade.

2.7 FABRICATION

.1 Shop fabricate Products as far as possible.

.2 Fabricate panels from aluminum composite material to sizes, depths and thicknesses as indicated on accepted Shop Drawings.

.3 Layout cutting, punching and forming at Shop Drawing stage to avoid cutting at Place of the Work.

.4 Fabricate system with straight lines, square corners or smooth bends, free from twists or warps, kinks, dents and other imperfections which may affect the appearance or serviceability of the installed system.

.5 Fabricate system to have a flush appearance from exterior, with no surface attachments or other irregularities, and with no reveal other than the module joint width.

.6 Align panels with no lap or reveal other than joint width to permit expansion and contraction.

.7 Use metal of sufficient thickness, configured to adequate detail and sufficiently supported to provide adequate strength and stiffness to resist distortion of finished surfaces.

.8 Dress exposed edges and ends smooth and free of sharp edges.

.9 Fabricate panels with flanges on all sides, framed with aluminum extrusions. Include uniformly radiused corners with factory welded connections. Grind smooth.

.10 Accommodate panel drainage at base of each panel.

.11 Coordinate and Provide openings for protrusions required by other Sections. Reinforce openings greater than 300 mm square.

.12 Panel lines, breaks, and angles to be sharp, true, and surfaces free from warp or buckle.

2.8 FABRICATION TOLERANCES

.1 Panel Flatness: Maximum deviation in any direction of 0.2 percent.

.2 Panel Bow Tolerance: Maximum 0.8 percent of panel dimension in width and length.

2.9 FINISHES

.1 Monochromatic Paint Coating on Aluminum: To AAMA 2605; two-coat thermosetting fluoropolymer PVDF liquid extrusion and coil coating, factory-applied to 0.03 mm dry film thickness; eg. Alpolic Stock Colours by Mitsubishi Chemical Composites America, Inc., CNC Charcoal colour.

.2 Galvanized Coating on Steel Components: To ASTM A123/A123M, Coating Grade 55; hot dipped zinc alloy coating.

.3 Galvanized Coating on Steel Hardware: To ASTM A153/A153M, Classes B3, C or D; hot dipped zinc alloy coating.

3 Execution

3.1 EXAMINATION

.1 Refer to Section 01 71 00.

.2 Verify substrates are plumb within 1:1000 of overall height, and are plus or minus 3 mm within designed location.

3.2 PREPARATION

.1 Maintain uniform temperature in work area, adequate for work being performed, as recommended by manufacturer.

.2 Securely install thermal spacers to substrate at spacing indicated on accepted Shop Drawings.

.3 Secure panel load transfer grid to thermal spacers.

.4 Construct panel load transfer grid using interlocking clips as indicated on accepted Shop Drawings. Transmit design loads to structural supports.

3.3 INSTALLATION

.1 Install Product plumb, true, level and in alignment, to established lines and elevations.

.2 Securely anchor panels onto panel load transfer grid with concealed mechanical fasteners, clips and perimeter framing extrusions.

.3 Completed installation to be free of distortion and surface imperfections, uniform in colour and gloss.

.4 Isolate dissimilar metals with a bituminous coating to prevent electrolytic action.

.5 Install flashings to divert moisture to exterior.

.6 Provide proper weatherproof seals at all perimeter junctions. Seal joints as specified in Section 07 92 00.

3.4 TOLERANCES

.1 Maximum Deviation from Vertical and Horizontal Alignment: 6 mm in 6 000 mm.

.2 Maximum Deviation from Panel Flatness: 3 mm in 1 500 mm panel in any direction for assembled units (non-accumulative).

3.5 ADJUSTING

.1 Touch up marks or abrasions as work proceeds.

.2 Discard dented panels.

.3 Defective Products or workmanship, whenever found at any time prior to final acceptance of the Work will be rejected regardless of previous acceptance.

3.6 CLEANING

.1 Refer to Section 01 74 00.

.2 Clean panels free of grime and dirt.

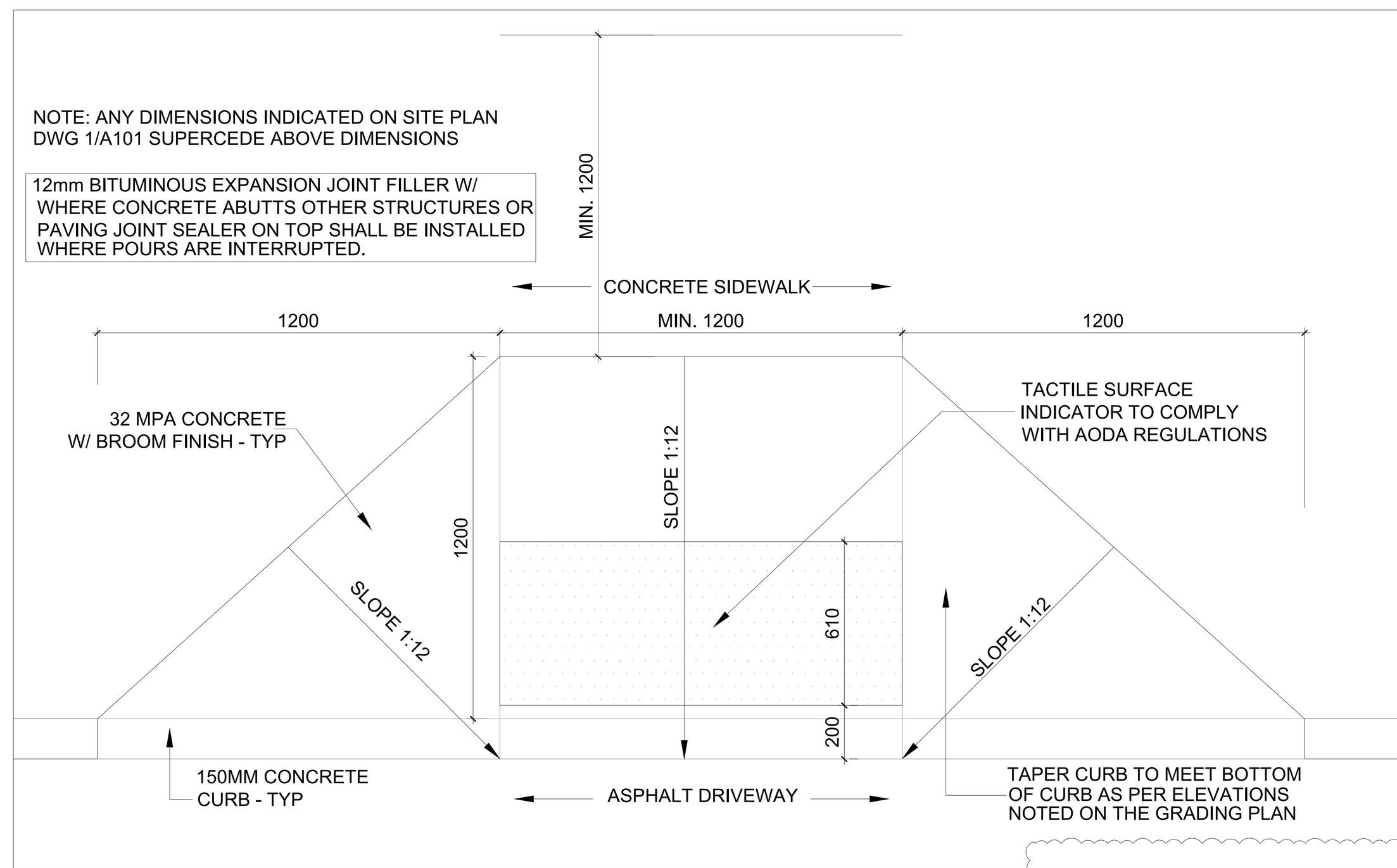
3.7 PROTECTION

.1 Refer to Section 01 76 00.

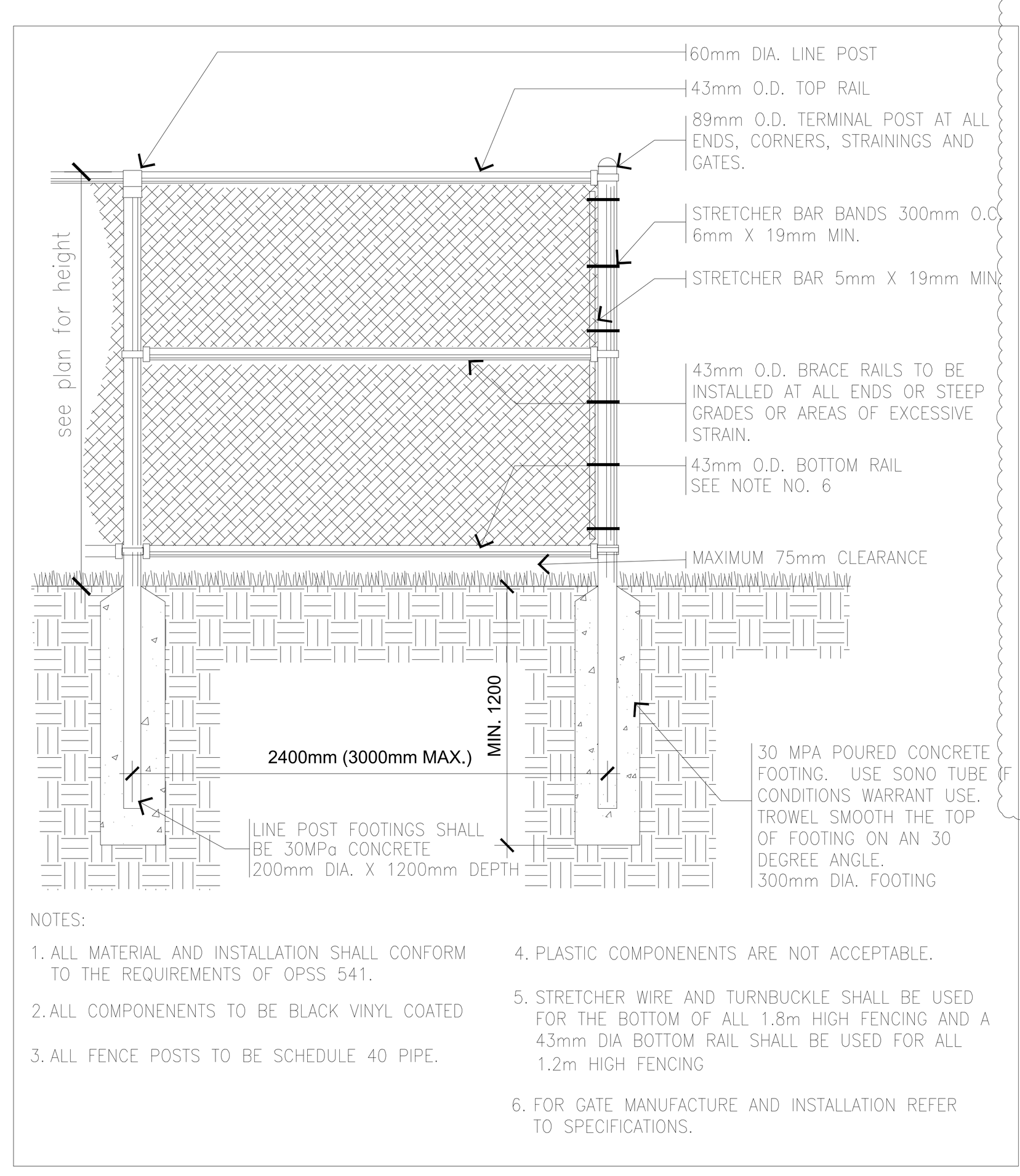
.2 Protect completed installation from damage.

.3 Make Good damage.

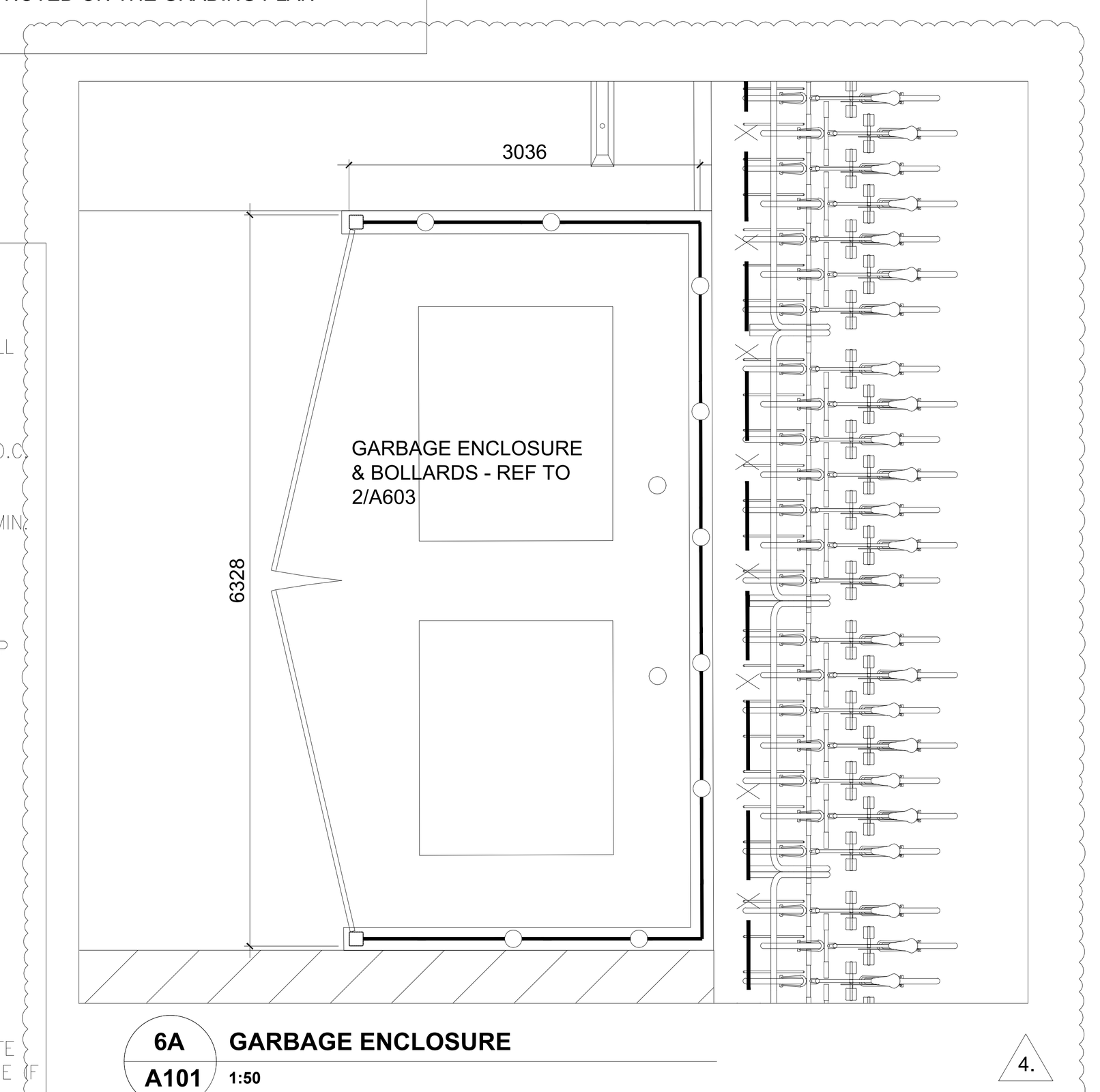
END OF SECTION



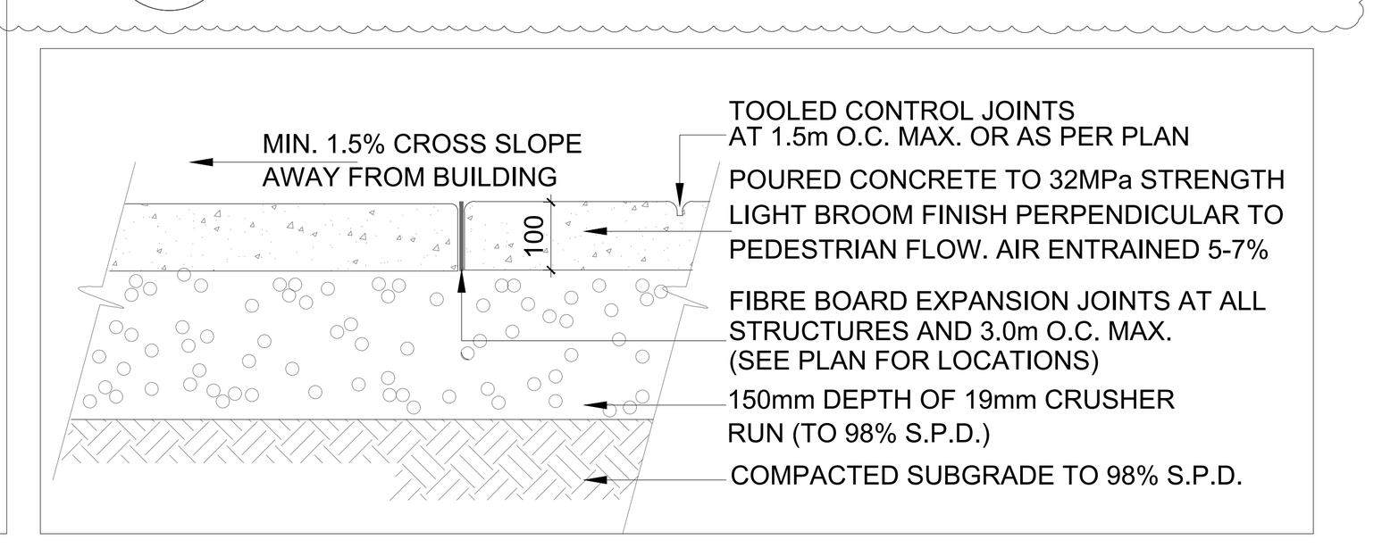
7 / A101 **TYPICAL CURB RAMP DETAIL**
N.T.S.



