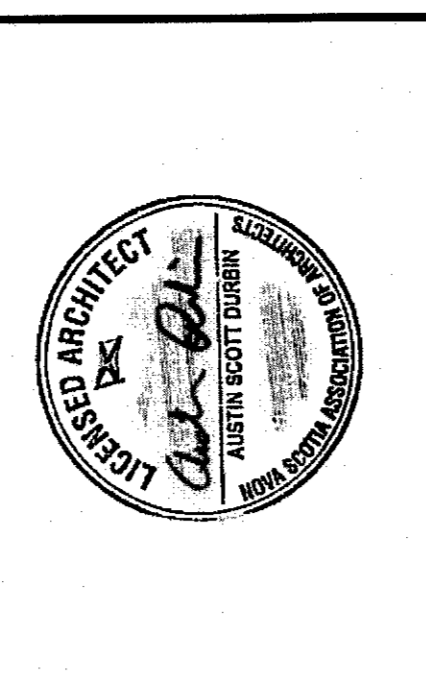


exp.
 ARCHITECT
 exp Architects Inc.
 1775 Highway 103, Suite 202
 Halifax, NS B3L 2C2
 CANADA
 www.exp.com

CONSULTANTS
 BUILDINGS - BARTH & ENVIRONMENT - ENERGY - INDUSTRIAL - INFRASTRUCTURE - SUSTAINABILITY
 ingénieur conseil



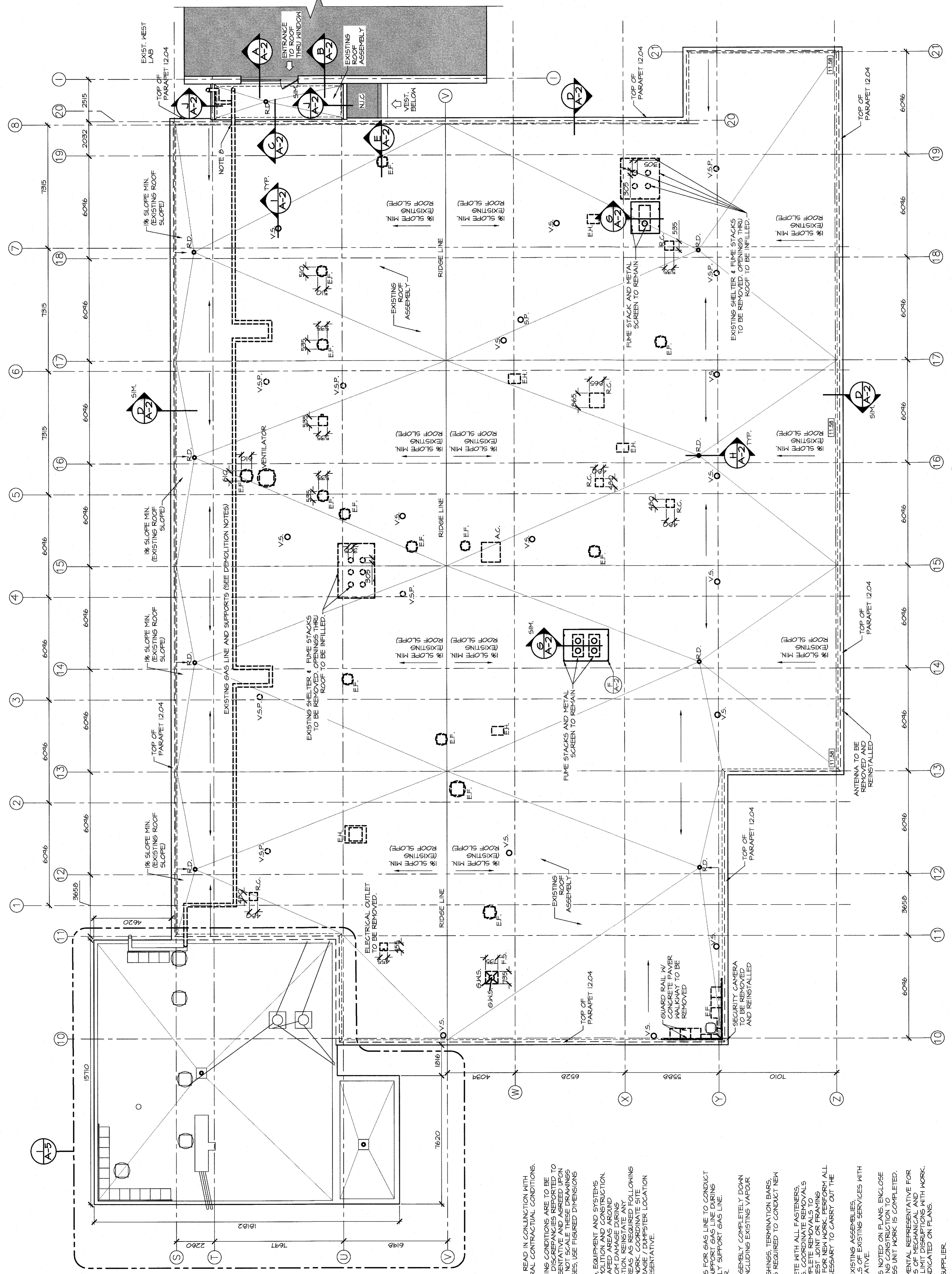
ABBREVIATIONS:
 A.C. - AIR CONDITIONER
 E.F. - EXHAUST FAN
 E.H.U. - EXHAUST HOOD UNIT
 F.S. - FINE STACKS
 G.A.S. - GAS SUPPORT
 N.I.C. - NOT IN CONTRACT
 P.P. - PITCH POCKET
 R.D. - ROOF DRAIN
 S.M. - SIMILAR
 S.P. - STAND PIPE
 U.N.C. - UNLESS NOTED OTHERWISE
 V.S.P. - VENT SLEEVE AND PIPE

revisions	date	project
0	ISSUED FOR TENDER	05/03/2016

**BIO FISH LAB
 ROOF REPLACEMENT
 DARTMOUTH, NS**

designed	checked	approved	drawn
ASD	ASD	DEC	ASD
date	date	date	date
2016 05 03	2016 05 03	2016 05 03	2016 05 03
drawn	checked	approved	drawn
DRR	DRR	DRR	DRR
date	date	date	date
2016 05 03	2016 05 03	2016 05 03	2016 05 03
project number	no. du projet	no. du projet	no. du projet
R.080317.001	R.080317.001	R.080317.001	R.080317.001
drawing no.	no. du dessin	no. du dessin	no. du dessin
A-1	A-1	A-1	A-1

- LEGEND**
- ALL EXISTING ROOF MOUNTED MECHANICAL AND A/C UNITS, VENT SLEEVES, ELECTRICAL OPENINGS, ETC. TO REMAIN UNTO. PROVIDE PROPER FLASHING AND VERIFY ALL ROOF TOP EQUIPMENT ON-SITE, TYPICAL.
 - ROOF DRAINS (TO BE RETROFITTED WITH NEW DRAINS)
 - VENT SLEEVE (TO BE REMOVED) (PIPE TO REMAIN UNTO. CO-ORD WITH NEW ROOF PLAN FOR LOCATIONS OF REINSTALL.)
 - VENT SLEEVE AND VENT PIPE TO BE REMOVED. CO-ORD WITH NEW ROOF PLAN FOR LOCATIONS
 - METAL STAND PIPE
 - EXHAUST FAN AND CURB (TO BE REMOVED AND REINSTALLED)
 - ROOF CURB (TO BE REMOVED) CO-ORD WITH NEW ROOF PLAN
 - TOP OF EXISTING METAL DECK



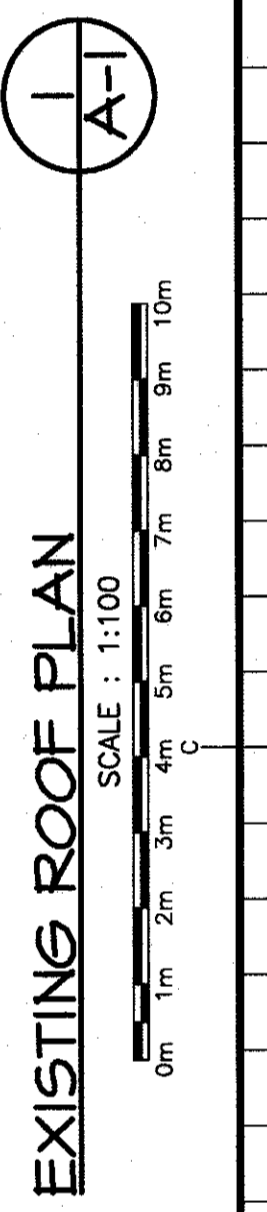
- EXISTING ROOF ASSEMBLY:**
- CRUSHED ROCK
 - 60D INSULATION
 - 50mm GYP BOARD
 - 12.7mm GYP BOARD
 - 30mm METAL DECK
 - OPEN-WEB STEEL JOISTS

GENERAL NOTES:

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS AND GENERAL CONTRACTUAL CONDITIONS.
- ALL DIMENSIONS AND EXISTING CONDITIONS ARE TO BE VERIFIED ON-SITE, AND ALL DISCREPANCIES REPORTED TO THE DEPARTMENTAL REPRESENTATIVE AND AGREED UPON PRIOR TO PROCEEDING. DO NOT SCALE THESE DRAWINGS FOR CONSTRUCTION PURPOSES. USE FIGURED DIMENSIONS AS NOTED.
- PROTECT EXISTING FINISHES, EQUIPMENT AND SYSTEMS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. PROTECT EXISTING LANDSCAPED AREAS AROUND THE BUILDING. DEMOLITION AND CONSTRUCTION SHALL NOT BE PERMITTED IN DAMAGED LANDSCAPED AREAS AS REQUIRED FOLLOWING INSTALLATION OF THE NEW WORK. COORDINATE SITE ACCESS AND CONTAINER STORAGE WITH DEPARTMENTAL REPRESENTATIVE.

DEMOLITION NOTES:

- REMOVE EXISTING SUPPORTS FOR GAS LINE TO CONDUCT NEW WORK. TEMPORARILY SUPPORT GAS LINE DURING WORK AS REQUIRED TO FULLY SUPPORT GAS LINE. CO-ORD WITH GAS SUPPLIER.
- REMOVE EXISTING ROOF ASSEMBLY COMPLETELY DOWN TO EXISTING METAL DECK INCLUDING EXISTING VAPOUR BARRIER.
- REMOVE ALL EXISTING FLASHINGS, TERMINATION BARS, SEALANTS AND MASTICS AS REQUIRED TO CONDUCT NEW WORK.
- REMOVE ALL ITEMS COMPLETE WITH ALL FASTENERS, BRACES AND ACCESSORIES. COORDINATE REMOVALS WITH ITEMS TO REMAIN. COMPLETE REMOVALS TO ADJACENT SURFACES. NEAREST JOINT OR FRAMING BACKUP AND MAKE READY FOR NEW WORK. PERFORM ALL WORK OF ALL TRADES.
- PRIOR TO DEMOLITION OF EXISTING ASSEMBLIES, IDENTIFY AND REMOVE ALL EXISTING SERVICES WITH DEPARTMENTAL REPRESENTATIVE.
- REMOVE EXISTING CURBS AS NOTED ON PLANS. ENCLOSE OPENINGS AS REQUIRED DURING CONSTRUCTION TO PROVIDE WEATHER TIGHTNESS UNTIL WORK IS COMPLETED.
- COORDINATE WITH DEPARTMENTAL REPRESENTATIVE FOR ANY TEMPORARY REMOVALS OF MECHANICAL AND ELECTRICAL EQUIPMENT TO BE MAINTAINED WITH WORK. REINSTALL EQUIPMENT AS INDICATED ON PLANS.
- PIPE ALTERATION BY GAS SUPPLIER.



Public Works and Government Services Canada
Travaux Publics et Services gouvernementaux Canada

KEY PLAN

exp Architects Inc.
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7971 Bayview Road, Suite 2002
Markham, ON L3R 9V7
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CLIENT: MANULIFE SERVICE CORRIDOR
VESC - VULCAN EAST SERVICE CORRIDOR

exp

Consultants

LEAP ARCHITECT INC.
1000 SHEPPARD AVENUE EAST
SUITE 1000
SCARBOROUGH, ONTARIO M1S 1T5
416-291-1111

INGÉNIEURS CONSULTANTS

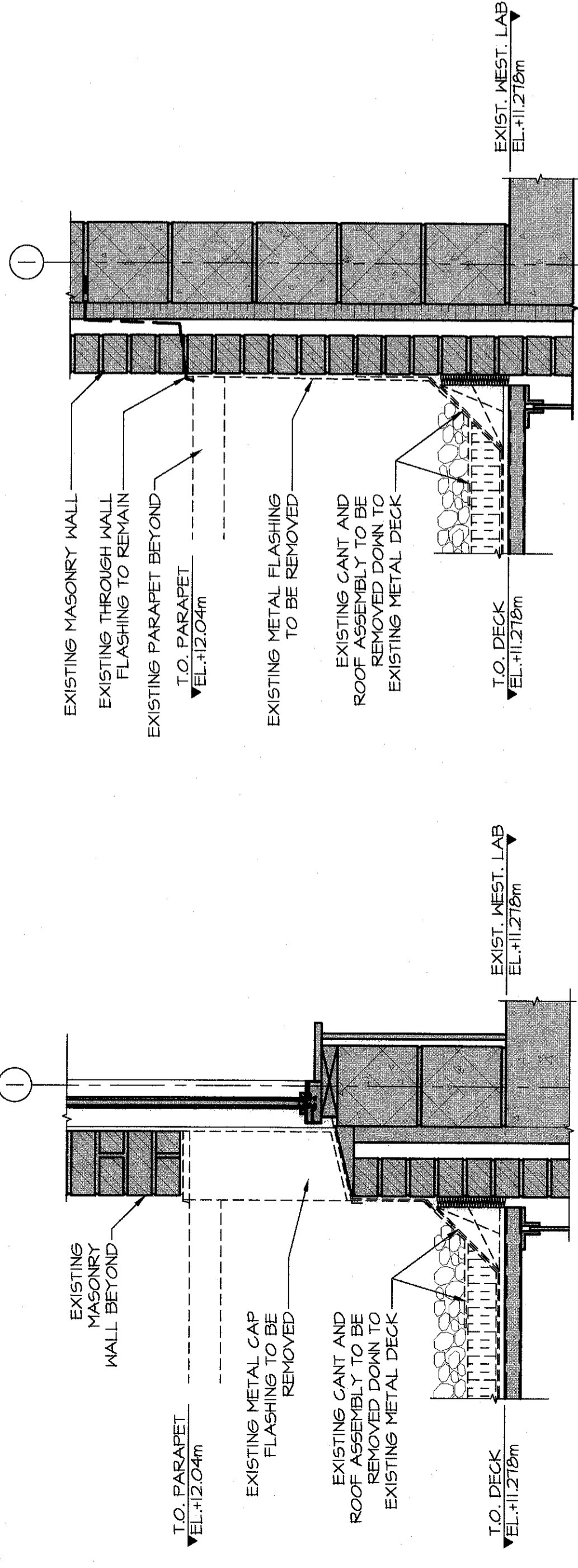
BUILDINGS - EARTH & ENVIRONMENT - ENERGY - INDUSTRIAL - INFRASTRUCTURE - SUSTAINABILITY

LEGEND:
 [---] EXISTING TO BE REMOVED
 [---] EXISTING TO REMAIN

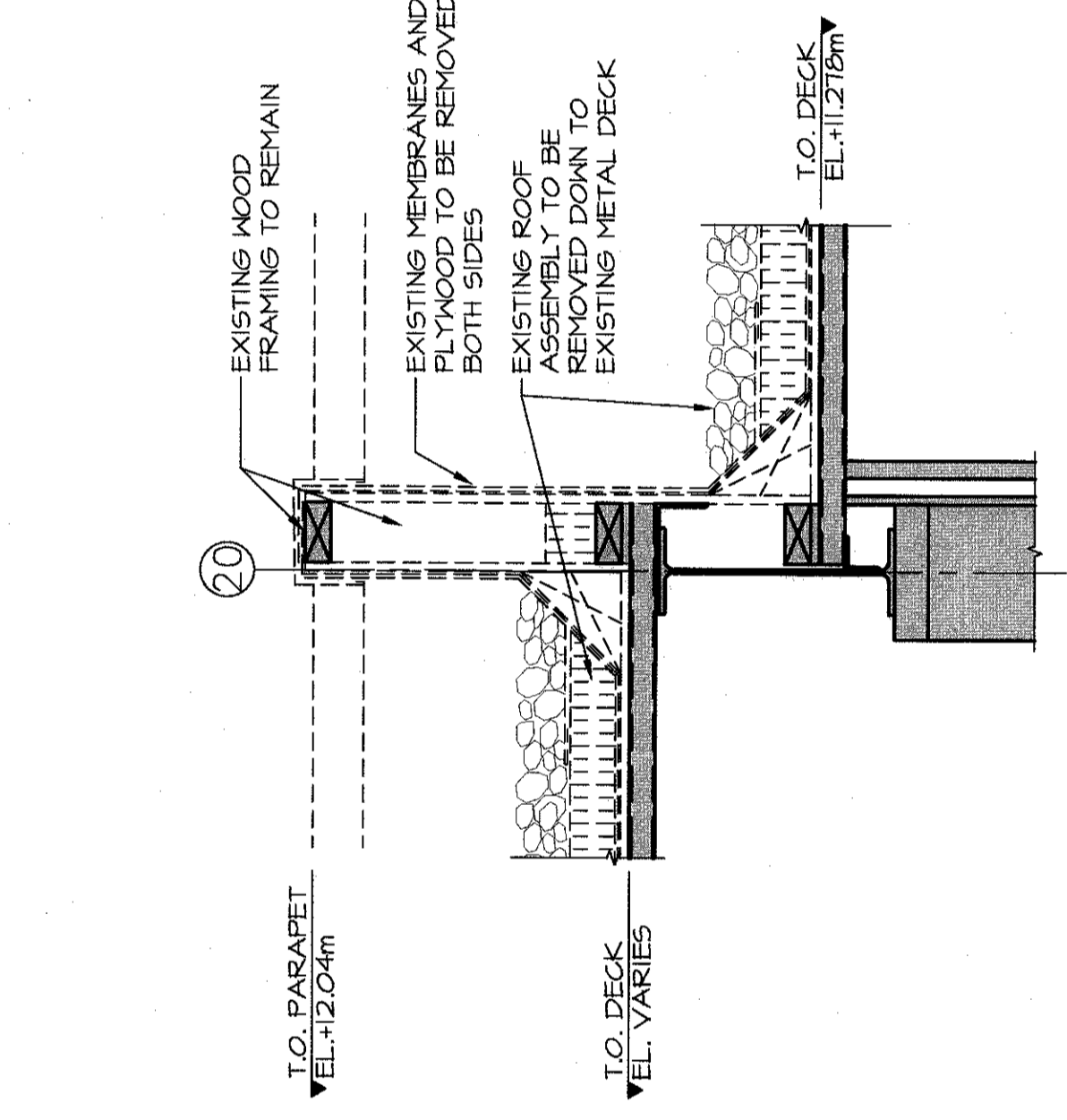
0	ISSUED FOR TENDER	06/03/2016
revisions	date	project

BIO FISH LAB
ROOF REPLACEMENT
DARTMOUTH, NS

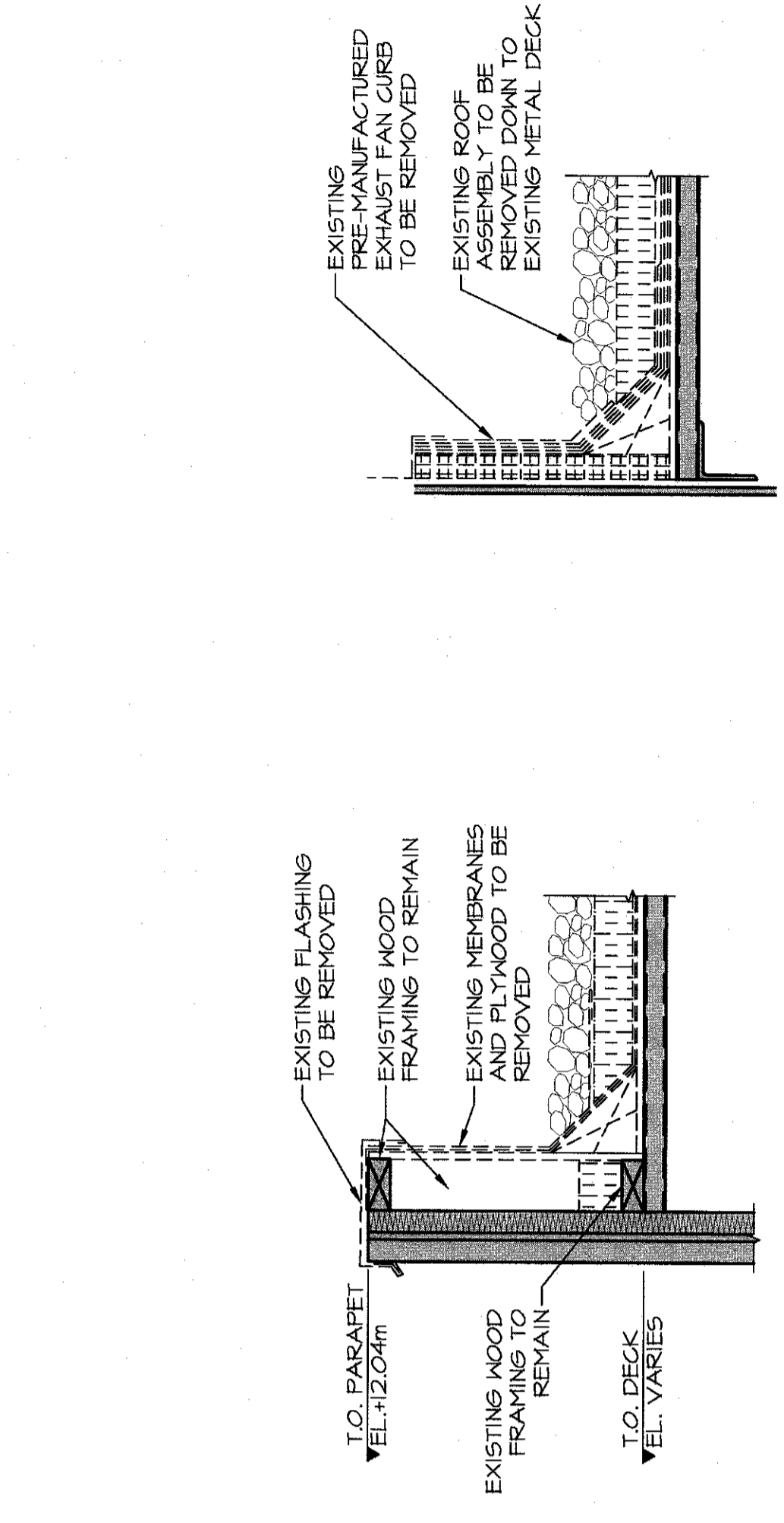
designed	ASD	conçu
date	2016 05 03	
drawn	DRR	dessiné
date	2016 05 03	
approved	DEC	approuvé
date	2016 05 03	
drawn by	DRR	
checked by	ASD	
approved by	ASD	
date	2016 05 03	
project number	R.080317.001	no. du projet
drawing no.	A-2	no. du dessin



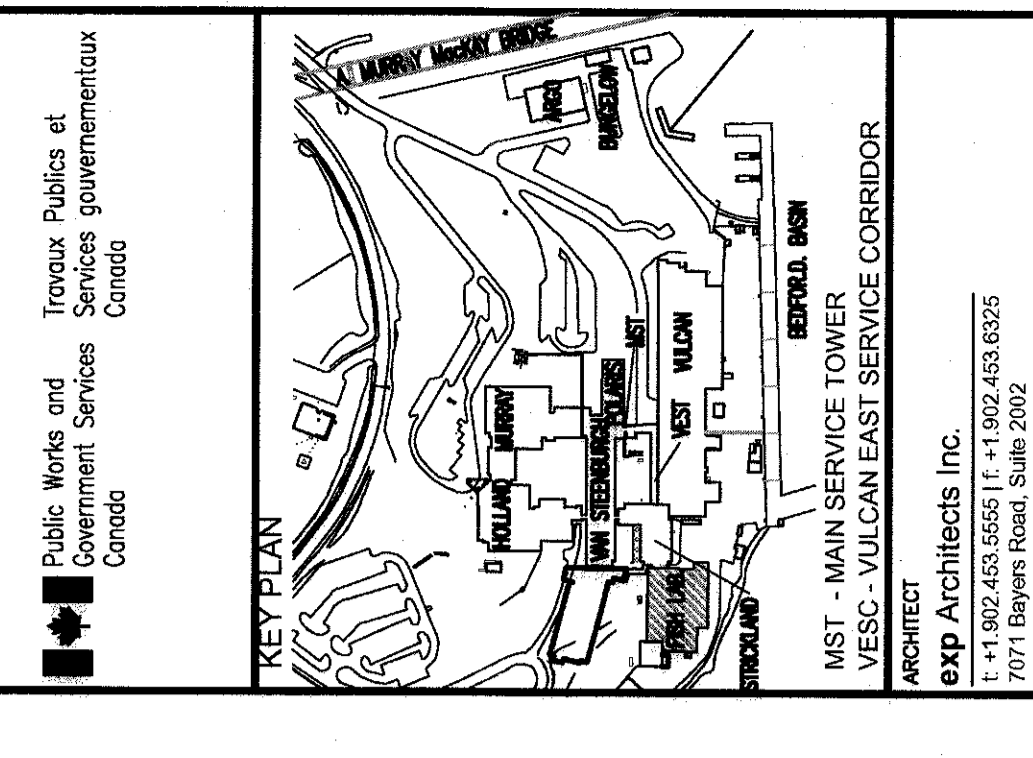
WALL / ROOF DETAIL @ WINDOW A-A-2
SCALE : 1:10



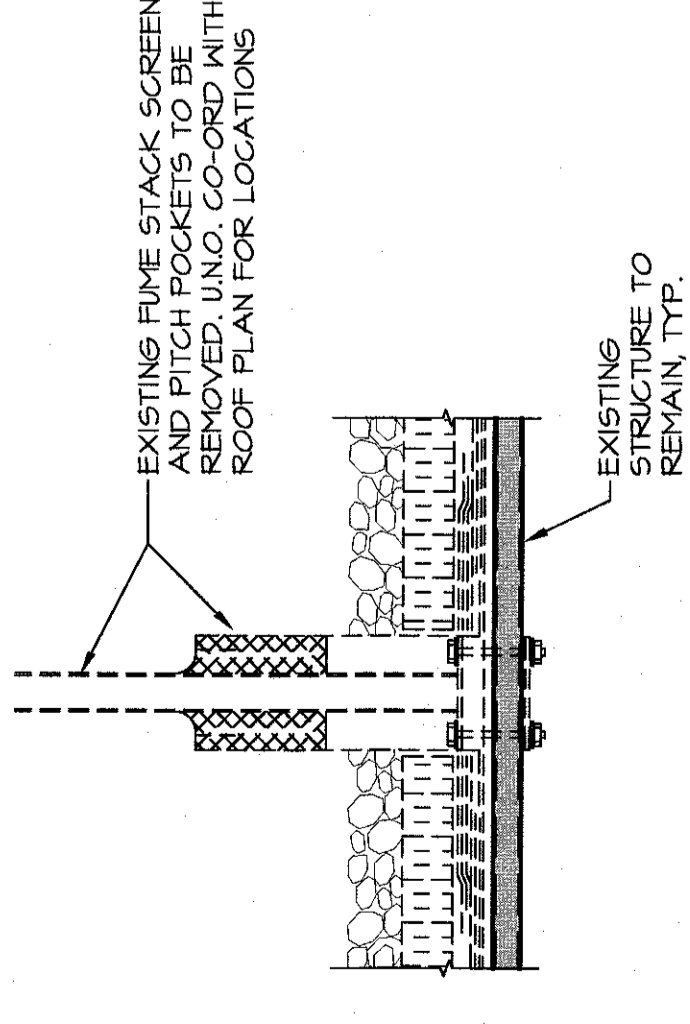
WALL / ROOF DETAIL B-B-A-2
SCALE : 1:10



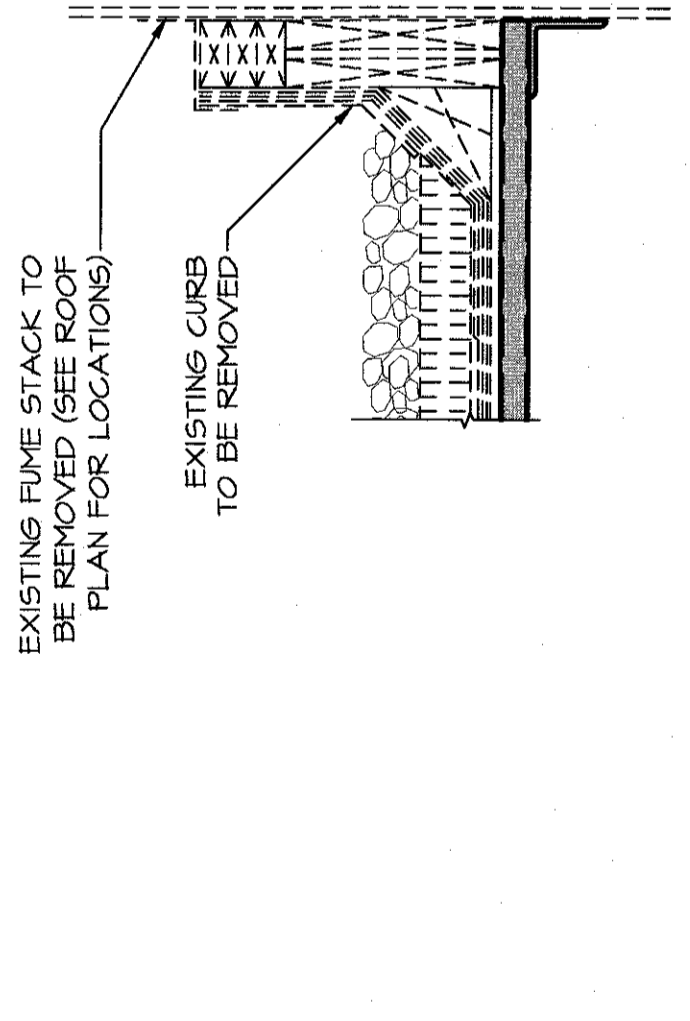
PARAPET DETAIL C-C-A-2
SCALE : 1:10



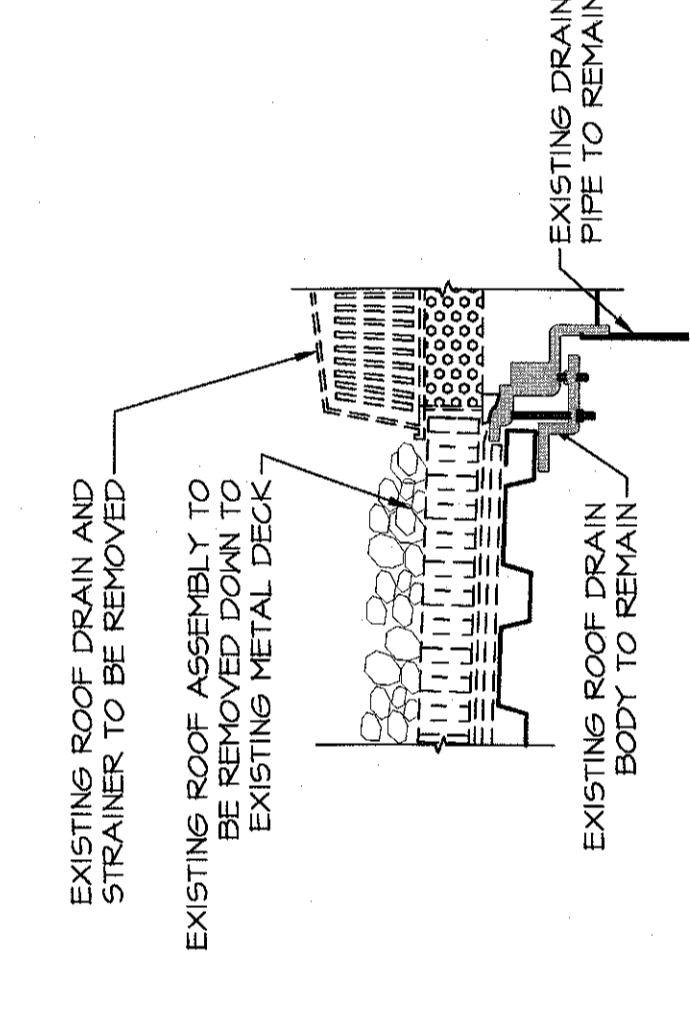
PARAPET DETAIL D-D-A-2
SCALE : 1:10



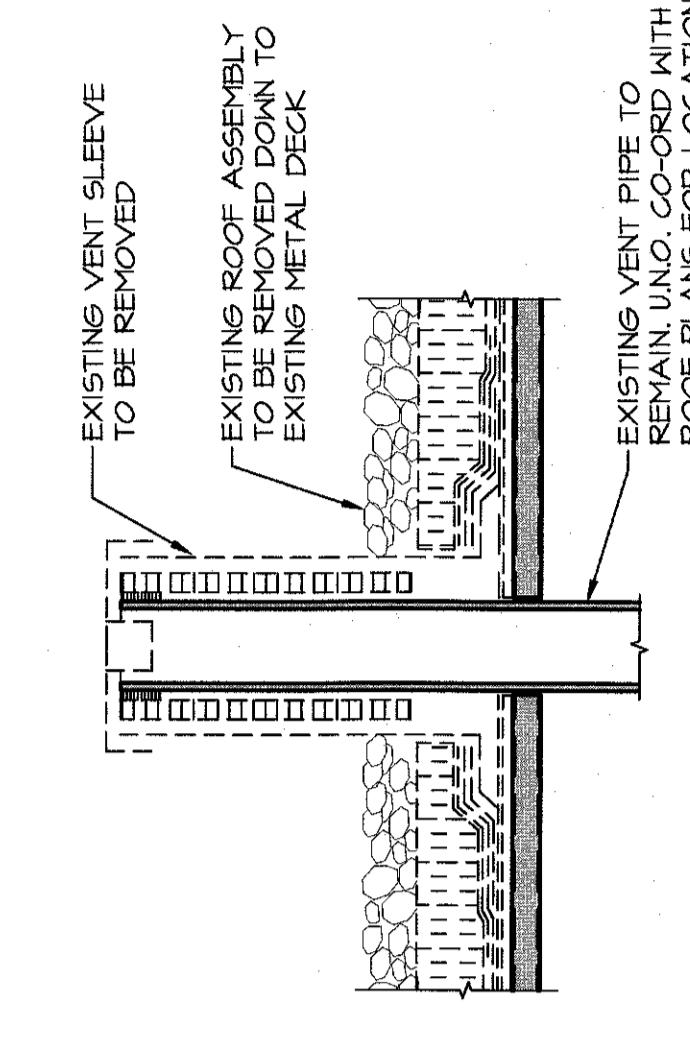
PITCH POCKET DETAIL F-F-A-2
SCALE : 1:10



FUME STACK CURB DETAIL G-G-A-2
SCALE : 1:10



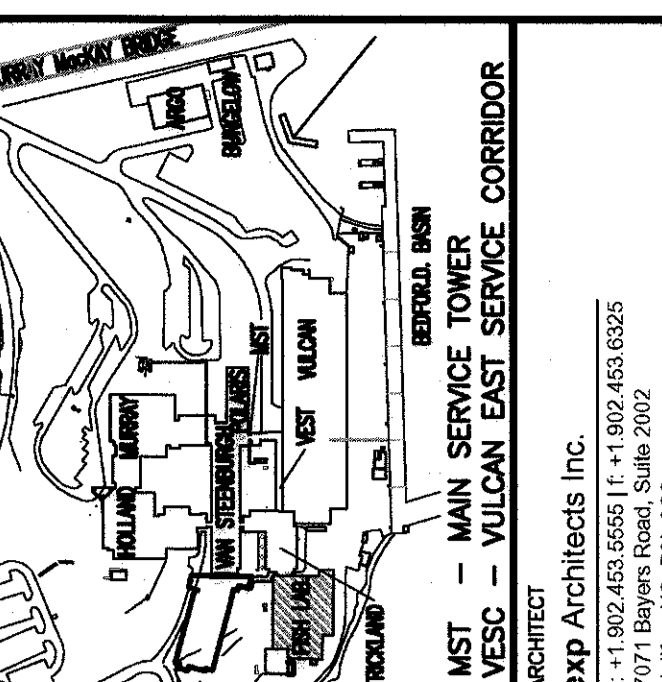
ROOF DRAIN DETAIL H-H-A-2
SCALE : 1:10



VENT STACK DETAIL I-I-A-2
SCALE : 1:10



EXHAUST FAN CURB DETAIL E-E-A-2
SCALE : 1:10



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 • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

ABBREVIATIONS:
 A.C. - AIR CONDITIONER
 E.F. - EXHAUST FAN
 E.H. - EXHAUST HOOD
 G.K.S. - GUY WIRE SUPPORT
 N.C. - NOT IN CONTRACT
 R.D. - ROOF DRAIN
 S.P. - STAINLESS PIPE
 TYP. - TYPICAL
 U.N.O. - UNLESS NOTED OTHERWISE
 V.S. - VENT SLEEVE

revision	description	date
0	ISSUED FOR TENDER	2016 05 03

**BIO FISH LAB
 ROOF REPLACEMENT
 DARTMOUTH, NS**

NEW ROOF PLAN

designed ASD
 date 2016 05 03
 drawn DRB
 date 2016 05 03
 approved DEG
 date 2016 05 03
 Tender:
 Project Manager:
 project number R.080317.001
 no. du projet R.080317.001
 no. du dessin A-3
 E-DM/603-E-540-926

LEGEND

ALL EXISTING ROOF MOUNTED MECHANICAL UNITS, VENT SLEEVES, ELECTRICAL OPENINGS, ETC. TO BE REINSTALLED, UNO. PROVIDE PROPER FLASHING AND VERIFY ALL TYPES OF EQUIPMENT ON-SITE, TYPICAL.

