

ROOF AREAS: SQ. m (SQ. FT.)

1.1	1,204	(12,960)
1.2	998	(10,738)
1.3	980	(10,546)
1.4	61	(660)
1.5	1,165	(12,539)
1.6	135	(1,452)
1.7	188	(2,026)
1.8	350	(3,770)
1.9	127	(1,362)
1.10	65	(703)
1.11	101	(1,092)
2.1	857	(9,220)
2.2	127	(1,368)
2.3	109	(1,174)
2.4	595	(6,406)
3.1	129	(1,384)
4.1	119	(1,276)
4.2	119	(1,276)
5.1	648	(6,977)
5.2	162	(1,745)
5.3	152	(1,639)

TOTAL AREA = 8,390 (90,313)

EXISTING ROOF COMPOSITION:

ROOF AREAS 1.6 & 1.7

SLOPED METAL DECK
1 PLY KRAFT VAPOUR RETARDER
76 (3.0") FIBERGLASS INSULATION
4 PLY B.U.R. MEMBRANE
PEA GRADE GRAVEL

ROOF AREA 1.8

SLOPED METAL DECK
13 (0.5") GYPSUM BOARD
1 PLY KRAFT VAPOUR RETARDER
76 (3.0") POLYISOCYANURATE INSULATION
13 (0.5") FIBERBOARD INSULATION
4 PLY B.U.R. MEMBRANE
PEA GRADE GRAVEL

NEW ROOF COMPOSITIONS:

ROOF AREAS 1.6, 1.7, & 1.8

EXISTING SLOPED METAL DECK
13 (0.5") GYPSUM ROOF BOARD
1 PLY MODIFIED BITUMEN VAPOUR RETARDER
51 (2") POLYISOCYANURATE INSULATION
(RSI=1.97, R-VALUE=11.2)
51 (2") POLYISOCYANURATE INSULATION
(RSI=1.97, R-VALUE=11.2)
13 (0.5") GYPSUM ROOF BOARD
2 PLY MODIFIED BITUMEN MEMBRANE

1 PARTIAL ROOF PLAN

SCALE: 1:150

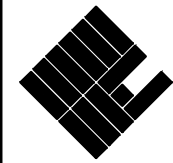
2 KEYPLAN

SCALE: N.T.S.



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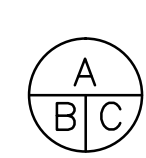
LEGEND

	SELF-BALLASTED RAININGS		GAS - GAS PIPELINE		ROOF AREAS N.L.C.
	ANTENNA		GOOSENECK VENT ON CURB		RA ROOF ANCHOR
	BREATHER		GOOSENECK VENT ON PAVERS		SATELLITE DISH
	CAPPED STACK		HATCH		SCUPPER
	CHANGE IN ELEV.		HVAC UNIT ON ROOF		SECURITY CAMERA
	CHIMNEY		HVAC UNIT ON LEGS		SKYLIGHT
	CONDUIT LINE		HVAC UNIT ON CURB		DECK SLOPE
	CONTROL JOINT		HVAC UNIT ON SLEEPERS		SQUARE VENT ON CURB
	DRAIN		LADDER		SQUARE VENT ON CURB
	EXHAUST FAN ON CURB		LIGHT POST		TALLCONE OR "b" VENT ON CURB
	EXPANSION JOINT		PITCH POCKET		UNUSED OPENING
	EXPLOSION HATCH		FLAGPOLE		CONCRETE PAVERS
	GROSS-OVER RAMP		PLUMBING OR SOIL STACK		WALKWAY PADS

STAMP

04		
03		
02		
01		
revision		date

Do not scale drawings.
Verify all dimensions and conditions on site and immediately
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A Detail No.
No. du détail
drawing no. - where detail required
dessin no. - où détail exigé
B
C drawing no. - where detailed
dessin no. - où détaillé

project title
titre du projet
HARROW Ontario
AGRICULTURE & AGRI-FOODS CANADA
2585 COUNTY ROAD 20

ROOF REPLACEMENT

drawing title

titre du dessin
PARTIAL ROOF PLAN 1

drawn by
dessiné par
IRC GROUP: B.M.W.

designed by
conc par
IRC GROUP: A.J.D.

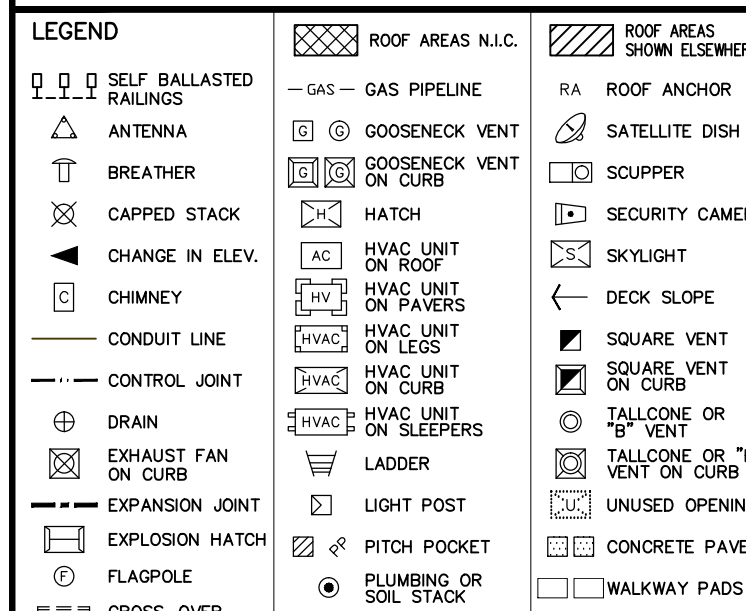
approved by
approuvé par
IRC GROUP: T.K.C.

bid
offre
M.B. project manager
administrateur de projets

project date
date du projet
2016-04-04

project no.
no. du projet
R.076726.001 PWGSC #: R.076726.001


drawing no.
dessiné no.
A1



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No. du détail

B drawing no. — where detail required
dessin no. — où détail exigé

C drawing no. — where detailed
dessin no. — où détaillé

project title
titre du projet

HARROW Ontario
AGRICULTURE & AGRI-FOODS CANADA
2585 COUNTY ROAD 20

ROOF REPLACEMENT

drawing title
titre du dessin
PARTIAL ROOF PLAN 2

drawn by
dessine par

designed by
conc per IRC GROUP: A.J.D.

approved by
approuvé par

bid	project manager
offre	administrateur de projet
M.B.	

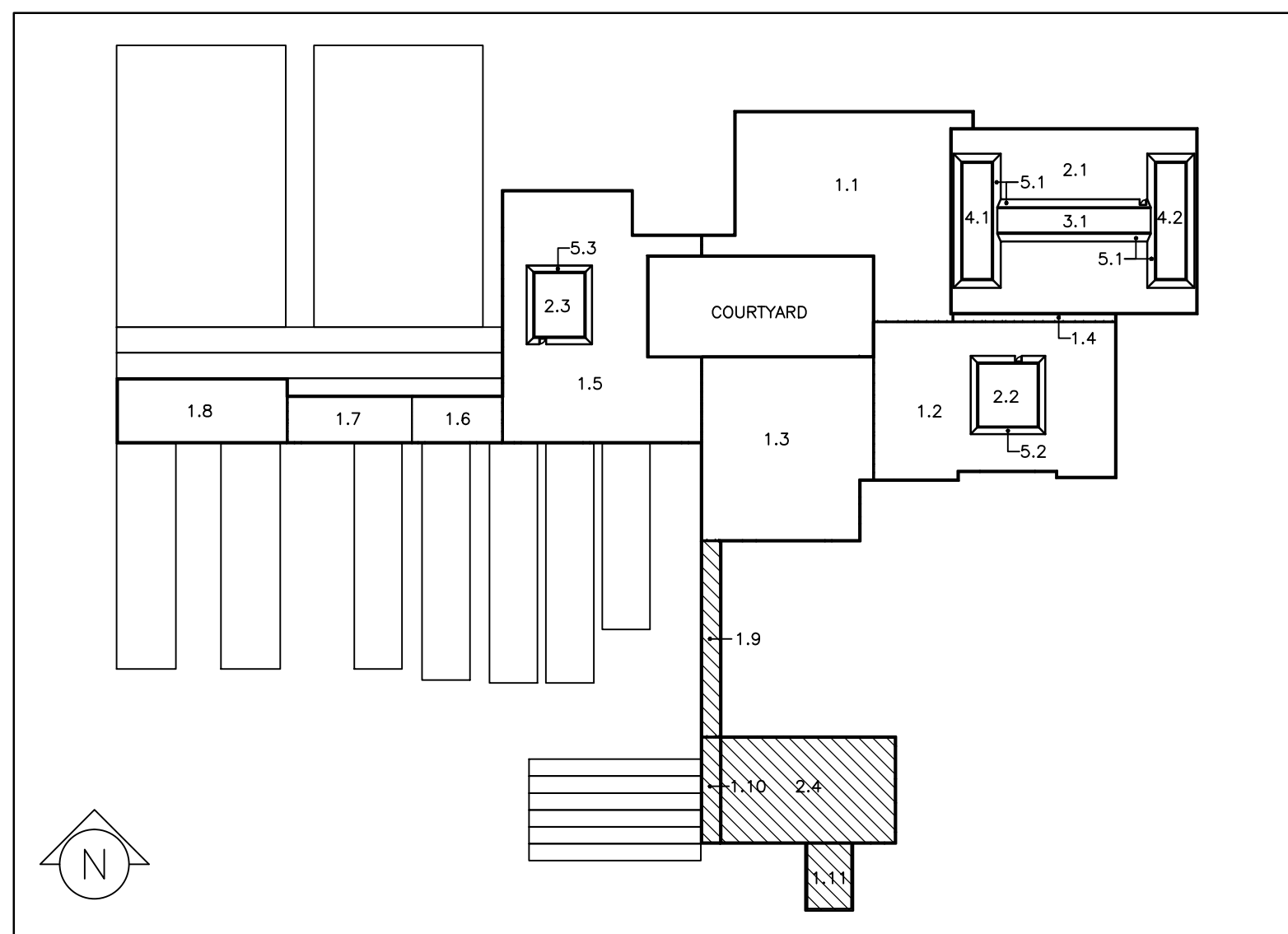
project date date du projet	2016-04-04
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project no.	PWGSC #: R.076726.00
no. du projet	

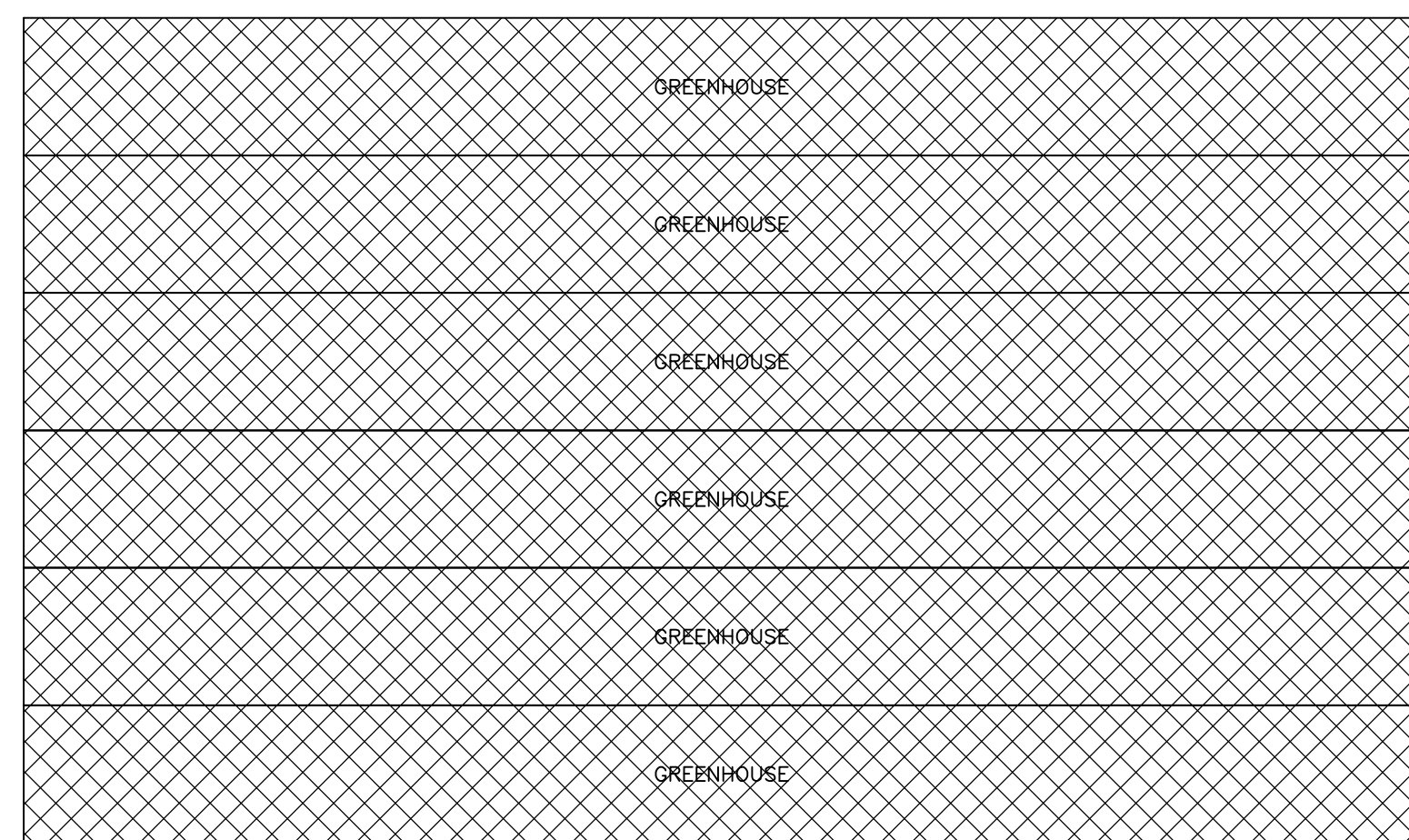
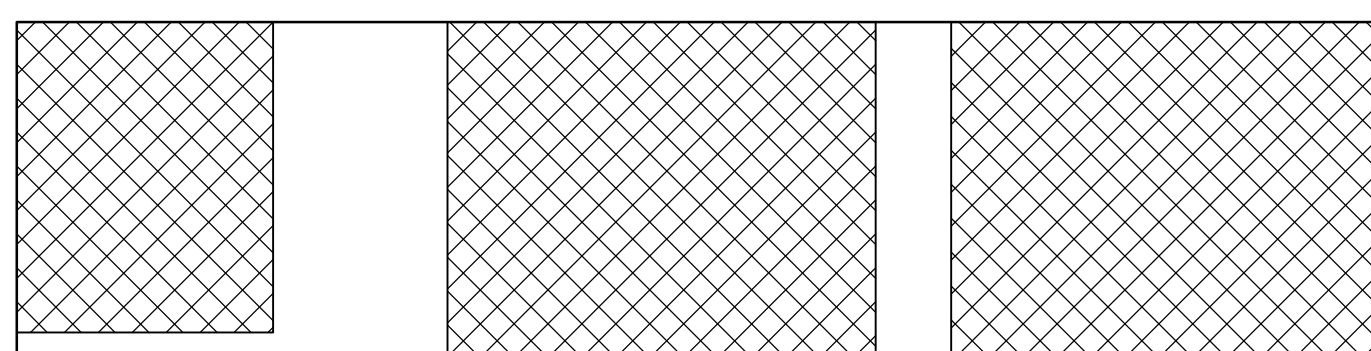
R.076726.001

drawing no.
dessine no.





2 KEYPLAN
A3 SCALE: N.T.S.

**EXISTING ROOF COMPOSITION:****ROOF AREAS 1.9 & 1.10**

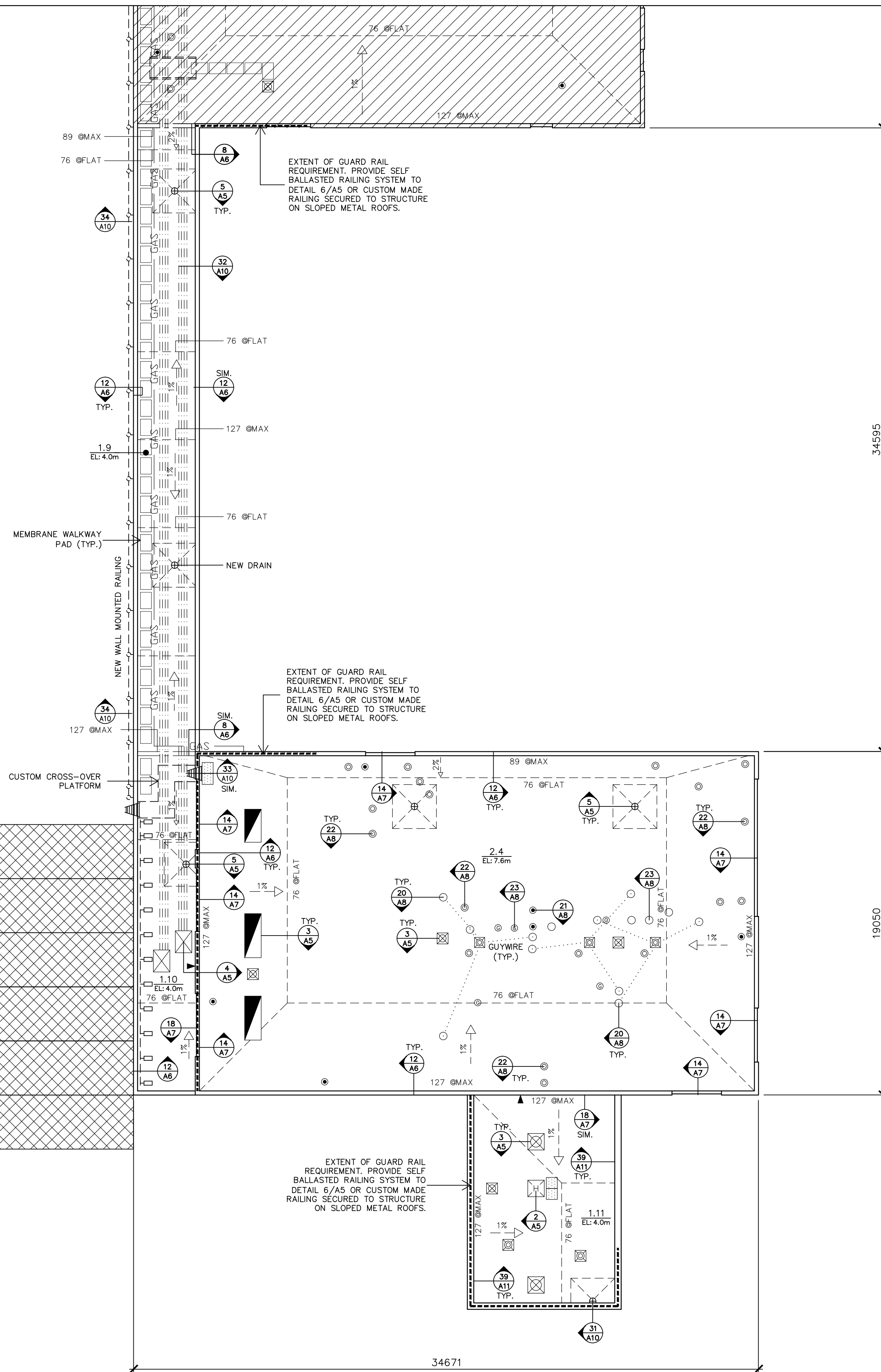
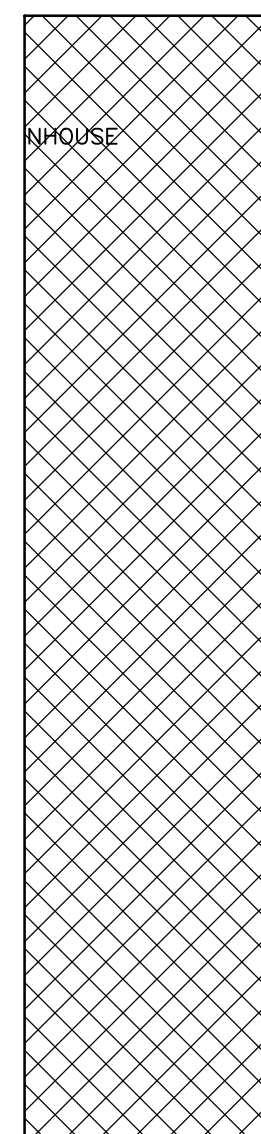
METAL DECK
1 PLY KRAFT VAPOUR RETARDER
38 (1.5") PHENOLIC INSULATION
38 (1.5") PHENOLIC INSULATION
13 (0.5") FIBERBOARD INSULATION
4 PLY B.U.R. MEMBRANE
PEA GRADE GRAVEL

ROOF AREA 1.11 & 2.4

(NO CORE CUT TAKEN)
METAL DECK
4 PLY B.U.R. MEMBRANE
PEA GRADE GRAVEL

NEW ROOF COMPOSITIONS:**ROOF AREAS 1.9, 1.10, 1.11, & 2.4**

EXISTING METAL DECK
13 (0.5") GYPSUM ROOF BOARD
1 PLY MODIFIED BITUMEN VAPOUR RETARDER
51 (2") POLYISOCYANURATE INSULATION
(RSI=1.97, R-VALUE=11.2)
TAPERED POLYISOCYANURATE INSULATION, MIN. 25 (1")
(MIN. RSI=0.985, R-VALUE=5.6)
13 (0.5") GYPSUM ROOF BOARD
2 PLY MODIFIED BITUMEN MEMBRANE

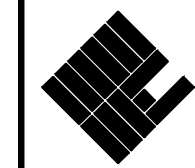


1 PARTIAL ROOF PLAN
A4 SCALE: 1:150



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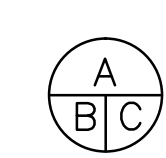
LEGEND

	SELF-BALLASTED RAILINGS		ROOF AREAS N.L.C.		ROOF AREAS SHOWN ELSEWHERE
	ANTENNA		GAS - GAS PIPELINE		RA ROOF ANCHOR
	BREATHER		GOOSENECK VENT ON CURB		SATELLITE DISH
	CAPPED STACK		GOOSENECK VENT ON CURB		SCUPPER
	CHANGE IN ELEV.		HATCH		SECURITY CAMERA
	CHIMNEY		HVAC UNIT ON ROOF		SKYLIGHT
	CONDUIT LINE		HVAC UNIT ON PAVERS		DECK SLOPE
	CONTROL JOINT		HVAC UNIT ON SLEEPERS		SQUARE VENT
	DRAIN		LADDER		TALL CONE OR "B" VENT ON CURB
	EXHAUST FAN ON CURB		LIGHT POST		UNUSED OPENING
	EXPANSION JOINT		PITCH POCKET		CONCRETE PAVERS
	EXPLOSION HATCH		FLAGPOLE		WALKWAY PADS
	FLAGPOLE		PLUMBING OR SOIL STACK		
	GROSS-OVER RAMP				

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No. du détail
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dessin no. - où détail exigé
B
C drawing no. - where detailed
dessin no. - où détaillé

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AGRICULTURE & AGRI-FOODS CANADA
2585 COUNTY ROAD 20

ROOF REPLACEMENT

drawing title
titre du dessin
PARTIAL ROOF PLAN 4

drawn by
dessiné par
IRC GROUP: B.M.W.

designed by
conc par
IRC GROUP: A.J.D.

