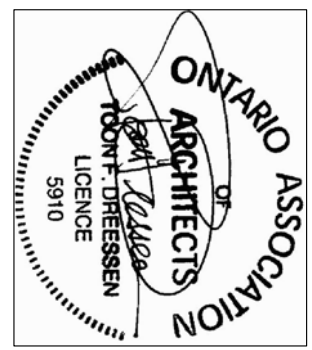
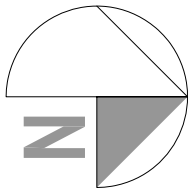


KEY PLAN
PLAN-REPERE
PROJECT NORTH



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

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

drawing
HYDRAULIC BUILDING
REMOVALS & NEW WORKS
FLOOR PLANS & ELEVATIONS

Designed By RICHARD HUOT
Date 2014-10-09
Drawn By RICHARD HUOT
Reviewed By TOON DREESSEN
Date 2014-10-09
Approved By TOON DREESSEN
Date 2014-10-09
Tender -
Project Manager K. DUINN
Project no. R.060139.002
Drawing no. A-1

REMOVALS NOTES/LEGEND:

- ARCHITECTURAL WORK WITHIN BOX REQUIRED DURING STAGE 2. NOTE ALL OTHER ARCHITECTURAL WORK TO TAKE PLACE DURING STAGE 3
- EXISTING TO REMAIN
- EXISTING EQUIPMENT PAD TO BE MODIFIED (REFER TO MECHANICAL & STRUCTURAL DRAWINGS)
- REMOVE EXISTING GUARDRAILS, ROOF LADDER, WORK PLATFORM, M&E EQUIPMENT (REFER TO MECHANICAL & ELECTRICAL DRAWINGS) C/W STEEL STRUCTURE SUPPORTS
- EXISTING LOUVER TO BE REMOVED
- EXISTING 30mm METAL SIDING TO BE REMOVED. EXISTING RIGID INSULATION, GIRTS AND METAL THRU WALL FLASHING @ WALL BASE BARRELS.
- EXISTING 15mm RIGID INSULATION AROUND ENDS OF REMOVED LOUVERS TO BE REMOVED TO ALLOW THE INTO EXISTING AIRMOISTURE
- EXISTING 30mm METAL SIDING TO BE REMOVED. EXISTING 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 PLYWOOD SHEATHING.
- REMOVE EXISTING ROOF ASSEMBLY TO ROOF DECK AND PREP FOR NEW ROOF SHEATHING.
- REMOVE EXISTING HSS SUPPORTS PASSING THROUGH PARAPET WALL. PATCH AND REPAIR PARAPET WALL FRAMING AND SHEATHING TO MATCH EXISTING.
- PREPARE & CLEAN CONCRETE FLOOR SURFACE, INCLUDING EQUIPMENT PAD FOR NEW GRIOT PAINT FINISH. (REFER TO NEW WORKS NOTE 6)
- REMOVE EXISTING M&E EQUIPMENT AND ROOF CURBS C/W SLEEFERS. REFER TO NEW WORKS NOTE 23. (REFER TO MECHANICAL)

GENERAL PROJECT NOTES:

- REFER TO SPECIFICATIONS FOR DETAILED DESCRIPTION OF WORK TO BE COMPLETED AT EACH STAGE OF WORK.
- ANCHORING OF LADDER & STRUCTURAL STEEL TO BE COORDINATED WITH STRUCTURAL DRAWINGS.
- GRATING ON ALL STAIRS & LANDINGS TO BE CONTINUOUS BETWEEN SUPPORT BEAMS & ANCHORED IN PLACE.
- CONTRACTOR TO PATCH AND REPAIR ALL METAL GALVANIZING DAMAGED ON SITE WITH ZINC RICH PRIMER.
- CONTRACTOR TO PATCH AND REPAIR ALL PAINT FINISHES DAMAGED ON SITE WITH ZINC RICH PRIMER & PAINT FINISH TO MATCH EXISTING.
- ALL BALUSTRADES ARE TO BE CONSTRUCTED TO BE DEMOUNTABLE.

7- THE CONTRACTOR IS CAUTIONED THAT CERTAIN PVC MEMBRANES ARE INCOMPATIBLE WITH ASPHALT. COAL TAR, HEAVY OILS, ROOFING FLUENTS, AND OTHERS ARE ALSO INCOMPATIBLE WITH PVC. THE CONTRACTOR SHALL CONSULT WITH THE MANUFACTURER REGARDING COMPATIBILITY PRECAUTIONS AND RECOMMENDATIONS. THE CONTRACTOR SHALL CONSULT ROOF MEMBRANE MANUFACTURER REGARDING COMPATIBILITY PRECAUTIONS AND RECOMMENDATIONS.

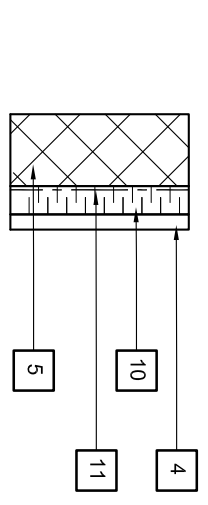
NEW WORKS ASSEMBLY SCHEDULE:

Roof Assembly 1

NOTE:
ROOF MEMBRANE TO BE REFLECTIVE TYPE COLOUR WHITE.
ROOF FLASHING TO BE REFLECTIVE TYPE COLOUR WHITE.
REMOVE EXISTING ROOF FLASHING AND REPAIR WITH NEW 19mm PLYWOOD SHEATHING.
PROVIDE SLOPED INSULATION IF NEEDED TO PROVIDE SLOPE OF MIN 1:100 TO DRAIN.

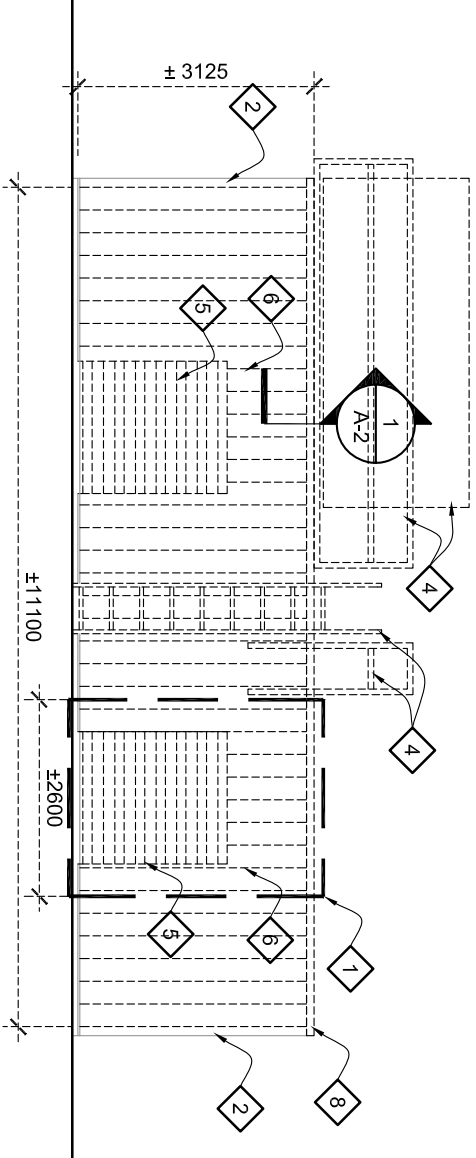
ADDITIONAL CAP SHEET PLY "MAINTENANCE WALKWAY"
OVER ENTIRE ROOF SURFACE, MOD BIT ROOF (3 PLY TOTAL)
2 PLY MOD BIT ROOF MEMBRANE
6mm OVERLAY ASPHALT RECOVERY BOARD
100mm RIGID INSULATION, MIN. R5.1 & 2 C/W SLOPED INSULATION SLOPED TO DRAIN, TYPE IV EXTRUDED POLYSTYRENE FOAM (DOW, STYROFOAM DECKMADE PLUS PA OR APP AL1)
19mm EXTERIOR GRAPE CRYSTAL ROOF SHEATHING
SELF ADHESIVE BITUMINOUS MEMBRANE VAPOR BARRIER
MECHANICALLY FASTENED TO DECK
EXISTING STEEL ROOF DECK (REFER TO STRUCTURAL)
EXISTING ROOF STRUCTURAL FRAMING BELOW
(REFER TO STRUCTURAL)

Wall Assembly 1



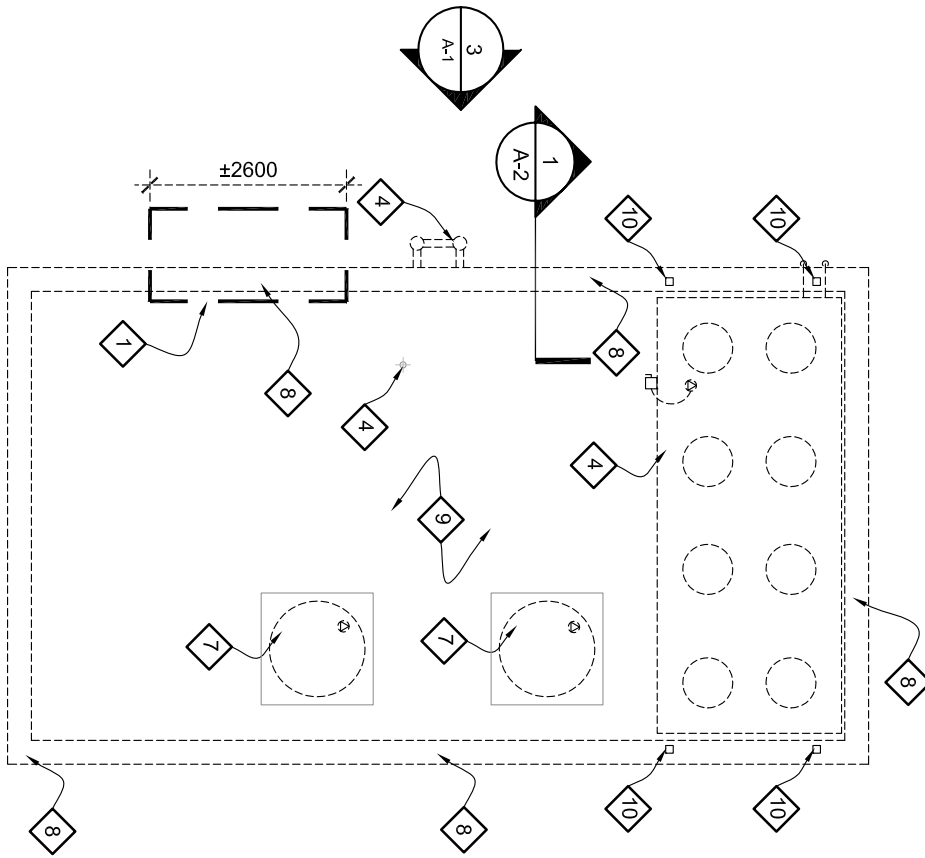
NEW WORKS NOTES/LEGEND:

- ARCHITECTURAL WORK WITHIN BOX REQUIRED DURING STAGE 2. NOTE ALL OTHER ARCHITECTURAL WORK TO TAKE PLACE DURING LATER STAGES. REFER TO SPECIFICATIONS
- EXISTING TO REMAIN
- EXISTING EQUIPMENT PAD TO BE MODIFIED (REFER TO MECHANICAL & STRUCTURAL DRAWINGS)
- INSTALL NEW 50mm SIDING TO MATCH EXISTING AND USE HIDDEN FASTENERS AT 900mm ON APP. AL1.1. COLOUR TO MATCH EXISTING. CONTRACTOR TO CARRY IN PRICE FOR 100% REPLACEMENT (WITH NEW) OF SIDING AREA INDICATED.
- OPENING TO BE FILLED IN WITH NEW 190mm BLOCK, BLOCK INFILL TO THE INTO EXISTING BLOCK WALLS. REFER TO SPECIFICATIONS.
- PROVIDE NEW GRAY COLOUR GRIOT PAINT FINISH ON CONCRETE FLOOR & EQUIPMENT PAD. PREPARE SURFACE AND PROVIDE PRIMER COATS AS DIRECTED BY MANUFACTURER.
- PROVIDE NEW ROOF DRAIN REFER TO DRAWING 5A-2 (REFER TO MECHANICAL & STRUCTURAL)
- REMOVE 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 ACCOMMODATE NEW SCUPPER.
- 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 5A-2.
- PROVIDE 75mm RIGID INSULATION, TYPE X EXTRUDED POLYSTYRENE FOAM (DOW, STYROFOAM CANTIMATE OR APP. AL1.1). THE THERMAL BARRIER INTO EXISTING.
- PROVIDE AIR BARRIER & TIE INTO EXISTING. PROVIDE MIN. OVERLAP AS PER MANUFACTURERS RECOMMENDATIONS.
- PROVIDE CONT. SEALANT BEAD AT JUNCTION BETWEEN MATERIALS
- 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.
- 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.
- NEW M&E EQUIPMENT (REFER TO MECHANICAL & ELECTRICAL DRAWINGS)
- NEW ROOF MEMBRANE TO BE CARRIED UP AND OVER ENTIRE PARAPET WALL
- PROVIDE NEW STEEL GRATE PLATFORM AS INDICATED (REFER TO SPECIFICATIONS & STRUCTURAL)
- PROVIDE NEW GALVANIZED STEEL LADDER. REFER TO DRAWING 1A-3
- PROVIDE NEW GALVANIZED STEEL GUARDRAILS. REFER TO DRAWING 2A-3
- OPENING IN NEW GRATE PLATFORM TO ACCOMMODATE M&E PIPING. REFER TO DRAWING 3A-3 (REFER TO STRUCTURAL & MECHANICAL)
- PROVIDE NEW PARAPET DEPRESSION TO ACCOMMODATE NEW M&E PIPING GC TO COORDINATE.
- REFER TO DRAWING 5A-2. (REFER TO MECHANICAL)
- PATCH & REPAIR DAMAGE TO EXISTING FINISHES AROUND DUCT WORK. PROVIDE TOOLED SEALANT BEAD AROUND PULL PERIMETER OF DUCT WORK.
- REMOVE NEW PRESSURE TREATED WOOD SLEEFERS C/W PVC ROOF MEMBRANE & DEGRADED METAL CAP FLASHING. PATCH AND REPAIR ROOF MEMBRANE. ROOF MEMBRANE TO BE CONTINUED UP OVER NEW CURB SIZES AND AREAS OF PVC ROOF TO BE PATCHED AS PER DRAWINGS 5A-1. CONTRACTOR TO ALLOW FOR AN ADDITIONAL 20mm 4% OVER AND ABOVE ROOF PATCH AREAS STATED PREVIOUSLY. ENTIRE PVC ROOF SURFACE TO BE CONSIDERED A MAINTENANCE WALKWAY.
- FILL IN OPENING WITH NEW ROOF DECK. ROOF ASSEMBLY TO BE R1. (REFER TO STRUCTURAL)



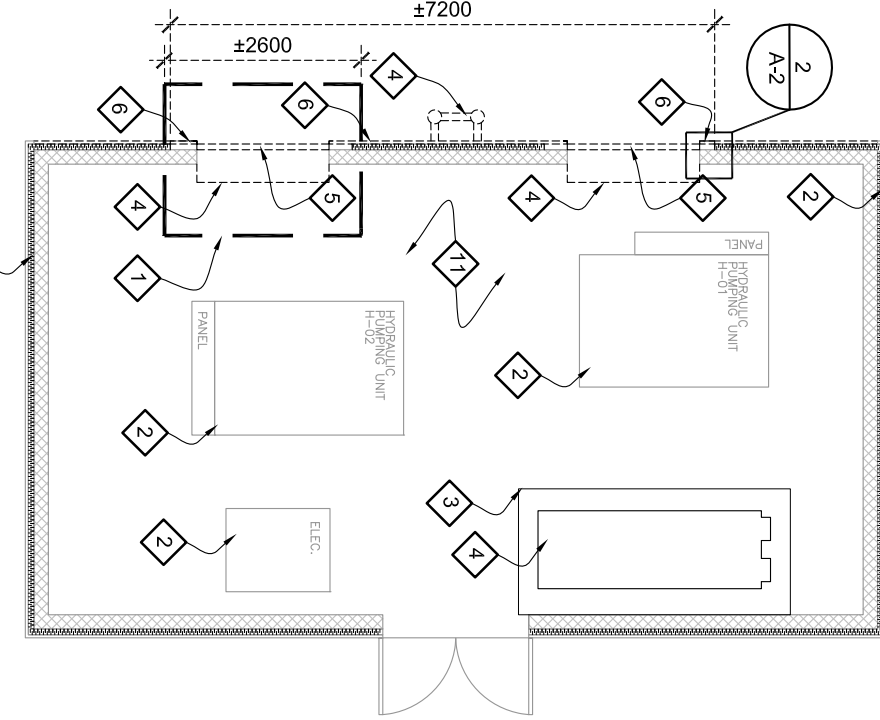
REMOVALS WEST ELEVATION

SCALE: 1 : 100



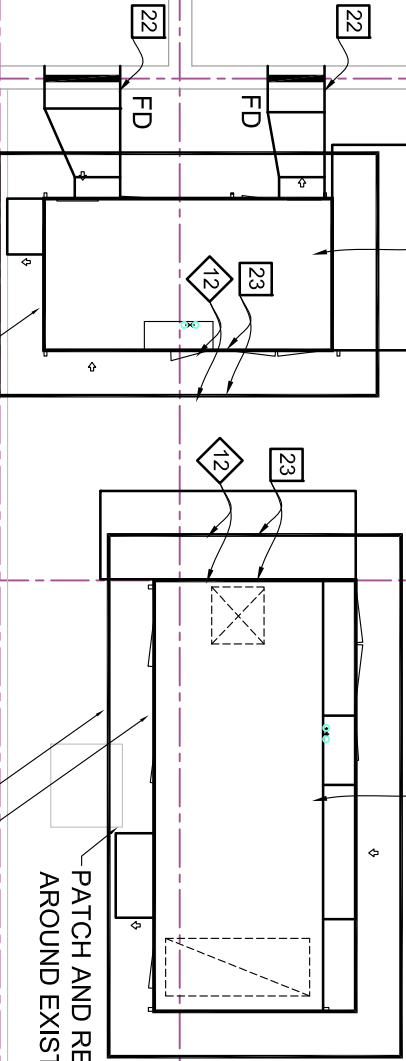
REMOVALS ROOF PLAN

SCALE: 1 : 100



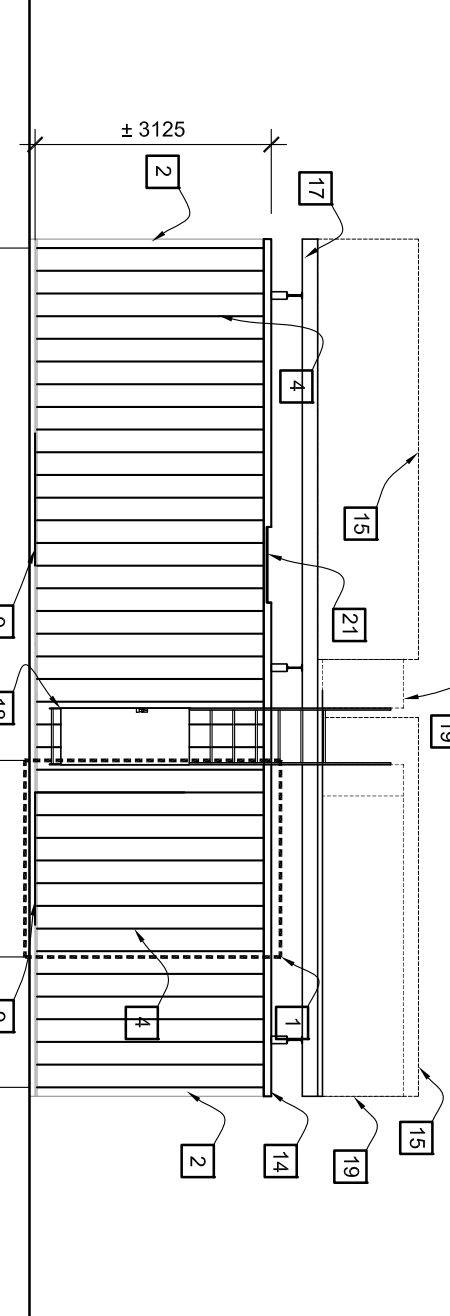
REMOVALS GROUND FLOOR PLAN

SCALE: 1 : 100



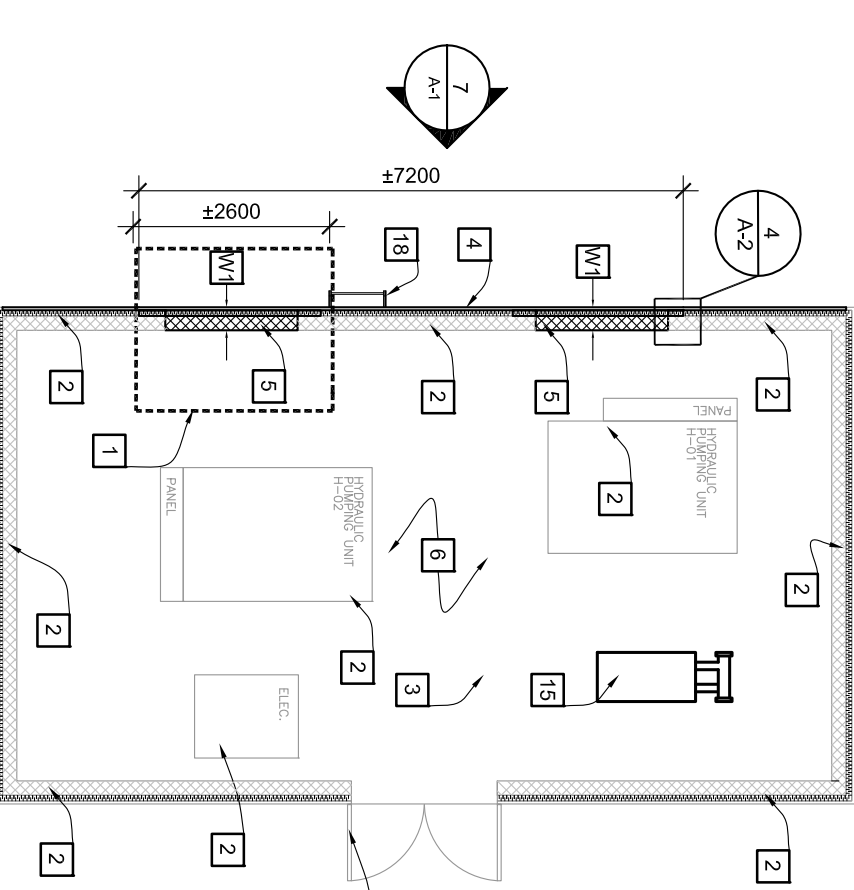
MAIN BUILDING: ROOF PLAN

SCALE: 1 : 100



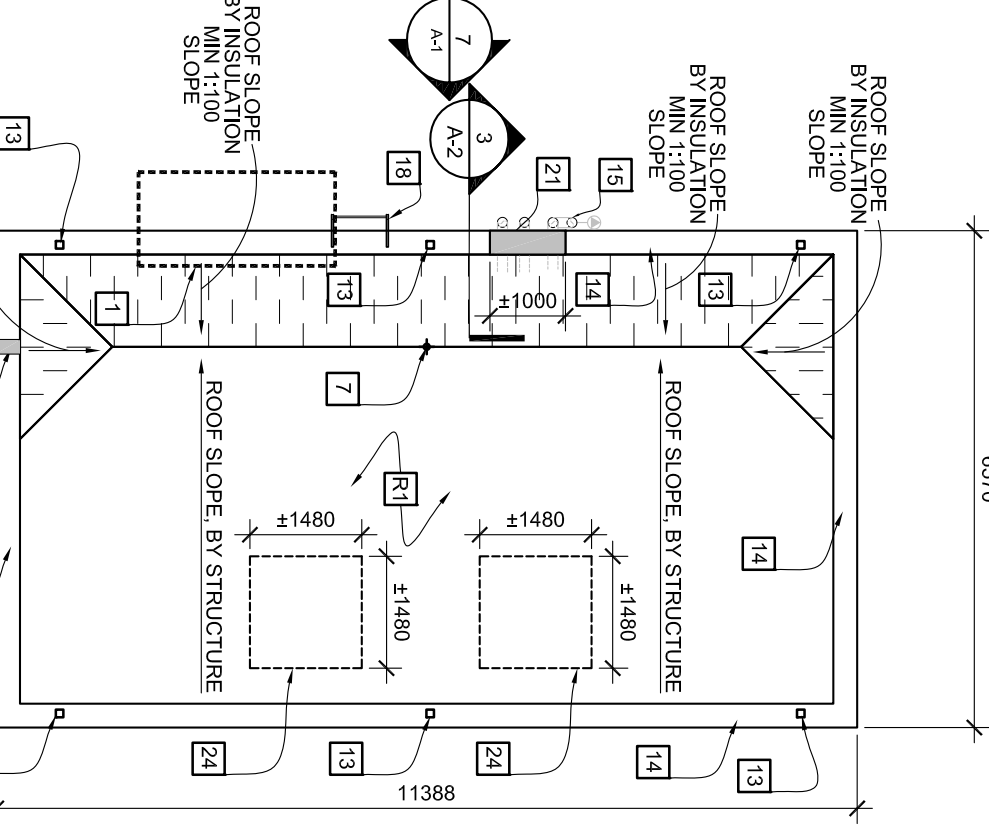
NEW WORKS WEST ELEVATION

SCALE: 1 : 100



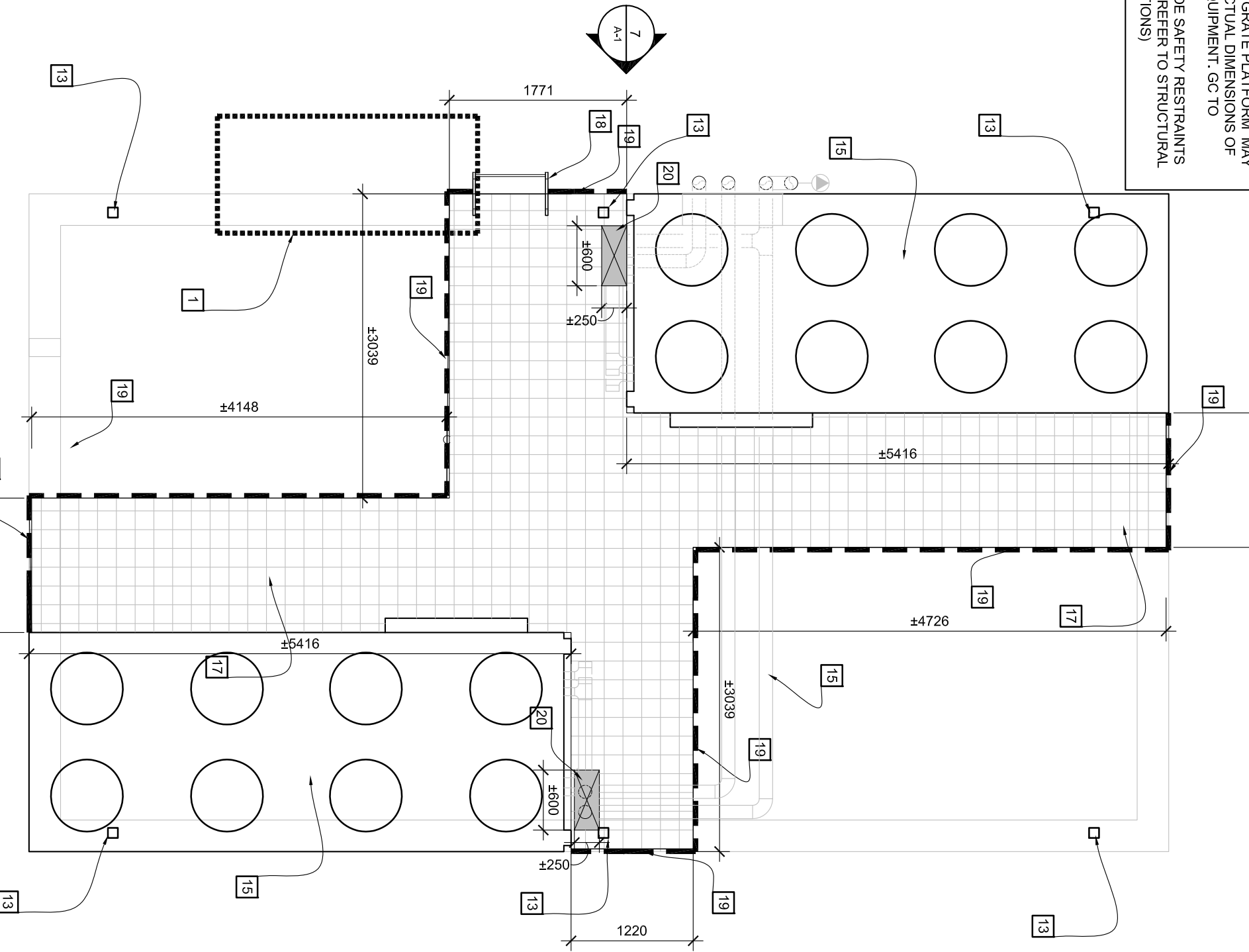
NEW WORKS GROUND FLOOR PLAN

SCALE: 1 : 100



NEW WORKS ROOF PLAN

SCALE: 1 : 100



NEW WORKS STEEL PLATFORM PLAN

SCALE: 1 : 90