RETROFIT DRAINS ARE TO BE INSTALLED AT EXISTING DRAIN LOCATIONS. PROVIDE NEW 600x600 DRAIN SIMP AROUND ALL ROOF DRAINS.

INSULATION THICKNESS

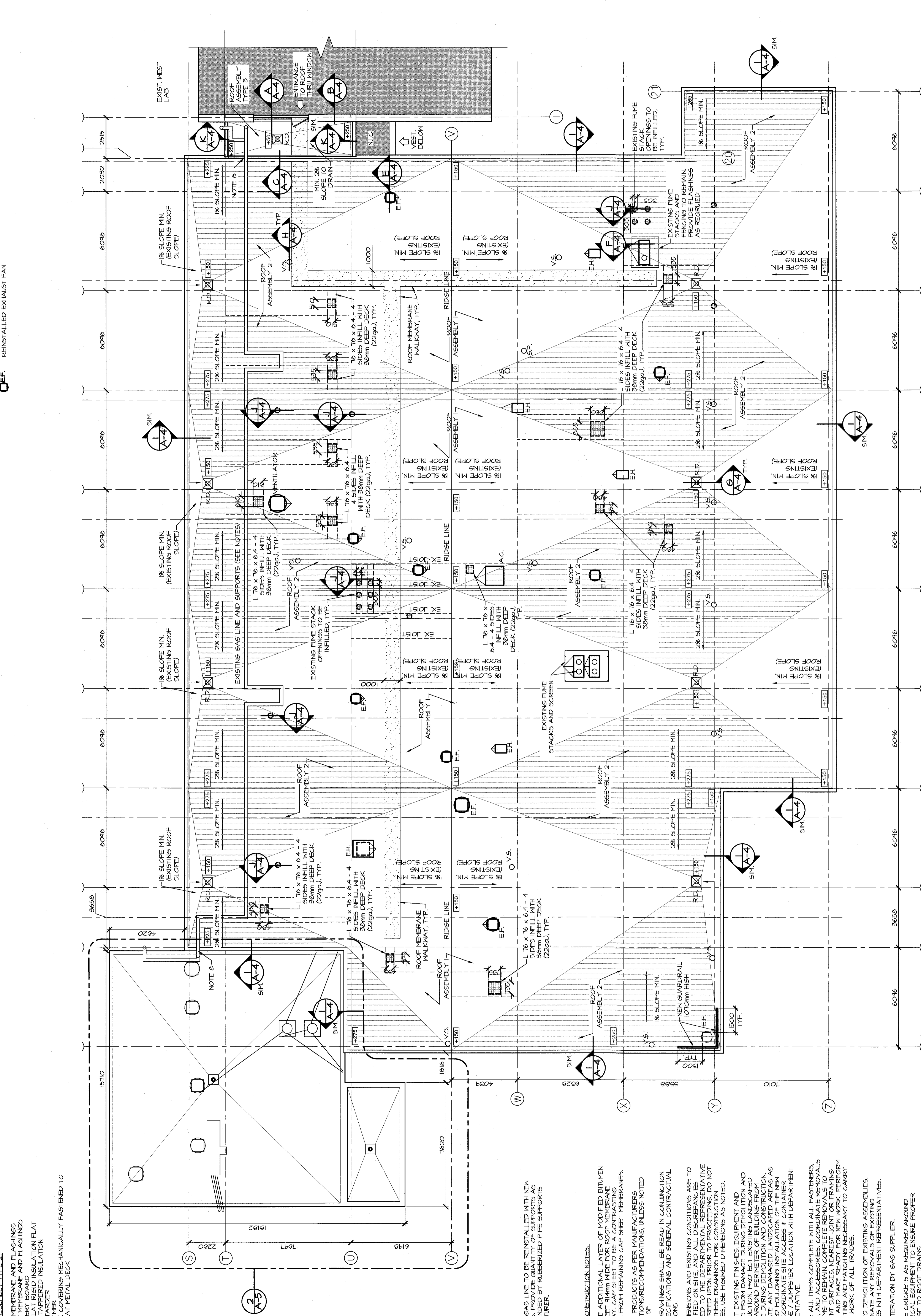
NEW METAL DECK INFILL

DEMOTES EXTENT OF TAPERED INSULATION MIN SLOPE 1/8"

NEW INSULATED VENT SLEEVE

REINSTALLED EXHAUST FAN

ROOF SLOPE DIRECTION



NEW ROOF ASSEMBLY TYPE 1:
 CAP SHEET MEMBRANE AND FLASHINGS
 BASE SHEET MEMBRANE AND FLASHINGS
 6mm RECOVERY BOARD
 2 LAYERS RIGID INSULATION (FLAT AND TAPERED)
 VAPOR RETARDER
 MOD BIT PRIMER
 15.9mm DECK COVERING MECHANICALLY FASTENED TO EXISTING SLOPED METAL DECK

NEW ROOF ASSEMBLY TYPE 2:
 CAP SHEET MEMBRANE AND FLASHINGS
 BASE SHEET MEMBRANE AND FLASHINGS
 6mm RECOVERY BOARD
 2 LAYERS FLAT RIGID INSULATION
 1 LAYER OF TAPERED INSULATION
 VAPOR RETARDER
 MOD BIT PRIMER
 15.9mm DECK COVERING MECHANICALLY FASTENED TO EXISTING FLAT METAL DECK

NEW ROOF ASSEMBLY TYPE 3:
 CAP SHEET MEMBRANE AND FLASHINGS
 BASE SHEET MEMBRANE AND FLASHINGS
 2 LAYERS RIGID INSULATION (FLAT AND TAPERED)
 VAPOR RETARDER
 MOD BIT PRIMER
 15.9mm DECK COVERING MECHANICALLY FASTENED TO EXISTING FLAT METAL DECK

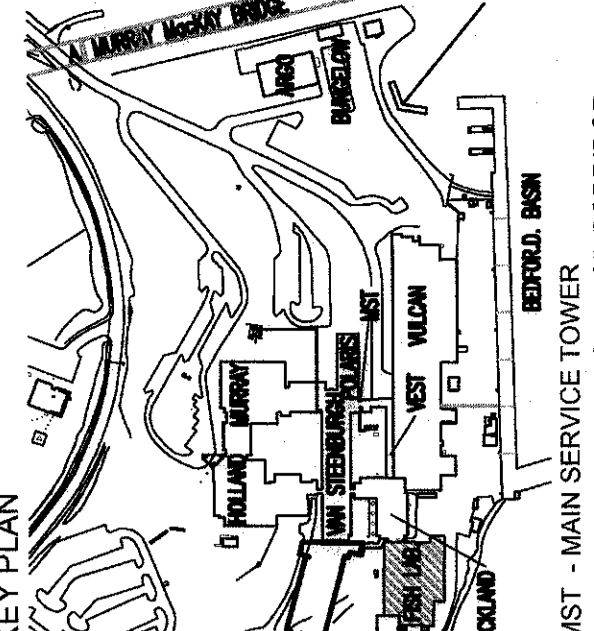
NOTES:

- NATURAL GAS LINE TO BE REINSTALLED WITH NEW SUPPORTS. REFER TO MECHANICAL DRAWINGS FOR RECOMMENDED BY RUBBERIZED PIPE SUPPORTS MANUFACTURER.

GENERAL CONSTRUCTION NOTES:

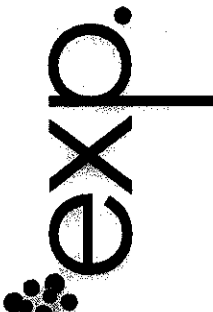
- PROVIDE ADDITIONAL LAYER OF MODIFIED BITUMEN CAP SHEET 1/4mm WIDE FOR ROOF MEMBRANE WALKWAY. CAP SHEET TO BE A CONTRASTING COLOUR FROM REMAINING CAP SHEET MEMBRANES. INSTALL PRODUCTS AS PER MANUFACTURERS INSTRUCTIONS/RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS AND GENERAL CONTRACTUAL CONDITIONS.
- ALL DIMENSIONS AND EXISTING CONDITIONS ARE TO BE VERIFIED ON SITE, AND ALL DISCREPANCIES REPORTED TO THE DEPARTMENTAL REPRESENTATIVE AND AGREED UPON PRIOR TO PROCEEDING. DO NOT PROCEED WITH CONSTRUCTION UNLESS THE DEPARTMENTAL REPRESENTATIVE HAS PROVIDED WRITTEN APPROVAL FOR ANY VARIATIONS. USE FIGURED DIMENSIONS AS NOTED.
- PROTECT EXISTING FINISHES, EQUIPMENT AND SYSTEMS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. TAKE CARE TO PROTECT ADJACENT AREAS AROUND PERIMETER OF BUILDING FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. REINSTATE ANY DAMAGED LANDSCAPED AREAS AS REQUIRED FOLLOWING INSTALLATION OF NEW ROOF. PROVIDE STORAGE / DUMPSTER LOCATION WITH DEPARTMENT REPRESENTATIVE.
- REMOVE ALL ITEMS COMPLETE WITH ALL FASTENERS, BRACES AND ACCESSORIES. COORDINATE REMOVALS WITH ITEMS TO REMAIN. COMPLETE REMOVALS TO ADJACENT SURFACES, NEAREST JOINT OR FRAMING BACKUP AND MAKE READY FOR NEW WORK. PERFORM ALL WORK NECESSARY TO CARRY OUT THE WORK OF ALL TRADES.
- PRIOR TO DEMOLITION OF EXISTING ASSEMBLIES, COORDINATE AND OBTAIN ALL EXISTING SERVICES WITH DEPARTMENT REPRESENTATIVES.
- PIPE ALTERATION BY GAS SUPPLIER.
- PROVIDE CRICKETS AS REQUIRED AROUND MECHANICAL EQUIPMENT TO ENSURE PROPER DRAINAGE TO ROOF DRAINS.
- PROVIDE SPLIT FLASHING AT ALL SUPPORTS FOR VENTURITE SCREENS.

NEW ROOF PLAN
 SCALE: 1:100
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



MST - MAIN SERVICE TOWER
VESC - VULCAIN EAST SERVICE CORRIDOR

ARCHITECT
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INDUSTRIAL • INFRASTRUCTURE • SUBSTATION

Consultants
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0	ISSUED FOR TENDER	05/03
	revisions	2016
	date	

project
BIO FISH LAB
ROOF REPLACEMENT
DARTMOUTH, NS

designer
ASD
2016 05 03

designer
DRR
2016 05 03

approved
DEG
2016 05 03

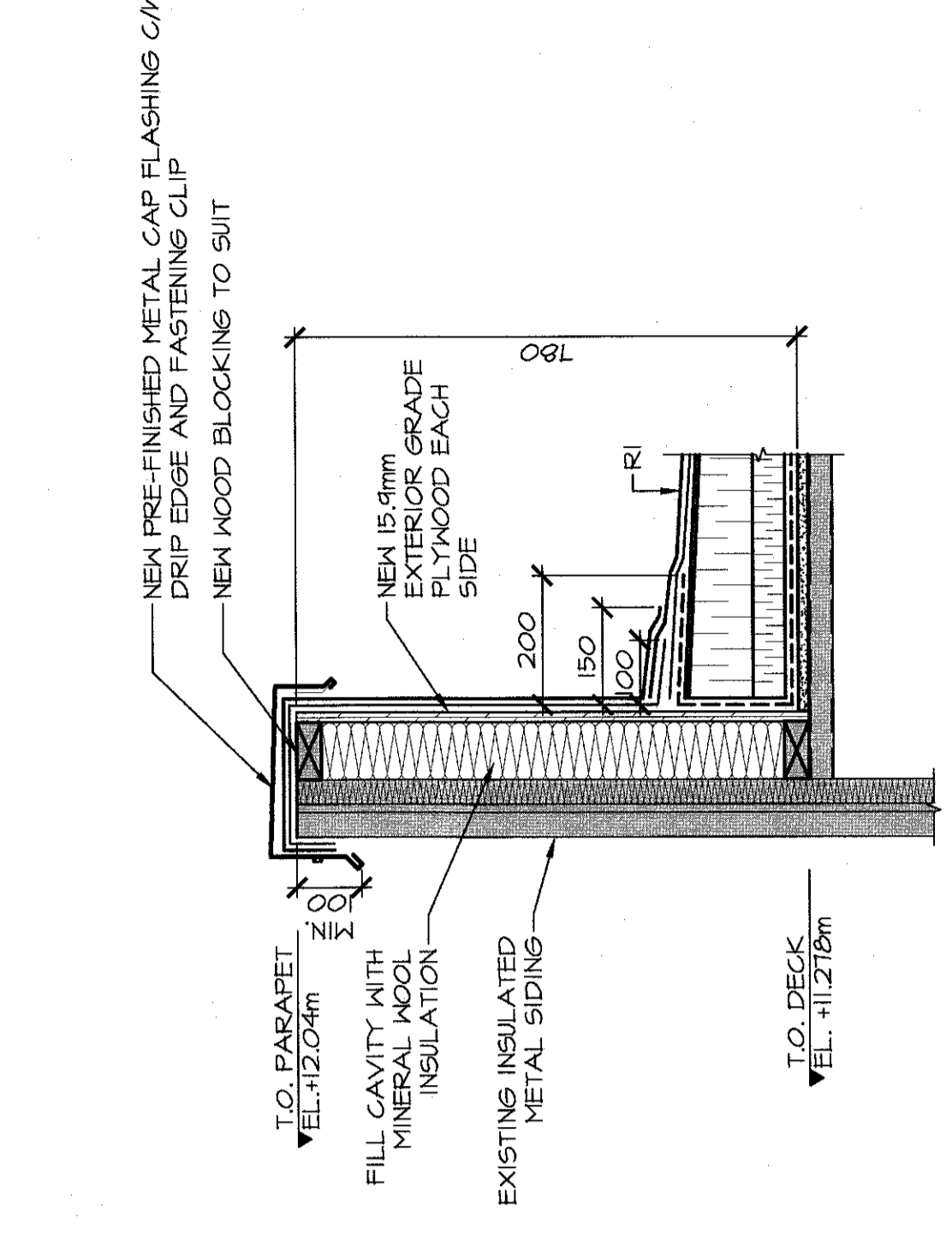
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DEG
2016 05 03

Project Manager
R.080317.001

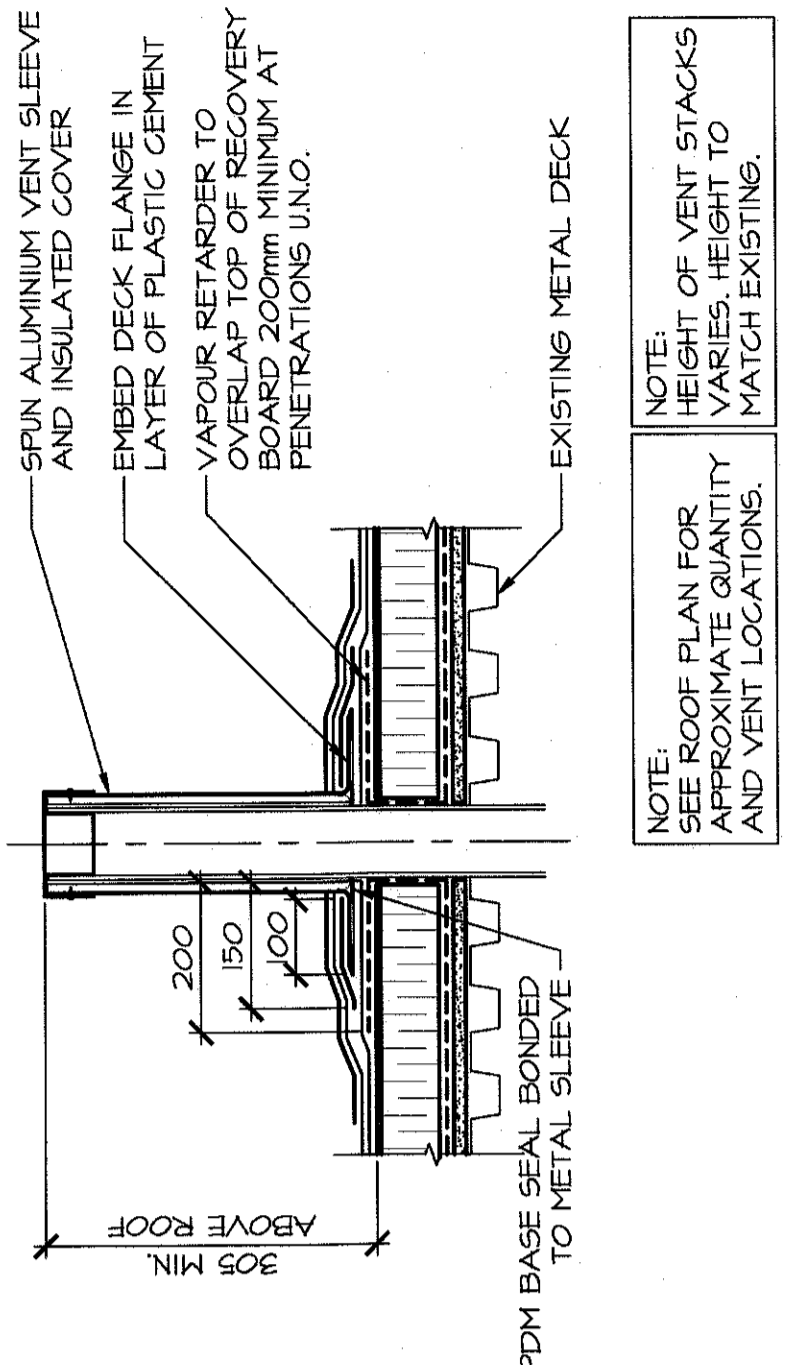
no. du projet
R.080317.001

no. de dessin
A-4

designed	ASD
date	2016 05 03
drawn	DRR
date	2016 05 03
approved	DEG
date	2016 05 03
Project Manager	R.080317.001
no. du projet	R.080317.001
no. de dessin	A-4



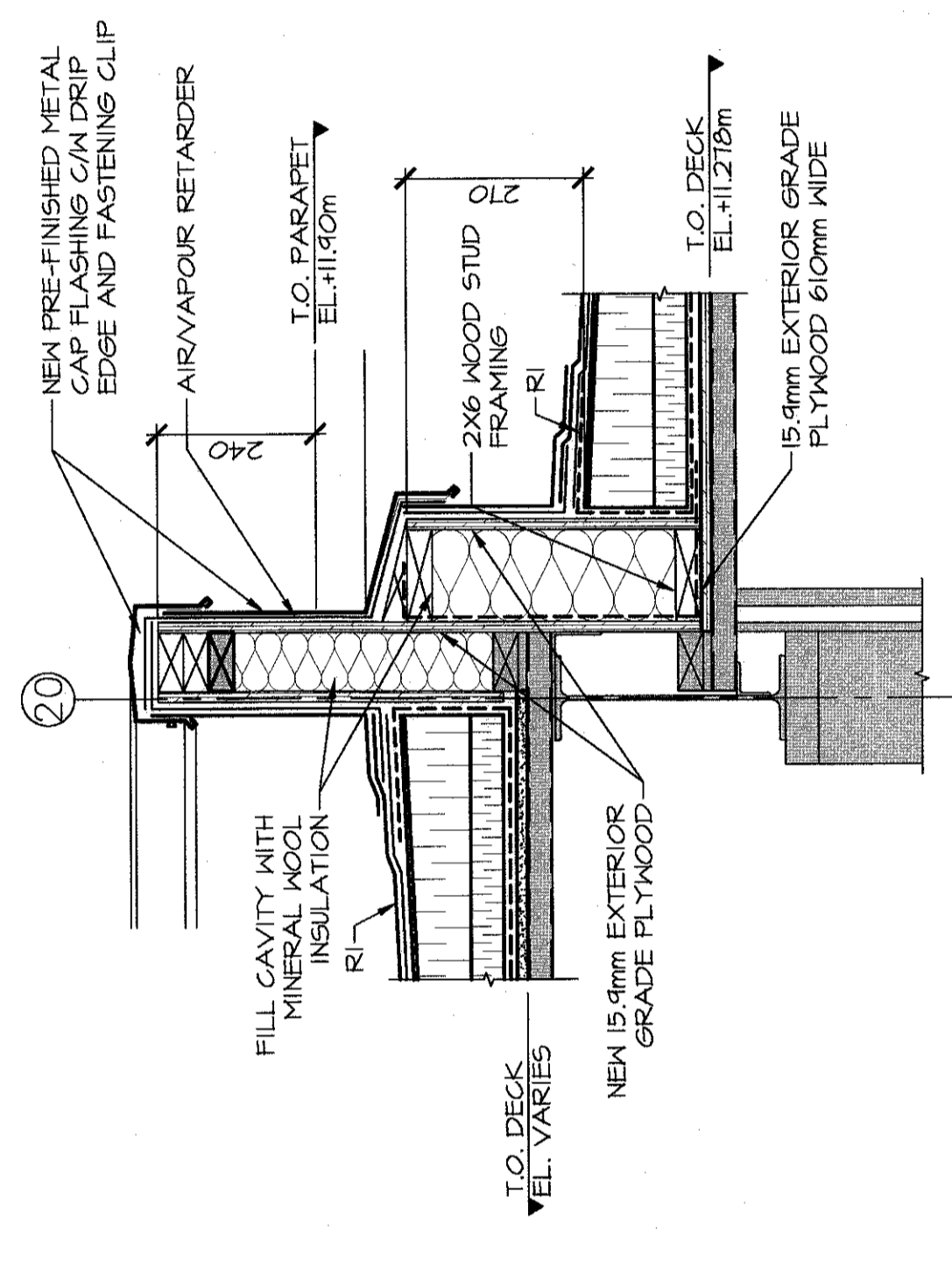
PARAPET DETAIL
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0mm 100 200 300 400 500 600 700 800 900 1000mm



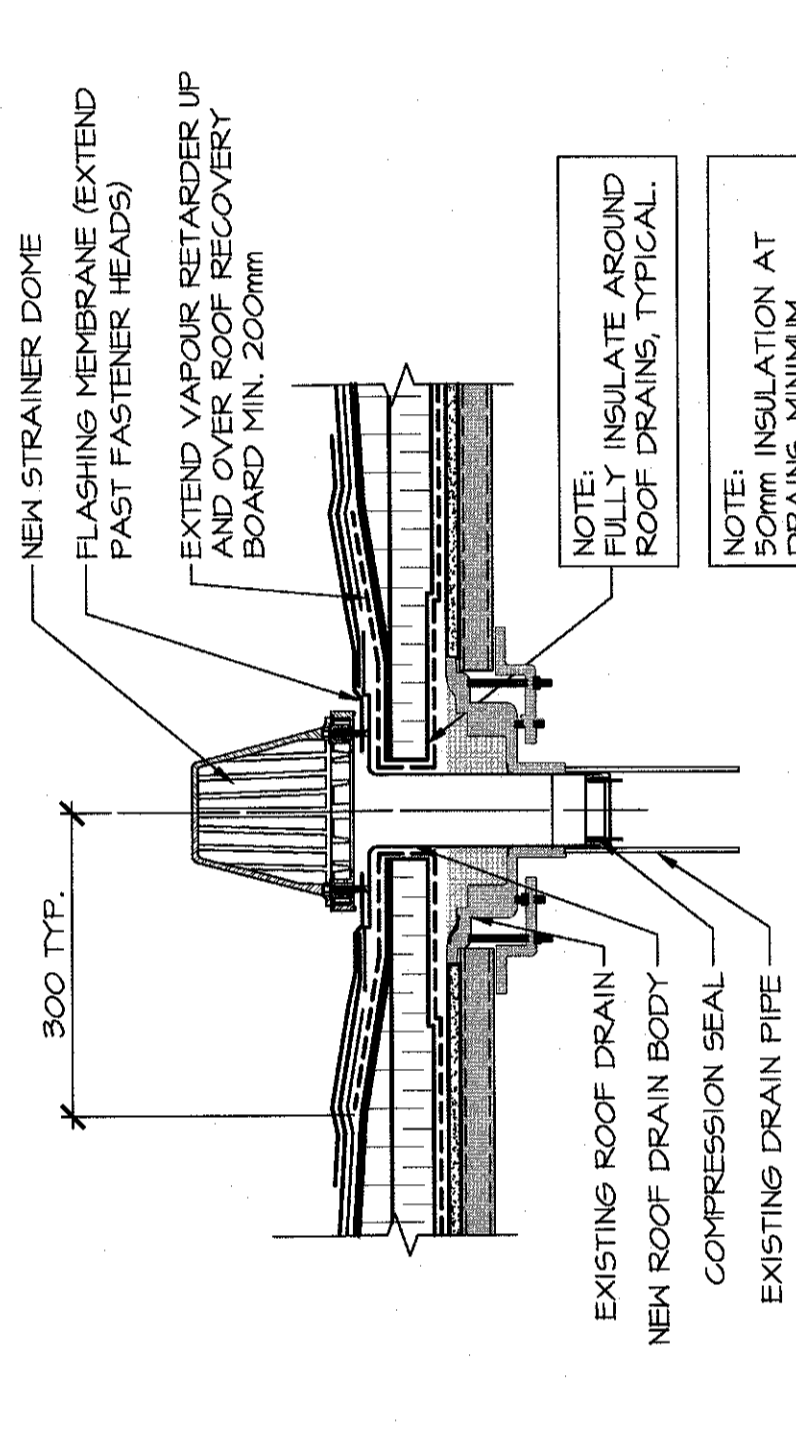
VENT STACK DETAIL
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTE: ROOF PLAN FOR APPROXIMATE QUANTITY VARIES HEIGHT TO AND VENT LOCATIONS.

NOTE: QUANTITY OF VENT STACKS VARIES HEIGHT TO AND VENT LOCATIONS.



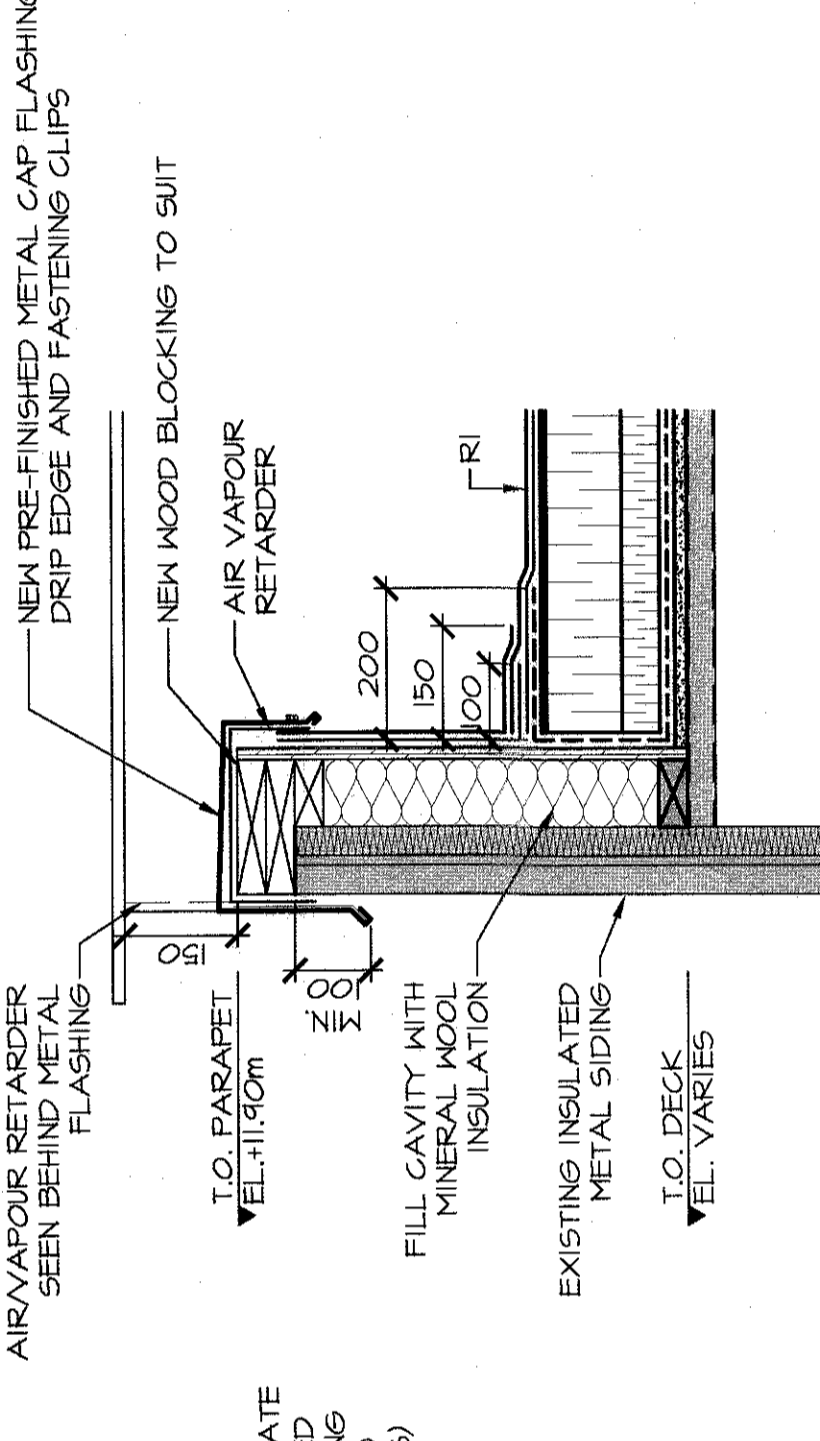
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SCALE: 1:10
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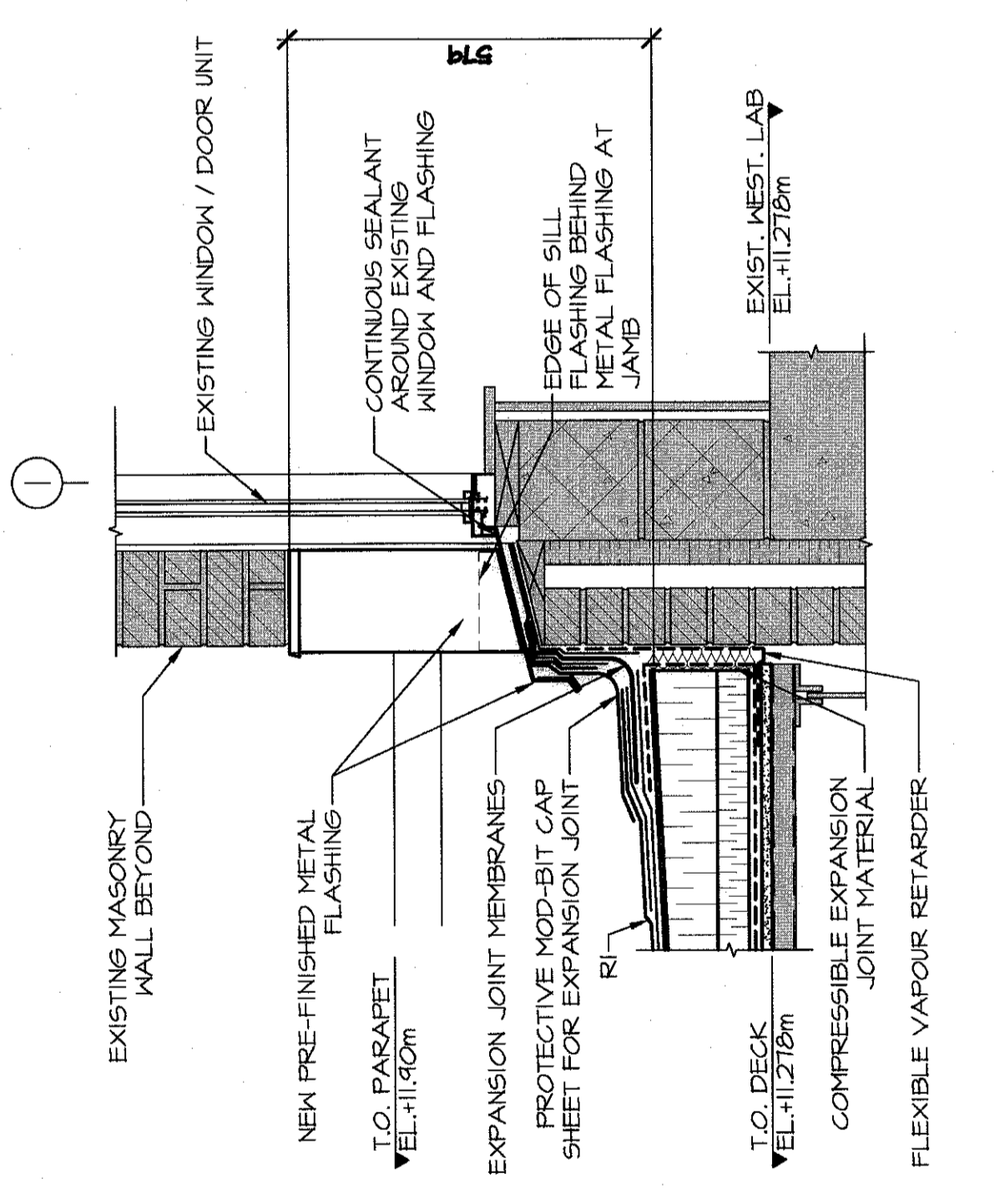
ROOF DRAIN DETAIL
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTE: FULLY INSULATE AROUND ROOF DRAINS, TYPICAL.