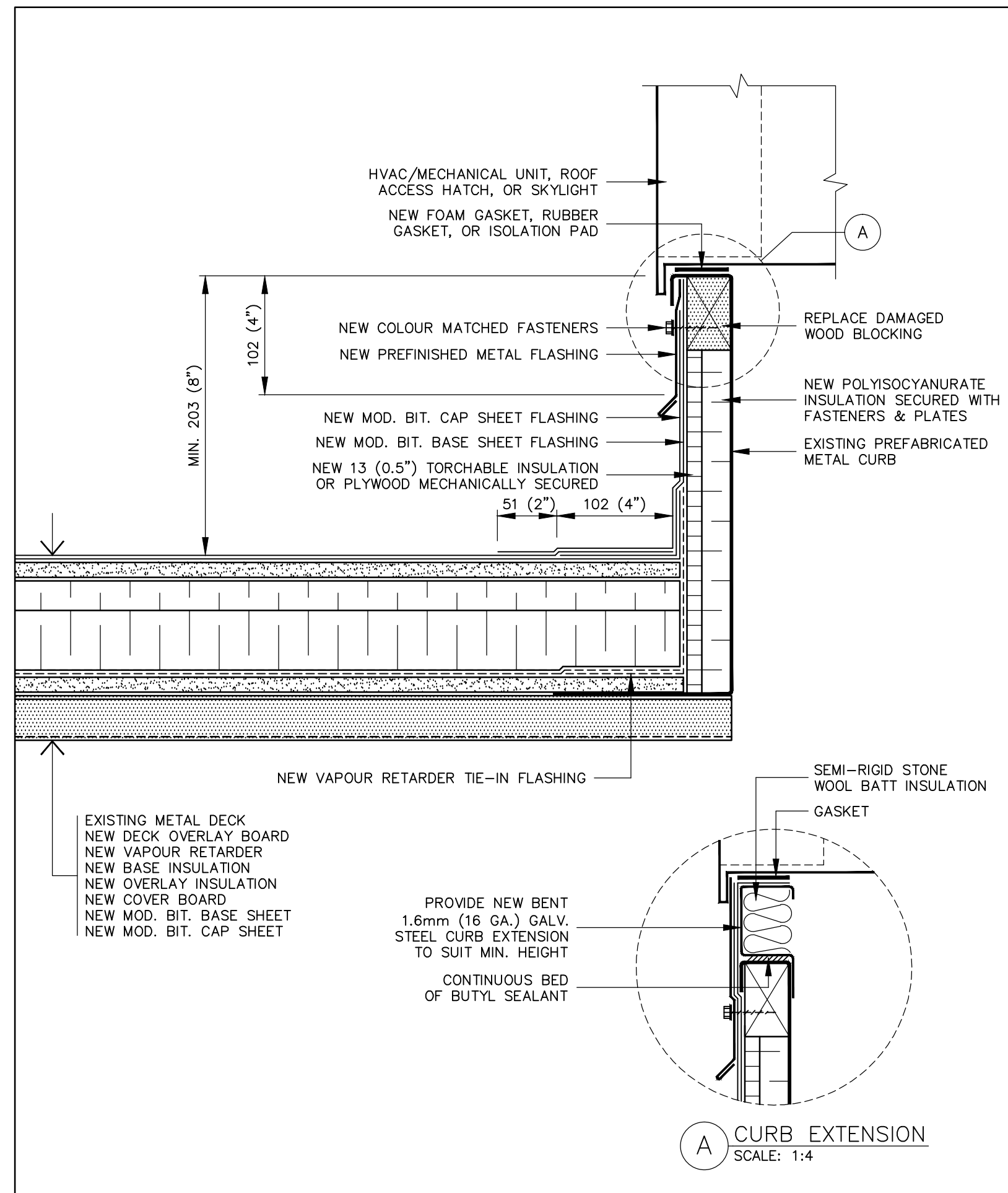
approved by
approuvé par
IRC GROUP: T.K.C.

bid
offre
M.B. project manager
administrateur de projets

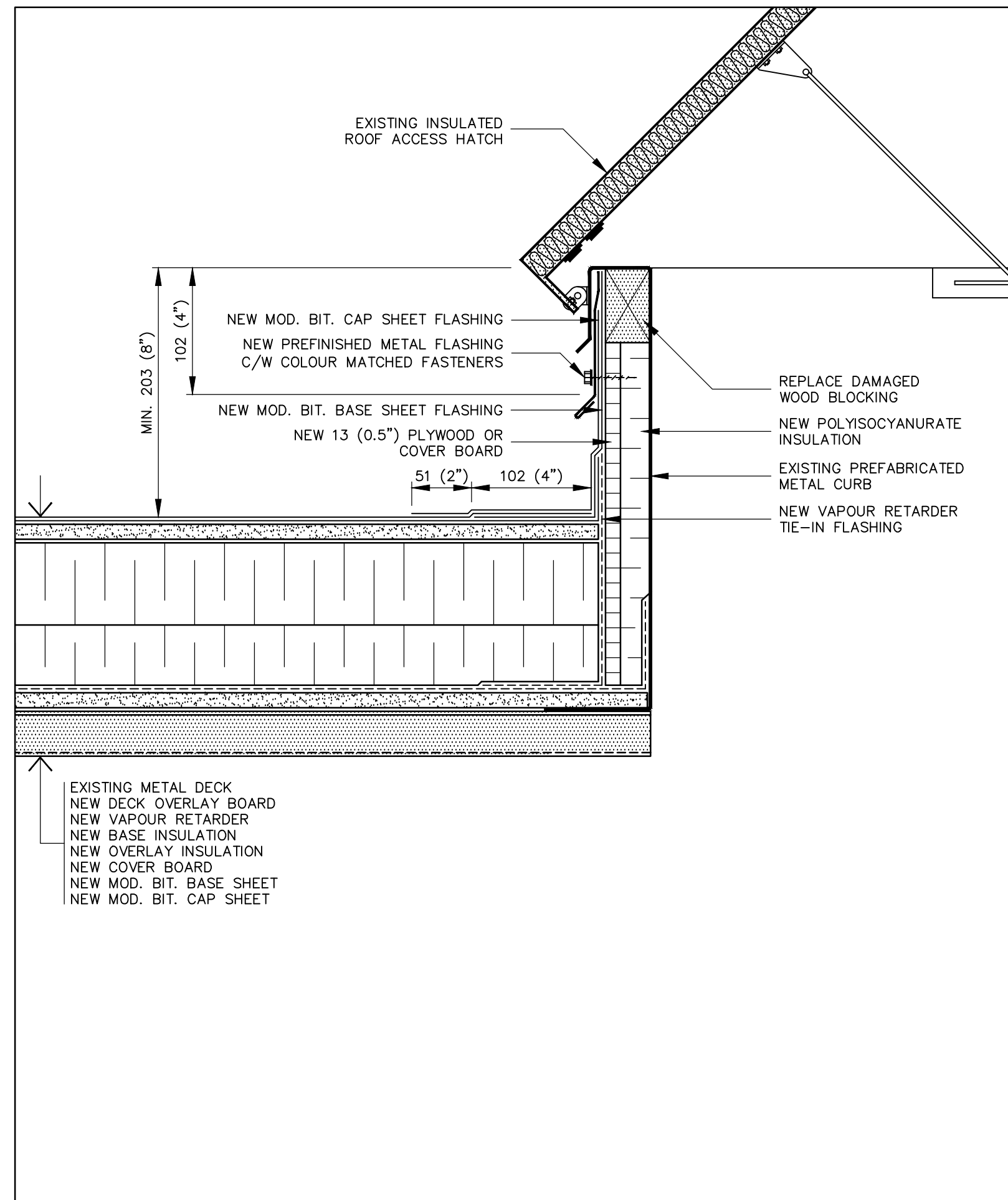
project date
date du projet
2016-04-04

project no.
no. du projet
R.076726.001 PWGSC #: R.076726.001

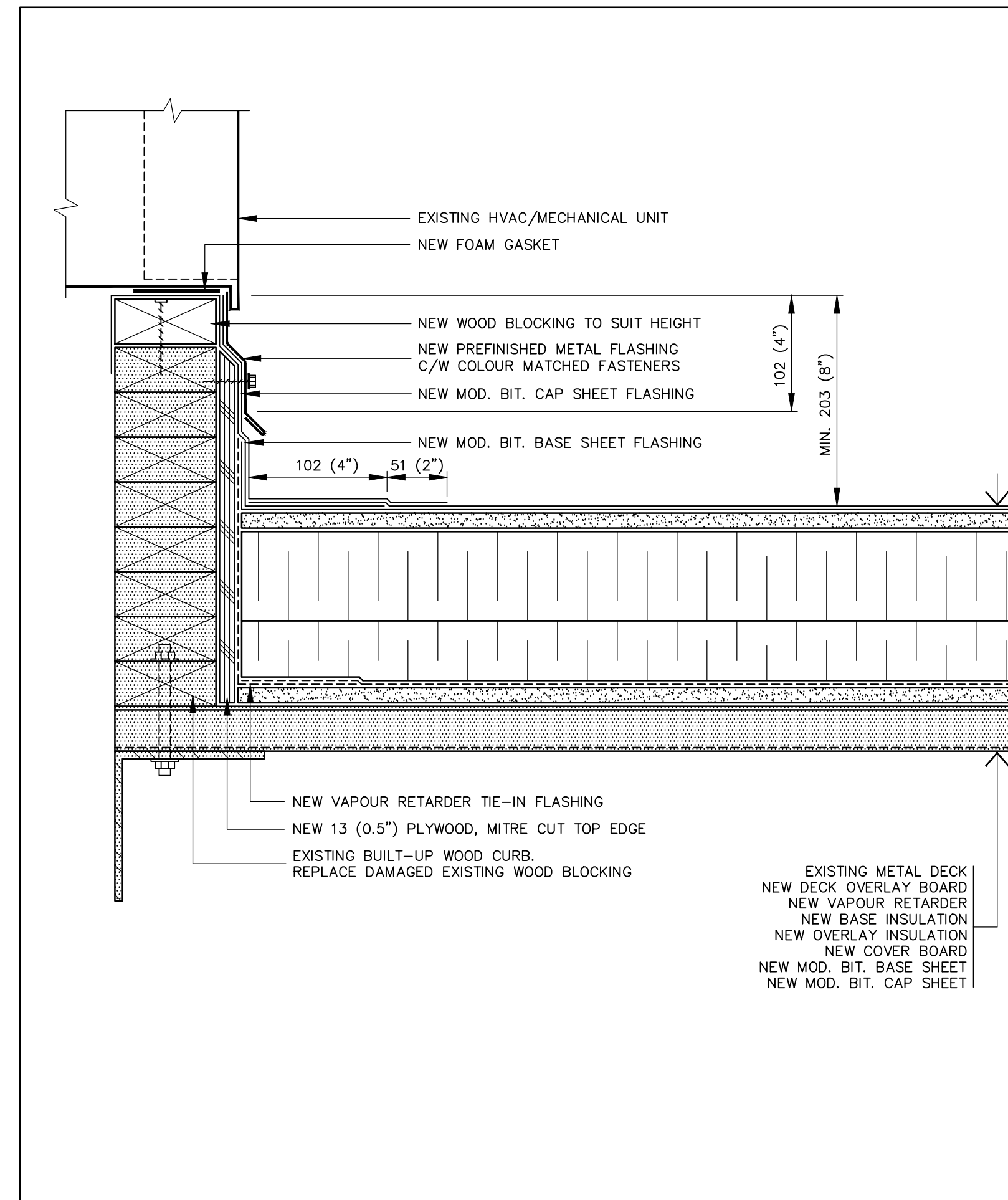
drawing no.
dessiné no.
A4



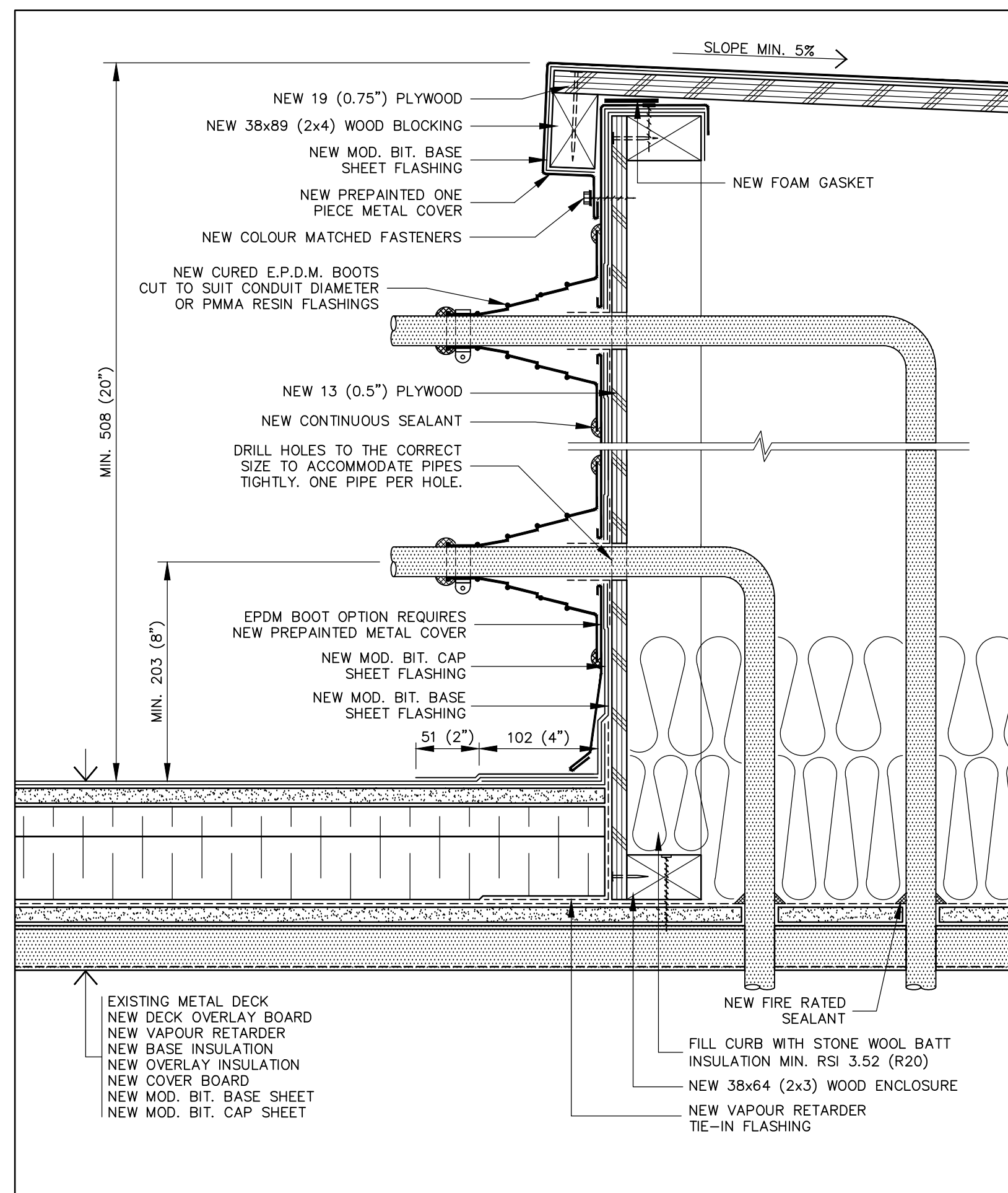
1 PREFABRICATED CURB DETAIL
A5 SCALE: 1:4



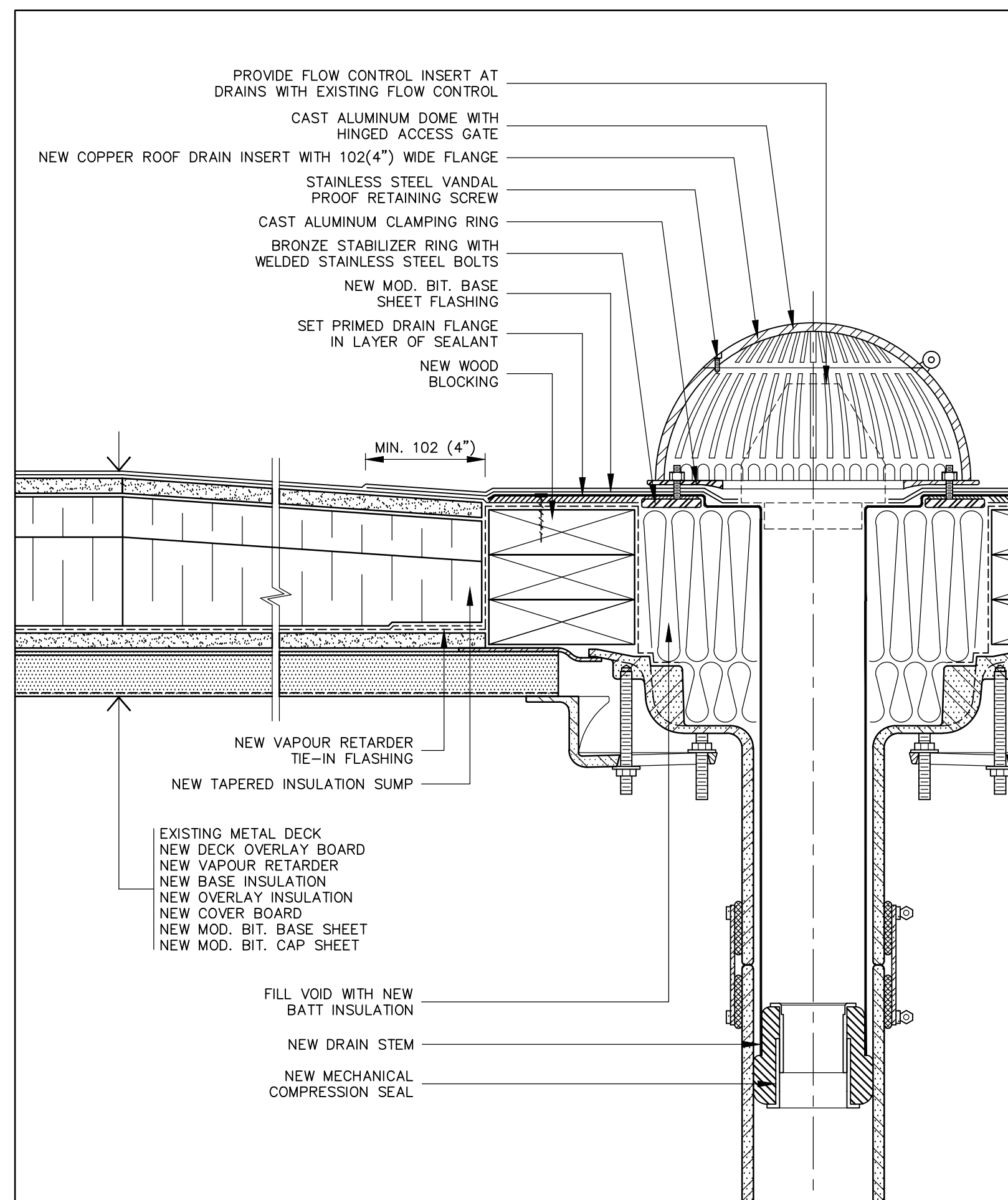
2 ROOF ACCESS HATCH DETAIL
A5 SCALE: 1:4



