

Mill Courtland Community, Centre Addition
CITY OF KITCHENER
216 Mill Street
Kitchener, Ontario

LIST OF DRAWINGS

A000 COVER PAGE AND DRAWING LIST
A001 OBC MATRIX AND LIFE SAFETY PLAN

CIVIL

C100 EXISTING CONDITIONS, REMOVALS & EROSION &
SEDIMENT CONTROL PLAN
C200 GRADING AND SERVICING PLAN
C300 IMPACTED SITE AREA
C500 GENERAL NOTES AND DETAILS

LANDSCAPE

L1 LANDSCAPE PLAN OVERALL SITE
L2 LANDSCAPE PLAN ENLARGEMENT AREAS
L3 LANDSCAPE DETAILS & SPECIFICATIONS

ARCHITECTURAL

A101 OVERALL SITE PLAN
A102 PART SITE PLAN
A103 PART SITE PLAN
A104 PART DEMOLITION SITE PLAN
A105 PART DEMOLITION SITE PLAN
A106 SITE DETAILS
A107 SITE DETAILS
A108 SITE DETAILS
A201 FIRST FLOOR DEMOLITION PLAN
A202 ROOF DEMOLITION PLAN
A203 CEILING DEMOLITION PLAN
A204 OVERALL FIRST FLOOR PLAN
A205 ROOF PLAN
A206 ENLARGED NEW FLOOR PLAN ADDITION
A207 ENLARGED NEW FLOOR PLAN RENO
A208 OVERALL REFLECTED CEILING PLAN
A209 ENLARGED REFLECTED CEILING PLAN
A301 BUILDING ELEVATIONS
A401 BUILDING SECTIONS
A402 WALL SECTIONS
A403 WALL SECTIONS
A404 WALL SECTIONS
A405 WALL SECTIONS
A406 WALL SECTIONS
A501 SECTION DETAILS
A502 SECTION DETAILS
A503 SECTION DETAILS
A504 SECTION DETAILS
A601 PLAN DETAILS
A602 PLAN DETAILS
A701 WASHROOM INTERIOR ELEVATIONS
A702 INTERIOR ELEVATIONS
A703 INTERIOR ELEVATIONS
A801 MILLWORK
A802 MILLWORK
A803 MILLWORK
A804 MILLWORK
A901 ROOM AND DOOR FINISH SCHEDULE
A902 DOOR HEAD & JAMB DETAIL

STRUCTURAL

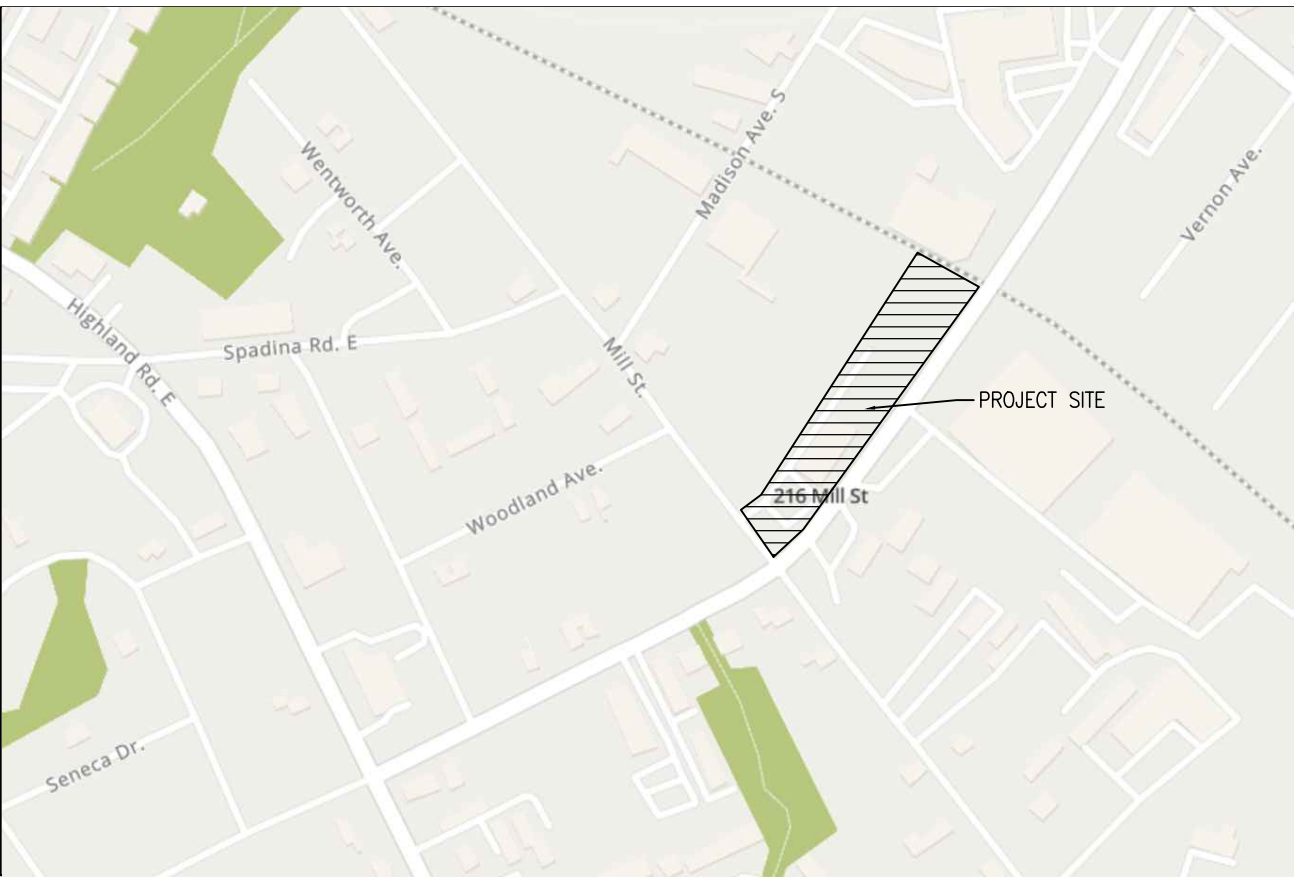
S101 GENERAL NOTES AND SCHEDULES
S102 TYPICAL DETAILS
S201 FOUNDATION PLAN
S202 LOW ROOF FRAMING PLAN
S203 HIGH ROOF FRAMING PLAN
S501 SECTIONS
S502 SECTIONS
S503 SECTIONS

MECHANICAL

M101 LEGENDS & SCHEDULES
M102 SCHEDULES
M103 SITE PLAN
M201 GROUND FLOOR PLAN - PLUMBING & DRAINAGE
- DEMOLITION
M202 GROUND FLOOR PLAN - HVAC - DEMOLITION
M301 GROUND FLOOR PLAN - PLUMBING & DRAINAGE
- RENOVATION
M302 GROUND FLOOR PLAN - HVAC RENOVATION
M401 ROOF PLAN
M501 DETAILS

ELECTRICAL

E101 SITE PLAN- DEMOLITION
E102 SITE PLAN- DEMOLITION
E103 SITE PLAN- RENOVATION
E104 SITE PLAN- RENOVATION
E105 DETAILS & LEGEND
E106 DETAILS
E201 GROUND FLOOR PLANS- DEMOLITION
E301 GROUND FLOOR PLANS- RENOVATION-
LIGHTING
E302 GROUND FLOOR PLANS- RENOVATION- POWER
& SYSTEMS
E303 GROUND FLOOR PLANS- RENOVATION- POWER
& SYSTEMS
E401 DISTRIBUTION RISER DIAGRAM- DEMOLITION &
RENOVATION
E501 FIRE ALARM RISER
E601 SCHEDULES
E602 PANEL SCHEDULES



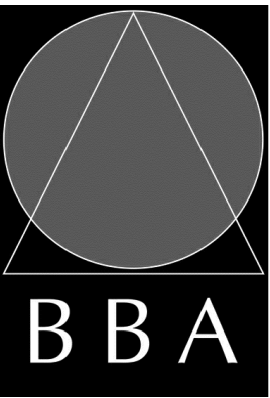
1
A000 LOCATION PLAN
N.T.S.



PERSPECTIVE VIEW

CONSULTANTS

ARCHITECTURAL / STRUCTURAL:



BARRY BRYAN
ASSOCIATES
Architects
Engineers
Project Managers
250 Water St.
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

MECHANICAL/ELECTRICAL:



CIVIL:



LANDSCAPE:



KENDALL FLOWER
LANDSCAPE ARCHITECTURE
LANDSCAPE ARCHITECTURE,
ENVIRONMENTAL POLICY, URBAN DESIGN,
COMMUNITY ENGAGEMENT
info@kendallflower.com
www.kendallflower.com
226-171-1009

DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE
COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED
UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE
WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED
AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	JUNE 3, 2024	BBA
2	60% PROGRESS	OCT. 18 2024	BBA
3	FOR BUILDING PERMIT	DEC. 16 2024	BBA
4	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
5	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

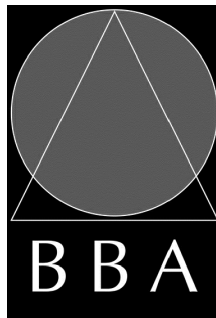
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**COVER PAGE AND
DRAWING LIST**



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY:
BBA

DOC. CONTROL:
DATE:

DRAWN BY:
CM

% COMPLETE:

CHECKED BY:

INITIAL:

DATE:

SCALE:
AS NOTED

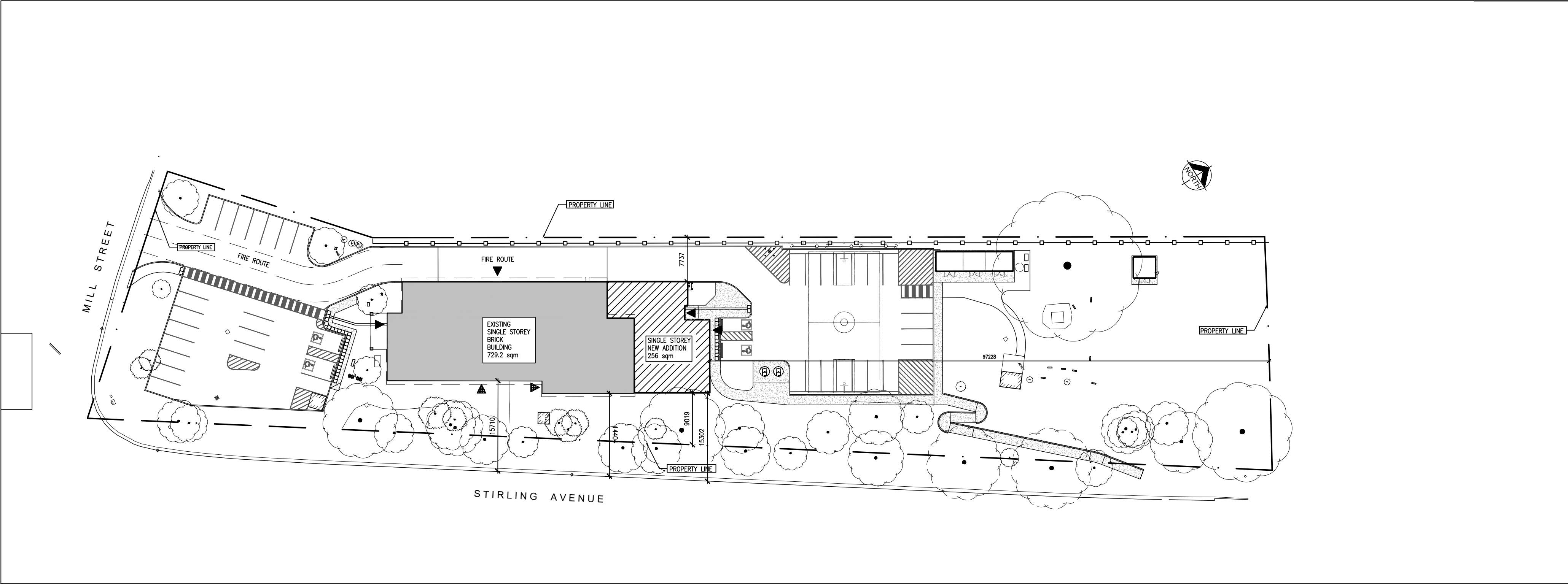
FILE:
24015.A001

PROJECT NO:

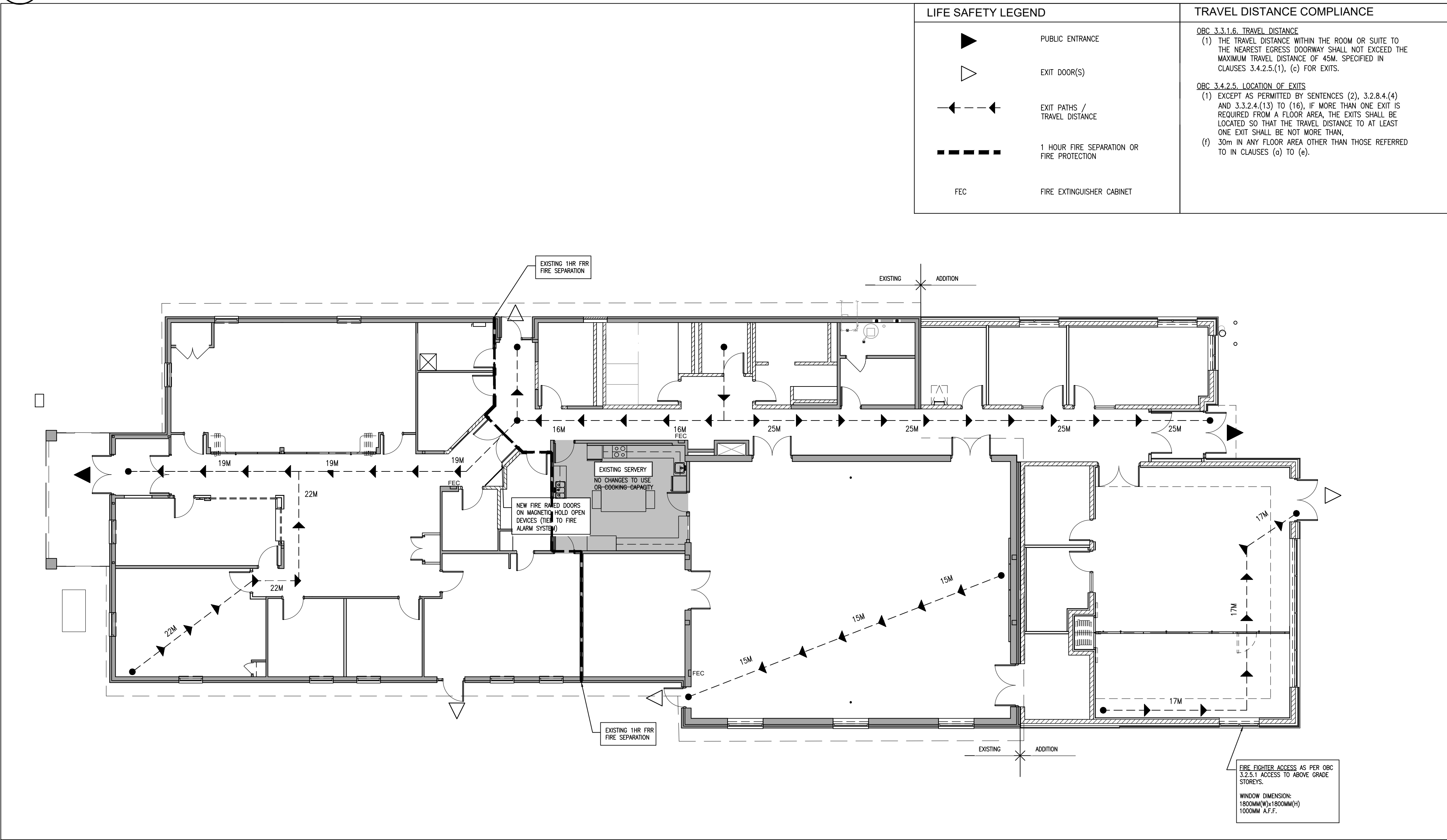
24015
PROCUREMENT # Q25-020

DRAWING NO:

A000



2 PART SITE LIFE SAFETY PLAN
A200 1:500



1 FIRST FLOOR LIFE SAFETY PLAN
A001 1:125

NAME OF CONSULTANT : BARRY BRYAN ASSOCIATES CERTIFICATE OF PRACTICE NUMBER : 5192 250 WATER STREET, SUITE 201 WHITBY, ONTARIO, CANADA L1N 0G5 TEL : (905) - 666 - 5252 (Toronto) (905) - 427 - 4495 FAX : (905) - 666 - 5256		NAME OF PROJECT : MILL COURTLAND COMMUNITY CENTRE ADDITION LOCATION OF PROJECT : 216 MILL STREET KITCHENER, ON DATE DECEMBER 2024	
Ontario Building Code Data Matrix Part 3			OBC Reference
3.00 Building Code Version: O.Reg. 332/12 Last Amendment: O.Reg. 191/14			
3.01 Project Type: <input type="checkbox"/> New <input type="checkbox"/> Change of use <input checked="" type="checkbox"/> Addition <input checked="" type="checkbox"/> Addition and Renovation		[A] 1.1.2.	
3.02 Major Occupancy Classification: Occupancy: <u>GROUP A DIV 2</u> Use: <u>COMMUNITY CENTRE</u>		3.1.2.1.(1)	
3.03 Superimposed Major Occupancies: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.2.7	
3.04 Building Area (m ²): Description: <u>BUILDING FOOTPRINT</u> Existing: <u>729.25</u> New: <u>256</u> Total: <u>985.5</u>		[A] 1.4.1.2.	
3.05 Gross Area (m ²): Description: <u>GROUND FLOOR (ONLY FLOOR)</u> Existing: <u>729.25</u> New: <u>256</u> Total: <u>985.5</u>		[A] 1.4.1.2.	
3.06 Mezzanine Area (m ²): Description: <u>-</u> Existing: <u>-</u> New: <u>-</u> Total: <u>-</u>		3.2.1.1	
3.07 Building Height: 1 Storeys above grade 0 Storeys below grade ~5.8 (m) Above grade		[A] 1.4.1.2 & 3.2.1.1	
3.08 High Building: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3.09 Number of streets/ fire fighter access: 2 street(s)		3.2.2.10 & 3.2.5	
3.10 Building Classification: 3.2.2.25 Group/Div. <u>GROUP A DIV 2</u>		3.2.2.20 - 83	
3.11 Sprinkler System: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required Proposed: <input type="checkbox"/> entire building <input type="checkbox"/> selected compartments <input type="checkbox"/> selected floor areas <input type="checkbox"/> basement <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> none		3.2.1.5 & 3.2.2.17	
3.12 Standpipe System: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required		3.2.9	
3.13 Fire Alarm System: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required Type Provide: <input checked="" type="checkbox"/> Single Stage <input type="checkbox"/> Two Stage <input type="checkbox"/> None		3.2.4	
3.14 Water Service/ Supply is Adequate: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
3.15 Construction Type: Restriction: <input checked="" type="checkbox"/> Combustible Permitted <input checked="" type="checkbox"/> Non-combustible Required <input type="checkbox"/> Encapsulated mass timber Actual: <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Non-combustible Heavy Timber Construction: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		3.2.2.20 - 83 & 3.2.1.4	
3.16 Importance Category: <input type="checkbox"/> Low <input type="checkbox"/> Low human occupancy <input type="checkbox"/> Post-disaster shelter <input type="checkbox"/> Normal <input checked="" type="checkbox"/> High <input type="checkbox"/> Minor storage building <input type="checkbox"/> Explosives or hazardous substances <input type="checkbox"/> Post-disaster		4.1.2.1.(3) & 4.1.2.1.B	
3.17 Seismic Hazard Index: (I, Fa Sa (0.2)) = 0.1586 Seismic design required for Table 4.1.1.18, Items 6 to 21: (I, Fa Sa (0.2)) = or = 0.35 or Post-disaster <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		4.1.2.1.(3) & 4.1.8.18.(2)	
3.18 Occupant Load: Floor Level/ Area: <u>GROUND FLOOR/ 985.5</u> Occupancy Type: <u>GROUP A DIV 2</u> Based On: <u>BY DESIGN</u> Occup. Load: <u>300</u>		3.1.17	
3.19 Barrier-free Design: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Explanation: _____		3.8	
3.20 Hazardous Substances: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explanation: _____		3.3.1.2 & 3.3.1.19	
3.21 Required Fire Resistance Ratings: Horizontal Assembly Rating: _____ Supporting Assembly (H): _____ Non combustible in lieu of rating? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Floors over basement: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Floors: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Mezzanine: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Roof: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		3.2.2.20 - 83 & 3.2.1.4	
3.22a Spatial Separation: Wall Area of EBF (m ²) L/D (m) or H/L Permitted Max. % Of Openings Proposed % Of Openings FRR (Hours) Noncombustible construction Combustible construction w/ noncombustible cladding		3.2.3	
North 91.2 97.3 3:1-10:1 100% 18% - yes -			
South - - - - 4% - yes -			
East 66 8.5 <3:1 81% 4% - yes -			
West 60.7 7.6 3:1-10:1 66% 7% - yes -			
(Addition wall areas continued below.)			
3.22b Spatial Separation: cont. Wall EBF (Repeated) Construction Type Cladding Type			
North <input type="checkbox"/> Noncombustible			
South <input type="checkbox"/> Noncombustible			
East <input type="checkbox"/> Noncombustible			
West <input type="checkbox"/> Noncombustible			
3.23a Plumbing Fixture Requirements: Ratio: Male/Female = 50:50 Except as noted otherwise Floor level/ Area Occupant Load OBC Reference Fixtures Required 3M, 6W Fixtures Provided 6M, 6W		3.7.4	
Ground Floor / 985.5 300 3.7.4.3.A			
3.23b Plumbing Fixture Requirements: cont. Floor level/ Area (Repeated) B.F. Fixture Required B.F. Fixture Provided Uni. Fixture Required Uni. Fixtures Provided Tables 3.8.2.3.A and 3.8.2.3.B			
Ground Floor 0 1 1 1			
3.24 Energy Efficiency: Compliance Path: _____ Climatic Zone: 6 OBC Table: _____		12.2.1.2 SB-1 TABLE 2	
3.25 Sound Transmission Design: Is there more than 1 dwelling unit per building? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Option Implemented: _____ Notes: _____		SB-3 5.8.1.2.(2), 5.8.1.4, & 5.8.1.5.	
3.26 Notes: Area of Renovation: 729.25 sq.m. Area of Addition: 256 sq.m.			

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

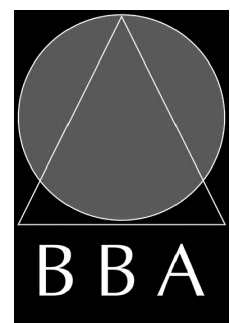
PROJECT:

MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

OBC MATRIX AND LIFE SAFETY PLAN



BARRY BRYAN ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY:
BBA

DRAWN BY:
LO

CHECKED BY:

DATE:
OCT. 2024

SCALE:
AS NOTED

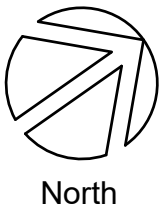
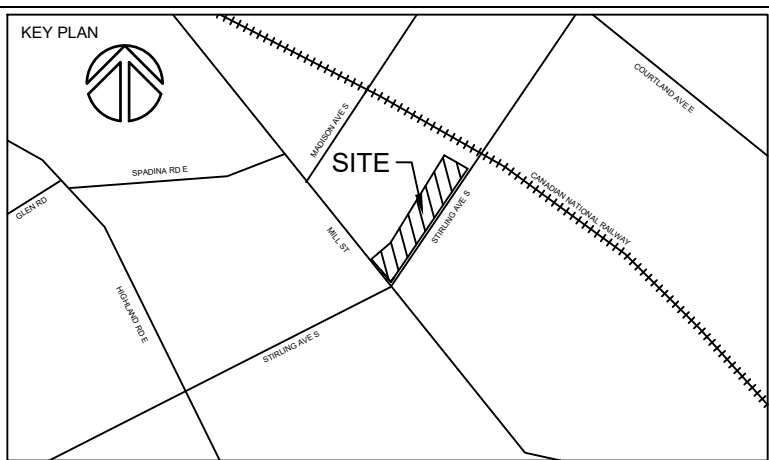
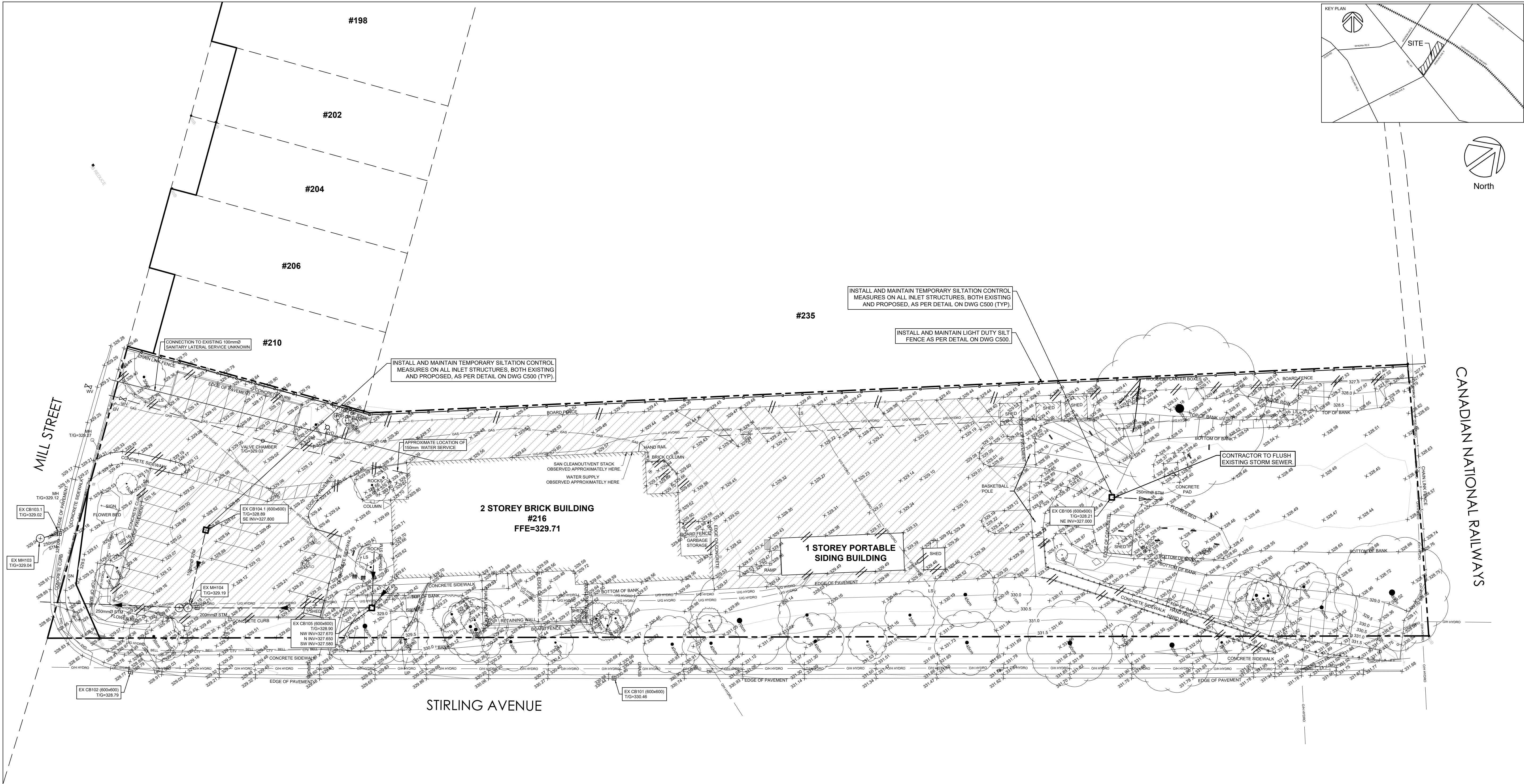
FILE:
24015 A001

PROJECT NO:

24015

DRAWING NO:

A001



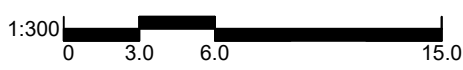
DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1.	ISSUED FOR 60% DRAWINGS	24.10.18	
2.	ISSUED FOR BP	24.12.16	
3.	ISSUED FOR 99% CD	25.01.27	
4.	ISSUED FOR TENDER	25.02.27	

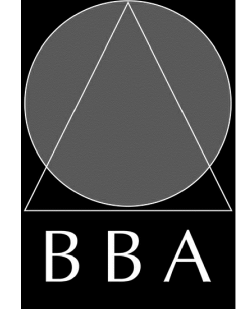
NOTES:
1. UTM GRID, DERIVED FROM GPS OBSERVATION ARE REFERRED TO UTM ZONE 17, NAD83 (CSRS).
THIS SURVEY WAS COMPLETED BY STANTEC GEOMATICS LTD, DATED MAY 30, 2024.
2. DRAWING COORDINATES HAVE BEEN SCALED TO GROUND LEVEL DISTANCES BASED ON THE APPROXIMATE CENTROID OF THE PARCEL.
3. UNDERGROUND UTILITIES AND SERVICES ARE FOR VISUAL PURPOSES ONLY AND WALTERFEY ASSUMES NO RESPONSIBILITY OF THEIR LOCATIONS OR PURPOSES.
4. ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928-78), DERIVED FROM GNSS OBSERVATIONS USING A REAL-TIME CORRECTION SERVICE.

NO.	REVISIONS	DATE	BY



PROJECT:
**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**
216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
**EXISTING CONDITIONS,
REMOVALS & EROSION &
SEDIMENT CONTROL PLAN**
1 of 1



**BARRY BRYAN
ASSOCIATES**
Architects
Engineers
Project Managers
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY: SF, TDK	DOC CONTROL: DATE:
DRAWN BY: TDK, DL, TG	% COMPLETE:
CHECKED BY: SF	INITIAL:
DATE: 2025-01-22	
SCALE: 1:300	
FILE: 2024-0495-10	

PROJECT NO:
24015
DRAWING NO:
C100

LEGEND

---	PROPERTY LINE		EXISTING EMBANKMENT
---	LOT LINE		EXISTING DECIDUOUS TREE
■ SIB	STANDARD IRON BAR		EXISTING CONIFEROUS TREE
○ EX LS	EXISTING LAMP STANDARD		EXISTING TREE DRIPLINE AND/OR VEGETATION LINE
○ EX UP	EXISTING UTILITY POLE		EXISTING SANITARY SERVICE
△ EX SIGN	EXISTING SIGN		EXISTING STORM SERVICE
○ EX BELL MH	EXISTING BELL MANHOLE		EXISTING WATERMAIN
□ EX BELL PED	EXISTING BELL PEDESTAL		EXISTING GASMMAIN
□ EX CTV PED	EXISTING CTV PEDESTAL		EXISTING OVERHEAD HYDRO LINE
⊗ EX GV	EXISTING GAS VALVE		EXISTING UNDERGROUND HYDRO LINE
□ EX CB	EXISTING CATCHBASIN		EXISTING BELL LINE
□ EX DCB	EXISTING DOUBLE CATCHBASIN		EXISTING CABLE LINE
○ EX MH	EXISTING STORM MANHOLE		EXISTING COMMUNICATION LINE
⊗ EX CBMH	EXISTING CATCHBASIN MANHOLE		EXISTING FIBER OPTIC LINE
⊗ EX DCBMH	EXISTING DOUBLE CATCHBASIN MANHOLE		EXISTING DITCH CENTRELINE
⊗ EX SAN MH	EXISTING SANITARY MANHOLE		EXISTING CHAINLINK FENCE
⊗ EX HYD	EXISTING FIRE HYDRANT		EXISTING BOARD FENCE
⊗ EX WV	EXISTING WATERMAIN VALVE		EXISTING GUARDRAIL
---	EXISTING SPOT ELEVATION		REMOVAL ASPHALT
---	EXISTING MAJOR CONTOUR		REMOVAL
---	EXISTING MINOR CONTOUR		

GENERAL NOTES

- EXISTING TOPOGRAPHICAL INFORMATION OBTAINED FROM SURVEY BY STANTEC GEOMATICS LTD, DATED MAY 30, 2024.
- THIS SET OF PLANS SHALL NOT BE USED FOR CONSTRUCTION UNTIL STAMPED BY THE DESIGN ENGINEER AND APPROVED BY THE LOCAL MUNICIPALITY.
- NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.
- THIS PLAN NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF WALTERFEDY.
- THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.
- ANY AREA DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CONSULTANT AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO MUNICIPAL STANDARDS.
- ALL HEALTH AND SAFETY RELATED SIGNAGE MUST BE POSTED AT THE SITE AS REQUIRED BY APPLICABLE LAW AND BEST MANAGEMENT PRACTICES.
- AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CONSULTANT WITH A DIGITAL FILE OF AS-CONSTRUCTED DRAWINGS. THE DRAWINGS MUST REFLECT THE CONSTRUCTED STATE OF THE WORK. SUBMISSION OF UNALTERED DESIGN DRAWINGS AND CONTRACT CHANGES WILL NOT BE ACCEPTED.

GRADING NOTES

- MATCH EXISTING GRADES AT ALL PROPERTY LINES AND/OR LIMITS OF CONSTRUCTION EXCEPT WHERE PROPOSED GRADES ARE NOTED.
- MANAGEMENT OF EXCESS MATERIALS SHALL BE IN ACCORDANCE WITH OPSS 180. ENVIRONMENTALLY IMPACTED SOILS, WHERE AND WHEN ENCOUNTERED, SHALL BE MANAGED ON SITE AS REQUIRED UNTIL SUCH TIME THAT LABORATORY TESTING RESULTS HAVE CONFIRMED THE NATURE OF THE IMPACTS AND A SUITABLE DISPOSAL METHOD.
- SURPLUS MATERIAL OF ALL TYPES NOT REQUIRED FOR BACKFILL, GRADING OR LANDSCAPING SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE SITE AS DIRECTED BY THE CONSULTANT. THE COSTS OF ALL OFF-SITE DISPOSAL SHALL BE BORNE BY THE CONTRACTOR UNLESS A SPECIFIC PROVISION IS MADE IN THE CONTRACT DOCUMENTS FOR PAYMENT FROM DISPOSAL OF A SPECIFIC SURPLUS MATERIAL.
- MATERIALS TO BE REMOVED SHALL BE NEATLY SAW-CUT ALONG ITS LIMITS, IN ADVANCE OF THE REMOVAL. THE LIMITS OF REMOVAL SHALL BE AS NOTED ON THE PLANS UNLESS AN EXTENSION OR REDUCTION OF THE MATERIAL TO BE REMOVED IS APPROVED IN ADVANCE BY THE CONSULTANT. AS SUCH, THE COSTS OF ANY OVER-EXCAVATION NOT APPROVED IN ADVANCE SHALL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY SHALL ALSO EXTEND TO RESTORATION OR REPLACEMENT OF DISTURBED FEATURES AND SURFACES DUE TO UNAUTHORIZED EXCAVATION.
- ALL FILL PLACED ON SITE SHALL BE COMPACTED TO A MINIMUM 95% SPMD (UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER OR ON THE DRAWINGS AND IN THE SPECIFICATIONS). ALL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 300mm LIFTS EXCEPT WHERE UNDER PAVING, AND WALKS WHEN LAYERS SHALL BE 150mm MAX.
- MAXIMUM SLOPE IN GRASSED AREAS TO BE 3:1. SLOPES GREATER THAN 3:1 TO BE LANDSCAPED WITH LOW MAINTENANCE GROUND COVER. MINIMUM SLOPE IN GRASSED AREAS TO BE 1%. GRASS SWALES WITH A SLOPE LESS THAN 1% TO BE UNDERLAIN WITH A FRENCH DRAIN.
- FINISH GRADE AT FOUNDATION WALLS TO BE MINIMUM 150mm BELOW THE TOP OF FOUNDATION WALL/BRICK LINE UNLESS SPECIFIED OTHERWISE ON THE DRAWINGS.
- CONTRACTOR TO PROVIDE POSITIVE DRAINAGE ON ALL SURFACES TO THE APPROPRIATE OUTLET STRUCTURE. AREAS OF PONDING CAUSED BY CONSTRUCTION ERROR WILL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CONSULTANT AT THE CONTRACTORS EXPENSE.

GENERAL SERVICING

- ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE REGULATIONS SET OUT BY THE MUNICIPALITY HAVING JURISDICTION.
- RIGID PIPE BEDDING: CLASS 'B' AS PER OPSS 802.030 (EARTH EXCAVATION, TYPE 1 OR 2 SOIL), OPSS 802.031 (EARTH EXCAVATION, TYPE 3 SOIL), OPSS 802.032 (EARTH EXCAVATION, TYPE 4 SOIL)
- FLEXIBLE PIPE BEDDING: AS PER OPSS 802.010 (EARTH), 802.014 (IN EMBANKMENT)
- (NATIVE FILL MATERIAL, GRANULAR FILL) IN ACCORDANCE WITH SECTION 31 30 00 SHALL BE DEPOSITED IN THE TRENCH, FOR THE FULL WIDTH OF THE TRENCH, COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY IN LAYERS NOT OVER 300mm DEPTH, EXCEPT WHERE UNDER PAVING, AND WALKS WHEN LAYERS SHALL BE 150mm MAX.
- WHEN BELL AND SPIGOT PIPE IS LAID, THE BELL END OF THE PIPE SHALL BE LAID UPGRADE.
- PIPE SHALL BE KEPT CLEAN AND DRY AS WORK PROGRESSES, THE TRENCH SHALL BE KEPT DRY.
- A REMOVABLE WATERTIGHT BULKHEAD SHALL BE INSTALLED DAILY AT THE OPEN END OF THE LAST PIPE LAID.
- PIPE SHALL NOT BE LAID UNTIL THE PRECEDING PIPE JOINT HAS BEEN COMPLETED AND THE PIPE IS BEDDED AND SECURED IN PLACE.
- ALL PIPE ENDS SHALL BE THOROUGHLY CLEANED PRIOR TO THE INSTALLATION OF GASKETS. ALL GASKETS TO BE LUBRICATED PRIOR TO BEING INSTALLED OR AS RECOMMENDED BY THE PIPE MANUFACTURER.
- A TEMPORARY LOCATION MARKER 50x75mm SHALL BE PLACED AT THE END OF ALL CAPPED SERVICE CONNECTIONS. THE MARKER SHALL BE PLACED 300mm ABOVE THE PLUGGED END OF THE SERVICE PIPE, CUT AT LEAST 500mm ABOVE THE FINISHED GRADE, AND MARKED WITH BRIGHT PAINT.
- ALL MANHOLES, BASINS, CHAMBERS ETC. TO BE INSTALLED LEVEL AND PLUMB TO THE SATISFACTION OF THE CONSULTANT.

STORM AND SANITARY SEWER

- POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS: SMOOTH (AND RIBBED) PROFILES, TO OPSS 1841 AND CSA B182.2, WITH SEPARATE GASKET AND INTEGRAL BELL SYSTEM, IN 6.0m NOMINAL LENGTHS AS FOLLOWS:
 - 100-150mm OD: SDR28 PVC, WITH 625 kPa STIFFNESS.
 - 200mm OD AND LARGER: SDR35 PVC WITH 320 kPa STIFFNESS.
- SUBSURFACE DRAINAGE PIPE AND FITTINGS: TO OPSS 405, PERFORATED PVC PIPE TO OPSS 1841 OR PE PIPE TO OPSS MUNI 1840, TO CAN/CSA-B182.1; COMPLETE WITH KNITTED SOCK GEOTEXTILE AS REQUIRED (TERRAFIX 270R OR EQUIVALENT).
- MANHOLES AND CATCH-BASIN MANHOLES TO BE PRECAST 1200mm DIAMETER WITH ALUMINUM STEPS AT 300mm SPACING AS PER OPSS 701.010 UNLESS SPECIFIED OTHERWISE.
- CATCHBASINS TO BE 600mm SQUARE PRECAST AS PER OPSS 705.010.
- CATCHBASIN MANHOLES, CATCHBASINS, AND DOUBLE CATCHBASINS TO HAVE A MINIMUM 600mm DEEP SUMP. WHEN THE STRUCTURE INCLUDES THE INSTALLATION OF A SNOUT (OR APPROVED EQUIVALENT) THE SUMP DEPTH TO BE A MIN 2.5 TIMES THE OUTLET PIPE DIAMETER SIZE.
- MANHOLE AND CATCHBASIN, FRAMES, GRATES, CASTINGS, LIDS TO BE AS PER OPSS 1850.
- CAST IRON FRAMES AND COVERS OR GRATES- STORM SEWERS: TO OPSS 1850 AND (OPSD 400.010, OPSD 400.020, SSMS E4-01), OPSD 401.010 (A, CLOSED, B, OPEN).
- STORM SEWERS AND SERVICES TO HAVE MINIMUM 1.2m COVER TO TOP OF PIPE, WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED SEWER PIPE IN ACCORDANCE WITH APPLICABLE 'SEWER PIPE INSULATION DETAIL' INDICATED IN DRAWING DETAILS.
- ALL PIPES, TO BE INSTALLED FLUSH WITH THE INSIDE WALLS OF THE STRUCTURE AND PARGED TO A SMOOTH FINISH.
- ALL STORM MANHOLES DO NOT REQUIRE BENCHING.
- CONTRACTOR TO SUPPLY AND PAY FOR CCTV INSPECTION OF ALL SEWER LINES AND STRUCTURES.
- ACCEPTANCE OF SEWER LINES AND STRUCTURES SHALL BE MADE AFTER THE CONSULTANT HAS REVIEWED THE CCTV DOCUMENTATION AND VIDEOS, AND EXPRESSED IN WRITING THAT THE SEWER LINES AND STRUCTURES ARE ACCEPTABLE.
- IF CCTV INSPECTIONS SHOW ADDITIONAL CLEANING IS REQUIRED, CLEAN AND RE-INSPECT THE SEWER UNTIL ACCEPTED BY THE CONSULTANT.
- A MINIMUM OF ONE (1) AND MAXIMUM OF THREE (3) ADJUSTMENT UNITS SHALL BE INSTALLED ON EACH STRUCTURE TO A MINIMUM HEIGHT OF 75mm AND MAXIMUM OF 300mm. THE FIRST ADJUSTMENT UNIT SHALL BE LAID IN A FULL BED OF MORTAR AND ALIGNED WITH THE OPENING IN THE STRUCTURE. SUCCESSIVE ADJUSTMENT UNITS SHALL BE LAID PLUMB TO THE FIRST ADJUSTMENT UNIT AND SEALED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. FRAMES WITH GRATES OR COVERS SHALL BE SET IN A FULL BED OF MORTAR ON THE ADJUSTMENT UNITS AND SUPPORTED USING SHIMS. ROCKS, STONES AND DEBRIS WILL NOT BE PERMITTED FOR USE AS SHIMS.

CONSTRUCTION NOTES

GENERAL

- PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST:

- CHECK AND VERIFY ALL DIMENSIONS AND EXISTING ELEVATIONS WHICH INCLUDES, BUT IS NOT LIMITED TO, THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS.
- OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES.
- VERIFY THAT THE FINISHED FLOOR ELEVATIONS AND EXISTING FLOOR ELEVATIONS COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.
- CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.
- REPORT DISCREPANCIES IN EXISTING CONDITION INFORMATION IMMEDIATELY TO THE CONSULTANT.
- THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR DAMAGE TO EXISTING WORKS. DAMAGE SHALL BE RECTIFIED TO THE SATISFACTION OF THE CONSULTANT AND OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY SUPPORT AND/OR RELOCATION OF EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE REQUIREMENTS OF ALL UTILITY COMPANIES WHEN CROSSING OR WORKING NEAR THEIR PLANT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL TEMPORARY BENCHMARKS ESTABLISHED FOR DESIGN PURPOSES, PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL CONTACT THE CONSULTANT 48 HOURS PRIOR TO COMMENCING WORK TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION.
- THE RIGHT-OF-WAY (INCLUDING THE BOULEVARD) IS NOT TO BE USED FOR ANY CONSTRUCTION ACTIVITY UNTIL A PERMIT HAS BEEN OBTAINED AS PER THE CITY REQUIREMENTS.
- LIMIT CONSTRUCTION TO ACCEPTABLE TIMES WITHIN THE CITY OF KITCHENER NOISE BYLAW. CONSTRUCTION HOURS ARE 7AM TO 7PM DAILY WITHOUT EXCEPTION.
- IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR THEIR REPRESENTATIVE MUST ENCROACH ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, THEY MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO CITY ENGINEERING DEVELOPMENT DIVISION, PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNERS & CONTRACTOR'S OWN RISK.

TRAFFIC, ACCESS, SAFETY

- PEDESTRIANS MUST BE ASSURED SAFE PASSAGE ALONG MILL ST AND STIRLING AVE SOUTH. AT ALL TIMES, ALL PEDESTRIAN WALKWAYS MUST BE MAINTAINED AS LONG AS POSSIBLE AFTER WHICH TIME IT IS TEMPORARILY REPLACED BY A SUITABLE GRANULAR MATERIAL TO THE SATISFACTION OF THE CONSULTANT AND/OR CITY OF KITCHENER.
- FOR EMERGENCY RESPONSE, CONTRACTOR MUST MAINTAIN CONSTRUCTION ACCESS FREE AND CLEAR OF DEBRIS, MATERIALS, VEHICLES, AND EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS, AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE CITY OF KITCHENER AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

REMOVALS

- ALL REMOVALS TO BE IN ACCORDANCE WITH OPSS MUNI 310.

ASPHALT

- ASPHALT MATERIAL TO BE PROVIDED AS PER OPSS 1150 AND INSTALLED AS PER OPSS 310.
- WHERE NEW ASPHALT ABUTS EXISTING ASPHALT, EXISTING ASPHALT SHALL BE SAW CUT AND HAVE TACK COAT APPLIED AS PER OPSS 308 TO A CLEAN DRY FACE BEFORE NEW ASPHALT IS PLACED.
- SUBMIT ONE COPY OF THE PROPOSED ASPHALT MIX DESIGN FOR ANY PAVING MATERIALS DIRECTLY TO THE CONSULTANT A MINIMUM OF TWO WEEKS IN ADVANCE OF SCHEDULED ASPHALT PAVING.

CONCRETE

- EXISTING SIDEWALK ON THE RIGHT OF WAY IS NOT TO BE REMOVED UNTIL THE CONTRACTOR IS READY TO REPLACE SIDEWALKS.
- CONCRETE SIDEWALK WITHIN THE RIGHT OF WAY SHALL BE AS PER OPSS 310.010 AND 310.030.
- CONCRETE BARRIER CURB TO BE AS PER OPSS 600.110, DETAIL ON THIS SHEET - 32MPa @ 28 DAYS CONCRETE TO OPSS 353, 7±1.5% AIR ENTRAINMENT, 19mm MAX COURSE AGGREGATE, 60mm MAX SLUMP.
- CONCRETE SIDEWALK TO BE AS PER DETAIL ON THIS SHEET 32MPa @ 28 DAYS CONCRETE TO OPSS 351, 7±1.5% AIR ENTRAINMENT, 19mm MAX COURSE AGGREGATE, 70±20mm SLUMP.
- UNSHRINKABLE FILL: TO OPSS 1359, 28-DAY COMPRESSIVE STRENGTH: 0.4 - 0.7 MPa, MAXIMUM 25mm COURSE AGGREGATE SIZE.
- SUBMIT ONE COPY OF ALL PROPOSED CONCRETE MIX DESIGNS DIRECTLY TO THE CONSULTANT A MINIMUM OF TWO WEEKS IN ADVANCE OF SCHEDULED CONCRETE POURING.

GRANULAR

- ALL GRANULAR BASE, SUBBASE, SUBGRADE AND BACKFILL TO BE PROVIDED AS PER OPSS MUNI 1010 AND INSTALLED AS PER OPSS MUNI 314.
- COARSE GRANULAR FILL: MATERIAL AS SPECIFIED BELOW; COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY, UNLESS SPECIFIED OTHERWISE, IN LIFTS NOT EXCEEDING 300mm IN COMPACTED THICKNESS; MOISTURE CONTENT WITHIN PLUS OR MINUS 2% OF THE REQUIREMENTS OF ASTM D698.
 - GRANULAR 'B', TYPE 2 TO OPSS MUNI 1010.
 - 50mm CRUSHER RUN LIMESTONE MEETING THE GRADATION PROVIDED IN THE CITY OF TORONTO AMENDMENT TO OPSS MUNI 1010 DOCUMENT; TS 1010.
- FINE GRANULAR FILL: MATERIAL AS SPECIFIED BELOW; COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY, UNLESS SPECIFIED OTHERWISE, IN LIFTS NOT EXCEEDING 150mm IN COMPACTED THICKNESS; MOISTURE CONTENT WITHIN PLUS OR MINUS 2% OF THE REQUIREMENTS OF ASTM D698.
 - GRANULAR 'A' TO OPSS MUNI 1010.
 - 19mm CRUSHER RUN LIMESTONE MEETING THE GRADATION PROVIDED IN THE CITY OF TORONTO AMENDMENT TO OPSS MUNI 1010 DOCUMENT; TS 1010.

EARTHWORK

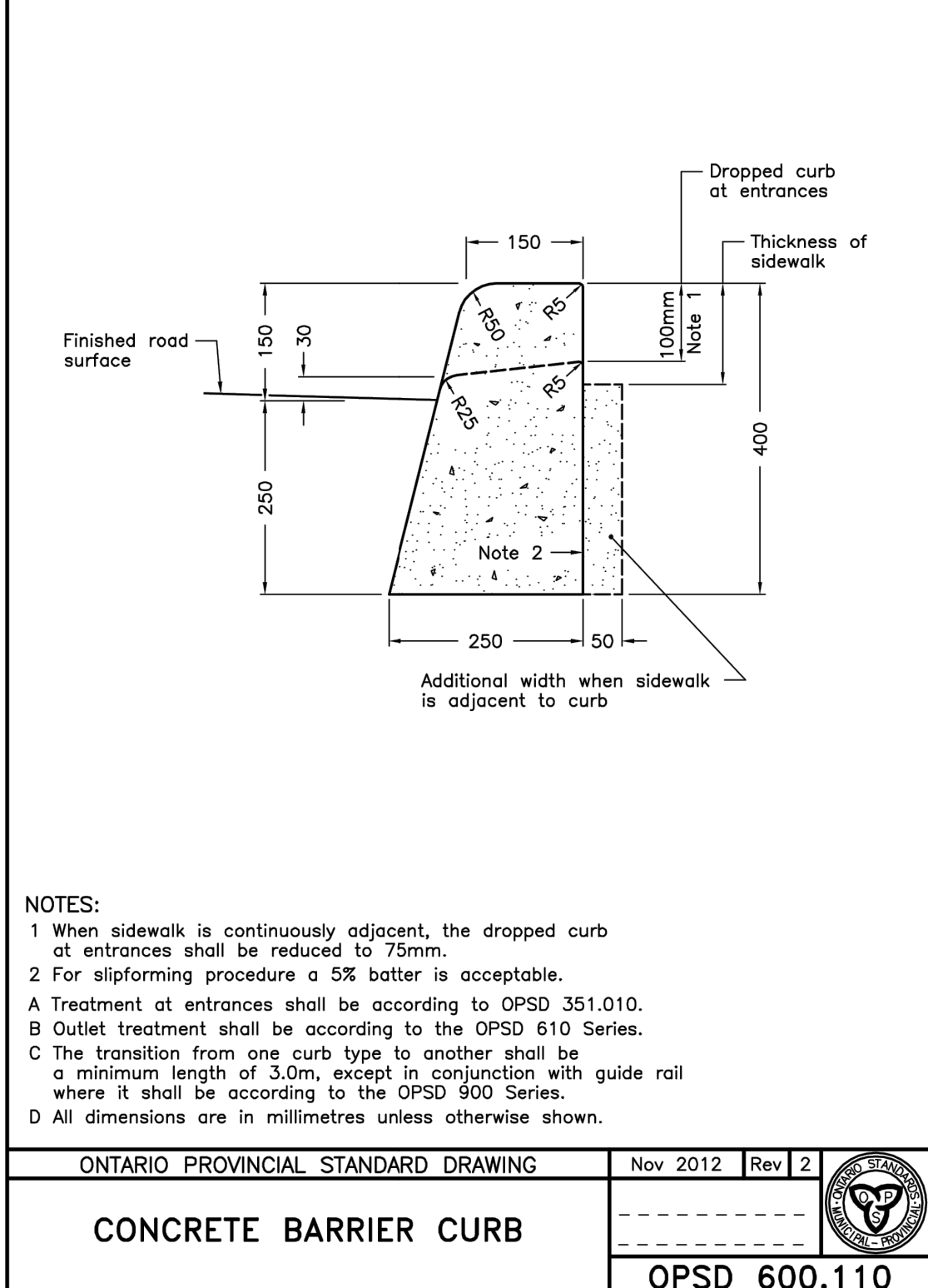
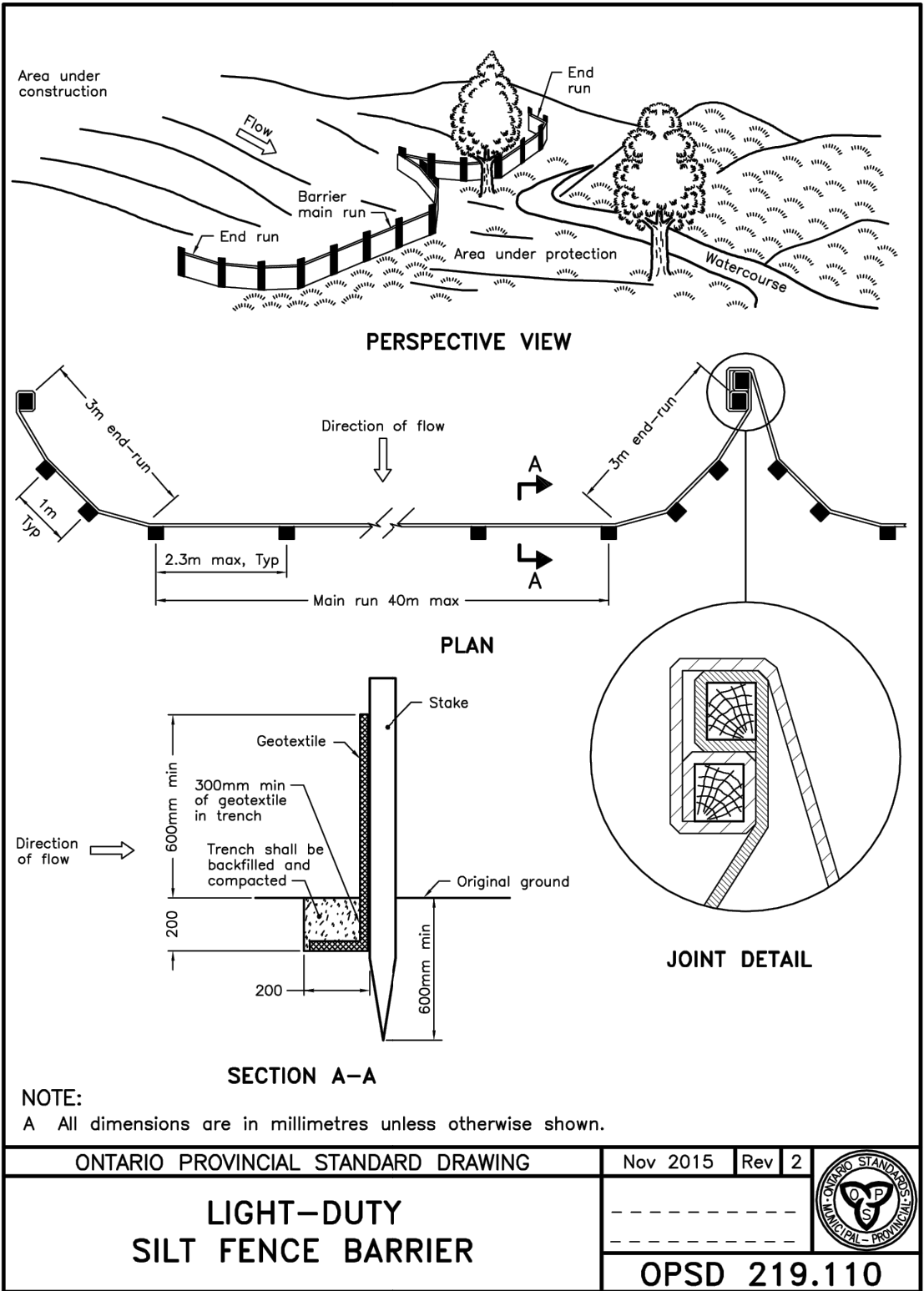
- IN ACCORDANCE WITH THE CITY OF KITCHENER SITE ALTERATION BY-LAW: NO FILLING, PRE-GRADING OR TREE REMOVAL SHALL OCCUR, IN ADVANCE OF THE FINAL SITE PLAN ENGINEERING ACCEPTANCE, WITHOUT PERMIT. SHOULD THE DEVELOPER OR CONTRACTOR WISH TO PREPARE THE SITE FOR CONSTRUCTION PRIOR TO ENGINEERING ACCEPTANCE, AN APPLICATION FOR A SITE ALTERATION PERMIT MUST BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEERING AND CONSTRUCTION DIVISION FOR REVIEW AND APPROVAL.
- ANY AREAS WHICH REQUIRE FILL IN EXCESS OF 0.30m ARE SUBJECT TO COMPACTION TESTS AND SUCH TESTS MUST SHOW A MINIMUM COMPACTION OF 95% SPMDI AT ALL DEPTHS.

TOPS/LO/SOD

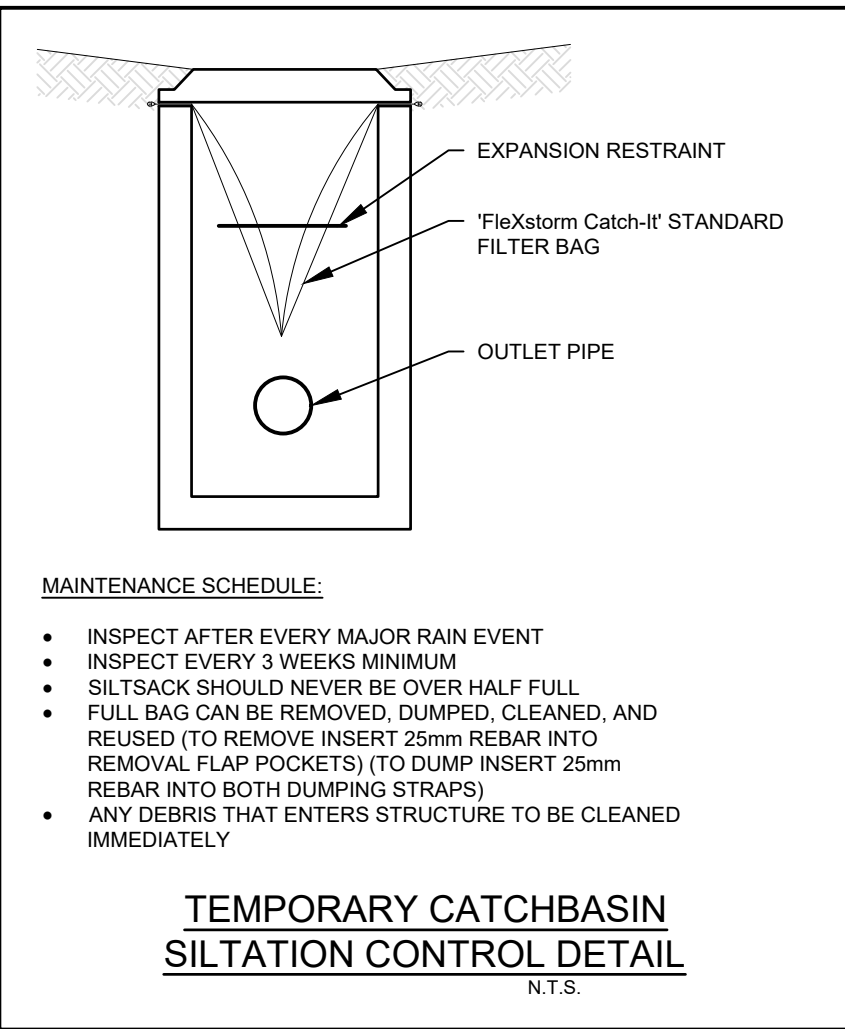
- TOPSOIL TO BE PROVIDED AND INSTALLED AS PER OPSS 802. SOD TO BE PROVIDED AND INSTALLED AS PER OPSS 803.

PAVEMENT MARKING & SIGNS

- PAVEMENT MARKINGS TO BE LAID OUT AS PER THE DRAWINGS AND CONTRACTOR TO CONTACT CONSULTANT TO REVIEW LAYOUT PRIOR TO PAINTING. ALL PAINT LINES TO BE OF UNIFORM COLOR AND DENSITY WITH SHARP EDGES TO THE SATISFACTION OF THE CONSULTANT.
- PAVEMENT MARKINGS TO BE
 - ORGANIC SOLVENT BASED TRAFFIC PAINT TO CONFORM TO OPSS 1712 AND APPLIED AS PER OPSS 710
 - WHITE - CGSB 1-GP-12C WHITE 513-301
 - YELLOW - SHALL MATCH EITHER THE YELLOW COLOUR CHIP OF THE MINISTRY OF TRANSPORTATION ONTARIO OR U.S. FEDERAL 595B, YELLOW 33538
 - BLACK - CGSB 1-GP-12C BLACK 512-301
 - ALL EXISTING SIGNS, MAIL BOXES, POSTS, ETC., WHICH MUST BE REMOVED TO ACCOMMODATE CONSTRUCTION SHALL BE SALVAGED AND REINSTATED AS DIRECTED BY THE CONTRACT ADMINISTRATOR IN EQUAL OR BETTER CONDITION. THE CONTRACTOR SHALL MAKE GOOD ANY DAMAGE CAUSED TO SUCH FACILITIES AT HIS OWN EXPENSE. EXISTING STOP CONTROL SIGNS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION TO THE SATISFACTION OF THE ROAD AUTHORITY AND THE CONTRACT ADMINISTRATOR.

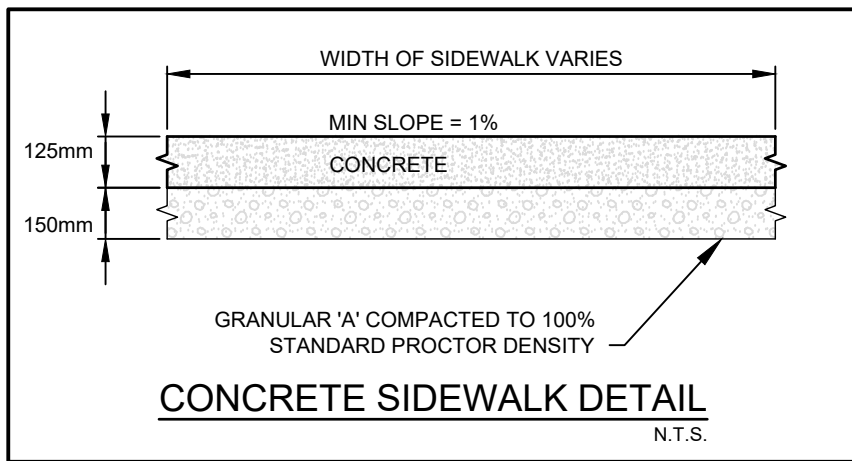
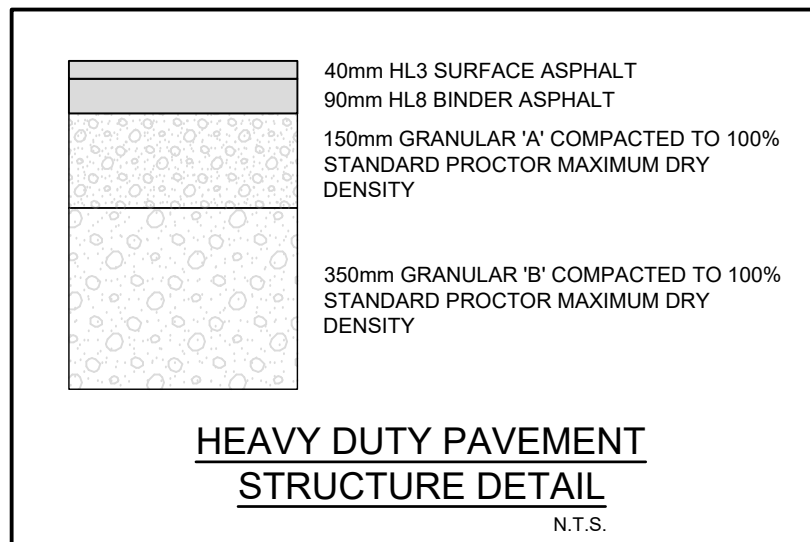
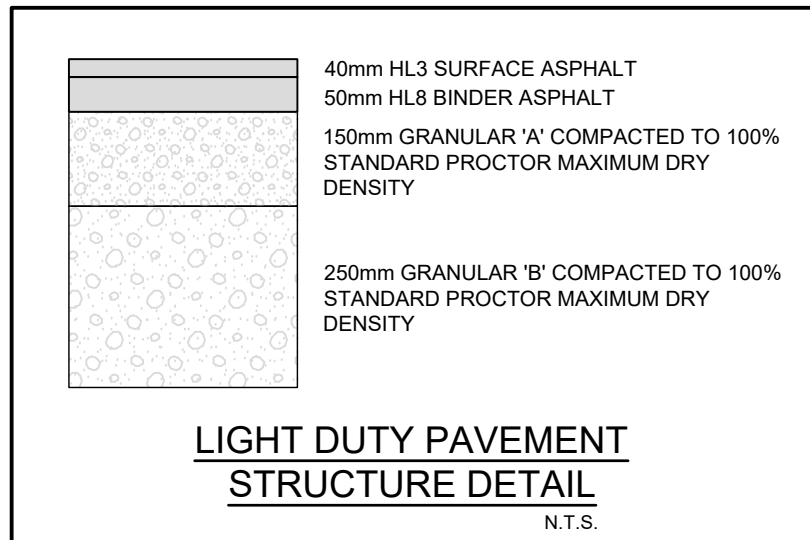
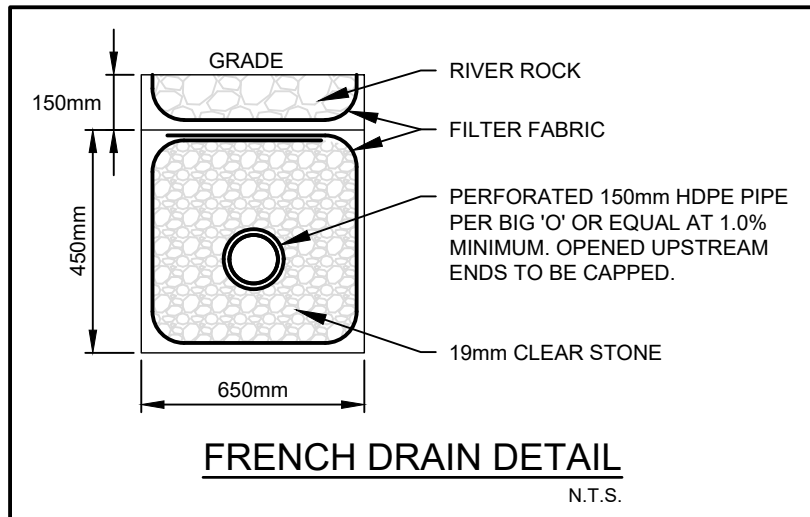


- NOTES:
- When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
 - For slipforming procedure a 5% batter is acceptable.
- A Treatment at entrances shall be according to OPSS 351.010.
B Outlet treatment shall be according to the OPSS 610 Series.
C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSS 900 Series.
D All dimensions are in millimetres unless otherwise shown.



MAINTENANCE SCHEDULE:

- INSPECT AFTER EVERY MAJOR RAIN EVENT
- INSPECT EVERY 3 WEEKS MINIMUM
- SILT SACK SHOULD NEVER BE OVER HALF FULL
- FULL BAG CAN BE REMOVED, DUMPED, CLEANED, AND REUSED (TO REMOVE INSERT 25mm REBAR INTO REMOVAL FLAP POCKETS) (TO DUMP INSERT 25mm REBAR INTO BOTH DUMPING STRAPS)
- ANY DEBRIS THAT ENTERS STRUCTURE TO BE CLEANED IMMEDIATELY



DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1.	ISSUED FOR 99% CD	25.01.27	
2.	ISSUED FOR TENDER	25.02.27	

NO.	REVISIONS	DATE	BY

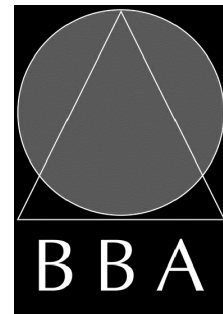
PROJECT:

MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

GENERAL NOTES AND DETAILS
1 of 1



BARRY BRYAN ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY: SF, TDK	DOC. CONTROL: DATE:
DRAWN BY: TDK, DL, TG	% COMPLETE:
CHECKED BY: SF	INITIAL:

DATE:
2025-01-22

SCALE:

FILE:
2024-0495-10

PROJECT NO:

24015

DRAWING NO:

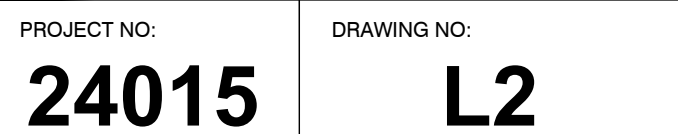
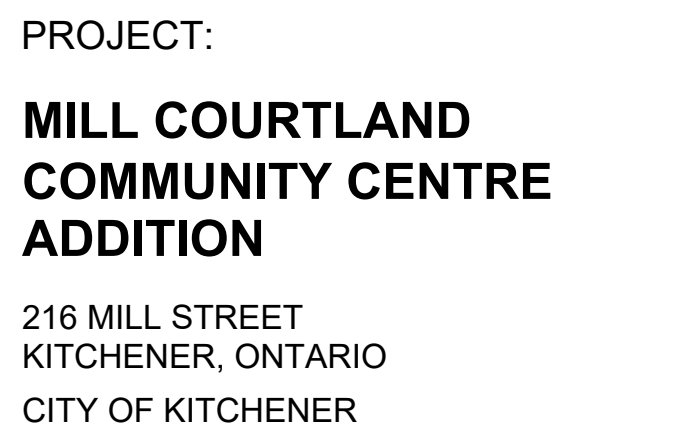
C500



2 PLANT SCHEDULE
L2 1:150



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



SITE PLAN HATCHES LEGEND:

	ASPHALT
	HEAVY DUTY ASPHALT
	SNOW STORAGE AREA
	CONCRETE PATHWAY

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	JUNE 3, 2024	BBA
2	FOR CITY OF KITCHENER CIRCULATION	JULY 25, 2024	BBA
3	60% PROGRESS	OCT. 18, 2024	BBA
4	ISSUED FOR STAMP PLAN A	OCT. 21, 2024	BBA
5	FOR BUILDING PERMIT	DEC. 16, 2024	BBA
6	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
7	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

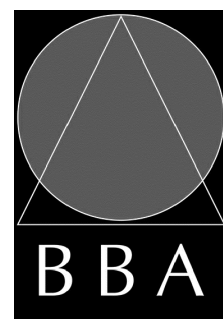
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

PART SITE PLAN



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY:
BBA

DRAWN BY:
CM

CHECKED BY:

DOC. CONTROL:
DATE:

% COMPLETE:
INITIAL:

DATE:

SCALE:
1:150 U.N.O.

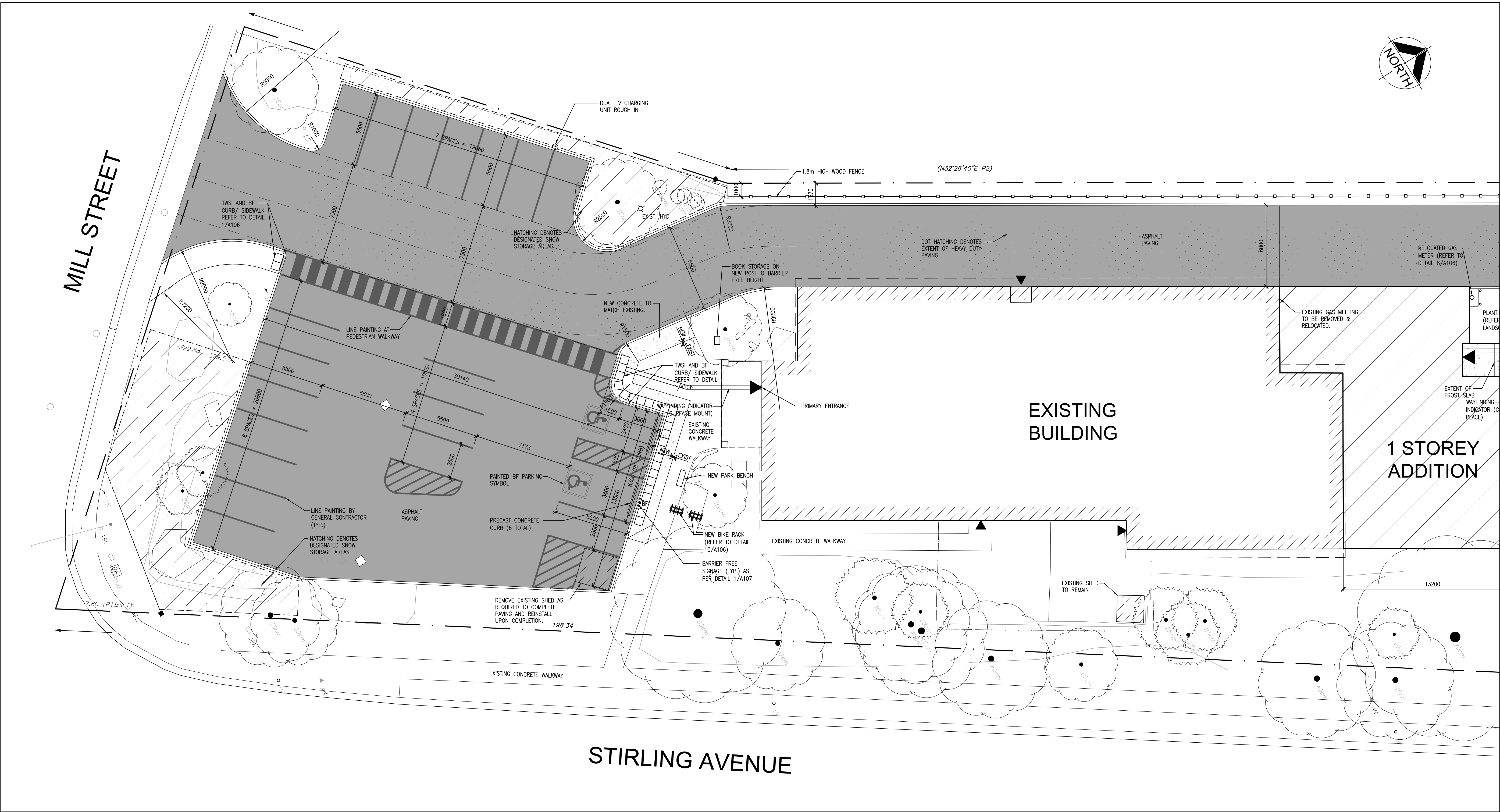
FILE:
24015 A102-A103

PROJECT NO:


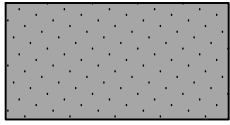
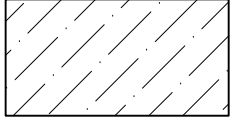
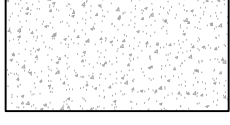
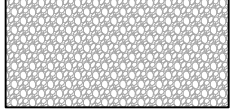
24015

DRAWING NO:

A102



SITE PLAN HATCHES LEGEND:

	ASPHALT
	HEAVY DUTY ASPHALT
	SNOW STORAGE AREA
	CONCRETE PATHWAY
	GRAVEL PATHWAY

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	JUNE 3, 2024	BBA
2	FOR CITY OF KITCHENER CIRCULATION	JULY 25, 2024	BBA
3	60% PROGRESS	OCT. 18, 2024	BBA
4	ISSUED FOR STAMP PLAN A	OCT. 21, 2024	BBA
5	FOR BUILDING PERMIT	DEC. 16, 2024	BBA
6	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
7	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

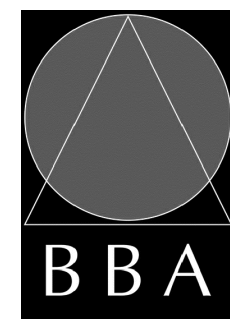
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

PART SITE PLAN



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-6252
Fax: (905) 666-6256
e-mail: bba@bba-archeng.com

DESIGN BY:
BBA

DOC. CONTROL:
DATE:

DRAWN BY:
CM

% COMPLETE:

CHECKED BY:

INITIAL:

DATE:

SCALE:
1:150 U.N.O.

FILE:

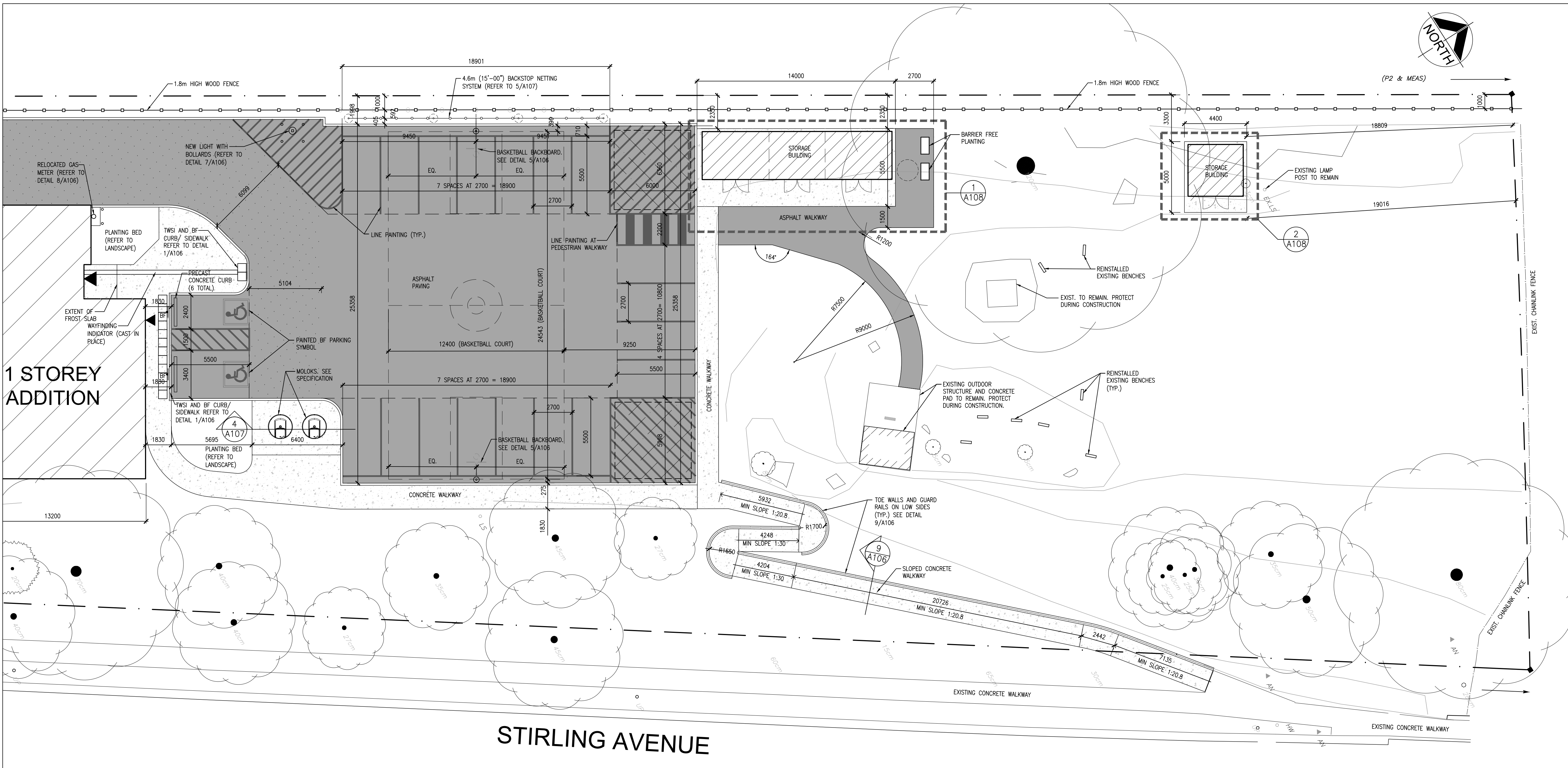
24015 A103-A104

PROJECT NO:

24015

DRAWING NO:

A103



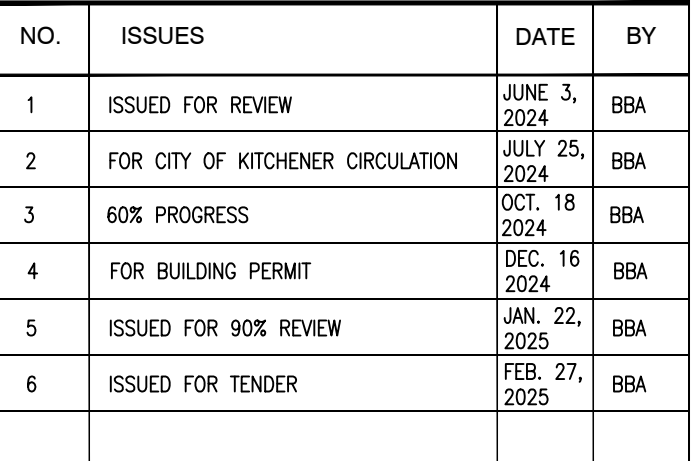
1
A103 PART SITE PLAN
1:150

DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

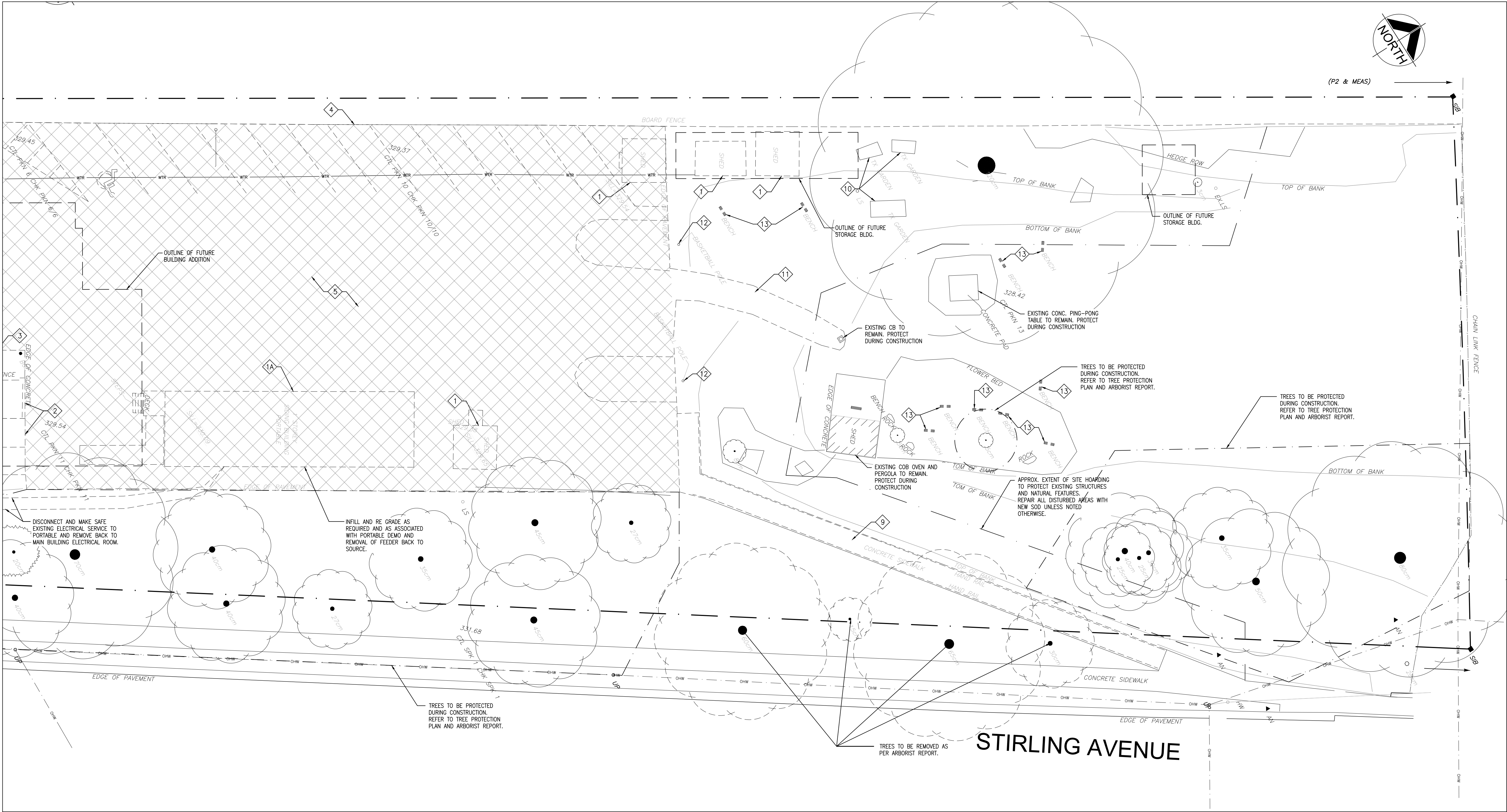
[illegible]

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PART DEMOLITION SITE PLAN



	DEMOLITION HATCH LEGEND	SITE DEMOLITION NOTES	GENERAL DEMOLITION NOTES
	<div><div></div>IDENTIFIES APPROXIMATE LIMITS OF REMOVAL OF EXISTING ASPHALT.</div> <div><div></div>IDENTIFIES APPROXIMATE LIMITS OF REMOVAL OF EXISTING CONCRETE SIDEWALK.</div>	<div>1 REMOVE & DISPOSE OF EXISTING BUILDINGS IN THEIR ENTIRETY AND AS REQUIRED TO COMPLETE NEW WORK.</div> <div>1A REMOVE & DISPOSE OF EXISTING PORTABLE STRUCTURE IN IT'S ENTIRETY INCLUDING SERVICES AND FOUNDATIONS AND AS REQUIRED TO COMPLETE NEW WORK.</div> <div>2 REMOVE & DISPOSE OF EXISTING GARBAGE ENCLOSURE AND STORAGE ROOM. SEE ALSO BUILDING DEMOLITION DRAWINGS.</div> <div>3 REMOVE & DISPOSE OF EXISTING CONCRETE PAD AND BOLLARDS.</div> <div>4 REMOVE & DISPOSE OF EXISTING WOOD FENCE AND FOUNDATIONS.</div> <div>5 REMOVE & DISPOSE OF EXISTING ASPHALT PAVING, PRECAST CURBS AND BASE MATERIALS. SALVAGE BASE MATERIALS DEEMED SUITABLE FOR REUSE BY GEOTECHNICAL CONSULTANT.</div> <div>6 REMOVE & DISPOSE OF EXISTING CONCRETE SLAB AND RAILINGS.</div> <div>7 REMOVE EXISTING GAS METER AND GUARDS AND REINSTALL IN NEW LOCATION. REFER TO MECHANICAL AND NEW PLANS.</div> <div>8 REFER TO BUILDING DEMOLITION DRAWINGS FOR COLUMN REMOVAL. SEE ALSO STRUCTURAL DRAWINGS.</div> <div>9 REMOVE & DISPOSE OF EXISTING SLOPED CONCRETE SIDEWALK AND RAILINGS. TO EXTENT SHOWN AND AS REQUIRED TO COMPLETE NEW WORK.</div> <div>10 REMOVE & DISPOSE OF EXISTING DAMAGED RAISED WOOD PLANTERS. CLIENT/ CONSULTANT TO CONFIRM THE AMOUNT OF WOOD PLANTERS TO BE REMOVED AND RETAINED.</div> <div>11 REMOVE & DISPOSE OF EXISTING ASPHALT SWALE.</div> <div>12 REMOVE & DISPOSE OF EXISTING BASKETBALL POLE AND BACK BOARD.</div> <div>13 REMOVE & REINSTALL / RELOCATE EXISTING WOOD BENCHES.</div> <div>14 REMOVE & DISPOSE OF EXISTING CONCRETE SIDEWALK AND PAVING TO EXTENT SHOWN AND AS REQUIRED TO COMPLETE NEW WORK.</div> <div>15 REMOVE & DISPOSE OF EXISTING CONCRETE SIDEWALK TO EXTENT SHOWN AND AS REQUIRED TO COMPLETE NEW WORK.</div> <div>16 REMOVE & DISPOSE OF EXISTING BIKE RACKS.</div> <div>17 CAREFULLY REMOVE EXISTING BENCH AND REPLACE WITH NEW.</div>	<div>1. SITE VERIFY ALL DIMENSIONS AND CONDITIONS</div> <div>2. ALL WORK TO BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.</div> <div>3. COMPLY WITH OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS FOR CONSTRUCTION PROJECTS.</div> <div>4. PROVIDE PROTECTION IN LOCATIONS APPROVED BY THE OWNER AND CONSTRUCTION MANAGER SO AS NOT TO DAMAGE EXISTING STRUCTURE, LANDSCAPE OR PART THEREOF.</div> <div>5. DEMOLITION DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS. COMPLETE ALL DEMOLITION WORK NECESSARY TO COMPLETE THE NEW SITE WORK AS SHOWN AND AS REQUIRED.</div> <div>6. ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, COMMUNICATIONS, ELECTRICAL AND LANDSCAPE DRAWINGS ARE COMPLEMENTARY AND SHALL BE READ TOGETHER.</div> <div>7. NOTIFY THE CONSULTANT OF ANY DISCREPANCIES.</div> <div>8. PROVIDE TREE PROTECTION FENCING AROUND ALL EXISTING TREES TO REMAIN WHICH ARE ADJACENT TO NEW WORK.</div> <div>9. MAINTAIN WORK AREAS AND STORAGE AREAS IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES.</div> <div>10. SITE VERIFY LOCATIONS OF ALL SERVICES IN OR ADJACENT TO CONSTRUCTION AREA.</div>



1 PART DEMOLITION SITE PLAN
A105 1:150

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

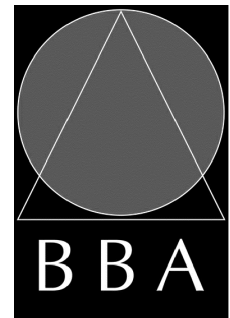


NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	JUNE 3, 2024	BBA
2	FOR CITY OF KITCHENER CIRCULATION	JULY 25, 2024	BBA
3	60% PROGRESS	OCT. 18, 2024	BBA
4	FOR BUILDING PERMIT	DEC. 16, 2024	BBA
5	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
6	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:
**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**
216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
**PART DEMOLITION
SITE PLAN**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

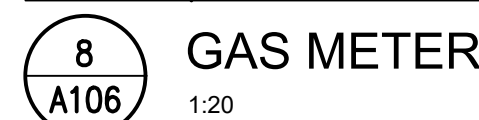
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5


Tel: (905) 666-6252
Fax: (905) 666-6256
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC CONTROL: DATE:
DRAWN BY: CM	% COMPLETE:
CHECKED BY:	INITIAL:

DATE:
SCALE: 1:150 U.N.O.
FILE: 24015 A104-A105

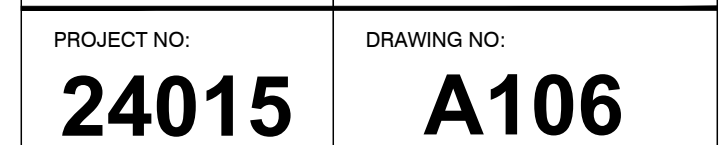
PROJECT NO: 24015	DRAWING NO: A105
-----------------------------	----------------------------



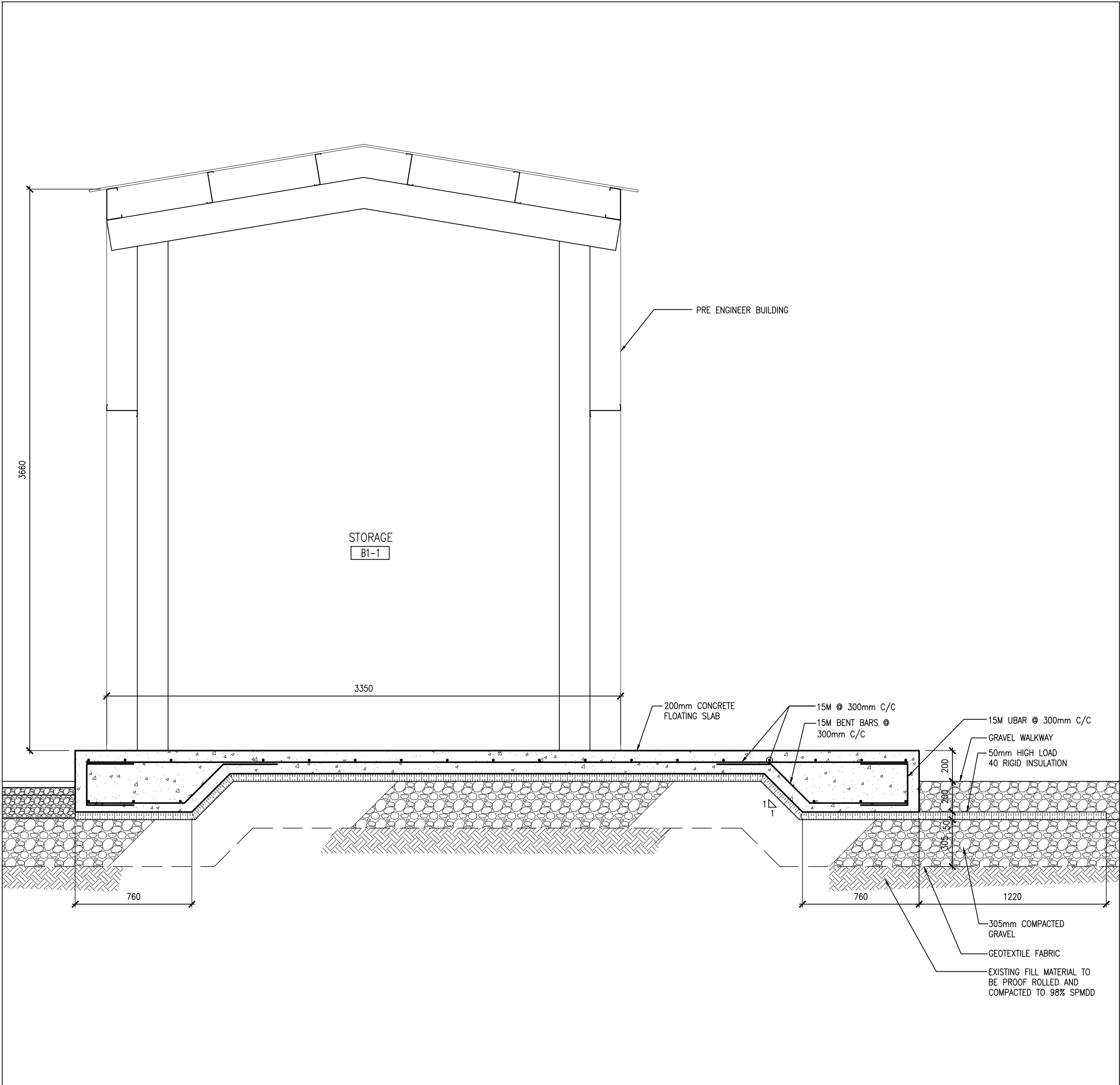
			
NO.	ISSUES	DATE	BY
1	FOR CITY OF KITCHENER CIRCULATION	JULY 25, 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

[illegible]

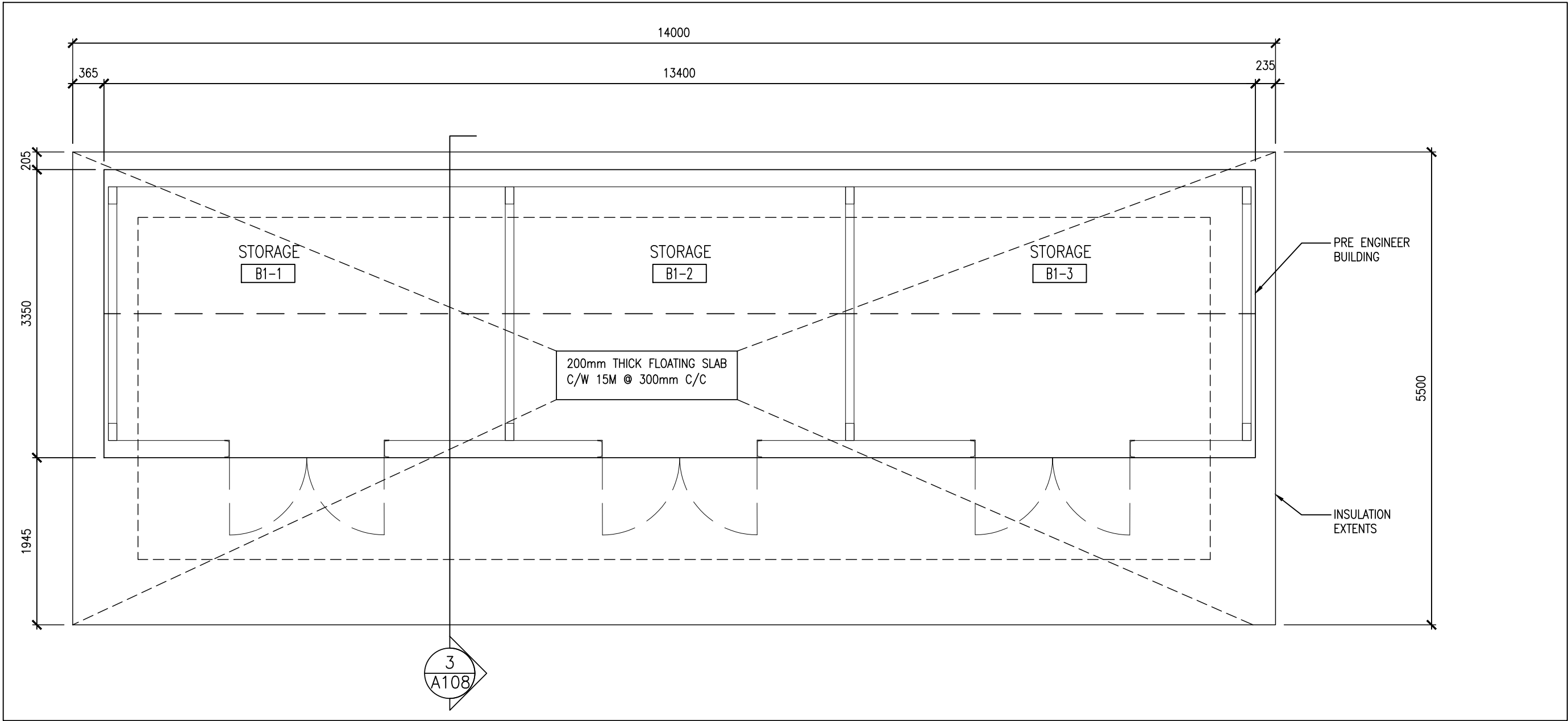
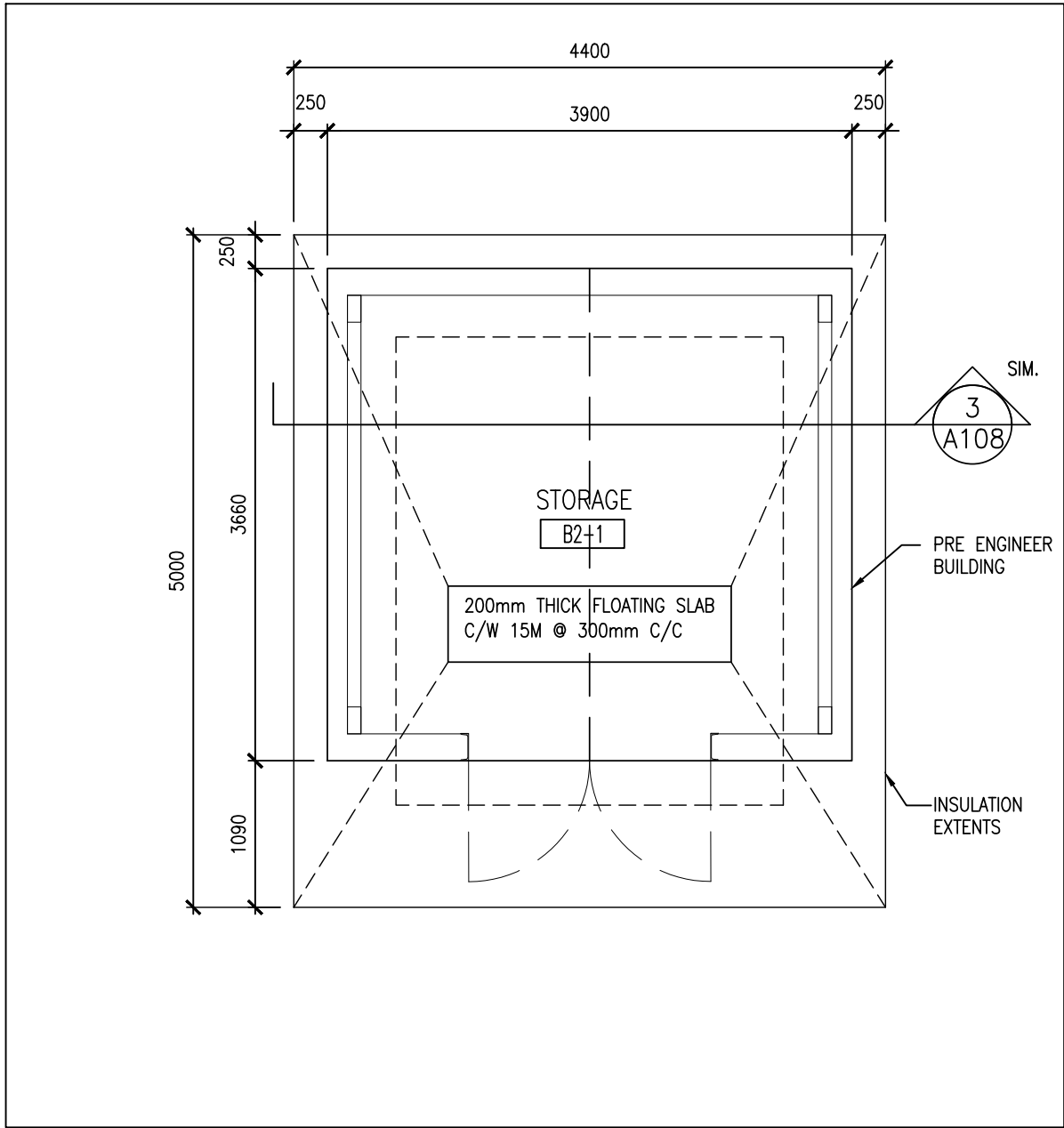
DRAWING:
SITE DETAILS



DESIGN BY: BBA	DOC CONTROL: DATE:
DRAWN BY: CM	% COMPLETE:
CHECKED BY:	INITIAL:
DATE: NOV. 2024	
SCALE: AS NOTED	
FILE: 24015 4106	



3 SECTION
A108 1:20



DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	FOR CITY OF KITCHENER CIRCULATION	JULY 25, 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16, 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY

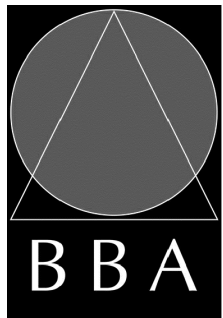
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

SITE DETAILS



**BARRY BRYAN
ASSOCIATES**
Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5250
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: CM	% COMPLETE:
CHECKED BY:	INITIAL:

DATE:
NOV. 2024

SCALE:
AS NOTED

FILE:
24015 A106

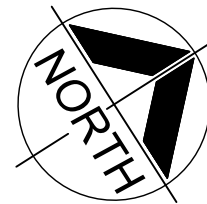
PROJECT NO:

24015

DRAWING NO:

A108

PROJECT NO: 24015	DRAWING NO: A201
-----------------------------	----------------------------



EXIST. HVAC TO BE REMOVED AND REPLACED WITH NEW IN NEW LOCATION

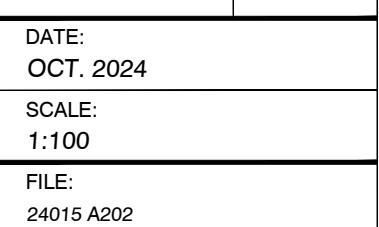
INFILL EXIST. PENETRATION WITH NEW ROOF ASSEMBLY



The diagram shows a 2D hexagonal lattice. A central hexagon is highlighted in light gray. The lattice is bounded by a thick black line on the right side. The top and bottom edges are open. The lattice is labeled with 'a' for the lattice constant and 'b' for the bond length.