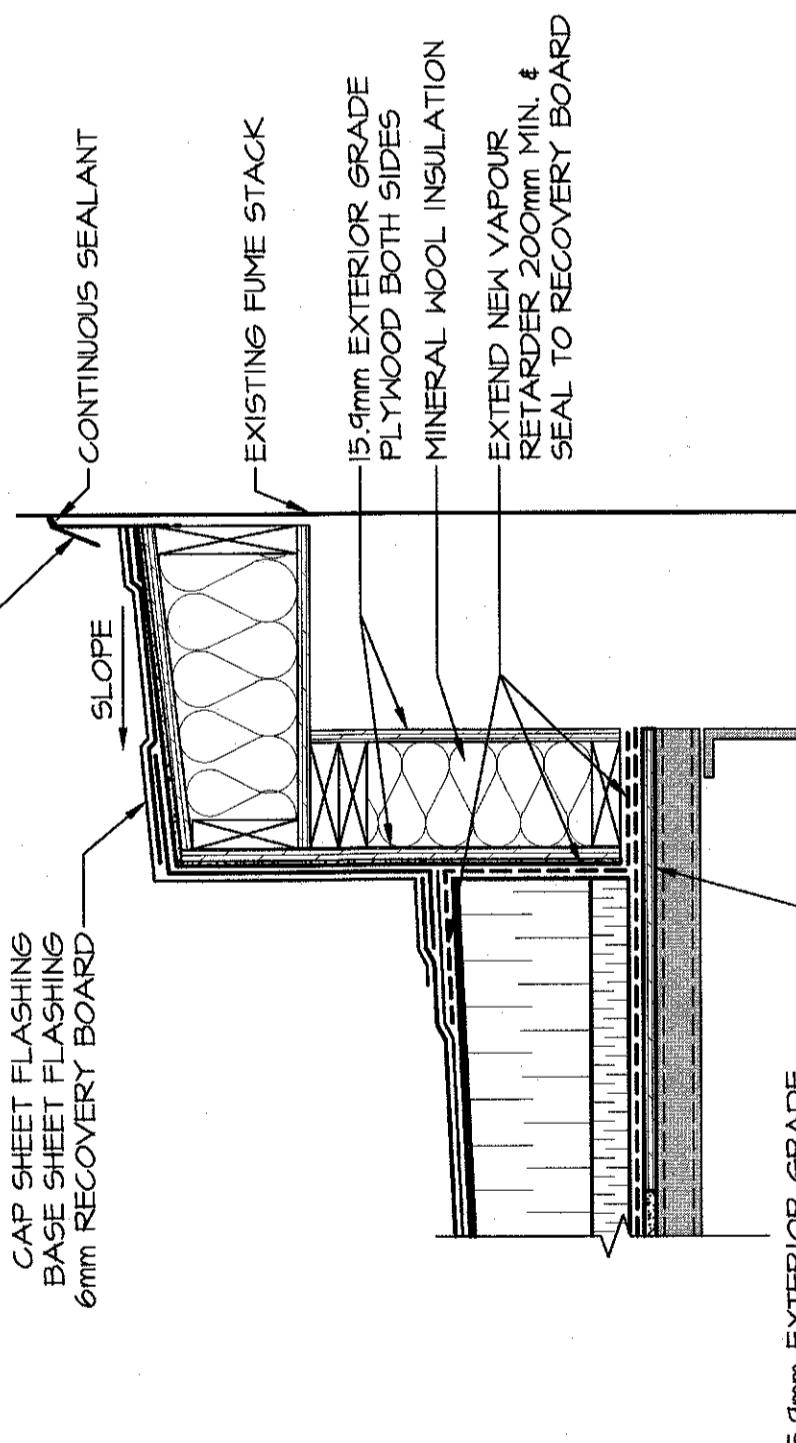
NOTE: INSULATION AT DRAINS, MINIMUM.



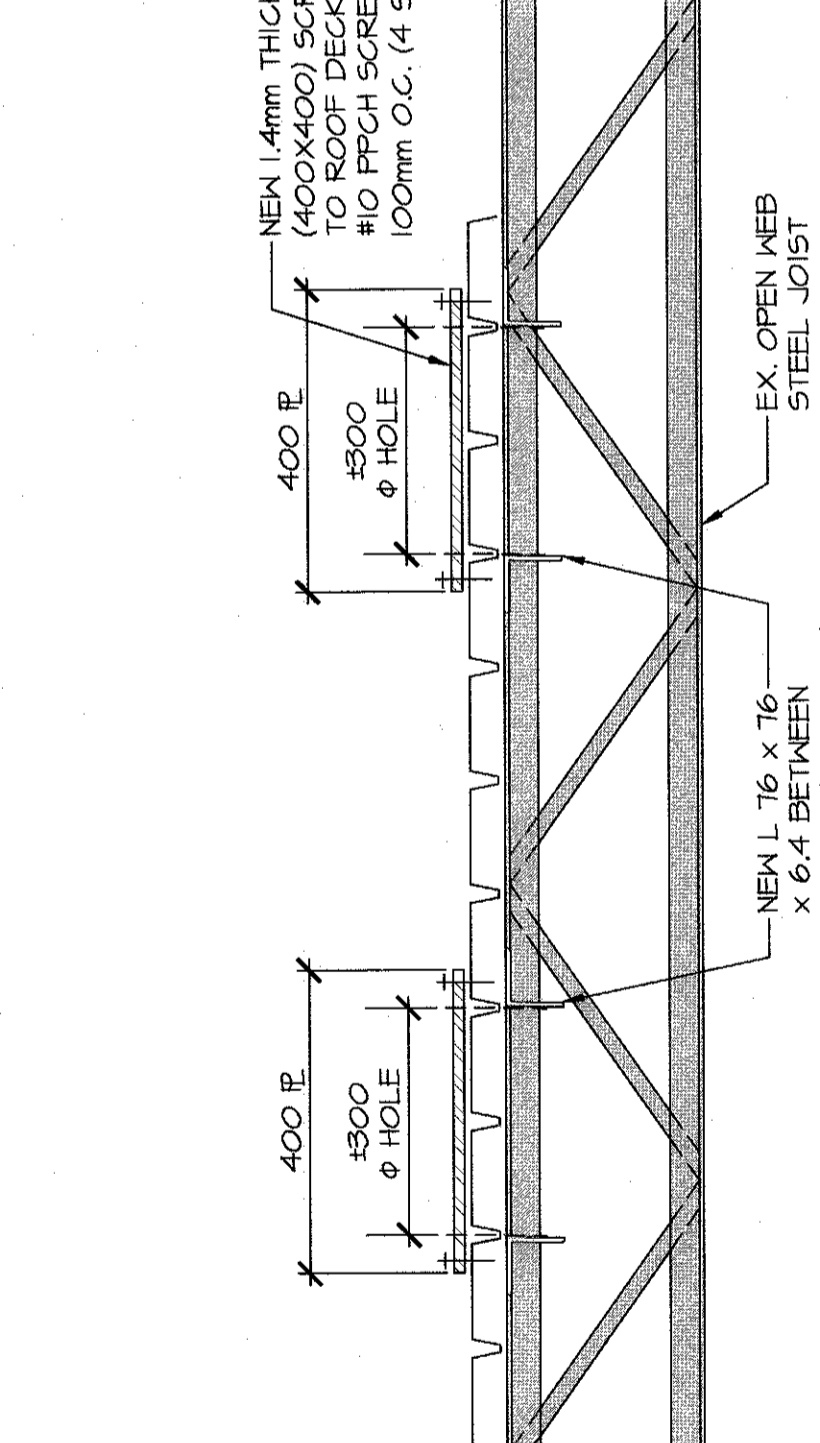
PARAPET DETAIL
SCALE: 1:10
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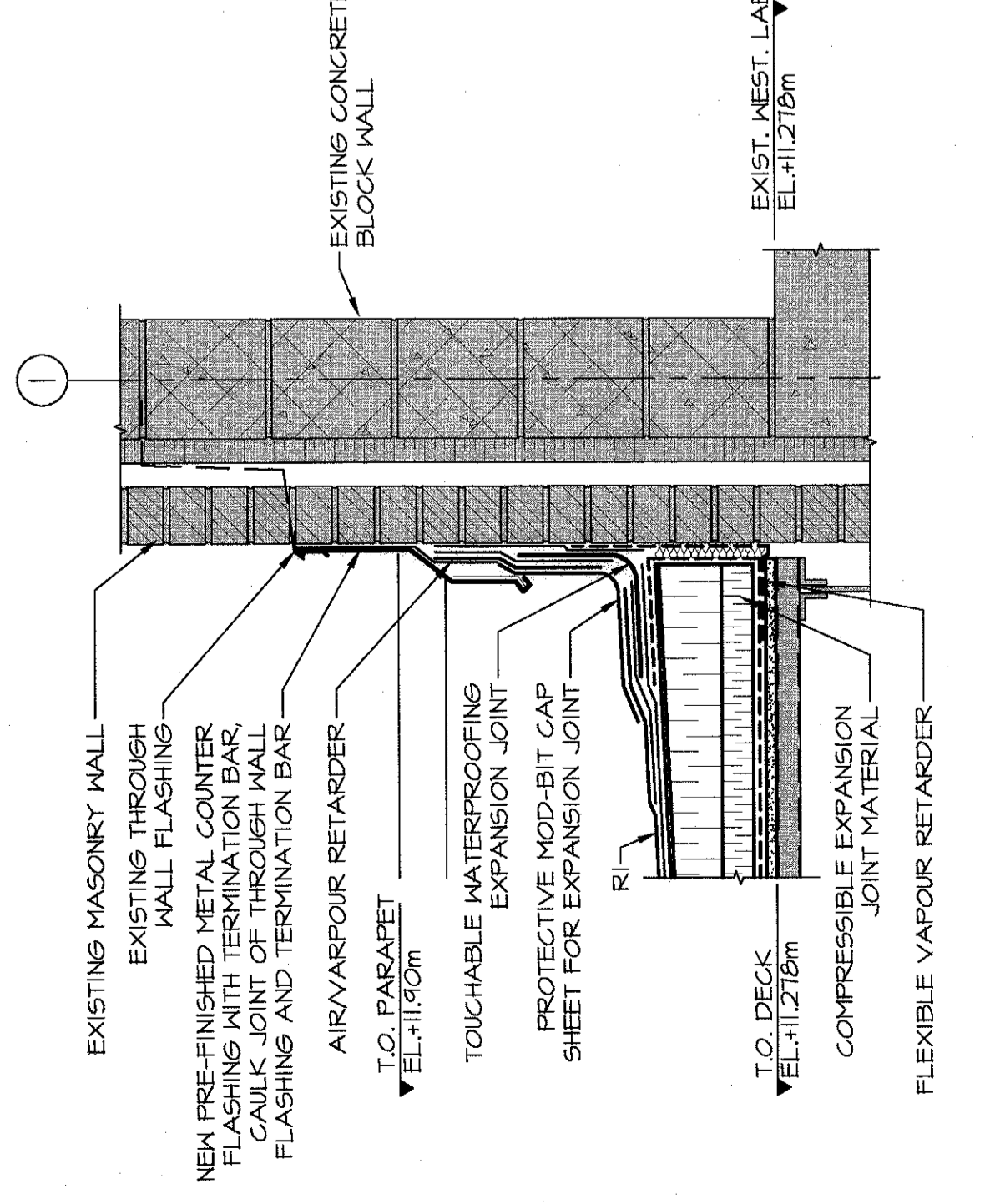
WALL / ROOF DETAIL
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



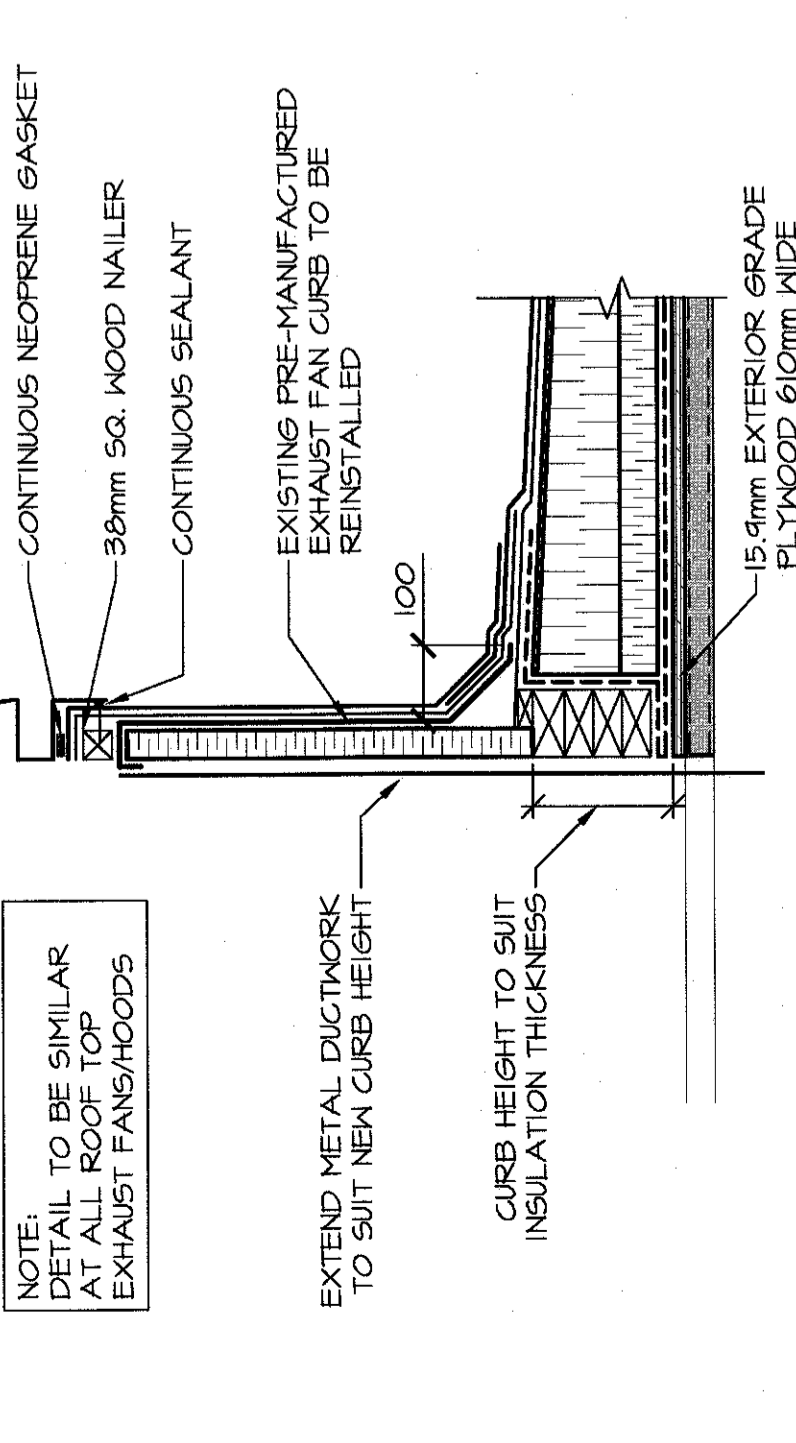
FUME STACK CURB DETAIL
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



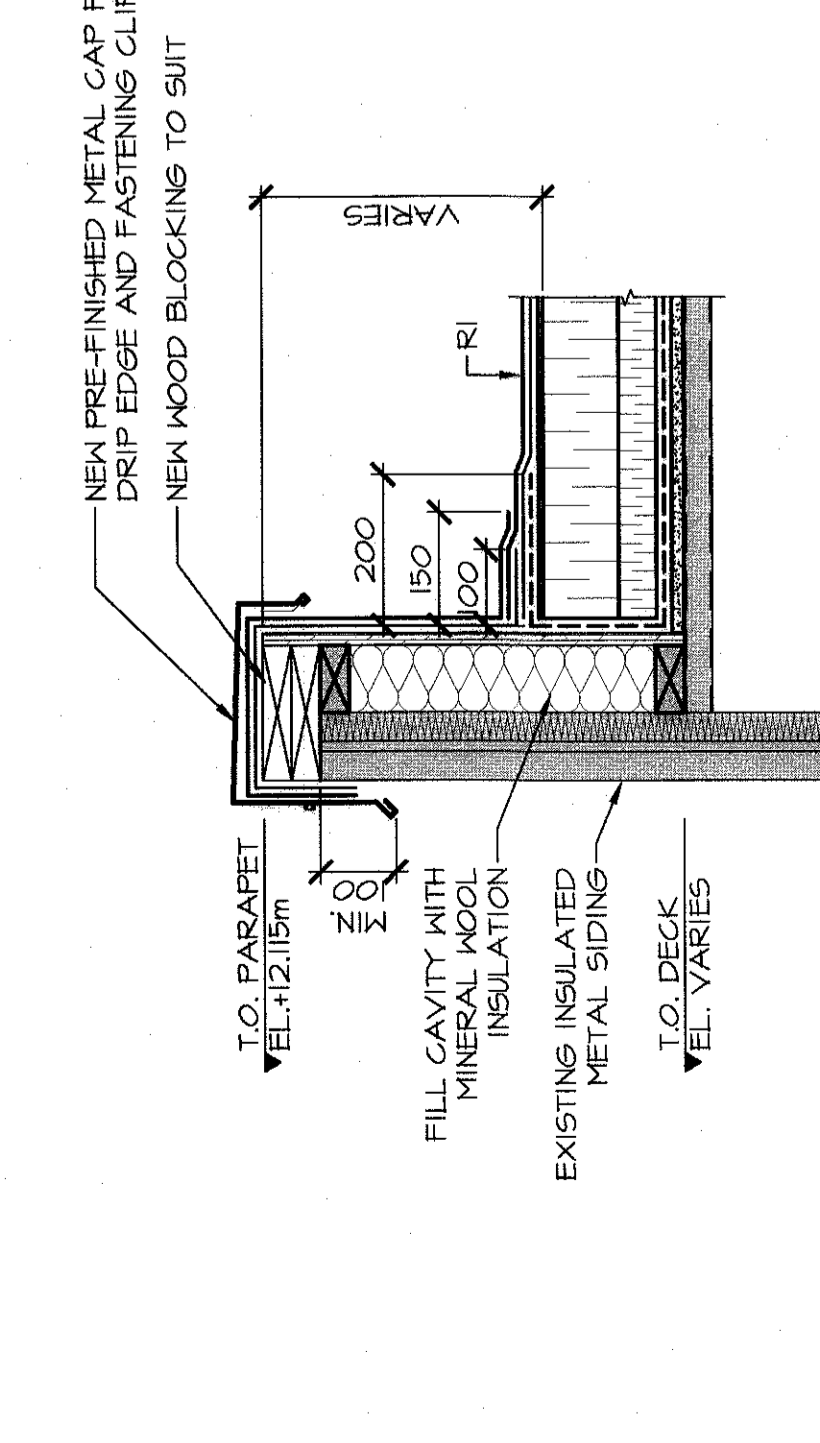
STEEL DECK INFILL DETAIL
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



WALL / ROOF DETAIL @ WINDOW
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



EXHAUST FANHOOD CURB DETAIL
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



PARAPET DETAIL
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

EXISTING ROOF ASSEMBLY TYPE 11
 MODIFIED BITUMINOUS CAP SHEET
 MODIFIED BITUMINOUS BASE SHEET
 12.7mm FIBREBOARD
 94mm RIGID INSULATION
 12.7mm G/FSM BOARD
 30mm METAL DECK

NEW ROOF ASSEMBLY TYPE 11
 CAP SHEET MEMBRANE AND FLASHINGS
 6mm RECOVERY BOARD
 75mm RIGID INSULATION (FLAT AND TAPERED)
 VAPOR RETARDER
 MOD BIT PRIMER
 15.9mm DECK COVERING MECHANICALLY FASTENED TO EXISTING SLOPED METAL DECK

NOTES:

- NATURAL GAS LINE TO BE REINSTALLED WITH NEW SUPPORTS. PROVIDE QUANTITY OF SUPPORTS AS MANUFACTURER.
- CONDUITS FOR ALL MECHANICAL EQUIPMENT TO BE FLASHED SIMILAR TO DETAILS ON DRAWING A-5.
- ENSURE SURFACES ARE CLEANED AND PREPARED TO PROVIDE FULL ADHESION OF AIR/VAPOUR BARRIER. PROVIDE FLASHINGS AROUND ALL OPENINGS IN METAL SIDING.

DEMOLITION NOTES:

- REMOVE EXISTING SUPPORTS FOR GAS LINE AS REQUIRED. PROVIDE QUANTITY OF SUPPORTS AS MANUFACTURER. CAP SHEET TO BE A CONTRASTING COLOUR FROM REMAINING CAP SHEET MEMBRANES. SEE PLAN FOR LOCATIONS.
- REMOVE EXISTING ROOF ASSEMBLY IN ITS ENTIRETY DOWN TO EXISTING METAL DECK INCLUDING EXISTING VAPOUR RETARDER.
- REMOVE ALL EXISTING FLASHINGS, TERMINATION BARS, SEALANTS AND MASTICS AS REQUIRED TO CONDUCT NEW WORK.
- REMOVE ALL ITEMS COMPLETE WITH ALL FASTENERS, CORNERS, FLASHINGS, AND FLASHINGS. ITEMS TO REMAIN COMPLETE REMOVALS TO ADJACENT SURFACES, NEAREST JOINT OR FRAMING BACKUP AND MAKE READY FOR NEW WORK. PERFORM ALL WORKING AND CLEANING NECESSARY TO CARRY OUT THE WORK OF ALL TRADES.
- PRIOR TO DEMOLITION OF EXISTING ASSEMBLIES, COORDINATE ANY REMOVALS OF EXISTING SERVICES WITH DEPARTMENTAL REPRESENTATIVE.
- REMOVE EXISTING CURBS AS NOTED ON PLANS. ENCLOSE OPENINGS AS REQUIRED DURING CONSTRUCTION TO PROVIDE WEATHER TIGHTNESS UNTIL WORK IS COMPLETED.
- COORDINATE WITH DEPARTMENTAL REPRESENTATIVE FOR ANY TEMPORARY REMOVALS OF MECHANICAL AND ELECTRICAL EQUIPMENT. PROVIDE QUANTITY OF EQUIPMENT AS INDICATED ON PLANS.
- PIPE ALTERATION BY GAS SUPPLIER.

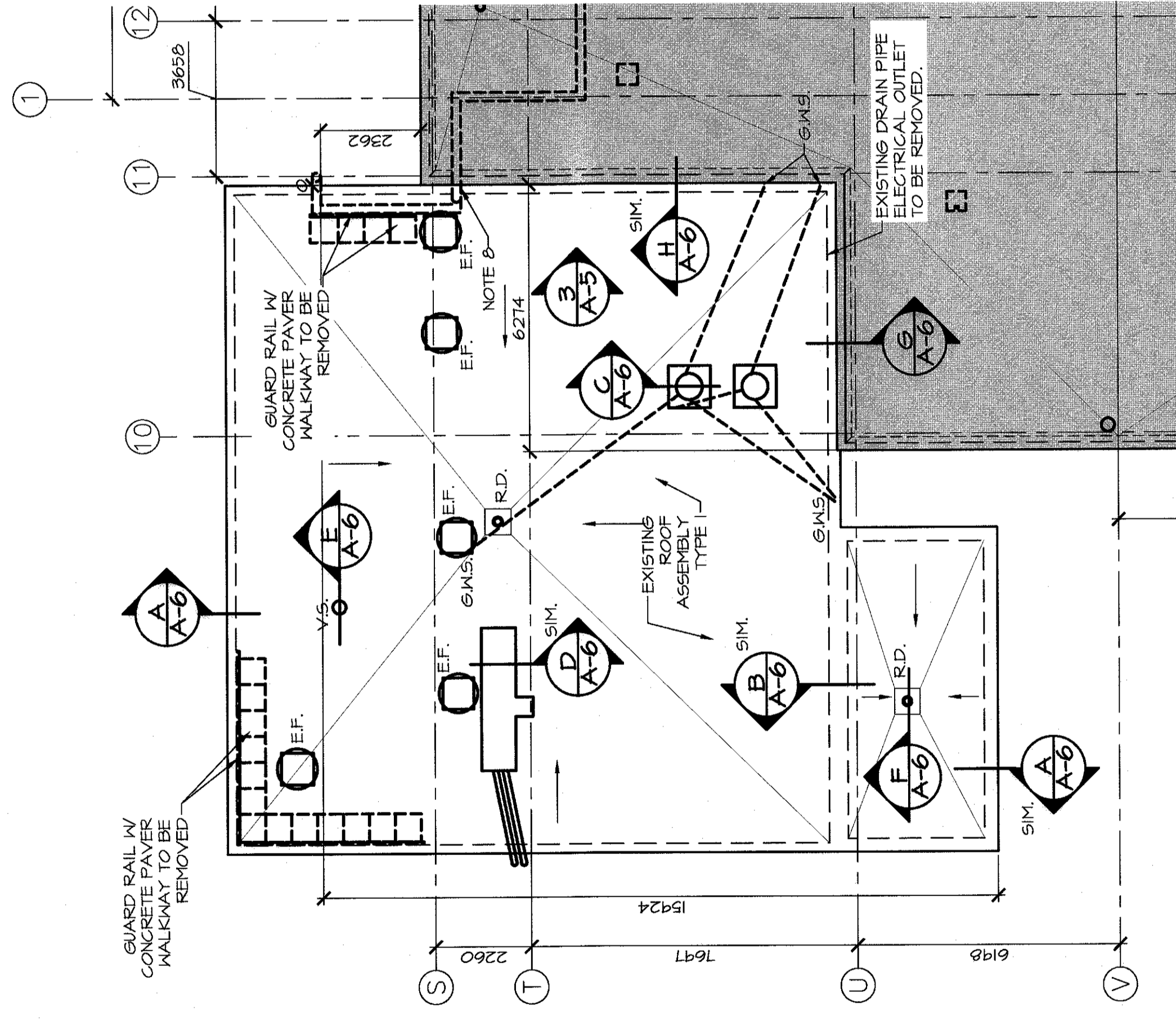
GENERAL CONSTRUCTION NOTES:

- PROVIDE ADDITIONAL LAYER OF MODIFIED BITUMEN UNDER WALKWAY. CAP SHEET TO BE A CONTRASTING COLOUR FROM REMAINING CAP SHEET MEMBRANES. SEE PLAN FOR LOCATIONS.
- INSTALL PRODUCTS AS PER MANUFACTURERS INSTRUCTIONS/RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS AND GENERAL CONTRACTUAL CONDITIONS.
- ALL DIMENSIONS AND EXISTING CONDITIONS ARE TO BE VERIFIED ON SITE AND ALL DISCREPANCIES REPORTED TO THE DEPARTMENTAL REPRESENTATIVE AND AGREED UPON PRIOR TO PROCEEDING. DO NOT PROCEED WITH WORK UNLESS DIMENSIONS AS NOTED PURSUANT TO THE SPECIFICATIONS AND GENERAL CONTRACTUAL CONDITIONS ARE NOTED.
- PROTECT EXISTING FINISHES, EQUIPMENT AND SYSTEMS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. IDENTIFY AND PROTECT ALL ADJACENT AREAS AROUND PERIMETER OF BUILDING FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. REINSTATE ANY DAMAGED LANDSCAPED AREAS AS PER MANUFACTURERS INSTRUCTIONS/RECOMMENDATIONS. COORDINATE WITH STORAGE / DUMPSTER LOCATION WITH DEPARTMENT REPRESENTATIVE.
- REMOVE ALL ITEMS COMPLETE WITH ALL FASTENERS, BRACES, AND ACCESSORIES. COORDINATE REMOVALS WITH ITEMS TO REMAIN. COMPLETE REMOVALS TO ADJACENT SURFACES, NEAREST JOINT OR FRAMING BACKUP AND MAKE READY FOR NEW WORK. PERFORM ALL CUTTING AND PATCHING NECESSARY TO CARRY OUT THE WORK OF ALL TRADES.
- PRIOR TO DEMOLITION OF EXISTING ASSEMBLIES, COORDINATE ANY REMOVALS OF EXISTING SERVICES WITH DEPARTMENT REPRESENTATIVE.
- FOR GUIDE WIRE ANCHORS AND FLASHINGS PROVIDE SUPPORTS WITH SOLID WOOD BLOCKING SECURED TO FRAMING JOIST TO FULLY SUPPORT GUIDE WIRE ANCHORS.
- PIPE ALTERATION BY GAS SUPPLIER.

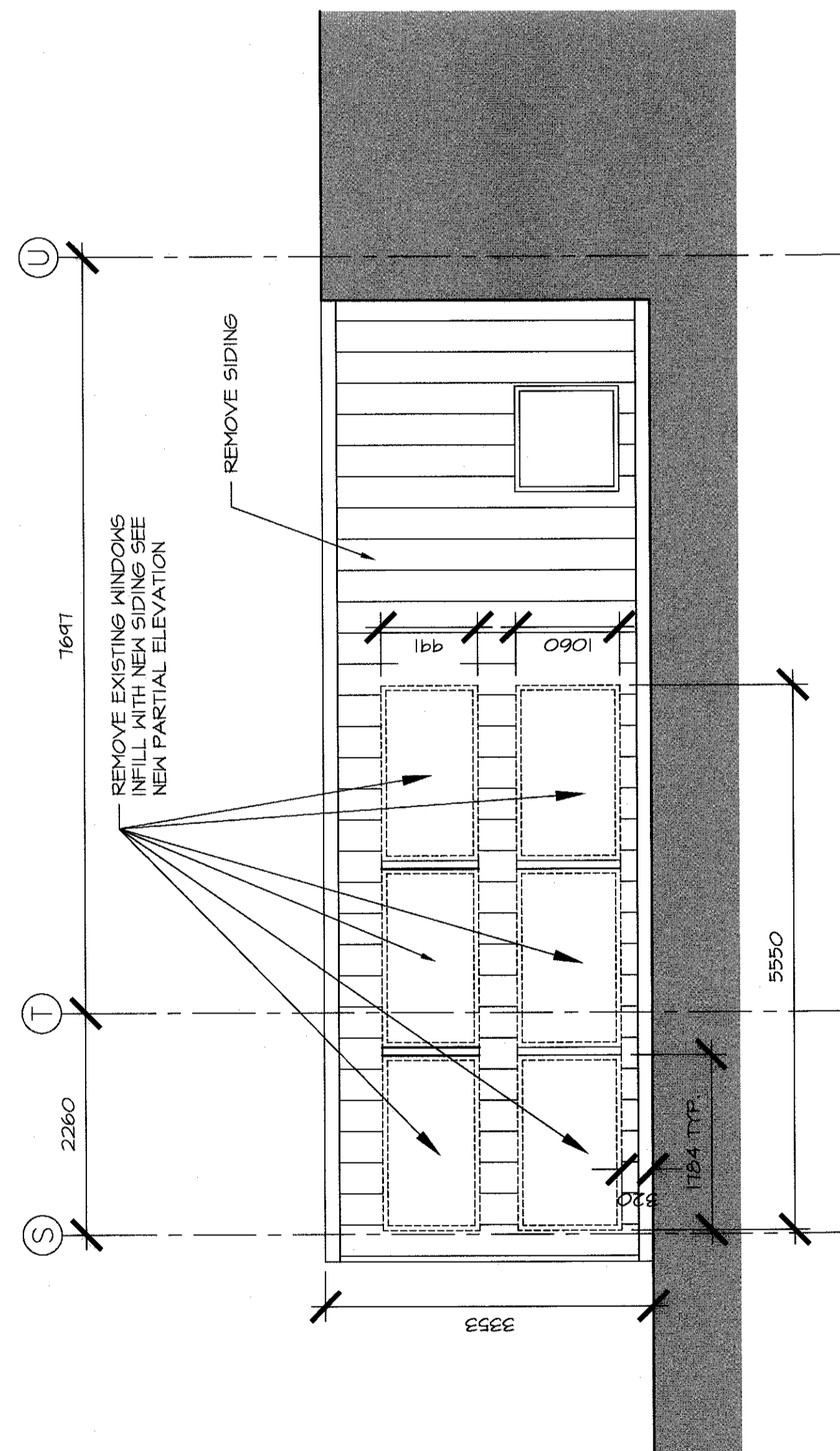
DEMOLITION PLAN LEGEND:

- ALL EXISTING ROOF MOUNTED MECHANICAL AND A/C UNITS, VENT SLEEVES, ELECTRICAL OPENINGS, ETC. TO BE REMOVED AND REINSTALLED U.N.G. PROVIDE PROPER FLASHING AND VERIFY ALL ROOF TOP EQUIPMENT ON-SITE, TYPICAL.
- ROOF SLOPE DIRECTION
- ROOF DRAINS (TO BE RETROFITTED WITH NEW DRAINS)
- VENT SLEEVES (TO BE REMOVED) (PIPE TO REMAIN) U.N.G. CO-ORD WITH NEW ROOF PLAN FOR LOCATIONS OF REINSTALL.