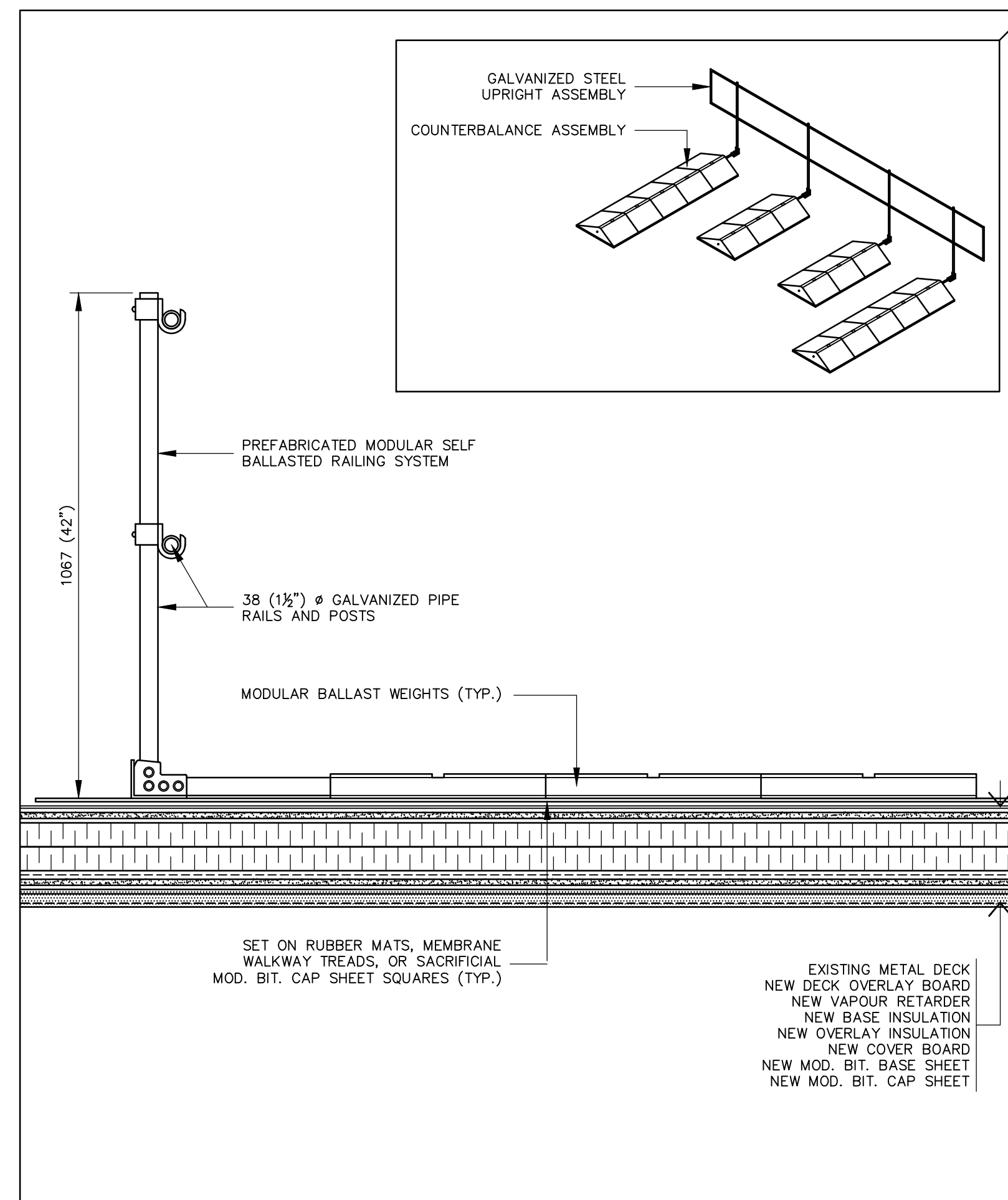
3 BUILT-UP WOOD CURB DETAIL
A5 SCALE: 1:4



4 NEW DOGHOUSE DETAIL
A5 SCALE: 1:4



5 RETRO DRAIN FLASHING DETAIL
A5 SCALE: 1:4



6 SELF BALLASTED GUARDRAIL
A5 SCALE: 1:10

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A	Detail No.
B	No. du détail
C	drawing no. - where detail required dessin no. - où détail exigé
	drawing no. - where detailed dessin no. - où détaillé

project title
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HARROW Ontario
AGRICULTURE & AGRI-FOODS CANADA
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ROOF REPLACEMENT

drawing title
titre du dessin
ROOFING DETAILS 1

drawn by
dessiné par
IRC GROUP: B.M.W.

designed by
conc par
IRC GROUP: A.J.D.

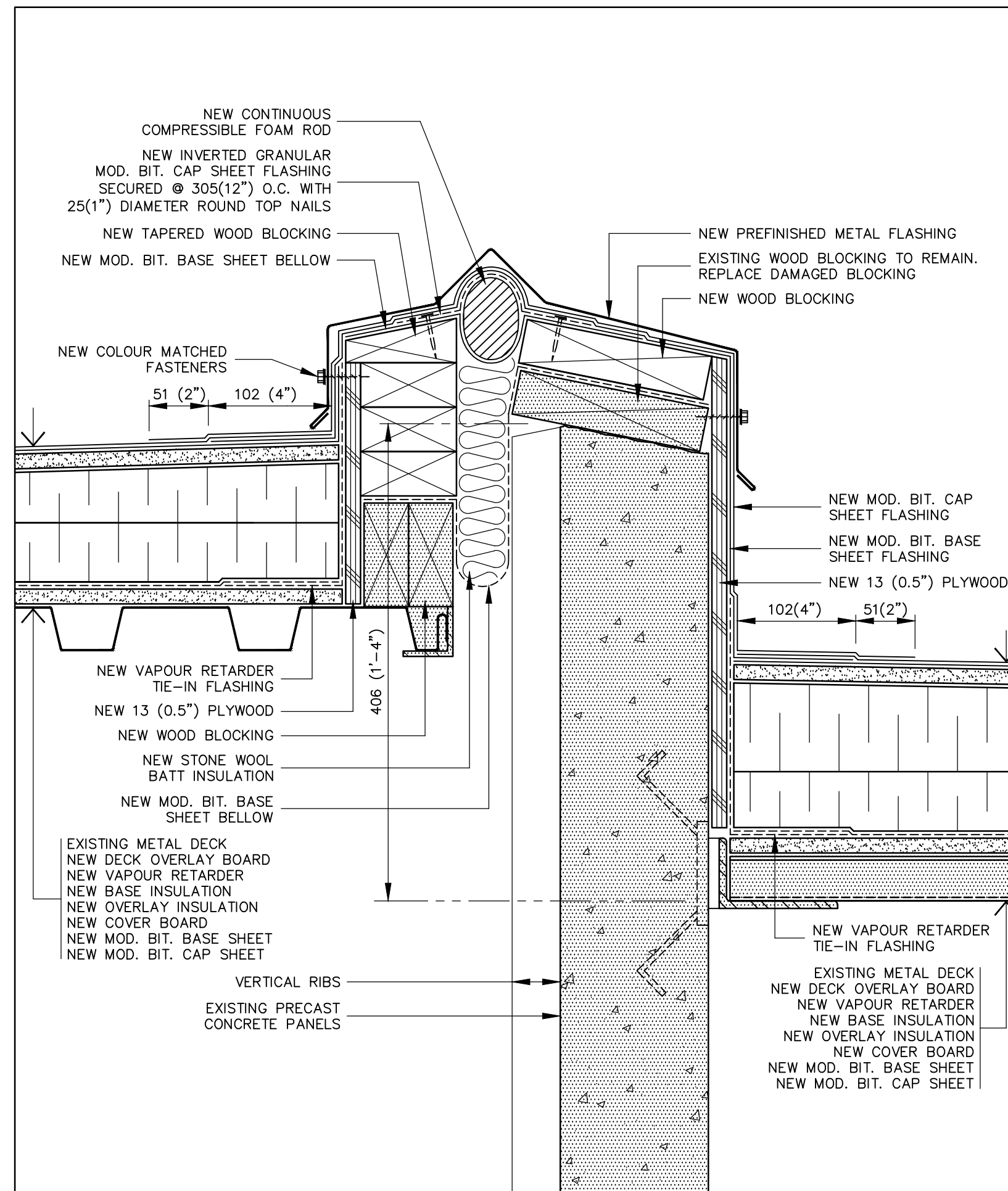
approved by
approuvé par
IRC GROUP: T.K.C.

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offre
M.B. project manager
administrateur de projets

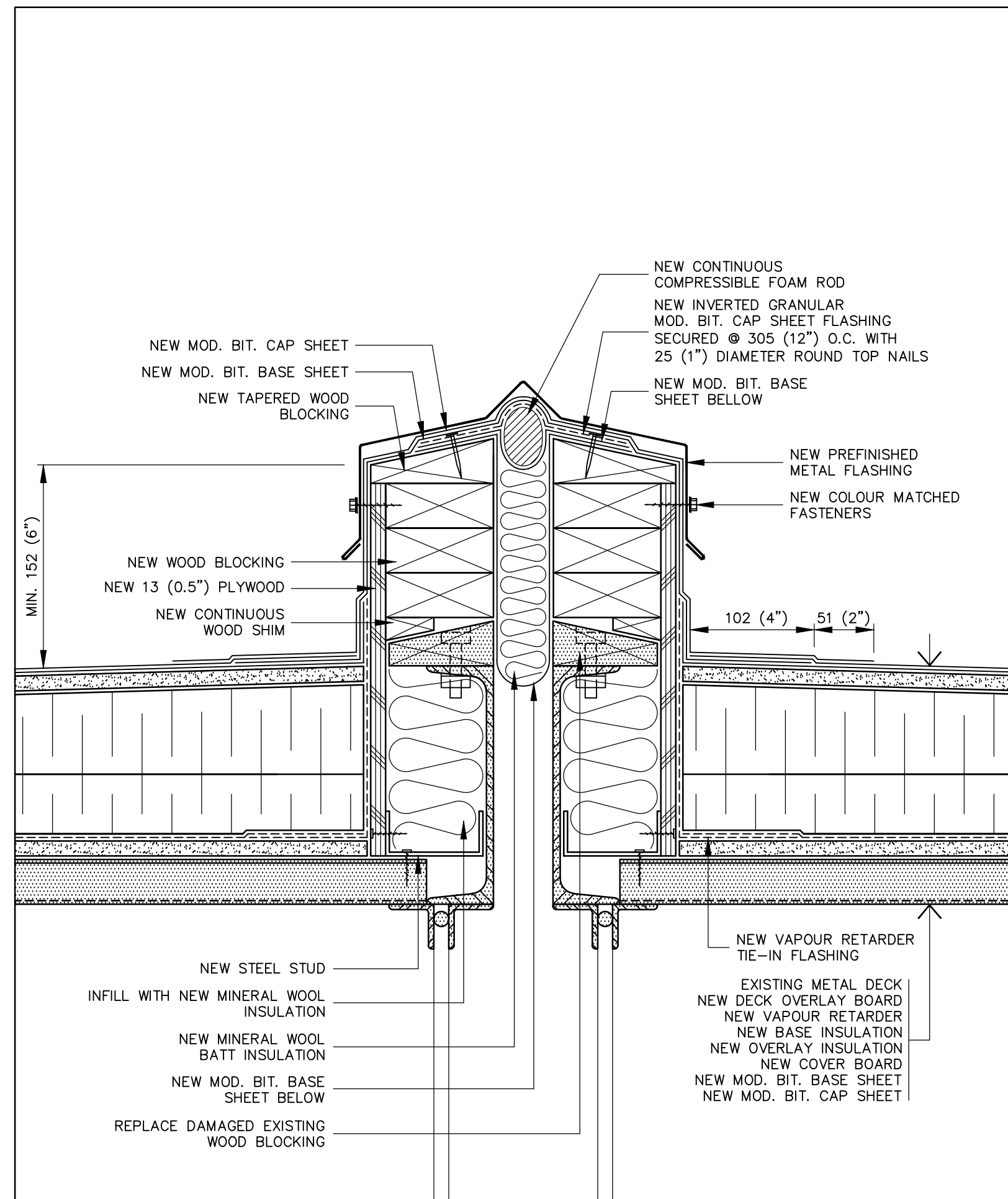
project date
date du projet
2016-04-04

project no.
no. du projet
R.076726.001 PWGSC #: R.076726.001

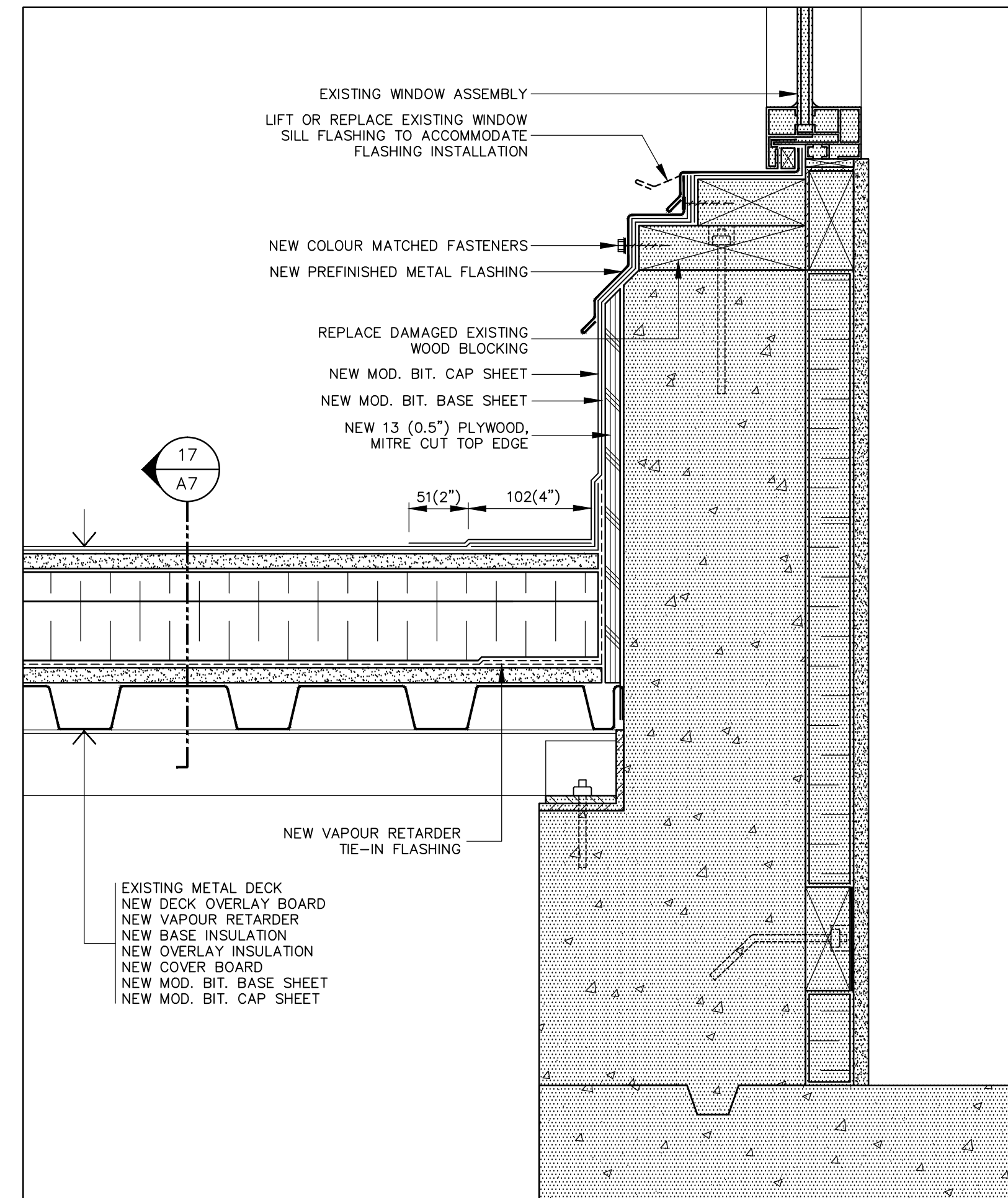
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A5