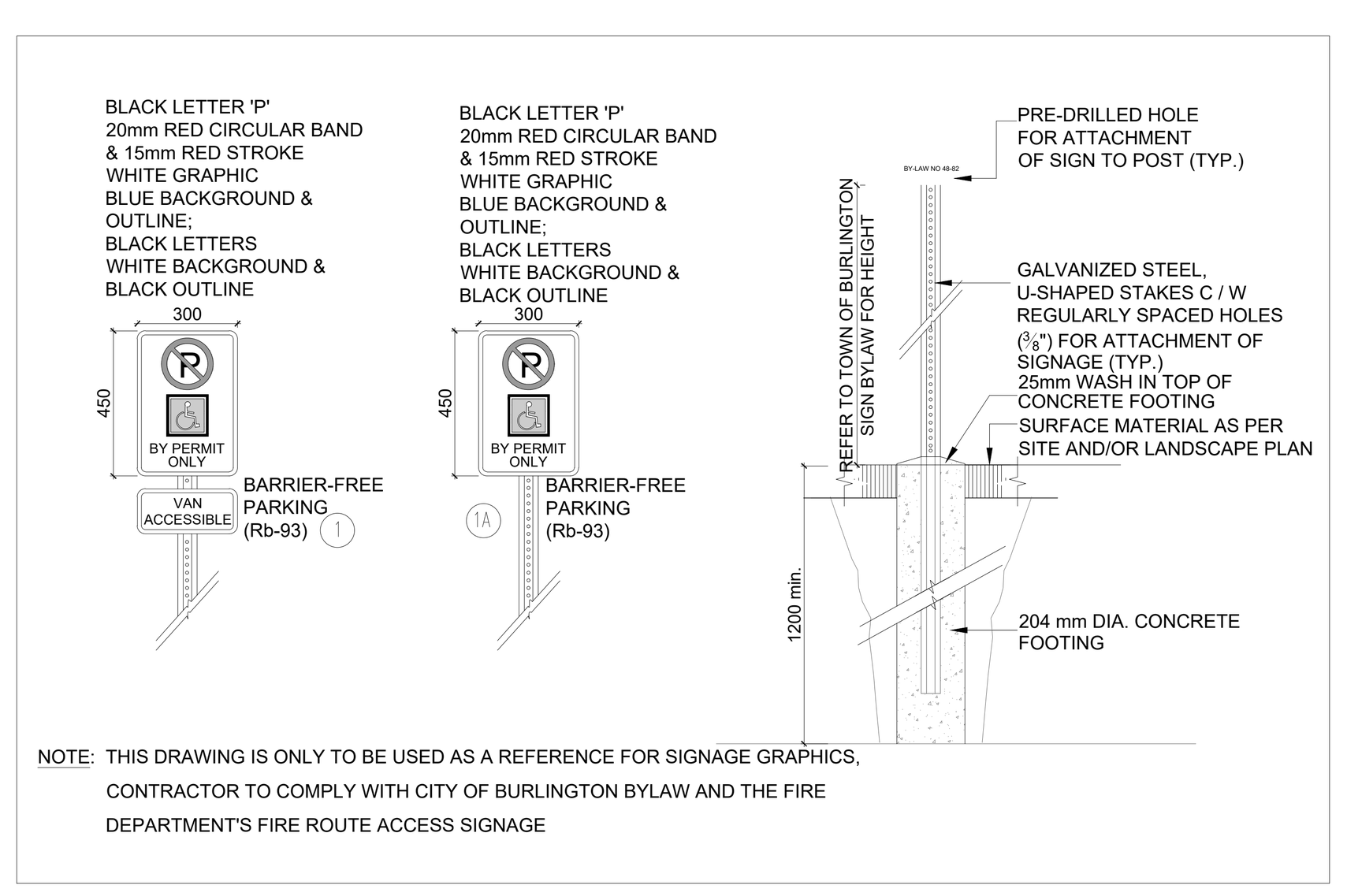
6 / A101 **BLACK VINYL CHAIN LINK FENCE**
N.T.S.



6A / A101 **GARBAGE ENCLOSURE**
1:50

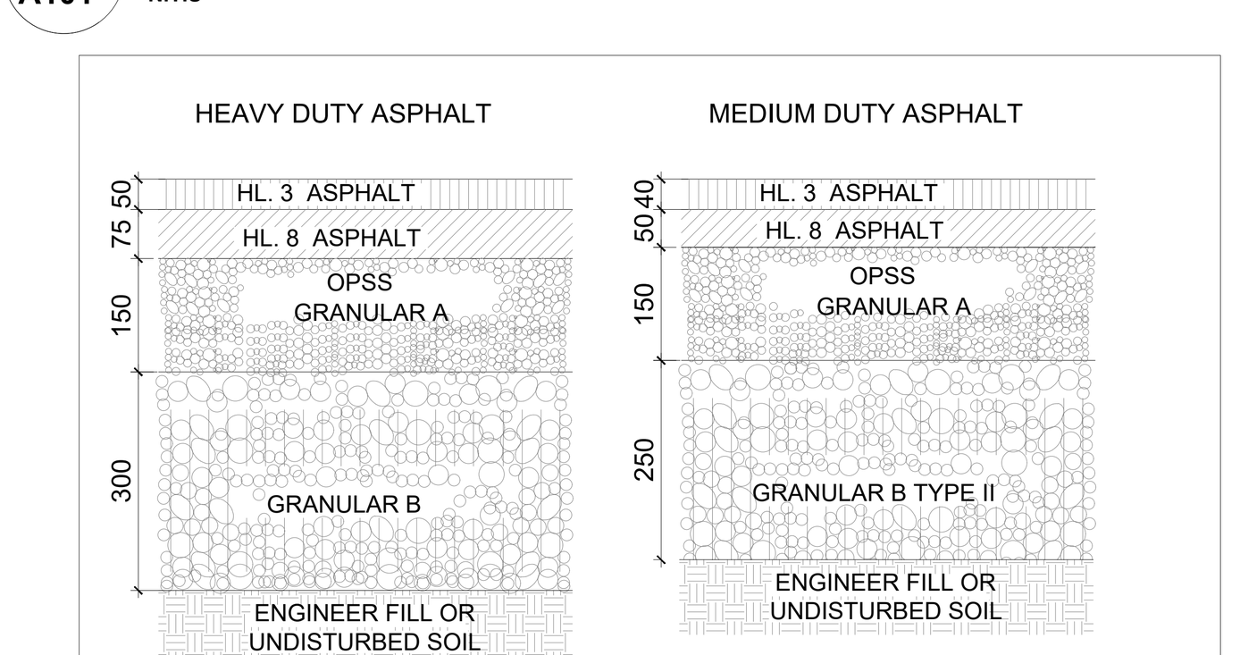


5 / A101 **POURED CONCRETE WALKWAY**
N.T.S



NOTE: THIS DRAWING IS ONLY TO BE USED AS A REFERENCE FOR SIGNAGE GRAPHICS, CONTRACTOR TO COMPLY WITH CITY OF BURLINGTON BYLAW AND THE FIRE DEPARTMENT'S FIRE ROUTE ACCESS SIGNAGE

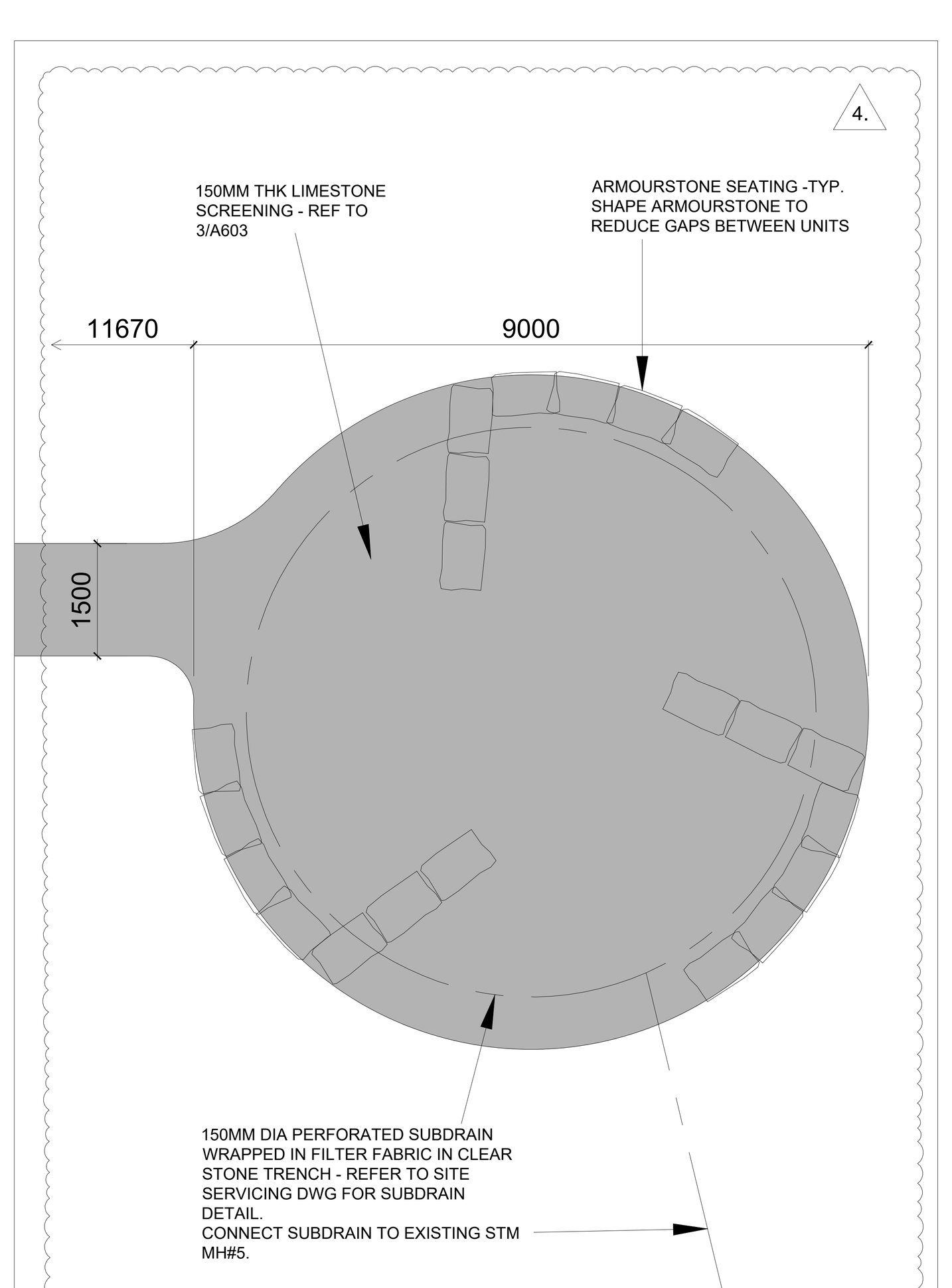
4 / A101 **TRAFFIC SIGNS**
N.T.S.



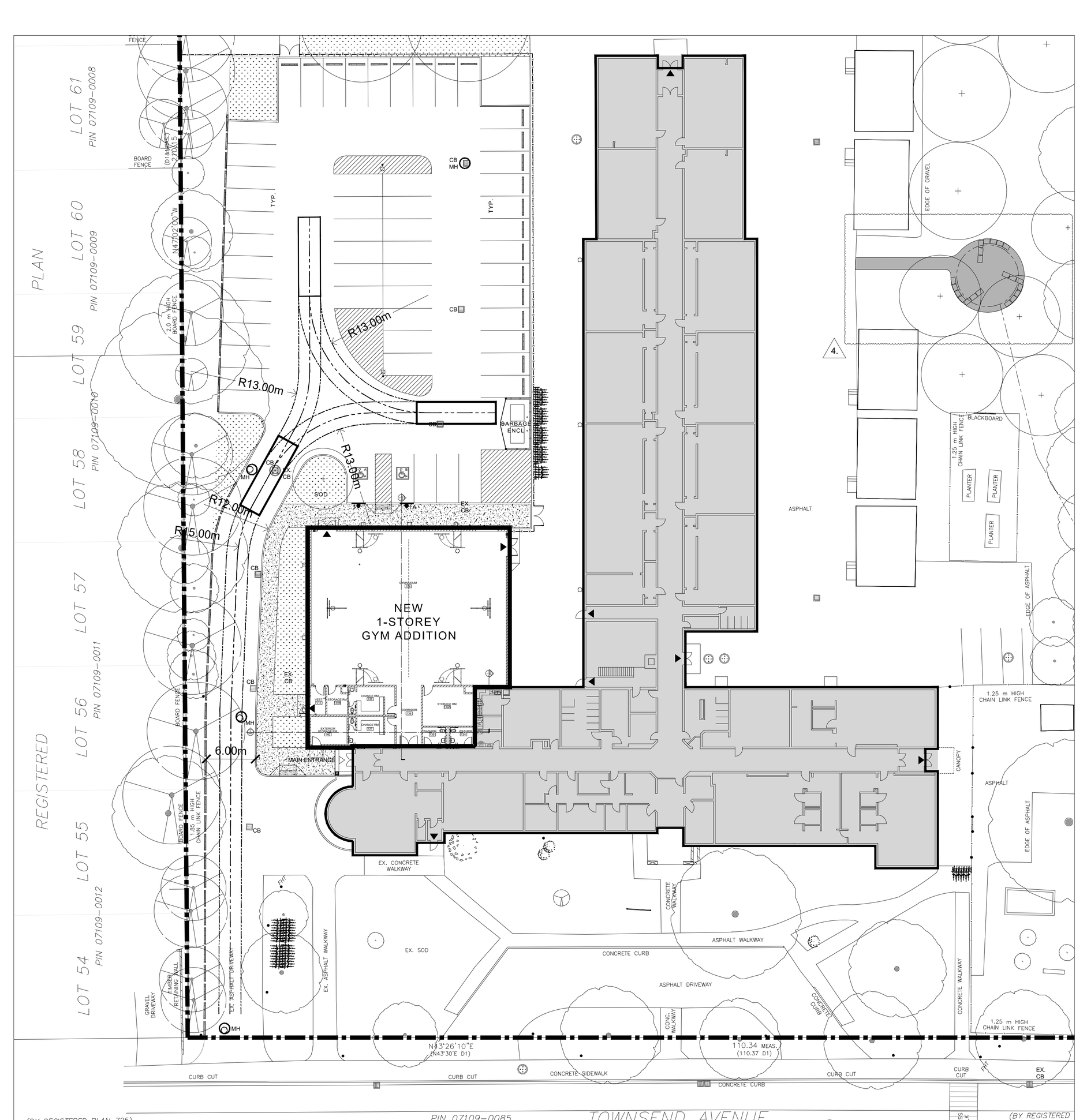
GENERAL NOTES:

1. ALL GRANULAR FILL MATERIAL SHALL BE COMPACTED TO 98% SPMDD.
2. TOPSOIL, DEBRIS & LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
3. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING, MATCH FINISH GRADE AND SLOPE.
4. PROVIDE PAVEMENT MARKINGS, SYMBOLS, DIRECTION ARROWS, AS INDICATED ON PLAN.
5. SHOULD THE PROPOSED ROADS BE CONSTRUCTED DURING WET SEASONS, THE GRANULAR SUB/BASE SHOULD BE REPLACED BY AN EQUAL THICKNESS OF COMPACTED SIZE 50mm CRUSHER-RUN LIMESTONE.