NO.	REVISIONS	DATE	BY

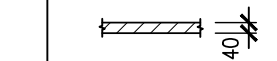
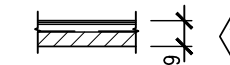

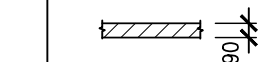

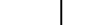




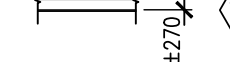
















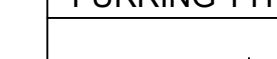








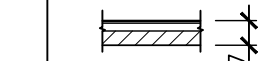




DRAWING:
ROOF DEMOLITION
PLAN



PROJECT NO: 24015	DRAWING NO: A202
-----------------------------	----------------------------

24015 A203	
PROJECT NO: 24015	DRAWING NO: A203



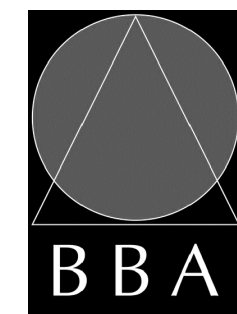
PARTITION & FURRING NOTES		PARTITION TYPES SCHEDULE		WALL TYPES SCHEDULE		FLOOR PLAN NOTATION LEGEND	
1.	A "T" DESIGNATION (ie. "P6T") INDICATES LOW PARTITION (+1500mm HIGH).		(P1) 140mm CONCRETE BLOCK TO U/S OF STRUCTURE		(W5) PREFINISHED METAL SIDING 22mm PREFINISHED HORIZONTAL METAL SIDING 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		CORRIDOR
2.	ALL RAIN WATER LEADERS (RWL), PLUMBING RISERS AND PIPES SHALL BE FURRED IN WITH "T" FURRING TYPE 200mm ABOVE THE FINISHED CEILING UNLESS OTHERWISE INDICATED.		(P2) 190mm CONCRETE BLOCK TO U/S OF STRUCTURE		(W6) MASONRY VENEER WALL 90mm BRICK VENEER 25mm AIR SPACE CONT. SELF ADHERED AIR/VAPOUR BARRIER 16mm EXTERIOR SHEATHING 38x140 WOOD STUDS @ 400 O.C. 140mm BATT INSULATION BETWEEN CONT. VAPOUR BARRIER 16mm GYPSUM BOARD (THICKNESS TO MATCH EXISTING)		EXTERIOR WALL TYPE
3.	UNLESS OTHERWISE NOTED, ALL PARTITIONS TERMINATE AT UNDERSIDE OF METAL ROOF DECK ABOVE.		(P3) 16mm GYPSUM BOARD 92mm STEEL STUDS @ 400mm O.C. 90mm SOUND ATTENUATION BATTS BETWEEN 16mm GYPSUM BOARD		(W7) PREFINISHED METAL SIDING 22mm PREFINISHED HORIZONTAL METAL SIDING 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER EX. BLOCK WALL		EXTERIOR WALL TYPE
4.	PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL WET AREAS. WET AREAS ARE DEFINED AS WASHROOMS, KITCHEN, LAUNDRY ROOM, OUTDOOR STORAGE ROOM AND JANITOR ROOM.		(P4) 150mm ABOVE FINISHED CEILING		(W8) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		EXTERIOR GLAZING NUMBER
5.	ALL GYPSUM BOARD BULKHEADS AND PARTITIONS ABOVE WALL OPENINGS OR SCREENS TO BE BRACED AS REQUIRED.		(P5) 16mm GYPSUM BOARD 22mm RESILIENT CHANNELS 92mm STEEL STUDS @ 400 O.C. 130mm SOUND ATTENUATION BATTS BETWEEN 22mm RESILIENT CHANNELS 16mm GYPSUM BOARD		(W9) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		INTERIOR GLAZED SCREEN NUMBER
6.	PROVIDE FIRE STOPPING / SMOKE SEAL AT TOPS OF ALL RATED PARTITIONS/ FURRING TYPES AT UNDERSIDE OF ROOF DECK c/w INFILL OF FLUTES.		(P6) 150mm ABOVE FINISHED CEILING		(W10) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		DOOR NUMBER
7.	ALL PENETRATIONS THROUGH RATED PARTITIONS / FIREWALL (EXIST. OR NEW) ARE TO BE FIRESTOPPED WITH LISTED FIRESTOPPING SYSTEM.		(P7) 13mm GYPSUM BOARD 22mm PREFINISHED HORIZONTAL METAL SIDING 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		(W11) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		BARRIER FREE DOOR OPERATOR PUSH BUTTON
8.	ALL DOORS TO BE OFFSET FROM WALL 150mm ON HINGED SIDE U.N.O.		(P8) 16mm GYPSUM BOARD		(W12) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		PUSH TO LOCK PUSH BUTTON
9.	PROVIDE BLOCKING / REINFORCEMENT FOR THE INSTALLATION / ATTACHMENT OF ALL MILLWORK, CABINETRY, WASHROOM ACCESSORIES, RAILINGS AND/OR FIXTURES & EQUIPMENT AS REQUIRED.		(P9) 13mm GYPSUM BOARD 22mm PREFINISHED HORIZONTAL METAL SIDING 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		(W13) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		EMERGENCY ASSISTANCE CALL BUTTON
10.	PROVIDE FIRE STOPPING/ SMOKE SEAL AT TOPS OF ALL RATED PARTITIONS/ FURRING TYPES AT UNDERSIDE OF ROOF DECK c/w INFILL OF FLUTES.		(P10) 16mm GYPSUM BOARD 64mm STEEL STUDS @ 400mm O.C. 60mm SOUND ATTENUATION BATTS BETWEEN		(W14) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		CARD READER
11.	PROVIDE WOOD BLOCKING IN EXISTING WALL TO SUPPORT ADULT CHANGE TABLE.		(P11) 16mm GYPSUM BOARD 127mm Z-BARS		(W15) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		DOOR WITH DOOR OPERATOR
			(F1) 16mm GYPSUM BOARD 64mm STEEL STUDS @ 400mm O.C. 60mm SOUND ATTENUATION BATTS BETWEEN		(W16) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		MILLWORK NUMBER
			(F2) PHENOLIC INTERIOR WALL CLADDING PHENOLIC PANEL c/w CLIPS 127mm Z-BARS		(W17) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		ROLLER SHADE
			(F3) 16mm GYPSUM BOARD GLUED ONTO EXISTING BLOCK WALL		(W18) PHENOLIC WALL CLADDING PHENOLIC PANEL c/w CLIPS 25mm Z-BARS 102mm THERMAL CLIPS 100mm RIGID INSULATION (R-19 MIN.) CONT. SELF ADHERED AIR/VAPOUR BARRIER 190mm CONCRETE BLOCK		

[illegible]

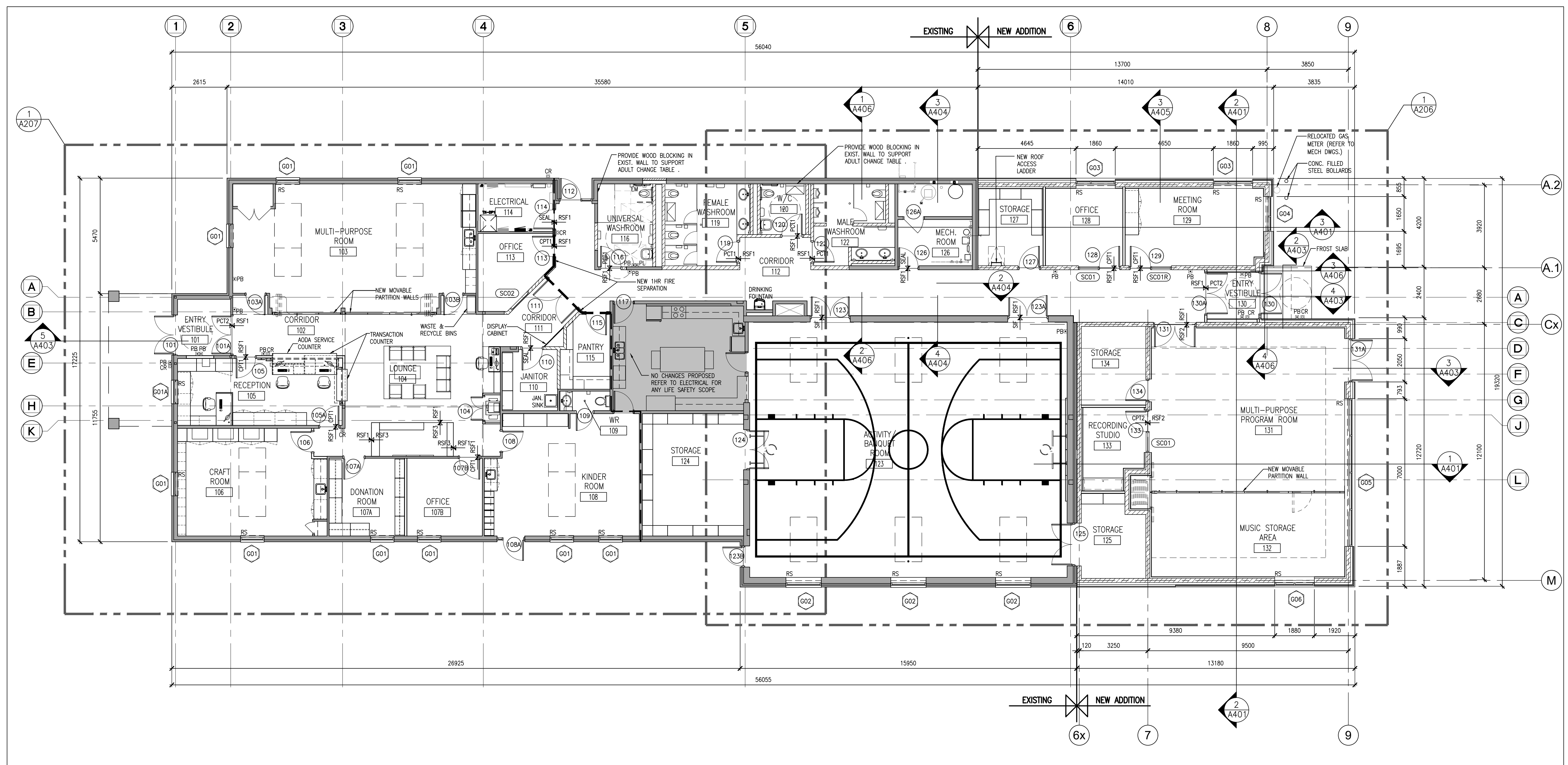
NO.	REVISIONS	DATE	BY

PROJECT:

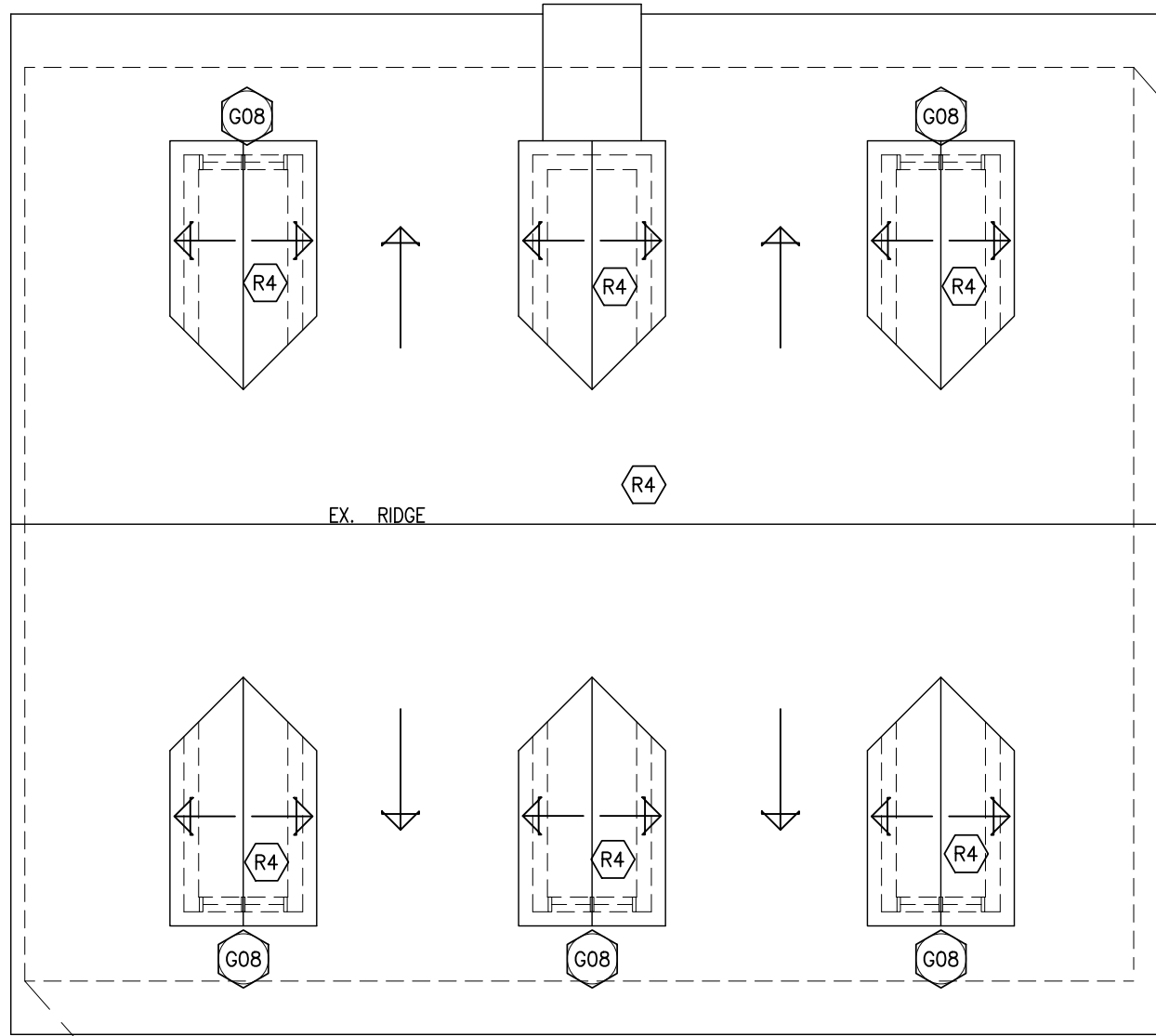
216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER



PROJECT NO: 24015	DRAWING NO: A204
-----------------------------	----------------------------



1 OVERALL FIRST FLOOR PLAN
A203 1:100



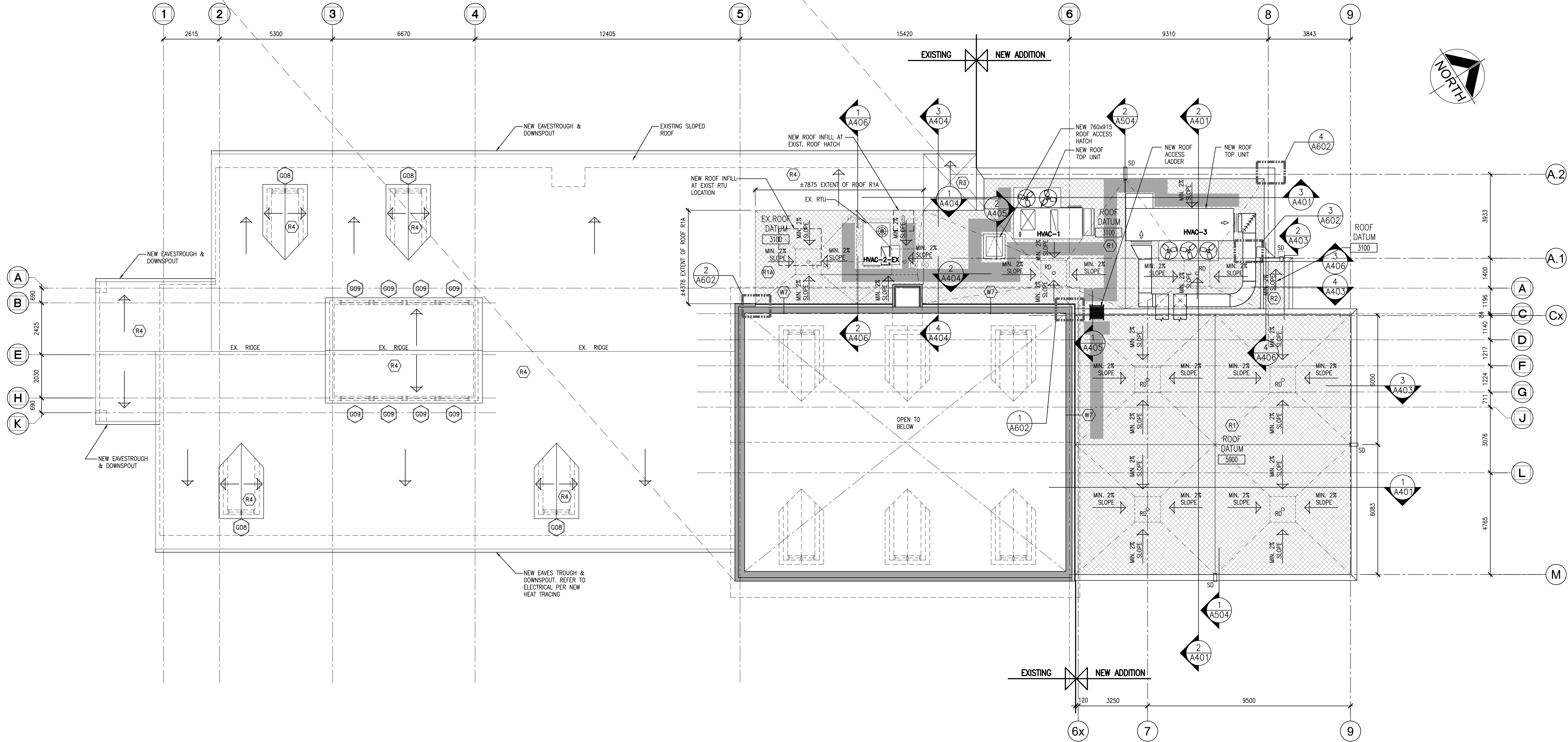
GYM HIGH ROOF PLAN
1:100

ROOF TYPES SCHEDULE

- R1** MAIN ROOF - MODIFIED BITUMINOUS ROOFING
2 PLY ROOFING SYSTEM
PROTECTION BOARD
76mm ROCK WOOL BOARD RIGID INSULATION (R-12)
TAPERED INSULATION (WHERE INDICATED ON PLAN)
102mm POLY ISO RIGID INSULATION (R-24)
(TOTAL - MIN. R-35)
ROOF VAPOUR RETARDER
SUBSTRATE BOARD
STEEL ROOF DECK (REFER TO STRUCTURAL)
STEEL ROOF STRUCTURE (REFER TO STRUCTURAL)
- R1A** MODIFIED BITUMINOUS ROOFING
2 PLY ROOFING SYSTEM
PROTECTION BOARD
76mm ROCK WOOL BOARD RIGID INSULATION
TAPERED INSULATION (WHERE INDICATED ON PLAN)
ROOF VAPOUR RETARDER
EX. 75 CONCRETE SLAB
EX. 50 RIGID INSULATION
EX. 65 CONCRETE SLAB
EX. 38 STEEL ROOF DECK
EX. STEEL ROOF STRUCTURE
- R2** CANOPY ROOF - MODIFIED BITUMINOUS ROOFING
2 PLY ROOFING SYSTEM
TAPERED INSULATION (WHERE INDICATED ON PLAN)
SUBSTRATE BOARD
STEEL ROOF DECK (REFER TO STRUCTURAL)
STEEL ROOF STRUCTURE (REFER TO STRUCTURAL)

ROOF PLAN NOTATION LEGEND

- R1** ROOF TYPE (REFER TO ROOF TYPE SCHEDULE & SPECIFICATION)
- ROOF DATUM 5000
ROOF DATUM (UNDERSIDE OF STEEL ROOF DECK @ HIGH POINT)
- R.C.J. ROOF CONTROL JOINT
- INDICATE DIRECTION OF ROOF DRAINAGE (MIN. 2% SLOPE)
- INDICATES AREA OF ROOF WITH TAPERED INSULATION (MIN. 2% SLOPE)
- WALKWAY PADS
- RD ROOF DRAIN
- SD SCUPPER DRAIN



1 ROOF PLAN
A205 1:100

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

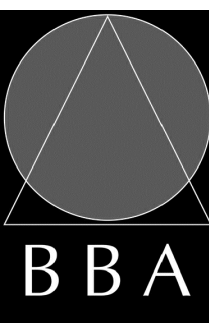


NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 18 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:
MILL COURTLAND COMMUNITY CENTRE ADDITION
216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
ROOF PLAN



BARRY BRYAN ASSOCIATES

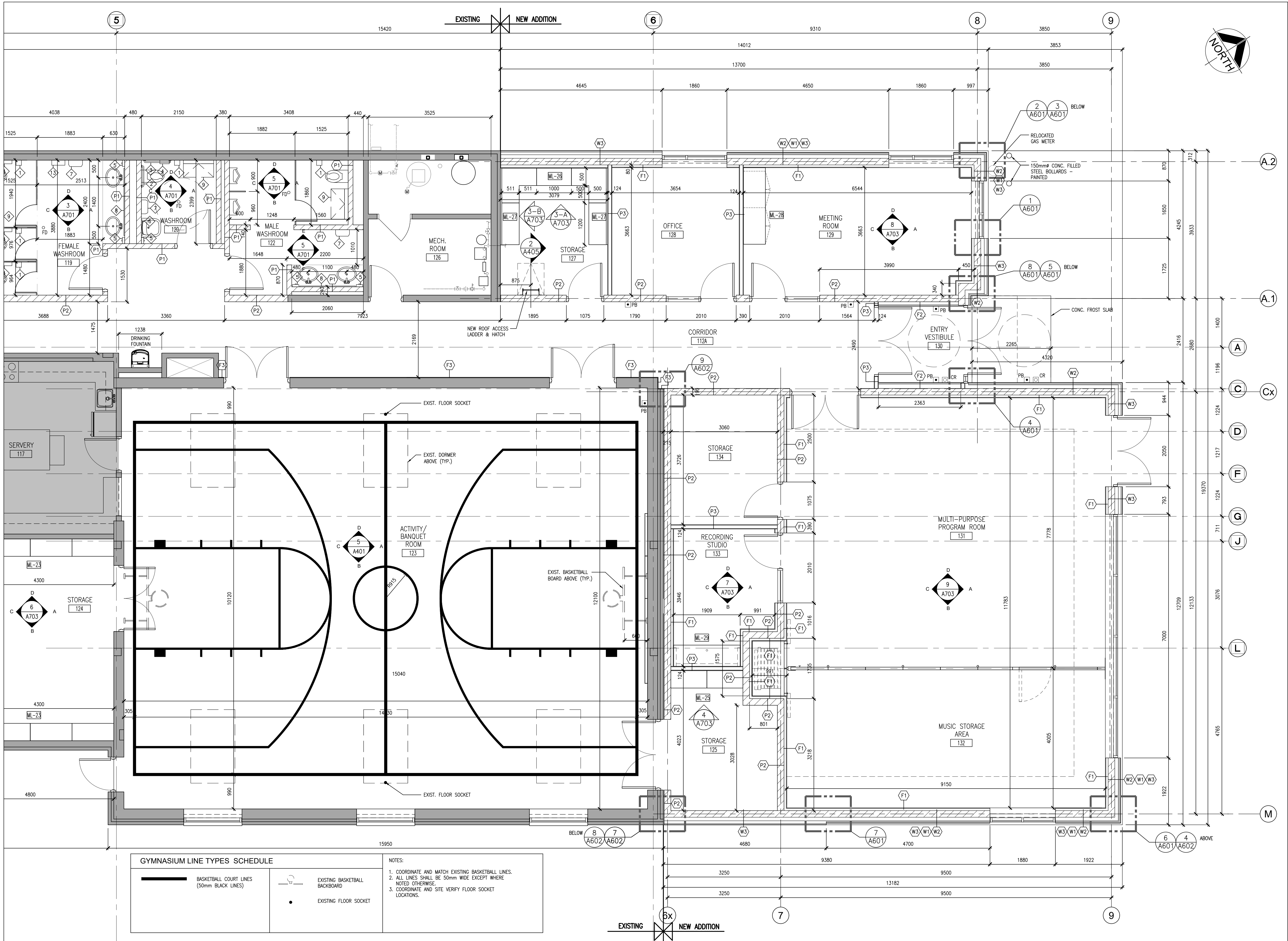
Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: CM/NV	% COMPLETE:
CHECKED BY:	INITIAL:

DATE: JUNE 2024
SCALE: AS NOTED
FILE: 24015 A205

PROJECT NO: 24015	DRAWING NO: A205
-----------------------------	----------------------------



DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE
COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED
UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE
WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND
SEALED BY THE CONSULTANT.



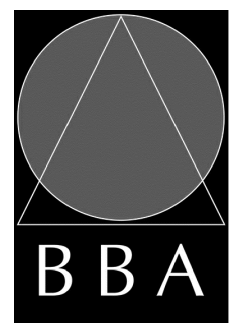
NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 18 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:
**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
**ENLARGED NEW FLOOR
PLAN ADDITION**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

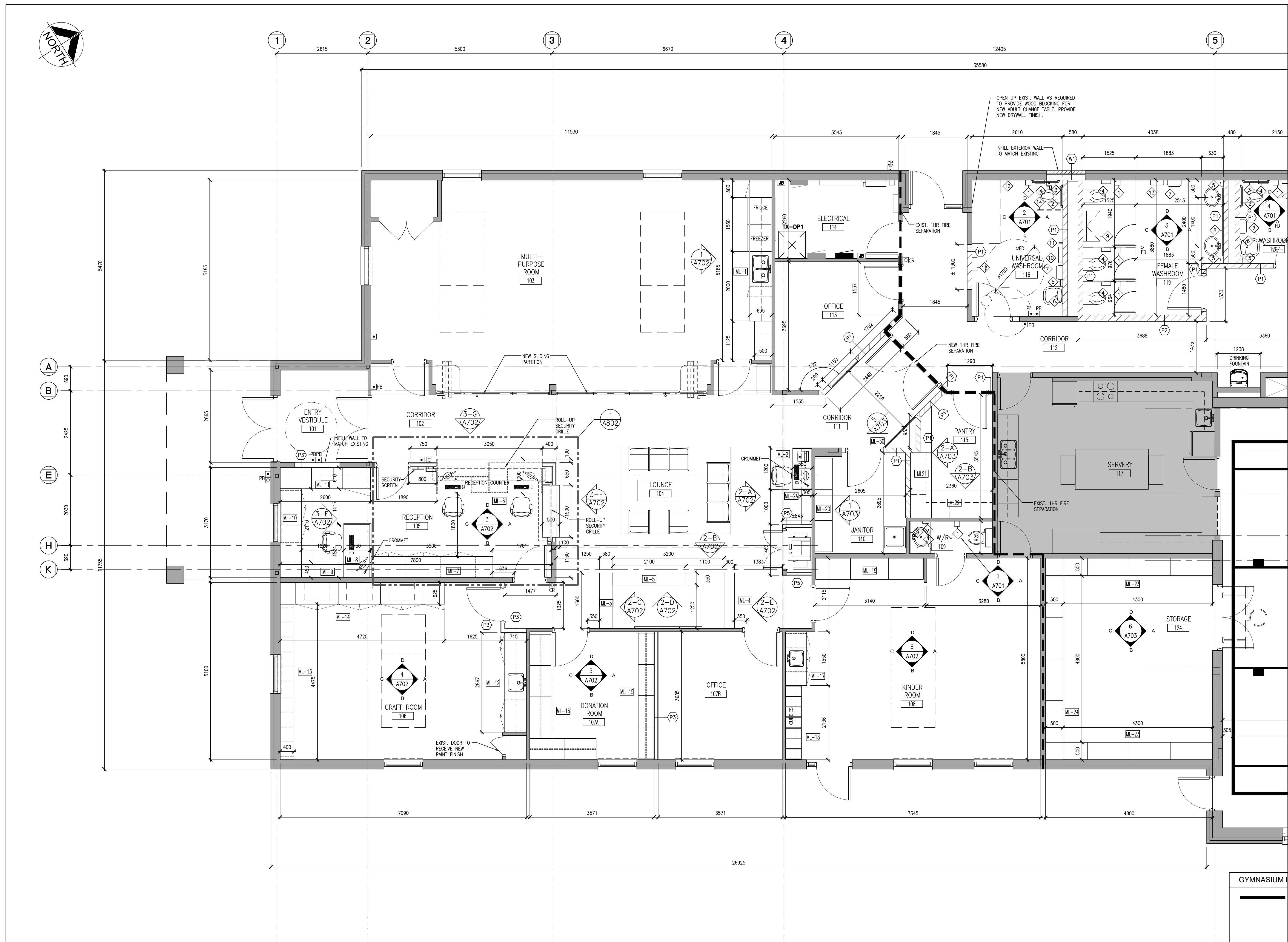
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: NV	% COMPLETE:
CHECKED BY:	INITIAL:


DATE: OCT. 2024
SCALE: 1:50
FILE: 240115 A206

PROJECT NO: 240115	DRAWING NO: A206
------------------------------	----------------------------



NO.	REVISIONS	DATE	BY
-----	-----------	------	----

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

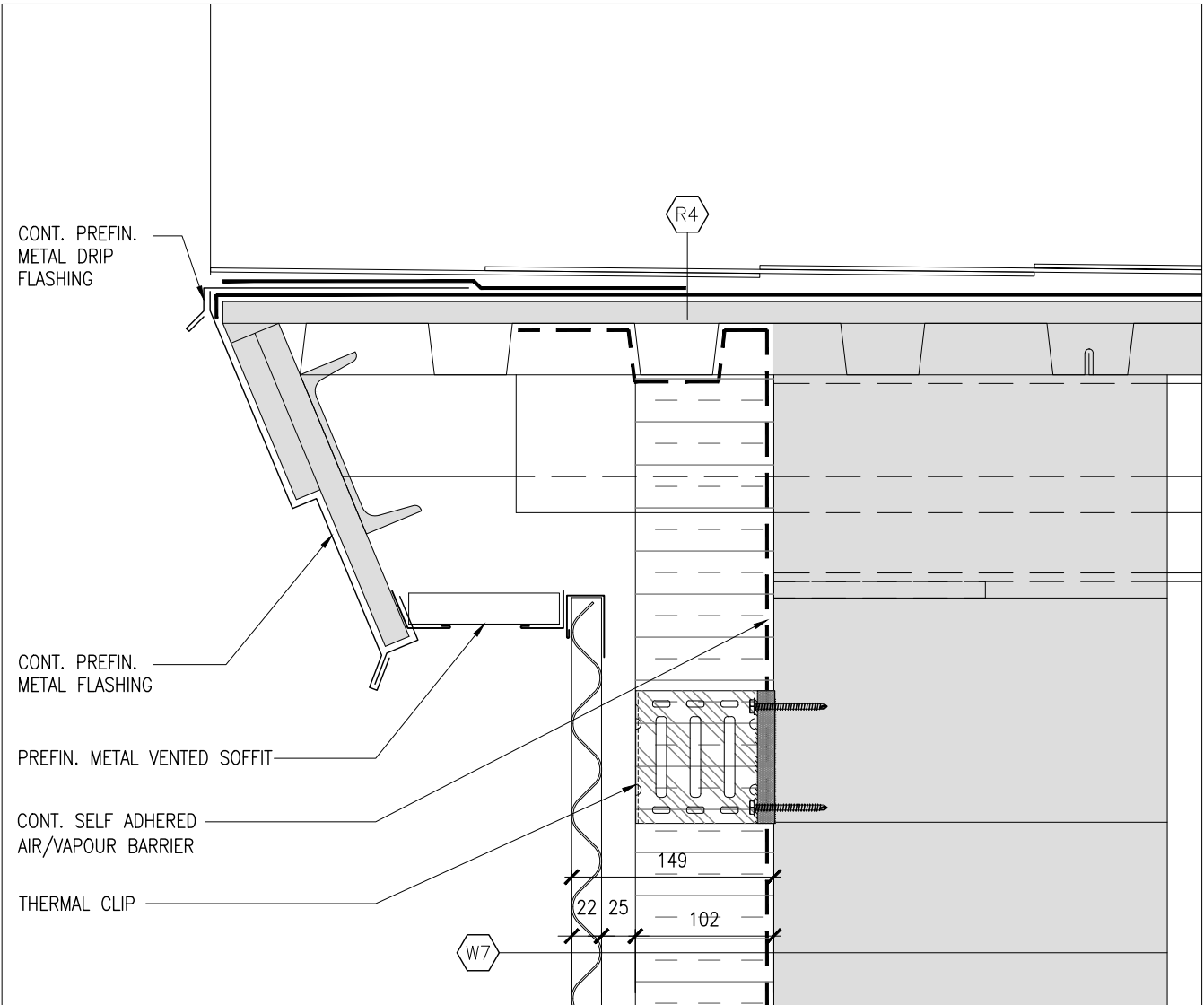


DATE:
OCT. 2024

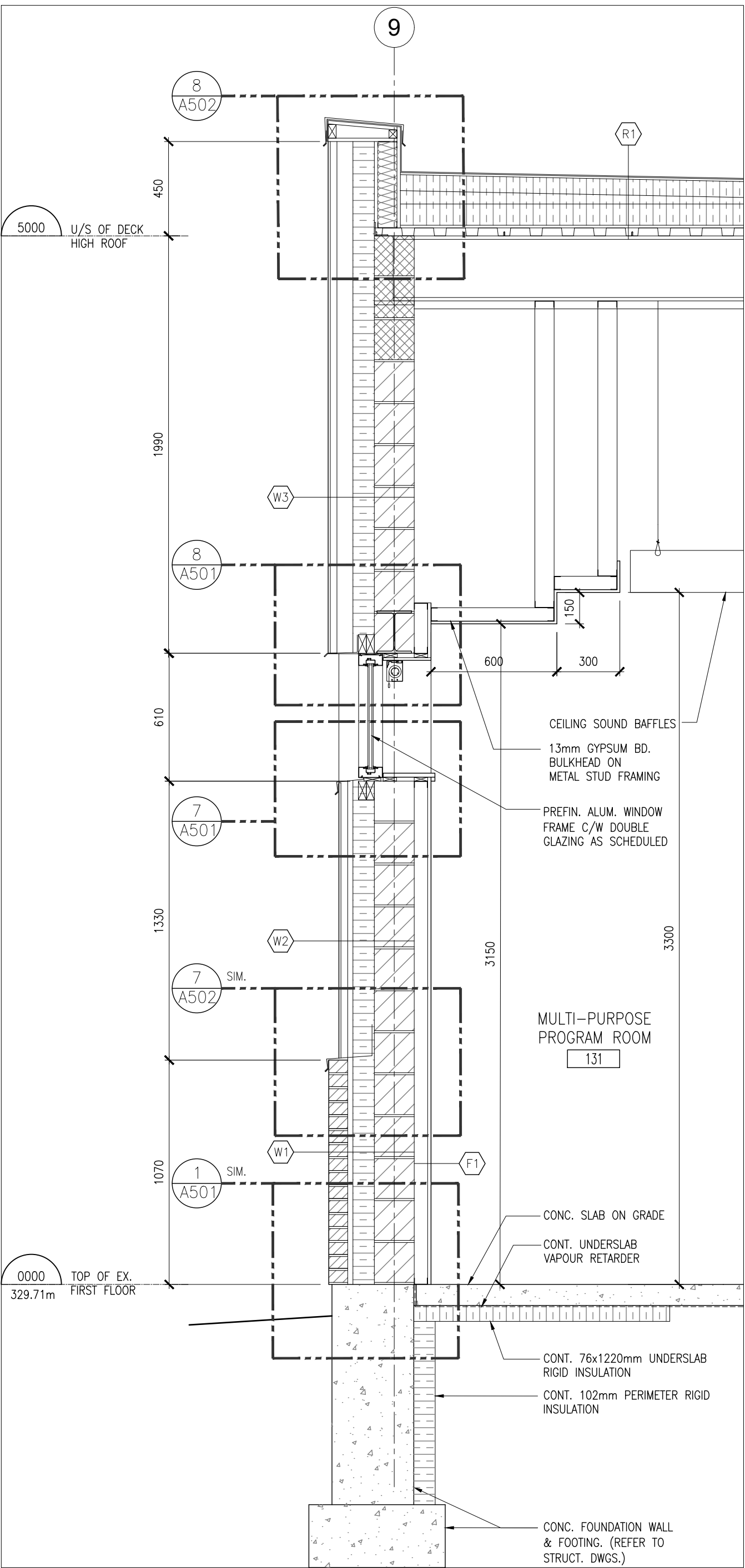
SCALE:
1:50

FILE:
24015 A207

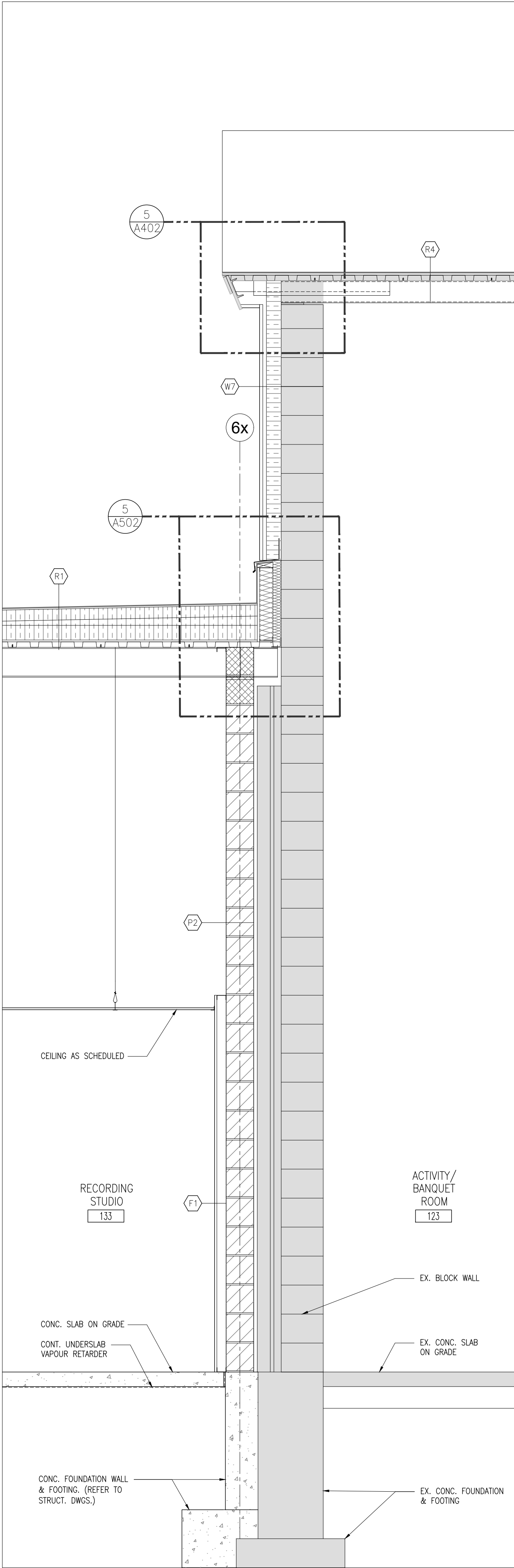
A207



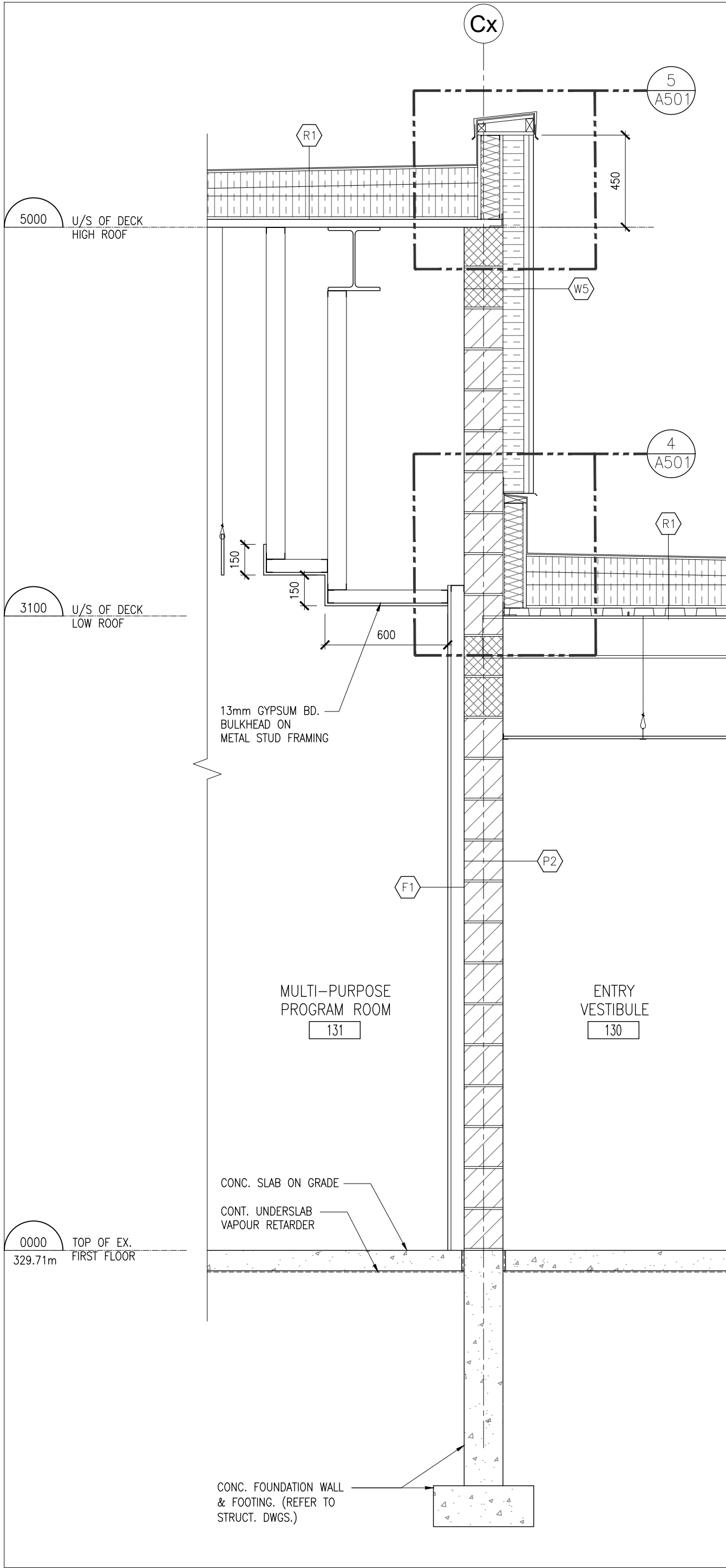
5 SECTION DETAIL
1:5



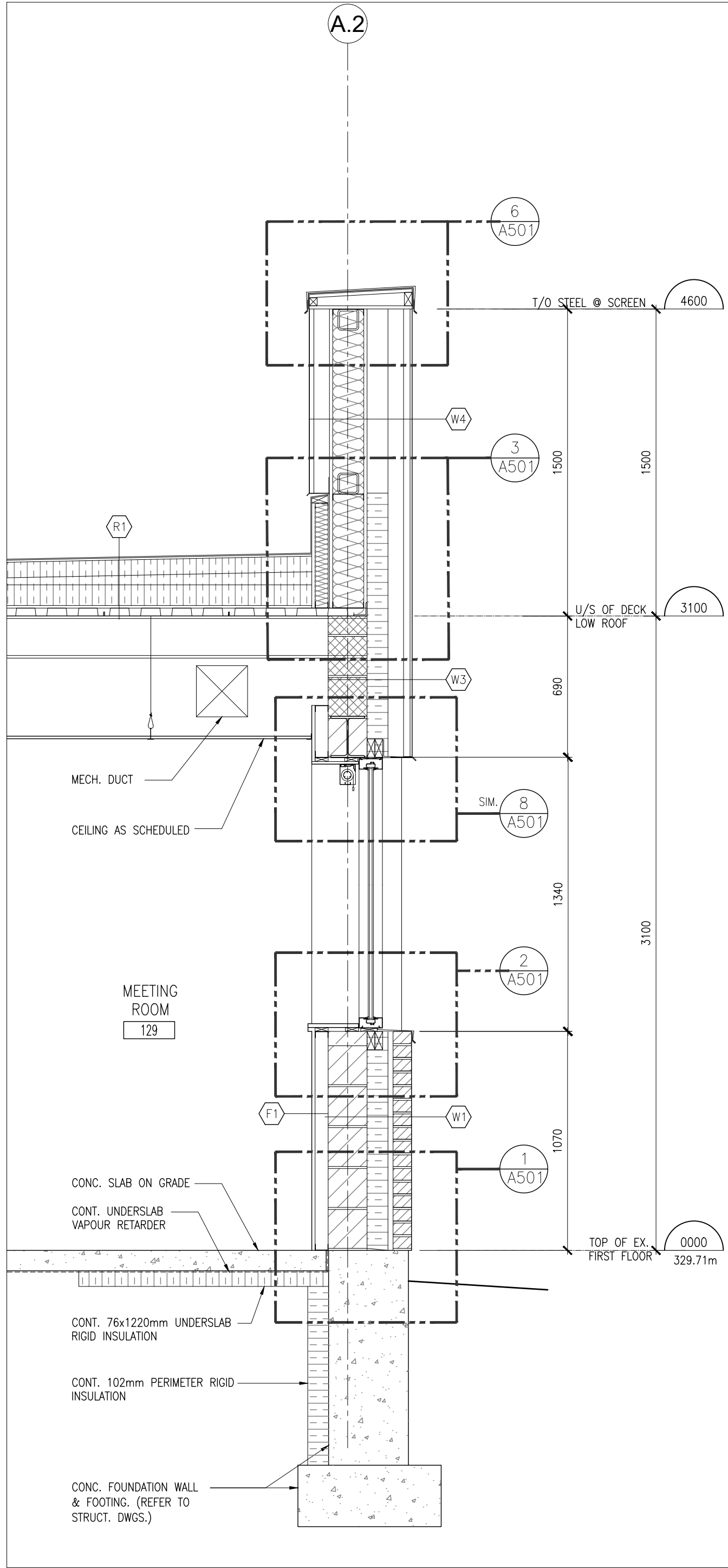
4 WALL SECTION
1:20



3 WALL SECTION
1:20



2 WALL SECTION
1:20



1 WALL SECTION
1:20

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

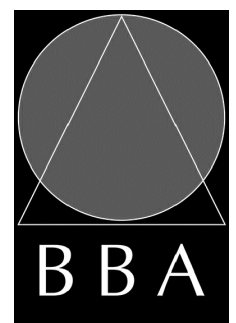


NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:
**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**
216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
WALL SECTIONS



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

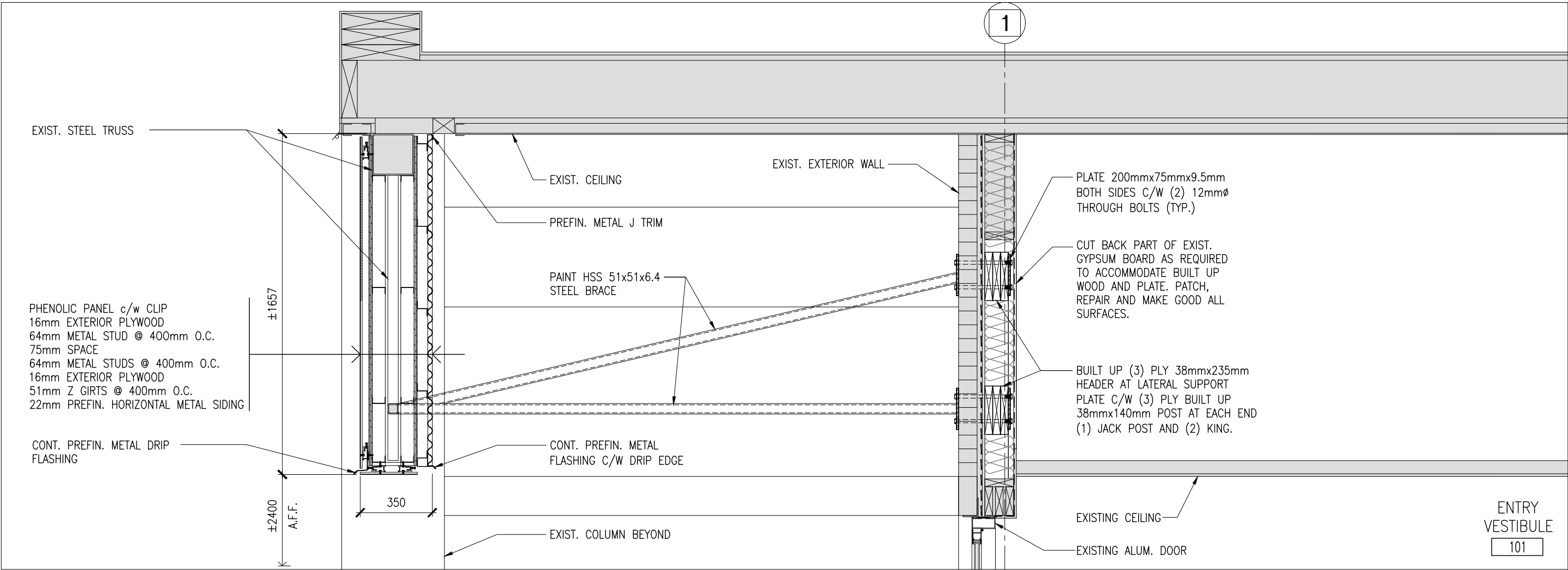
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

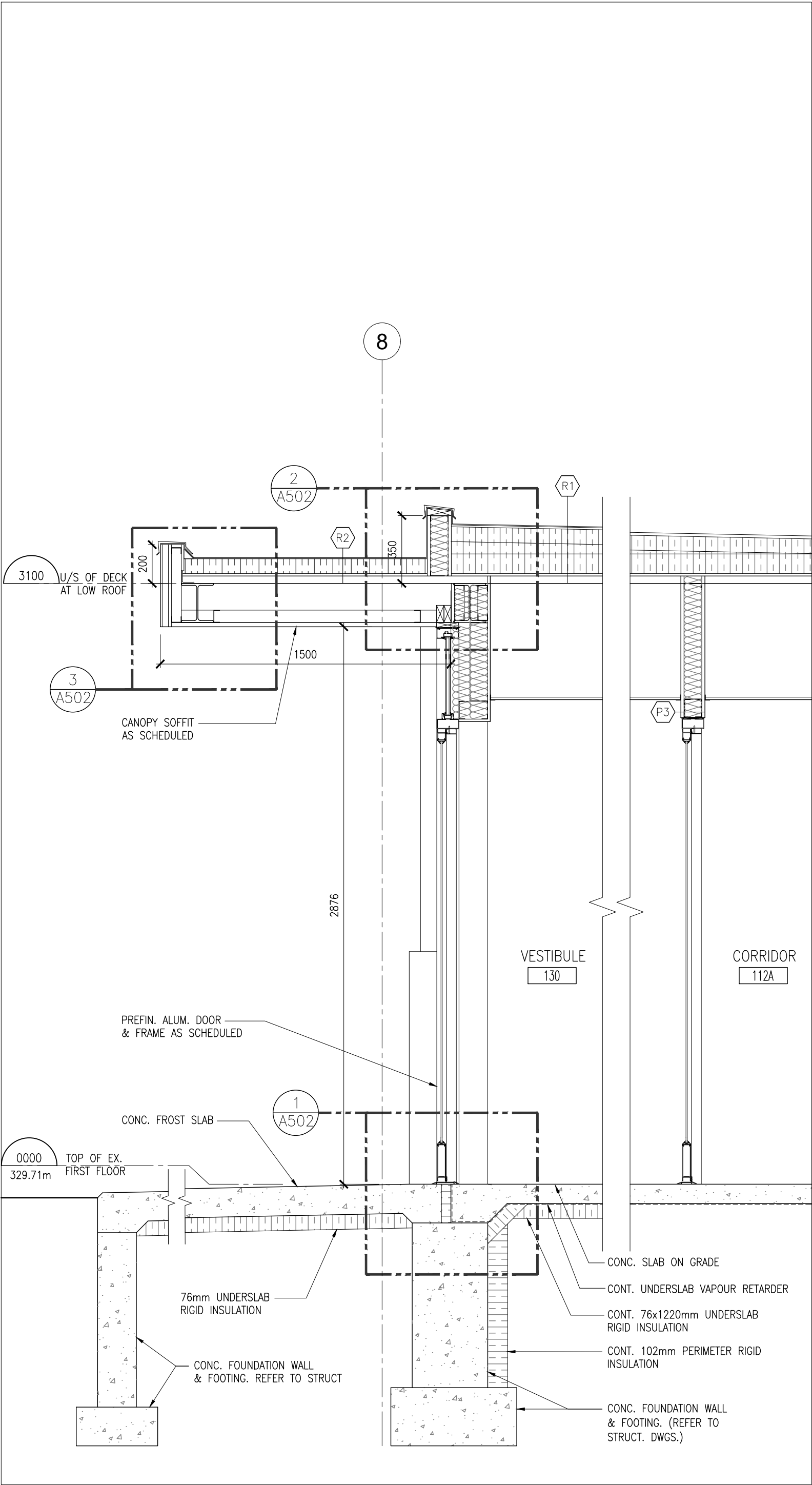
DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: NV	% COMPLETE:
CHECKED BY:	INITIAL:

DATE: OCT. 2024
SCALE: AS NOTED
FILE: 24015 A402

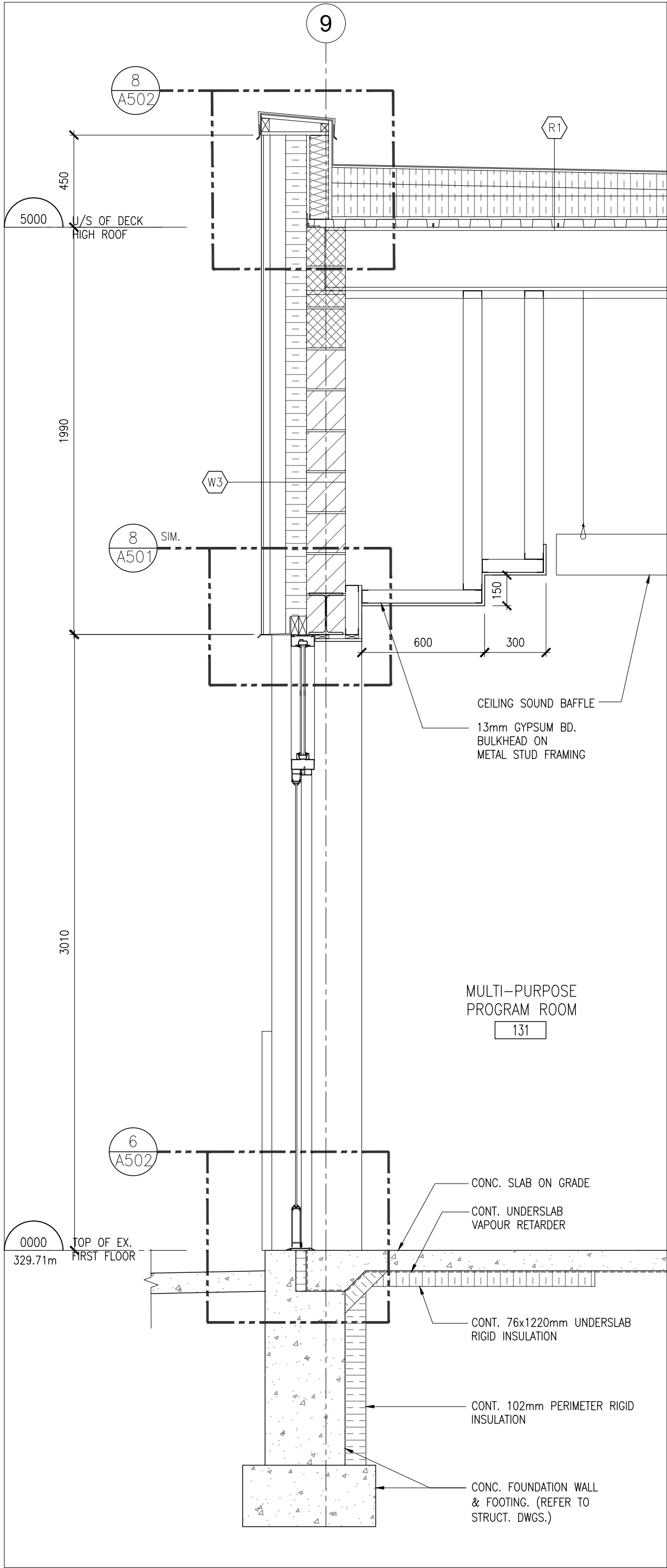
PROJECT NO: 24015	DRAWING NO: A402
-----------------------------	----------------------------



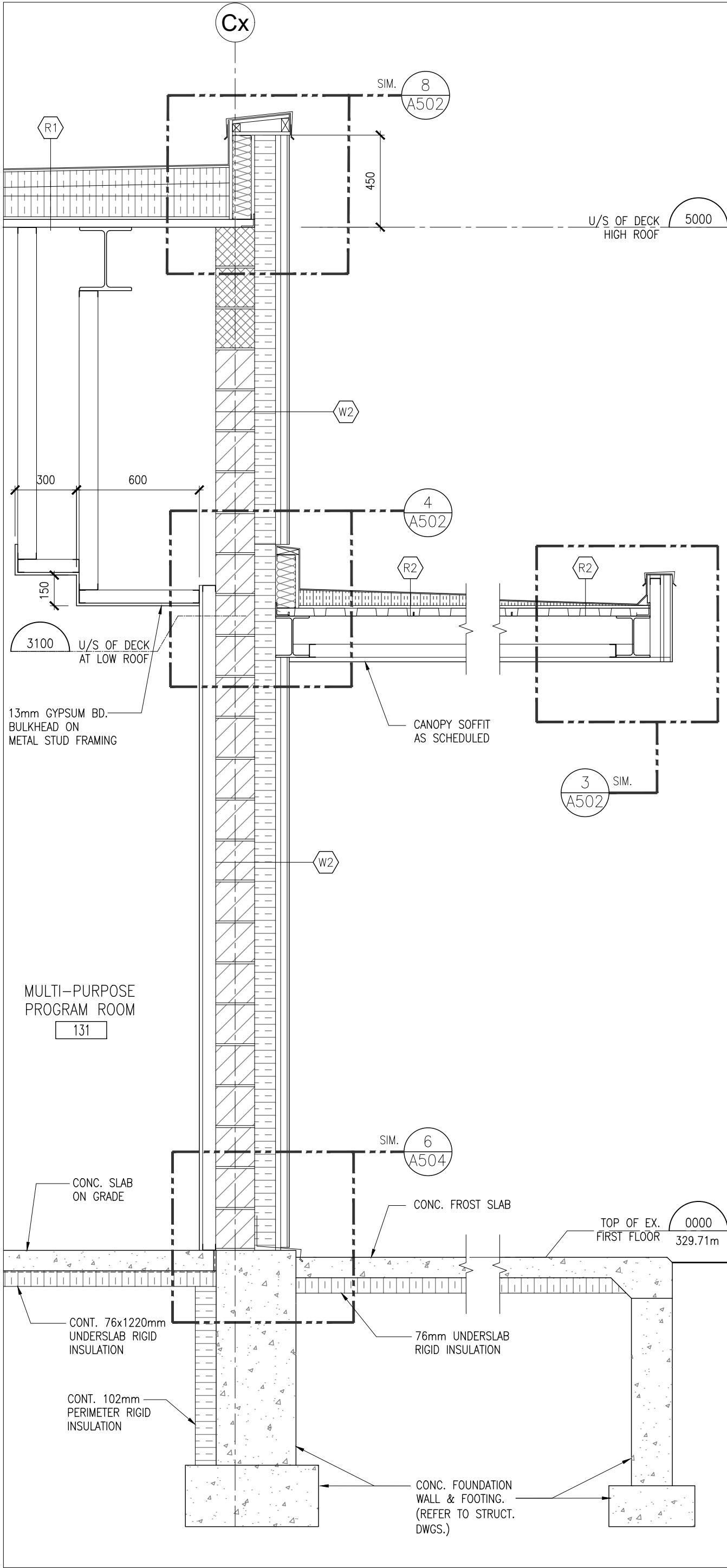
5 WALL SECTION
A403 1:20



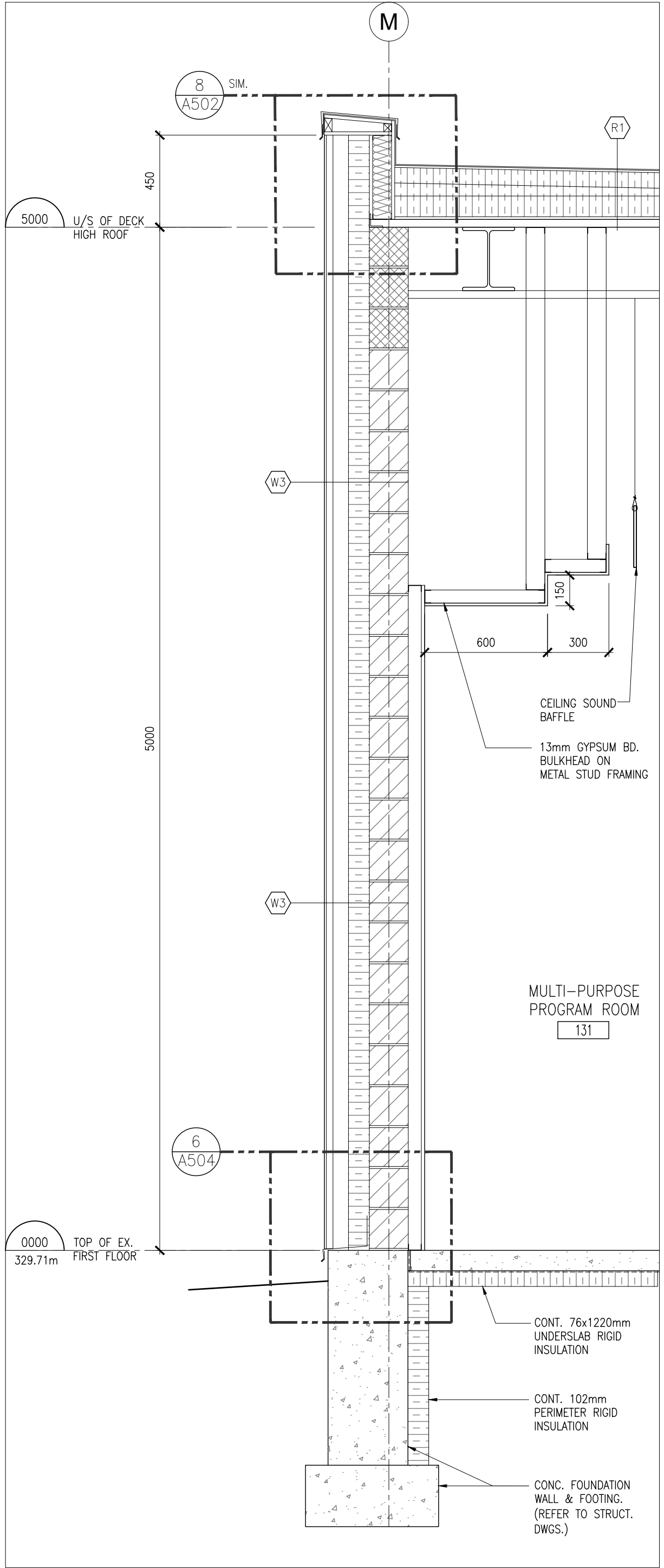
4 WALL SECTION
A403 1:20



3 WALL SECTION
A403 1:20



2 WALL SECTION
A403 1:20



1 WALL SECTION
A403 1:20

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

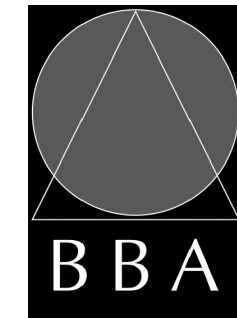


NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:
**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**
216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
WALL SECTIONS



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY:
BBA

DRAWN BY:
NV

CHECKED BY:

DATE:
OCT. 2024

SCALE:
AS NOTED

FILE:
24015 A403

PROJECT NO:

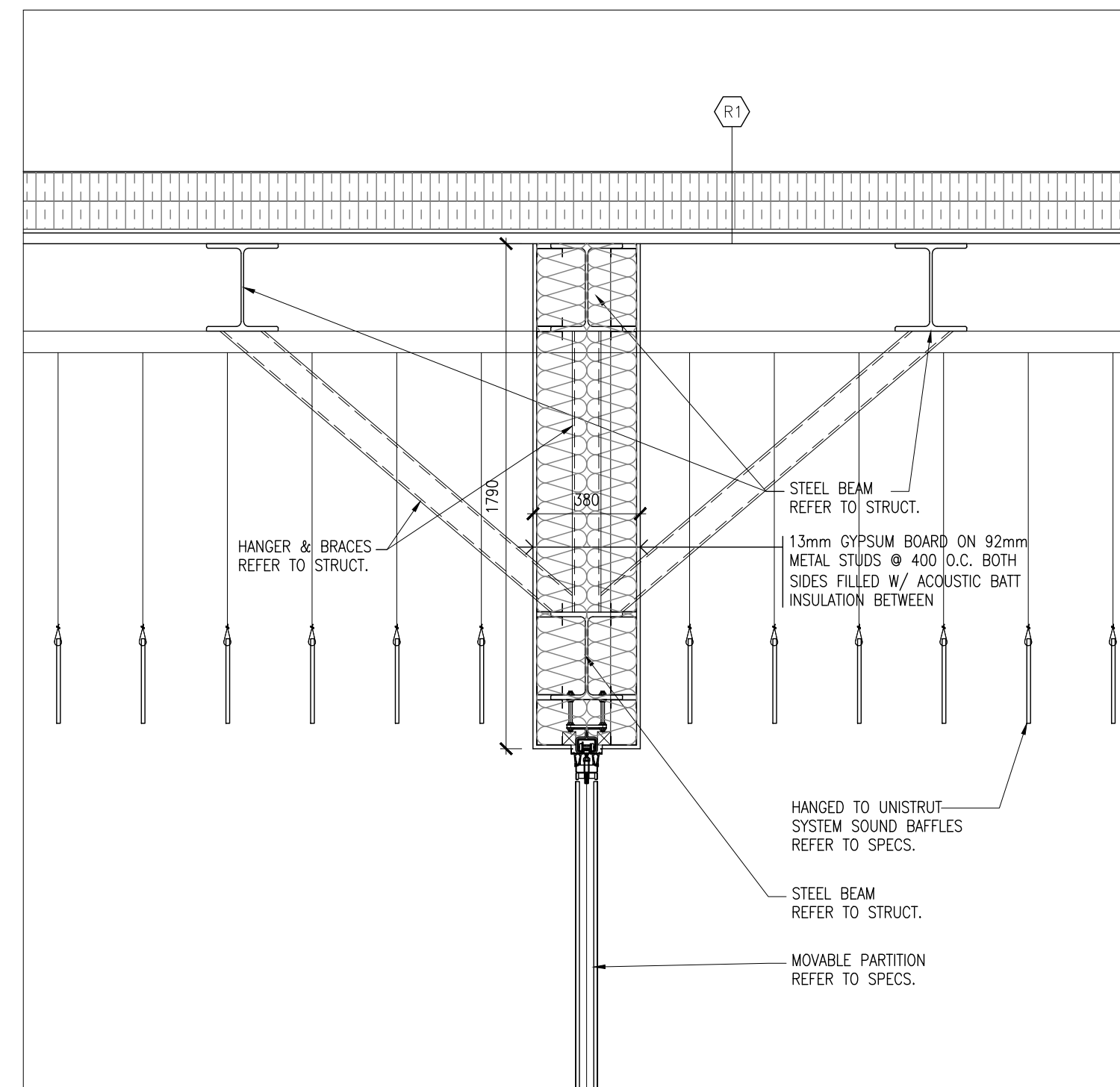
24015

DRAWING NO:

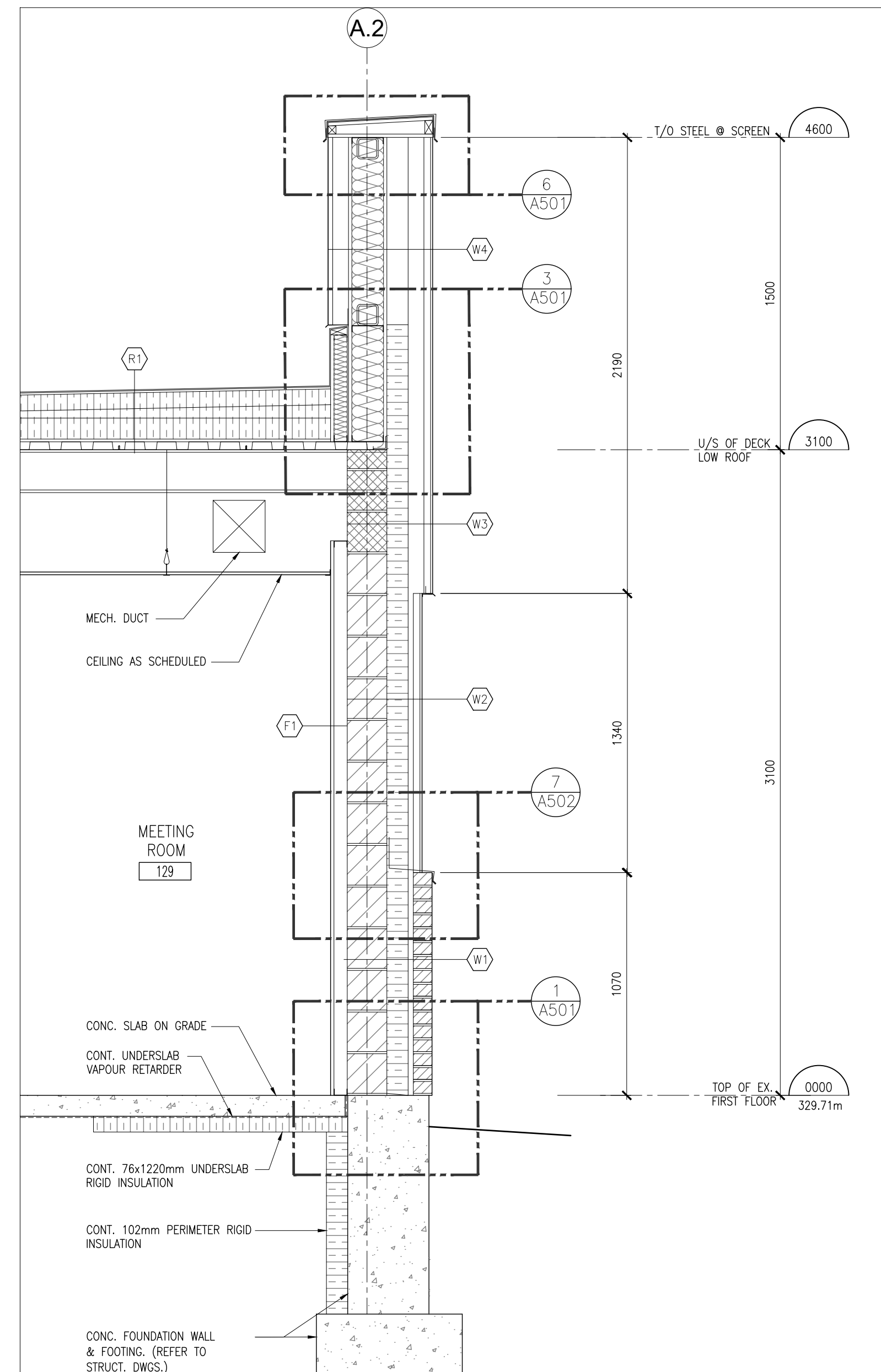
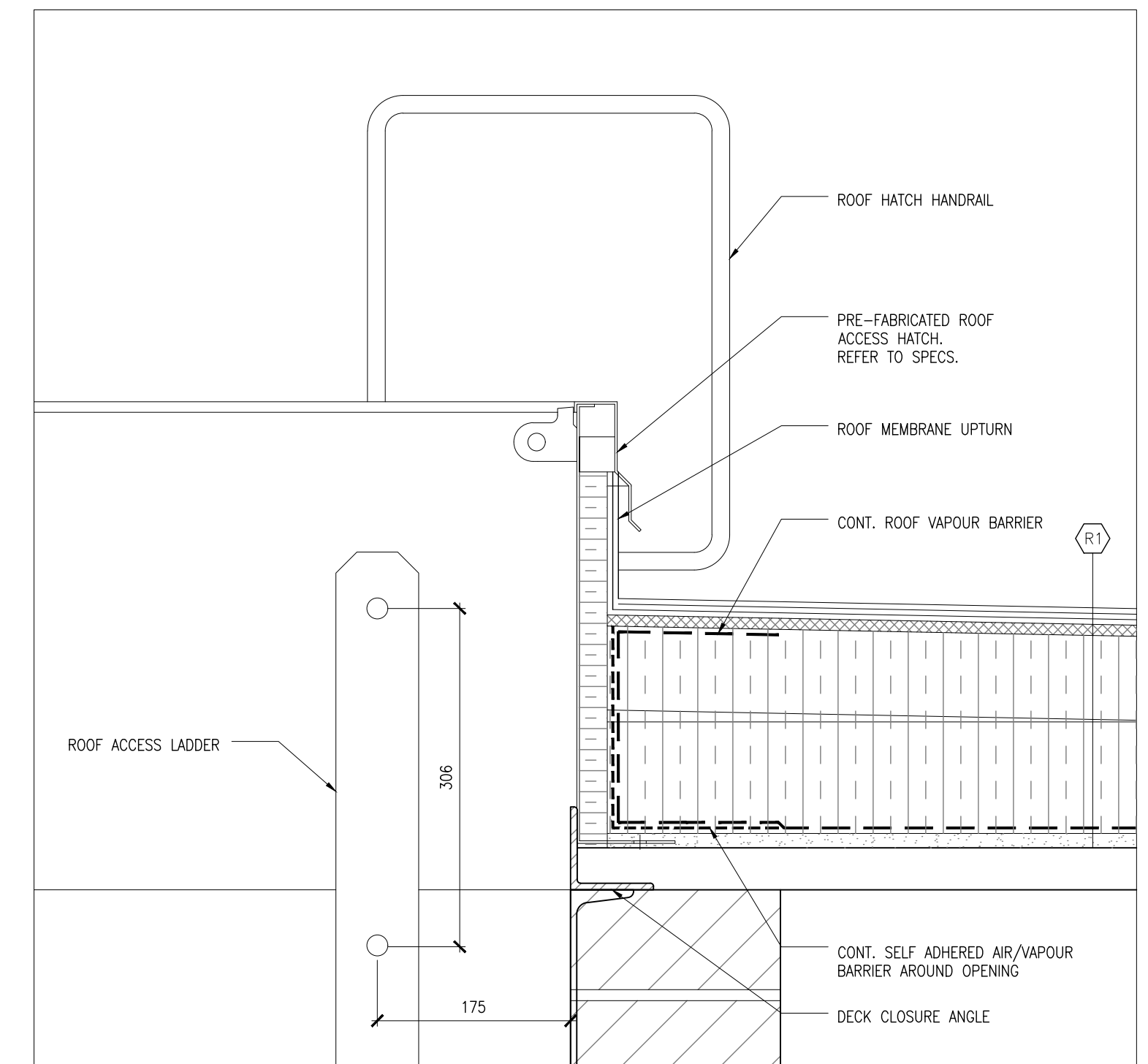
A403

5
A405

SECTION DETAIL
1:5

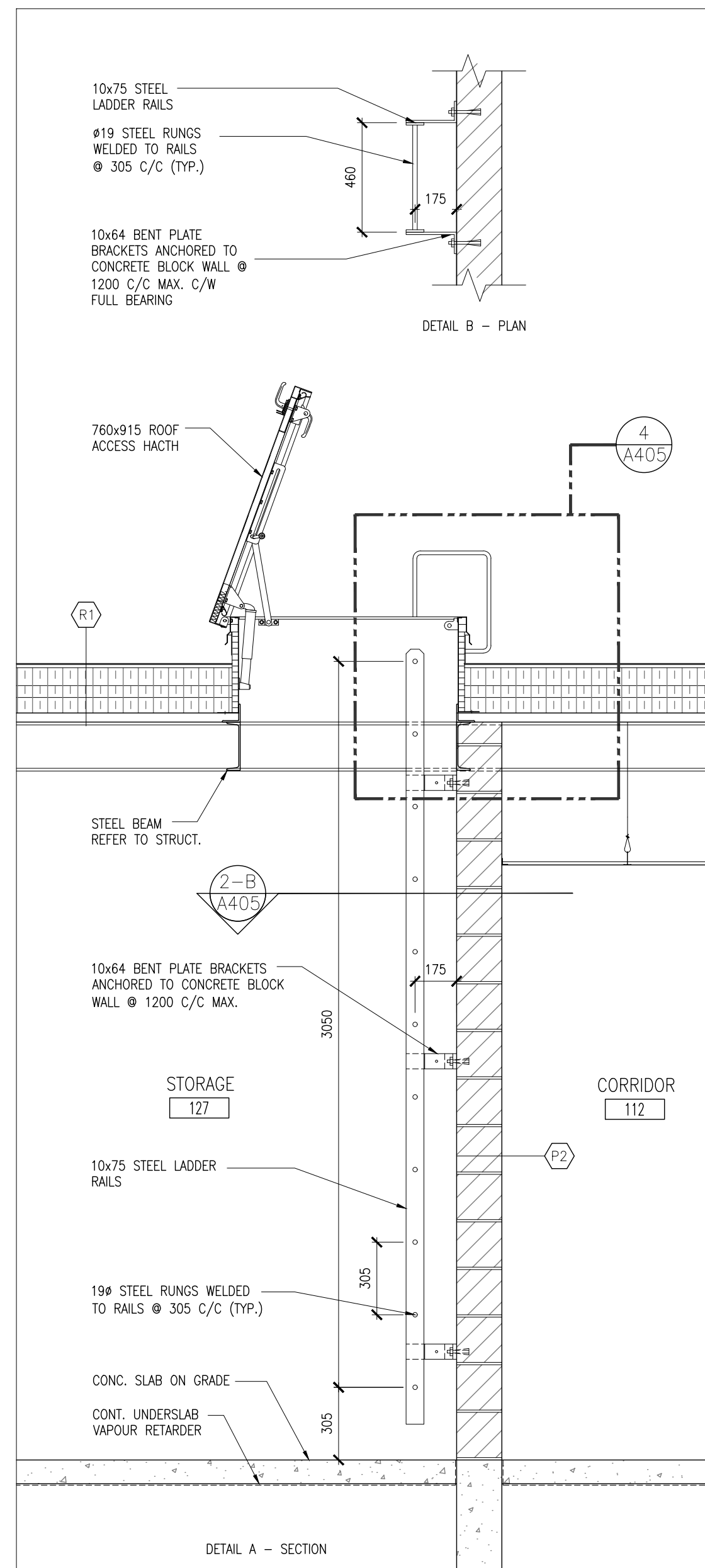


4 SECTION DETAIL
A405 1:5



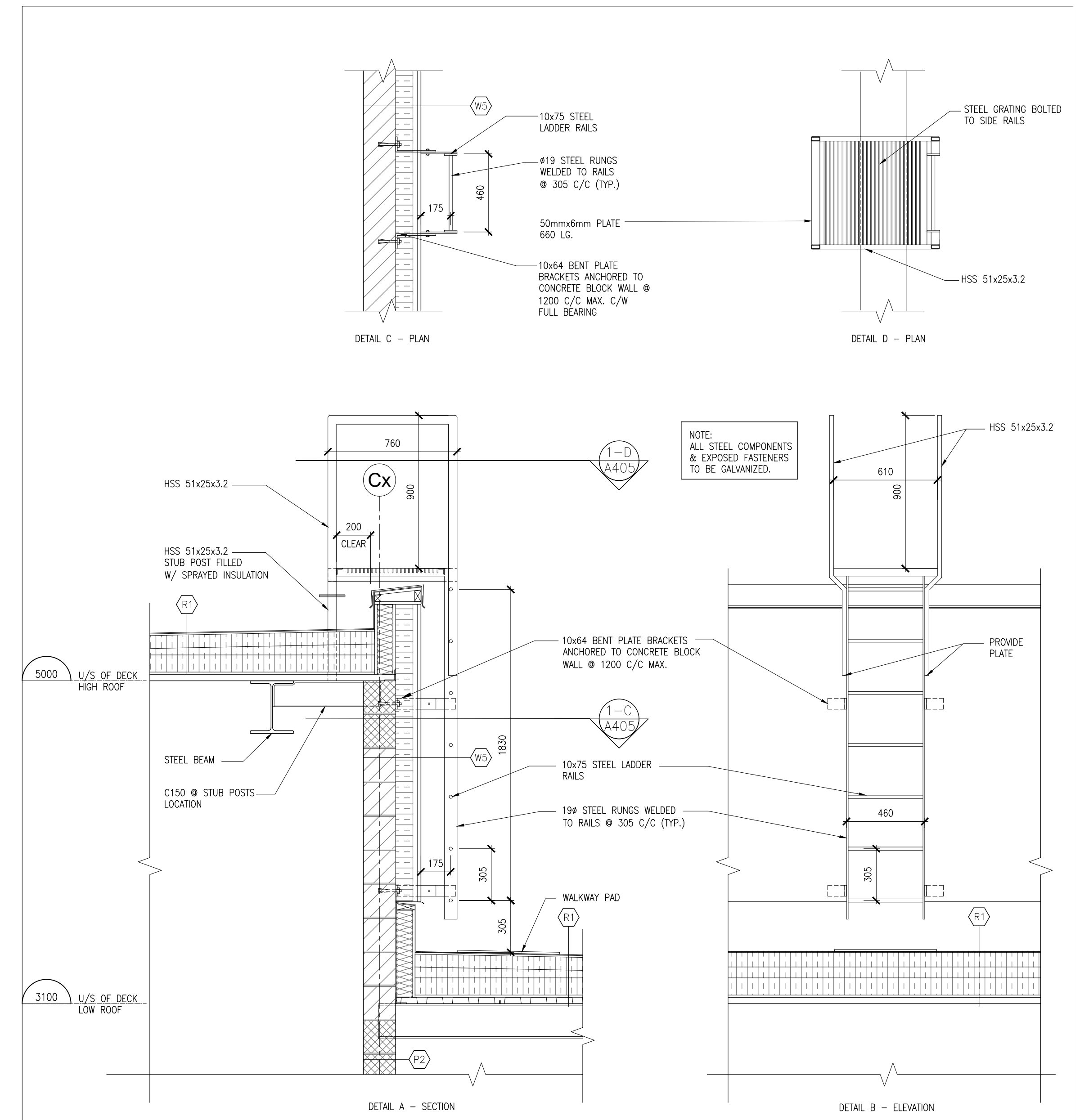
3
A405

WALL SECTION
1:20



2
A405

WALL SECTION
1:20



1 WALL SECTION
A405 1:20

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE
COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED
UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE
WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED
AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

[illegible]

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
WALL SECTIONS



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256

e-mail: bba@bba-archeng.com

DESIGN BY: BA	DOC. CONTROL: DATE:
------------------	------------------------

DRAWN BY:	% COMPLETE:
/	

CHECKED BY:	INITIAL:
-------------	----------

DATE: OCT. 2024

SCALE:
NOTED

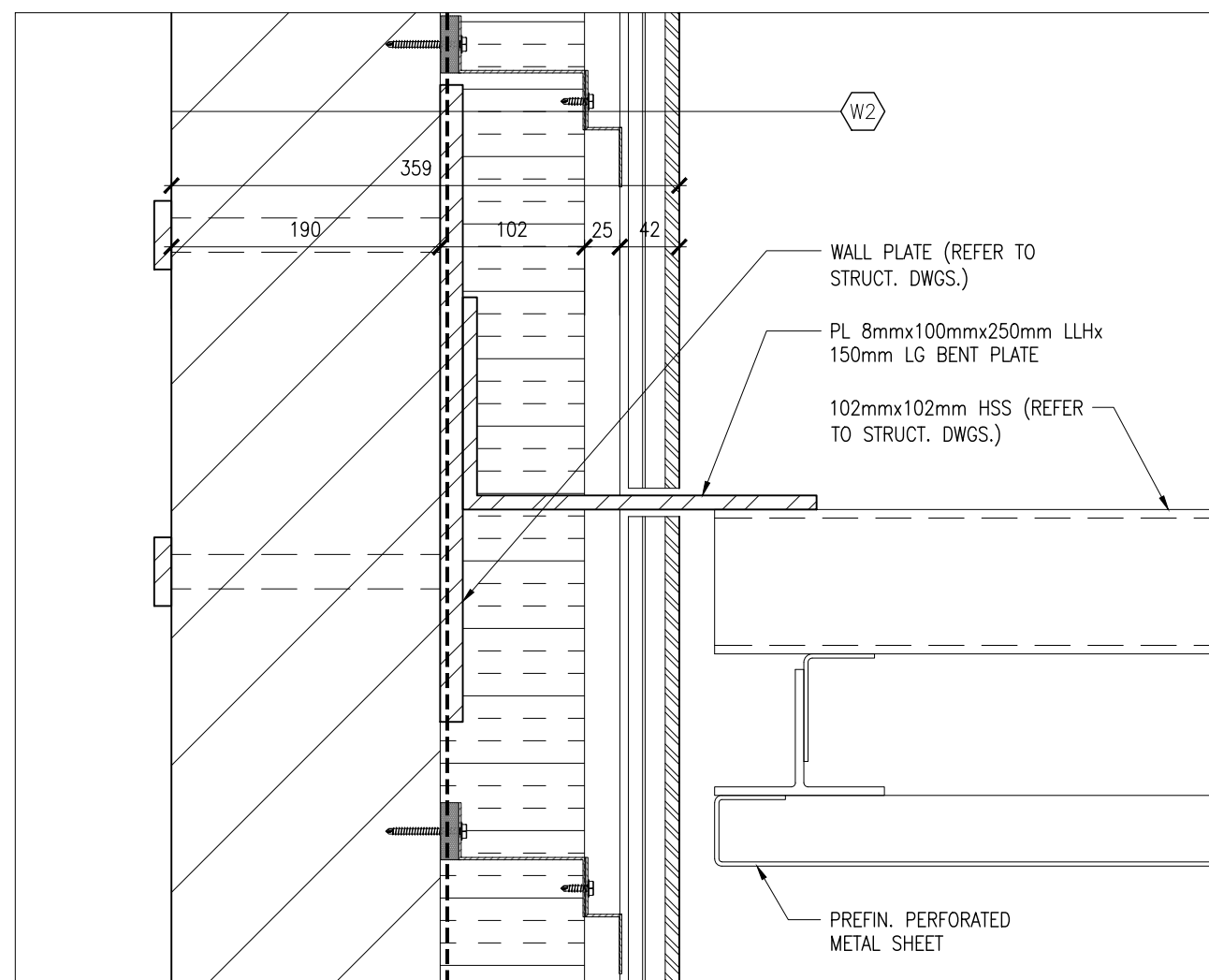
LE:
015 A405

PROJECT NO:

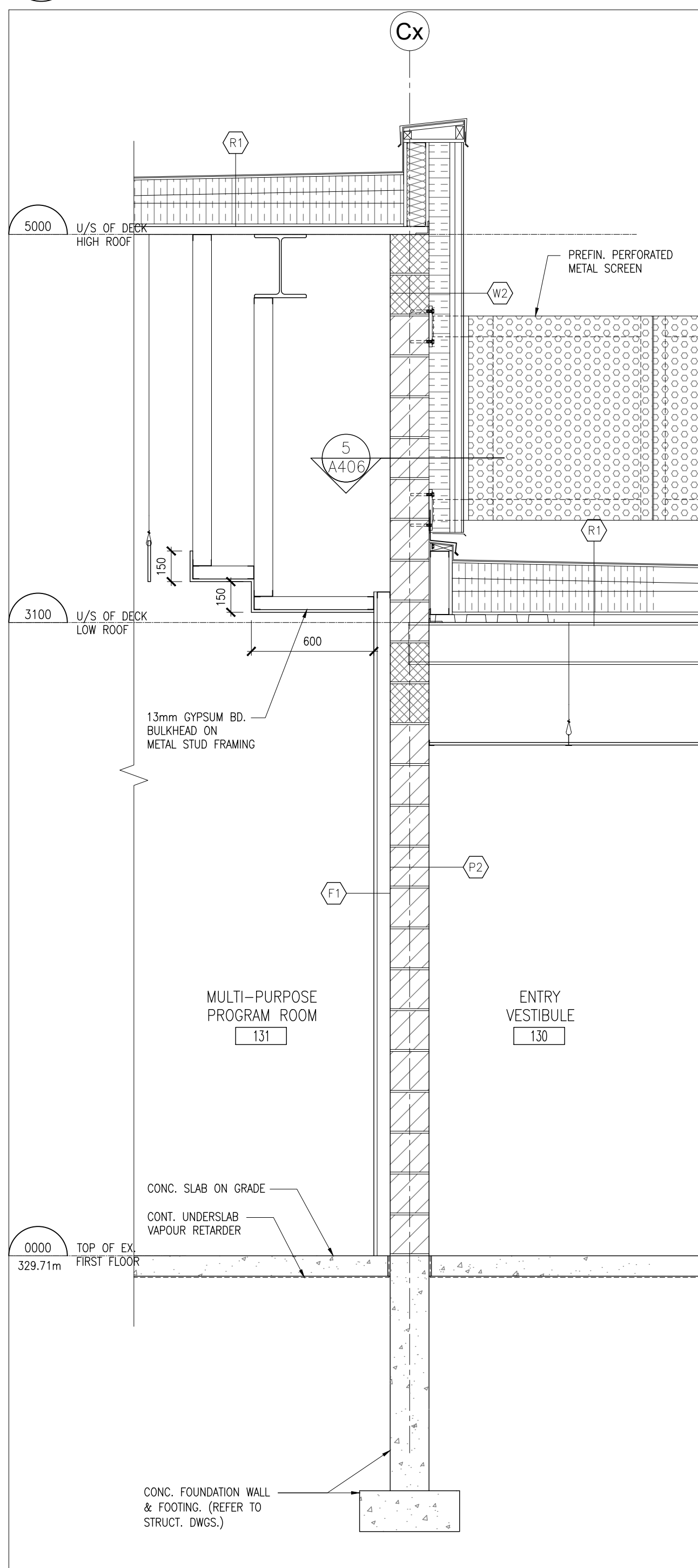
24015

DRAWING NO:

A405

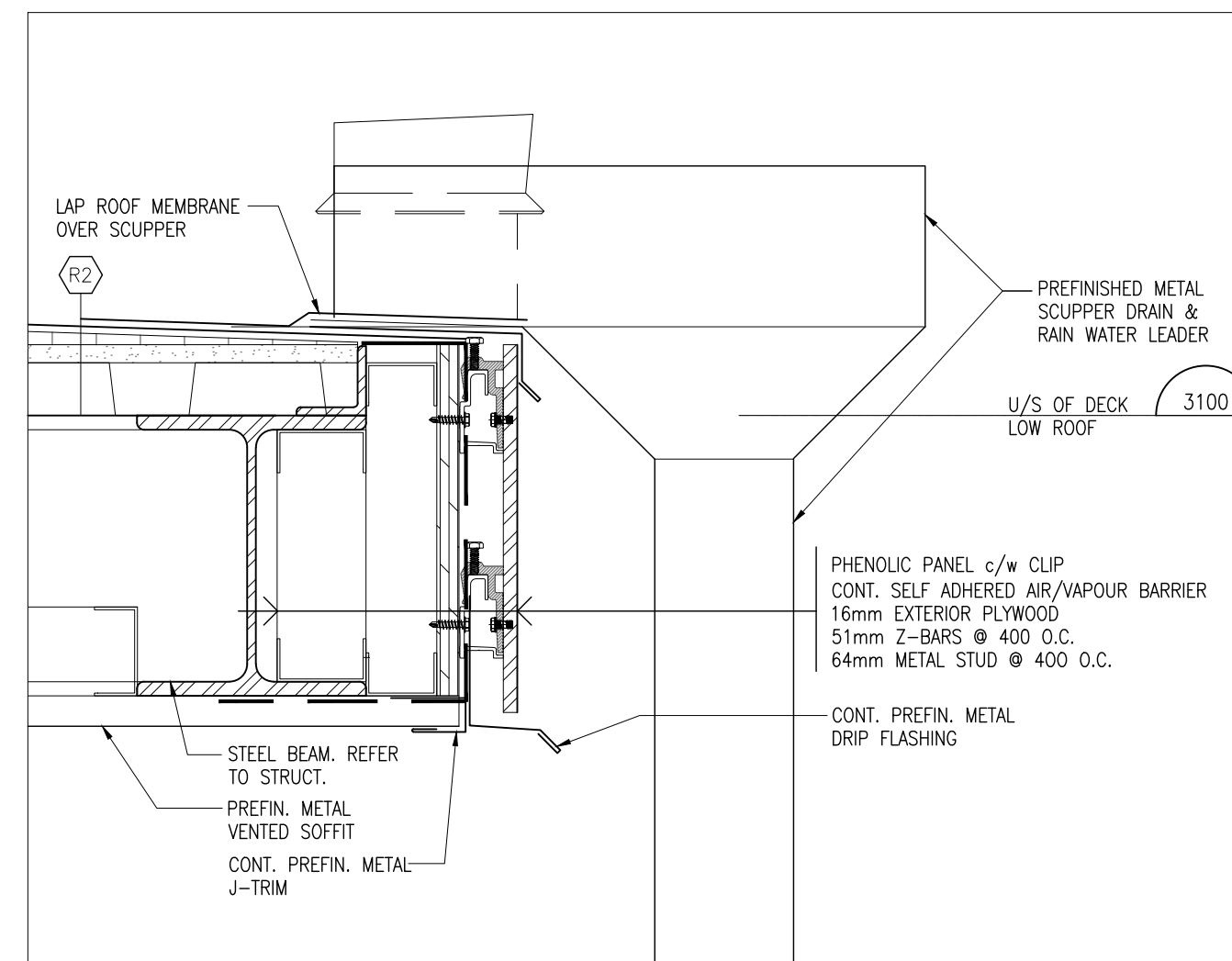


SECTION DETAIL
1:5



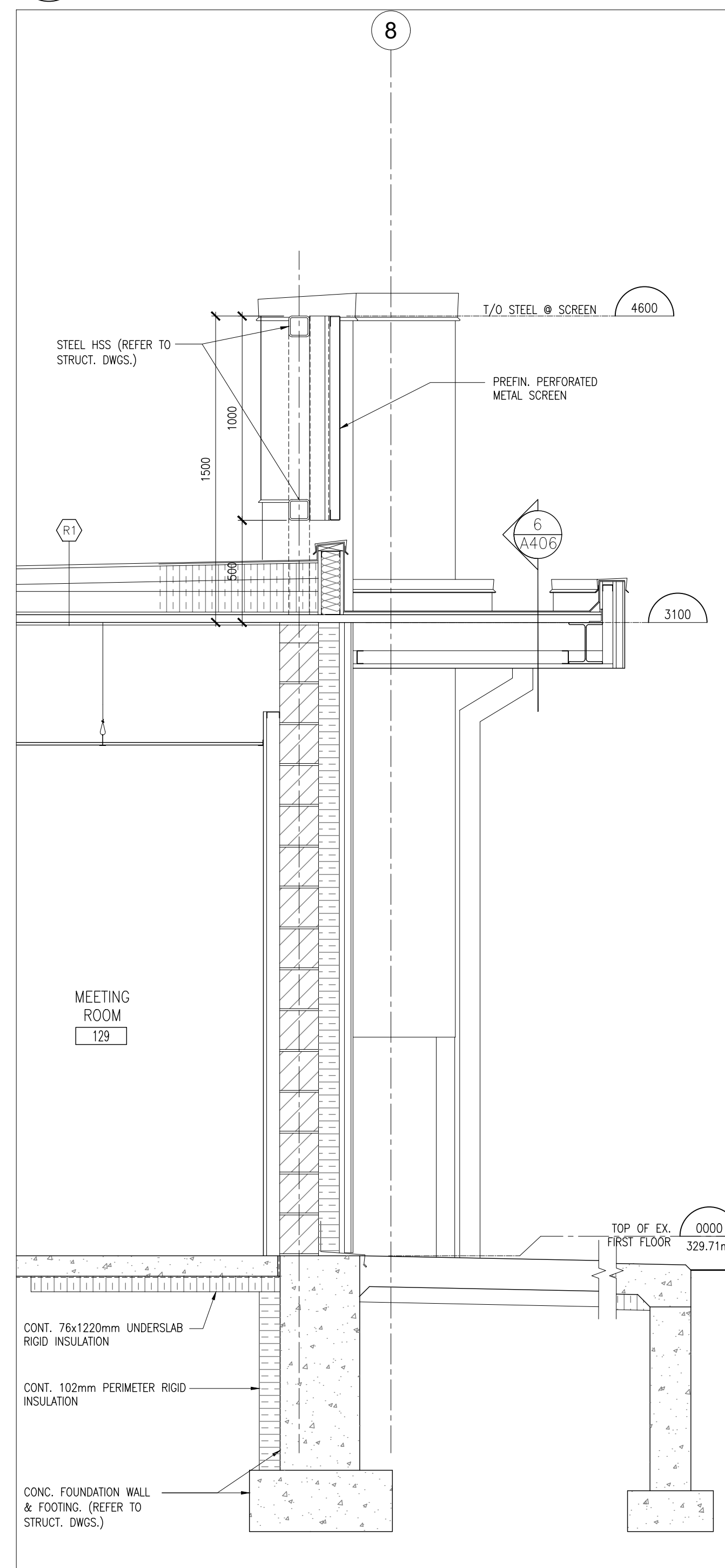
4
A406

WALL SECTION
1:20



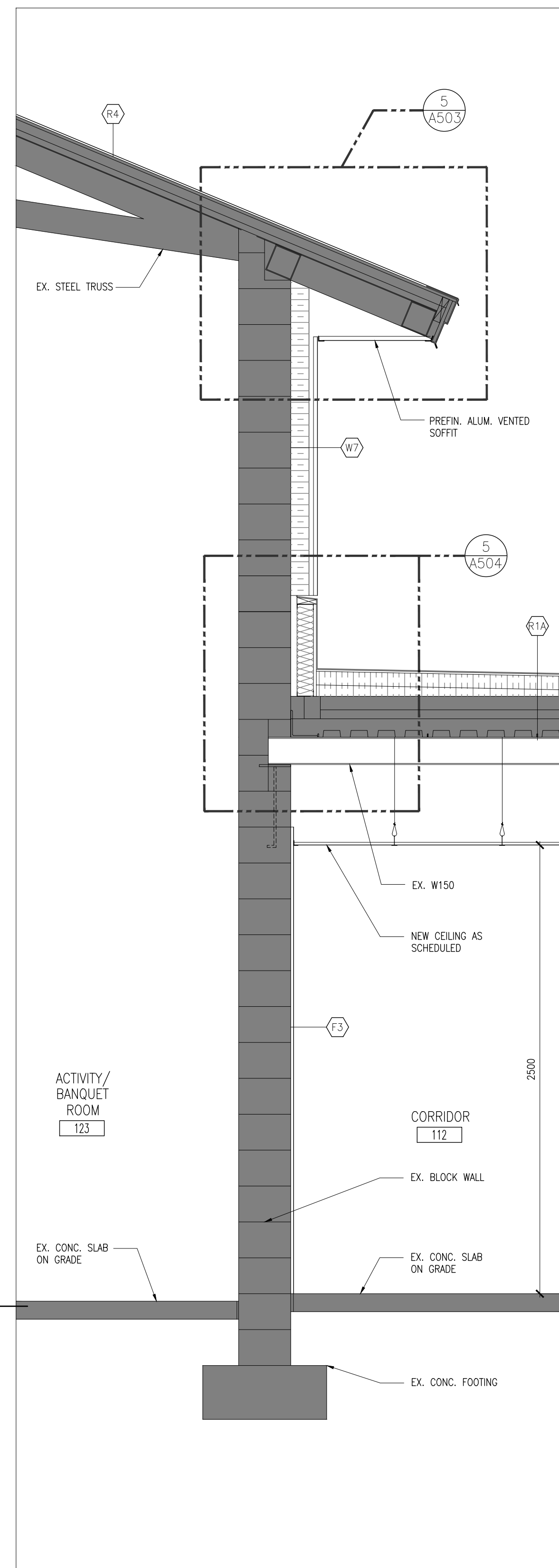
6
A406

SECTION DETAIL @ SCUPPER
1:5



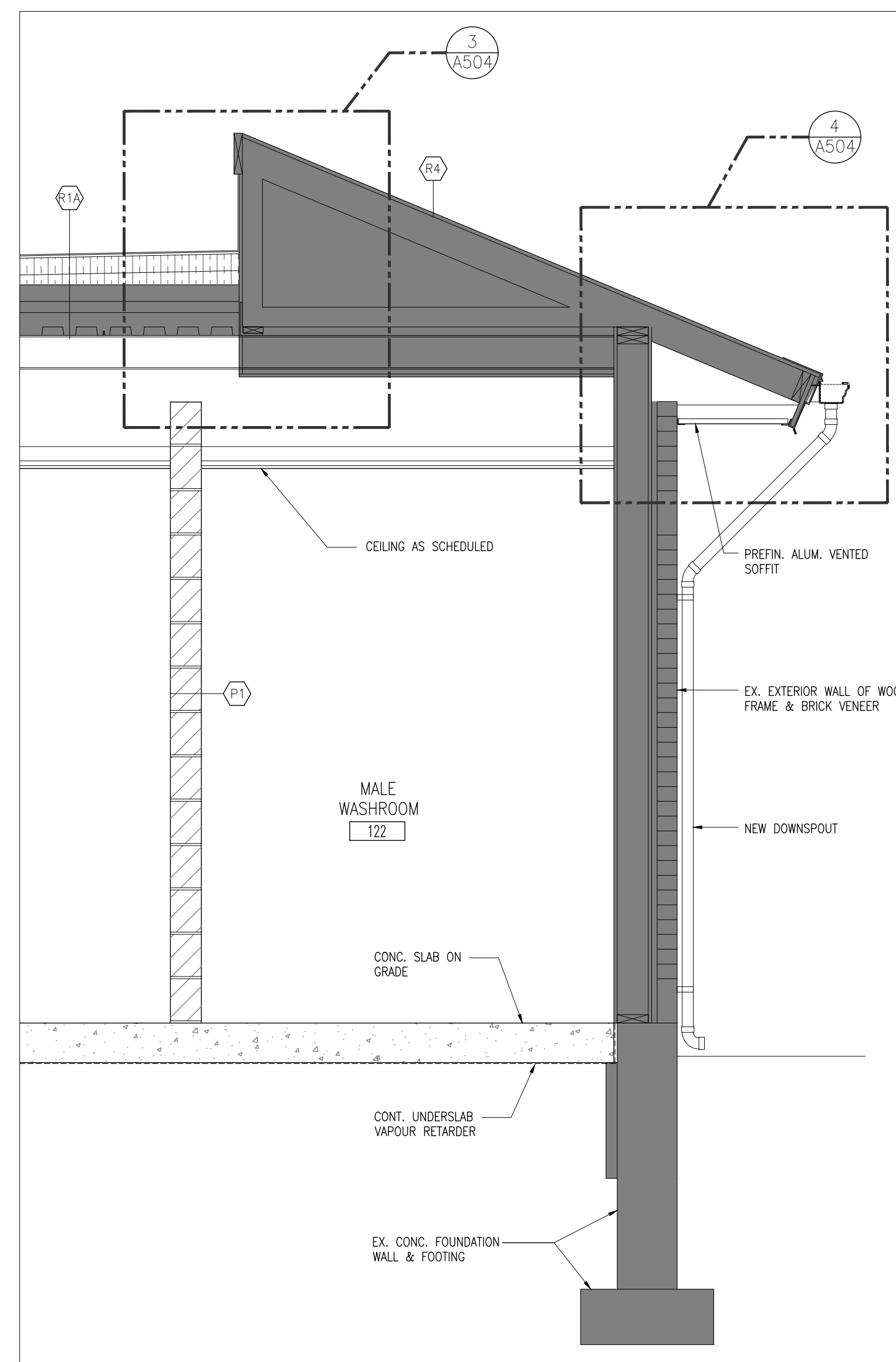
3
A406

WALL SECTION
1:20



2
A406

WALL SECTION
1:20



1
A406

WALL SECTION
1:20

DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBa
2	FOR BUILDING PERMIT	DEC. 16 2024	BBa
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBa
4	ISSUED FOR TENDER	FEB. 27, 2025	BBa

[illegible][illegible]

NO.	REVISIONS	DATE	BY

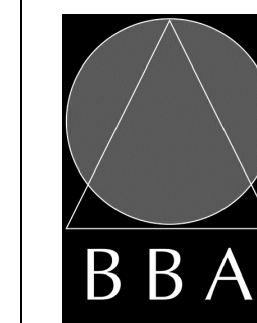
PROJECT:

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
WALL SECTIONS



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbe@bbe-architects.com

PROJECT NO:

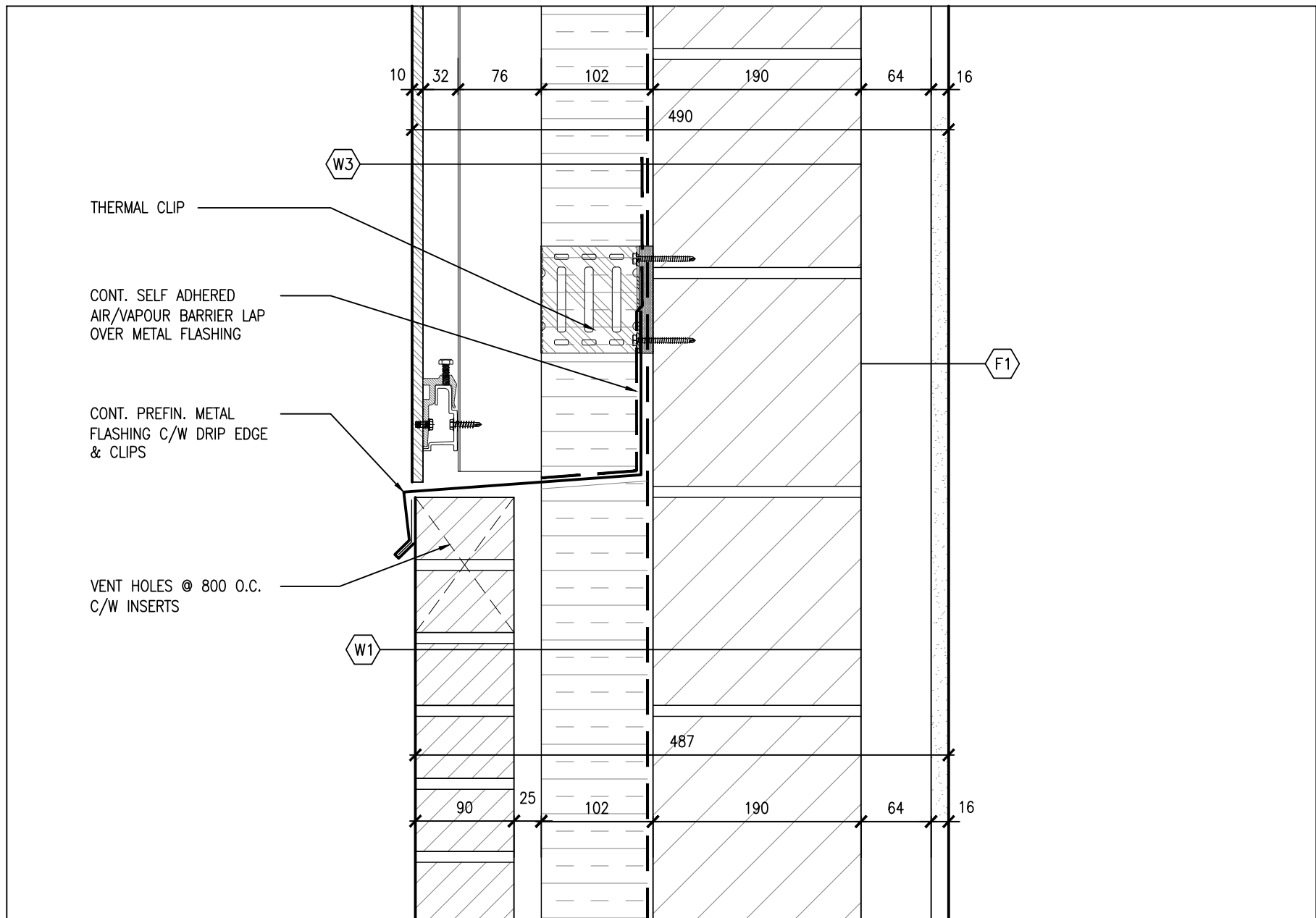
24015

DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: NV	% COMPLETE:
CHECKED BY:	INITIAL:

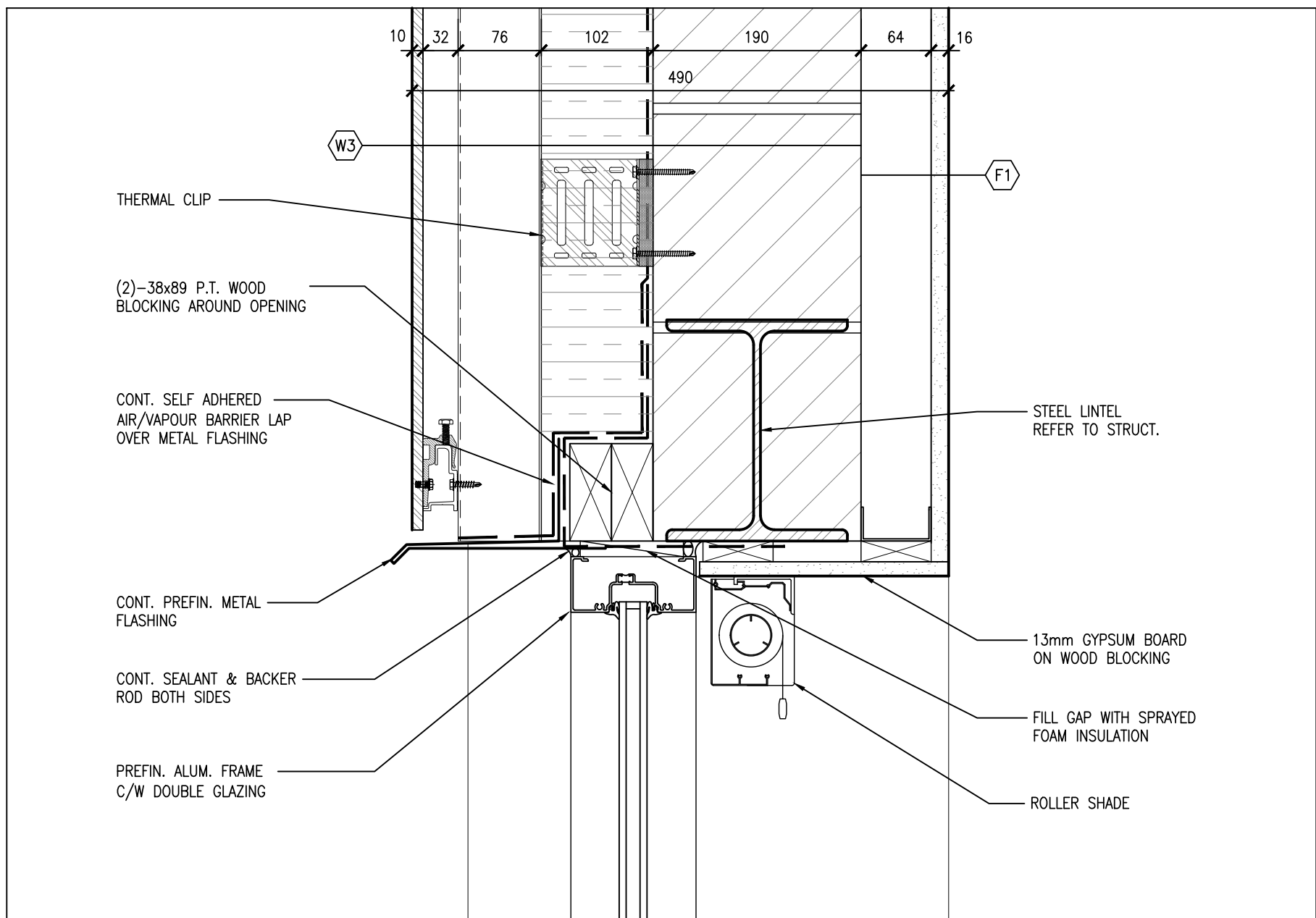
DATE:	OCT. 2024
SCALE:	AS NOTED
FILE:	24015 A406

DRAWING NO:

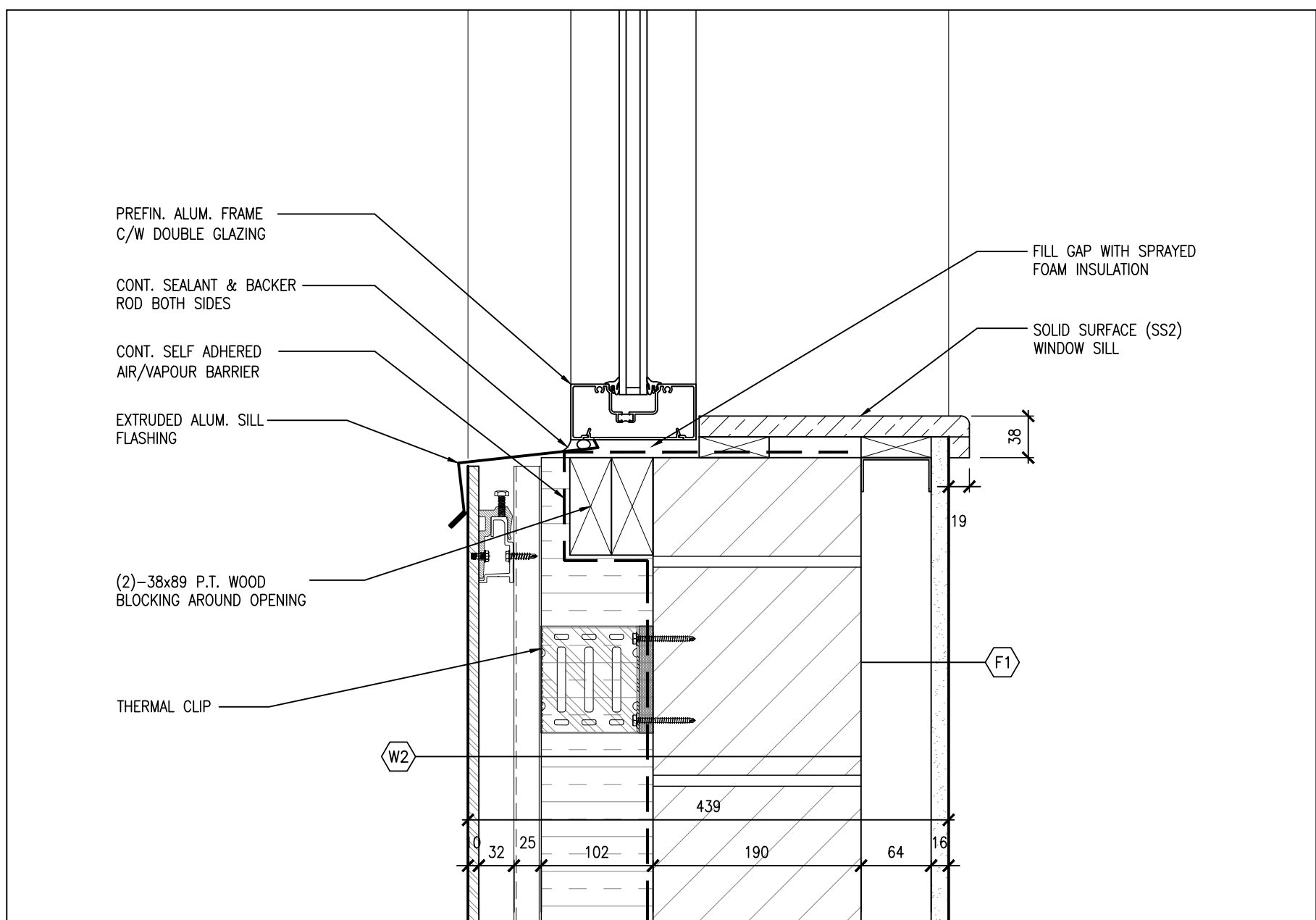
A406



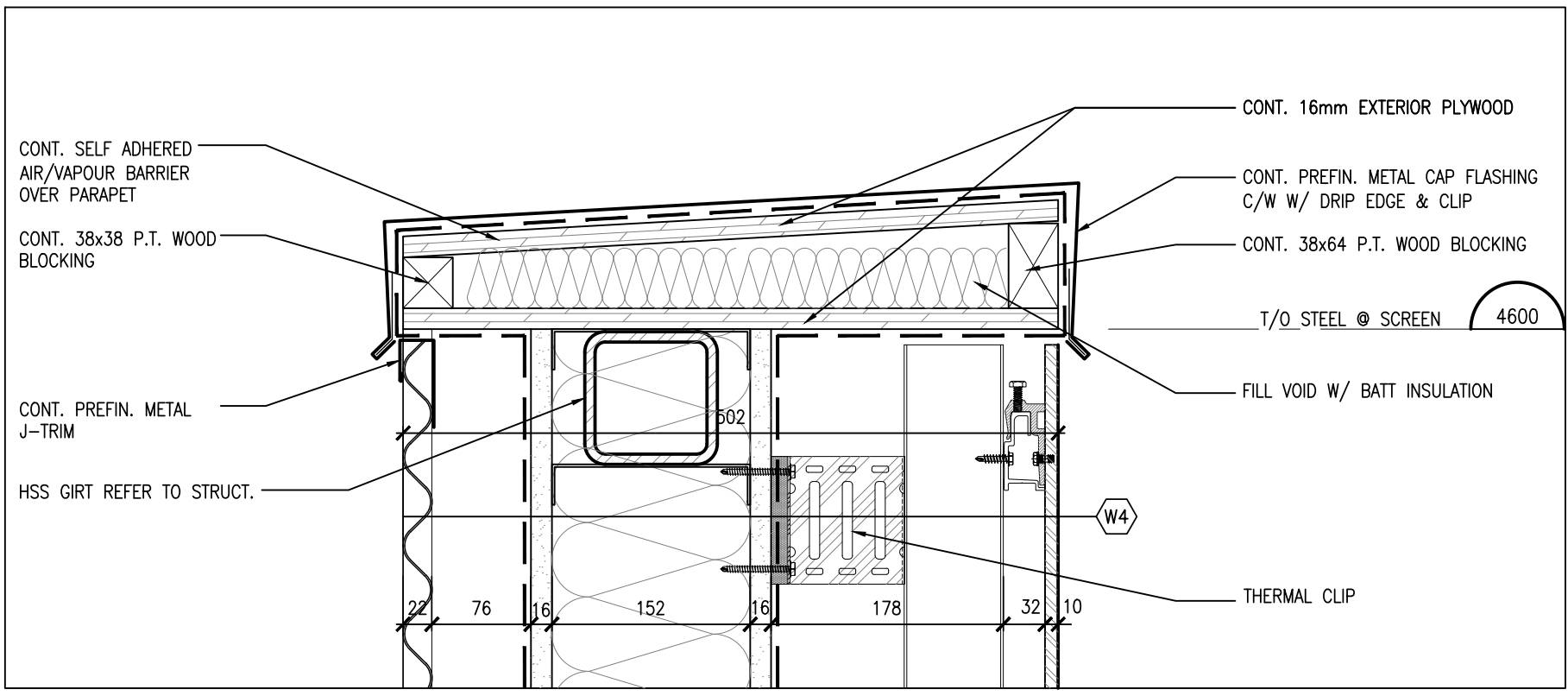
9 SECTION DETAIL
A501 1:5



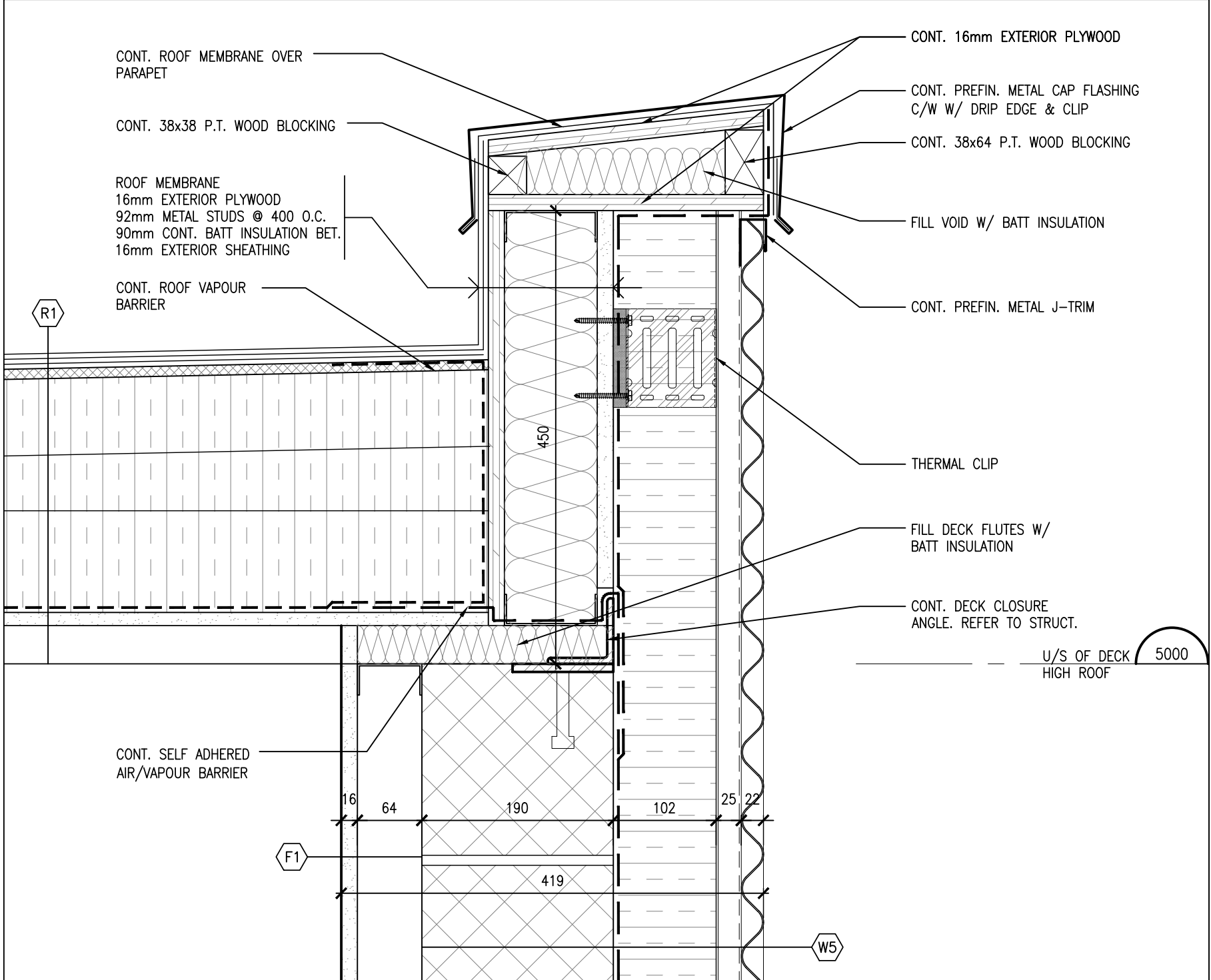
8 SECTION DETAIL
A501 1:5



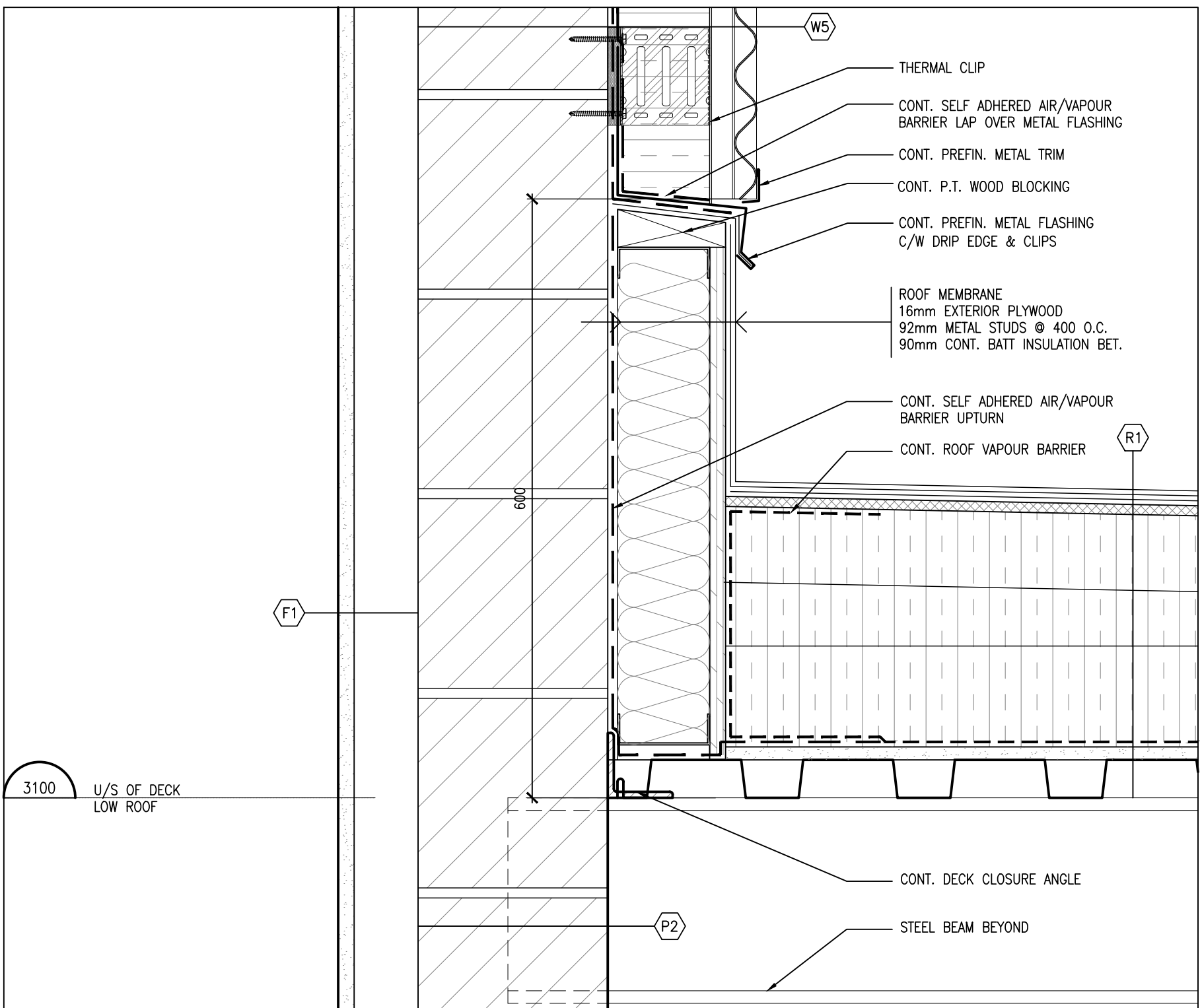
7 SECTION DETAIL
A501 1:5



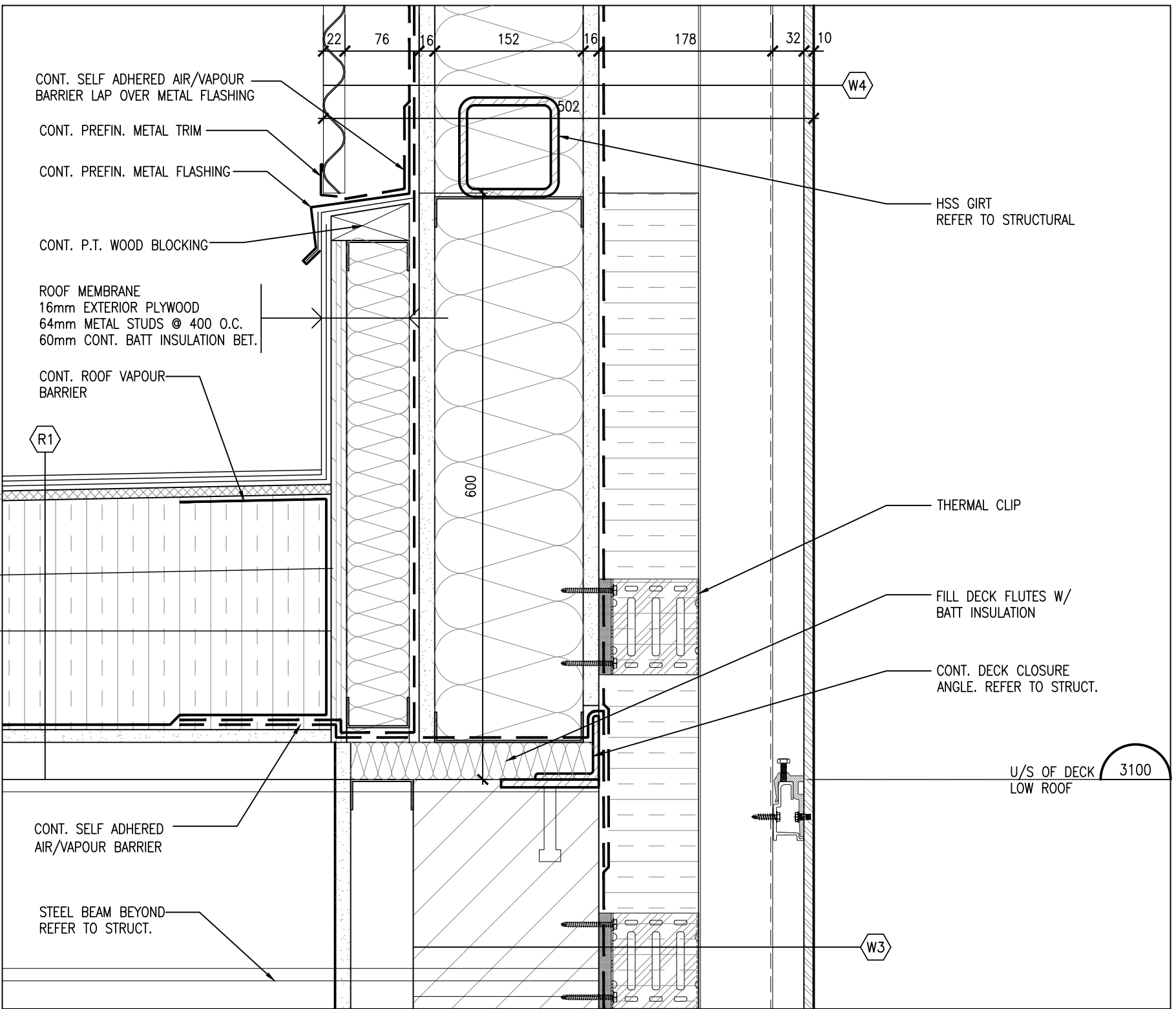
6 SECTION DETAIL
A501 1:5



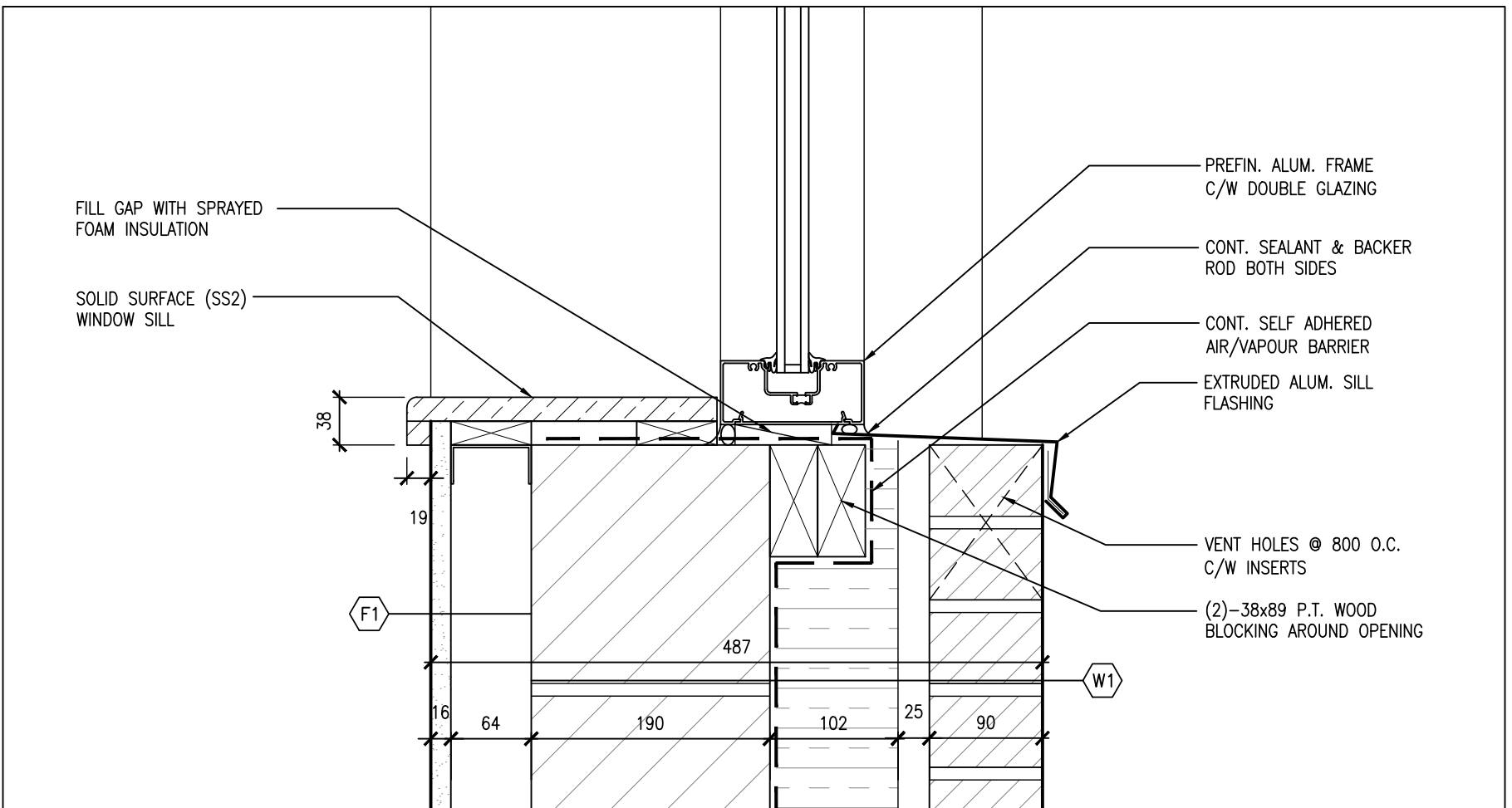
5 SECTION DETAIL
A501 1:5



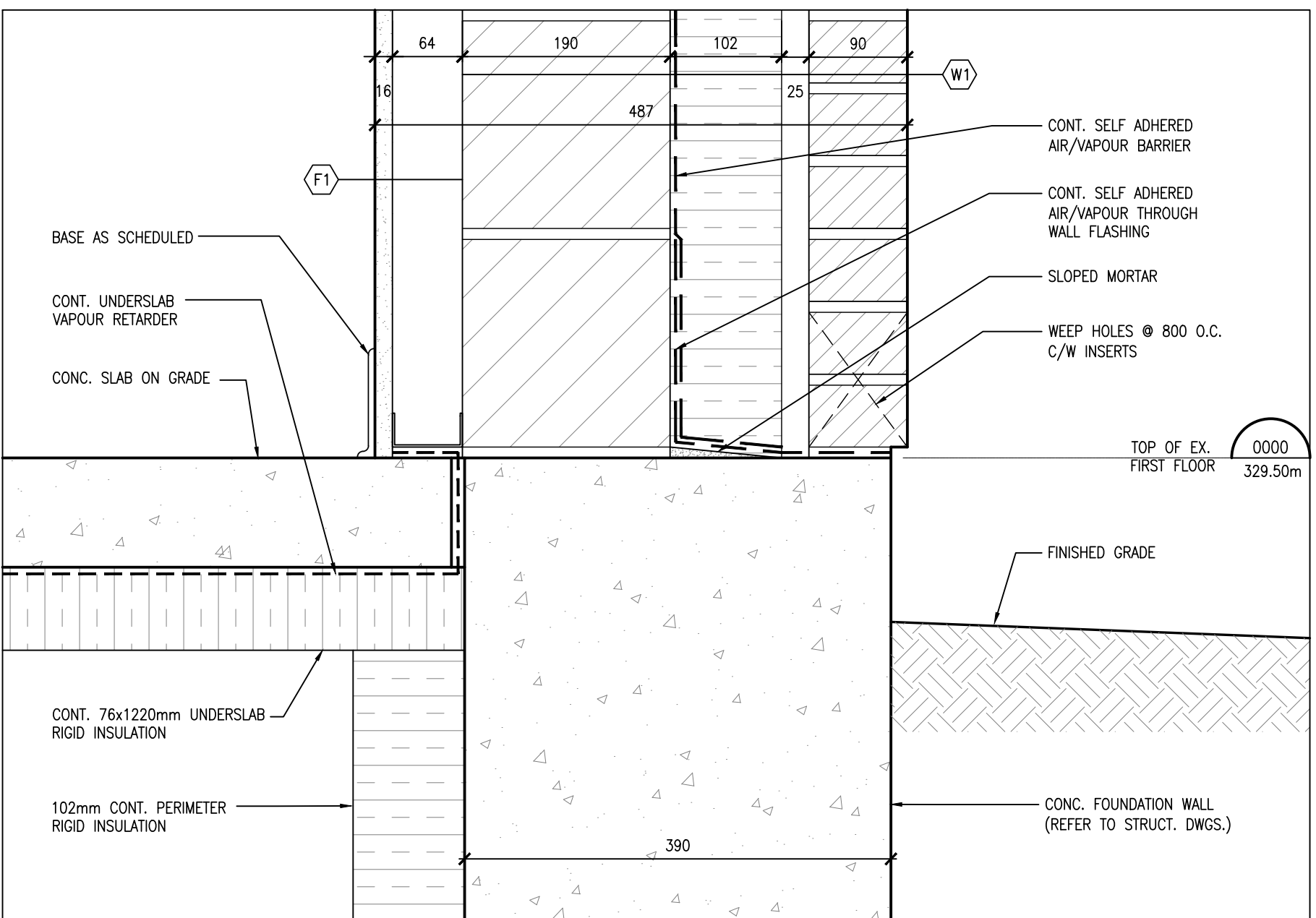
4 SECTION DETAIL
A501 1:5



3 SECTION DETAIL
A501 1:5



2 SECTION DETAIL
A501 1:5



1 SECTION DETAIL
A501 1:5

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

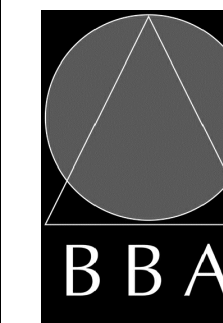
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

SECTION DETAILS



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: NV	% COMPLETE:
CHECKED BY:	INITIAL:

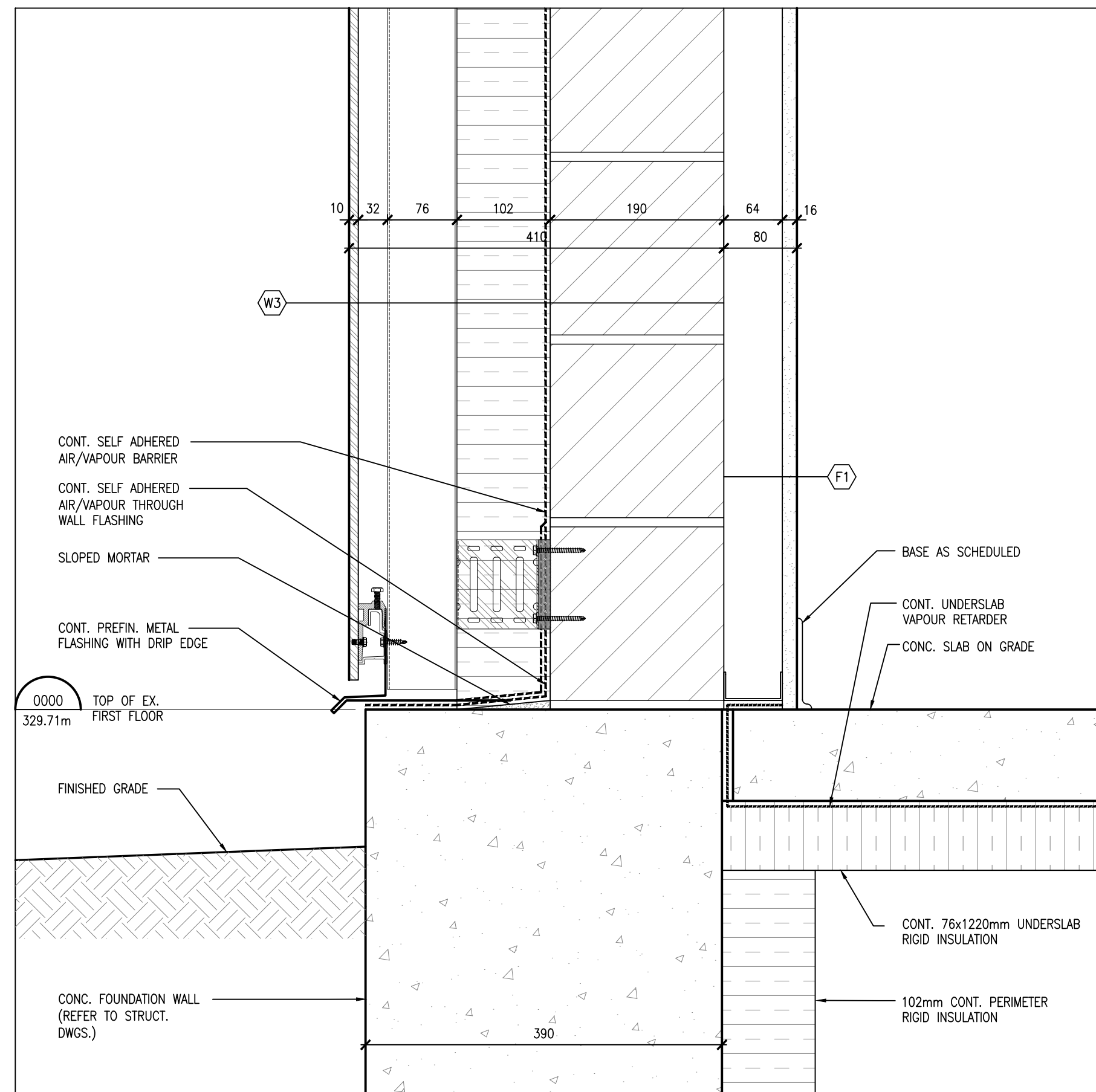
DATE: OCT. 2024
SCALE: AS NOTED
FILE: 24015 A501

PROJECT NO:

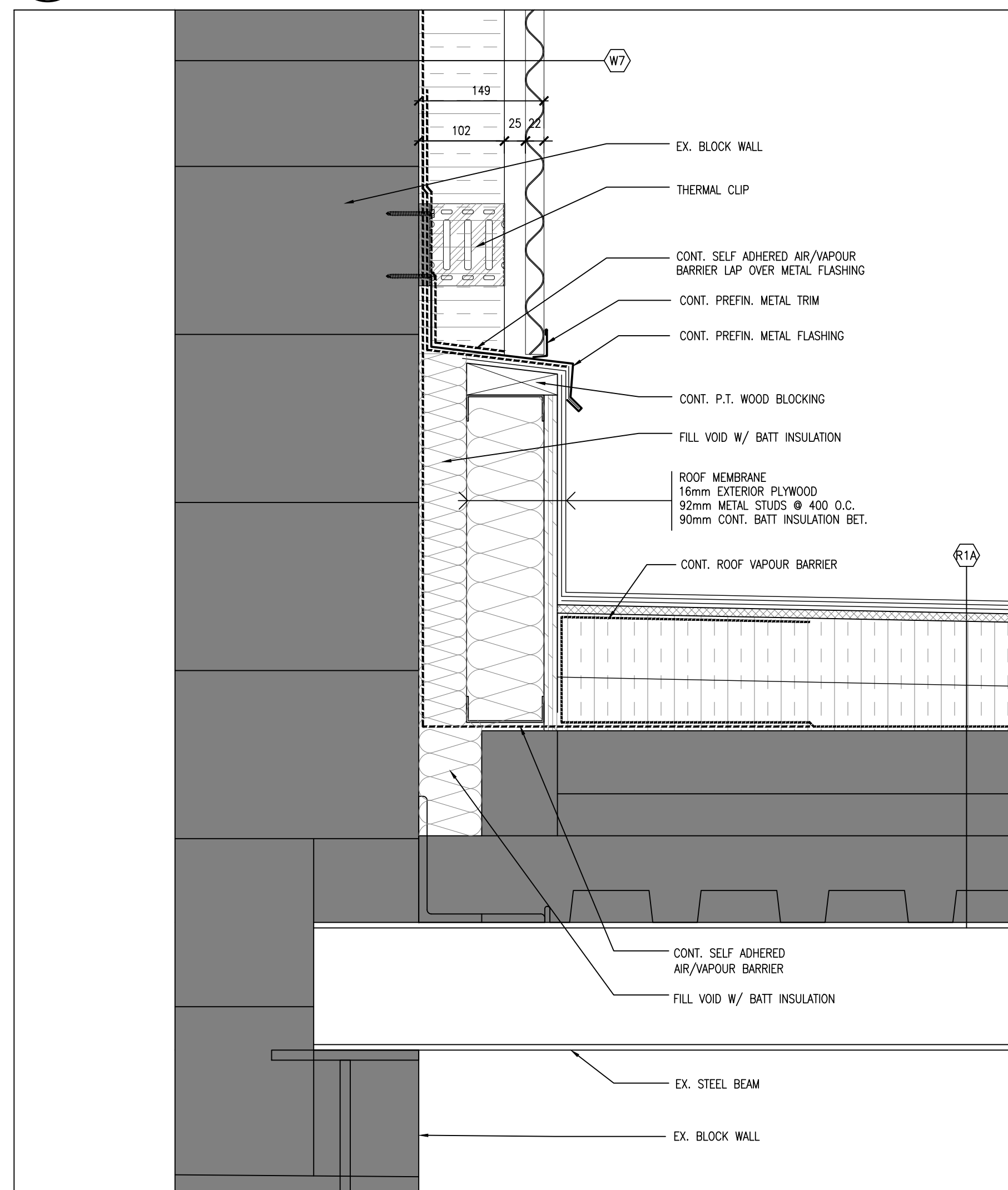
24015

DRAWING NO:

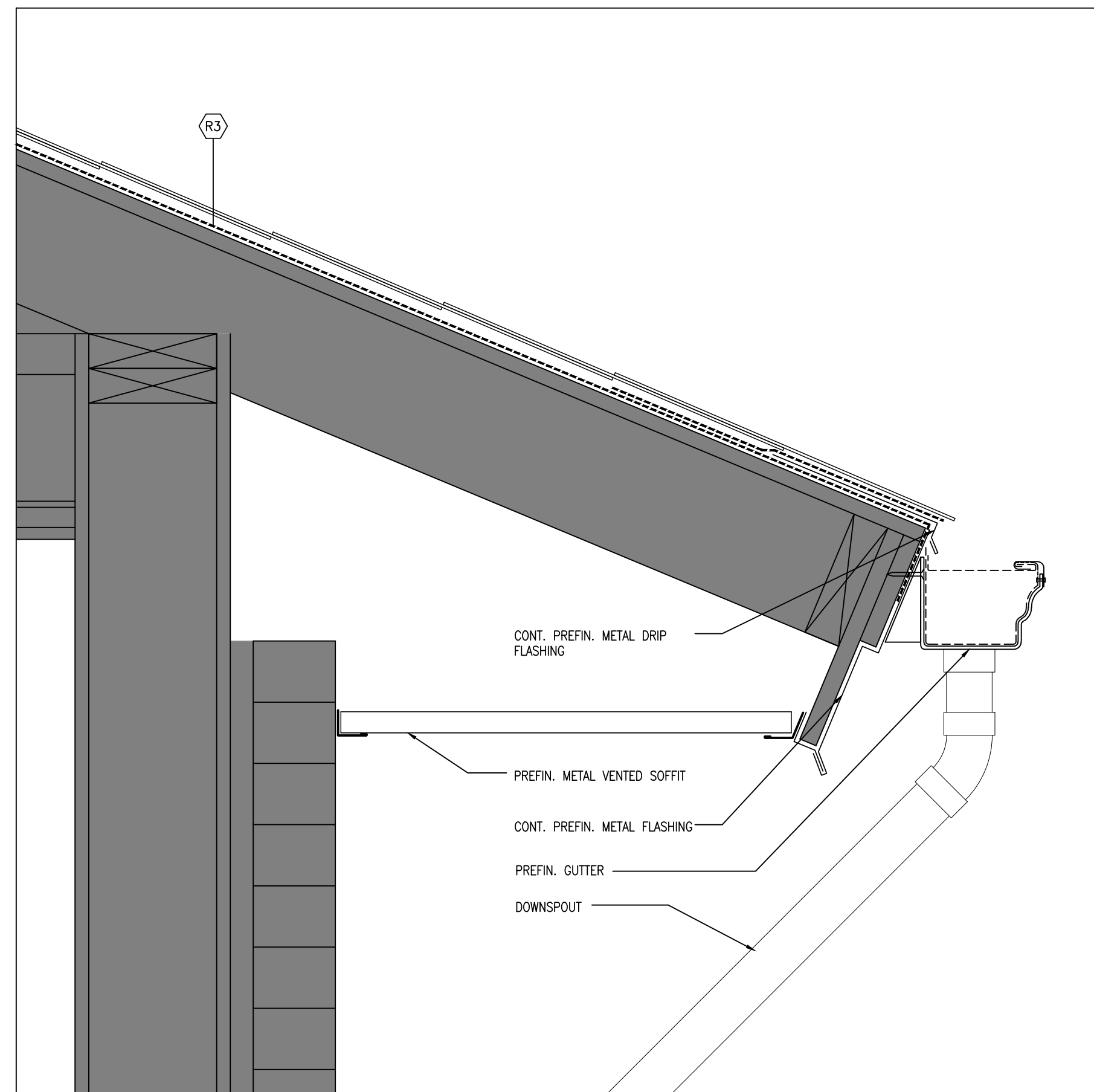
A501



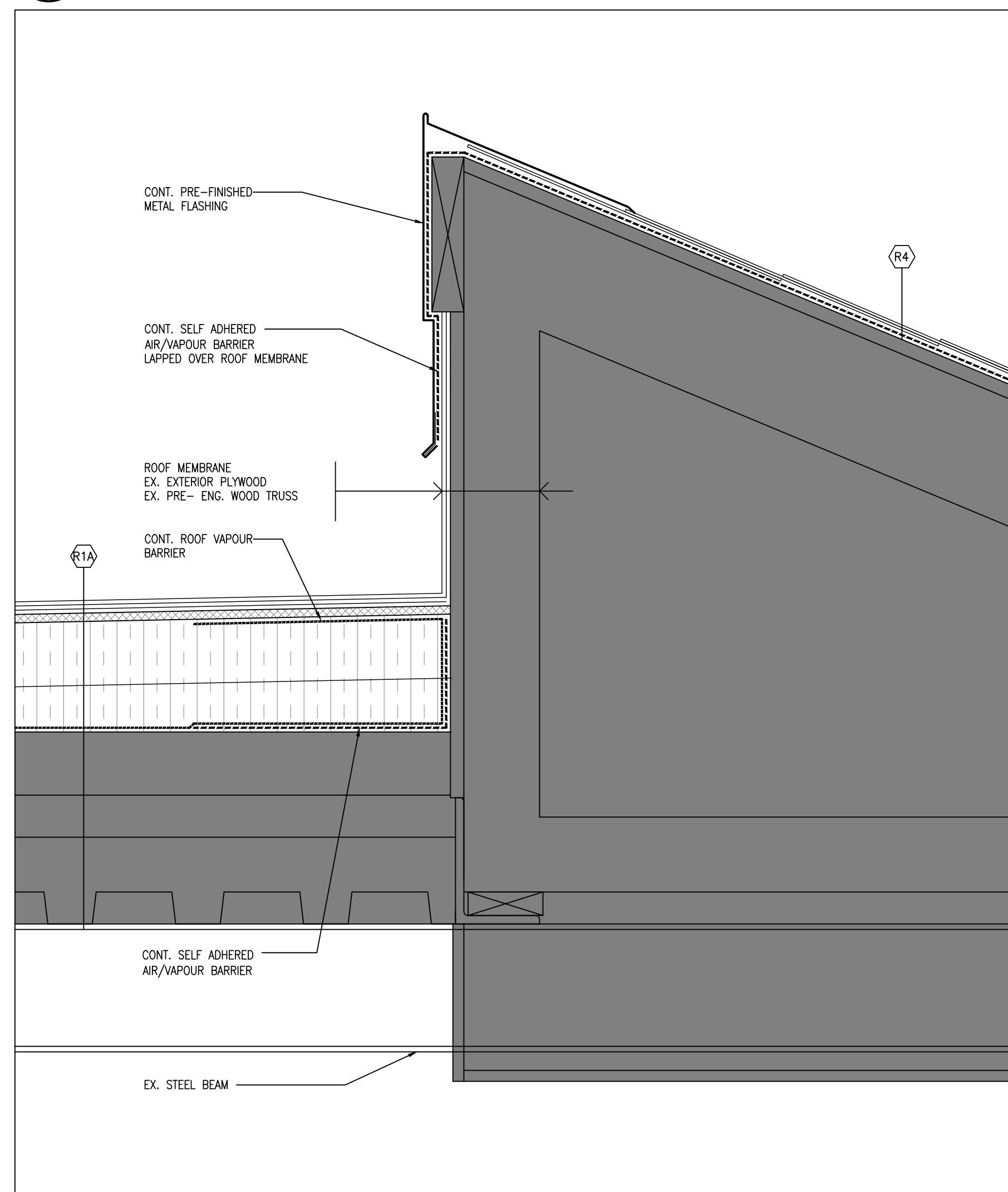
6 SECTION DETAIL
A504 1:5



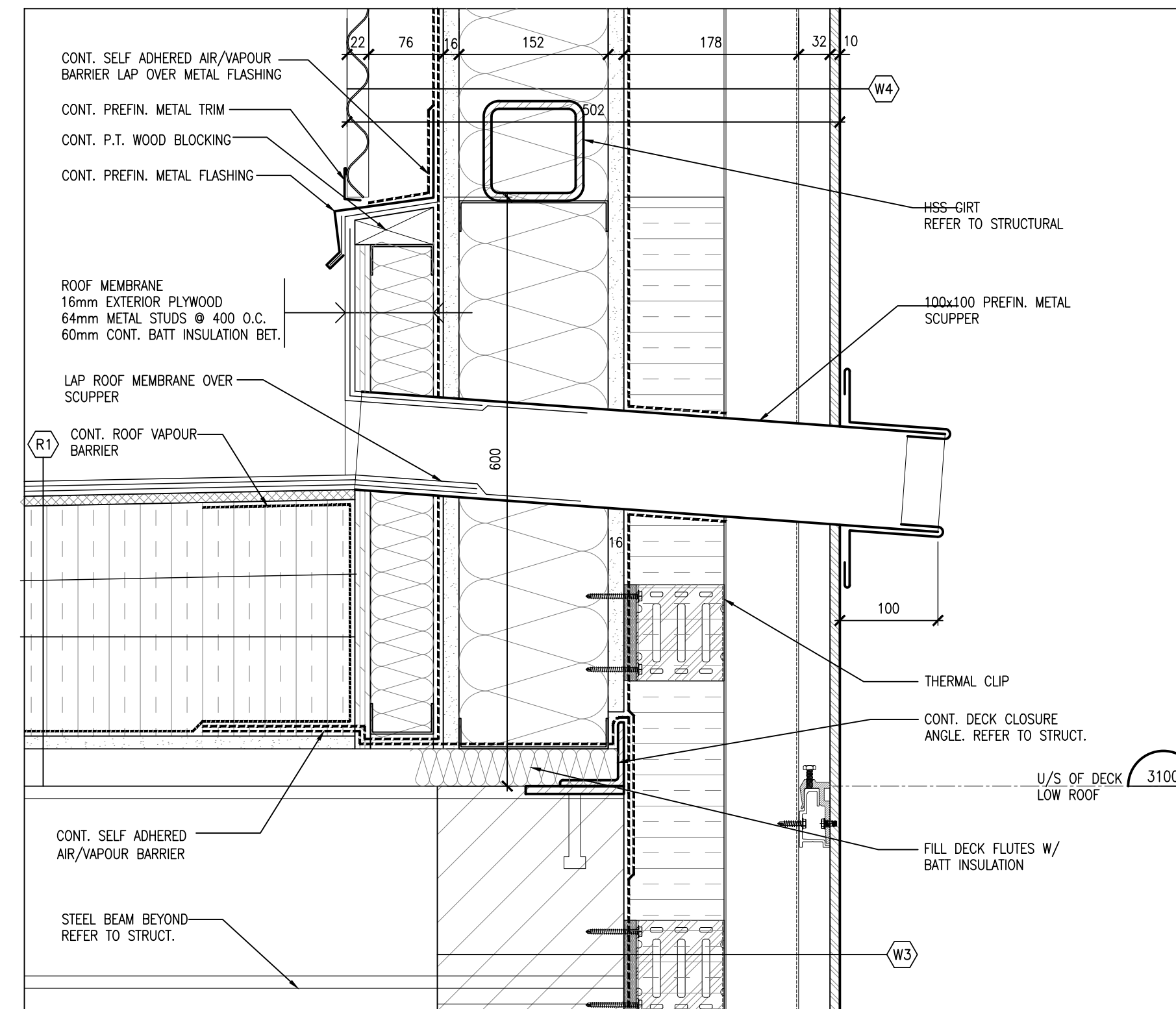
5 SECTION DETAIL
A504 1:5



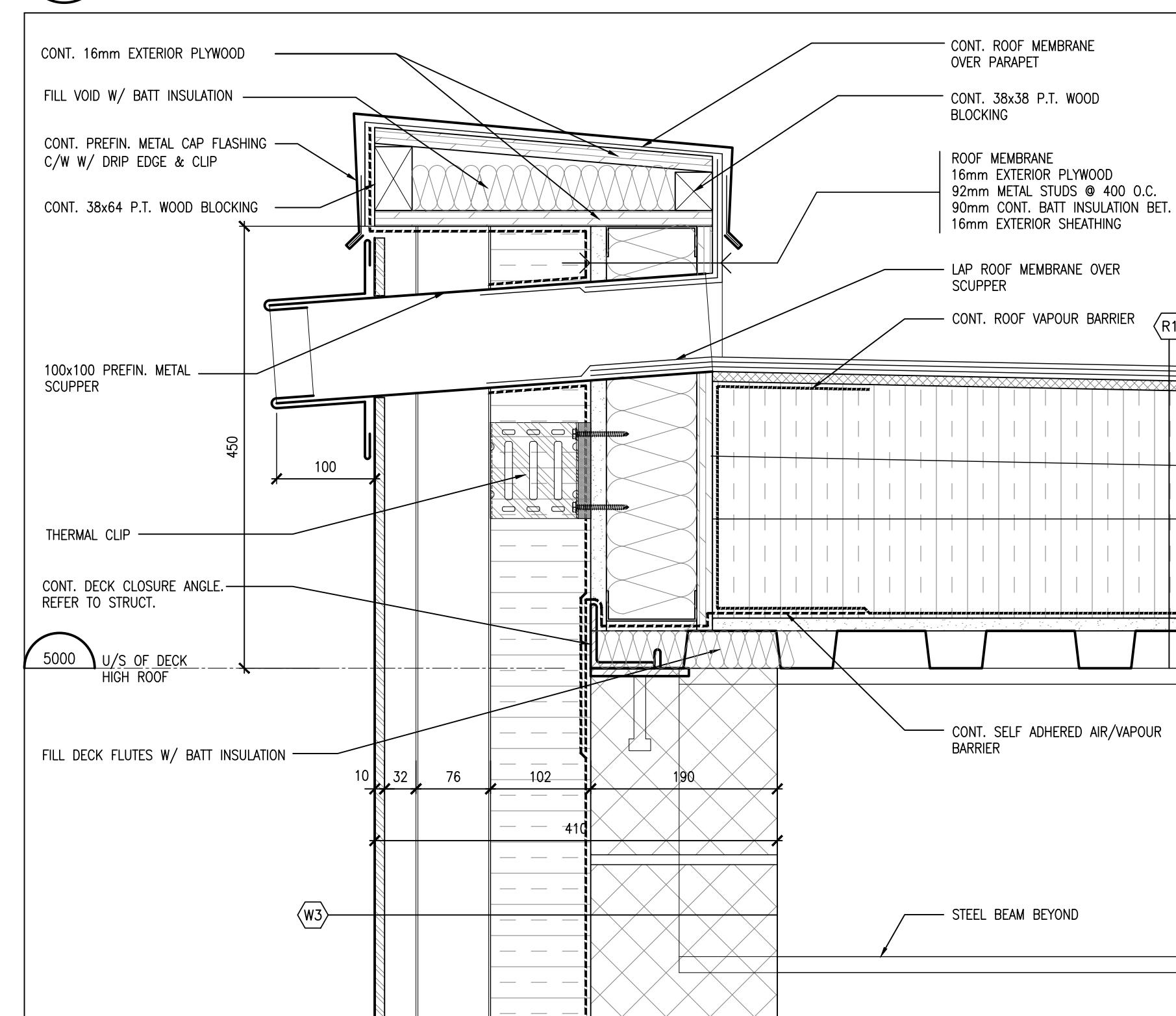
4 SECTION DETAIL
A504 1:5



3 SECTION DETAIL
A504 1:5



2 SECTION DETAIL @ SCUPPER
A504 1:5



1 SECTION DETAIL @ SCUPPER
A504 1:5

DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



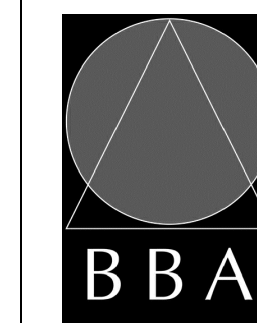
NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
SECTION DETAILS



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

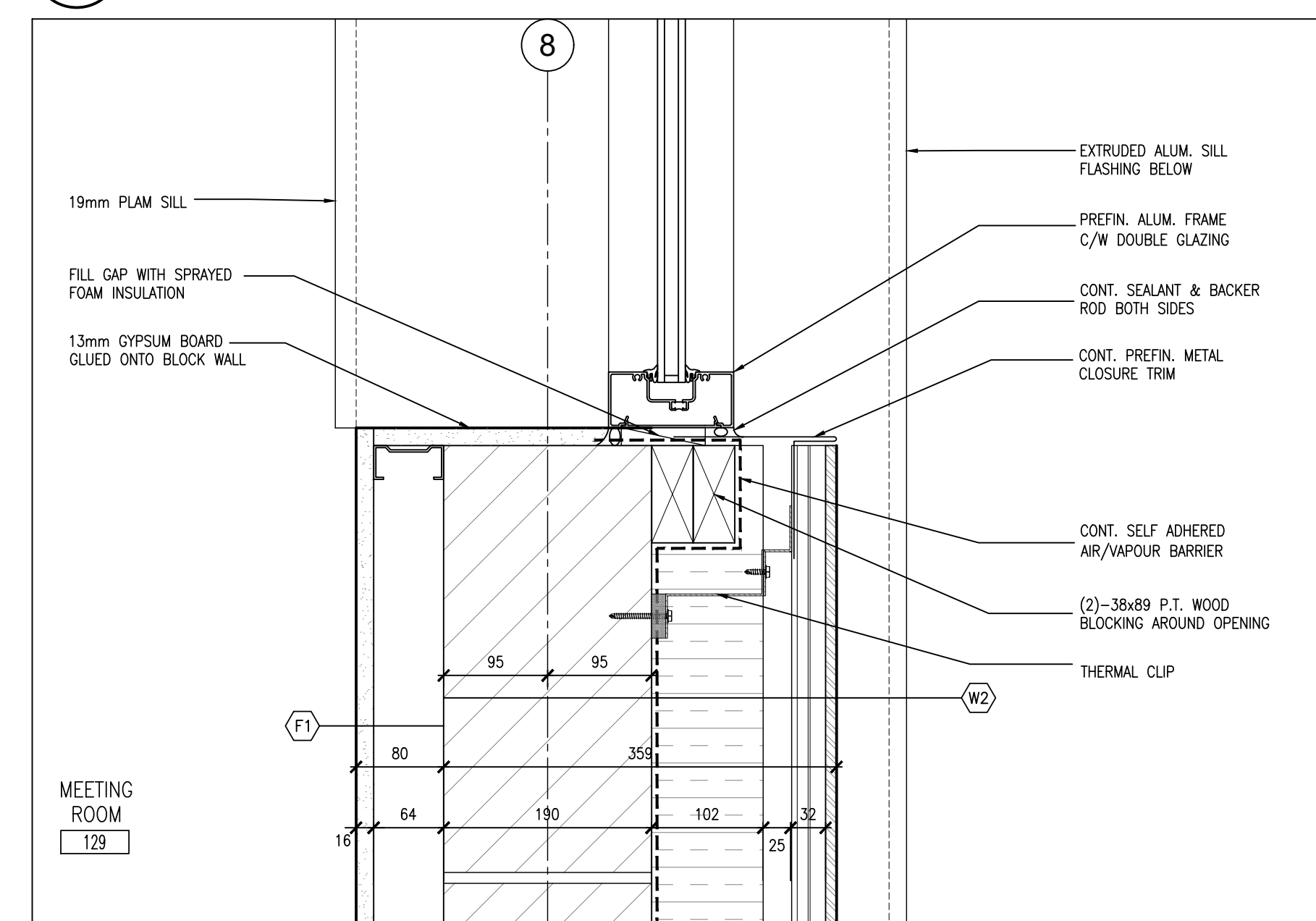
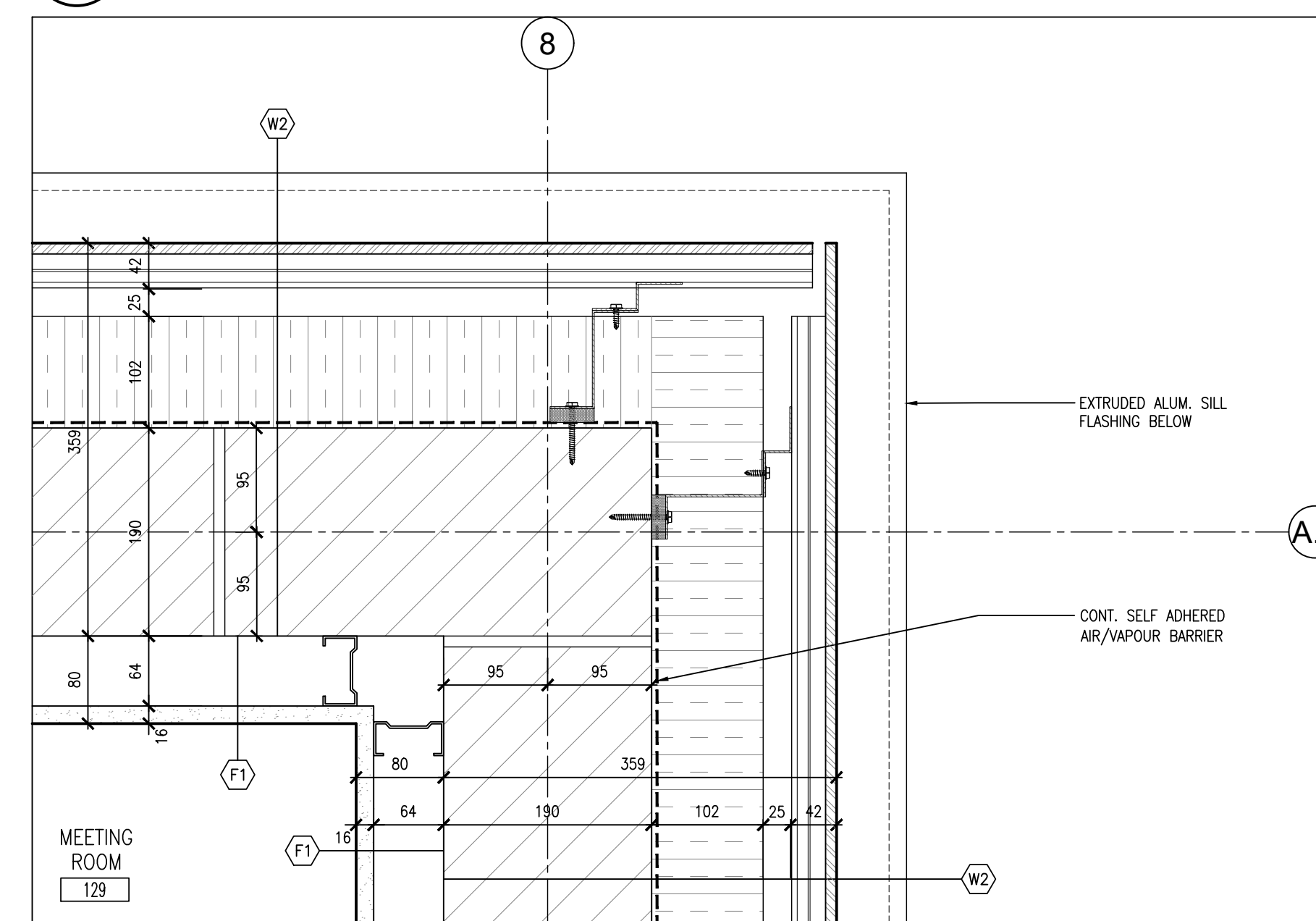
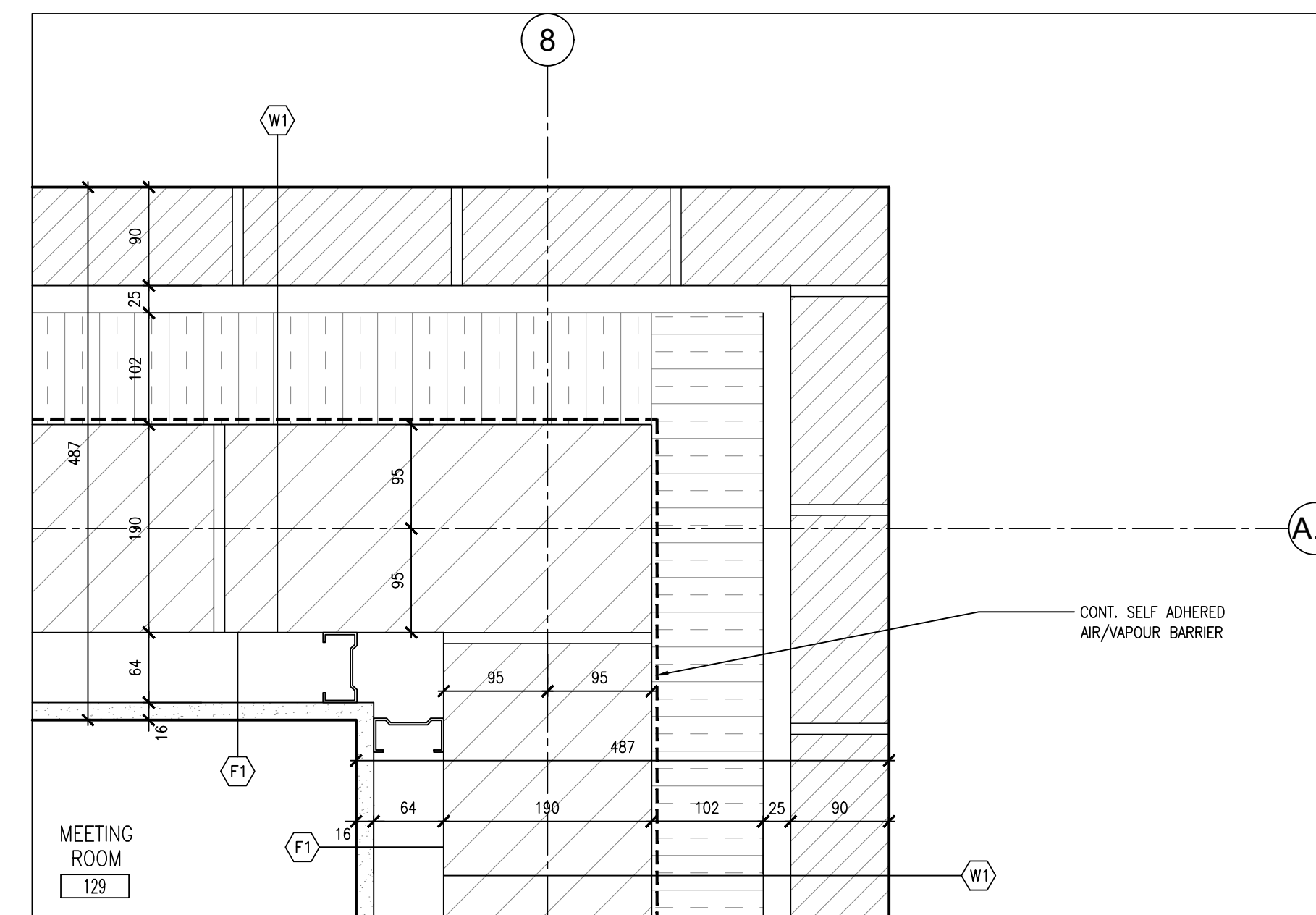
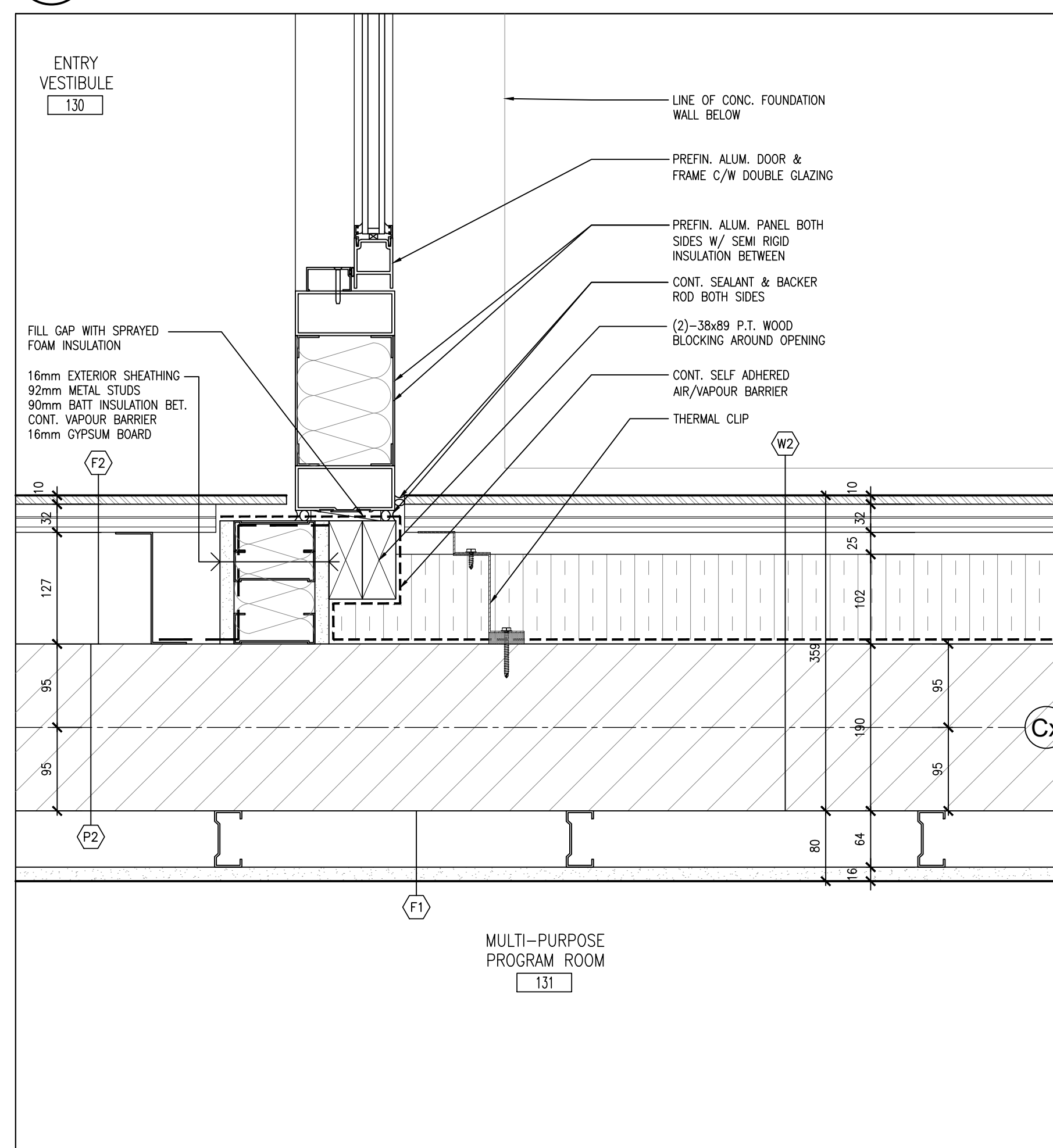
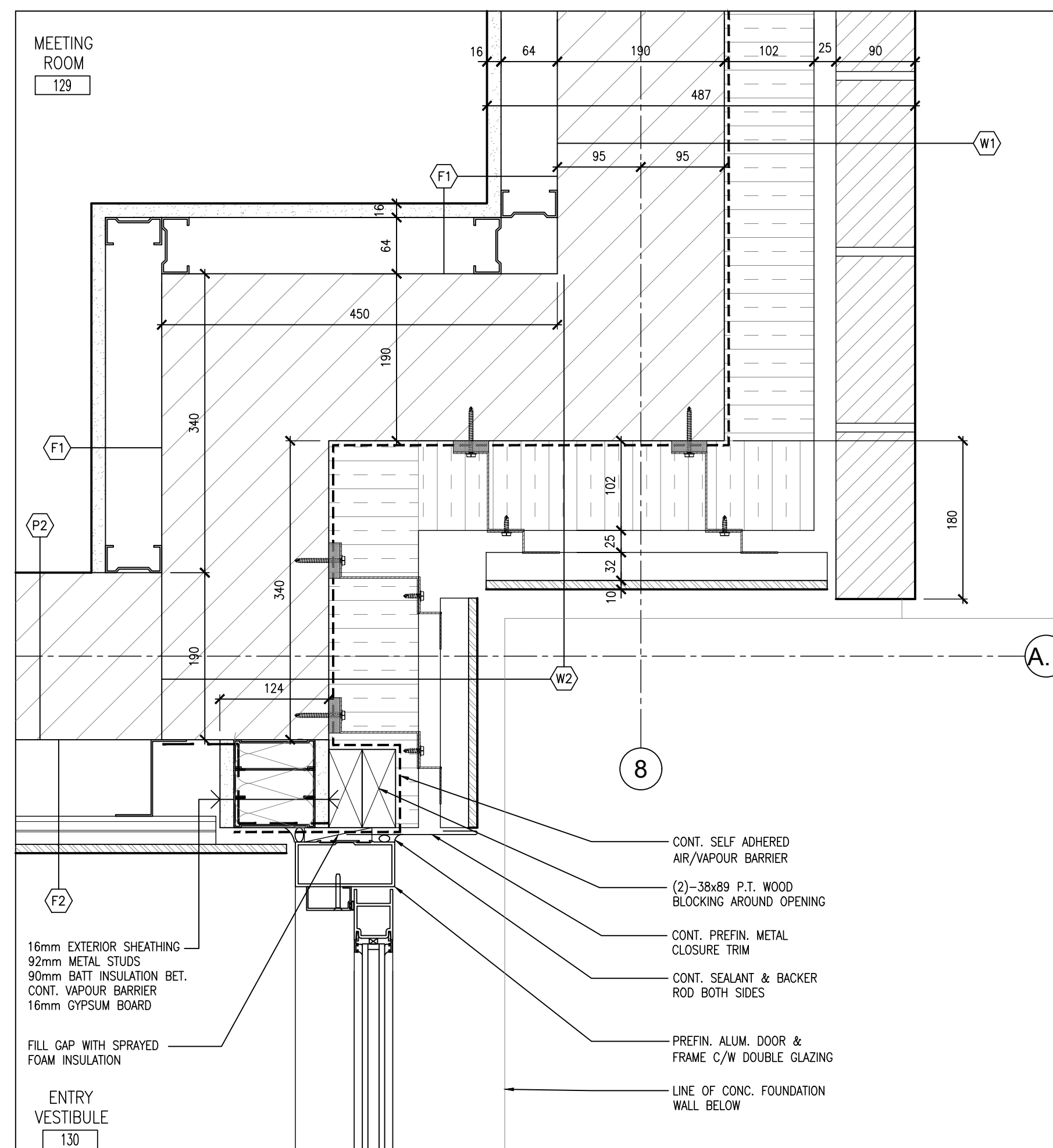
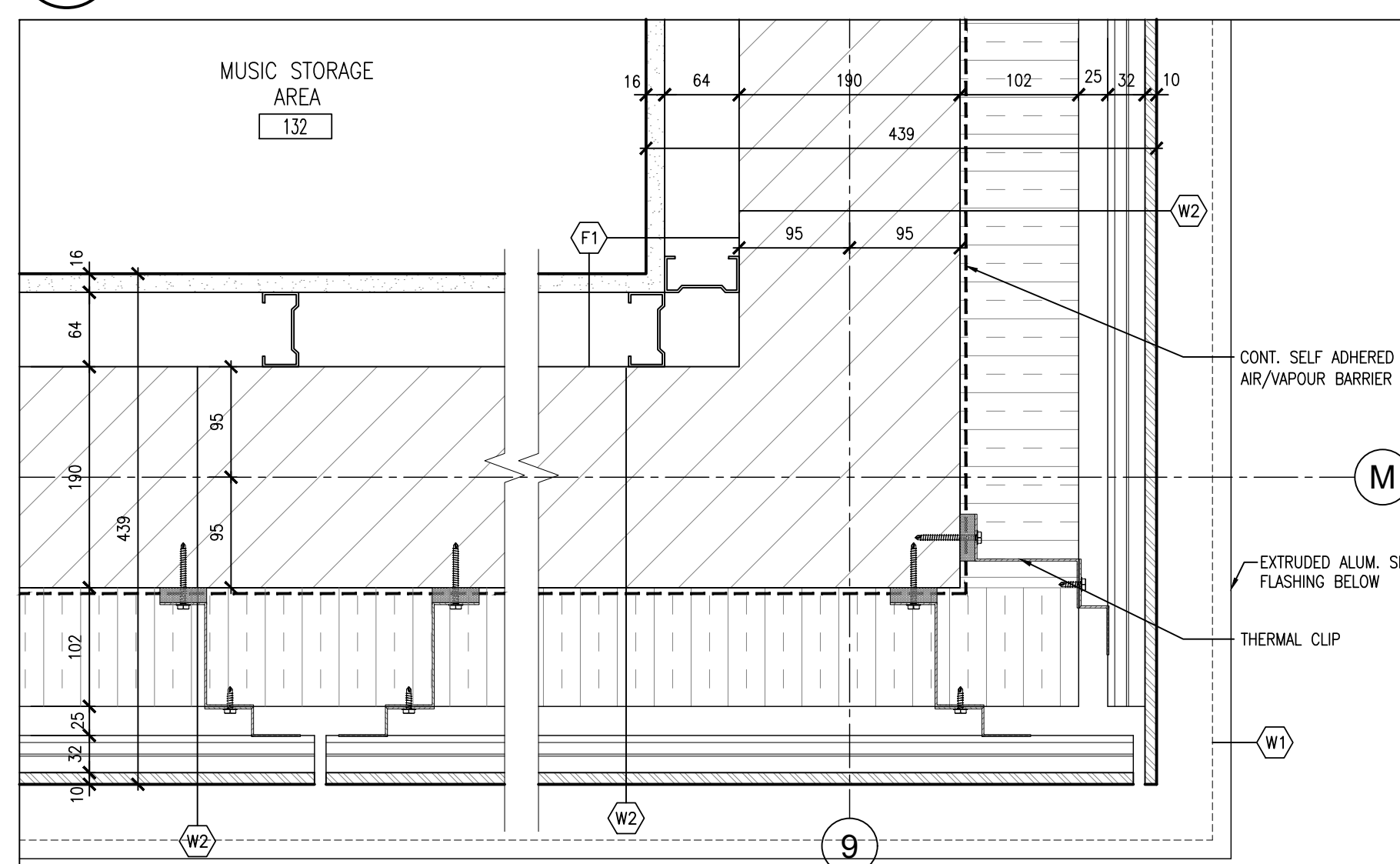
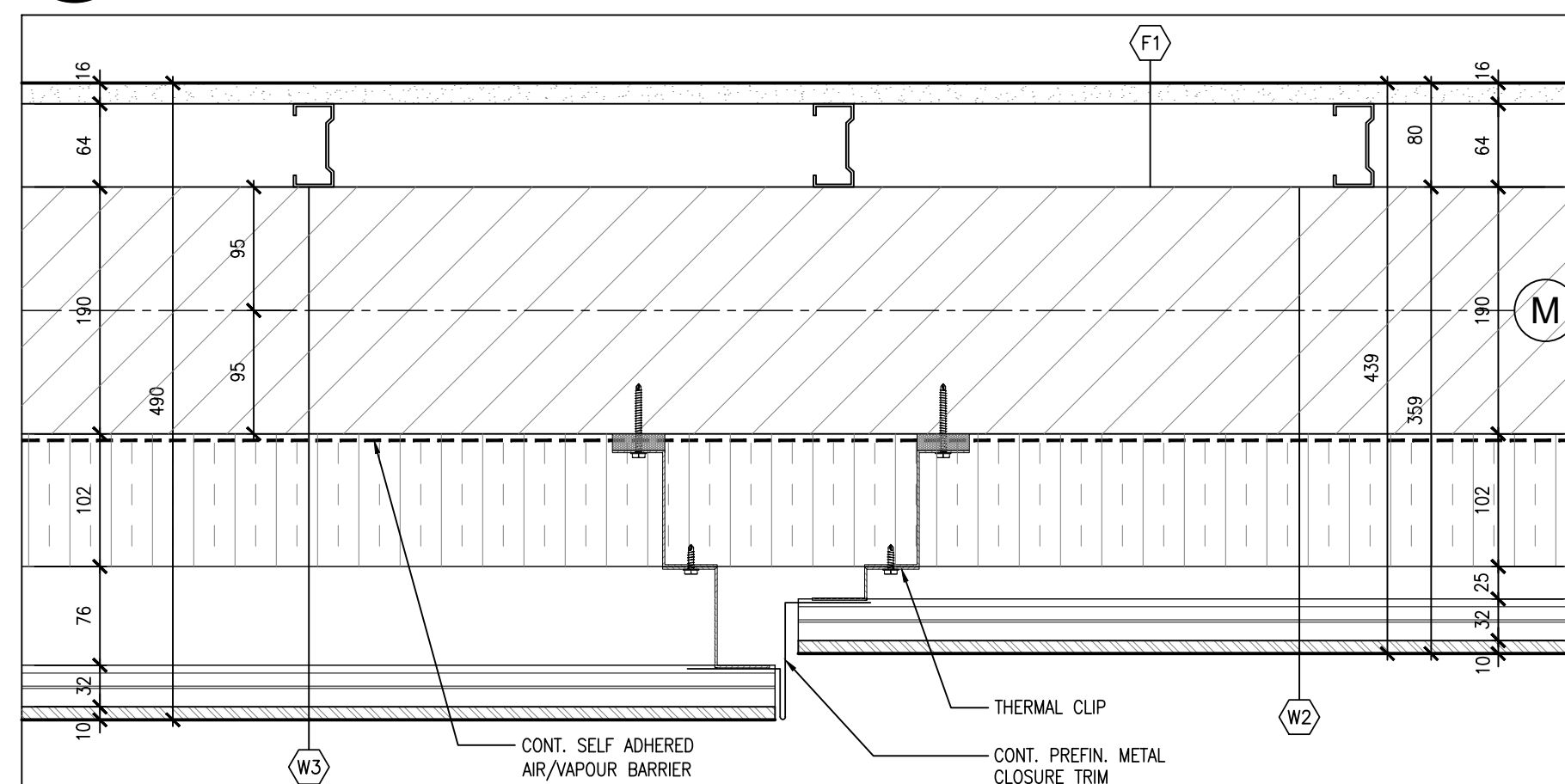
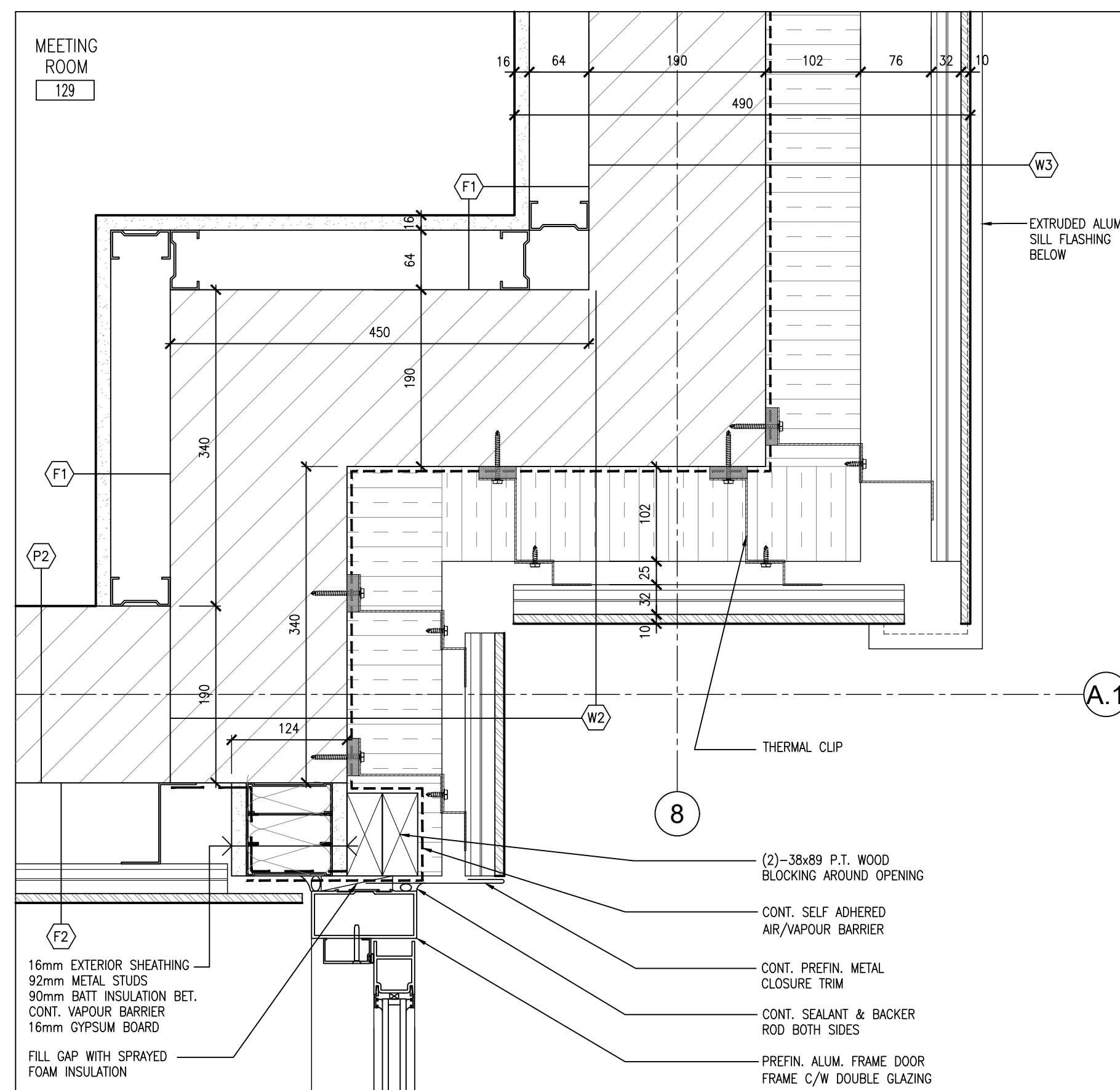
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

PROJECT NO. _____

24015

	DRAWING NO
--	------------

A504



DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

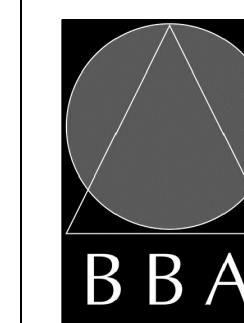
NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
PLAN DETAILS



**BARRY BRYAN
ASSOCIATES**
Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbs@bbs-archeng.com

DESIGN BY: BBA	DOC CONTROL: DATE:
DRAWN BY: NV	% COMPLETE:
CHECKED BY:	INITIAL:
DATE: OCT. 2024	
SCALE: AS NOTED	
FILE: 24015 A601	

PROJECT NO. _____

24015

	DRAWING NO
--	------------

A604



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN. 22, 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY

DRAWING NO:
A602

8 WALL BASE @ WASHROOM

7 VANITY - BARRIER FREE

 INTERIOR ELEVATION - WASHROOM 120

6 BARRIER FREE MOUNTING HEIGHT REQUIREMENTS

3 INTERIOR ELEVATION - FEMALE WASHROOM 119

8 WASHROOM ACCESSORY SCHEDULE

5 INTERIOR ELEVATION - MALE WASHROOM 122

2 INTERIOR ELEVATION - UNIVERSAL WASHROOM 116

1 INT. ELEV. WASHROOM 109

DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

[illegible][illegible]

NO.	REVISIONS	DATE	BY

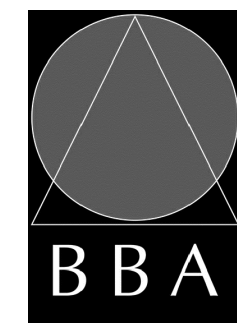
PROJECT:

MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

WASHROOM INTERIOR ELEVATIONS



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

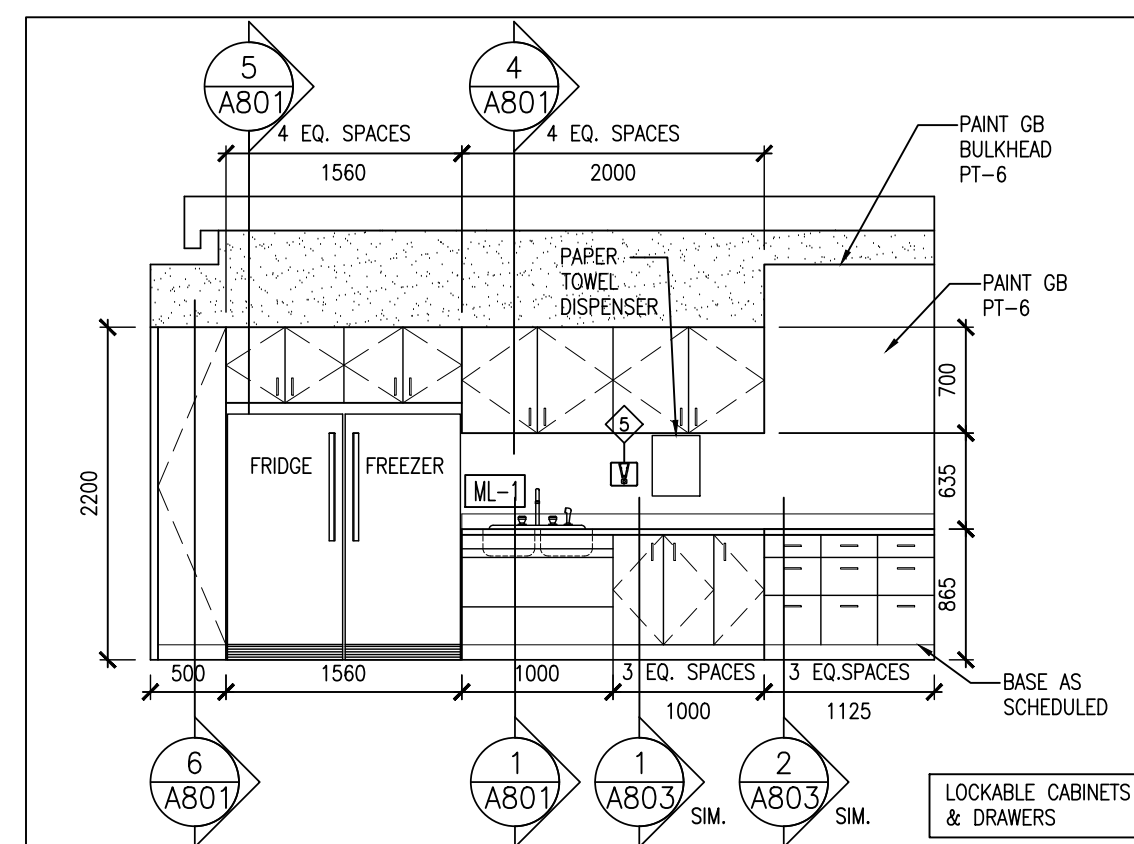
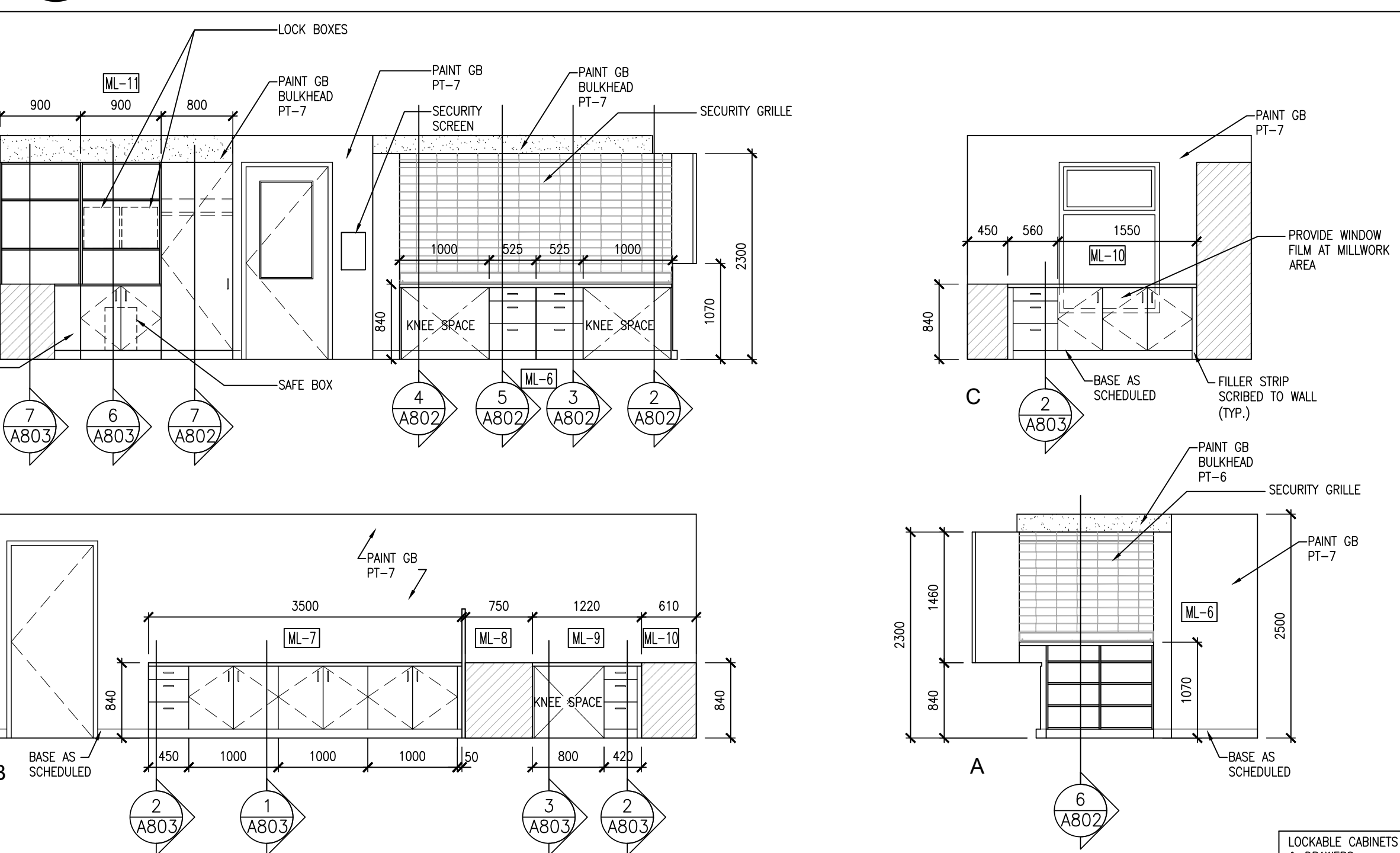
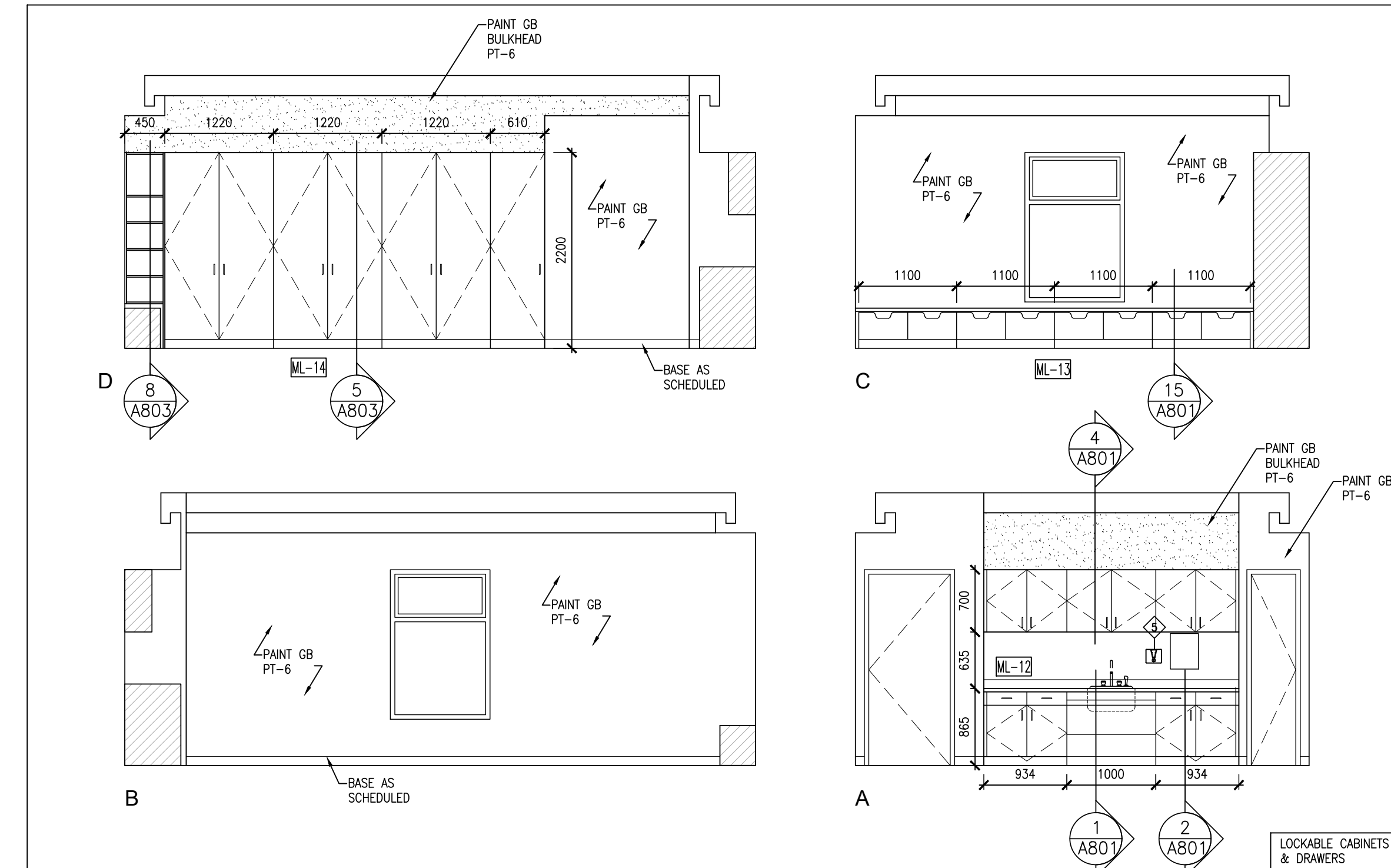
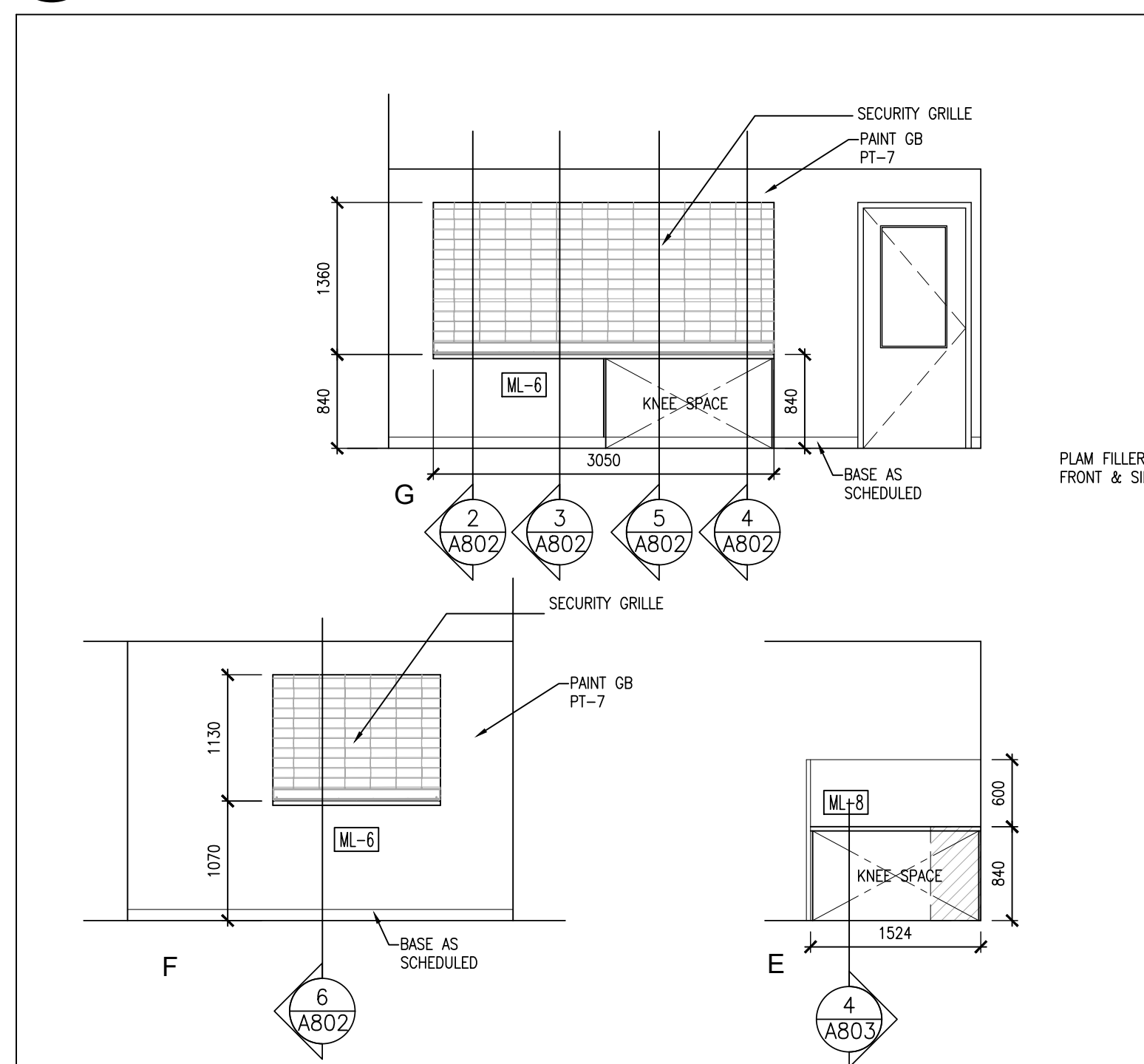
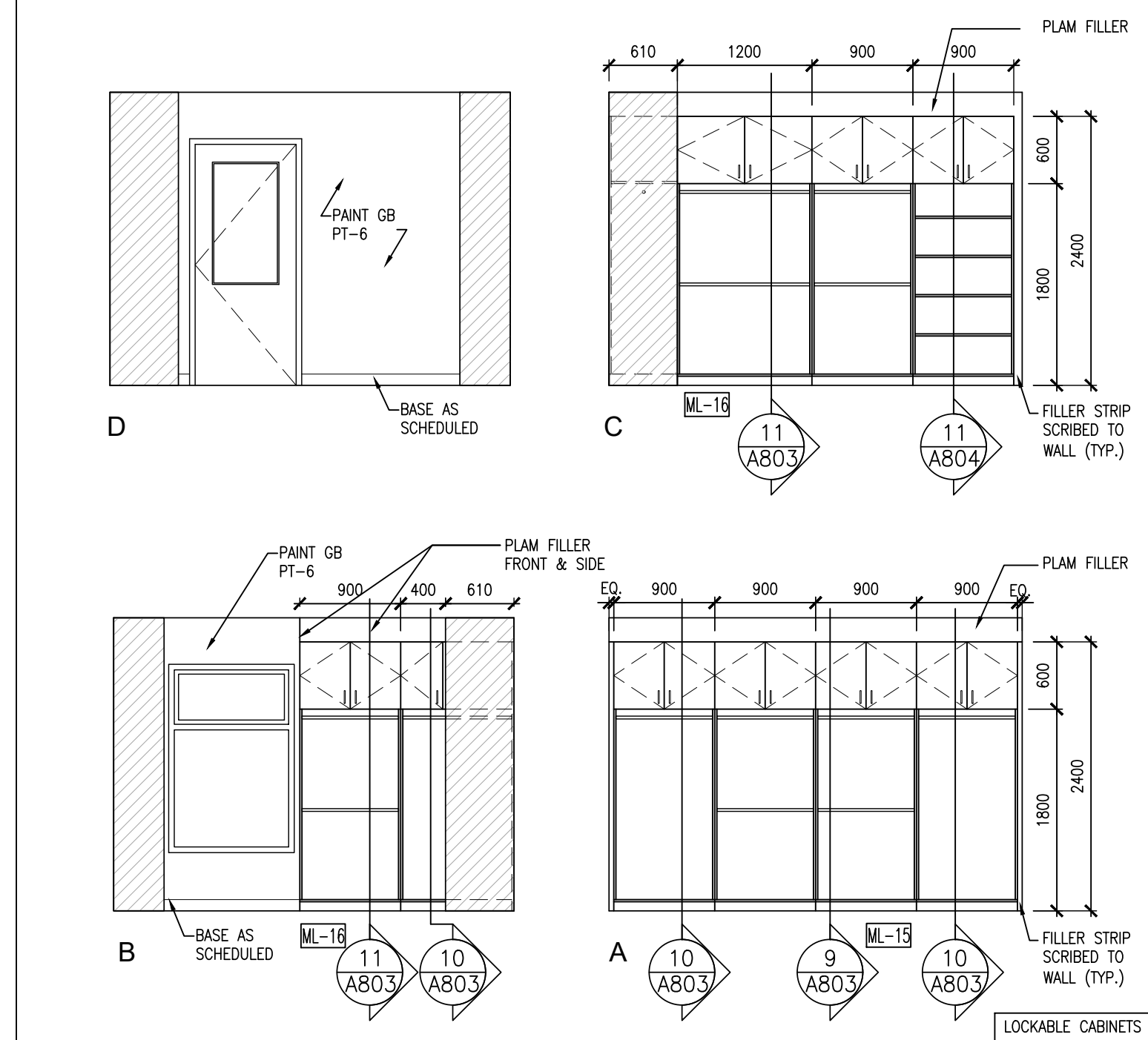
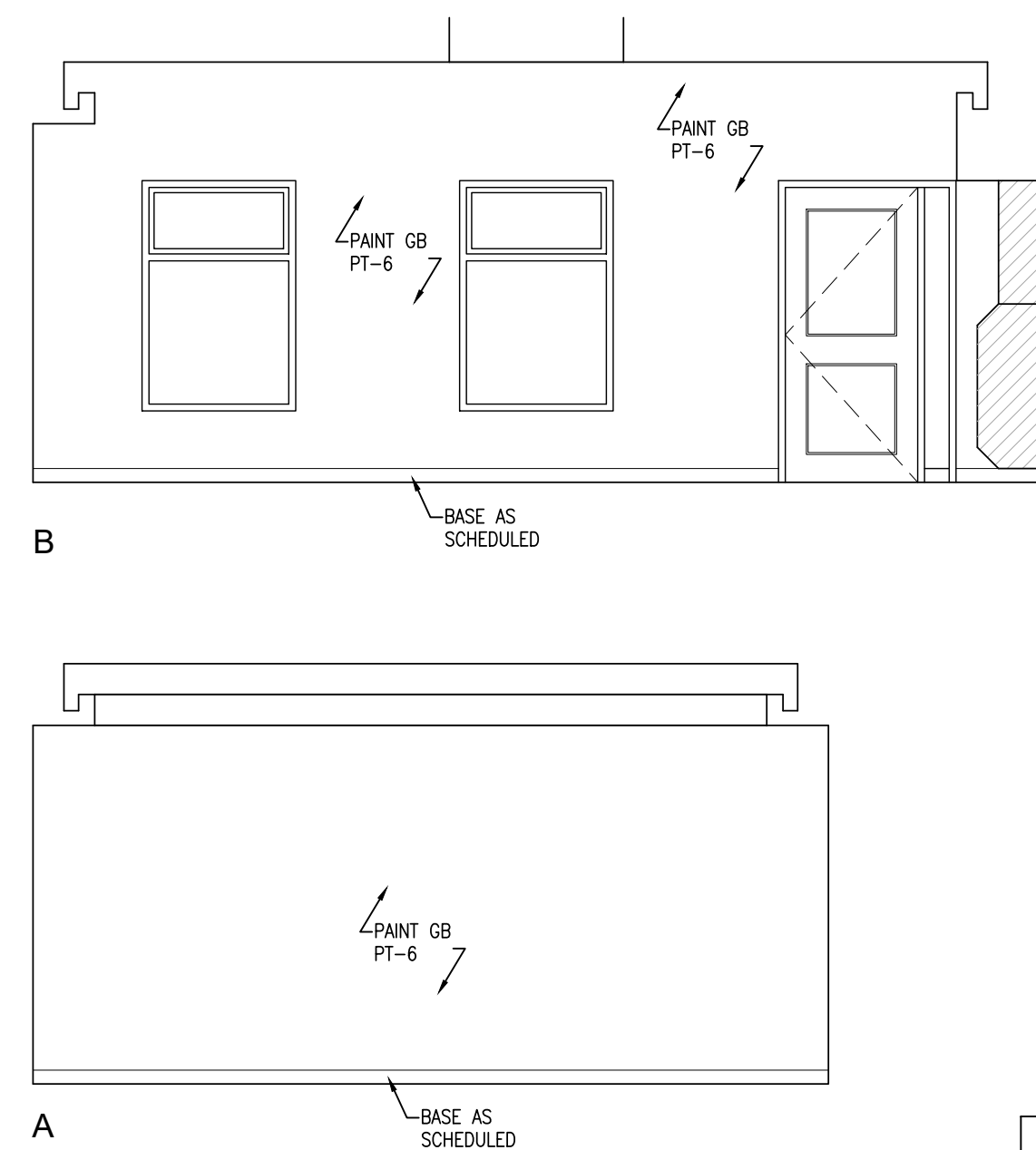
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@oba-archeng.com

PROJECT NO.

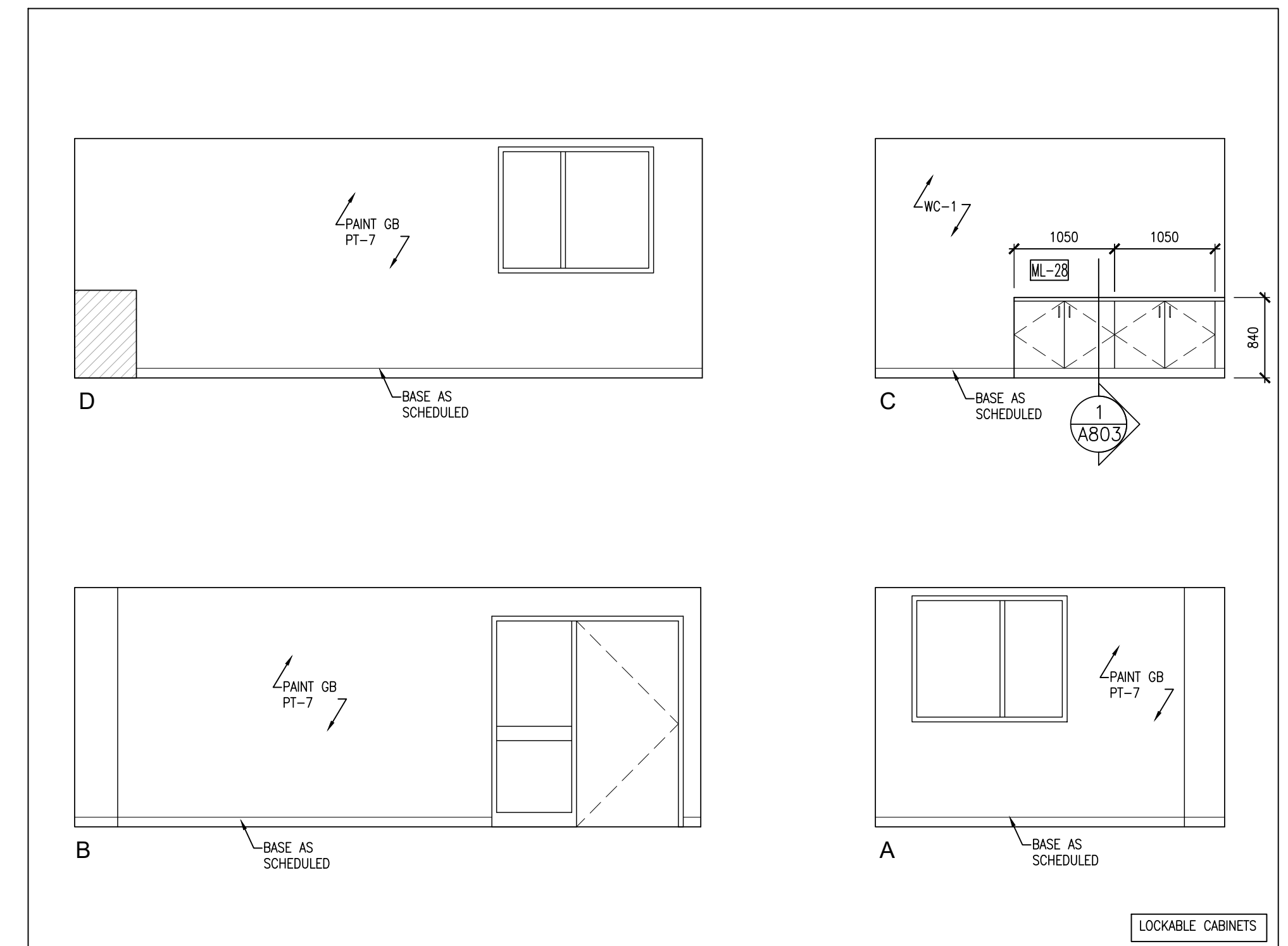
24015

DRAWING NO:

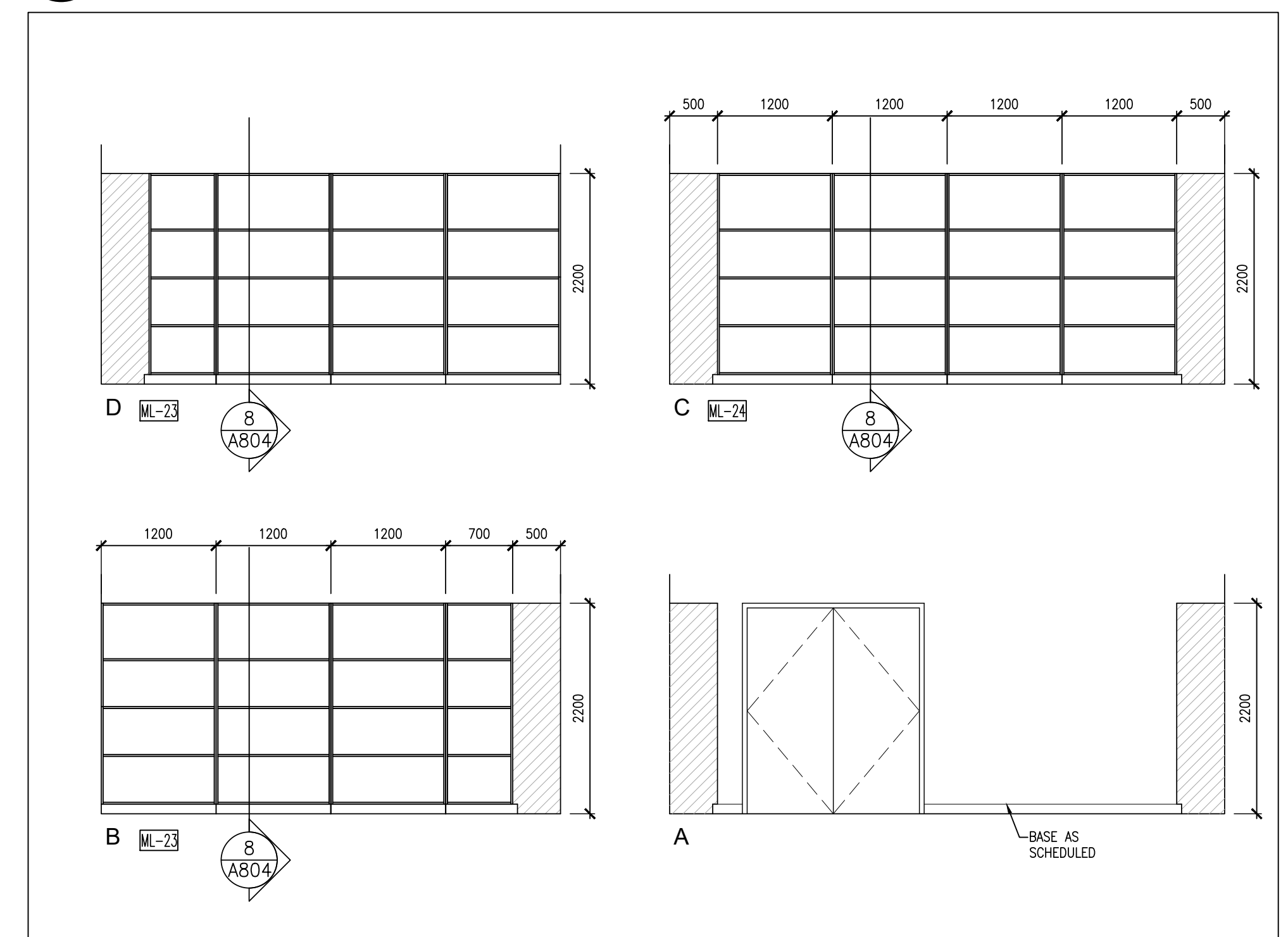
A701



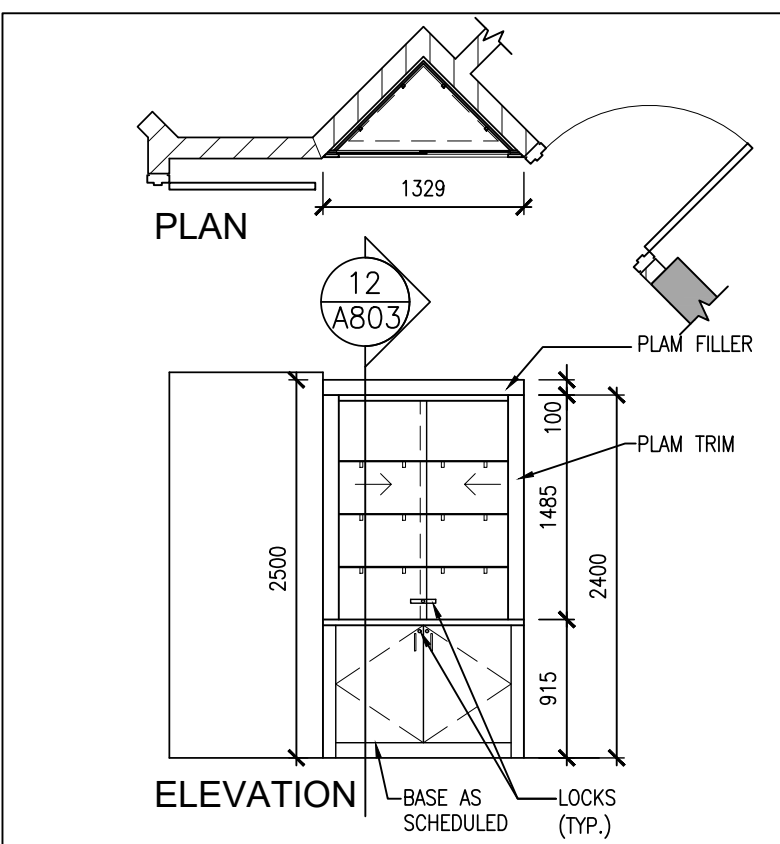
DRAWING NO:
A702



8 MEETING ROOM 129 INTERIOR ELEVATION
A703 1 : 50



6 STORAGE 124 INTERIOR ELEVATION
A703 1:50



Technical drawing of a wall section showing a grid of 4x4 panels. The total height is 2500 and the total width is 2025. The drawing includes dimensions for the grid (1025 x 1025), a filler strip at the bottom, and a note "FILLER STRIP SCREWED TO WALL (TYP.)". A label "ML-23" is present in the bottom left corner.

Technical drawings of Lockable Cabinet models B and A.

Model B: Dimensions include 1225 (width), 685 (width), 450 (width), 2200 (height), 915 (height), and 10 (width). Callouts include PAINT GB PT-6 and ML-22.

Model A: Dimensions include 450 (width), 230 (width), 1200 (width), 1345 (width), 2200 (height), 915 (height), and 10 (width). Callouts include PAINT GB PT-6 and ML-22.

LOCKABLE CABINETS

Technical drawing of a window unit. The drawing shows a rectangular frame with a grid of panes. Dimensions are indicated: three horizontal segments of 900 each, and a vertical segment of 2200. Labels include: PAINT GB PT-6 (pointing to the top frame), MILL-20 (pointing to the bottom frame), 8 (pointing to the grid), and FILLER STRIP SCRIBED TO WALL (TYP.) (pointing to the bottom frame).

1 JANITOR 110 INTERIOR ELEV.
A703 1 : 50



Date	Time	Location	Weather	Temperature	Humidity	Wind Speed	Wind Direction	Notes
2023-10-27	08:00	Forest A	Clear	15°C	65%	5 km/h	SE	Initial observation
2023-10-27	09:30	Forest A	Clear	18°C	60%	8 km/h	SE	Bird sighting
2023-10-27	11:00	Forest A	Clear	20°C	55%	10 km/h	SE	Insect activity
2023-10-27	13:30	Forest A	Clear	22°C	50%	12 km/h	SE	Plant growth
2023-10-27	15:00	Forest A	Clear	20°C	55%	10 km/h	SE	Soil moisture
2023-10-27	16:30	Forest A	Clear	18°C	60%	8 km/h	SE	Fungal growth
2023-10-27	18:00	Forest A	Clear	15°C	65%	5 km/h	SE	Nocturnal activity
2023-10-27	20:00	Forest A	Clear	12°C	70%	3 km/h	SE	Moon phase
2023-10-28	06:00	Forest A	Clear	10°C	75%	2 km/h	SE	Dawn observations
2023-10-28	07:30	Forest A	Clear	12°C	70%	3 km/h	SE	Bird activity
2023-10-28	09:00	Forest A	Clear	15°C	65%	5 km/h	SE	Insect activity
2023-10-28	10:30	Forest A	Clear	18°C	60%	8 km/h	SE	Plant growth
2023-10-28	12:00	Forest A	Clear	20°C	55%	10 km/h	SE	Soil moisture
2023-10-28	13:30	Forest A	Clear	22°C	50%	12 km/h	SE	Fungal growth
2023-10-28	15:00	Forest A	Clear	20°C	55%	10 km/h	SE	Nocturnal activity
2023-10-28								

DRAWING:
INTERIOR ELEVATIONS



PROJECT NO: **24015**



PROJECT NO:	DRAWING NO:
24015	A801



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

[illegible]

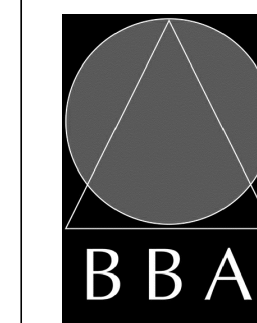
NO.	REVISIONS	DATE	BY

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
MILLWORK



**BARRY BRYAN
ASSOCIATES**
Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbs@bbs-archeng.com

DESIGN BY: BBA	DOC CONTROL: DATE:
DRAWN BY: N/V	% COMPLETE:
CHECKED BY:	INITIAL:

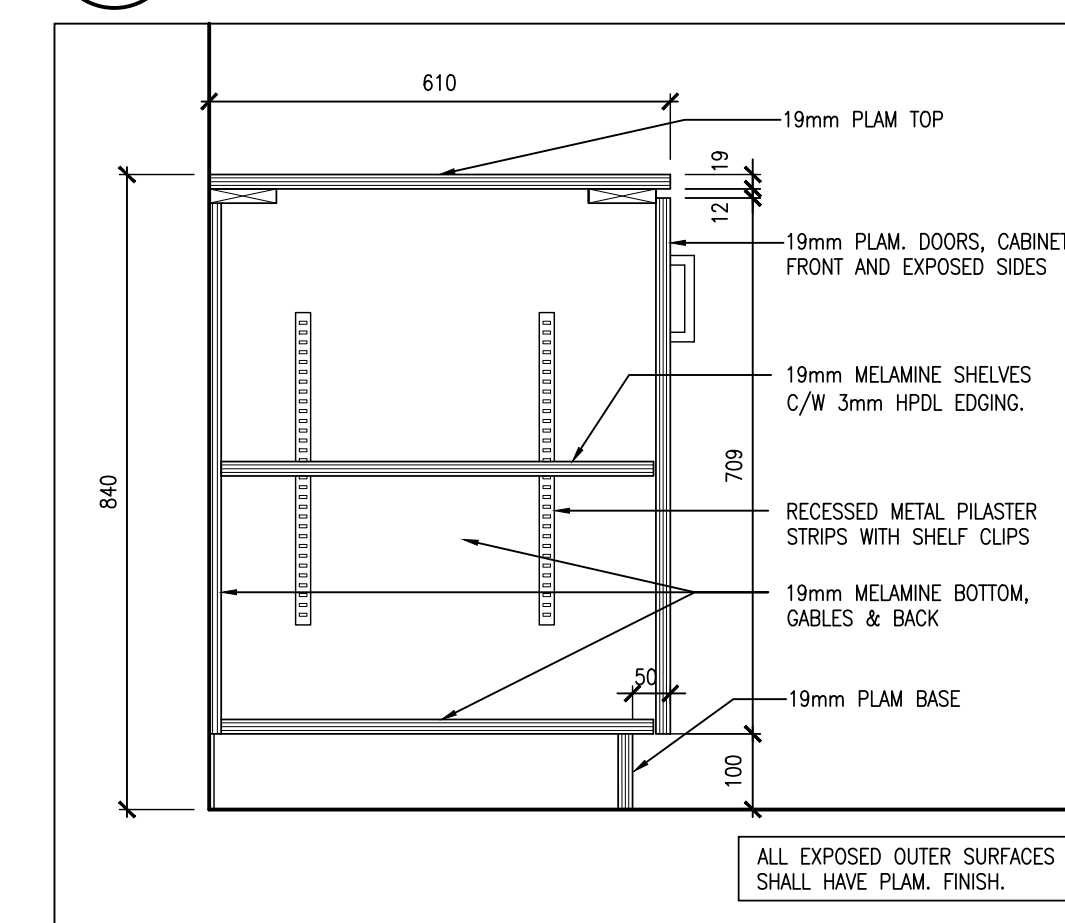
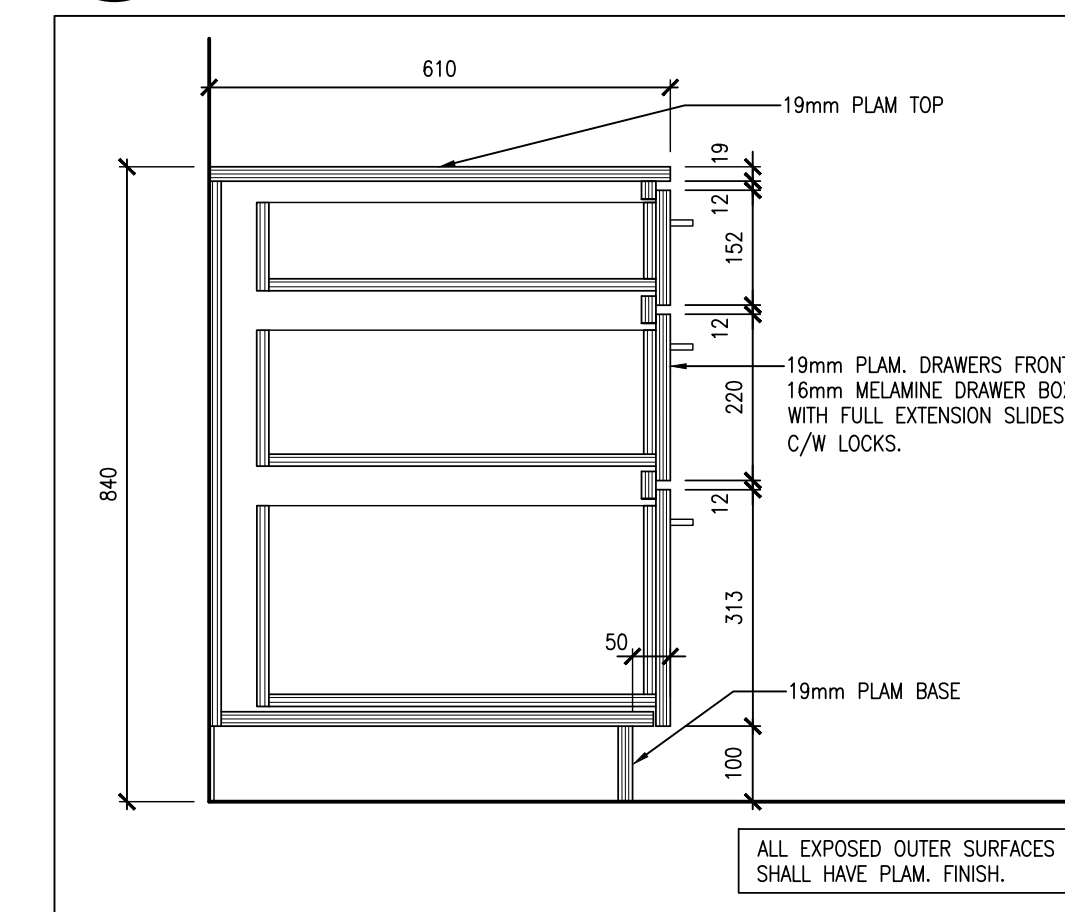
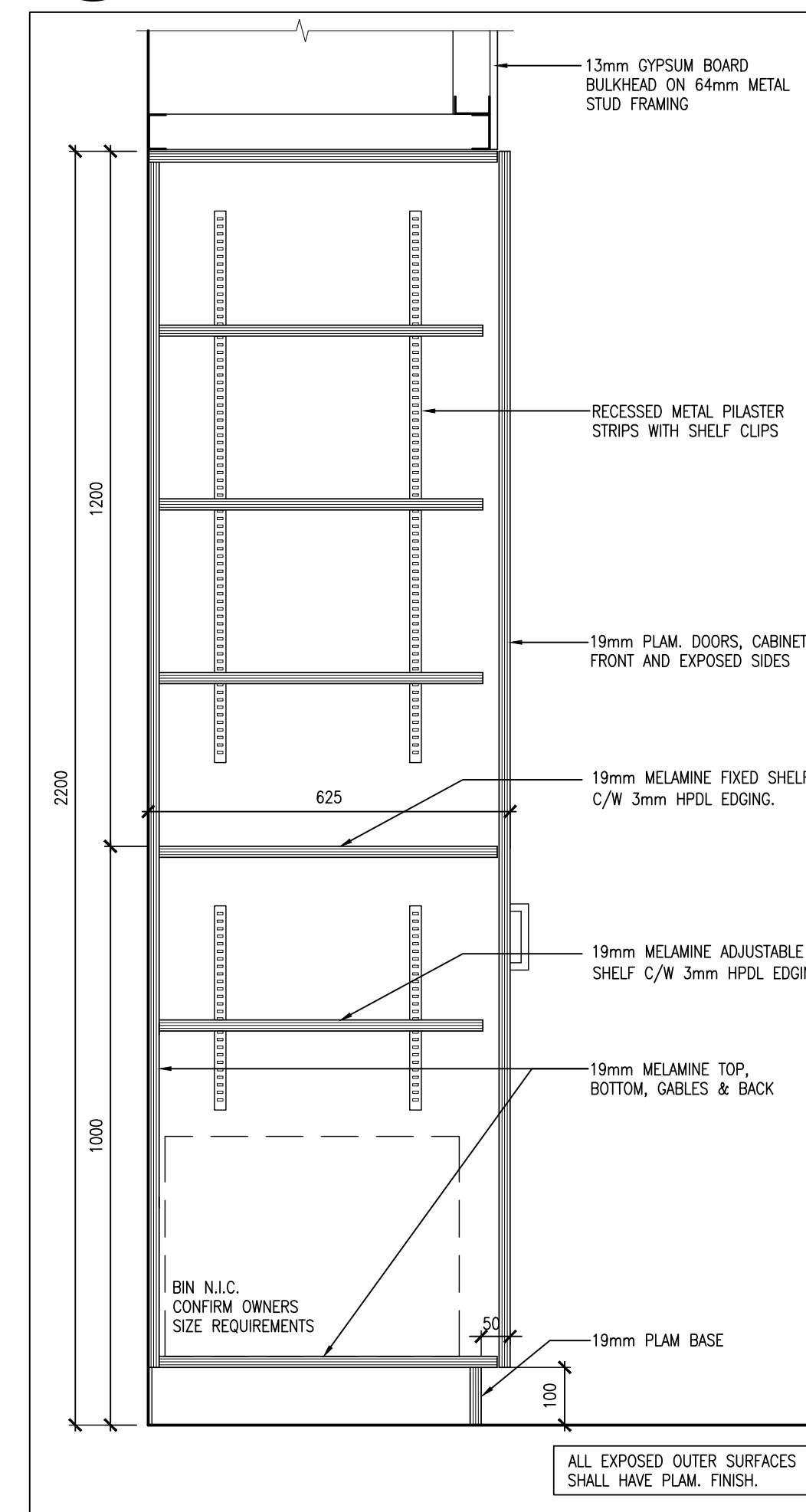
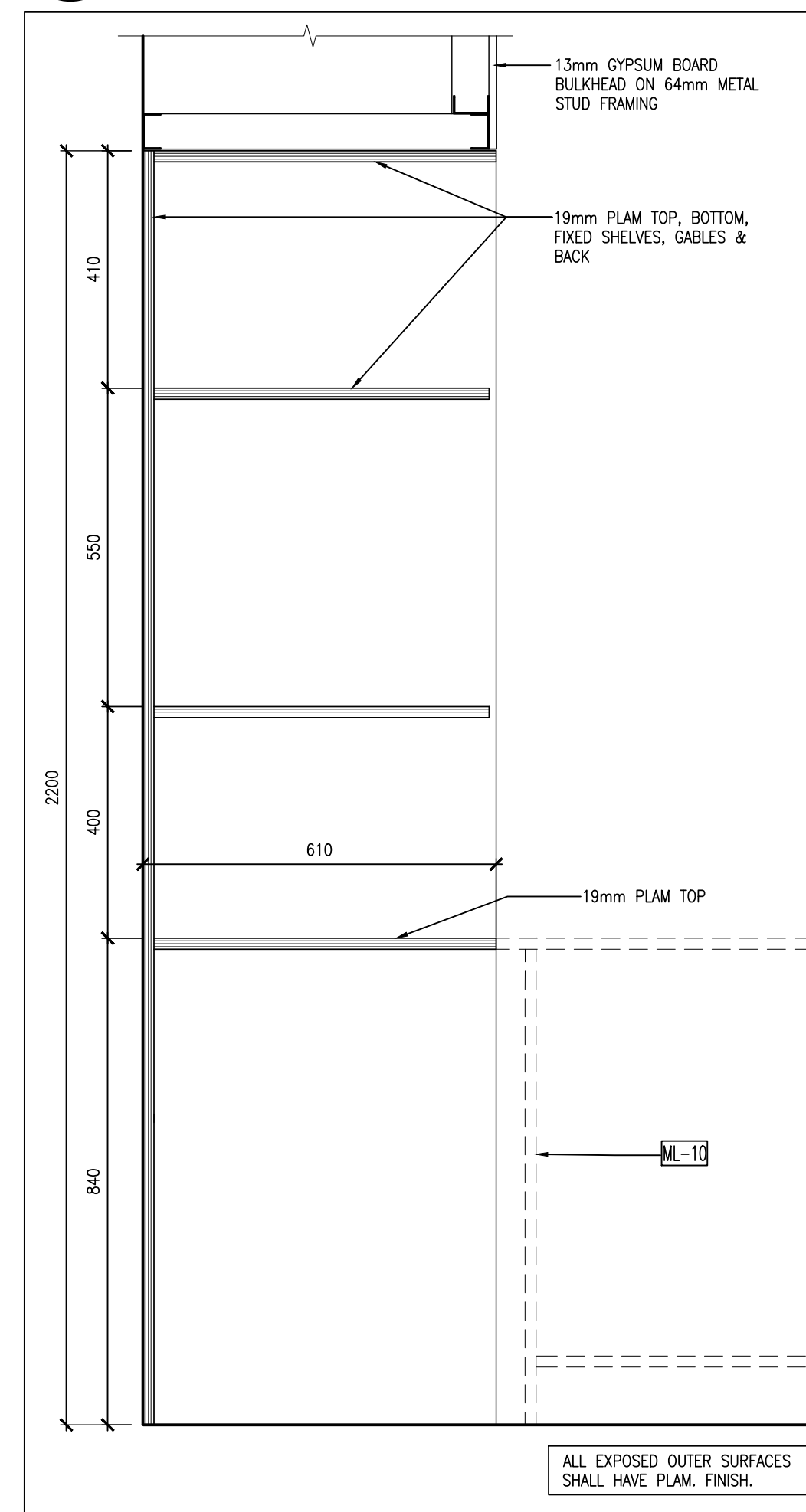
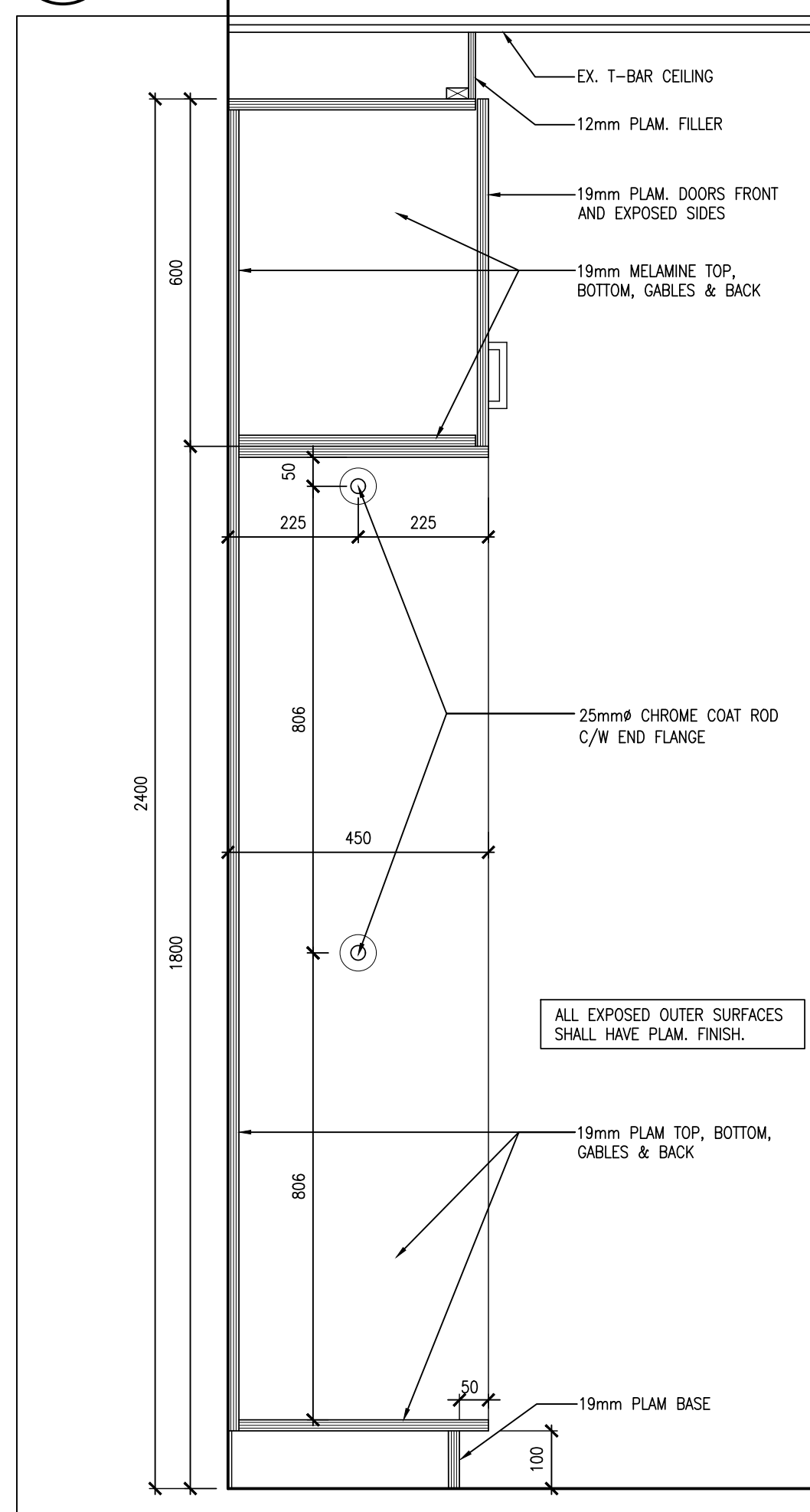
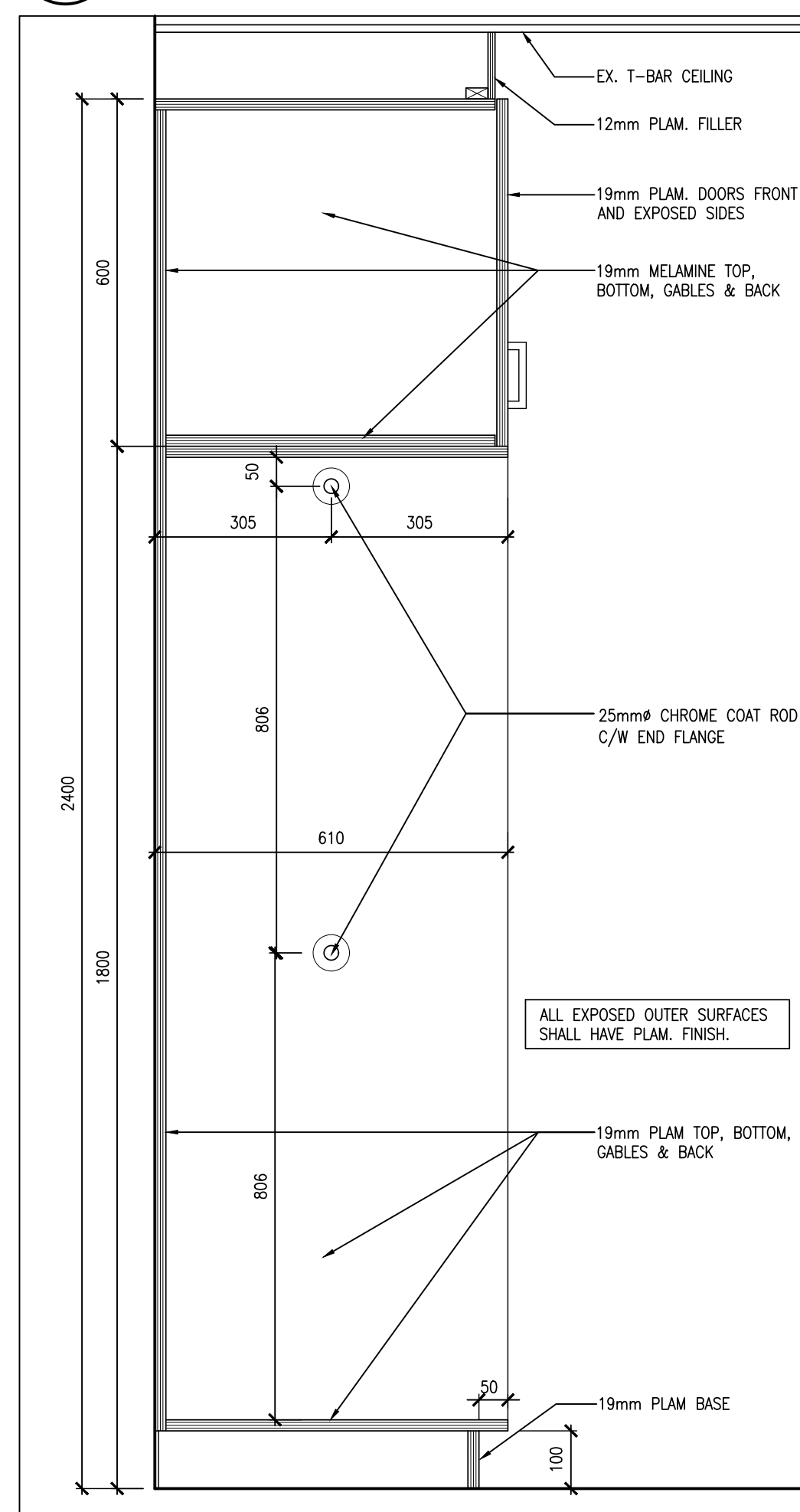
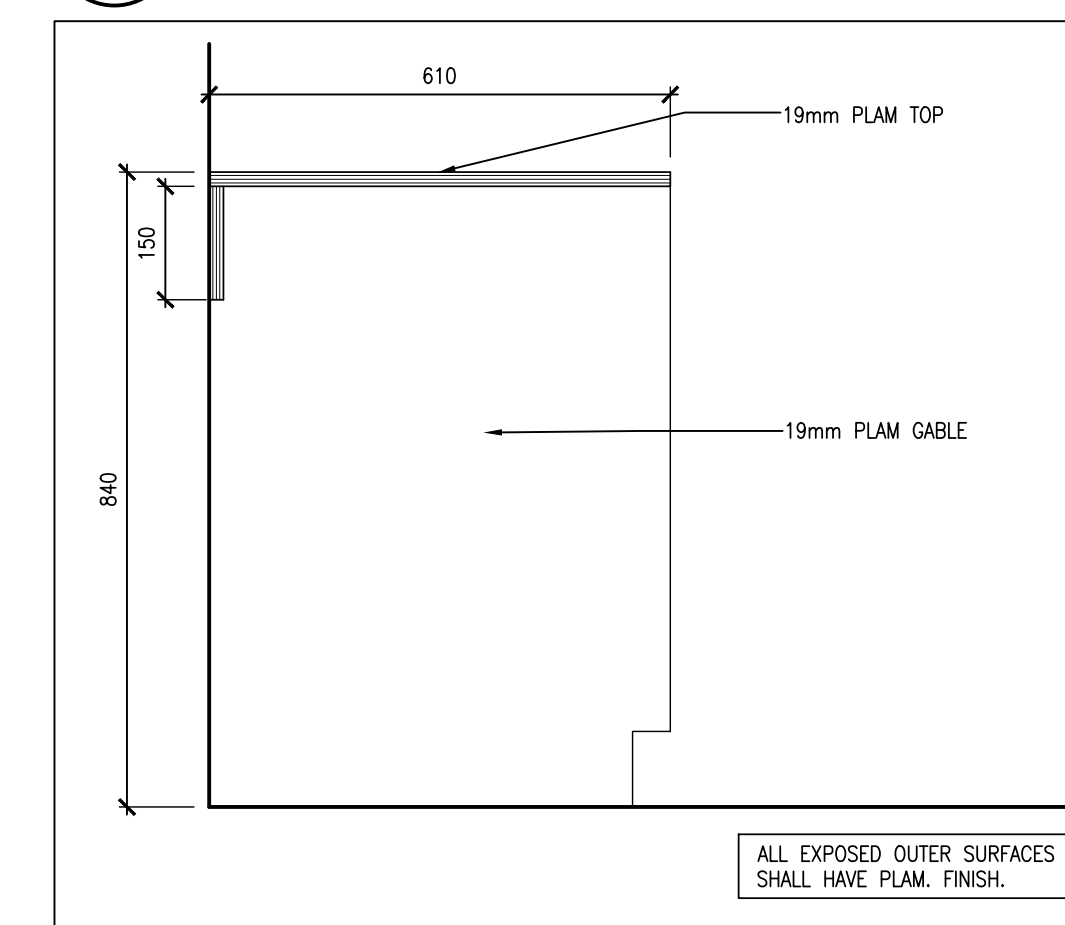
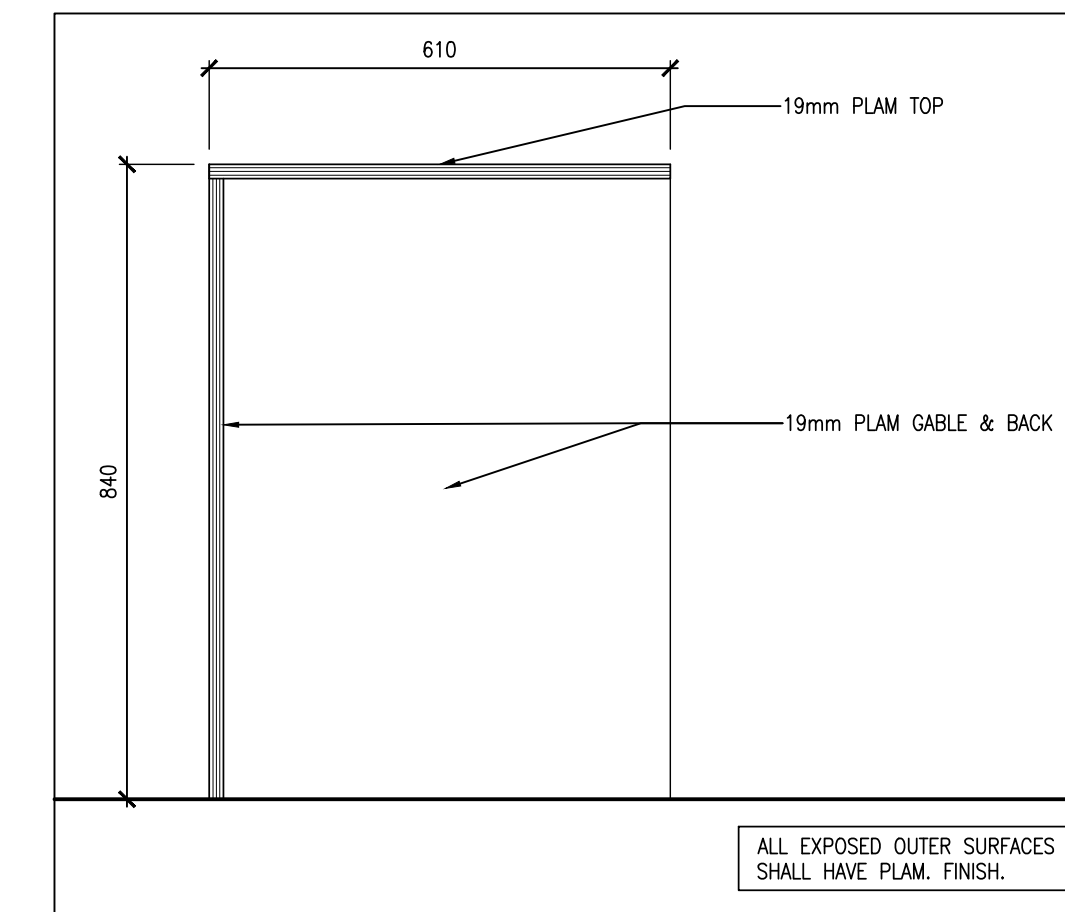
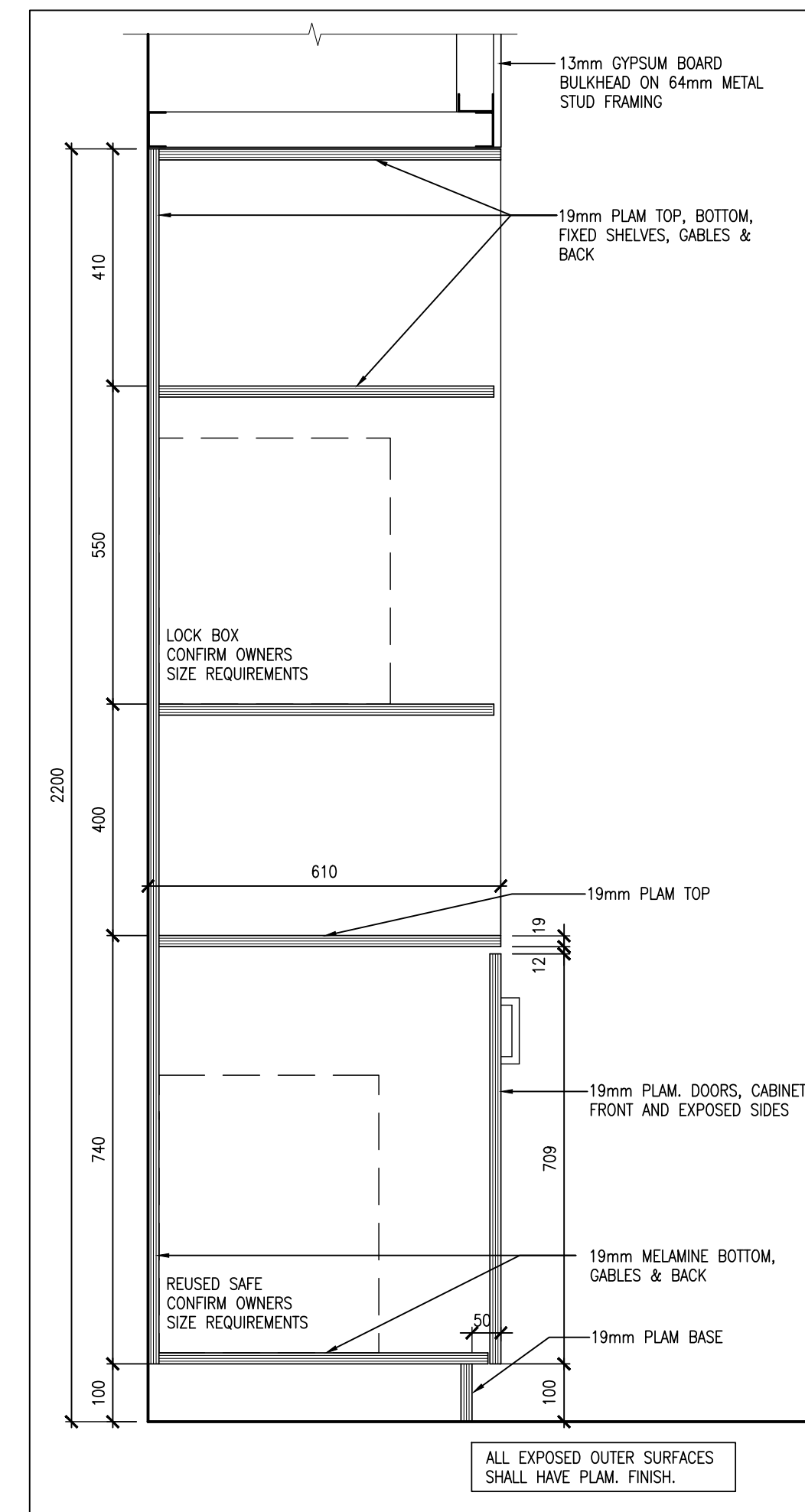
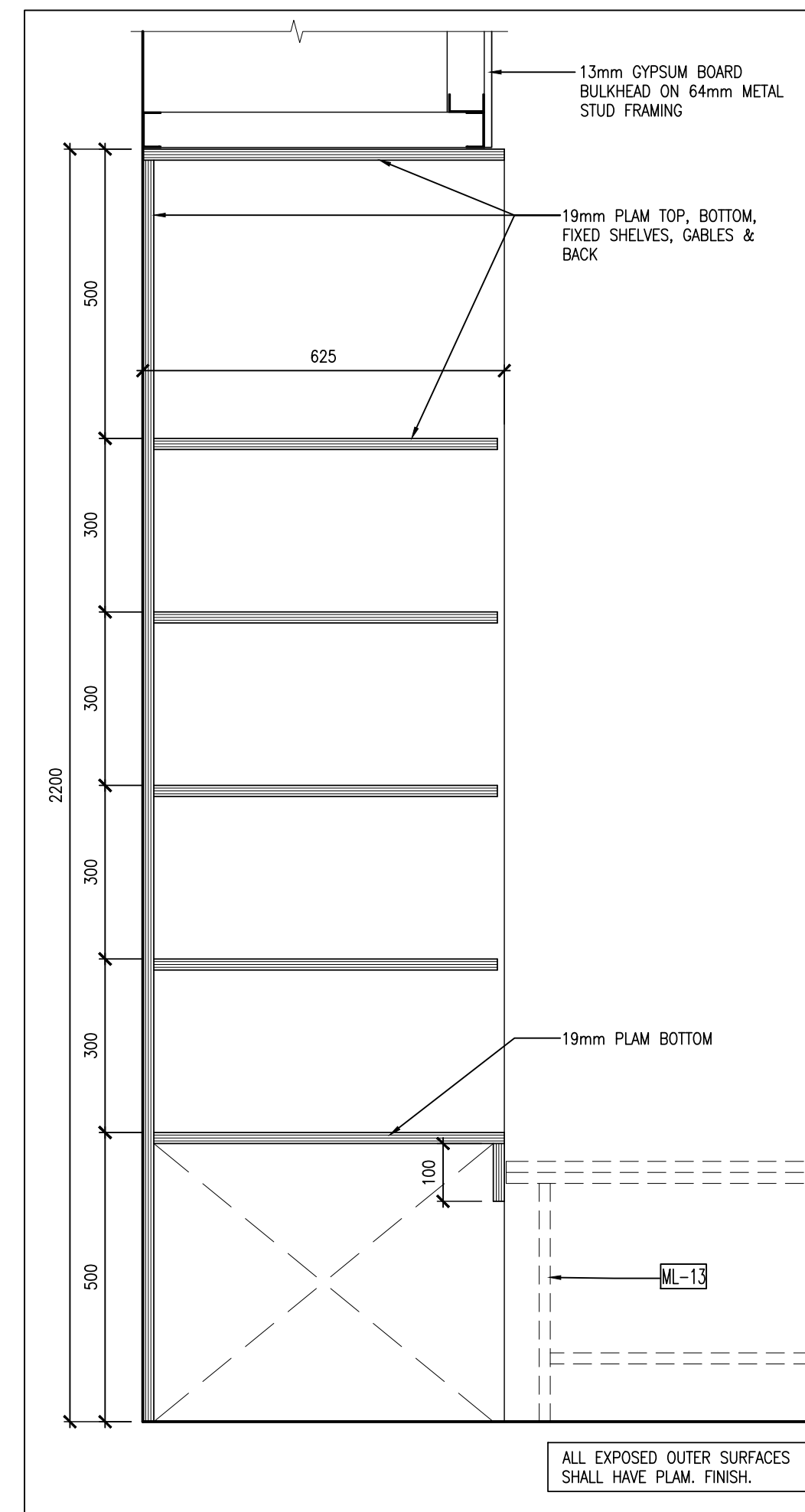
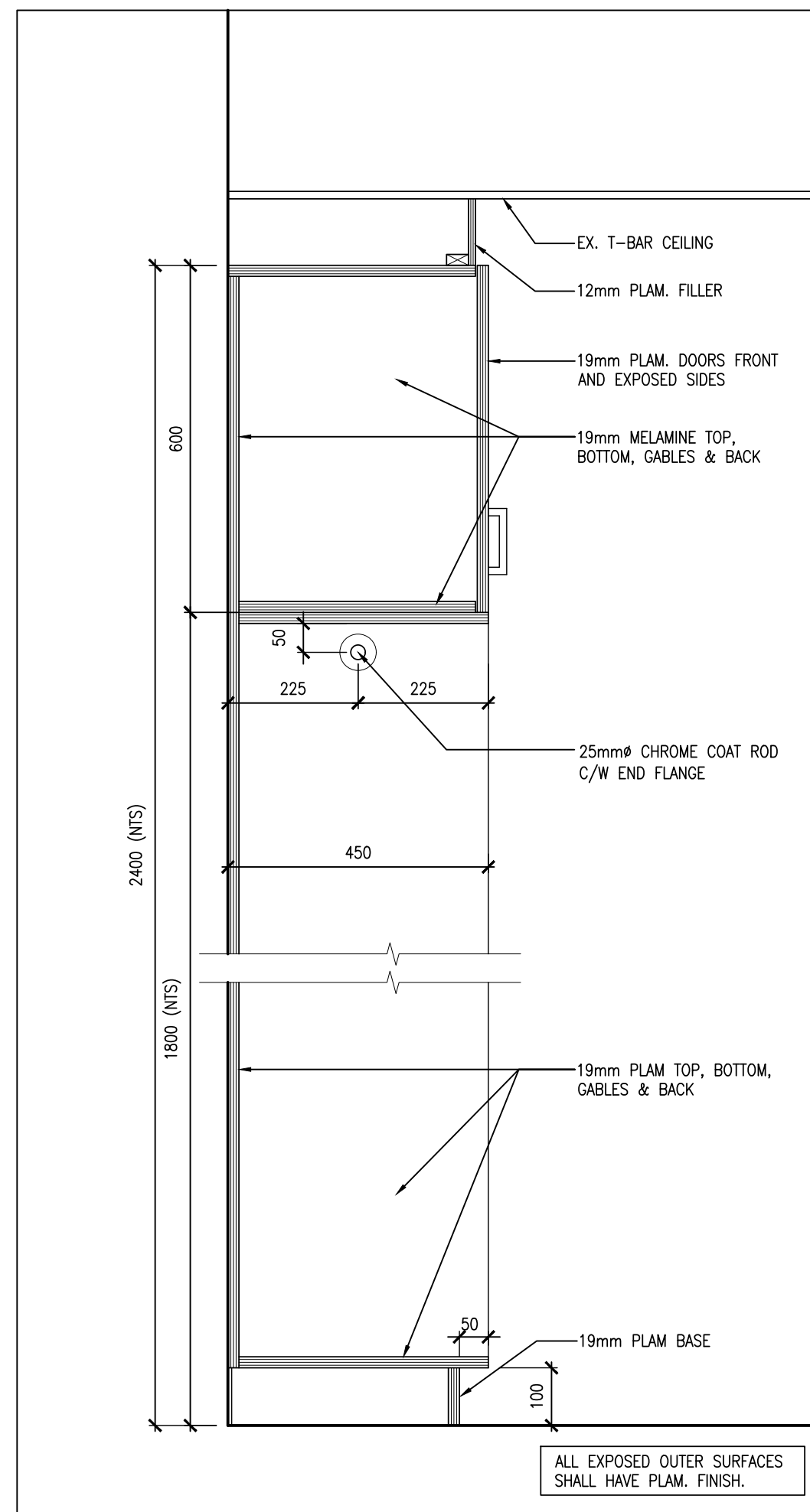
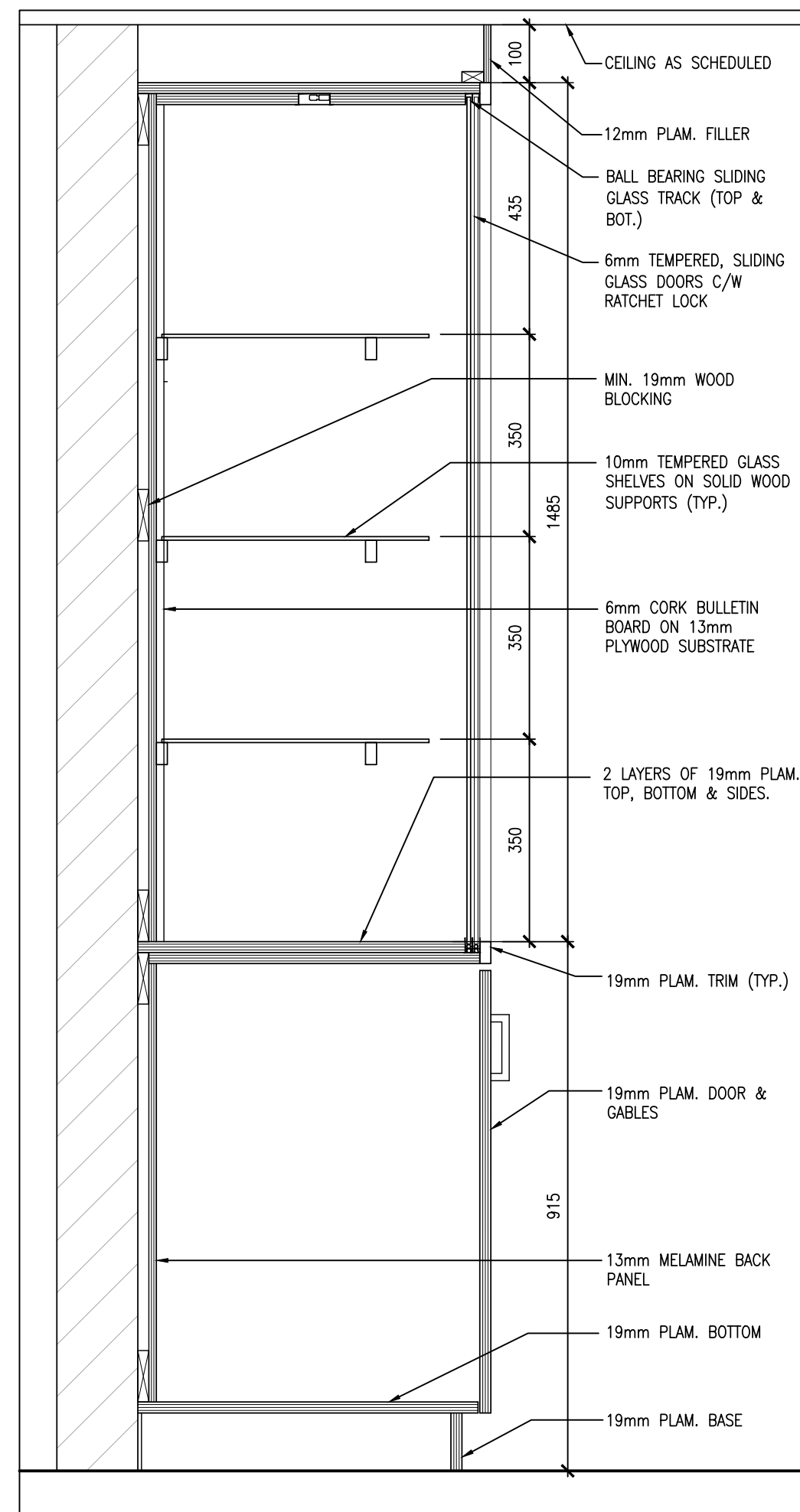
DATE:	
SCALE:	
1:50	
FILE:	

PROJECT NO.

24015

DRAWING NO.

A801



DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

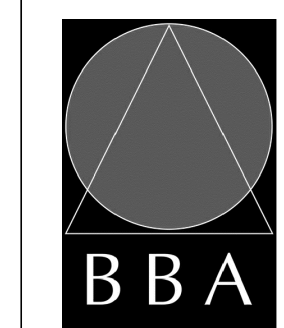
NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
MILLWORK

BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbs@bbs-archeng.com

DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: N/V	% COMPLETE:
CHECKED BY:	INITIAL:

DATE:	
-------	--

SCALE:
1:50

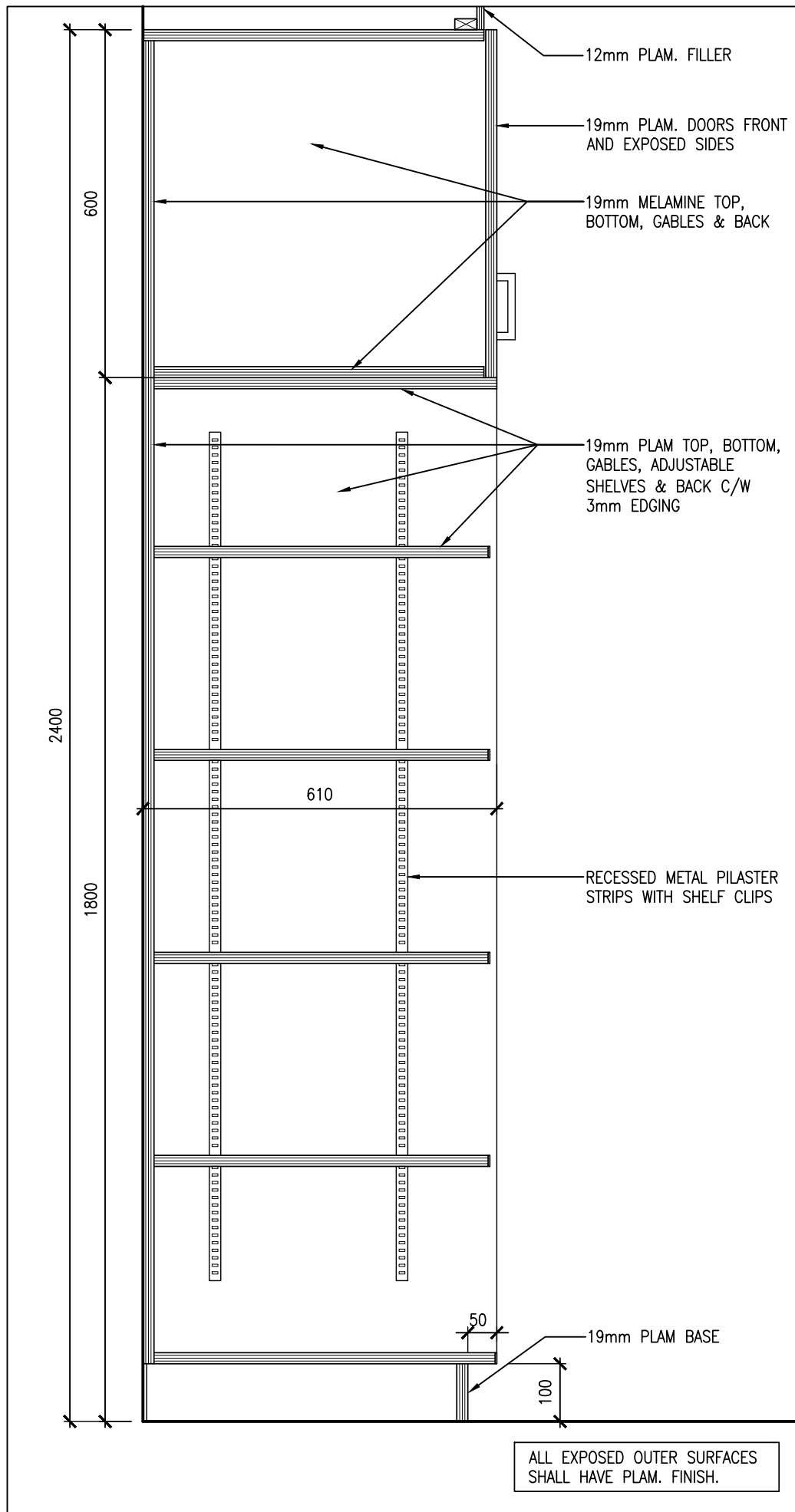
FILE:
24015 A803

PROJECT NO:

24015

DRAWING NO:

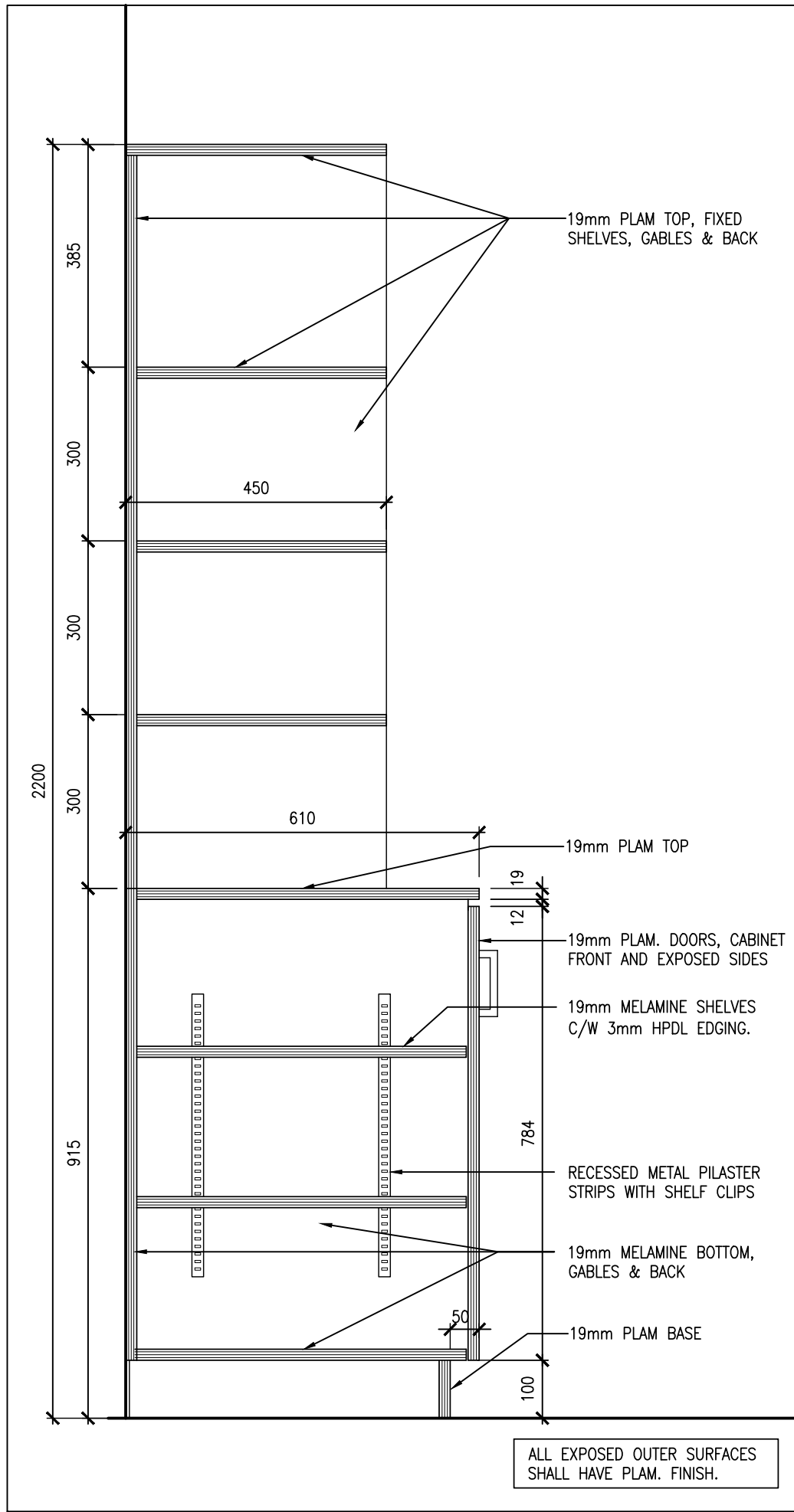
A803



11
A804

OPEN SHELVES

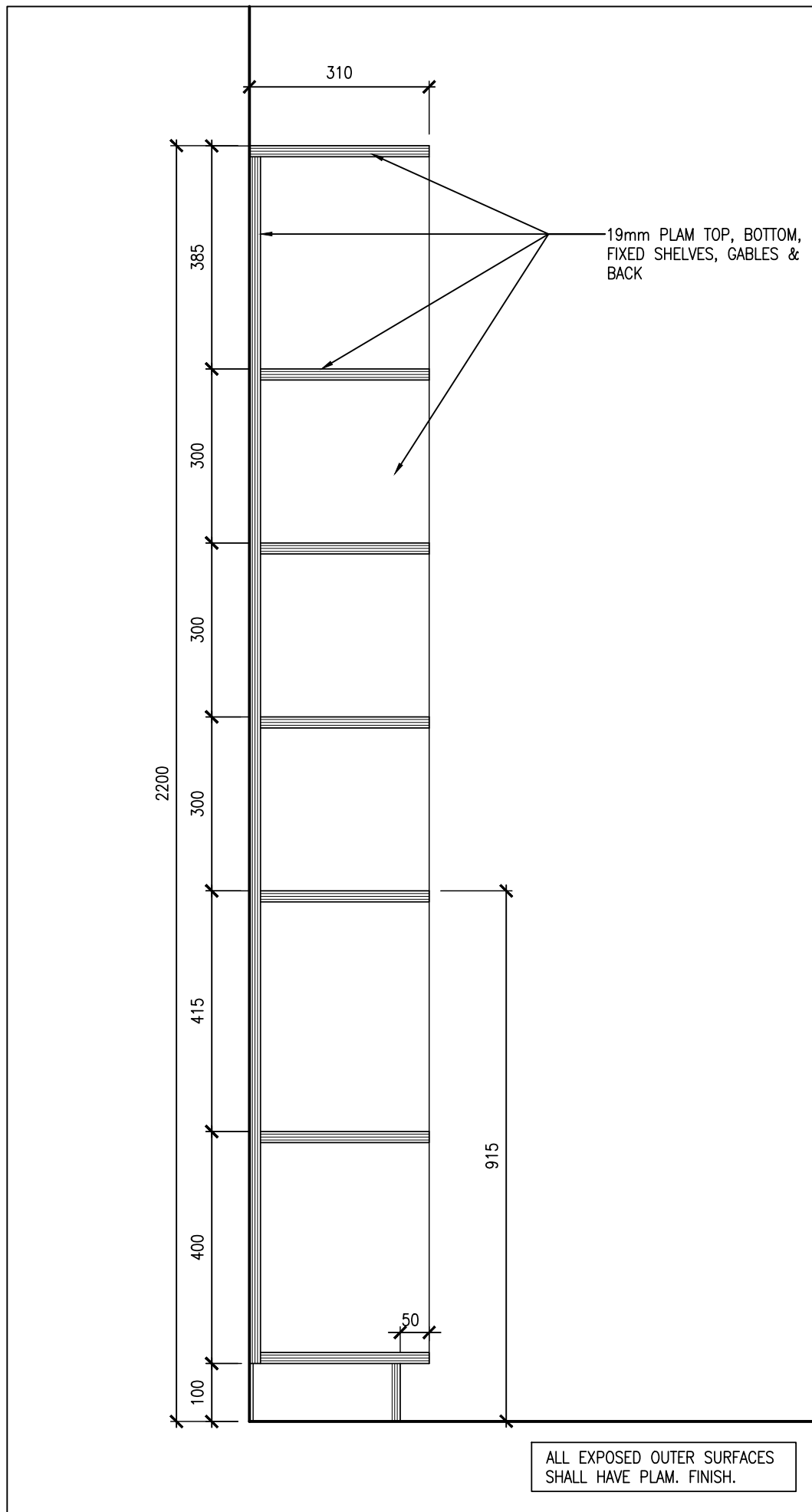
1:10



10
A804

CABINET W/ SHELVES

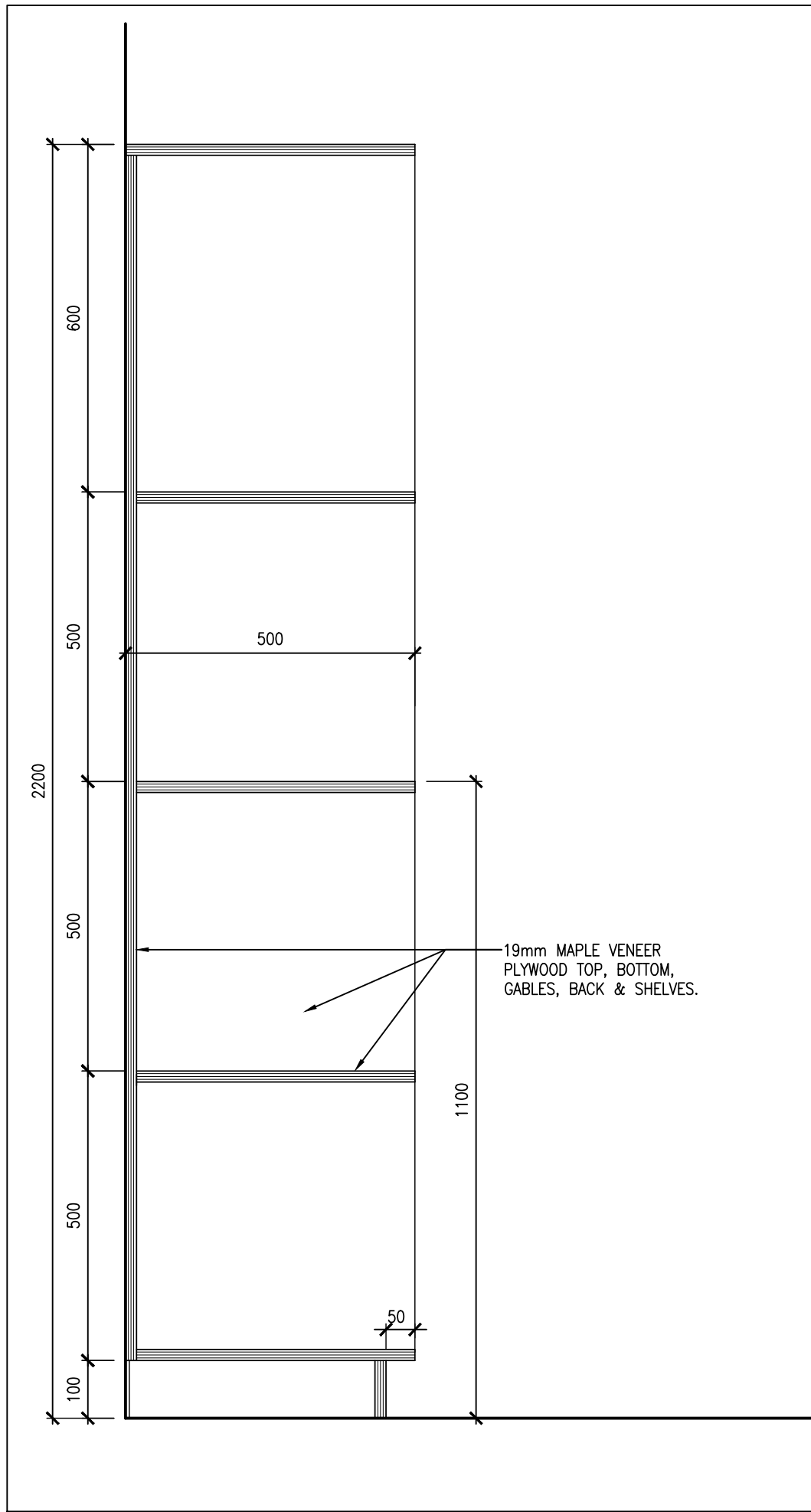
1:10



9
A804

FIXED SHELVES

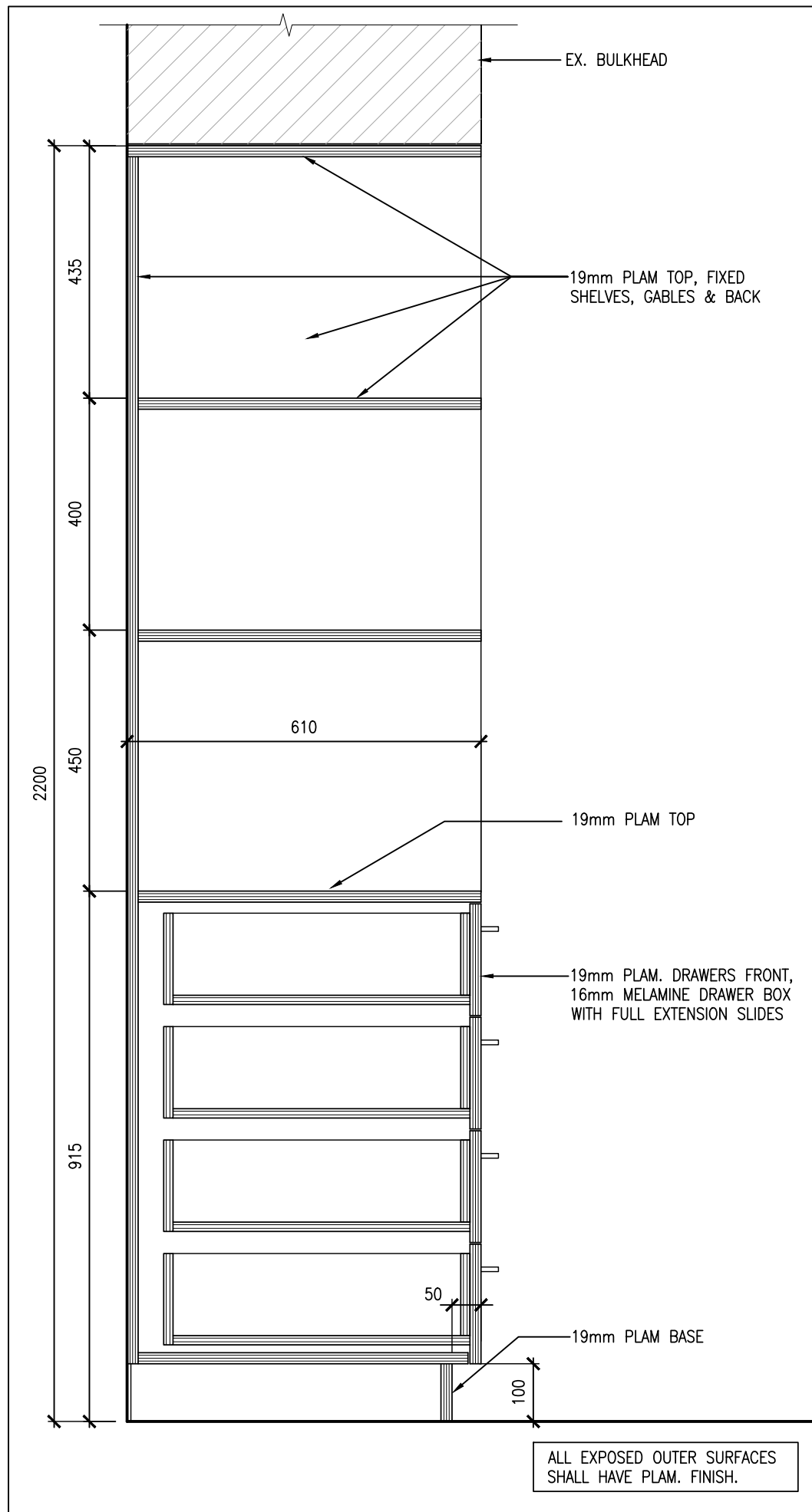
1:10



8
A804

FIXED STORAGE SHELVES

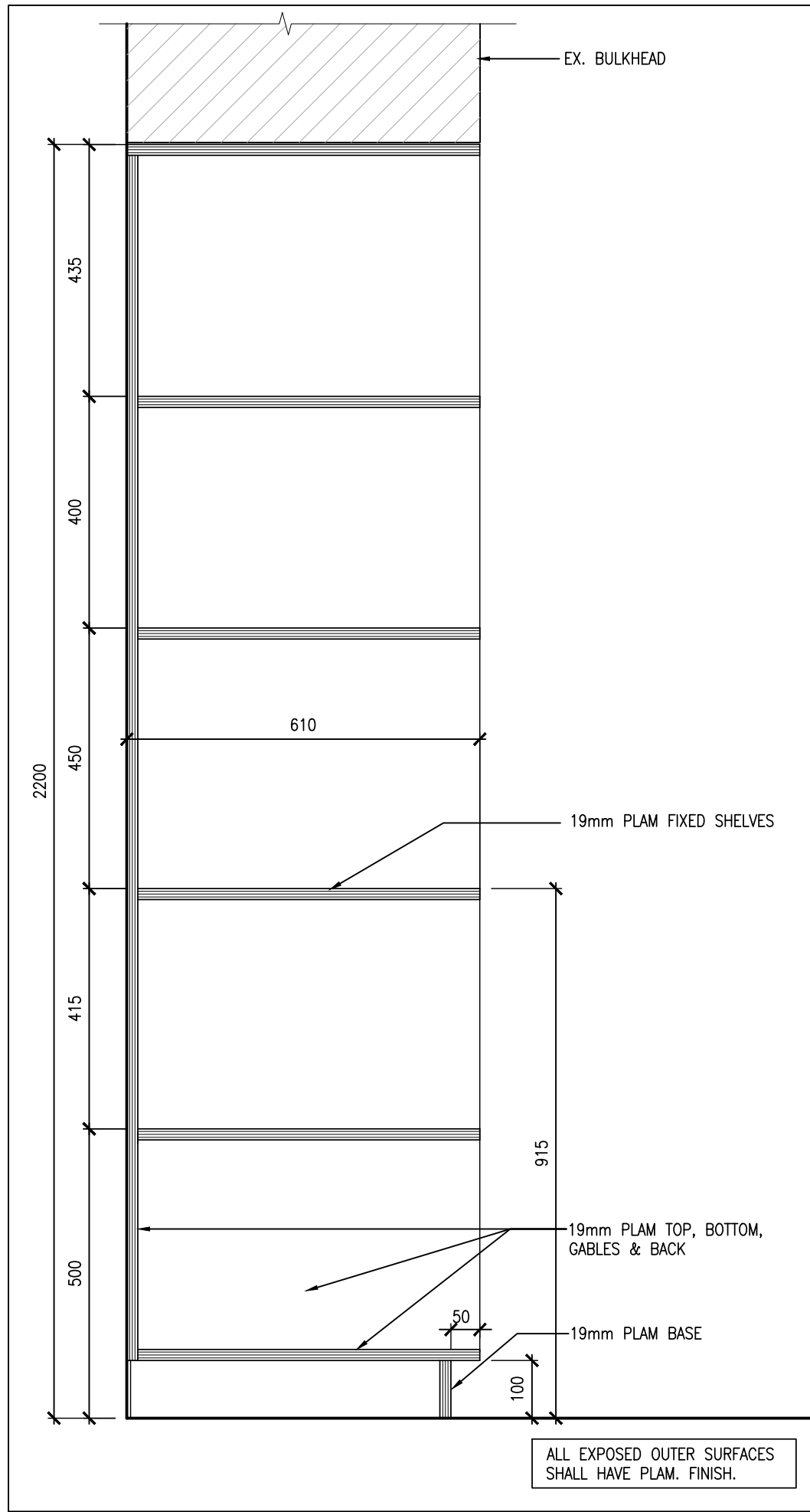
1:10



7
A804

DRAWERS & FIXED SHELVES

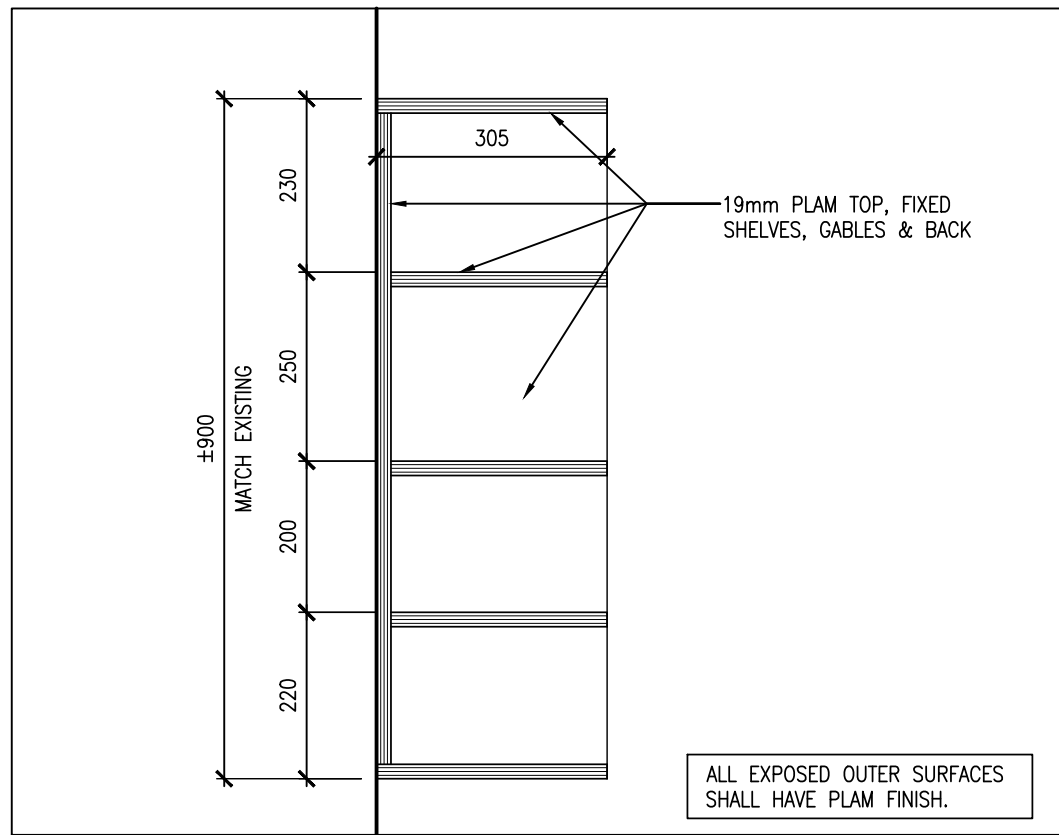
1:10



6
A804

FIXED SHELVES

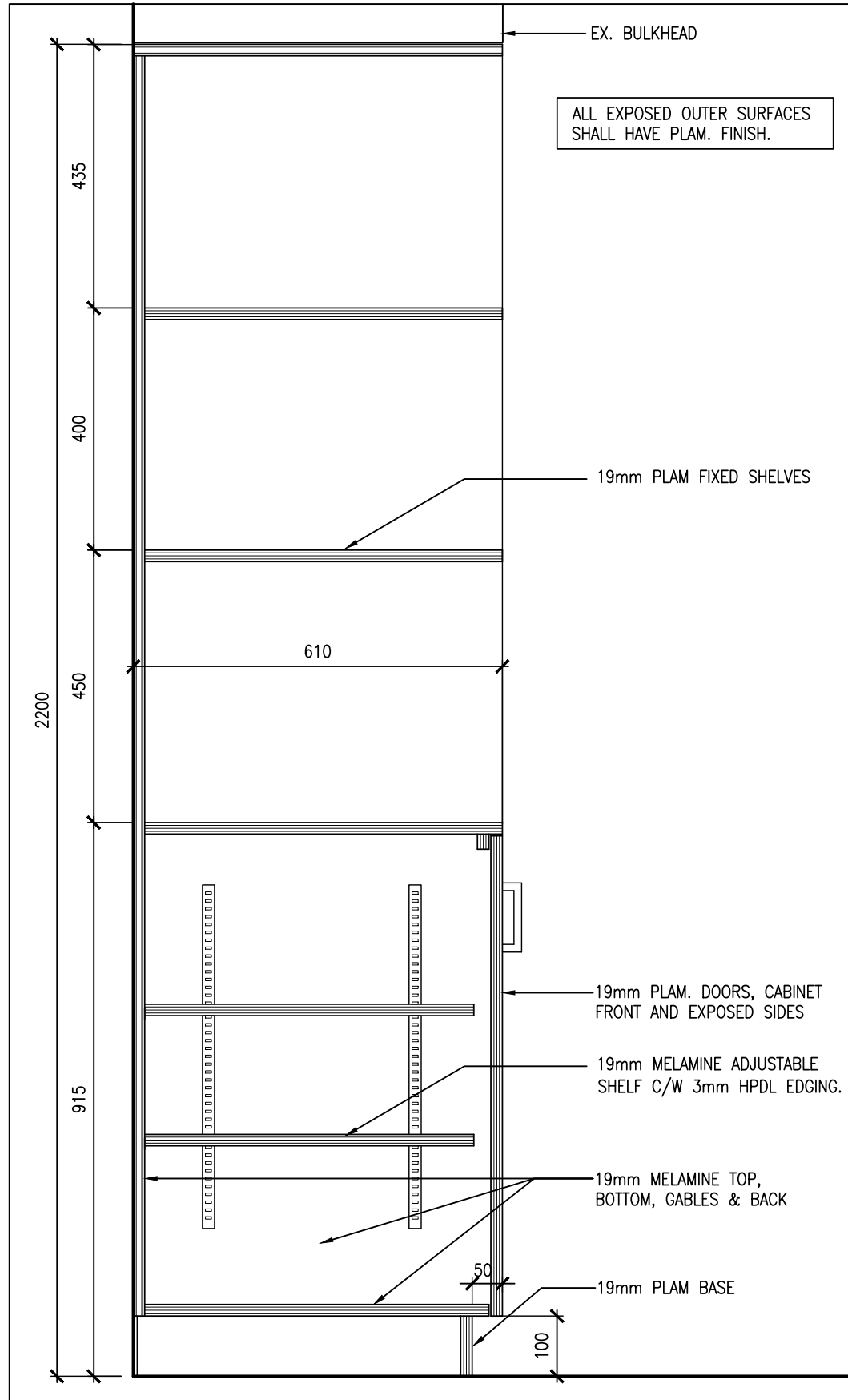
1:10



13
A804

UPPER SHELVES

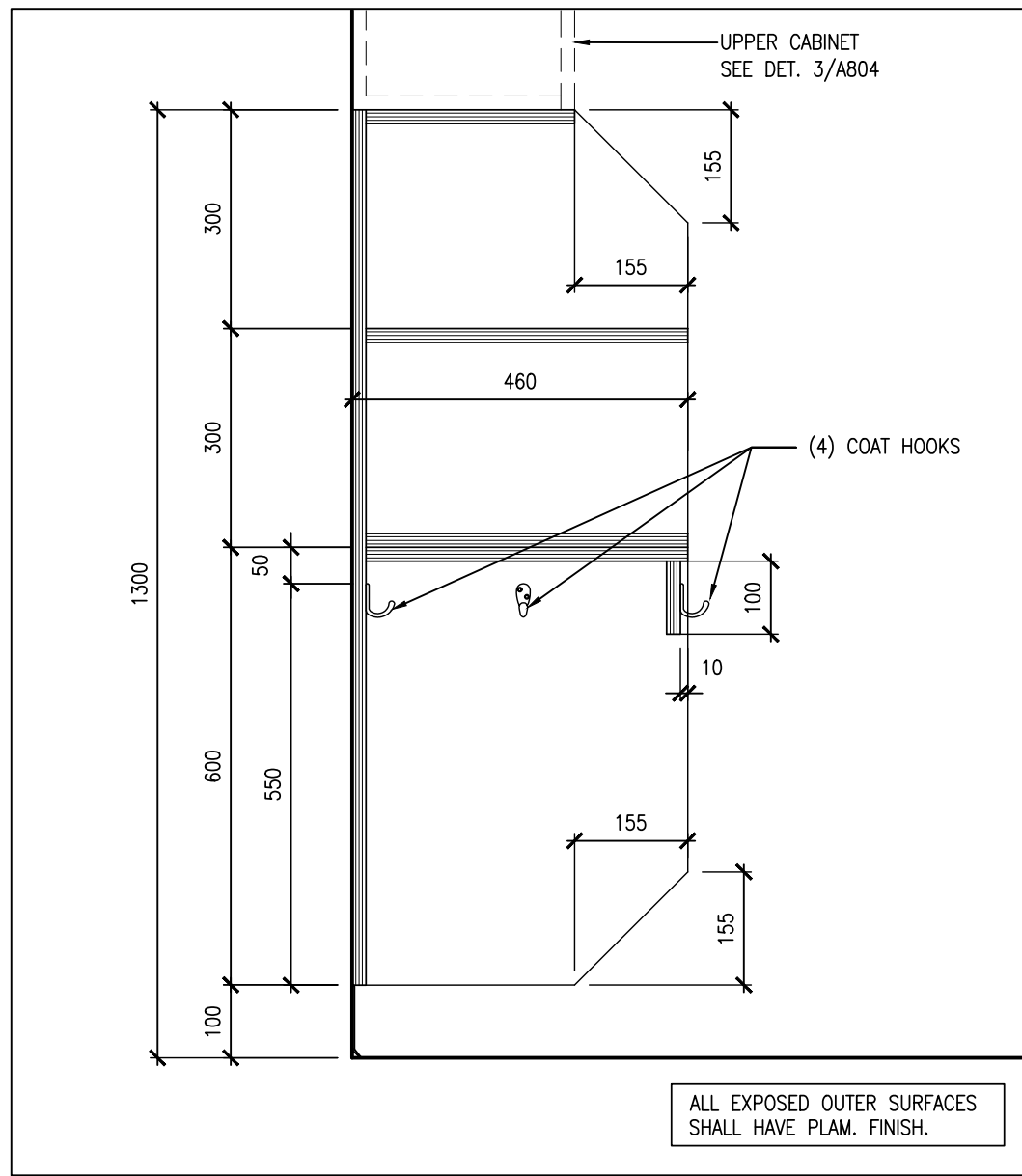
1:10



5
A804

CABINET W/ SHELVES

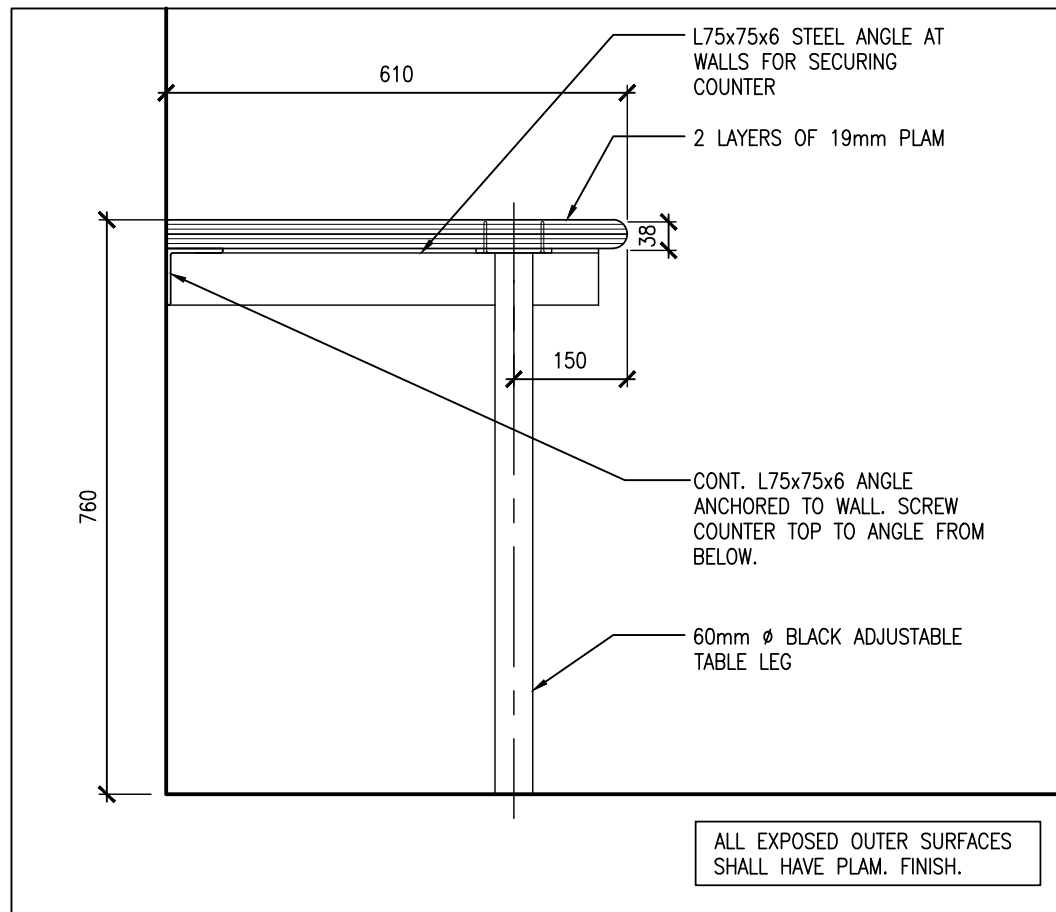
1:10



4
A804

CUBBIES

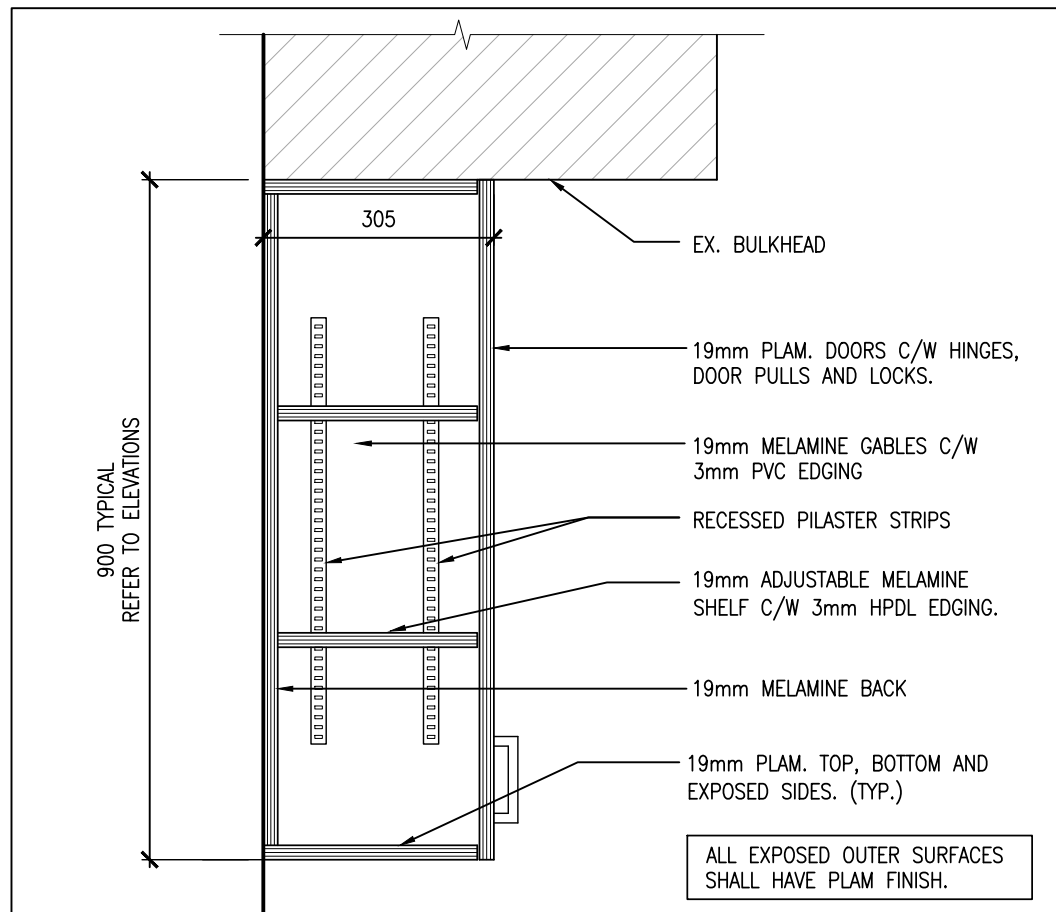
1:10



12
A804

WORK BENCH

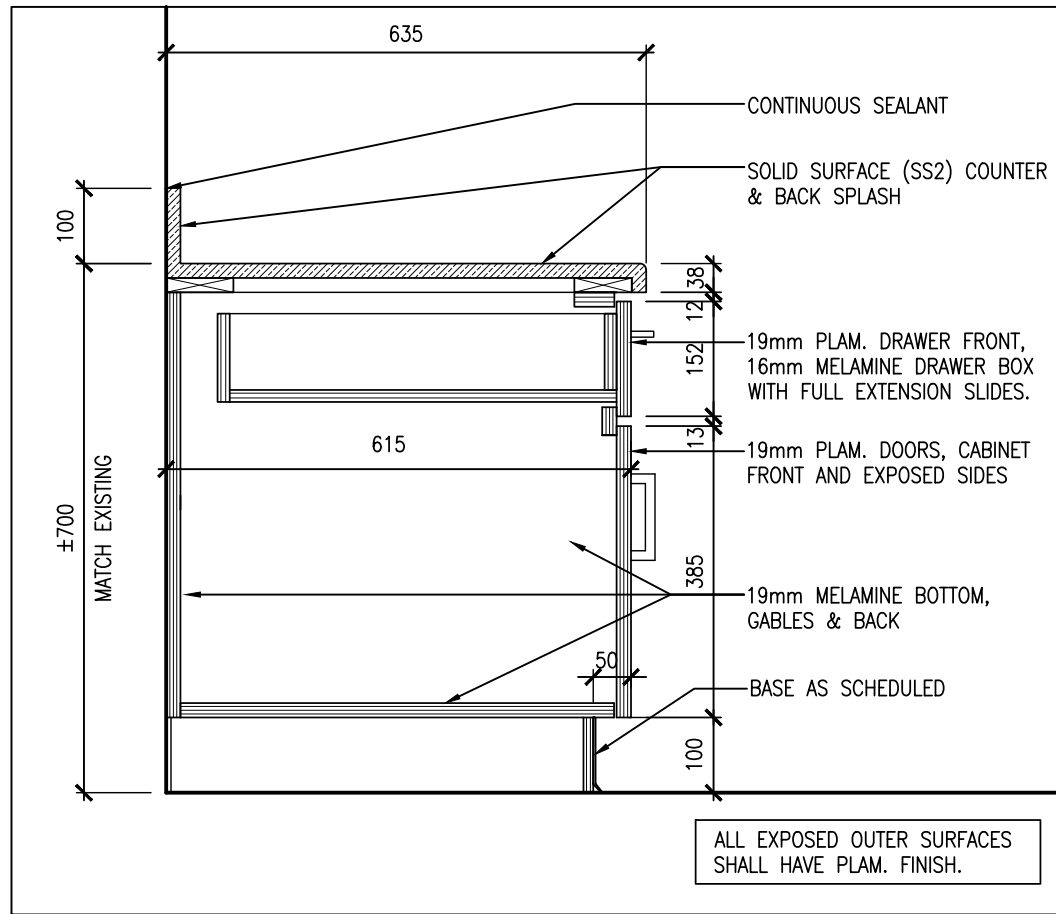
1:10



3
A804

UPPER CABINET

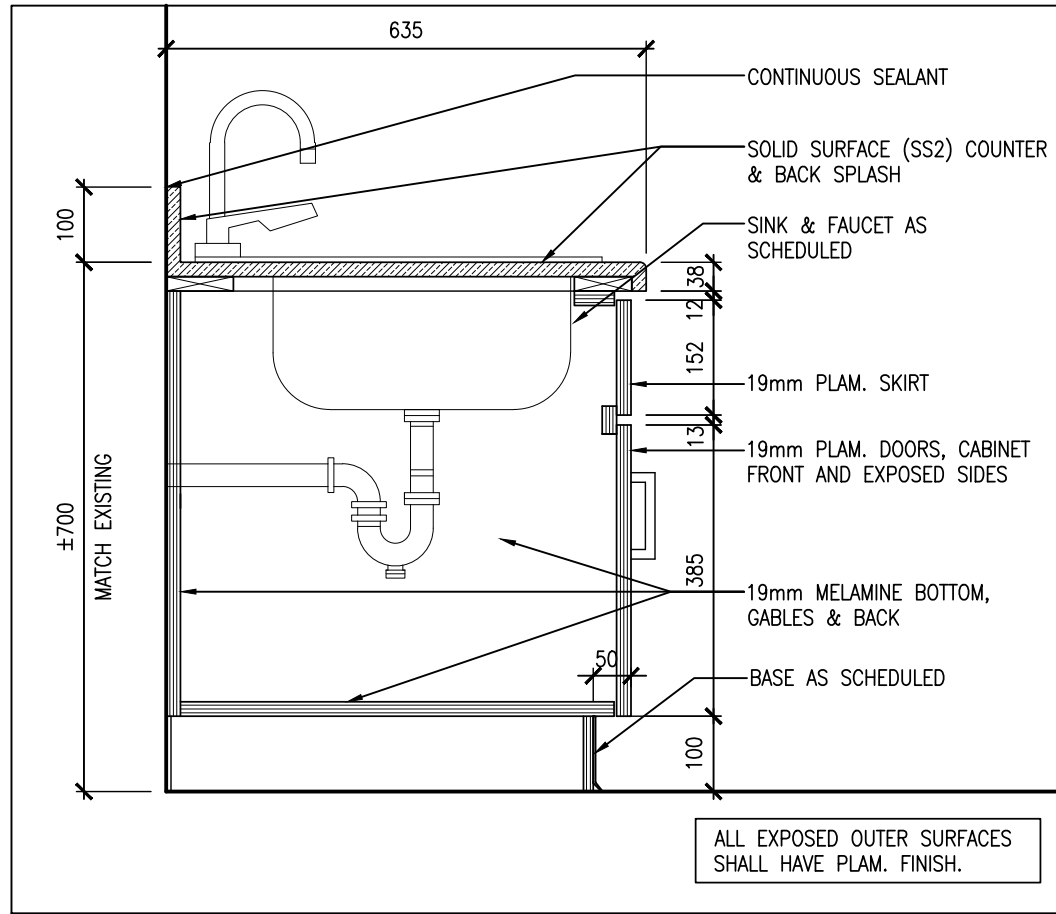
1:10



2
A804

BASE CABINET

1:10



1
A804

SINK BASE CABINET

1:10

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

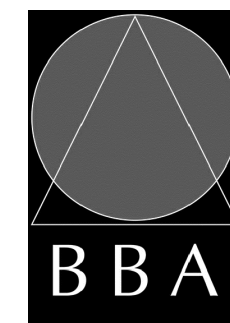
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

MILLWORK



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-6252
Fax: (905) 666-6256
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC CONTROL: DATE:
DRAWN BY: N/V	% COMPLETE:
CHECKED BY:	INITIAL:

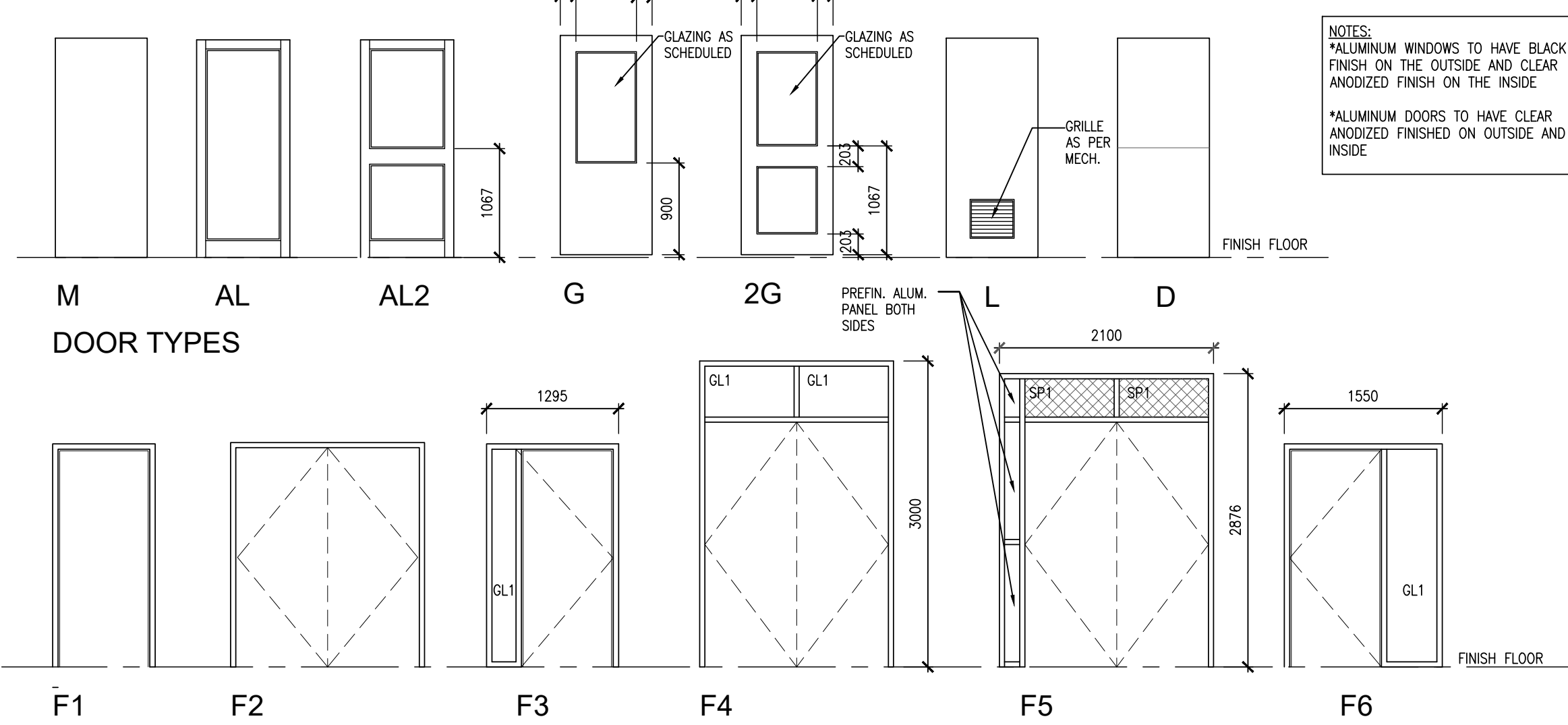
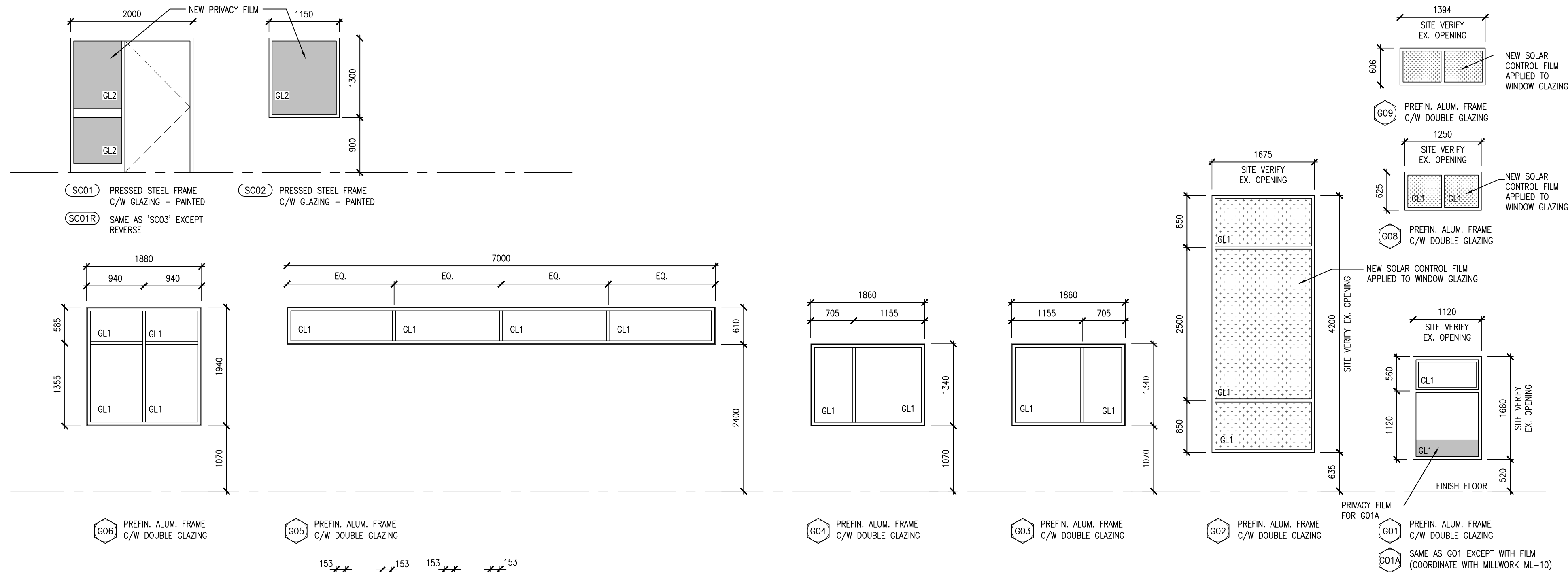
DATE:	SCALE: 1:50
FILE: 24015 A804	

PROJECT NO:

24015

DRAWING NO:

A804



ROOM FINISHES LEGEND
CT-1: DALTILE ARCTIC WHITE 190 GLOSSY 2"x8" (REFER TO ELEVATION FOR PATTERN)
CT-2: DALTILE SEA BREEZE 1174 GLOSSY
CT-3: DALTILE MUSTARD 1012 GLOSSY
CT-4: DALTILE OCEAN BLUE 1049 GLOSSY

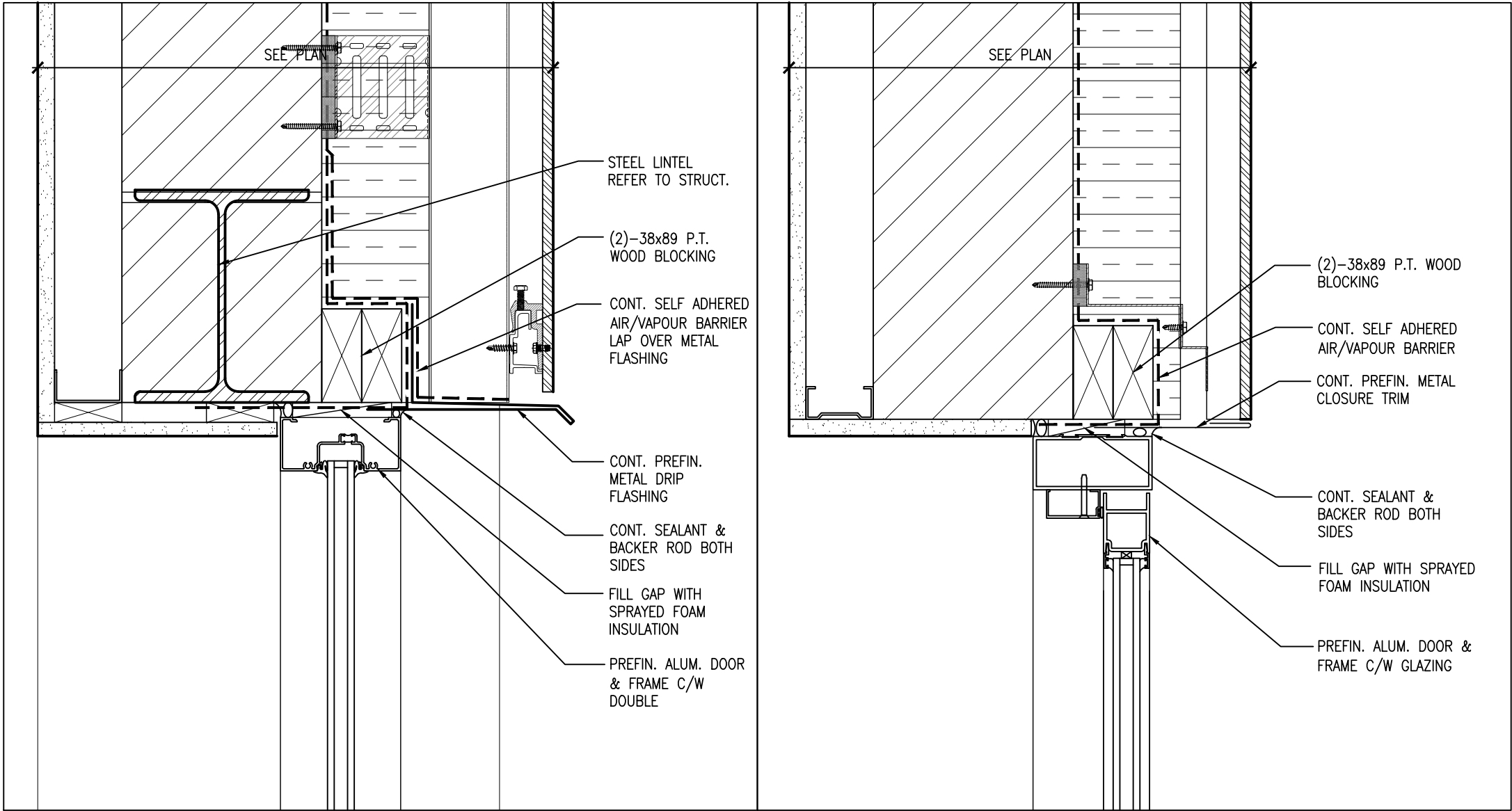
WALL FINISHES
WALL COVERING 1 (WC-1): VERSA WALL COVERING "OCEAN DRIVE A191-321 CARLYLE"
ACOUSTIC WALL PANEL 1 (AP-1): ACOUFELT RAINDROP TTRAI "PIANO BLACK/CURRENT"
ACOUSTIC WALL PANEL 1 (AP-2): ACOUFELT RAINDROP TTRAI "PIANO BLACK/SHIRAZ"

ACOUSTIC CEILING BEAMS
BAF-1: PIANO BLACK
BAF-2: ACOUFELT CURRENT
BAF-3: CARROT
BAF-4: POPCORN
BAF-5: WASABI
BAF-6: DENIM
BAF-7: BERRY
BAF-8: BERRY

FLOOR FINISHES
CARPET 1 (CPT1): Shaw Contract Local Tile 51623 "Vibrant Teja"
CARPET 2 (CPT2): Interface Luminous 1311 "Titanium Iris"
SPORT IMPACT FLOORING (SIF): Gerflor REC 60 "6062 Canadian Maple"
RESILIENT SHEET FLOORING 1 (RSF1): Polyflor "Solcloth"
RESILIENT SHEET FLOORING 2 (RSF2): Polyflor "Mint Crop"
RESILIENT SHEET FLOORING 3 (RSF3): Polyflor "Deep Space"
PORCELAIN CERAMIC TILE 1 (PCT1): Daltile Harmonist Celestia HM30 Matte
PORCELAIN CERAMIC TILE 2 (PCT2): Daltile Volume 1.0 Stereo Grey Matte 12x24

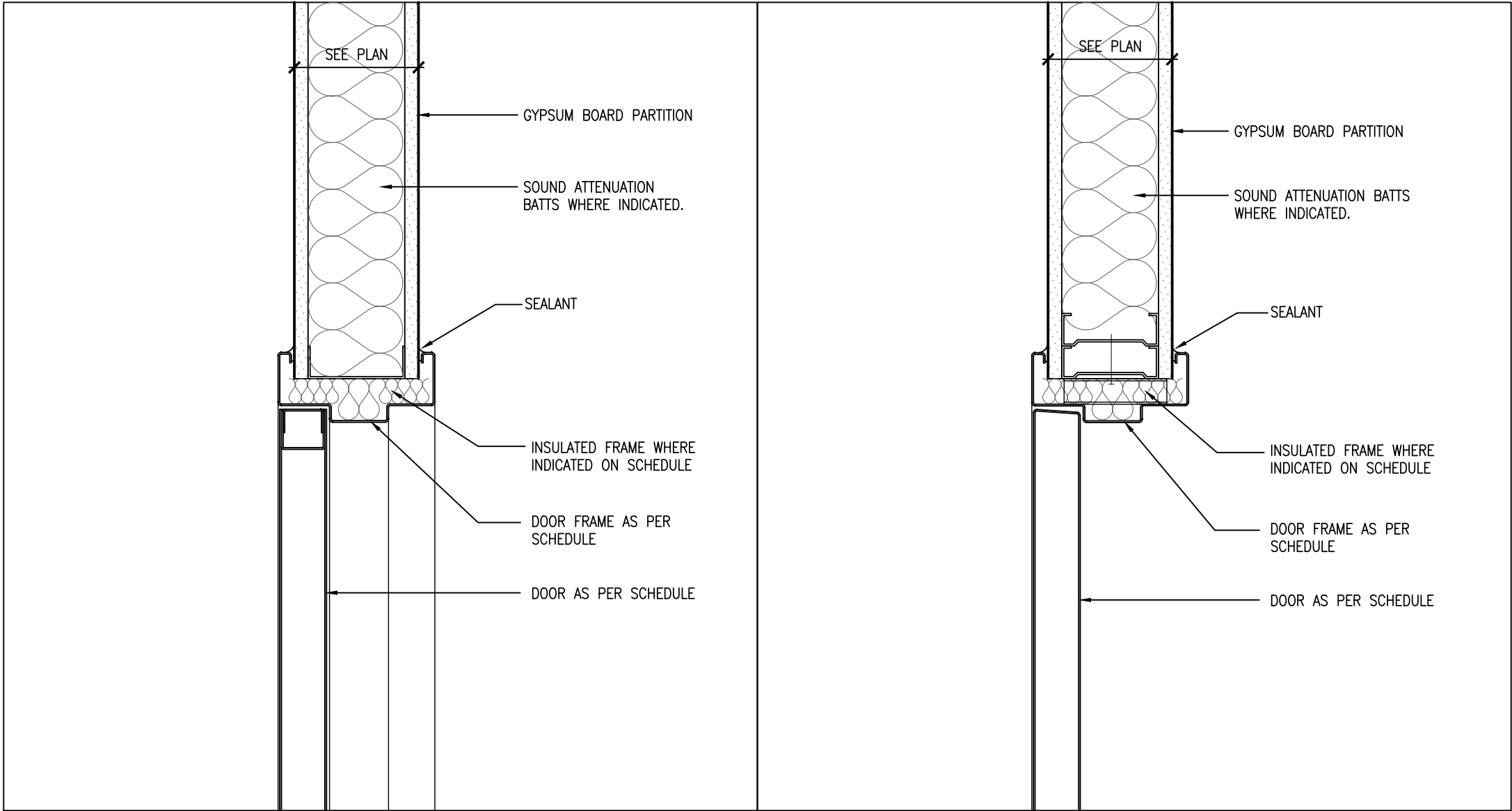
WALL BASE FINISHES
R1: TARKETT T66 MINK WG
R2: TARKETT 40 BLACK
R3: TARKETT 92 BLUE LAGOON

ROOM SCHEDULE													
ROOM ROOM NAME			FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	REMARKS		
NO.		MAT.			NORTH	EAST	SOUTH	WEST					
101	ENTRY VESTIBULE	FIN. COL.	EX PCT2	PCT	EX PCT2	EX PT	EX PT	EX PT	EX PT	EX PT			
102	CORRIDOR	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
103	MULTI-PURPOSE ROOM	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
104	LOUNGE	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
105	RECEPTION	MAT. FIN. COL.	EX CPT	R	PT PT	EX PT	EX PT	EX PT	ACP PT	2500	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
106	CRAFT ROOM	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
107A	DONATION ROOM	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
107B	OFFICE	MAT. FIN. COL.	EX CPT	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
108	KINDERGARTEN ROOM	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
109	WASHROOM	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
110	JANITOR	MAT. FIN. COL.	EX SEAL	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT			
111	CORRIDOR	MAT. FIN. COL.	EX RSF	R	PT PT	EX PT	EX PT	EX PT	ACP/PT	PT	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
112	CORRIDOR	MAT. FIN. COL.	EX/CONC RSF	R	EX/GB PT	EX/GB PT	EX/GB PT	EX/GB PT	ACP	2500	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
113	OFFICE	MAT. FIN. COL.	EX CPT	R	PT PT	EX PT	EX PT	EX PT	ACP	2500			
114	ELECTRICAL	MAT. FIN. COL.	EX SEAL	R	PT PT	EX PT	EX PT	EX PT	EXP.	PT			
115	PANTRY	MAT. FIN. COL.	EX RSF	R	P	EX P	EX P	EX P	EX P	EX P	PROVIDE PAINT FINISH FOR ALL NEW AND EXISTING BULKHEADS		
116	UNIVERSAL WASHROOM	MAT. FIN. COL.	CONC PCT	PCT	CB CT	EX/GB CT	EX/GB CT	EX CT	GB CT	2500	*SEE INTERIOR ELEVATIONS TO EXTENTS OF CERAMIC TILE AND DIFFERENT COLOURS		
117	SERVERY	MAT. FIN. COL.	-	-	-	-	-	-	-	-			
119	FEMALE WASHROOM	MAT. FIN. COL.	CONC PCT	PCT	CB CT	CB CT	CB CT	CB CT	GB P	2500	*SEE INTERIOR ELEVATIONS TO EXTENTS OF CERAMIC TILE AND DIFFERENT COLOURS		
120	WASHROOM	MAT. FIN. COL.	CONC PCT	PCT	CB CT	CB CT	CB CT	CB CT	EX P	2500	*SEE INTERIOR ELEVATIONS TO EXTENTS OF CERAMIC TILE AND DIFFERENT COLOURS		
122	MALE WASHROOM	MAT. FIN. COL.	CONC PCT	PCT	CB CT	CB CT	CB CT	CB CT	EX P	2500	*SEE INTERIOR ELEVATIONS TO EXTENTS OF CERAMIC TILE AND DIFFERENT COLOURS		
123	ACTIVITY/BANQUET ROOM	MAT. FIN. COL.	EX SIF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT	*REFER TO FLOOR PLAN FOR GYM PAINTING LINES		
124	STORAGE	MAT. FIN. COL.	EX SIF	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT			
125	STORAGE	MAT. FIN. COL.	CONC SIF	R	CB PT	CB PT	CB PT	CB PT	ACP	2500			
126	MECH. ROOM	MAT. FIN. COL.	EX SEAL	R	PT PT	EX PT	EX PT	EX PT	EX PT	EX PT			
127	STORAGE	MAT. FIN. COL.	CONC RSF	R	CB PT	CB PT	CB PT	CB PT	ACP	2500			
128	OFFICE	MAT. FIN. COL.	CONC CPT	R	GB PT	GB PT	GB PT	GB PT	ACP	2500			
129	MEETING ROOM	MAT. FIN. COL.	CONC CPT	R	GB PT	GB PT	GB PT	GB PT	ACP	2500			
130	ENTRY VESTIBULE	MAT. FIN. COL.	CONC PCT	PCT	GB PT	GB PT	GB PT	GB PT	GB PT	2500			
131	MULTI-PURPOSE PROGRAM ROOM	MAT. FIN. COL.	CONC RSF	R	GB PT	GB PT	GB PT	GB PT	GB PT	VARIES	PAINT UNDERSIDE OF STEEL DECK AND STEEL BEAMS , REFER TO A209 FOR BAFFLE COLOURS AND PLACEMENT.		
132	MUSIC STORAGE AREA	MAT. FIN. COL.	CONC RSF	R	GB PT	GB PT	GB PT	GB PT	GB PT	VARIES	PAINT UNDERSIDE OF STEEL DECK		
133	RECORDING STUDIO	MAT. FIN. COL.	CONC CPT	R	PT/AP	PT/AP	PT/AP	PT/AP	ACT	2500	PAINT ALL WALLS PT-8 FIRST AND THEN APPLY ACOUSTIC PANEL FINISHES ON TOP		
134	STORAGE	MAT. FIN. COL.	CONC RSF	R	CB PT	CB PT	CB PT	CB PT	ACT	2500			



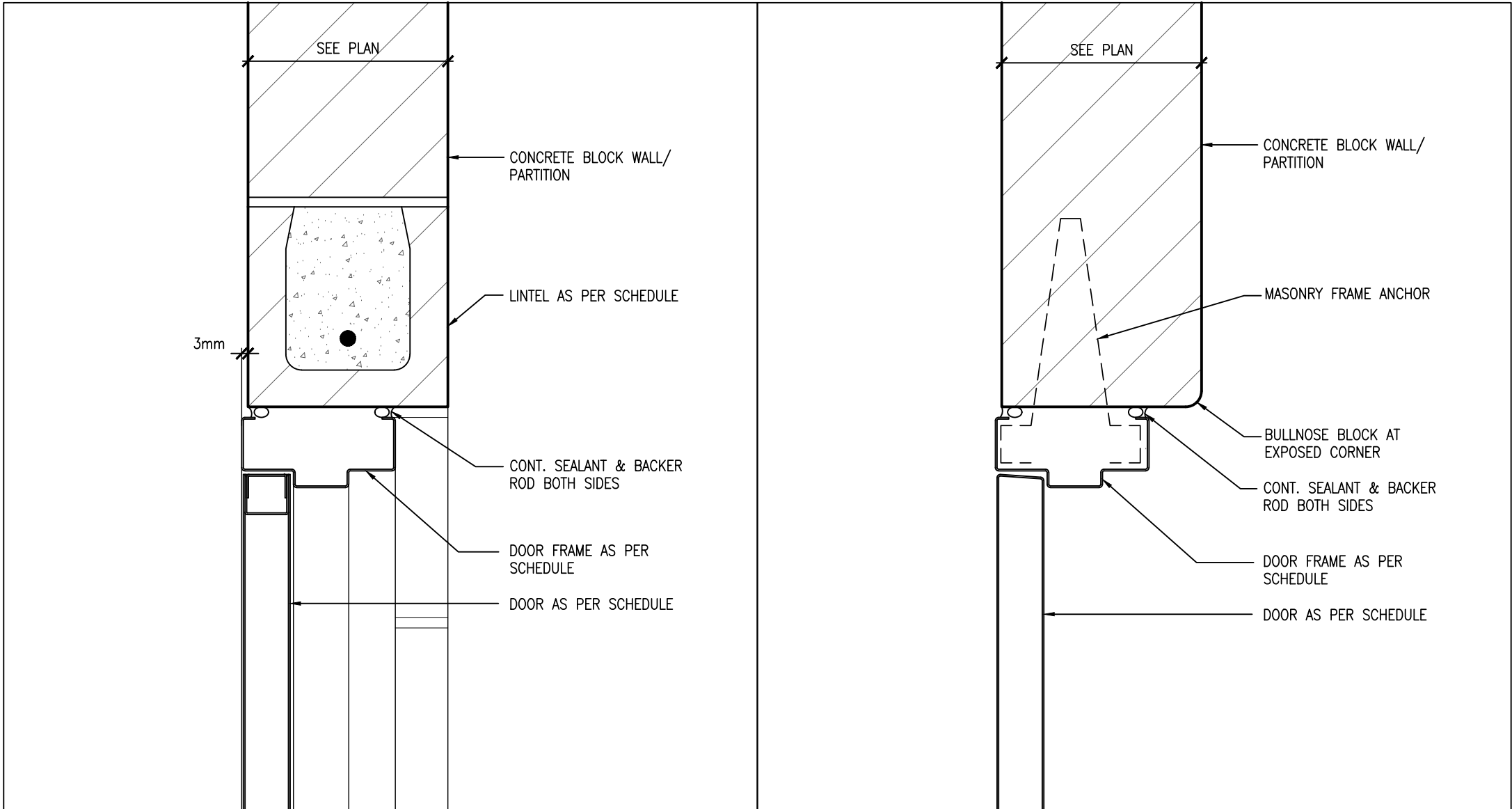
DETAIL H3

DETAIL J3



DETAIL H2

DETAIL J2



DETAIL H1

DETAIL J1

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY

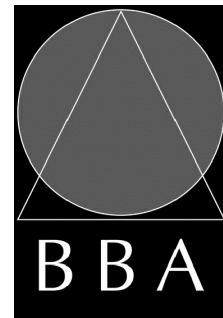
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**DOOR HEAD & JAMB
DETAILS**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY:
BBA

DOC. CONTROL:
DATE:

DRAWN BY:
NV

% COMPLETE:

CHECKED BY:

INITIAL:

DATE:
OCT. 2024

SCALE:
1:50

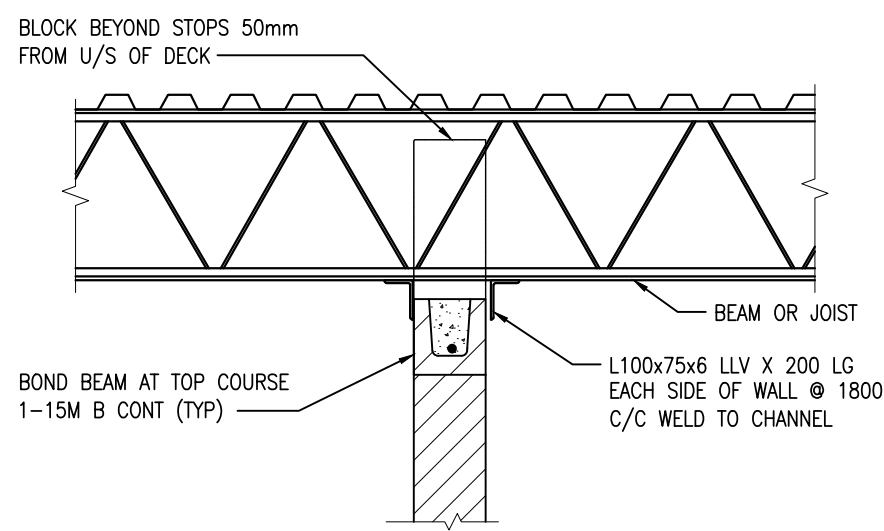
FILE:
24015 A902

PROJECT NO:

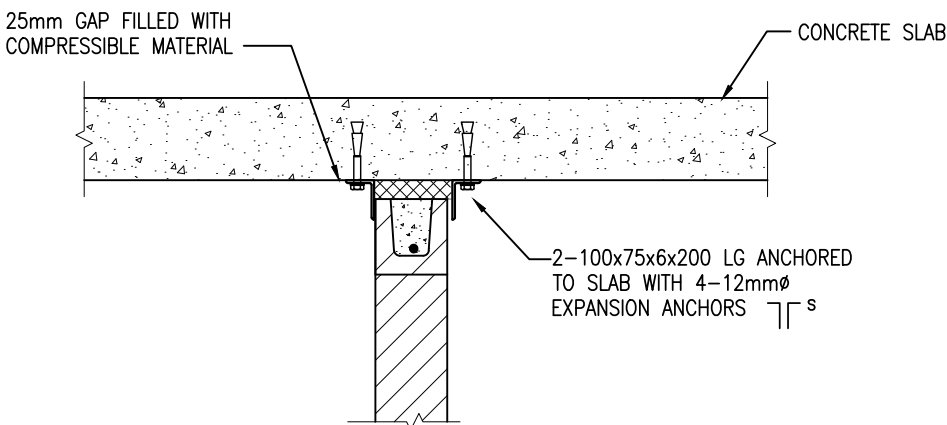
24015

DRAWING NO:

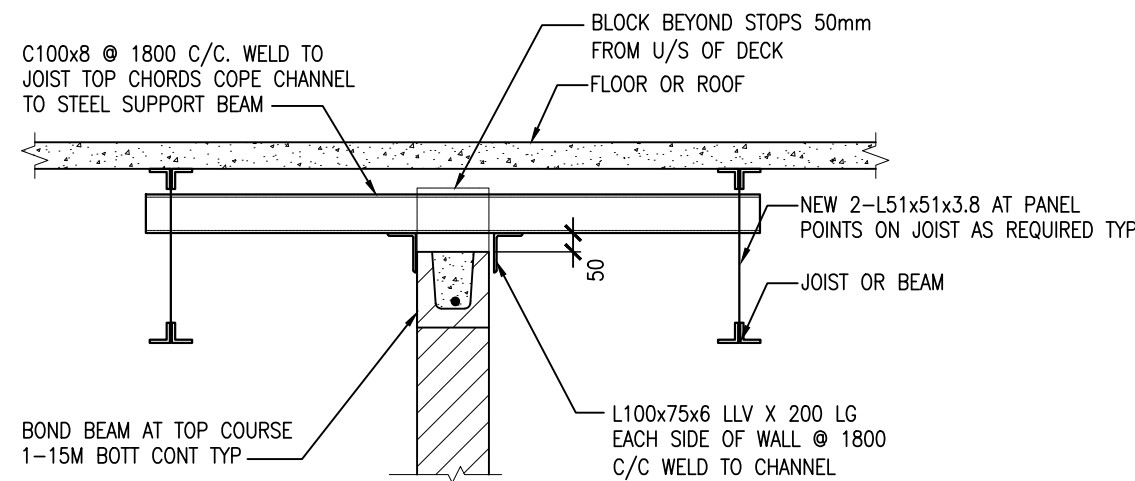
A902



WALL PERPENDICULAR TO BEAM OR JOIST

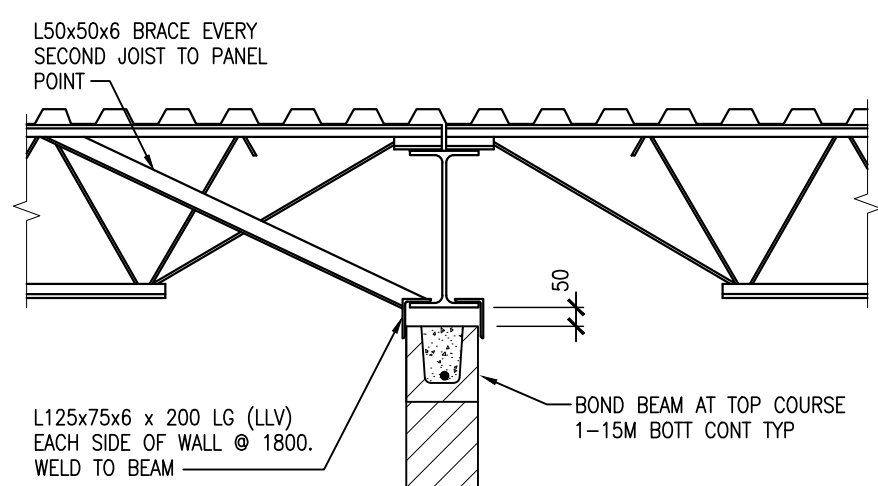


WALL SUPPORT BELOW CONCRETE SLABS

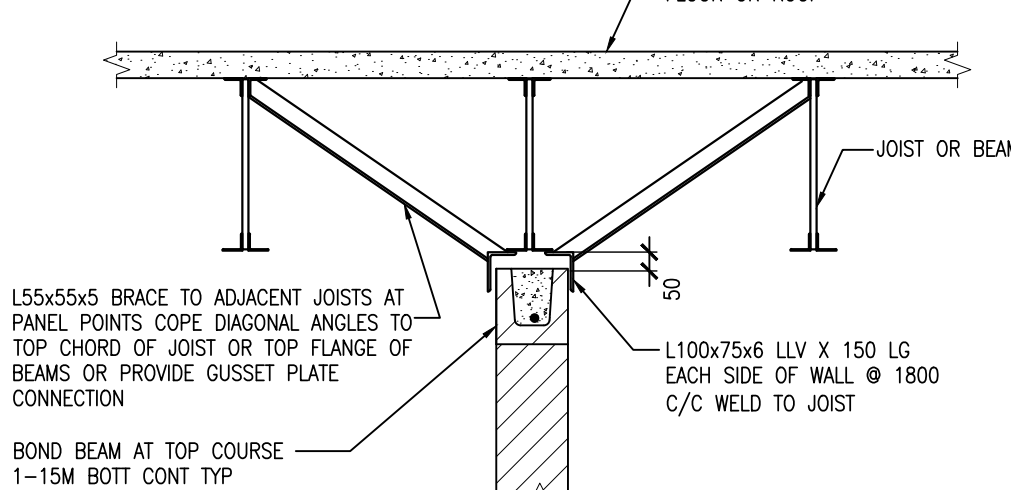


WALL PARALLEL TO JOIST OR BEAM

15 S102 LATERAL SUPPORT OF TOP OF MASONRY WALLS
N.T.S.

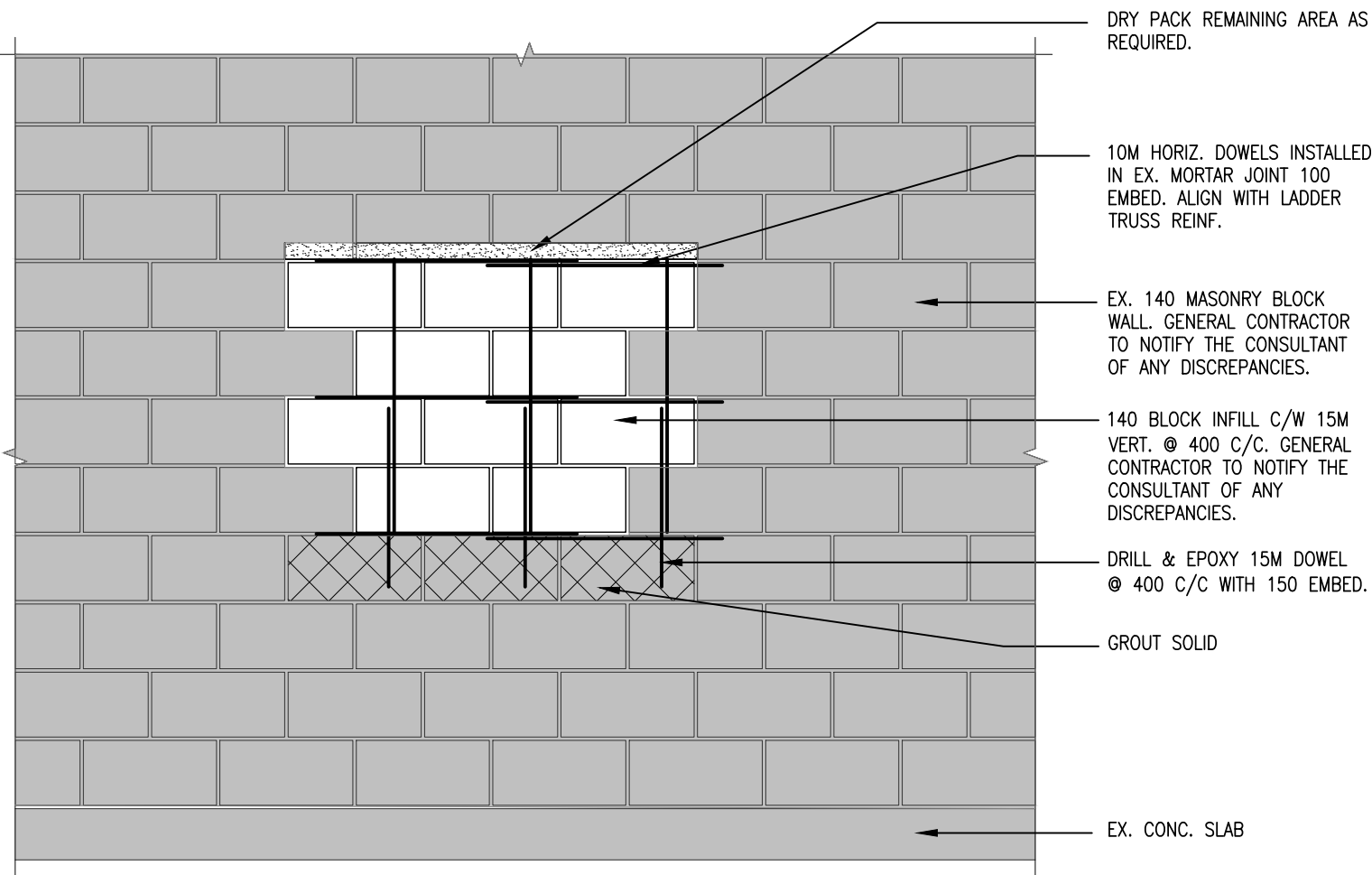


WALL DIRECTLY BENEATH STEEL BEAM

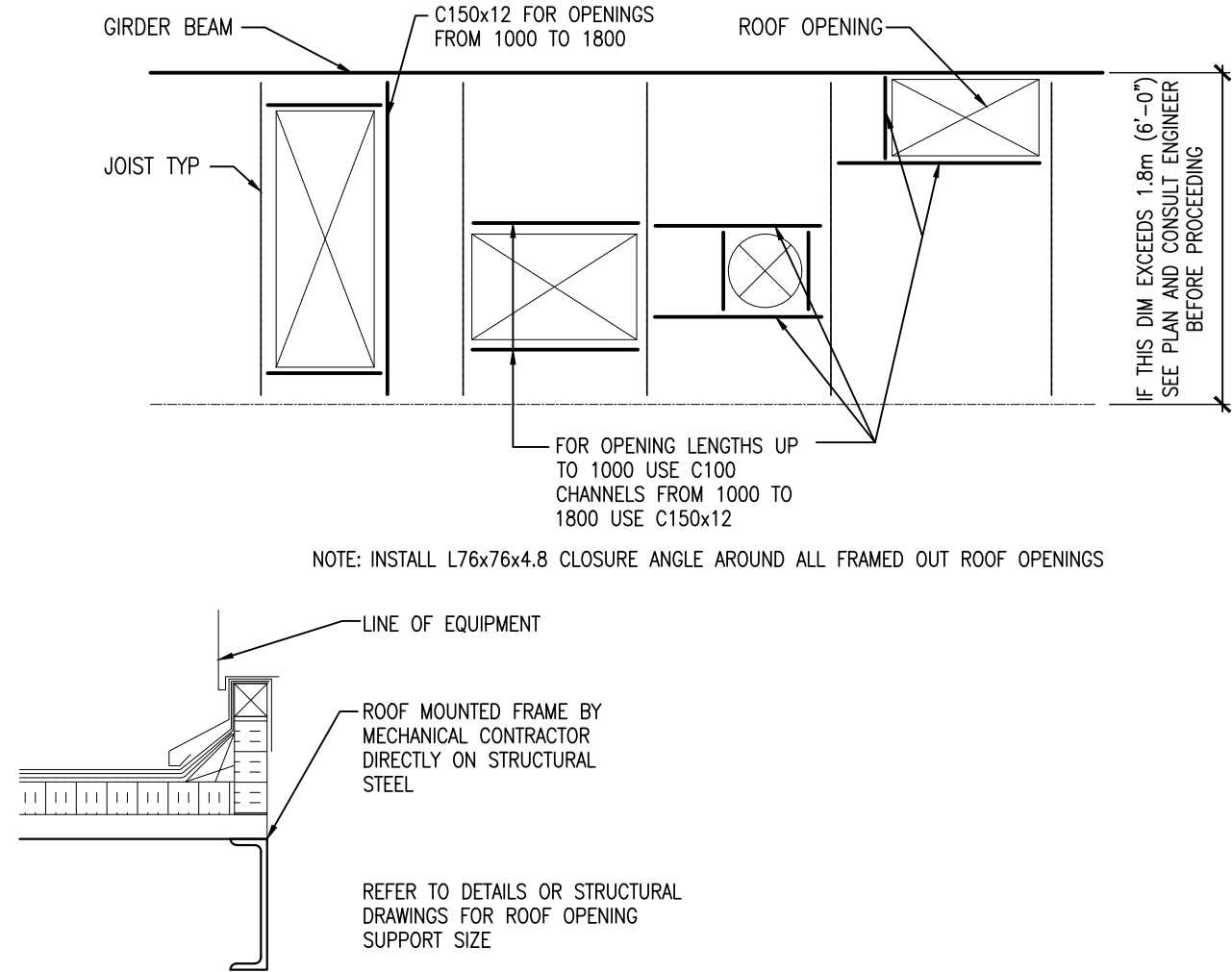


WALLS ALIGNING PARALLEL TO JOIST OR BEAM

14 S102 LATERAL SUPPORT OF TOP OF MASONRY WALLS
N.T.S.

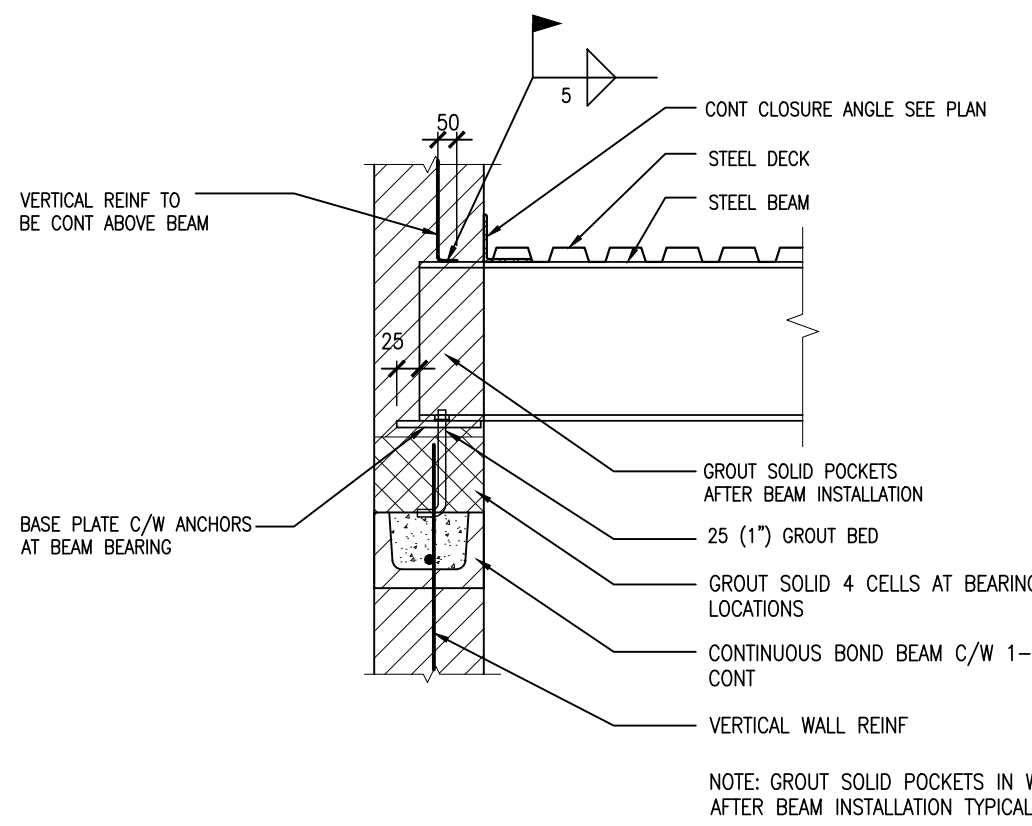


13 S102 TYP. MASONRY INFILL SECTION
N.T.S.

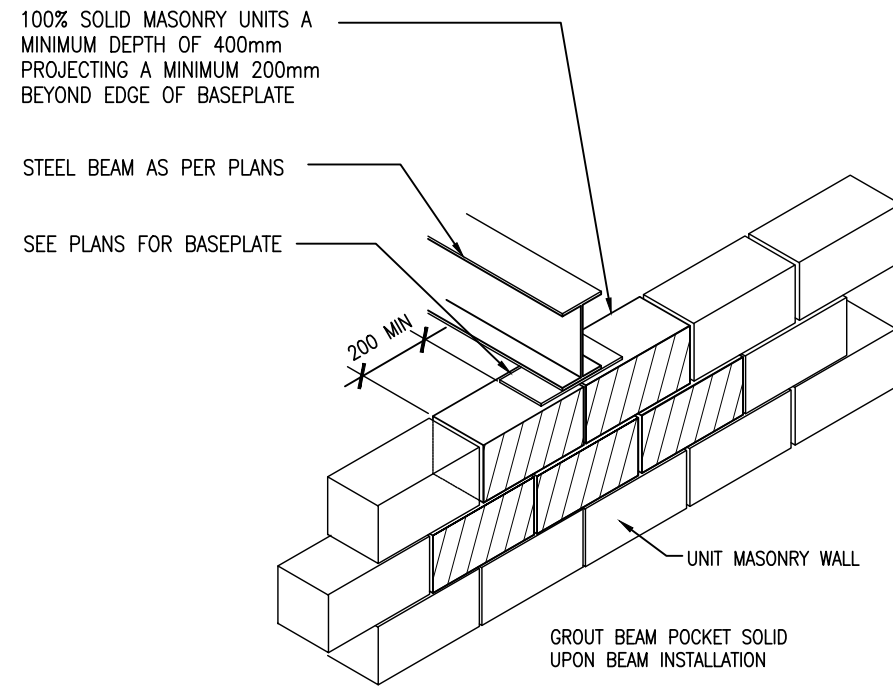


1. TOP OF ALL TRIMMING STEEL TO BE AT THE UNDERSIDE OF STEEL ROOF DECK, UNLESS OTHERWISE NOTED.
2. LOCATION OF ALL MECHANICAL UNITS AND OPENING THROUGH ROOF IS BASED ON INFORMATION SUPPLIED BY MECHANICAL DRAWINGS. THE STRUCTURAL STEEL CONTRACTOR MUST CONFIRM ALL THESE DIMENSIONS AND SIZES WITH THE MECHANICAL CONTRACTOR. OWSJ MUST BE DESIGNED FOR ADDITIONAL LOADS FROM MECHANICAL UNITS. IF LOCATION OR DETAILS VARY FROM THOSE SHOWN THE STRUCTURAL ENGINEER MUST BE INFORMED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING WITH THE WORK.
3. THE STRUCTURAL STEEL CONTRACTOR SHOULD SUBMIT ERECTION DRAWINGS TO THE MECHANICAL ENGINEER AND OR CONTRACTOR FOR APPROVAL OF SIZE AND LOCATION OF OPENINGS FOR MECHANICAL UNITS.

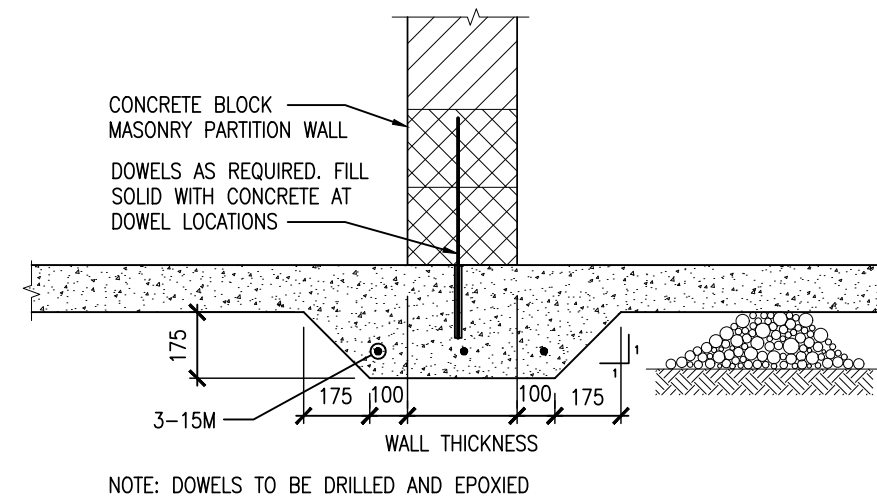
12 S102 TYP. FRAMING FOR ROOF OPENING IN DECK
N.T.S.



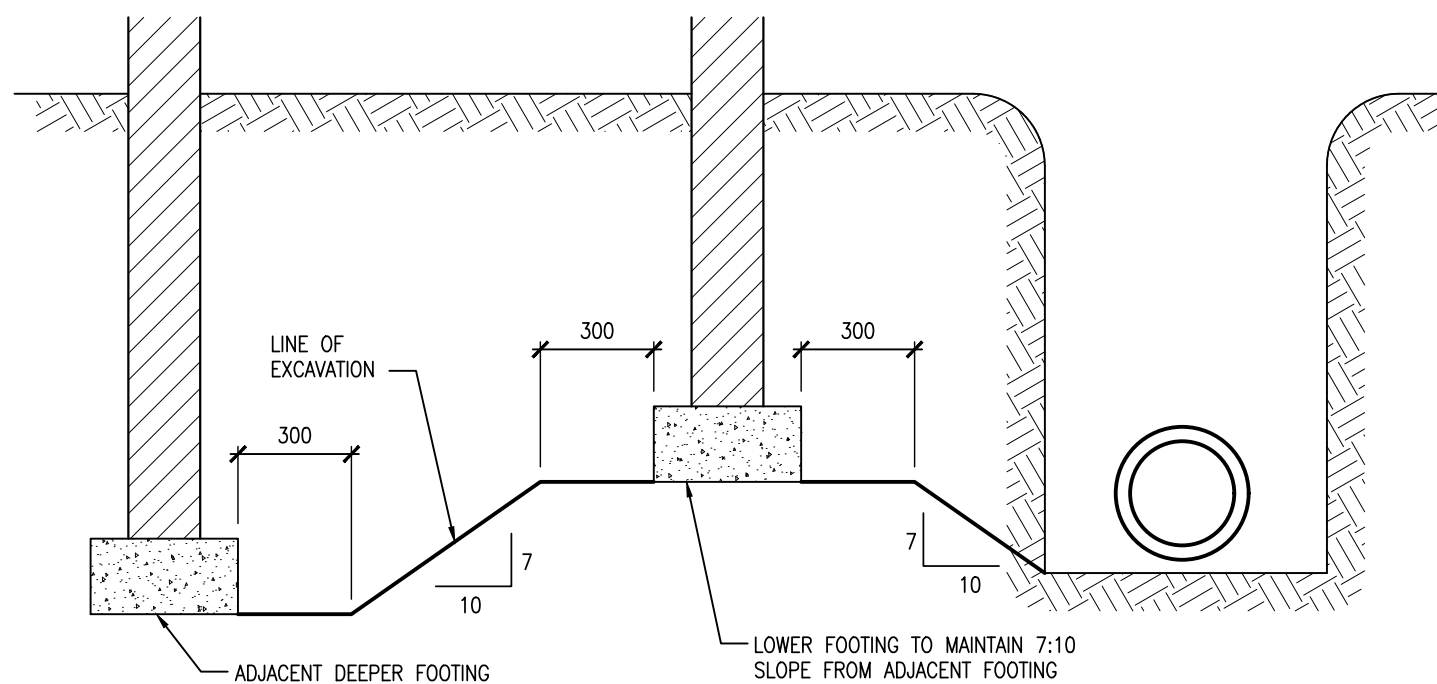
11 S102 STEEL BEAM BEARING ON MASONRY DETAIL
N.T.S.



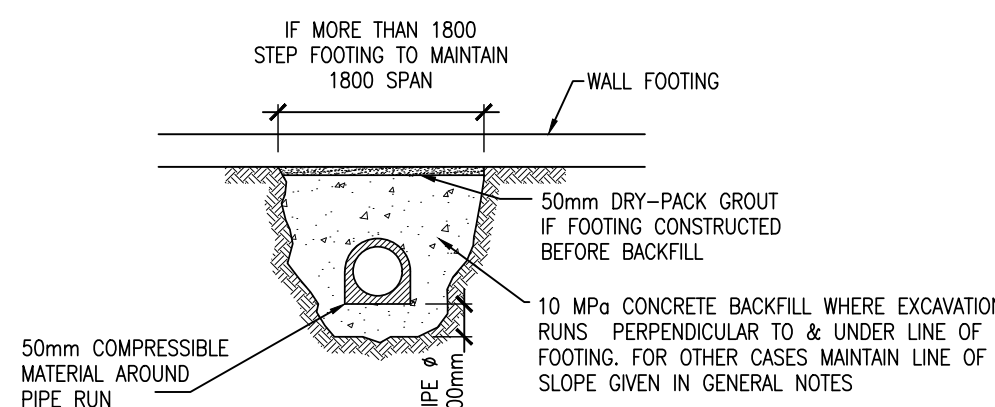
10 S102 STEEL BEAM BEARING ON MASONRY DETAIL
N.T.S.



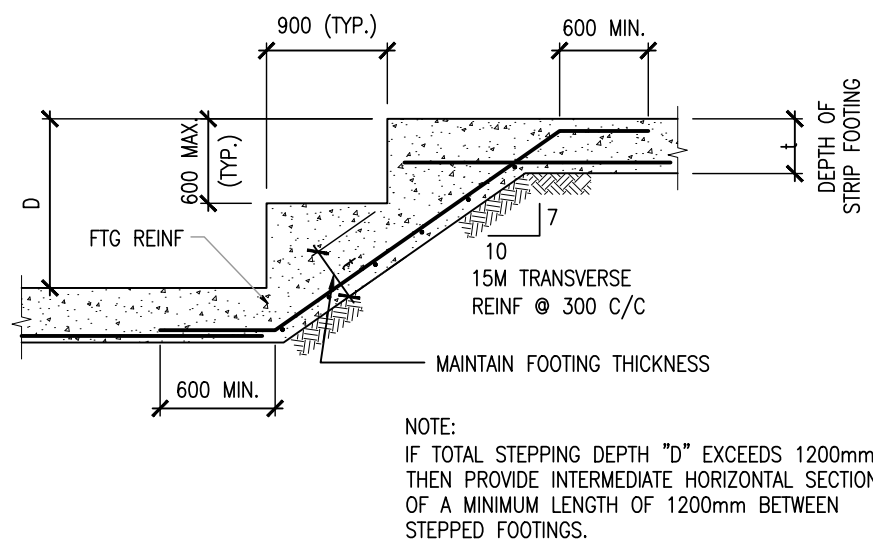
9 S102 FOUNDATION AT NON-BEARING WALLS DETAIL
N.T.S.



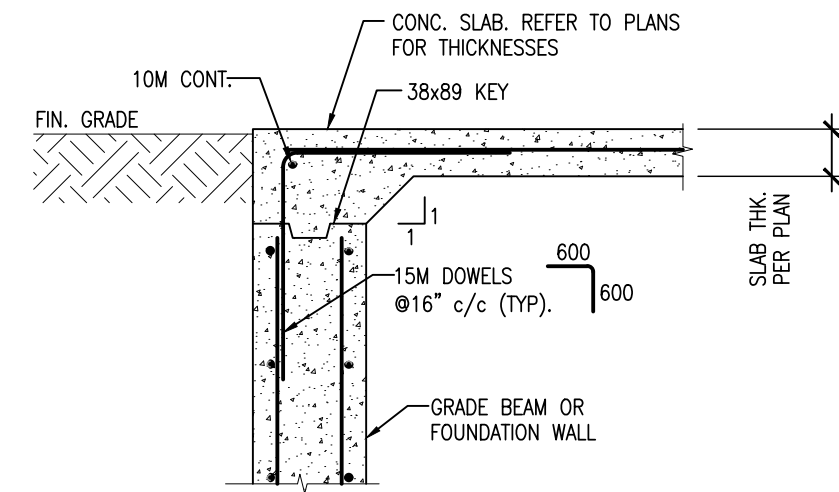
8 S102 SLOPE REQUIREMENTS OF ADJACENT FOOTING
N.T.S.



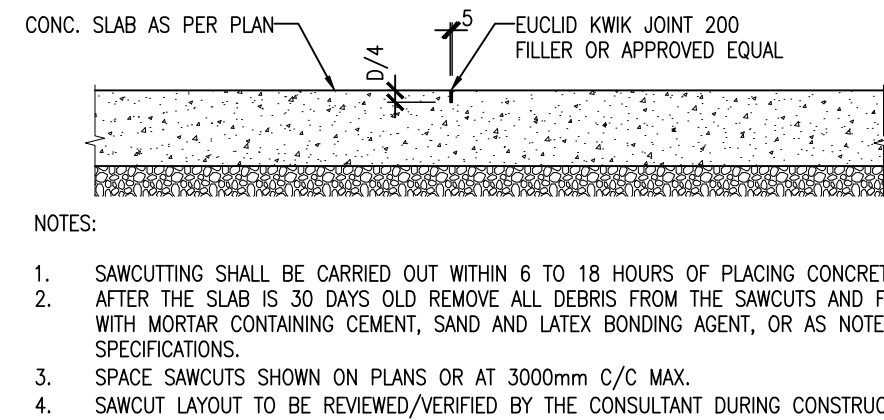
7 S102 BACKFILLING UNDER CONT. WALL FOOTING
N.T.S.



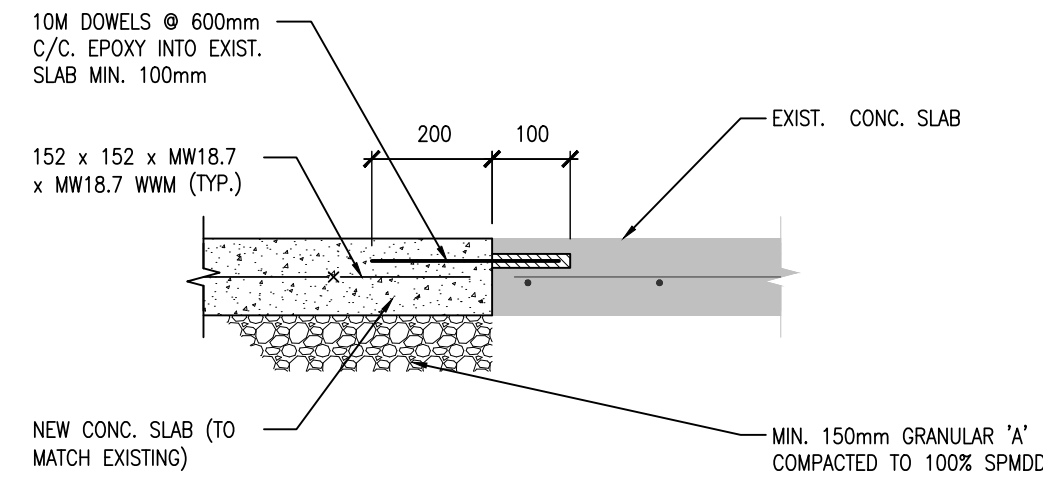
6 S102 STEP DOWN FOOTING DETAIL
N.T.S.



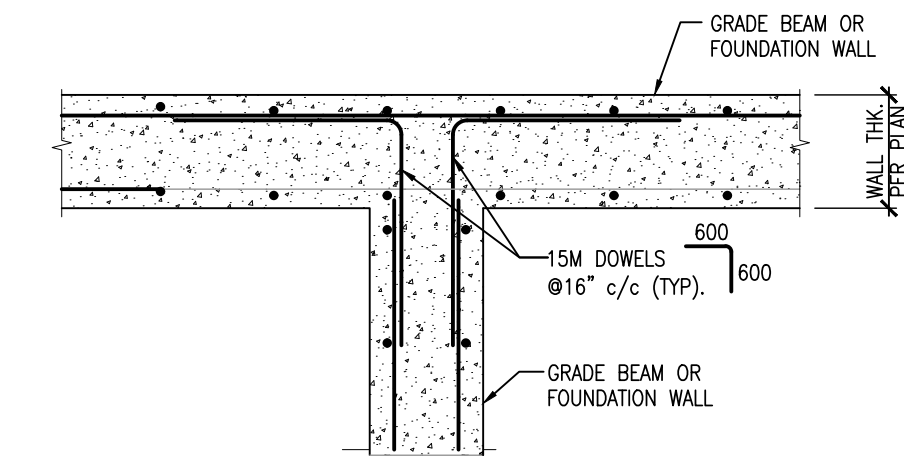
5 S102 FOUNDATION AT EXTERIOR DOORS
1:20



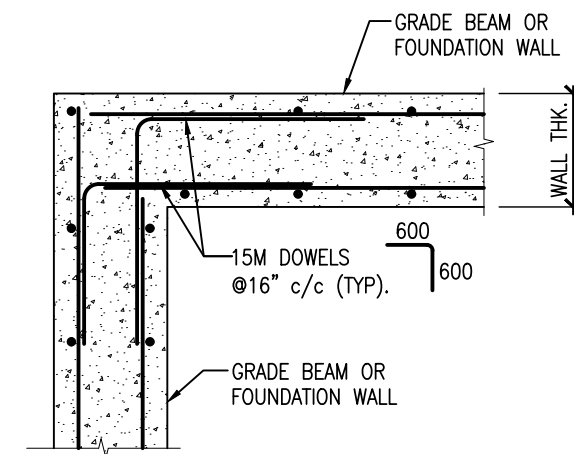
4 S102 TYPICAL SLAB SAWCUT
1:20



3 S102 TYP. EX. SLAB INFILL DETAIL
N.T.S.



2 S102 TYPICAL WALL REINF AT WALL TEE
N.T.S.



1 S102 TYPICAL WALL REINF AT CORNER
N.T.S.

DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

TYPICAL DETAILS



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY: MF	DOC. CONTROL: DATE:
DRAWN BY: NV	% COMPLETE:
CHECKED BY: DM	INITIAL:

DATE: JULY 2024
SCALE: AS NOTED
FILE: 24015 S102

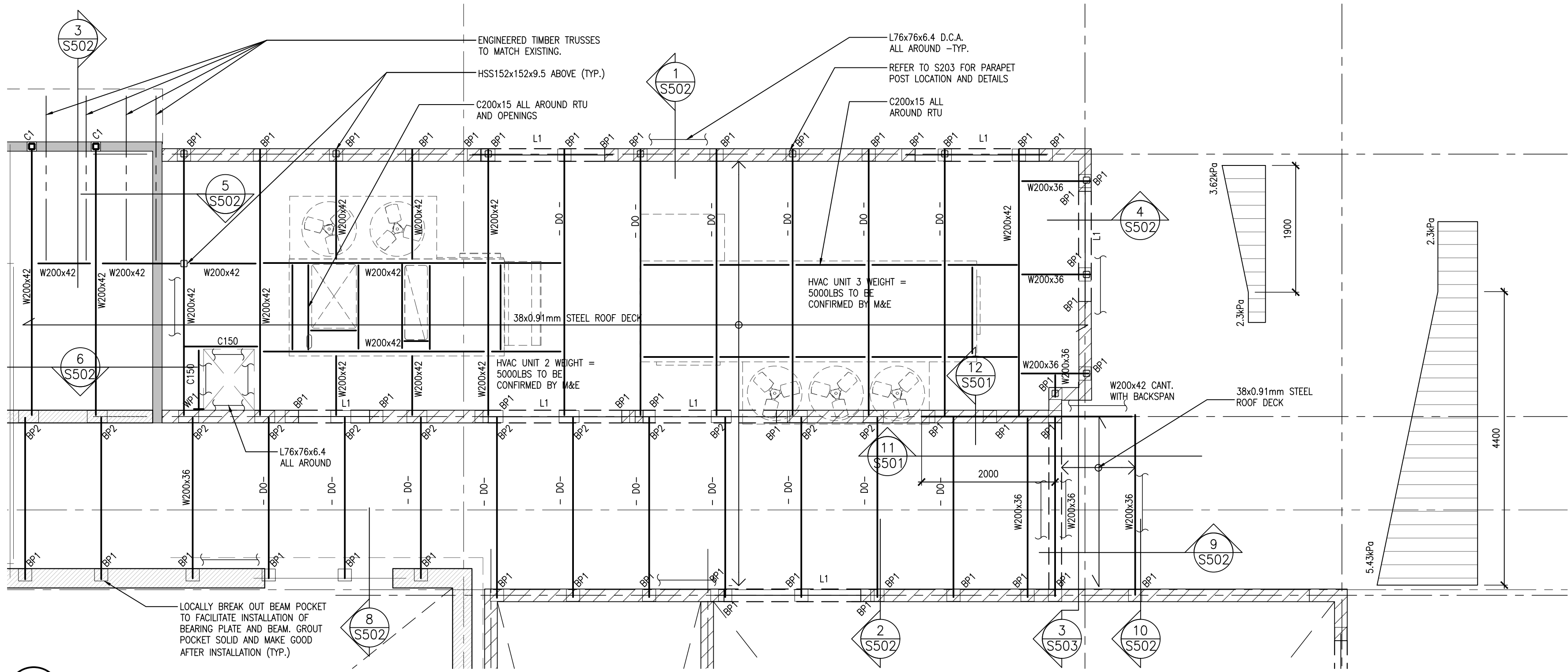
PROJECT NO: 24015	DRAWING NO: S102
-----------------------------	----------------------------



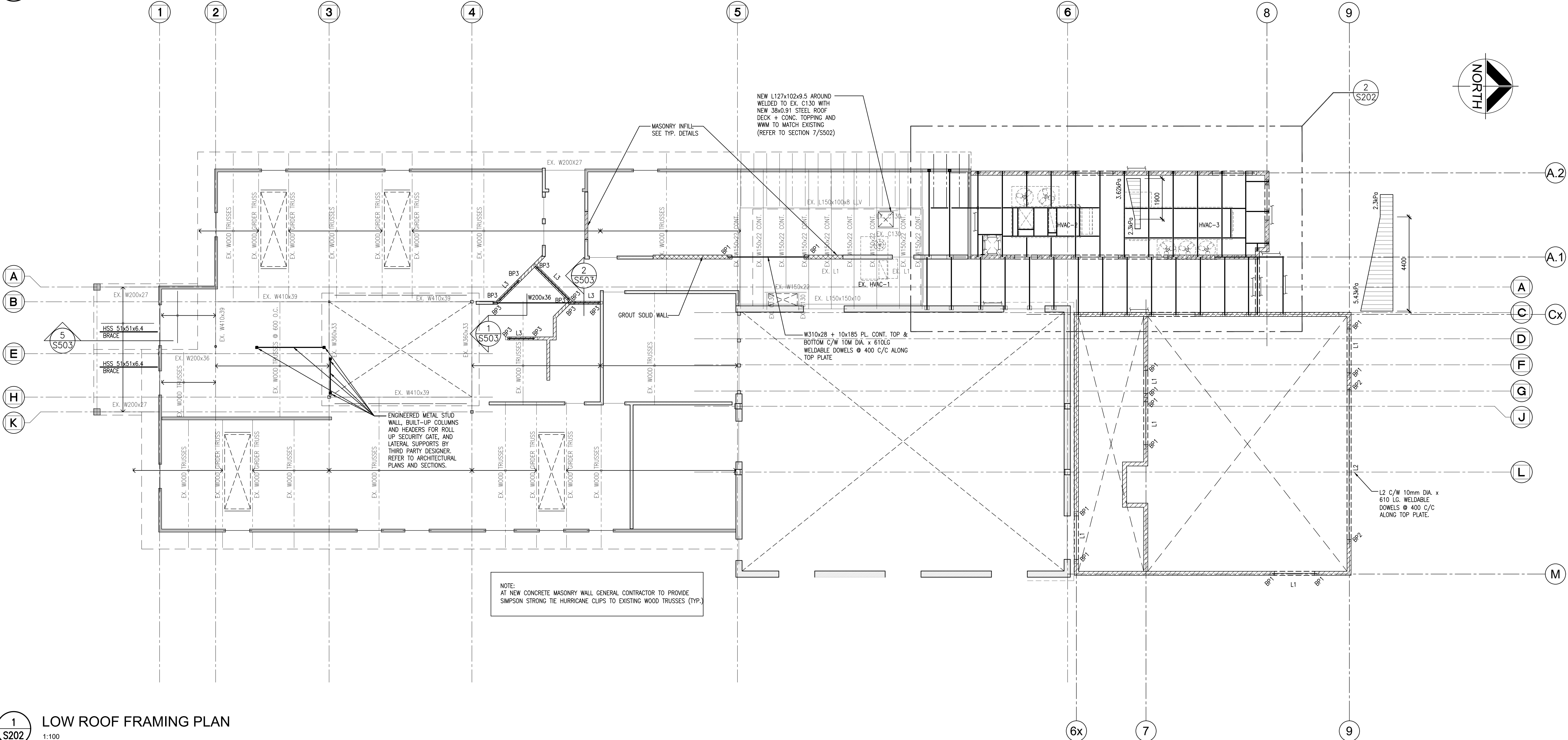
-



S201



2
S202
ENLARGED PART LOW ROOF FRAMING PLAN
1:50

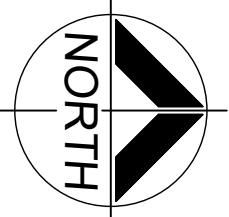


1
S202
LOW ROOF FRAMING PLAN
1:100

LOW ROOF FRAMING NOTES:

- UNDERSIDE OF STEEL DECK (HIGH POINT) IS AT ELEVATION +3100mm (332.80 GEODETIC) EXCEPT AS CROSSED AND NOTED. ELEVATIONS FOR AREAS NOTED ARE TO BE READ FROM ELEVATION +3100mm.
- TOP OF STRUCTURAL STEEL BEAMS ARE AT ELEVATION +3100mm AND ARE TO BE READ FROM ELEVATION +3100mm.
- ROOF FRAMING DESIGN LOADS:
DEAD LOAD:
ROOFING w/ INSUL = 0.60kPa
STEEL DECK = 0.10kPa
FRAMING = 0.25kPa
M/E = 0.25kPa
CEILING/ INSULATION = 0.20kPa
1.40kPa
GROUND SNOW LOAD: Ss= 2.0 kPa; Sr= 0.4 kPa (KITCHENER)
SNOW ACCUMULATION LOAD: S= 2.3 kPa (INCLUDING Is)
WIND LOAD : SEE PLAN.
RTU WEIGHTS: SEE PLAN.
IMPORTANCE CATEGORY FOR THIS BUILDING IS HIGH AS OBC TABLE 4.1.2.1 (3)

- ULS IMPORTANCE FACTOR:
Is = 1.15 FOR SNOW
Iw = 1.15 FOR WIND LOAD
- TYPICAL STEEL DECK GAUGE = 0.91mm
 - ALL BEARING PLATES TO BE PL19x180x250 C/W (1)-15M 200 LG. + 50 HOOK, UNLESS OTHERWISE NOTED.
 - 'R.D.' DENOTES ROOF DRAIN. PROVIDE FRAMING AROUND DRAIN PENETRATION IN ACCORDANCE WITH TYPICAL DETAILS. NOT SHOWN ON PLAN FOR CLARITY.



DO NOT SCALE THE DRAWINGS.
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

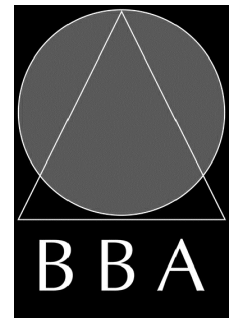


NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:
**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**
216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
**LOW ROOF
FRAMING PLAN**



**BARRY BRYAN
ASSOCIATES**
Architects
Engineers
Project Managers
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC. CONTROL: DATE:
DRAWN BY: CM/NV	% COMPLETE:
CHECKED BY: DM	INITIAL:
DATE: OCT. 2024	
SCALE: AS NOTED	
FILE: 24015 S202	

PROJECT NO: 24015	DRAWING NO: S202
-----------------------------	----------------------------

1. UNDERSIDE OF STEEL DECK (HIGH POINT) IS AT ELEVATION +5000mm (334.70 GEODETIC) EXCEPT AS CROSSED AND NOTED. ELEVATIONS FOR AREAS NOTED ARE TO BE READ FROM ELEVATION +5000mm.
2. TOP OF STRUCTURAL STEEL BEAMS ARE AT ELEVATION +5000mm AND ARE TO BE READ FROM ELEVATION +5000mm.
3. ROOF FRAMING DESIGN LOADS:

DEAD LOAD:	
ROOFING W/ INSUL	= 0.60kPa
STEEL DECK	= 0.10kPa
FRAMING	= 0.25kPa
M/E	= 0.25kPa
C/E / INSULATION	= 0.20kPa
	1.40kPa
- GROUND SNOW LOAD:

Ss = 2.0 kPa; Sr = 0.4 kPa

 (KITCHENER)

S = 2.3 kPa (INCLUDING Is)

- SNOW ACCUMULATION LOAD:

SEE PLAN

- WIND LOAD :

q(z): 0.37 kPa (KITCHENER)

- RTU WEIGHTS:

SEE PLAN

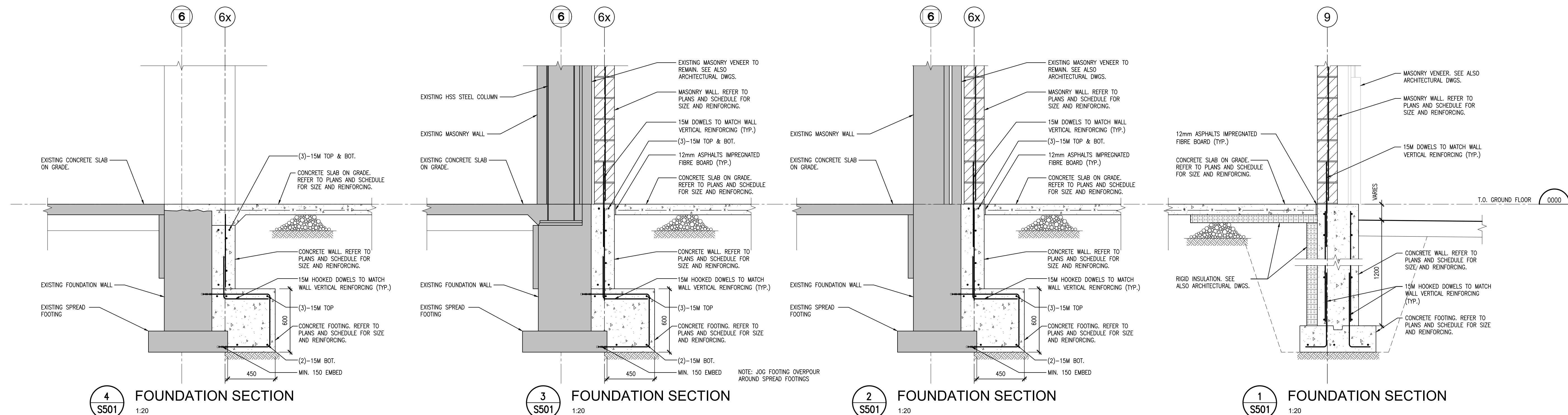
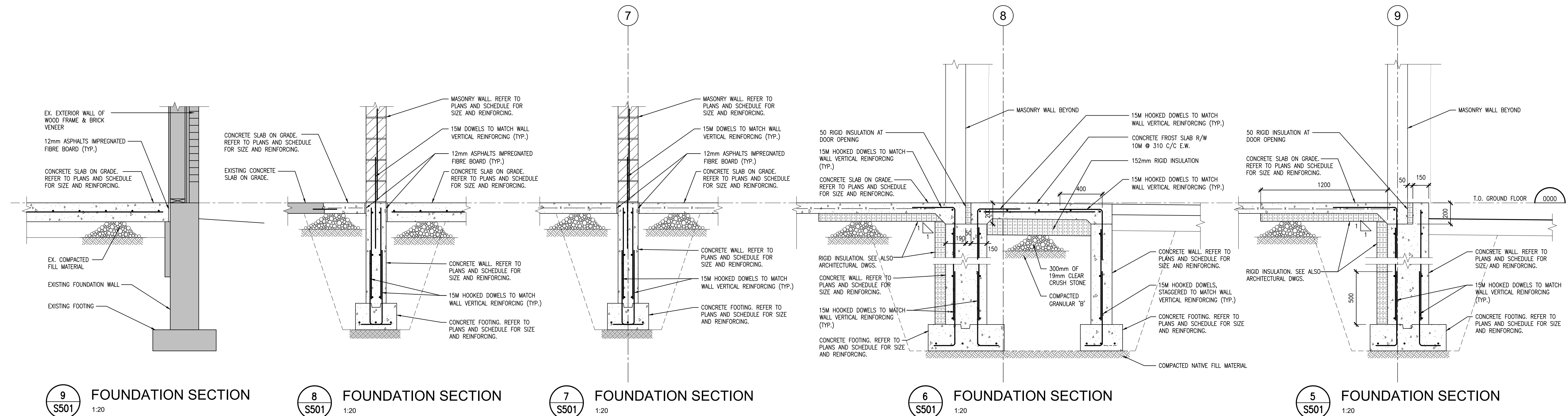
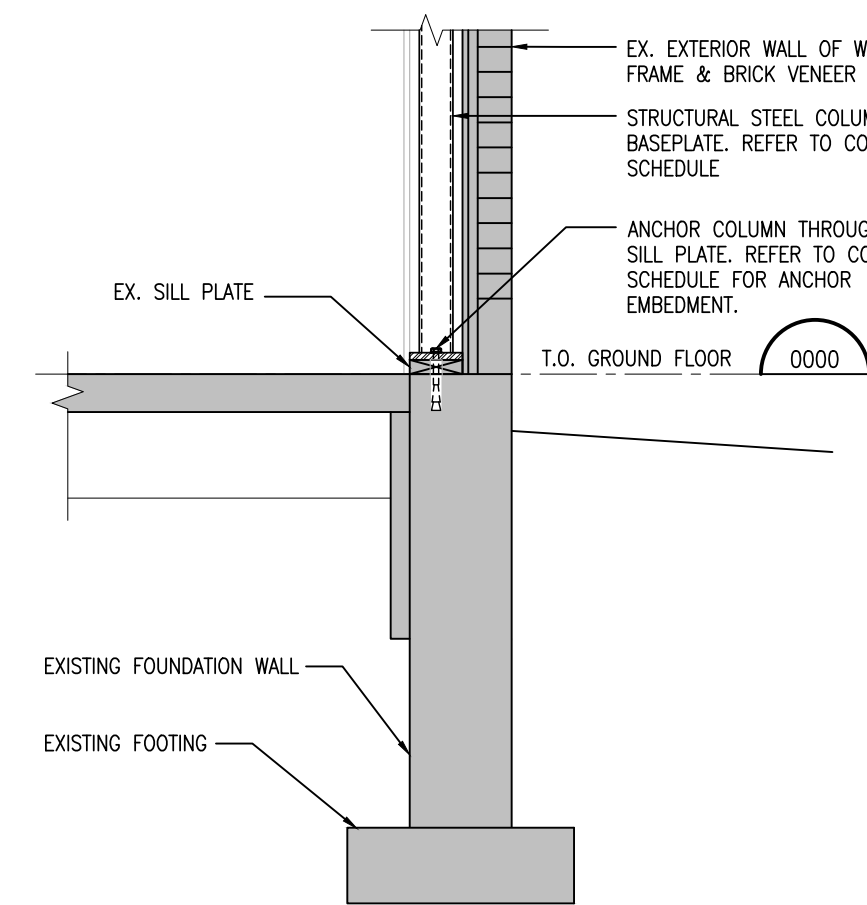
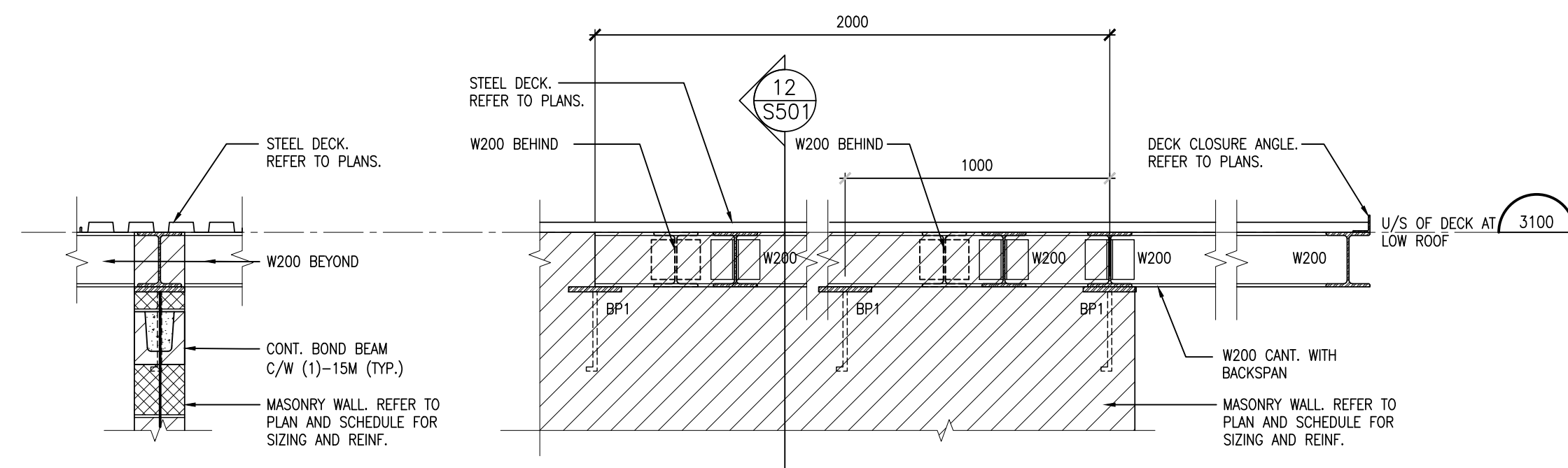
IMPORTANCE CATEGORY FOR THIS BUILDING IS HIGH AS OBC TABLE 4.1.2.1 (3)

[illegible]

DRAWING:
HIGH ROOF
FRAMING PLAN



PROJECT NO: **24015** DRAWING NO: **S203**



DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

NO.	ISSUES	DATE	BY
1	60% PROGRESS	OCT. 18 2024	BBA
2	FOR BUILDING PERMIT	DEC. 16 2024	BBA
3	ISSUED FOR 90% REVIEW	JAN 22 2025	BBA
4	ISSUED FOR TENDER	FEB. 27, 2025	BBA

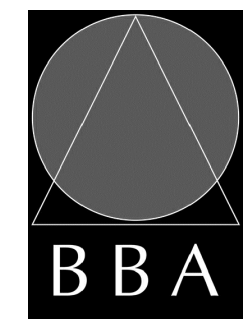
NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
SECTIONS



BARRY BRYAN ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbs@bba-archeng.com

DESIGN BY: MF	DOC. CONTROL: DATE:
DRAWN BY: CM/NV	% COMPLETE:
CHECKED BY: DM	INITIAL:
DATE: JUNE 2024	
SCALE: AS NOTED	
FILE:	

PROJECT NO:
24015

DRAWING NO:
S501



NO.	REVISIONS	DATE	BY

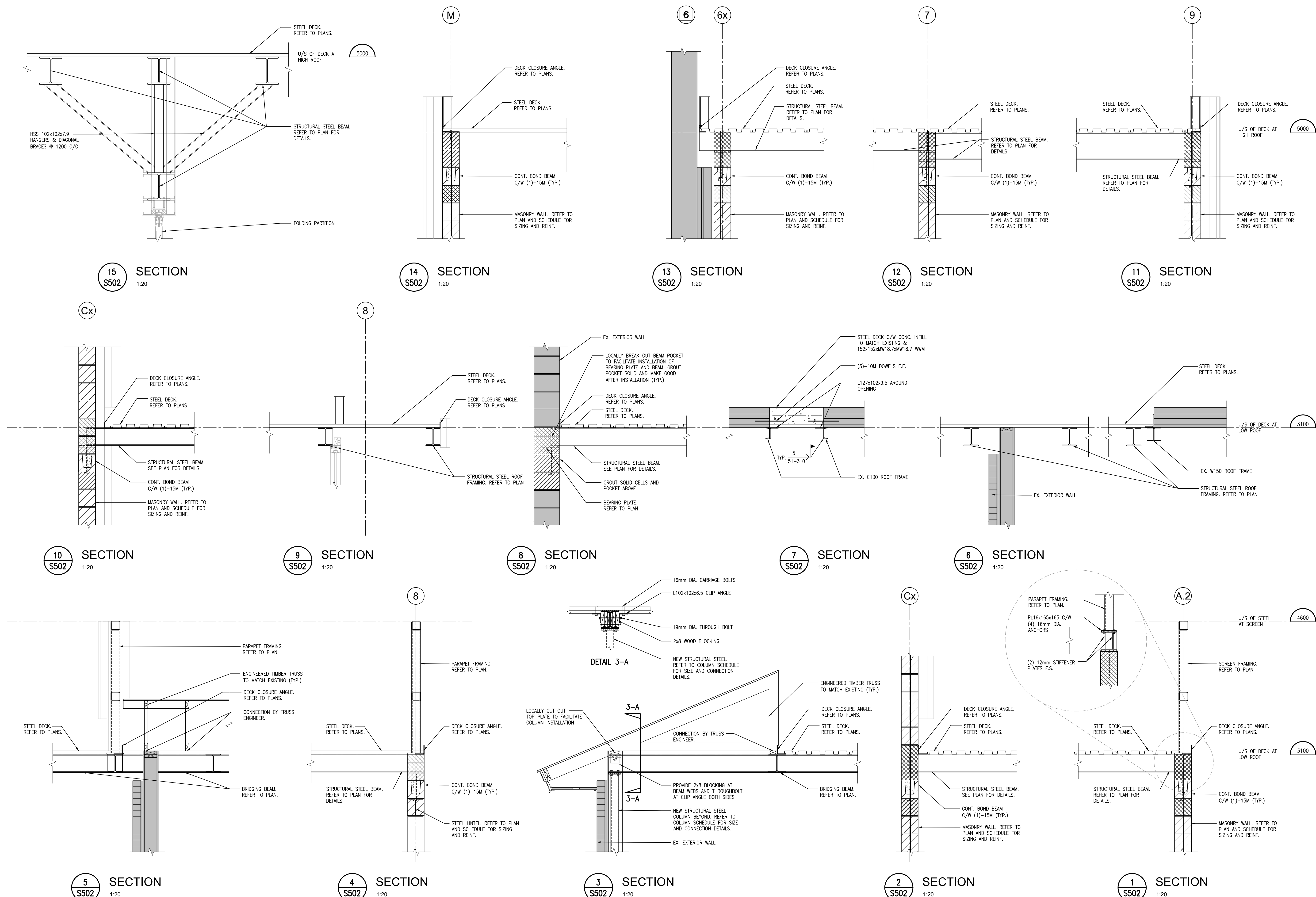
SECTIONS



DATE:
JUNE 2024

SCALE:
AS NOTED

FILE:



DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.

DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR TENDER	FEB. 27, 2025	8BA

[illegible]

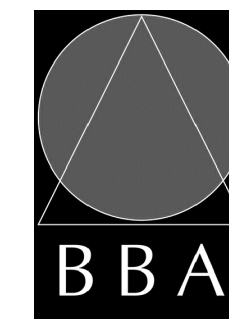
NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
SECTIONS



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

PROJECT NO.

24015

DESIGN BY:	DOC. CONTROL:
	DATE:

MF

DRAFT

LQ

CHE

DM

DATE:

FEE

SCA
AD

AS I











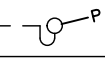

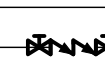

DRAWING NO.

S503

PLUMBING FIXTURE SCHEDULE

Item	Type	Connection Sizes				Acceptable Manufacturer	Fixture		Acceptable Manufacturer	Trim		Acceptable Manufacturer	Accessories	
		HW	CW	TW	Drain		Vent	Acceptable Manufacturer		Fixture Description	Trim Description		Accessories Description	
WC-1	WATER CLOSET FLUSH VALVE, WALL MOUNTED, HANDS FREE		1		3	1 1/2	AMERICAN STANDARD AFWALL 3351 001 KOHLER KINGSTON K-4325 MANSFIELD ERIE 1301 ZURN ECO VANTAGE Z5615.258.00.00.00	VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE. BOLT CAP, BACK OUTLET, WALL MOUNTED, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.5 gal) PER FLUSH. C/W FLOOR MOUNTED CARRIER	DELTA 81T201-WMWSH ZURN ZEMS6000AV SLOAN 111-ES-S	EXPPOSED, POLISHED CHROME PLATED, DIAPHRAGM TYPE FLUSH VALVE WITH 25mm (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, RECESSED WALL MOUNTED SENSOR BOX, FLUSH CONNECTION & COUPLING FOR 40mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, HARDWIRED OPERATED POWER CONVERTOR, SENSOR BOX C/W COVER, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH.	SEAT: BEMIS 2155CT CENTOCO AM500STSCSS	SEAT: BLACK, ELONGATED, OPEN FRONT, LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.		
WC-2	BARRIER FREE WATER CLOSET FLUSH VALVE, WALL MOUNTED, HANDS FREE		1		3	1 1/2	AMERICAN STANDARD AFWALL 3351 001 KOHLER KINGSTON K-4325 MANSFIELD ERIE 1301 ZURN ECO VANTAGE Z5615.258.00.00.00	VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE. BOLT CAP, BACK OUTLET, WALL MOUNTED, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.5 gal) PER FLUSH. C/W FLOOR MOUNTED CARRIER BARRIER FREE FIXTURE IS MOUNTED AT HIGHER ELEVATION (RIM AT 16"). SPECIAL ORDER LEFT/RIGHT HANDED SO THAT HANDLE IS ON ACCESS SIDE OF FIXTURE.	DELTA 81T201-WMWSH ZURN ZEMS6000AV SLOAN 111-ES-S	EXPPOSED, POLISHED CHROME PLATED, DIAPHRAGM TYPE FLUSH VALVE WITH SEAT BUMPER, 25mm (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, RECESSED WALL MOUNTED SENSOR BOX, FLUSH CONNECTION & COUPLING FOR 40mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, HARDWIRED OPERATED POWER CONVERTOR, SENSOR BOX C/W COVER, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH.	SEAT: BEMIS 7850TDG CENTOCO AM820STS	SEAT: BLACK, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.		
WC-3	WATER CLOSET FLUSH TANK ROUND FRONT FOR KINDERGARTENS		1/2		3	1 1/2	AMERICAN STANDARD BABY DEVORO 2315228 ORANGE BABY BOWL 3811 ZURN Z5590	VITREOUS CHINA, TANK WITH LINER & FLAPPER TYPE VALVE ASSY, SIPHON JET, ROUND RIM, 260mm (10 1/4") HIGH, TWO PIECE (TANK & BOWL) CLOUSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 10" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 4.8 litres (1.07 gal) PER FLUSH.			SEAT: BEMIS BB955CT CENTOCO AM2300STSCC	SEAT: BLACK, ROUND, OPEN FRONT LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.		
U-1	URINAL FLUSH VALVE, HANDS FREE		3/4		2	1 1/2	AMERICAN STANDARD WASHBROOK 6590.005 KOHLER BARDON K-4904-ET ZURN Z5750	VITREOUS CHINA, WASHOUT TYPE, INTEGRAL FLUSHING RIM, EXTENDED SHIELDS, INTEGRAL TRAP, BACK OUTLET, WALL-MOUNTED, TOP SUPPLY SPUD, MIN 2" TRAP WAY, MAXIMUM 1.9 litres (0.5 gal) PER FLUSH. C/W FLOOR MOUNTED CARRIER	DELTA 81T2131-WMWSH ZURN ZEMS6003AV-EWS SLOAN 186 ES-S-0.5	POLISHED CHROME PLATED VANDAL RESISTANT METAL COVER WITH HARDWIRED WALL-MOUNTED SENSOR, RIGHT OR LEFT-HAND SUPPLY INSTALLATION, AUTOMATIC OPERATION HARDWARE POWERED SENSOR, INFRARED SENSOR TO HAVE A RANGE ADJUSTMENT OF 305MM - 711MM (12" - 28") AND ELECTRONIC MANUAL OVERRIDE BUTTON. FLUSH CYCLE SET .9 LITRE (0.50 GAL.)				
L-1	WALL MOUNTED LAV ELECTRONIC FAUCET	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD LUCERNE 355.012 KOHLER BRENHAM K-1997 ZURN Z5344	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH UP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 557 MM X 502 MM (21 15/16" X 19 3/4").	DELTA 591T0220 MOEN COMMERCIAL CAB301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME OUT 15 TO 75 SECONDS CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 1.5gpm (5.7 L/MIN) @ 413 KPA (60 PSI) MAX. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. C/W PLUG-IN TRANSFORMER & BATTERY BACK-UP.		WASTE FITTING: OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.		
L-2	B.F. WALL MOUNTED LAV ELECTRONIC FAUCET	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD LUCERNE 355.012 KOHLER BRENHAM K-1997 ZURN Z5344	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH UP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 557 MM X 502 MM (21 15/16" X 19 3/4").	DELTA 591T0220 MOEN COMMERCIAL CAB301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME OUT 15 TO 75 SECONDS CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 1.5gpm (5.7 L/MIN) @ 413 KPA (60 PSI) MAX. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. C/W PLUG-IN TRANSFORMER & BATTERY BACK-UP.	INSULATION: MCGUIRE FROWRAP PW8902 TRUEBRO LAV GUARD	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: NPS 3/2 MM (1 1/4") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.		
L-3	COUNTER MOUNTED LAV ELECTRONIC FAUCET	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD COLONY 0346 403 KOHLER PENNINGTON K-2196 ZURN Z5110	VITREOUS CHINA SINK. SELF-RIMMING, WITH FRONT OVERFLOW, SOAP DEPRESSIONS, GASKET, SWIVEL CLAMPS, SEMI-OVAL, SUPPLY OPENINGS ON 100 MM (4") CENTRES. SIZES: 521 MM X 440 MM (20 1/2" X 17 5/8") OUTSIDE.	DELTA 591T0230 MOEN COMMERCIAL 8301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME OUT 15 TO 75 SECONDS CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 1.5gpm (5.7 L/MIN) @ 413 KPA (60 PSI) MAX. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. C/W PLUG-IN TRANSFORMER.		WASTE FITTING: OPEN GRID STRAINER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.		
S-1	STAINLESS STEEL SINGLE SINK	1/2	1/2		1 1/2	1 1/4	KINDRED RSU1925-55	SINK: SINGLE COMPARTMENT, UNDERMOUNT, ADA COMPLIANT, LEDGE-BACK. FROM 18 GAUGE STAINLESS STEEL, SELF-RIMMING, OVERALL SIZES: 23" X 17" X 5 1/2". CABINET SIZE 27".	DELTA 100 ZURN Z82300-CP8 MOEN COMMERCIAL 8701	FAUCET: CHROME PLATED BRASS, WITH SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.		
DS-1	STAINLESS STEEL DOUBLE SINK	1/2	1/2		1 1/2	1 1/4	KINDRED CDLA3322-6-3	SINK: DOUBLE COMPARTMENT TOPMOUNT DOUBLE BOWL, STAINLESS STEEL KITCHEN SINK FROM 22 GAUGE STAINLESS STEEL, ADA COMPLIANT. OVERALL SIZES: 33" X 22" X 6". CABINET SIZE 36".	DELTA 100 ZURN Z82300-CP8 MOEN COMMERCIAL 8701	FAUCET: CHROME PLATED BRASS, WITH SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.		
MS-1	MOP SINK	1/2	1/2		3	1 1/2	FIAT MSB 2424 ZURN 1996-24 STERN WILLIAMS MTB-2424	SINK: MOLDED HIGH DENSITY COMPOSITE BASIN WITH 80 mm (3") CHROME PLATED CAST BRASS DOME STRAINER AND GASKETED OUTLET CONNECTION. OVERALL SIZE: 600 mm X 600 mm X 250 mm HIGH (24" X 24" X 10").	FIAT 830-AA ZURN Z842M1-SH DELTA 2819	WALL MOUNTED FAUCET: CHROME PLATED CAST BRASS WALL MOUNTED FAUCET WITH WALL BRACE, 20 mm (3/4") THREADED OUTLET SPOUT WITH PAIL HOOK, 200 mm (8") CENTRESTE LEVER HANDLES, VACUUM BREAKER, ESCUTCHEONS, UNION INLETS, AERATOR, & INTEGRAL STOP VALVES. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 KPA (60 psi).	FIAT ZURN STERN WILLIAMS DELTA	HOSE AND HOSE BRACKET: 1200 mm (48") LONG RUBBER HOSE MOP HANGER WALL GUARD: STAINLESS STEEL 600 mm (24") HIGH CONTINUOUS ON ADJACENT WALLS.		
FD-1	FLOOR DRAIN				NOTED	1 1/2	ZURN ZN415B MIFAB F1100-C CONTOUR C2000-R6 WATTS FD-100-C-A	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER						
DF-1	DRINKING FOUNTAIN W/ BOTTLE FILLER				NOTED	1 1/2	ELKAY LZS8WSLK	18 GAUGE TYPE 304 STAINLESS STEEL CONSTRUCTION WITH VANDAL-RESISTANT BOTTOM, INTEGRAL BACK, STRAINER, ACCESS PANEL AND GRILLE, ELEVATED BUBBLER BASES. CHROME PLATED BRASS BUBBLER, PUSH-BUTTON OPERATOR, SELF-REGULATING, ANGLE STREAM, SQUIRT-PROOF, WITH NOZZLES AND GUARDS.						
RD-1	ROOF DRAIN				NOTED		ZURN ZA121-CR MIFAB R1200-BU CONTOUR C1000DMP WATTS RD-100-BED-K SMITH 1015-C-R-AD	STANDARD ROOF DRAIN WITH CAST IRON BODY WITH ALUMINUM DOME, UNDER-DECK CLAMP TO SUIT ROOF CONSTRUCTION, ROOF SUMP RECEIVER, FLASHING CLAMP RING WITH INTEGRAL GRAVEL STOP.						
HB-1	WALL HYDRANT		3/4				WATTS BD SERIES DELTA WALTEC WILKINS EMCO	20 MM (3/4") DIAMETER BRASS CONSTRUCTION, 200 PSI, 180°F PRESSURE AND TEMPERATURE LIMITS, COMPLETE WITH HOSE CONNECTION, AND WHEEL HANDLE STRAIGHT/ANGLE PATTERN TO SUIT. PROVIDE VACUUM BREAKER COMPLETE WITH HOSE CONNECTION.						

MECHANICAL LEGEND

Item	Description	Item	Description
— — — — —	ITEM TO BE REMOVED	— I —	SCREWED OR WELDED PIPE CAP
— + —	CUT EXISTING & CONNECT NEW PIPING	— M —	PLUG VALVE
— ► —	FLOW DIRECTION	— B —	BALL VALVE
— · — · —	POTABLE COLD WATER	— BV —	BALANCING VALVE
— · · —	POTABLE HOT WATER	— M —	WATER METER
— · · — T —	POTABLE TEMPERED HOT WATER	— O —	FLOOR CLEANOUT
— · · · —	POTABLE HOT WATER RECIRC.	— I CO —	LINE CLEANOUT
— — SAN — EX —	EXISTING SAN ABOVE FLOOR	— G —	THERMOSTAT (WITH GUARD WHERE INDICATED)
— — SAN — EX —	EXISTING SAN BELOW FLOOR	— >>>> —	TURNING VANES
— — SAN — —	SANITARY ABOVE FLOOR		SUPPLY AIR DUCT
— — SAN — —	SANITARY BELOW FLOOR		RETURN/EXHAUST AIR DUCT
— STM — EX —	EXISTING STM ABOVE FLOOR		ACOUSTIC DUCT LINING
— STM — EX —	EXISTING STM BELOW FLOOR		THERMAL INSULATION
STM — — — —	STORM ABOVE FLOOR		BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
STM — — — —	STORM BELOW FLOOR		TRUNK MAIN BRANCH COLLAR C/W BALANCING DAMPER
— — CD — —	CONDENSATE DRAIN	— BD —	BALANCING DAMPER
— — G — —	NATURAL GAS		FIRE DAMPER
FD  —	FLOOR DRAIN		RECTANGULAR DUCTWORK
FD BW  —	FLOOR DRAIN WITH BACKWATER VALVE	— — — — —	RIGID ROUND DUCT
—  —	TRAP PRIMER	— — — — —	FLEXIBLE ROUND DUCT
— T —	TEE CONNECTION	— — — A — —	ACOUSTICAL, FLEXIBLE ROUND DUCT
— c —	PIPE DOWN		DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
— o —	PIPE UP	— AD —	ACCESS DOOR
	DOUBLE CHECK BACKFLOW PREVENTOR	— EXP —	EXPANSION JOINT
	REDUCED PRESSURE BACKFLOW PREVENTOR	— EX —	EXISTING DUCT (SIZE AS INDICATED)

GENERAL NOTES

- A. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- B. CONTRACTOR TO INCLUDE COST FOR CONSULTANT TO COMPLETE ELECTRONIC CAD AS-BUILT DWGS (ALL PAGES). REFER TO SPEC SECTION 20 02 51 - RECORD DWGS.
- C. ALL PIPING, DUCTWORK, AND EQUIPMENT IS TO BE RESTRAINED TO MEET SEISMIC CODE REQUIREMENTS. SUPPLY AND INSTALL ALL SEISMIC RESTRAINT MATERIALS TO MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SPECIFICATION.
- D. SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL ADOPTED REQUIREMENTS. PROVIDE COORDINATING VENTS FOR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MIN 14" -0" FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- E. WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ. CO-ORDINATE WITH THE GENERAL CONTRACTOR ANY OWSJ BRIDGING/CROSS BRACING RELOCATION OR REMOVAL/REPLACEMENT REQUIRED FOR INSTALLATION OF DUCTWORK.
- G. CONTRACTOR TO LOCATE ISOLATION VALVES / FREEZE PIPING / OR OTHERWISE DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED.
- H. UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE PERFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:
 - POTABLE WATER TEST (SEE SPEC 22 11 16 PART 3)
 - BACKFLOW TEST CERTIFICATE(S) FOR ALL TESTABLE DEVICES
 - COPY OF MANDATORY TSSA/CASA-BA149 GAS PRESSURE TEST TAG.ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings show general arrangement of services. Allowance for the building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same as meet the requirement of the Consultant.

Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the written consent of the Consultant.

Do not scale this drawing.

© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	MP
2	ISSUED FOR REVIEW	OCT 02 2024	MP
3	ISSUED FOR 66% REVIEW	OCT 22 2024	MP
4	ISSUED FOR 90% REVIEW	DEC 13 2024	MP
5	ISSUED FOR PERMIT	DEC 16 2024	MP
6	ISSUED FOR TENDER	FEB 27 2025	MP

[illegible]

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



PROJECT:

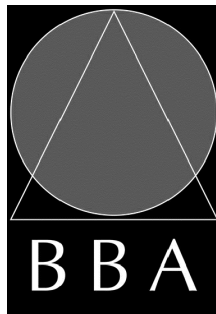
MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

LEGENDS & SCHEDULES

(1 OF 2)



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario

L1N 0G5
Tel: (905) 666-5252

Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY:	DOC. CONTROL
	DATE:

DRAWN BY:	% COMPLETE:
-----------	-------------

CHECKED BY:	INITIAL:
-------------	----------

DATE: _____

MAY 2024
SCALE:

AS NOTED

PROJECT NO.

24015

DRAWING NO.

M101

GRILLE SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description
D1	SQUARE CEILING DIFFUSER	YES	NONE	EH PRICE SCD4	MULTICONE, FULLY ADJUSTABLE, 24x24, ALUMINUM CEILING DIFFUSER W/ROUND NECK. SUITABLE FOR LAY-IN T-BAR CEILING, OR DRYWALL CEILING WHEN C/W FRAME.
LD1	LINEAR CEILING DIFFUSER	NO	NONE	EH PRICE SDS-100, SDAI	3 SLOT (1" WIDE) LINEAR DIFFUSER, EXTRUDED ALUMINUM CONSTRUCTION, 180° AIR PATTERN ADJUSTMENT, SUITABLE FOR STANDARD LAY-IN T-BAR CEILING W/MITRED END FLANGES, & INSULATED PLENUM. LENGTH AS INDICATED.
R1	CEILING RETURN GRILLE (DUCTED)	NO	NONE	EH PRICE 80-FA	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
E1	CEILING EXHAUST GRILLE (DUCTED)	NO	NONE	EH PRICE 80-FA	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
DG1	DOOR GRILLE	NO	NONE	EH PRICE STG1-BF	HEAVY DUTY, STEEL, LOUVRED FACED GRILLE C/W 1 1/4" FLAT BORDER ON BOTH SIDES & SCREWED FASTENING FOR SURFACE MOUNTING.

GENERAL DIFFUSER/GRILLE NOTES:
1. ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER, CARNES, METALAIRE, TUTTLE & BAILEY
2. GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.
3. PAINT INTERIOR OF DUCTWORK BEHIND GRILLE MATT BLACK (WHERE VISIBLE THRU GRILLE).

HUMIDIFICATION EQUIPMENT SCHEDULE

Mark	Description	Capacity lbsa/h	Fill Rate gpm	Drain Rate gpm	MAX. PRESSURE Psi	Acceptable Manufacturer	Voltage	MCA	MOCP	Description
HG-1	STEAM GENERATING HUMIDIFIER	47	3.8	6.7	80	CONDAIR RS 045/550-600/3	575/3/60	15.4	20.0	STEAM GENERATING C/W RO SYSTEM WATER

WATER HEATER SCHEDULE

Item	Type	Input		Water Side			Manufacturer & Model	Remarks							
		Capacity	Medium	Storage Gallons	Storage Litres	Recovery 1/h									
WH-1	DOMESTIC WATER HEATER	18kW	ELECTRIC	119	450	279	AO SMITH DRE-120-18	ELECTRIC WATER HEATER, 3 ELEMENTS @ 6kW 575/3/60, C/W THERMOSTATIC MIXING VALVE.							

PACKAGED HEAT PUMP HVAC UNIT SCHEDULE

Item	Type	Nominal Capacity					ESP in wc	Motor hp	Cooling				Heating			Electrical Data			Acceptable Manufacturer	Notes
		tons	Outdoor Air cfm	Supply Air cfm	HP COP @ 47°F	HP COP @ 17°F			Total Cap. MBH	Sens. Cap. MBH	Ent db/wb °F	LVG db/wb °F	High Gas input MBH	HP Output @ 47°F MBH	HP Output @ 17°F MBH	Voltage	MCA	MOCP		
HVAC-1	PACKAGED ASHP ROOFTOP HVAC UNIT WITH BACK-UP GAS HEAT	10.0	710	4000	3.29	2.96	1.5	5	139.9	99.7	75.4/62.4	53.9/52.9	195	103.9	67.0	575/3/60	29	35	AAON RN-011	SIDE DISCHARGE & DOWN RETURN, C/W 24" INSULATED ROOF CURB, ERV WHEEL (75.1% MIN EFFECTIVENESS)
HVAC-3	PACKAGED ASHP ROOFTOP HVAC UNIT WITH BACK-UP GAS HEAT	10.0	710	4000	3.20	2.76	1.5	5	143.2	101.3	75.3/62.3	53.3/52.0	270	108.5	64.9	575/3/60	26	35	AAON RN-011	DOWN DISCHARGE & RETURN, C/W 24" INSULATED ROOF CURB, ERV WHEEL (75.1% MIN EFFECTIVENESS)
GENERAL HVAC UNIT NOTES: 1. ACCEPTABLE MANUFACTURERS: DAIKIN, AAO, VALENT. 2. UNITS HAVE 5:1 GAS MODULATING BURNER (UNDER 7.5 TONS) AND 10:1 MODULATING BURNER ABOVE, MODULATING INVERTER COMPRESSOR AND FLOATING HEAD PRESSURE CONTROL HEAT PUMP SYSTEM C/W REVERSING VALVE FOR HEATING AND COOLING, PLUS 0-100% MODULATING ECONOMIZER, DIRECT DRIVE PLENUM FANS. PROVIDE STANDARD INSULATED 24" HIGH ROOF CURB, CONDENSER COIL GUARD, POWER EXHAUST ON UNITS 7.5 TONS AND LARGER, ECONOMIZER, AND ALL HOODS & INLET SCREENS, 2 SETS OF MERV 13 DISPOSABLE FILTERS. 3. CONTROLS: SYSTEM CONTROLS BY BAS CONTRACTOR, PROVIDE INTEGRAL BACnet CONTROLLER CONVERTED TO METRIC UNITS. ECONOMIZER AND POWER EXHAUST CONTROL VIA THE BAS.																				

FAN SCHEDULE

Item	Type	Capacity cfm	ESP in. wc	Fan Speed rpm	Motor hp	Voltage	Acceptable Manufacturer	Description
EF-1	INLINE EXHAUST FAN	600	0.5	695	Fhp	120/1/60	GREENHECK CSP-A900	IN-LINE FAN WITH A DIRECT DRIVE MOTOR, ACOUSTICALLY INSULATED GALV STEEL HOUSING, FORWARD INCLINED CENTRIFUGAL FAN, SIDE ACCESS PANELS, C/W BACKDRAFT DAMPER, VIBRATION ISOLATION HANGERS AND A SPEED CONTROLLER.
EF-2	CEILING EXHAUST FAN	150	0.20	710	Fhp	120/1/60	BROAN L150MG	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES
GENERAL FAN NOTES: 1. ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, ACME, TWIN CITY, JENCO, BUFFALO. (CEILING FANS: BROAN, GREENHECK, ZONEX)								


WVT CONTROL DAMPER SCHEDULE

Item	Type	Capacity (cfm)						Size		Electrical		Manufacturer & Model	Remarks
		Design	Min. Vent	Heating		Cooling		Neck	Box	Capacity (kW)	Voltage		
				Min	Max	Min	Max						
WT-1.0	BYPASS	38x12											
WT-1.1	SINGLE TERMINAL CONTROL BOX	300	120	180	240	90	390	8	10	3.0	575/3/60	KRUGER: LMHS-LC EH PRICE: SDV-OS	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES
WT-1.2	SINGLE TERMINAL CONTROL BOX	500	200	300	400	150	650	10	12	5.0	575/3/60	KRUGER: LMHS-LC EH PRICE: SDV-OS	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	MP
2	ISSUED FOR REVIEW	OCT 02 2024	MP
3	ISSUED FOR 66% REVIEW	OCT 22 2024	MP
4	ISSUED FOR 90% REVIEW	DEC 13 2024	MP
5	ISSUED FOR PERMIT	DEC 16 2024	MP
6	ISSUED FOR TENDER	FEB 27 2025	MP

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



33 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-743-3555
Website: deiconsulting.ca
Project Number: 24015

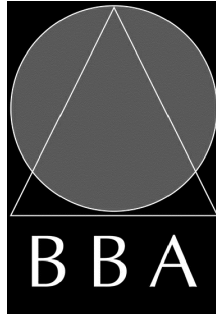
PROJECT:

MILL COURTLAND COMMUNITY CENTRE ADDITION


216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

SCHEDULES (2 OF 2)



BARRY BRYAN ASSOCIATES
Architects
Engineers
Project Managers
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-6252
Fax: (905) 666-6256
e-mail: bba@bba-archeng.com



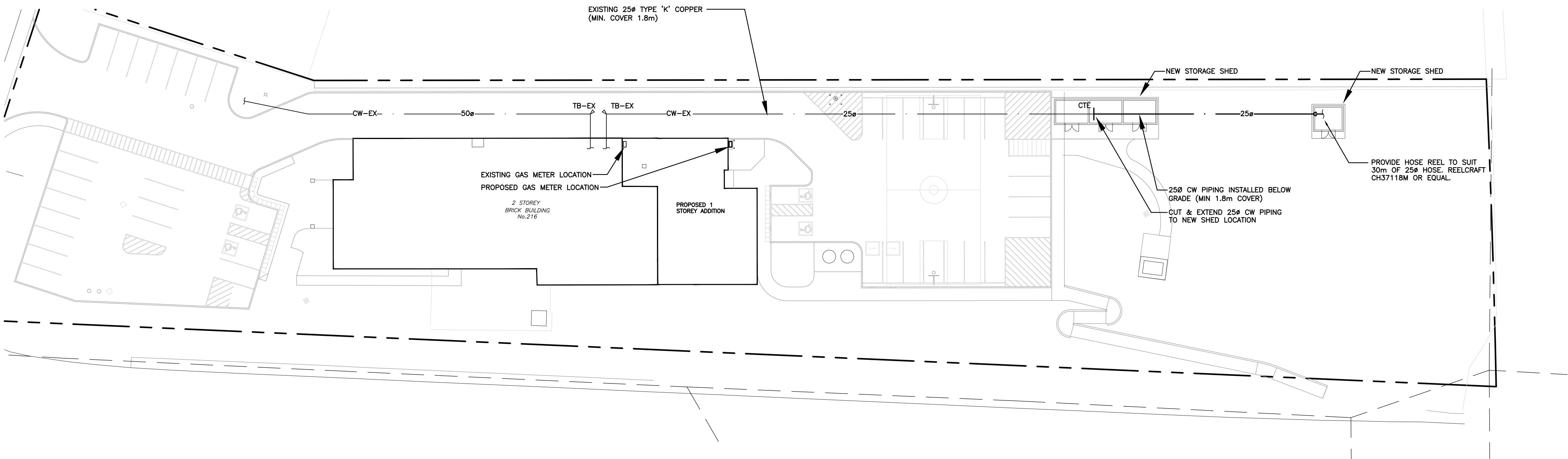
DESIGN BY:
STV
DRAWN BY:
SS
CHECKED BY:
MP
DATE:
MAY 2024
SCALE:
AS NOTED
FILE:

PROJECT NO:

24015

DRAWING NO:

M102

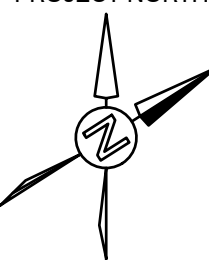


SITE PLAN-RENOVATION
SCALE: 1:300

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	MP
2	ISSUED FOR REVIEW	OCT 02 2024	MP
3	ISSUED FOR 66% REVIEW	OCT 22 2024	MP
4	ISSUED FOR 90% REVIEW	DEC 13 2024	MP
5	ISSUED FOR PERMIT	DEC 16 2024	MP
6	ISSUED FOR TENDER	FEB 27 2025	MP

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



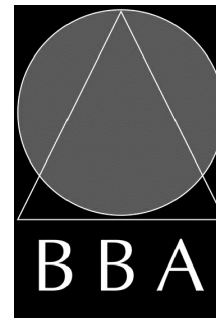
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

SITE PLAN



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-6252
Fax: (905) 666-6256
e-mail: bba@bba-archeng.com



DESIGN BY:
STV

DRAWN BY:
SS

CHECKED BY:
MP

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

DOC CONTROL:
DATE:

% COMPLETE:

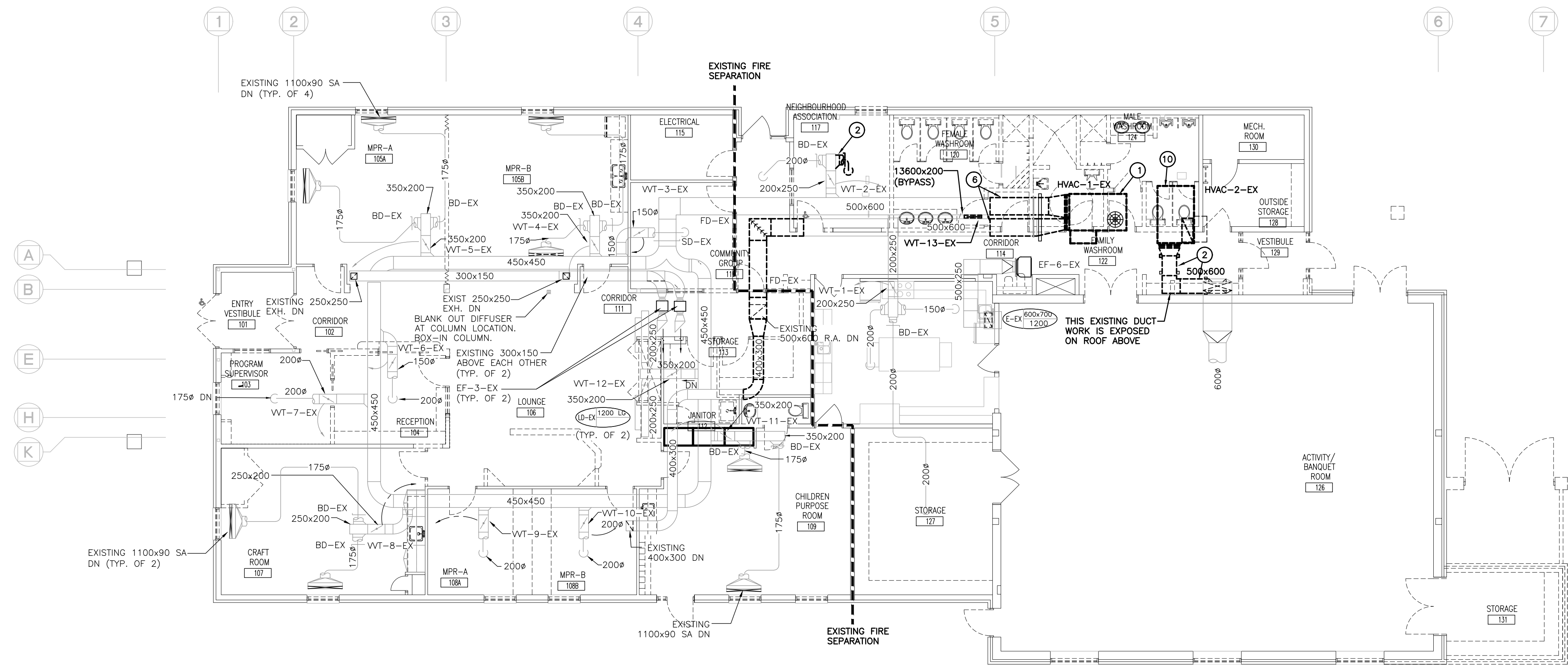
INITIAL:

PROJECT NO:

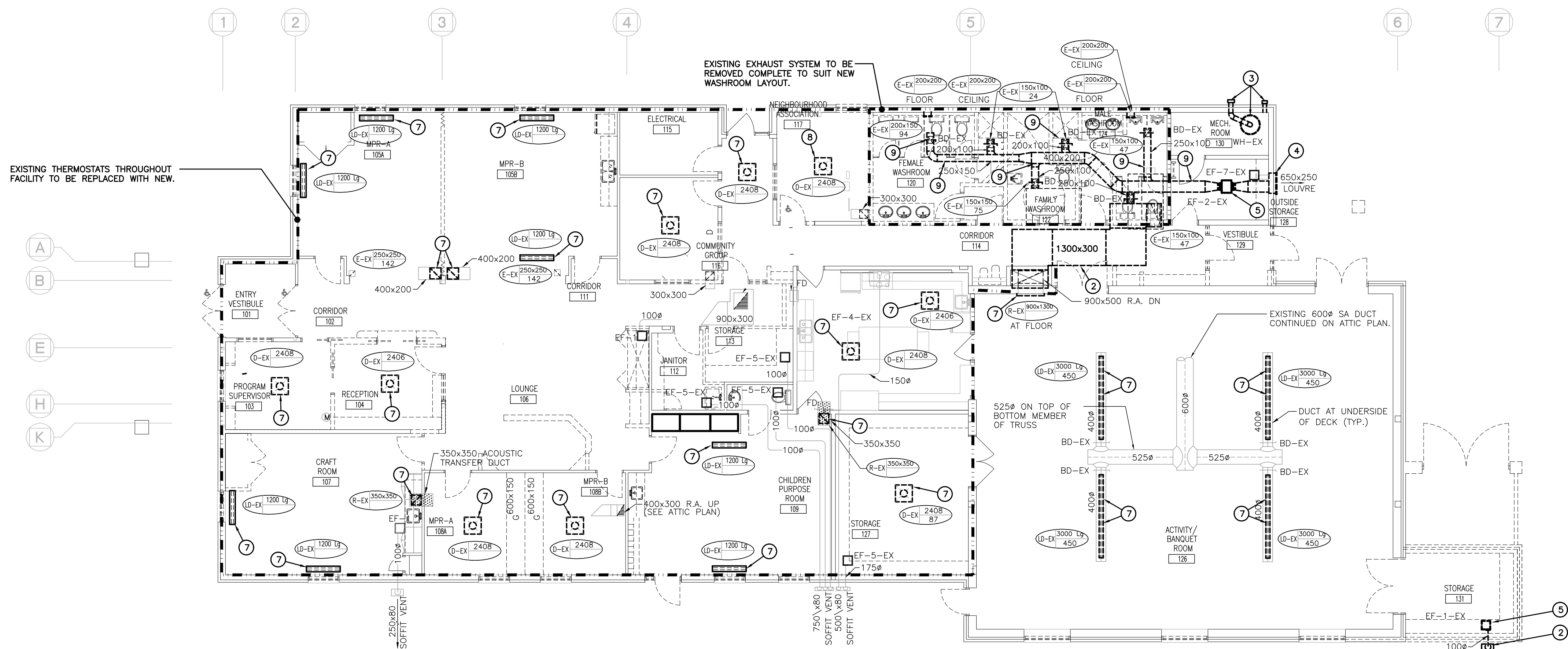
24015

DRAWING NO:

M103



EXISTING ATTIC PLAN HVAC – DEMOLITION
SCALE: 1:100



EXISTING GROUND FLOOR PLAN – DEMOLITION
SCALE: 1:100

GENERAL DEMOLITION NOTES

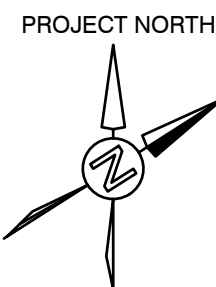
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

- EXISTING HVAC UNIT TO BE REMOVED AND REPLACED WITH NEW.
- EXISTING DUCTWORK TO BE REMOVED COMPLETE.
- EXISTING GAS FIRED WATER HEATER TO BE REMOVED COMPLETE. EXISTING EXH/INTAKE VENTS TO BE REMOVED. PATCH WALL AND MAKE GOOD USING LIKE MATERIALS.
- EXISTING EXH LOUVER TO BE RELOCATED TO SUIT ADDITION.
- EXISTING EXH FAN TO BE REMOVED COMPLETE.
- EXISTING DUCTWORK TO BE REMOVED COMPLETE. PREPARE FOR NEW CONNECTION.
- EXISTING GRILLE/DIFFUSER TO BE REMOVED, CLEANED, AND REINSTALLED.
- EXISTING GRILLE/DIFFUSER TO BE REMOVED COMPLETE.
- EXISTING EXHAUST SYSTEM TO REMOVED COMPLETE TO SUIT NEW WASHROOM LAYOUT.
- EXISTING HVAC UNIT TO BE REMOVED AND REINSTALLED TO FACILITATE ROOFING WORK ABOVE.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	MP
2	ISSUED FOR REVIEW	OCT 02 2024	MP
3	ISSUED FOR 66% REVIEW	OCT 22 2024	MP
4	ISSUED FOR 90% REVIEW	DEC 13 2024	MP
5	ISSUED FOR PERMIT	DEC 16 2024	MP
6	ISSUED FOR TENDER	FEB 27 2025	MP



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



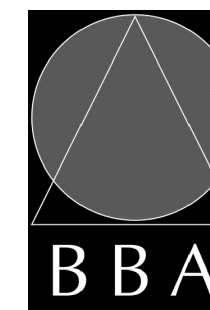
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**GROUND FLOOR PLAN -
HVAC - DEMOLITION**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-6252
Fax: (905) 666-6256
e-mail: bba@bba-archeng.com



DESIGN BY:
STV

DRAWN BY:
SS

CHECKED BY:
MP

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

DOC CONTROL:
DATE:

% COMPLETE:

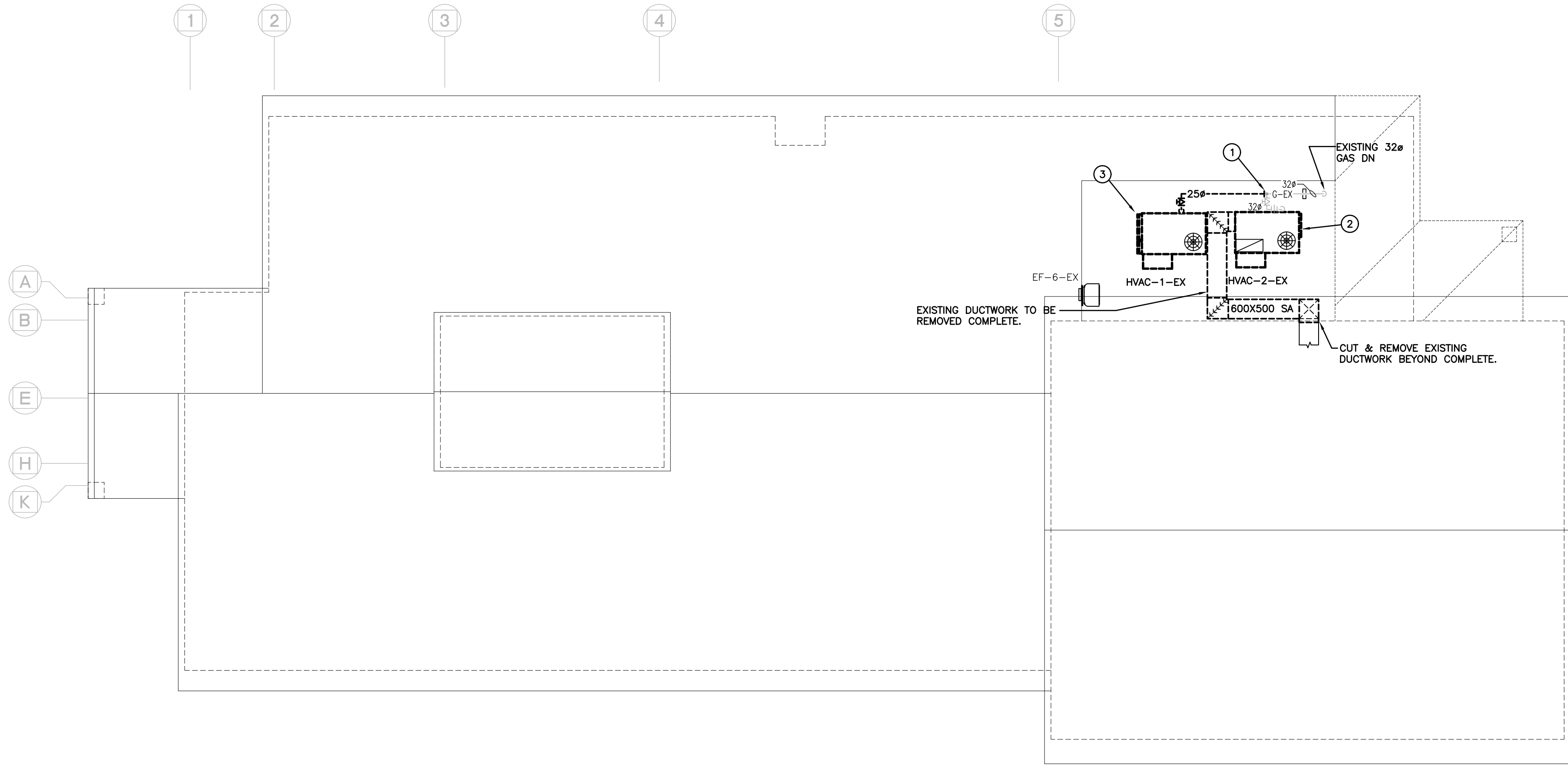
INITIAL:

PROJECT NO:

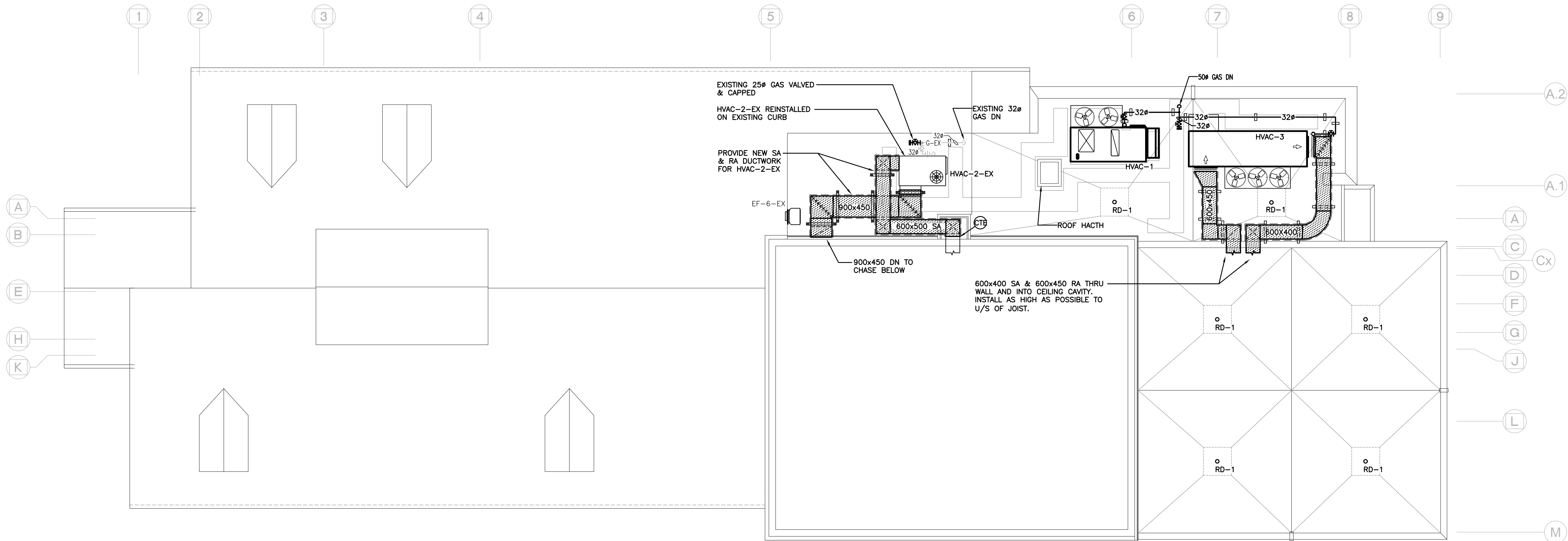
24015

DRAWING NO:

M202



ROOF PLAN — DEMOLITION
SCALE: 1:100

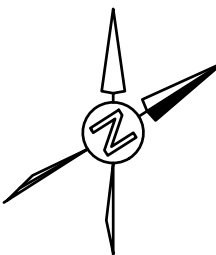


ROOF PLAN — RENOVATION
SCALE: 1:100

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	MP
2	ISSUED FOR REVIEW	OCT 02 2024	MP
3	ISSUED FOR 66% REVIEW	OCT 22 2024	MP
4	ISSUED FOR 90% REVIEW	DEC 13 2024	MP
5	ISSUED FOR PERMIT	DEC 16 2024	MP
6	ISSUED FOR TENDER	FEB 27 2025	MP

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



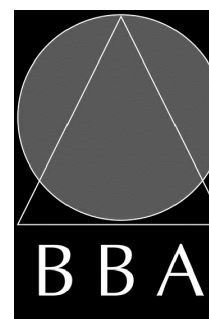
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

ROOF PLAN



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY:
STV

DRAWN BY:
SS

CHECKED BY:
MP

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

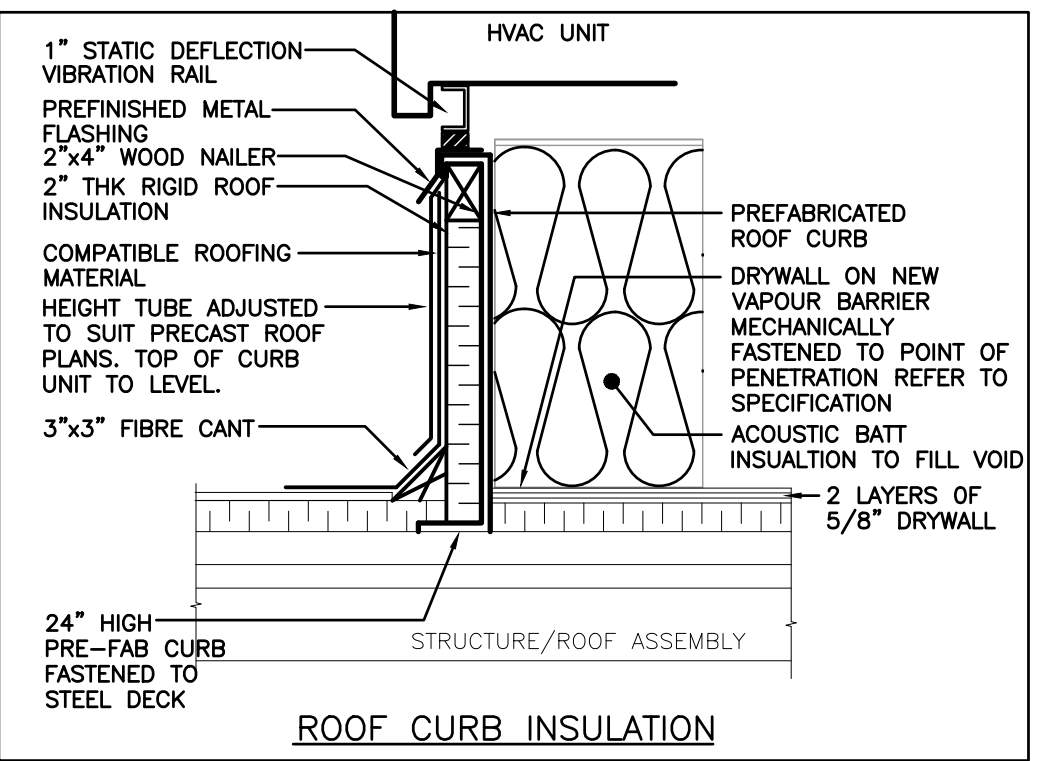
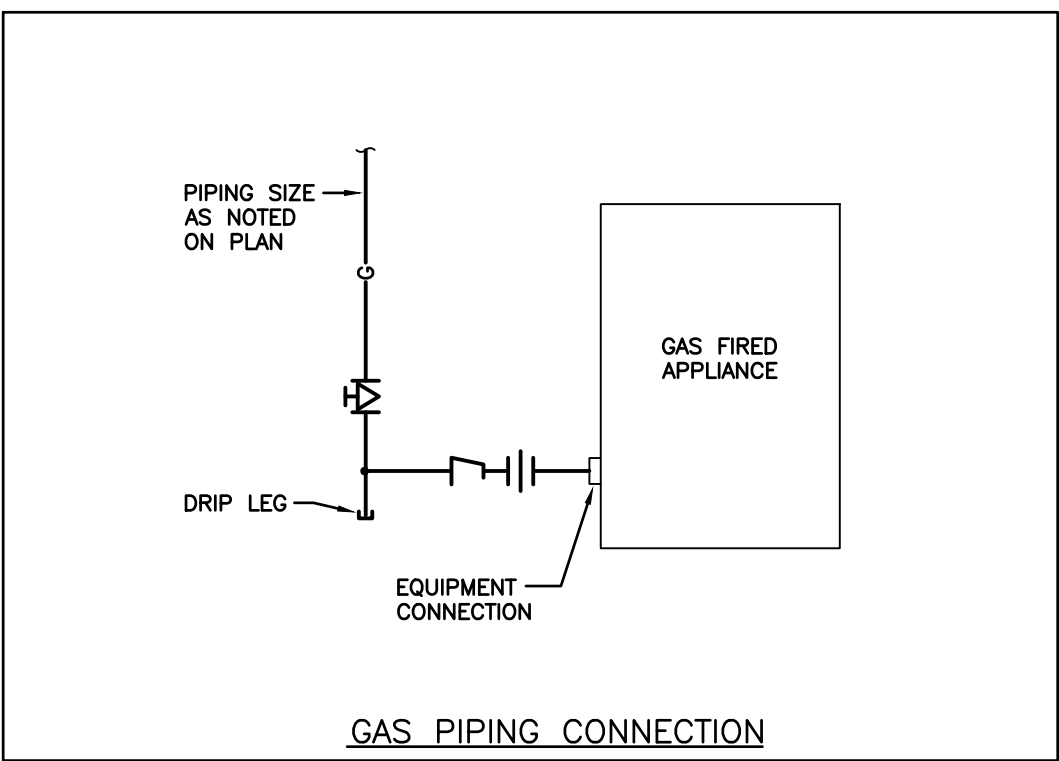
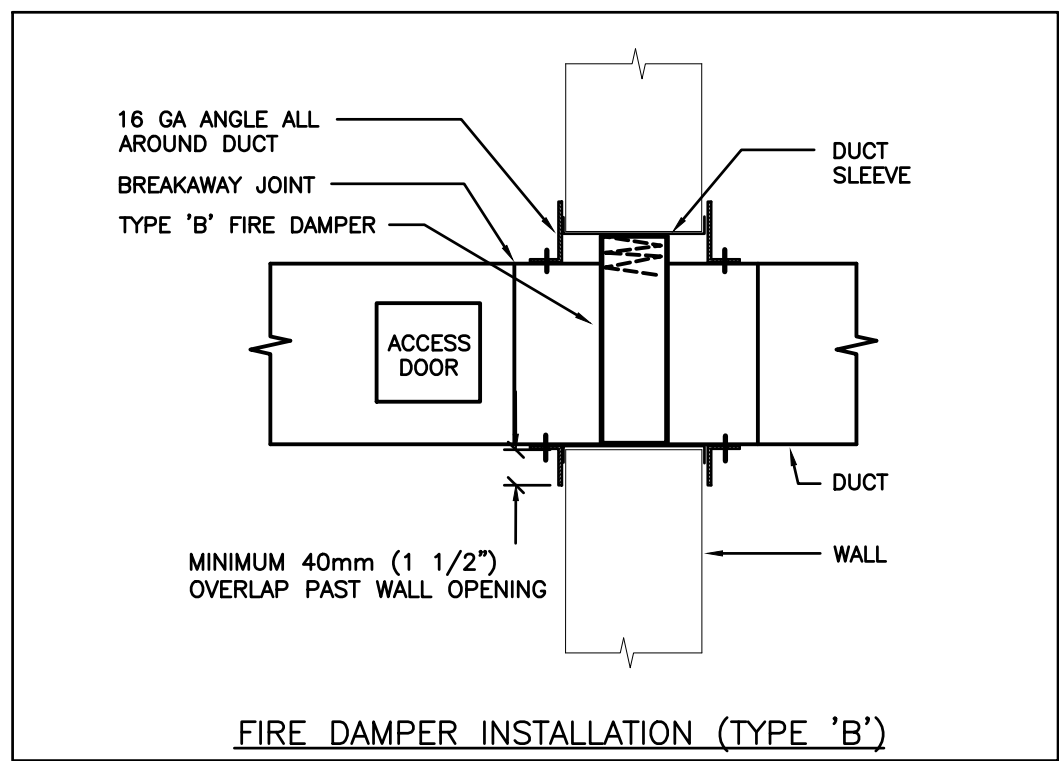
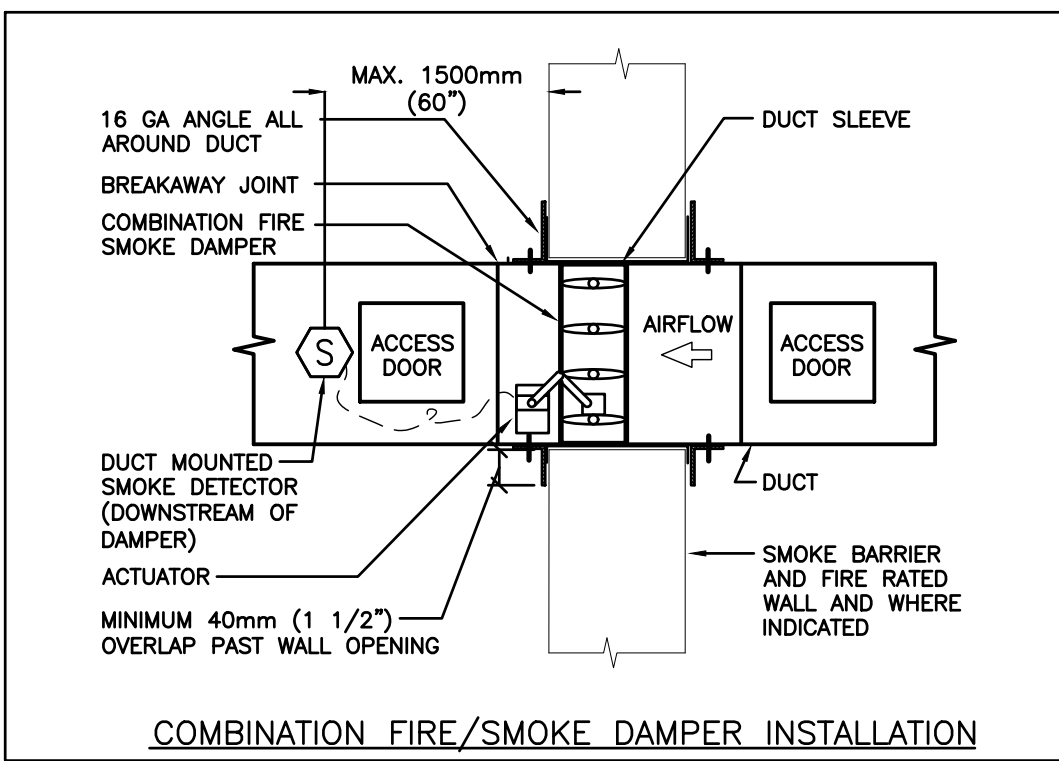
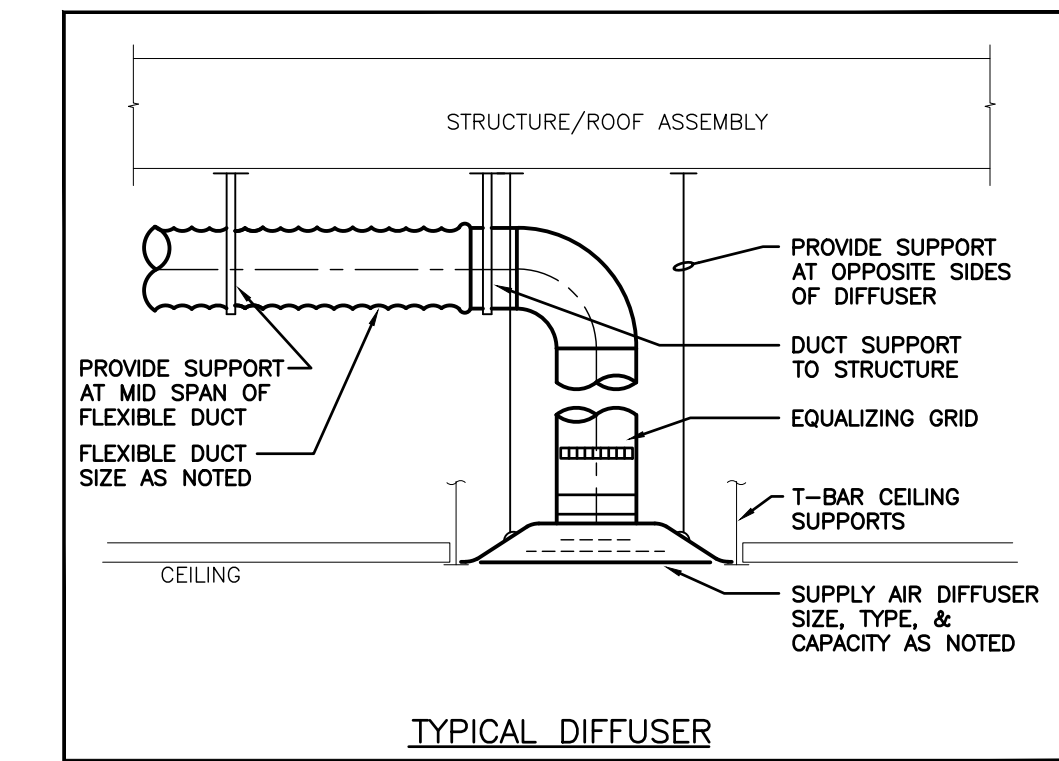
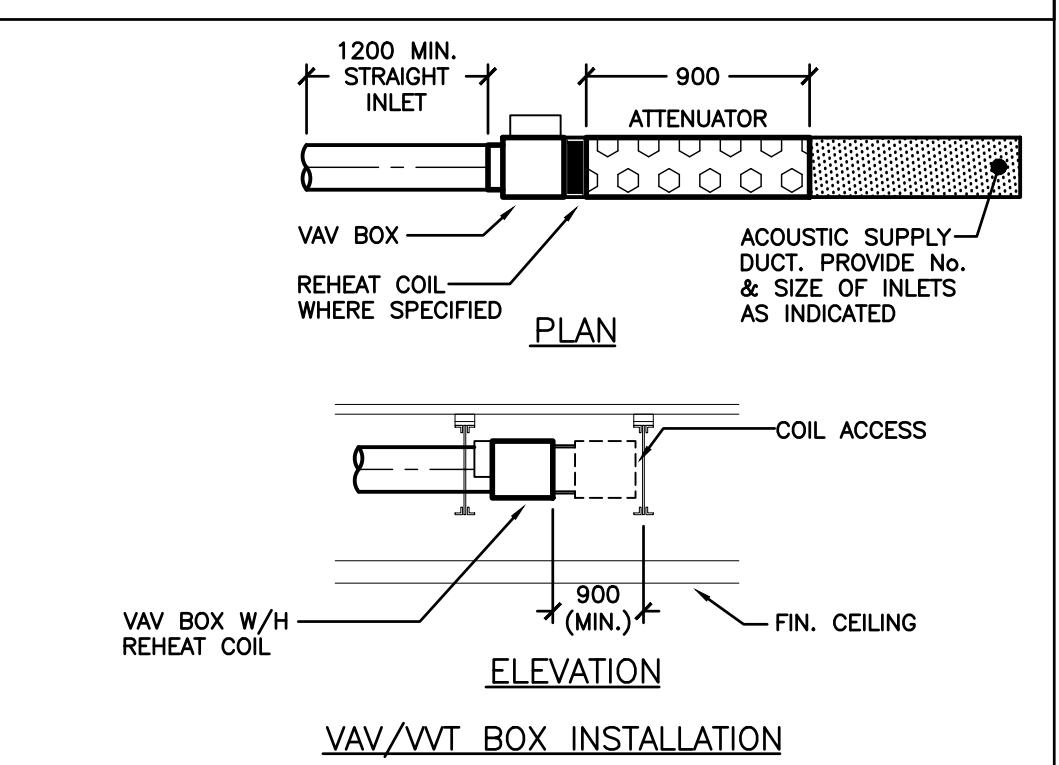
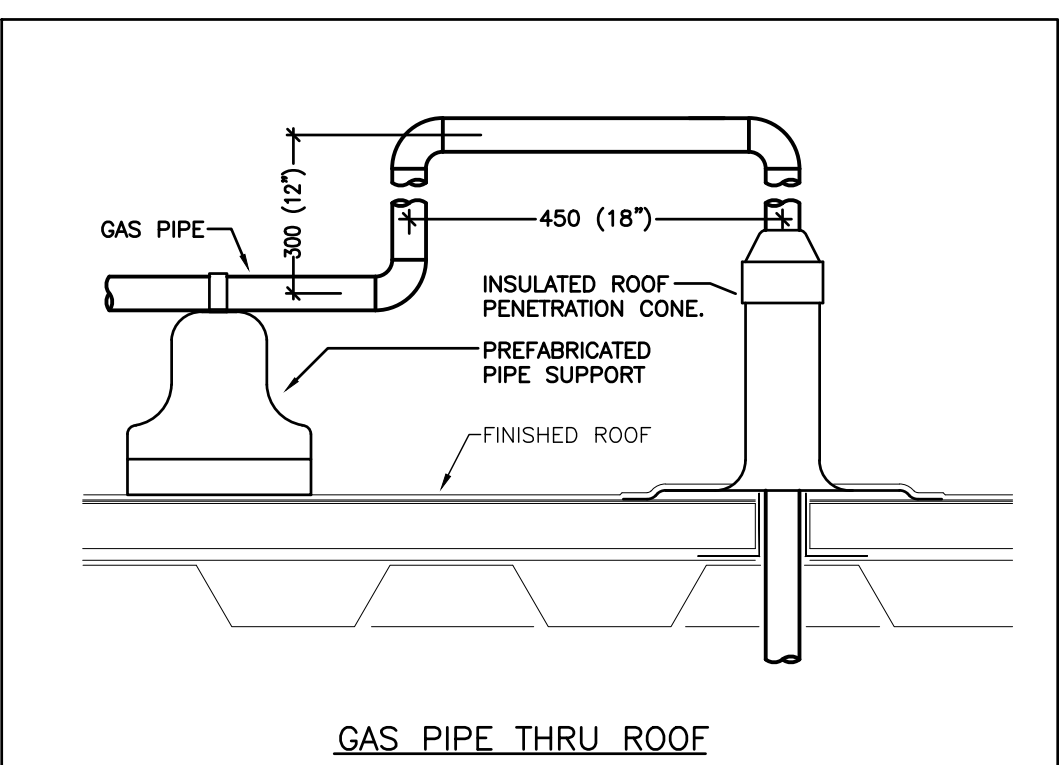
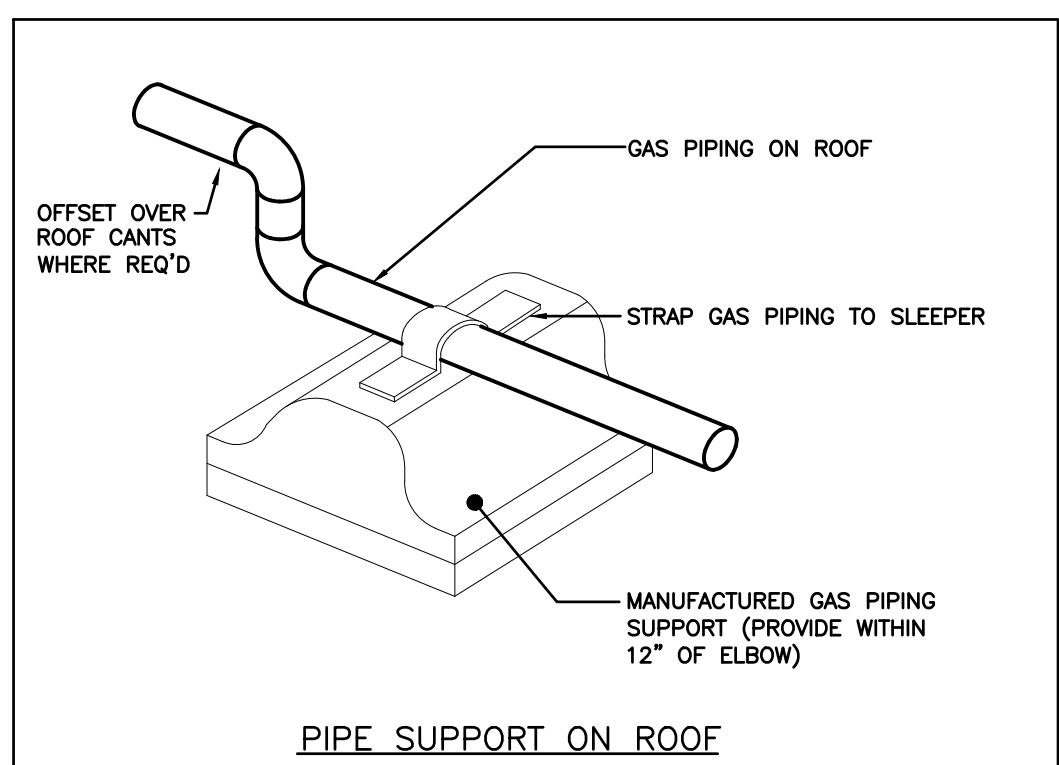
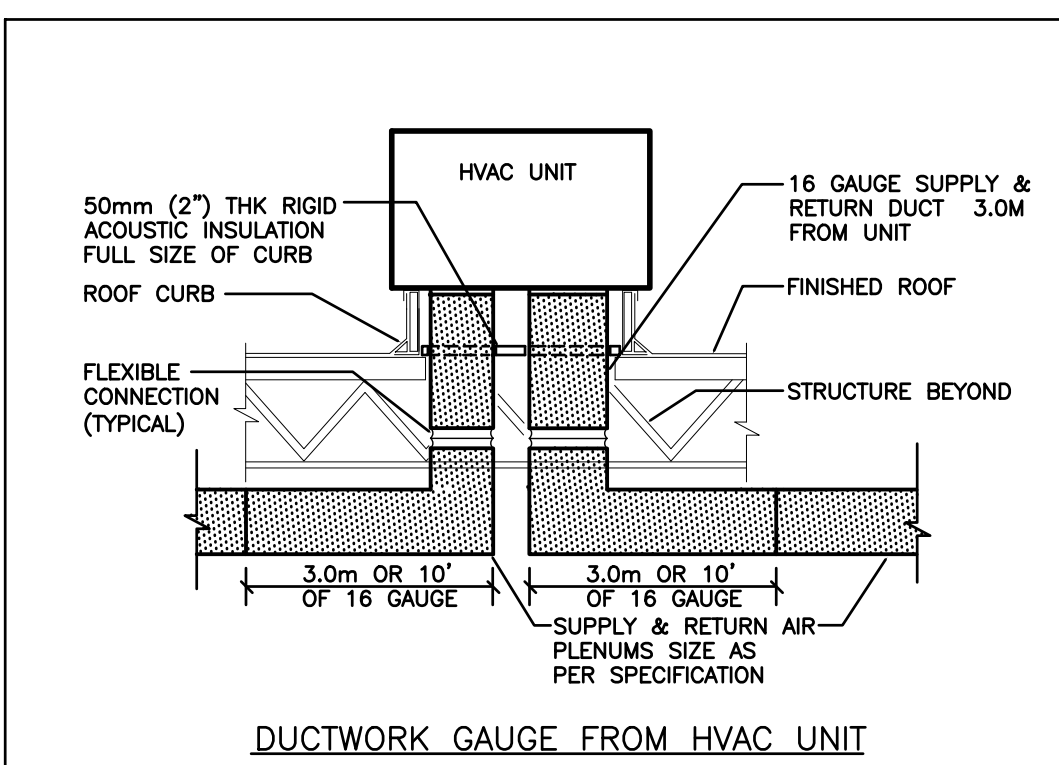
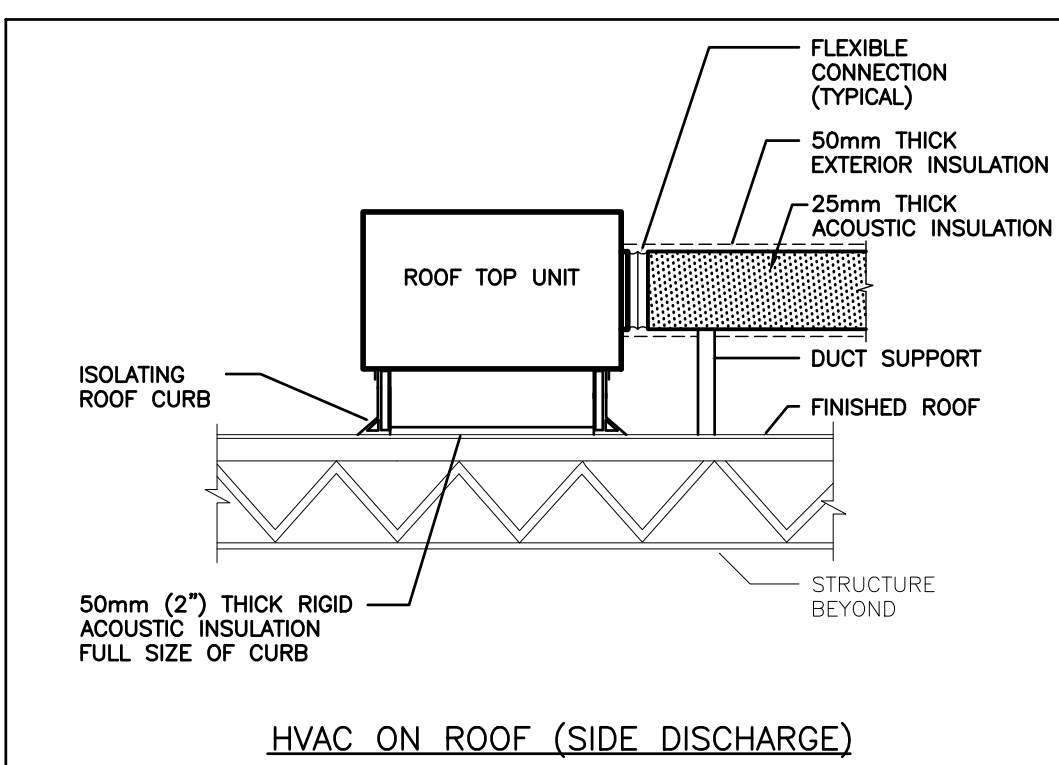
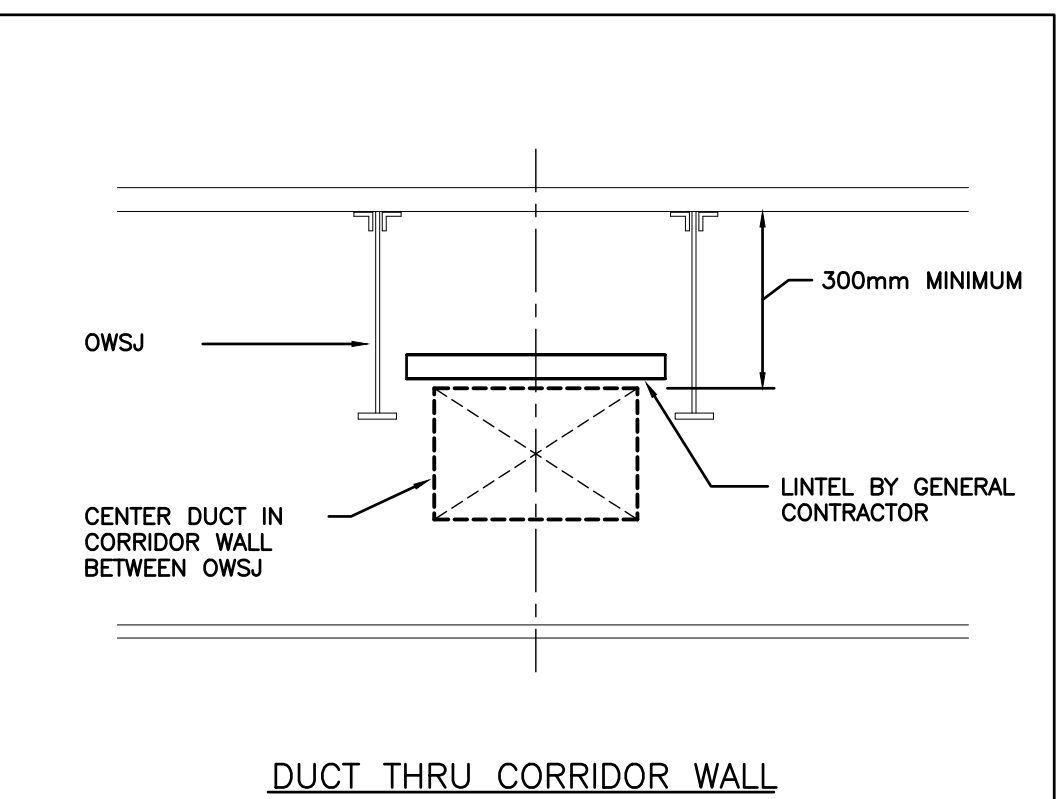
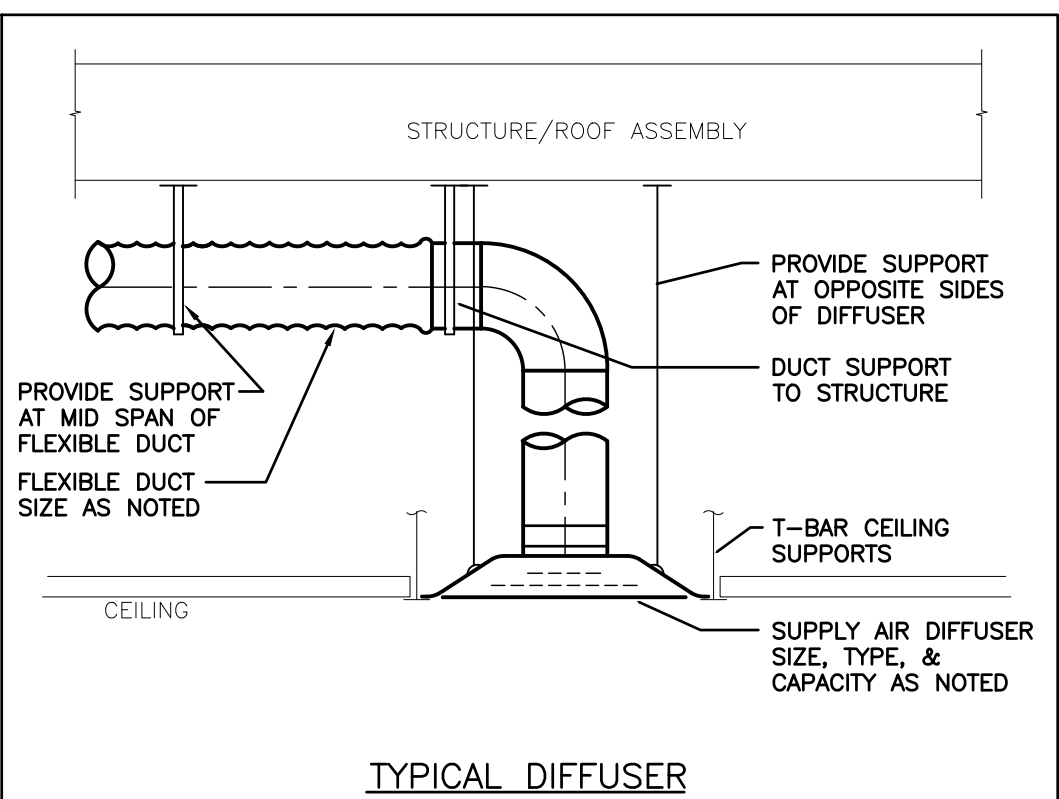
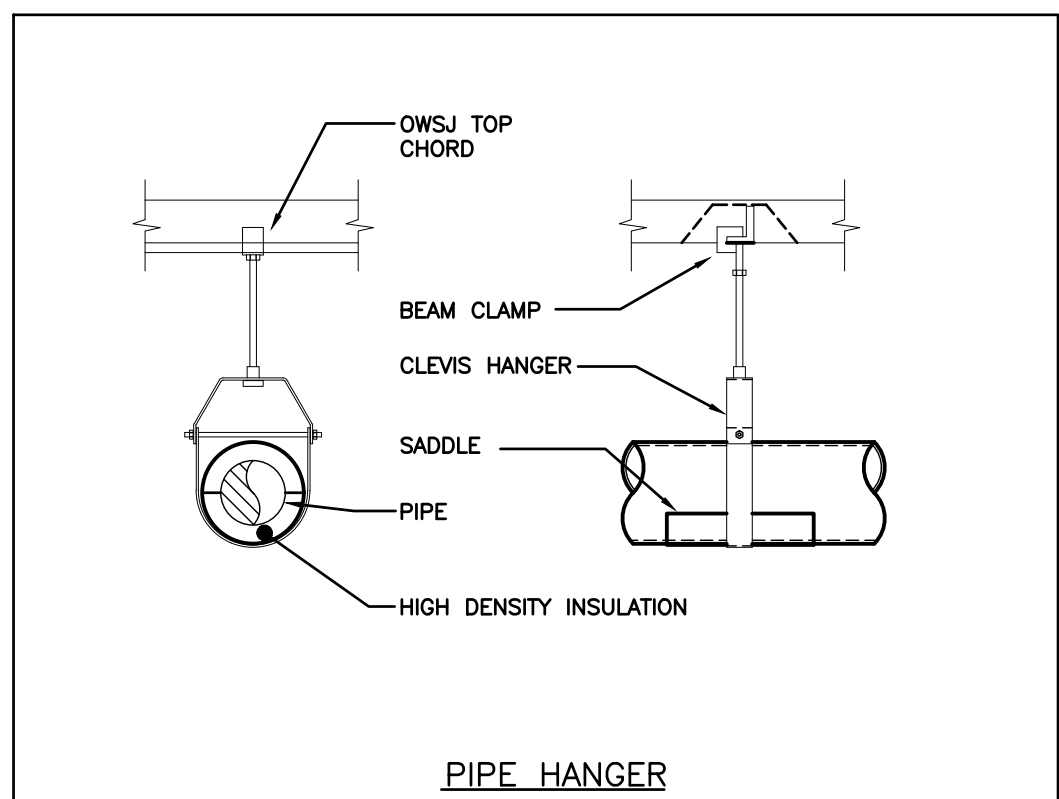
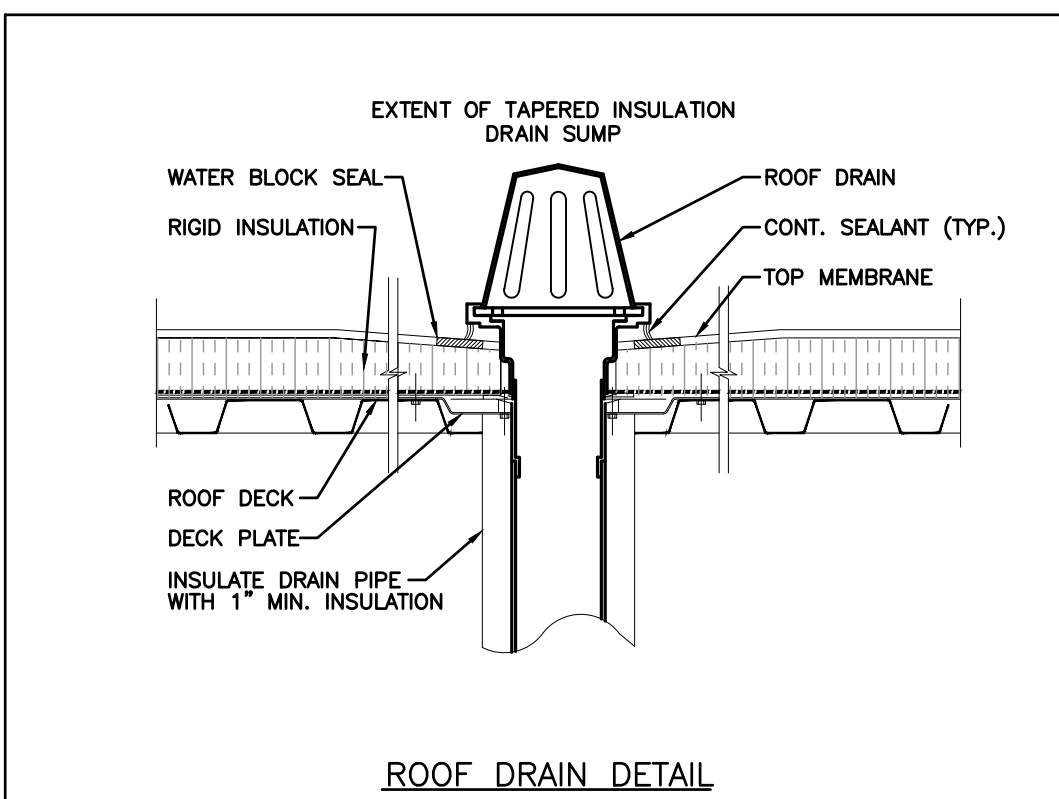
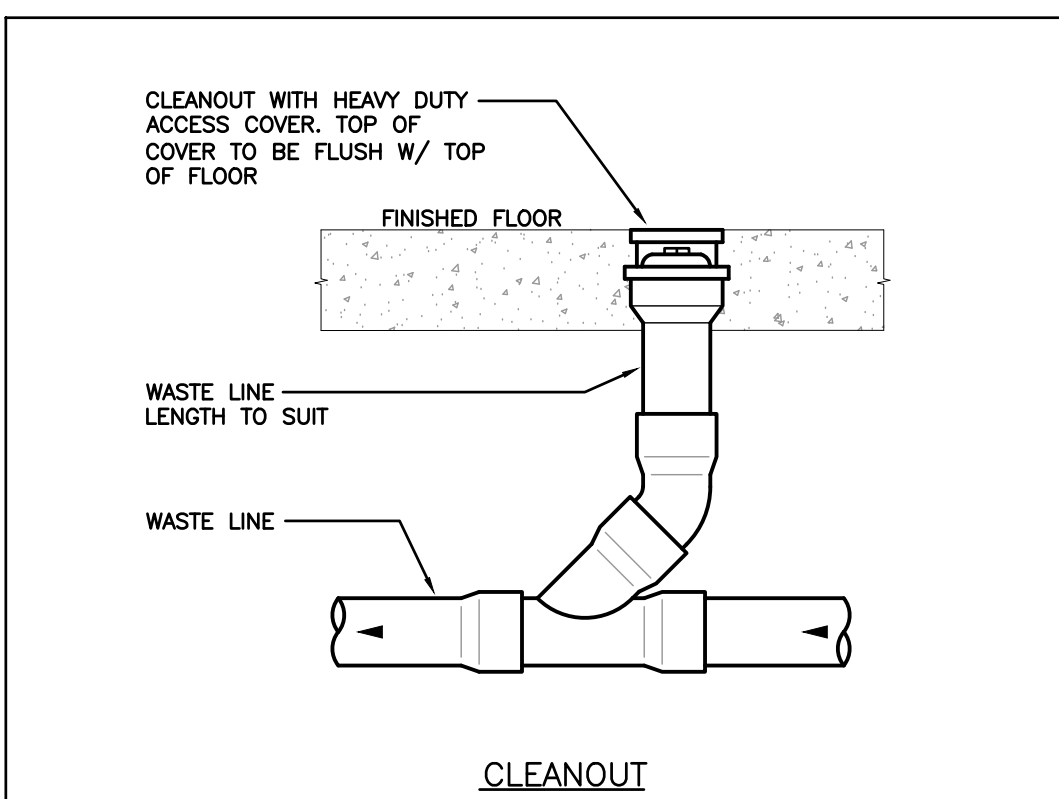
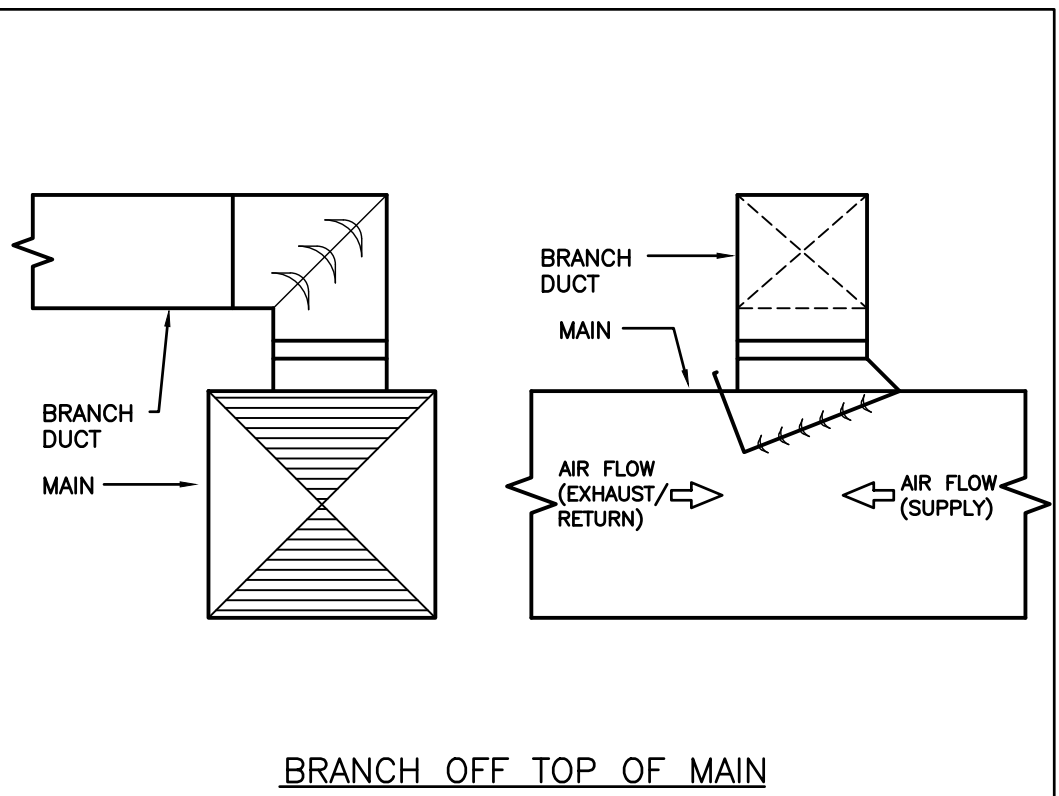
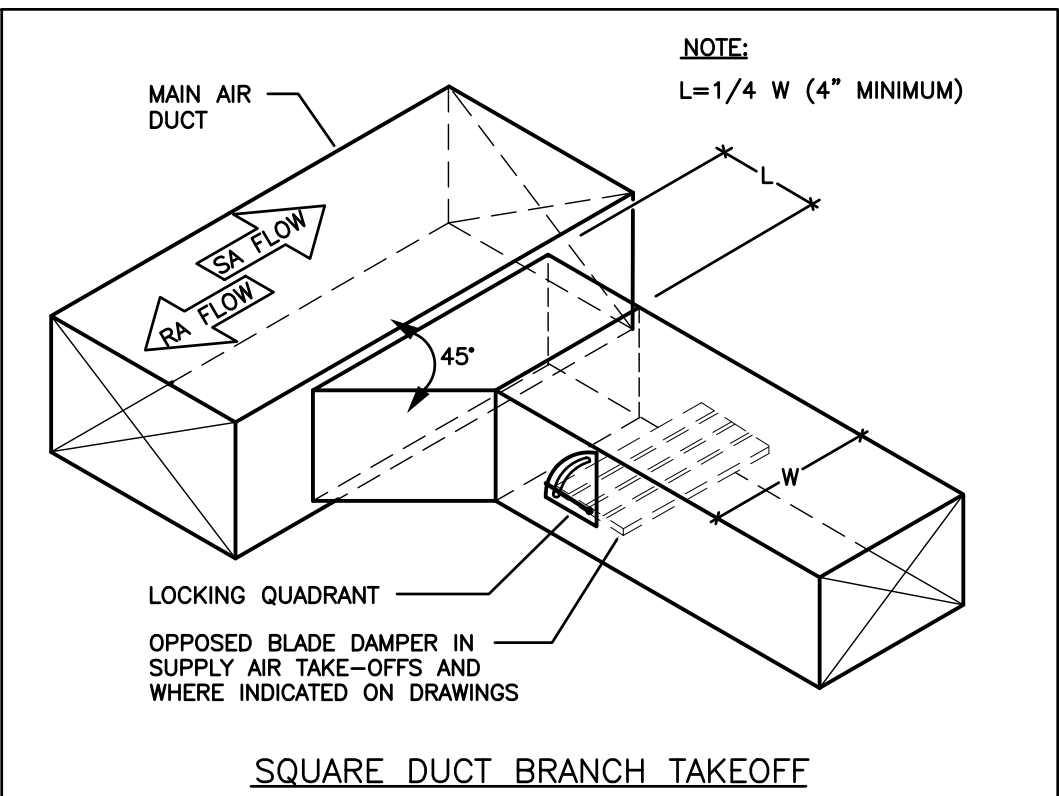
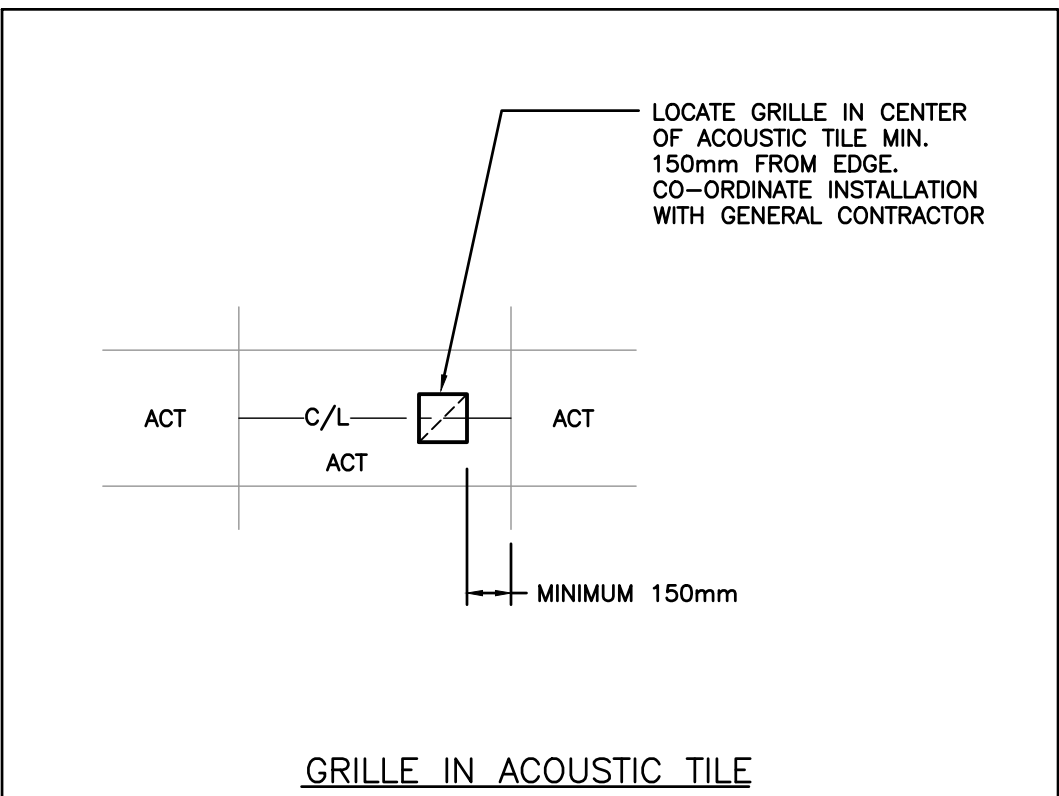
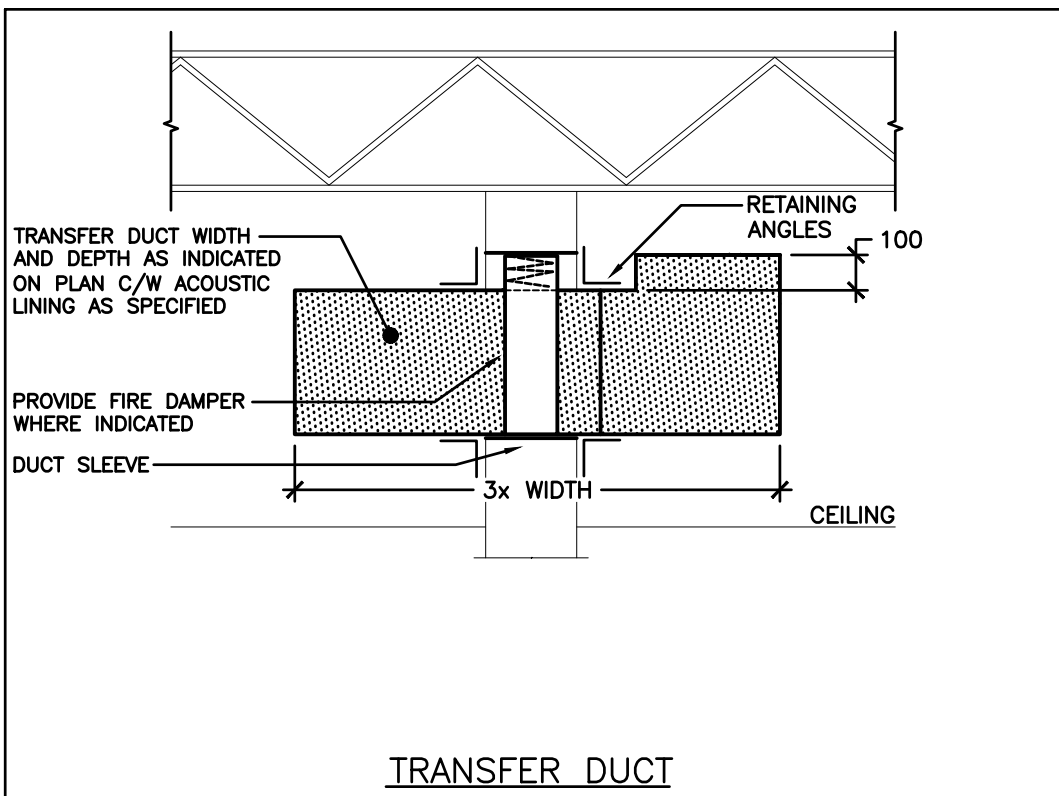
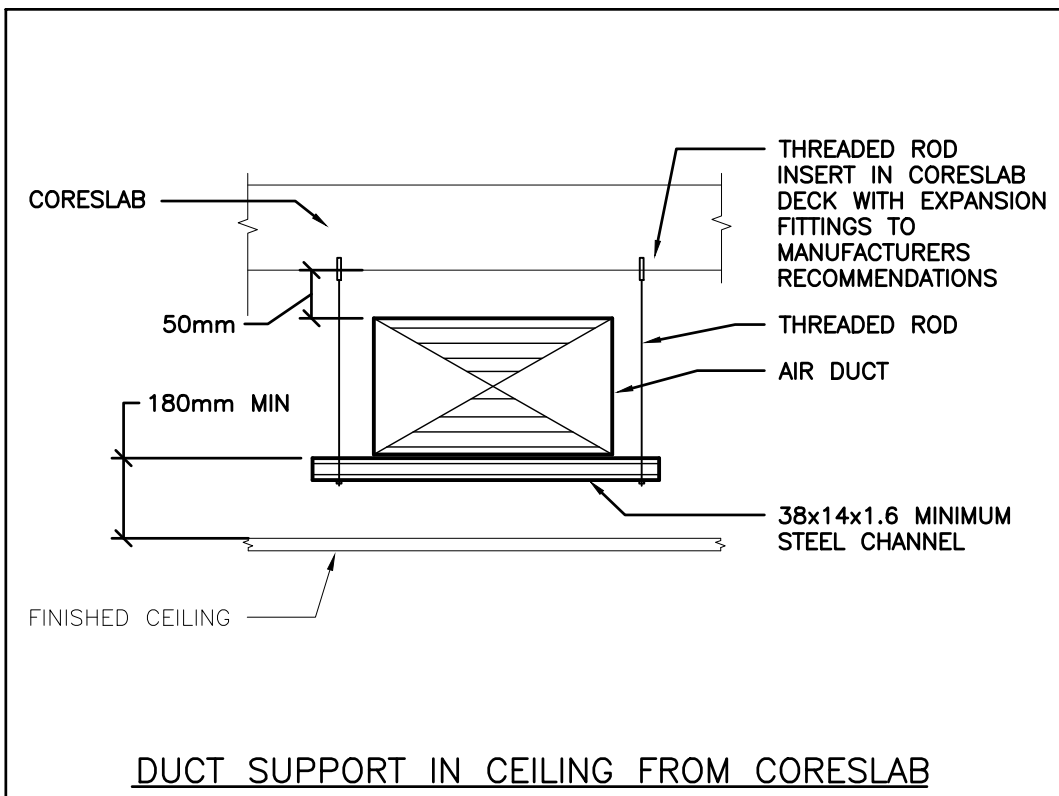
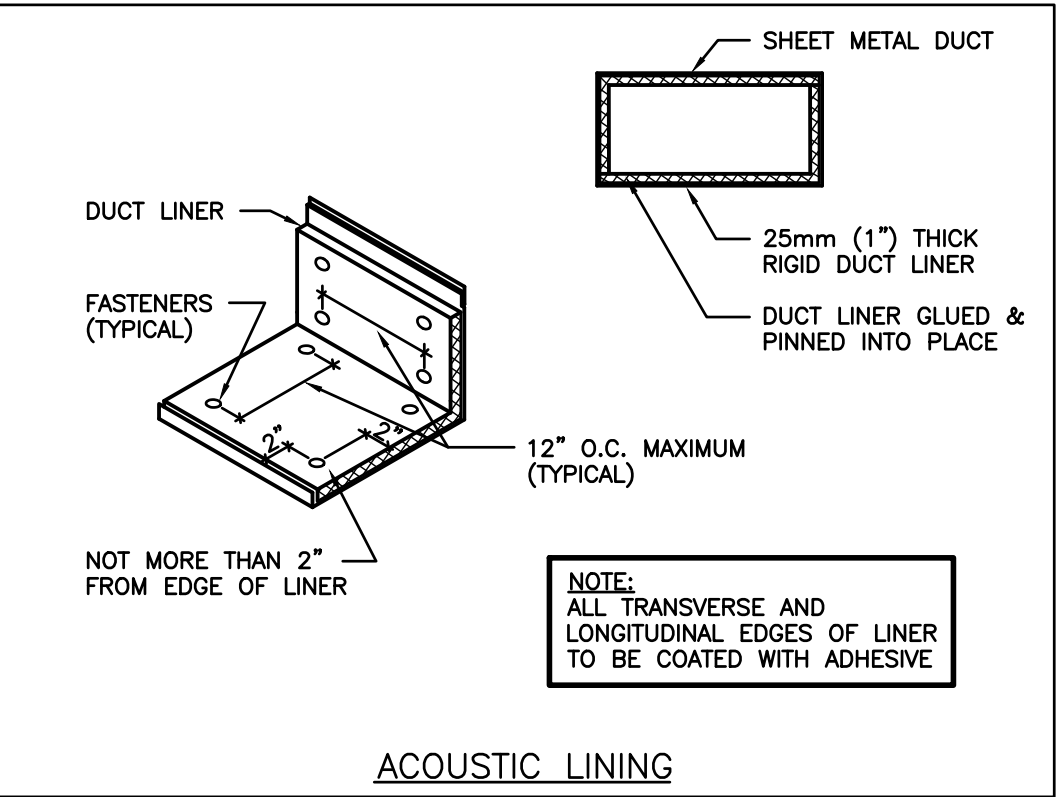
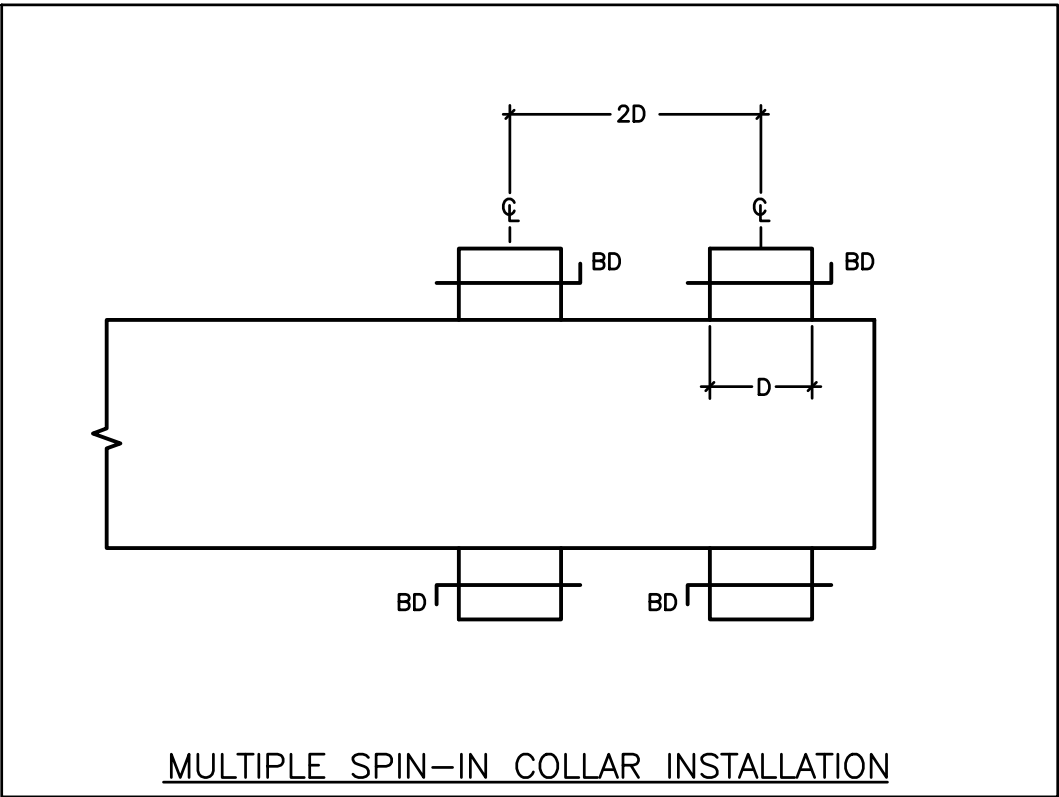
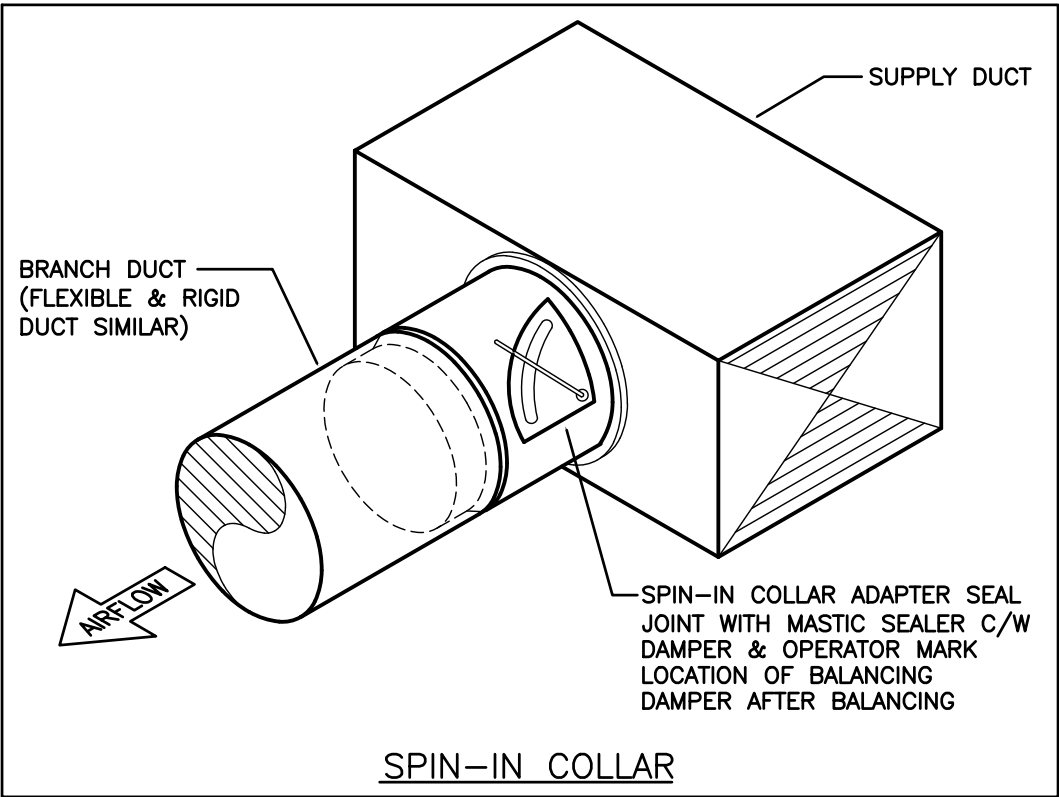
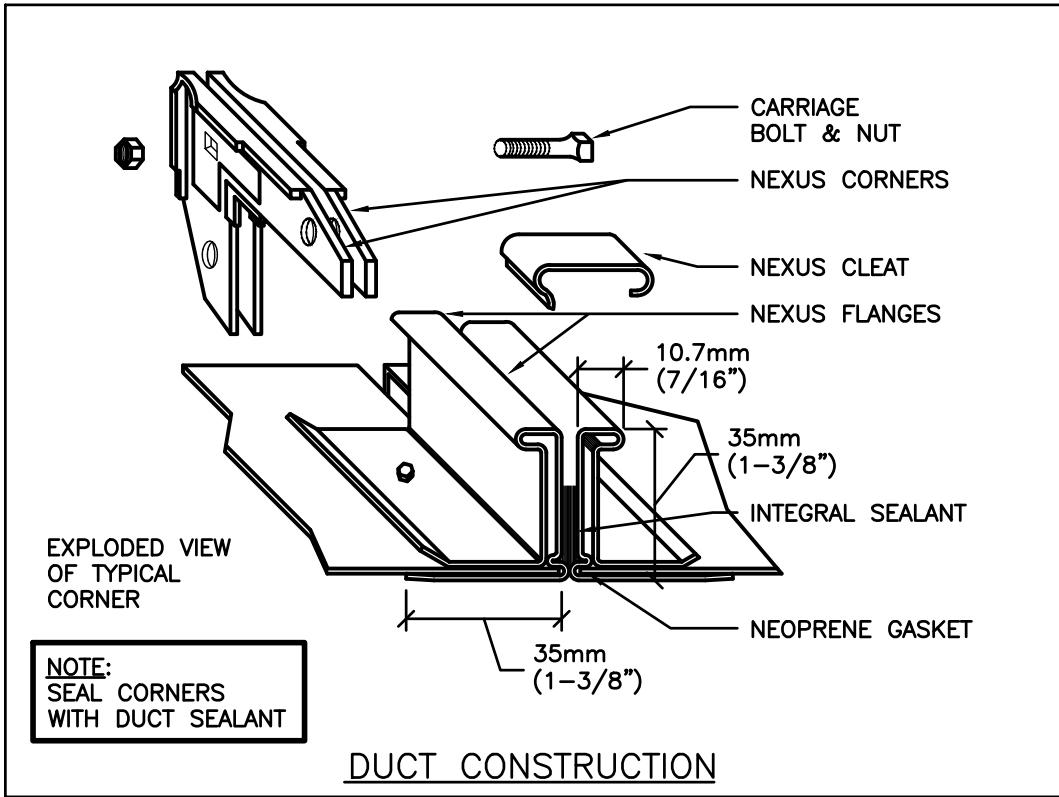
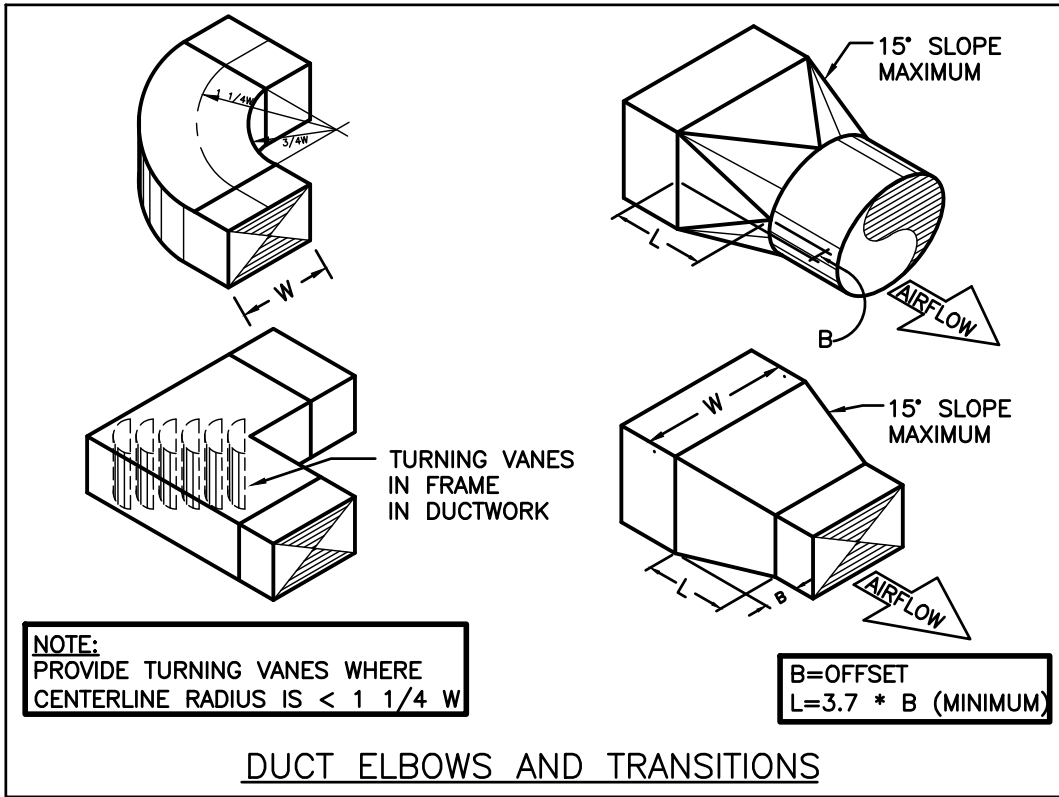
% COMPLETE:
INITIAL:

PROJECT NO:

24015

DRAWING NO:

M401



The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing.

© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	MP
2	ISSUED FOR REVIEW	OCT 02 2024	MP
3	ISSUED FOR 66% REVIEW	OCT 22 2024	MP
4	ISSUED FOR 90% REVIEW	DEC 13 2024	MP
5	ISSUED FOR PERMIT	DEC 16 2024	MP
6	ISSUED FOR TENDER	FEB 27 2025	MP

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



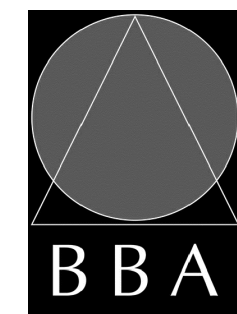
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

DETAILS



Barry Bryan
Associates

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY: STV

DOC. CONTROL: DATE:

DRAWN BY: SS

% COMPLETE:

CHECKED BY: MP

INITIAL:

DATE: MAY 2024

SCALE: AS NOTED

FILE:

PROJECT NO:

24015

DRAWING NO:

M501

GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

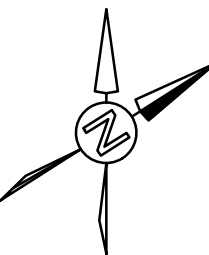
SPECIFIC DEMOLITION NOTES

- INDICATES APPROXIMATE LOCATION OF INCOMING SERVICES.
- THE EXISTING SPARE DUCT WAS SCOPED BY THE OWNER AND IT WAS FOUND TO HAVE SOME DEBRIS WITHIN THE DUCT. THIS CONTRACTOR IS TO CLEAR THE DEBRIS AS PART OF THIS SCOPE.
- MAINTAIN EXISTING BRANCH CIRCUIT WIRING AND CONTROLS FOR RECONNECTION IN RENOVATION PHASE.
- INDICATES APPROXIMATE LOCATION OF PORTABLE FEEDER DUCTBANK AND AUXILIARY SERVICE CONDUITS (DATA, FIRE & SECURITY.) THIS CONTRACTOR IS TO DISCONNECT AND REMOVE FEEDER BACK TO SOURCE, DISCONNECT AND REMOVE ALL CONTROL DEVICES, LABEL SOURCE BREAKERS AS SPARE, EXISTING DUCTBANK TO BE CAPPED AND ABANDONED BELOW GRADE.
- INDICATED POLE MOUNTED LIGHT FIXTURE TO BE DEMOLISHED AND REPLACED IN RENOVATION PHASE. MAINTAIN EXISTING POLE AND BRANCH CIRCUIT WIRING FOR RECONNECTION.
- INDICATES APPROXIMATE LOCATION OF EXISTING HYDRO POLES AND OVERHEAD WIRES.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



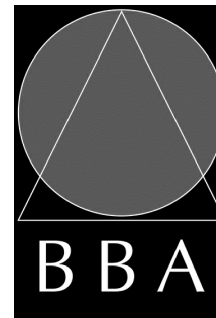
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**SITE PLAN-
DEMOLITION**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY: CM	DOC CONTROL: DATE:
DRAWN BY: DV	% COMPLETE:
CHECKED BY: JL	INITIAL:
DATE: MAY 2024	
SCALE: AS NOTED	
FILE:	

PROJECT NO:

24015

DRAWING NO:

E101

PARTIAL SITE PLAN-DEMOLITION
SCALE: 1:150

GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

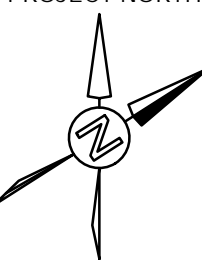
SPECIFIC DEMOLITION NOTES

- REFER TO DRAWING E101 FOR SPECIFIC DEMOLITION NOTES.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



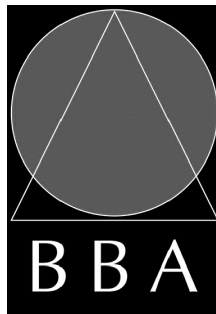
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**SITE PLAN-
DEMOLITION**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY: CM	DOC. CONTROL: DATE:
DRAWN BY: DV	% COMPLETE:
CHECKED BY: JL	INITIAL:

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

PROJECT NO:

24015

DRAWING NO:

E102

PARTIAL SITE PLAN-DEMOLITION
SCALE: 1:150

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

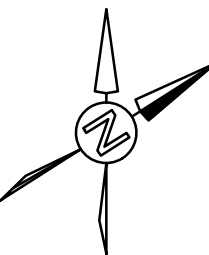
SPECIFIC RENOVATION NOTES

- 1 INDICATES APPROXIMATE LOCATION OF INCOMING SERVICES.
- 2 INDICATES APPROXIMATE LOCATION OF NEW MECHANICAL ROOM.
- 3 CONNECT TO EXISTING BRANCH CIRCUIT WIRING AND CONTROLS MAINTAINED FROM DEMOLITION PHASE.
- 4 INDICATED FIXTURES CONTROLLED VIA CONTACTOR AND TIMECLOCK LOCATED IN MECHANICAL ROOM. REFER TO FLOOR PLANS AND DISTRIBUTION RISER FOR DETAILS.
- 5 INDICATES APPROXIMATE LOCATION OF EXISTING ELECTRICAL ROOM.
- 6 INDICATES APPROXIMATE LOCATION OF EXISTING HYDRO POLES AND OVERHEAD WIRES.
- 7 INDICATED LIGHT FIXTURE INSTALLED WITHIN CANOPY. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- 8 PROVIDE GRADE LEVEL BOX FOR FUTURE LEVEL 2 ELECTRIC VEHICLE CHARGING STATION. INDICATED CIRCUIT TO BE CAPPED FOR FUTURE USE.
- 9 PROVIDE HEAT TRACE AS SHOWN. ROOF CLIPS TO BE LAID OUT AND USE SILICONE ADHESIVE TO HOLD IN PLACE. ADHESIVE TO BE EQUAL TO SPEED BONDER CAT.#H3300, H4800; PLEXUS MA300,310; OR MOMENTIVE PERFORMANCE MATERIALS RTZ167. ADHESIVE IS TO BE CONFIRMED WITH LANDLORD'S ROOFING CONTRACTOR PRIOR TO INSTALLATION. PROVIDE TERMINATION KITS AS REQUIRED, REFER TO DETAIL H/E105 FOR FURTHER INFORMATION.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



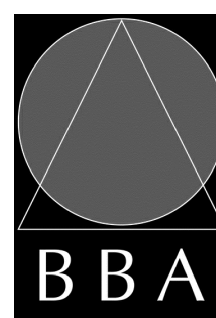
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**SITE PLAN-
RENOVATION**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY:
CM

DOC CONTROL:
DATE:

DRAWN BY:
DV

% COMPLETE:

CHECKED BY:
JL

INITIAL:

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

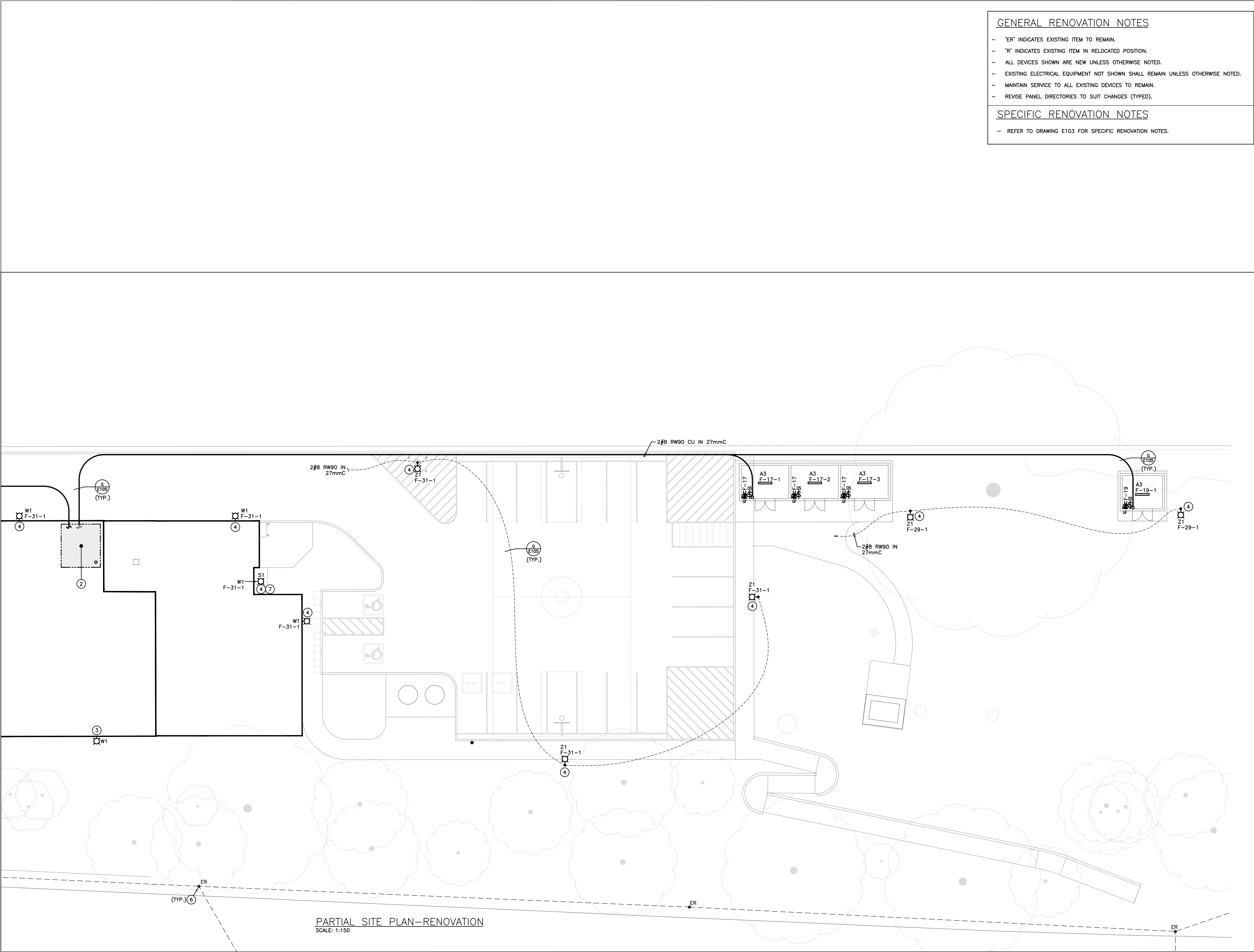
PROJECT NO:

24015

DRAWING NO:

E103

PARTIAL SITE PLAN-RENOVATION
SCALE: 1:150



GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

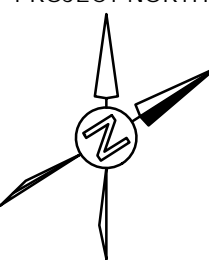
SPECIFIC RENOVATION NOTES

- REFER TO DRAWING E103 FOR SPECIFIC RENOVATION NOTES.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-2555
Website: debryonassociates.ca
Project Number: 24030

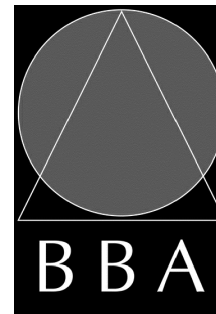
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**SITE PLAN-
RENOVATION**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY: CM	DOC. CONTROL: DATE:
DRAWN BY: DV	% COMPLETE:
CHECKED BY: JL	INITIAL:

DATE:
MAY 2024

SCALE:
AS NOTED

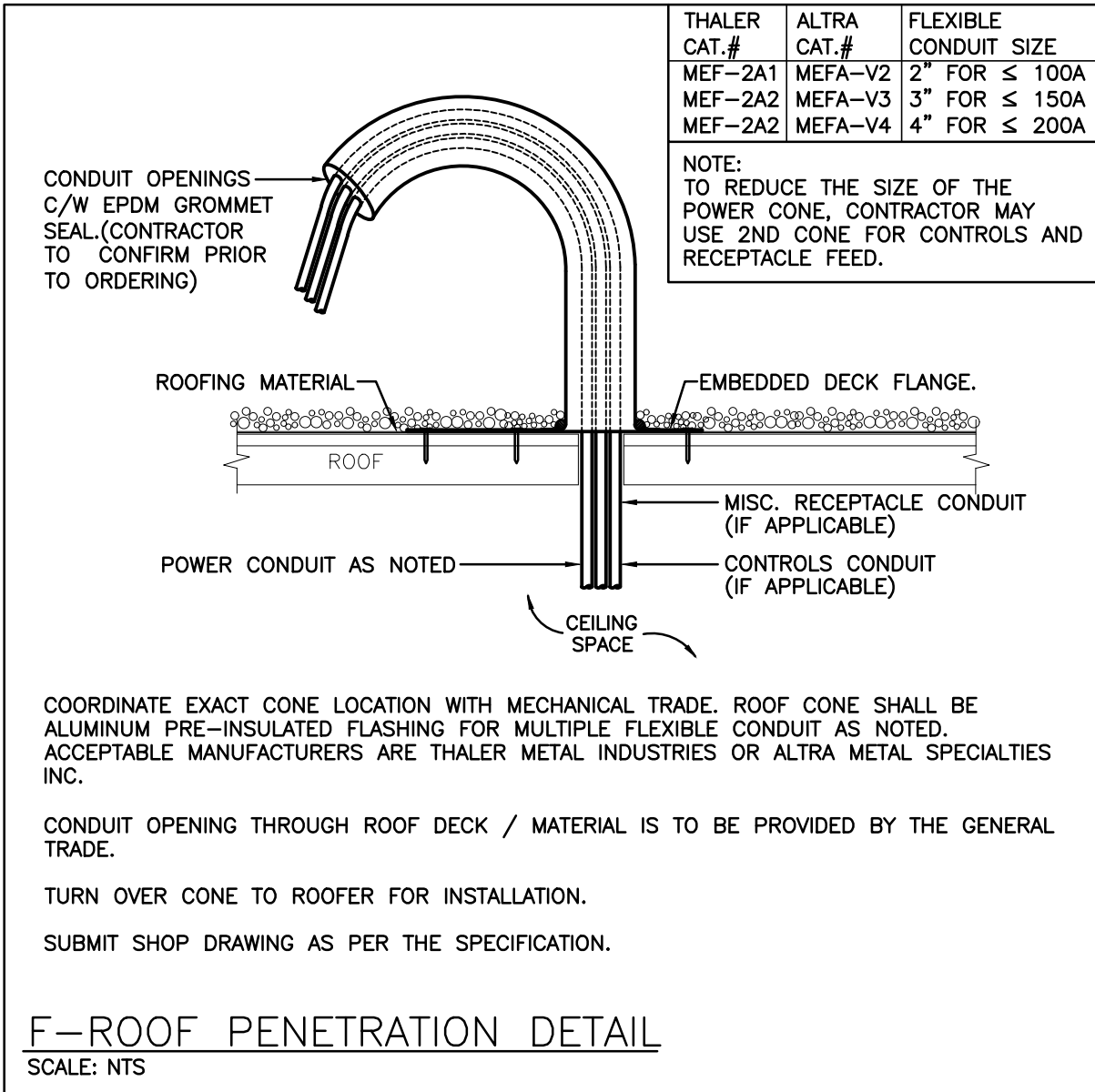
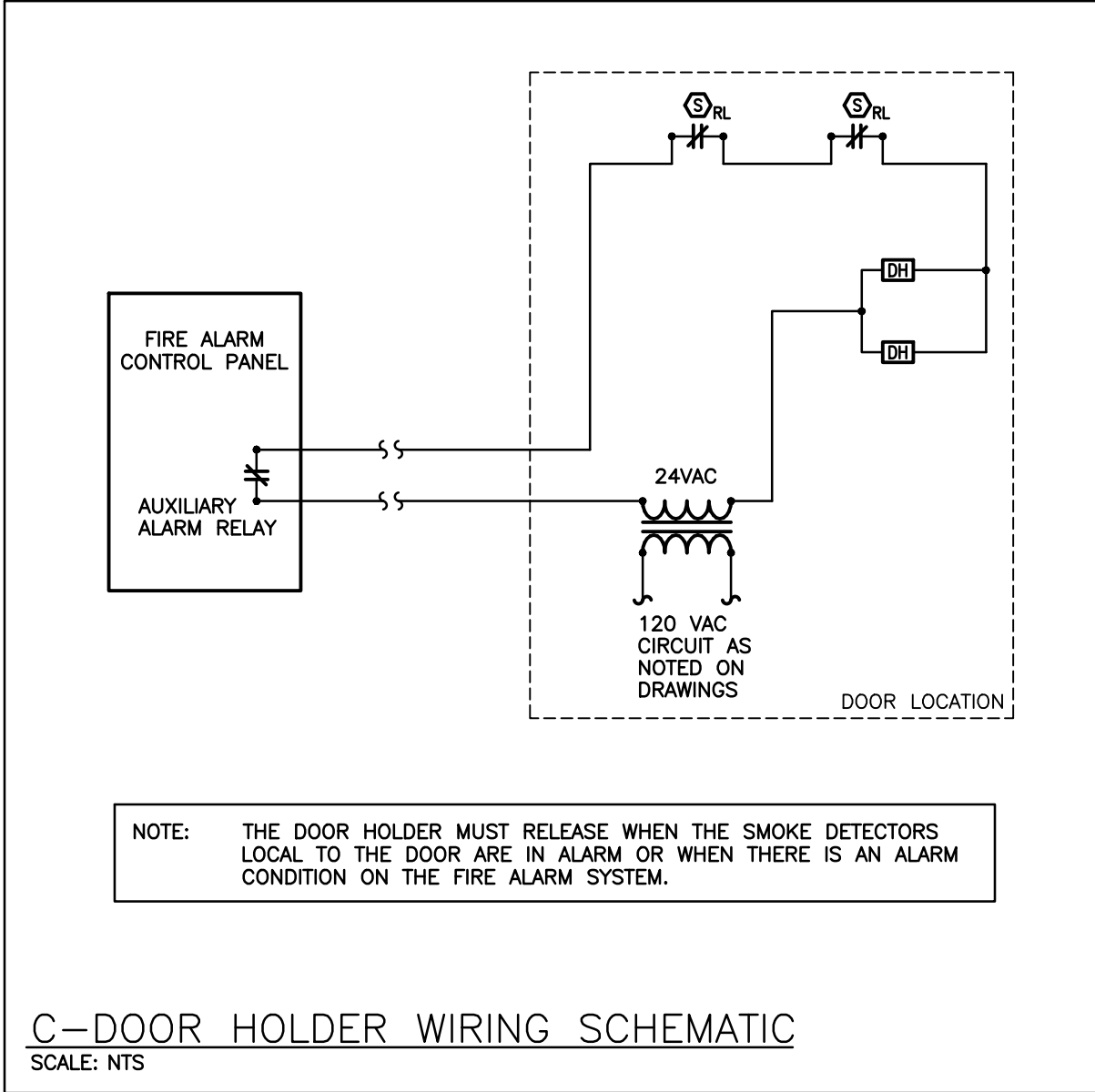
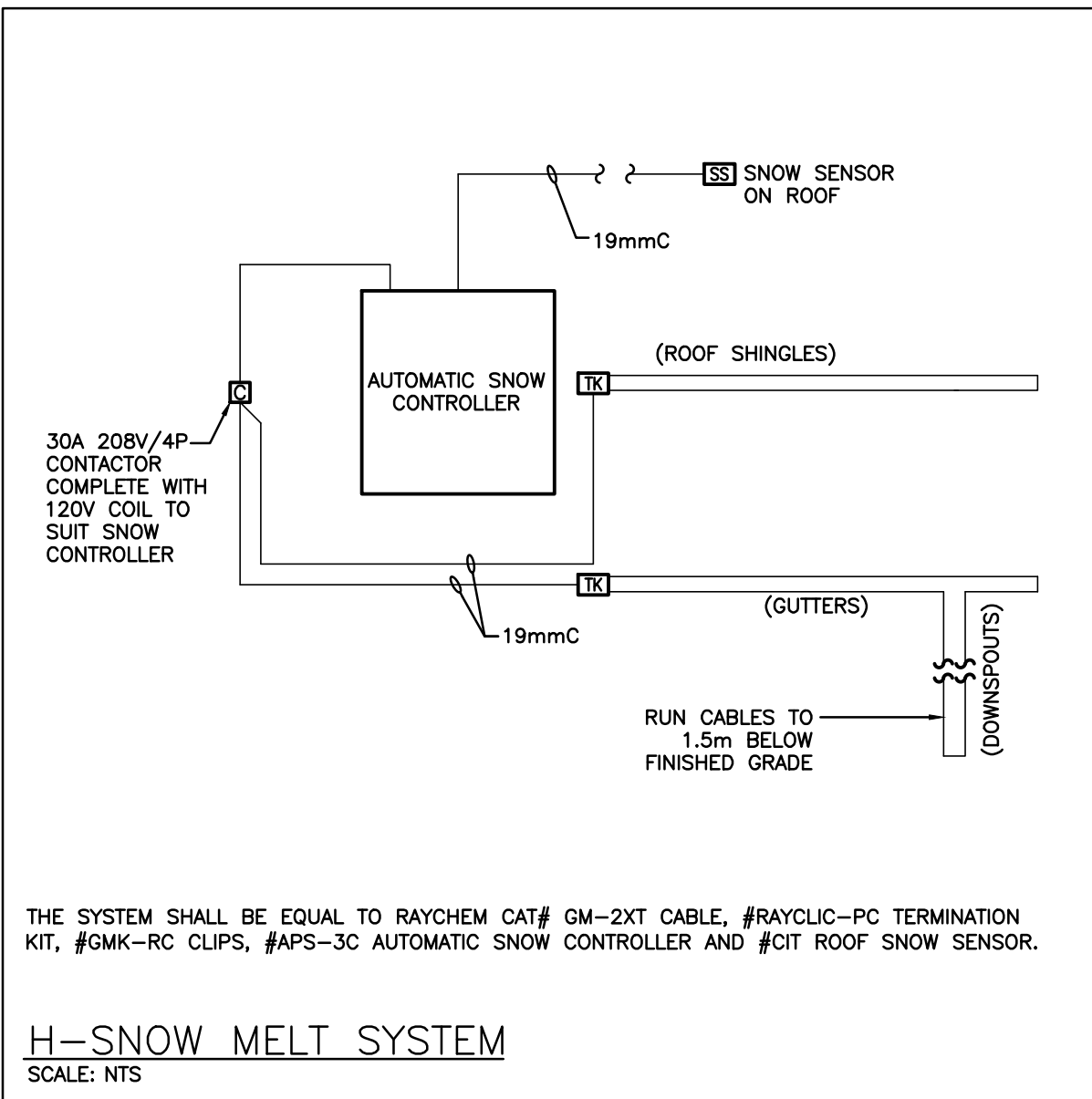
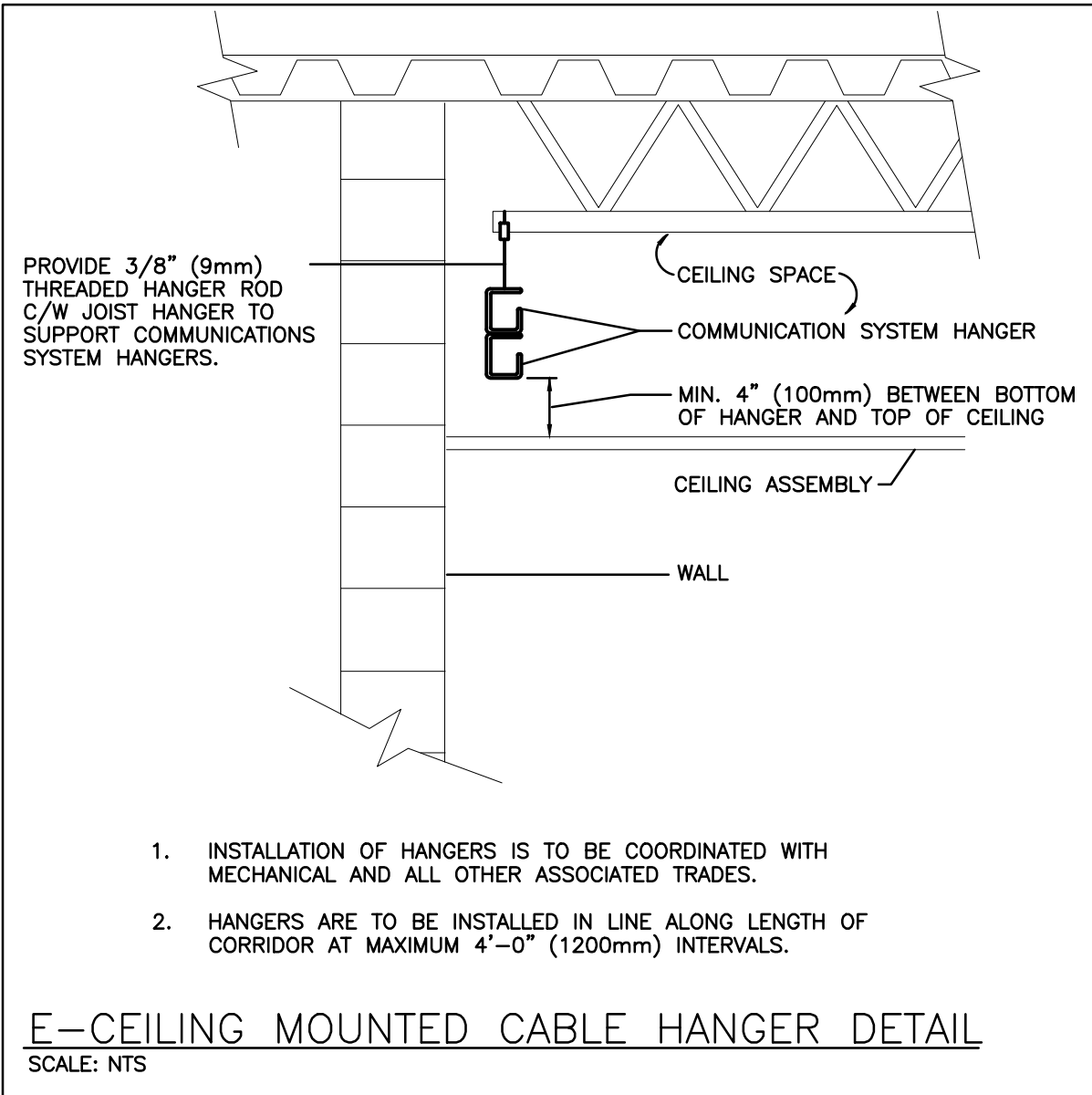
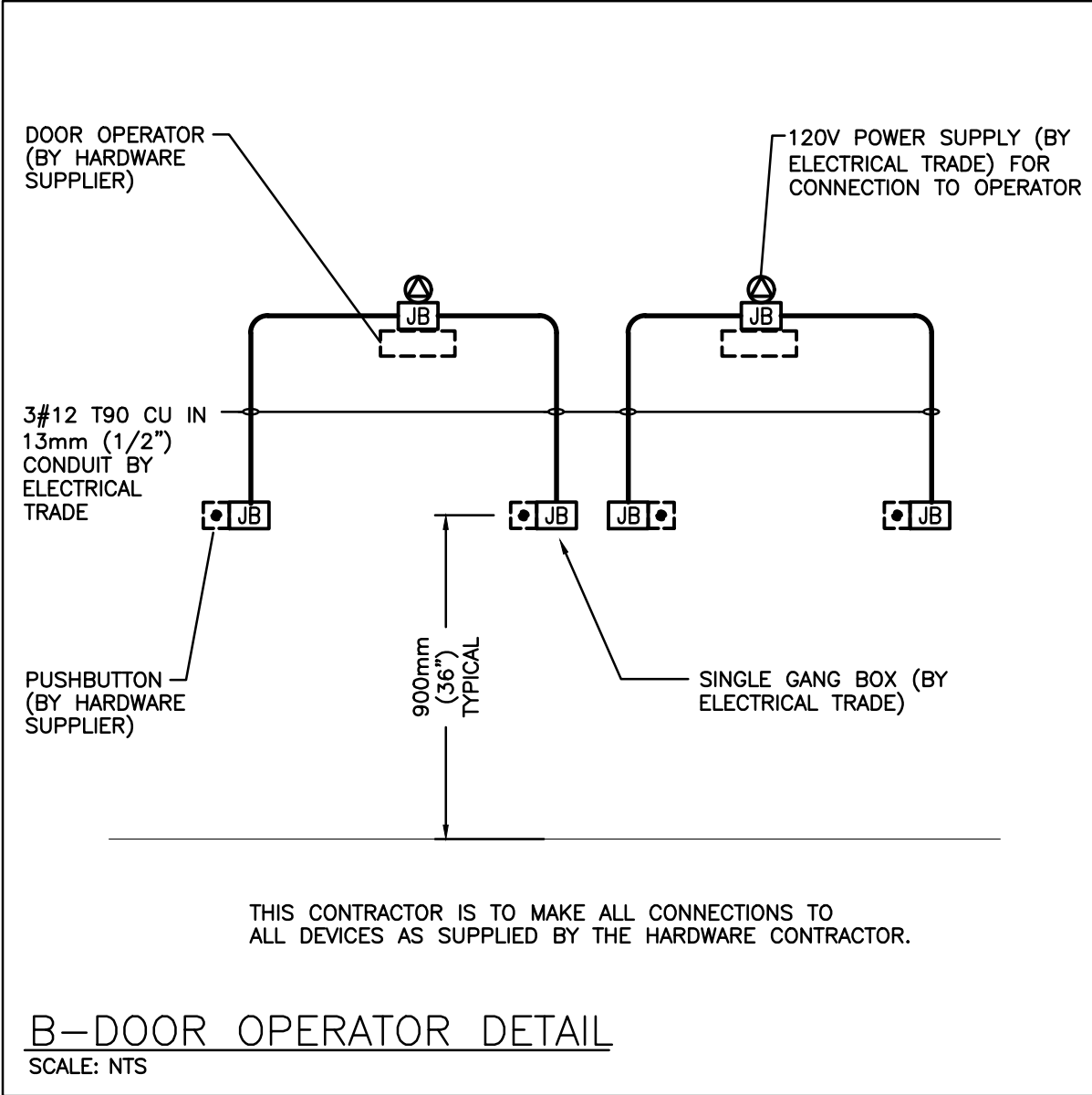
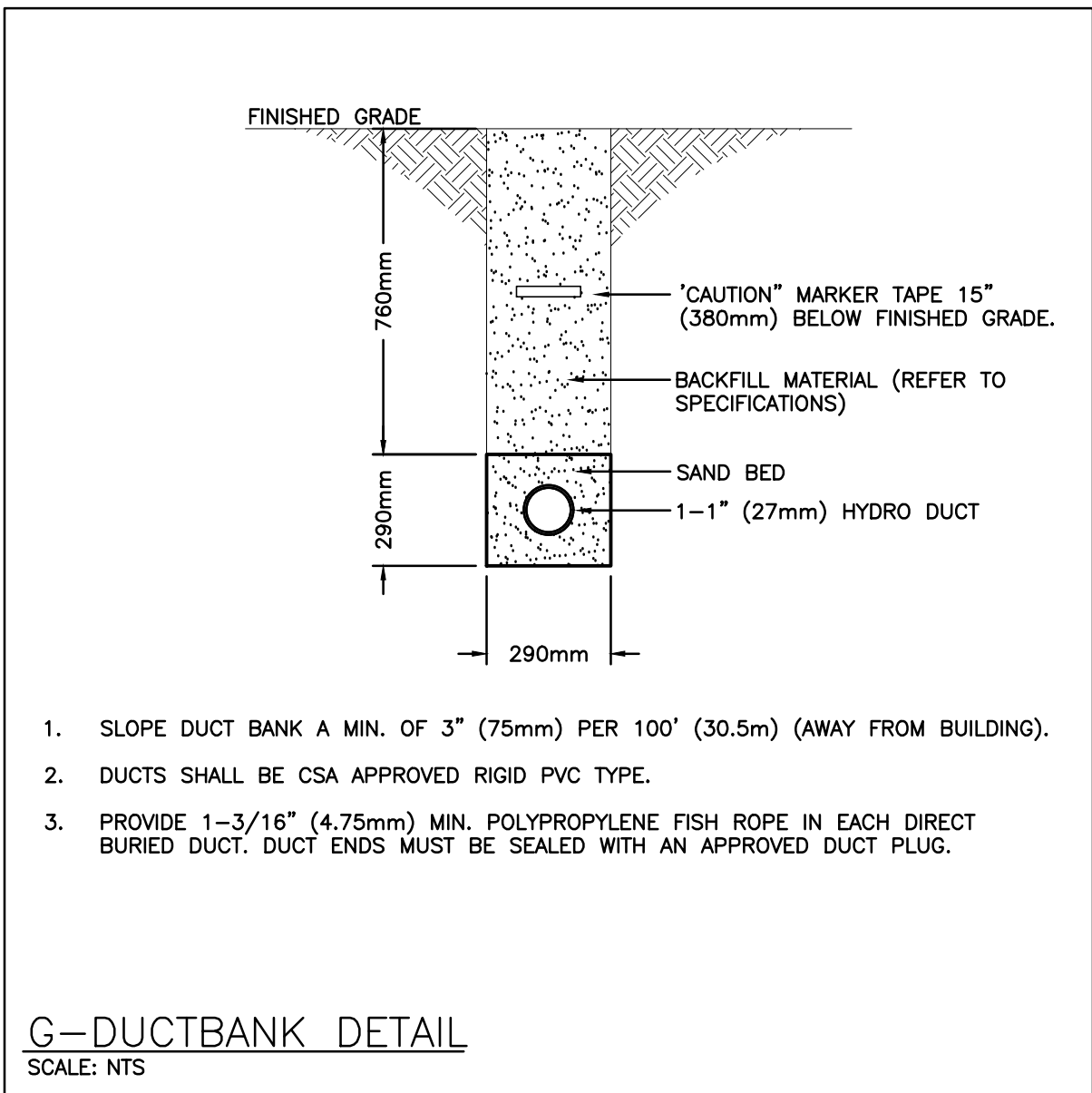
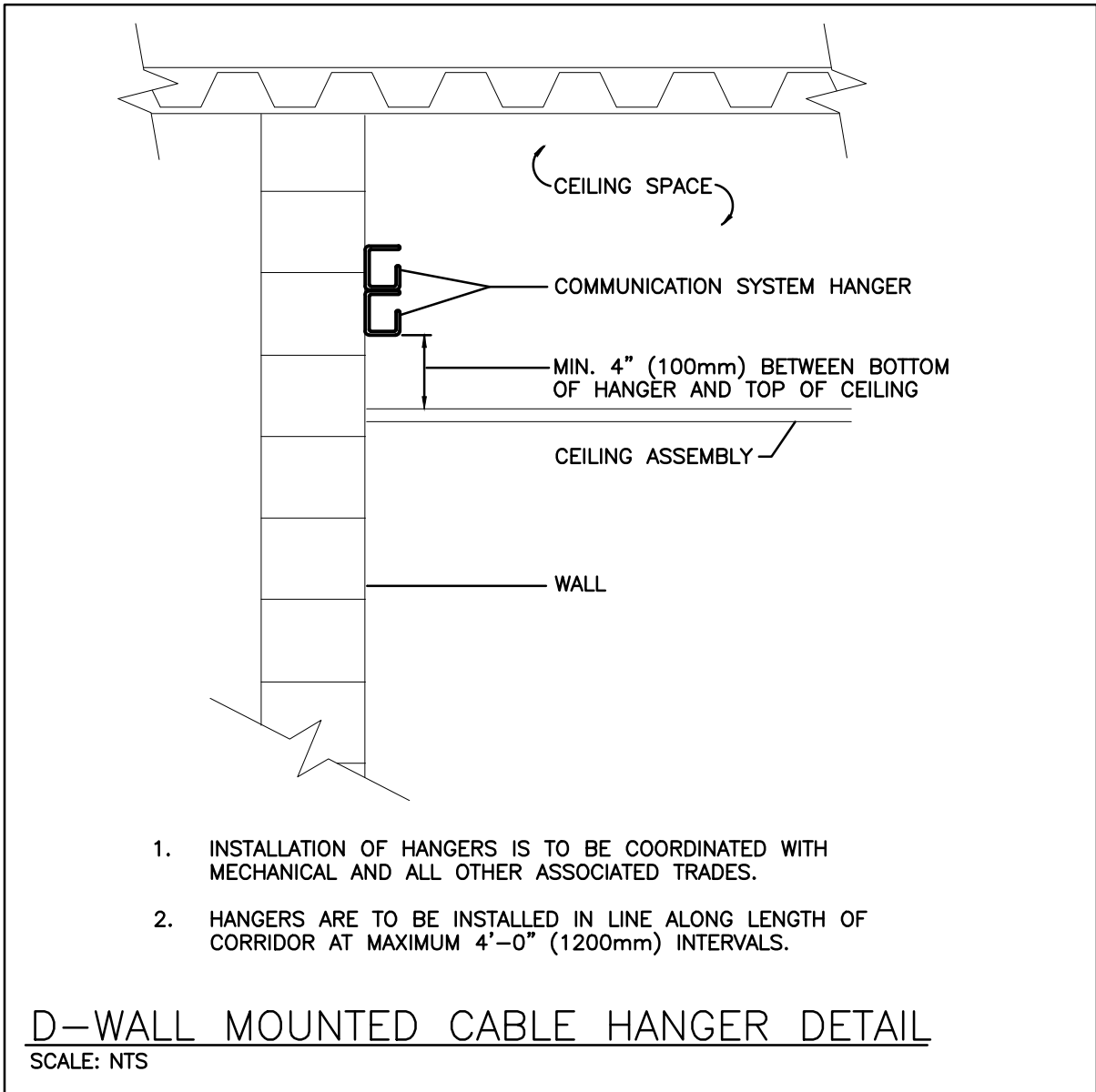
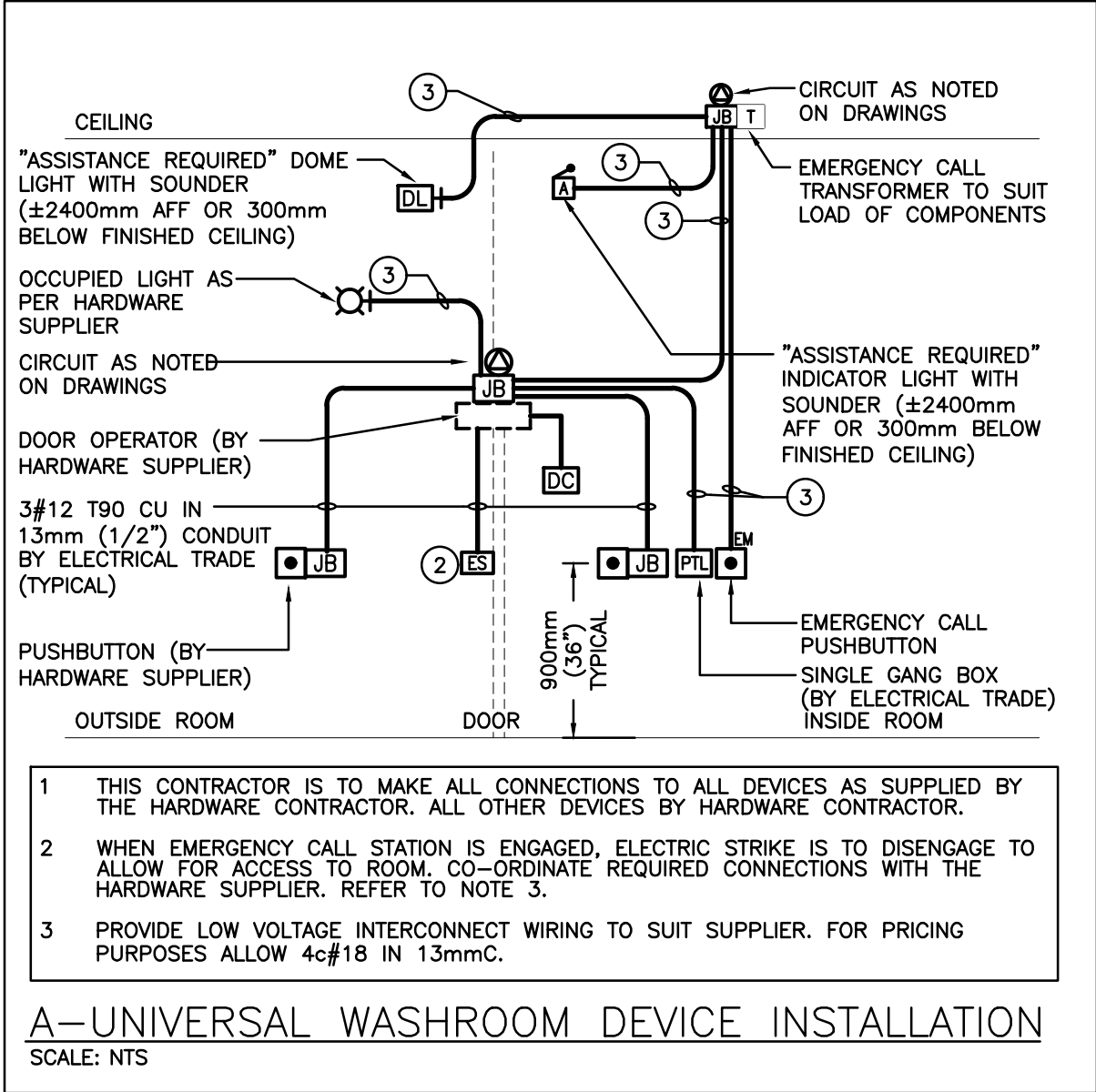
FILE:

PROJECT NO:

24015

DRAWING NO:

E104



ELECTRICAL SYMBOLS		NOTE: ALL SYMBOLS MAY NOT BE USED	
LIGHTING		POWER	
	LIGHT FIXTURE TYPE AS INDICATED		WALL MOUNTED RECEPTACLE (15A-120V)
	COMBINATION EMERGENCY/EXIT TYPE AS INDICATED (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)		WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED		T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V)
	POLE MOUNTED LIGHT FIXTURE		RECEPTACLE MTD. ABOVE COUNTER S=SPLIT (15A-120V)
	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE		SPECIAL RECEPTACLE
	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE		DIRECT CONNECTION
	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE		FLOOR BOX C/W DEVICES AS NOTED (REFER TO SPECIFICATIONS)
	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)		JUNCTION BOX
	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)		PANEL AS INDICATED
	OCCUPANCY SENSOR (PASSIVE)		FUSED DISCONNECT
	CEILING MOUNTED MOTION SENSOR		UNFUSED DISCONNECT
	DIGITAL ROOM CONTROLLER		TIME CLOCK
	ANALOG POWER PACK		DESTRATIFICATION FAN
FIRE ALARM			HAND DRYER
	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)		PUSH-BUTTON STATION (QUANTITY OF BUTTONS AS PER PLANS)
	SMOKE DETECTOR (RL=RELAY BASE)		CONTACTOR
	PULLSTATION		TRANSFORMER
	ALARM STROBE		GRADE LEVEL BOX
	COMBINATION HORN/STROBE		SNOW MELT TERMINATION KIT
	FIRE SMOKE DAMPER		SNOW MELT SNOW SENSOR
COMMUNICATIONS		SECURITY	
	SINGLE WALL MOUNTED TELEPHONE OUTLET ROUGH-IN C/W 3/8" (13mm) C TO CABLE MANAGEMENT SYSTEM.		SECURITY DETECTOR (SURFACE MOUNTED)
	COMBINATION SINGLE VOICE/ SINGLE DATA OUTLET ROUGH-IN UNLESS OTHERWISE NOTED C/W 1" (27mm) C TO CABLE MANAGEMENT SYSTEM.		SECURITY KEYPAD (INSTALL 1100mm AFF) C/W 19mmC TO NEAREST SECURITY JUNCTION BOX
	WIRELESS ACCESS POINT ROUGH-IN. PROVIDE 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM		DOOR CONTACT C/W 19mmC TO NEAREST SECURITY JUNCTION BOX (REFER TO DETAIL)
	SINGLE DATA OUTLET ROUGH-IN C/W 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM.		CEILING MOUNTED CAMERA
	HANGER SYSTEM (REFER TO DETAILS)	ACCESS CONTROL	
	CEILING MOUNTED SPEAKER		MAG LOCK
	MICROPHONE OUTLET		ELECTRIC STRIKE. CONFIRM ROUGHIN WITH DOOR HARDWARE.
	AUXILIARY ROUGH-IN FOR USE AS NOTED.		"PUSH-TO-LOCK" BUTTON
GENERAL			"ASSISTANCE REQUIRED" INDICATOR LIGHT WITH SOUNDER
ER	INDICATED EXISTING ITEM TO REMAIN		CARD/FOB READER ROUGH-IN AS A SINGLE GANG BOX AT 1100mm AFF C/W 13mmC TO ELECTRIC STRIKE IN ADJACENT DOOR FRAME. CONFIRM ROUGH-IN WITH DOOR HARDWARE.
D	INDICATES EXISTING ITEM TO BE DELETED		
R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION		
WG	WIREGUARD		BASEBOARD ELECTRIC HEATER (TYPE AS INDICATED)
GF	GROUND FAULT		FAN FORCED ELECTRIC HEATER (TYPE AS INDICATED)
WP	WEATHERPROOF		UNIT HEATER (TYPE AS INDICATED)
TR	TAMPER RESISTANT	STANDARD CIRCUIT LABELING	
CLG	CEILING MOUNTED		
	NOTE INDICATOR		
	MECHANICAL ITEM NO.		

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.

Do not scale this drawing.

© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



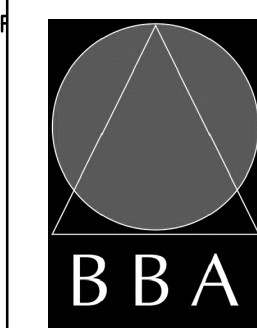
PROJECT:

MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

DETAILS & LEGEND

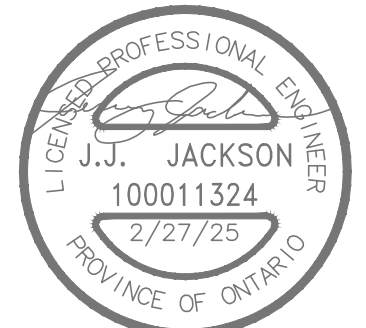


BARRY BRYAN ASSOCIATES

Architects
Engineers
Project Managers

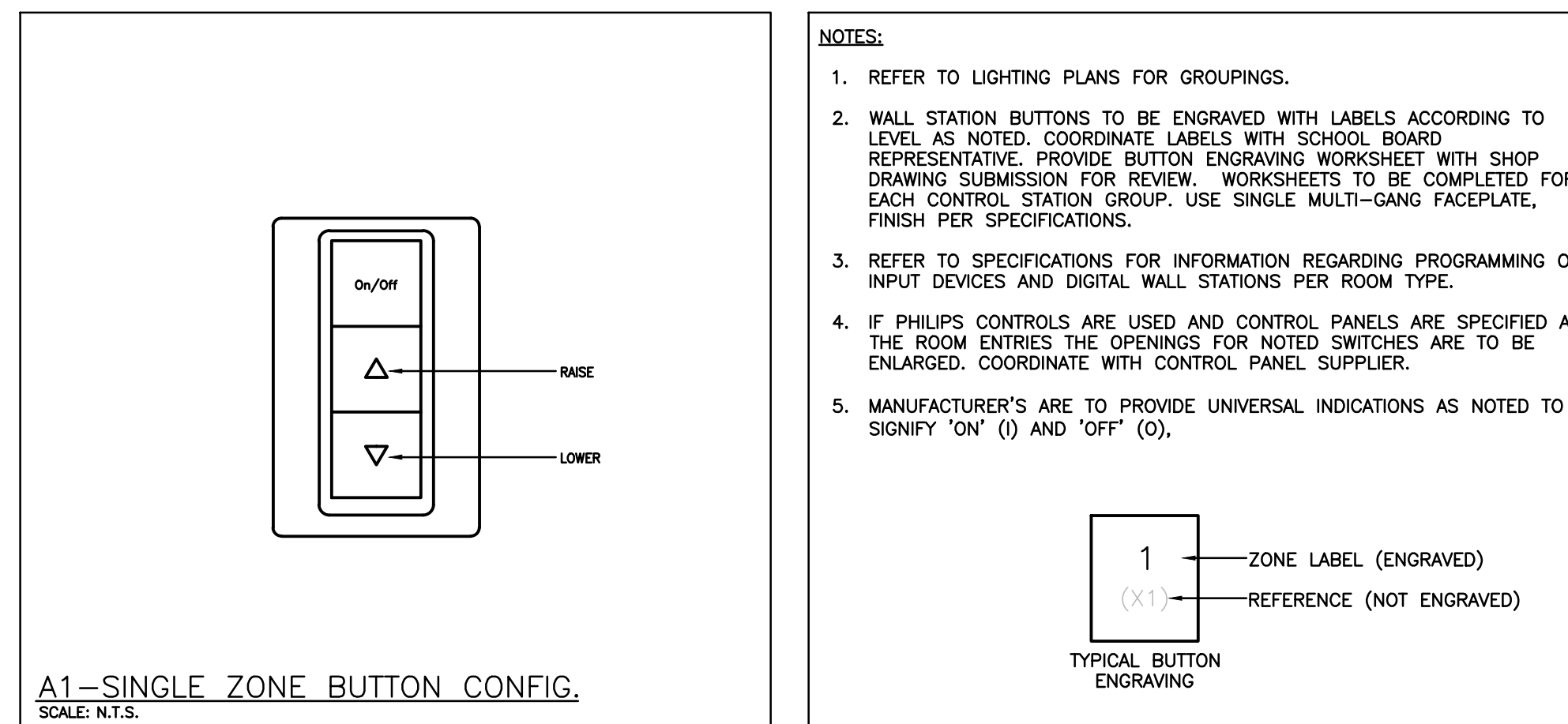
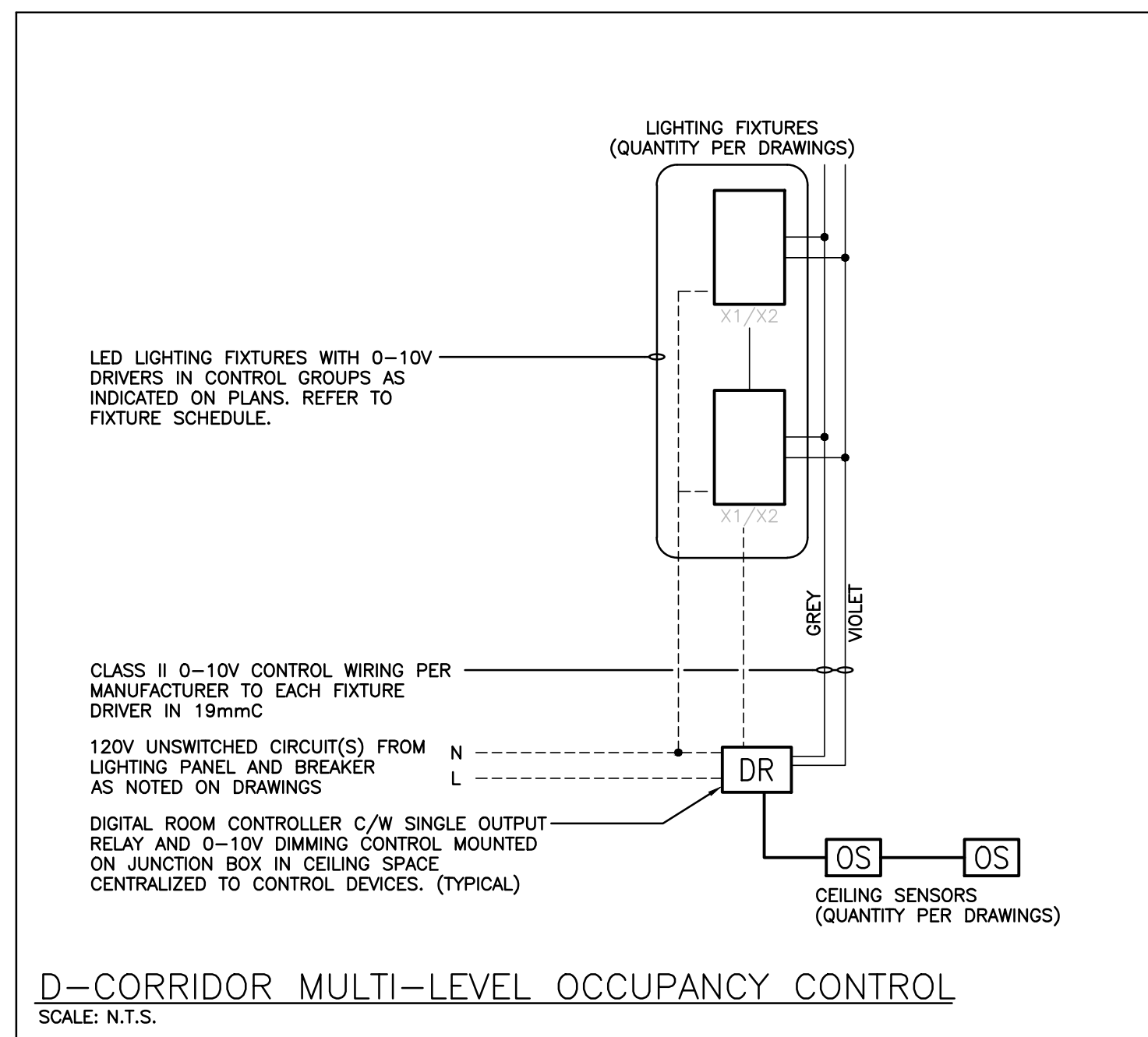
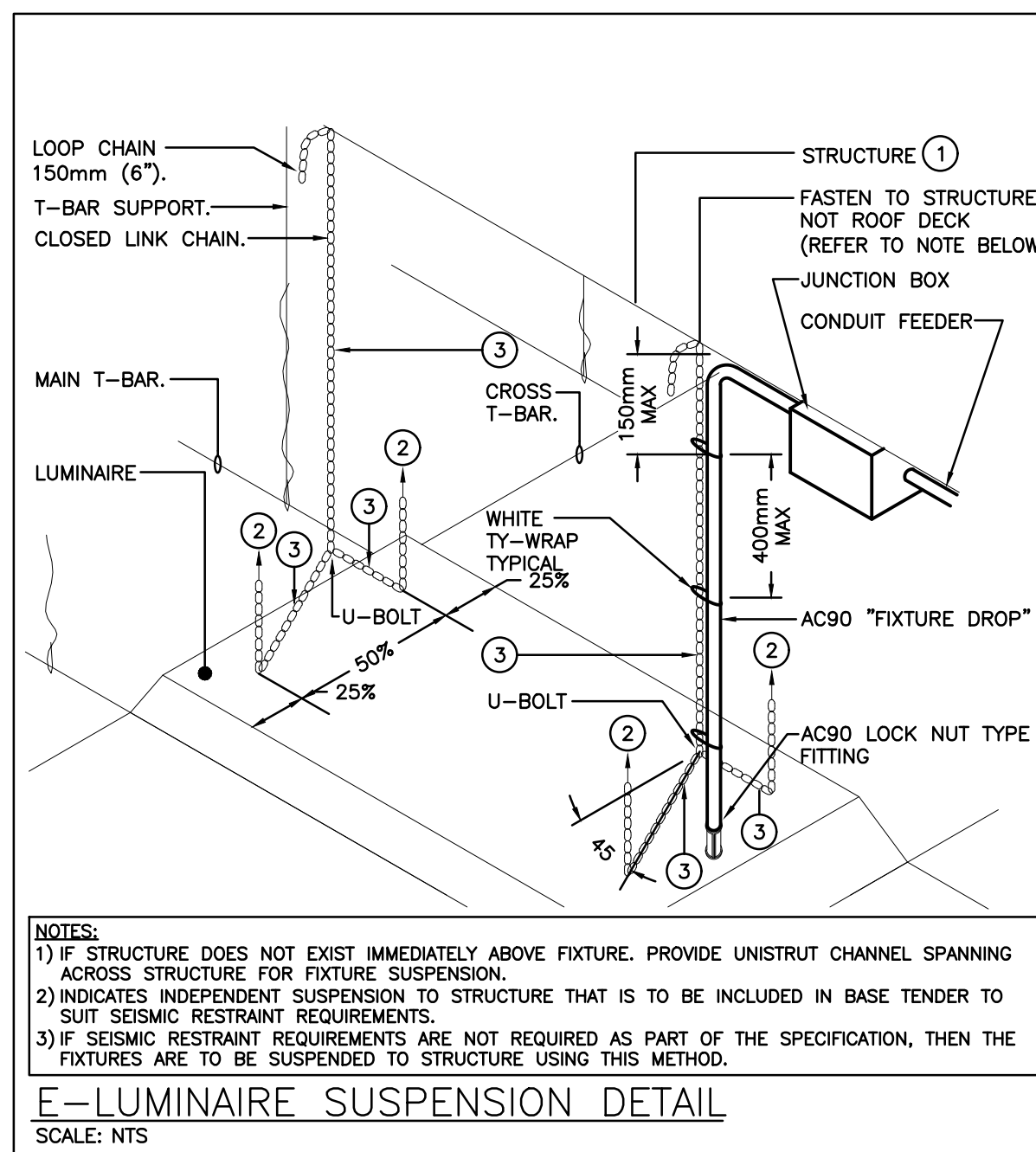
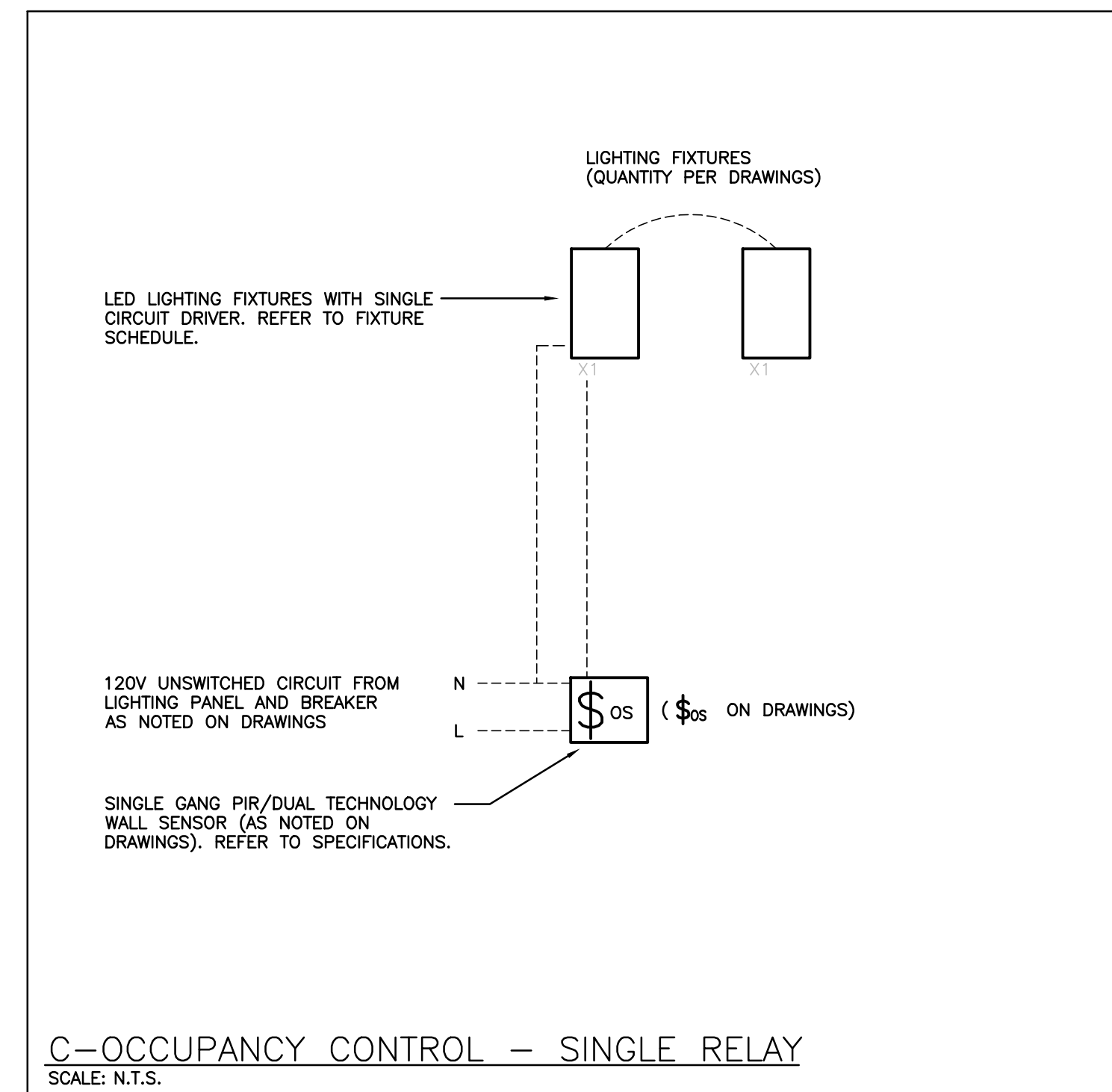
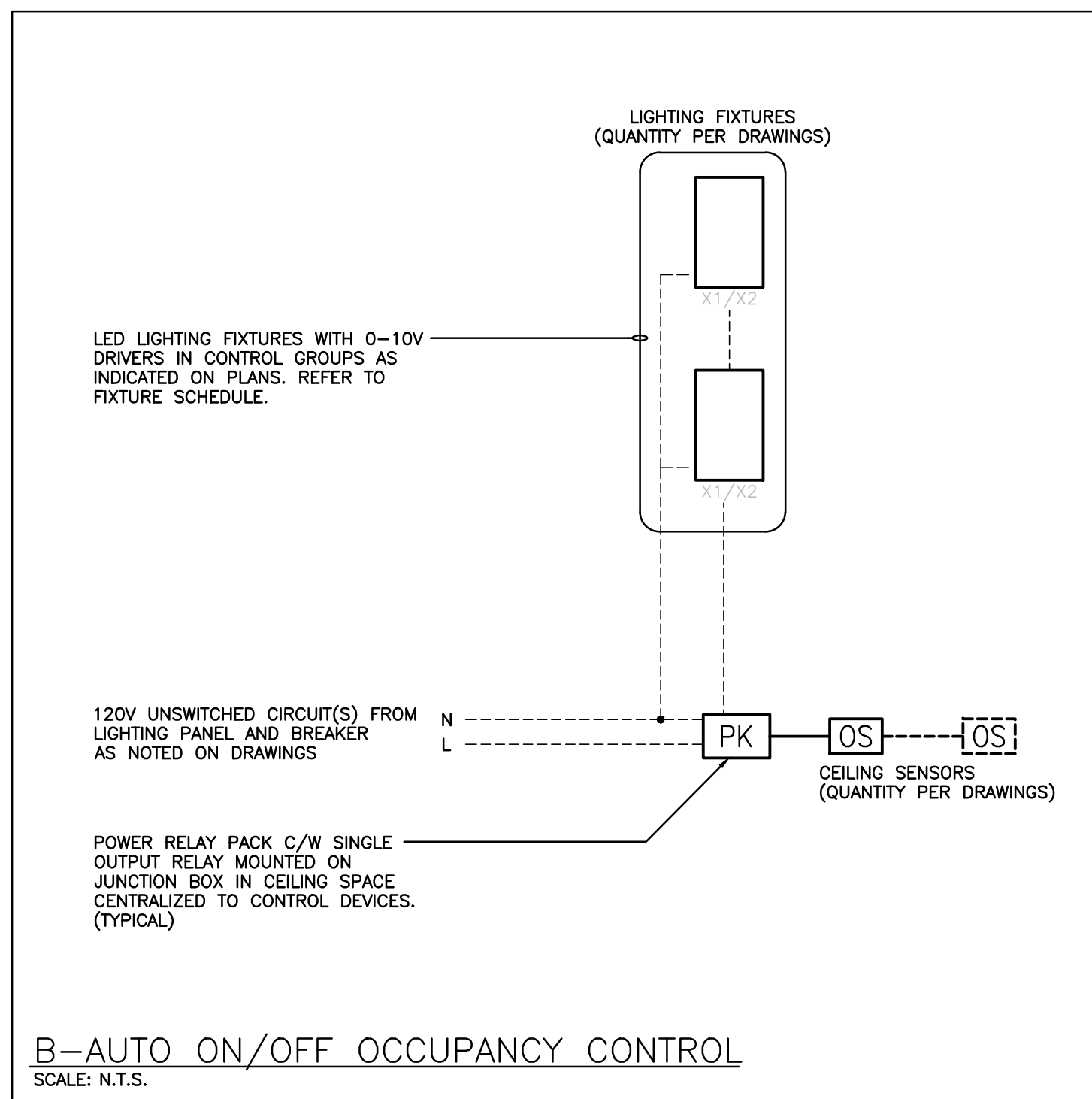
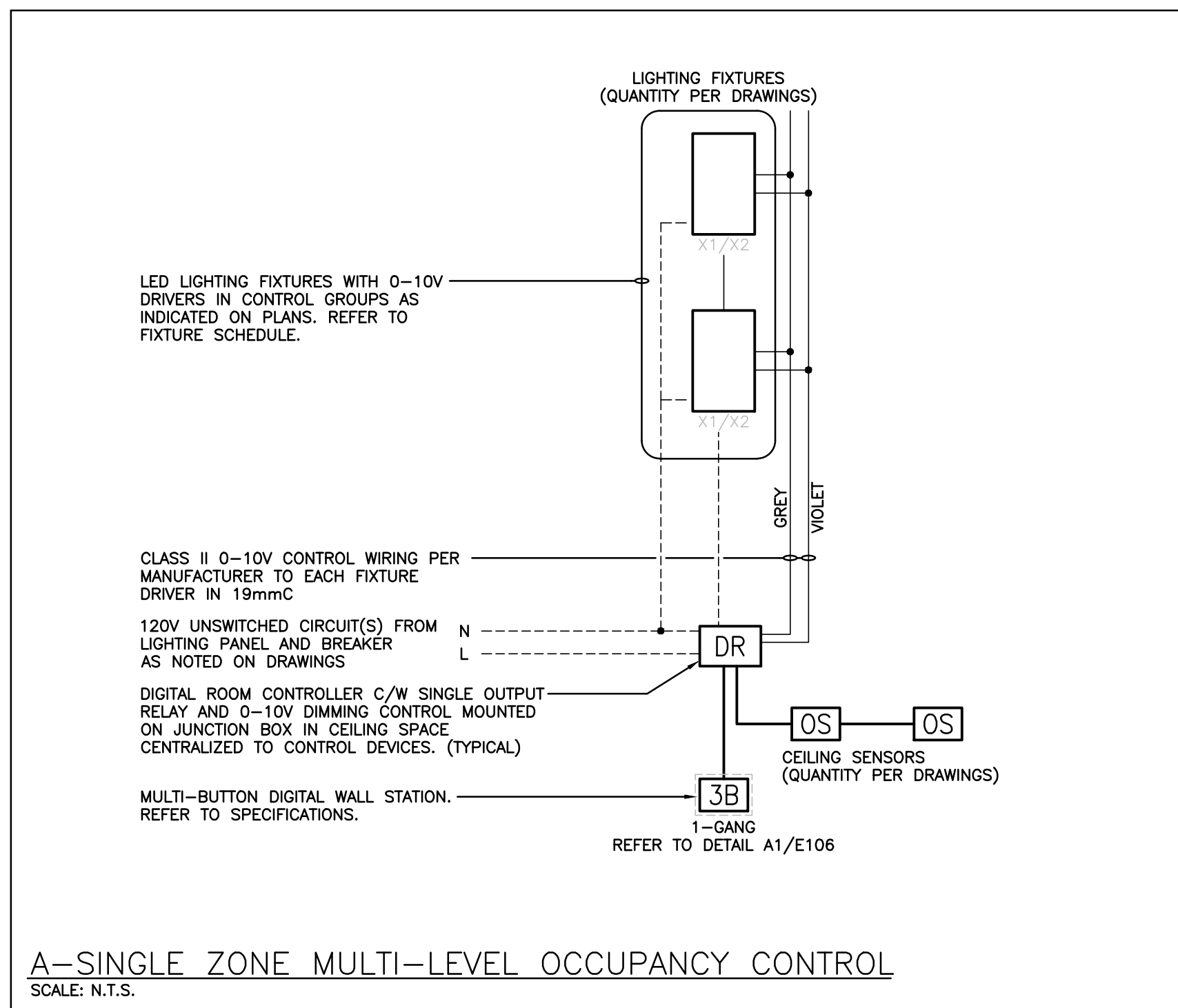
250 Water Street
Suite 201
Whitby, Ontario
L7N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbai@bba-archeng.com



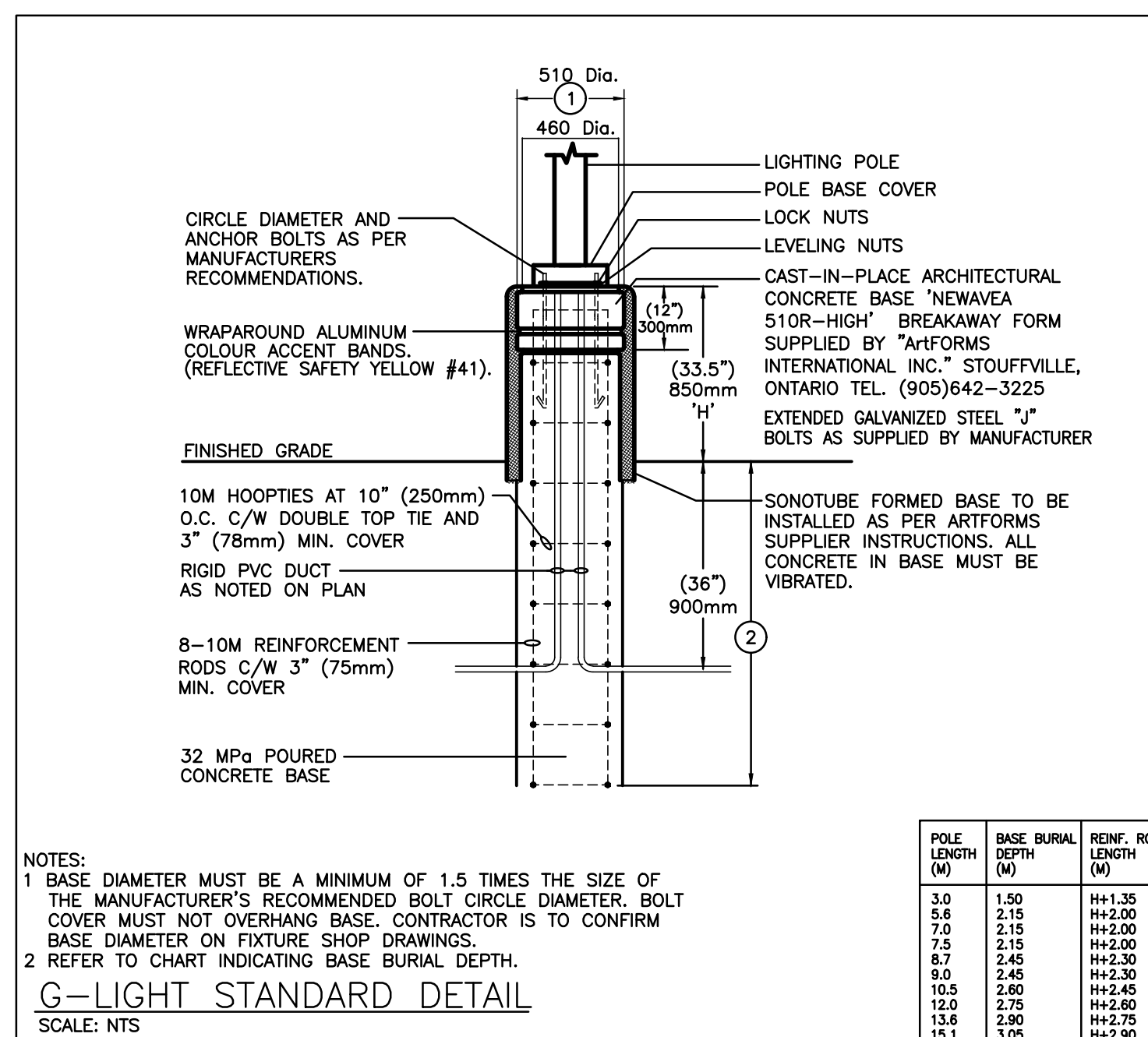
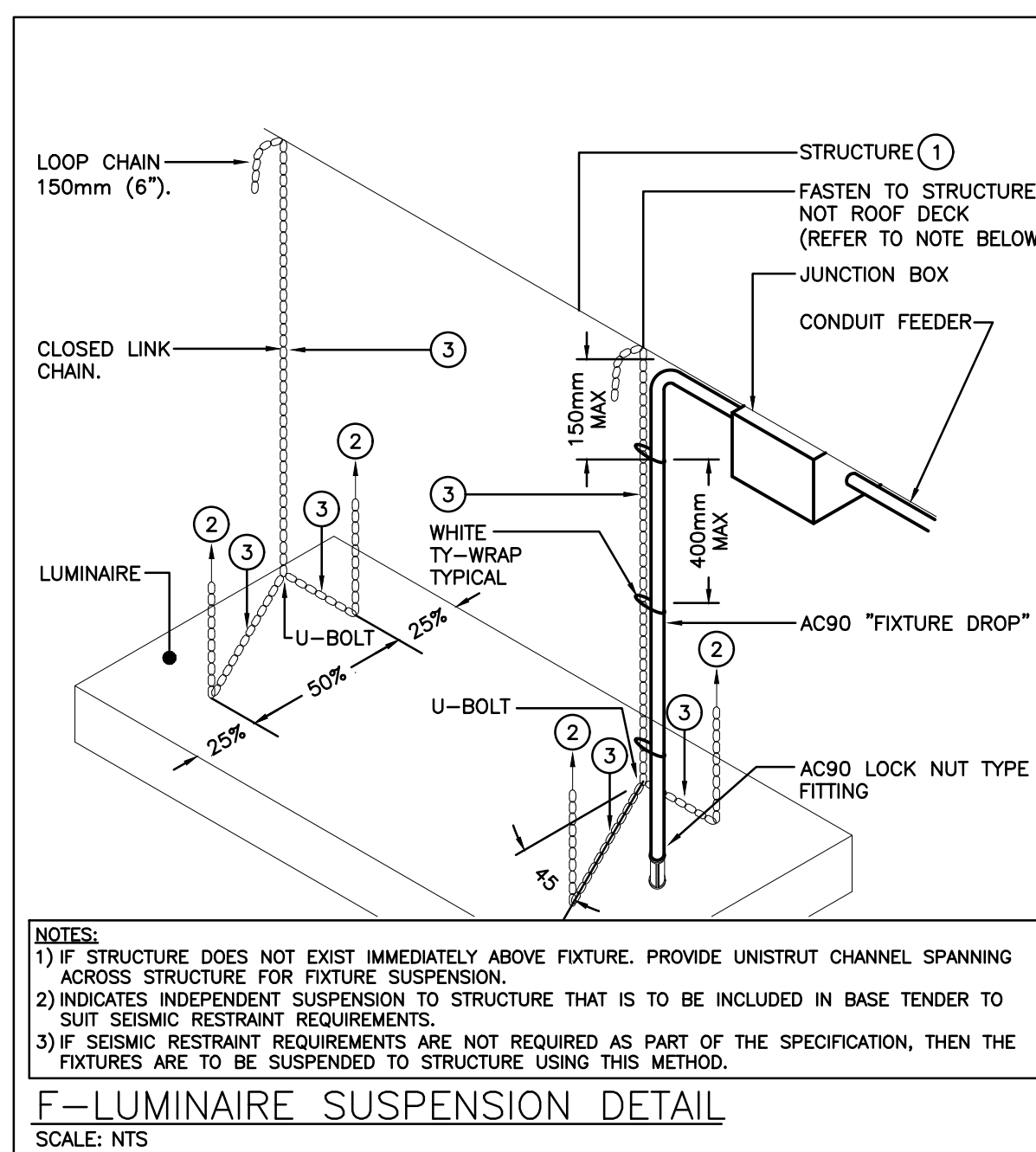
DESIGN BY: CM	DOC CONTROL: DATE:
DRAWN BY: DV	% COMPLETE:
CHECKED BY: JL	INITIAL:
DATE: MAY 2024	SCALE: AS NOTED
FILE:	

PROJECT NO: 24015	DRAWING NO: E105
-----------------------------	----------------------------



LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION				
Control Type	Room Names	Control Sequence / Control Device(s):	Control System	Detail Reference
Automatic On/Off +Manual Adjust	Reception, Craft, Children Purpose, Offices, Lounge, Multipurpose, Music	<u>Sequence:</u> AUTO ON: Lights turned on automatically via occupancy sensor. ADJUST: The occupant manually adjusts lighting within the room to desired level via wall station. AUTO OFF: Lights turn off automatically after 15 minutes of vacancy.	DIGITAL ROOM CONTROL SYSTEM	A/E106
Automatic On/Off	Large Washrooms	<u>Sequence:</u> AUTO ON: Lights turned on automatically via occupancy sensor. AUTO OFF: Lights turn off automatically after 15 minutes of vacancy.	POWER RELAY PACK	B/E106
Automatic On/Off (Line Voltage Switch)	Small Washrooms, Storages	<u>Sequence:</u> ON: Lights turn on automatically via wall sensor switch. OFF: 5 minutes after the room has been vacated, the lights will automatically off.	LINE VOLTAGE OCCUPANCY CONTROL SYSTEM	C/E106
Service Rooms (Manual On/Off)	Service Rooms,	<u>Sequence:</u> MANUAL ON/OFF: Lights turned on/off manually via light switch.	LOCAL SWITCH	N/A
Corridor Control	Corridor	<u>Sequence:</u> AUTO ON FULL: Lights turned on to 100% output via occupancy sensor in each corridor zone. AUTO ADJUST: 20 minutes after corridor zone is vacated, lights dim to 30% output.	DIGITAL ROOM CONTROL SYSTEM	D/E106
Automatic On/Off (Time Clock)	Exterior Lighting	<u>Sequence:</u> ON: Lights turn on automatically via contactor and time clock. OFF: Lights turn off automatically via contactor and time clock. MANUAL OVERRIDE: Lights turned on/off manually via hand/off/auto selector switch.	CONTACTOR & TIME CLOCK	N/A

SYSTEM DESCRIPTIONS:	
DIGITAL ROOM CONTROL (DLM) SYSTEM	LINE VOLTAGE OCCUPANCY CONTROL SYSTEM
DIGITAL ROOM CONTROL RELAY POWER PACKS C/W PLUG AND PLAY DIGITAL SENSORS AND WALL MOUNT CONTROL STATIONS.	LINE VOLTAGE WALL SENSOR SWITCHES AND LINE VOLTAGE POWER PACKS WITH HARD WIRED SENSORS.