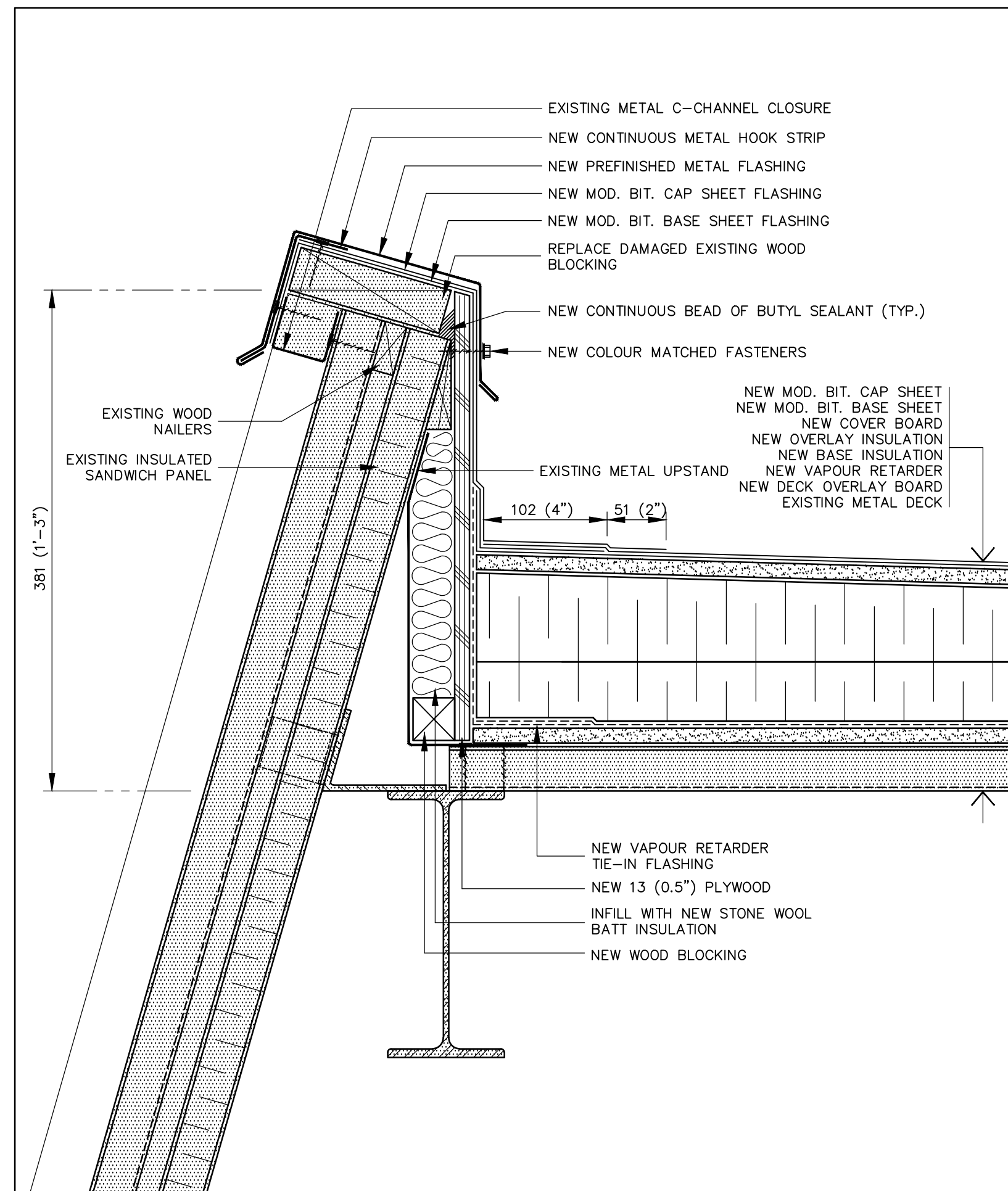
7 EXPANSION JOINT DETAIL
A6 SCALE: 1:4



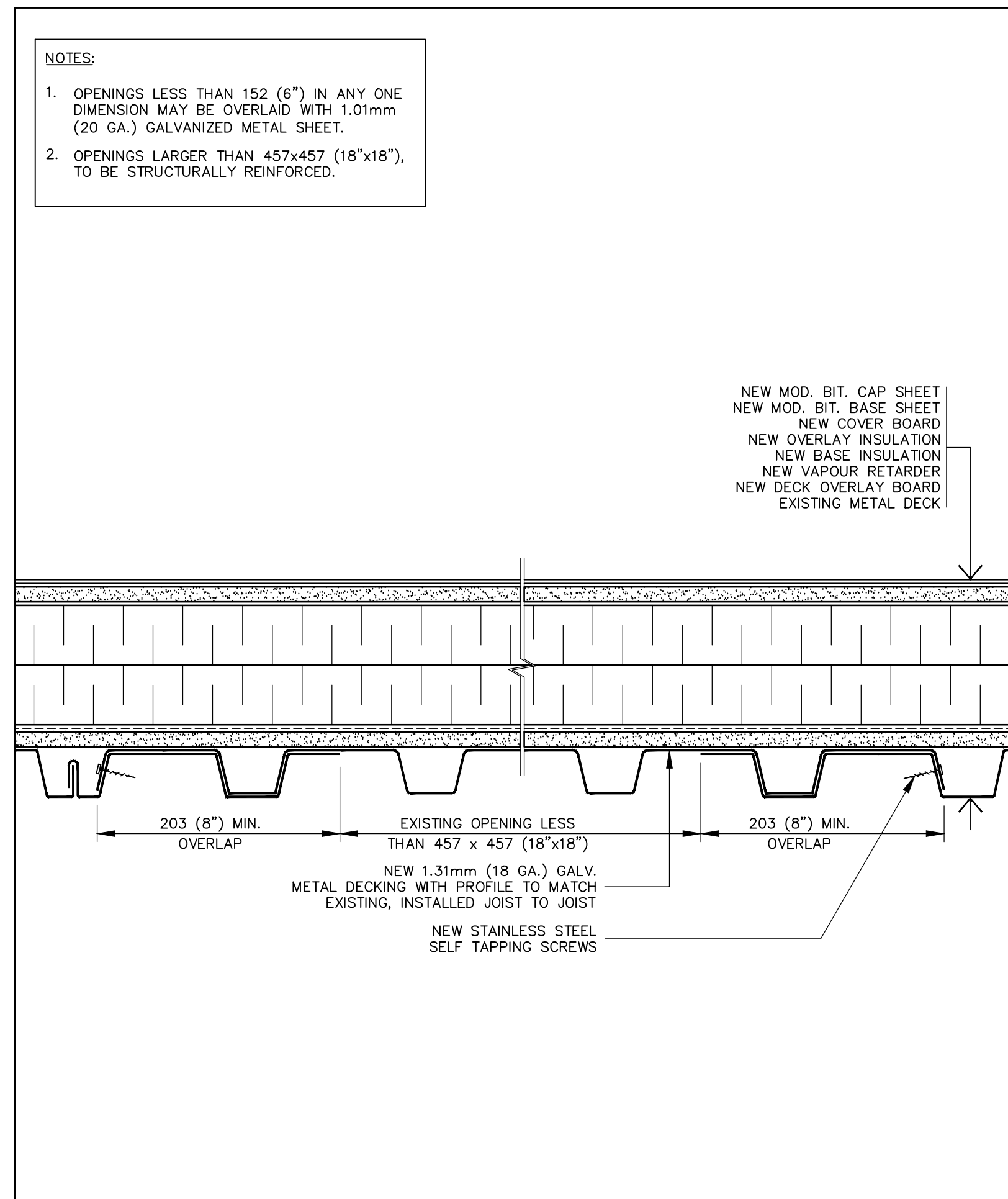
8 EXPANSION JOINT DETAIL
A6 SCALE: 1:4



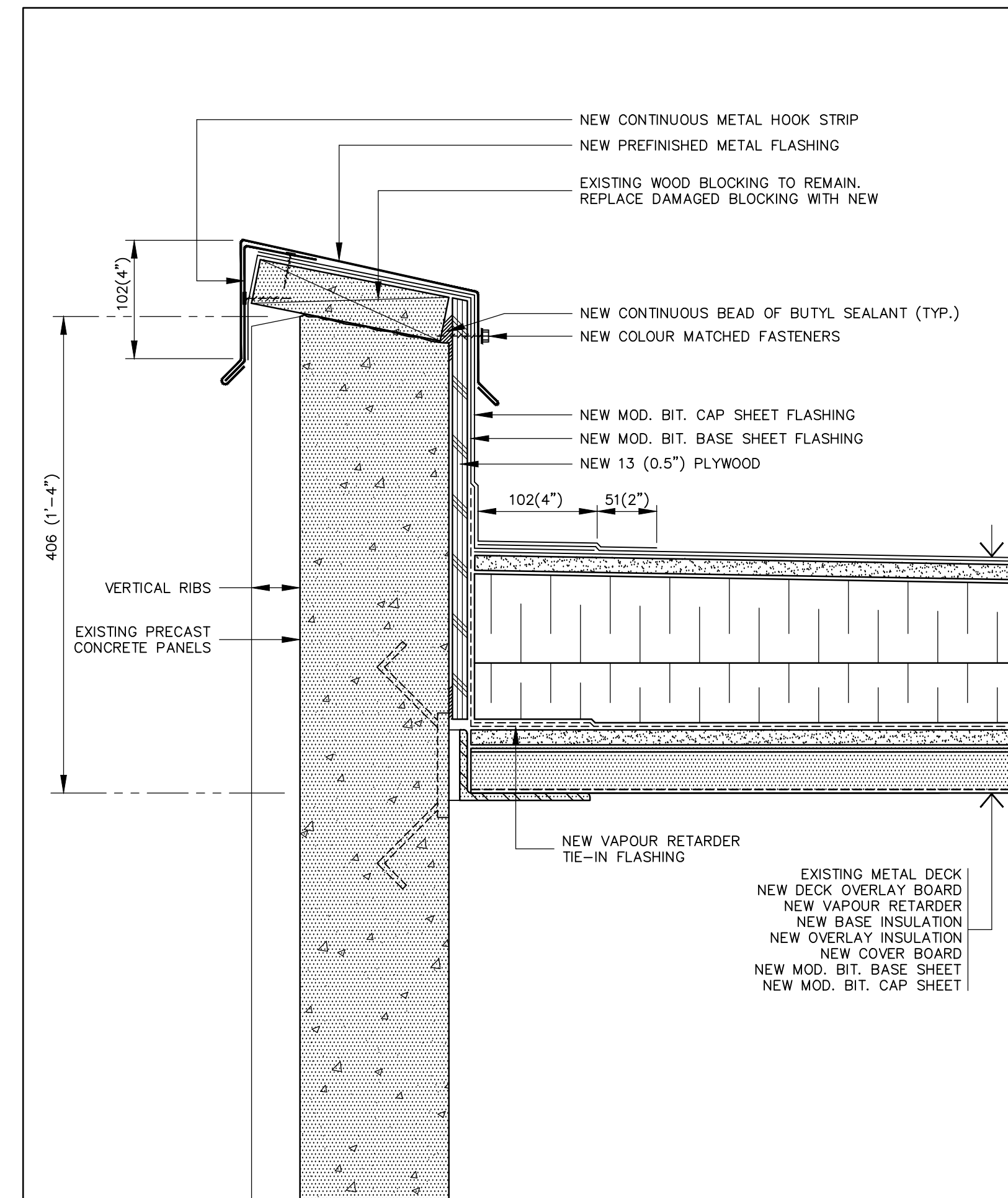
9 WALL FLASHING DETAIL AT WINDOW SILL
A6 SCALE: 1:4



10 TIE-IN AT METAL PANELS
A6 SCALE: 1:4



11 DECK CLOSURE DETAIL
A6 SCALE: 1:4



12 PERIMETER DETAIL
A6 SCALE: 1:4

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revision		date

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B	No. du détail
C	drawing no. - where detail required dessin no. - où détail exigé
	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
HARROW Ontario
AGRICULTURE & AGRI-FOODS CANADA
2585 COUNTY ROAD 20

ROOF REPLACEMENT

drawing title
titre du dessin
ROOFING DETAILS 2

drawn by
dessiné par
IRC GROUP: B.M.W.

designed by
conc par
IRC GROUP: A.J.D.

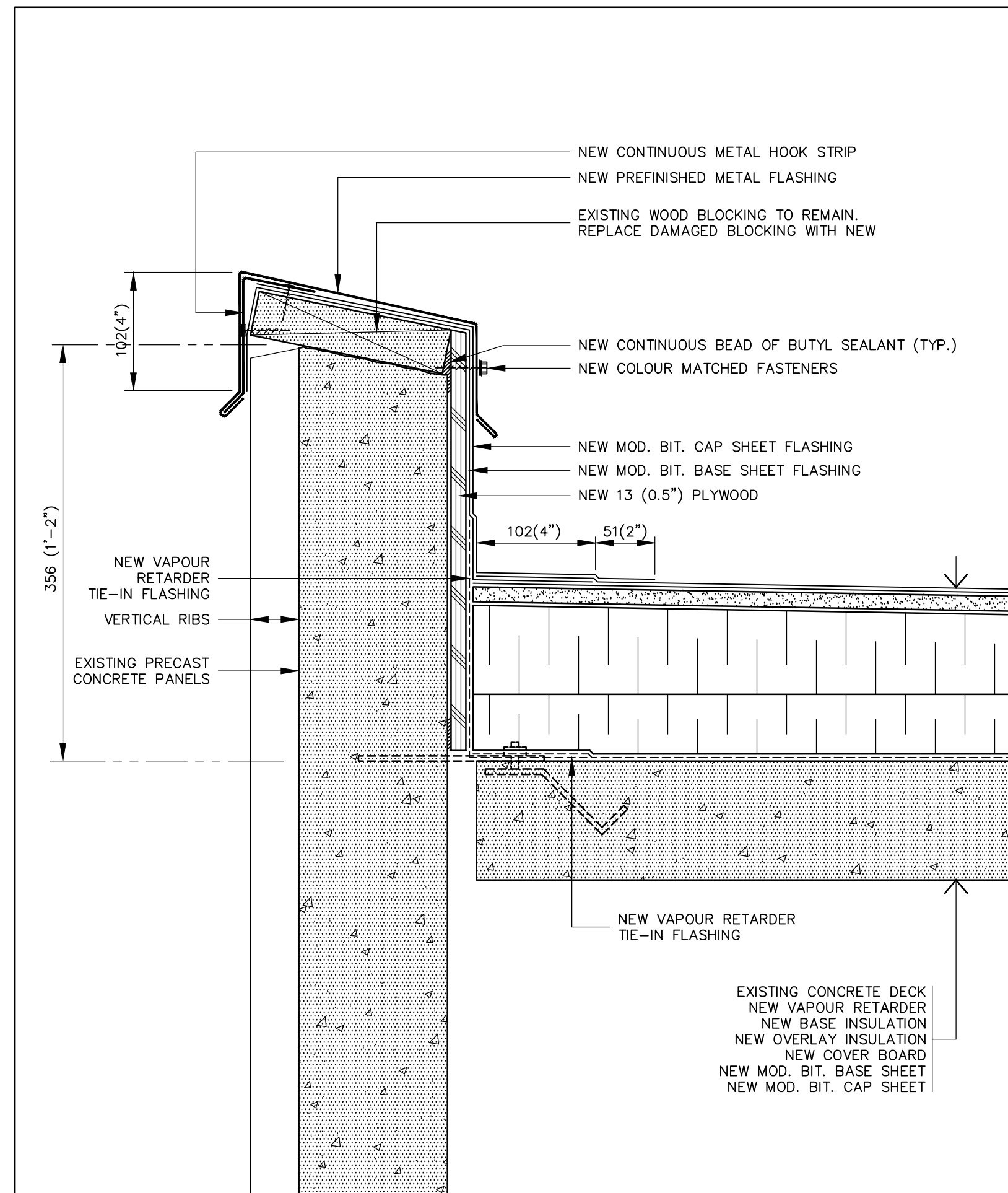
approved by
approuvé par
IRC GROUP: T.K.C.