- VENT SLEEVES AND VENT PIPE TO BE REMOVED. ROOF OPENINGS TO BE INFILLED. CO-ORD WITH ROOF PLAN FOR LOCATIONS
- METAL STAND PIPE
- EXHAUST FAN AND CURBS (TO BE REMOVED AND REINSTALLED)
- ROOF CURBS (TO BE REMOVED) CO-ORD WITH NEW ROOF PLAN
- TOP OF EXISTING METAL DECK



DEMOLITION ROOF PLAN
 SCALE: 1:100

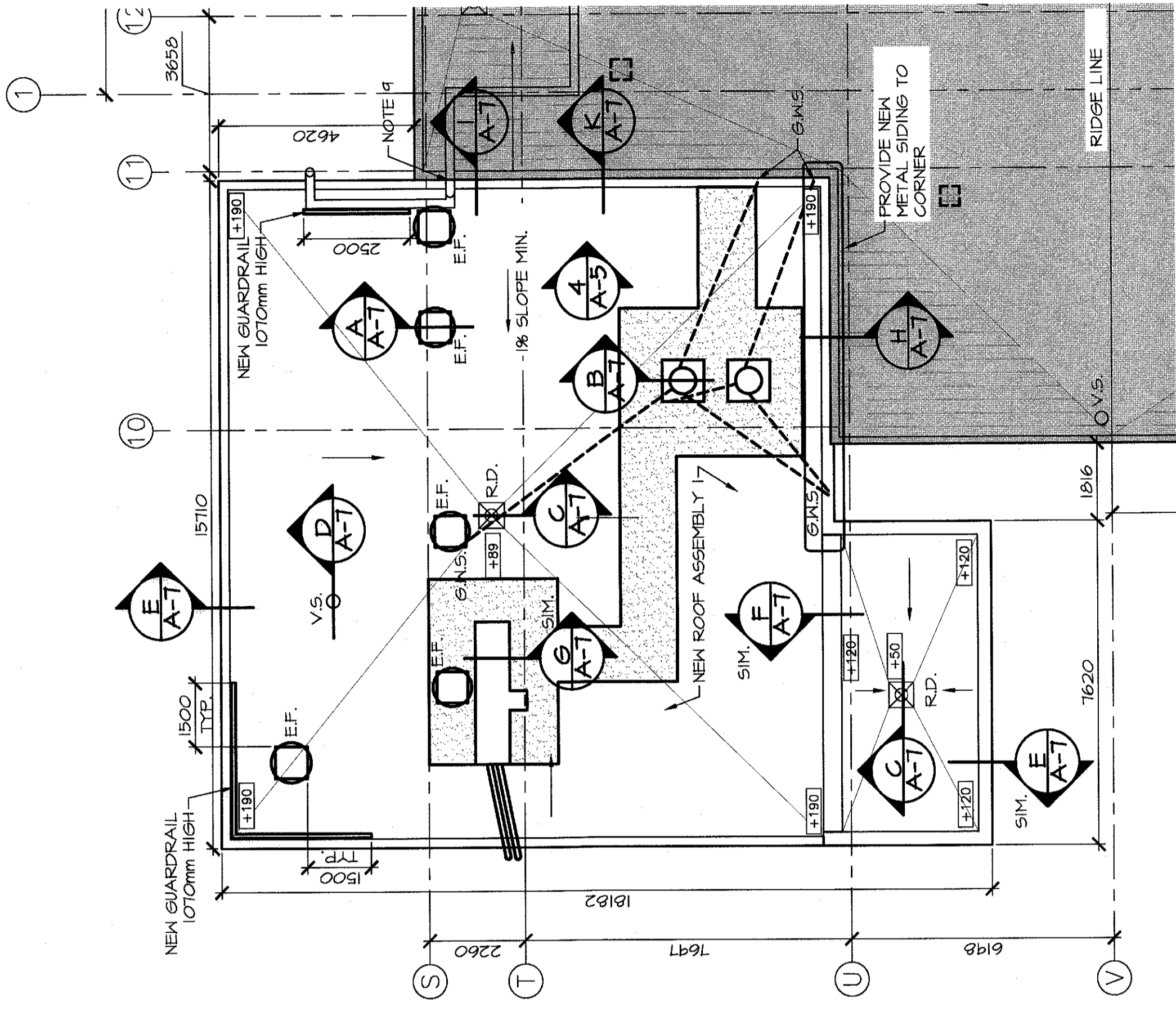


PARTIAL EXISTING ELEVATION
 SCALE: 1:50

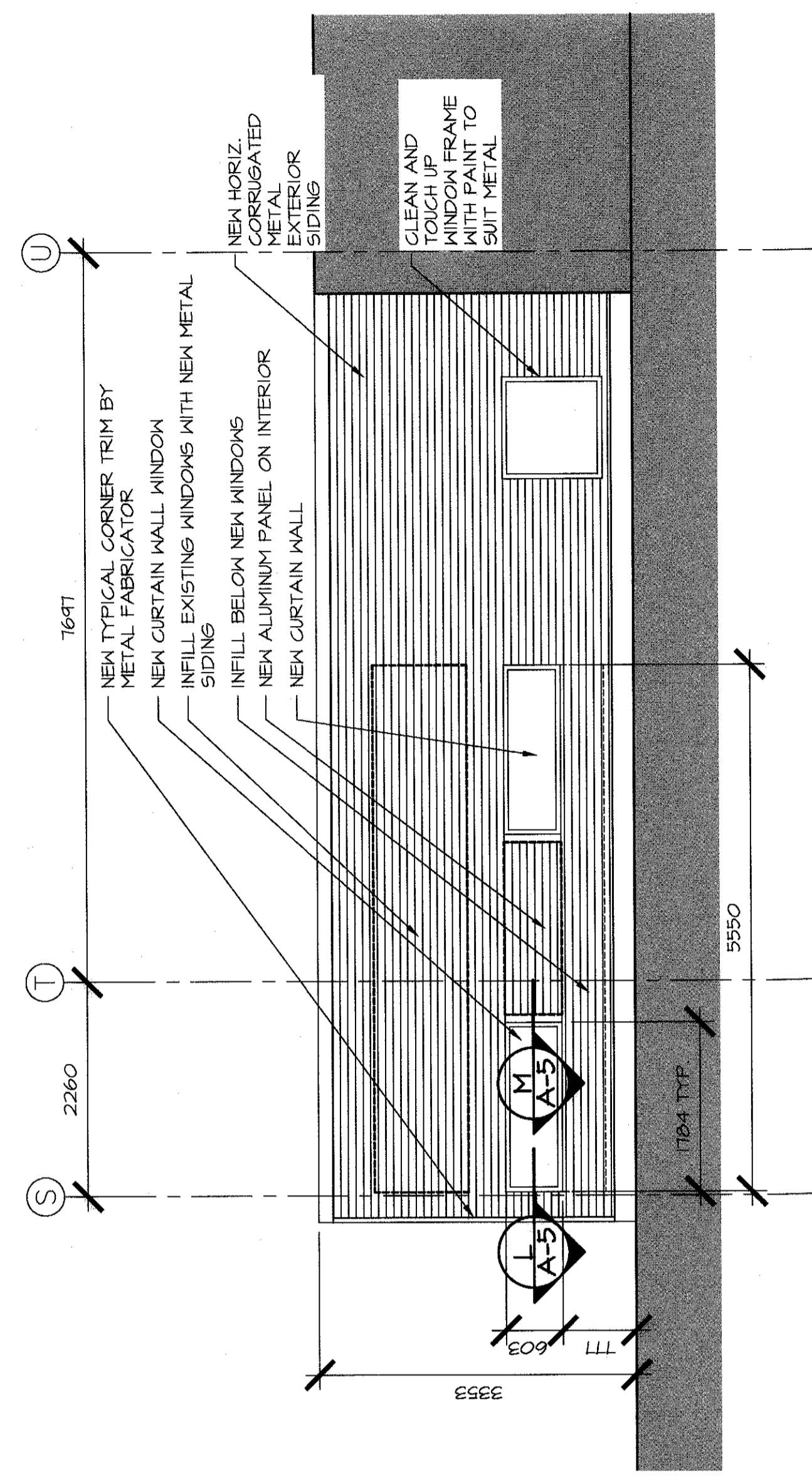
NEW PLAN LEGEND:

- ALL EXISTING ROOF MOUNTED MECHANICAL AND A/C UNITS, VENT SLEEVES, ELECTRICAL OPENINGS, ETC. TO BE REINSTALLED. U.N.G. PROVIDE PROPER FLASHING AND VERIFY ALL ROOF TOP EQUIPMENT ON-SITE, TYPICAL.
- ROOF SLOPE DIRECTION
- RETROFIT DRAINS ARE TO BE INSTALLED AT EXISTING DRAIN LOCATIONS. PROVIDE NEW 600x600 DRAIN CURB AROUND ALL ROOF DRAINS.

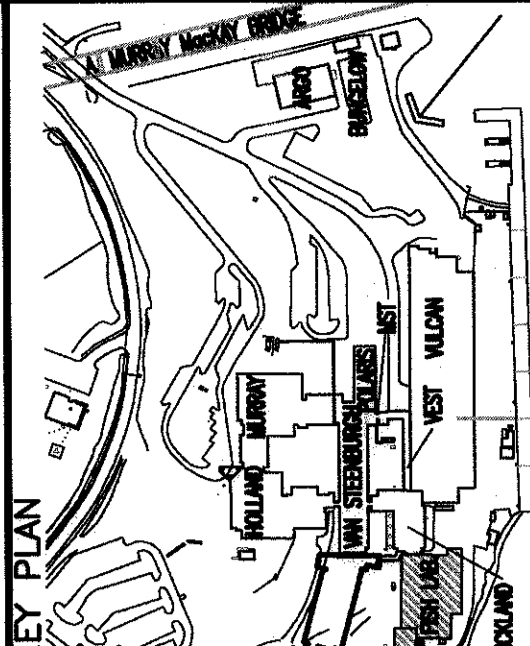
- NEW INSULATED VENT SLEEVE
- REINSTALLED EXHAUST FAN
- INSULATION THICKNESS
- NEW METAL DECK INFILL
- DEMOTES EXTENT OF TAPERED INSULATION. MIN SLOPE 1%



NEW ROOF PLAN
 SCALE: 1:100

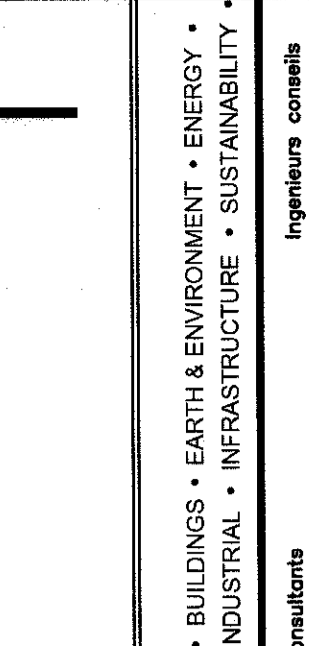


NEW PARTIAL ELEVATION
 SCALE: 1:50

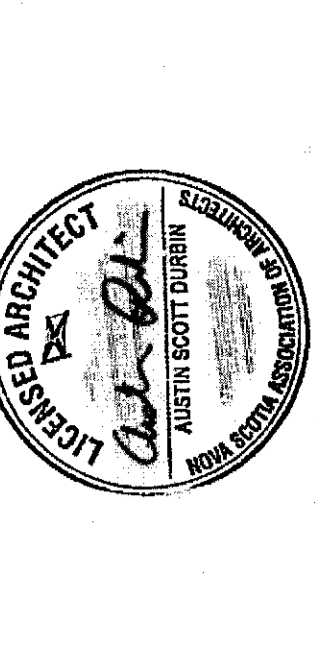


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 VESC - VULCAN EAST SERVICE CORRIDOR

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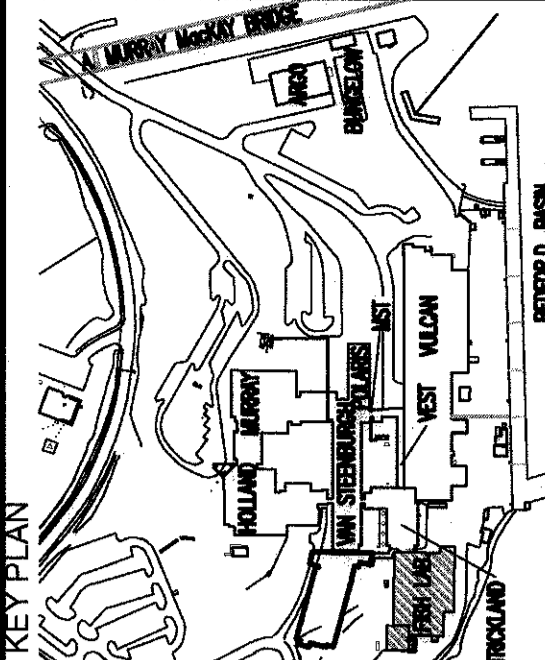
- ABBREVIATIONS:
- A.C. - AIR CONDITIONER
 - E.F. - EXHAUST FAN
 - E.H. - EXHAUST HOOD
 - G.M.S. - GAS MAIN SUPPORT
 - N.I.C. - NOT IN CONTRACT
 - P.P. - PITCH POCKET
 - R.C. - ROOF CURB
 - R.D. - ROOF DRAIN
 - S.I.M. - SIMILAR
 - S.P. - STAND PIPE
 - U.N.G. - UNLESS NOTED OTHERWISE
 - V.S.P. - VENT SLEEVE
 - V.S.P. - VENT SLEEVE AND PIPE

revisions	date	project
0	ISSUED FOR TENDER 09/03/2016	

BIO FISH LAB
 ROOF REPLACEMENT
 DARTMOUTH, NS

LOWER FISH LAB
 ROOF PLANS &
 LOWER FISH LAB
 ELEVATIONS

designed ASD
 date 2016.05.03
 drawn DRY/REM
 date 2016.05.03
 approved DEG
 date 2016.05.03
 Project Manager
 Project number R.080317.001
 no. de projet
 no. de dessin A-5



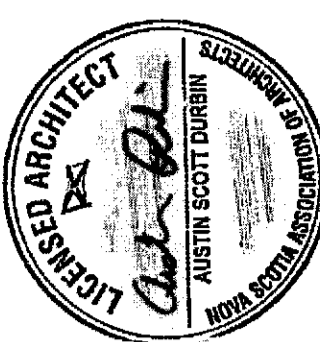
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VESC - VOLCANIC EAST SERVICE CORRIDOR

ARCHITECT
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LEGEND:
--- EXISTING TO BE REMOVED
--- EXISTING TO REMAIN

0	ISSUED FOR TENDER	05/03/2016
	revisions	date

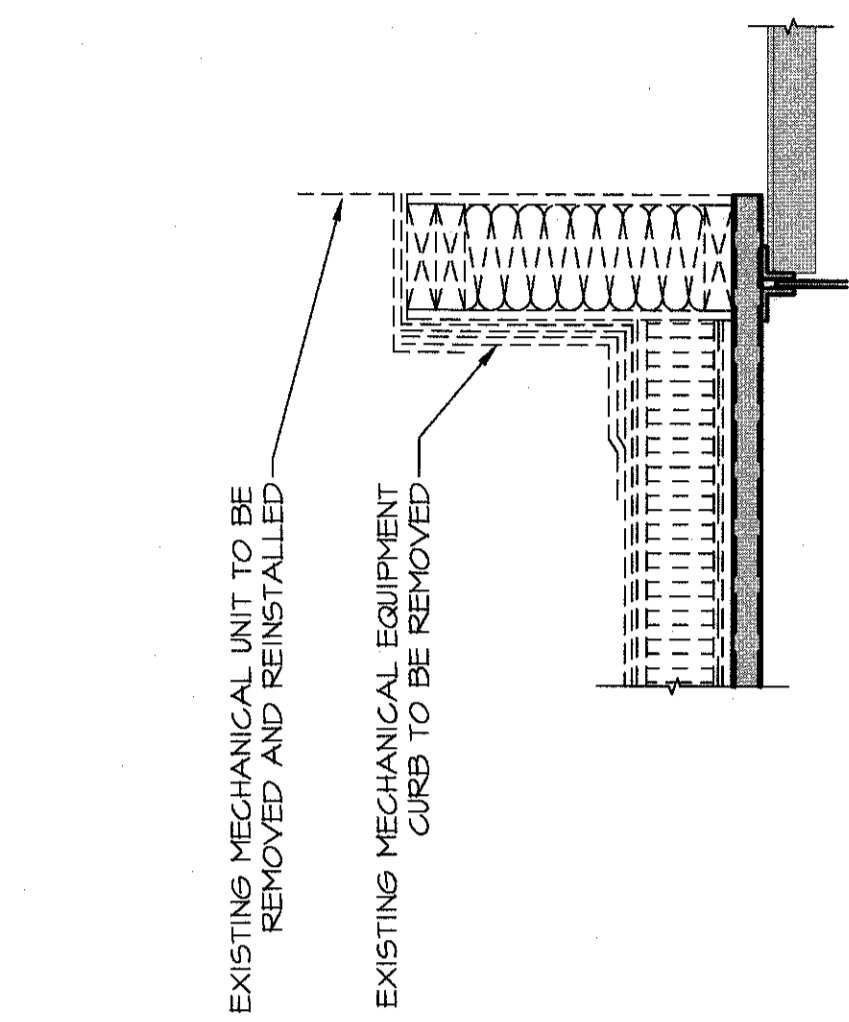
project
**BIO FISH LAB
ROOF REPLACEMENT
DARTMOUTH, NS**

designing
**EXISTING / DEMOLITION
ROOF DETAILS
LOWER FISH LAB**

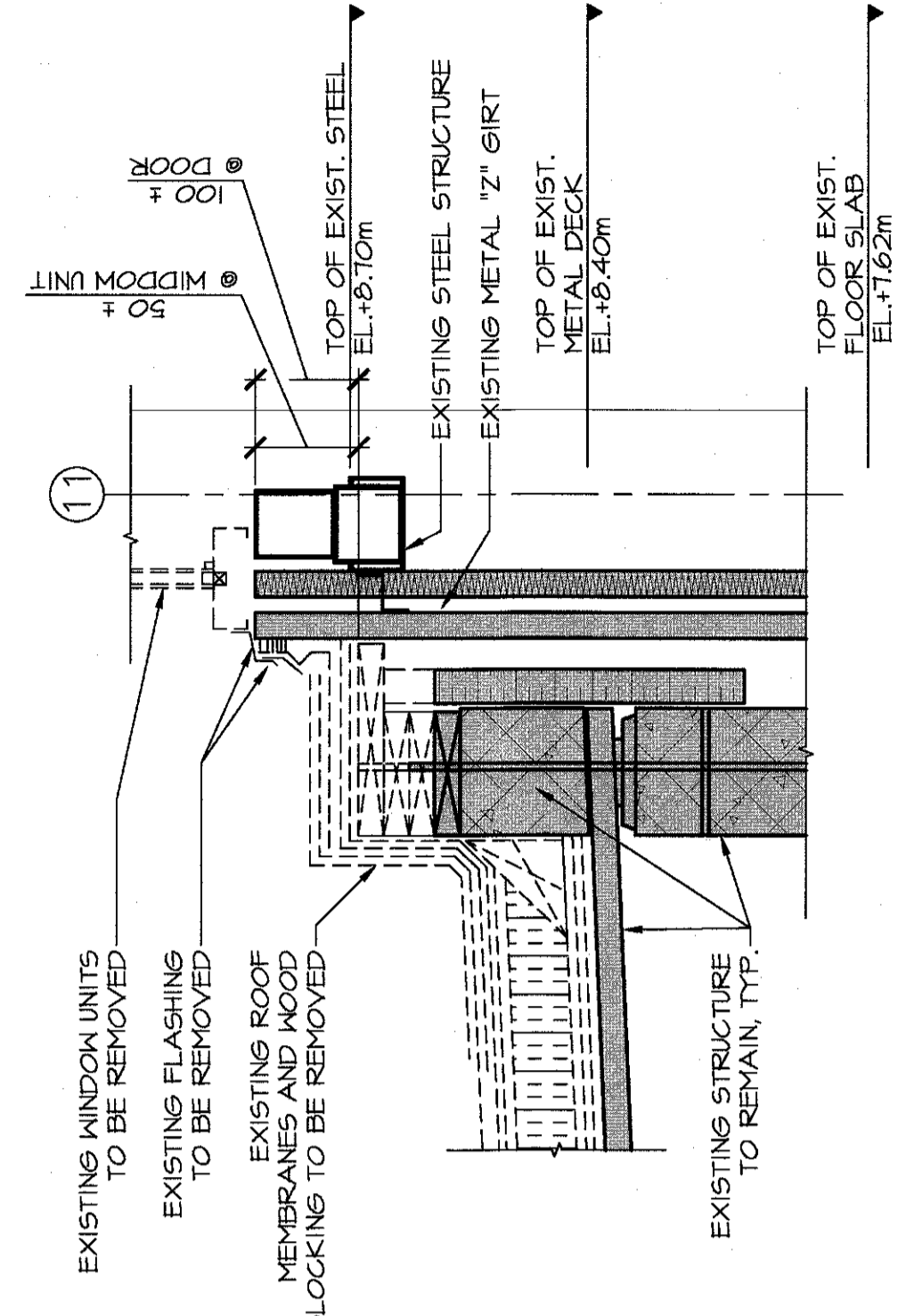
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date	2016 05 03	
drawn	DRS/REM	assist
date	2016 05 03	
approved	DEC	approve
date	2016 05 03	
submitter		Submission

PWSSC Project Manager
no. du projet
R.080317.001

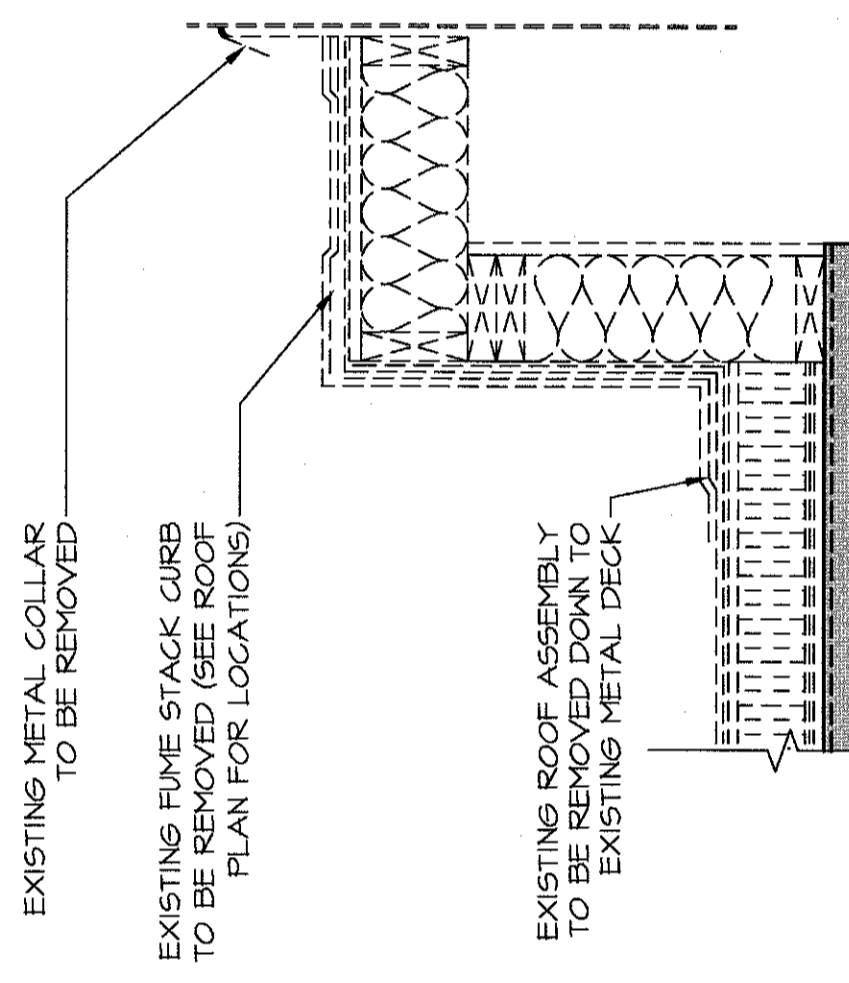
drawing no.
A-6
no. du dessin



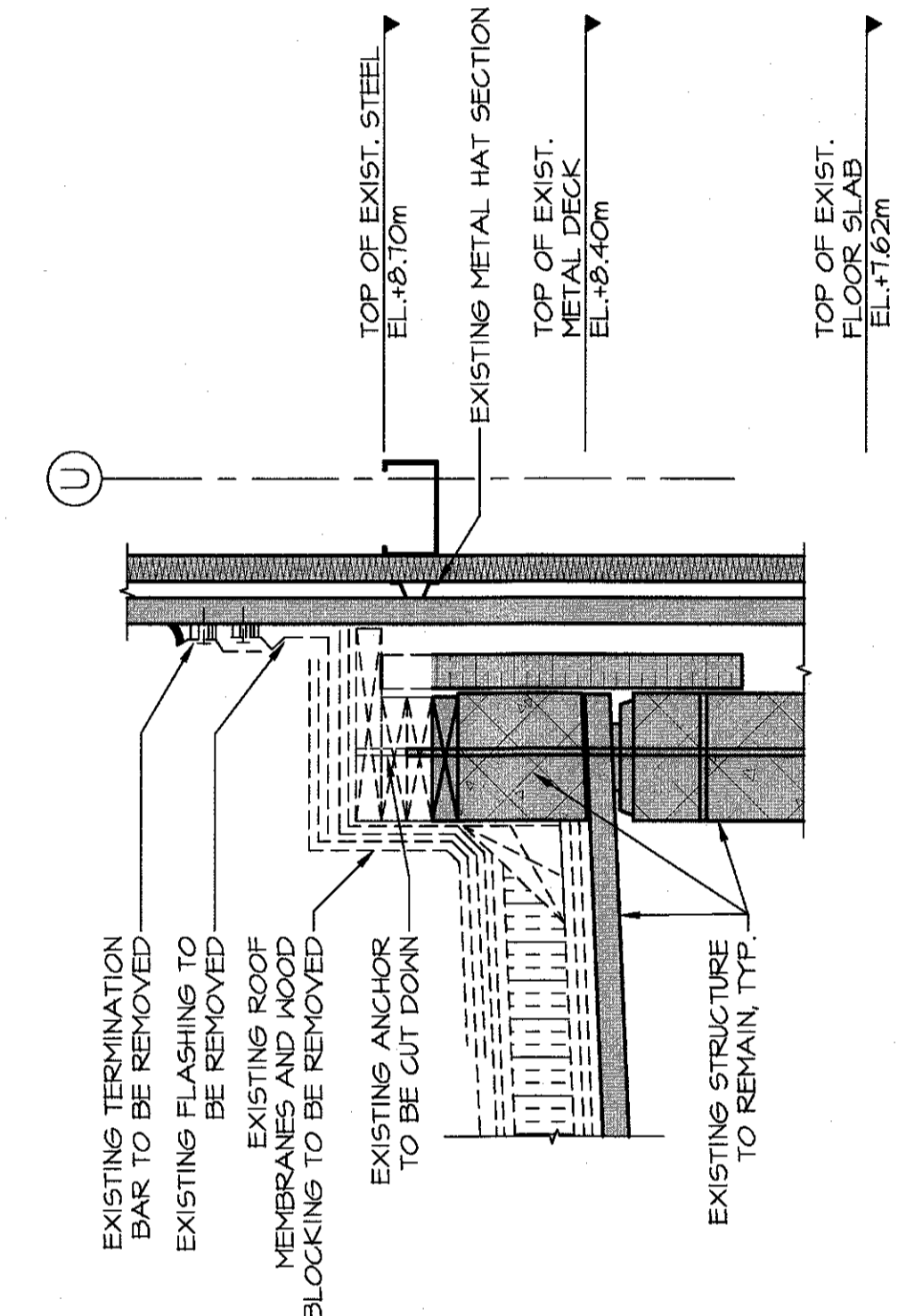
MECH. EQUIP. CURB DETAIL
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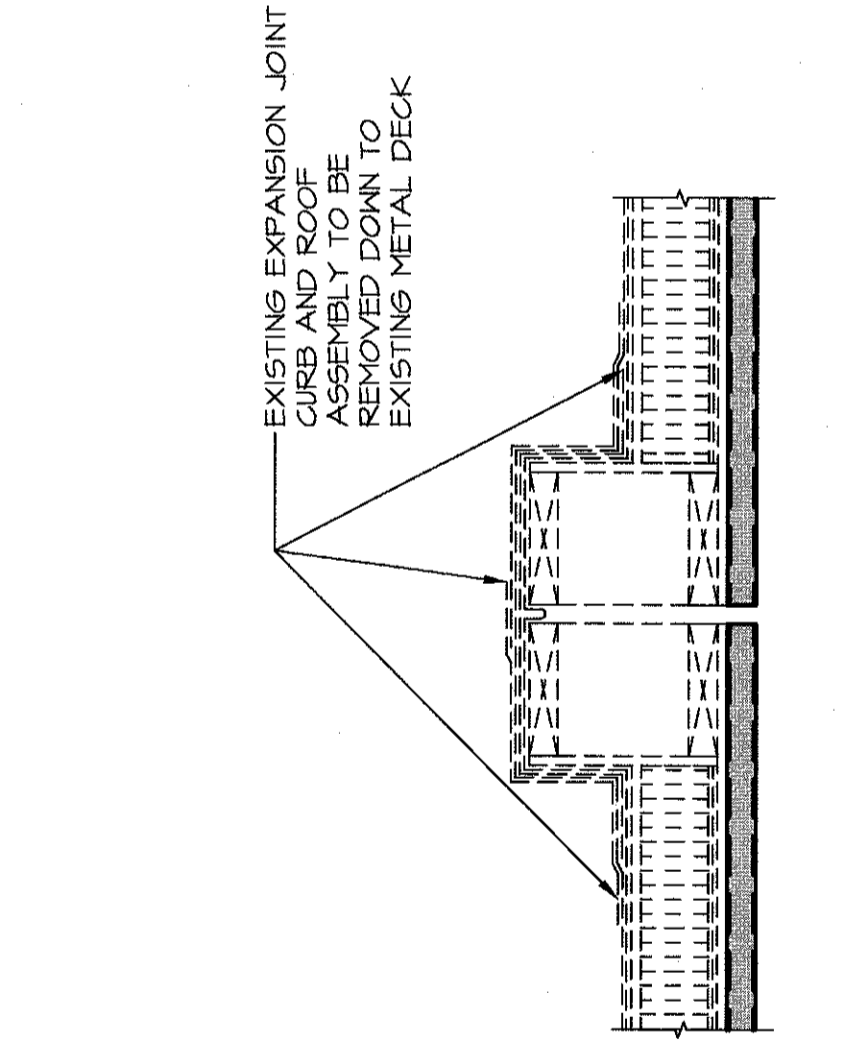
WINDOW / CURB DETAIL
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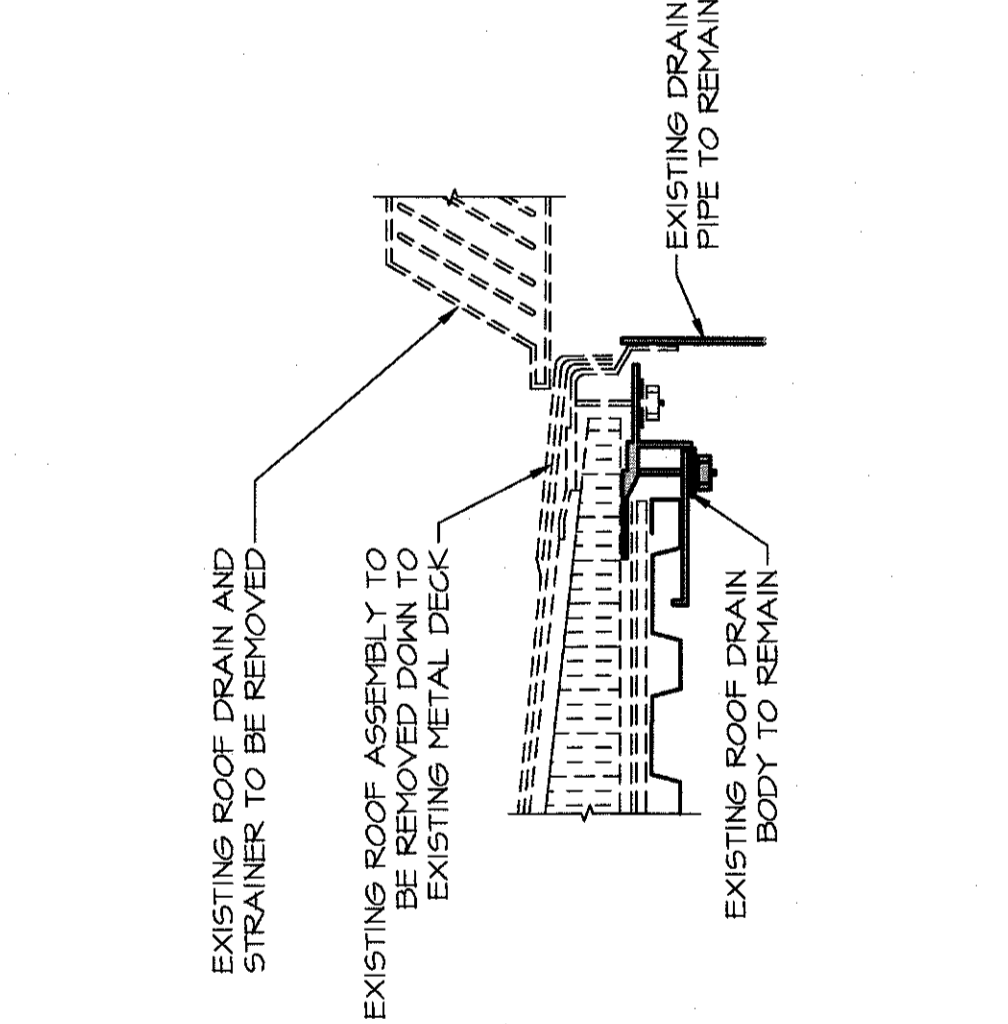
FUME STACK CURB DETAIL
SCALE : 1:10
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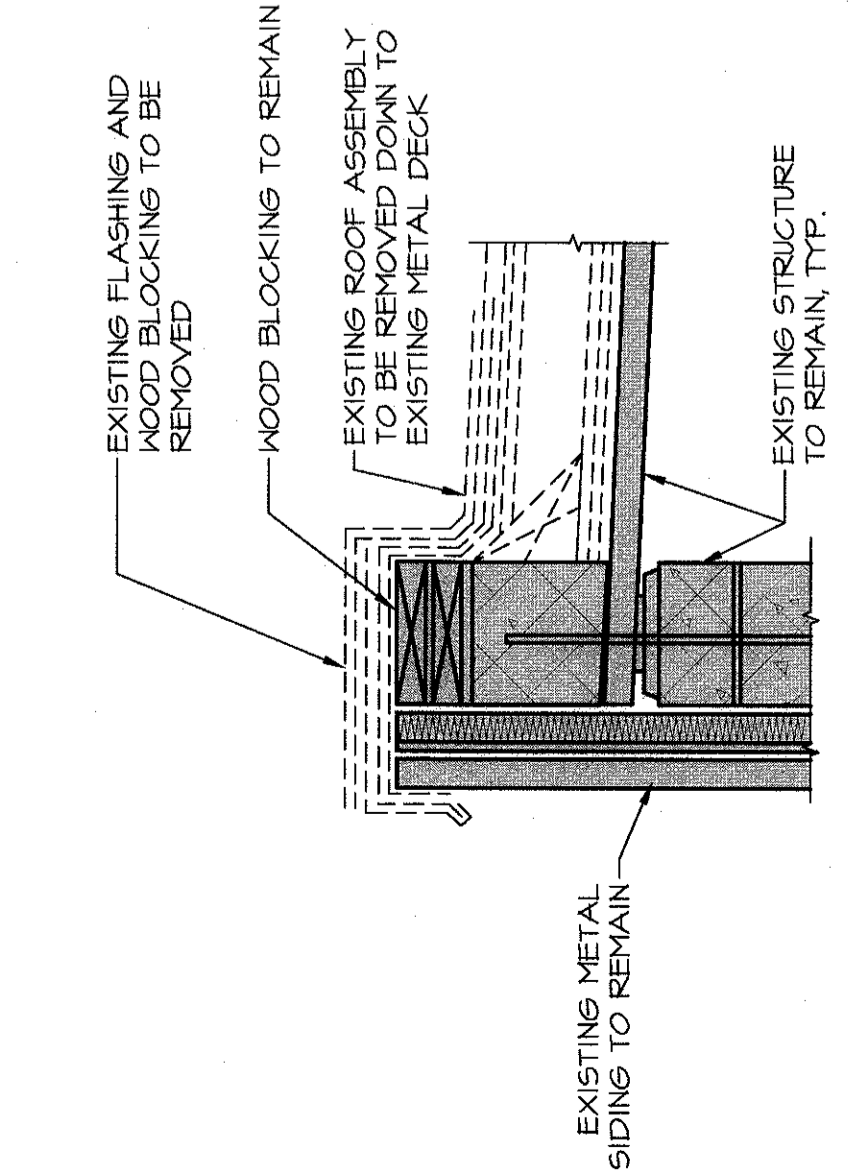
WALL / ROOF CURB DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



