

GENERAL NOTES:

The work of these drawings to be completed in combination with specifications documents. In the event there is a discrepancy between these notes and the specifications, the specifications will take precedence. All Site Dimensions to be confirmed by Contractor on site and to be reviewed by consultant Referenced drawings to be reviewed by Consultant Reference drawings: As-built drawings by Associated Engineering Ltd. Dated January 17, 1973.

05 51 29 Metal Stairs and Ladders
INSTALLATION OF STAIRS

- .1 Install plumb and true in exact locations, using welded connections wherever possible to provide rigid structure. Provide anchor bolts, bolts and plates for connecting ladders to structure.
- .2 Do welding work in accordance with CSA W59 unless specified otherwise.
- .3 Touch up shop primer to bolts, welds, and burned or scratched surfaces at completion of erection.

CLEANING

- .2 Clean and wax plastic handrails immediately prior to final inspection.
- .3 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

06 10 00 Rough Carpentry
INSTALLATION

- .1 Comply with requirements of NBC 2015 Part 9 supplemented by following paragraphs.
- .2 Install members true to line, levels and elevations, square and plumb.
- .3 Construct continuous members from pieces of longest practical length.
- .4 Install spanning members with "crown-edge" up.
- .5 Select exposed framing for appearance. Install lumber materials so that grade-marks and other defacing marks are concealed or are removed by sanding where materials are left exposed.
- .6 Install wall sheathing in accordance with manufacturer's printed instructions.
- .7 Install furring to support siding applied vertically as indicated.
 - .1 Align and plumb faces of furring and blocking to tolerance of 1:600.
- .8 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.
- .9 Install wood cants, fascia backing, nailers, curbs and other wood supports as required and secure using galvanized fasteners.
- .10 Install sleepers as indicated.
- .11 Use dust collectors and high quality respirator masks when cutting or sanding wood panels.

ERECTION

- .1 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .2 Countersink bolts where necessary to provide clearance for other work.
- .3 Use nailing disks for soft sheathing as recommended by sheathing manufacturer.

07 27 00 Air Barriers
EXAMINATION

- .1 Verification of Conditions:
 - .1 Verify substrates to receive Work and surrounding adjacent surfaces are in accordance with Air Barrier Manufacturer published literature prior to installation of self-adhered air barrier assembly.
 - .2 Existing substrate must be continuous and secured prior to application of air barrier.
 - .3 Sheathing panels must be securely fastened and installed flush to ensure a continuous substrate in accordance with Air Barrier Manufacturer published literature.
 - .4 Fastener penetrations must be set flush with sheathing and fastened into solid backing.
 - .5 Strike masonry joints flush.
 - .6 Concrete surfaces shall be smooth and without large voids, spalled areas or sharp protrusions.
 - .7 New concrete should be cured for a minimum of sixteen (16) hours after forms are removed.
 - .8 Curing compounds or release agents used in concrete construction must be resin based without oil, wax or pigments.
 - .9 Do not install air barrier over saturated substrates.
- .2 Notify Contractor in writing of any conditions that are not acceptable.
- .3 The installing contractor shall examine and determine that surfaces and conditions are ready to accept the Work of this section in accordance with published literature. Commencement of Work or any parts thereof shall mean installer's acceptance of the substrate.
- .4 Do not apply air barrier until substrate and environmental conditions are in accordance with Air Barrier Manufacturer's published literature.

PREPARATION

- .1 All surfaces must be sound, dry, clean, and free of oil, grease, dirt, excess mortar, frost, laitance, loose and flaking particles, or other contaminants.
- .2 Protect adjacent surfaces not included in scope of Work to prevent spillage and overspray.
- .3 Cap and protect exposed back-up walls against wet weather conditions during and after application of membrane.
- .4 Hot weather or direct-sun applications over porous substrates, such as concrete, promote rapid surface drying and can form blisters in the fluid applied membrane air barrier during curing. To aid in blister prevention prepare substrate in accordance with one of the following optional procedures:
 - .1 Prime coat:
 - .1 Apply a thin prime coat of air barrier to substrate.
 - .2 Allow air barrier to fully cure prior to subsequent application.
 - .3 Install air barrier to Air Barrier Manufacturer minimum recommended mil thickness.

- .2 Two coat:
 - .1 Apply air barrier to achieve one-half (1/2) of Air Barrier Manufacturer minimum recommended mil thickness.
 - .2 Allow air barrier to fully cure prior to subsequent application.
 - .3 Apply air barrier to achieve one-half (1/2) of Air Barrier Manufacturer minimum recommended mil thickness.
- .3 Overall dry mil thickness shall be in accordance with Air Barrier Air Barrier Manufacturer published literature.

INSTALLATION

- .1 Ensure substrate is ready to receive air barrier in accordance with Air Barrier Manufacturer's published literature.
- .2 Temperature limitation:
 - .1 Air barrier:
 - .1 Substrate temperature must be above 5 degrees C and rising.
 - .2 Auxiliary products:
 - .3 Temperature limitations may vary. Refer to Air Barrier Manufacturer published literature.
- .3 Application of flashing:
 - .1 Self-adhered flashing:
 - .1 Where required install adhesive/primer recommended by Air Barrier Manufacturer continuously at rate recommended ensuring complete substrate coverage of anticipated flashing installation area.
 - .A Allow adhesive/primer to cure to a tacky film prior to application of flashing.
 - .B Only apply adhesive/primer to surfaces which will be covered during the same working day. Primed areas not covered by end of day must be re-primed prior to installation of flashing.
 - .2 Measure and cut self-adhered flashing to ensure adequate length to achieve continuous coverage of desired installation.
 - .3 Peel protective film from leading edge of self-adhered flashing and align top of membrane verifying proper positioning prior to complete film removal and flashing placement.
 - .4 Press self-adhered flashing firmly into place by applying hand pressure to the middle of the membrane and working the pressure to the edges eliminating wrinkles and air bubbles.
 - .5 Install self-adhered flashings in shingle fashion to eliminate reverse laps.
 - .6 Where required, prime laps at rate recommended by air barrier manufacture to ensure complete coverage of anticipated lap installation.
 - .7 Lap adjoining edges a minimum of fifty (50) mm.
 - .8 Roll flashing and laps with countertop roller to obtain thorough adhesion.
 - .9 Seal end of day exposed leading edges of self-adhered flashing with building envelope sealant.
- .4 Application of Primary Fluid-Applied, Air and Vapour Barrier:
 - .1 Apply air barrier in continuous, monolithic application without sags, runs, or voids, transitioning onto flashing membrane and overlapping twenty-five (25) mm, to create uniform drainage plane and air barrier.
 - .2 Install air barrier so that subsequent membrane installation laps twenty-five (25) mm onto flashing ensuring an air and air barrier assembly.
 - .3 Allow air barrier to fully cure prior to placement of insulation.
 - .4 Total dry film thickness (DFT):
 - .1 Coverage rates may vary due to surface texture or porosity. Refer to Air Barrier Manufacturer Technical Data Sheet for recommended coverage rates.

07 46 13 Preformed Metal Siding
INSTALLATION

- .1 Install cladding in accordance with manufacturer's written instructions
- .2 Install one-layer exterior wall sheathing paper horizontally as per manufacturers instructions. Building paper to be 2-layers, half-lapped.
- .3 Install continuous starter strips, inside and outside corners, edgings, drip, cap, sill and window/door opening flashings as indicated.
- .4 Install outside corners, fillers and closure strips with carefully formed and profiled work.
- .5 Install soffit and fascia cladding as indicated.
- .6 Maintain joints in exterior cladding, true to line, tight fitting, hairline joints.
- .7 Attach components in manner not restricting thermal movement.
- .8 Caulk junctions with adjoining work with sealant. Do work in accordance with Section 07 92 00 - Joint Sealing.

07 92 00 Joint Sealants
SURFACE PREPARATION

- .1 Examine joint sizes and conditions to establish correct depth to width relationship for installation of backup materials and sealants.
- .2 Clean bonding joint surfaces of harmful matter substances including dust, rust, oil grease, and other matter which may impair Work.
- .3 Do not apply sealants to joint surfaces treated with sealer, curing compound, water repellent, or other coatings unless tests have been performed to ensure compatibility of materials. Remove coatings as required.
- .4 Ensure joint surfaces are dry and frost free.
- .5 Prepare surfaces in accordance with manufacturer's directions.

PRIMING

- .1 Where necessary to prevent staining, mask adjacent surfaces prior to priming and caulking.
- .2 Prime sides of joints in accordance with sealant manufacturer's instructions immediately prior to caulking.

BACKUP MATERIAL

- .1 Apply bond breaker tape where required to manufacturer's instructions.
- .2 Install joint filler to achieve correct joint depth and shape, with approximately 30% compression.

MIXING

- .1 Mix materials in strict accordance with sealant manufacturer's instructions.

APPLICATION

- .1 Sealant.
 - .1 Apply sealant in accordance with manufacturer's written instructions.
 - .2 Mask edges of joint where irregular surface or sensitive joint border exists to provide neat joint.
 - .3 Apply sealant in continuous beads.
 - .4 Apply sealant using gun with proper size nozzle.
 - .5 Use sufficient pressure to fill voids and joints solid.
 - .6 Form surface of sealant with full bead, smooth, free from ridges, wrinkles, sags, air pockets, embedded impurities.
 - .7 Tool exposed surfaces before skinning begins to give slightly concave shape.
 - .8 Remove excess compound promptly as work progresses and upon completion.
- .2 Curing.
 - .1 Cure sealants in accordance with sealant manufacturer's instructions.
 - .2 Do not cover up sealants until proper curing has taken place.
- .3 Cleanup.
 - .1 Clean adjacent surfaces immediately and leave Work neat and clean.
 - .2 Remove excess and droppings, using recommended cleaners as work progresses.
 - .3 Remove masking tape after initial set of sealant.

FIELD QUALITY CONTROL

- .1 Perform adhesion tests in accordance with manufacturer's instructions and ASTM C1193, Method A, Field-Applied Sealant Joint Hand-Pull Tab.
 - .1 Perform 1 test per building elevation minimum.
 - .2 For sealant applied between dissimilar materials, test both sides of joint.
- .2 Sealants failing adhesion test shall be removed, substrates cleaned, sealants re-installed, and re-testing performed.

08 44 13 Aluminum Curtain Walls
INSTALLATION

- .1 General
 - .1 Install curtain wall system in accordance with manufacturer's instructions.
 - .2 Do not install damaged components.
 - .3 Fit joints to produce hairline joints free of burrs and distortion.
 - .4 Rigidly secure non-movement joints.
 - .5 Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
 - .6 Weld components in concealed locations to minimize distortion or discoloration of finish. Protect glazing surfaces from welding.
 - .7 Seal joints watertight unless otherwise indicated.
- .2 Metal Protection:
 - .1 Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape or installing nonconductive spacers as recommended by manufacturer for this purpose.
 - .2 Where aluminum will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.
- .3 Install components to drain water passing joints, condensation occurring within framing members, and moisture migrating within glazed aluminum curtain wall to exterior.
- .4 Install components plumb and true in alignment with established lines and grades.
- .5 Install operable units level and plumb, securely anchored, and without distortion. Adjust weather-stripping contact and hardware movement to produce proper operation.
- .6 Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.
- .7 Install glazing as specified in Division 08 Section "Glazing."

SITE TOLERANCES

- .1 Maximum variation from plumb: 12 mm/30 m.
- .2 Maximum misalignment of two adjoining members abutting in plane: 0.8 mm.
- .3 Maximum sealant space between curtain wall and adjacent construction: 13 mm.
- .4 Minimum sealant space between curtain wall and adjacent construction: 6.5 mm.

08 80 50 Glazing
PREPARATION

- .1 Clean contact surfaces with solvent and wipe dry.
- .2 Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- .3 Prime surfaces scheduled to receive sealant.

INSTALLATION: INTERIOR - DRY METHOD (TAPE AND TAPE)

- .1 Perform work in accordance with Insulating Glass Manufacturers Association of Canada for glazing installation methods.
- .2 Cut glazing tape to length and set against permanent stops, projecting 1.6 mm above sight line.
- .3 Place setting blocks at 1/4 points, with edge block maximum 150 mm from corners.
- .4 Rest glazing on setting blocks and push against tape for full contact at perimeter of light or unit.
- .5 Place glazing tape on free perimeter of glazing in same manner described.
- .6 Install removable stop without displacement of tape. Exert pressure on tape for full continuous contact.
- .7 Knife trim protruding tape.

CLEANING

- .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
- .2 Remove traces of primer, caulking.
- .3 Remove glazing materials from finish surfaces.
- .4 Remove labels after work is complete.
- .5 Clean glass using approved non-abrasive cleaner in accordance with manufacture's instructions.

PROTECTION OF FINISHED WORK

- .1 After installation, mark light with an "X" by using removable plastic tape or paste.



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4	ISSUED FOR TENDER - GENERAL REVISION	03/06/2017
3	ISSUED FOR TENDER	02/14/2017
2	ISSUED FOR 90% REVIEW	01/27/2017
1	ISSUED FOR 50% REVIEW	12/16/2016
REVISIONS	DESCRIPTION	DATE

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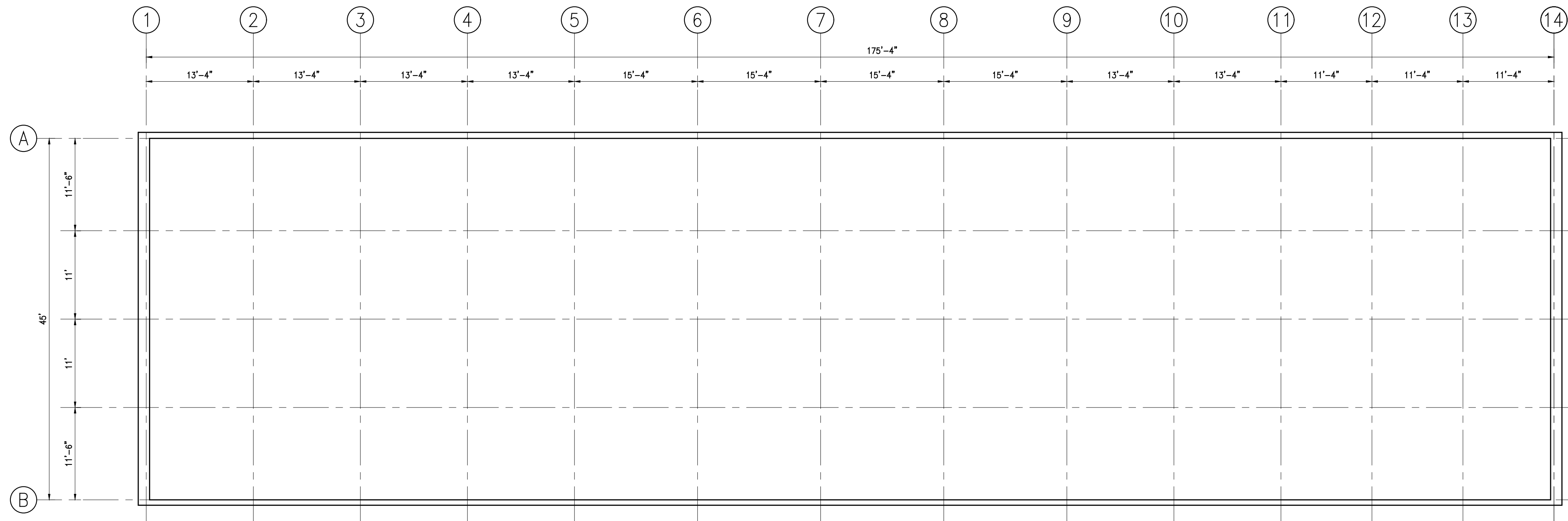
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REHAB - EXTERIOR
BLOCK WALL REPAIRS**
**JASPER NATIONAL PARK
JASPER AB**

drawing title titre du dessin

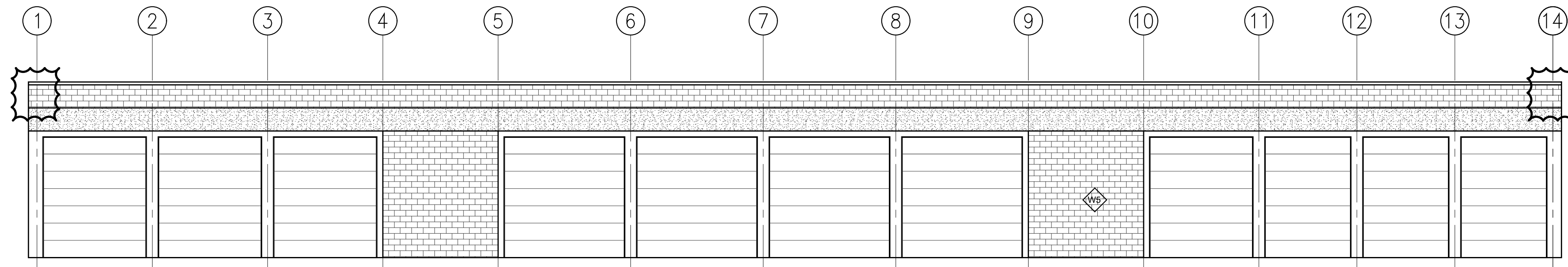
GENERAL NOTES

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BW	
drawn by	dessiné par
JT	
approved by	approuvé par
PCA Project Manager	Administrateur de Projets TPSGC
PAIGE SHEPPARD	
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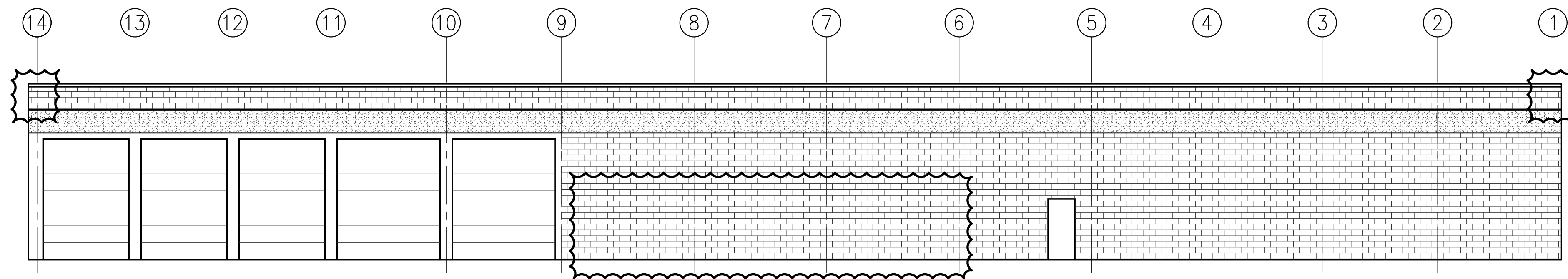