bid
offre
M.B. project manager
administrateur
de projets

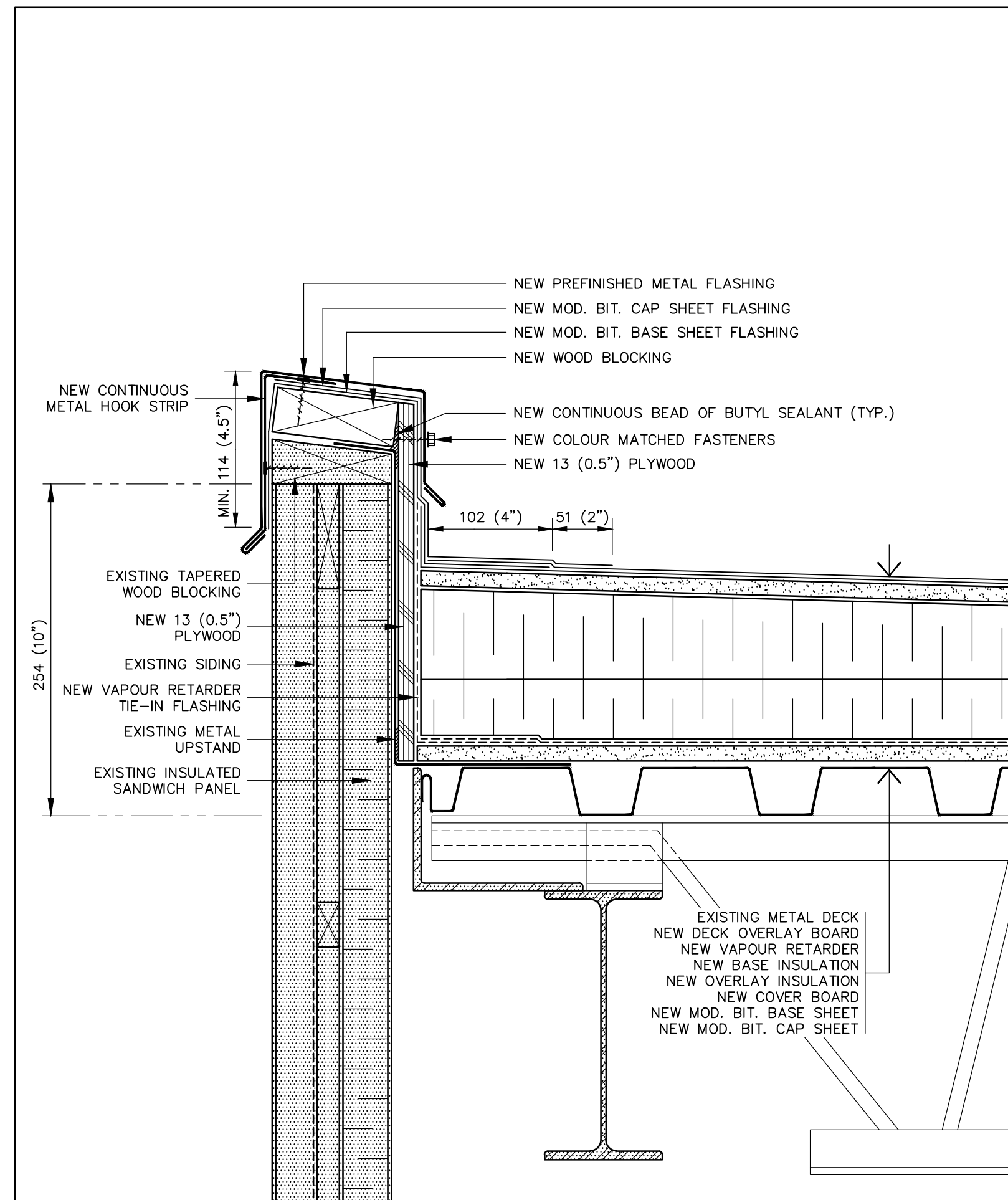
project date
date du projet
2016-04-04

project no.
no. du projet
R.076726.001 PWGSC #: R.076726.001

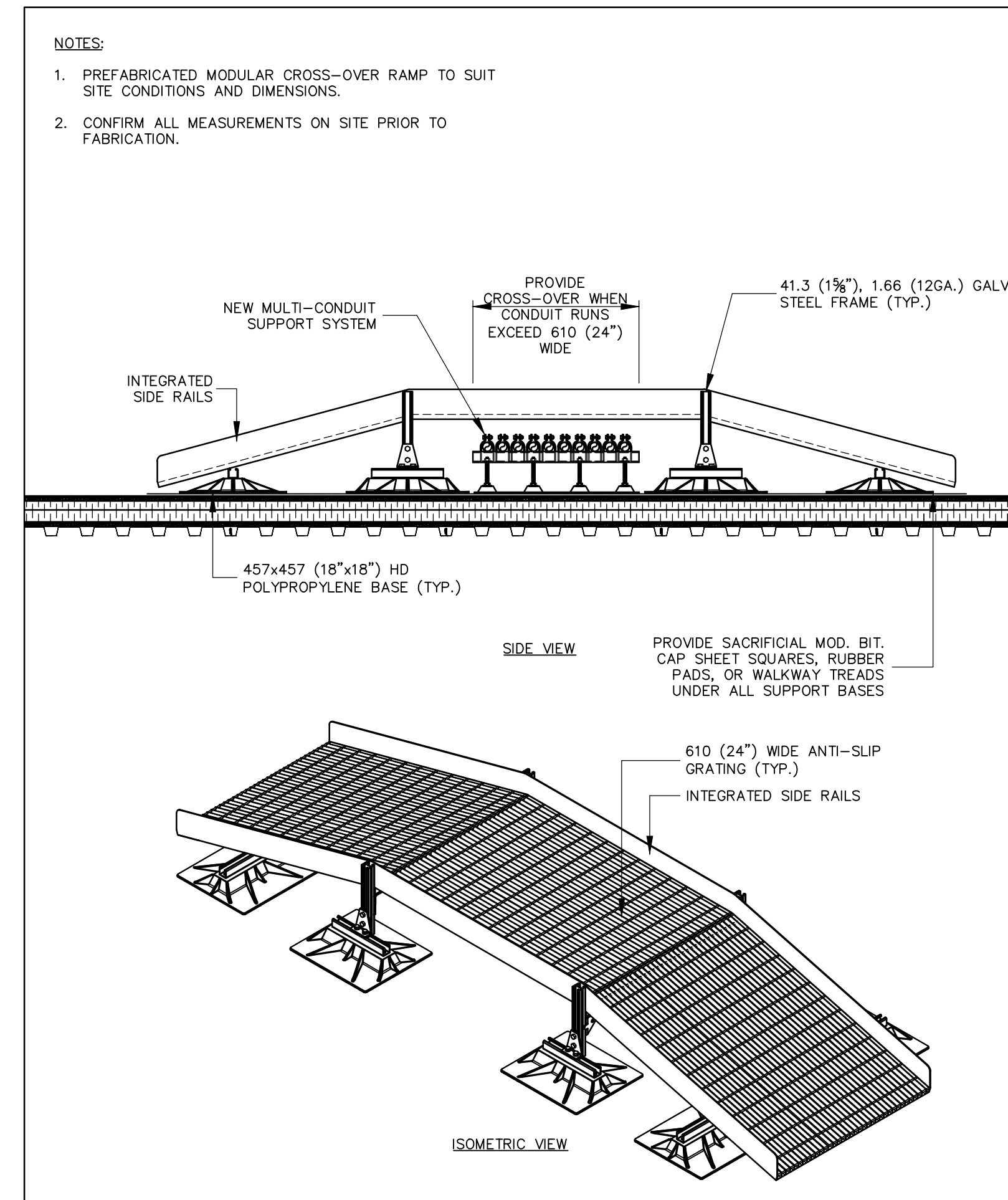
drawing no.
dessiné no.
A6



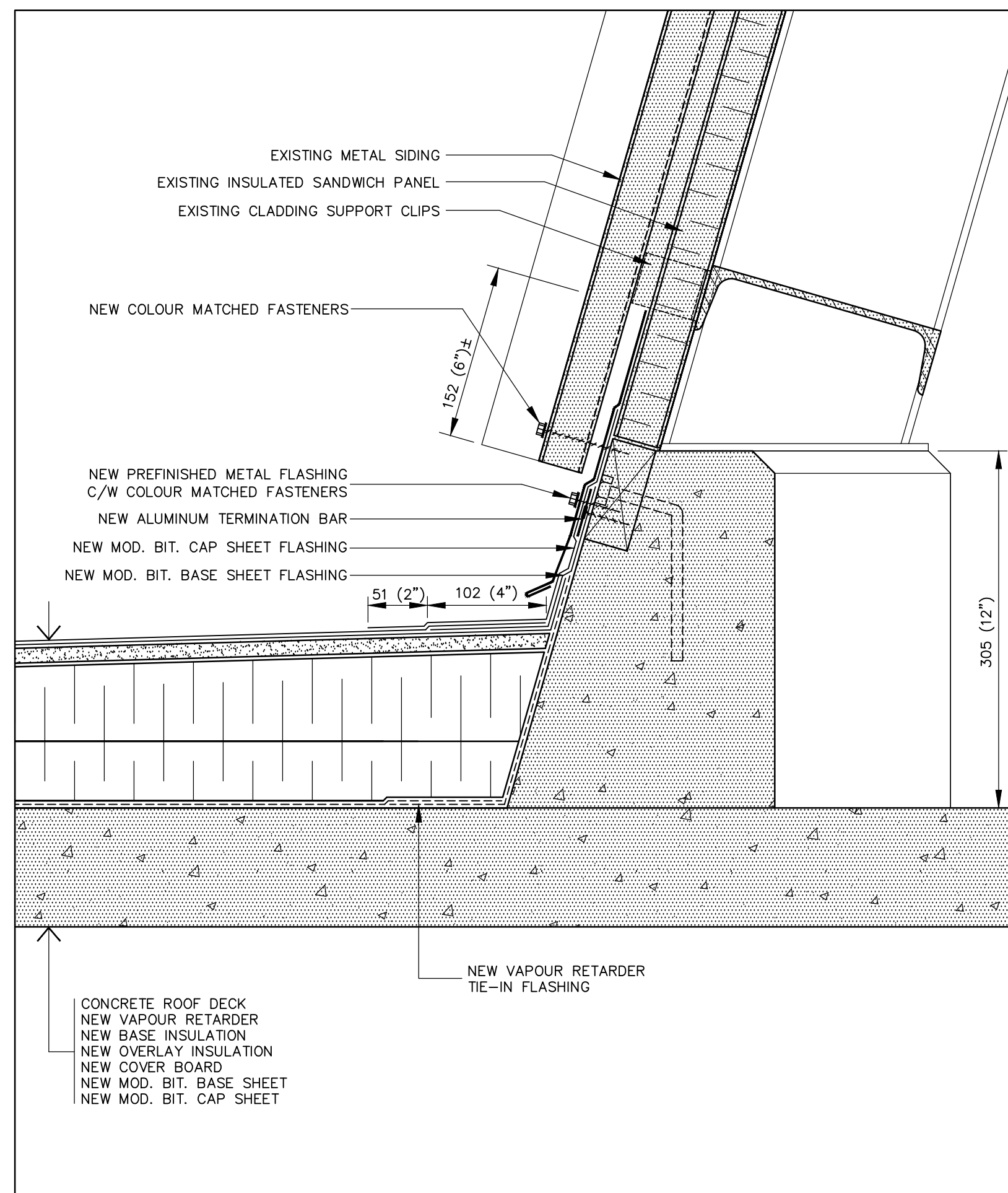
13 PERIMETER FLASHING DETAIL
A7 SCALE : 1:4



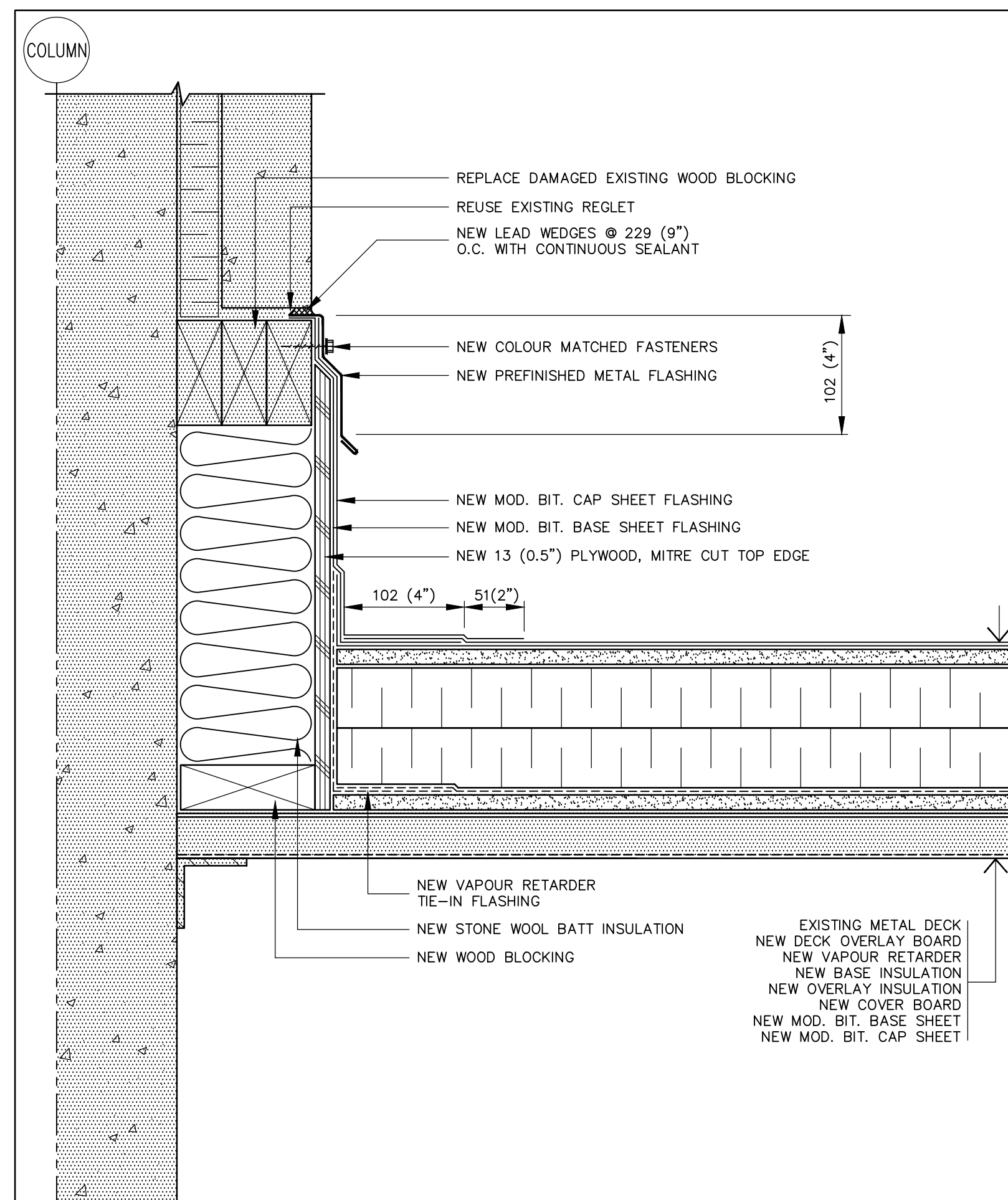
14 PERIMETER FLASHING DETAIL
A7 SCALE : 1:4



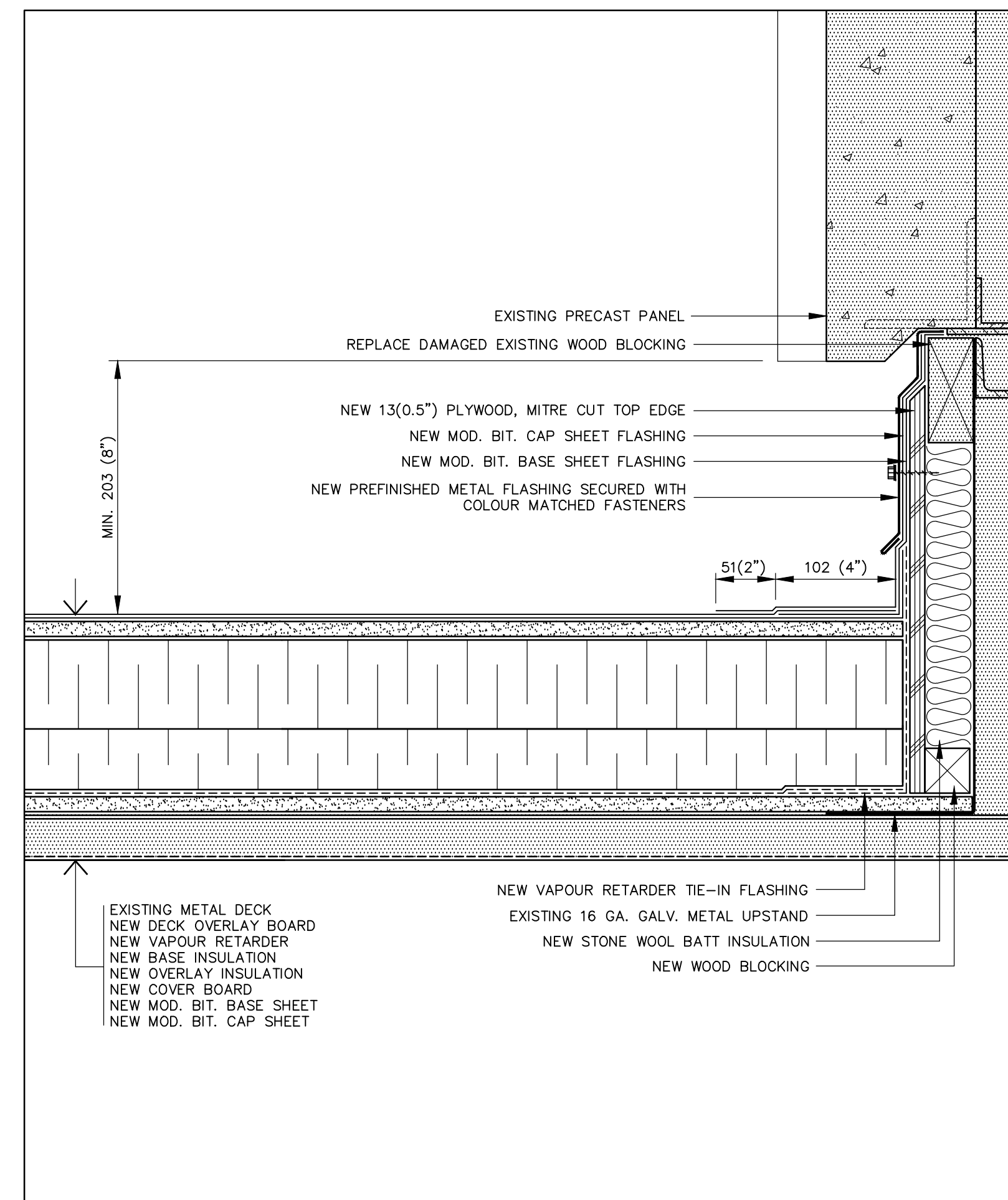
15 CROSS-OVER RAMP
A7 SCALE : 1:20



16 TIE-IN @ METAL ROOF PANEL DETAIL
A7 SCALE : 1:4



17 REGLET DETAIL
A7 SCALE : 1:4



18 REGLET DETAIL
A7 SCALE : 1:4

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01	
revision	date

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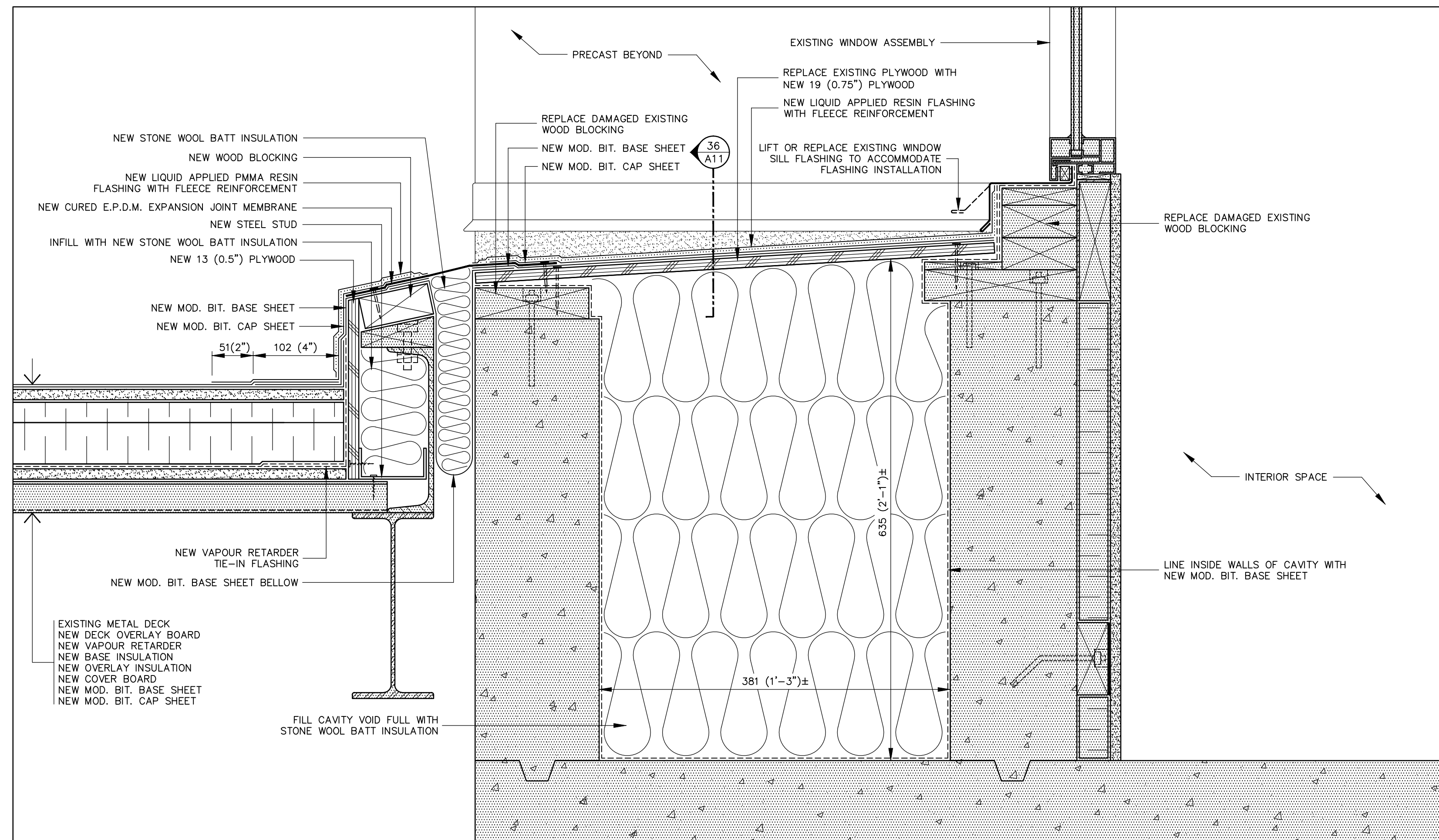
A	Detail No.
B	No. du détail
C	drawing no. - where detail required dessin no. - où détail exigé
	drawing no. - where detailed dessin no. - où détaillé

