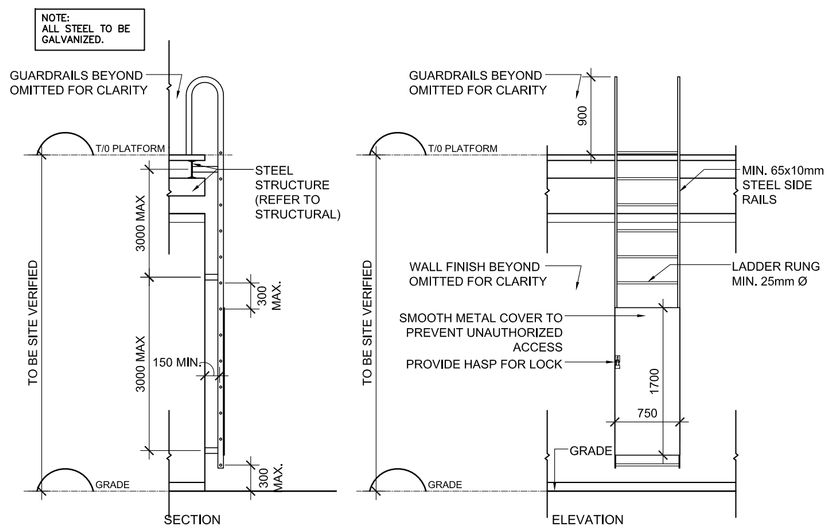
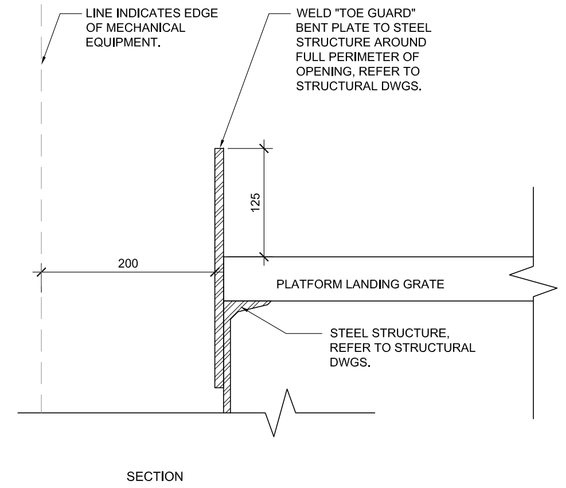