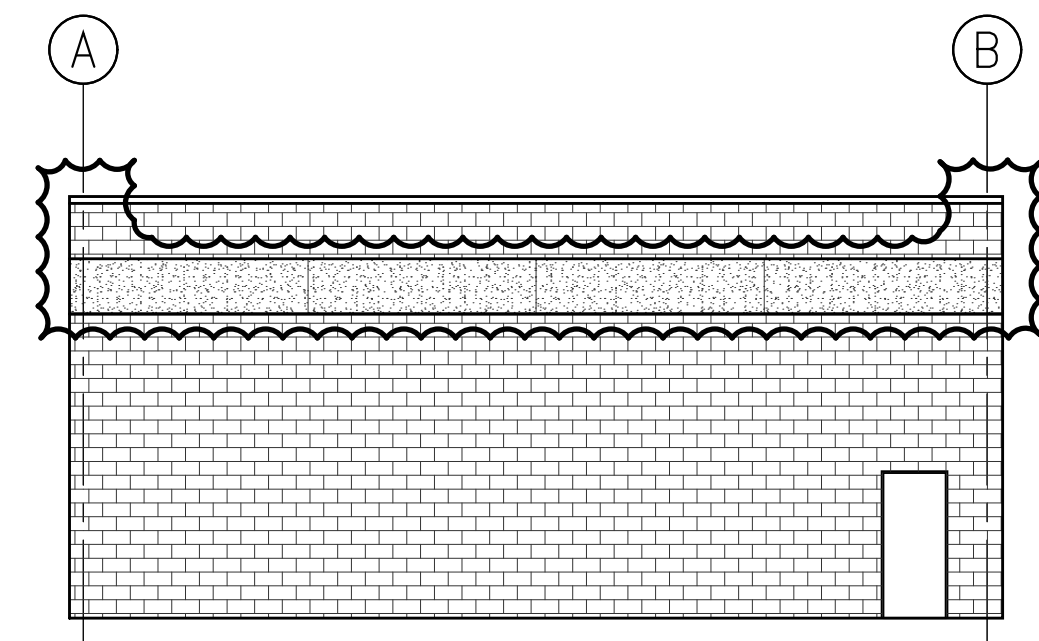
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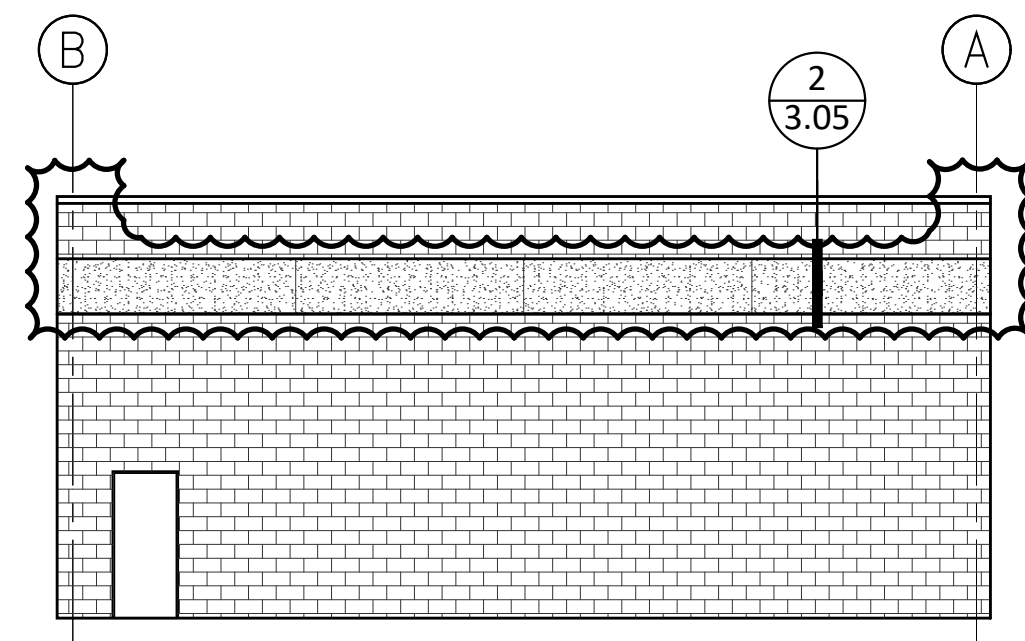
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NORTH ELEVATION - WARM STORAGE BUILDING



WEST ELEVATION - WARM STORAGE BUILDING



EAST ELEVATION - WARM STORAGE BUILDING

LEGEND:

REMOVE AND REPLACE DAMAGED MASONRY BLOCKS. REINFORCE CONCRETE PRECAST PANELS PER DETAIL 2 ON BE-3.05.

NOTE:

ALL DAMAGED BLOCKS IN OTHER AREAS OF THE BUILDING ARE TO BE REMOVED AND REPLACED AS DIRECTED BY THE CONSULTANT.

REVISIONS	DESCRIPTION	DATE
5	ISSUED FOR TENDER - GENERAL REVISION 2	08/17/2018
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C	detail on drawing no. détail sur dessin no.	C

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REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
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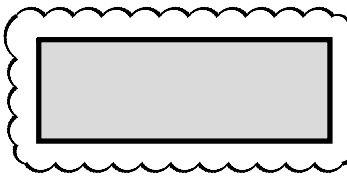
drawing title
**FLOOR PLAN AND ELEVATIONS
- WARM STORAGE BUILDING**

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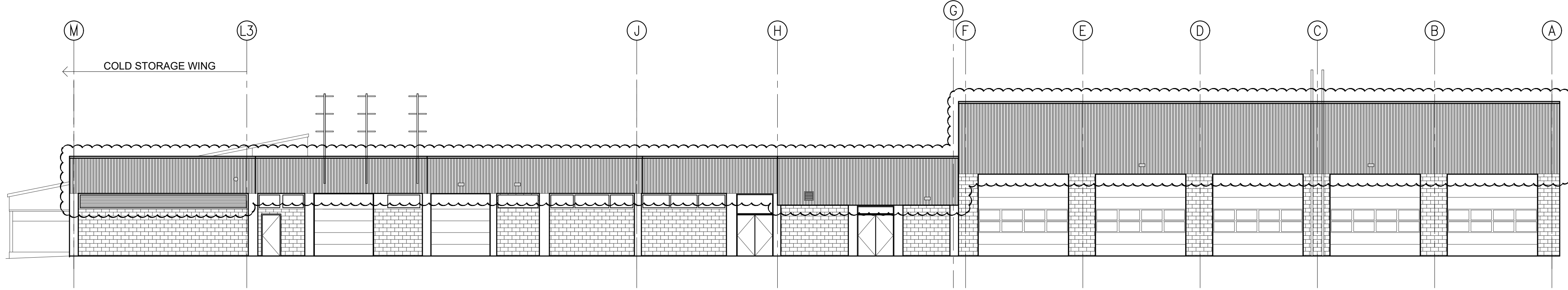
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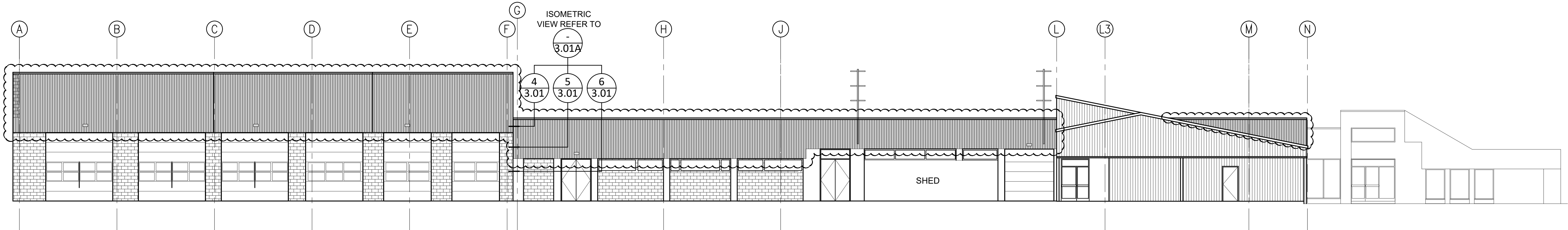
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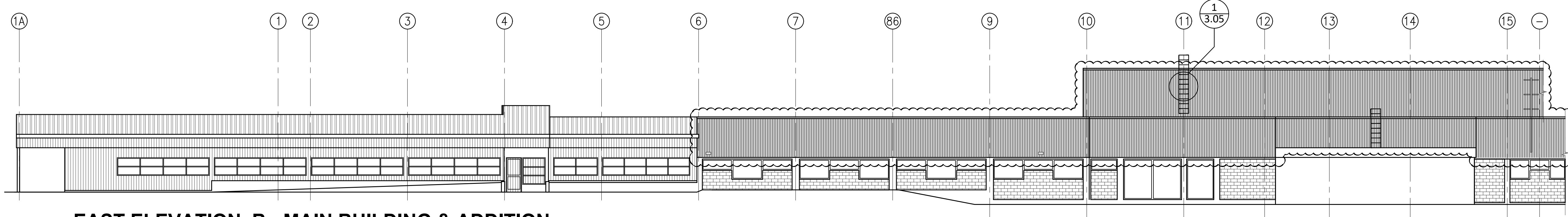
REMOVE AND DISPOSE OF CONCRETE PRECAST PANELS.
REMOVE AND DISPOSE OF ALL MASONRY BLOCKS ABOVE
CONCRETE PRECAST PANELS.
SUPPLY AND INSTALL NEW METAL CLADDING PER DRAWINGS.



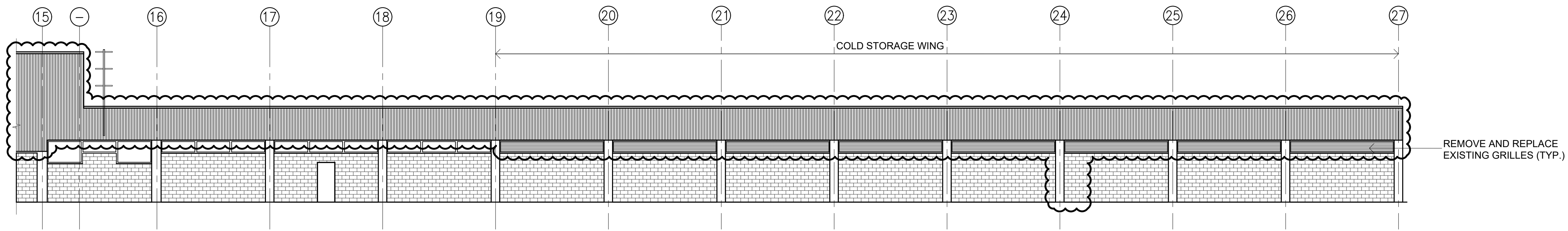
NORTH ELEVATION A - MAIN BUILDING & ADDITION



SOUTH ELEVATION B - MAIN BUILDING & ADDITION



EAST ELEVATION B - MAIN BUILDING & ADDITION



EAST ELEVATION C - MAIN BUILDING & ADDITION

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MAINTENANCE COMPOUND
REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
JASPER AB

drawing title

titre du dessin

ELEVATIONS
- MAIN BUILDING & ADDITION

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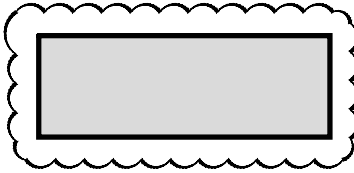
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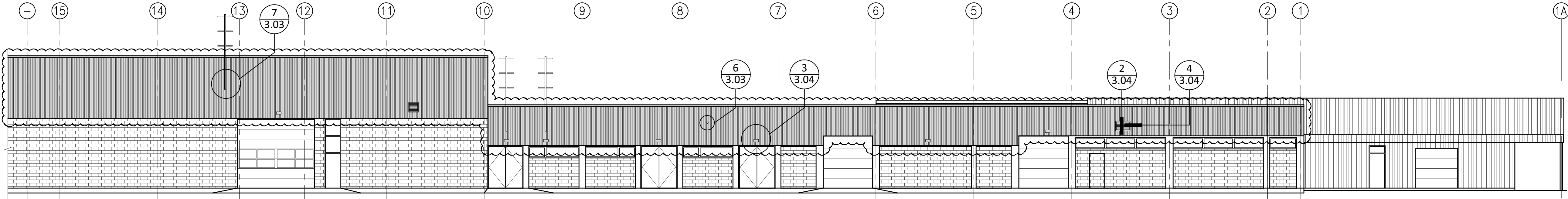
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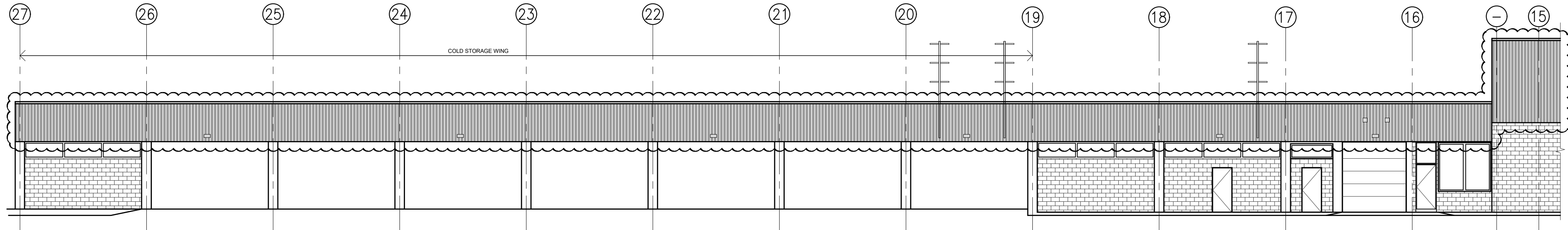
LEGEND:




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REMOVE AND DISPOSE OF ALL MASONRY BLOCKS ABOVE
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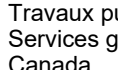
WEST ELEVATION A - MAIN BUILDING & ADDITION



WEST ELEVATION B - MAIN BUILDING & ADDITION




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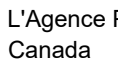
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REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
JASPER AB

drawing title

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ELEVATIONS
- MAIN BUILDING & ADDITION