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2585 COUNTY ROAD 20

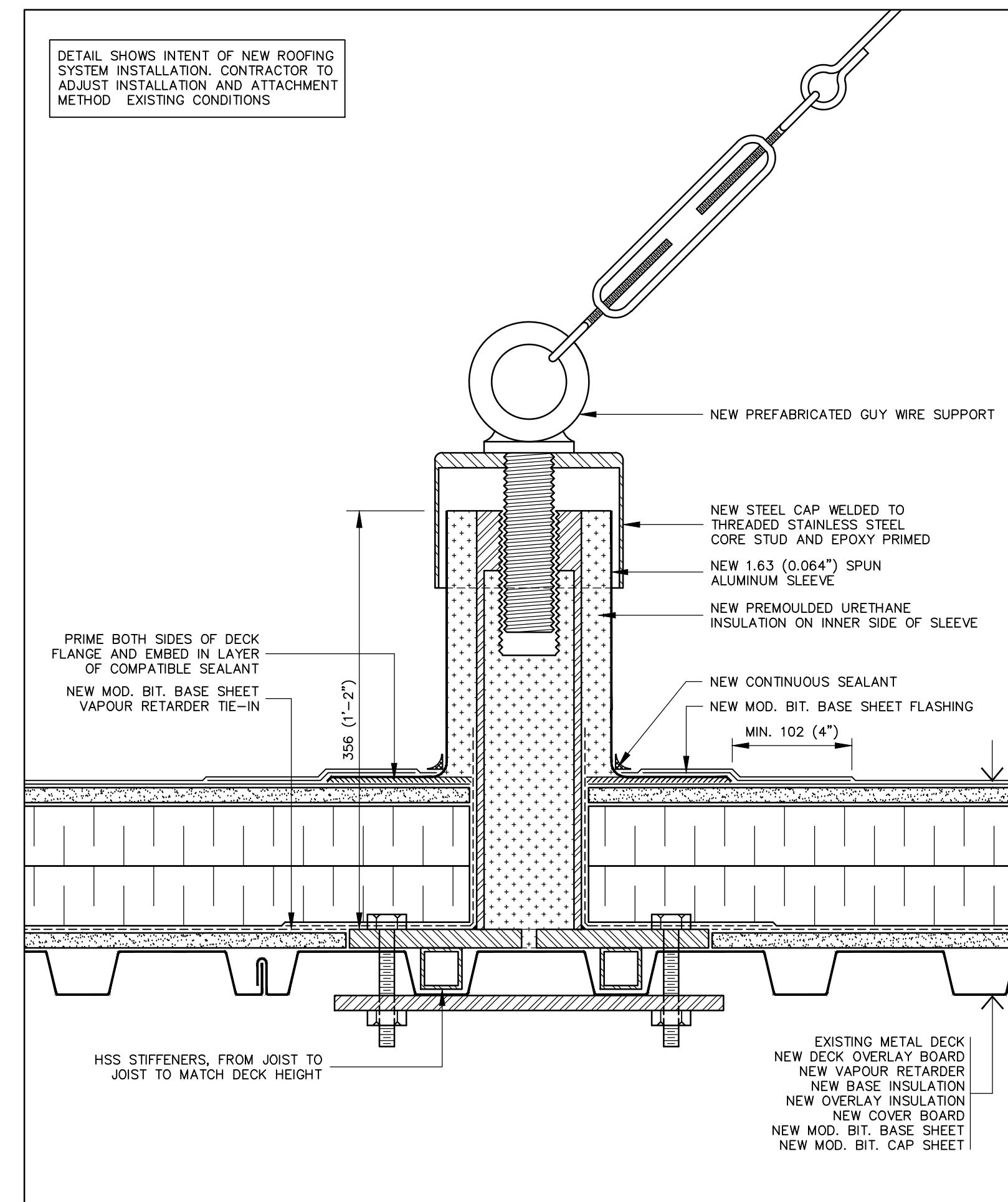
ROOF REPLACEMENT

drawing title
titre du dessin
ROOFING DETAILS 3

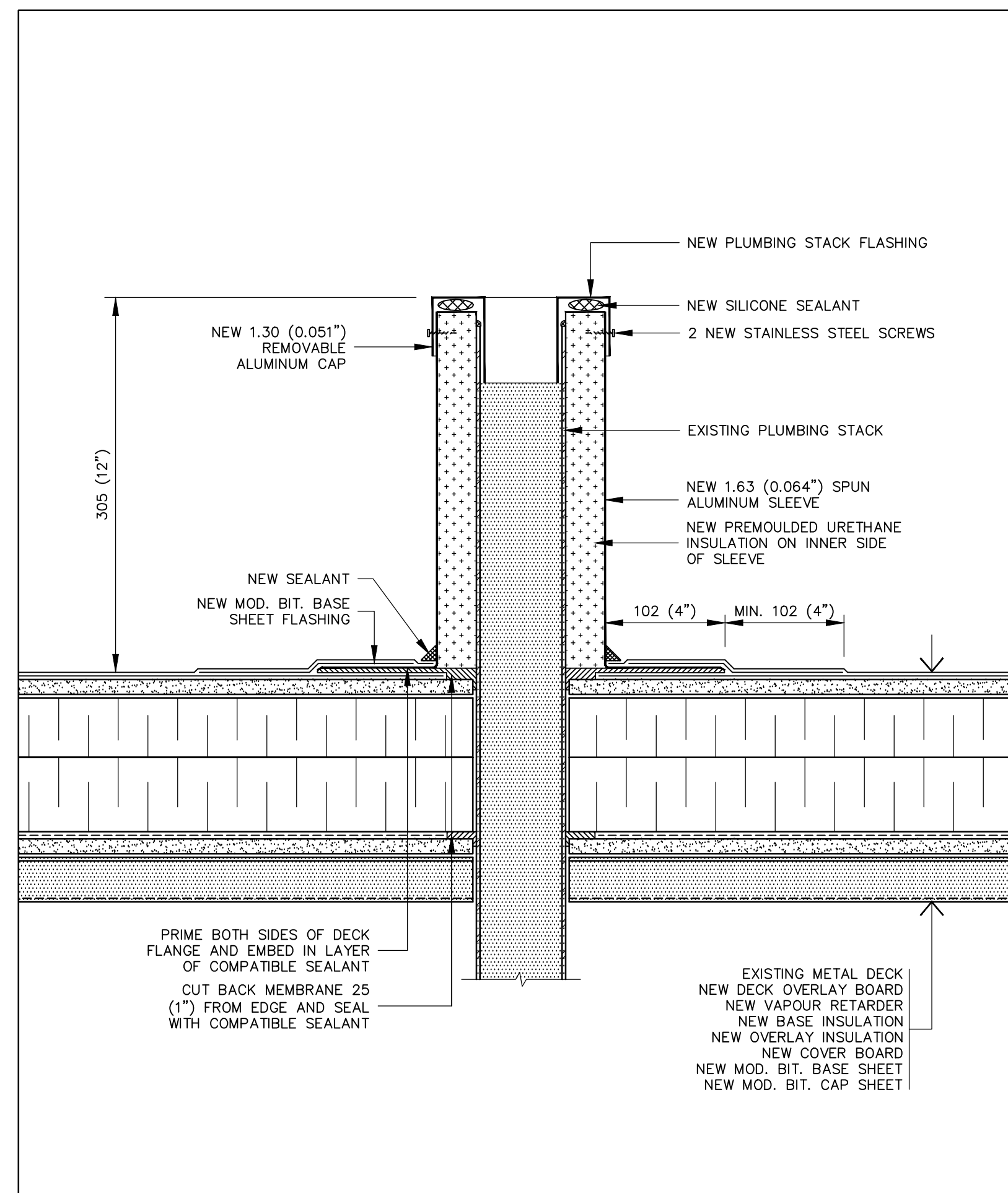
drawn by dessiné par	IRC GROUP: B.M.W.
designed by conçu par	IRC GROUP: A.J.D.
approved by approuvé par	IRC GROUP: T.K.C.
bid offre	M.B.
project date date du projet	2016-04-05
project no. no. du projet	R.076726.001
drawing no. dessiné no.	A7



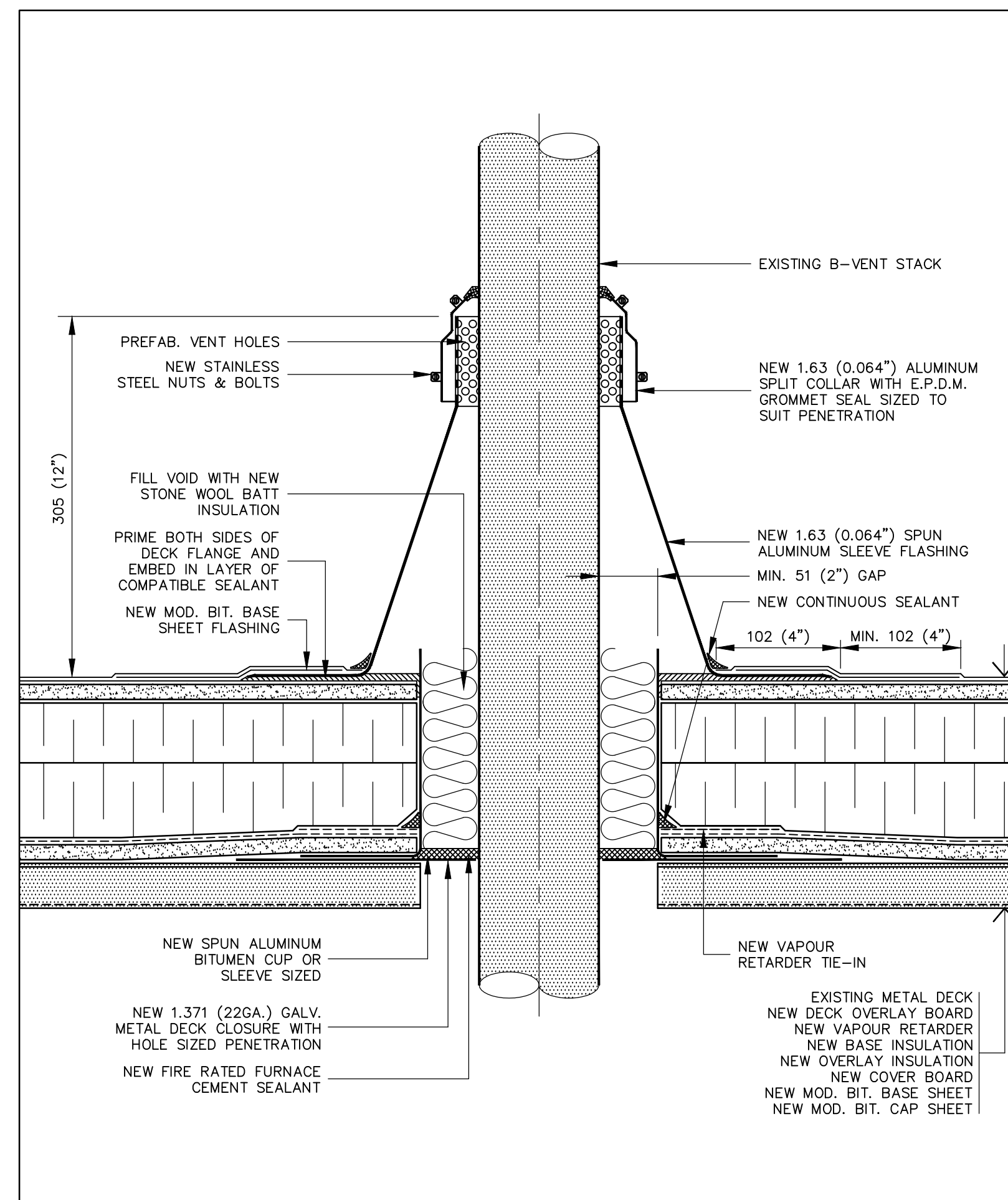
19 EXPANSION JOINT & WINDOW SILL DETAIL
A8 SCALE : 1:4



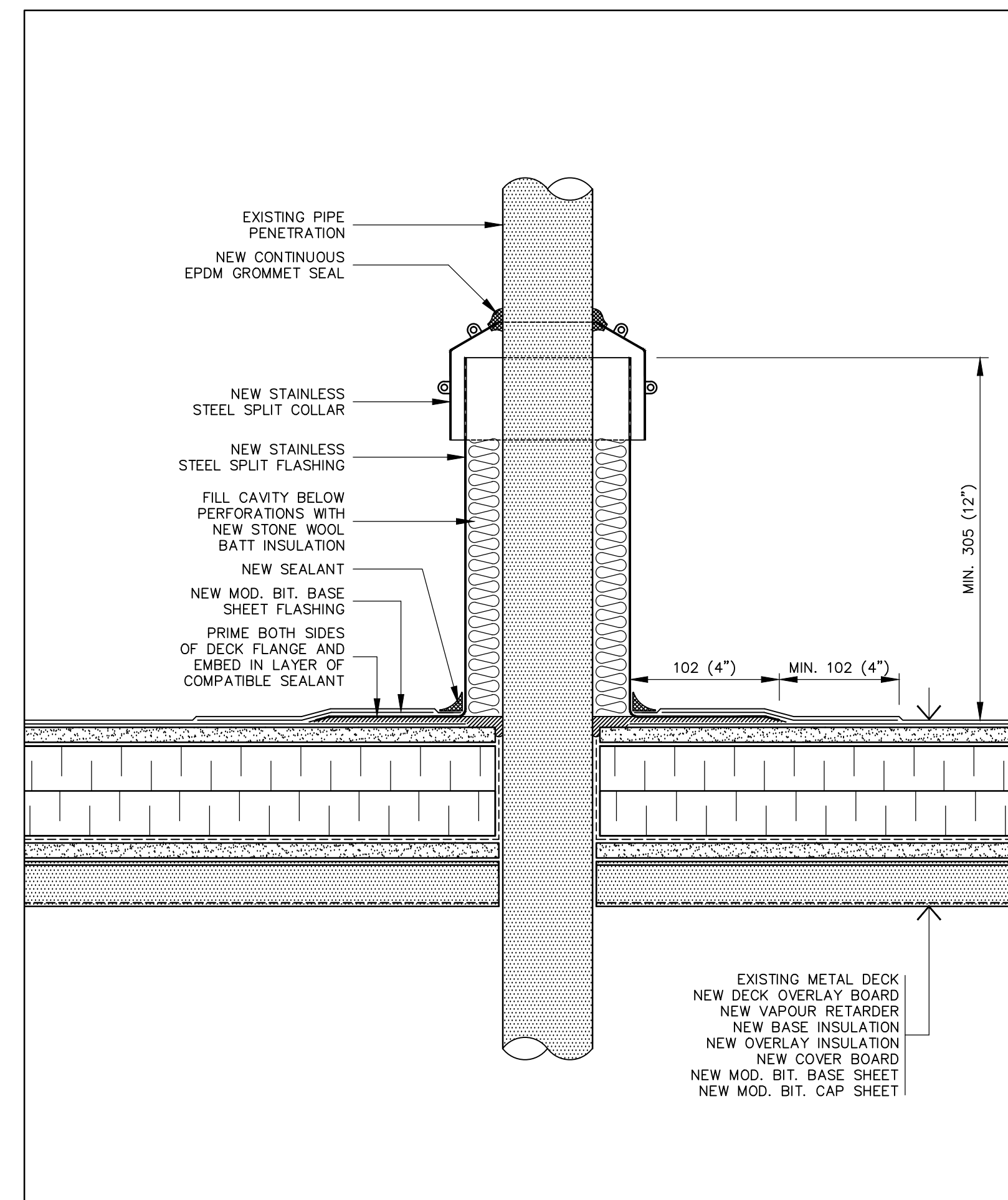
20 GUYWIRE SUPPORT FLASHING DETAIL
A8 SCALE : 1:4



21 PLUMBING STACK FLASHING DETAIL
A8 SCALE : 1:4



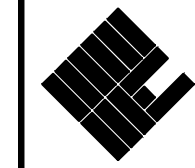
22 B-VENT FLASHING DETAIL
A8 SCALE : 1:4



23 SPLIT FLASHING DETAIL
A8 SCALE : 1:4



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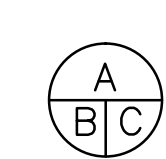
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A Detail No.
B No. du détail
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dessin no. - où détail exigé

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HARROW Ontario
AGRICULTURE & AGRI-FOODS CANADA
2585 COUNTY ROAD 20

ROOF REPLACEMENT

drawing title
titre du dessin
ROOFING DETAILS 4

drawn by
dessiné par **IRC GROUP: B.M.W.**

designed by
conçue par **IRC GROUP: A.J.D.**

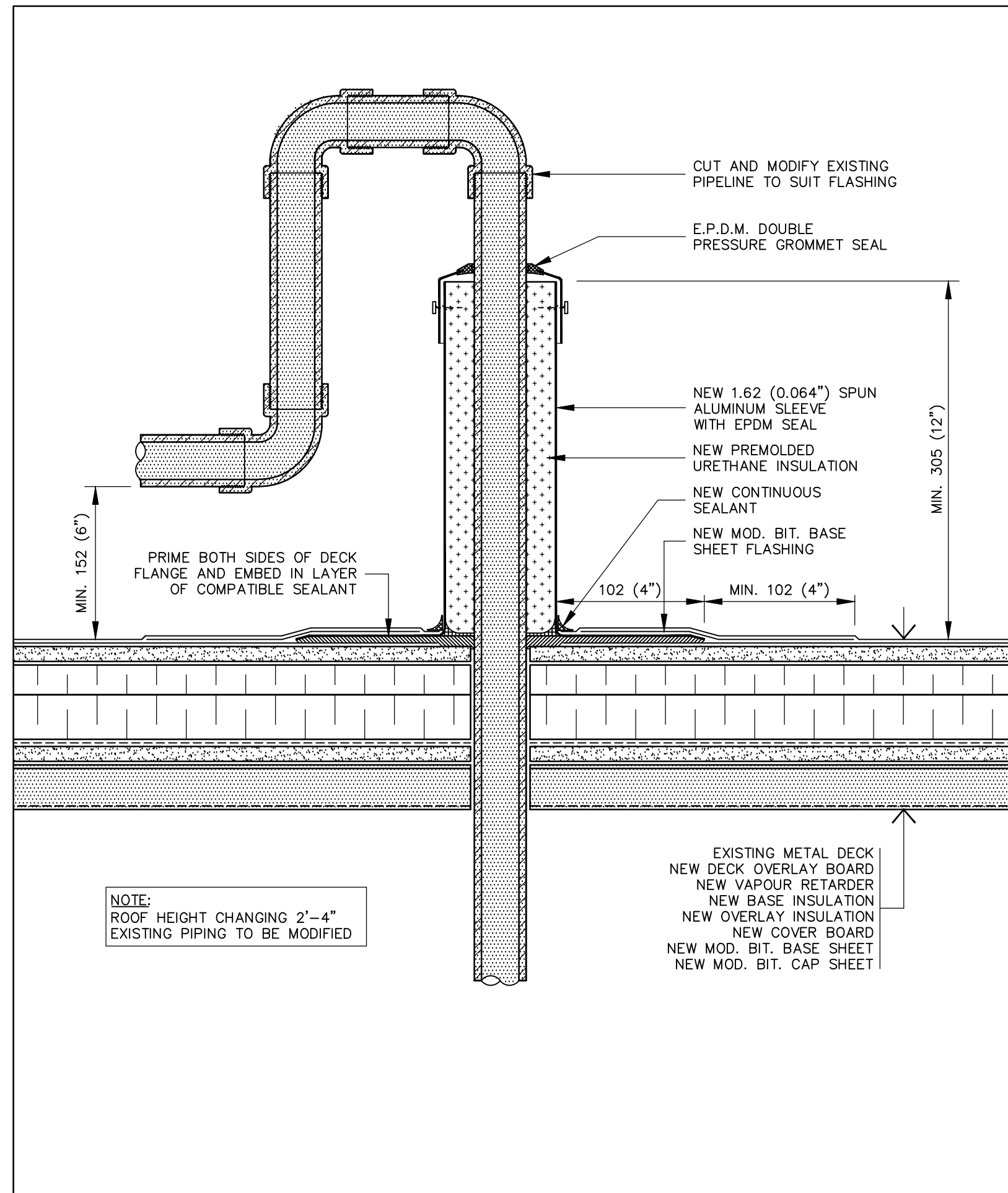
approved by
approuvé par **IRC GROUP: T.K.C.**

bid
offre **M.B.** project manager
administrateur de projets

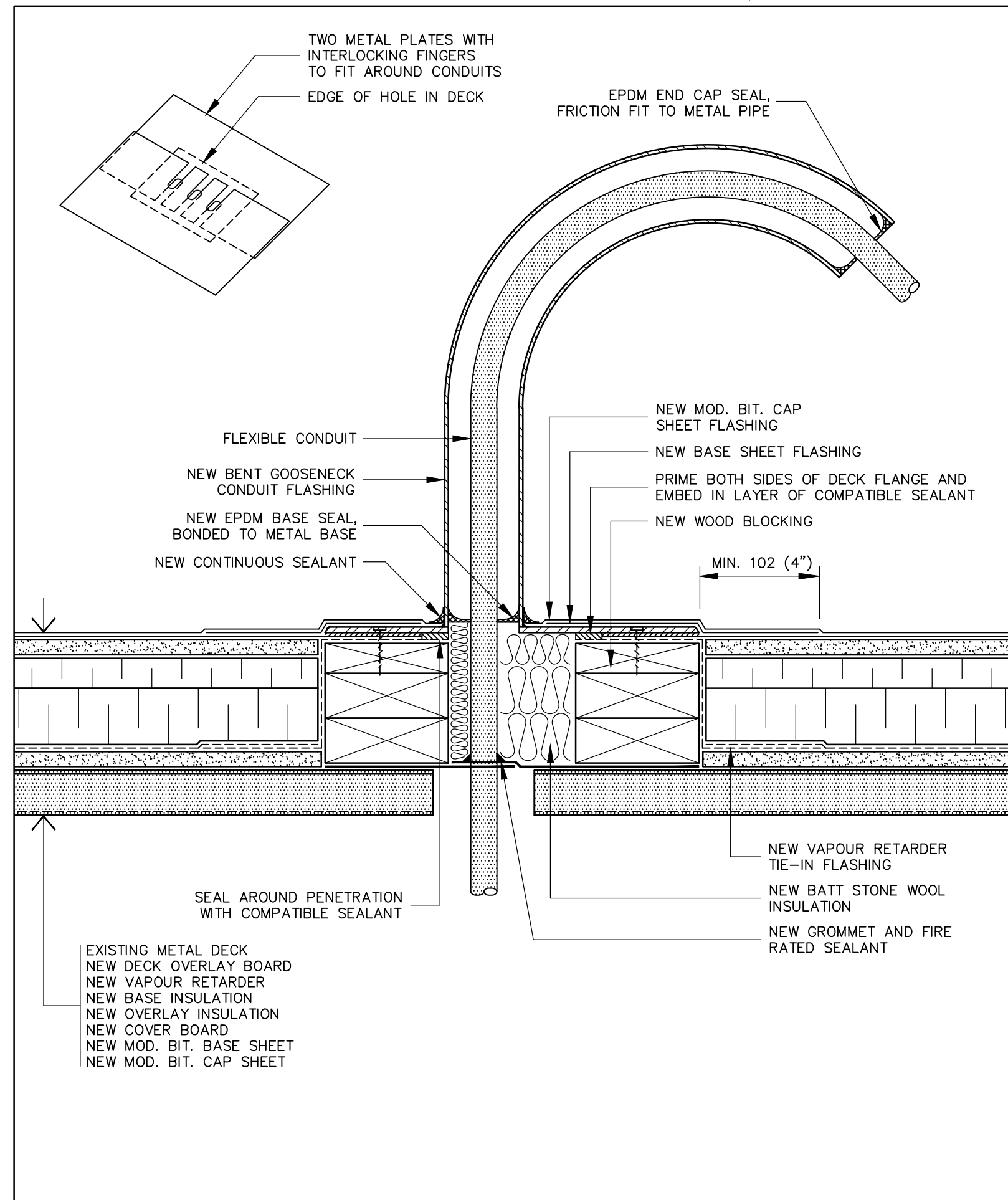
project date
date du projet **2016-04-04**

project no.
no. du projet **R.076726.001** PWGSC #: R.076726.001

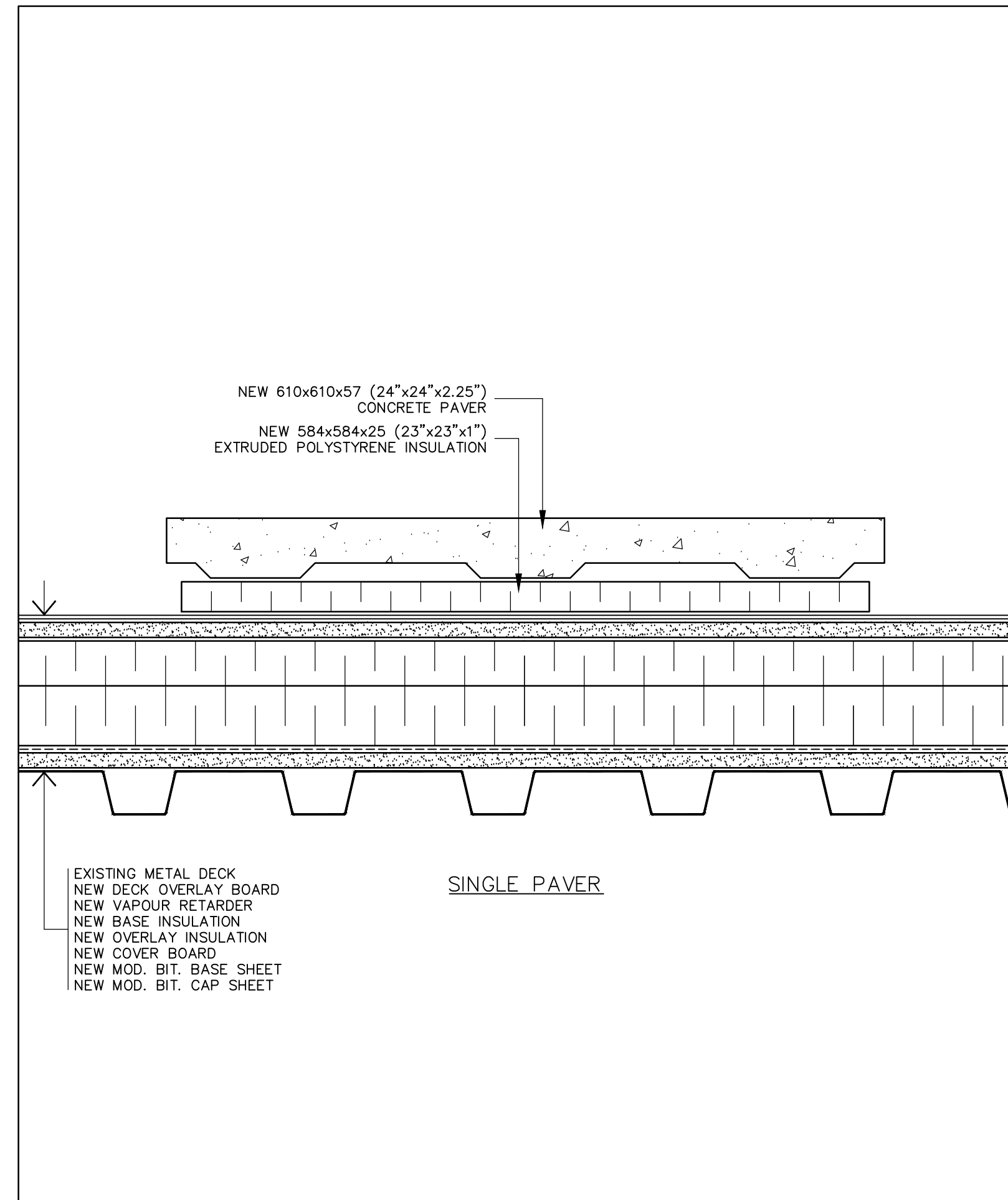
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dessin no. **A8**



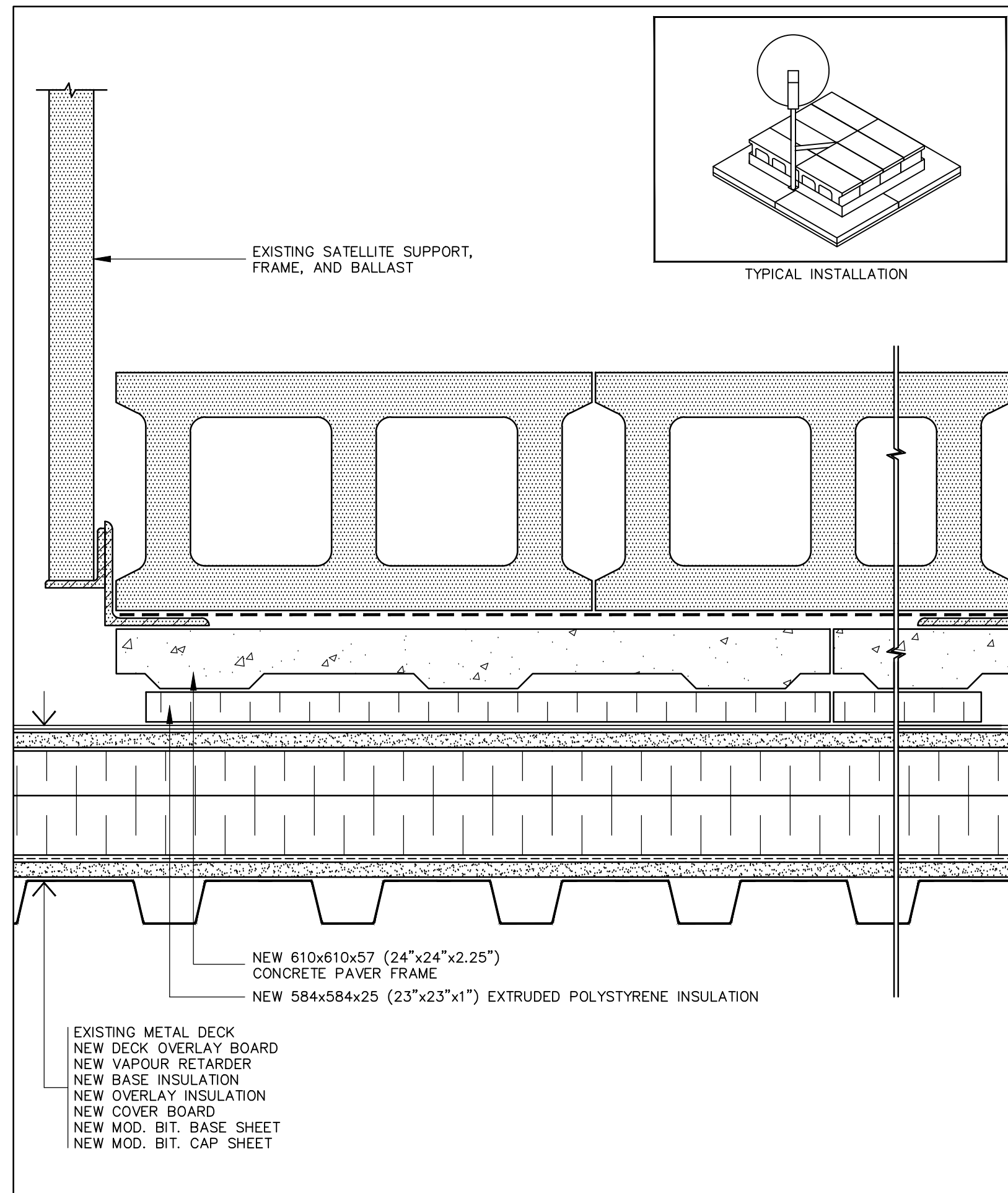
24 PIPE FLASHING DETAIL
A9 SCALE : 1:4



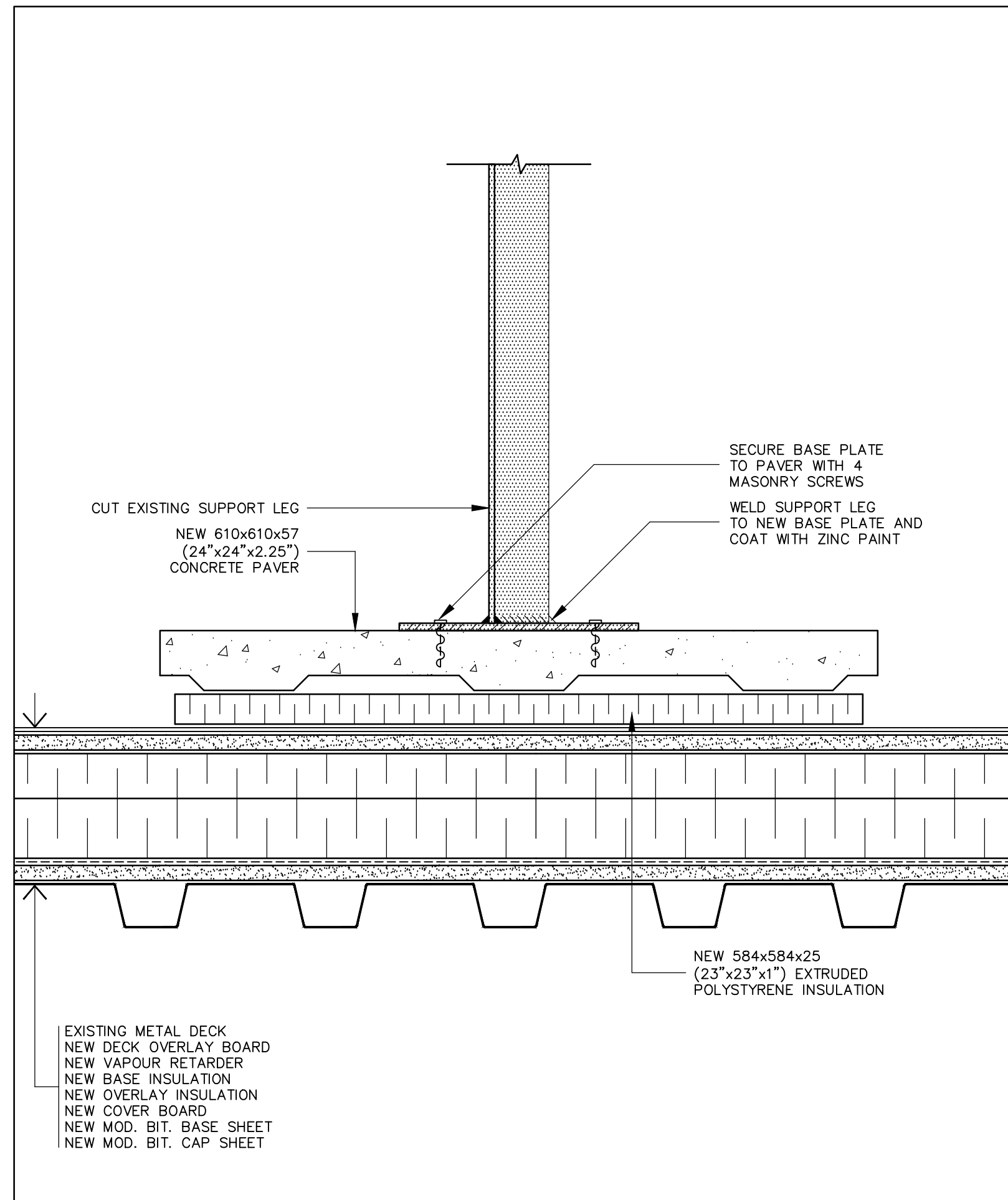
25 NEW FLEXIBLE CONDUIT FLASHING DETAIL
A9 SCALE : 1:4 TMM317



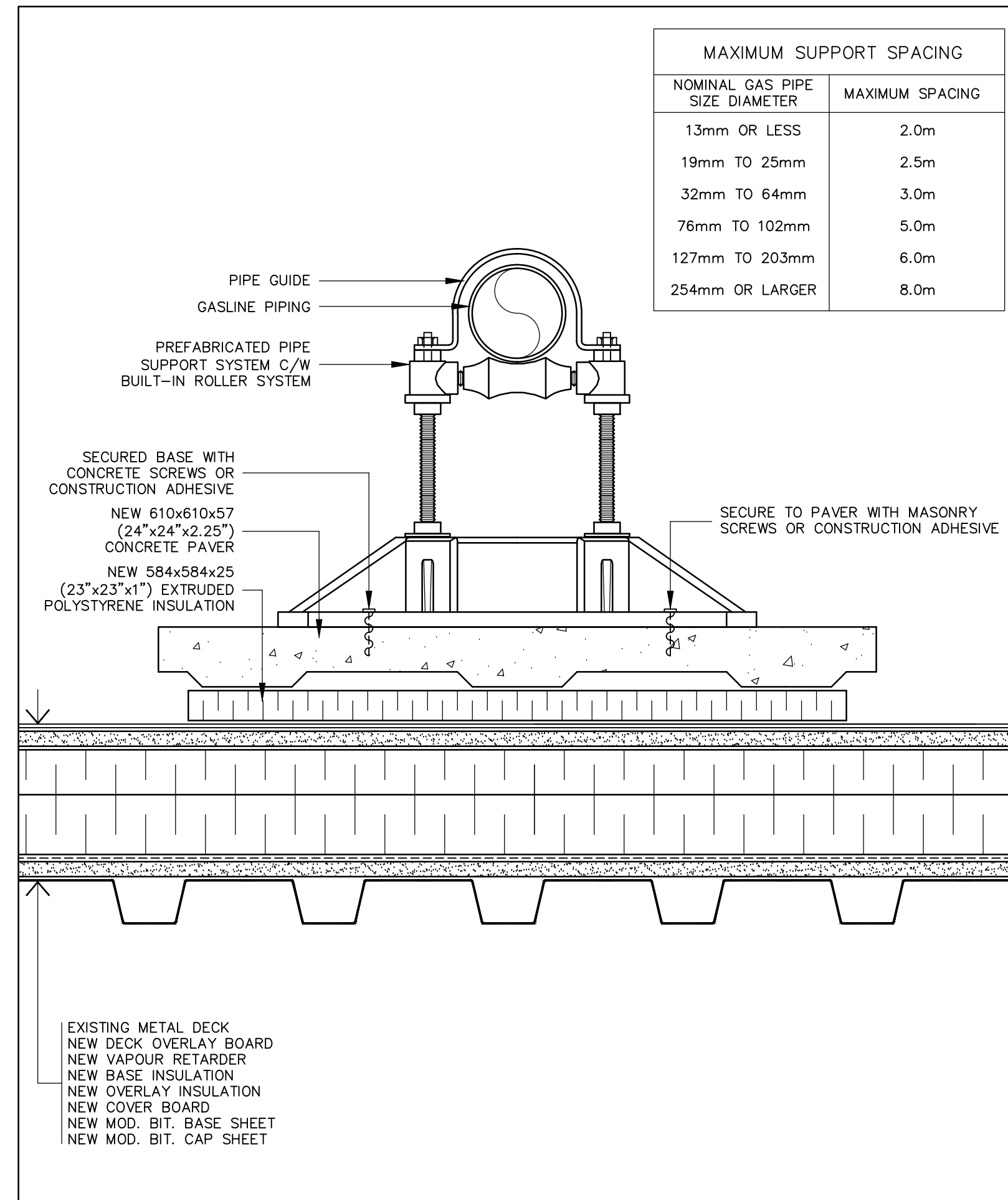
26 WALKWAY/PAVER DETAIL
A9 SCALE : 1:4 VMN905



27 SATELLITE SUPPORT DETAIL
A9 SCALE : 1:4 VMN908



28 DUCT SUPPORT DETAIL
A9 SCALE : 1:4 VMN912



29 GASLINE/CONDUIT SUPPORT DETAIL
A9 SCALE : 1:4 VMN908

STAMP

04		
03		
02		
01		
revision		date

Do not scale drawings.
Verify all dimensions and conditions on site and immediately
notify the Departmental Representative of all discrepancies.

A	Detail No.
B	No. du détail
C	drawing no. - where detail required dessin no. - où détail exigé
	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
HARROW Ontario
AGRICULTURE & AGRI-FOODS CANADA
2585 COUNTY ROAD 20

ROOF REPLACEMENT

ROOFING DETAILS 5

drawn by
dessiné par **IRC GROUP: B.M.W.**

designed by
conçu par **IRC GROUP: A.J.D.**

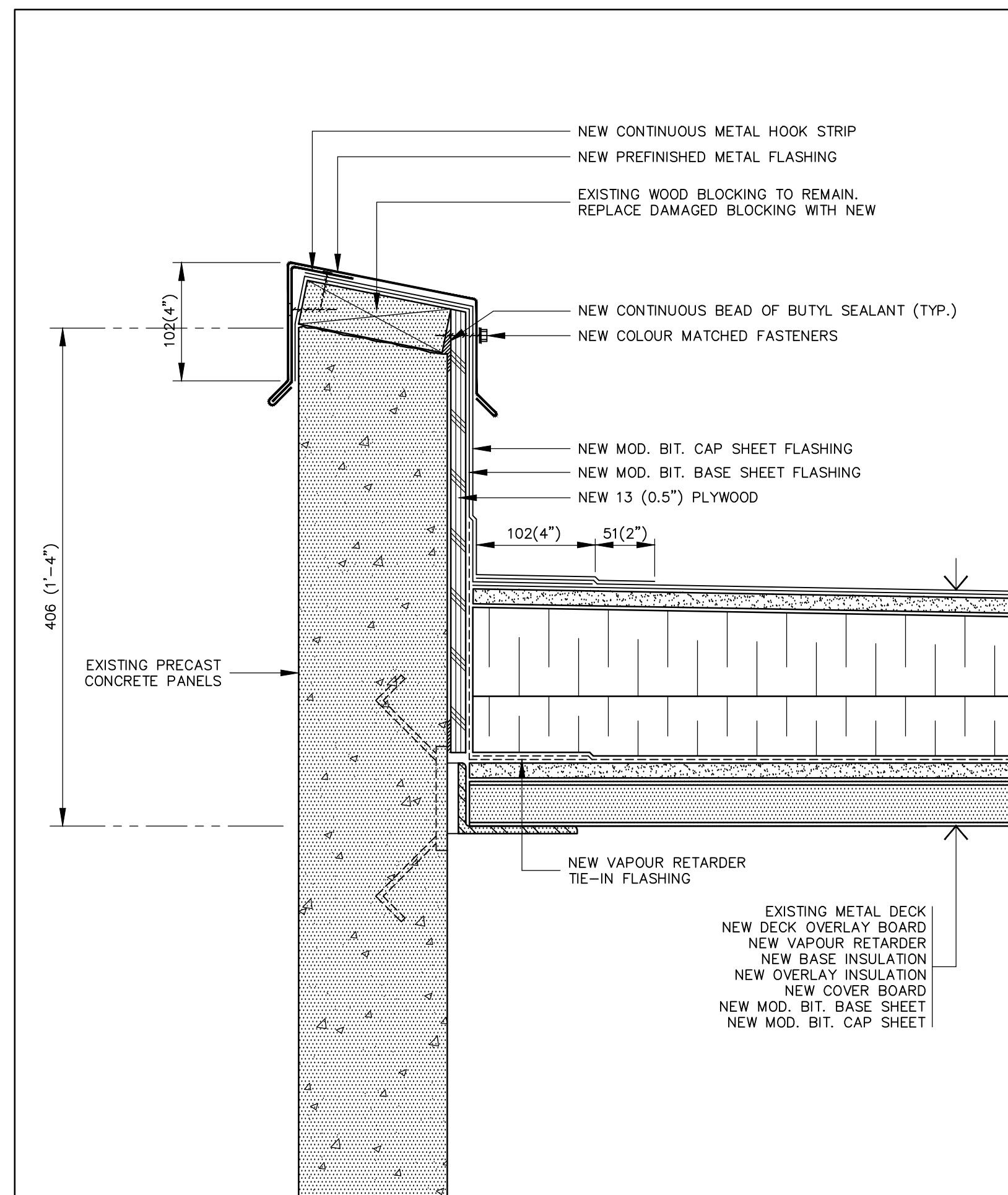
approved by
approuvé par **IRC GROUP: T.K.C.**