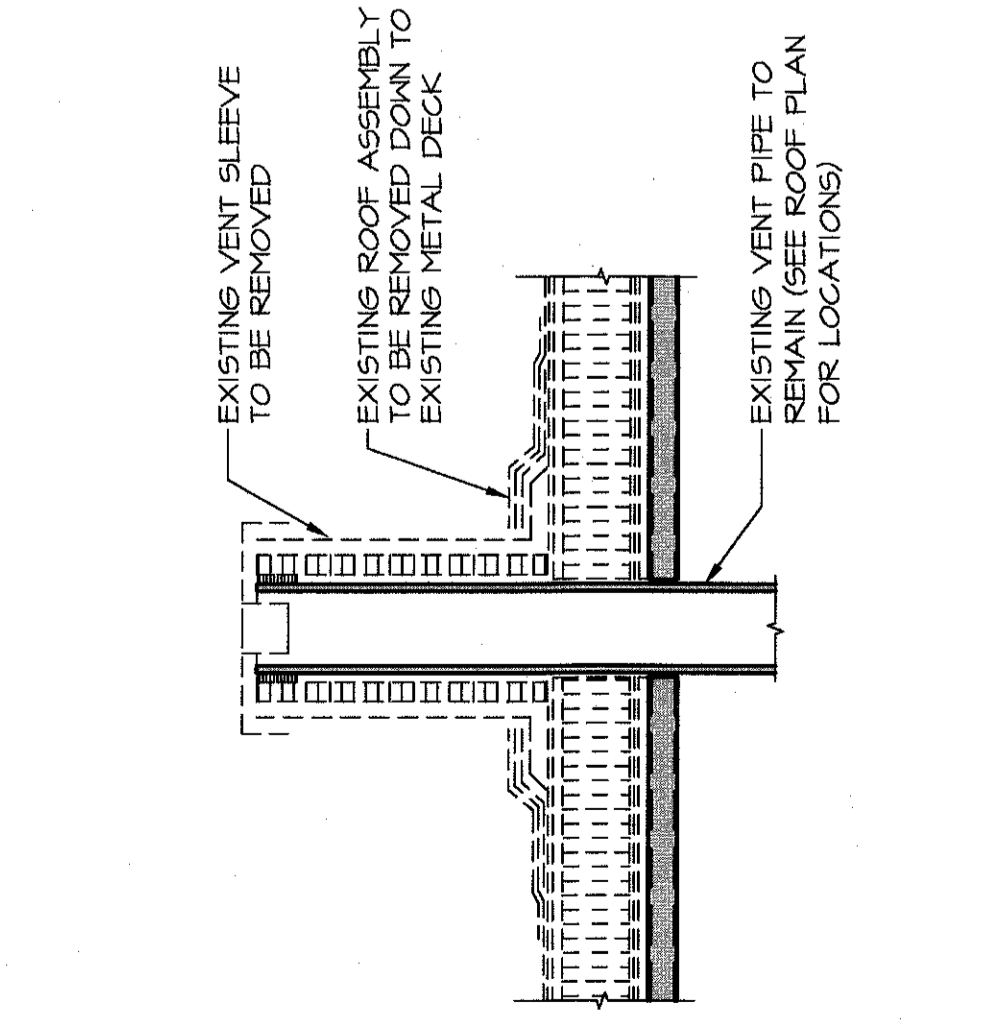
EXPANSION JOINT DETAIL
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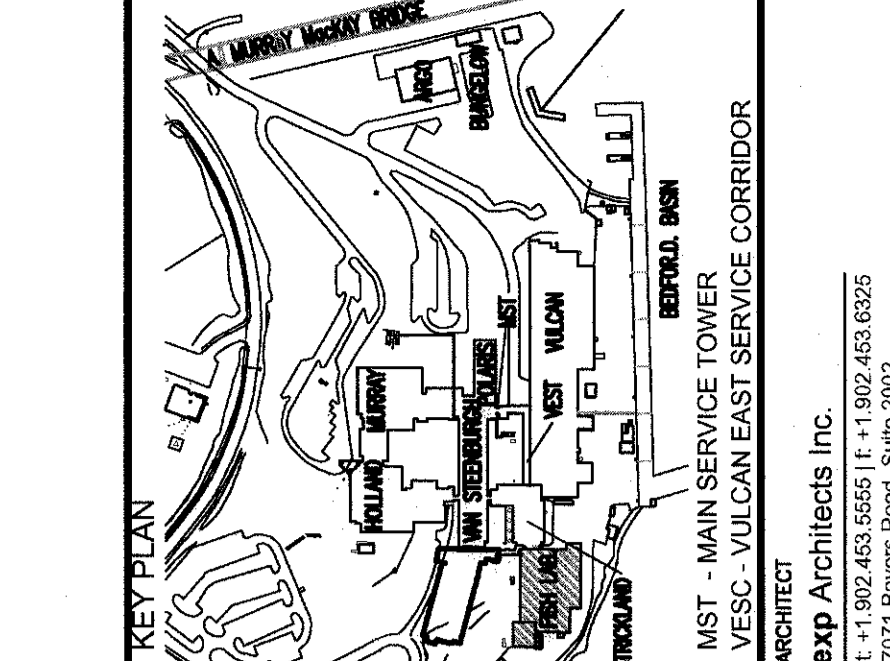
ROOF DRAIN DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



ROOF EDGE DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



VENT STACK DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



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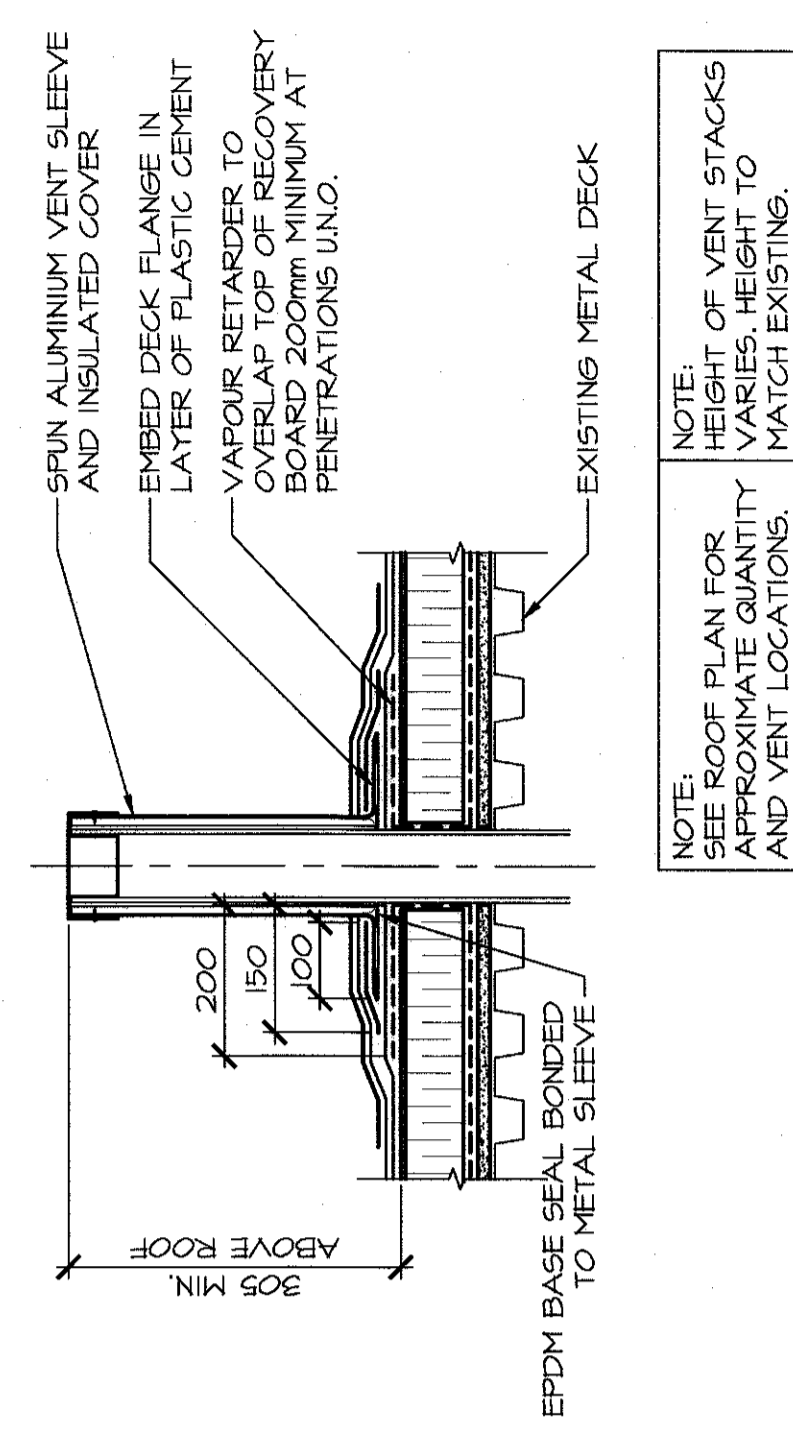
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ISSUED FOR TENDER	05/03/2016
revisions	0
project	BIO FISH LAB ROOF REPLACEMENT DARTMOUTH, NS

BIO FISH LAB
ROOF REPLACEMENT
DARTMOUTH, NS

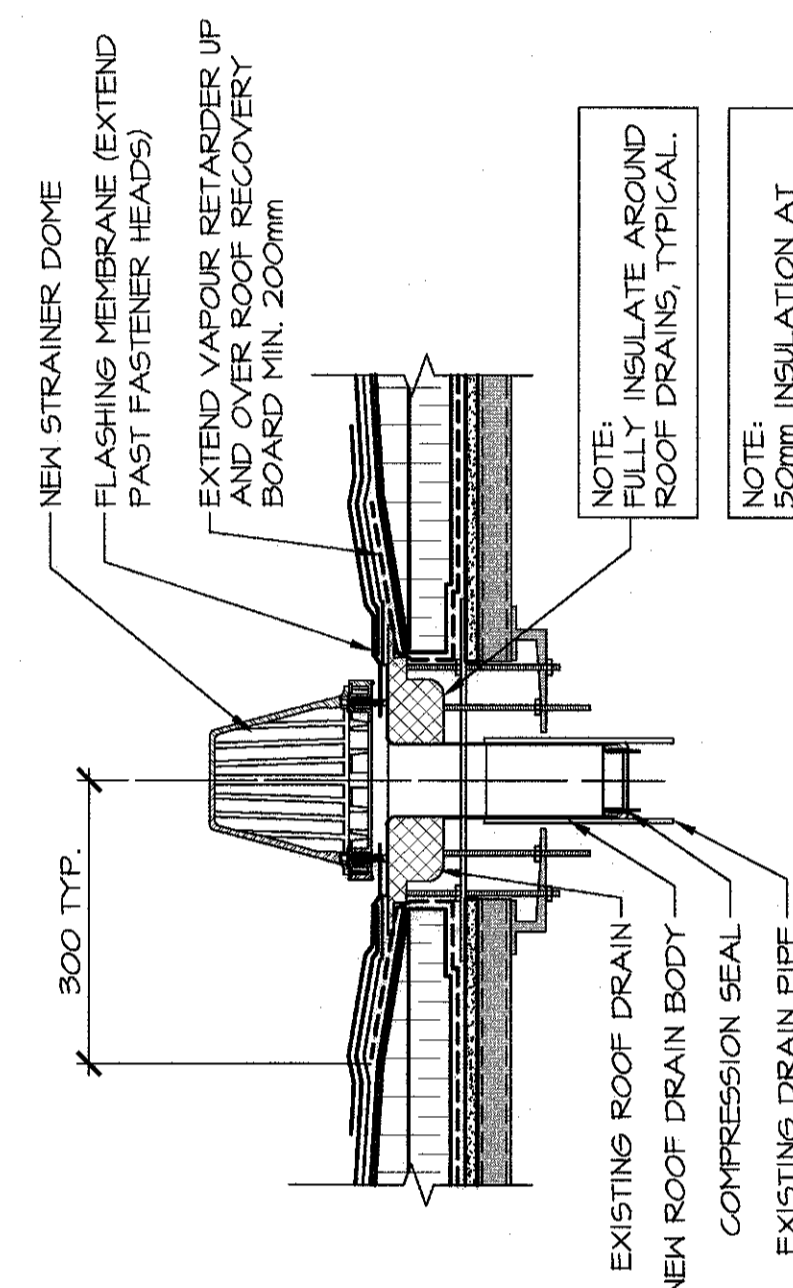
designed	ASD	2016 05 03
drawn	DRY/REM	2016 05 03
checked	DEC	2016 05 03
approved	DEC	2016 05 03
date	2016 05 03	
Project Manager	[Signature]	
Project Number	R.080317.001	
no. du projet	A-7	
no. du dessin	A-7	



NOTE:
SEE ROOF PLAN FOR APPROXIMATE QUANTITY AND VENT LOCATIONS. MATCH EXISTING.

NOTE:
HEIGHT OF VENT STACKS Varies, HEIGHT TO MATCH EXISTING.

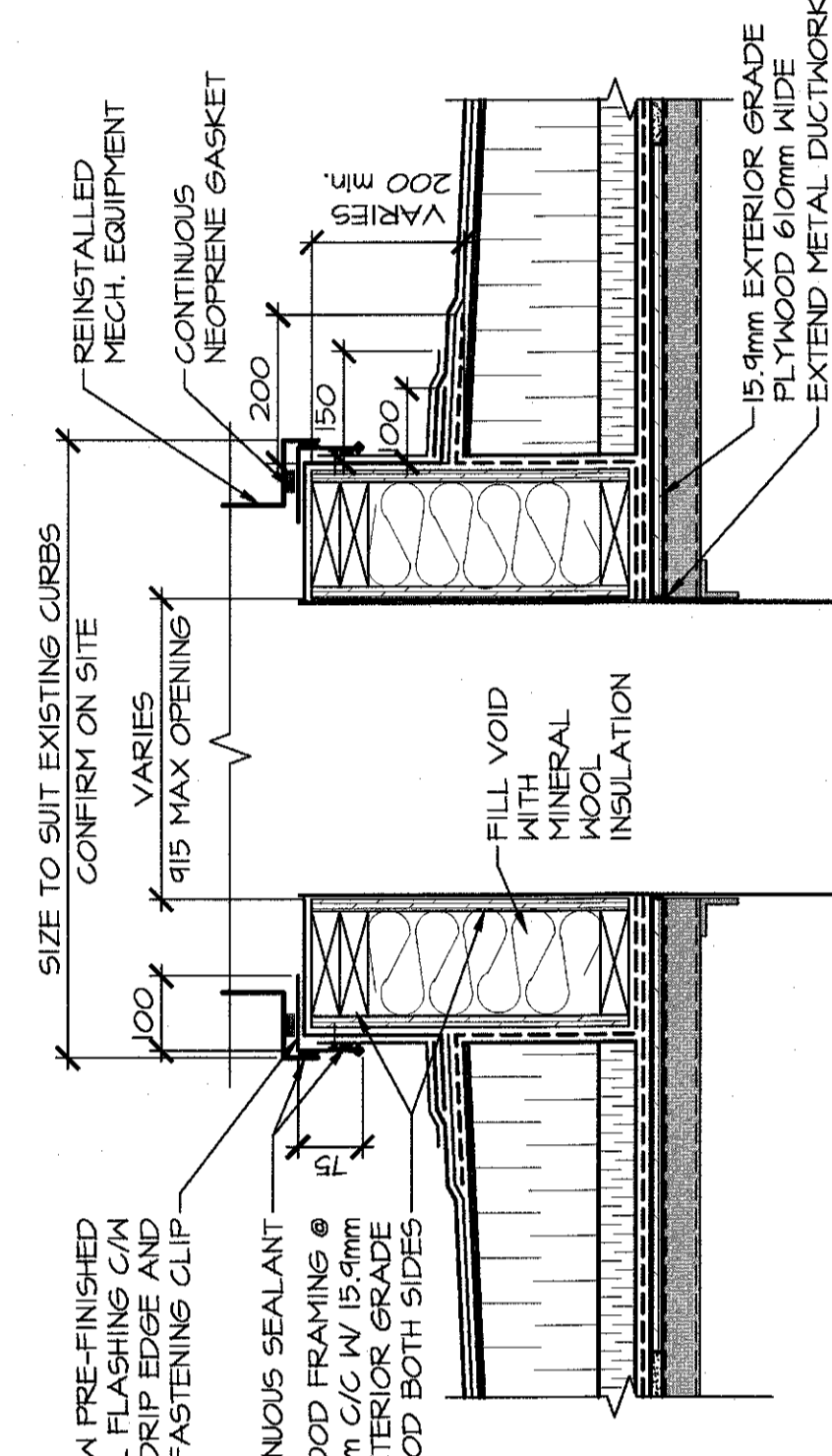
VENT STACK DETAIL
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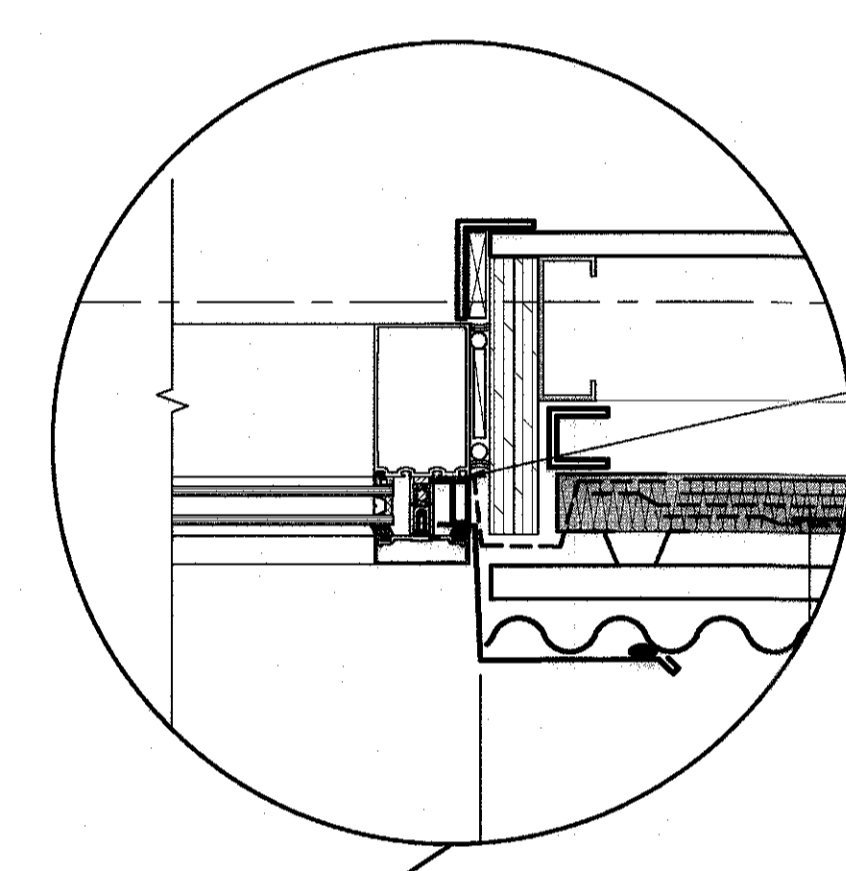
NOTE:
FULLY INSULATE AROUND ROOF DRAINS, TYPICAL.

NOTE:
INSULATION AT DRAINS, MINIMUM.

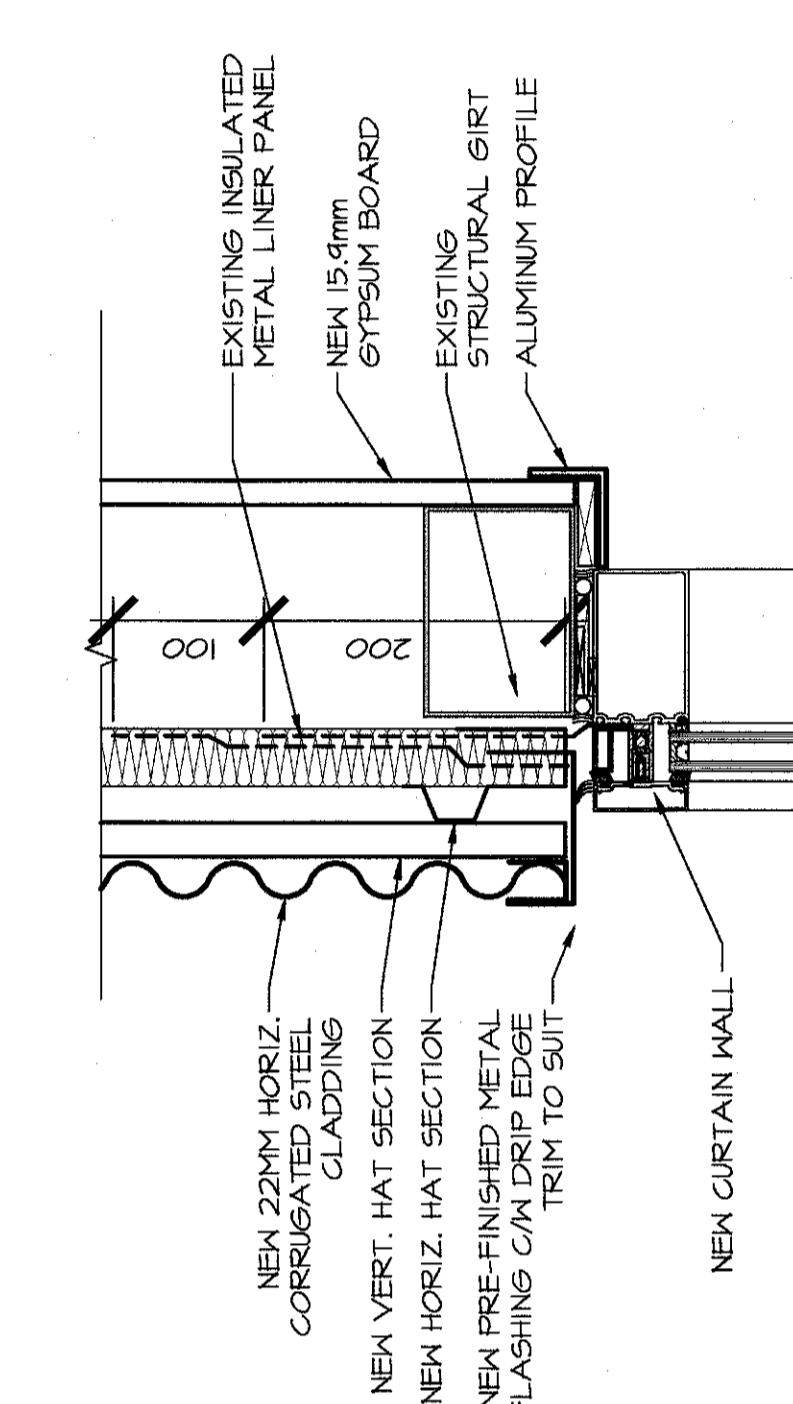
ROOF DRAIN DETAIL
SCALE : 1:10
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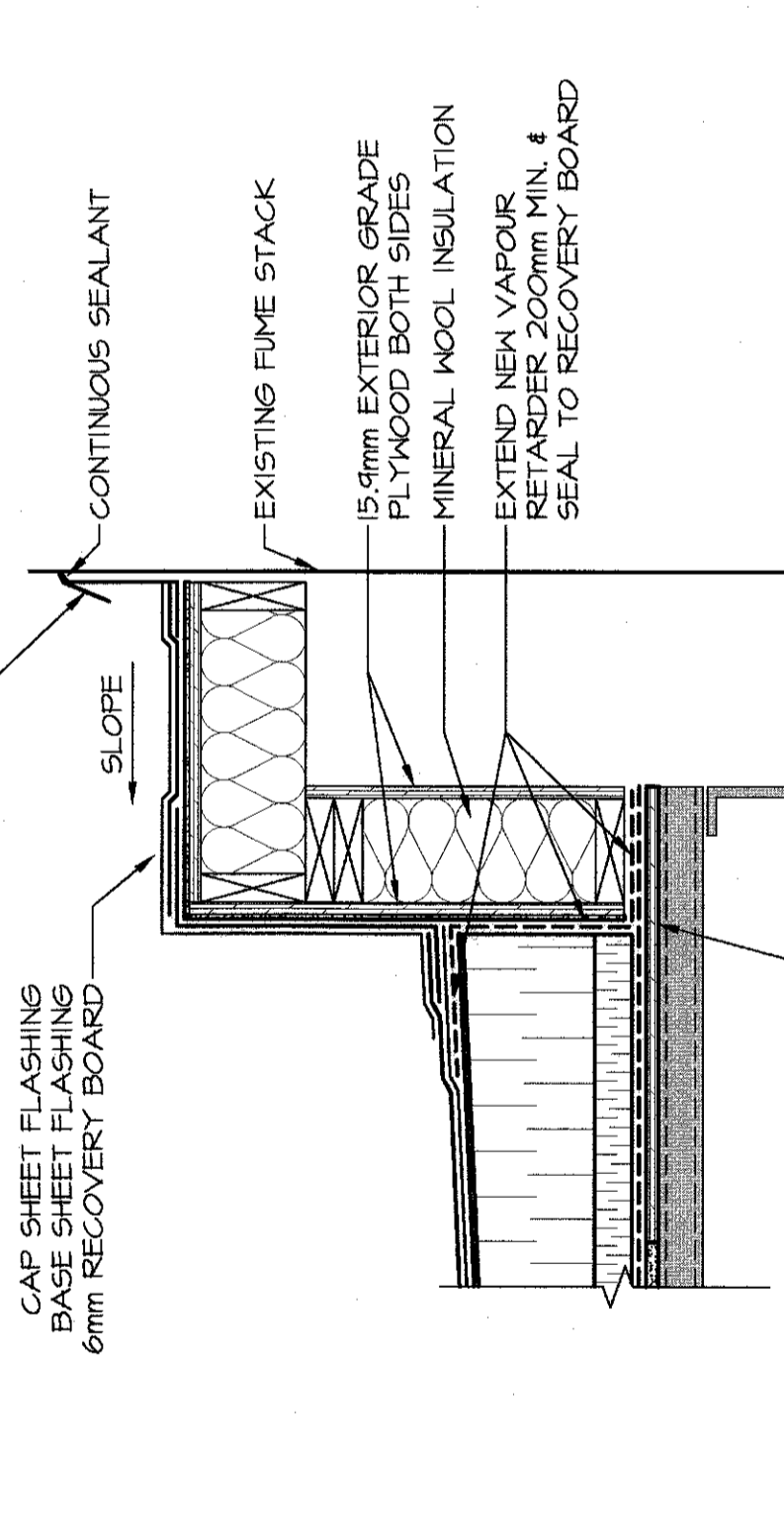
MECH. EQUIP. CURB DETAIL
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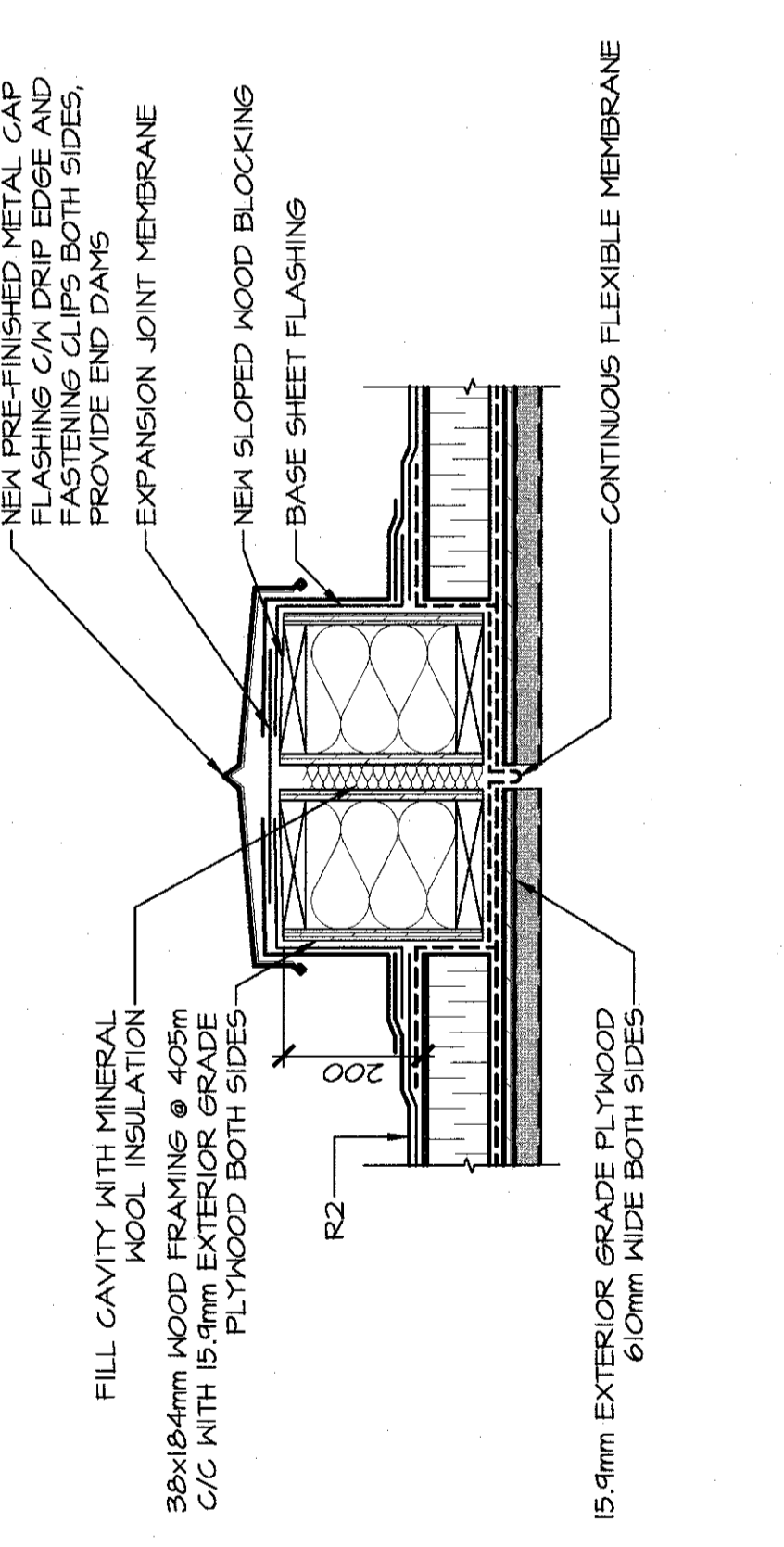
WINDOW HEAD DETAIL
SCALE: 1:5
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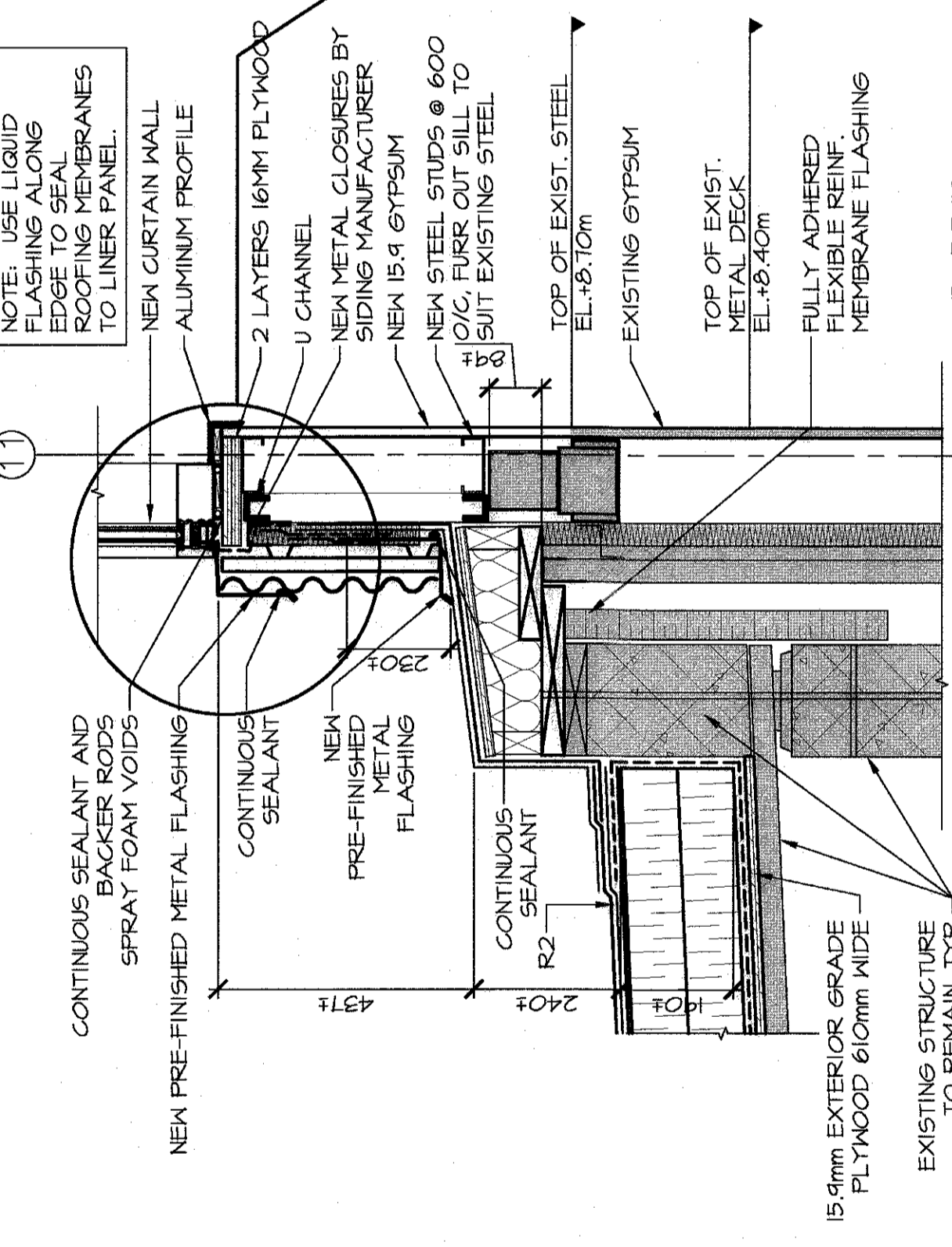
WINDOW JAMB DETAIL
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