designed by

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PCA Project Manager

Administrateur de Projets TPSGC

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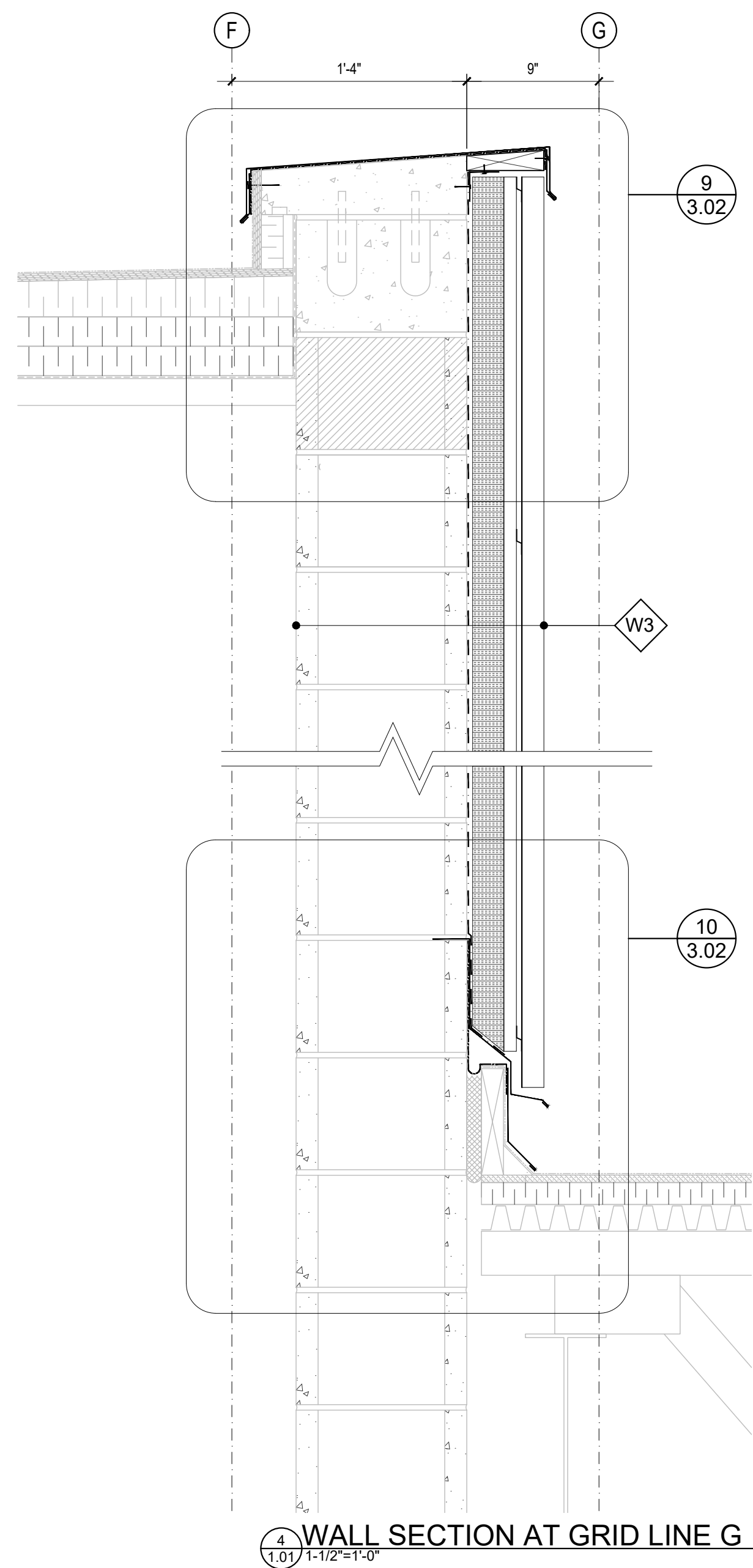
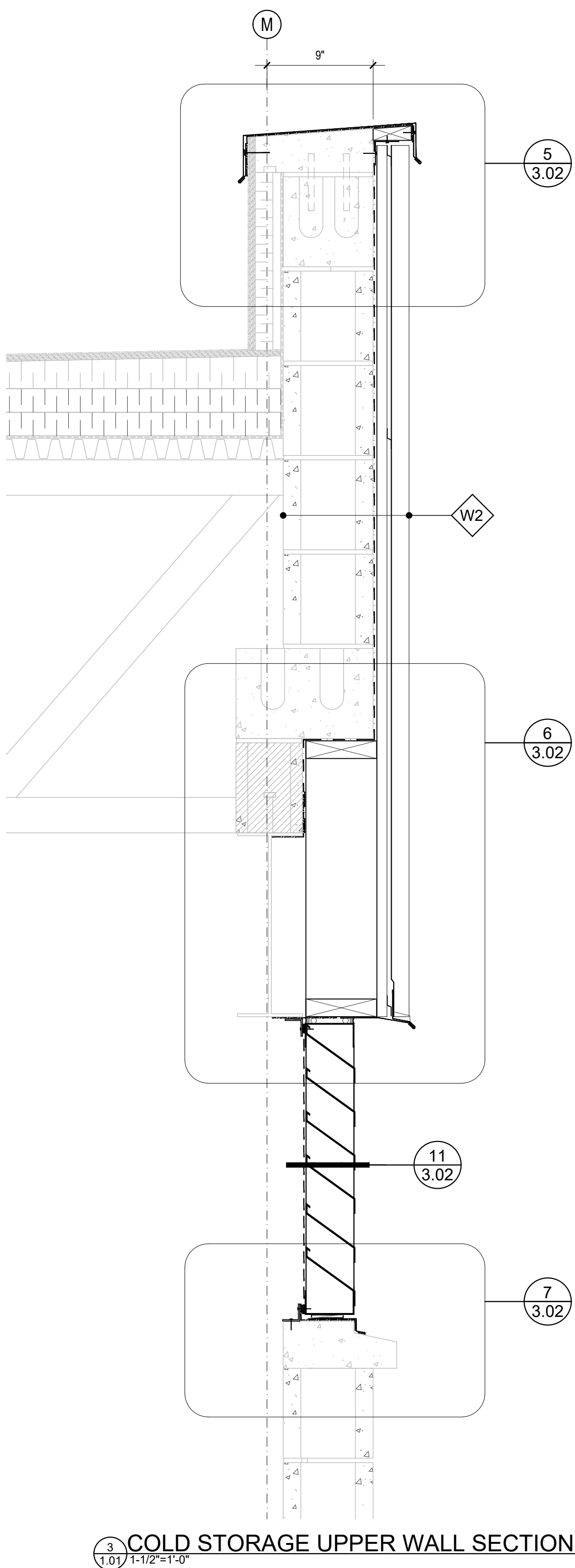
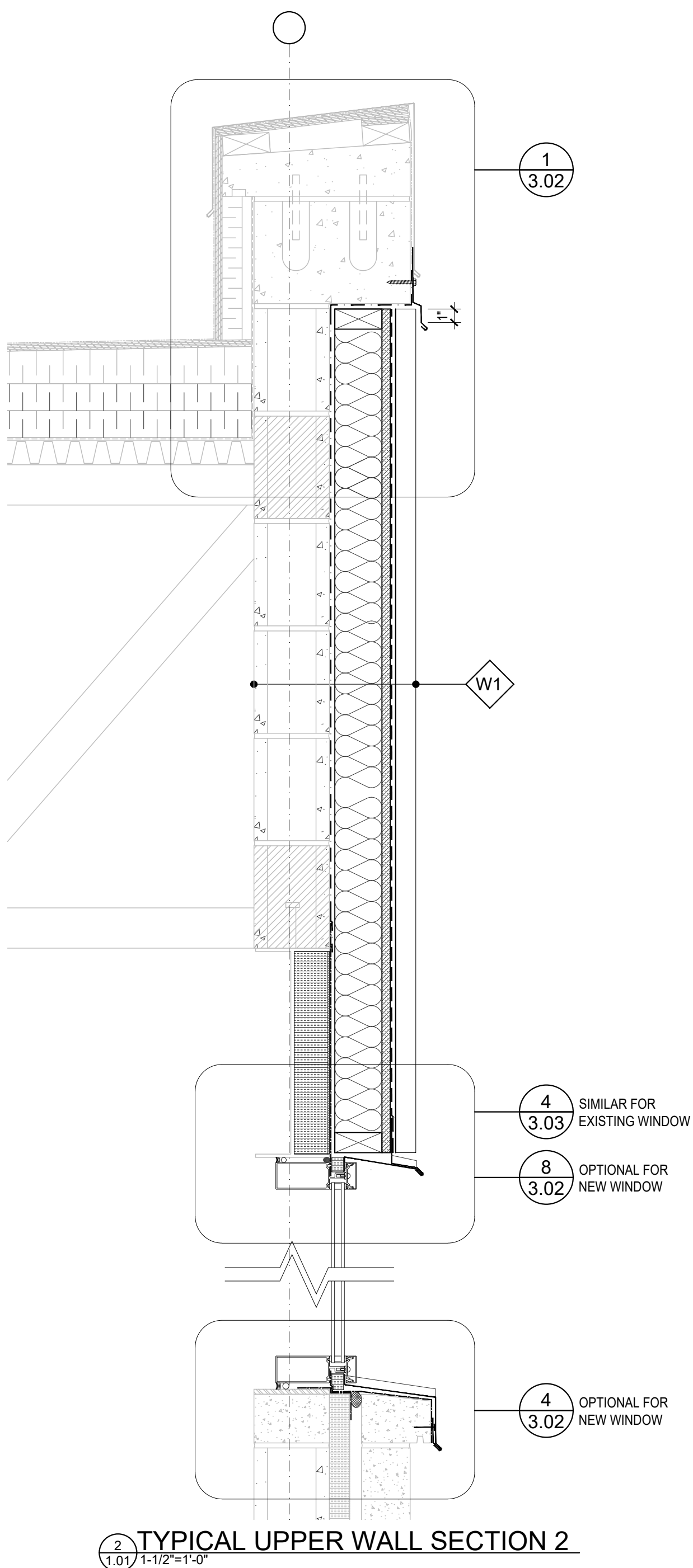
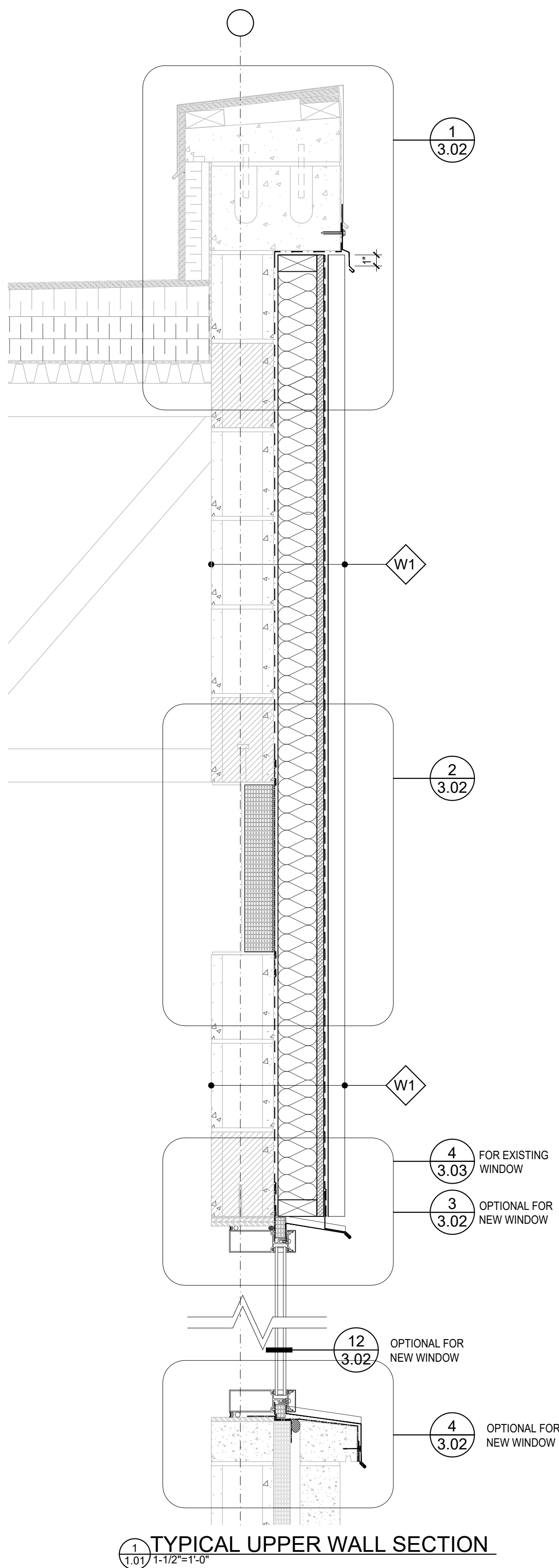
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REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
JASPER AB

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WALL SECTIONS

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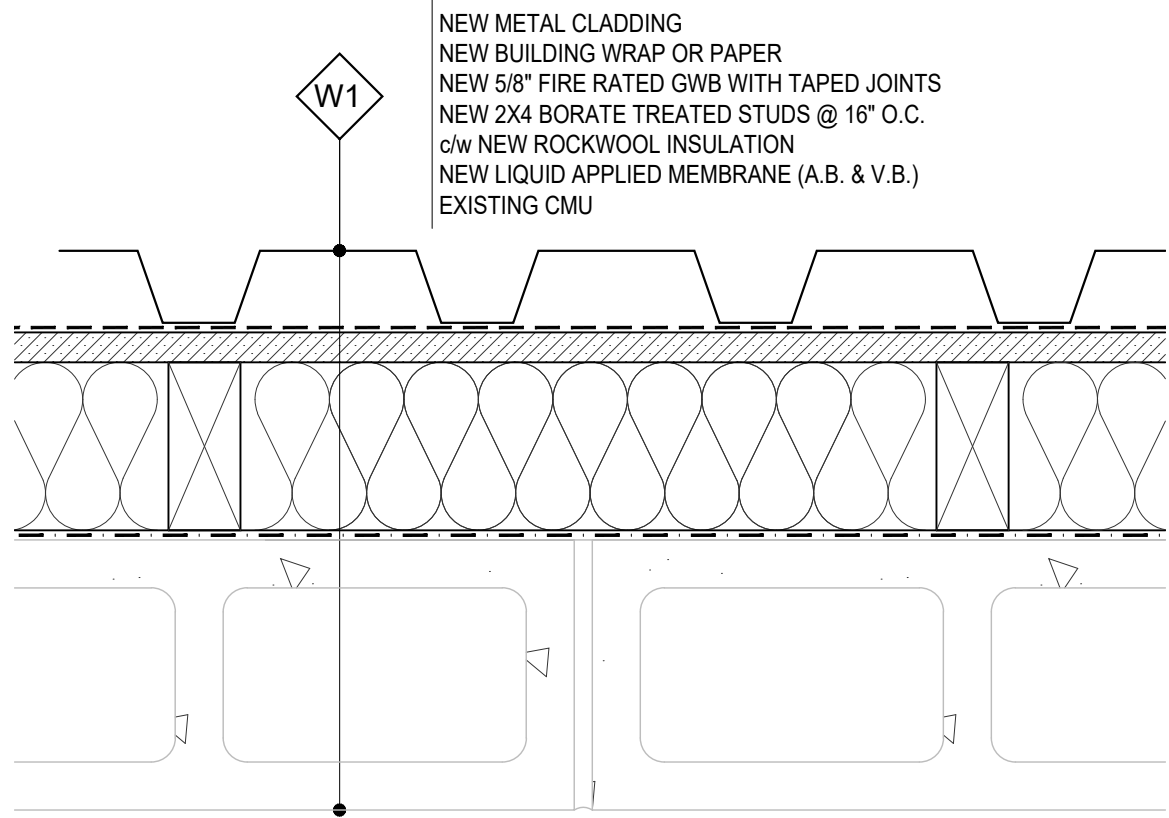
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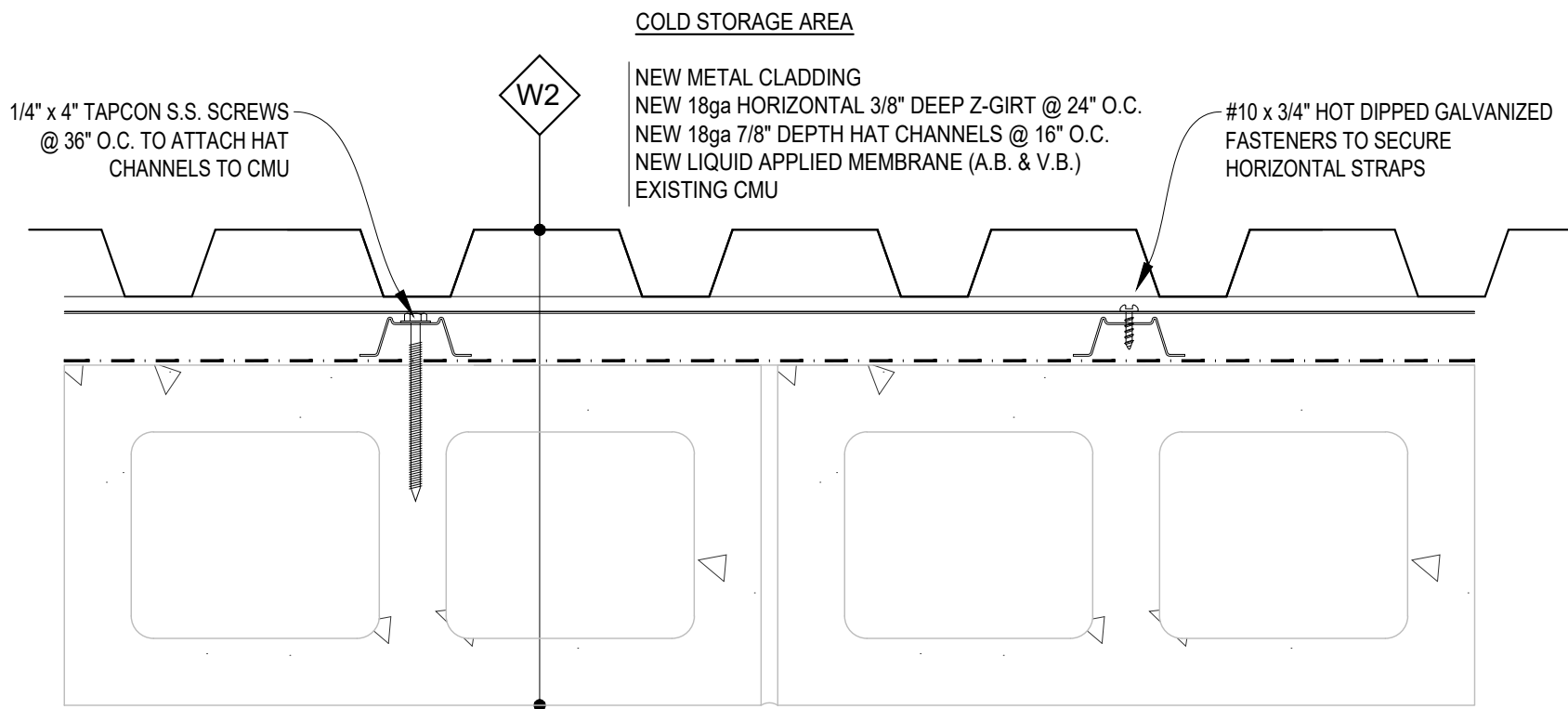
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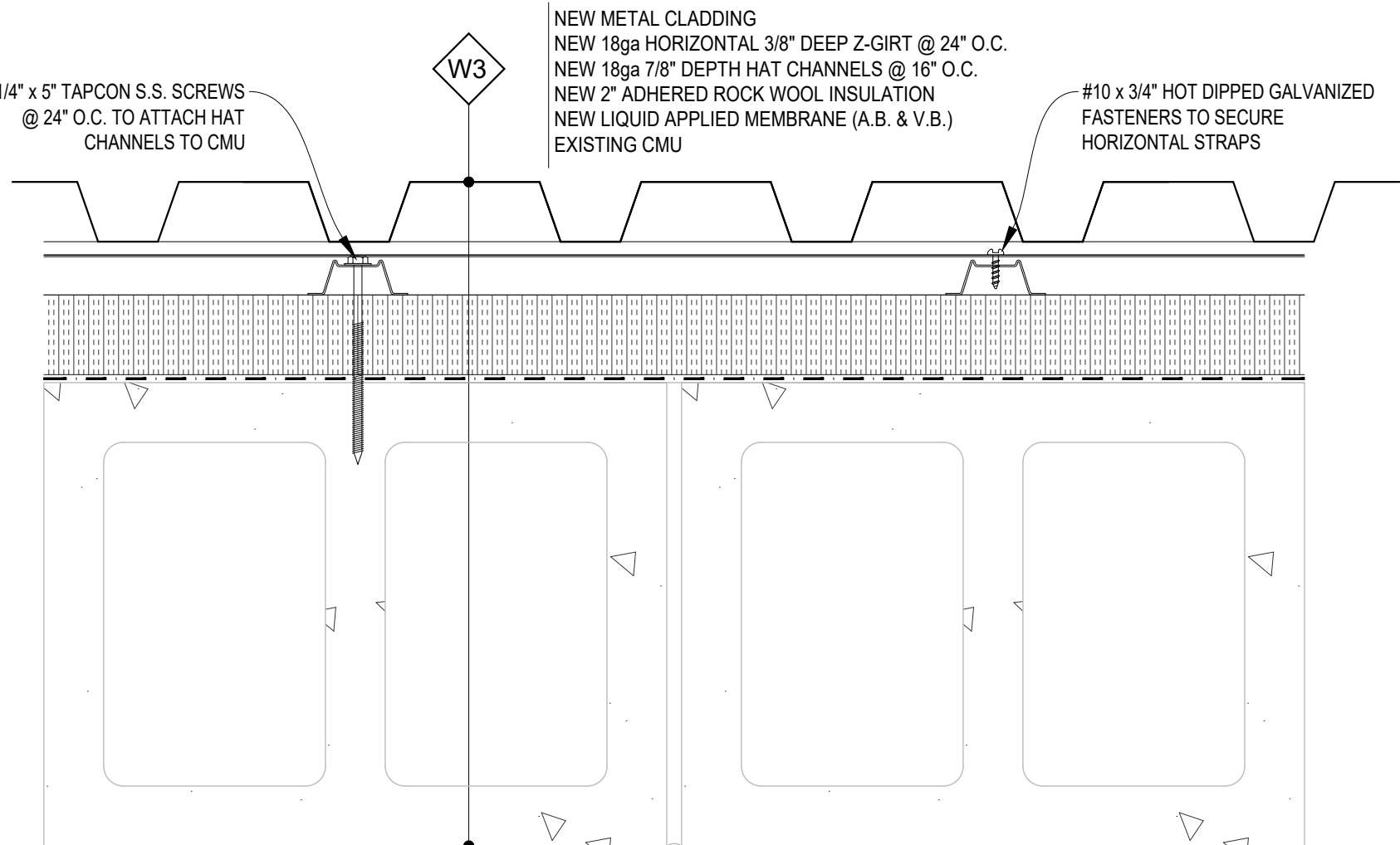
BE-3.00