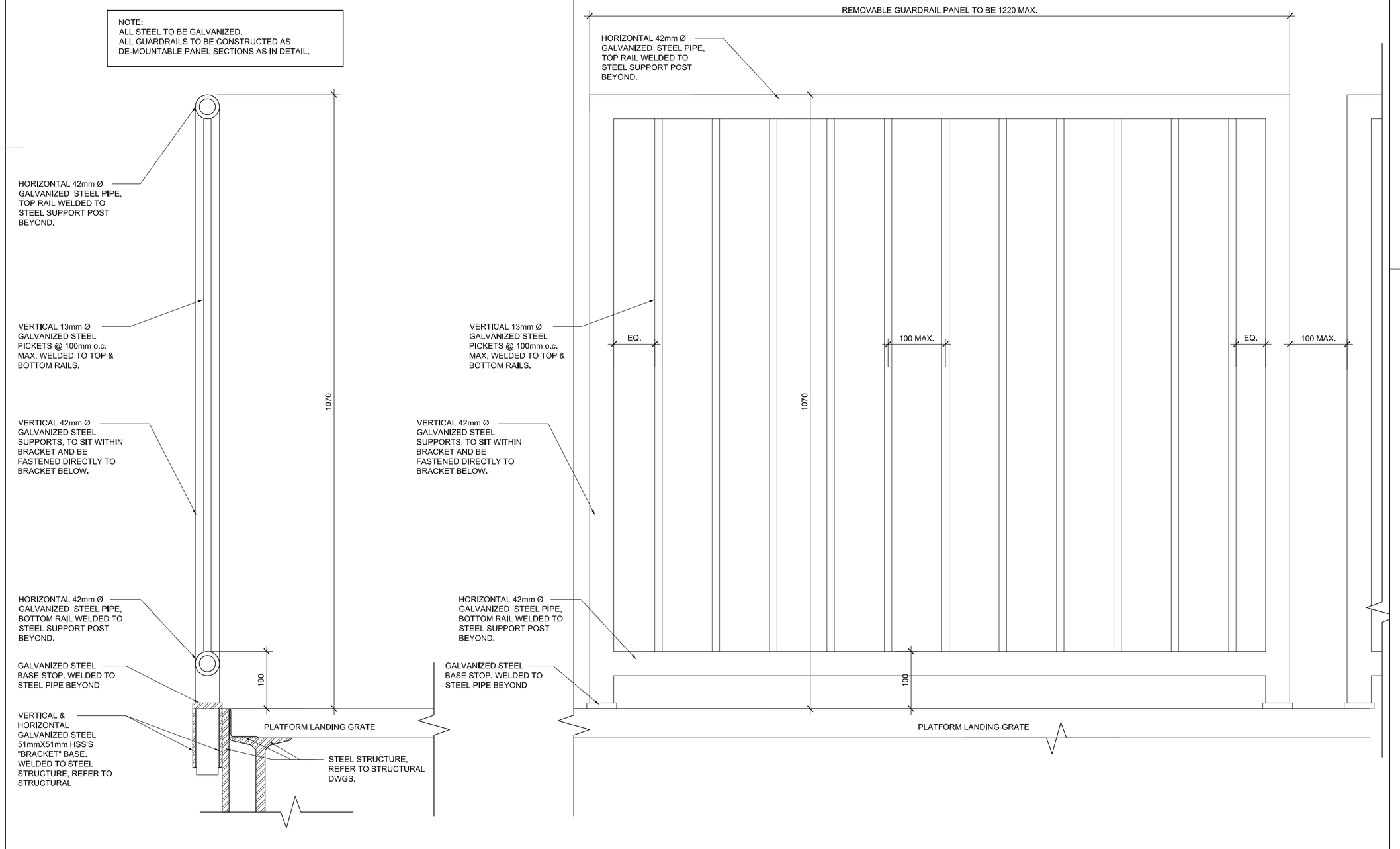
1 A-3 NEW WORKS STEEL ACCESS LADDER

SCALE: 1 : 50



3 A-3 NEW WORKS GRATE LANDING TOE GUARD DETAIL

SCALE: 1 : 5



2 A-3 NEW WORKS EXTERIOR GUARD RAIL DETAIL

SCALE: 1 : 5

REMOVALS NOTES LEGEND:

1. ARCHITECTURAL WORK WITHIN BOX REQUIRED DURING STAGE 2, NOTE ALL OTHER ARCHITECTURAL WORK TO TAKE PLACE DURING STAGE 3
2. EXISTING TO REMAIN
3. EXISTING EQUIPMENT PAD TO BE MODIFIED (REFER TO MECHANICAL & STRUCTURAL DRAWINGS)
4. REMOVE EXISTING GUARDRAILS, ROOF LADDER, WORK PLATFORM, M&E EQUIPMENT (REFER TO MECHANICAL & ELECTRICAL DRAWINGS) C/W STEEL STRUCTURE SUPPORTS
5. EXISTING LOUVER TO BE REMOVED
6. EXISTING 38mm METAL SIDING TO BE REMOVED, EXISTING RIGID INSULATION*, GIRTS AND METAL THRU WALL FLASHING @ WALL BASE TO REMAIN. * RIGID INSULATION AROUND ENDS OF REMOVED LOUVERS TO BE REMOVED TO ALLOW TIE INTO EXISTING AIR/MOISTURE BARRIER.
7. EXISTING FANS, CAP FLASHING, BUILT UP CURBS & EXISTING COUNTER FLASHING TO BE REMOVED, REFER TO NEW WORKS NOTE 24.
8. PREFINISHED METAL CAP FLASHING & ROOF COUNTER FLASHING IS TO BE REMOVED AND PROTECTED FOR REUSE, ROOF MEMBRANE IS TO BE REMOVED, ROOF PARAPET SHEATHING IS TO BE REPAIRED/ REPLACED AS NEEDED. CONTRACTOR TO CARRY IN PRICE REPLACEMENT OF 50% OF PARAPET SHEATHING WITH NEW 19mm PT PLYWOOD SHEATHING.
9. REMOVE EXISTING ROOF ASSEMBLY TO ROOF DECK AND PREP FOR NEW ROOF SHEATHING.
10. REMOVE EXISTING HSS SUPPORTS PASSING THROUGH PARAPET WALL, PATCH AND REPAIR PARAPET WALL FRAMING AND SHEATHING TO MATCH EXISTING.
11. PREPARE & CLEAN CONCRETE FLOOR SURFACE, INCLUDING EQUIPMENT PAD FOR NEW GRIT PAINT FINISH, REFER TO NEW WORKS NOTE 6.
12. REMOVE EXISTING M/E EQUIPMENT AND ROOF CURBS C/W SLEEPERS. REFER TO NEW WORKS NOTE 23. (REFER TO MECHANICAL)