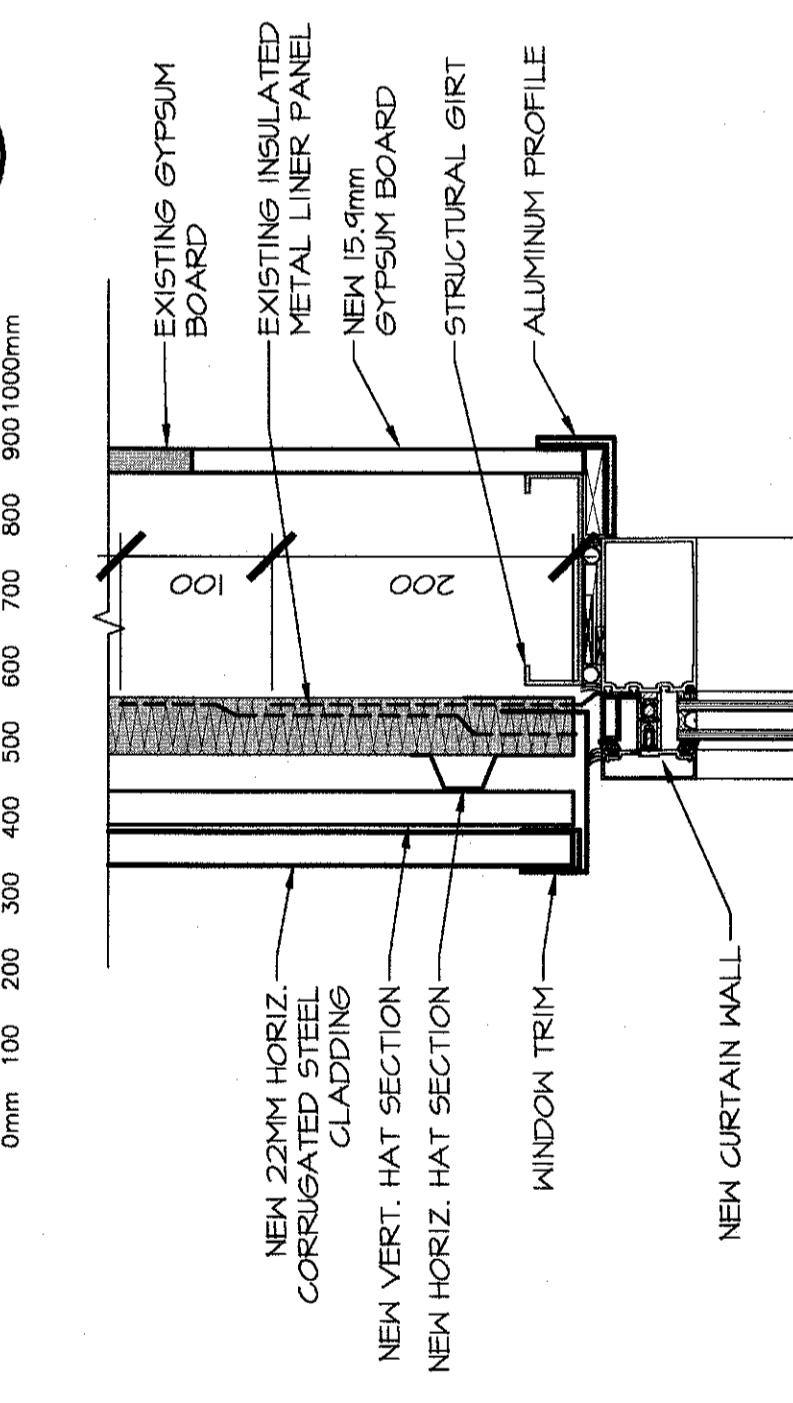
FUME STACK CURB DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



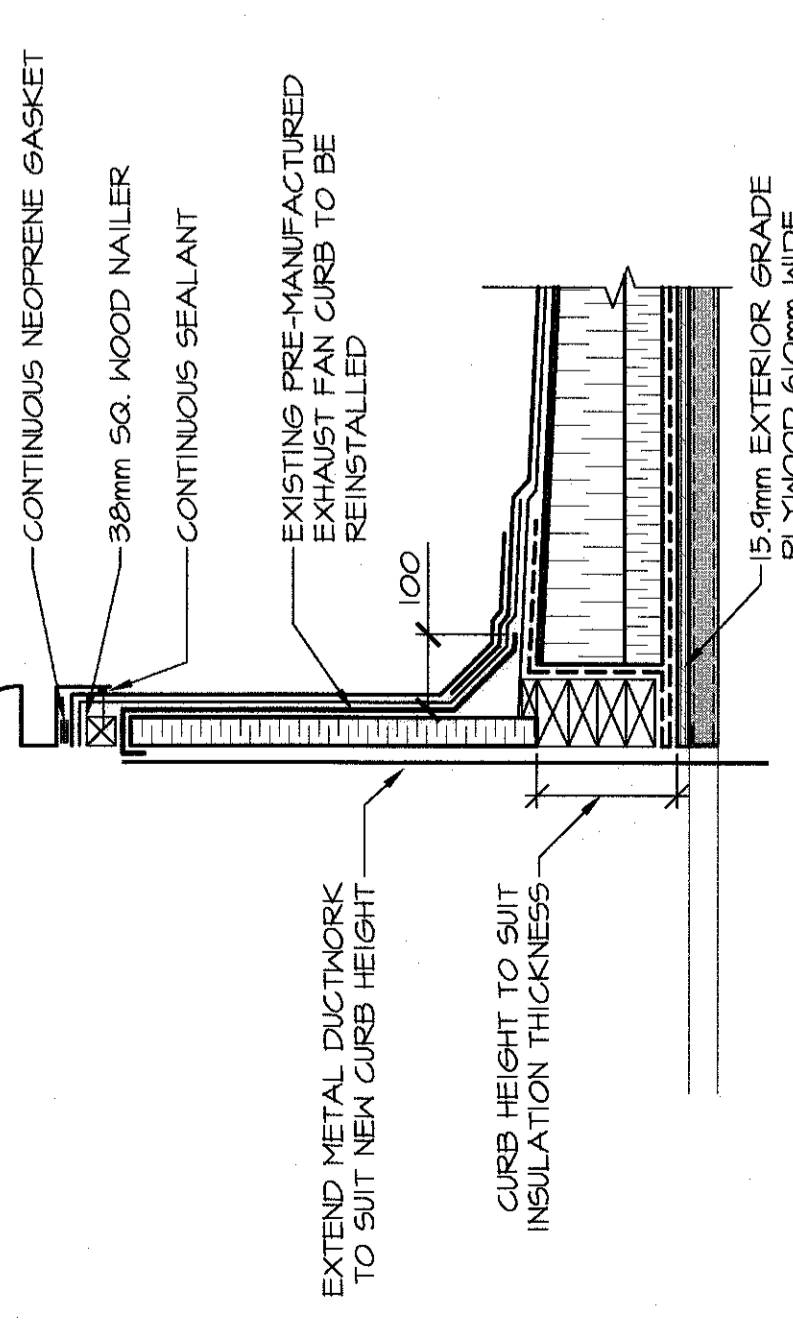
EXPANSION JOINT DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



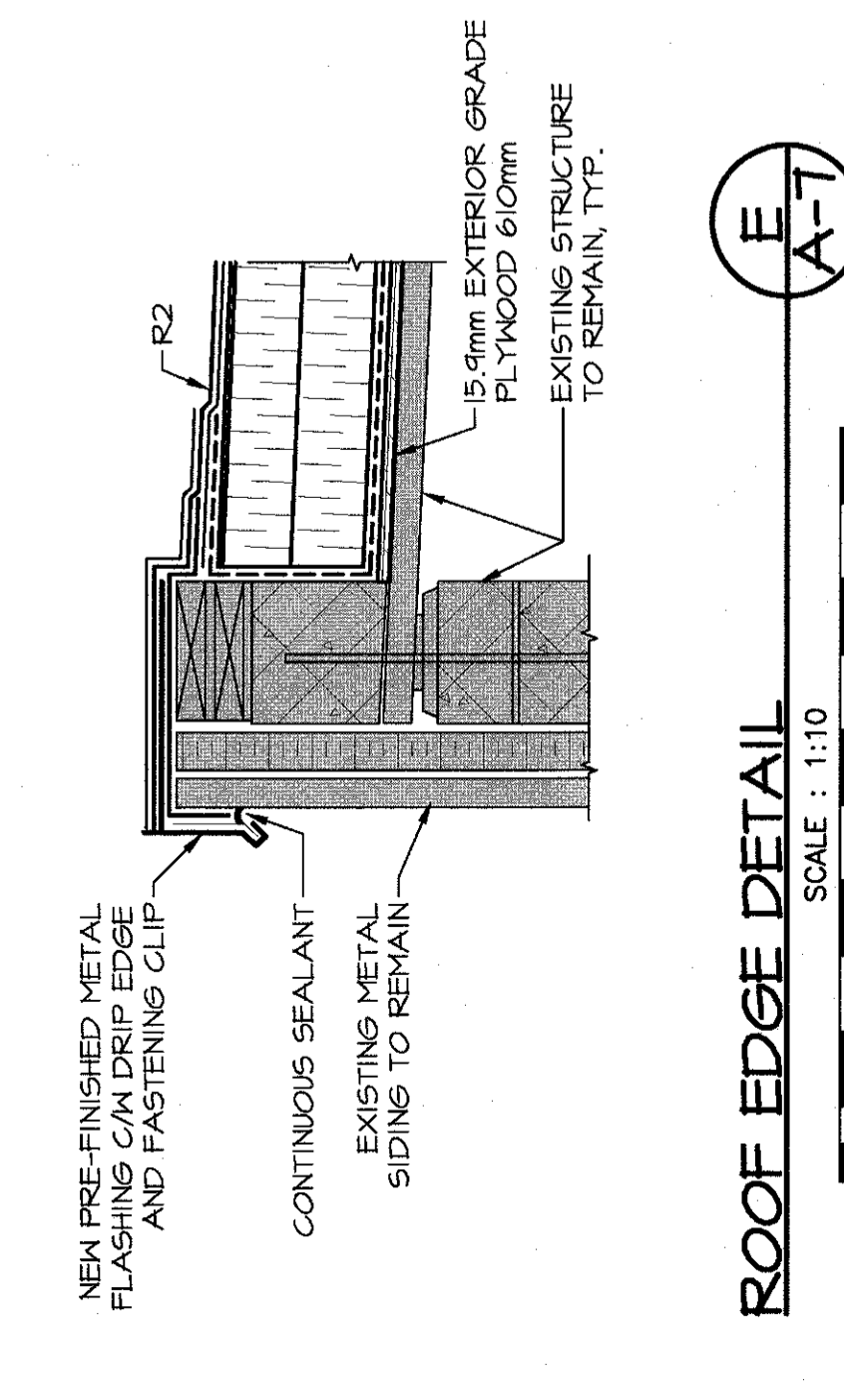
WINDOW / CURB DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



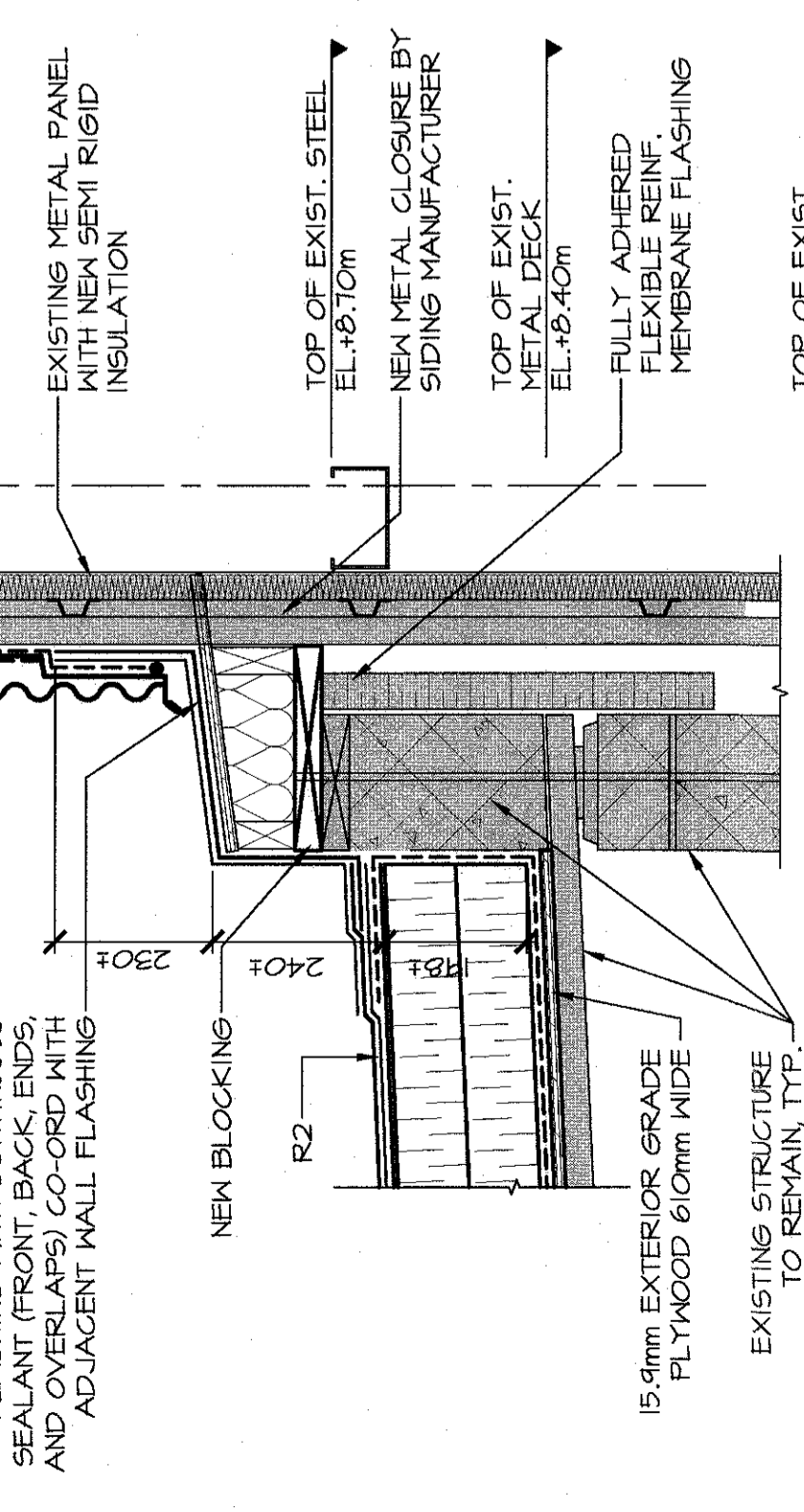
WINDOW JAMB DETAIL
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



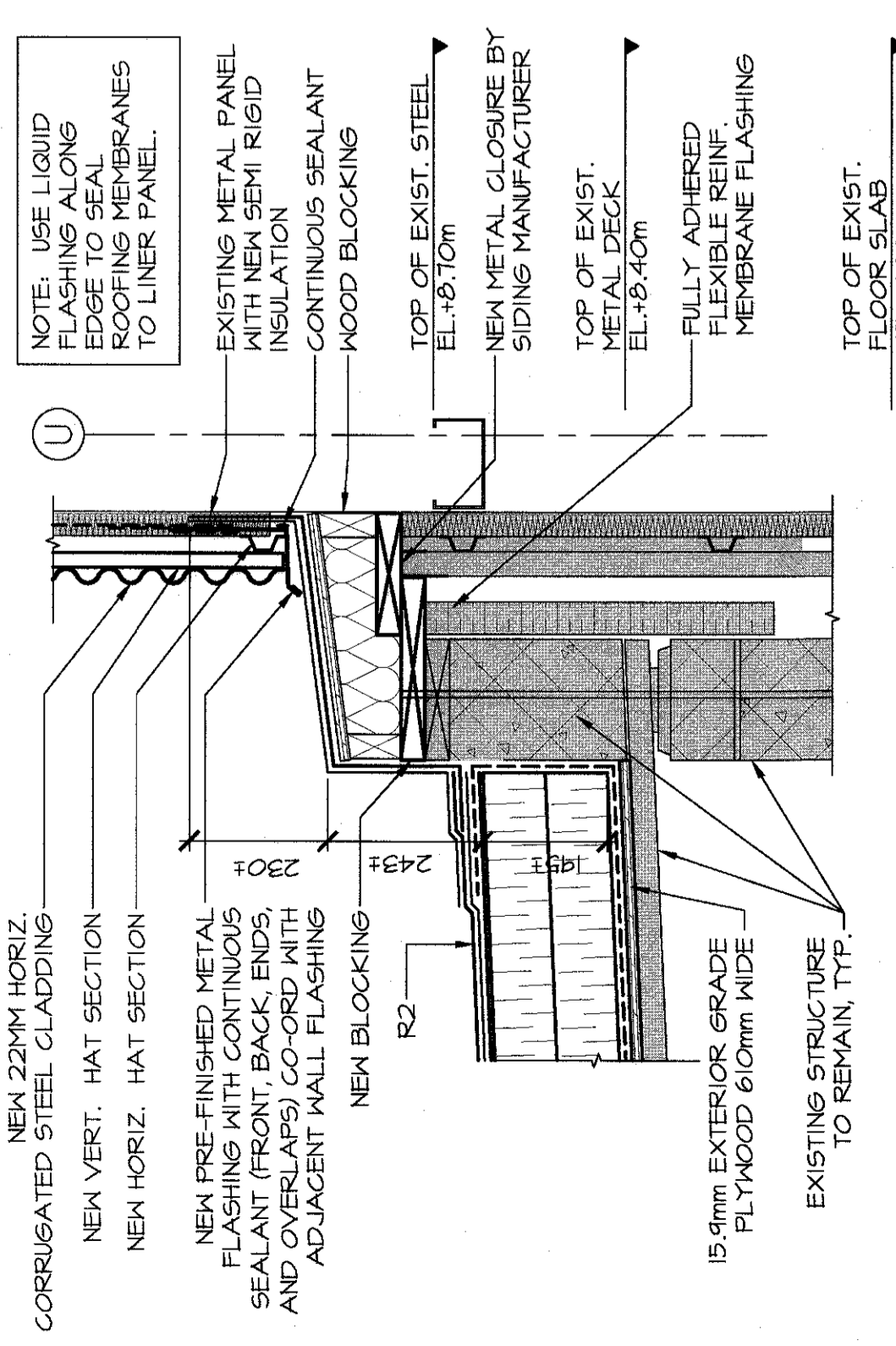
EXHAUST FAN CURB DETAIL
SCALE : 1:10
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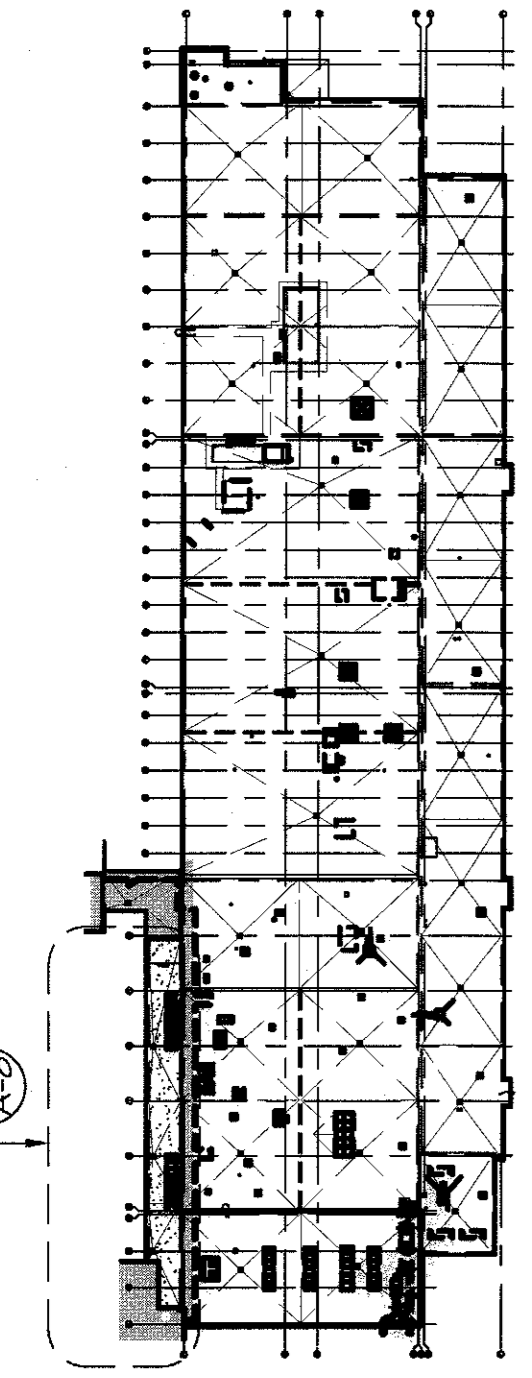
ROOF EDGE DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



WALL / ROOF CURB DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



WALL / ROOF CURB DETAIL
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



KEY PLAN

- EXISTING ROOF ASSEMBLIES:
- EXISTING ROOF ASSEMBLY TYPE 1L
 - ASPHALT AND GRAVEL ROOFING
 - TAPERED RIGID INSULATION
 - VAPOR BARRIER
 - PRE-CAST CONCRETE HOLLOW SLABS
- NEW ROOF ASSEMBLY TYPE 1L
- CAP SHEET MEMBRANE AND FLASHINGS
 - BASE SHEET MEMBRANE AND FLASHINGS
 - 2mm RECOVERY BOARD
 - 2 LAYERS RIGID INSULATION (FLAT AND TAPERED)
 - 1 LAYER RIGID INSULATION (FLAT AND TAPERED)
 - MOD BIT PRIMER
 - EXISTING HOLLOW CONCRETE SLAB

GENERAL CONSTRUCTION NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS AND GENERAL CONTRACTUAL CONDITIONS.
2. ALL DIMENSIONS AND EXISTING CONDITIONS ARE TO BE VERIFIED ON SITE AND ALL DISCREPANCIES REPORTED TO THE ARCHITECT IMMEDIATELY. DIMENSIONS AND AGREED UPON PRIOR TO PROCEEDING. DO NOT SCALE THESE DRAWINGS FOR CONSTRUCTION PURPOSES. USE FIGURED DIMENSIONS AS NOTED.
3. PROTECT EXISTING FINISHES, EQUIPMENT AND SYSTEMS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. PROTECT EXISTING LANDSCAPED AREAS AROUND PERIMETER OF BUILDING FROM DAMAGE. REPAIR AND RESTORE ALL DAMAGED AREAS AS REQUIRED FOLLOWING INSTALLATION OF THE NEW WORK. COORDINATE SITE ACCESS & CONTAINER STORAGE / DUMPSTER LOCATION WITH DEPARTMENTAL REPRESENTATIVE.
4. INSTALL PRODUCTS AS PER MANUFACTURERS INSTRUCTIONS / RECOMMENDATIONS, UNLESS NOTED OTHERWISE.

DEMOLITION NOTES:

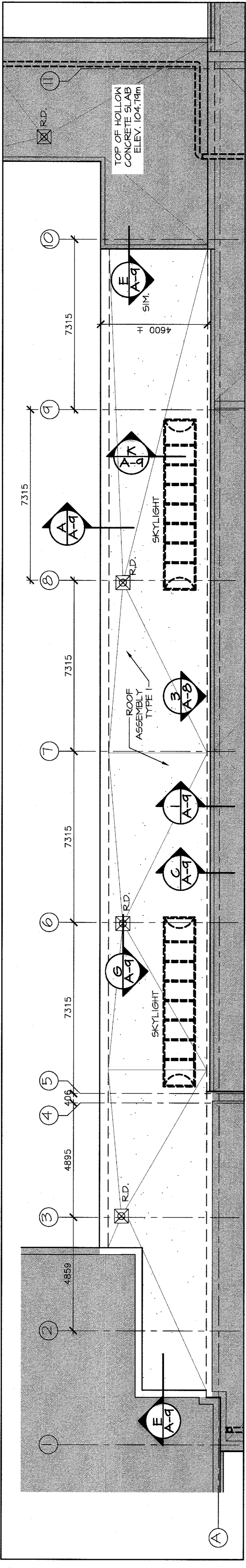
1. REMOVE EXISTING ROOF ASSEMBLY IN ITS ENTIRETY DOWN TO PERFORM CONCRETE SLAB INCLUDING EXISTING VAPOR BARRIER.
2. REMOVE ALL EXISTING FLASHINGS, TERMINATION BARS, BRACES AND ACCESSORIES. COORDINATE REMOVALS WITH ADJACENT TRADES. NEAREST JOINT OR FRAMING BACKUP AND MAKE READY FOR NEW WORK. PERFORM ALL CUTTING AND PATCHING NECESSARY TO CARRY OUT THE WORK OF ALL TRADES.
3. PRIOR TO DEMOLITION OF EXISTING ASSEMBLIES, COORDINATE ANY REMOVALS OF EXISTING SERVICES WITH DEPARTMENTAL REPRESENTATIVE.
5. REMOVE EXISTING SKYLIGHTS AND CURBS AS NOTED ON PLANS. ENCLOSE OPENINGS AS REQUIRED DURING CONSTRUCTION TO PROVIDE WEATHER TIGHTNESS UNIT WORK IS COMPLETED.

EXISTING ROOF LEGEND:

- ROOF SLOPE DIRECTION
- ROOF DRAINS (TO BE RETROFITTED WITH NEW DRAINS)
- EXISTING SKYLIGHTS AND CURBS TO BE REMOVED AND OPENINGS TO BE INFILLED
- AREA NOT IN CONTRACT

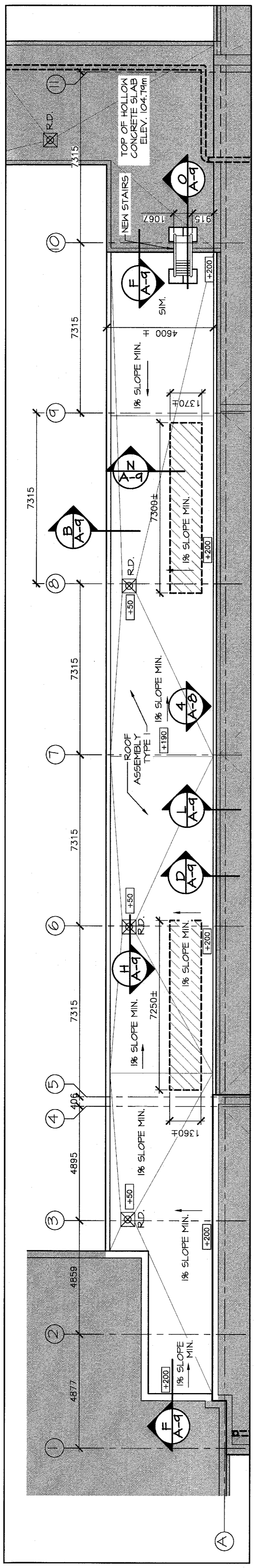
NEW ROOF LEGEND:

- RETROFIT DRAINS ARE TO BE INSTALLED
- EXISTING DRAIN LOCATIONS. PROVIDE NEW DRAIN SUMP AROUND ALL ROOF DRAINS.
- INSULATION THICKNESS
- NEW METAL DECK INFILL
- AREA NOT IN CONTRACT



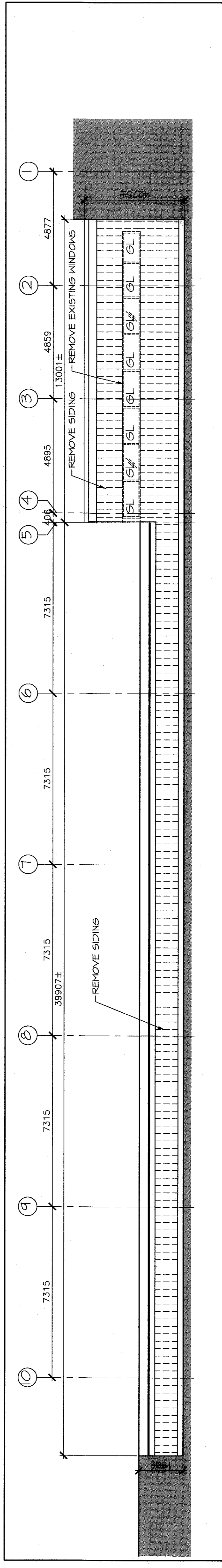
PARTIAL EXISTING ROOF PLAN (A-B)

SCALE : 1:100



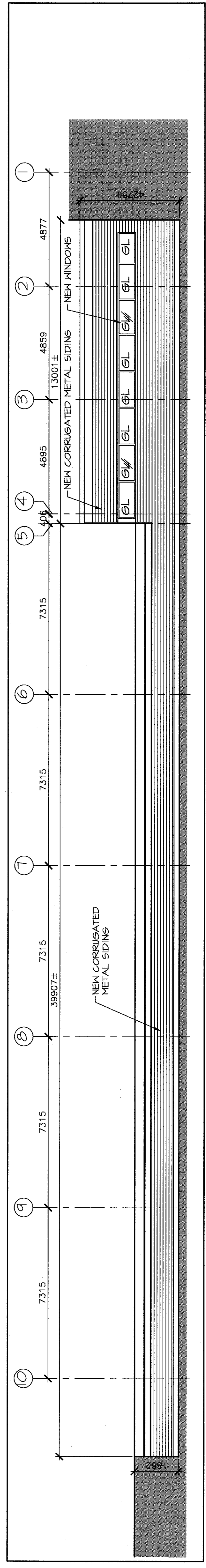
PARTIAL NEW ROOF PLAN (A-B)

SCALE : 1:100



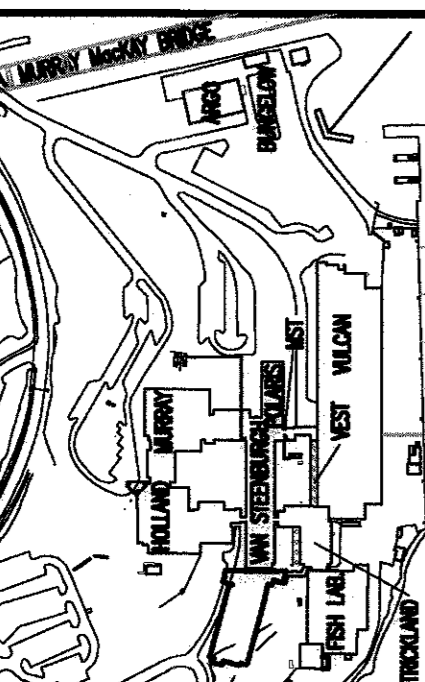
PARTIAL EXISTING ELEVATION (A-B)

SCALE : 1:100



PARTIAL NEW ELEVATION (A-B)

SCALE : 1:100



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revisions	date	project
0	ISSUED FOR TENDER	05/03/2015

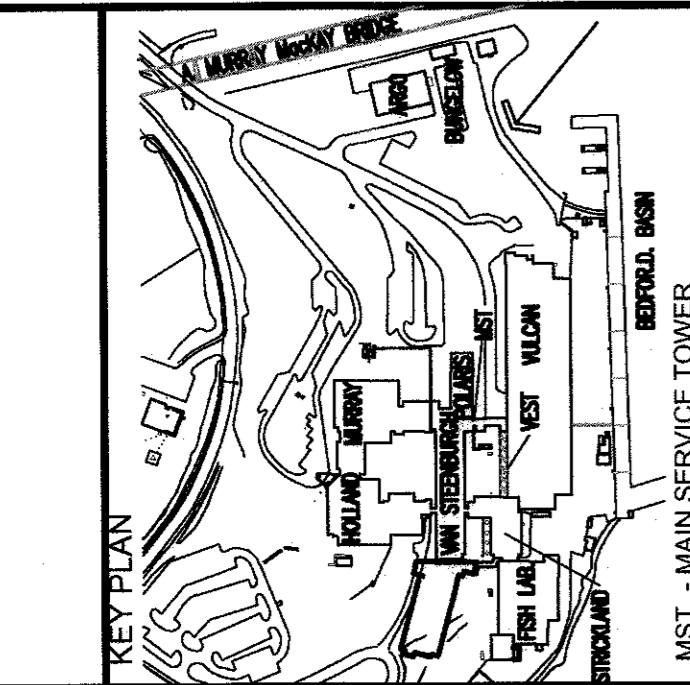
**BIO FISH LAB
ROOF REPLACEMENT
DARTMOUTH, NS**

**DEMOLITION & NEW
PARTIAL ROOF PLANS
LOWER VULCAN**

designed ASD
checked ASD
date 2016 05 03
drawn DRB/REM
date 2016 05 03
approved DEG
date 2016 05 03