1 TYP. WALL ASSEMBLY W1
3"=1'-0"



2 WALL ASSEMBLY W2
3"=1'-0"



3 WALL ASSEMBLY W3
3"=1'-0"

REVISIONS	DESCRIPTION	DATE
5	ISSUED FOR TENDER - GENERAL REVISION	08/22/2018
4	ISSUED FOR TENDER - GENERAL REVISION	03/06/2017
3	ISSUED FOR TENDER	02/14/2017
2	ISSUED FOR 90% REVIEW	01/27/2017
1	ISSUED FOR 50% REVIEW	12/16/2016

A	detail number number du detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

project title
**MAINTENANCE COMPOUND
REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
JASPER AB**

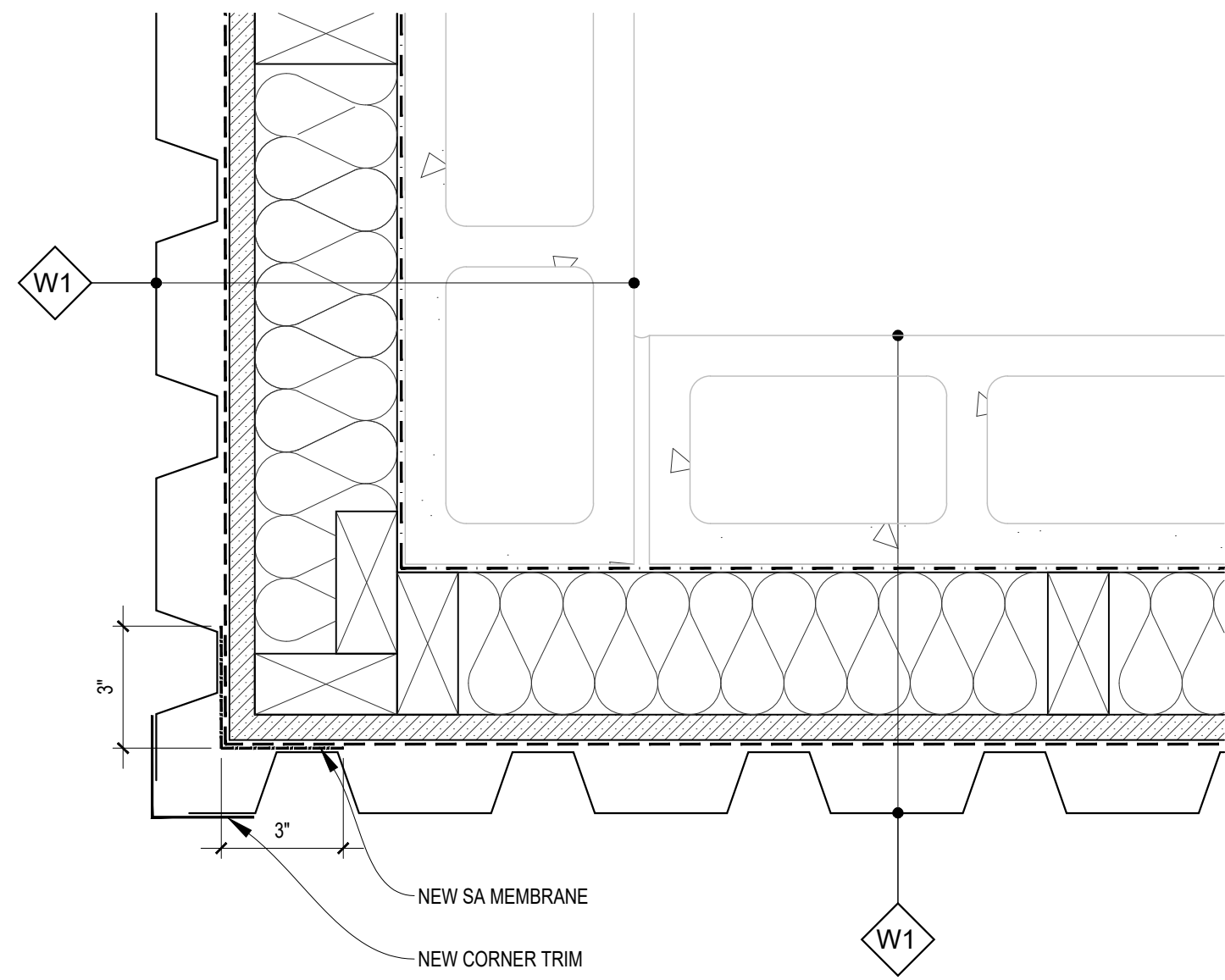
titre du projet

drawing title
DETAILS

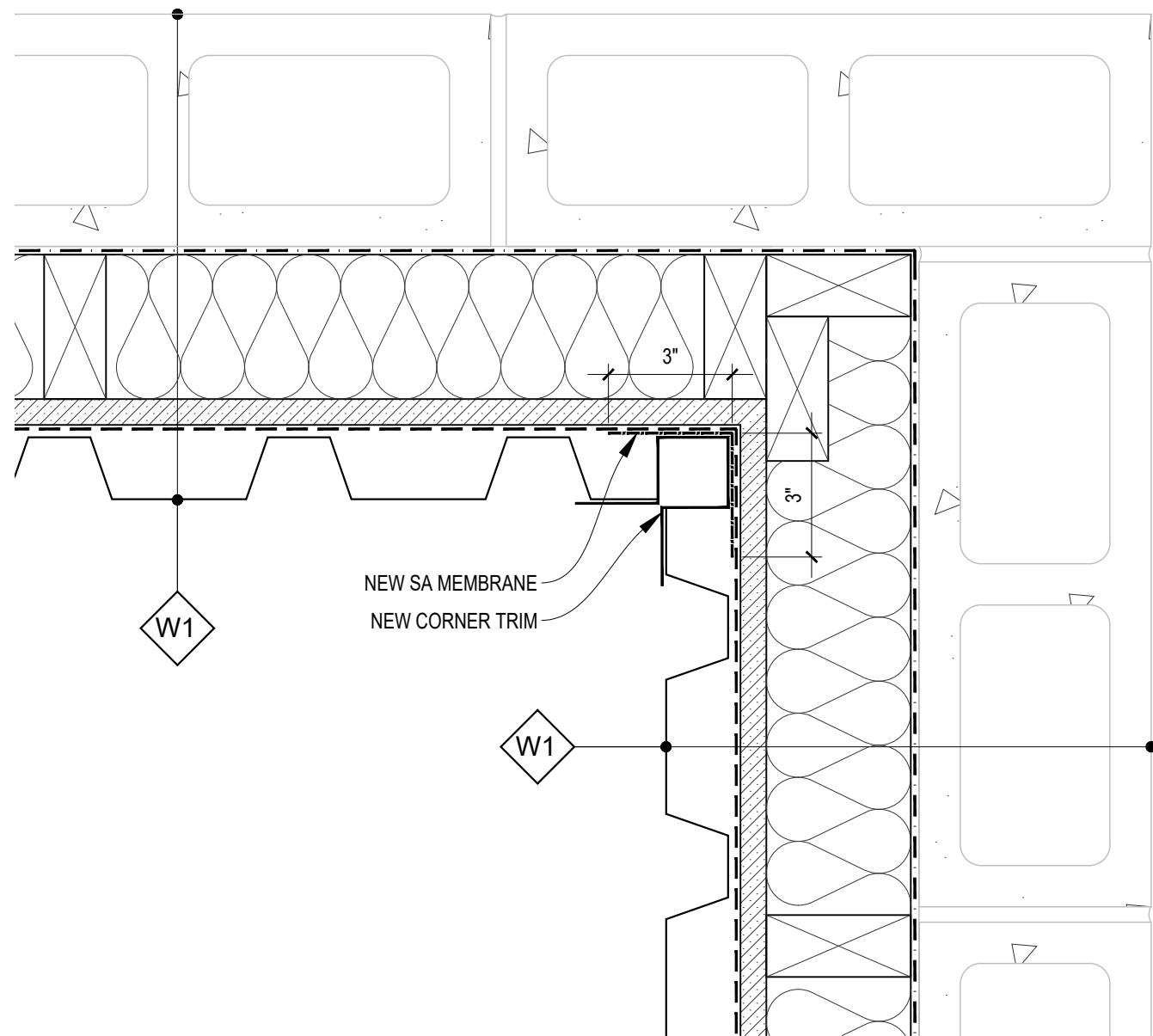
titre du dessin

designed by BW	conçu par
drawn by JT	dessiné par
approved by	approuvé par
PCA Project Manager PAIGE SHEPPARD	Administrateur de Projets TPSGC
scale AS SHOWN	echelle feuille
project no.	projet no.
date March 02, 2017	date