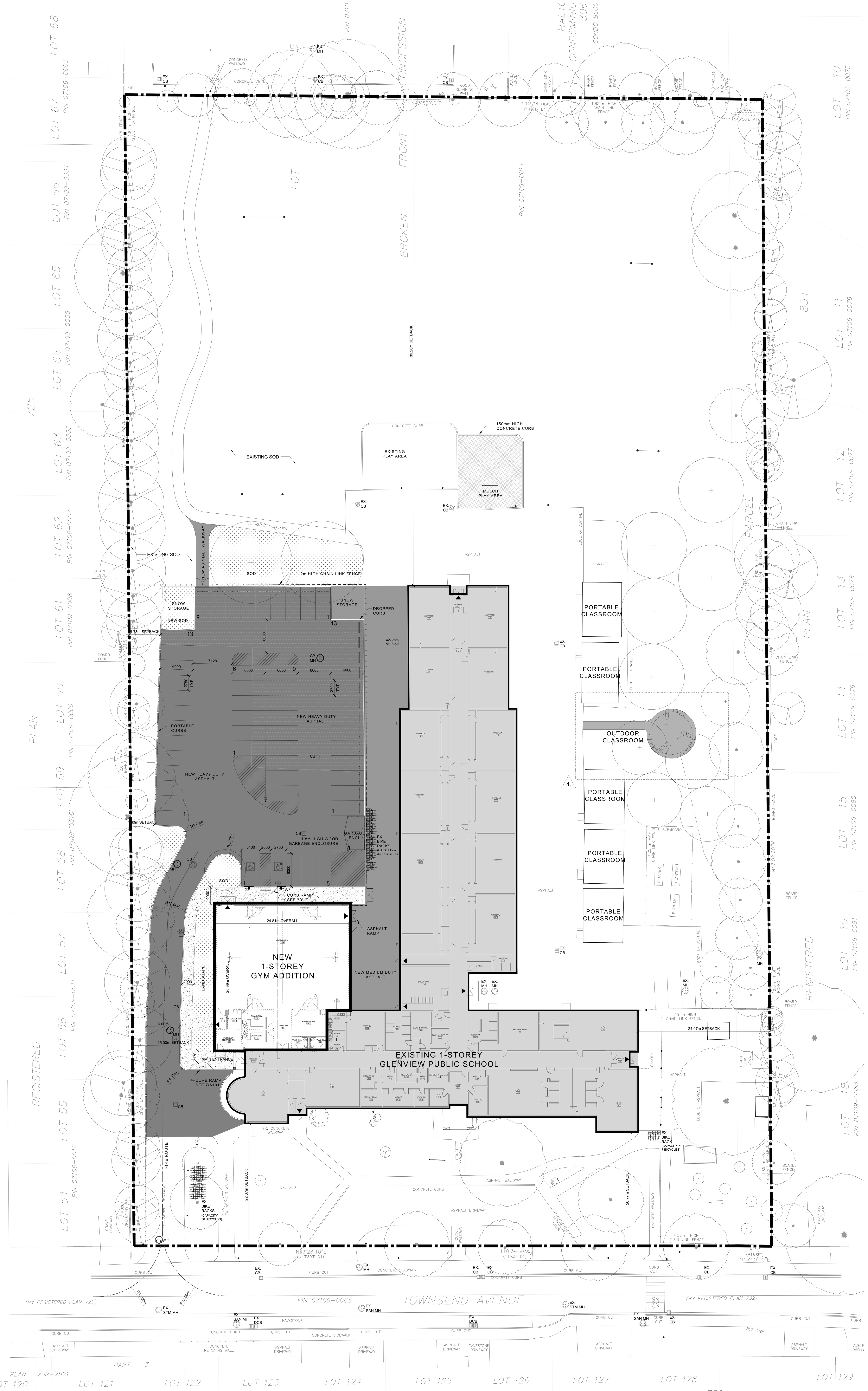
3 / A101 **ASPHALT PAVING**
N.T.S



2A / A101 **OUTDOOR CLASSROOM**
1:75



2 / A101 **GARBAGE TRUCK CIRCULATION PLAN**
1:600



1 / A101 **SITE PLAN**
1:300

SITE PLAN NOTES

1. OWNER
   - 1.1 HALTON DISTRICT SCHOOL BOARD
   - 1.2 2050 Guelph Line, Burlington, ON L7P 5A8 Tel.: 905-335-3665
2. MUNICIPAL ADDRESS OF PROJECT
   - 2.1 143 TOWNSEND AVE., BURLINGTON, ON.
3. LEGAL DESCRIPTION / SURVEY INFORMATION
   - 3.1 LEGAL DESCRIPTION
     PARCEL A, REGISTERED PLAN PF834 AND PART OF LOT 5, BROKEN FRONT CONCESSION (ORIGINALLY IN TOWNSHIP OF EAST FLAMBOROUGH), CITY OF BURLINGTON, REGIONAL MUNICIPALITY OF HALTON
   - 3.2 SURVEY INFORMATION TAKEN FROM:
     COMPILED TOPOGRAPHIC SURVEY DATED NOVEMBER 28, 2023 - BY: BORYS KUBICKI TARASICK McMILLAN KUBICKI LIMITED ONTARIO LAND SURVEYORS TEL.: 905-569-8849
4. OCCUPANCY CLASSIFICATION

	O.B.C. BUILDING CLASSIFICATION -	
	- EXISTING BUILDING DOES NOT FIT IN ANY CURRENT OBC BUILDING CLASSIFICATION.	-
	- NEW GYM BUILDING	3.2.2.25
4.1	EXISTING USE - ELEMENTARY SCHOOL	
4.2	BUILDING AREA EXISTING	2,814.00 m²

5. PROJECT DATA

5.1	LOT AREA	2.44 Ha (24,419 m²)
5.2	EXISTING LOT COVERAGE (2,814.00/ 24,419.00 = 11.52%)	11.52%
5.3	EXISTING GROSS FLOOR AREA	2,802.70 m²
5.4	GYM BLDG. GROSS FLOOR AREA	634.85 m²
5.5	TOTAL GROSS FLOOR AREA	3,437.55 m²
5.6	PARKING	
	PARKING REQ'D (1.5 SPACES / 1 CLASS RM)	1.5X20
	(TOTAL EXISTING CLASSROOMS= 15)	=30
	(TOTAL EXISTING PORTABLES= 5)	
	TOTAL PARKING REQUIRED	30
	BARRIER FREE PARKING REQUIRED	2
	BARRIER FREE PARKING PROVIDED	2
	TOTAL PARKING PROVIDED	55
	BICYCLE PARKING REQ'D (1 SPACE / 10 STUDENTS)	404/10
	(TOTAL STUDENTS = 404) &	=40.4
	(1 SPACE / 35 STAFF, TOTAL STAFF = 35)	=1
	TOTAL BICYCLE PARKING REQUIRED	41
	TOTAL BICYCLE PARKING PROVIDED	76
5.7	BUILDING SETBACKS	
	FRONT YARD	Existing
	REAR YARD	Existing
	EAST SIDE YARD	Existing
	WEST SIDE YARD	15.00 m
5.8	BUILDING HEIGHT- EXISTING & NEW	1 STOREY

SITE PLAN LEGEND

- ASPHALT AREA HEAVY DUTY - NEW
- ASPHALT AREA HEAVY DUTY - REPLACE EXISTING
- ASPHALT AREA MEDIUM DUTY - REPLACE EXISTING
- CONC. WALKWAY
- SOD / LANDSCAPE AREA - REFER TO LANDSCAPE DWGS.
- MULCH PLAY AREA REFER TO LANDSCAPE DWGS.
- CHAIN LINK FENCE (CLF)
- PAVEMENT MARKING PAINT
- TRAFFIC SIGN
- EX CB — EX. CATCH BASIN SEE CIVIL DWGS
- EX MH — EX. MANHOLE SEE CIVIL DWGS
- CB MH — CATCH BASIN MANHOLE SEE CIVIL DWGS
- MH — MANHOLE SEE CIVIL DWGS
- WALL MOUNTED LIGHT SEE ELEC DRAWINGS
- PARKING LOT LIGHT STANDARD SEE ELEC DRAWINGS
- NEW TREES REFER TO LANDSCAPE DWGS.

Halton District School Board
2050 Guelph Line, Burlington, ON. L7P 5A8

Glenview Public School
Gym Addition

143 Townsend Ave., Burlington, ON. L7T 1Z1

Architects
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100 Broadview Ave, Suite 301, Toronto, ON M4M 3H3
t. 416.966.5444, w. snyderarchitects.ca

Mechanical and Electrical Consultants
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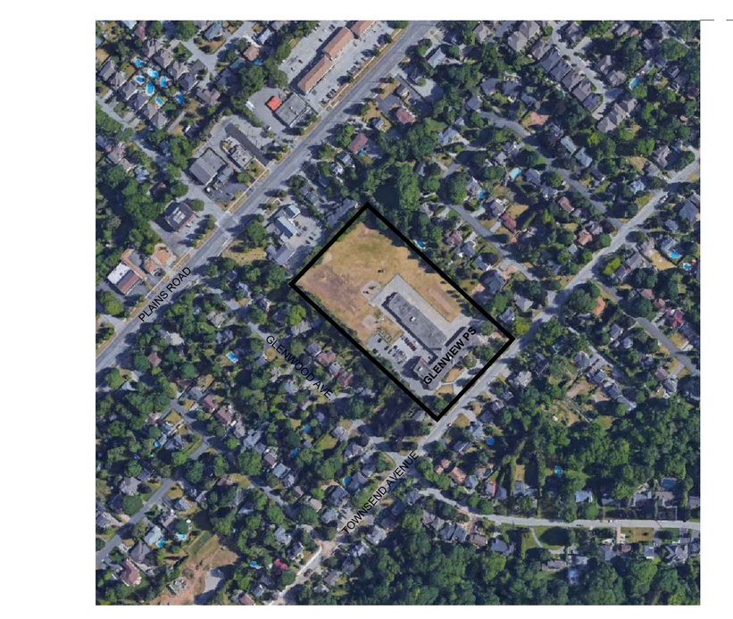
Tel: 905-333-9119

Civil Consultant
Flora Designs Inc.
1109 Britannia Rad East, Mississauga, ON L4W 3X1
Tel: 647-496-8055

Landscape Consultant
OMC Landscape Architecture
270 Sherman Ave. N., Suite 315-MILL Hamilton, ON L8L 6N4
Tel: 905-681-7604

Key Plan N.T.S.



Project North   True North

No	Revision	Date
4.	Reissued for Addendum 02	2024 05 24
3.	Issued for Tender	2024 05 03
2.	Issued for Building Permit	2024 05 02
1.	Issued for SPA Submission	2024 02 27

Scale 1:100   Unless Indicated Otherwise

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS
AVINASH GARDE LICENCE 6242

Drawing Title:

SITE PLAN

Scale:	AS NOTED	Date:	2024 02 27
Drawn by:	AP	Checked by:	AG
Job No.	2314	Drawing No.	A101

This drawing is sized for 36"x48" sheet size. If not the above size, interpret the drawing accordingly.

ABBREVIATIONS

ACL	- ACTIVE LEAF
ACT	- ACOUSTIC CEILING TILE
AFF	- ABOVE FINISH FLOOR
CET	- CERAMIC TILE
CJ	- CONTROL JOINT
CMB	- CEMENT BOARD
CMU	- CONCRETE MASONRY UNIT
CONT	- CONTINUOUS
CP	- CONTROL PANEL, REF. MECH/ELEC
C/S	- SEALED CONCRETE
CHU	- SEMI RECESSED UNIT HEATER
CWP	- CONCRETE WALL PAINTED
C/W	- COMPLETE WITH
E.J.	- EXPANSION JOINT
EEW	- **EMERGENCY EYE WASH STATION. SEE MECH DWGS**
EX/EXST.	- EXISTING
EXP	- EXPOSED
FD	- FLOOR DRAIN. SEE MECH DWGS
FE	- WALL MOUNTED FIRE EXTINGUISHER, SEE MECH. DWGS
FEC	- FIRE EXTINGUISHER CABINET. FULLY RECESSED
FRR	- FIRE RESISTANT RATING
FS	- FROST SLAB
GB	- GYPSUM BOARD
GB-AR	- ABUSE RESISTANT GYPSUM BOARD
GL	- GLAZING
GWB	- GYPSUM WALL BOARD
HM	- HOLLOW METAL
HP	- HARDWOOD PLYWOOD
HP-MR	- HARDWOOD PLYWOOD - MOISTURE RESISTANT
MB	- MARKER BOARD
MIR	- MIRROR
MIRR	- MIRRORED
MS	- METAL SHELVING
NIC	- NOT IN CONTRACT
NTS	- NOT TO SCALE
PB	- PUSH BUTTON MOUNTED IN MASONRY
PFT	- PORCELAIN FLOOR TILE
PT.PLY	- PRESSURE TREATED PLYWOOD
PTD	- PAPER TOWEL DISPENSER
RD	- ROOF DRAIN
SD	- SOAP DISPENSER
SIM	- SIMILAR
SS/ST. STL	- STAINLESS STEEL
TB	- TACK BOARD
TPD	- TOILET PAPER DISPENSER
TGL	- TEMPERED GLASS
UNO	- UNLESS OTHERWISE NOTED
U/S	- UNDERSIDE
VCT	- VINYL COMPOSITE TILE
W/	- WITH
WT	- WEEPER TILE DRAINAGE SYSTEM (COORD. W/ MECH. FOR CONNECTION TO STORM SYSTEM)

FLOOR PLAN NOTES

1. ALL INTERIOR PARTITION WALLS TO BE EXTENDED UP TO UNDERSIDE OF ROOF DECK ABOVE UNLESS NOTED OTHERWISE. NON LOAD BEARING WALLS TO STOP 25mm BELOW THE UNDERSIDE OF UNDERSIDE OF ROOF DECK. PROVIDE CONTINUOUS SOUND SEALS AT TOP. (ULC) LISTED FIRE STOP & SMOKE SEAL @ U/S OF ROOF DECK AND PENETRATIONS PERIMETER REQUIRED AT ALL RATED WALLS.
2. PROVIDE BULLNOSE CMU WHERE OUTSIDE CORNERS ARE EXPOSED - TYPICAL. FIRST COURSE ABOVE FINISHED FLOOR NOT TO HAVE BULLNOSE, TO ALLOW CLEAN INSTALLATION OF BASE MATERIAL. CMU COURSE AT CEILINGS NOT TO HAVE BULLNOSE EDGE. THIS IS TO PROVIDE CLEAN CONNECTION WITH CEILING MATERIALS.
3. ALL DIMENSIONS ON FLOOR PLANS ARE SHOWN AS MASONRY OPENINGS. (ROUGH OPENINGS)
4. ALL STEEL LINTELS/ BEAMS IN EXTERIOR WALLS TO BE GALVANIZED- SEE SPECIFICATIONS.
5. WALLS ABOVE OPENINGS TO BE MASONRY U.N.O. (LINTELS REFER TO STRUCTURAL DRAWINGS)
6. PROVIDE 100mm SOLID CMU CHASE AROUND ALL PIPE AND DUCT DROPS AS REQUIRED. CO-ORDINATE WITH MECH. DWGS.
9. MASONRY CONTROL JOINTS:
   a) EXTERIOR VENEER - REFER TO BUILDING ELEVATIONS.
   b) EXTERIOR CORE - REFER TO STRUCTURAL DWGS.
   c) INTERIOR LOAD-BEARING WALLS - PROVIDE CONTROL JOINTS ON BOTH SIDES OF OPENINGS TYP. REFER TO STRUCTURAL FOR ADDITIONAL JOINTS.
   d) INTERIOR NON LOAD-BEARING WALLS - PROVIDE CONTROL JOINTS ON BOTH SIDES OF OPENINGS TYP. SPACING NOT TO EXCEED 5m.
10. PROVIDE NEW MANUAL WINDOW SHADES
   a) AT WINDOWS 'WIN2' IN GYM 139.
   b) PROVIDE WOOD BLOCKING @ WINDOW HEADS FOR SHADE INSTALLATION.
12. CONTRACTOR TO VERIFY EXISTING BUILDING DIMENSIONS AND MODIFY NEW CONSTRUCTION TO SUIT.
13. GRIND DOWN OR RAISE EXISTING FLOOR SUBSTRATE TO PROVIDE POSITIVE DRAINAGE TO NEW OR EXISTING FLOOR DRAIN.
14. USE SELF LEVELING COMPOUND IF REQUIRED UPON REMOVAL OF EXISTING FLOORING TO SUITE NEW FLOOR INSTALLATION.
15. APPLIANCES NOTED AS NIC TO BE SUPPLIED BY CLIENT AND INSTALLED BY THE CONTRACTOR.