bid submission
soumission **M.B.** project manager
administrateur de projets

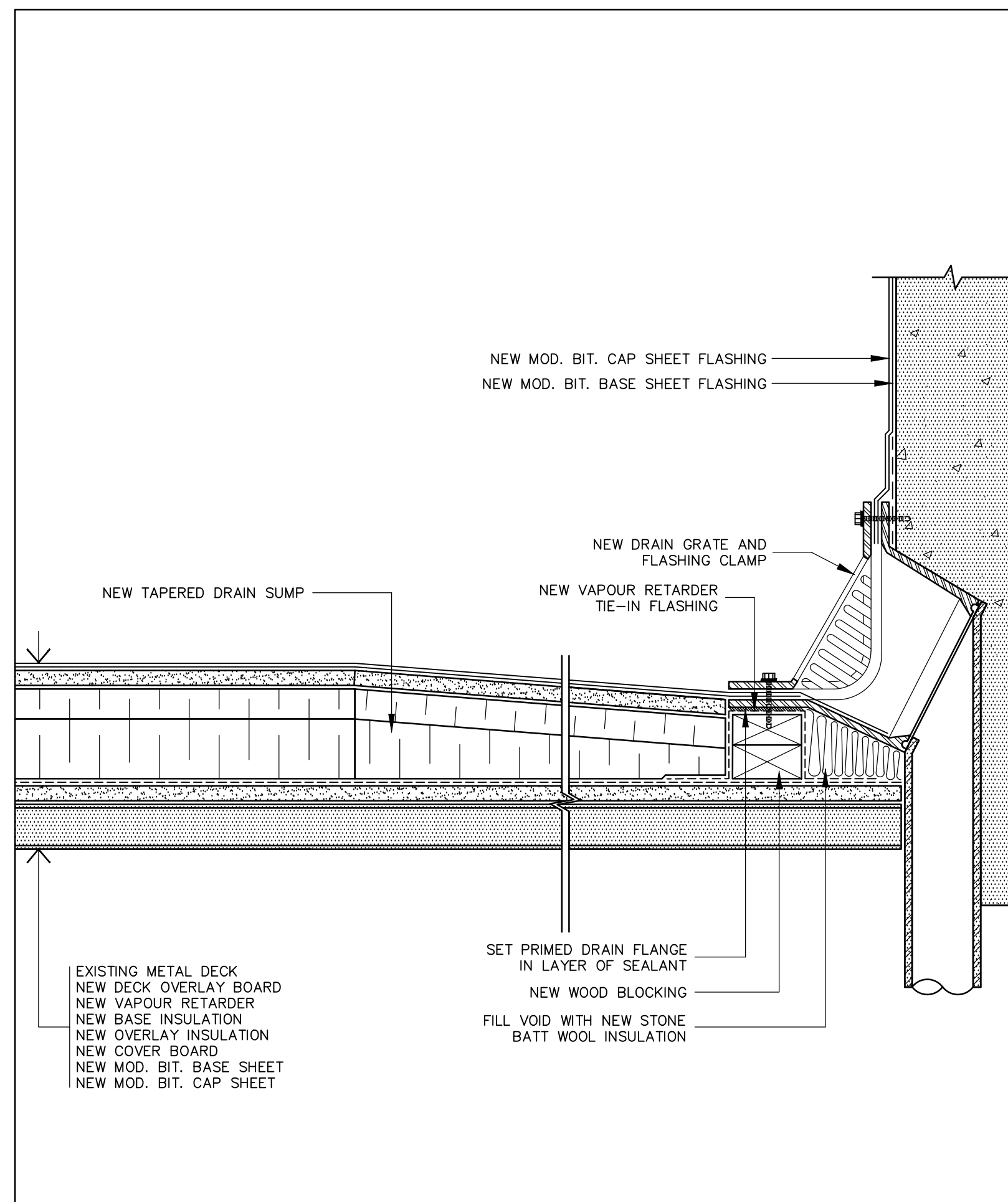
project date
date du projet **2016-04-04** PWGSC #: R.076726.001

project no.
no. du projet **R.076726.001**

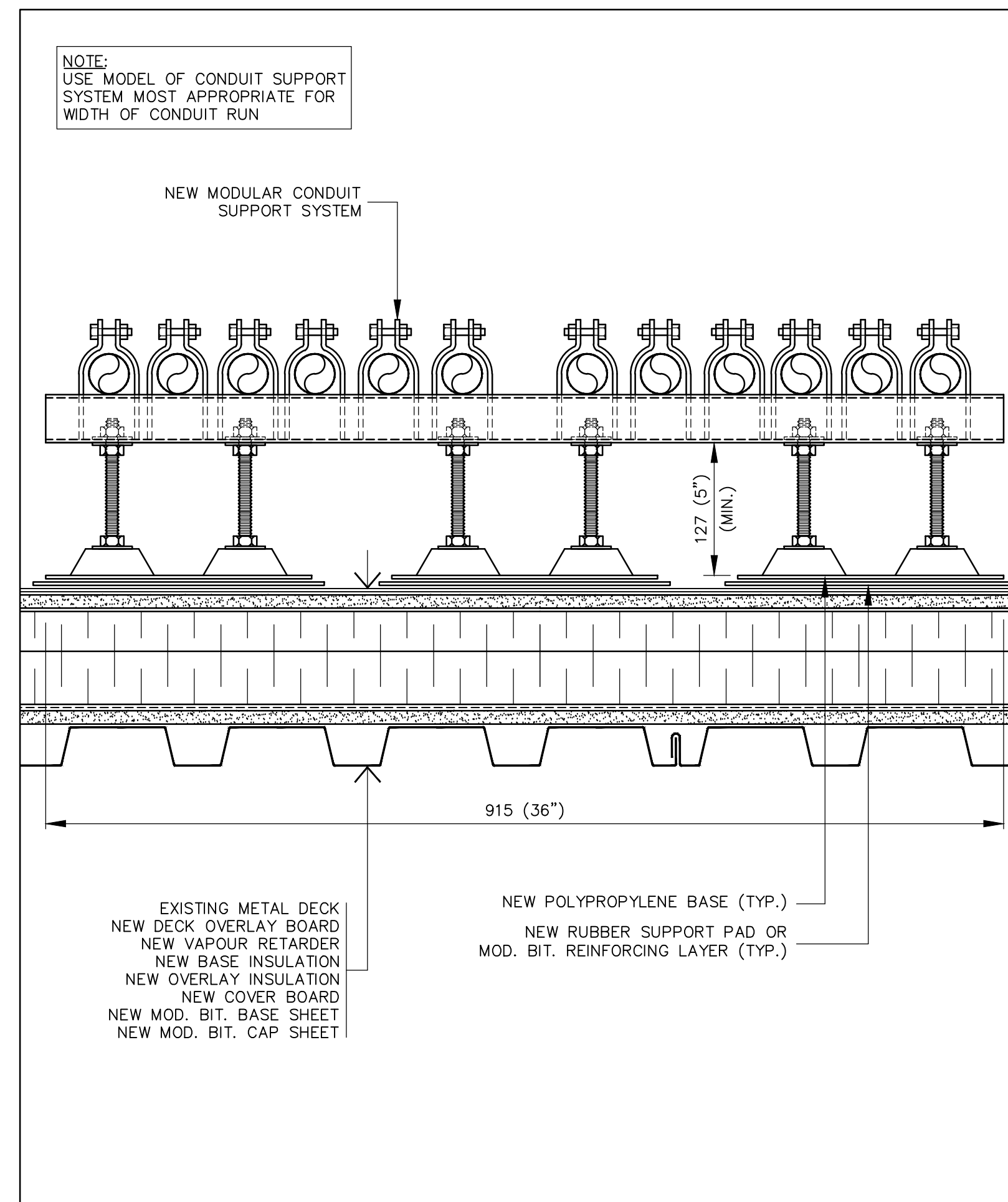
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dessiné par **A9**



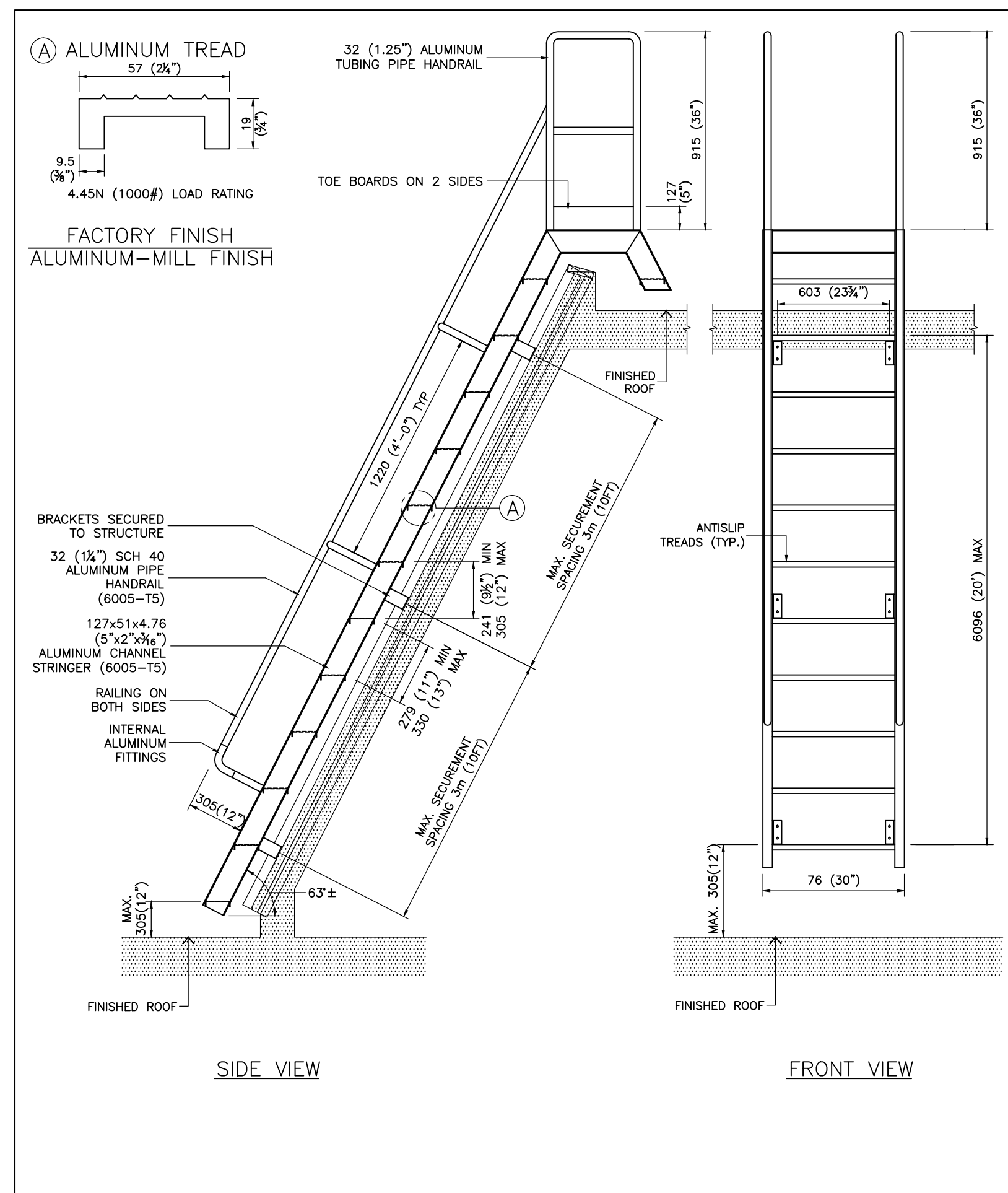
30 PERIMETER DETAIL
A10 SCALE : 1:4



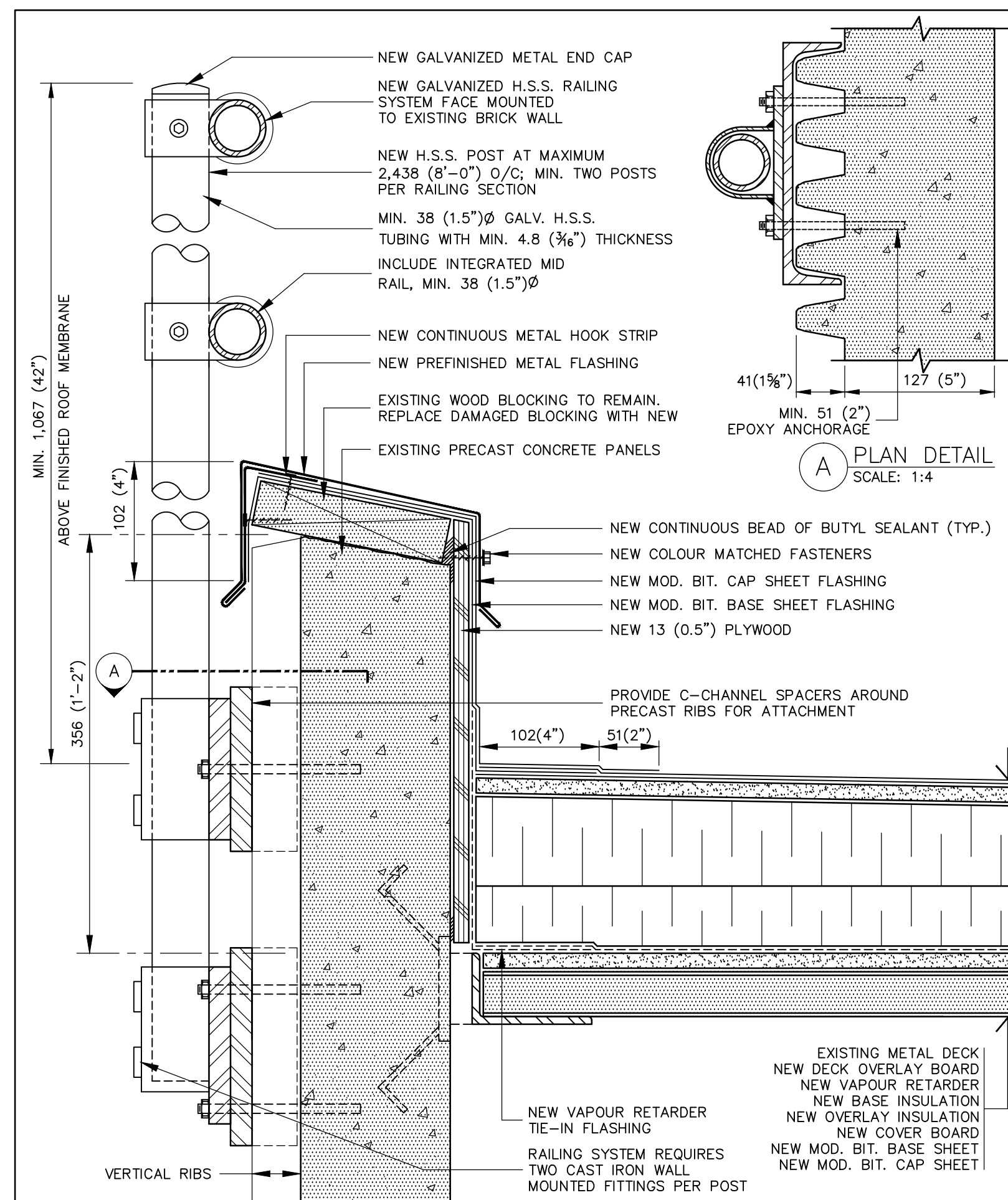
31 WALL DRAIN FLASHING DETAIL
A10 SCALE : 1:4



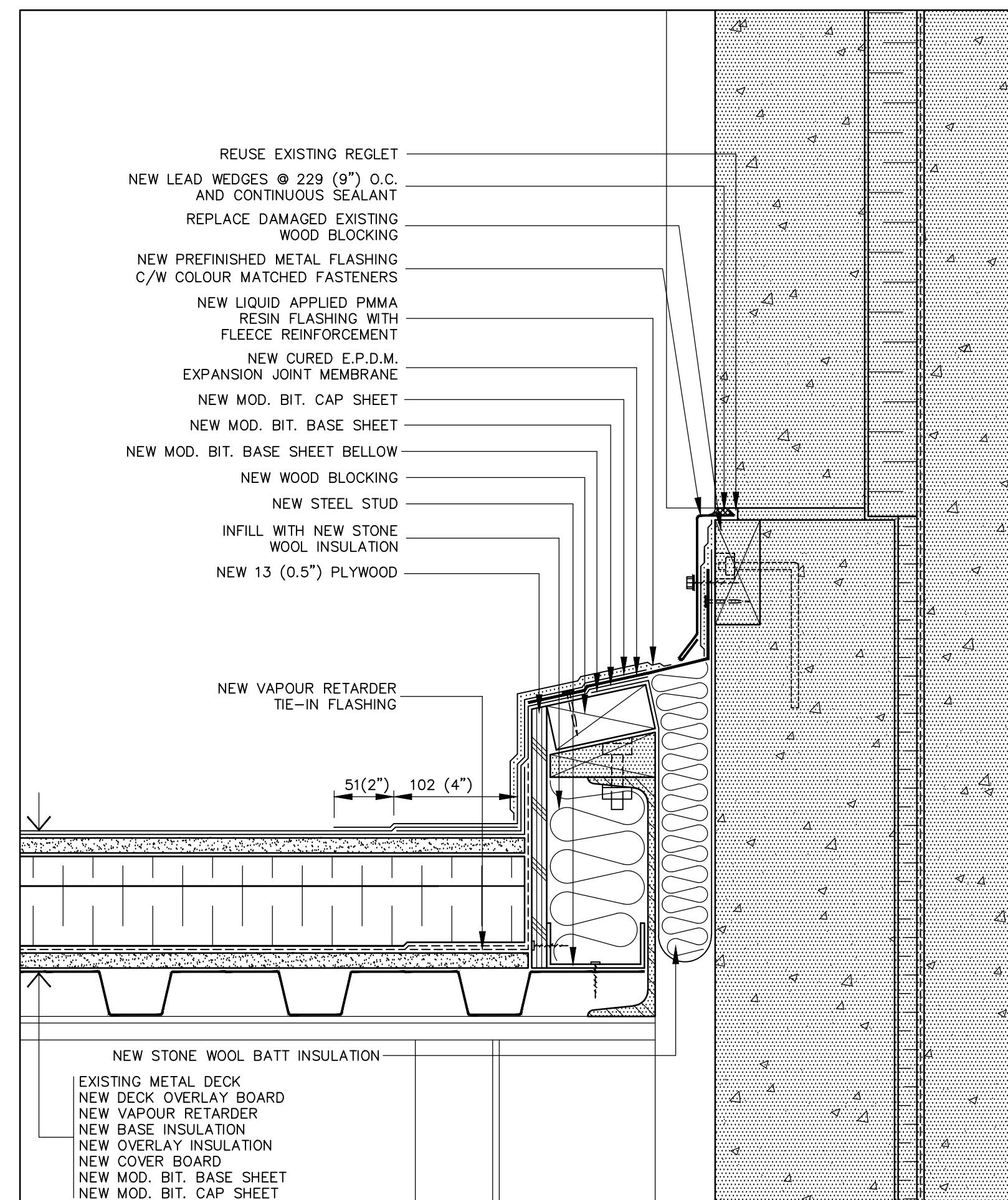
32 MULTI-CONDUIT SUPPORT DETAIL
A10 SCALE : 1:5



33 ALUMINUM SHIPS LADDER TO ROOF HATCH
A10 SCALE : N.T.S.



34 WALL MOUNTED RAILING DETAIL
A10 SCALE : 1:4



35 EXPANSION JOINT FLASHING DETAIL
A10 SCALE : 1:4

STAMP		
04		
03		
02		
01		
revision		date

Do not scale drawings.
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A	Detail No.
B	No. du détail
C	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
HARROW Ontario
AGRICULTURE & AGRI-FOODS CANADA
2585 COUNTY ROAD 20

ROOF REPLACEMENT

drawing title
titre du dessin
ROOFING DETAILS 6

drawn by
dessiné par
IRC GROUP: B.M.W.

designed by
conc par
IRC GROUP: A.J.D.

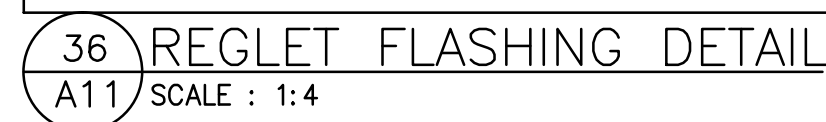
approved by
approuvé par
IRC GROUP: T.K.C.

bid
offre
M.B. project manager
administrateur de projets

project date
date du projet
2016-04-04

project no.
no. du projet
R.076726.001 PWGSC #: R.076726.001

drawing no.
dessiné no.
A10



- 38 CROSS-OVER STAIRS
A11 SCALE : 1:20



40 NOT USED
A11 SCALE : 1:4

41 NOT USED
A11 SCALE : 1:4