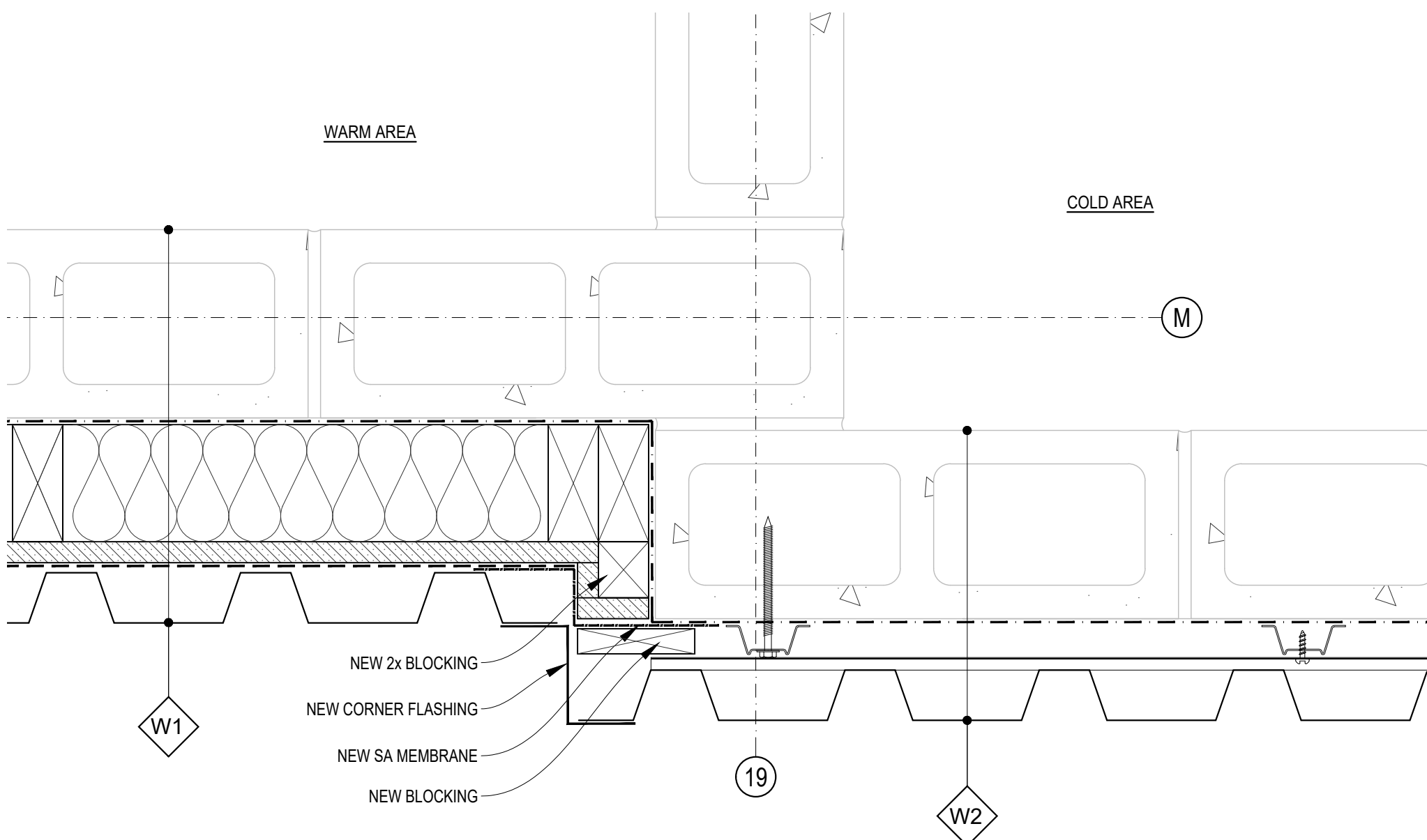
BE-3.00A



1 TYPICAL OUTSIDE CORNER
1.01/ 3"=1'-0"

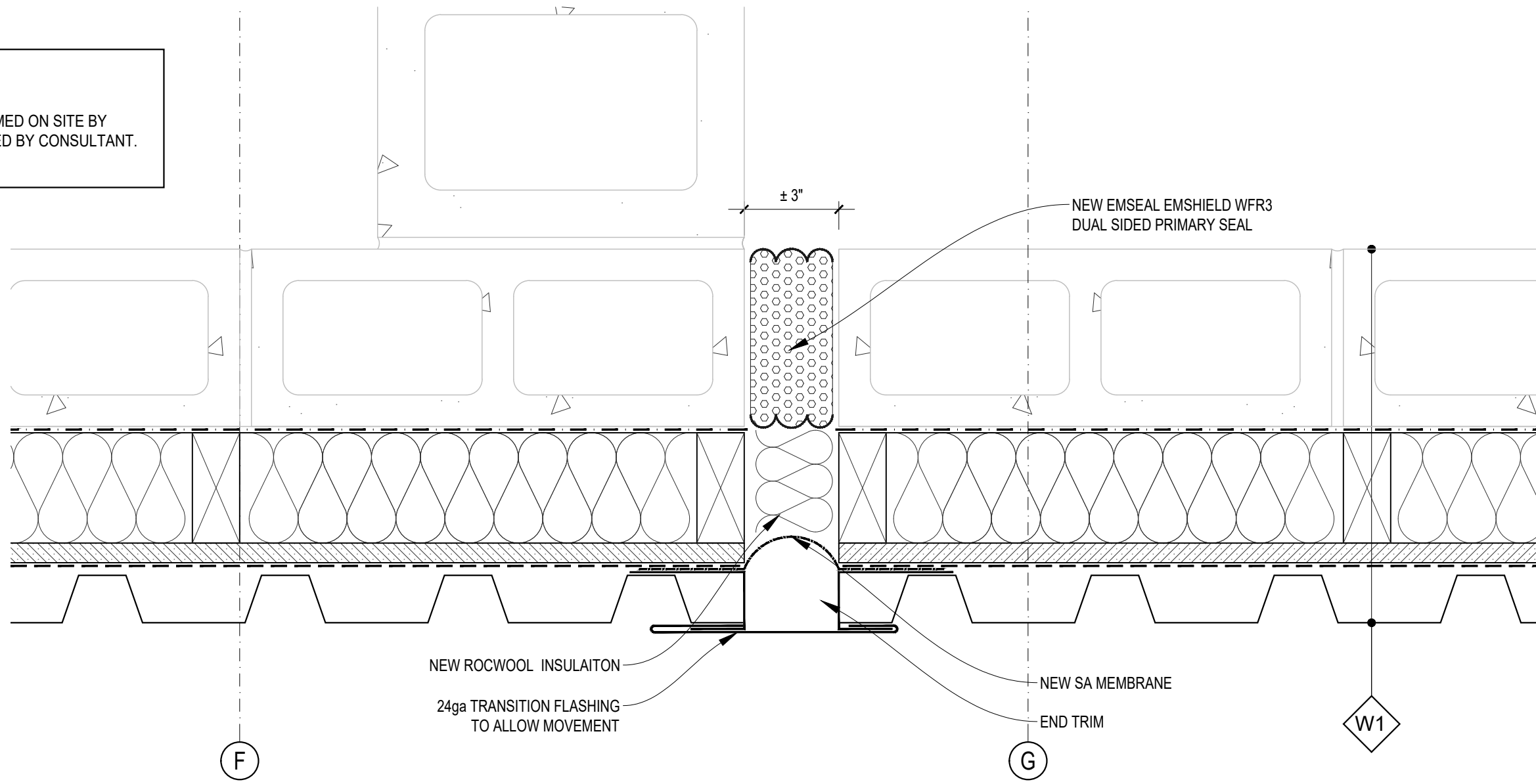


2 TYPICAL INSIDE CORNER
1.01/ 3"=1'-0"

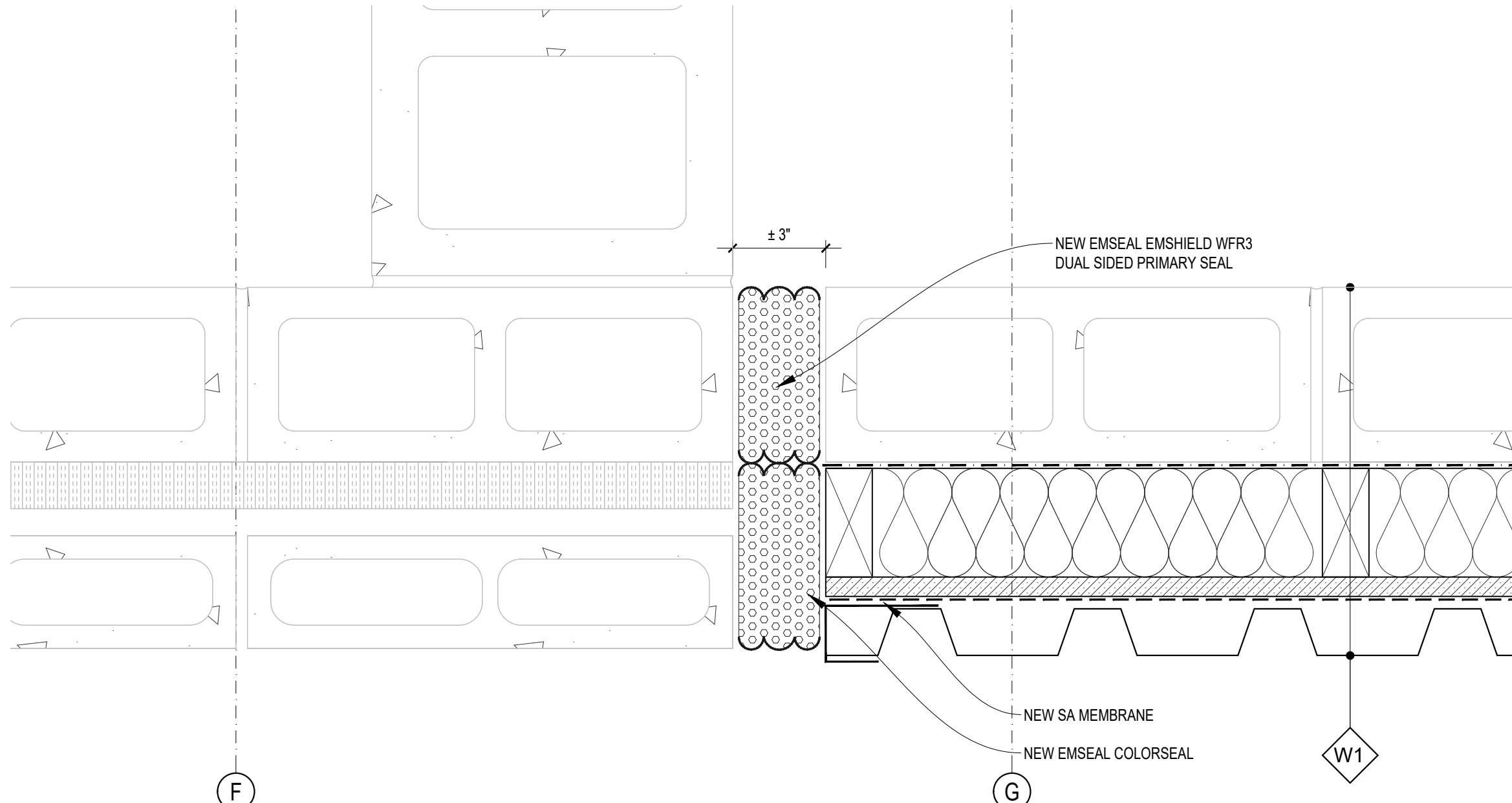


3 WARM TO COLD AREA JUNCTION
1.01/ 3"=1'-0"

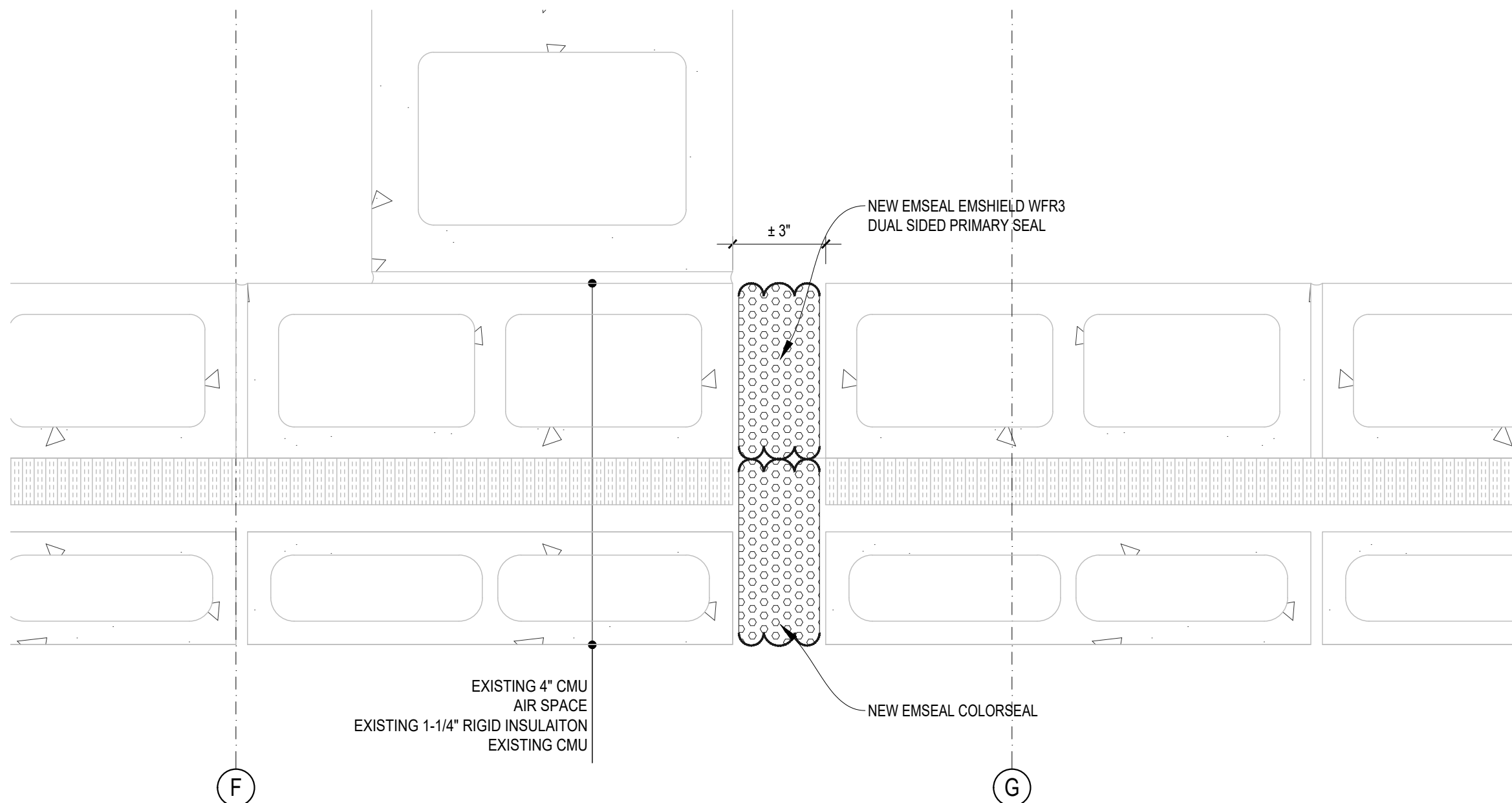
NOTE:
DIMENSIONS TO BE CONFIRMED ON SITE BY
CONTRACTOR AND REVIEWED BY CONSULTANT.



4 UPPER EXPANSION JOINT
1.01/ 3"=1'-0"



5 MIDDLE EXPANSION JOINT
1.01/ 3"=1'-0"



6 LOWER EXPANSION JOINT
1.01/ 3"=1'-0"

NOTE:
ISOMETRIC VIEWS REFER TO BE-3.01A

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A

C

A detail number
number du detail

A

B

C

A source drawing no.
de dessin no.A detail on drawing no.
detail sur dessin no.

project title

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MAINTENANCE COMPOUND
REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
JASPER AB

drawing title

titre du dessin

DETAILS

designed by

BW

conçu par

drawn by

JT

dessiné par

approved by

approuvé par

PCA Project Manager

Administrateur de Projets TPSGC

PAIGE SHEPPARD

scale

AS SHOWN

échelle

sheet

feuille

project no.

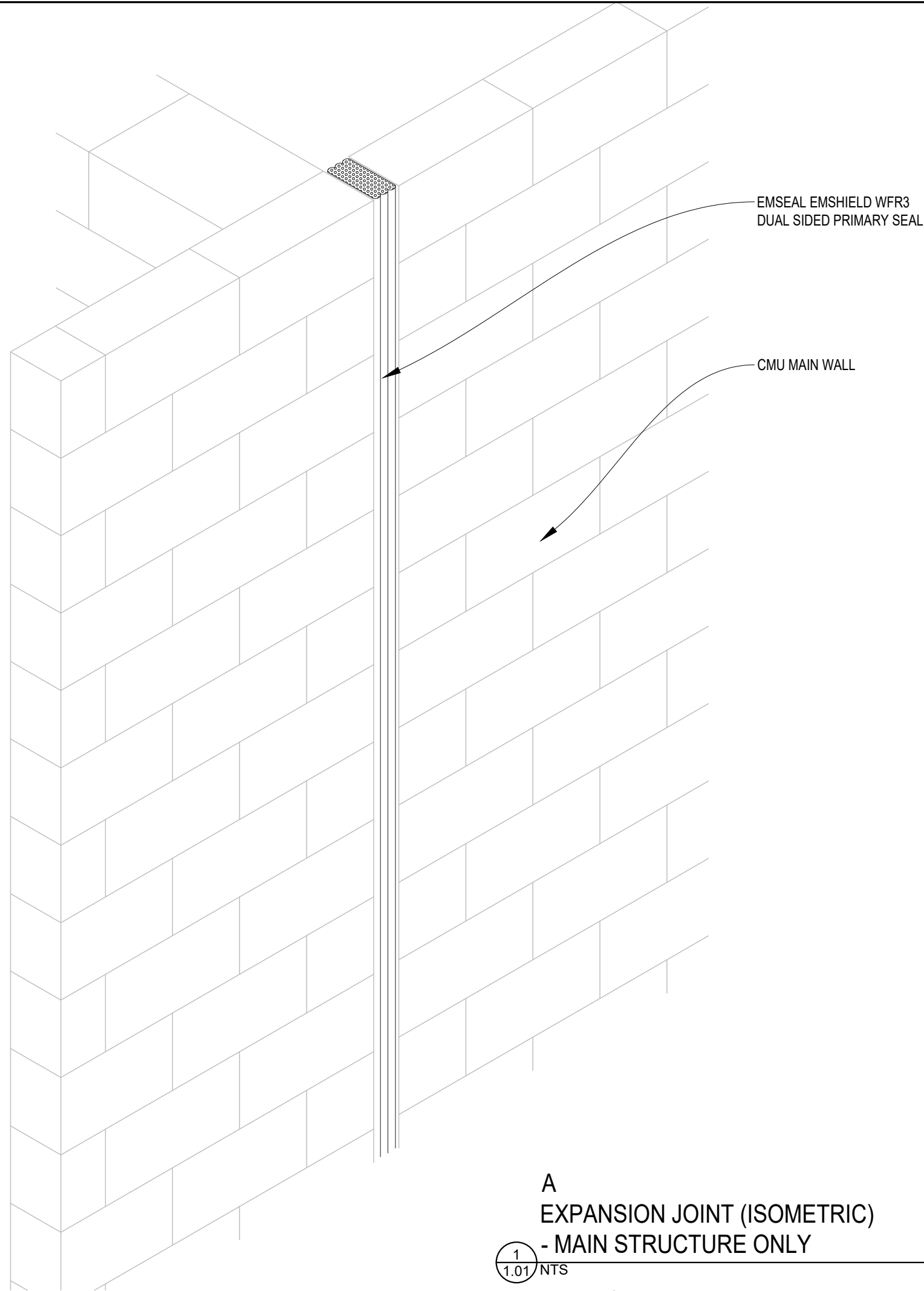
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date