EXTERIOR WALL TYPES

EW1
90mm BRICK (TYPE 1)
25mm AIR SPACE
75mm SPRAY-ON INSULATION (INS-FIP-1)
AIR/VAPOUR BARRIER (ONLY AS SHOWN ON DETAILS)
190mm CONCRETE BLOCK (CMU)

EW1a
90mm BRICK (TYPE 1)
25mm AIR SPACE
75mm SPRAY-ON INSULATION (INS-FIP-1)
AIR/VAPOUR BARRIER (ONLY AS SHOWN ON DETAILS)
240 CONCRETE BLOCK (CMU)

EW2
22mm MWP-1 HORIZONTAL
25mm Z-GIRT
75mm THERMAL SPACERS
w/ 75mm SPRAY FOAM INS-FIP-1
240 CONCRETE BLOCK (CMU)

INTERIOR PARTITION WALL TYPES

PW1	190mm CONCRETE BLOCK
PW1a	190mm CONCRETE BLOCK-2HR RATED (FIREWALL/SEPARATION)
PW2	240mm CONCRETE BLOCK
PW2a	240mm CONCRETE BLOCK-2HR RATED (FIREWALL)
PW3	140mm CONCRETE BLOCK
PW4	92mm METAL STUDS @ 400 O.C. 89mm ACOUSTICAL INSULATION 15.9mm GYPSUM BOARD (GB-AR) HEIGHT OF WALL - UPTO 200MM ABOVE CEILING
PW5	15.9mm GYPSUM BOARD (GB-AR) 41mm FURRING CHANNEL @ 400 O.C. EXISTING BLOCK WALL

FLOOR TYPES

F1 **FLOOR TYPE 1**
FLOOR FINISH AS PER ROOM FINISH SCHEDULE
CONCRETE SLAB - THICKNESS AS PER STRUCTURAL
BELOW-SLAB VAPOUR RETARDER
AGGREGATE BASE COURSE

ROOF TYPES & LEGEND

3

R1 **BUILT-UP BITUMINOUS ROOFING (SECTION 07 51 00)**
GRAVEL SURFACE FINISH (HOT APPLIED FLOOD COAT)
4-PLY TYPE IV FELT WITH 1-PLY COMPOSITE FELT WITH HOT APPLIED INTER-PLY ADHESIVE
13mm COVER BOARD
TAPERED INSULATION (INS-RB-3) WHERE REQUIRED
100mm / 2 LAYERS (MIN.) ROOF INSULATION (INS-RB-3)
VAPOUR RETARDER
13mm UNDERLAY BOARD
METAL DECK
STEEL ROOF STRUCTURE - SLOPE ACCORDING TO ROOF PLAN

XXXX	INDICATES ROOF ELEVATION U/S OF THE STEEL DECK OR TOP OF PRECAST ROOF SLAB
TP XXXX	TOP OF MASONRY PARAPET
SLOPED STRUCTURE	ROOF DECK AND STRUCTURE TO SLOPE TOWARDS DRAIN
SCU	SCUPPER TO BE THROUGH WALL AS INDICATED ON DETAIL THE UNDERSIDE OF THE SCUPPER PIPE TO BE MAX.150mm ABOVE ROOF DRAIN
RD	ROOF DRAIN - REF MECH. DWGS
VTR	VENT THROUGH ROOF
	SLOPED INSULATION - MIN. 1%
	INDICATES DIRECTION OF SLOPE
(LP)	INDICATES ROOF LOW POINT
(HP)	INDICATES ROOF HIGH POINT

WINDOW / SHADES LEGEND

PROVIDE WINDOW COVERING FOR ALL EXTERIOR GLAZING. PROVIDE 19mm PLYWOOD AT U/S OF BEAM FOR WINDOW COVERING INSTALLATION WHERE NECESSARY. PROVIDE MOTORIZED SHADES AT EXTERIOR WINDOWS IN ROOM 139. REFER TO CASH ALLOWANCE.

FIRE RATING LEGEND

REFER TO DWG. A102 FOR INDICATION OF FIRE SEPARATIONS ON FLOOR PLANS

FIRE PROTECTION LEGEND

STEEL COLUMNS SCHEDULE : TYPE OF COATING & FIRE PROTECTION

	PROTECTION / COATING	STEEL COLUMN LOCATIONS
1	INTUMESCENT COATING*	AS INDICATED ON DRAWINGS
2	1 HR FRR CMU ENCLOSURE AROUND COLUMN (90MM CMU WHERE USED TO BE FILLED SOLID - TYP)	ALL STEEL COLUMNS EXCEPT : 1. COLUMNS IDENTIFIED IN ROW 1 IN THIS TABLE 2. COLUMNS IDENTIFIED AS HAVING GB-FR ENCLOSURE W/ 1 HR FRR

STEEL BEAM SCHEDULE : TYPE OF COATING & FIRE PROTECTION

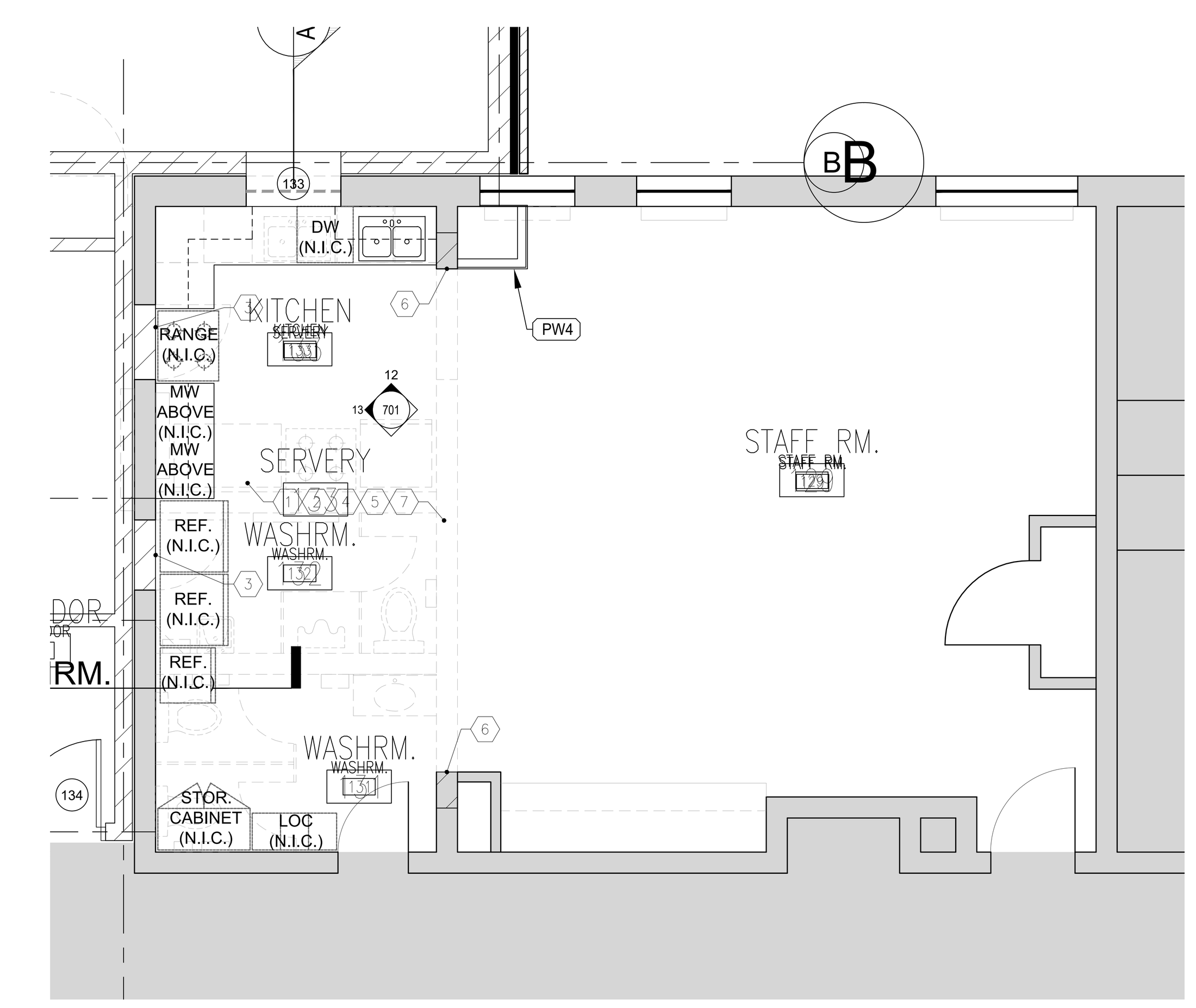
1.	OTHERWISE NOTED, ALL STEEL BEAMS SUPPORTING SECOND FLOOR STRUCTURE IN FIRE RATED WALL TO BE SPRAYED WITH FIRE RESISTIVE MATERIAL (CAFCO DC/F) FOR A 1 HR FRR AND COMPLY WITH ULC DESIGN ULJ957 (UNRESTRAINED). SPRAY FIREPROOFING TO EXTEND 300MM ALONG U/S OF PRECAST CONC. SLAB BEYOND EDGE OF FLANGE OF BEAM (BOTH SIDES) - TYP. REF SPEC SECTION 07 81 00.

* INTUMESCENT COATING SYSTEM TO YIELD A 1 HR FRR AND COMPLY WITH UL BXUV.X630 AND CDW27.R11193. PROVIDE PRIMER 'CARBOGAURD 888' (MIN 5 MIL.) ; SECOND COAT NULLIFIRE S605 (MIN 127 MIL.); FINISH COAT CARBOGAURD 1340 (MIN 2 MIL.). REF SPEC SECTION 09967

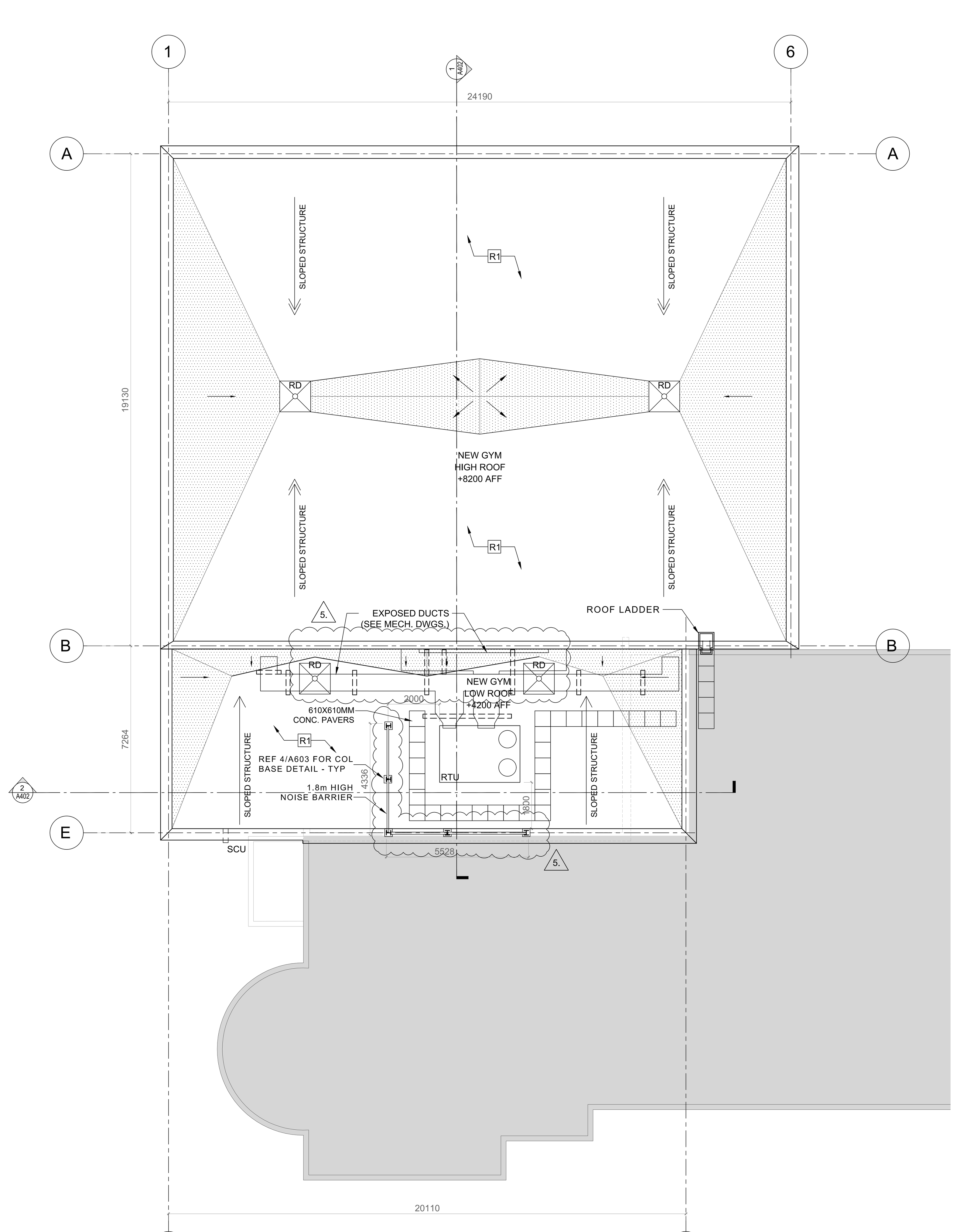
NOTE:
FIRE STOP & SMOKE SEAL @ ROOF DECK AND PENETRATIONS AT ALL FIRE RATED WALLS

RENOVATION NOTES

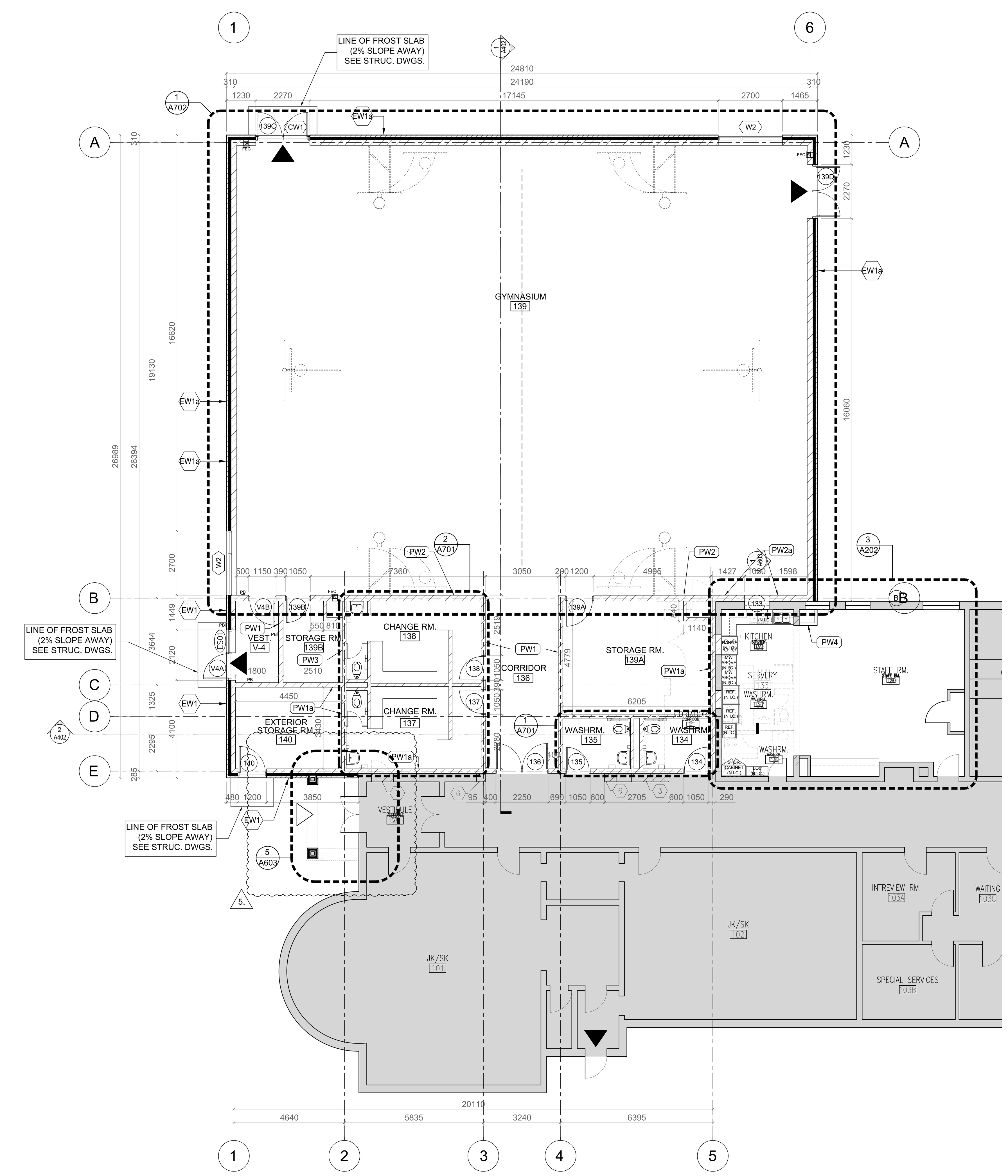
1. NEW FLOOR FINISH AND BASE. TERMINATE FLOORING UNDER CENTERLINE OF DIVIDING DOORS UNLESS OTHERWISE NOTED OR SHOWN.
2. NEW CEILING. REFER TO A301 FOR TYPE AND DETAILS OF CEILINGS. PATCH AND MAKE GOOD EXISTING PLASTER/ GYPSUM BOARD SUBSTRATE ABOVE & ENSURE EXISTING FIRE RATING IS MAINTAINED.
3. INFILL WITH NEW CMU BLOCK WITH THICKNESS TO MATCH EXISTING ADJACENT.
4. PAINT ALL WALLS COMPLETE. PATCH AND MAKE GOOD ALL BLOCK AS REQ'D PRIOR TO PAINTING (REMOVED CEILING TRACK, MILLWORK ETC).
5. PATCH AND MAKE GOOD CONC. SLAB TO RECEIVE NEW FLOOR FINISH AFTER MECH. CONNECTIONS COMPLETED. REFER TO MECH. DWGS FOR EXTENT OF WORK AFFECTING EX. CONC. SLAB (TYP.)
6. PATCH AND MAKE GOOD ALL WALLS, CORRIDOR FLOORS, CEILINGS AND WALL BASE DISTURBED BY DEMOLITION AND CONSTRUCTION THROUGHOUT (TYP). REFER TO MASONRY BLOCK EDGE DETAIL A/A901.
7. INSTALL OWNER'S APPLIANCES IN COMPLIANCE W/ MANUFACTURER'S INSTRUCTIONS. REFER TO MECH. & ELEC.



3 A202 PARTIAL FLOOR PLAN - INTERIOR RENO 1:50



2 A202 PARTIAL ROOF PLAN - NEW 1:100



1 A202 PARTIAL FLOOR PLAN - NEW 1:100

Halton District School Board
2050 Guelph Line,
Burlington, ON.
L7P 5A8

Glenview Public School
Gym Addition
143 Townsend Ave.,
Burlington, ON. L7T 1Z1

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Structural Consultant
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Landscape Consultant
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Key Plan N.T.S.

Project North   True North

No	Revision	Date
5.	Reissued for Addendum 02	2024 05 24
4.	Issued for Addendum 01	2024 05 17
3.	Issued for Tender	2024 05 03
2.	Issued for Building Permit	2024 05 02
1.	Issued for SPA Submission	2024 02 27

Scale 1:100   Unless Indicated Otherwise

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

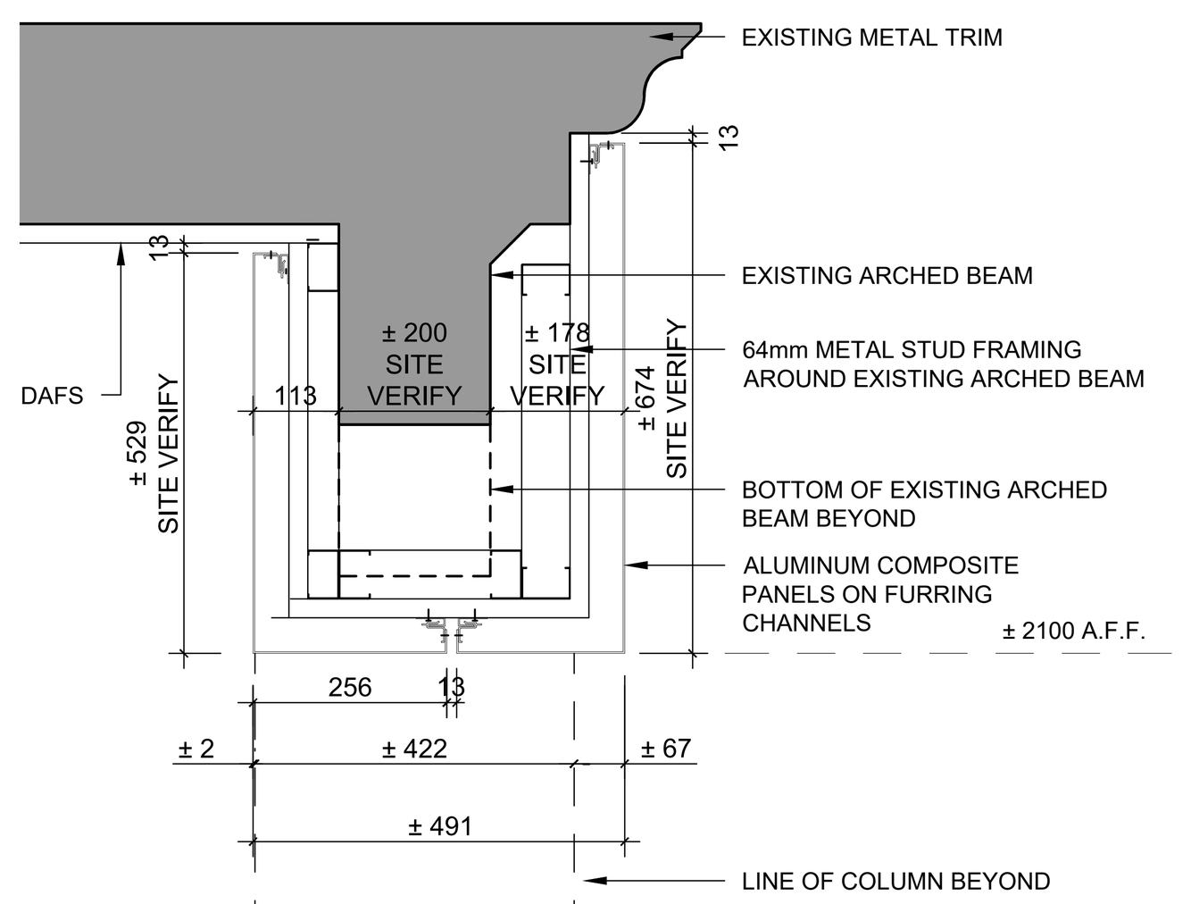
ONTARIO ASSOCIATION OF ARCHITECTS
AVINASH GARDE
LICENCE
6242

Drawing Title:

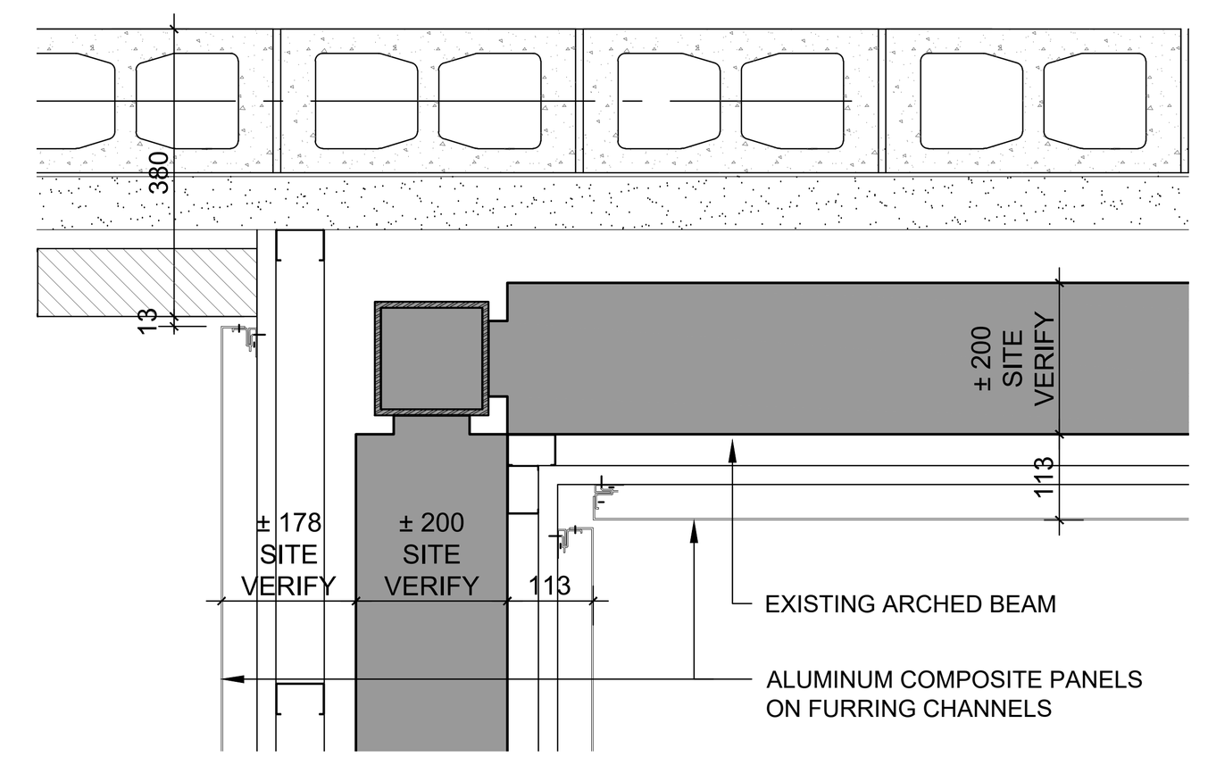
PARTIAL FLOOR & ROOF PLAN - NEW & RENO

Scale:	AS NOTED	Date:	2024 02 27
Drawn by:	AP	Checked by:	AG
Job No.	2314	Drawing No.	A202

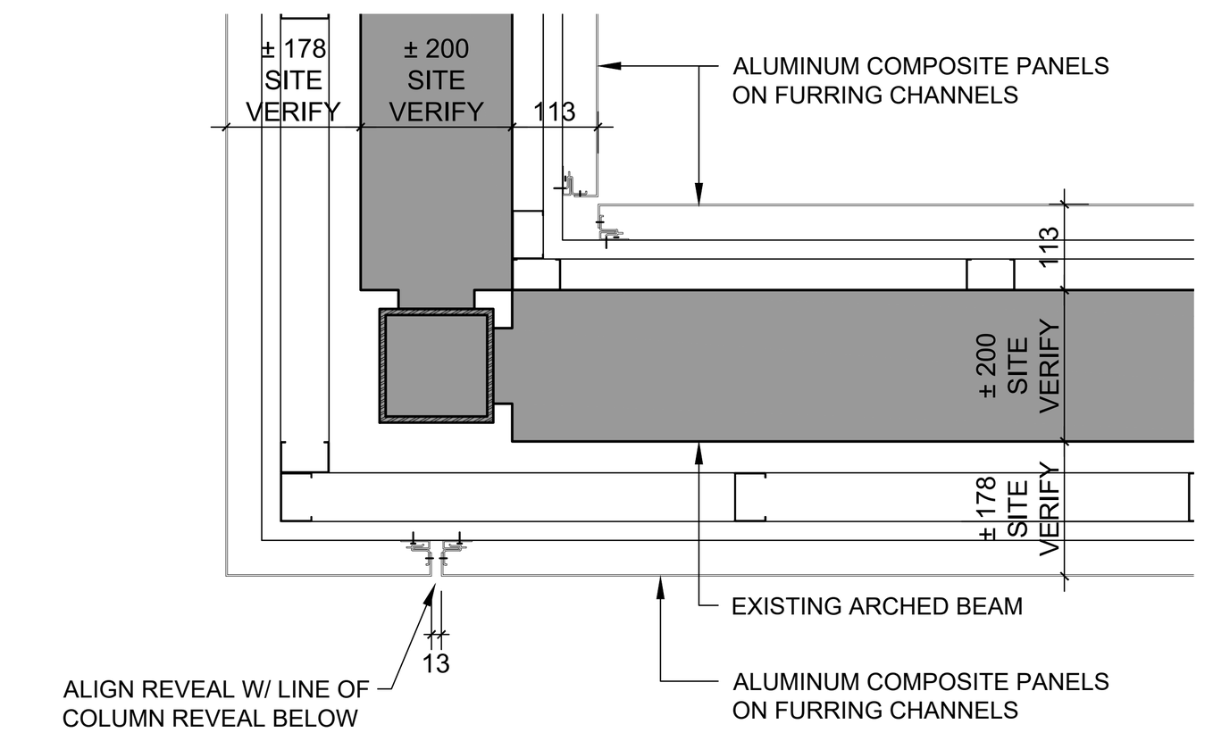
This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.