GENERAL PROJECT NOTES:

1- REFER TO SPECIFICATIONS FOR DETAILED DESCRIPTION OF WORK TO BE COMPLETED AT EACH STAGE OF WORK.

2- ANCHORING OF LADDER & STRUCTURAL STEEL TO BE COORDINATED WITH STRUCTURAL DRAWINGS.

3- GRATING ON ALL STAIRS & LANDINGS TO BE CONTINUOUS BETWEEN SUPPORT BEAMS & ANCHORED IN PLACE.

4- CONTRACTOR TO PATCH AND REPAIR ALL METAL GALVANIZING DAMAGED ON SITE WITH ZINC RICH PRIMER.

5- CONTRACTOR TO PATCH AND REPAIR ALL PAINT FINISHES DAMAGED ON SITE WITH ZINC RICH PRIMER & PAINT FINISH TO MATCH EXISTING.

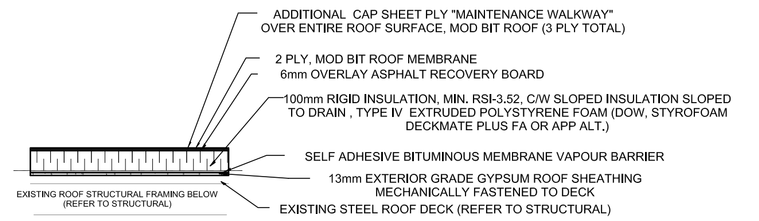
6- ALL BALUSTRADES ARE TO BE CONSTRUCTED TO BE DE-MOUNTABLE.

7- THE CONTRACTOR IS CAUTIONED THAT CERTAIN PVC MEMBRANES ARE INCOMPATIBLE WITH ASHPHALT, COAL TAR, HEAVY OILS, ROOFING CEMENTS, CREOSOTE AND SOME PRESERVATIVE MATERIALS. SUCH MATERIALS SHALL NOT REMAIN IN CONTACT WITH THE PVC MEMBRANES. THE CONTRACTOR SHALL CONSULT ROOF MEMBRANE MANUFACTURER REGARDING COMPATIBILITY, PRECAUTIONS AND RECOMMENDATIONS.

NEW WORKS ASSEMBLY SCHEDULE:

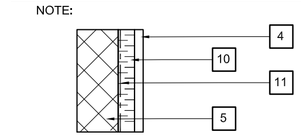
R1 ROOF ASSEMBLY 1

NOTE:
ROOF MEMBRANE TO BE REFLECTIVE TYPE COLOUR WHITE.
PROVIDE CANT STRIPS AT ALL PARAPET WALLS AND CURBS AS RECOMMENDED BY MANUFACTURER OF ROOF MEMBRANE
PROVIDE SLOPED INSULATION IF NEEDED TO PROVIDE SLOPE OF MIN 1:100 TO DRAIN.



W1 WALL ASSEMBLY 1

NOTE:



NEW WORKS NOTES LEGEND:

1. ARCHITECTURAL WORK WITHIN BOX REQUIRED DURING STAGE 2, NOTE ALL OTHER ARCHITECTURAL WORK TO TAKE PLACE DURING LATER STAGES, REFER TO SPECIFICATIONS
2. EXISTING TO REMAIN
3. EXISTING EQUIPMENT PAD TO BE MODIFIED (REFER TO MECHANICAL & STRUCTURAL DRAWINGS)
4. INSTALL NEW 38mm SIDING TO MATCH EXISTING (VIC WEST, HIDDEN FASTENER, AD 300-R/SR OR APP, ALT.), COLOUR TO MATCH EXISTING. CONTRACTOR TO CARRY IN PRICE FOR 100% REPLACEMENT (WITH NEW) OF SIDING AREA INDICATED.
5. OPENING TO BE FILLED IN WITH NEW 190mm BLOCK, BLOCK INFILL TO TIE INTO EXISTING BLOCK WALLS, REFER TO SPECIFICATIONS.
6. PROVIDE NEW GRAY COLOUR GRIT PAINT FINISH ON CONCRETE FLOOR & EQUIPMENT PAD, PREPARE SURFACE AND PROVIDE PRIMER COATS AS DIRECTED BY MANUFACTURER.
7. PROVIDE NEW ROOF DRAIN REFER TO DRAWING 5/A-2 (REFER TO MECHANICAL & STRUCTURAL)
8. PROVIDE NEW PRE-FINISHED METAL ROOF SCUPPER (COLOUR TO MATCH EXISTING CAP FLASHING) REFER TO DRAWINGS 6 & 7/ A-2. REMOVE SMALL SECTION OF EXISTING PARAPET WALL, SIDING AND INSULATION TO ACCOMODATE NEW SCUPPER.
9. PROVIDE NEW PRE-FINISHED METAL THRU WALL FLASHING AT WALL BASE TO OVERLAP EXISTING BY A MIN OF 150mm. COLOUR TO MATCH EXISTING. REFER TO DRAWING 8/A-2.
10. PROVIDE 75mm RIGID INSULATION, TYPE X EXTRUDED POLYSTYRENE FOAM (DOW, STYROFOAM CAVITYMATE OR APP. ALT.) TIE THERMAL BARRIER INTO EXISTING.
11. PROVIDE AIR BARRIER & TIE INTO EXISTING, PROVIDE MIN. OVERLAP AS PER MANUFACTURERS RECOMENDATIONS.
12. PROVIDE CONT. SEALANT BEAD AT JUNCTION BETWEEN MATERIALS
13. PROVIDE NEW H.S.S. SUPPORTS (REFER TO STRUCTURAL), REMOVE SMALL SECTION OF PARAPET WALL TO SUIT NEW H.S.S SUPPORT, PATCH AND REPAIR PARAPET WALL AS NEEDED TO SUIT NEW SUPPORT. PROVIDE PRE-FINISHED METAL STACK FLASHING C/W PRESSURE GROMMET SEAL AND SEALANT BEAD AT JUNCTION BETWEEN PRE-FINISHED METAL CAP FLASHING AND STACK FLASHING & AT TOP OF STACK FLASHING TO H.S.S SUPPORT. H.S.S SUPPORTS TO BE COMPLETELY FILLED WITH SPRAY FOAM INSULATION.
14. RE-INSTALL UNDAMAGED EXISTING PARAPET CAP FLASHING & NEW PRE-FINISHED METAL CAP FLASHING, COLOUR TO MATCH EXISTING. CONTRACTOR TO CARRY IN PRICE FOR 50% REPLACEMENT (WITH NEW) OF LINEAR PERIMETER OF ENTIRE HYDRAULIC BUILDING PARAPET CAP FLASHING.
15. NEW M/E EQUIPMENT (REFER TO MECHANICAL & ELECTRICAL DRAWINGS)
16. NEW ROOF MEMBRANE TO BE CARRIED UP AND OVER ENTIRE PARAPET WALL
17. PROVIDE NEW STEEL GRATE PLATFORM AS INDICATED (REFER TO SPECIFICATIONS & STRUCTURAL)
18. PROVIDE NEW GALVANIZED STEEL LADDER, REFER TO DRAWING 1/A-3
19. PROVIDE NEW GALVANIZED STEEL GUARDRAILS, REFER TO DRAWING 2/A-3
20. OPENING IN NEW GRATE PLATFORM TO ACCOMMODATE M/E PIPING, REFER TO DRAWING 3/A-3 (REFER TO STRUCTURAL & MECHANICAL)
21. PROVIDE NEW PARAPET DEPRESSION TO ACCOMMODATE NEW M/E PIPING GC TO COORDINATE. REFER TO DRAWING 9/A-2, (REFER TO MECHANICAL)
22. PATCH & REPAIR DAMAGE TO EXISTING FINISHES AROUND DUCT WORK. PROVIDE TOOLED SEALANT BEAD AROUND FULL PERIMETER OF DUCT WORK.
23. PROVIDE NEW PRESSURE TREATED WOOD SLEEPERS C/W PVC ROOF MEMBRANE & PREFINISHED METAL CAP FLASHING. PATCH AND REPAIR PVC ROOF MEMBRANE, ROOF MEMBRANE TO BE CONTINUOUS UP & OVER NEW CURBS, ROOF CURB SIZES AND AREAS OF PVC ROOF TO BE PATCHED AS PER DRAWINGS 8/A-1, CONTRACTOR TO ALLOW FOR AN ADDITIONAL 20m sq. OVER AND ABOVE ROOF PATCH AREAS STATED PREVIOUSLY , ENTIRE PVC ROOF SURFACE TO BE CONSIDERED A MAINTENANCE WALKWAY.
24. FILL IN OPENING WITH NEW ROOF DECK. ROOF ASSEMBLY TO BE R1. (REFER TO STRUCTURAL)

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

Canada

100-1960 Robertson Road, Suite 100
Ottawa (Ontario) K2H 5B9
(613) 596-6454
(613) 596-3346_Fax
www.bpa.ca

1960, chemin Robertson, bureau 100
Ottawa (Ontario) K2H 5B9
(613) 596-6454
(613) 596-3346 – télécopieur
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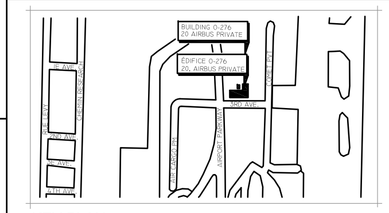

ONTARIO ASSOCIATION OF ARCHITECTS
TOON F. DREESSEN
LICENCE
5910

3	TENDER	2015-04-15
2	100% ISSUE-TENDER	2015-01-30
1	ISSUED FOR 99% REVIEW	2014-10-16
revisions	description	date
révisions	description	date

A detail no., no du détail
B location drawing no., no du dessin de localisation
C drawing no., no du dessin

project / projet

CHILLER REPLACEMENT
FOR TRANSPORT CANADA
TRAINING CENTRE
(BUILDING 0-276)

drawing / dessin

HYDRAULIC BUILDING
REMOVALS & NEW WORKS
METAL DETAILS

Designed By	RICHARD HUOT	Conçu par
Date	2014-10-09	(yyyy/mm/dd)
Drawn By	RICHARD HUOT	Dessiné par
Date	2014-10-09	(yyyy/mm/dd)
Reviewed By	TOON DREESSEN	Examiné par
Date	2014-10-09	(yyyy/mm/dd)
Approved By	TOON DREESSEN	Approuvé par
Date	2014-10-09	(yyyy/mm/dd)
Tender	-	Soumission
Project Manager	K.DUNN	Administrateur de projet

Project no. / No du projet
R.060139.002

Drawing no. / No du dessin
A-3