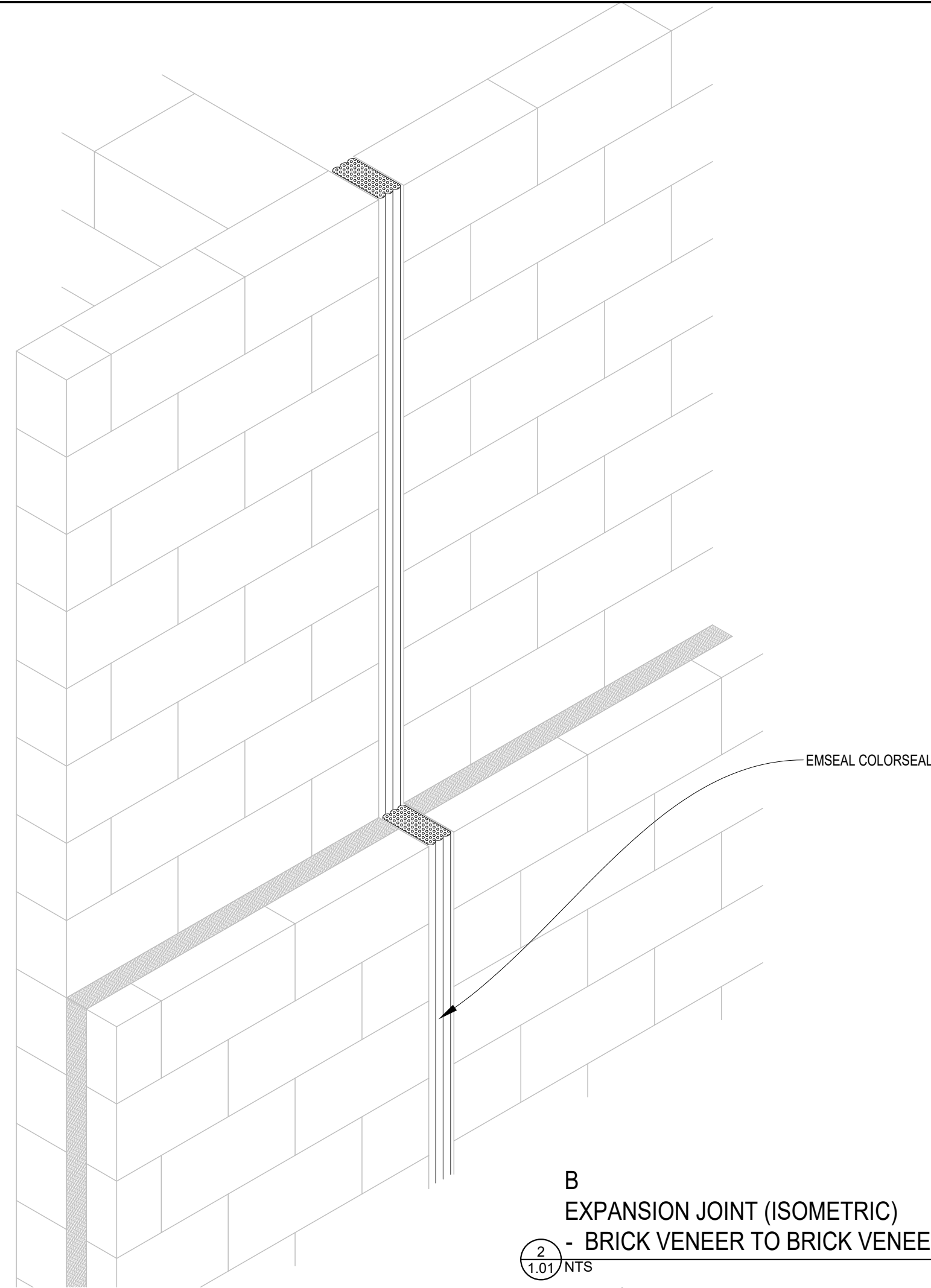
March 02, 2017

date

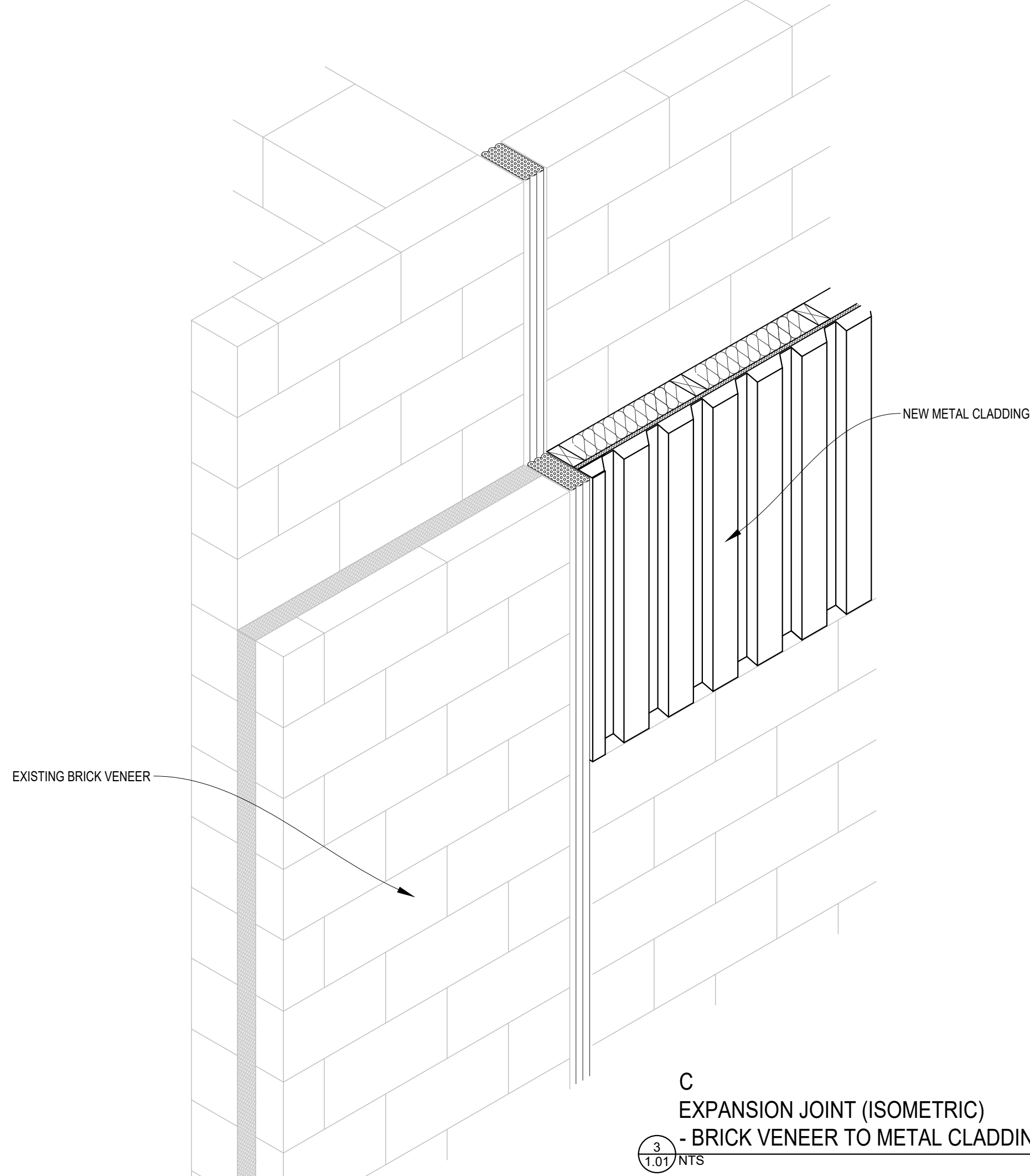
BE-3.01



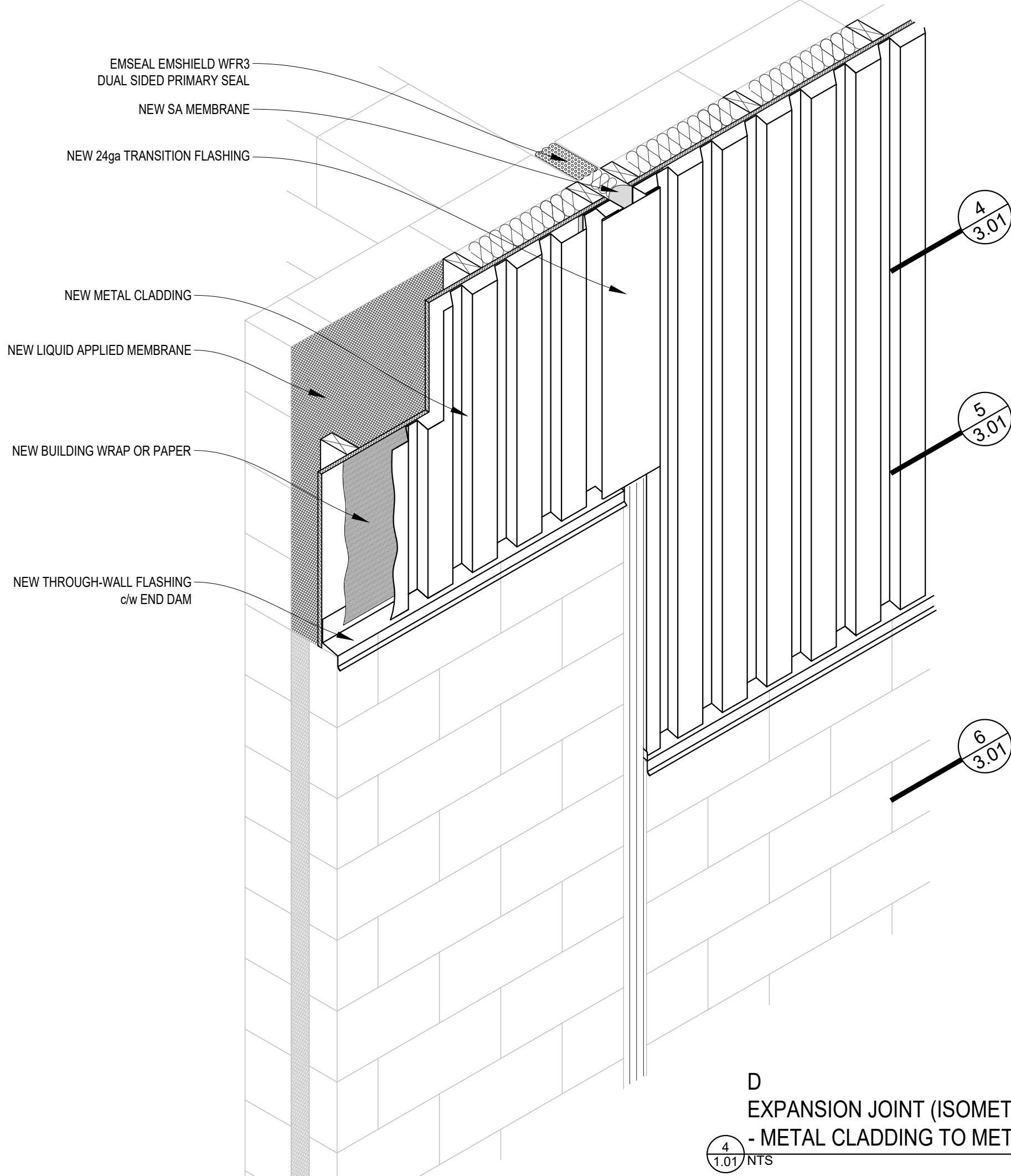
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EXPANSION JOINT (ISOMETRIC)
- MAIN STRUCTURE ONLY
1
1.01/NTS



B
EXPANSION JOINT (ISOMETRIC)
- BRICK VENEER TO BRICK VENEER
2
1.01/NTS



C
EXPANSION JOINT (ISOMETRIC)
- BRICK VENEER TO METAL CLADDING
3
1.01/NTS



D
EXPANSION JOINT (ISOMETRIC)
- METAL CLADDING TO METAL CLADDING
4
1.01/NTS

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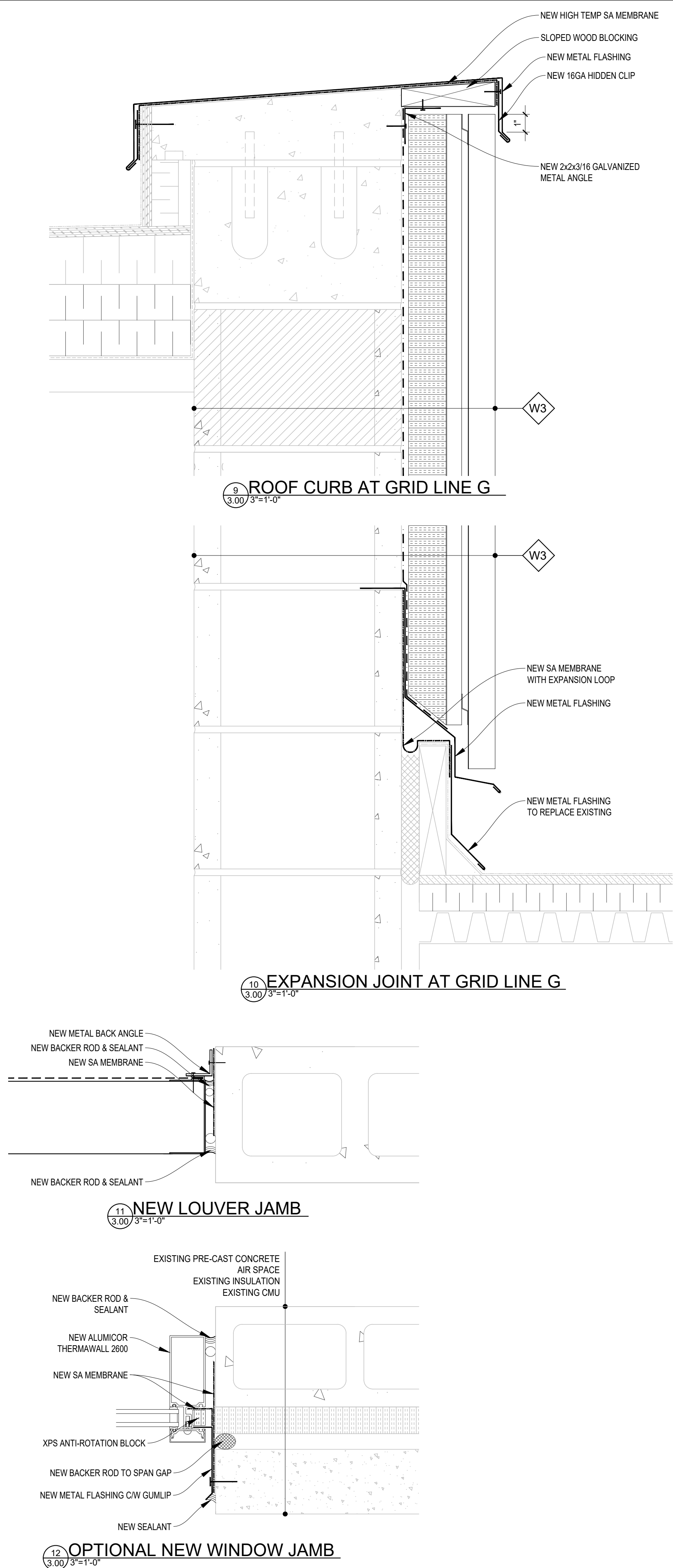
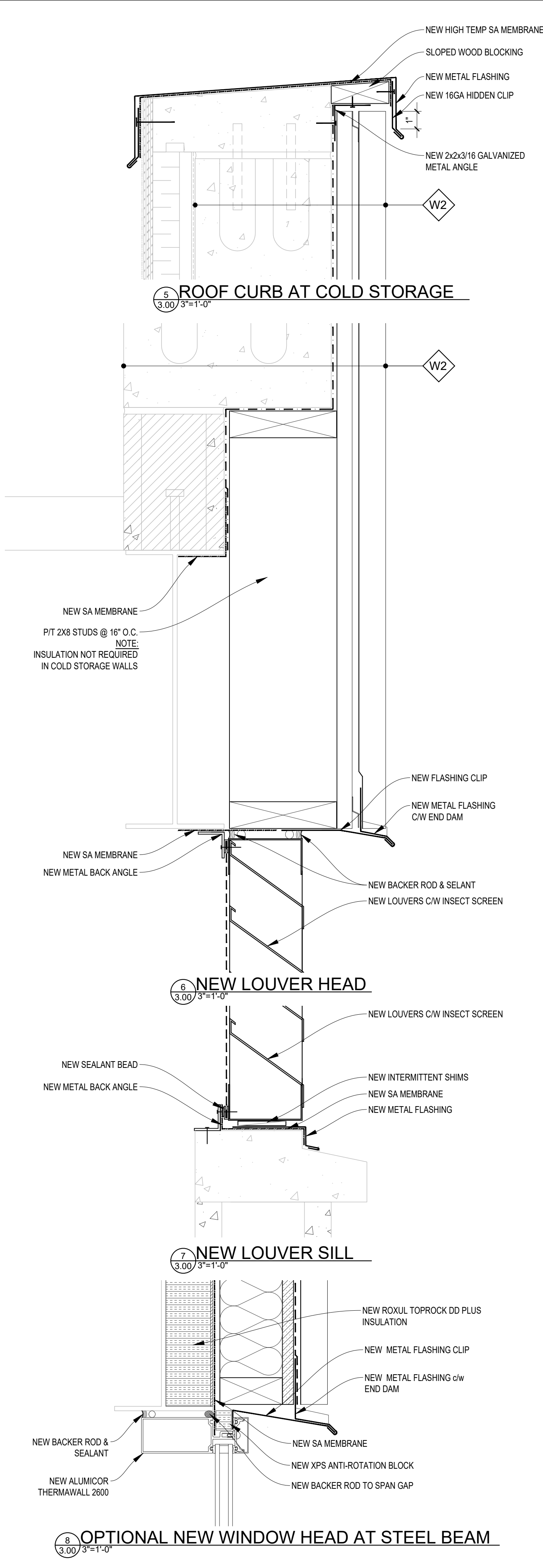
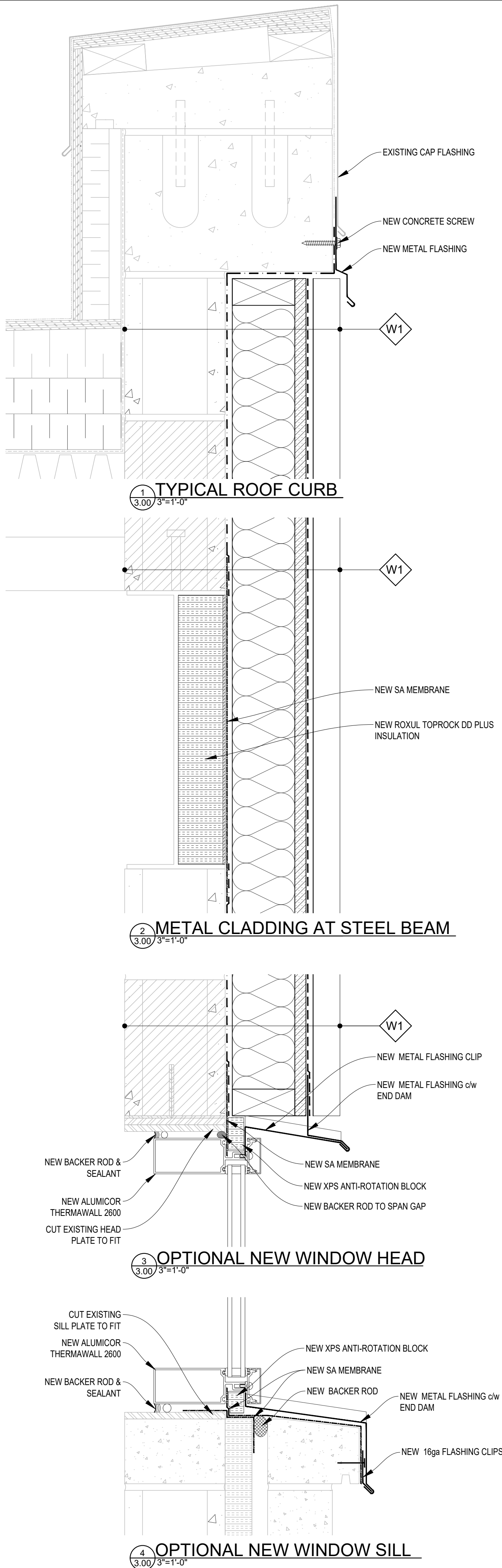
REVISIONS	DESCRIPTION	DATE
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project title
**MAINTENANCE COMPOUND
REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
JASPER AB**

drawing title
DETAILS

designed by BW	conçu par
drawn by JT	dessiné par
approved by	approuvé par
PCA Project Manager PAIGE SHEPPARD	Administrateur de Projets TPSGC
scale AS SHOWN	échelle feuille
project no.	projet no.
date March 02, 2017	date
BE-3.01A	



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A

C

A detail number
number du detail

B

C

B source drawing no.
de dessin no.