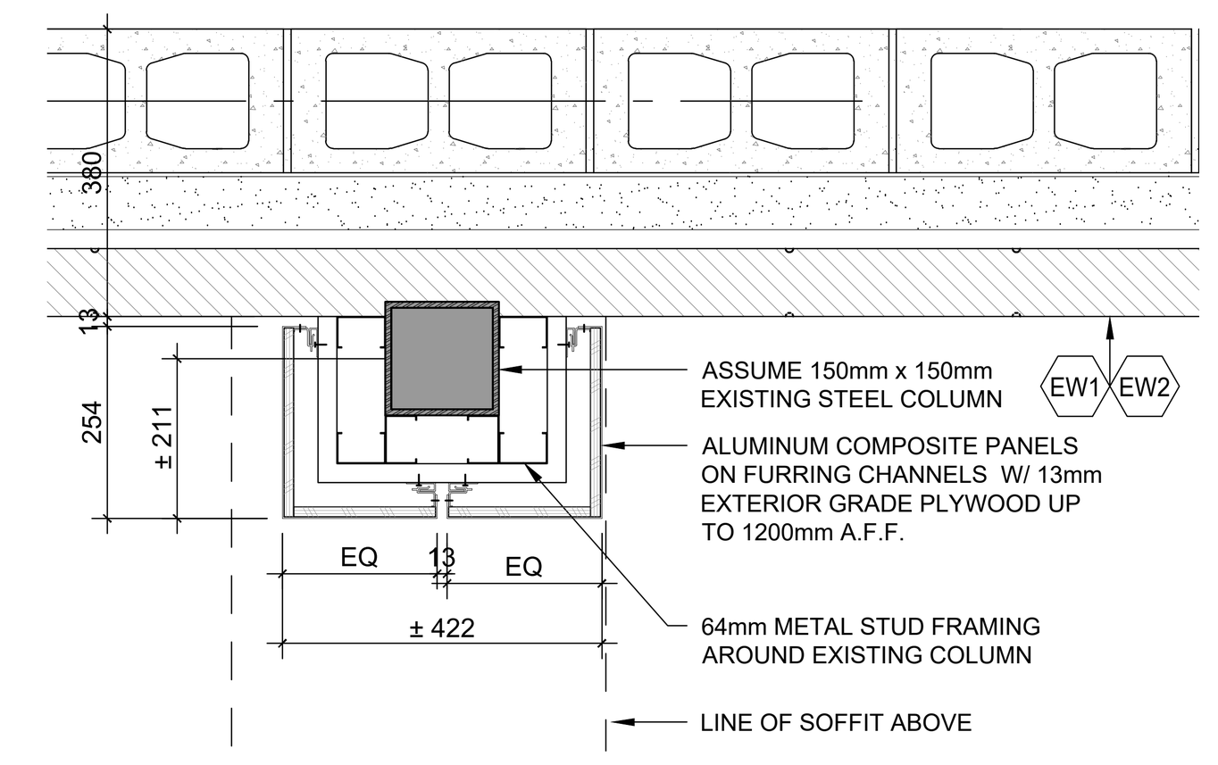
14 / A603 — SECTION DETAIL - TYPICAL ACP SOFFIT 1:10



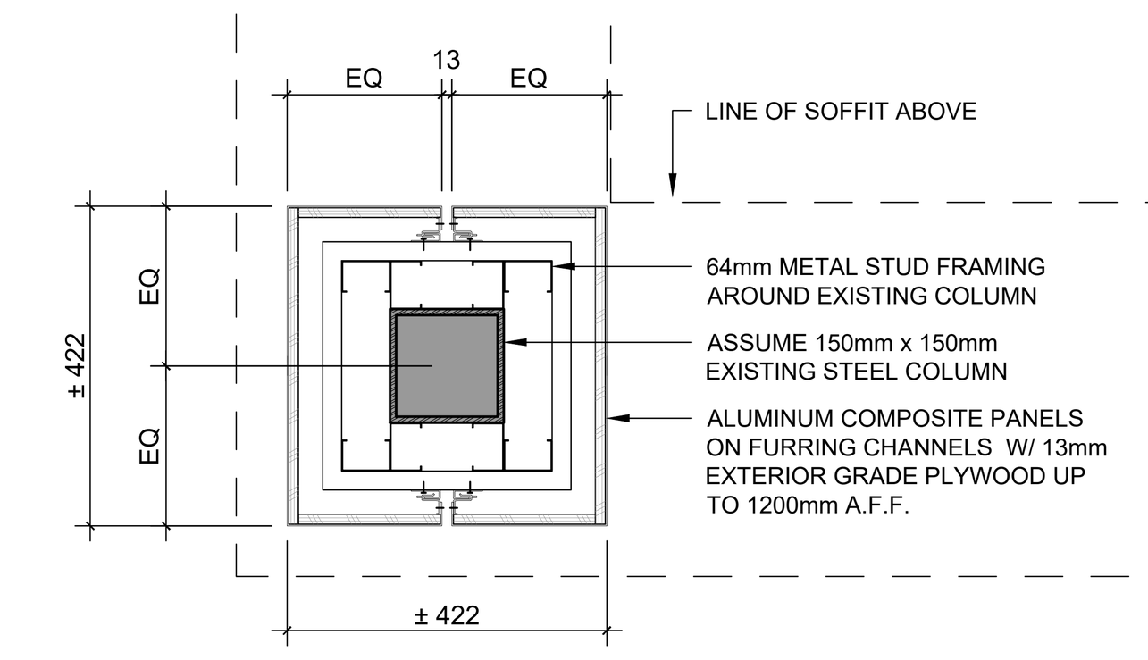
13 / A603 — PLAN DETAIL - COLUMN AT CANOPY AND ADDITION, ABOVE SOFFIT 1:10



12 / A603 — PLAN DETAIL - COLUMN AT CANOPY CORNER, ABOVE SOFFIT 1:10

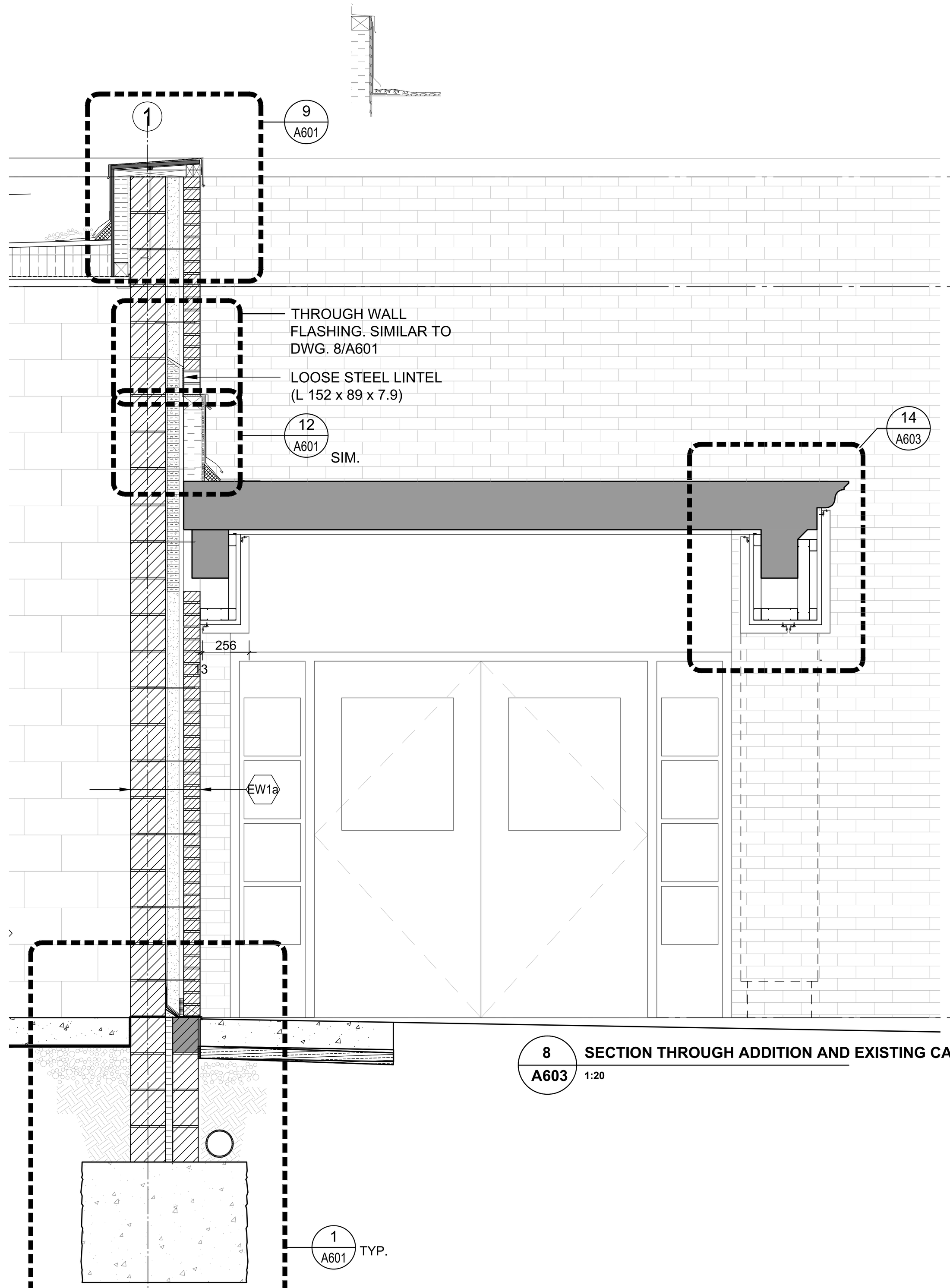


11 / A603 — PLAN DETAIL - COLUMN AT CANOPY AND ADDITION 1:10

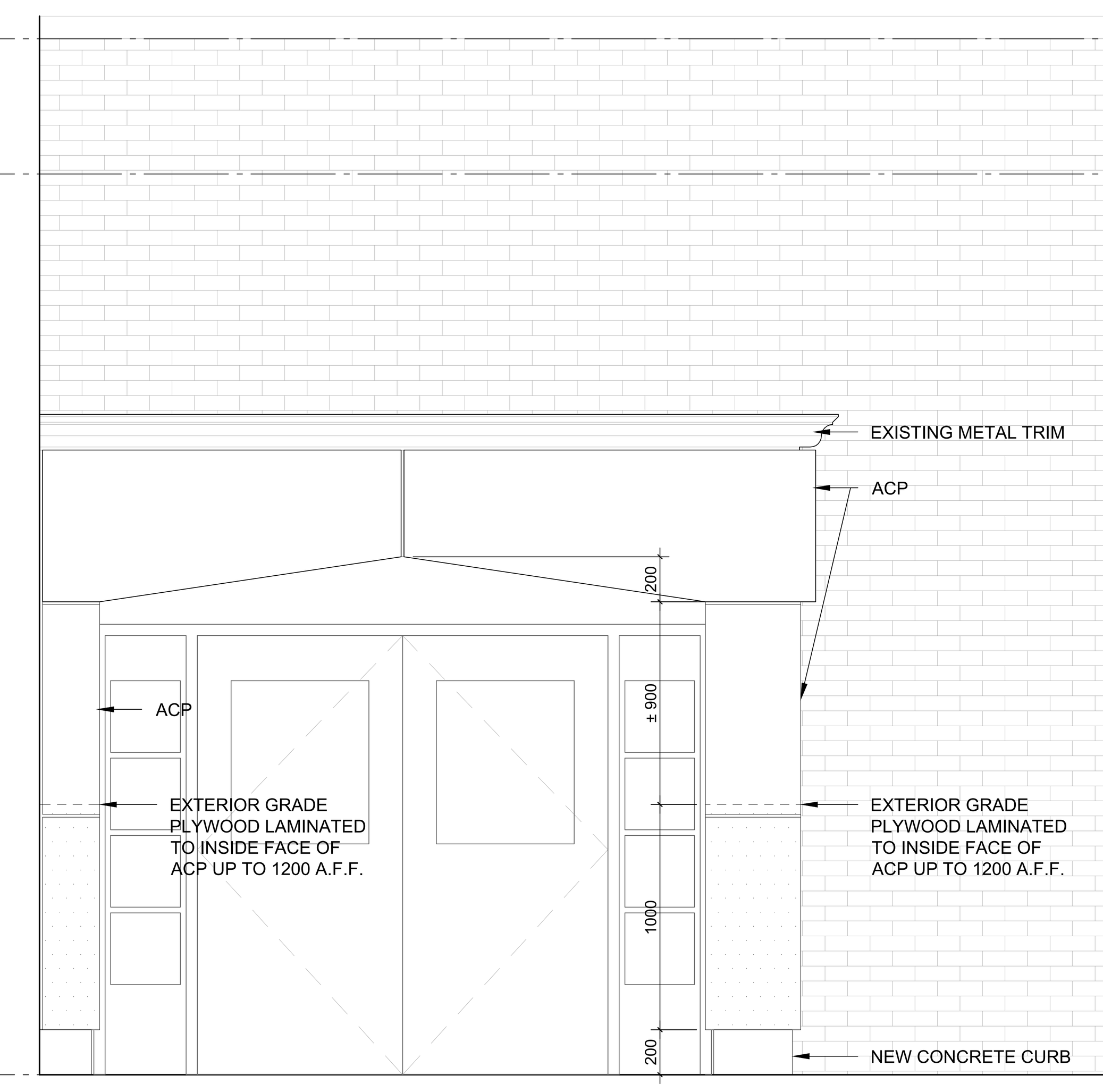


10 / A603 — PLAN DETAIL - COLUMN AT CANOPY CORNER 1:10

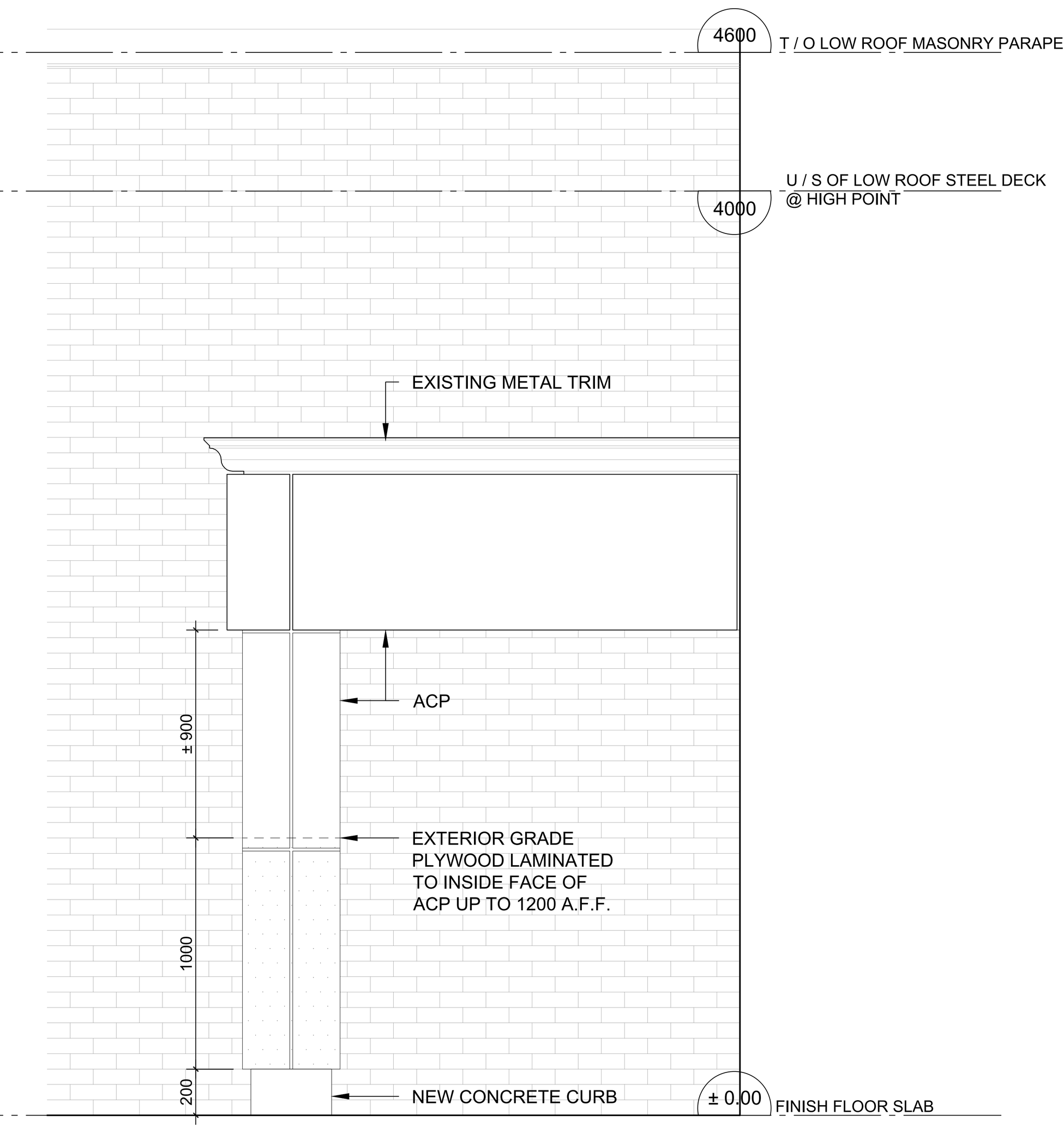
9 / A603 — PHOTO OF EXISTING CANOPY N.T.S.



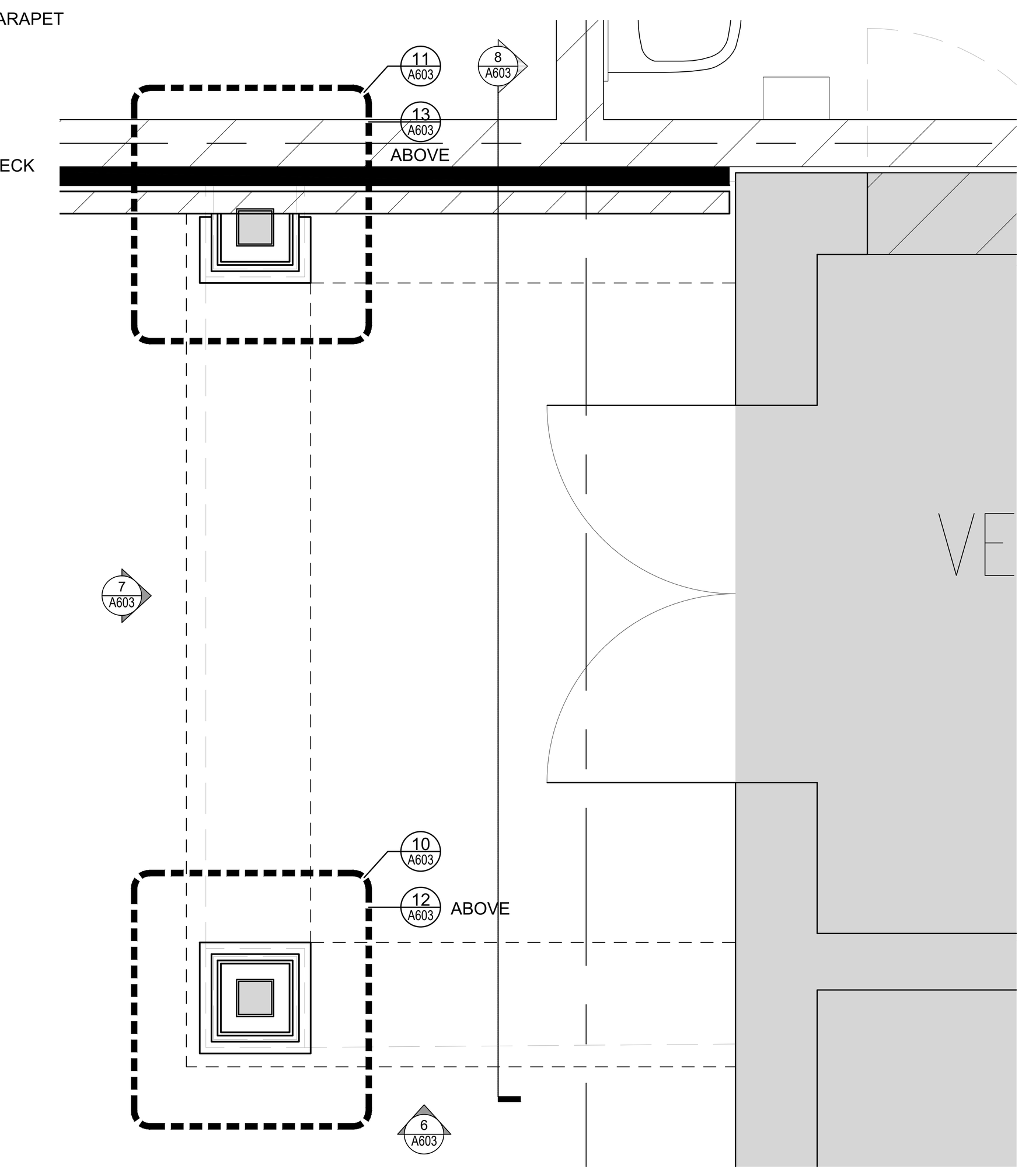
8 / A603 — SECTION THROUGH ADDITION AND EXISTING CANOPY 1:20



7 / A603 — EAST ELEVATION 1:20



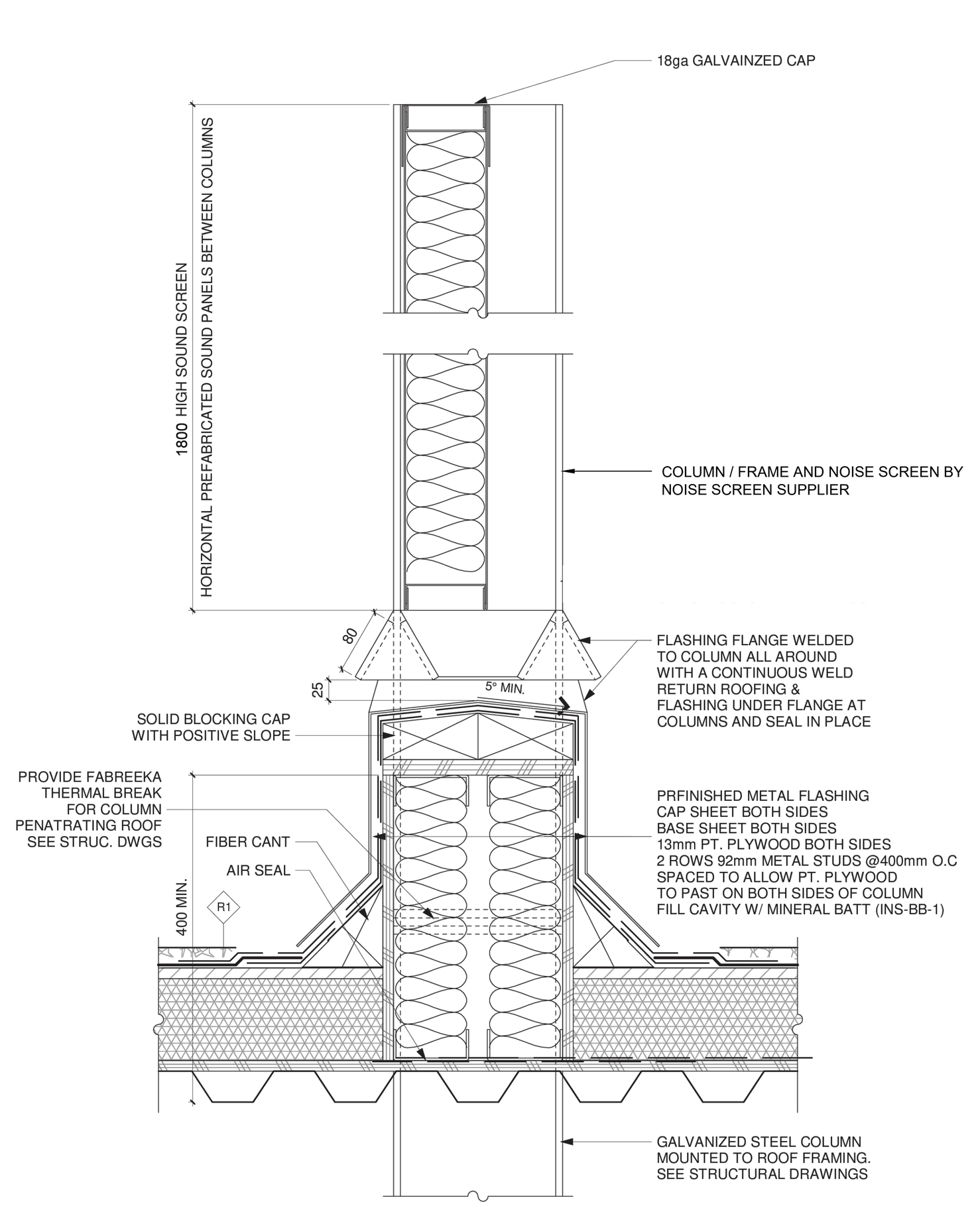
6 / A603 — SOUTH ELEVATION 1:20



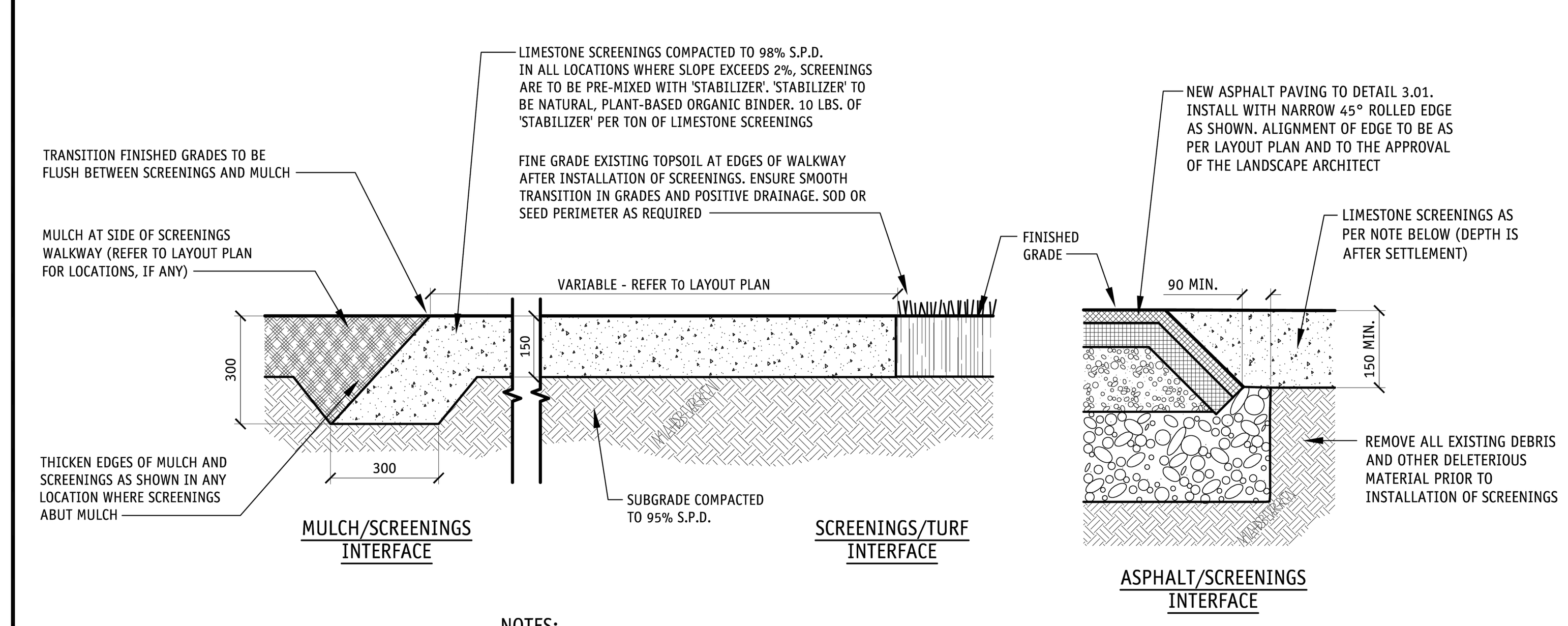
5 / A603 — ENLARGED PLAN - CANOPY AT VEST. V1 1:20

DEMOLITION NOTES:

1. REMOVE PLYWOOD COVERING AROUND TWO EXISTING COLUMNS. RETAIN THE EXISTING COLUMNS.
2. RETAIN THE EXISTING ARCHED BEAMS BETWEEN THE EXISTING COLUMNS / BETWEEN THE BUILDING AND COLUMNS.
3. REMOVE AND STORE EXISTING "GLENVIEW PUBLIC SCHOOL" SIGN ABOVE EXISTING DOUBLE DOORS. REINSTALL AT LOCATION TO BE DETERMINED LATER.
4. REMOVE EXISTING LIGHT FIXTURE @ SOFFIT AND REINSTALL AT NEW DAFS CEILING



4 / A603 — DETAIL @ BASE OF NOISE BARRIER SCREEN COLUMNS NTS



NOTE: THIS DETAIL IS NOT TO BE USED FOR ASPHALT/PLAYGROUND PROTECTIVE SURFACING INTERFACE

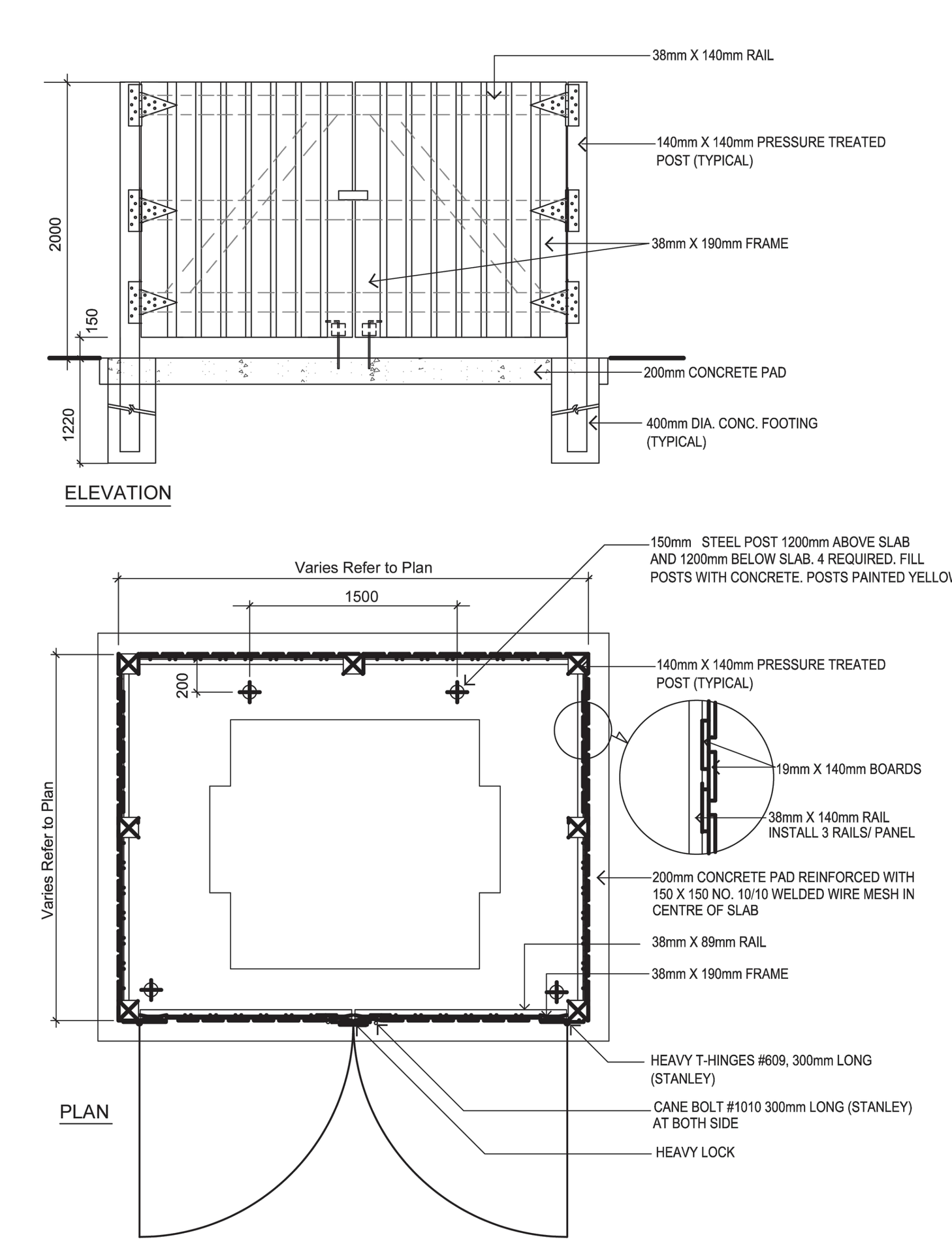
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWING.
2. SPECIFIED DEPTHS OF MULCH AND TOPSOIL ARE DEPTHS AFTER SETTLEMENT. SPECIFIED DEPTH OF LIMESTONE SCREENINGS AND GRANULAR BASES IS COMPACTED DEPTH.
3. LIMESTONE SCREENINGS TO BE A FINE CRUSHED LIMESTONE PRODUCT COMPOSED OF 50% LIMESTONE DUST AND THE BALANCE COMPOSED OF AN EVEN SPREAD OF PARTICLES UP TO 3 mm SIZE.
4. INSTALLATION OF LIMESTONE SCREENINGS TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR HDSB REGIONAL SUPERVISOR.