Project Manager
Administrateur de projets
Project number
R.080317.001

drawing no. A-8
no. du dessin



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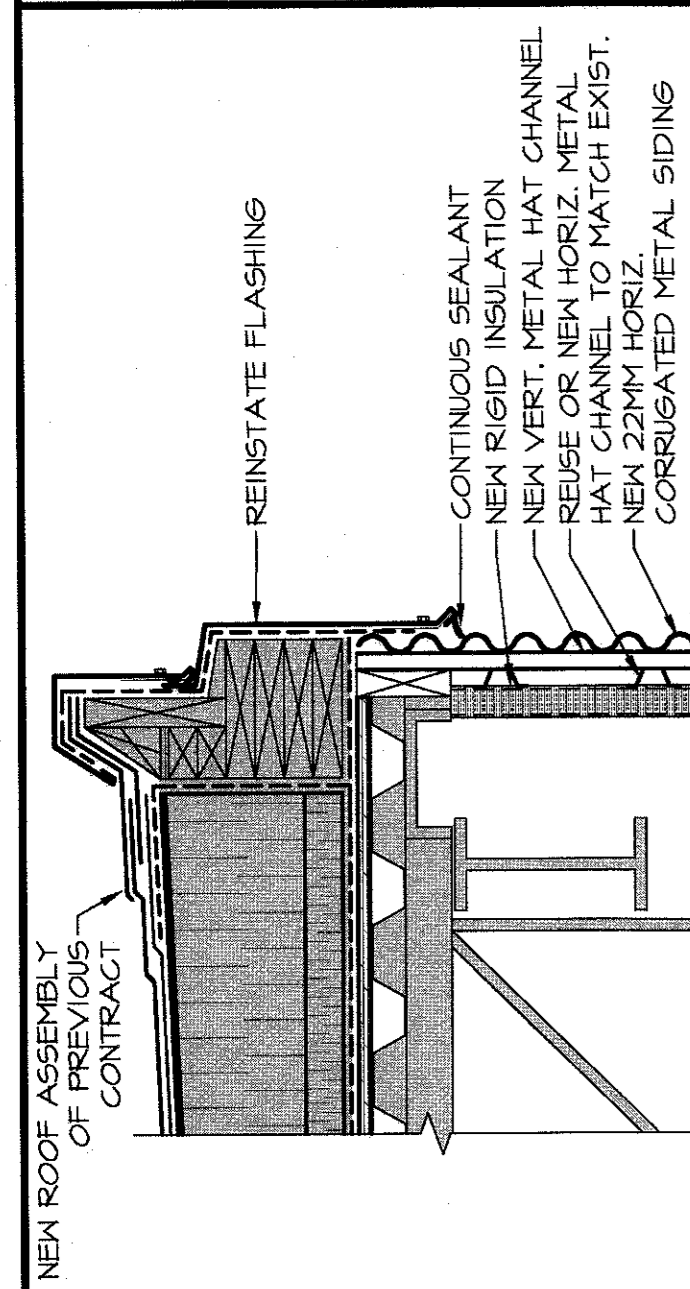
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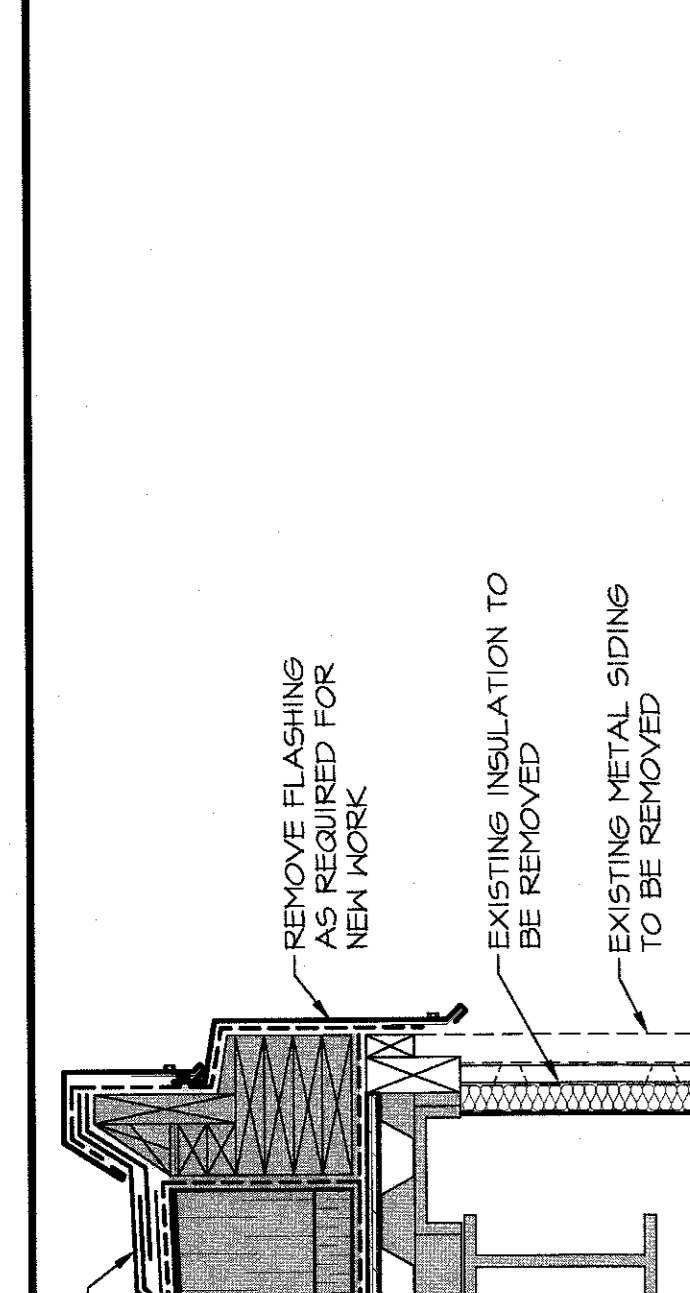
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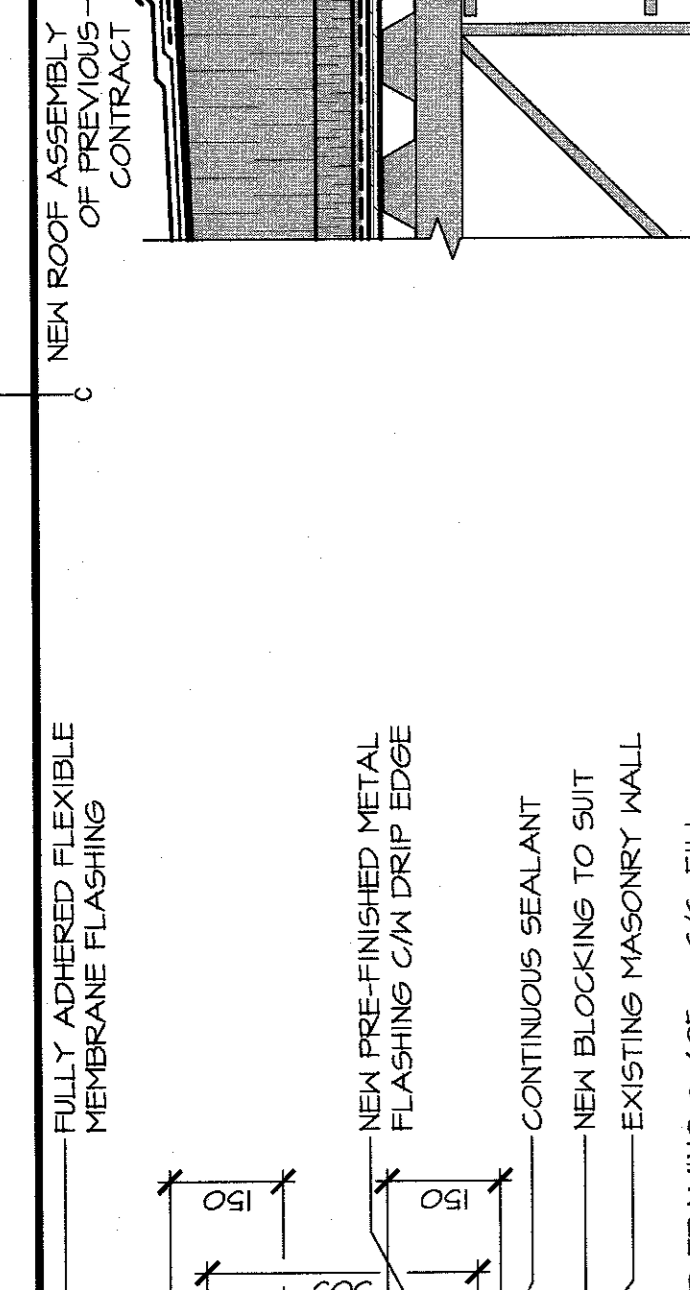
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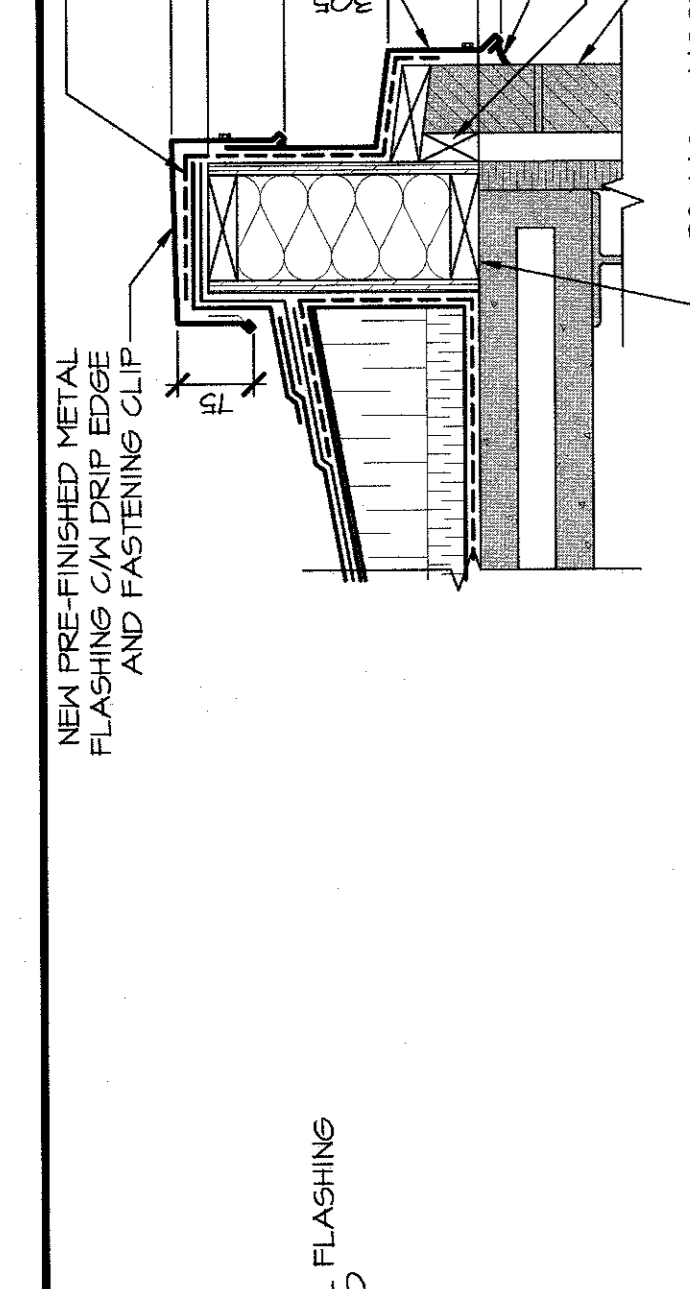
NEW ROOF ASSEMBLY OF PREVIOUS CONTRACT
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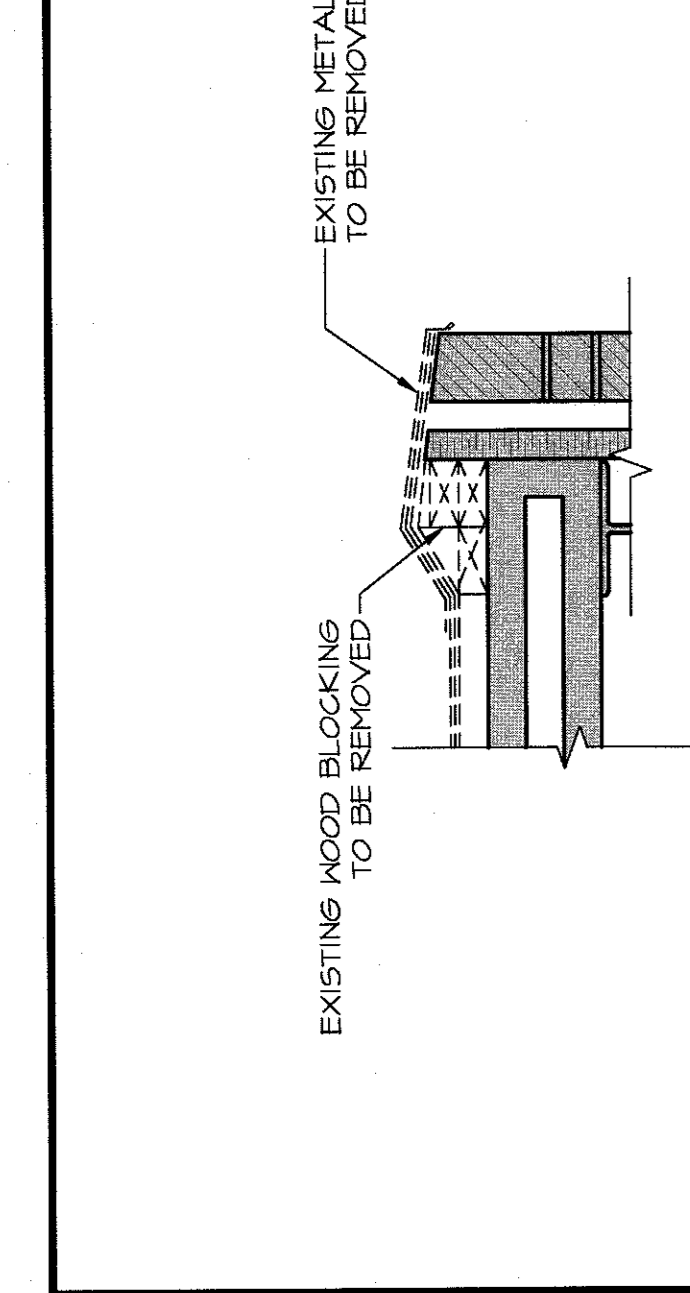
NEW ROOF EDGE DETAIL (A-g)
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EXISTING ROOF EDGE DETAIL (C)
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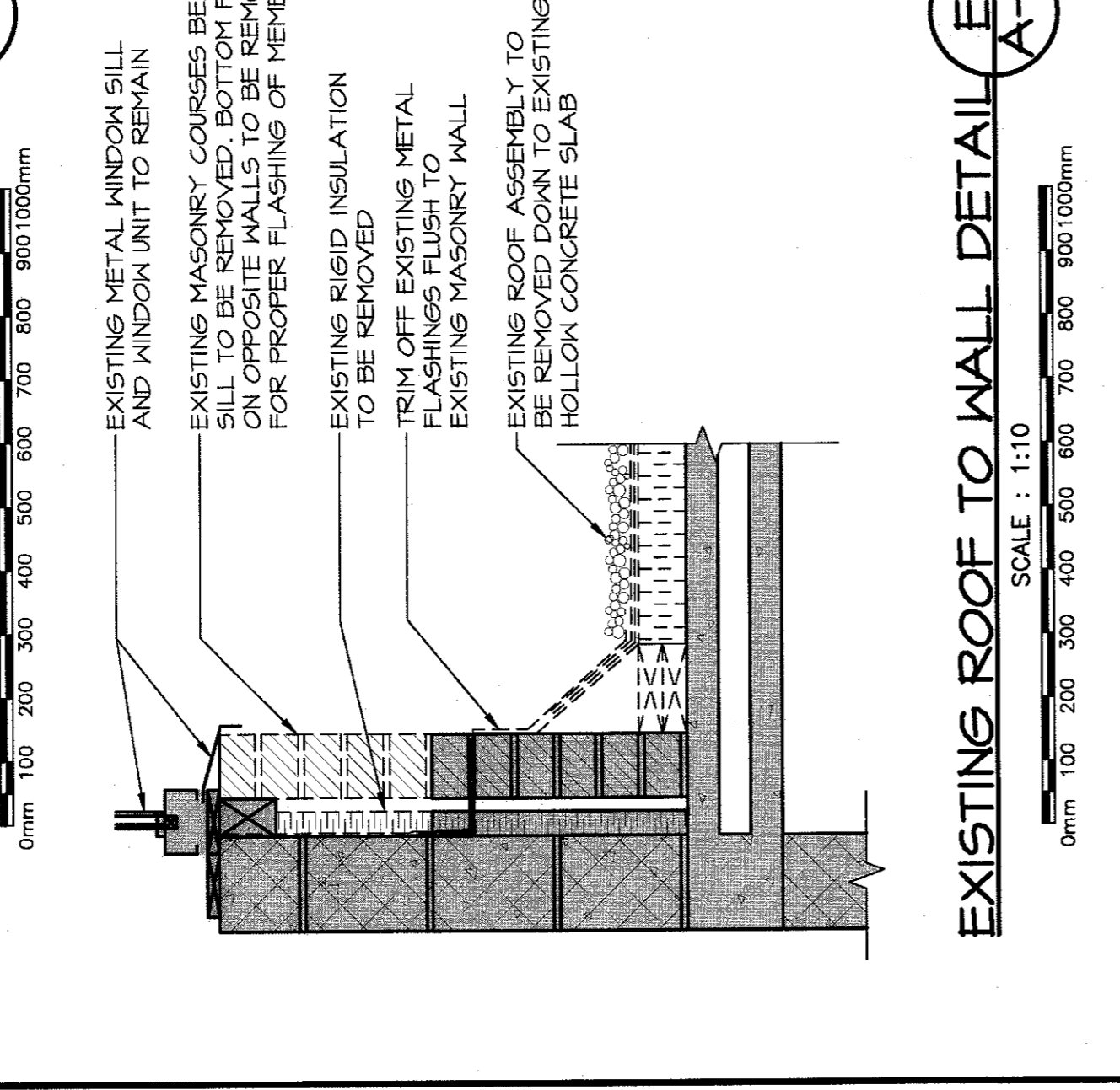
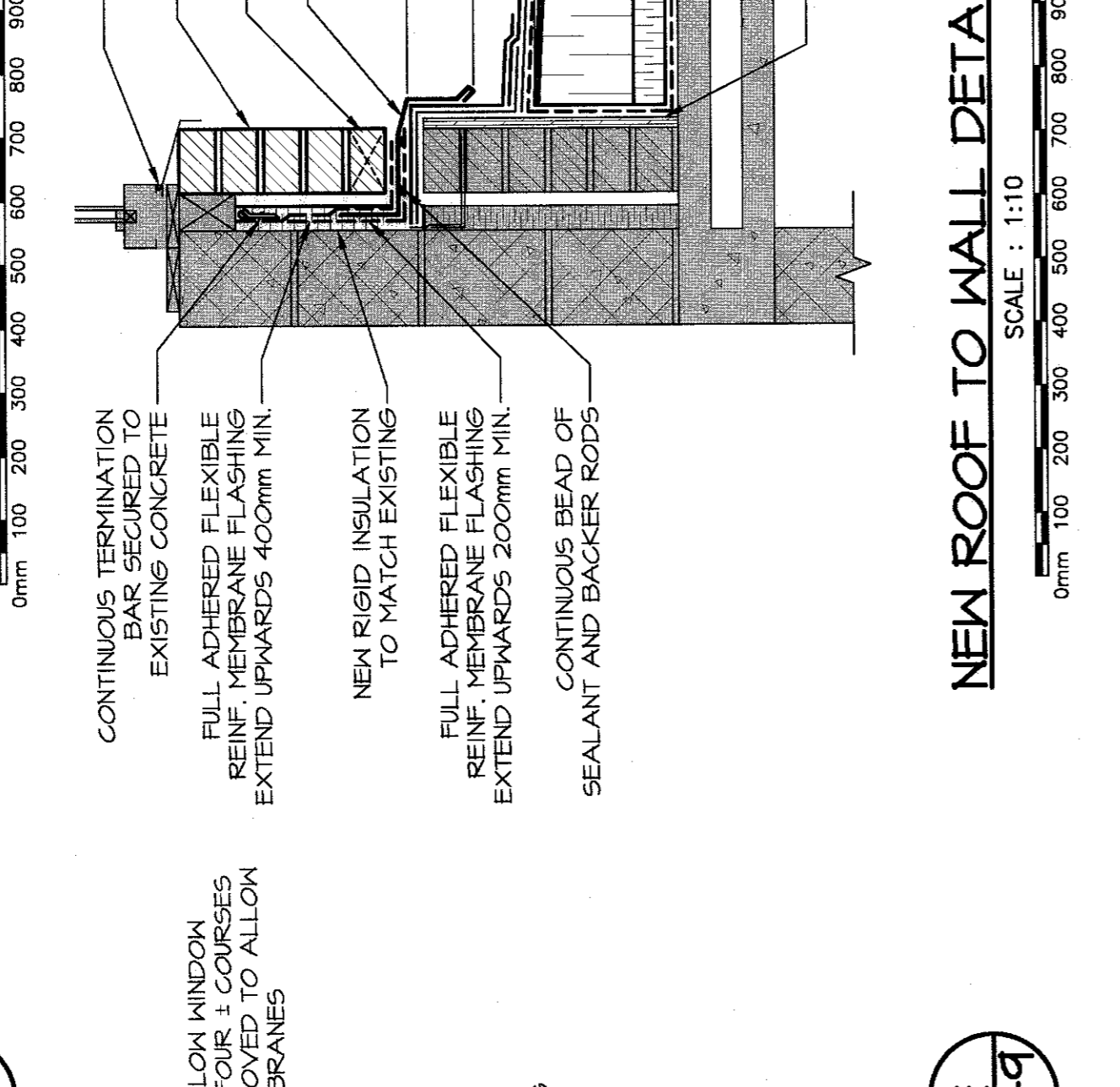
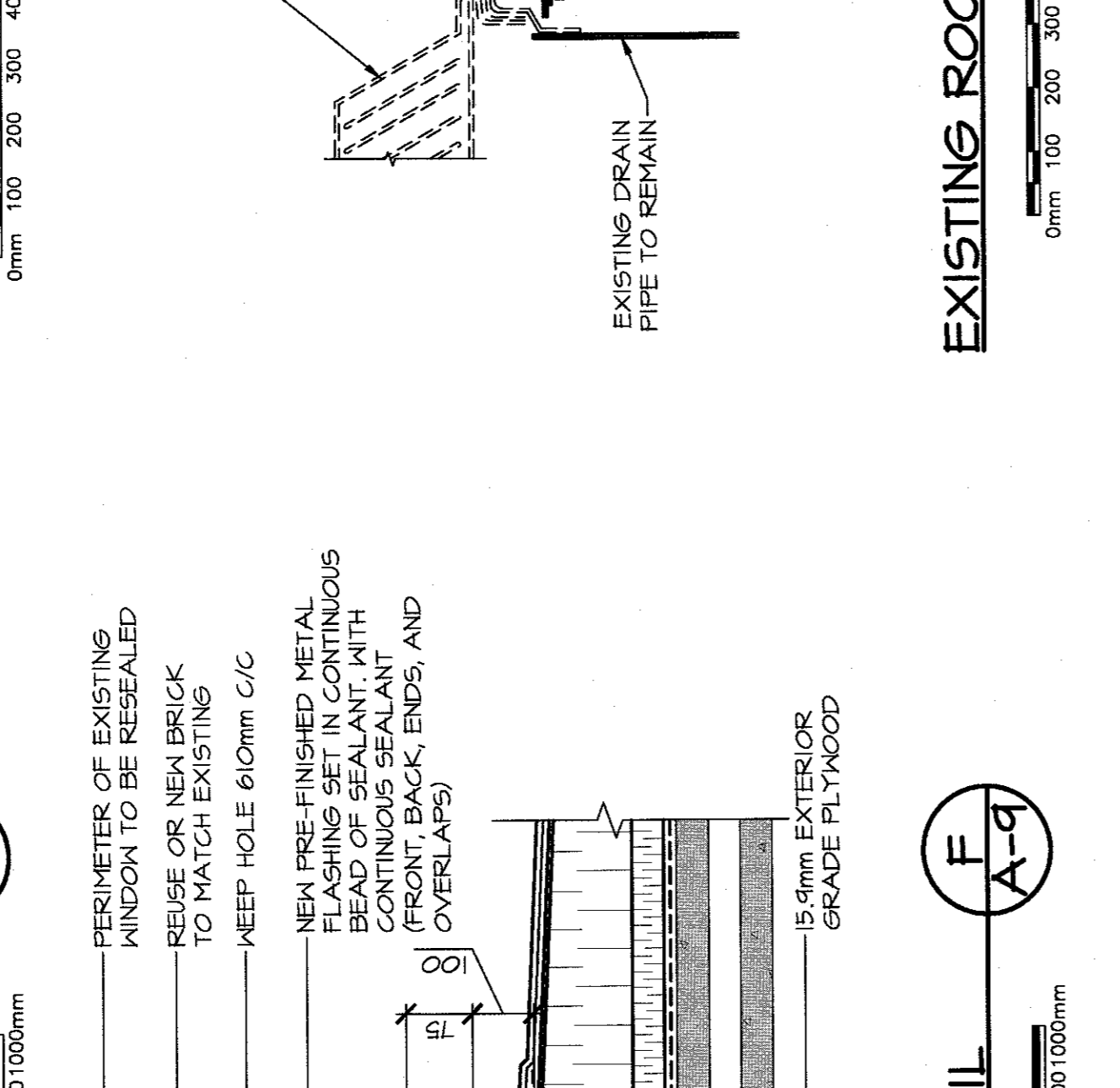
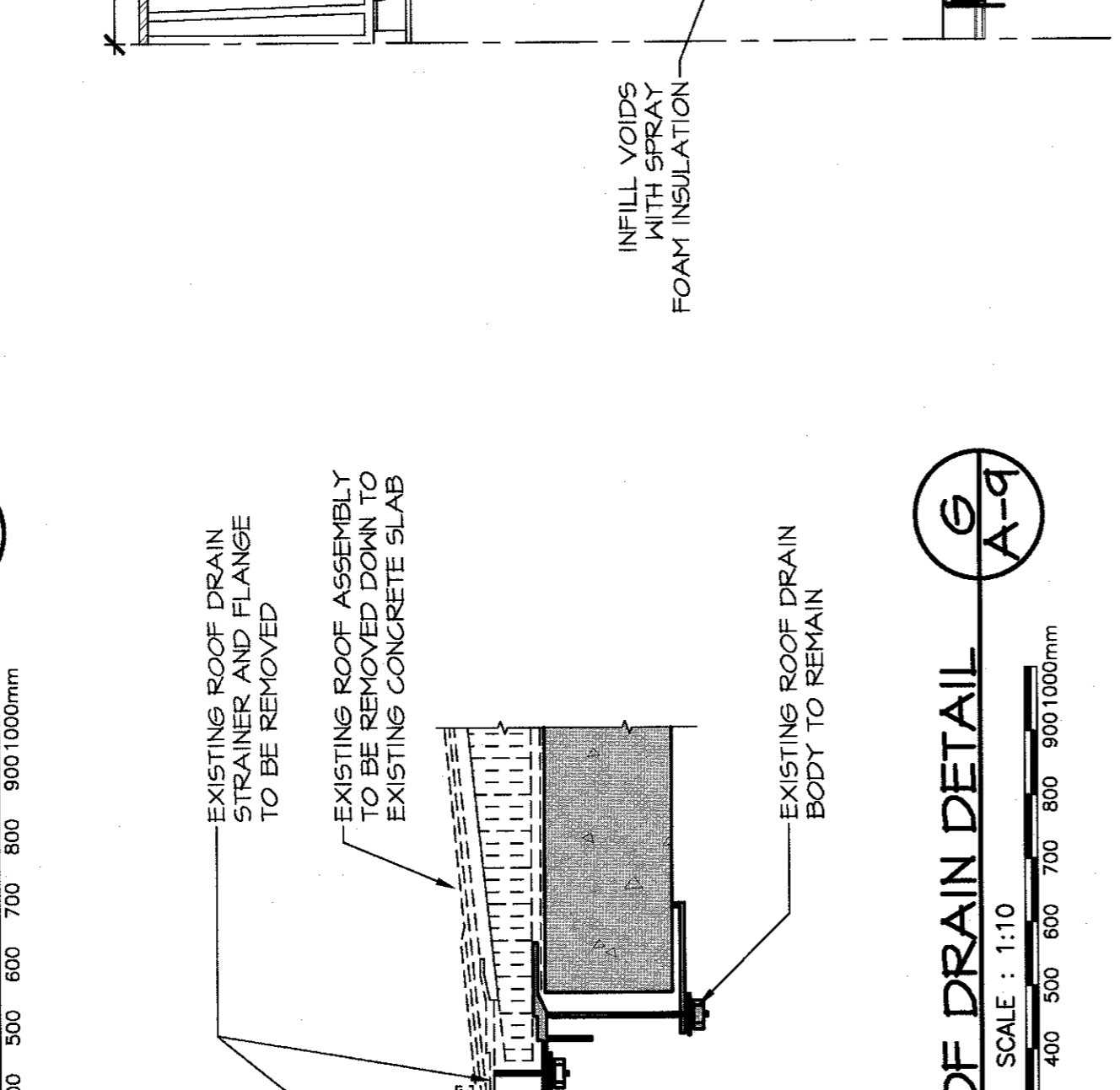
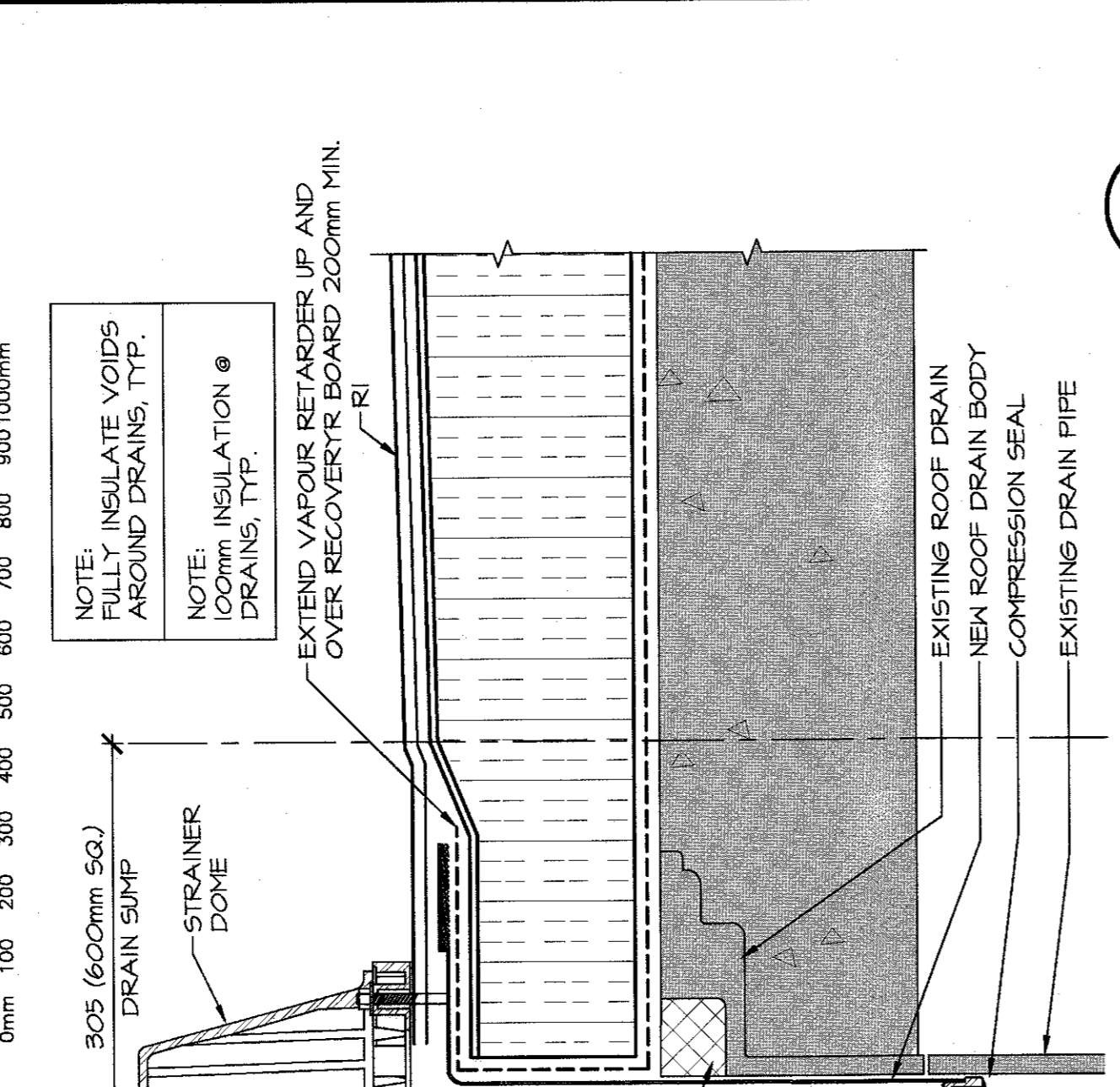
NEW ROOF TO WALL DETAIL (A-g)
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