C detail on drawing no.
detail sur dessin no.

project title

titre du projet

**MAINTENANCE COMPOUND
REHAB - EXTERIOR
BLOCK WALL REPAIRS
JASPER NATIONAL PARK
JASPER AB**

drawing title

titre du dessin

DETAILS

designed by

conçu par

BW

drawn by

dessiné par

JT

approved by

approuvé par

PCA Project Manager

Administrateur de Projets TPSGC

PAIGE SHEPPARD

scale

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project no.

projet no.

date

date



March 02, 2017

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BE-3.02

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4	ISSUED FOR TENDER - GENERAL REVISION	03/06/2017
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1	ISSUED FOR 50% REVIEW	12/16/2016
REVISIONS	DESCRIPTION	DATE

	<p>A detail number numéro du détail</p> <p>B source drawing no. de dessin no.</p> <p>C detail on drawing no. détail sur dessin no.</p>	
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project title	titre du projet
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**MAINTENANCE COMPOUND
REHAB - EXTERIOR
BLOCK WALL REPAIRS**

**JASPER NATIONAL PARK
JASPER AB**

drawing title	titre du dessin
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DETAILS

designed by **RW** concu p

drawn by **JT** dessine par

approved by	approuvé par
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PCA Project Manager Administrateur de Projets TPSG

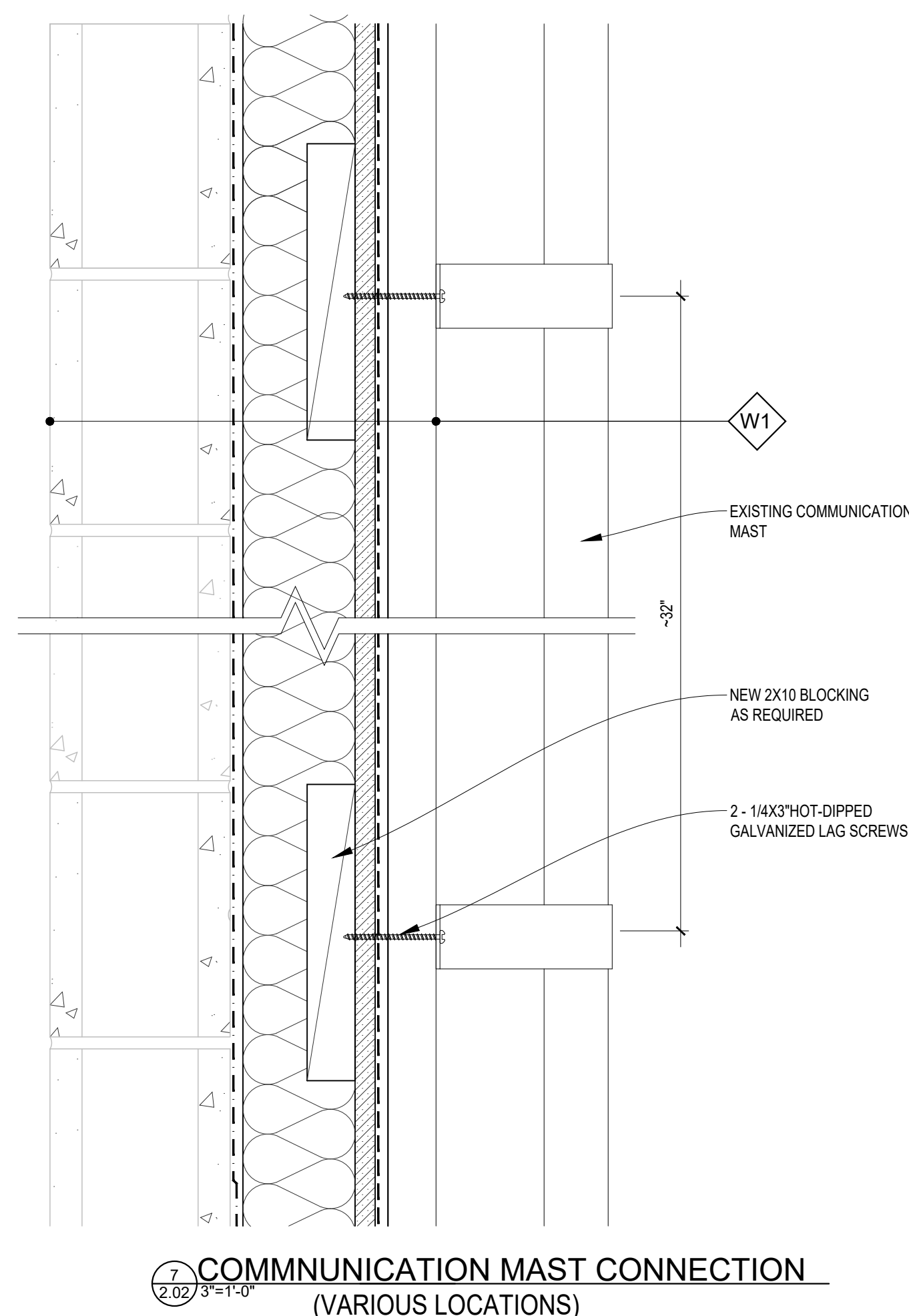
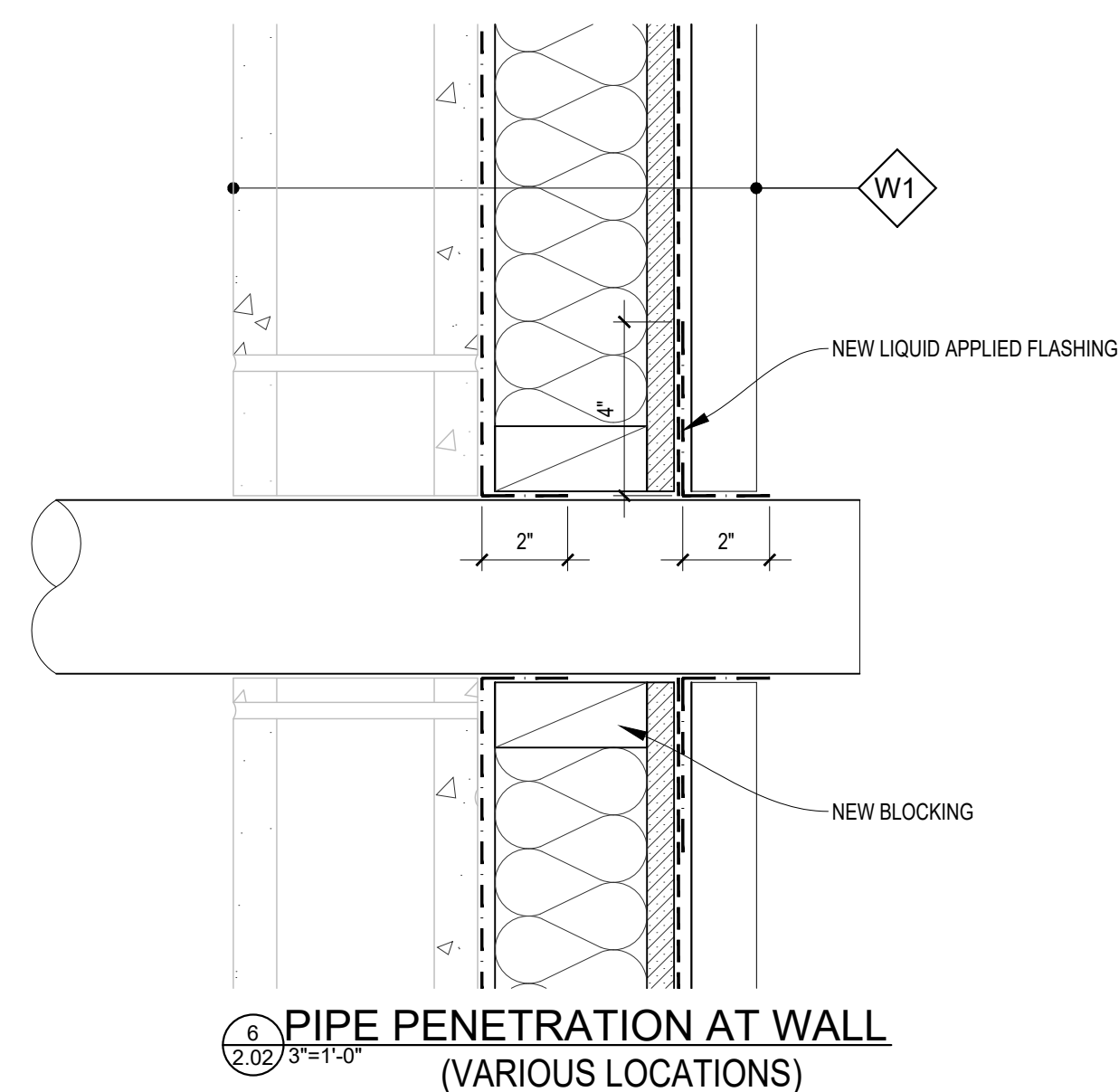
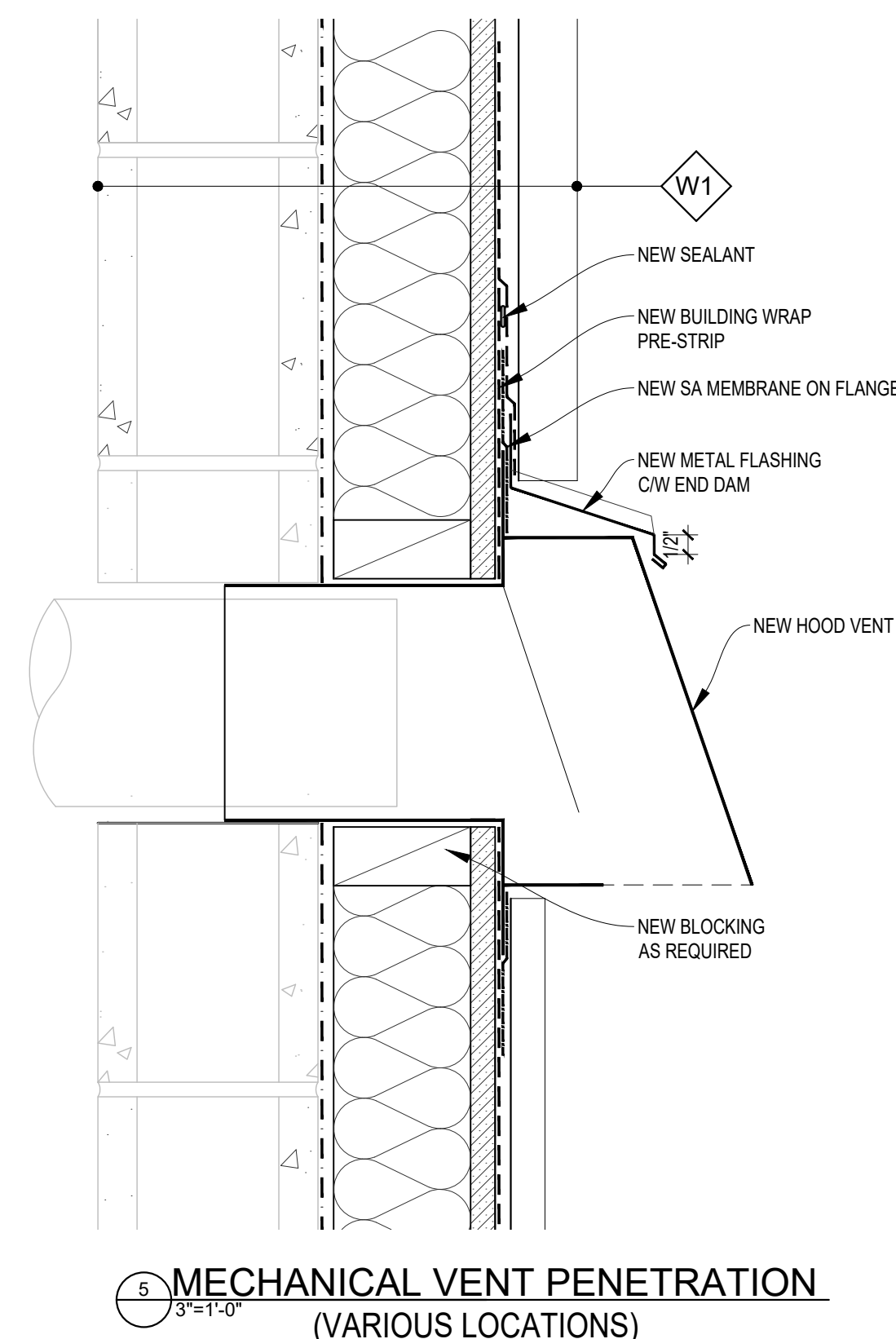
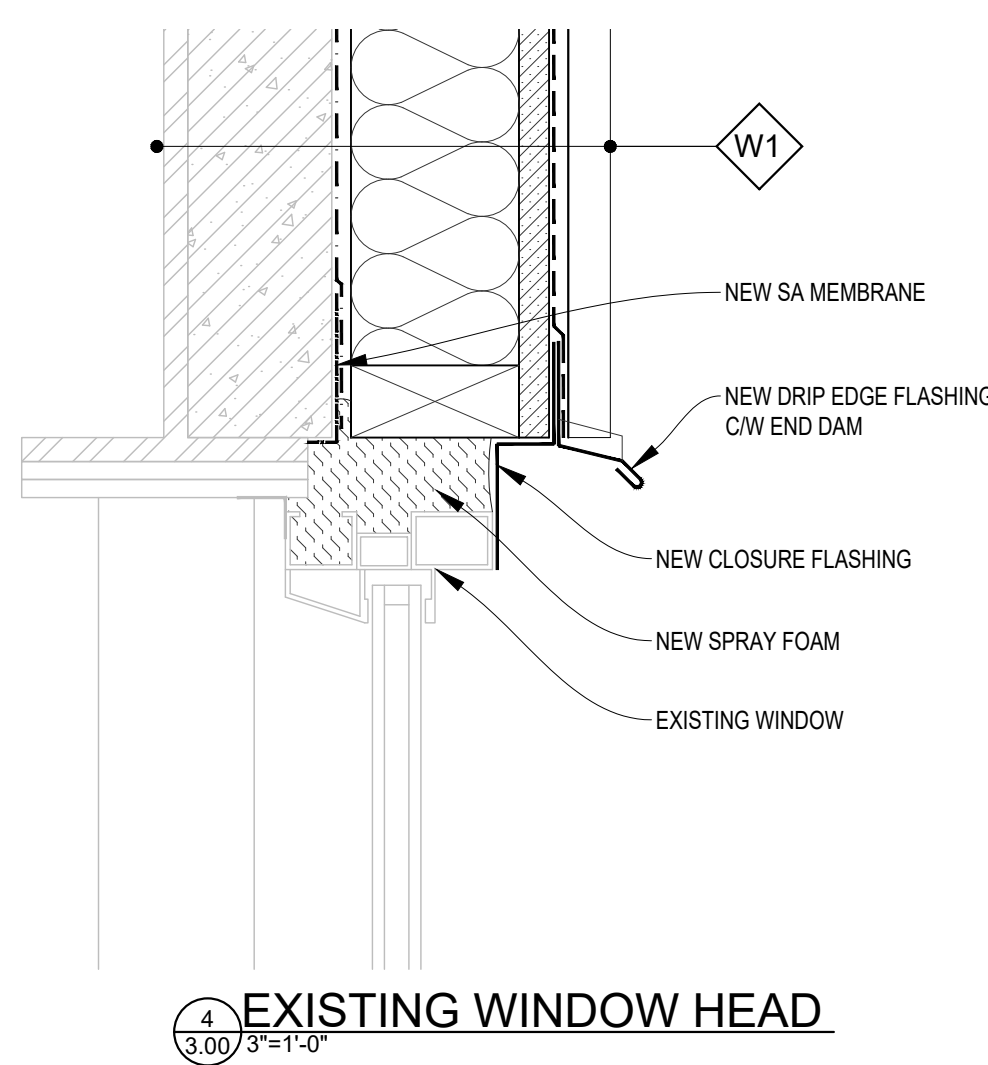
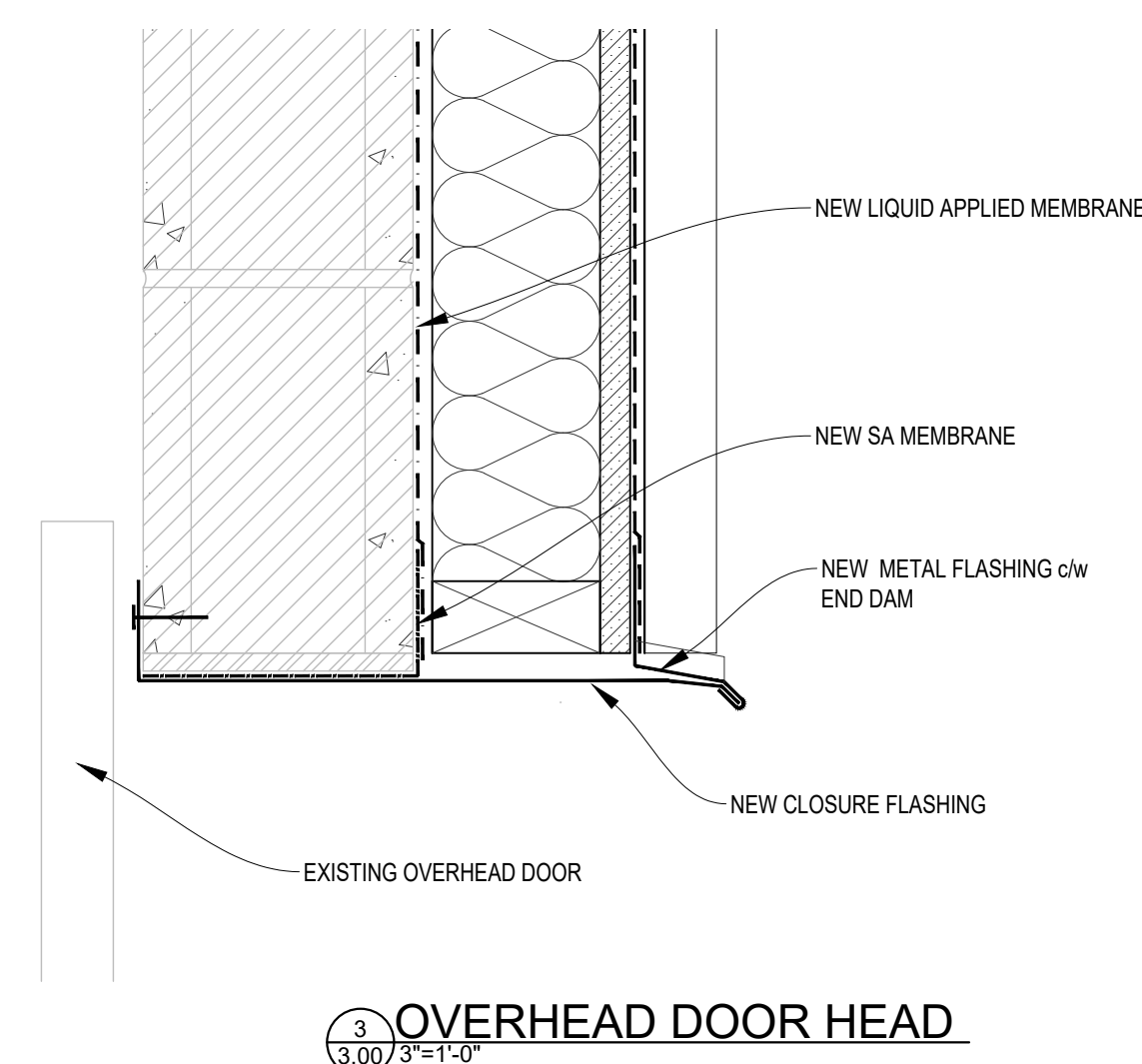
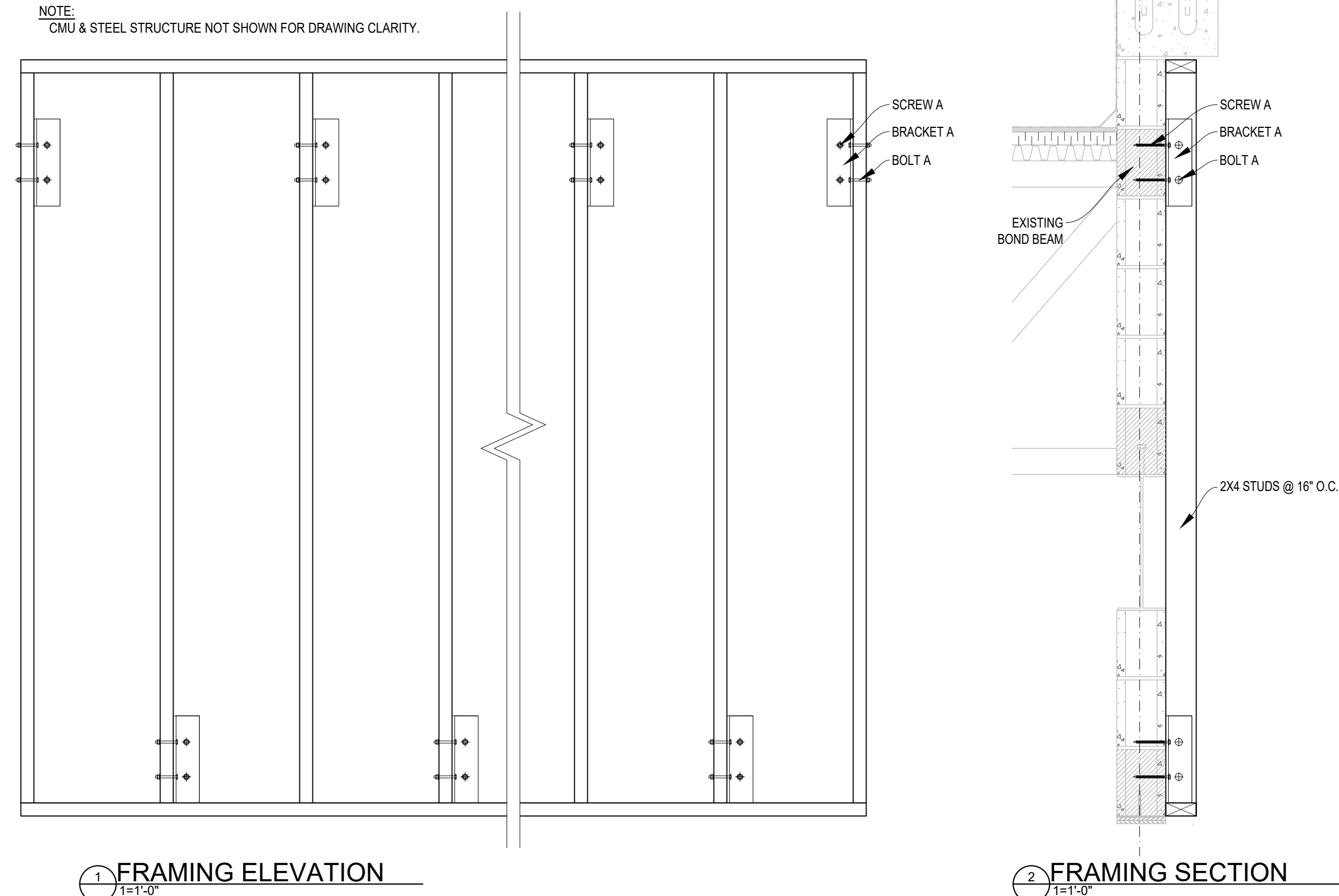
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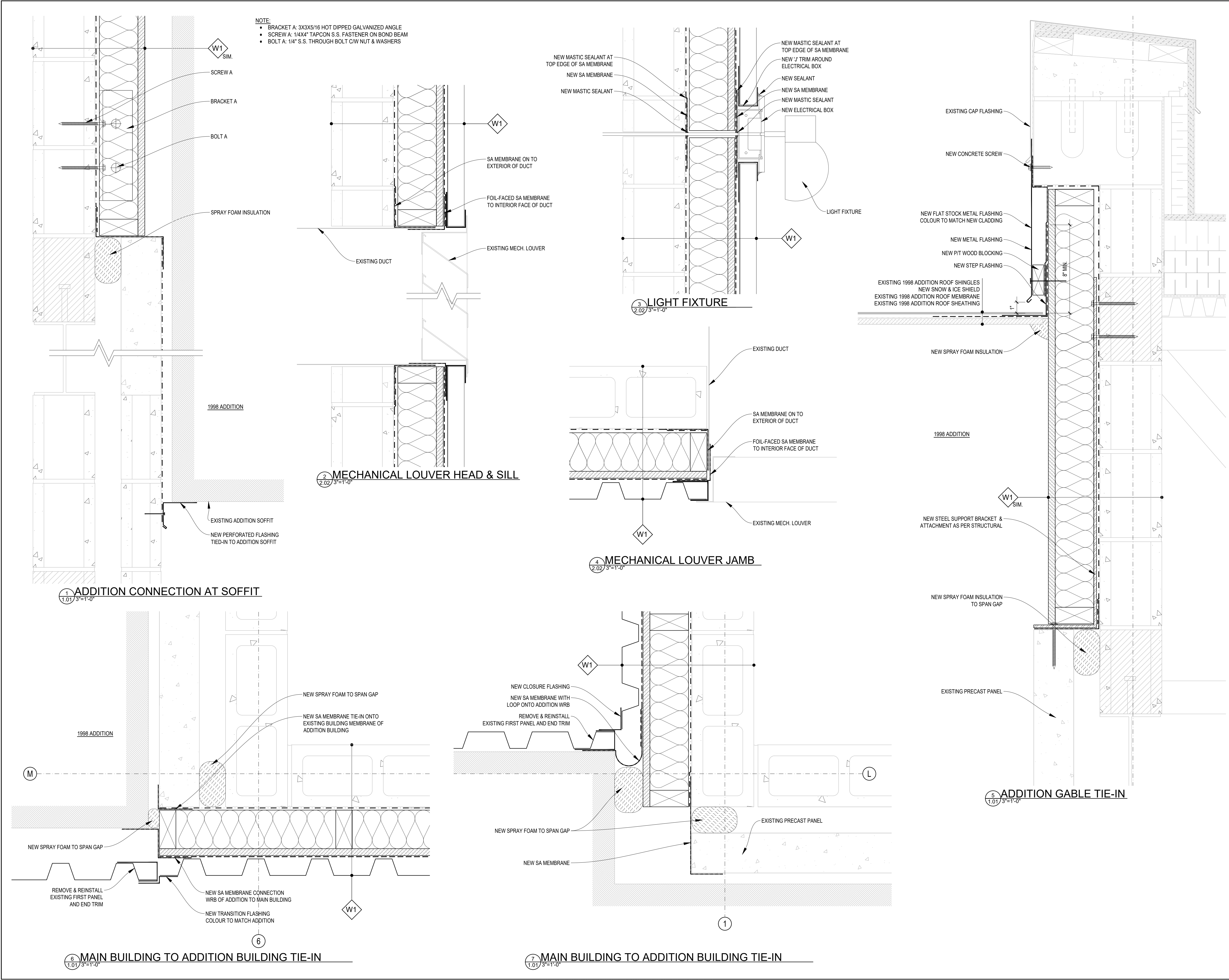
scale	AS SHOWN	échelle	sheet	feuille
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project no.	projel no.	BE-3.03
date	date	

BE-3.03

NOTE:
CMU & STEEL STRUCTURE NOT SHOWN FOR DRAWING CLARITY





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REHAB - EXTERIOR
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JASPER NATIONAL PARK
JASPER AB**

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titre du dessin

DETAILS

designed by

BW

conçu par

drawn by

JT

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approuvé par

PCA Project Manager

Administrateur de Projets TPSGC

PAIGE SHEPPARD

scale

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project no.

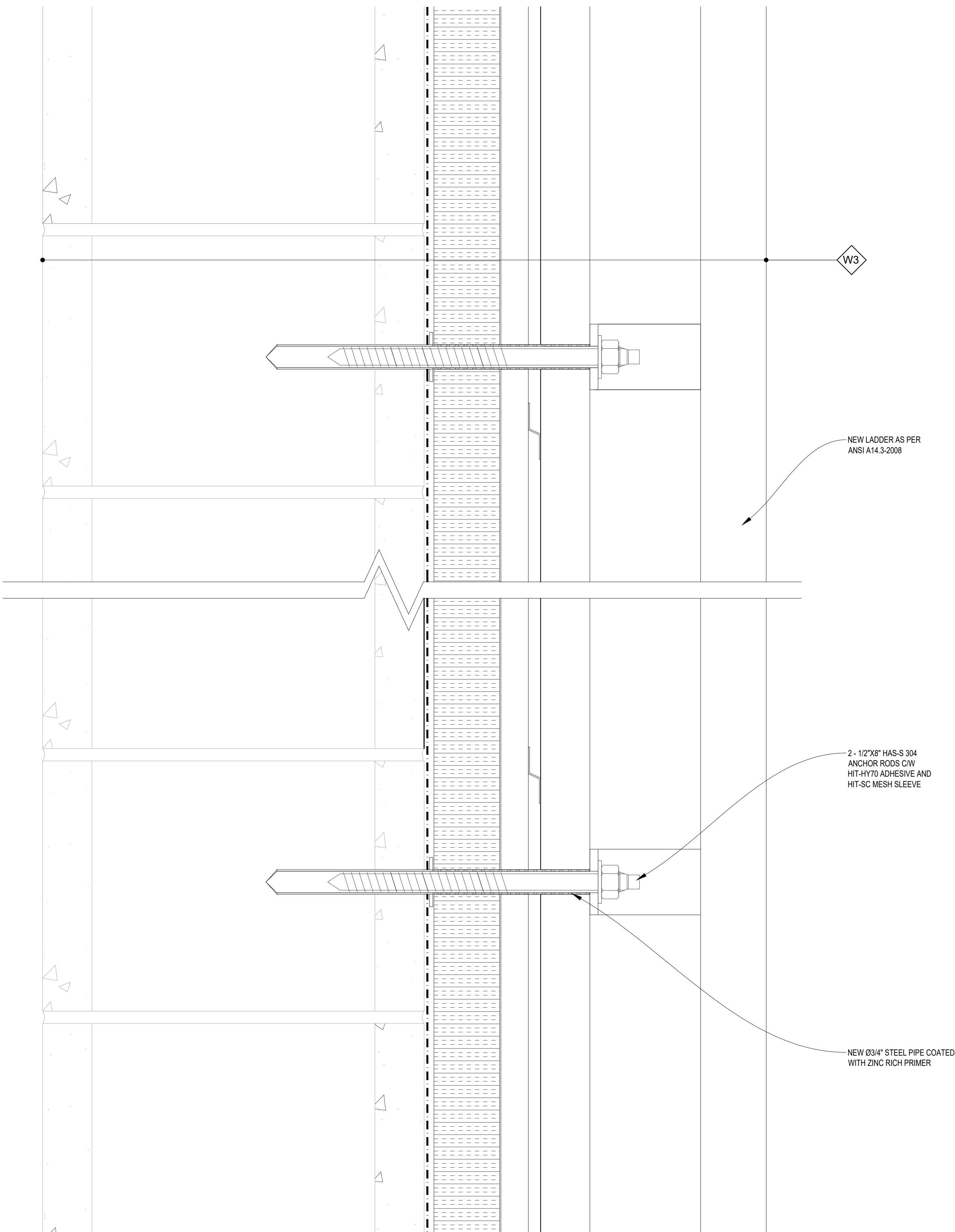
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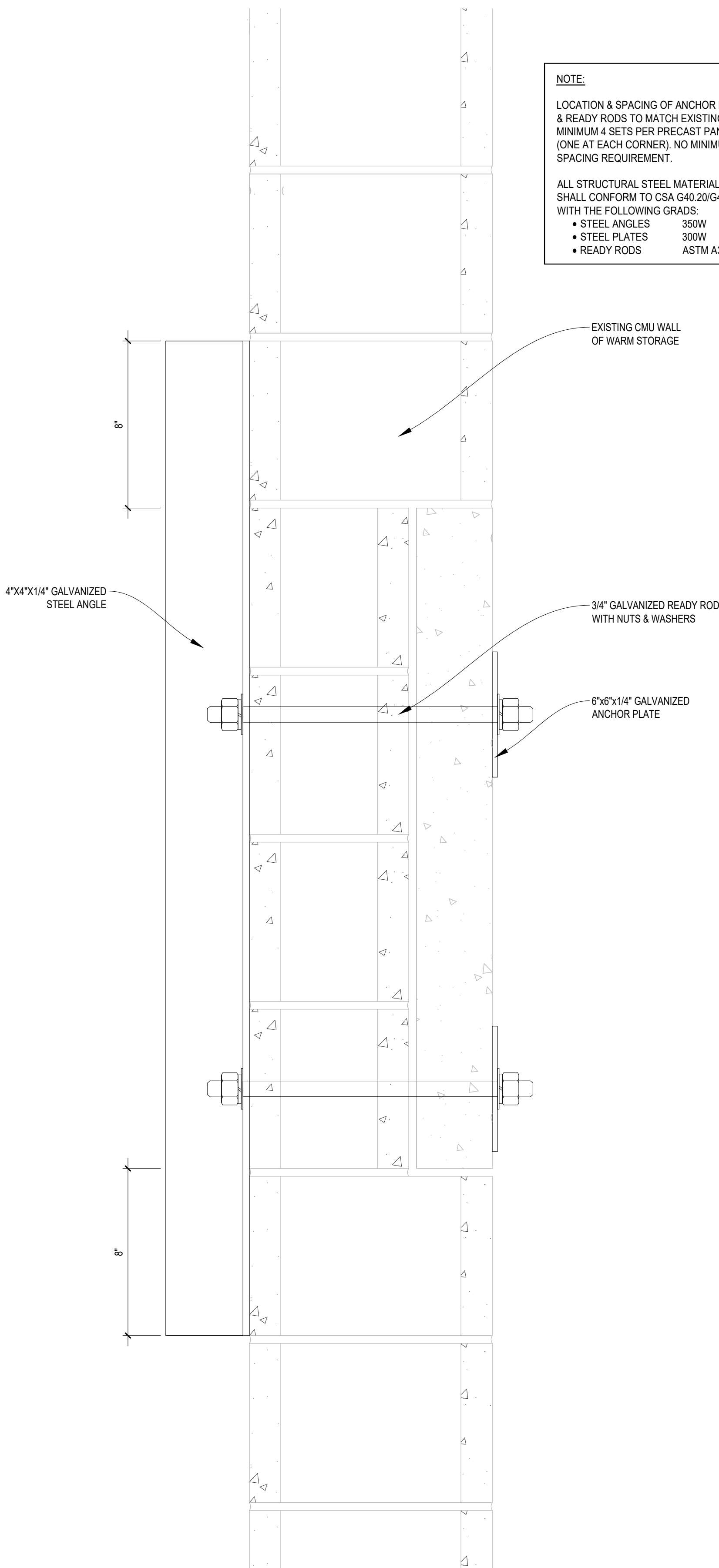
date

March 02, 2017

date




1
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1.02
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NOTE:
LOCATION & SPACING OF ANCHOR PLATES
& READY RODS TO MATCH EXISTING.
MINIMUM 4 SETS PER PRECAST PANEL
(ONE AT EACH CORNER). NO MINIMUM
SPACING REQUIREMENT.


ALL STRUCTURAL STEEL MATERIALS
SHALL CONFORM TO CSA G40.20/G40.21
WITH THE FOLLOWING GRADS:
• STEEL ANGLES 350W
• STEEL PLATES 300W
• READY RODS ASTM A325



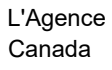
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JASPER NATIONAL PARK
JASPER AB**

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projet no.

date

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