The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings show general arrangement of services. Follow as closely as actual building construction will permit for space and location of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

Drawings are for general information, prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.

Do not scale this drawing.

© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



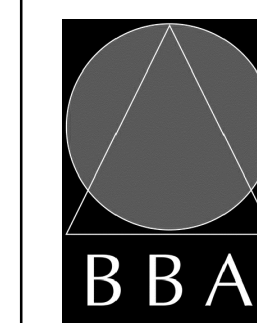
PROJECT:

MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

DETAILS

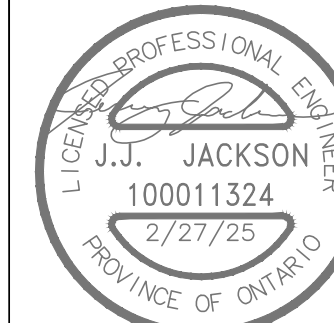


BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY: CM	DOC CONTR DATE:
DRAWN BY: DV	% COMPLETE
CHECKED BY: JL	INITIAL:

DATE:
MAY 2024

SCALE:
10 NOTES

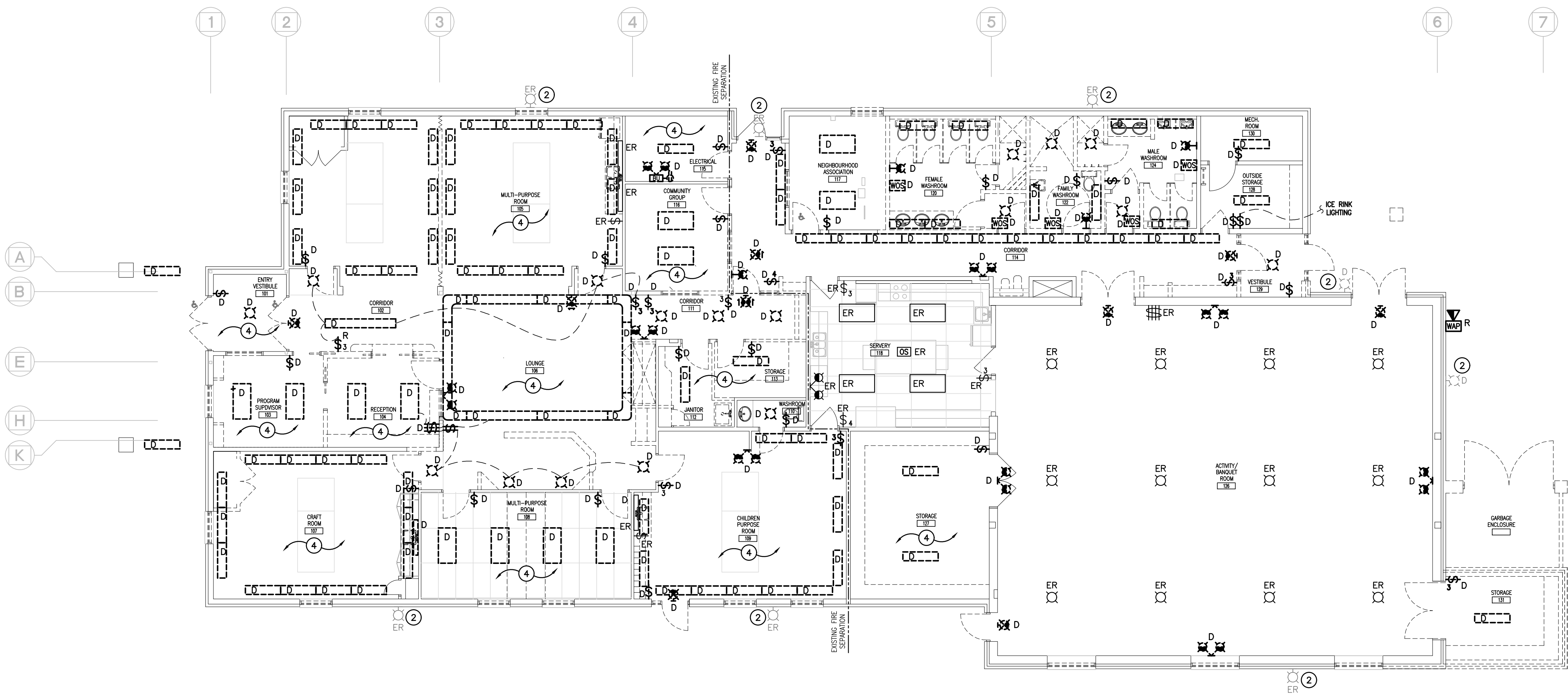
FILE:

PROJECT NO.

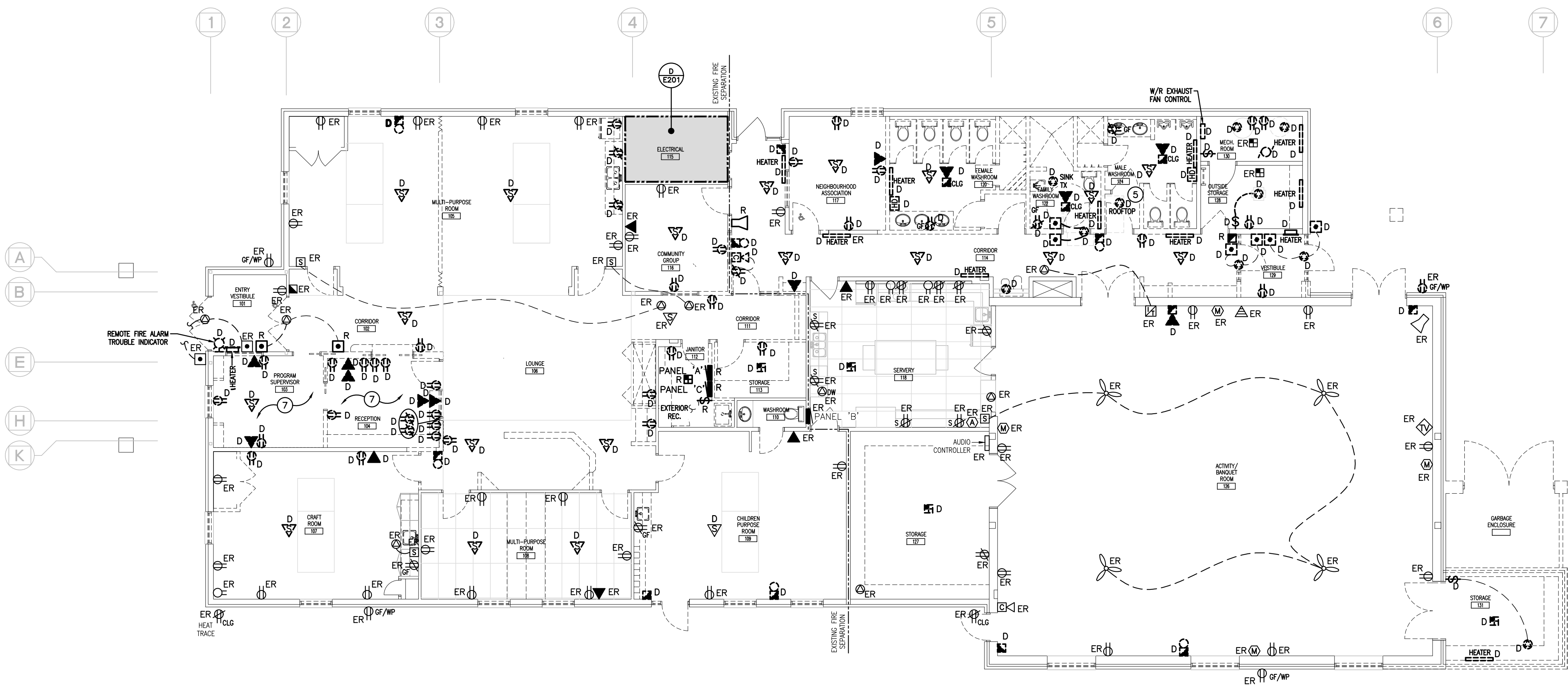
24015

DRAWING NO.

E106



A-GROUND FLOOR PLAN-DEMOLITION-LIGHTING
SCALE: 1:100



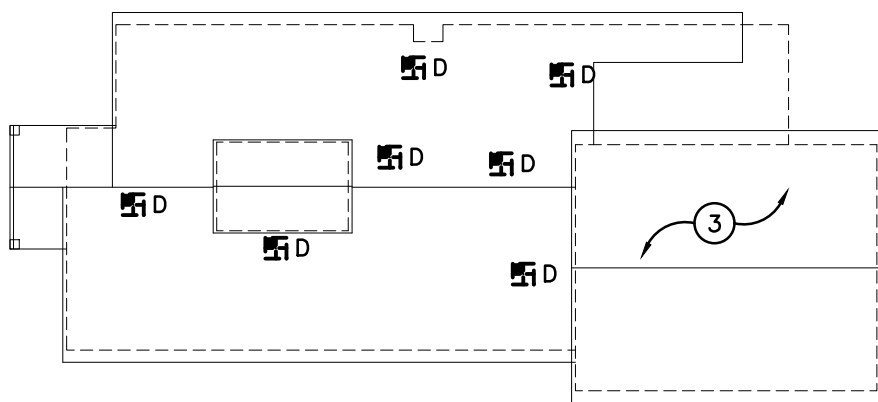
B-GROUND FLOOR PLAN-DEMOLITION-POWER & SYSTEMS
SCALE: 1:100

GENERAL DEMOLITION NOTES

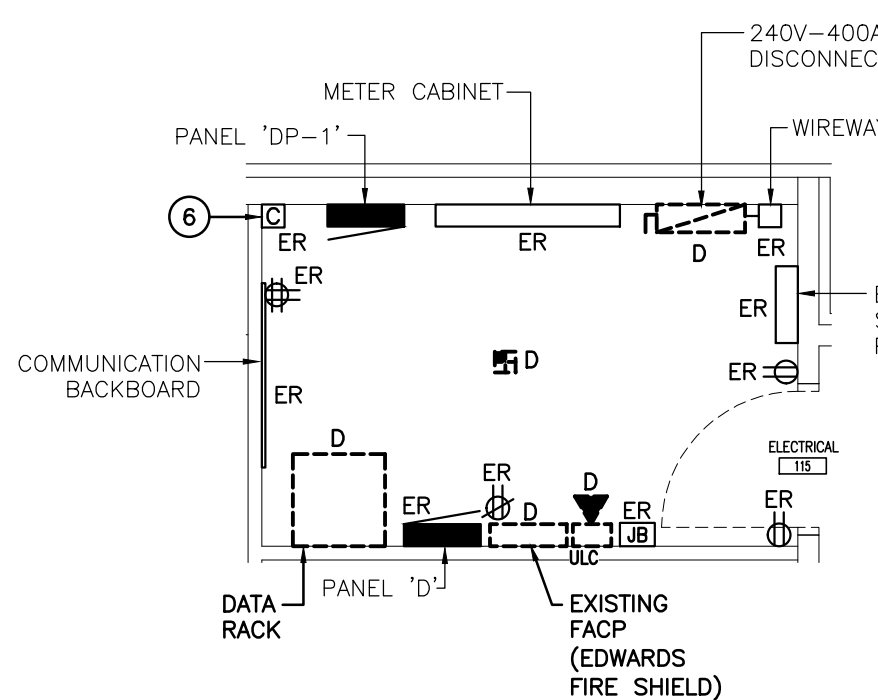
- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.

SPECIFIC DEMOLITION NOTES

- 1 THROUGHOUT THE BUILDING, REMOVE ALL P.A. SYSTEM SPEAKERS AND CONTROL DEVICES COMPLETE. PATCH CEILING TO SATISFACTION OF OWNER AND CONSULTANT.
- 2 REFER TO SITE PLAN FOR EXTERIOR SITE LIGHTING DETAILS.
- 3 ALL HEAT DETECTORS IN ATTIC SPACE TO BE DEMOLISHED AND REPLACED WITH NEW. CONFIRM EXACT LOCATION OF HEAT DETECTORS IN ATTIC SPACE ON SITE.
- 4 REMOVE LIGHTING DEVICES IN THIS AREA BUT MAINTAIN BRANCH CIRCUIT WIRING FOR RECONNECTION IN RENOVATION PHASE, UNLESS OTHERWISE NOTED.
- 5 INDICATES ROOFTOP MECHANICAL UNIT BEING REMOVED BY MECHANICAL CONTRACTOR. THIS CONTRACTOR IS TO DISCONNECT AND REMOVE FEEDER BACK TO SOURCE. DISCONNECT AND REMOVE ALL CONTROL DEVICES. LABEL SOURCE BREAKER AS SPARE.
- 6 INDICATES EXISTING EXTERIOR LIGHTING CONTROL RELAY TO BE REWORKED TO SUIT NEW EXTERIOR LIGHTING CONTROL SCHEME IN RENOVATION PHASE.
- 7 REMOVE POWER & SYSTEMS DEVICES IN THIS AREA BUT MAINTAIN BRANCH CIRCUIT WIRING FOR RECONNECTION IN RENOVATION PHASE, UNLESS OTHERWISE NOTED.



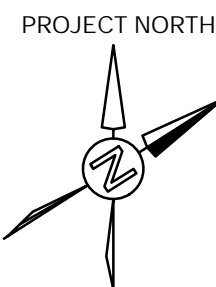
C-ATTIC FLOORPLAN
SCALE: 1:400



D-ELEC. RM 115 ENLARGED
SCALE: 1:50

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



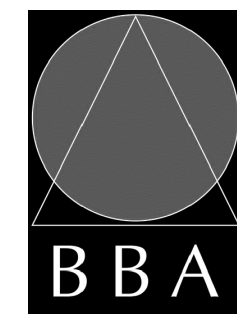
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**GROUND FLOOR PLANS-
DEMOLITION**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY:
CM

DRAWN BY:
DV

CHECKED BY:
JL

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

DOC CONTROL:
DATE:

% COMPLETE:

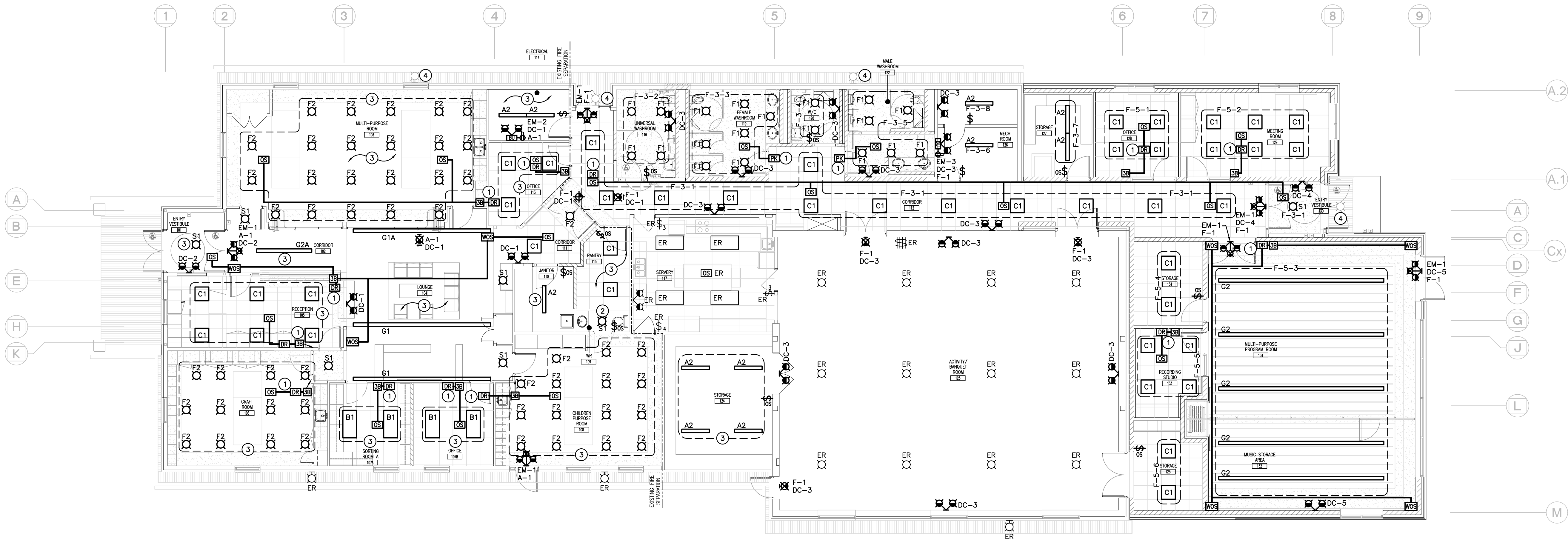
INITIAL:

PROJECT NO:

24015

DRAWING NO:

E201



A-GROUND FLOOR PLAN-RENOVATION-LIGHTING
SCALE: 1:100

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

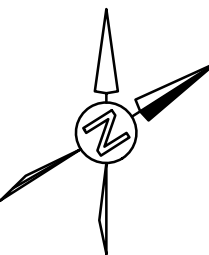
SPECIFIC RENOVATION NOTES

- 1 INDICATES DIGITAL ROOM CONTROLLER/POWER PACK RELAY INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- 2 PROVIDE ADEQUATELY SIZED TRIM RING TO SUIT EXISTING DRYWALL CUTOUT AS REQUIRED.
- 3 CONNECT FIXTURES TO EXISTING BRANCH CIRCUIT MAINTAINED FROM DEMOLITION PHASE THROUGH NEW CONTROLS AS INDICATED. EXTEND EXISTING CONDUIT AND WIRING TO SUIT NEW LOCATIONS AS REQUIRED.
- 4 REFER TO SITE PLAN FOR EXTERIOR SITE LIGHTING DETAILS.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



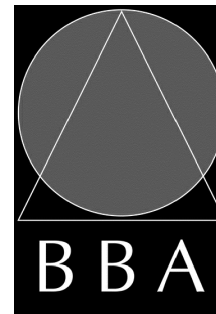
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**GROUND FLOOR PLANS-
RENOVATION-
LIGHTING**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY: CM	DOC. CONTROL: DATE:
DRAWN BY: DV	% COMPLETE:
CHECKED BY: JL	INITIAL:
DATE: MAY 2024	
SCALE: AS NOTED	
FILE:	

PROJECT NO:

24015

DRAWING NO:

E301

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

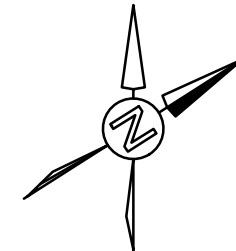
SPECIFIC RENOVATION NOTES

- 1 INDICATES NEW DATA RACK AND RECEPTACLE MOUNTED HIGH ON THE WALL.
- 2 INDICATES APPROXIMATE LOCATION FOR TV AND A/V AUXILIARY OUTLET AND ASSOCIATED POWER RECEPTACLE. COORDINATE FINAL LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 3 INDICATES MULTIGANG FLOOR BOX CONTAINING TWO (2) RECEPTACLES. PROVIDE 1-21mmC FOR BRANCH CIRCUIT WIRING.
- 4 INDICATES MULTIGANG FLOOR BOX CONTAINING RECEPTACLE, DATA, AND AUXILIARY PORT. PROVIDE 1-21mmC FOR BRANCH CIRCUIT WIRING. PROVIDE 1-21mmC TO NEAREST CABLE MANAGEMENT SYSTEM FOR DATA ROUGH-INS. PROVIDE 1-35mmC FROM FLOORBOX TO BOTTOM OF AUXILIARY PORT ROUGH-IN AT LOCAL MEDIA WALL. CONFIRM EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 5 INDICATES RECEPTACLE DEDICATED TO CHANGE TABLE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- 6 ALL HEAT DETECTORS IN ATTIC SPACE TO BE DEMOLISHED AND REPLACED WITH NEW. CONFIRM EXACT LOCATION OF HEAT DETECTORS IN ATTIC SPACE ON SITE.
- 7 INDICATES SNOW MELT CONTROLLER AND ASSOCIATED CONTACTOR. REFER TO DETAIL H/E105 FOR DETAILS.
- 8 INDICATES 20A-1P CONTACTOR CONTROLLING F-31 EXTERIOR BACK-LIGHTING. CONTACTOR IS TO BE C/W 24V INTEGRAL TRANSFORMER CONTROL, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT. PROVIDE TIMECLOCK FOR AUTOMATIC CONTROL. PROVIDE LAMACOID AND LABEL "BACKLOT LIGHT". REFER TO DISTRIBUTION RISER AND SITE PLAN FOR DETAILS. COORDINATE FINAL LOCATION ON SITE.
- 9 WITHIN CEILING SPACE PROVIDE STEPDOWN TRANSFORMER (120-24V). REFER TO WIRING SCHEMATIC DETAIL C/E105 AND RUN NOTED CIRCUIT THROUGH TRANSFORMER. THEN RUN 24V CIRCUIT THROUGH AUXILIARY CONTACTS IN FIRE ALARM CONTROL PANEL THEN ONTO RELAY BASE OF SMOKE DETECTOR THEN TO ALL DOOR HOLDERS.
- 10 CONNECT NEW RECEPTACLES TO EXISTING LOCAL RECEPTACLE BRANCH CIRCUITS MAINTAINED FROM DEMOLITION PHASE. EXTEND EXISTING CONDUIT AND WIRING TO SUIT NEW LOCATIONS AS REQUIRED.
- 11 INDICATED RECEPTACLE SHALL BE MOUNTED WITHIN SHROUD OF WATER FILL STATION. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT ON SITE PRIOR TO ROUGH-IN.
- 12 INDICATES 120V CONNECTION TO 24VDC STEP-DOWN TRANSFORMER MOUNTED ABOVE CEILING OR AT HIGH LEVEL FOR AUTOMATIC FIXTURE(S). COORDINATE WITH MECHANICAL CONTRACTOR. CONNECT UPSTREAM OF LOCAL GROUND FAULT STYLE RECEPTACLE CIRCUIT.
- 13 INDICATES RECEPTACLE DEDICATED TO R.O. WATER SYSTEM. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 14 INDICATES 120V POWER CAPPED IN JUNCTION BOX FOR MECHANICAL VLT'S. COORDINATE LOCATION WITH MECHANICAL TRADE PRIOR TO ROUGH-IN.
- 15 INDICATES EXISTING EXTERIOR LIGHTING CONTROL RELAY TO BE REWORKED TO SUIT NEW EXTERIOR LIGHTING CONTROL SCHEME IN RENOVATION PHASE.
- 16 INDICATES MULTI-GANG FLOORBOX CONTAINING TWO RECEPTACLES AND TWO DATA OUTLETS. PROVIDE 1-21mm CONDUIT FOR BRANCH CIRCUIT WIRING. STUB UP 1-21mmC IN FURRED PARTITION WALL FOR DATA ROUGH-INS AS SHOWN. CONFIRM EXACT LOCATION OF FLOORBOX WITH ARCHITECT PRIOR TO ROUGH-IN.
- 17 INDICATES RECEPTACLE AT HIGH LEVEL FOR FUTURE SECURITY MONITOR. COORDINATE EXACT LOCATION AND HEIGHT WITH ARCHITECTURAL DRAWINGS.
- 18 INDICATED RECEPTACLE TO BE MOUNTED BENEATH COUNTERTOP FOR FUTURE MICROWAVE.
- 19 INDICATES 120V CONNECTION TO STEP-DOWN TRANSFORMER MOUNTED ABOVE CEILING OR AT HIGH LEVEL FOR DOORBELL SYSTEM. COORDINATE SECONDARY VOLTAGE WITH SHOP DRAWINGS PRIOR TO ORDERING.
- 20 INDICATES 20A-1P CONTACTOR CONTROLLING F-29 RINK LIGHTING. CONTACTOR IS TO BE C/W 24V INTEGRAL TRANSFORMER CONTROL, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT. PROVIDE TIMECLOCK FOR AUTOMATIC CONTROL. PROVIDE LAMACOID AND LABEL "RINK LGT.". REFER TO DISTRIBUTION RISER AND SITE PLAN FOR DETAILS. COORDINATE FINAL LOCATION ON SITE.
- 21 INDICATES RELOCATED PANEL. PROVIDE JUNCTION BOX TO EXTEND BRANCH CIRCUIT WIRING TO NEW PANEL LOCATION. PROVIDE TERMINAL STRIPS. BRANCH CIRCUIT WIRING SHALL BE EXTENDED AND MATCHED TO EXISTING WIRING SIZES.
- 22 PROVIDE 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR, AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



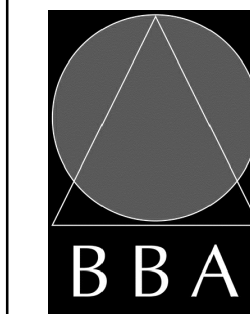
PROJECT:

MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

GROUND FLOOR PLANS- RENOVATION- POWER & SYSTEMS



BARRY BRYAN ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY: CM

DRAWN BY: DV

CHECKED BY: JL

DATE: MAY 2024

SCALE: AS NOTED

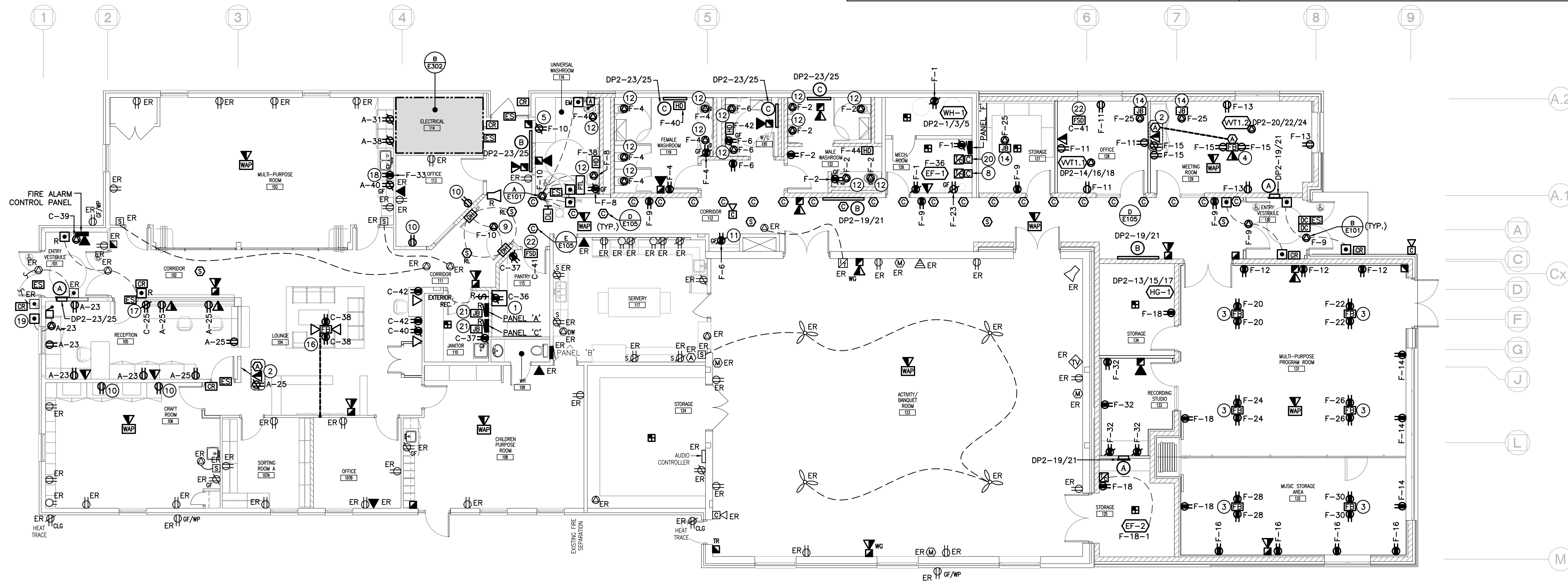
FILE:

PROJECT NO:

24015

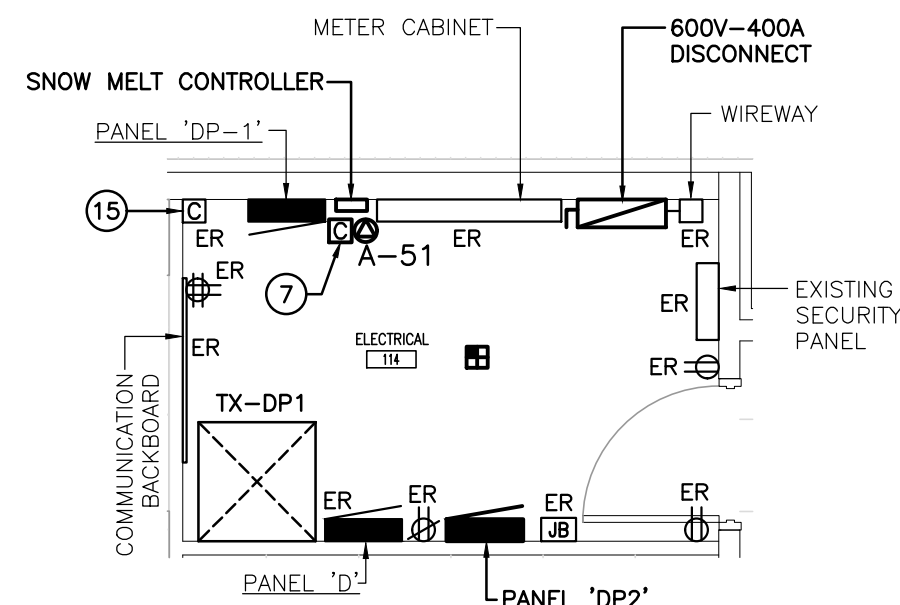
DRAWING NO:

E302



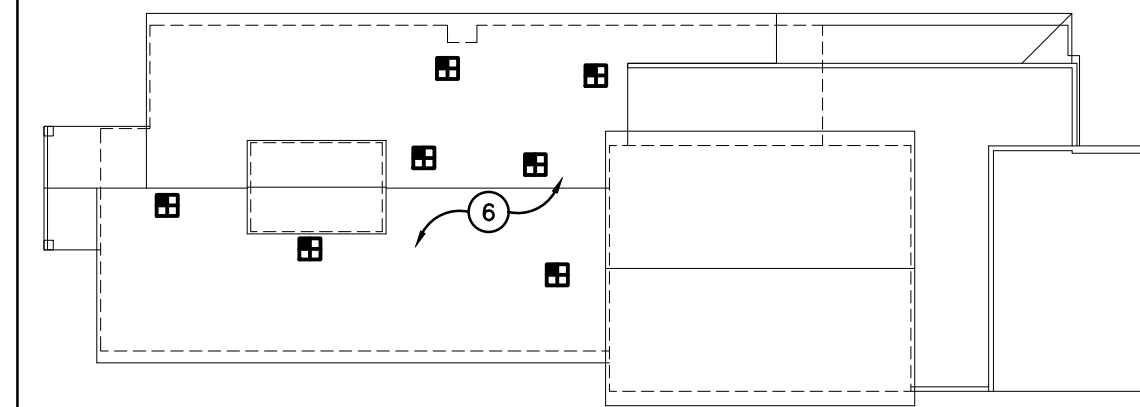
A-GROUND FLOOR PLAN-RENOVATION-POWER & SYSTEMS

SCALE: 1:100



B-ELEC. RM ENLARGED

SCALE: 1:50



C-ATTIC FLOORPLAN

SCALE: 1:400

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

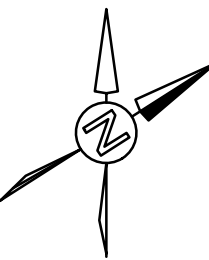
SPECIFIC RENOVATION NOTES

- 1 PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN--USE" WEATHER--PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE. INDICATED DEVICE IS TO BE MOUNTED ±36" (900mm) ABOVE FINISHED ROOF LEVEL.
- 2 DISCONNECT AND REMOVE EXISTING CONNECTION TO MECHANICAL EQUIPMENT AND DEMOLISH ROOF CONE. PROVIDE NEW ROOF CONE AT TIME OF RE--ROOFING AND RECONNECT POWER TO MECHANICAL UNIT.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

PROJECT NORTH



NO.	REVISIONS	DATE	BY
-----	-----------	------	----



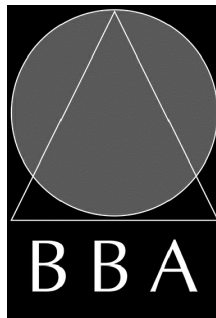
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**GROUND FLOOR PLANS-
RENOVATION-
POWER & SYSTEMS**



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com



DESIGN BY:
CM

DOC. CONTROL:
DATE:

DRAWN BY:
DV

% COMPLETE:

CHECKED BY:
JL

INITIAL:

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

PROJECT NO:

24015

DRAWING NO:

E303

GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED, REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.

DISTRIBUTION RISER NOTES

- 1 REFER TO SPECIFICATION FOR INFORMATION REGARDING MOULDED CASE CIRCUIT BREAKERS.
- 2 ALL DISTRIBUTION EQUIPMENT ARE TO BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-308(1),(2)
- 3 INSTALL GROUND WIRE TO SUIT THE ELECTRICAL SAFETY CODE IN ALL CONDUIT.
- 4 ALL LIGHTING CIRCUITS ARE TO BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
- 5 INDICATES TRANSFORMER WITH NAME AND KVA RATING AS NOTED C/W PRIMARY OF 600V 3P 3W, SECONDARY OF 120/208V 3P 4W, K FACTOR OF 1 AND ½Z MINIMUM OF 3%.
- 6 INDICATES MULTI-POLE CONTACTOR AND TIMELOCK FOR CONTROL OF DEVICES AS INDICATED. REFER TO FLOOR AND SITE PLANS FOR LOCATIONS & DETAILS.
- 7 PAINT INDICATED DEVICE RED TO SUIT THE ELECTRICAL SAFETY CODE.
- 8 INDICATES RELOCATED PANEL. PROVIDE JUNCTION BOX TO EXTEND BRANCH CIRCUIT WIRING TO NEW PANEL LOCATION. PROVIDE TERMINAL STRIPS. BRANCH CIRCUIT WIRING SHALL BE EXTENDED AND MATCHED TO EXISTING WIRING SIZES.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



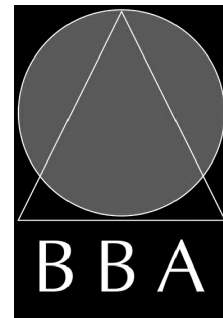
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

**DISTRIBUTION RISER
DIAGRAM-DEMOLITON &
RENOVATION**



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbai@bba-archeng.com



DESIGN BY:
CM

DRAWN BY:
DV

CHECKED BY:
JL

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

DOC CONTROL:
DATE:

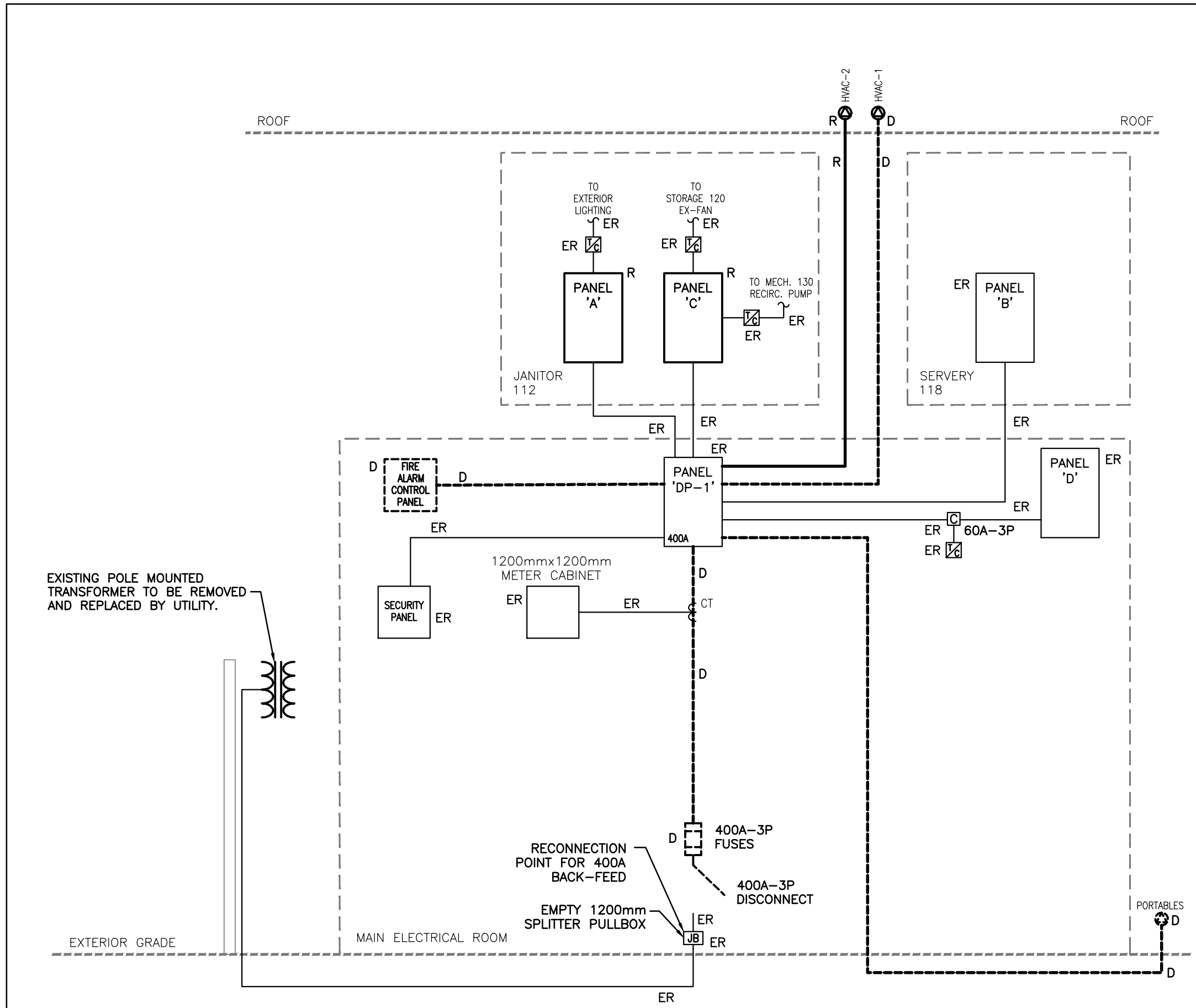
% COMPLETE:
INITIAL:

PROJECT NO:

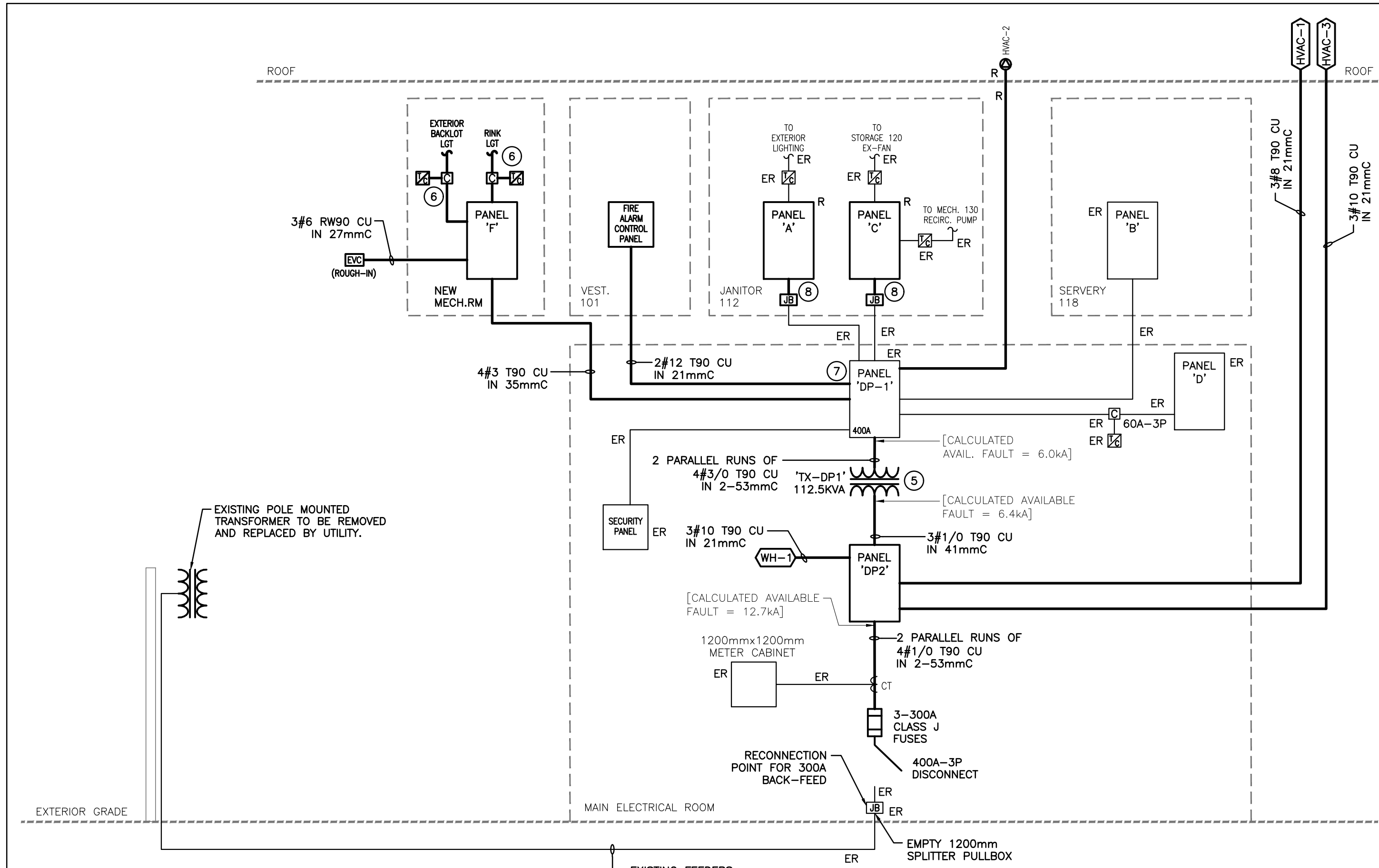
24015

DRAWING NO:

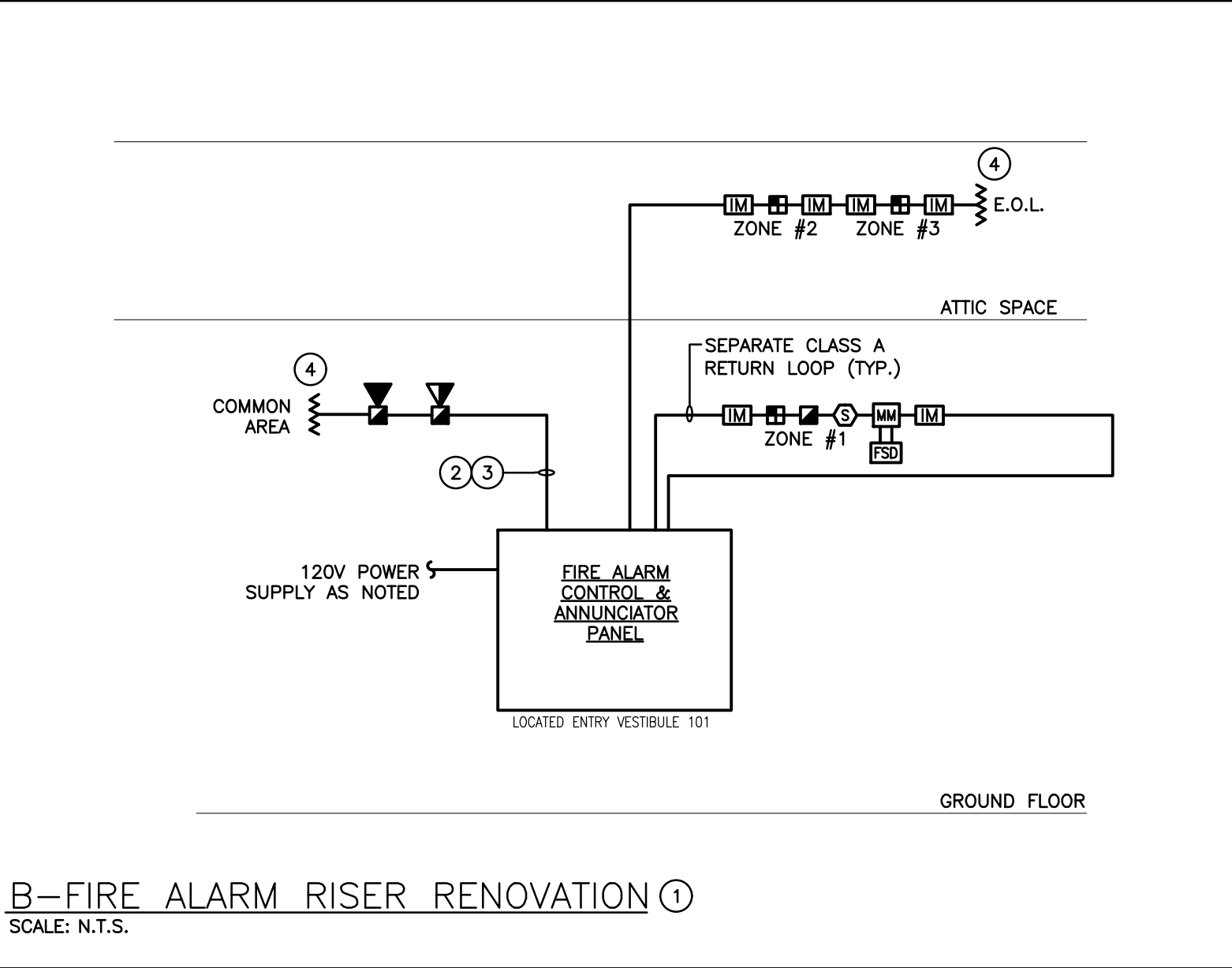
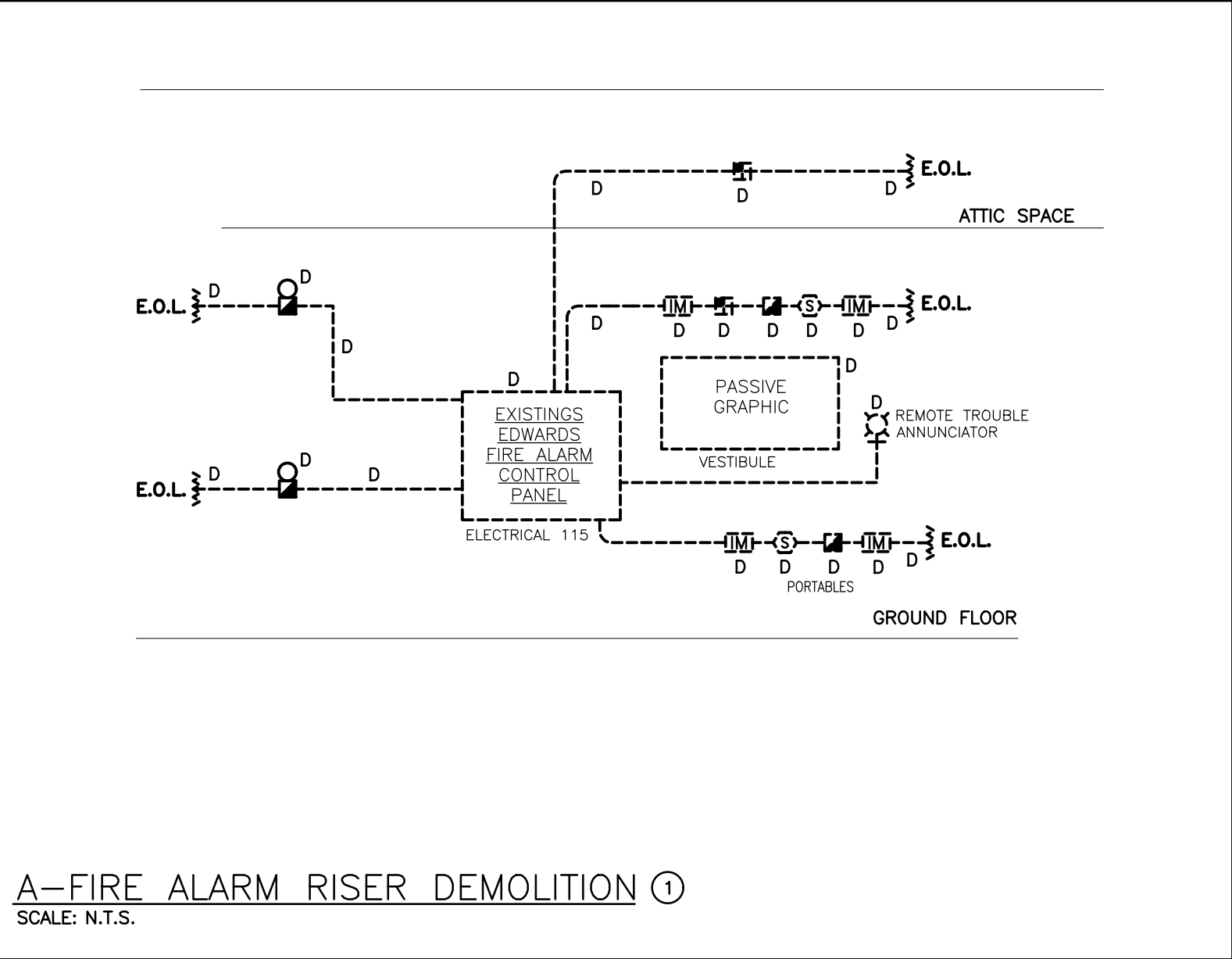
E401



A-DISTRIBUTION RISER DIAGRAM-DEMOLITION
SCALE: 1:100



B-DISTRIBUTION RISER DIAGRAM-RENOVATION
SCALE: 1:100



GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

- 1 REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITIES OF DEVICES.
- 2 CONTRACTOR IS TO CONFIRM WIRE SIZE (BASED UPON LENGTH OF CIRCUIT RUN AND QUANTITY OF SIGNALS) FOR SIGNAL CIRCUIT WITH MANUFACTURER.
- 3 PROVIDE THE REQUIRED NUMBER OF SIGNAL CIRCUITS TO SUIT THE QUANTITY OF STROBES. SIGNAL CIRCUITS ARE TO BE ALTERNATED.
- 4 LOCATE END OF LINE RESISTORS AND ISOLATOR MODULES IN SERVICE ROOMS AT $\pm 1.8\text{M}$ AFF. PROVIDE LAMACOID LABEL INDICATING ZONE LABEL AND NUMBER.
- 5 AS PART OF SHOP DRAWING SUBMITTAL PROCESS THE DRAWING FOR THIS ANNUNCIATOR IS TO BE FORWARDED TO THE LOCAL BUILDING DEPARTMENT FOR REVIEW/APPROVAL PRIOR TO RELEASE INTO PRODUCTION.

FIRE ALARM ANNUNCIATOR SCHEDULE

Zone	Description	Alarm	Supervisory
1	COMMUNITY CENTRE	•	
2	ATTIC	•	
3	ATTIC	•	
4	FIRE SMOKE DAMPER POWER		•
5	SPARE		
6	SPARE		
7	SPARE		

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-2555
Website: deiconsulting.ca
Project Number: 24030

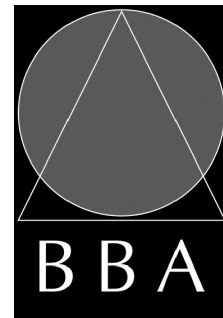
PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

FIRE ALARM RISER



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbai@bba-archeng.com



DESIGN BY:
CM

DOC. CONTROL:
DATE:

DRAWN BY:
DV

% COMPLETE:

CHECKED BY:
JL

INITIAL:

DATE:
MAY 2024

SCALE:
AS NOTED

FILE:

PROJECT NO:

24015

DRAWING NO:

E501

EXTERIOR LIGHT FIXTURE SCHEDULE										
Item	Manufacturer/Catalog Number		Voltage	Lamp	Mounting	CRI	Listings	LLF	Description	
W1 (2)	COOPER CAT. #IST-SA1B-730-9-SL2-XX LITHONIA CAT. #WDGE2 LED P4 30K 70CRI T4M MVOLT SRM XXXXX SIGNIFY CAT. #GWM-A07-830-TM4-UNV		120V	LED 3434 LUMENS 3000K 25.4W	WALL	70	IP66 IDA	0.90	COMPLETE CUT OFF TRAPEZOIDAL LED WALLPACK FIXTURE C/W TYPE '2" WITH SPILL CONTROL DISTRIBUTION, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 450mA DRIVER, AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS.	
Y1 (2)	COOPER CAT. #XTOR1B-Y LITHONIA CAT. #WPX1 LED P1 30K MVOLT XX SIGNIFY CAT. #LPW16-20-WW-G3-4-120-XX		120V	LED 1327 LUMENS 3000K 12W	SURFACE WALL	70	IP66 IDA	0.90	WALL MOUNTED LED FIXTURE, 103mA DRIVER, CAST ALUMINUM HOUSING. FINISH TO SUIT ARCHITECT.	
Z1 (2)	McGRAW-EDISON CAT. #GALN-SA2C-730-U-T4-XX-HSS POLE: VALMONT CAT. #DS330-400Q160-D1-FPGV-XX- FBC-AB OR EQUAL LITHONIA CAT. #DSXO LED P5 30K T4M MVOLT SPA HS XXXXX SIGNIFY CAT. #P15-P-A06-730-T4M-AR1-HVU-XXX HS		120V	LED 13662 LUMENS 3000K 93W	POLE	70	DLC IDA	0.90	POLE MOUNTED DECORATIVE LED FIXTURE C/W HOUSE SIDE SHIELD, EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' DISTRIBUTION OPTICS, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 800mA DRIVER, AND 17" (5.2m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.	
Z1A (2)	McGRAW-EDISON CAT. #GALN-SA2C-730-U-T4-XX-HSS LITHONIA CAT. #DSXO LED P5 30K T4M MVOLT SPA HS XX SIGNIFY CAT. #P15-P-A06-730-T4M-AR1-HVU-XXX HS		120V	LED 13662 LUMENS 3000K 93W	POLE	70	DLC IDA	0.90	SIMILAR TO FIXTURE "Z1" BUT PROVIDE WITHOUT A POLE. COORDINATE APPROPRIATE POLE MOUNTING ARM PRIOR TO ORDERING LIGHT FIXTURE.	
NOTES: (1) LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT. (3) IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.										
(2) WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (i.e. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL.										

LIGHT FIXTURE SCHEDULE										
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	CRI	Listings	Description			
A1	COOPER CAT. #4SNLED-LD5-44SL-UW-UNV-LB40-CD-1 LITHONIA CAT. #CLX L48 5000LM SEF RDL WD MVOLT GZ10 40K 80CRI WH SIGNIFY CAT. #SDS42448LBCT-UN3-DIM-FKR-126 (SET TO 4000K AND 4850LM)	120V	LED 4601 LUMENS 4000K 38W	SURFACE COVE	80	DLC DAMP LOC.	4" (1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, 10% 0-10V DIMMING DRIVER.			
A2	COOPER CAT. #4SNLED-LD5-44SL-UW-UNV-LB40-CD-1-AYC-WG/SNF-4FT LITHONIA CAT. #CLX L48 3000LM SEF RDL WD MVOLT GZ10 40K 80CRI WH/WGLX48 SIGNIFY CAT. #SDS42448LBCT-UN3-DIM-FKR-126-SDS4WG (SET TO 4000K AND 4850LM)	120V	LED 4511 LUMENS 4000K 38W	SUSPENDED	80	DLC DAMP LOC.	4" (1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD. NOTE: SUSPEND TO MAINTAIN MAXIMUM HEADROOM.			
A3	COOPER CAT. #4SNLED-LD5-23SL-UW-UNV-LB40-CD-1-AYC-WG/SNF-4FT LITHONIA CAT. #CLX L48 5000LM SEF RDL WD MVOLT GZ10 40K 80CRI WH/WGLX48 SIGNIFY CAT. #SDS42448LBCT-UN3-DIM-FKR-126-SDS4WG (SET TO 4000K AND 2430LM)	120V	LED 2410 LUMENS 4000K 18W	SUSPENDED	80	DLC DAMP LOC.	4" (1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD. NOTE: SUSPEND TO MAINTAIN MAXIMUM HEADROOM.			
B1	COOPER CAT. #24C22-LD5-40-UNV-LB40-CD-1 LITHONIA CAT. #2BLT4 40L ADSM MVOLT GZ1 LPB40 SIGNIFY CAT. #2EVG3BLB40-4-DS-UNV-DIM	120V	LED 4257 LUMENS 4000K 30.4W	RECESSED	80	DLC DAMP LOC.	2'X4" (610mmX1220mm) VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC CENTRE LENS, 1% 0-10V DIMMING DRIVER, AND WHITE FINISH.			
C1	COOPER CAT. #22C22-LD5-20-UNV-LB40-CD-1 LITHONIA CAT. #2BLT2 20L ADSM MVOLT GZ1 LPB40 SIGNIFY CAT. #2EVG20LB40-2-DS-UNV-DIM	120V	LED 2142 LUMENS 4000K 16.2W	RECESSED	80	DLC DAMP LOC.	2'X2" (610mmX610mm) VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC CENTRE LENS, 1% 0-10V DIMMING DRIVER, AND WHITE FINISH.			
F1	COOPER CAT. #HC405D010-HM412840-41MDHWF LITHONIA CAT. #LDN4 40/05 L04AR LSS MVOLT GZ1 TRW LIGHTOLIER CAT. #4RN-C4L05840MZ10U-C4RDLXX	120V	LED 500 LUMENS 4000K 6.1W	RECESSED	80	ENERGY STAR WET LOC.	RECESSED 4" (100mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 60 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, AND 1% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.			
F2	COOPER CAT. #HC410D010-HM412840-41MDHWF LITHONIA CAT. #LDN4 40/10 L04AR LSS MVOLT GZ1 TRW LIGHTOLIER CAT. #4RN-C4L10840MZ10U-C4RDLXX	120V	LED 948 LUMENS 4000K 10W	RECESSED	80	ENERGY STAR WET LOC.	RECESSED 4" (100mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 60 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, AND 1% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.			
G1	3G LIGHTING CAT. #3G-2WLU-DI-D500- LC300-SB0-40K-UNV-DIM-DASY-ASY-XX-1C-S-20 MARK CAT. #S2WD-LIP-20FT-X-80CRI-40K-500LMF- I80CRI-140K-1300LMF-AS-SCF-MINI-FL-DCF-IMVOLT-X-ZT AXIS CAT. #TB2WDILED-300-500-80-40-SLA-ASO- S(20)-X-UNV-DP-1	120V	LED 16000 LUMENS 4000K 133W	SURFACE WALL	80	DAMP LOC.	20' (6096mm) LONG X 2" (51mm) WIDE DIRECT (52.5%) / INDIRECT (37.5%) SUSPENDED LUMINAIRE C/W MOUNTING HARDWARE, EXTRUDED ALUMINUM HOUSING, 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS (UP/DOWN). STANDARD FINISH TO BE SELECTED BY ARCHITECT.			
G1A	3G LIGHTING CAT. #3G-2WLU-DI-D750- LC300-SB0-40K-UNV-DIM-DASY-ASY-XX-1C-S-20 MARK CAT. #S2WD-LIP-20FT-X-80CRI-40K-750LMF- I80CRI-140K-1300LMF-AS-SCF-MINI-FL-DCF-IMVOLT-X-ZT AXIS CAT. #TB2WDILED-300-750-80-40-SLA-ASO- S(20)-X-UNV-DP-1	120V	LED 21000 LUMENS 4000K 165W	SURFACE WALL BOTTOM AT 16'0" AFF	80	DAMP LOC.	20' (6096mm) LONG X 2" (51mm) WIDE DIRECT (71%) / INDIRECT (29%) SUSPENDED LUMINAIRE C/W MOUNTING HARDWARE, EXTRUDED ALUMINUM HOUSING, 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS (UP/DOWN). STANDARD FINISH TO BE SELECTED BY ARCHITECT.			
G1B	3G LIGHTING CAT. #3G-2PLI-D300-SB0-40K-UNV- DIM-FL-X-120-60"-S-8 MARK CAT. #S2PD LLP 8FT MSLB 80CRI 40K 300LMF SCT MINI FLL MVOLT X ZT F2/36A SQCY X BORD DPL AXIS CAT. #TB2DILED-300-80-40-SO-8-X-UNV-DP- 1-CA(36)	120V	LED 2400 LUMENS 4000K 19W	SUSPENDED (SUSPEND TO MAINTAIN MAXIMUM HEADROOM)	80	DAMP LOC.	8' (2438mm) LONG X 2" (51mm) WIDE DIRECT SUSPENDED LUMINAIRE C/W AIRCRAFT CABLE SUSPENSION (CHORD LENGTH TBD ON SITE), STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSER. FINISH TO BE SELECTED BY ARCHITECT.			
G2	3G LIGHTING CAT. #3G-4PLI-D-0500-SB0-40K-UNV-UNV- DIM-FL-BK-120-24" MARK CAT. #S4PD LLP 24FT MSLB 80CRI 40K 500LMF MINI SCT MVOLT BKT ZT F2/144A RQCY BLKCY BORD DPL AXIS CAT. #TB4DILED-500-80-40-SO-S(24)-BLK-UNV-DP- 1-CIS(120)	120V	LED 12000 LUMENS 4000K 84W	SUSPEND BOTTOM OF FIXTURE ALIGNED WITH BAFFLES	80	DAMP LOC.	24' (7315mm) LONG X 4" (102mm) WIDE DIRECT SUSPENDED LUMINAIRE C/W AIRCRAFT CABLE SUSPENSION (CHORD LENGTH TBD ON SITE), STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSER. COLOUR TO BE BLACK.			
S1	COOPER CAT. #HC6R10D010-HM6R0525840-62RMDHX LITHONIA CAT. #LDN6RV 40/10 LR6X LSS MVOLT GZ1 LIGHTOLIER CAT. #6RR-C6L10940MZ10UR-C6RDLCL-X	120V	LED 1000 LUMENS 4000K 10W	RECESSED	80	ENERGY STAR WET LOC.	RECESSED RETROFIT 6" (152mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 60 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, AND 1% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH. PROVIDE OVERSIZED TRIM RING TO SUIT.			
EXIT LIGHTS	AIMLITE CAT. #RPALWUMWHTUNVDC STANPRO CAT. #RWX12W1-UDC LUMACELL CAT. #LA3WUX	12V/120V	LED 2.5 WATT (MAX.)AC 2 WATT (MAX.)DC	SURFACE	N/A	N/A	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, AND MAXIMUM 2.5" (63mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS.			
EMERG. LIGHTS	AIMLITE CAT. #RMSM212V4WLJWHT STANPRO CAT. #N2-06-12V4WLJWH LUMACELL CAT. #MOM2LD7	12V	LED 2-4W MR16	SURFACE	N/A	N/A	TWIN HEAD LED REMOTE MR16 FIXTURE C/W COMPACT DESIGN, THERMOPLASTIC CONSTRUCTION, WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION.			
COMBO UNIT	AIMLITE CAT. #CARPW SERIES EM-1 #CARPW12036X2SM4WLJATD STANPRO CAT. #PRMXL SERIES EM-1 #PRMXL10361-2N4LJ-AT LUMACELL CAT. #LAC SERIES EM-1 #LACXW12502LD7ATN	12V/120V	LED 2-4W MR16	SURFACE	N/A	N/A	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 2.5" (63mm) THICKNESS, 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER AND AUTOTEST FEATURE. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. FACES AND CHEVRONS TO SUIT DRAWINGS.			
EMERG. BATT.	AIMLITE #EBST12 SERIES: EM-2 #EBST12100-2SM4WLRWHT-ATD EM-3 #EBST12200-2SM4WLRWHT-ATD STANPRO CAT. #SLX12 SERIES EM-2 #SLB12100-2N4LJ/AT EM-3 #SLC12200-2N4LJ/AT LUMACELL CAT. #RGS SERIES EM-2 #RG12S1002LD7ATN EM-3 #RG12S2002LD7ATN	12V/120V	LED 2-4W MR16	SURFACE	N/A	N/A	LONG LIFE, SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER C/W MICRO SIZE 12V 4W (MINIMUM) LED HEADS AND AUTOTEST FEATURE.			
NOTES:	① LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT. ② WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (i.e. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL. ③ IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.									

HEATER SCHEDULE	
Item	Manufacturer/Catalog Number
A	1500 WATT 600 VOLT SINGLE PHASE FAN FORCED HEATER C/W RECESSED MOUNTING BOX, INTEGRAL TAMPERPROOF THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OAC01506
B	1500 WATT 600 VOLT SINGLE PHASE BASEBOARD HEATER C/W INTEGRAL THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OFM1506-THA
C	750 WATT 600 VOLT SINGLE PHASE BASEBOARD HEATER C/W INTEGRAL THERMOSTAT AND STANDARD FACTORY FINISH TO SUIT ARCHITECT. OUELLET CAT. #OFM0756

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

NO.	REVISIONS	DATE	BY
-----	-----------	------	----



55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-2055
Website: deiconsulting.ca
Project Number: 24030

PROJECT:

MILL COURTLAND
COMMUNITY CENTRE
ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

SCHEDULES



BARRY BRYAN
ASSOCIATES
Architects
Engineers
Project Managers
250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbai@bba-archeng.com

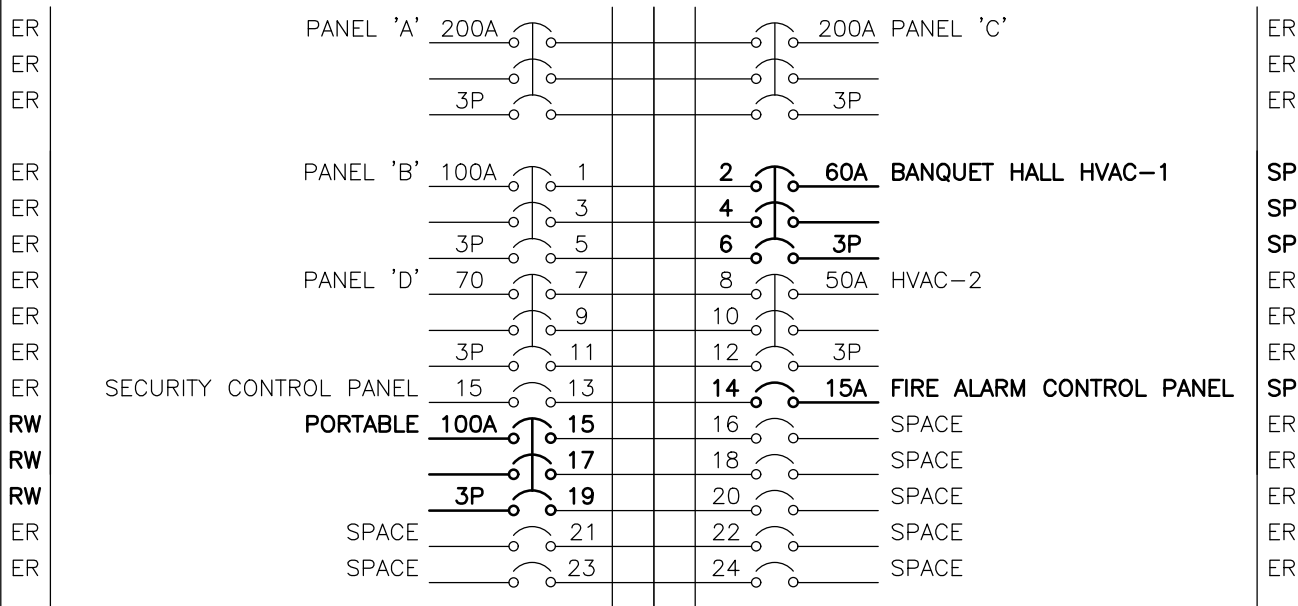


DESIGN BY:
CM
DRAWN BY:
DV
CHECKED BY:
JL
DATE:
MAY 2024
SCALE:
AS NOTED
FILE:

PROJECT NO:
24015

DRAWING NO:
E601

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 400A
NEUTRAL BUS:
MOUNTING: SURFACE
NOTES: EXISTING SIEMENS TYPE CPD-7

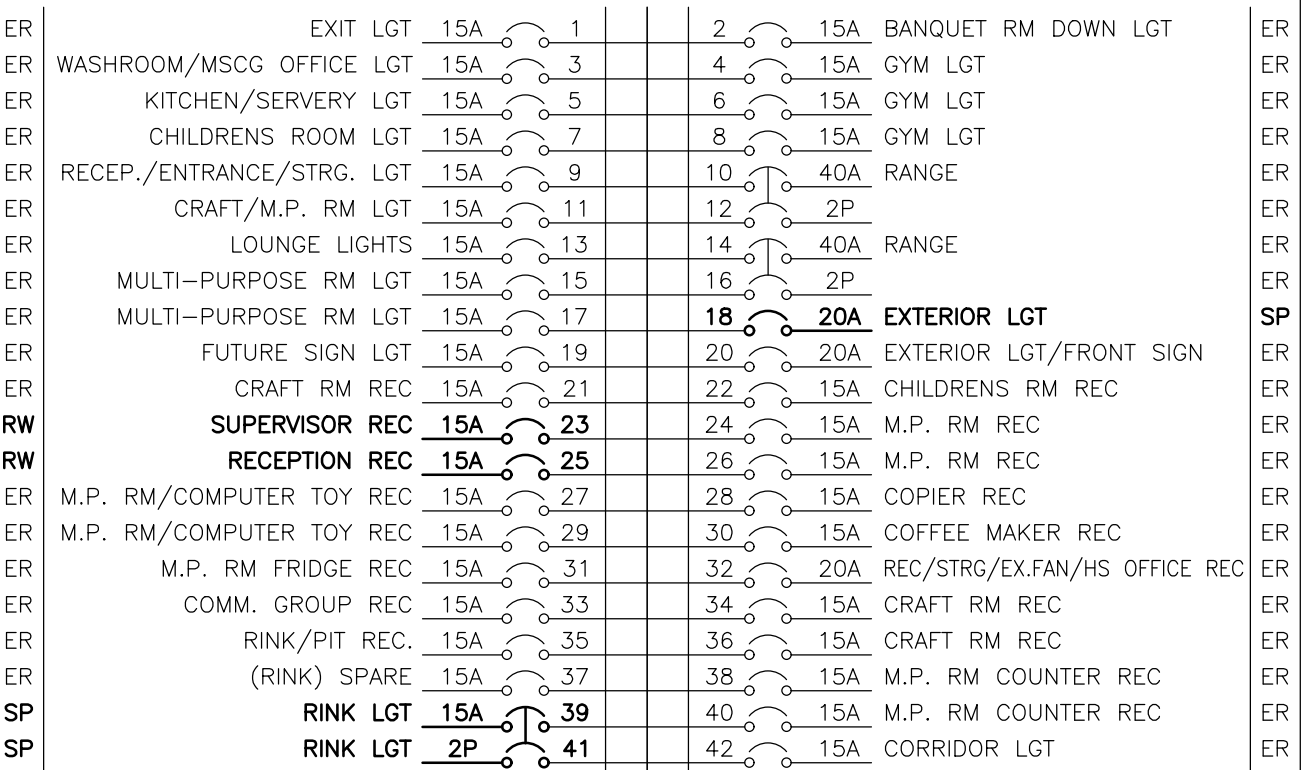


ER	PANEL 'A'	200A				200A	PANEL 'C'	ER
ER								ER
ER		3P				3P		ER
ER								ER
ER	PANEL 'B'	100A	1	2	60A	SPARE		SP
ER			3	4				SP
ER		3P	5	6	3P			SP
ER	PANEL 'D'	70	7	8	50A	HVAC-2		ER
ER			9	10				ER
ER		3P	11	12	3P			ER
ER	SECURITY CONTROL PANEL	15	13	14	15A	SPARE		SP
RW	PANEL 'F'	100A	15	16		SPACE		ER
RW			17	18		SPACE		ER
RW		3P	19	20		SPACE		ER
ER		SPACE	21	22		SPACE		ER
ER		SPACE	23	24		SPACE		ER

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED
'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN

NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 225A
NEUTRAL BUS:
MOUNTING: SURFACE
NOTES: EXISTING SIEMENS NLAB442C

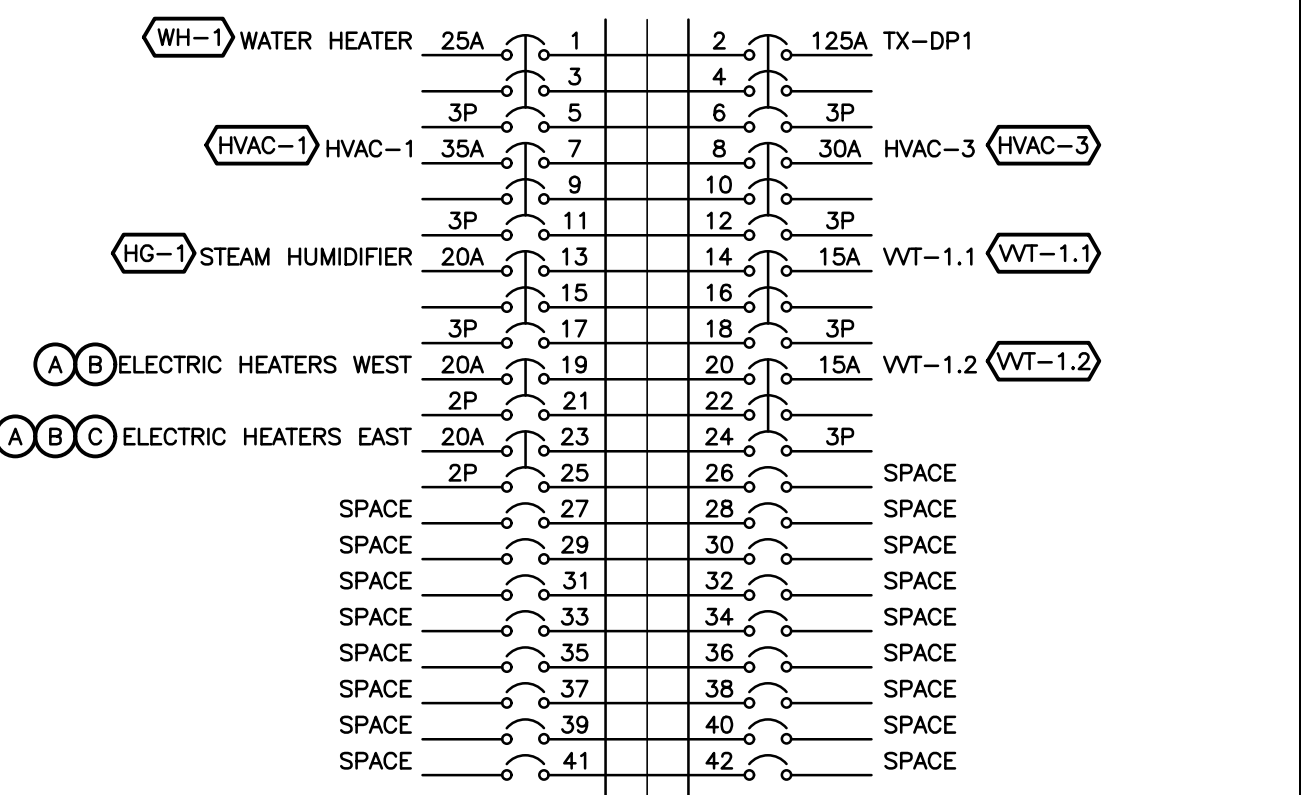


		THE MAINTENANCE MANUALS										
ER		EXIT	LGT	15A	1		2	15A	BAQUETTE RM	DOWN	LGT	ER
ER	WASHROOM/MSCG OFFICE	LGT	15A	3		4	15A	GYM LGT				ER
ER	KITCHEN/SERVRY	LGT	15A	5		6	15A	GYM LGT				ER
ER	CHILDRENS ROOM	LGT	15A	7		8	15A	GYM LGT				ER
ER	RECEP./ENTRANCE/STRG.	LGT	15A	9		10	40A	RANGE				ER
ER	CRAFT/M.P. RM	LGT	15A	11		12	2P					ER
ER	LOUNGE LIGHTS	15A	13		14	40A	RANGE					ER
ER	MULTI-PURPOSE RM	LGT	15A	15		16	2P					ER
ER	MULTI-PURPOSE RM	LGT	15A	17		18	20A	EXTERIOR LGT				SP
ER	FUTURE SIGN	LGT	15A	19		20	20A	EXTERIOR LGT/FRONT SIGN				ER
ER	CRAFT RM	REC	15A	21		22	15A	CHILDRENS RM REC				ER
RW	SUPERVISOR	REC	15A	23		24	15A	M.P. RM REC				ER
RW	RECEPTION	REC	15A	25		26	15A	M.P. RM REC				ER
ER	M.P. RM/COMPUTER TOY	REC	15A	27		28	15A	COPIER REC				ER
ER	M.P. RM/COMPUTER TOY	REC	15A	29		30	15A	COFFEE MAKER REC				ER
ER	M.P. RM FRIDGE	REC	15A	31		32	20A	REC/STRG/EX.FAN/HS OFFICE REC				ER
ER	COMM. GROUP	REC	15A	33		34	15A					ER
ER	RINK/PIT REC	15A	35		36	15A	CRAFT RM REC					ER
ER	(RINK) SPARE	15A	37		38	15A	M.P. RM FREEZER REC					ER
SP	RINK LGT	15A	39		40	15A	M.P. RM COUNTER REC					ER
SP	RINK LGT	2P	41		42	15A	CORRIDOR LGT					ER

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED
'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)

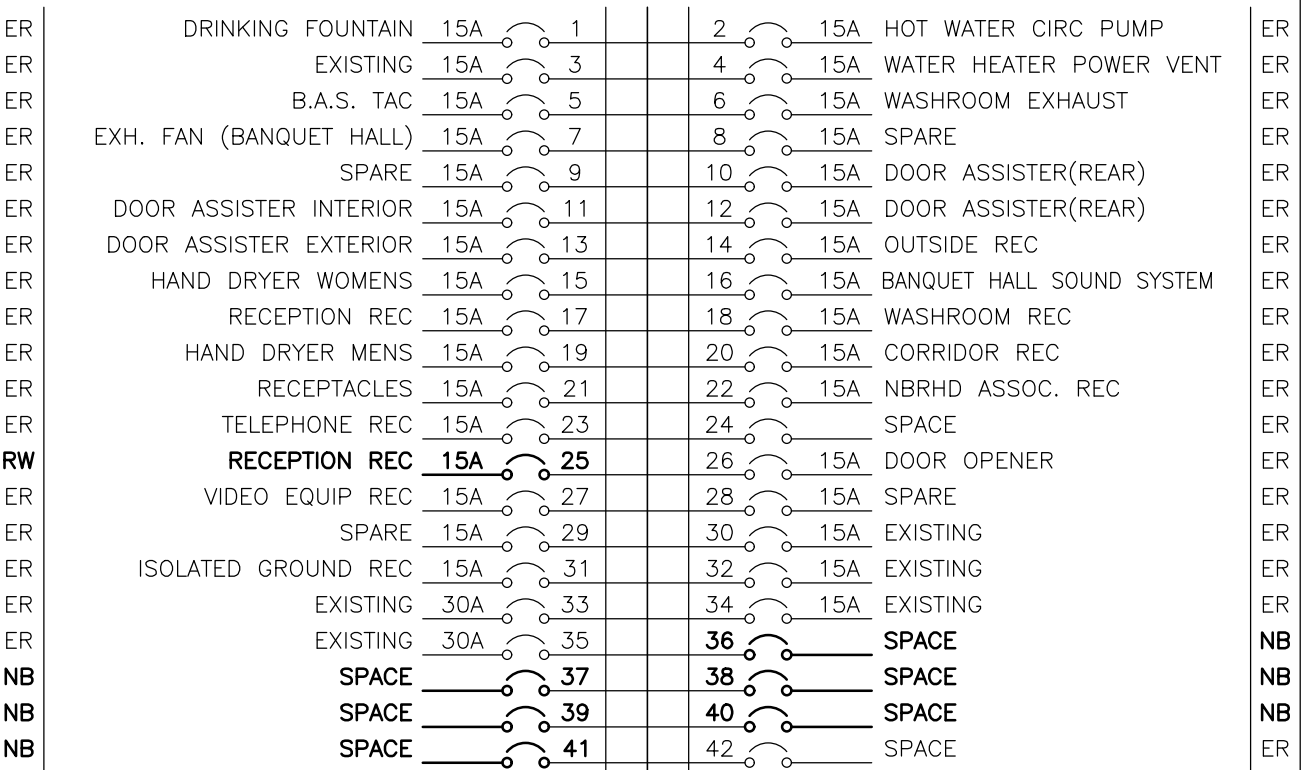
NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

VOLTAGE: 347/600 VOLTS PHASE: 3P, 4W MAINS: 400A NEUTRAL BUS: FULL MOUNTING: SURFACE NOTES: C/W SPRINKLER HOOD	AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.
---	--



NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 18000A .
PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH
THE UPSTREAM BREAKER.

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 225A
NEUTRAL BUS:
MOUNTING: SURFACE
NOTES: EXISTING SIEMENS NLAB442C

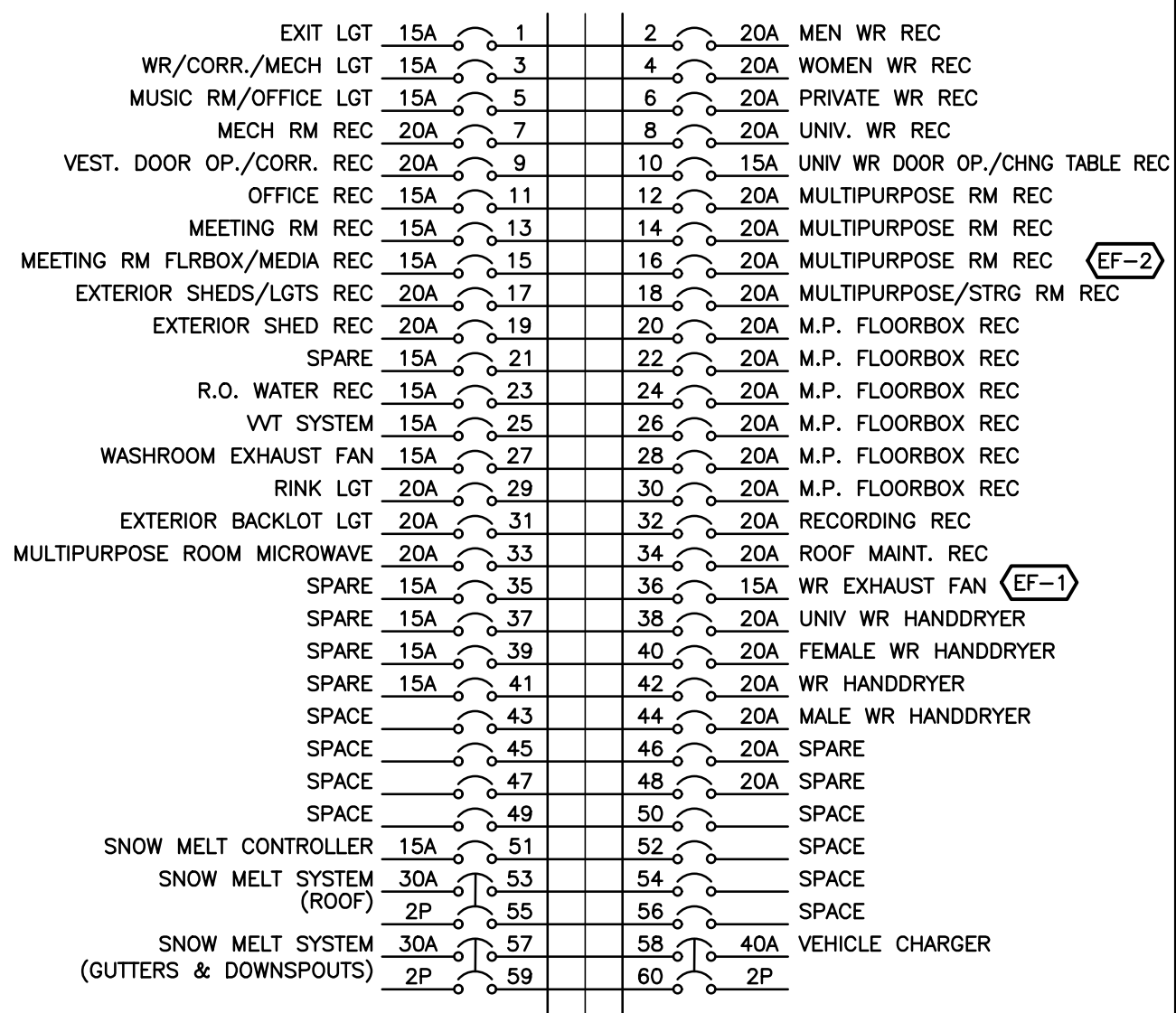


		THE MAINTENANCE MANUALS					
ER	DRINKING FOUNTAIN	15A	1	2	15A	HOT WATER CIRC PUMP	ER
ER	EXISTING	15A	3	4	15A	WATER HEATER POWER VENT	ER
ER	B.A.S. TAC	15A	5	6	15A	WASHROOM EXHAUST	ER
ER	EXH. FAN (BANQUET HALL)	15A	7	8	15A	SPARE	ER
ER	SPARE	15A	9	10	15A	DOOR ASSISTER(REAR)	ER
ER	DOOR ASSISTER INTERIOR	15A	11	12	15A	DOOR ASSISTER(REAR)	ER
ER	DOOR ASSISTER EXTERIOR	15A	13	14	15A	OUTSIDE REC	ER
ER	HAND DRYER WOMENS	15A	15	16	15A	BANQUET HALL SOUND SYSTEM	ER
ER	RECEPTION REC	15A	17	18	15A	WASHROOM REC	ER
ER	HAND DRYER MENS	15A	19	20	15A	CORRIDOR REC	ER
ER	RECEPTACLES	15A	21	22	15A	NBRHD ASSOC. REC	ER
ER	TELEPHONE REC	15A	23	24		SPACE	ER
RW	RECEPTION SECURITY REC	15A	25	26	15A	DOOR OPENER	ER
ER	VIDEO EQUIP REC	15A	27	28	15A	SPARE	ER
ER	SPARE	15A	29	30	15A	EXISTING	ER
ER	ISOLATED GROUND REC	15A	31	32	15A	EXISTING	ER
ER	EXISTING	30A	33	34	15A	EXISTING	ER
ER	EXISTING	30A	35	36	20A	DATA RACK REC	NB
NB	JANITOR/PANTRY REC	20A	37	38	20A	LOUNGE FLOORBOX REC	NB
NB	FIRE ALARM CONTROL PANEL	15A	39	40	20A	LOUNGE PRINTER	NB
NB	FIRE SMOKE DAMPERS	15A	41	42	20A	LOUNGE REC	NB

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED
'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS REQUIRED.

NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

VOLTAGE: 120/208 VOLTS PHASE: 3P, 4W MAINS: 225A NEUTRAL BUS: FULL MOUNTING: SURFACE NOTES: C/W SPRINKLER HOOD	AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.
---	--



NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000 A. PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings show general arrangement of services. Allowance for building construction will be made. It will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the site conditions.

Drawings and specifications are prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.

Do not see this drawing

© 2025 DEI Consulting Engineers Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR DESIGN BRIEF	MAY 30 2024	CM
2	ISSUED FOR REVIEW	OCT 02 2024	CM
3	ISSUED FOR 66% REVIEW	OCT 22 2024	CM
4	ISSUED FOR 90% REVIEW	DEC 13 2024	CM
5	ISSUED FOR PERMIT	DEC 16 2024	CM
6	ISSUED FOR TENDER	FEB 27 2025	CM

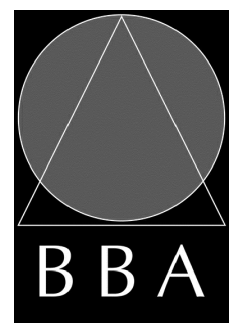
NO.	REVISIONS	DATE	BY
-----	-----------	------	----



MILL COURTLAND COMMUNITY CENTRE ADDITION

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

PANEL SCHEDULES



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bba@bba-archeng.com

PROJECT NO.

DRAWING NO.

E602