SECTION

Halton District School Board / EVERGREEN Imagine your city with nature / northwood associates landscape architects ltd	SCHOOL GROUND STANDARD CONSTRUCTION DETAILS	DATE: SEPTEMBER 2013	NOT TO SCALE	DRAWN BY: KIM ALLERTON OALA	CHECKED BY: NICK MAANDAG	DETAIL #
		LIMESTONE SCREENINGS WALKWAY				3.02

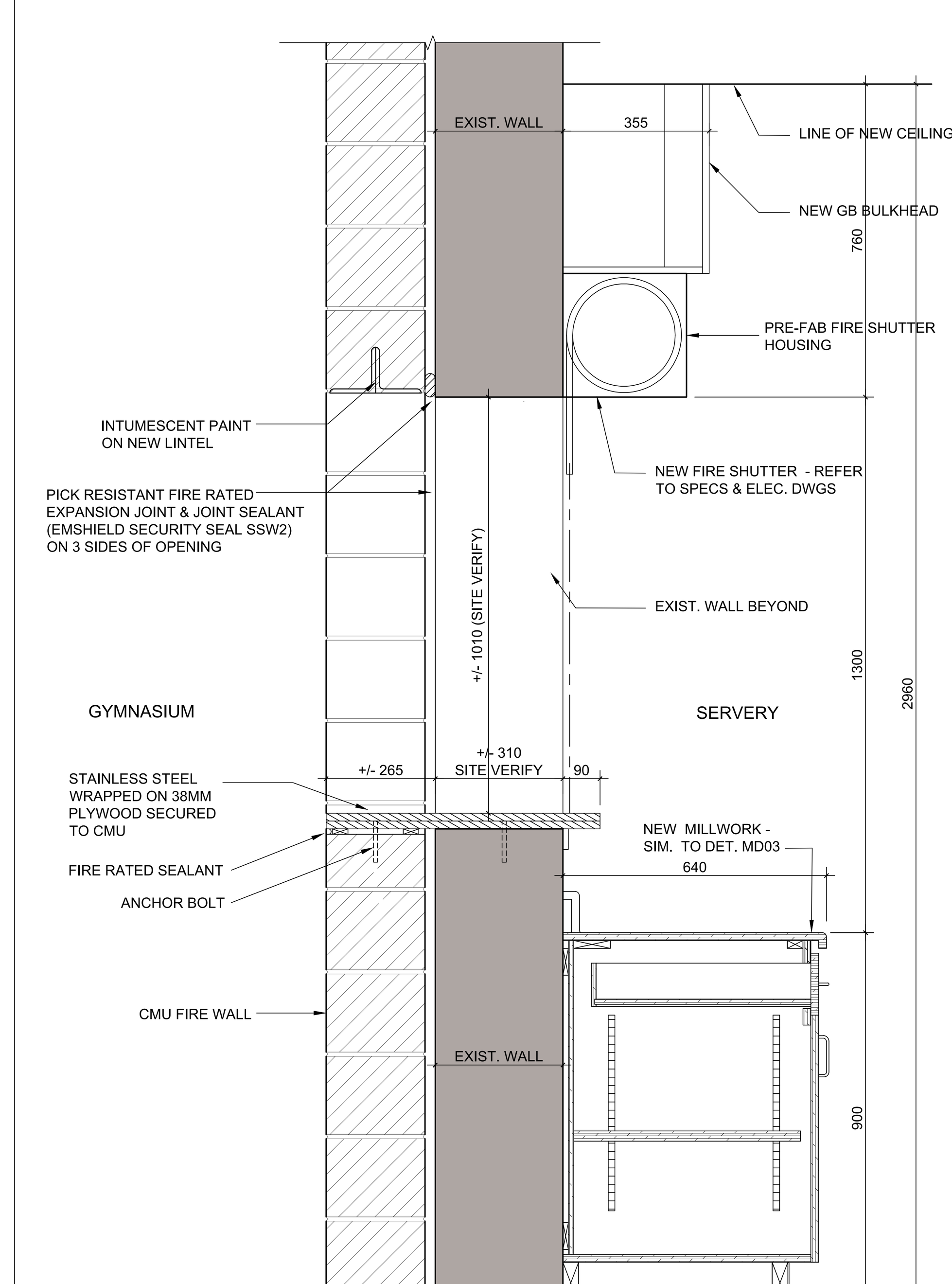
3 / A603 — LIMESTONE SCREENINGS DETAIL NTS



NOTES:
1. LUMBER TO BE PRESSURE TREATED
2. ALL HARDWARES TO BE GALVANIZED.

NOTES:
1. CONCRETE TO BE 35MPa COMPRESSIVE STRENGTH AT 28 DAYS WITH 5% TO 7% AIR ENTRAINMENT.
2. EXPANSION JOINT EVERY 10m O.C.
3. CONTROL JOINT EVERY 3m O.C.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

2 / A603 — GARBAGE ENCLOSURE DETAIL 1:25



1 / A603 — SECTION DETAIL - COUNTER SHUTTER @ SERVERY 1:10

Halton District School Board
2050 Guelph Line, Burlington, ON. L7P 5A8

Glenview Public School
Gym Addition

143 Townsend Ave., Burlington, ON. L7T 1Z1

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Tel: 647-496-8055

Landscape Consultant
OMC Landscape Architecture
270 Sherman Ave. N., Suite 315-MILL Hamilton, ON L8L 6N4
Tel: 905-681-7604

Key Plan N.T.S.

Project North True North

No	Revision	Date
1.	Issued for Tender / Addendum 02	2024 05 24

0 500 1000 2000 3000 4000 5000 6000 7000 8000
Scale 1:100 Unless Indicated Otherwise

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS
AVINASH GARDE LICENCE 6242

Drawing Title:

DETAILS

Scale: AS NOTED	Date: 2024 04 29
Drawn by: AP	Checked by: AG
Job No. 2314	Drawing No. A603

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.

CAD File:

Glenview Public School
143 Townsend Avenue
Burlington, ON

Structural Addendum No. 1

May 23, 2024

The following amendments/clarifications to the Tender Documents are considered to form part of this Tender.

No consideration will be given for extras and/or changes due to the Bidder not being familiar with the contents of this Addendum.

The following Addendum has been issued to make clarifications, revisions, additions and/or deletions to the various areas of the Request for Tender.

This addendum shall be incorporated in the specifications and drawings and shall form part of the contract documents:

---

1. AMENDMENTS TO DOCUMENTS:

A. Drawing S1.1
   a. Remove and replace existing concrete slab on grade to suit new plumbing connection in existing corridor adjacent to Staff Room. Refer to slab on grade repair detail on SK-S1.

B. Drawing S1.2:
   a. Provide engineered shoring for the existing wall removals along GL E.
   b. Provide engineering shoring for the demolition of the existing structure at the Corridor/Kitchen/Washroom adjacent to the Staff Room. Neatly sawcut and isolate the structure to be demolished from the existing structure to remain. The structure to be demolished shall be full removed including foundations.
   c. Revise girt to support curtain wall along GL A between 1 & 6 from W200x27 to W200x150x7.9.
   d. Revise the three S.L.'s, one along GL 1 between A & B, one along GL A between 1 & 6 and one along 6 between A & B to S.L. 1. Refer to SK-S1.
   e. Provide additional 2-20M full height grouted solid along GL A between 1 & 6 adjacent to each high window opening.

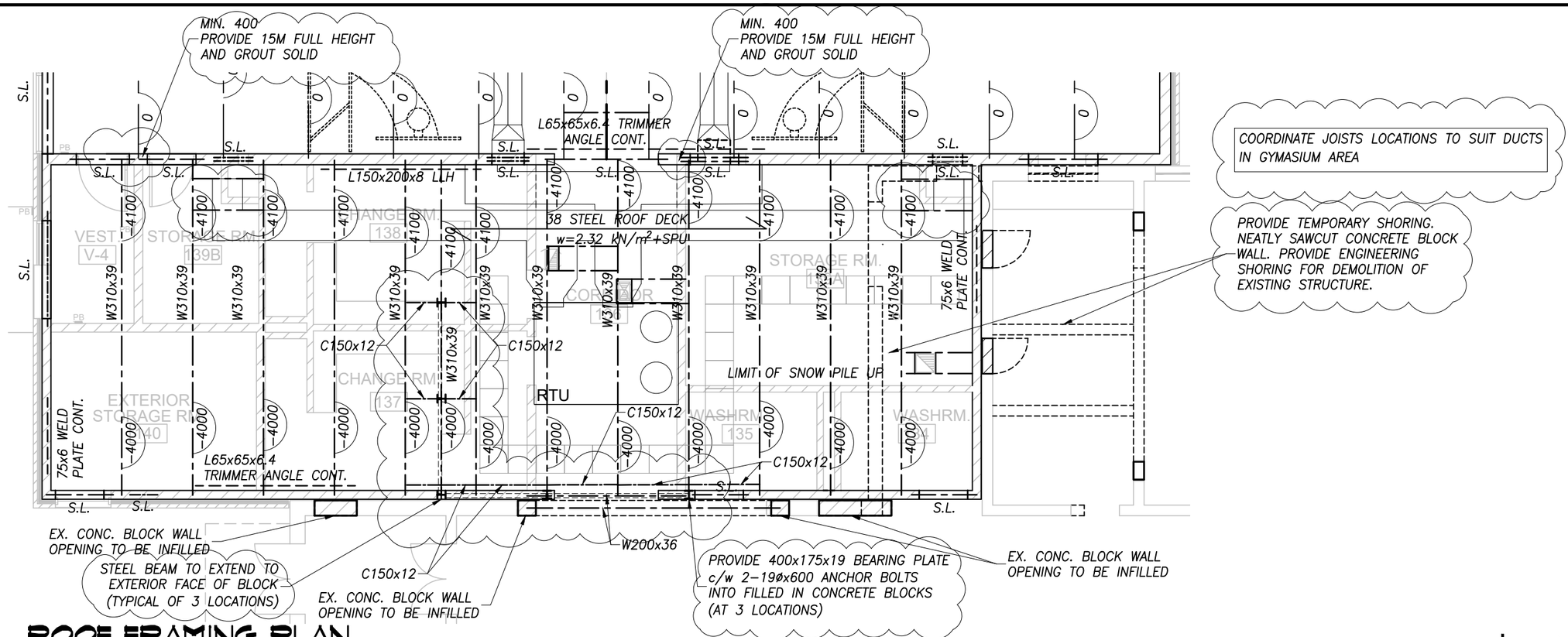
f. Provide minimum 400 concrete block reinforced with 2-20M grouted solid adjacent to door 139B and 139A.
g. OWSJ supplier to coordinate duct locations with web members to accommodate the duct within the depth of the joist.
h. Provide typical framing for RTU support and all opening in roof deck per the Typical Roof Top HVAC Unit Framing detail on S1.2.
i. Provide supplemental structure to support roof screen. Provide additional W310x39 to support roof screen. Extend bearing on 3 – W310x39 to exterior face of wall complete with 400x175x19 bearing plate with 19 diameter x 600 long bolts. Provide C150x12 blocking between W310x39 at post locations. Provide 5 stub posts HSS152x152x6.4 complete with 325x325x19 cap plate (coordinate hole pattern with roof screen supplier) welded to top of W310x39. Provide 2-12x125 stiffeners in W310 at post locations. Provide engineered roof screen system complete with shop drawings to mount to stub columns.

2. ATTACHMENTS TO THIS DOCUMENT:

- Drawings SK-S1

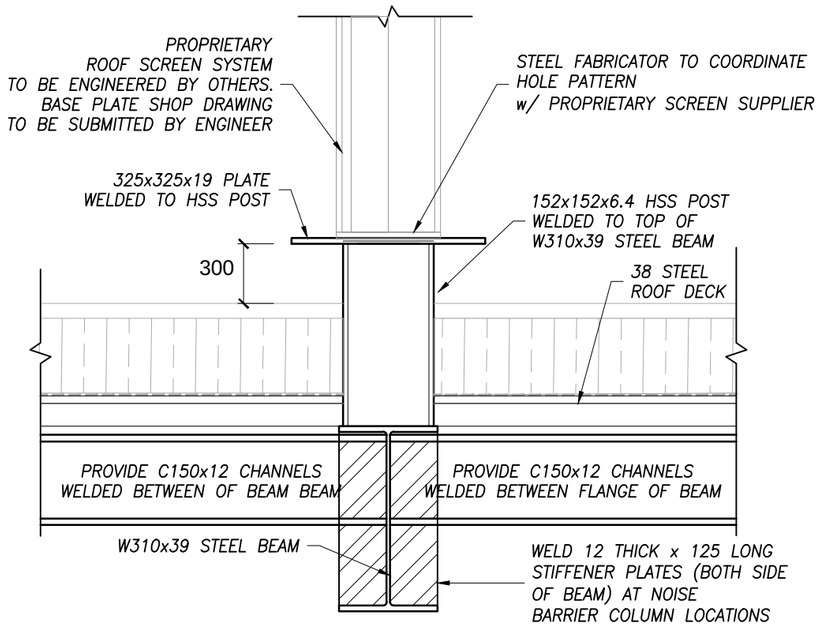
Sincerely,

Per: JP Campana, P. Eng.
Kalos Engineering Inc.



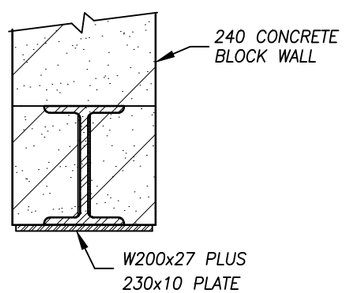
ROOF FRAMING PLAN

SCALE 1:100



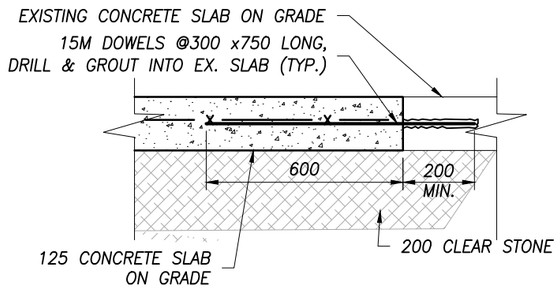
TYPICAL ROOF SCREEN DETAIL

SCALE 1:10



S.L. -1

SCALE 1:10



TYPICAL SLAB CONNECTION DETAIL

NOT TO SCALE

No.	DATE	REVISION
1	24/05/23	ISSUED FOR ADDENDUM

REVISIONS

KALOS ENGINEERING
300 YORK BLVD HAMILTON, ONTARIO L8R 3K6 905-333-9119

GLENVIEW PS

143 TOWNSEND AVENUE
BURLINGTON ONTARIO

FRAMING PLAN

DATE	DRAWN BY	DRAWING No.
MAY 2024	Q.N.	SK-S1
PROJECT No. 23199	CHECKED BY J.P.C.	

PLOT DATE: 2024/05/23 6:25 PM