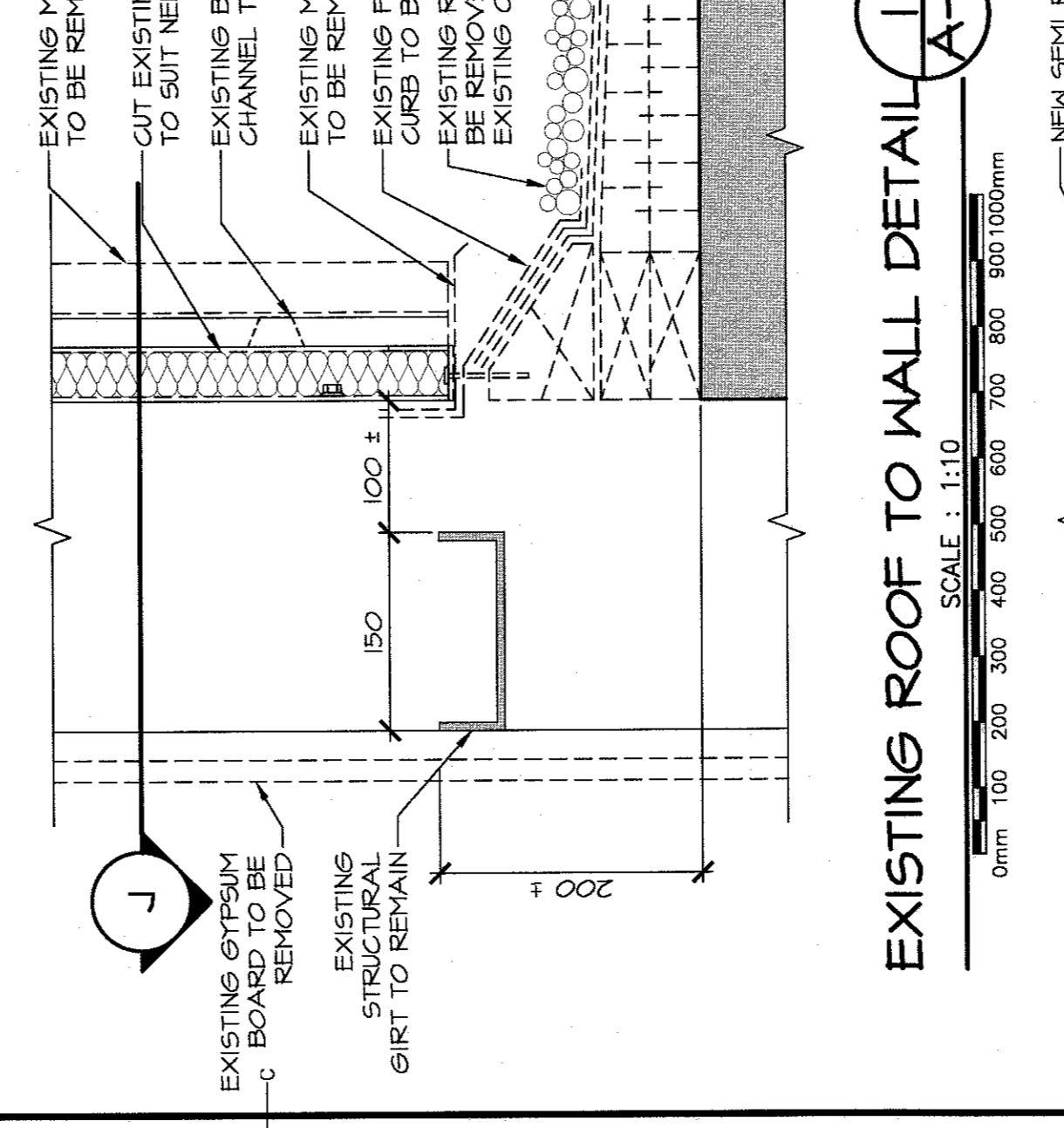
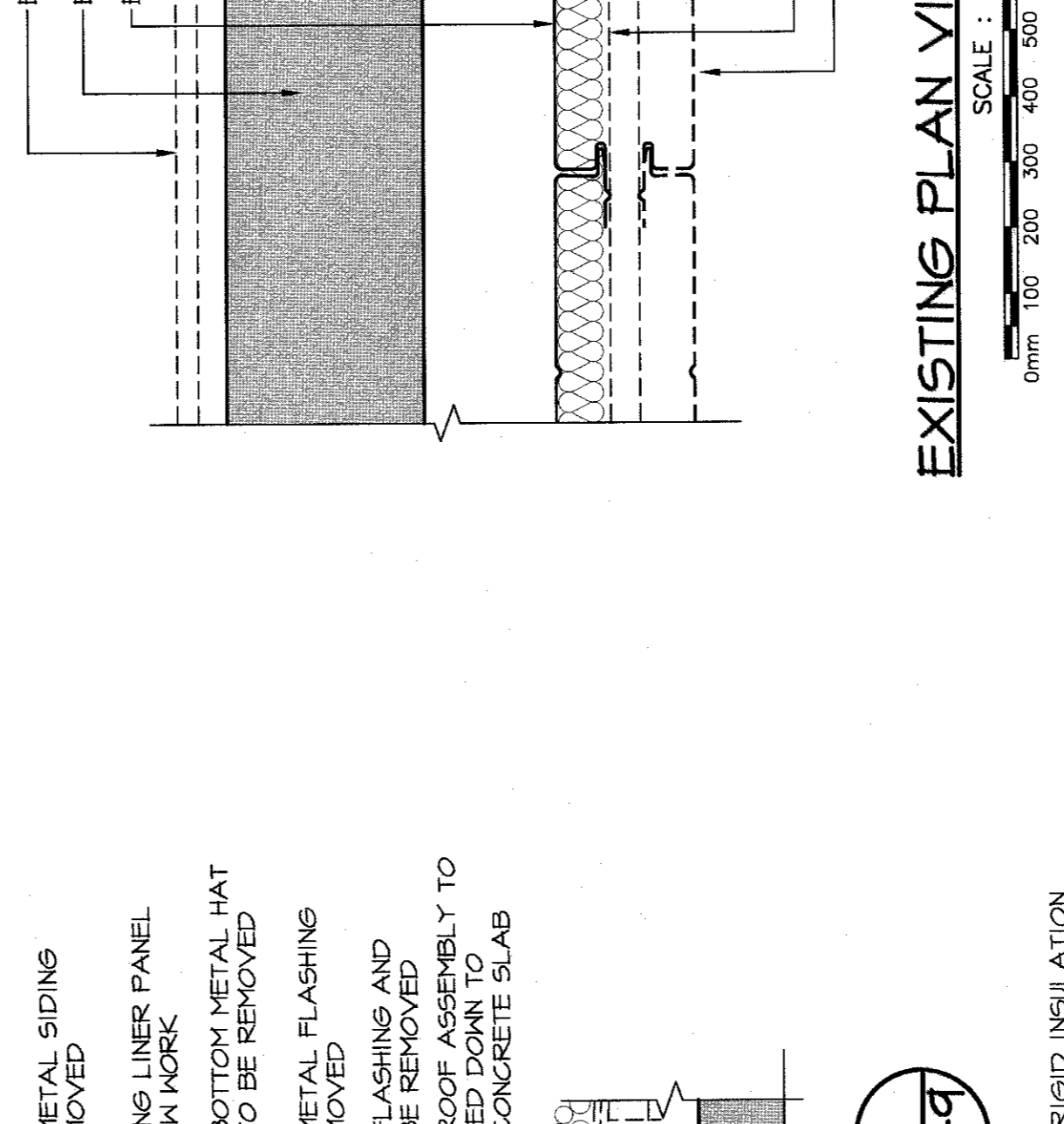
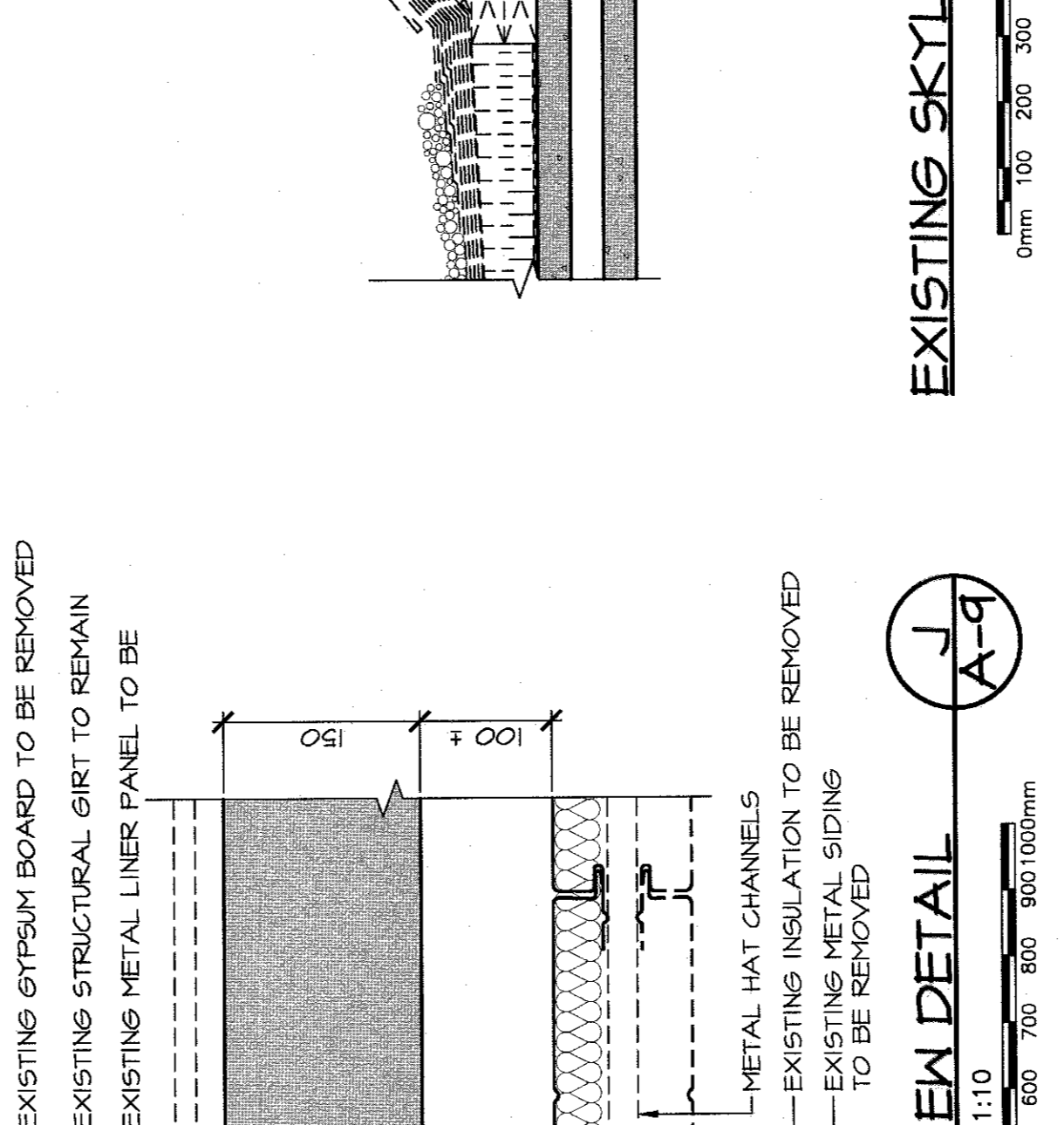
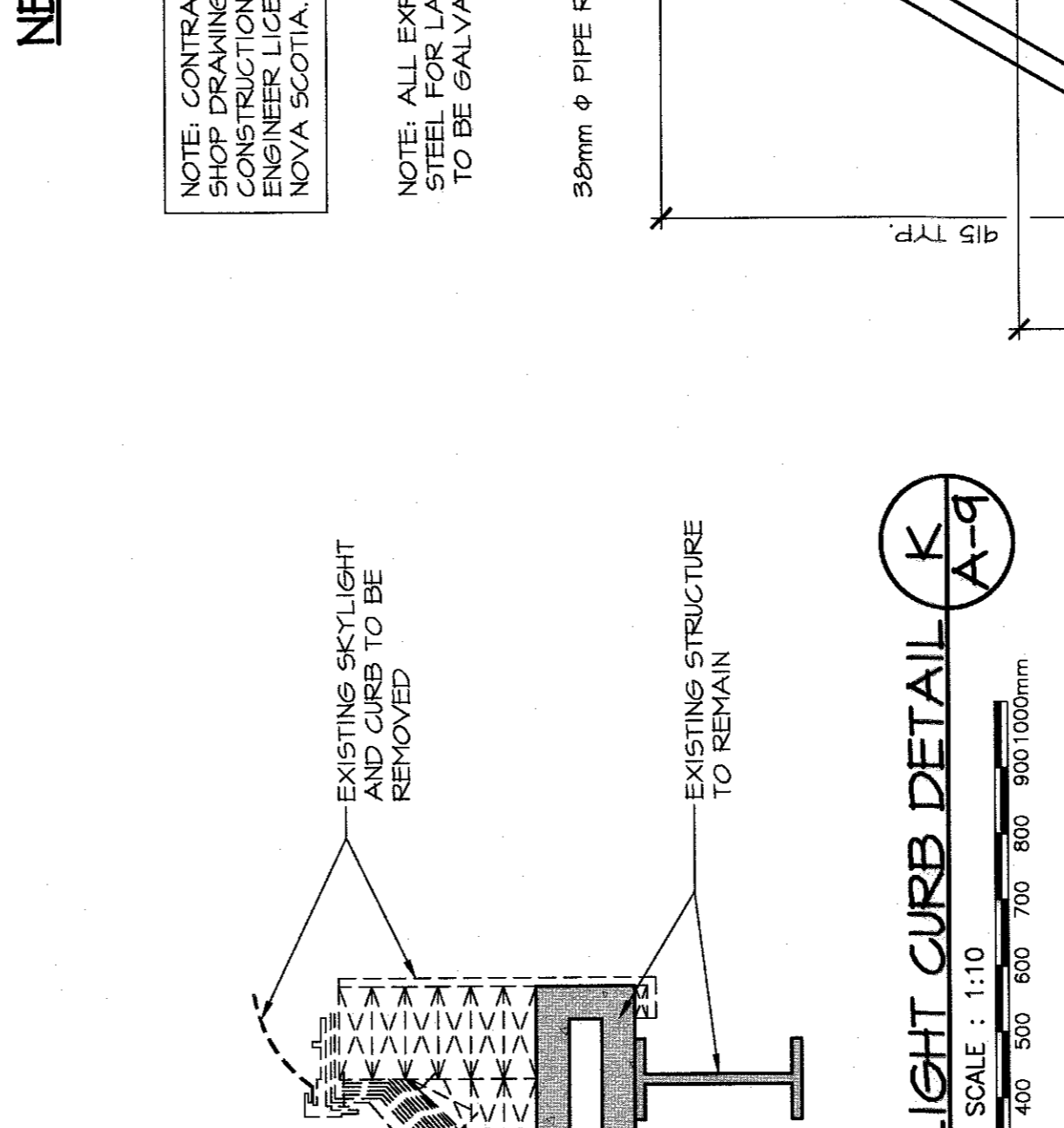
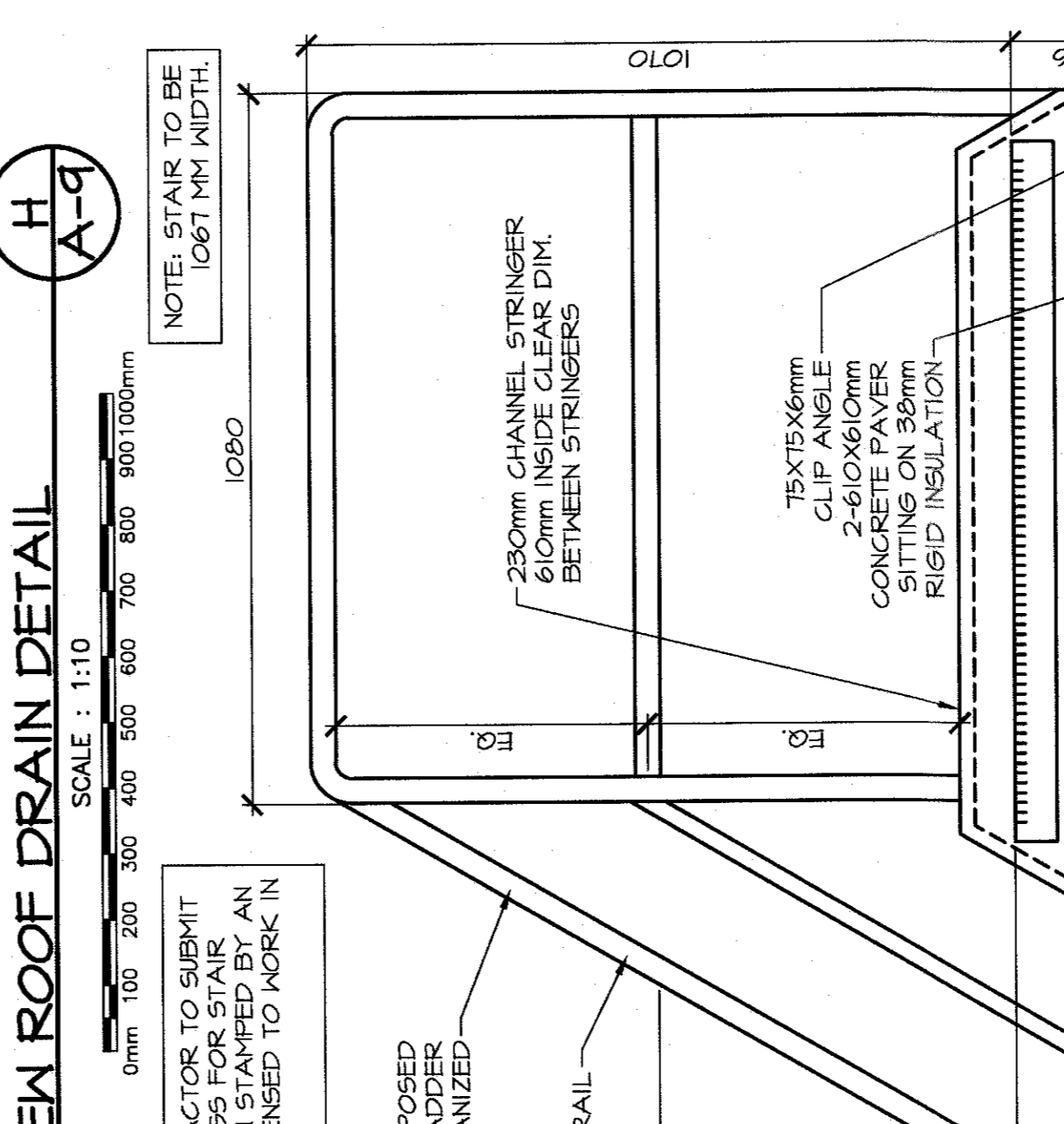
EXISTING ROOF TO WALL DETAIL (A-g)
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



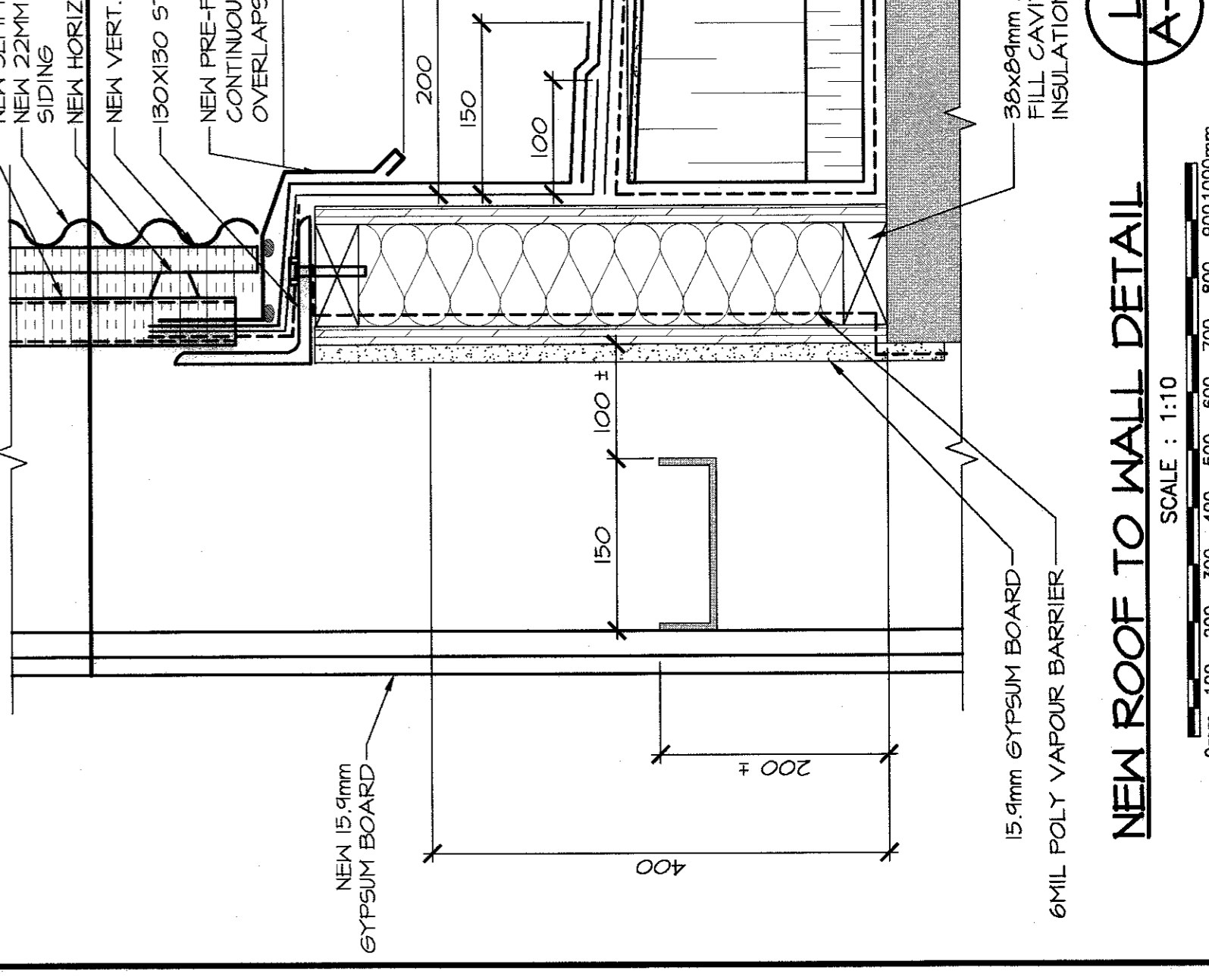
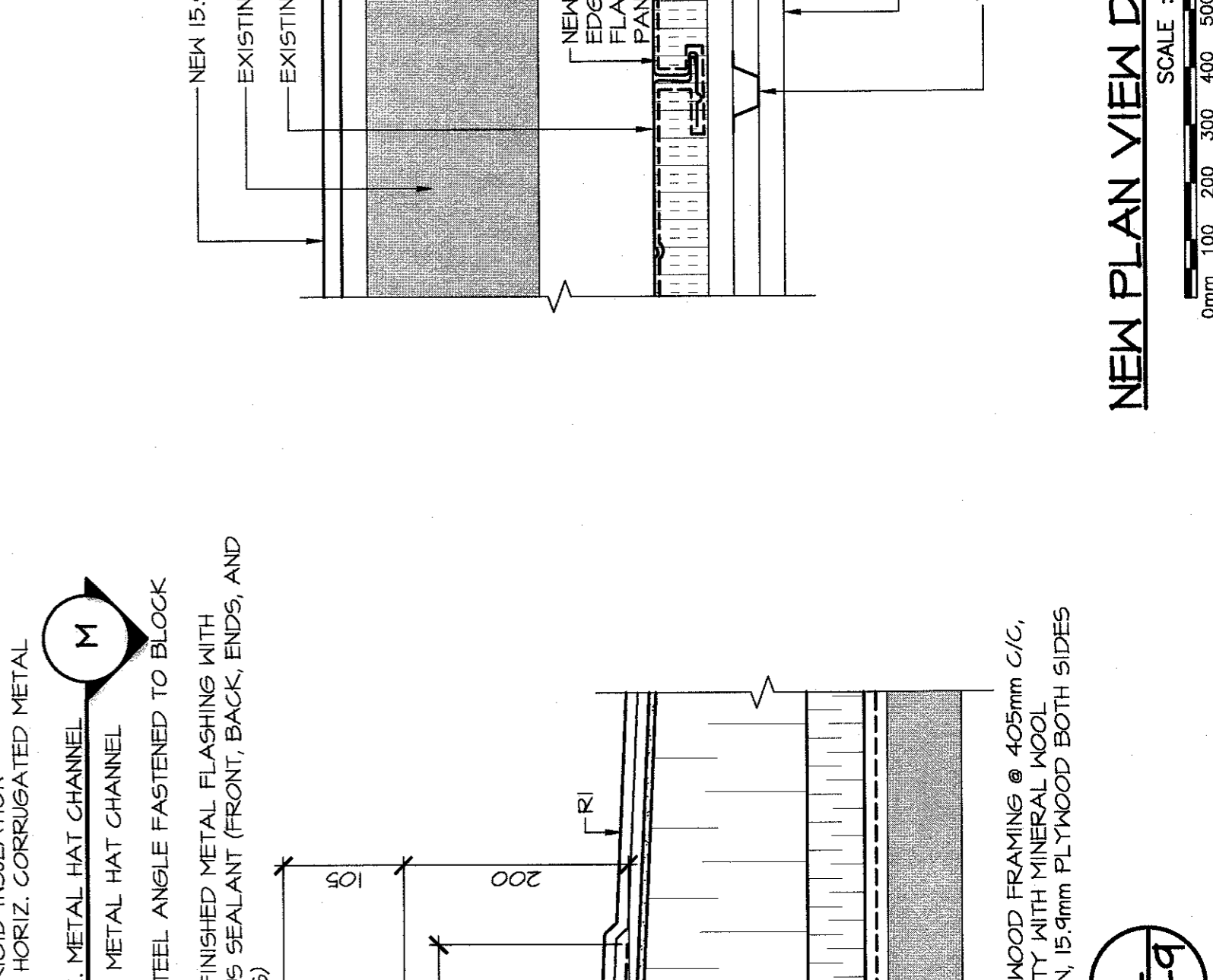
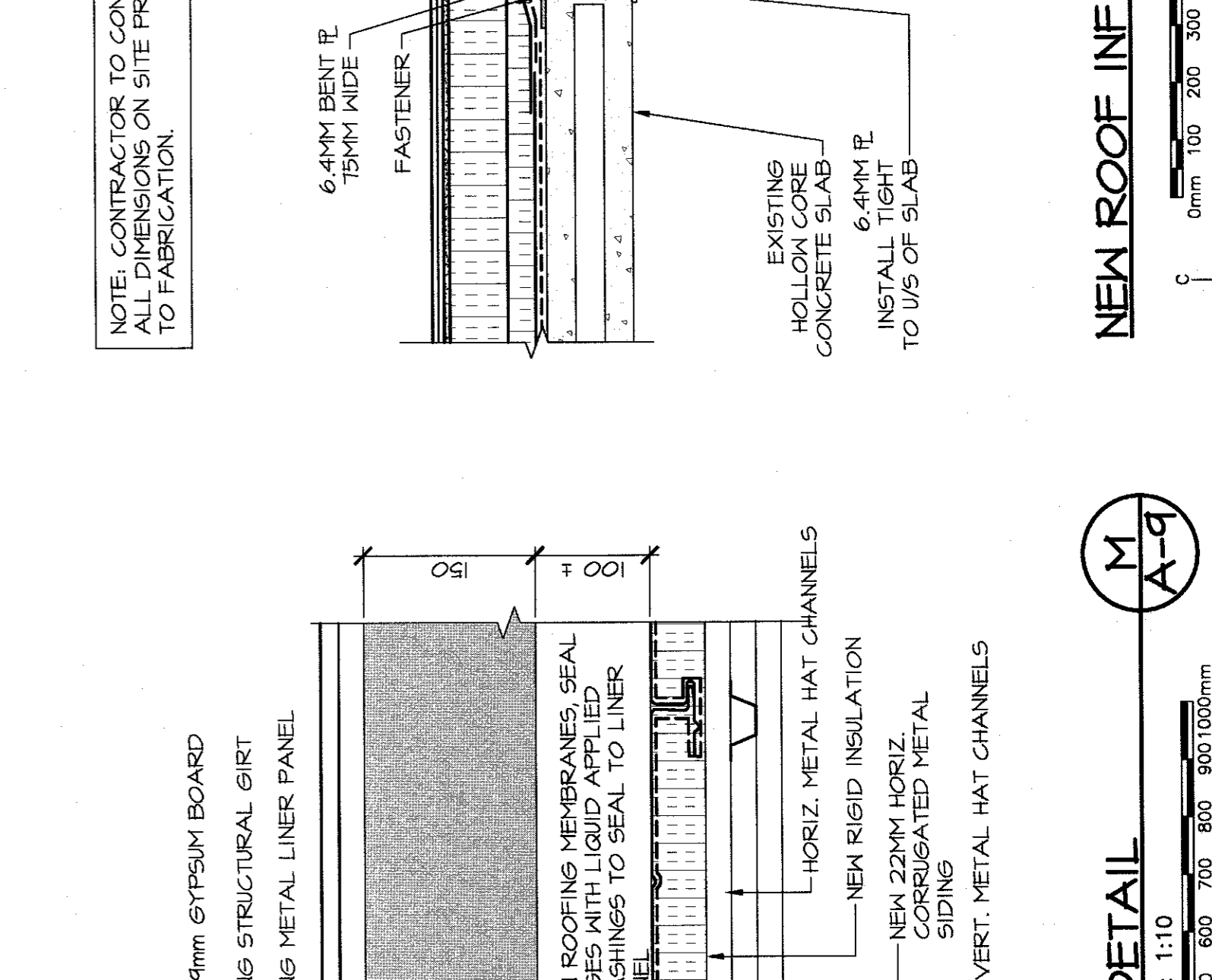
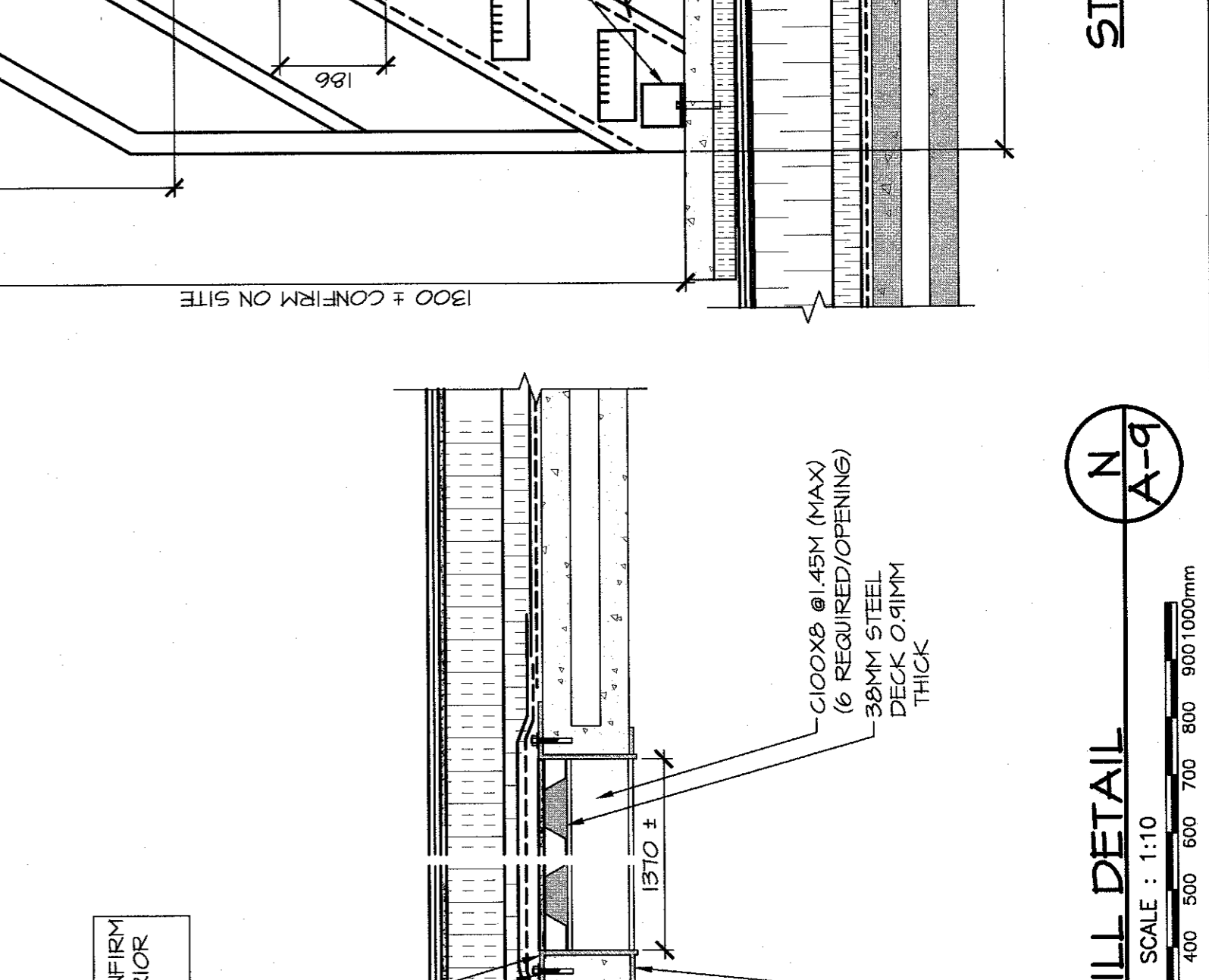
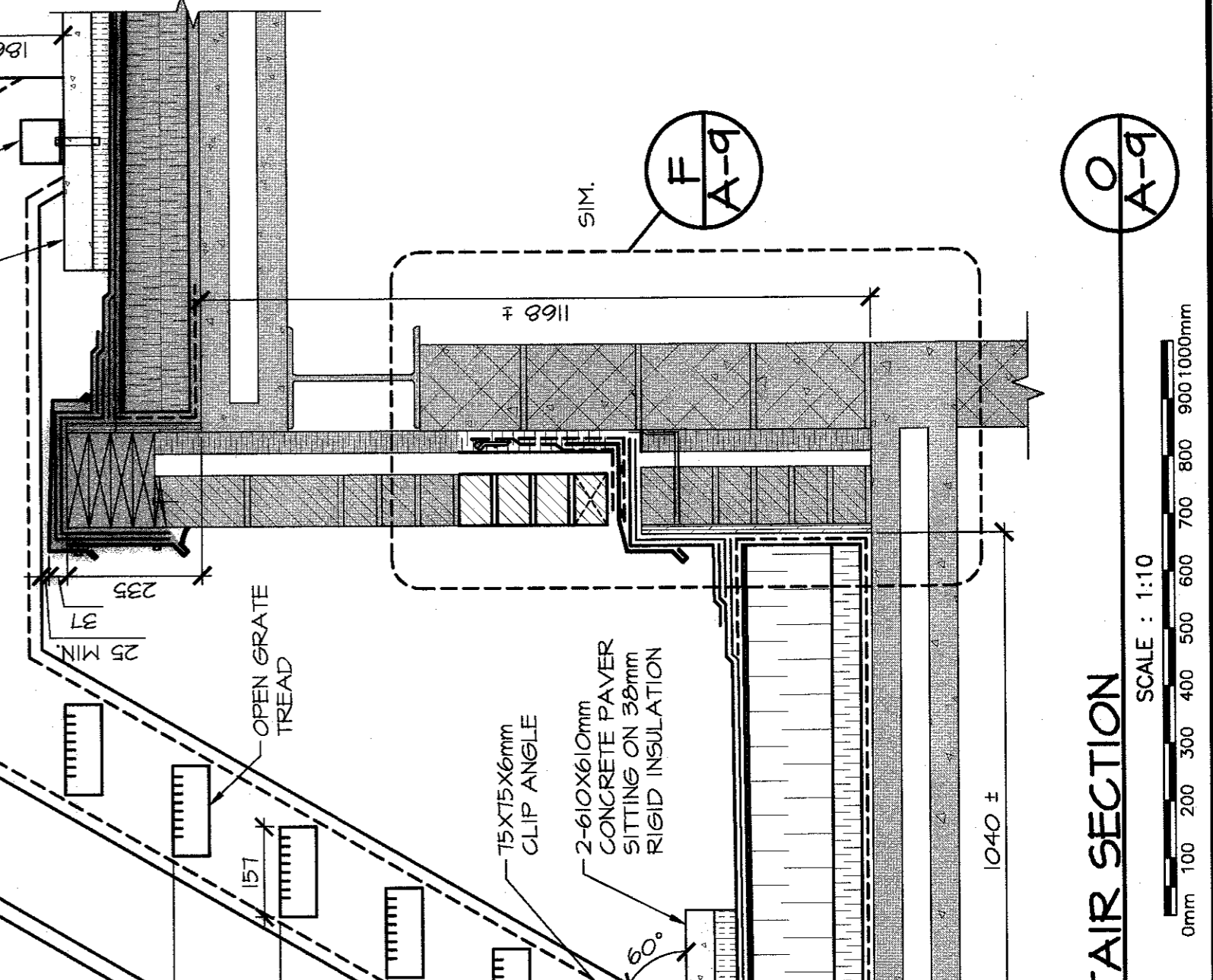
NEW ROOF TO WALL DETAIL (E)
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



NEW ROOF TO WALL DETAIL (L-g)
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



NEW ROOF TO WALL DETAIL (L-g)
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



NEW ROOF TO WALL DETAIL (L-g)
SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm