

HVAC UPGRADES TO MAIN BUILDING PARRY SOUND CANADIAN COAST GUARD BASE

28 WAUBEEK STREET, PARRY SOUND, ONTARIO

PROJECT NUMBER: R.064667.004

DRAWING LIST

ARCHITECTURAL:

A-000 COVER SHEET & SITE PLAN
A-A01 SHOP WING - FLOOR PLAN
A-A02 ADMIN. WING - FLOOR PLAN
A-A03 SHOP WING - ROOF PLAN
A-A04 ADMIN. WING - ROOF PLAN & DETAILS
A-A05 ELEVATIONS
A-A06 ELEVATIONS
A-A07 SHOP WING - R.C.P
A-A08 ADMIN. WING - R.C.P
A-A12 DETAILS

STRUCTURAL:

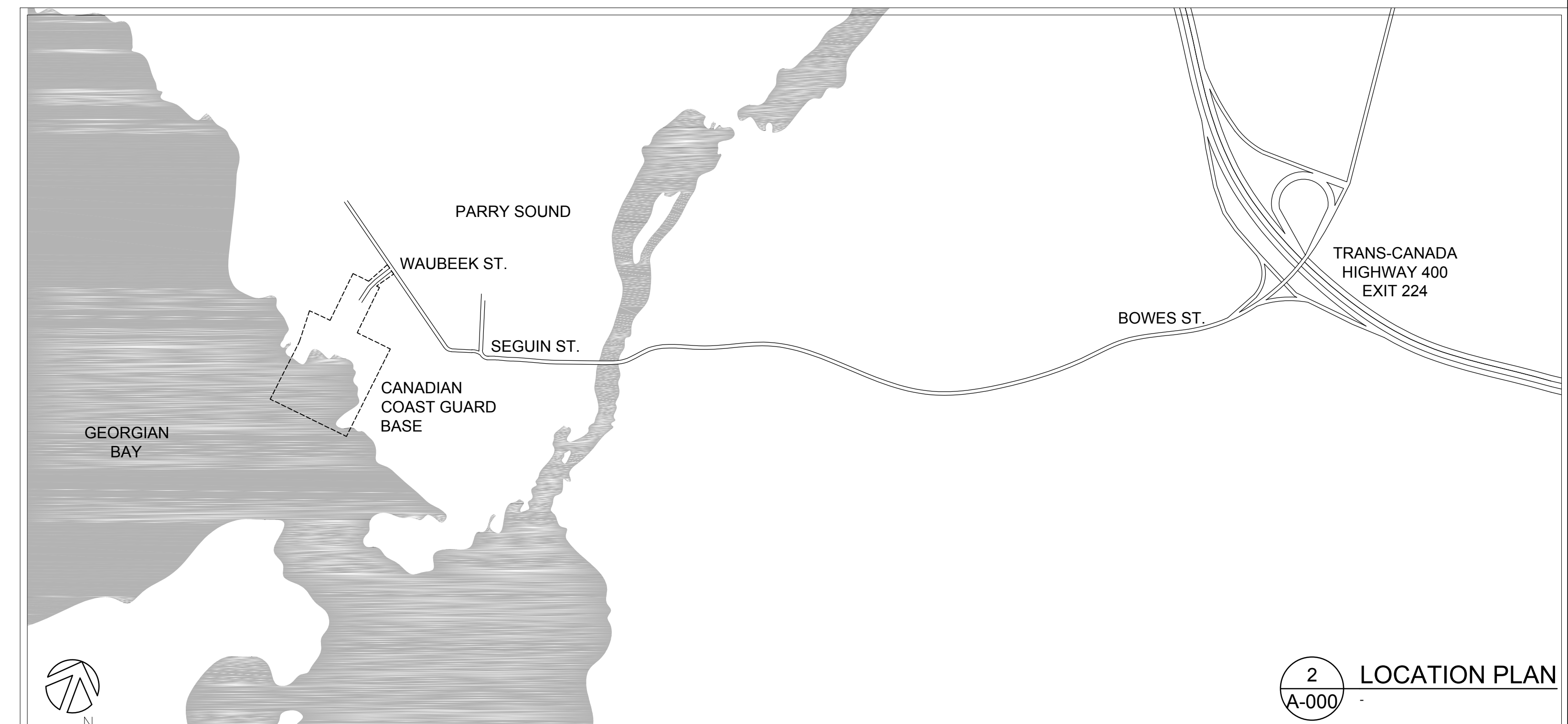
S100 GENERAL NOTES AND TYPICAL DETAILS
S-A01 MAIN BUILDING PART ROOF FRAMING
PLANS AND DETAILS

MECHANICAL:

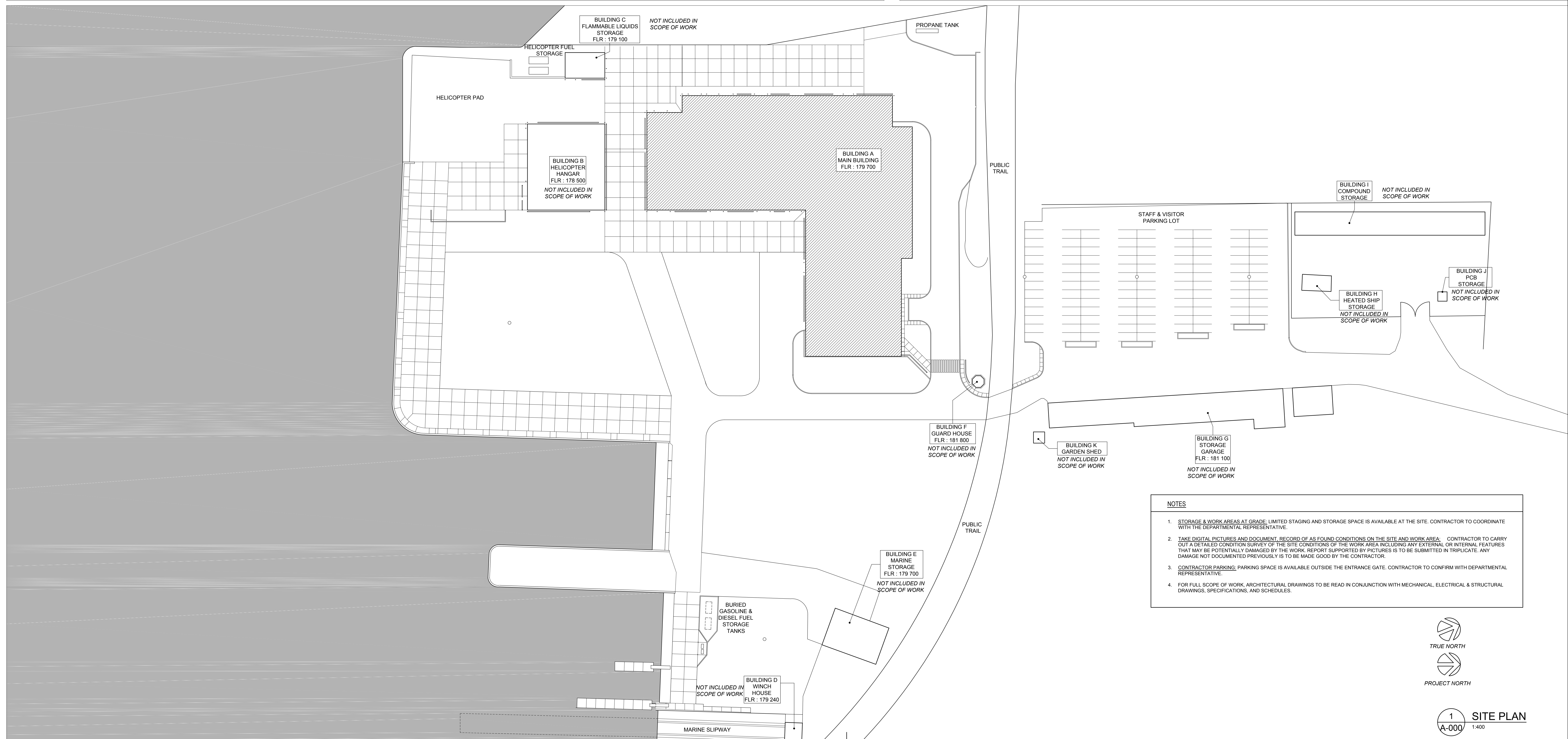
M-001 MECHANICAL LEGEND & DRAWING LIST
MA-001 KEY PLAN - SHOP WING
MA-002 KEY PLAN - ADMINISTRATION AREA -
GROUND AND SECOND FLOOR
MA-402 ADMINISTRATION - HVAC DUCTWORK
MA-403 FAN ROOM - HVAC DUCTWORK
MA-404 MECHANICAL - HVAC DUCTWORK
MA-405 MECHANICAL ROOM - HVAC PIPING
MA-451 BOILER ROOM LAYOUT HVAC PIPING
MA-452 ROOF PLAN HVAC PIPING
MA-501 CENTRAL STORES - HVAC DUCTWORK
MA-502 IT ROOM - HVAC DUCTWORK
MA-503 BOILER ROOM HVAC DUCTWORK
M-701 HOT WATER HEATING SCHEMATIC-NEW
M-701D HOT WATER HEATING SCHEMATIC -
DEMOLITION
MA-801 MAIN BUILDING - MECHANICAL DETAILS
MA-802 MAIN BUILDING - MECHANICAL DETAILS
MA-803 MAIN BUILDING - MECHANICAL DETAILS

ELECTRICAL:

E-001 ELECTRICAL LEGEND, DRAWING LIST
AND SITE PLAN
E-100 MECHANICAL EQUIPMENT SCHEDULE
E-101 ELECTRICAL PANEL SCHEDULES
E-200 SHOP WING GROUND FLOOR PLAN
E-201 ADMIN WING - GROUND, SECOND &
THIRD FLOOR PLAN
E-202 SHOP WING - ROOF PLAN
E-203 ADMIN WING - ROOF PLAN
E-500 SINGLE LINE DIAGRAM

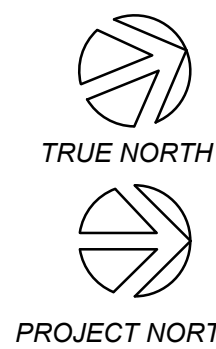


2
A-000 LOCATION PLAN



NOTES

- STORAGE & WORK AREAS AT GRADE: LIMITED STAGING AND STORAGE SPACE IS AVAILABLE AT THE SITE. CONTRACTOR TO COORDINATE WITH THE DEPARTMENTAL REPRESENTATIVE.
- TAKE DIGITAL PICTURES AND DOCUMENT RECORD OF AS FOUND CONDITIONS ON THE SITE AND WORK AREA. CONTRACTOR TO CARRY OUT A DETAILED CONDITION SURVEY OF THE SITE CONDITIONS OF THE WORK AREA INCLUDING ANY EXTERNAL OR INTERNAL FEATURES THAT MAY BE POTENTIALLY DAMAGED BY THE WORK. REPORT SUPPORTED BY PICTURES IS TO BE SUBMITTED IN TRIPPLICATE. ANY DAMAGE NOT DOCUMENTED PREVIOUSLY IS TO BE MADE GOOD BY THE CONTRACTOR.
- CONTRACTOR PARKING: PARKING SPACE IS AVAILABLE OUTSIDE THE ENTRANCE GATE. CONTRACTOR TO CONFIRM WITH DEPARTMENTAL REPRESENTATIVE.
- FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.



1
A-000 SITE PLAN
1:400

| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| 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 |
| C | drawing no. - where detailed dessin no. - où détaillé |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
**COVER SHEET &
SITE PLAN**

drawn by
dessiné par
GB, LN

designed by
conc par
GB, LN, CH

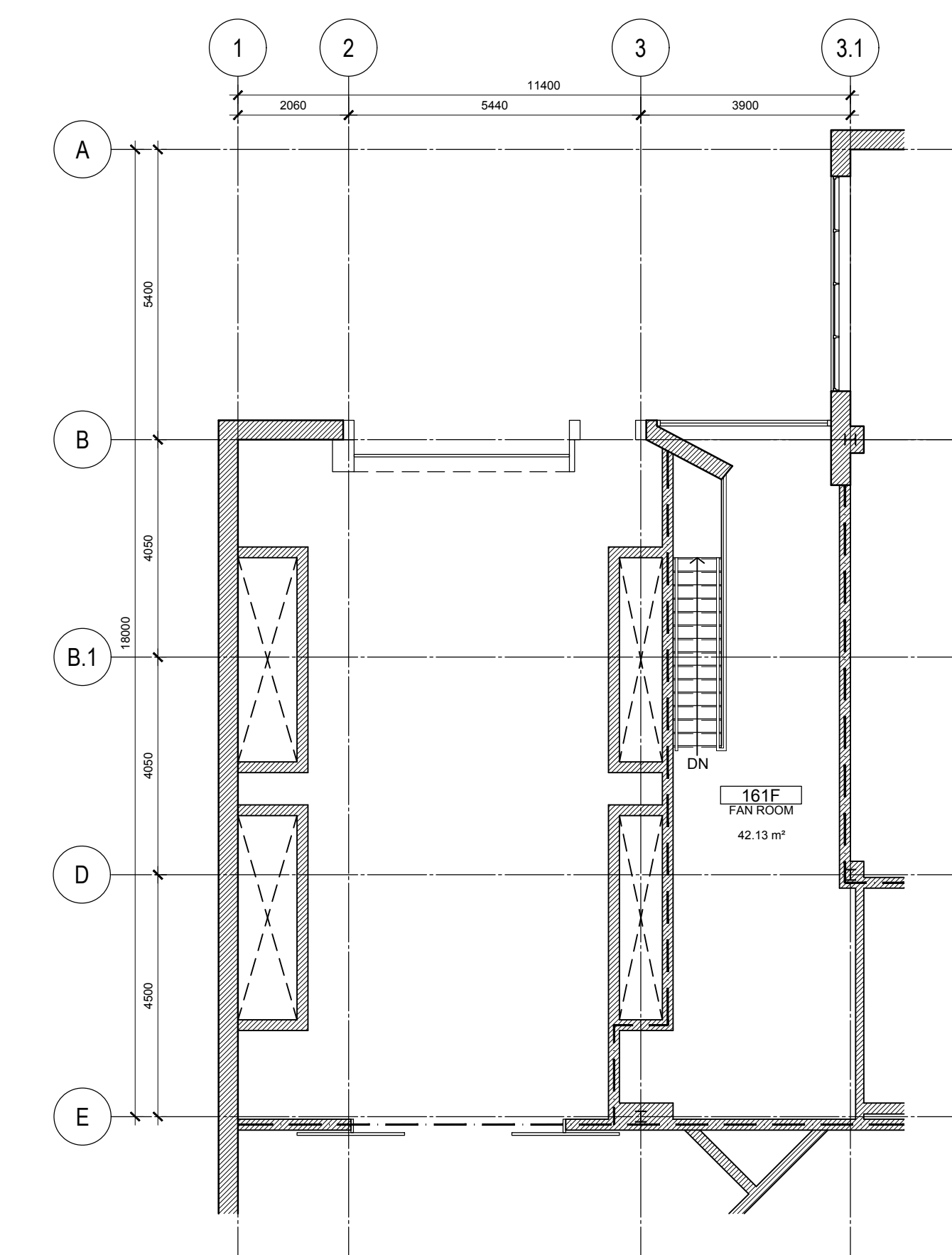
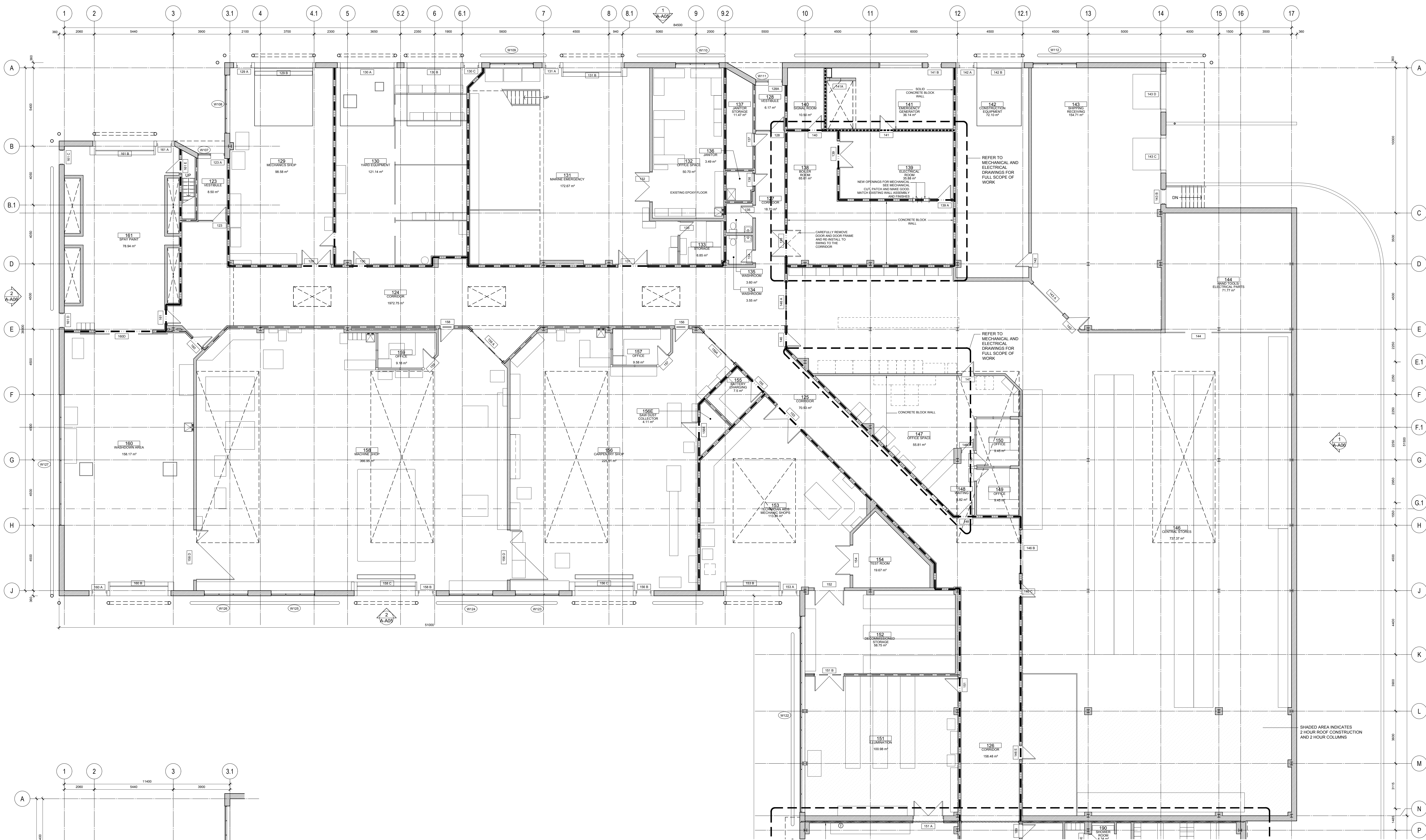
approved by
approuvé par
CH

bid
offre
J.LEON project manager
administrateur de projets

project date
date du projet
2016-01-26

project no.
no. du projet
R.064667.004

drawing no.
dessiné no.
A-000



| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| 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. 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
PARRY SOUND ONTARIO

28 WAUBECK STREET

**CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING**

drawing title
titre du dessin
**BUILDING A - MAIN BUILDING
SHOP WING - FLOOR PLAN**

drawn by
dessiné par
GB, LN

designed by
conc par
GB, LN, CH

approved by
approuvé par
CH

bid
offre
J.LEON

project date
date du projet
2016-01-26

project no.
no. du projet
R.064667.004

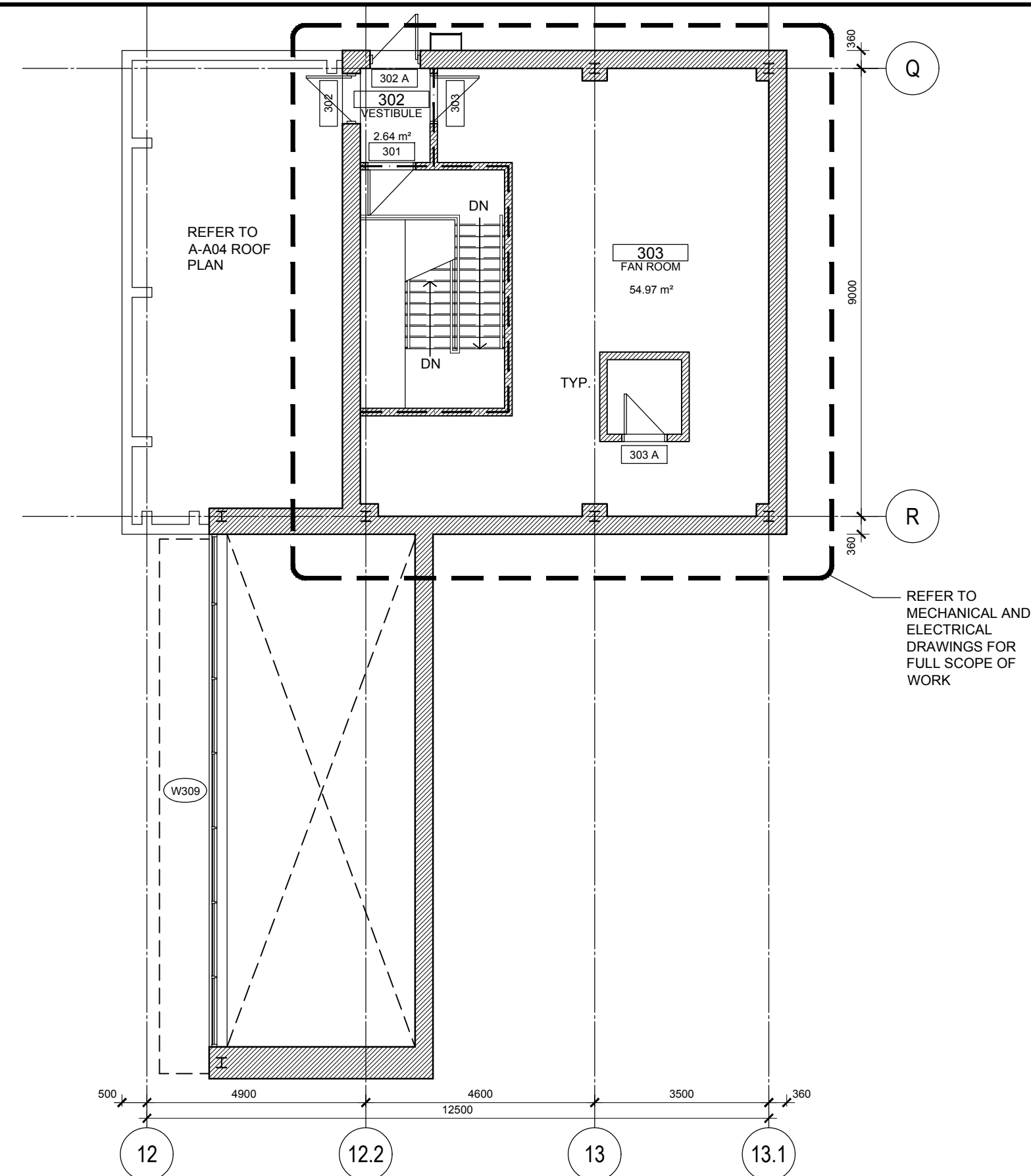
drawing no.
dessiné no.
A-A01

GENERAL NOTES

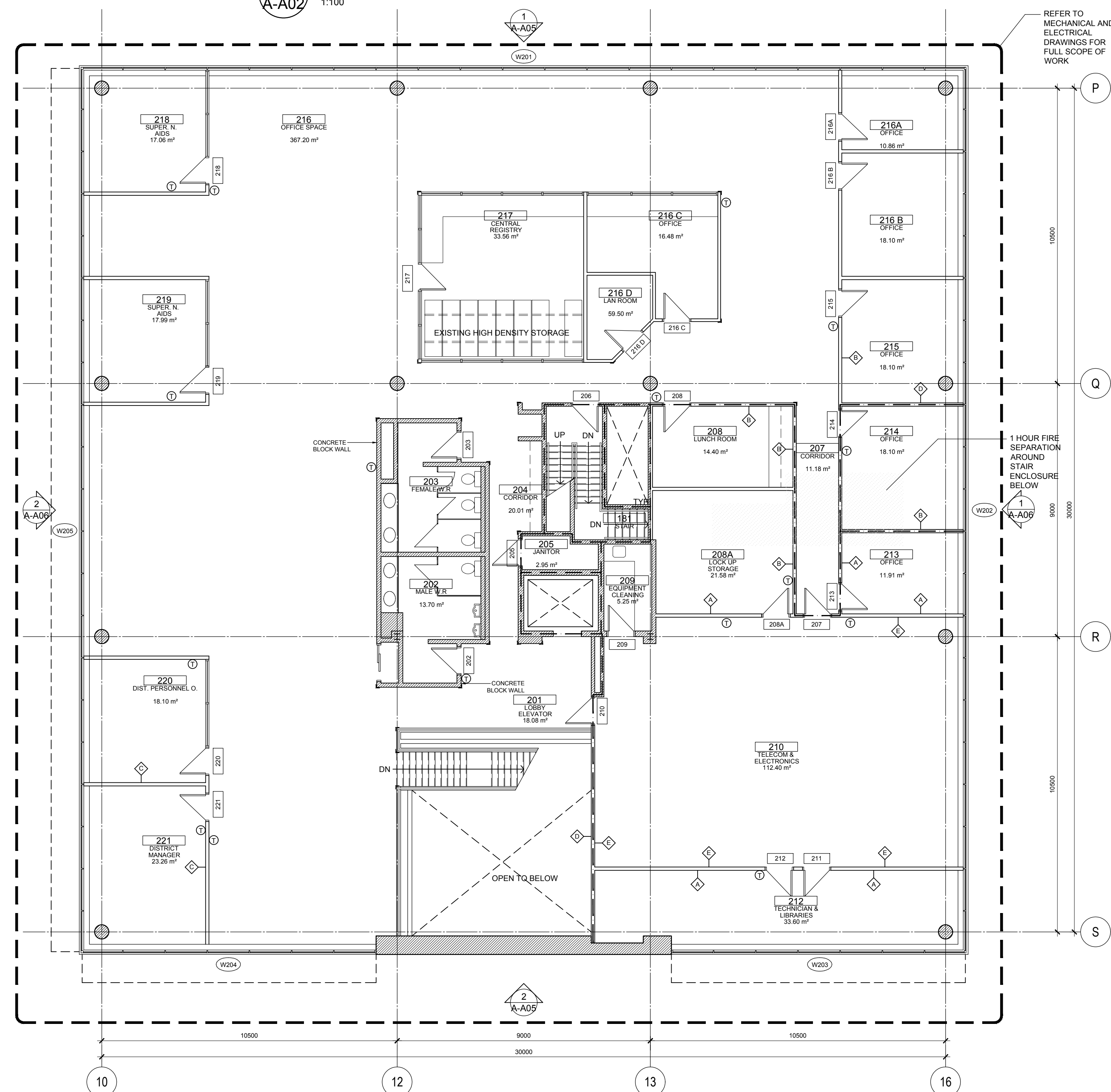
- 1) FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
- 2) ENSURE PROTECTION OF EXISTING FINISHES AND FURNITURE THAT IS TO REMAIN FROM DAMAGE DURING WORK, INCLUDING BUT NOT LIMITED TO GUARD RAILS, DOORS & HARDWARE, LOCKERS, ALARM BELL, SIGNAGE & ANY SURROUNDING EQUIPMENTS, VEHICLES, GROUND COVERS AND ALL ADJACENT FINISHES AND FURNITURE.
- 3) **FIRE PROTECTION DURING CONSTRUCTION:** THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUITY OF FIRE ALARM PROTECTION SYSTEMS DURING AND BETWEEN CONSTRUCTION SHIFTS.
- 4) TEMPORARILY PROTECT EXISTING FIRE ALARM DEVICES AND SPRINKLER HEADS DURING CONSTRUCTION. PROTECTION TO BE REMOVED AT THE END OF THE NIGHT SHIFT TO MAINTAIN EXISTING FIRE ALARM COVERAGE DURING THE DAY.
- 5) ALLOW FOR MINOR ADJUSTMENTS TO THE LOCATION OF CEILING REMOVAL, CEILING FIXTURES, DEVICES AND SPRINKLER HEADS TO ACCOMMODATE SITE CONDITIONS.
- 6) PROVIDE MINIMUM OF 38 MM CLEARANCE ABOVE MAIN CARRYING T-BARS AND UNDERSIDE OF NEW MECHANICAL EQUIPMENT AND DISTRIBUTION TO PERMIT CEILING TILE INSTALLATION.
- 7) PROVIDE MINIMUM OF 13 MM CLEAR BELOW UNDERSIDE OF EXISTING ROOF STRUCTURE AND TOP OF NEW MECHANICAL EQUIPMENT AND DISTRIBUTION.
- 8) VERIFY DIMENSIONS ON SITE.
- 9) THE ARCHIVAL DRAWINGS ARE PROVIDED AS SUPPLEMENTARY INFORMATION REGARDING THE BUILDING DESIGN AT THE TIME OF CONSTRUCTION.
- 10) REVIEW SITE CONDITIONS, EXTENT OF MAKING GOOD AND DISRUPTION TO ADJACENT FINISHES DURING TENDER SITE VISIT, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ALL DISCREPANCIES IN WRITING.
- 11) BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING FINISHES AND ADJACENT MATERIALS DURING REMOVAL, REPAIR AND CONSTRUCTION.
- 12) REFER TO MECHANICAL FOR NEW THERMOSTATS AND REWIRING THE CONNECTIONS. ALL NEW WIRING TO BE CONCEALED AND WITH MINIMUM DISRUPTION TO FINISHES. MATCH EXISTING FINISHES AND MAKE GOOD UPON COMPLETION OF ELECTRICAL AND MECHANICAL WORKS. REFER TO WALL TYPE FOR EXISTING WALL ASSEMBLY TO MAKE GOOD AND MATCH EXISTING.

LEGEND

| | | | |
|--|--|--|--|
| | EXISTING BLOCK WALL - REFER TO ARCHIVAL DRAWINGS FOR WALL CONSTRUCTION | | EXISTING DOOR |
| | EXISTING METAL STUD PARTITIONS | | DOOR NUMBER |
| | 1 HOUR FIRE SEPARATION | | WINDOW NUMBER |
| | 2 HOUR FIRE SEPARATION | | NEW THERMOSTATS |
| | 2 HOUR FIRE SEPARATION | | SEE MECHANICAL AND GENERAL NOTES |
| | 2 HOUR FIRE WALL | | EXISTING MILLWORK, |
| | 2 HOUR ROOF CONSTRUCTION AND 2 HOUR COLUMNS | | EQUIPMENT OR FURNITURE |
| | 1 HOUR FIRE SEPARATION | | AREA OF SCOPE OF WORK |
| | EXISTING EQUIPMENT/FURNITURE TO BE PROTECTED OR MOVED OUT OF CONSTRUCTION AREA DURING WORK AND REINSTATED. DISCONNECT ELECTRICAL, DATA, ETC., AND RECONNECT AFTER THE JOB IS DONE. | | REFER TO MECHANICAL, ELECTRICAL AND STRUCTURAL FOR FULL SCOPE OF WORK. |



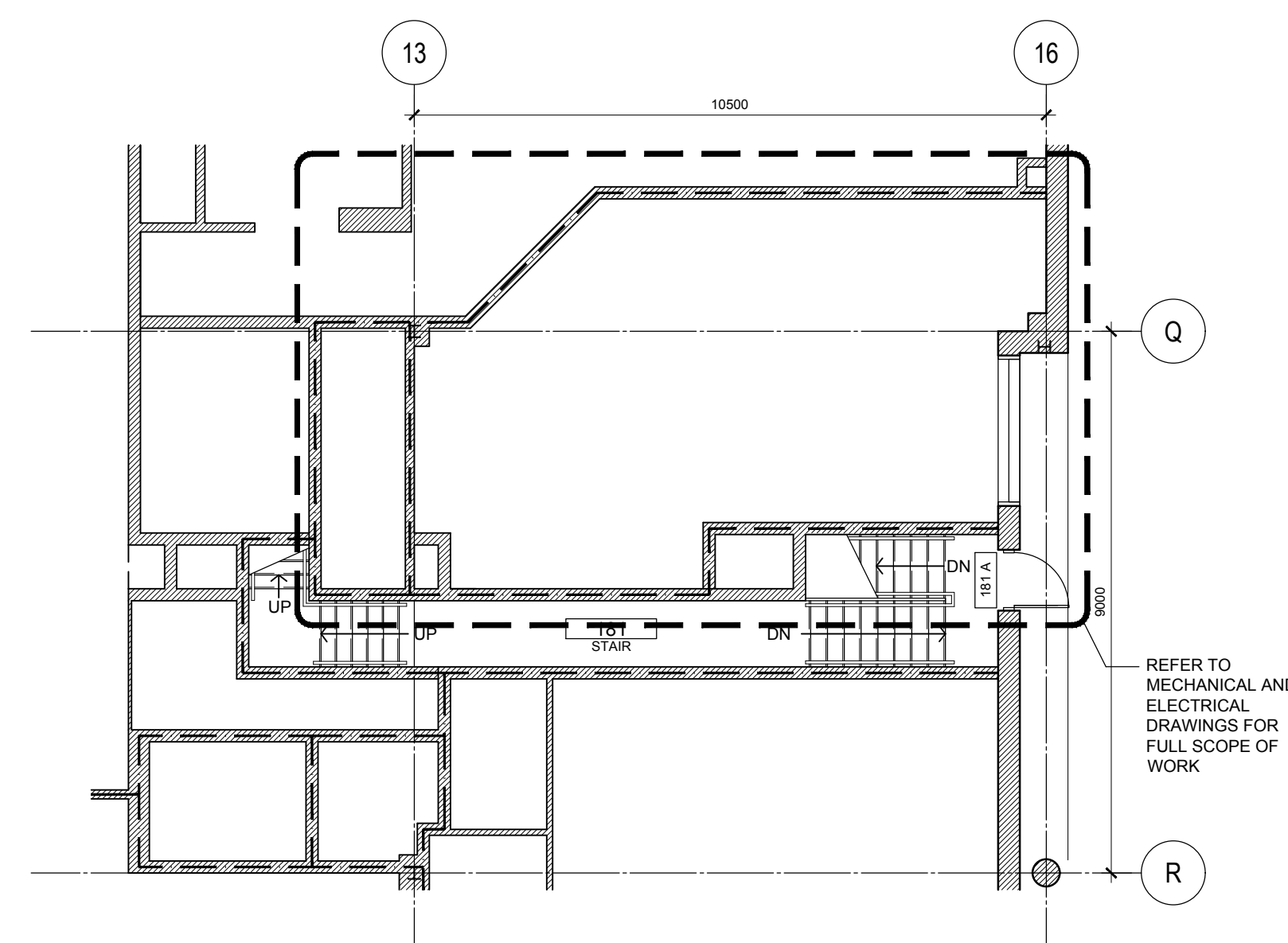
4 PENTHOUSE PLAN
A-A02 1:100



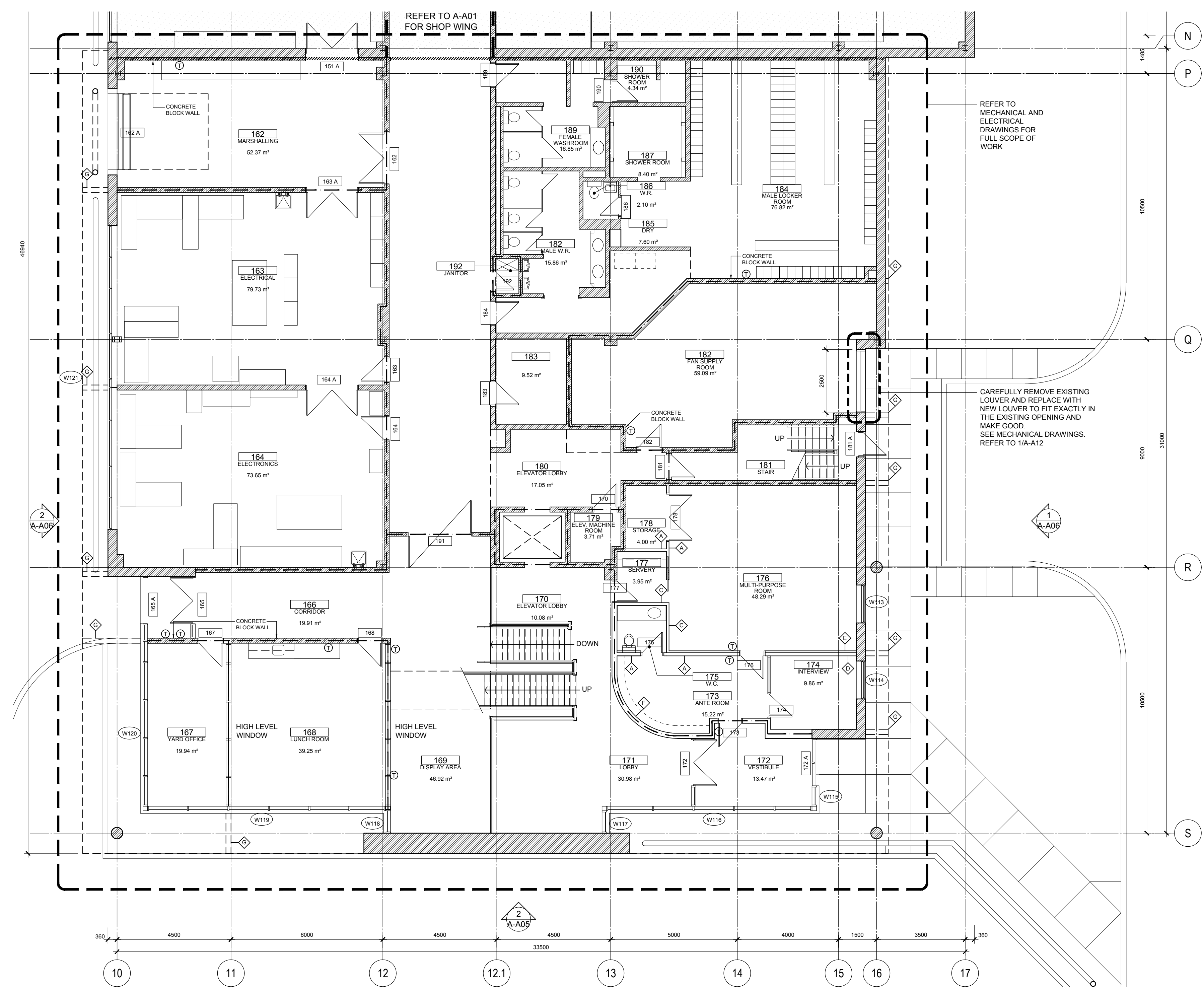
3 SECOND FLOOR PLAN
A-A02 1:100

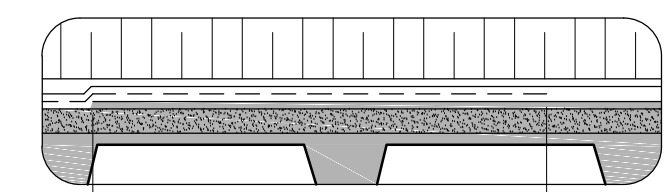
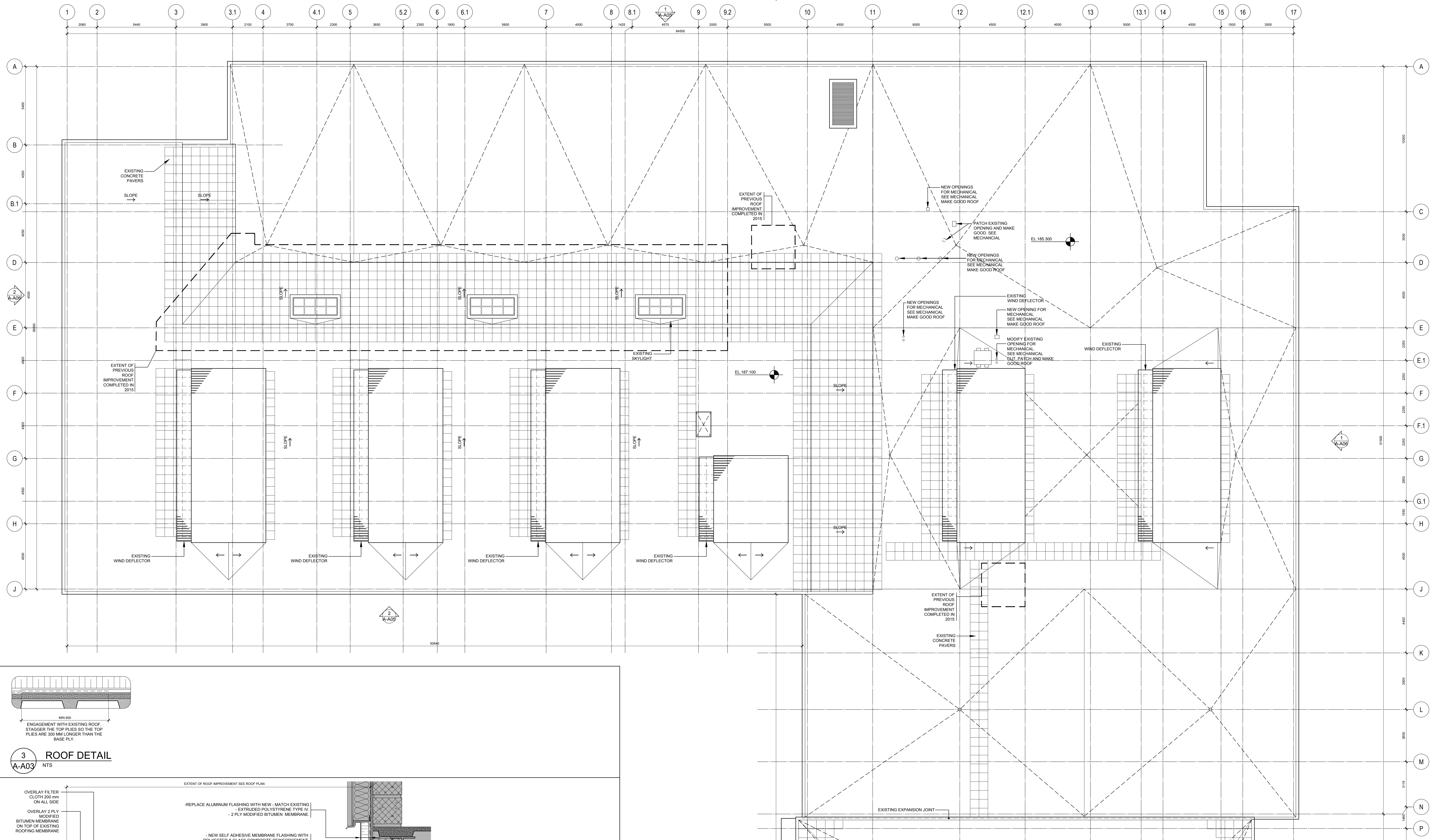
| EXISTING METAL STUD PARTITIONS | | | | | |
|--------------------------------|--|--|--------------|--|---|
| <div>A</div> | | TYPICAL FOR ALL PARTITIONS UNLESS NOTED OTHERWISE 92 METAL STUDS WITH 12.7 GYPSUM BOARD ON EACH SIDE | <div>E</div> | | WALL FURRING 92 METAL STUDS WITH 1 LAYER OF 12.7 GYPSUM BOARD ON 1 SIDE |
| <div>B</div> | | 1 HR RATED PARTITION 92 METAL STUDS WITH 1 LAYER 12.7 FIRE RATED GYPSUM BOARD (TYPE X) EACH SIDE | <div>F</div> | | 1 HR RATED METAL SIDING 92 METAL STUDS 19 FURRING (2X) BOTH SIDES 19 METAL LATH AND PLASTER BOTH SIDES METAL SIDING ON GIRTS ON ONE SIDE |
| <div>C</div> | | SOUND RESIST. PARTITION 92 METAL STUDS WITH LAYER OF INSULATION 2 LAYERS OF 12.7 GYPSUM BOARD ON EACH SIDE | <div>G</div> | | 1 HR METAL STUD CLOSURE AT END OF INTERSECTING WALL (IN SPLIT SPACE) 64 METAL STUDS WITH 12.7 GYPSUM BOARD ON EACH SIDE 38 LAYER OF INSULATION (U.L.C. W448) |
| <div>D</div> | | 1 HR RATED SOUND RESIST. PARTITION 92 METAL STUDS WITH LAYER OF INSULATION 151 LATER 12.7 FIRE RATED GYPSUM BOARD (TYPE X) 2ND LAYER 12.7 GYPSUM BOARD ON EACH SIDE | | | |

- GENERAL NOTES**
- 1) FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
 - 2) ENSURE PROTECTION OF EXISTING FINISHES AND FURNITURE THAT IS TO REMAIN FROM DAMAGE DURING WORK, INCLUDING BUT NOT LIMITED TO GUARD RAILS, DOORS & HARDWARE, LOUVERS, ALARM BELL, SIGNAGE & ANY SURROUNDING EQUIPMENTS, VEHICLES, GROUND COVERS AND ALL ADJACENT FINISHES AND FURNITURE.
 - 3) **FIRE PROTECTION DURING CONSTRUCTION:** THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUITY OF FIRE ALARM PROTECTION SYSTEMS DURING AND BETWEEN CONSTRUCTION SHIFTS.
 - 4) TEMPORARILY PROTECT EXISTING FIRE ALARM DEVICES AND SPRINKLER HEADS DURING CONSTRUCTION. PROTECTION TO BE REMOVED AT THE END OF THE NIGHT SHIFT TO MAINTAIN EXISTING FIRE ALARM COVERAGE DURING THE DAY.
 - 5) ALLOW FOR MINOR ADJUSTMENTS TO THE LOCATION OF CEILING REMOVAL, CEILING FIXTURES, DEVICES AND SPRINKLER HEADS TO ACCOMMODATE SITE CONDITIONS.
 - 6) PROVIDE MINIMUM OF 38 MM CLEARANCE ABOVE MAIN CARRYING T-BARS AND UNDERSIDE OF NEW MECHANICAL EQUIPMENT AND DISTRIBUTION TO PERMIT CEILING TILE INSTALLATION.
 - 7) PROVIDE MINIMUM OF 13 MM CLEAR BELOW UNDERSIDE OF EXISTING ROOF STRUCTURE AND TOP OF NEW MECHANICAL EQUIPMENT AND DISTRIBUTION.
 - 8) VERIFY DIMENSIONS ON SITE.
 - 9) THE ARCHIVAL DRAWINGS ARE PROVIDED AS SUPPLEMENTARY INFORMATION REGARDING THE BUILDING DESIGN AT THE TIME OF CONSTRUCTION.
 - 10) REVIEW SITE CONDITIONS, EXTENT OF MAKING GOOD AND DISRUPTION TO ADJACENT FINISHES DURING TENDER SITE VISIT, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ALL DISCREPANCIES IN WRITING.
 - 11) BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING FINISHES AND ADJACENT MATERIALS DURING REMOVAL, REPAIR AND CONSTRUCTION.
 - 12) REFER TO MECHANICAL FOR NEW THERMOSTATS AND REWIRING THE CONNECTIONS. ALL NEW WIRING TO BE CONCEALED AND WITH MINIMUM DISRUPTION TO FINISHES. MATCH EXISTING FINISHES AND MAKE GOOD UPON COMPLETION OF ELECTRICAL AND MECHANICAL WORKS. REFER TO WALL TYPE FOR EXISTING WALL ASSEMBLY TO MAKE GOOD AND MATCH EXISTING.



2 UPPER PART OF STAIR 181
A-A02 1:100



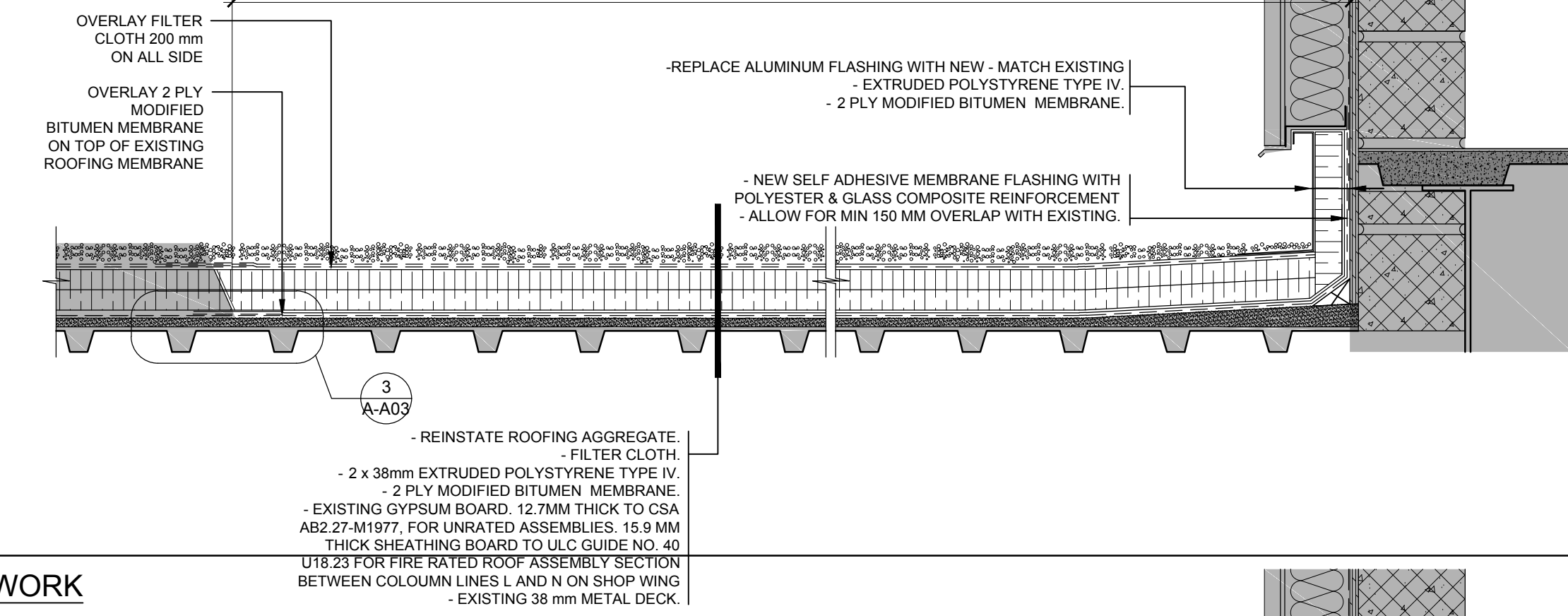


MIN 600
ENGAGEMENT WITH EXISTING ROOF
STAGGER THE TOP PLYS SO THE TOP
PLYS ARE 300 MM LONGER THAN THE
BASE PLY

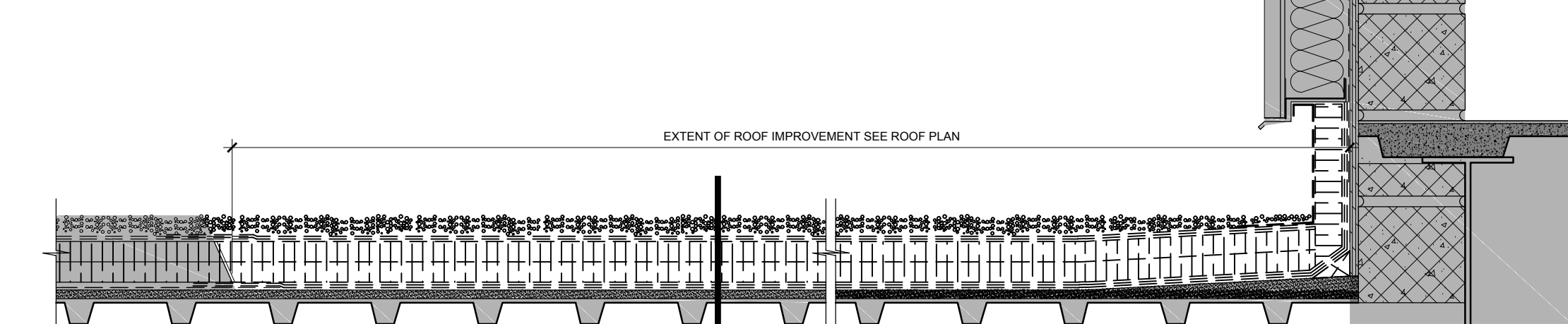
3 ROOF DETAIL

A-A03

NTS



NEW WORK



SELECTIVE DEMOLITION

2 ROOF DETAIL

A-A03

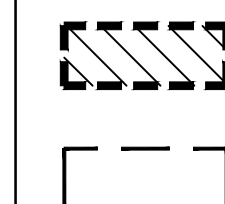
1:100

1 PARTIAL ROOF PLAN

A-A03

1:100

ROOF IMPROVEMENT LEGEND



EXTENT OF NEW ROOF IMPROVEMENT.
REFER TO ROOF DRAWING AND DETAILS FOR SCOPE OF WORK.

EXTENT OF PREVIOUS ROOF IMPROVEMENT COMPLETED IN 2015

GENERAL NOTES

- 1) FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
- 2) ENSURE PROTECTION OF EXISTING FINISHES THAT IS TO REMAIN FROM DAMAGE DURING WORK.
- 3) VERIFY DIMENSIONS ON SITE.
- 4) THE ARCHIVAL DRAWINGS ARE PROVIDED AS SUPPLEMENTARY INFORMATION REGARDING THE BUILDING DESIGN AT THE TIME OF CONSTRUCTION.
- 5) REVIEW SITE CONDITIONS, EXTENT OF MAKING GOOD AND DISRUPTION TO ADJACENT FINISHES DURING TENDER SITE VISIT, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ALL DISCREPANCIES IN WRITING.
- 6) BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING FINISHES AND ADJACENT MATERIALS DURING REMOVAL, REPAIR AND CONSTRUCTION.
- 7) MIN 300 MM OVERLAP IS REQUIRED WITH PREVIOUSLY COMPLETED ROOF IMPROVEMENT.

| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66 % PROGRESS REVIEW | 2014.06.14 |
| 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 |
| C | drawing no. - where detailed dessin no. - où détaillé |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBECK STREET
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
**BUILDING A - MAIN BUILDING
SHOP WING - ROOF PLAN**

drawn by
dessiné par
GB, LN

designed by
conc par
GB, LN, CH

approved by
approuvé par
CH

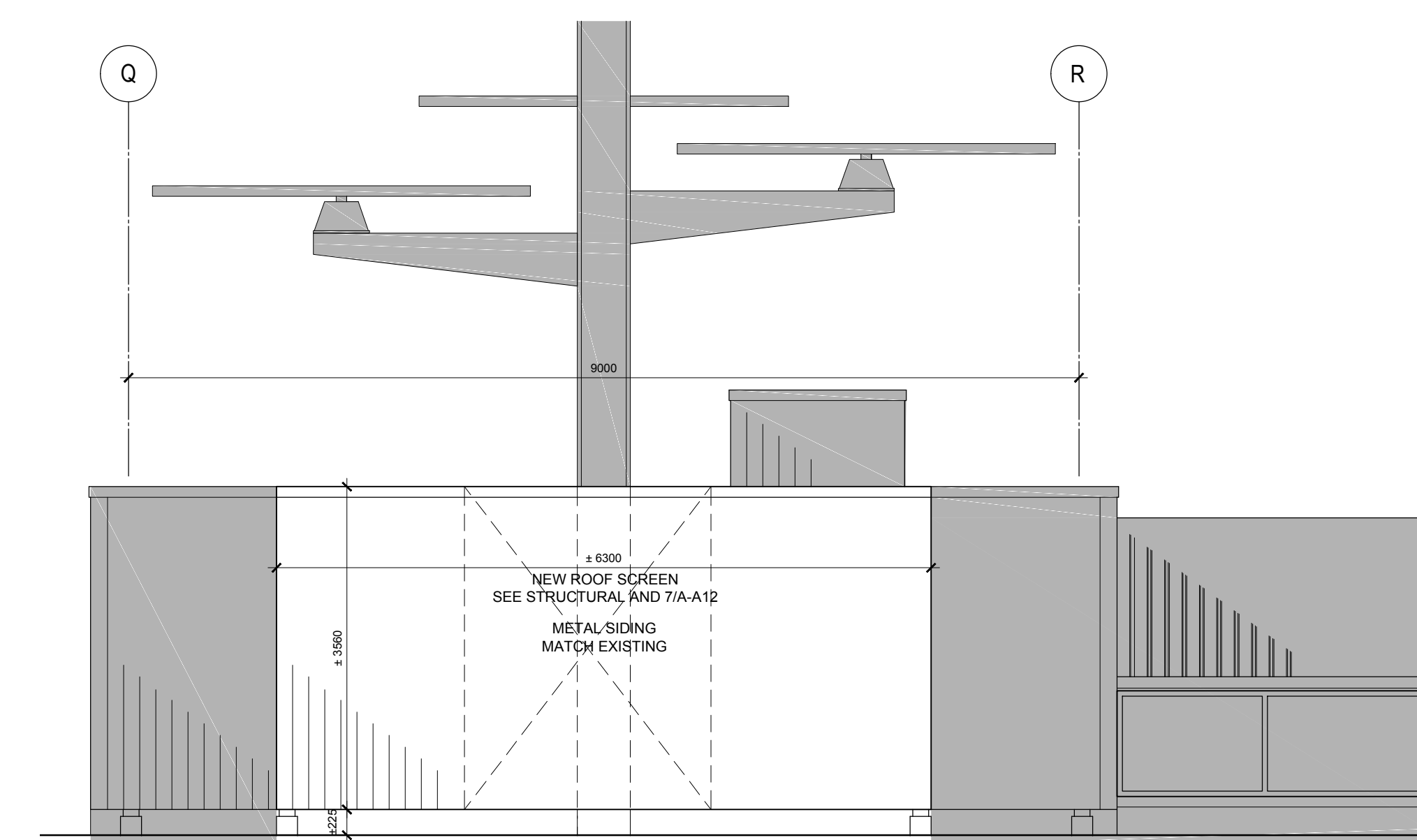
bid
offre
J.LEON

project manager
gestionnaire de projets
J.LEON

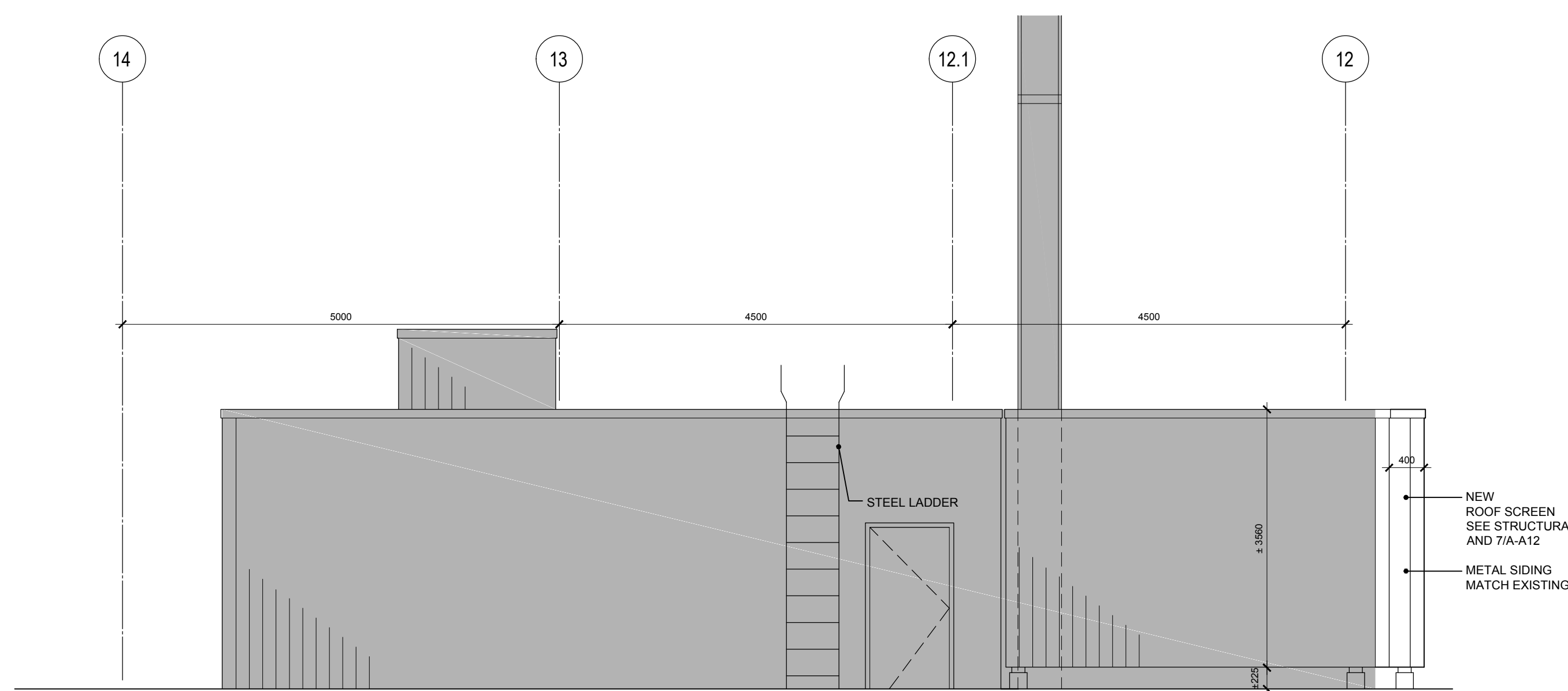
project date
date du projet
2016-01-26

project no.
no. du projet
R.064667.004

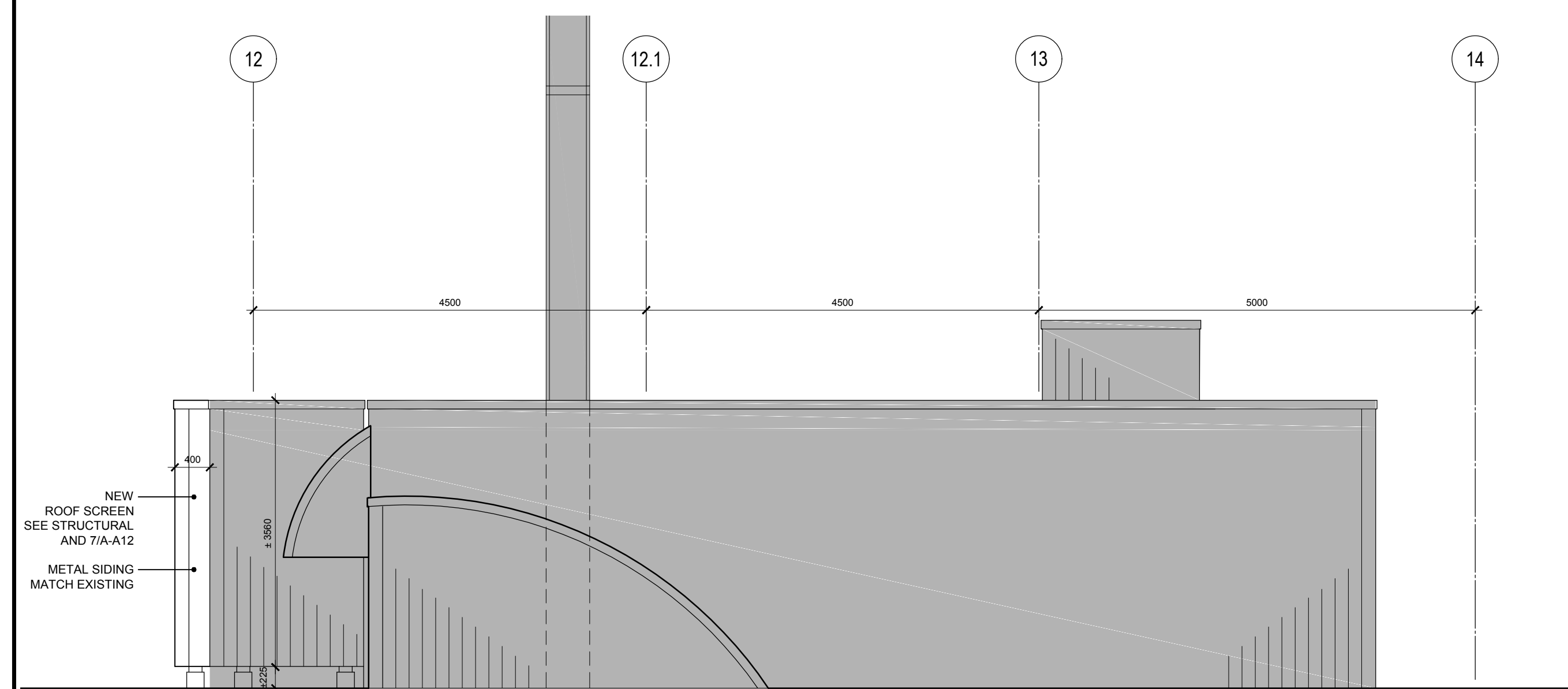
drawing no.
dessiné no.
A-A03



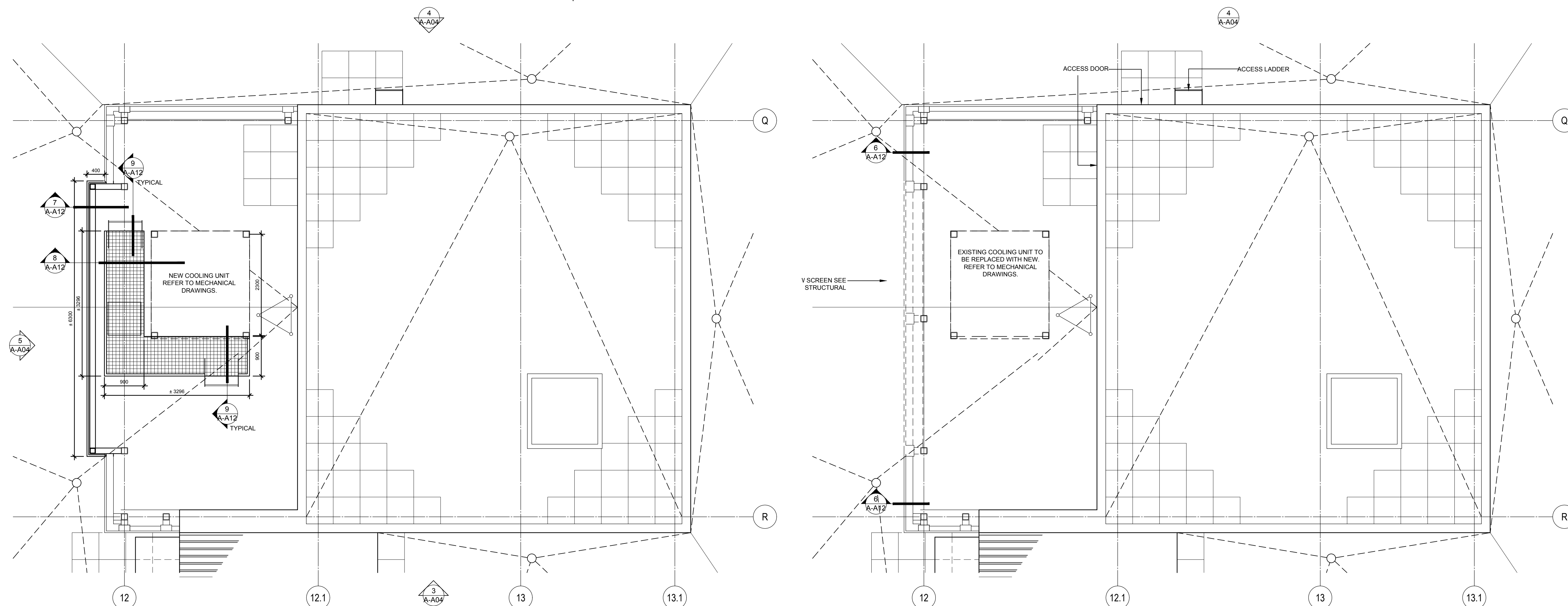
5 NEW ROOF SCREEN - SOUTH ELEVATION
A-A04 1:100



4 NEW ROOF SCREEN - WEST ELEVATION
A-A04 1:100

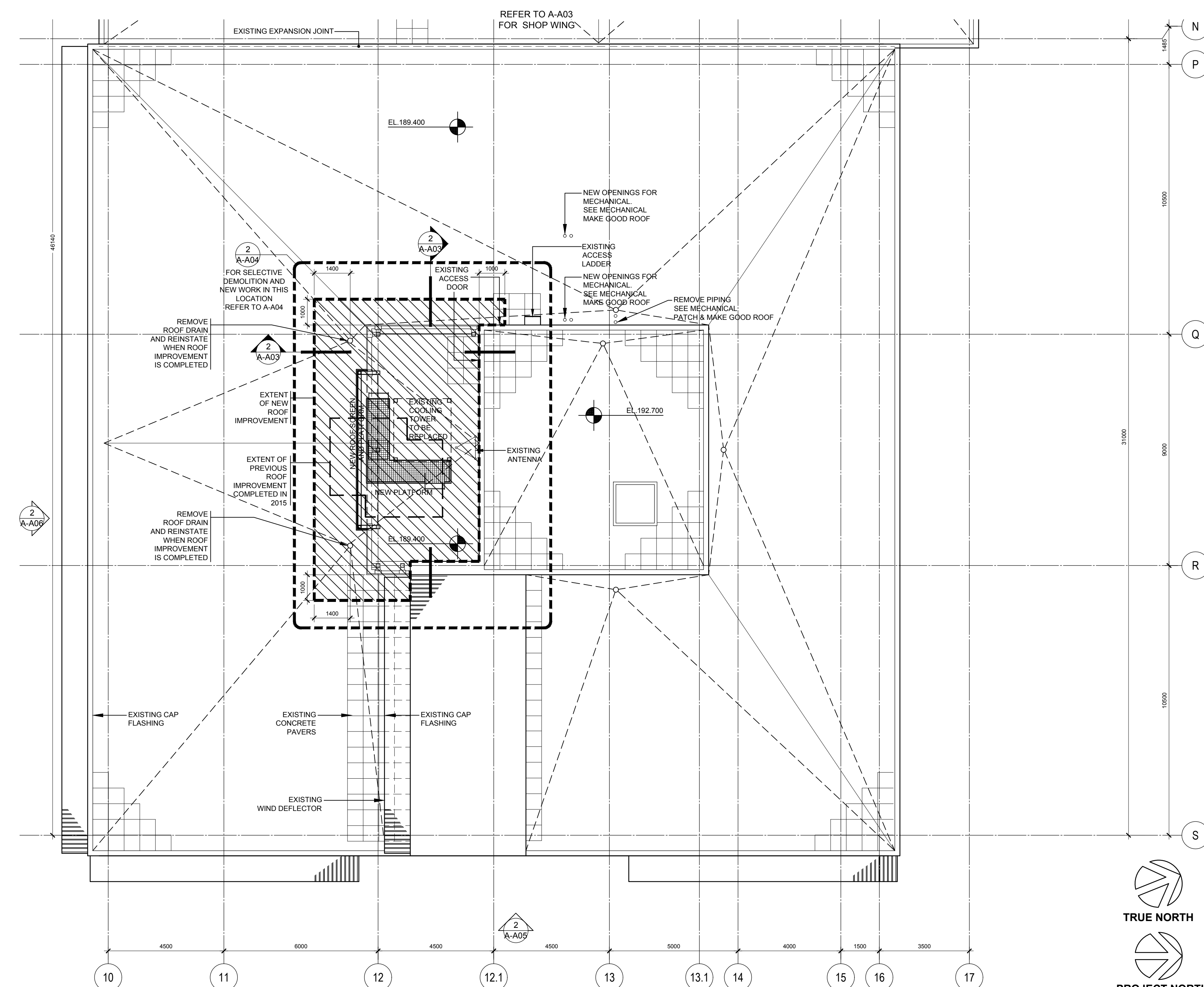


3 NEW ROOF SCREEN - EAST ELEVATION
A-A04 1:100



2 NEW ROOF SCREEN PLAN
A-A04 1:100

SELECTIVE DEMOLITION



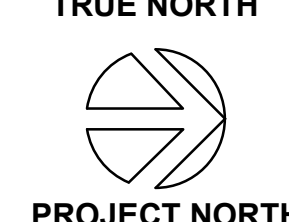
1 ROOF PLAN
A-A04 1:100

GENERAL NOTES

- 1) FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
- 2) ENSURE PROTECTION OF EXISTING FINISHES THAT IS TO REMAIN FROM DAMAGE DURING WORK.
- 3) VERIFY DIMENSIONS ON SITE.
- 4) THE ARCHIVAL DRAWINGS ARE PROVIDED AS SUPPLEMENTARY INFORMATION REGARDING THE BUILDING DESIGN AT THE TIME OF CONSTRUCTION.
- 5) REVIEW SITE CONDITIONS, EXTENT OF MAKING GOOD AND DISRUPTION TO ADJACENT FINISHES DURING TENDER SITE VISIT, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ALL DISCREPANCIES IN WRITING.
- 6) BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING FINISHES AND ADJACENT MATERIALS DURING REMOVAL, REPAIR AND CONSTRUCTION.
- 7) MIN 300 MM OVERLAP IS REQUIRED WITH PREVIOUSLY COMPLETED ROOF IMPROVEMENT.

ROOF IMPROVEMENT LEGEND

- EXTENT OF NEW ROOF IMPROVEMENT. REFER TO ROOF DRAWING AND DETAILS FOR SCOPE OF WORK.
- EXTENT OF PREVIOUS ROOF IMPROVEMENT COMPLETED IN 2015



| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| 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. 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
PARRY SOUND ONTARIO

28 WAUBECK STREET

CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

Building title
Titre du projet
**BUILDING A - MAIN BUILDING
ADMIN. WING - ROOF PLAN**

drawn by
dessiné par GB, LN

designed by
conçue par GB, LN, CH

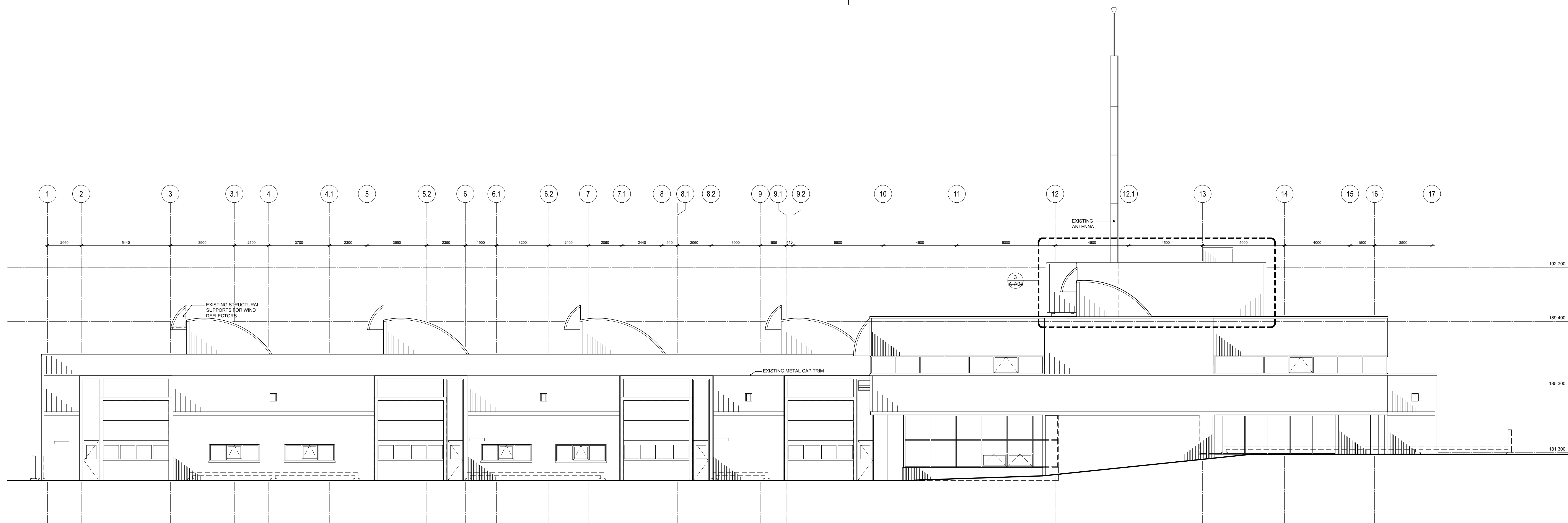
approved by
approuvé par CH

bid
offre J.LEON project manager
administrateur de projets

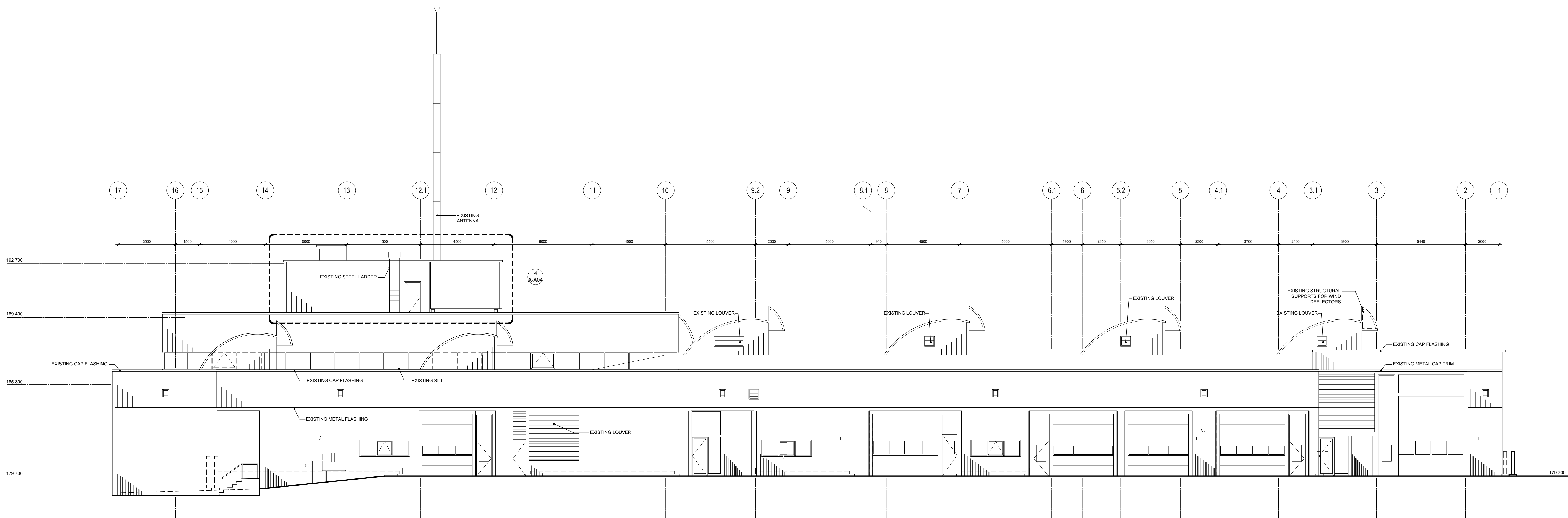
project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

drawing no.
dessiné no. A-A04



2 EAST ELEVATION
A-A05 1:100



1 WEST ELEVATION
A-A05 1:100

GENERAL NOTES

- 1) FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
- 2) ENSURE PROTECTION OF EXISTING FINISHES THAT IS TO REMAIN FROM DAMAGE DURING WORK.
- 3) VERIFY DIMENSIONS ON SITE.
- 4) THE ARCHIVAL DRAWINGS ARE PROVIDED AS SUPPLEMENTARY INFORMATION REGARDING THE BUILDING DESIGN AT THE TIME OF CONSTRUCTION.
- 5) REVIEW SITE CONDITIONS, EXTENT OF MAKING GOOD AND DISRUPTION TO ADJACENT FINISHES DURING TENDER SITE VISIT, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ALL DISCREPANCIES IN WRITING.
- 6) BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING FINISHES AND ADJACENT MATERIALS DURING REMOVAL, REPAIR AND CONSTRUCTION.

| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66 % PROGRESS REVIEW | 2014.06.14 |
| 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. 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
PARRY SOUND ONTARIO
28 WAUBECK STREET
**CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING**

drawing title
titre du dessin
**BUILDING A - MAIN BUILDING
ELEVATIONS**

drawn by
dessiné par GB, LN

designed by
conçu par GB, LN, CH

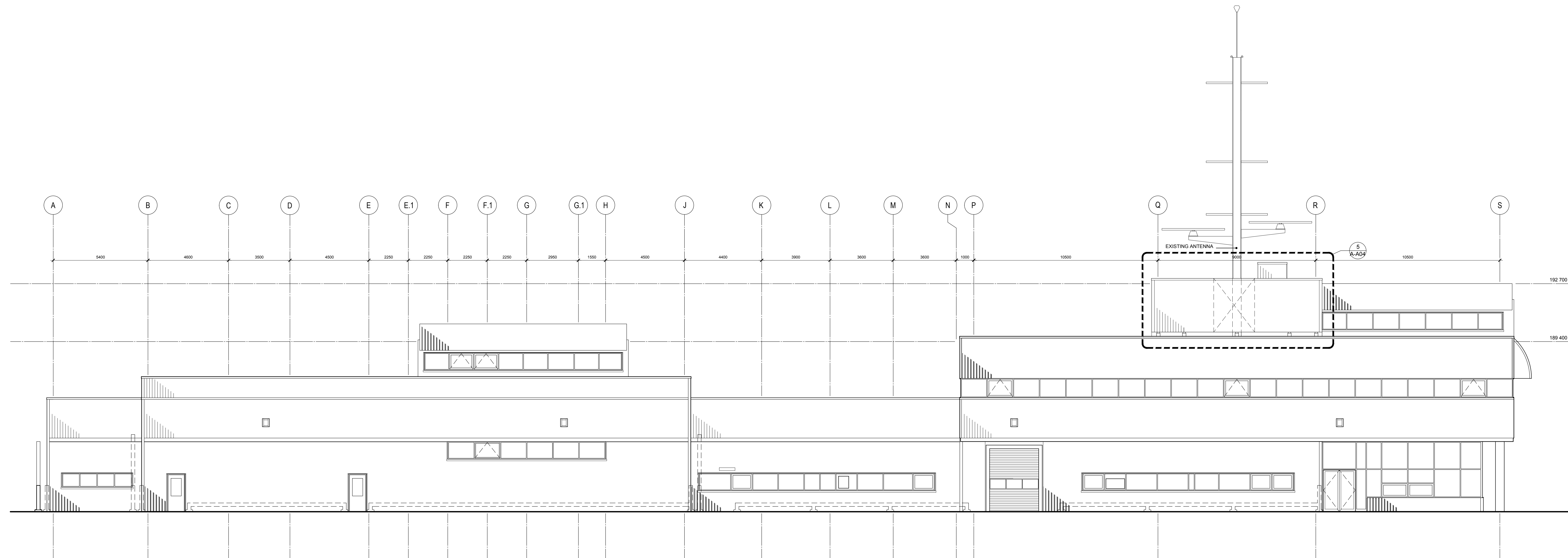
approved by
approuvé par CH

bid
offre J.LEON project manager
administrateur de projets

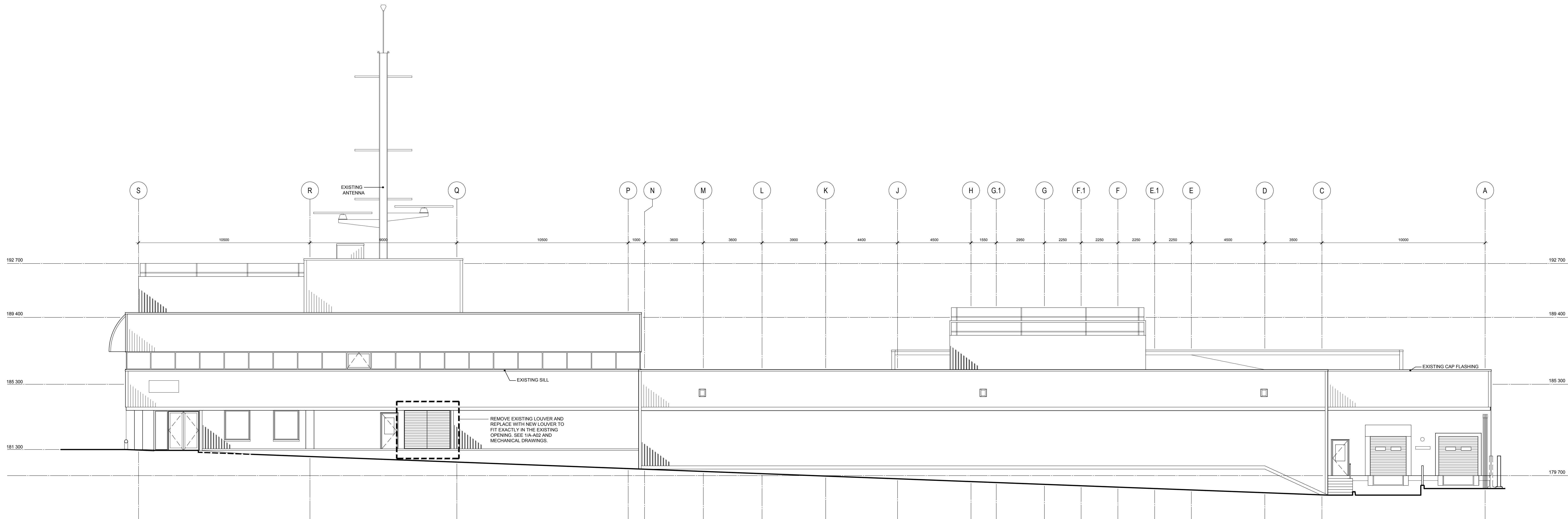
project date
date du projet 2016-01-26

project no.
no. du projet
R.064667.004

drawing no.
dessiné no.
A-A05



2 SOUTH ELEVATION
A-A06 1:100



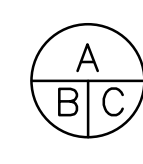
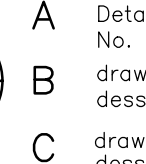
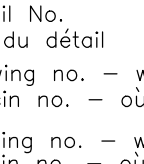
1 NORTH ELEVATION
A-A06 1:100

GENERAL NOTES

- 1) FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
- 2) ENSURE PROTECTION OF EXISTING FINISHES THAT IS TO REMAIN FROM DAMAGE DURING WORK.
- 3) VERIFY DIMENSIONS ON SITE.
- 4) THE ARCHIVAL DRAWINGS ARE PROVIDED AS SUPPLEMENTARY INFORMATION REGARDING THE BUILDING DESIGN AT THE TIME OF CONSTRUCTION.
- 5) REVIEW SITE CONDITIONS, EXTENT OF MAKING GOOD AND DISRUPTION TO ADJACENT FINISHES DURING TENDER SITE VISIT, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ALL DISCREPANCIES IN WRITING.
- 6) BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING FINISHES AND ADJACENT MATERIALS DURING REMOVAL, REPAIR AND CONSTRUCTION.

| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66 % PROGRESS REVIEW | 2014.06.14 |
| 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. 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
PARRY SOUND ONTARIO
28 WAUBECK STREET

**CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING**

drawing title
titre du dessin
**BUILDING A - MAIN BUILDING
ELEVATIONS**

drawn by
dessiné par
GB, LN

designed by
conc par
GB, LN, CH

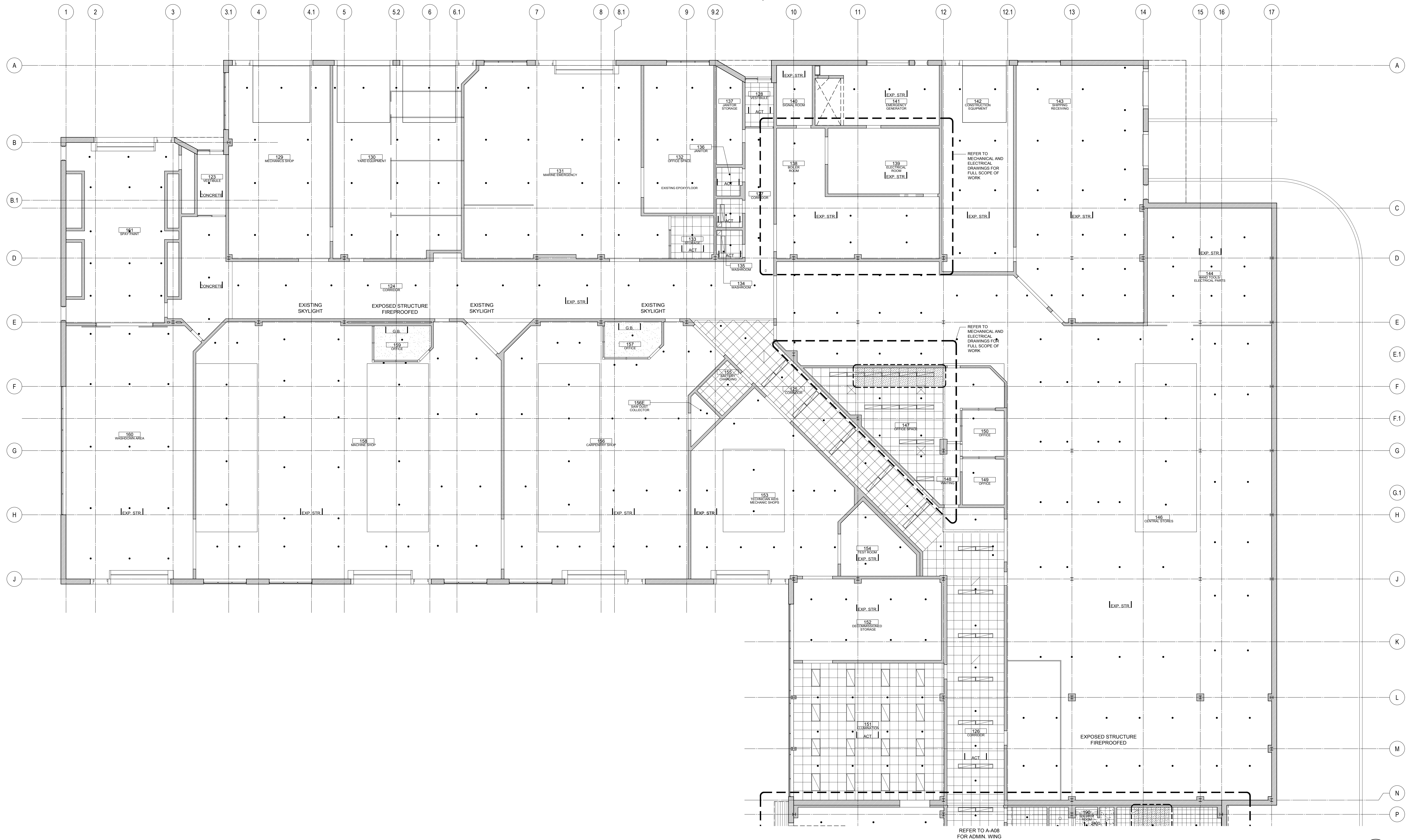
approved by
approuvé par
CH

bid
offre
J.LEON project manager
administrateur de projets

project date
date du projet
2016-01-26

project no.
no. du projet
R.064667.004

drawing no.
dessiné no.
A-A06



1
A-A07
GROUND FLOOR REFLECTED CEILING PLAN
1:100

GENERAL NOTES

- 1) FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
- 2) ENSURE PROTECTION OF EXISTING FINISHES AND FURNITURE THAT IS TO REMAIN FROM DAMAGE DURING WORK, INCLUDING BUT NOT LIMITED TO GUARD RAILS, DOORS & HARDWARE, LOUVERS, ALARM BELL, SIGNAGE & ANY SURROUNDING EQUIPMENTS, VEHICLES, GROUND COVERS AND ALL ADJACENT FINISHES AND FURNITURE.
- 3) **FIRE PROTECTION DURING CONSTRUCTION:** THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUITY OF FIRE ALARM PROTECTION SYSTEMS DURING AND BETWEEN CONSTRUCTION SHIFTS.
- 4) TEMPORARILY PROTECT EXISTING FIRE ALARM DEVICES AND SPRINKLER HEADS DURING CONSTRUCTION, PROTECTION TO BE REMOVED AT THE END OF THE NIGHT SHIFT TO MAINTAIN EXISTING FIRE ALARM COVERAGE DURING THE DAY.
- 5) ALLOW FOR MINOR ADJUSTMENTS TO THE LOCATION OF CEILING REMOVAL, CEILING FIXTURES, DEVICES AND SPRINKLER HEADS TO ACCOMMODATE SITE CONDITIONS.
- 6) PROVIDE MINIMUM OF 38 MM CLEARANCE ABOVE MAIN CARRYING T-BARS AND UNDERSIDE OF NEW MECHANICAL EQUIPMENT AND DISTRIBUTION TO PERMIT CEILING TILE INSTALLATION.
- 7) PROVIDE MINIMUM OF 13 MM CLEAR BELOW UNDERSIDE OF EXISTING ROOF STRUCTURE AND TOP OF NEW MECHANICAL EQUIPMENT AND DISTRIBUTION.
- 8) VERIFY DIMENSIONS ON SITE.
- 9) THE ARCHIVAL DRAWINGS ARE PROVIDED AS SUPPLEMENTARY INFORMATION REGARDING THE BUILDING DESIGN AT THE TIME OF CONSTRUCTION.
- 10) REVIEW SITE CONDITIONS, EXTENT OF MAKING GOOD AND DISRUPTION TO ADJACENT FINISHES DURING TENDER SITE VISIT, AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ALL DISCREPANCIES IN WRITING.
- 11) BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING FINISHES AND ADJACENT MATERIALS DURING REMOVAL, REPAIR AND CONSTRUCTION.
- 12) REFER TO MECHANICAL FOR NEW THERMOSTATS AND REWIRING THE CONNECTIONS. ALL NEW WIRING TO BE CONCEALED AND WITH MINIMUM DISRUPTION TO FINISHES. MATCH EXISTING FINISHES AND MAKE GOOD UPON COMPLETION OF ELECTRICAL AND MECHANICAL WORKS. REFER TO WALL TYPE FOR EXISTING WALL ASSEMBLY TO MAKE GOOD AND MATCH EXISTING.

R.C.P. LEGEND

| | | | |
|--|--|--|---|
| | EXISTING 610 mm x 610 mm ACOUSTIC CEILING TILE SYSTEM | | COFFERED TILES CEILING |
| | EXISTING 305 mm x 305 mm ACOUSTIC CEILING TILE SYSTEM | | EXISTING SPRINKLER HEAD |
| | EXISTING LIGHT FIXTURE TO REMAIN | | EXISTING CEILING MOUNTED SPEAKER |
| | EXISTING GYPSUM BOARD BULKHEAD | | EXISTING RETURN GRILLE |
| | EXISTING METAL CLADDING | | EXISTING SUPPLY DIFFUSER |
| | EXTENT OF CEILING REMOVAL AND REINSTATEMENT THIS GRAPHIC INDICATES THE APPROXIMATE EXTENT OF REMOVAL, SALVAGE AND REINSTATEMENT OF THE EXISTING CEILING TILES, T-BAR CROSS BARS, AND MECHANICAL AND ELECTRICAL FIXTURES WITHIN THE CEILING TO PROVIDE SUFFICIENT ACCESS TO THE CEILING SPACE TO REMOVE AND REINSTATE EXISTING, AND TO PROVIDE NEW MECHANICAL EQUIPMENT AND DISTRIBUTION. CEILING TILES CANNOT BE REINSTATEMENT UNTIL MECHANICAL AND ELECTRICAL WORK HAS BEEN COMPLETED. ALLOW FOR REPLACEMENT OF 25% EXISTING CEILING TILES AND T-BAR ON THE IDENTIFIED AREA OF CEILING REMOVAL AND REINSTATEMENT. CAREFULLY REMOVE, SALVAGE AND REINSTATE ACT TILES, COFFERED TILES AND METAL CLADDING CEILING AS SHOWN ON DRAWINGS. | | AREA OF SCOPE OF WORK REFER TO MECHANICAL, ELECTRICAL AND STRUCTURAL FOR FULL SCOPE OF WORK. |

| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66 % PROGRESS REVIEW | 2014.06.14 |
| 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. 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
PARRY SOUND ONTARIO
28 WAUBEEK STREET

**CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING**

drawing title
titre du dessin
**BUILDING A - MAIN BUILDING
SHOP WING
REFLECTED CEILING PLAN**

drawn by
dessiné par

GB, LN

designed by
conc par

GB, LN, CH

approved by
approuvé par

CH

bid
offre

J.LEON

project date
date du projet

2016-01-26

project no.
no. du projet

R.064667.004

drawing no.
dessiné no.

A-A07



- R.C.P. LEGEND**

EXISTING 610 mm x 610 mm ACOUSTIC CEILING TILE SYSTEM.

EXISTING 305 mm x 305 mm ACOUSTIC CEILING TILE SYSTEM.

EXISTING LIGHT FIXTURE TO REMAIN.

EXISTING GYPSUM BOARD BULKHEAD

EXISTING METAL CLADDING

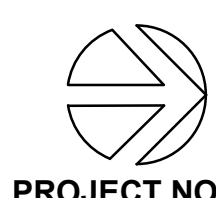
EXISTING SPRINKLER HEAD

EXISTING CEILING MOUNTED SPEAKER

EXISTING RETURN GRILLE

EXISTING SUPPLY DIFFUSER

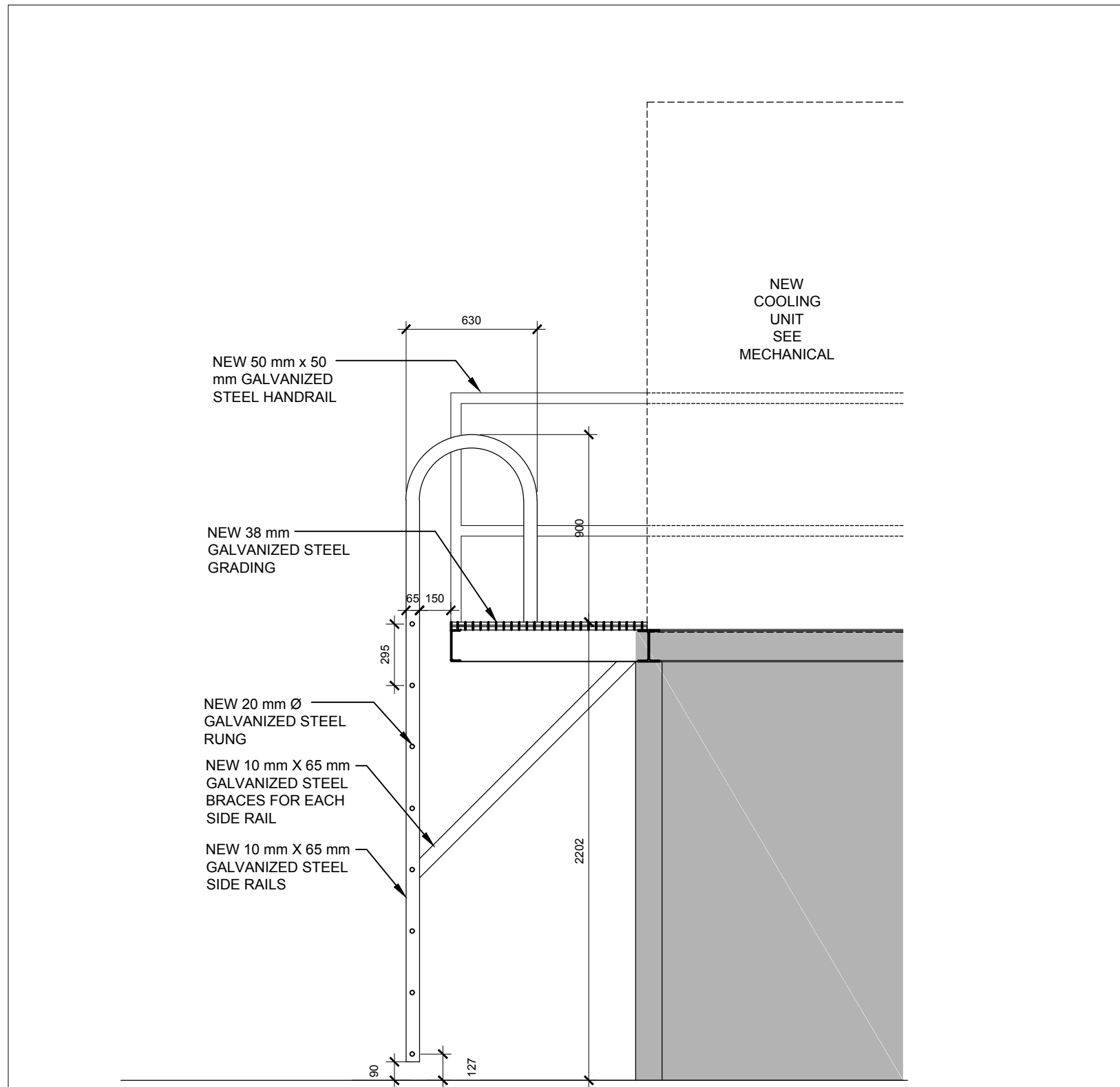
AREA OF SCOPE OF WORK.
REFER TO MECHANICAL, ELECTRICAL AND
STRUCTURAL FOR FULL SCOPE OF WORK.



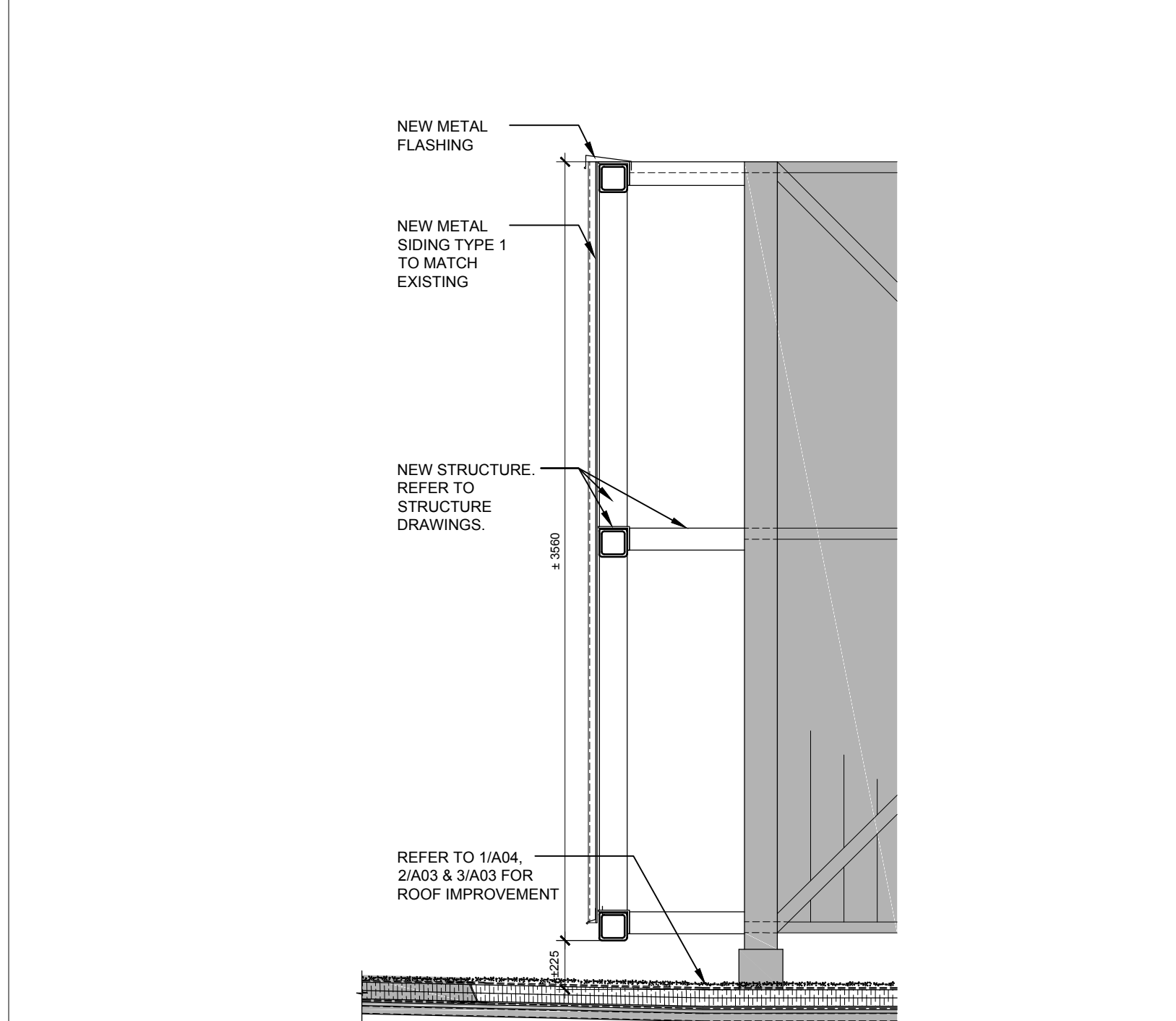
For Bid Purposes and Not for Construction

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

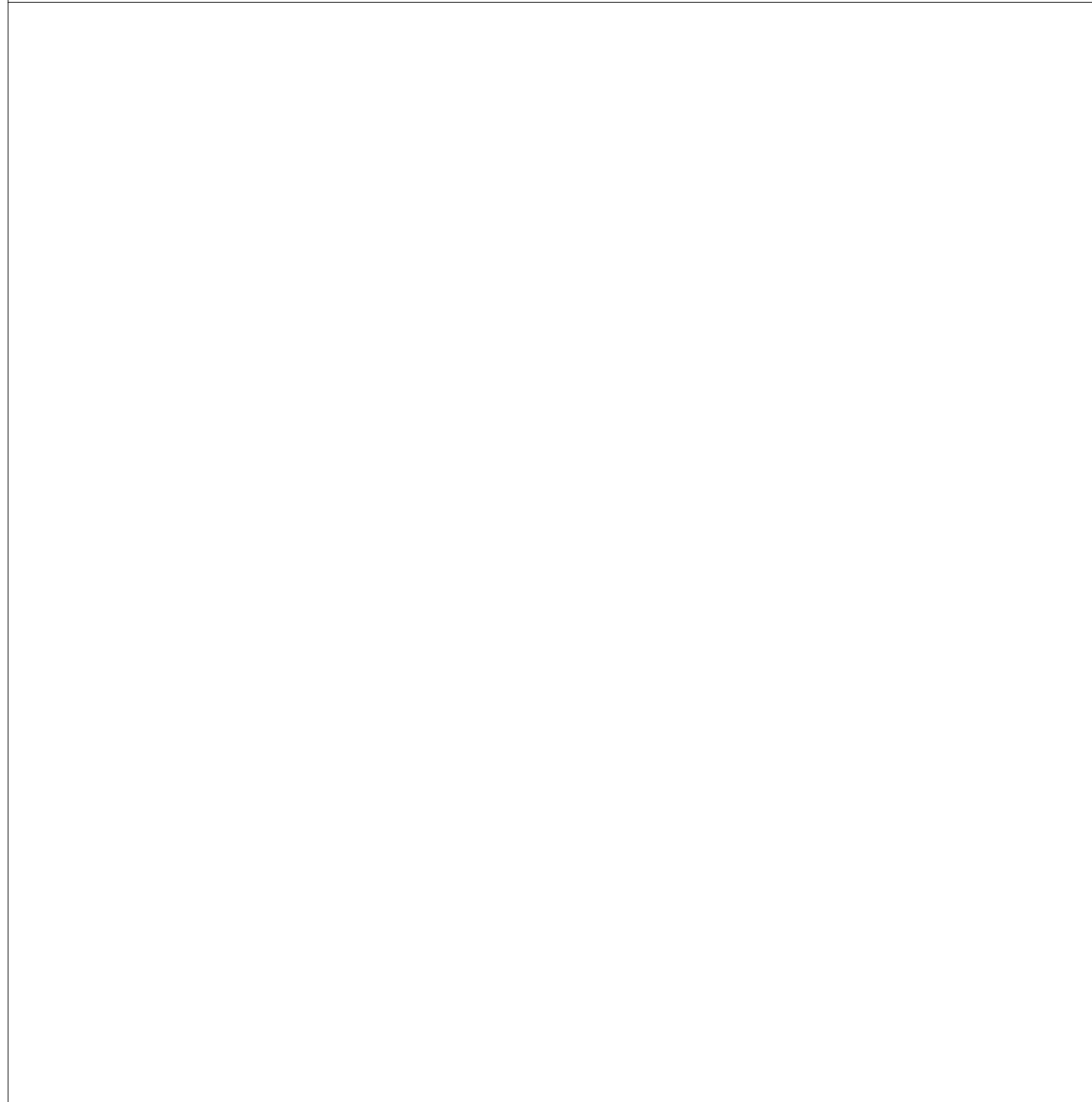
A-A08



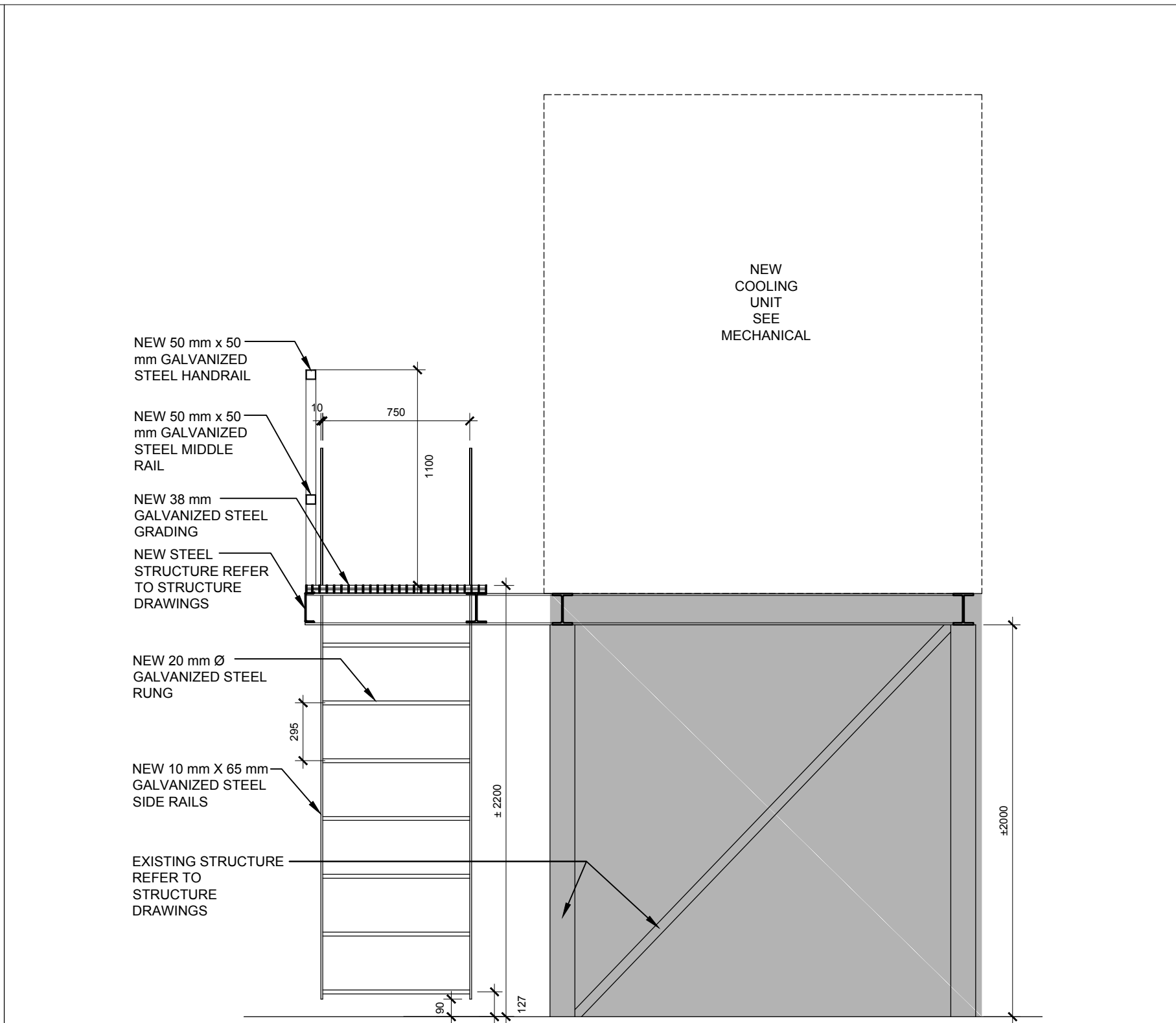
9 COOLING UNIT PLATFORM
A-A12 1:25



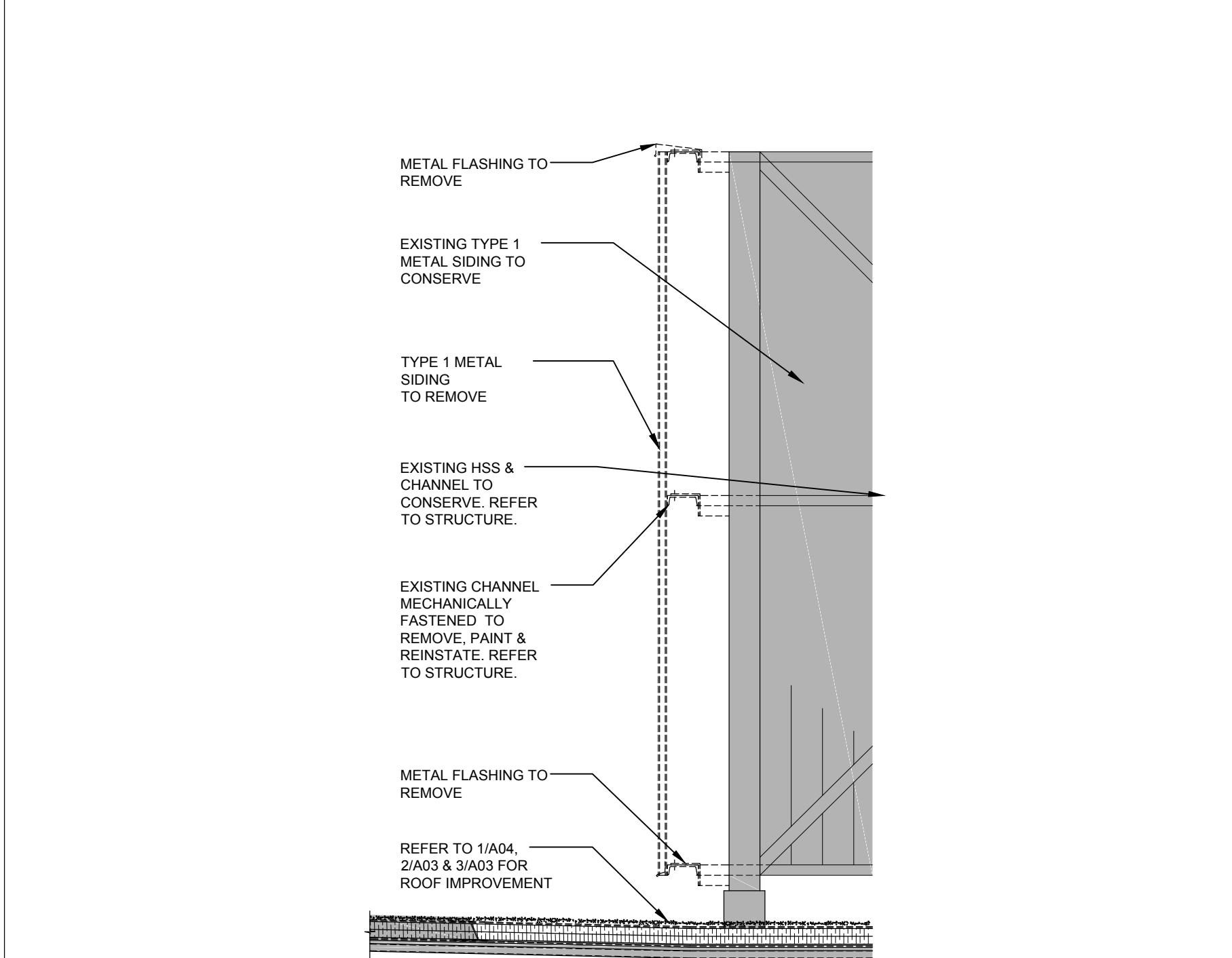
7 CONSTRUCTION - ROOF SCREEN SECTION
A-A12 1:25



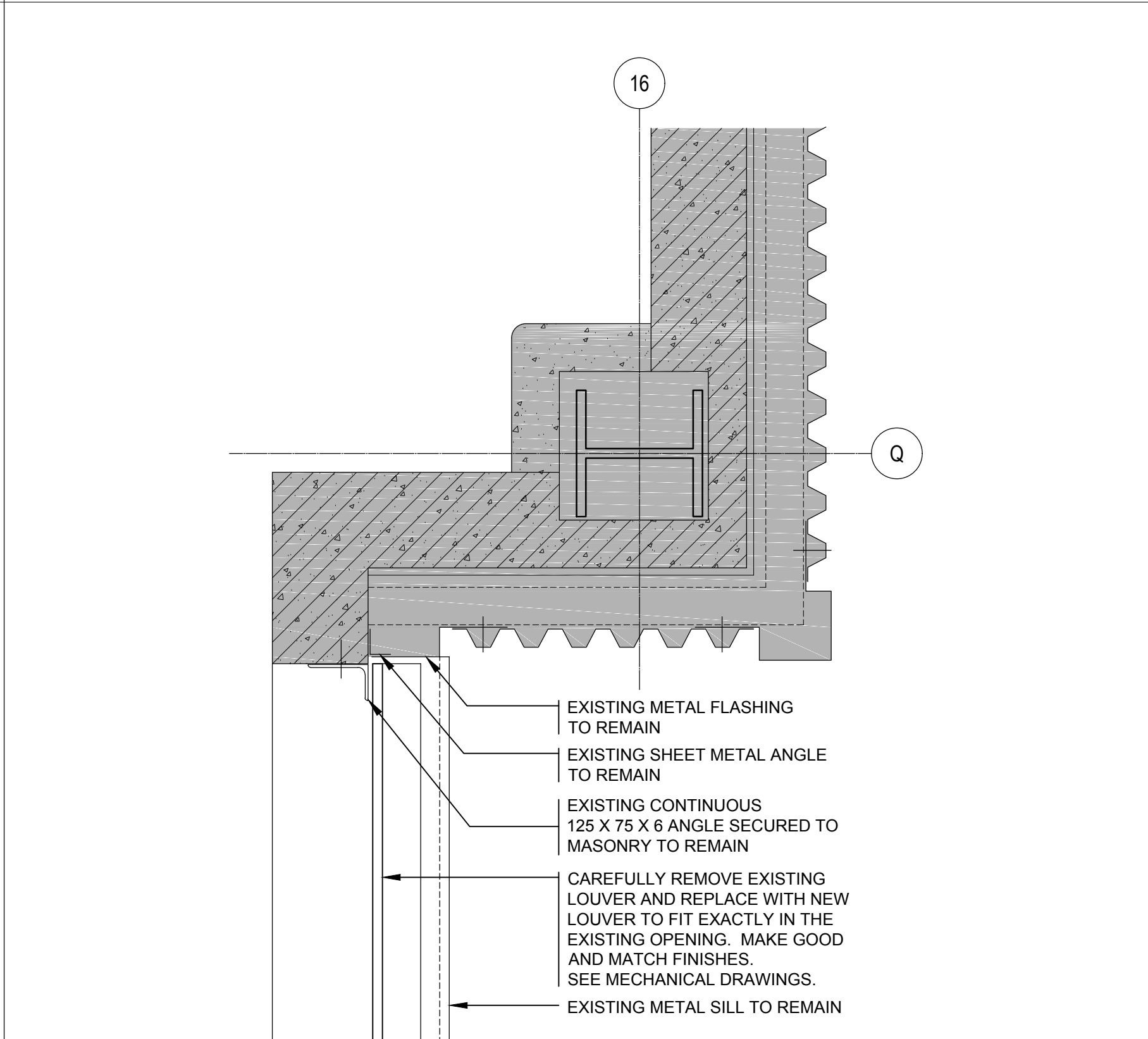
2 TO 5 RESERVED
A-A12 1:20



8 COOLING UNIT PLATFORM
A-A12 1:25



6 DEMOLITION - ROOF SCREEN SECTION
A-A12 1:25



1 DETAIL AT LOUVER - JAMB
A-A12 1:10

| | | |
|----------|-------------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR PACKAGE 1 CLASS A | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R1 | 2014.08.29 |
| 01 | ISSUED FOR 66 % PROGRESS REVIEW | 2014.06.14 |
| 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. 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
PARRY SOUND ONTARIO
28 WAUBEEK STREET

**CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING**

drawing title
titre du dessin
**BUILDING A - MAIN BUILDING
DETAILS**

drawn by
dessiné par GB, LN

designed by
conc par GB, LN, CH

approved by
approuvé par CH

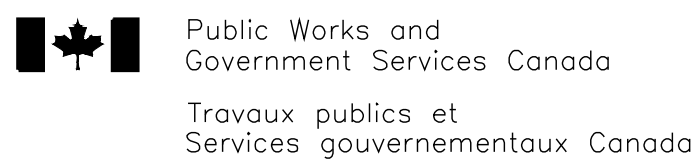
bid
offre J.LEON project manager
administrateur de projets

project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

drawing no.
dessiné no. A-A12





TAYLOR HAZELL ARCHITECTS
333 Adelaide Street West, 5th Floor
Toronto ON M5V 1R5 www.taylorhazell.com
p. 416.862.2694 f. 416.862.8401



2300 Yonge Street,
Suite 2300
Toronto, ON Canada
M4P 1E4

1.416.487.5258
1.888.HALSALL
1.416.487.9766
halsall.com

© 2014 HALSALL ASSOCIATES
UNAUTHORIZED USE IS PROHIBITED

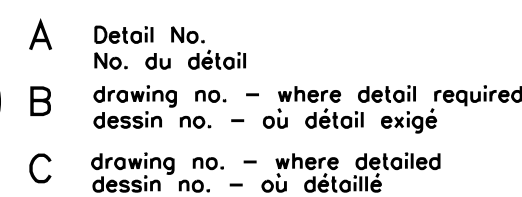


1. SEE GENERAL REQUIREMENTS AND TYPICAL DETAILS ON DRAWING S100.
2. PENTHOUSE ROOF DATUM ELEVATION IS 192.700.
3. UNLESS NOTED OTHERWISE ON PLAN, DESIGN LOADS ARE:
 LIVE LOAD (SNOW) = 2.54 kN/m² MINIMUM + EXISTING WINDING AREAS NOTED ON PLAN
 LIVE LOAD (RAIN) IS 5.0 kN/m² MINIMUM + EXISTING SNOW LOAD
 SUPERIMPOSED DEAD LOAD = 1.6 kN/m²
 WHERE BEAMS NOTED THUS $(\frac{a}{x})$, X IS DISTANCE TO TOP OF BEAM FROM
 PENTHOUSE ROOF DATUM.
4. SITE VERITY TOP OF STEEL BEAM ELEVATION BASED ON HEIGHT OF EXISTING
 MECHANICAL PLATFORM TOPS, TYPICAL.
5. VXES ON PLAN DENOTES NEW L₆W₆K₆ A₆ L = 175 IN
6. ALL NEW STRUCTURAL STEEL TO BE STANDARDIZED
7. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION AND FOR OVERALL LOCATION
 TRIM SIZES OF OPENINGS AS PER TYPICAL DETAIL T5030. FOR LARGER OPENINGS COORDINATE
 WITH ARCHITECTURAL DRAWINGS. COORDINATE THE DRUMS OF THE TRIM WITH THE
 OPENINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.



| | | |
|----------|------------------------------------|------------|
| 5 | ISSUED FOR TENDER | 01/26/2016 |
| 4 | ISSUED FOR CLASS A COST ESTIMATE | 11/06/2015 |
| 3 | ISSUED FOR TENDER | 01/15/2015 |
| 2 | ISSUED FOR 100% CONTRACT DOCUMENTS | 12/15/2014 |
| 1 | ISSUED FOR 95% CONTRACT DOCUMENTS | 11/19/2014 |
| revision | | date |

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



project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBECK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin

MAIN BUILDING
PART PENTHOUSE ROOF
FRAMING PLAN &
SECTIONS

drawn by
dessine par AYK

designed by
 0000-000

approved by

| | |
|--------------|---|
| bid offre | project manager administrateur de projets |
|--------------|---|

| | |
|--------------------------------|------------|
| project date date du projet | 2016-01-26 |
|--------------------------------|------------|

| | |
|------------------------------|--------------|
| project no. no. du projet | R.064667.004 |
|------------------------------|--------------|

drawing no.
dessine no. S-A01



HVAC UPGRADES TO MAIN BUILDING PARRY SOUND CANADIAN COAST GUARD BASE

28 WAUBEEK STREET, PARRY SOUND, ONTARIO

PROJECT NUMBER: R.064667.004

| VENTILATION LEGEND | |
|--------------------|--|
| | SUPPLY AIR DUCT |
| | RETURN OR EXHAUST AIR DUCT |
| | DENOTES - SUPPLY 105 cfm THRU TYPE 'A' DIFFUSER c/w 250 NECK |
| | DENOTES - SUPPLY 105 cfm THRU 450x250 TYPE 'B' GRILLE |
| | DENOTES - RETURN OR EXHAUST 105 cfm THRU 450x250 TYPE 'C' GRILLE |
| | SQUARE S/A DIFFUSER |
| | ROUND S/A DIFFUSER |
| | PERIMETER BOOT |
| | AIR SUPPLY BOOT OVER LIGHT FIXTURE |
| | V.A.V. BOX C/W ATTENUATOR |
| | V.A.V. BOX C/W ATTENUATOR & REHEAT COIL |
| | ACOUSTIC DUCT LINING |
| | DUCT SILENCER |
| | TURNING VANES |
| | FLEXIBLE DUCT |
| | DOOR UNDERCUT |
| | ACCESS DOOR |
| | TAKE-OFF WITH VOLUME DAMPER |
| | FLEXIBLE CONNECTION |
| | FIRE OR SMOKE DAMPER |
| | VOLUME DAMPER |
| | BACKDRAFT DAMPER |
| | MOTORIZED DAMPER |
| | SPLITTER DAMPER |

| GENERAL NOTES | |
|---------------|--|
| | A - DENOTES VAV UNIT TYPE REFERS TO SPECIFICATION |
| | 150 - DENOTES AIR QUANTITY - IN CFM. MINIMUM |
| | 450 - DENOTES AIR QUANTITY - IN CFM. MAXIMUM |
| | CV - DENOTES CONVECTOR HEATING UNIT |
| | A - DENOTES UNIT TYPE - REFER TO SPECIFICATION |
| | 1.0 - DENOTES HEATING CAPACITY - IN MBH. |
| | FF - DENOTES FORCE FLOW HEATER |
| | 1 - DENOTES FORCE FLOW HEATER NUMBER |
| | UH - DENOTES UNIT HEATER |
| | 1 - DENOTES UNIT HEATER NUMBER |
| | RH - DENOTES REHEAT COIL |
| | 1 - DENOTES REHEAT COIL NUMBER |
| | HWT - DENOTES HOT WATER TANK |
| | 1 - DENOTES HOT WATER TANK NUMBER |
| | B - DENOTES BOILER |
| | 1 - DENOTES BOILER NUMBER |
| | ET - DENOTES EXPANSION TANK |
| | 1 - DENOTES EXPANSION TANK NUMBER |
| | P - DENOTES PUMP |
| | 1 - DENOTES PUMP NUMBER |
| | CD - DENOTES CONDENSER |
| | 1 - DENOTES CONDENSER NUMBER |
| | EF - DENOTES EXHAUST FAN |
| | 1 - DENOTES EXHAUST FAN NUMBER |
| | SF - DENOTES SUPPLY AIR FAN |
| | 1 - DENOTES SUPPLY AIR FAN NUMBER |
| | AH - DENOTES AIR HANDLING UNIT |
| | 1 - DENOTES AIR HANDLING UNIT NUMBER |
| | FCU - DENOTES FAN COIL UNIT |
| | 1 - DENOTES FAN COIL UNIT NUMBER |
| | H - DENOTES EXISTING UNIT HEATER |
| | 1 - DENOTES EXISTING UNIT HEATER NUMBER |
| | ME - DENOTES EXISTING MECHANICAL EQUIPMENT |
| | 1 - DENOTES EXISTING MECHANICAL EQUIPMENT NUMBER |
| | SL - DENOTES CHILLER |
| | 1 - DENOTES CHILLER NUMBER |

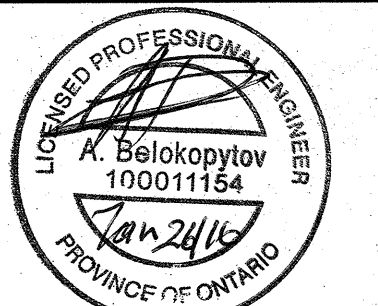
| HEATING & COOLING LEGEND | |
|--------------------------|-------------------------------|
| | EXPANSION COMPENSATOR |
| | FLOAT & THERMOSTATIC TRAP |
| | FLEXIBLE CONNECTION |
| | THERMOSTAT/TEMPERATURE SENSOR |
| | HUMIDISTAT/HUMIDITY SENSOR |
| | WALL MOUNTED SPEED CONTROLLER |
| | AUTOMATIC AIR VENT |
| | MANUAL VENT |
| | FLOAT VENT |
| | GLYCOL SUPPLY LINE |
| | GLYCOL RETURN LINE |
| | REFRIGERANT SUCTION |
| | REFRIGERANT LIQUID |
| | REFRIGERANT HOT GAS LINE |
| | HOT WATER SUPPLY LINE |
| | HOT WATER RETURN LINE |
| | CHILLED WATER SUPPLY LINE |
| | CHILLED WATER RETURN LINE |

| LINEWORK DESIGNATION | |
|----------------------|-------------------------------------|
| | NEW WORK (PIPING AND DUCTWORK) |
| | EXIST. WORK TO REMAIN |
| | EXIST. DUCTWORK TO BE REMOVED |
| | EXISTING PIPING TO BE REMOVED |
| | EXIST. SPRINKLER HEAD TO REMAIN |
| | EXIST. SPRINKLER HEAD TO BE REMOVED |

| VALVES & SPECIALTIES LEGEND | |
|-----------------------------|-------------------------------------|
| | SHUT OFF VALVE |
| | GLOBE VALVE |
| | BALL VALVE |
| | SUPERVISED VALVE |
| | AUTOMATIC BALANCING VALVE |
| | CONTROL VALVE |
| | SOLENOID VALVE |
| | PRESSURE REDUCING VALVE |
| | PRESSURE RELIEF VALVE |
| | PRESSURE & TEMPERATURE RELIEF VALVE |
| | MIXING OR DIVERTER VALVE (3-WAY) |
| | BUTTERFLY VALVE |
| | PLUG VALVE (GAS) |
| | CHECK VALVE |
| | BASKET STRAINER |
| | 'Y' STRAINER |
| | BACK WATER VALVE |
| | BACK FLOW PREVENTER ASSEMBLY |
| | FLOW SWITCH |
| | PRESSURE SWITCH |
| | UNION |
| | PET COCK |
| | THERMOMETER |
| | PRESSURE GAUGE |
| | UNIT HEATER |
| | WALL FIN CONVECTOR |
| | UNINSULATED PIPE (IN SECTION) |
| | INSULATED PIPE (IN SECTION) |

MECHANICAL DRAWING LIST

| MA--SERIES | | M--SERIES | |
|---------------|--|-----------|--|
| MAIN BUILDING | | GENERAL | |
| M-A001 | KEY PLAN - SHOP WING - MAIN BUILDING (MA) | M-001 | MECHANICAL LEGEND AND DRAWING LIST |
| M-A002 | KEY PLAN - ADMINISTRATION - MAIN BUILDING (MA) | M-701 | HOT WATER HEATING SCHEMATIC - NEW |
| M-A403 | HVAC DUCTWORK - ADMINISTRATIVE - MAIN BUILDING (MA) | M-701D | HOT WATER HEATING SCHEMATIC - DEMOLITION |
| M-A403 | HVAC DUCTWORK - FAN ROOM - MAIN BUILDING (MA) | M-801 | MECHANICAL DETAILS #1 |
| M-A404 | HVAC DUCTWORK - MECHANICAL ROOM - MAIN BUILDING (MA) | M-802 | MECHANICAL DETAILS #2 |
| M-A405 | HVAC PIPING - MECHANICAL ROOM - MAIN BUILDING (MA) | M-803 | MECHANICAL DETAILS #3 |
| M-A451 | HVAC PIPING - BOILER ROOM - MAIN BUILDING (MA) | | |
| M-A452 | HVAC PIPING - ROOF PLAN - MAIN BUILDING (MA) | | |
| M-A501 | HVAC DUCTWORK - CENTRAL STORES - MAIN BUILDING (MA) | | |
| M-A502 | HVAC DUCTWORK - IT ROOM - MAIN BUILDING (MA) | | |
| M-A503 | HVAC DUCTWORK - BOILER ROOM - MAIN BUILDING (MA) | | |



| | | |
|----------|-------------------------------------|------------|
| 07 | | |
| 06 | ISSUED FOR TENDER 2016-01-26 | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.08 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| revision | | date |

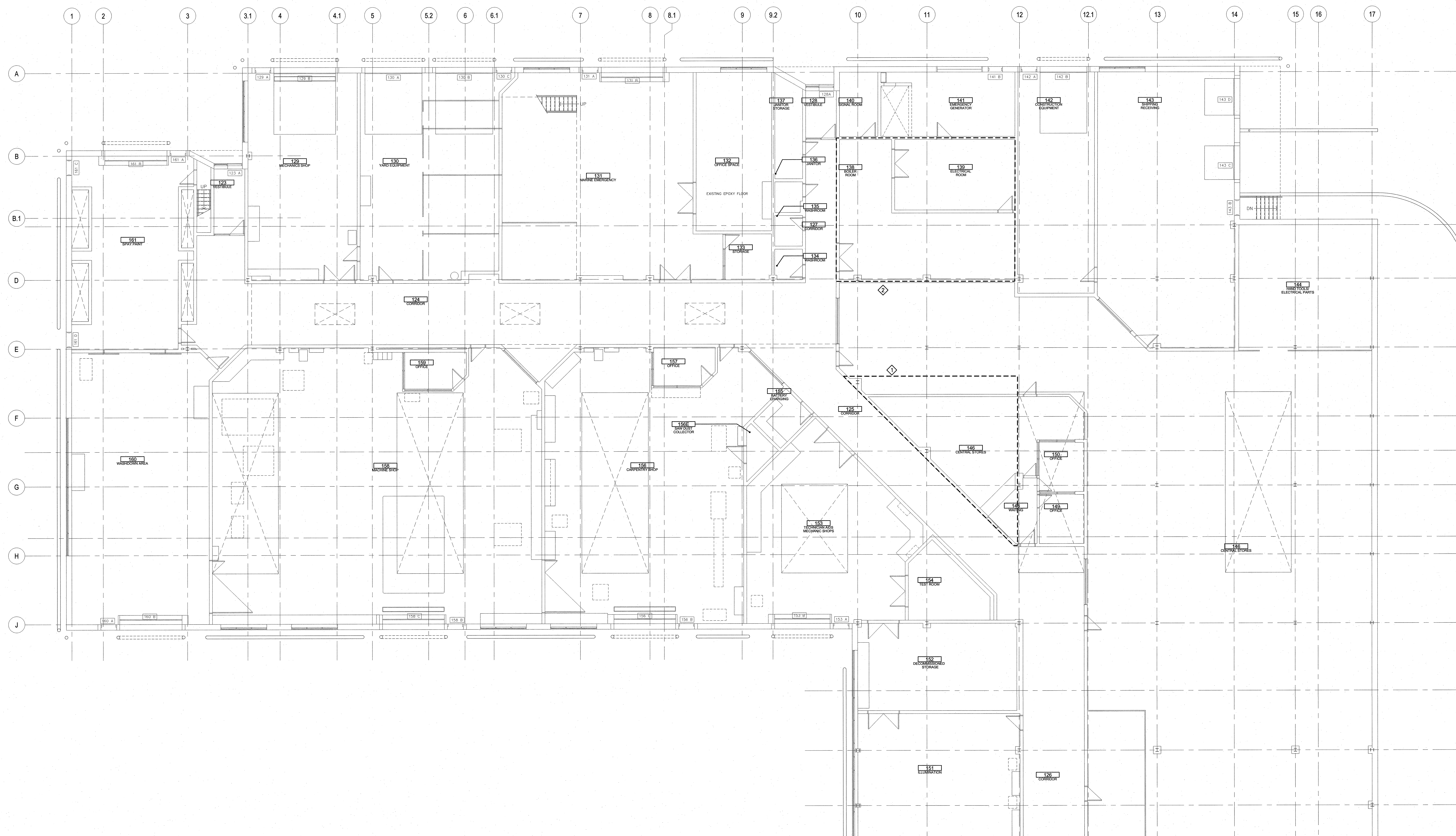
Do not scale drawings.
Verify all dimensions and conditions on site and immediately
notify the Departmental Representative of all discrepancies.

| | | |
|--|---|---|
| | 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
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

MECHANICAL LEGEND AND DRAWING LIST

| | | |
|--------------------------------|--------------|---|
| drawn by dessiné par | LP | project manager administrateur de projet |
| designed by conçu par | LP | |
| approved by approuvé par | AC | |
| bid offre | JLEON | |
| project date date du projet | 2016-01-26 | |
| project no. no. du projet | R.064667.004 | |
| drawing no. dessiné no. | M-001 | |



NOTES:

- REFER TO DRAWING M-A501 FOR HVAC DUCTWORK IN CENTRAL STORES.
- REFER TO DRAWING M-A451 FOR HVAC PIPING IN BOILER ROOM. REFER TO M-A503 FOR HVAC DUCTWORK IN BOILER AND ELECTRICAL ROOM.

1 GROUND FLOOR ADMINISTRATION AREA
M-A001 1:100



| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW 2014.06.14 |

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

| Detail No. No. du détail | drawing no. - where detail required dessin no. - où détail requis |
|-----------------------------|--|
| A | |
| B | |
| C | |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
MAIN BUILDING
KEY PLAN
SHOP WING

drawn by
dessiné par LP

designed by
conçu par LP

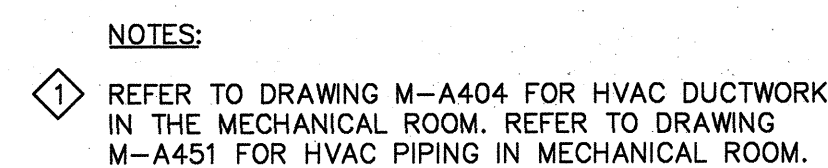
approved by
approuvé par AC

big office
bureau JLEON project manager
administrateur de projets

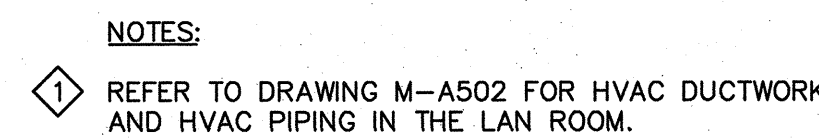
project date
date du projet 2016-01-26

project no.
no. du projet R-064667.004

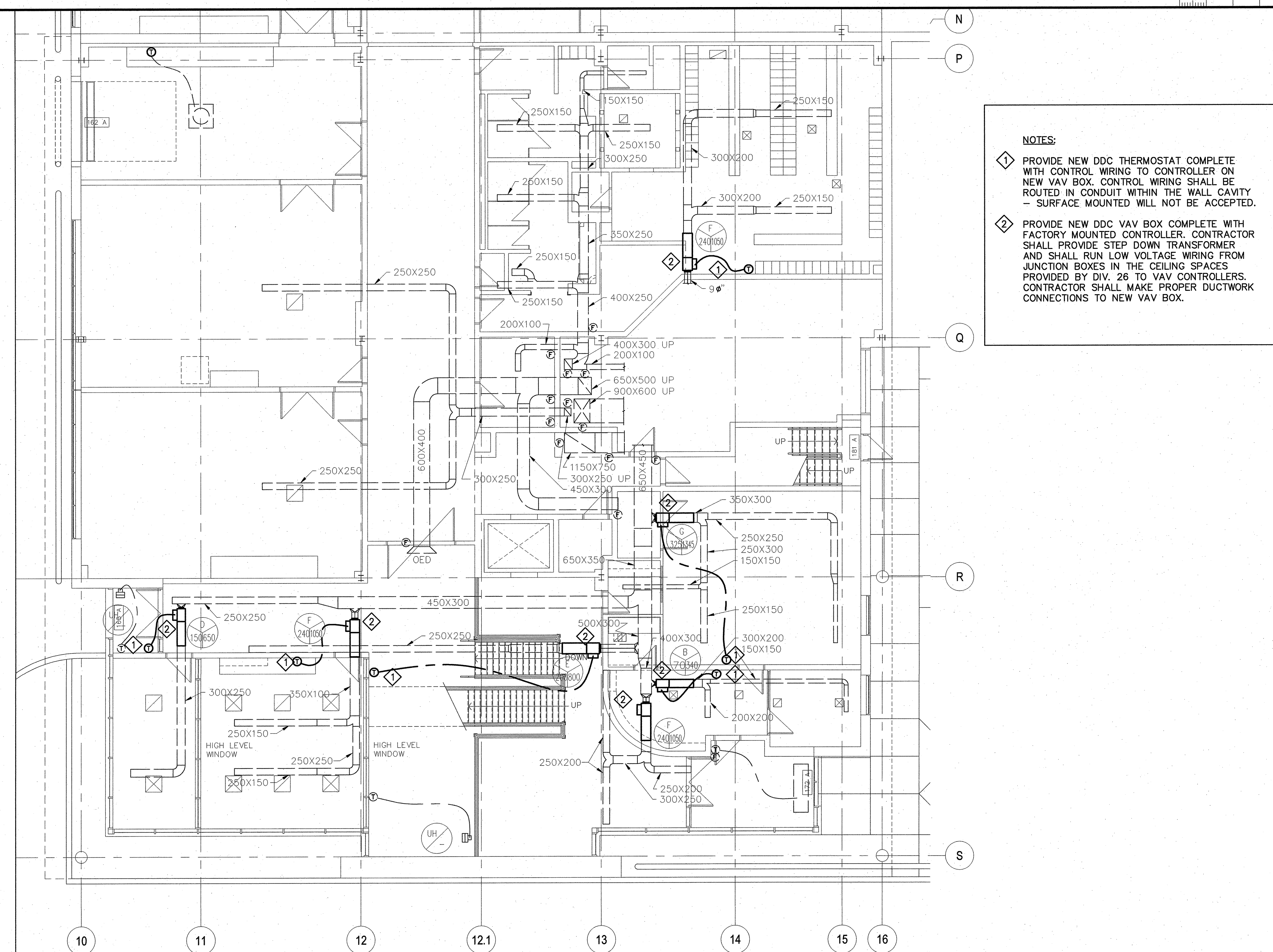
drawing no.
dessin no. M-A001



1 GROUND FLOOR ADMINISTRATION AREA
W-A002 1:100



2 SECOND FLOOR ADMINISTRATION AREA
M-A002 1:100

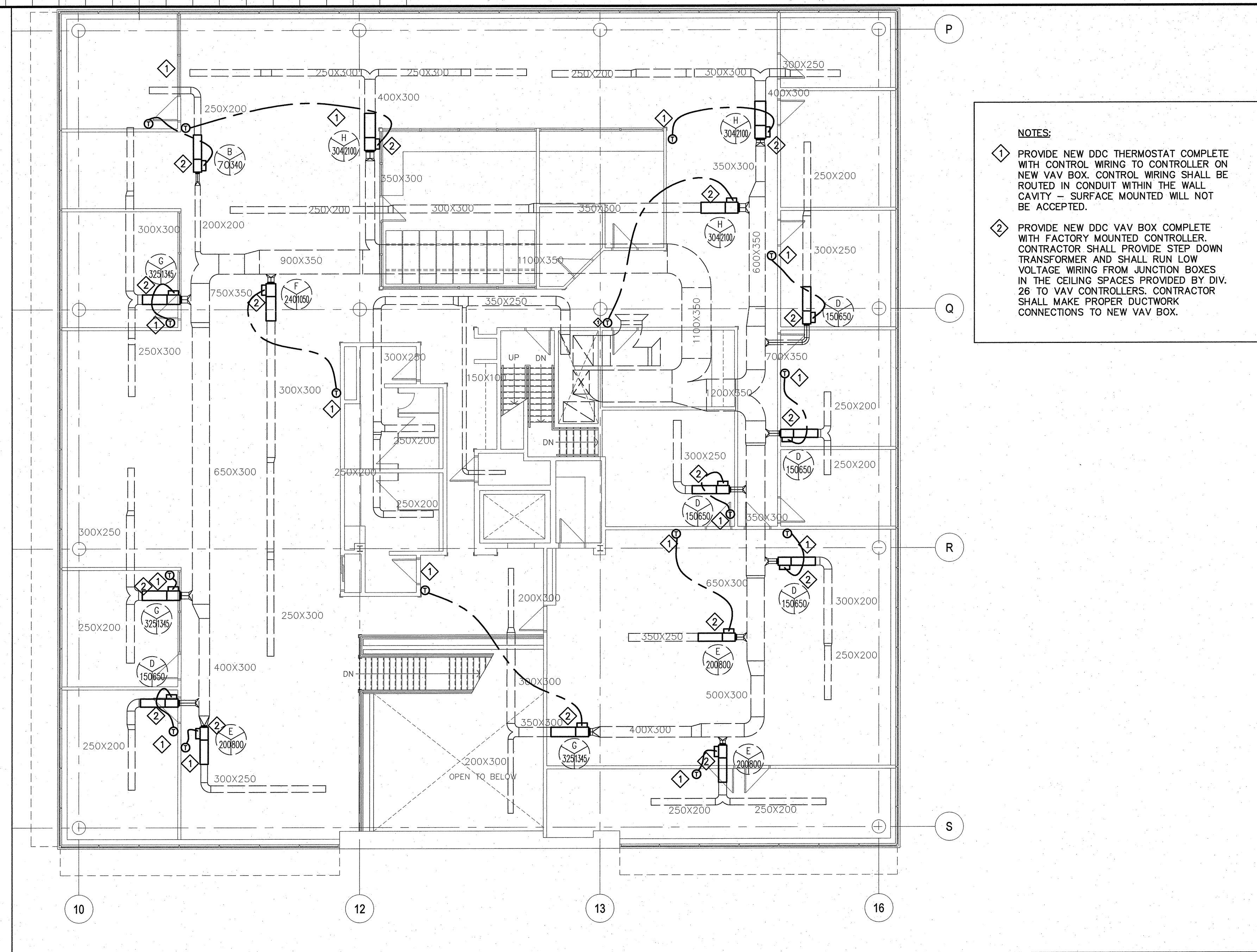


1 GROUND FLOOR LEVEL ADMINISTRATION NEW

M-A402 1:100

NOTES:

- ◆ PROVIDE NEW DDC THERMOSTAT COMPLETE WITH CONTROL WIRING TO CONTROLLER ON NEW VAV BOX. CONTROL WIRING SHALL BE ROUTED IN CONDUIT WITHIN THE WALL CAVITY - SURFACE MOUNTED WILL NOT BE ACCEPTED.
- ◆ PROVIDE NEW DDC VAV BOX COMPLETE WITH FACTORY MOUNTED CONTROLLER. CONTRACTOR SHALL PROVIDE STEP DOWN TRANSFORMER AND SHALL RUN LOW VOLTAGE WIRING FROM JUNCTION BOXES IN THE CEILING SPACES PROVIDED BY DIV. 26 TO VAV CONTROLLERS. CONTRACTOR SHALL MAKE PROPER DUCTWORK CONNECTIONS TO NEW VAV BOX.

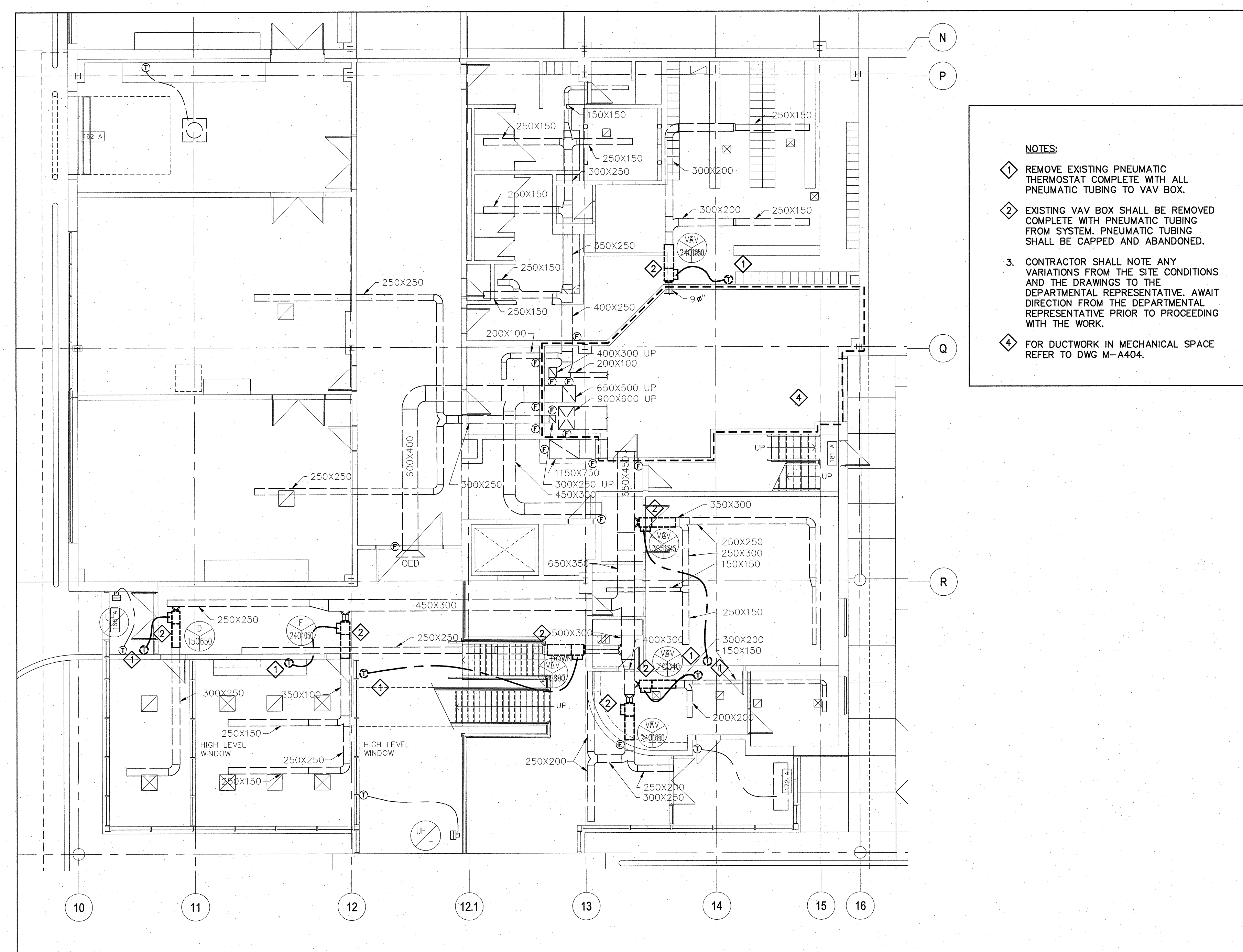


2 SECOND FLOOR ADMINISTRATION NEW

M-A402 1:100

NOTES:

- ◆ PROVIDE NEW DDC THERMOSTAT COMPLETE WITH CONTROL WIRING TO CONTROLLER ON NEW VAV BOX. CONTROL WIRING SHALL BE ROUTED IN CONDUIT WITHIN THE WALL CAVITY - SURFACE MOUNTED WILL NOT BE ACCEPTED.
- ◆ PROVIDE NEW DDC VAV BOX COMPLETE WITH FACTORY MOUNTED CONTROLLER. CONTRACTOR SHALL PROVIDE STEP DOWN TRANSFORMER AND SHALL RUN LOW VOLTAGE WIRING FROM JUNCTION BOXES IN THE CEILING SPACES PROVIDED BY DIV. 26 TO VAV CONTROLLERS. CONTRACTOR SHALL MAKE PROPER DUCTWORK CONNECTIONS TO NEW VAV BOX.

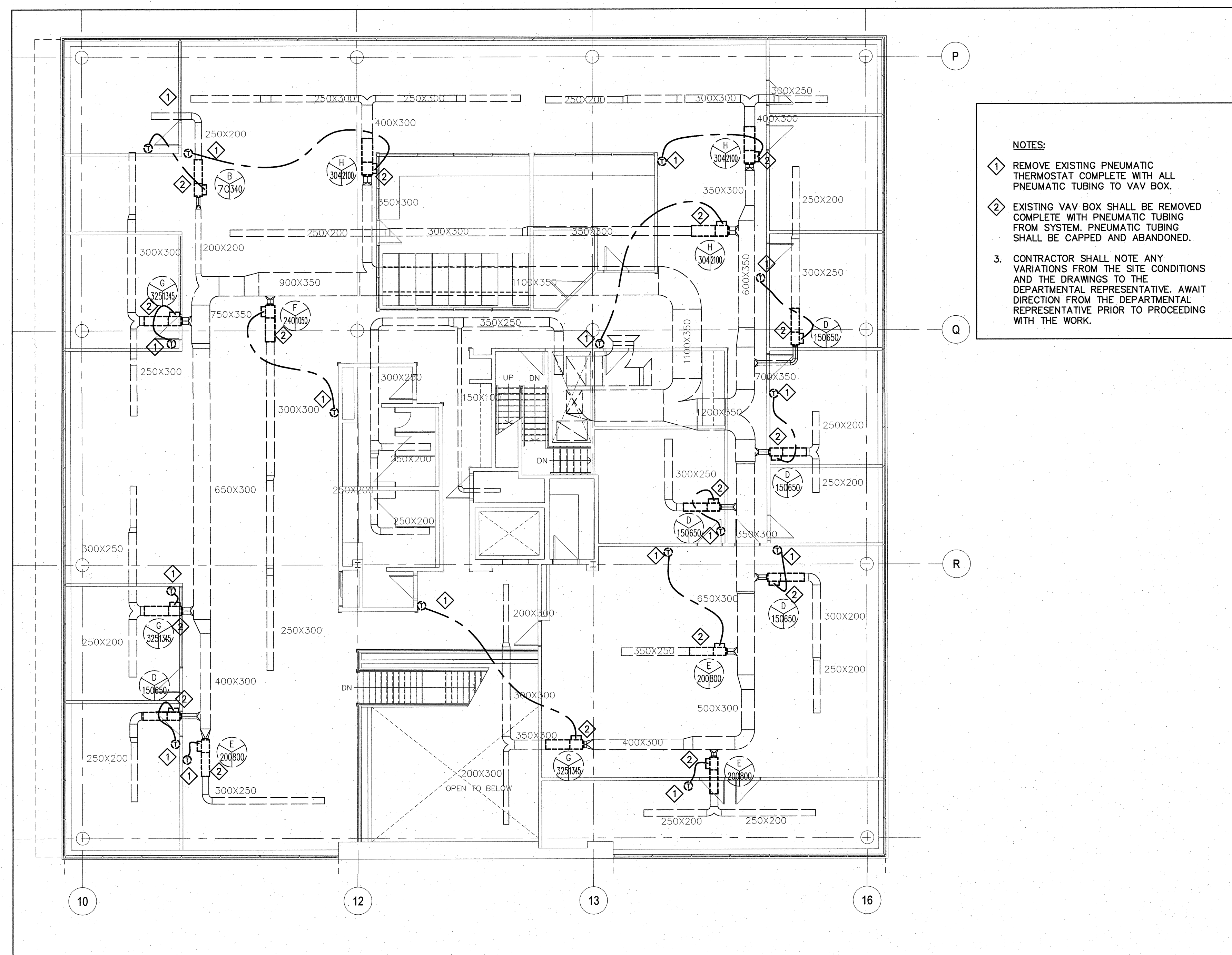


3 GROUND FLOOR LEVEL ADMINISTRATION DEMO

M-A402 1:100

NOTES:

- ◆ REMOVE EXISTING PNEUMATIC THERMOSTAT COMPLETE WITH ALL PNEUMATIC TUBING TO VAV BOX.
- ◆ EXISTING VAV BOX SHALL BE REMOVED COMPLETE WITH PNEUMATIC TUBING FROM SYSTEM. PNEUMATIC TUBING SHALL BE CAPPED AND ABANDONED.
- 3. CONTRACTOR SHALL NOTE ANY VARIATIONS FROM THE SITE CONDITIONS AND THE DRAWINGS TO THE DEPARTMENTAL REPRESENTATIVE. AWAIT DIRECTION FROM THE DEPARTMENTAL REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.
- ◆ FOR DUCTWORK IN MECHANICAL SPACE REFER TO DWG M-A404.

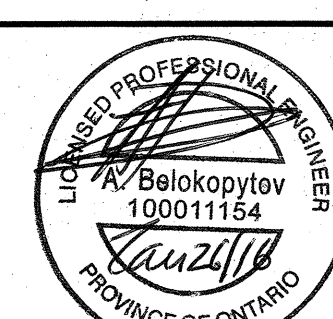


4 SECOND FLOOR ADMINISTRATION DEMO

M-A402 1:100

NOTES:

- ◆ REMOVE EXISTING PNEUMATIC THERMOSTAT COMPLETE WITH ALL PNEUMATIC TUBING TO VAV BOX.
- ◆ EXISTING VAV BOX SHALL BE REMOVED COMPLETE WITH PNEUMATIC TUBING FROM SYSTEM. PNEUMATIC TUBING SHALL BE CAPPED AND ABANDONED.
- 3. CONTRACTOR SHALL NOTE ANY VARIATIONS FROM THE SITE CONDITIONS AND THE DRAWINGS TO THE DEPARTMENTAL REPRESENTATIVE. AWAIT DIRECTION FROM THE DEPARTMENTAL REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.



| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW 2014.06.14 |

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

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

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
MAIN BUILDING
ADMINISTRATION
HVAC DUCTWORK

drawn by
dessiné par LP

designed by
conçu par LP

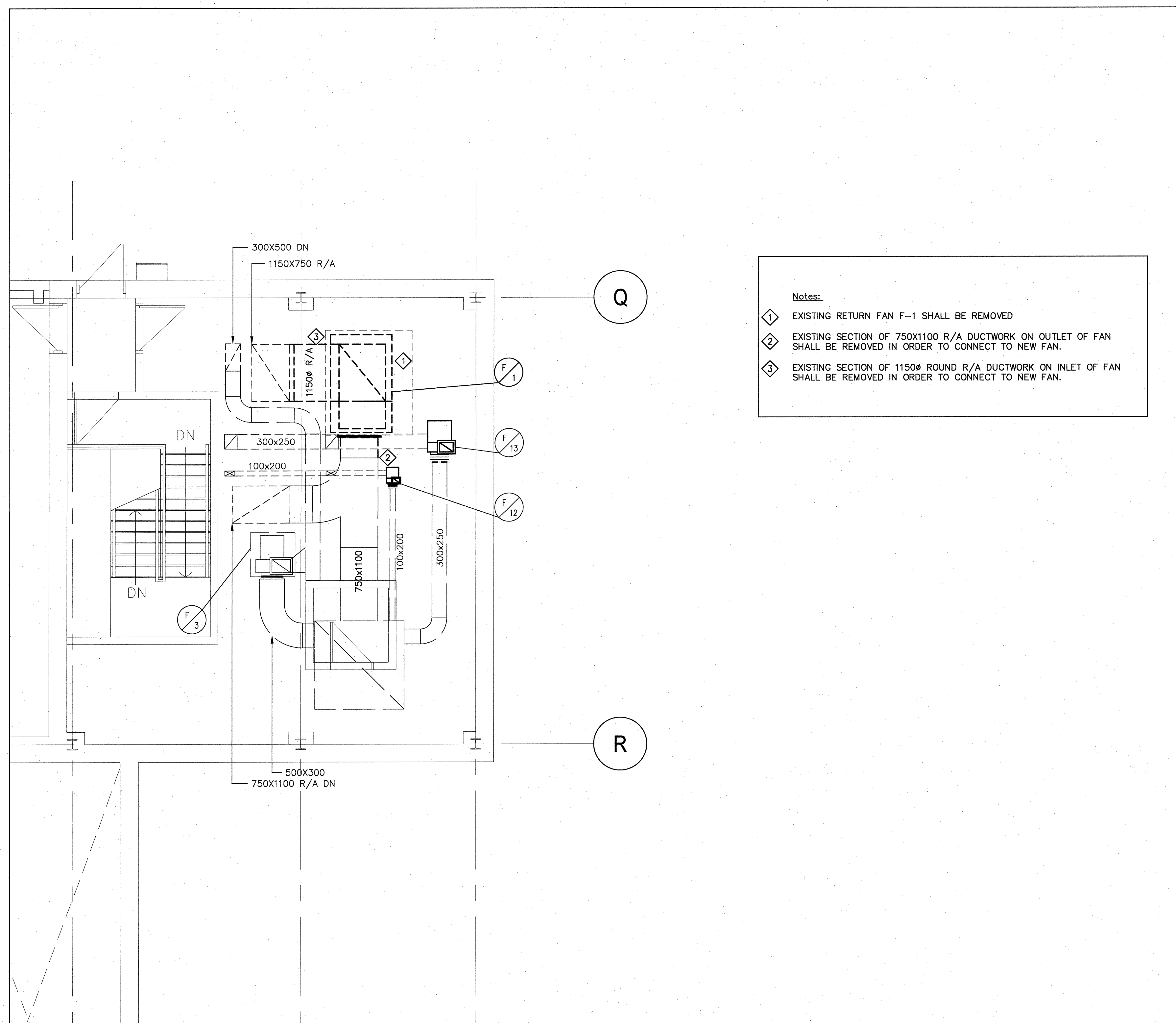
approved by
approuvé par AC

big office
bureau JLEON project manager
administrateur de projets

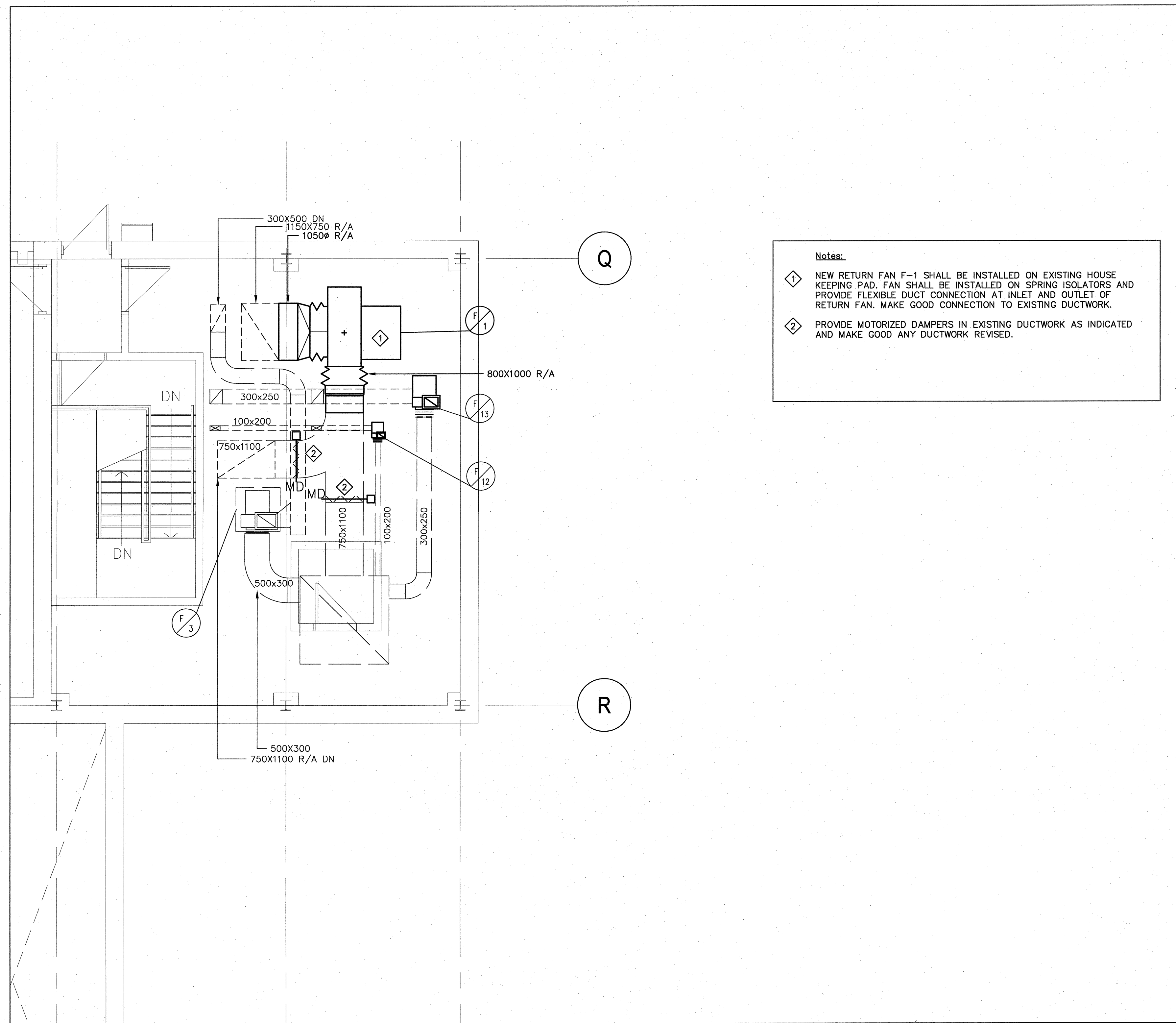
project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

drawing no.
dessin no. M-A402



1 THIRD FLOOR FAN ROOM DEMOLITION
W-A403 1:50



2 THIRD FLOOR FAN ROOM NEW
W-A403 1:50



[For Bid Purposes Only Not for Construction]

CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2285 Sheppard Avenue, E., Suite E 201
North York, ON M2L 4V1
(416) 497-5111 fax (416) 497-7210

| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW 2014.08.14 |

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

| Detail No. No. du détail | drawing no. - where detail required dessin no. - où détail requis |
|-----------------------------|--|
| A | |
| B | |
| C | |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
MAIN BUILDING
FAN ROOM
HVAC DUCTWORK

drawn by
dessiné par LP

designed by
conçu par LP

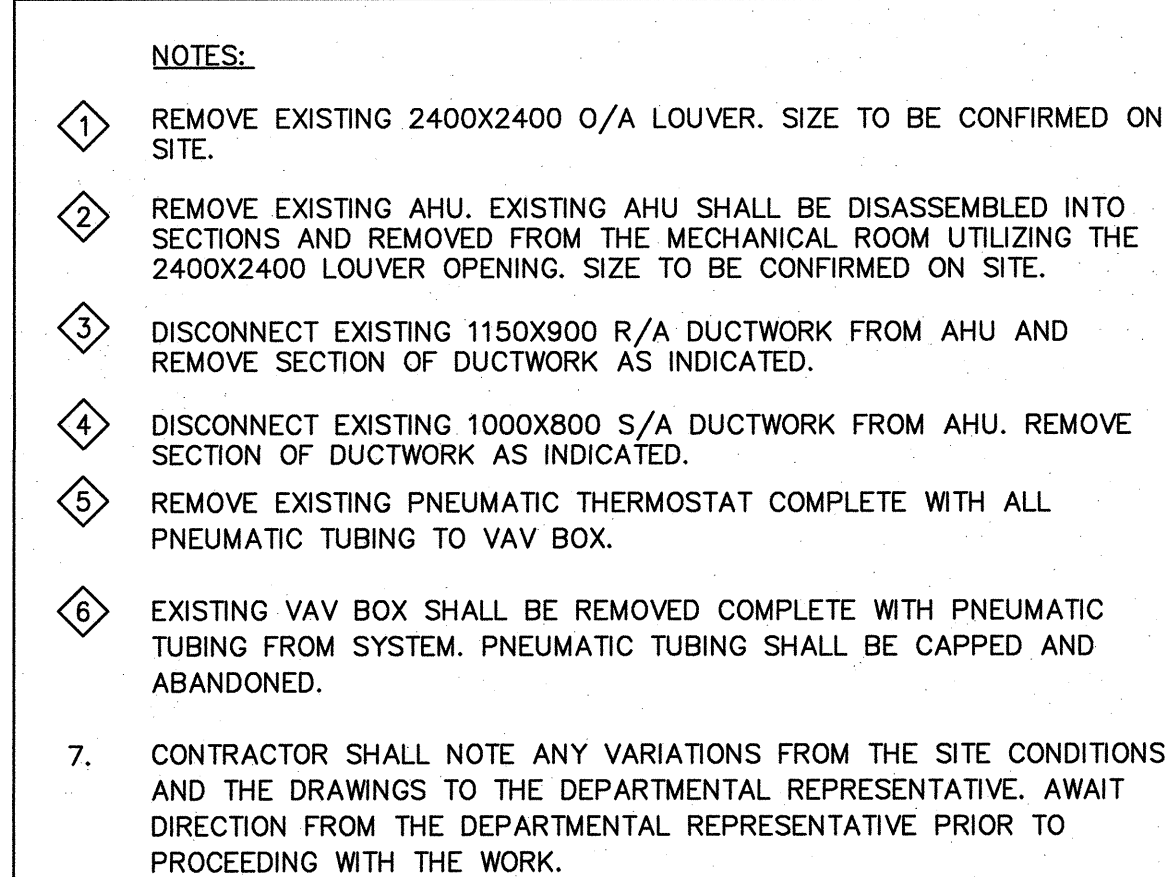
approved by
approuvé par AC

bid
offre JULEON project manager
administrateur de projets

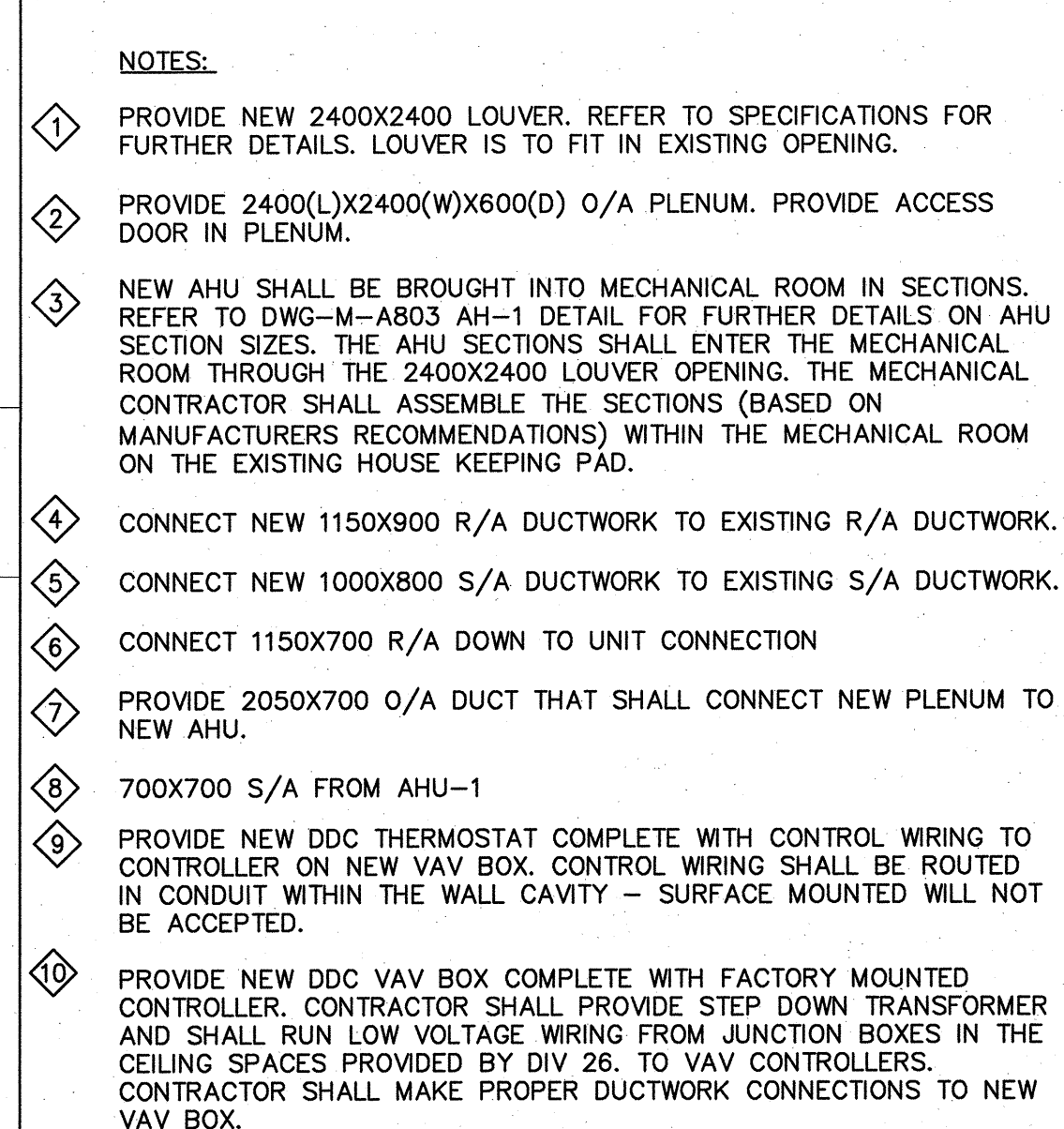
project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

drawing no.
dessin no. M-A403

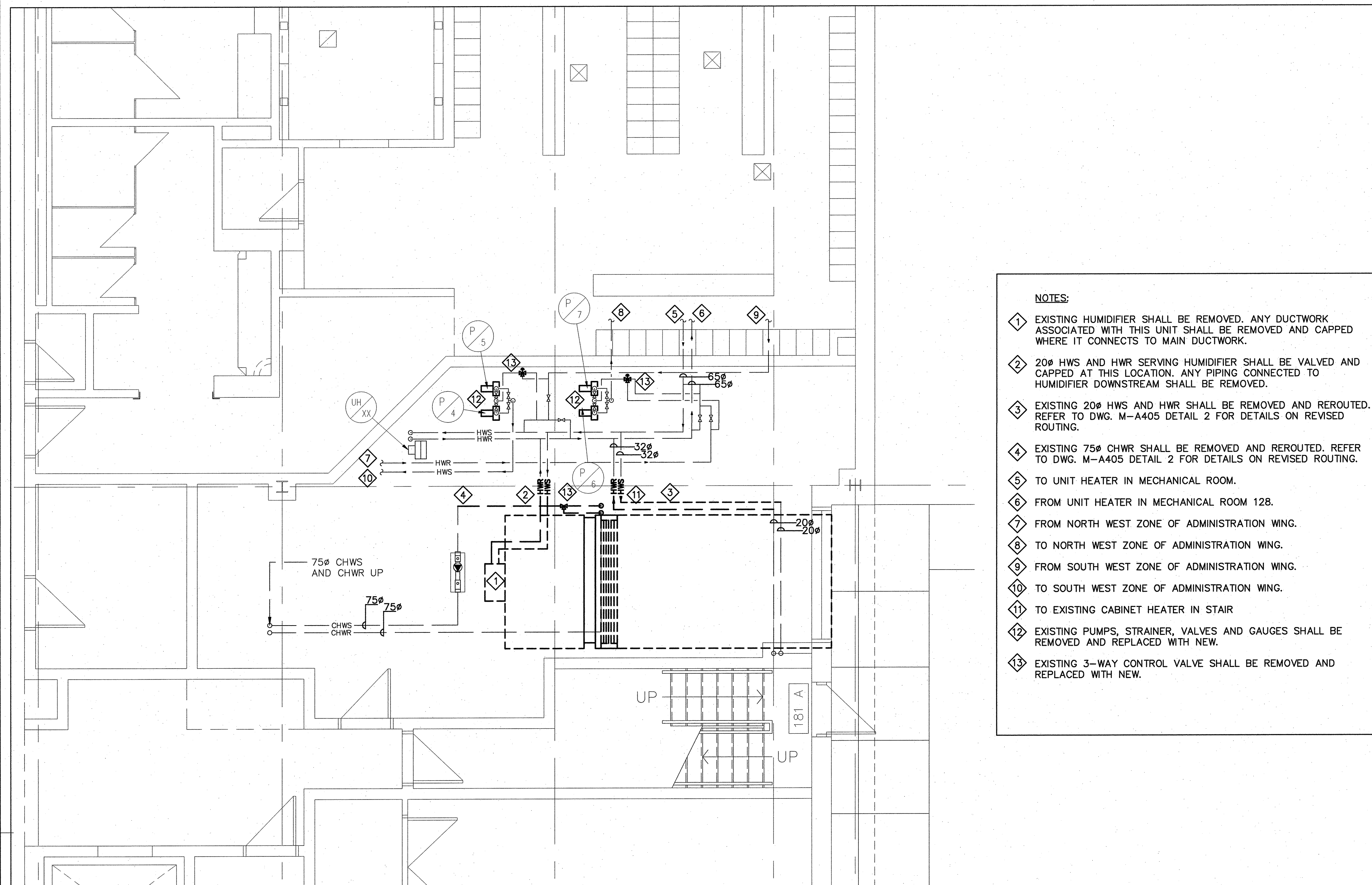


1 GROUND FLOOR MECHANICAL ROOM DEMOLITION
V-A404 1:50

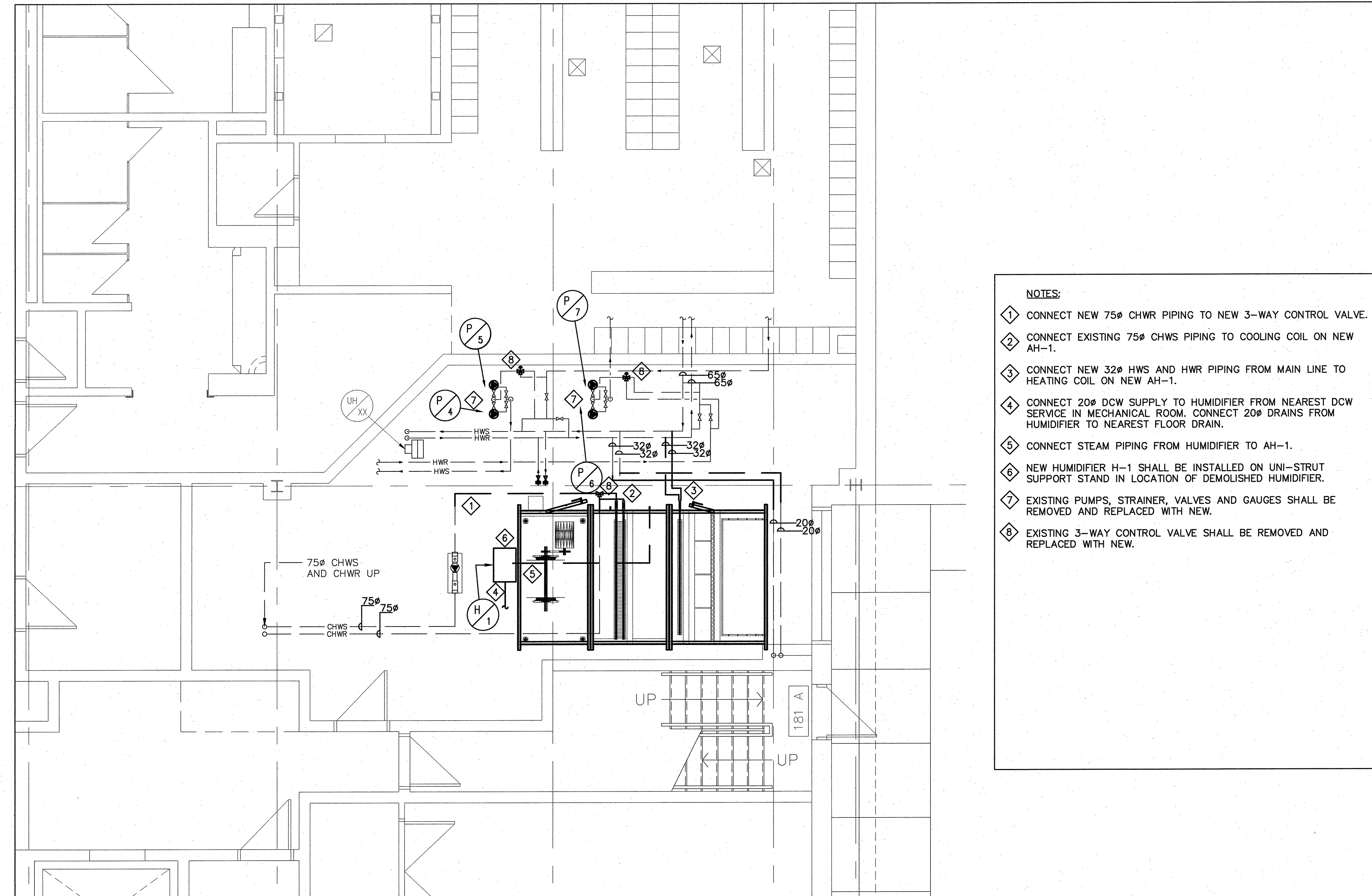


2 GROUND FLOOR MECHANICAL ROOM NEW
M-A404 1:50

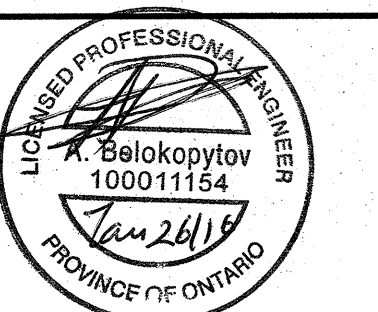
[illegible]



1 GROUND FLOOR MECHANICAL ROOM DEMOLITION
M-A405 1:50



2 GROUND FLOOR MECHANICAL ROOM NEW
M-A405 1:50

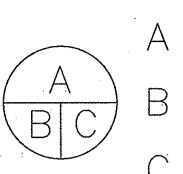


For Bid Purposes and Not for Construction

CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2285 Sheppard Avenue E., Suite 230
North York, On M2J 4T1
(416) 497-2111 Fax (416) 497-7210

| | | |
|----------|-------------------------------------|------------|
| 07 | | |
| 06 | ISSUED FOR TENDER 2016-01-26 | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| 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.
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
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
MAIN BUILDING
MECHANICAL ROOM
HVAC PIPING

drawn by
dessiné par LP

designed by
conçu par LP

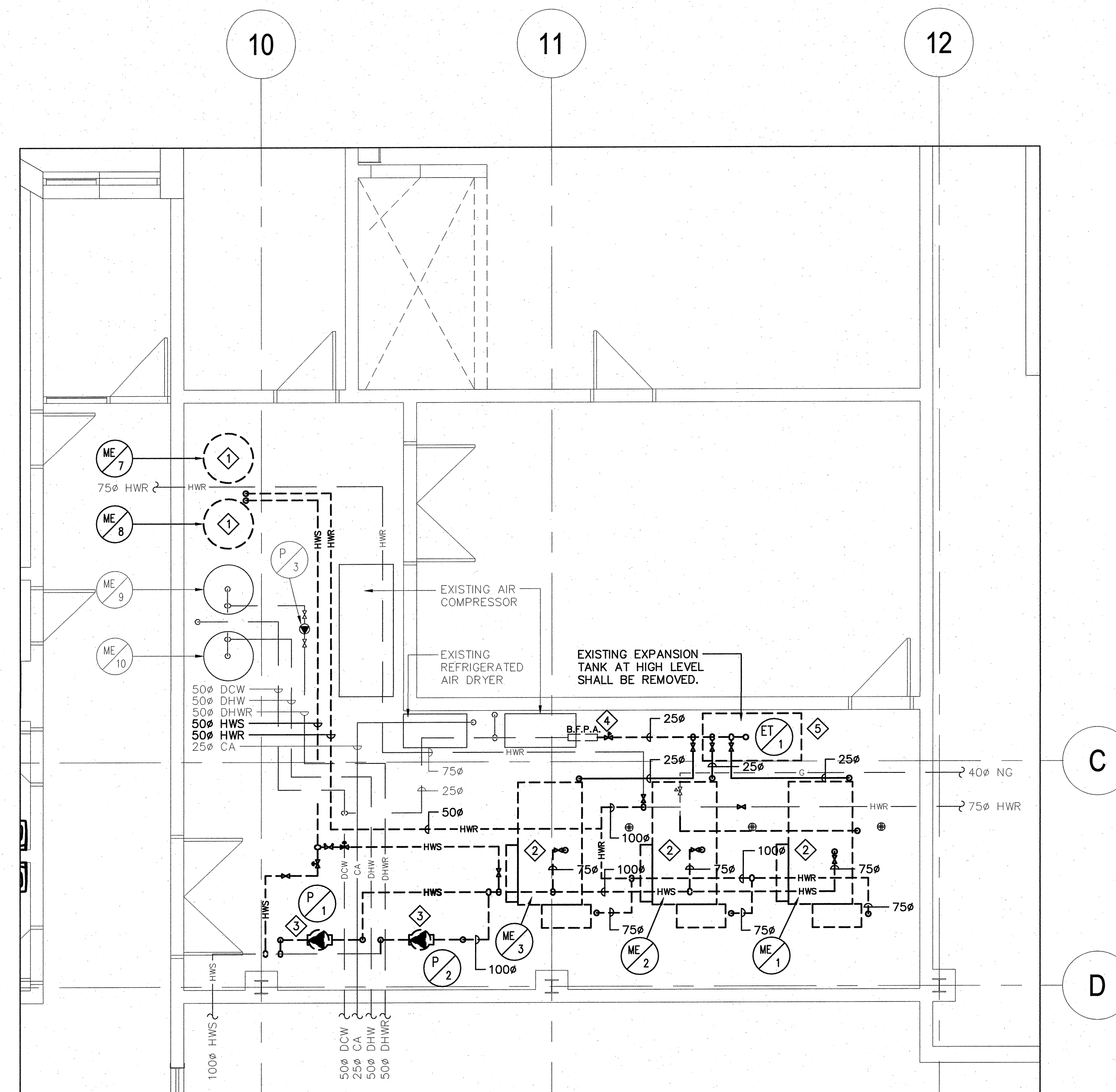
approved by
approuvé par AC

bid
offre J. LEON project manager
administrateur de projets

project date
date du projet 2016-01-26

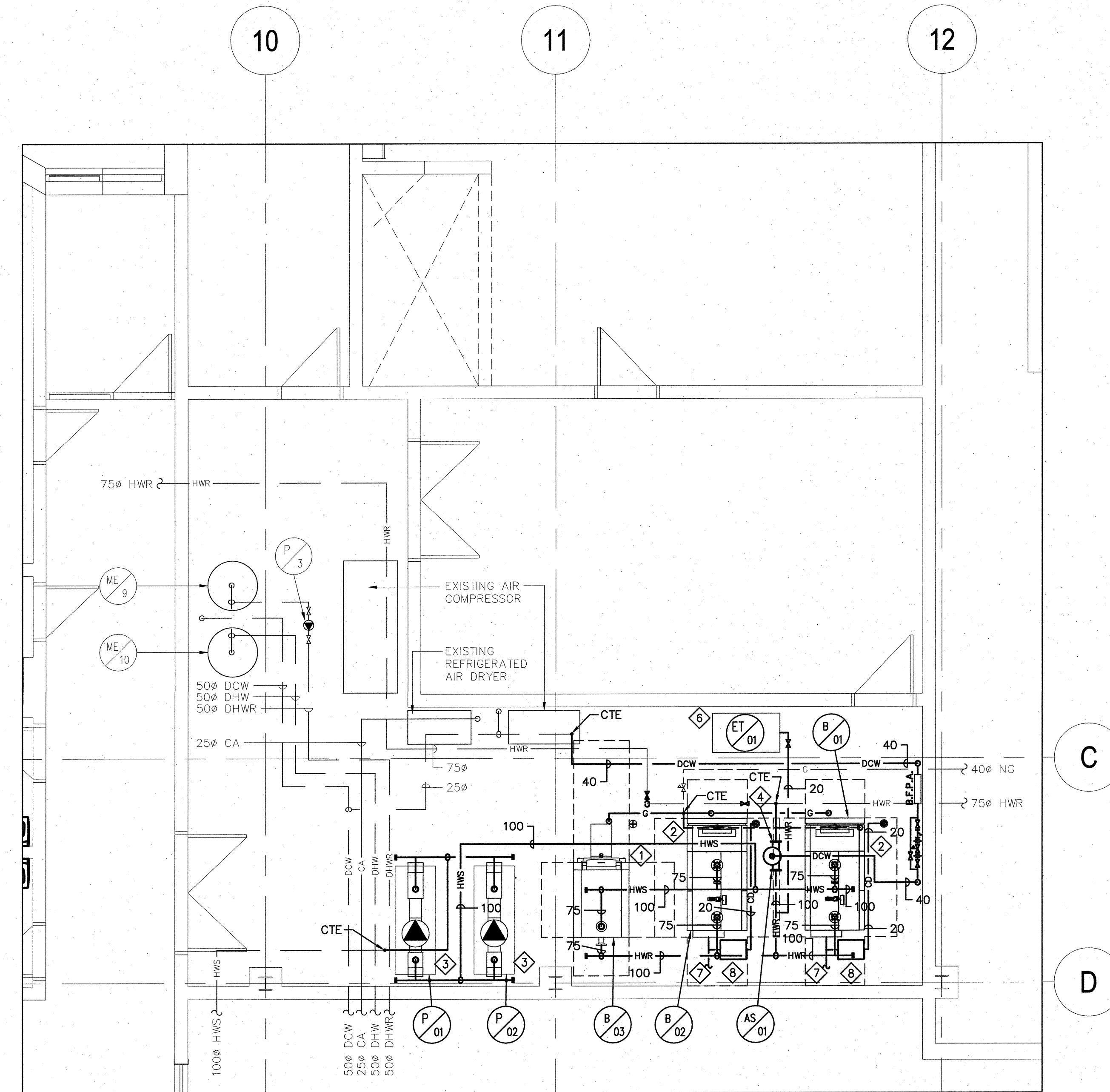
project no.
no. du projet R.064667.004

drawing no.
dessiné no. M-A405



1 GROUND FLOOR BOILER ROOM DEMOLITION
M-A451 1:50

- NOTES:
- 1 REMOVE EXISTING HOT WATER STORAGE TANKS ME-7 AND ME-8.
 - 2 REMOVE EXISTING HOT BOILERS ME-1, ME-2 AND ME-3. THE CONTRACTOR SHALL REMOVE THE BOILERS THROUGH THE DOUBLE DOORS LEADING TO THE CORRIDOR OUTSIDE THE BOILER ROOM. IN ORDER TO REMOVE THE BOILERS FROM THE BUILDING THE CONTRACTOR SHALL USE ONE OF THE WORKSHOP GARAGE DOORS.
 - 3 REMOVE EXISTING PRIMARY HEATING PUMPS P-1 AND P-2. THE MOTORS FROM THESE PUMPS APPEAR TO HAVE BEEN RECENTLY REPLACED. THE MOTORS SHALL BE REMOVED FROM THE PUMP AND TURNED OVER TO THE DEPARTMENTAL REPRESENTATIVE.
 - 4 REMOVE EXISTING BACK FLOW PREVENTER AND PRESSURE REDUCING VALVE ON THE NPCW MAKE-UP WATER SUPPLY TO THE EXISTING BOILERS.
 - 5 REMOVE EXISTING EXPANSION TANK.
 - 6 REFER TO DWG. M-7010 FOR DEMOLITION SCHEMATIC OF BOILER ROOM.



2 GROUND FLOOR BOILER ROOM NEW
M-A451 1:50

- NOTES:
- 1 NEW CAST IRON BOILER.
 - 2 NEW CONDENSING BOILER.
 - 3 NEW VERTICAL INLINE PUMPS.
 - 4 NEW 100MM AIR SEPARATOR.
 - 5 RESERVED.
 - 6 NEW CEILING MOUNTED EXPANSION TANK.
 - 7 CONDENSATE DRAIN LINE FROM EXHAUST FLUE.
 - 8 NEW NEUTRALIZATION SYSTEM FOR CONDENSATION COLLECTION FROM BOILER FLUES.
 - 9 PROVIDE NEW 100mm HIGH CONCRETE HOUSE KEEPING PAD FOR NEW BOILERS. WORK BY CONTRACTOR.
 - 10 PROVIDE NEW 100mm HIGH CONCRETE HOUSE KEEPING PAD FOR NEW PUMPS P-1 & P-2. WORK BY CONTRACTOR.
 - 11 LOCATE CONCRETE PADS AND BOILERS TO MAINTAIN MANUFACTURERS SPECIFIED CLEARANCES FOR SERVING.
 - 12 PATCH, CLEAN AND RE-PAINT BOILER ROOM FLOOR WITH EPOXY. WORK BY CONTRACTOR.
 - 13 REFER TO DWG. M-701 FOR BOILER ROOM SCHEMATIC.
 - 14 GAS VENT PIPING FROM BOILERS SHALL BE ROUTED THROUGH ROOF AND LOCATED 4500mm FROM COMBUSTION AIR INLET.
 - 15 NEW BOILERS SHALL BE BROUGHT INTO THE BUILDING THROUGH ONE OF THE GARAGE DOORS IN THE SHOP AREA. ONCE INSIDE THE BUILDING THE SERVICE SHOP CORRIDOR AND DOUBLE DOORS TO THE BOILER ROOM SHALL BE UTILIZED TO MOVE THE BOILERS INTO THE BOILER ROOM.



| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW 2014.08.14 |

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

| A | Detail No. 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
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
**MAIN BUILDING
BOILER ROOM
HVAC PIPING**

drawn by
dessiné par LP

designed by
conçu par LP

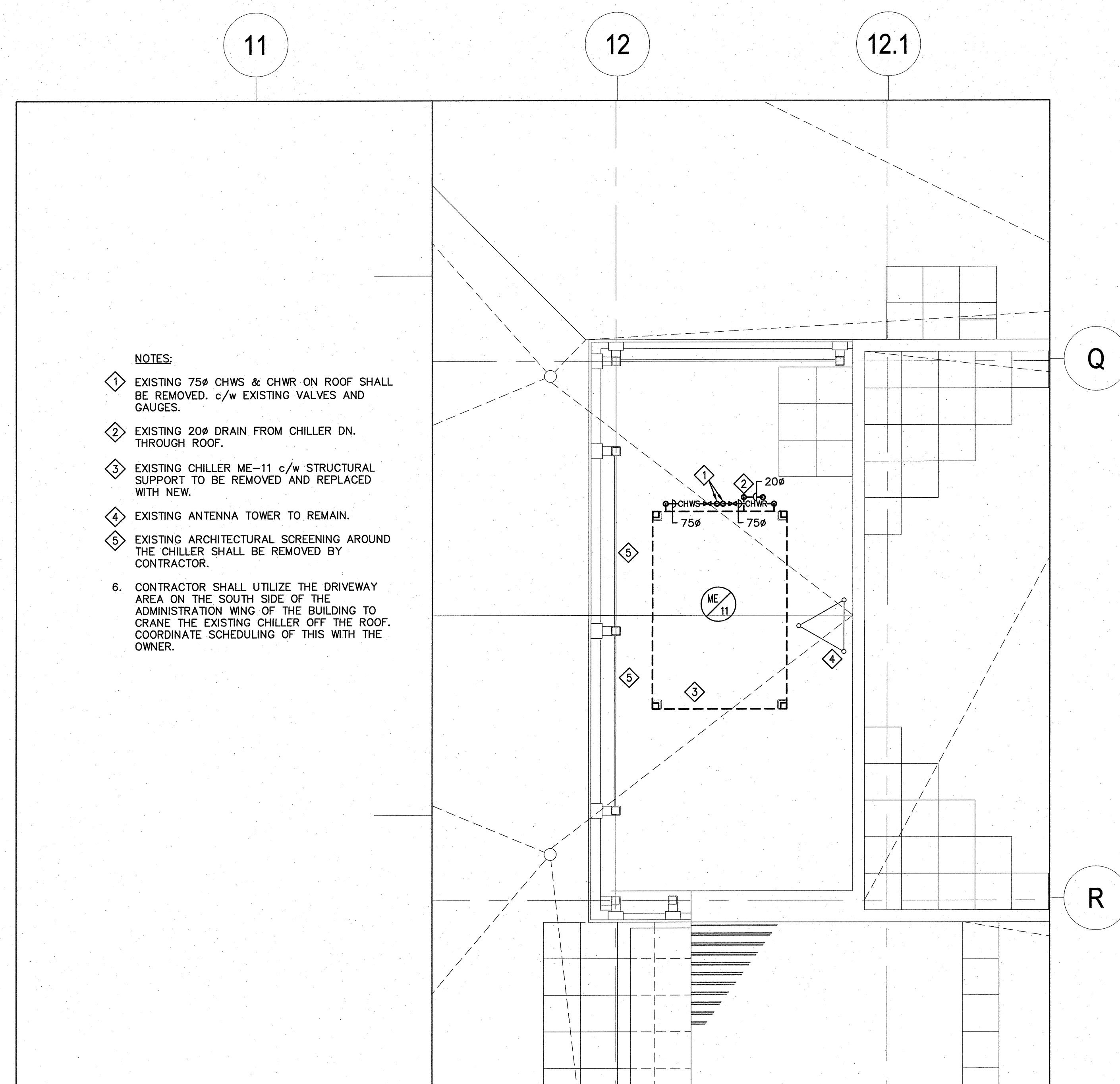
approved by
approuvé par AC

sig
signature J. LEON project manager
administrateur de projets

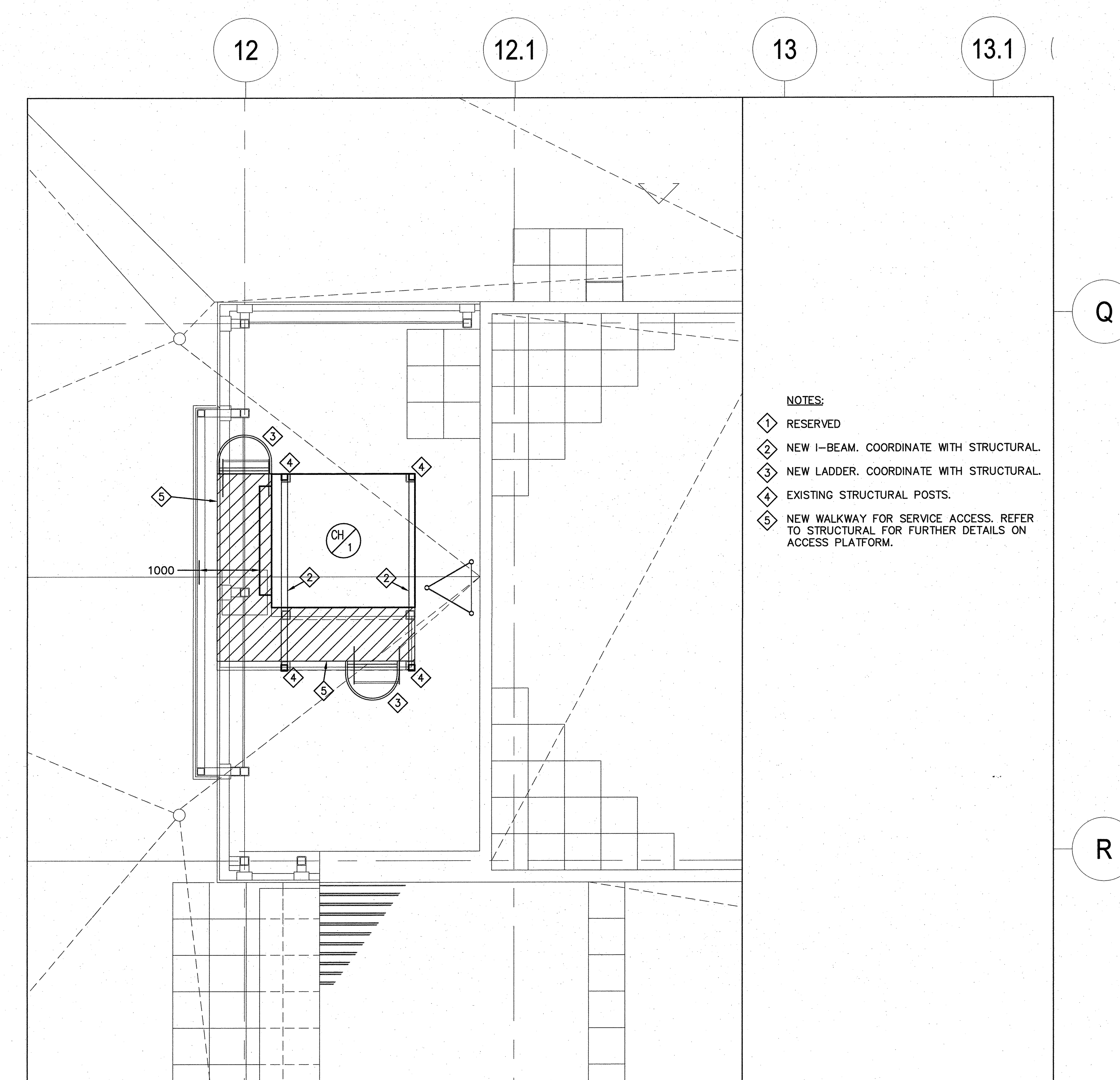
project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

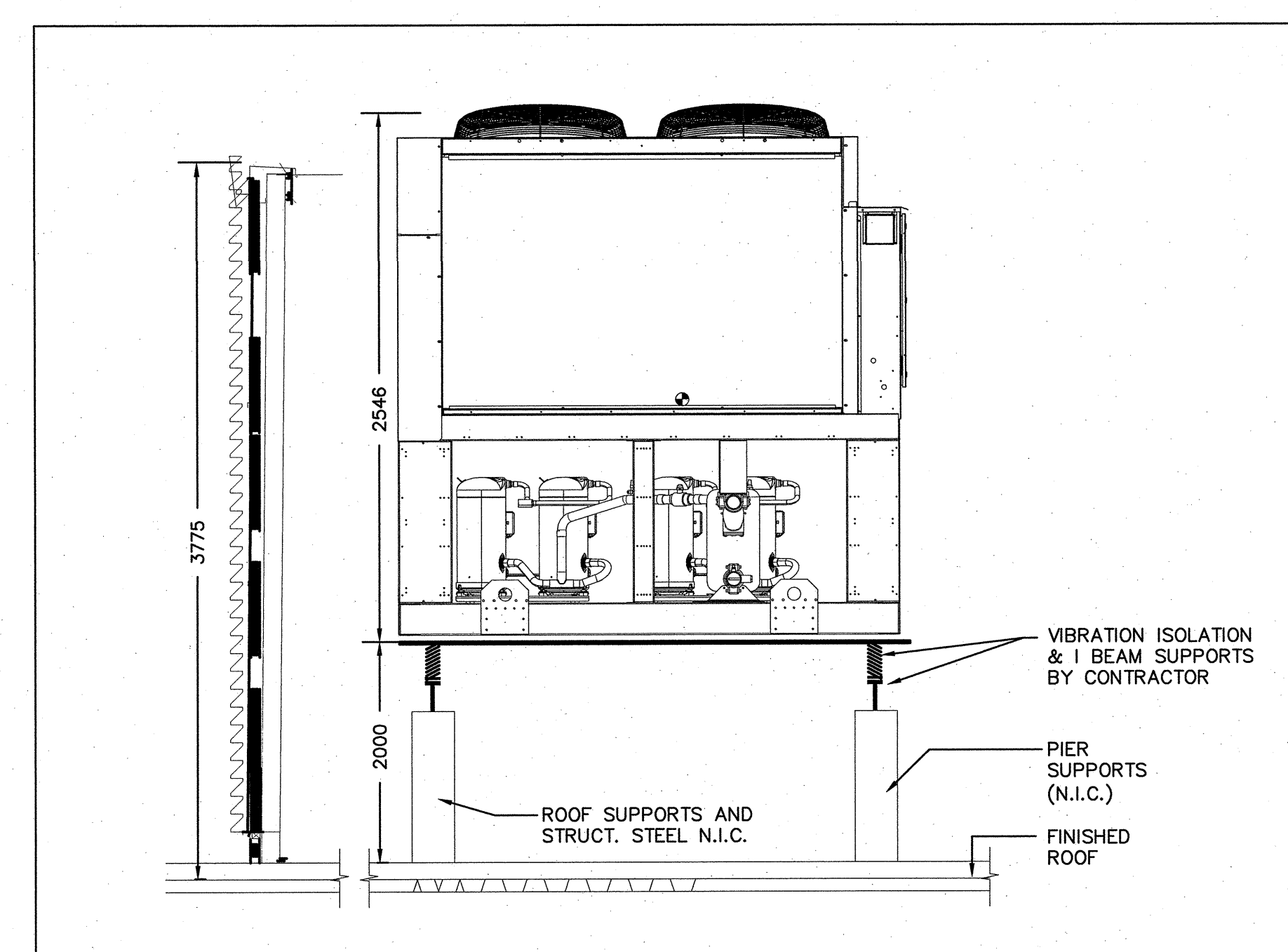
drawing no.
dessin no. M-A451



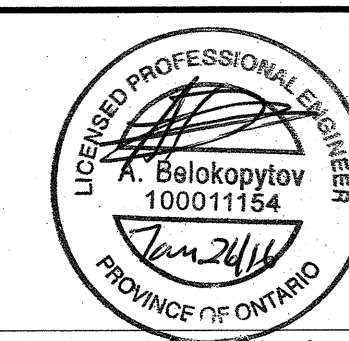
1 ROOF PLAN - CHILLER DEMOLITION
N-A452 1:50



2 ROOF PLAN - CHILLER NEW
N-A452 1:50



3 COOLING TOWER ROOF SUPPORT DETAIL
N-A452 N.T.S.



| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.08 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW 2014.06.14 |

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

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

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B3
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
MAIN BUILDING
ROOF PLAN
HVAC PIPING

drawn by
dessiné par LP

designed by
conçue par LP

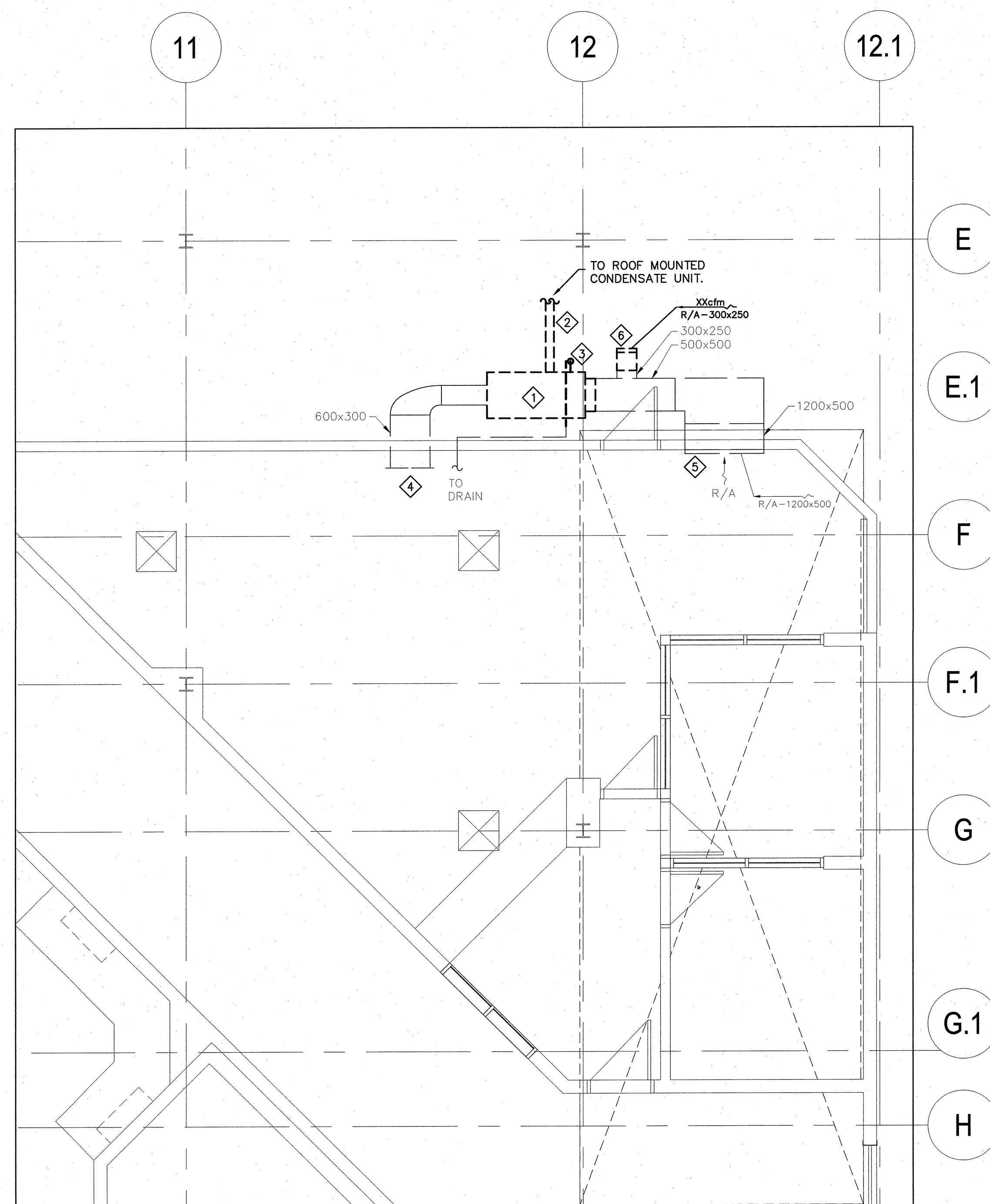
approved by
approuvé par AC

bid
offre J. LEECH project manager
administrateur de projets

project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

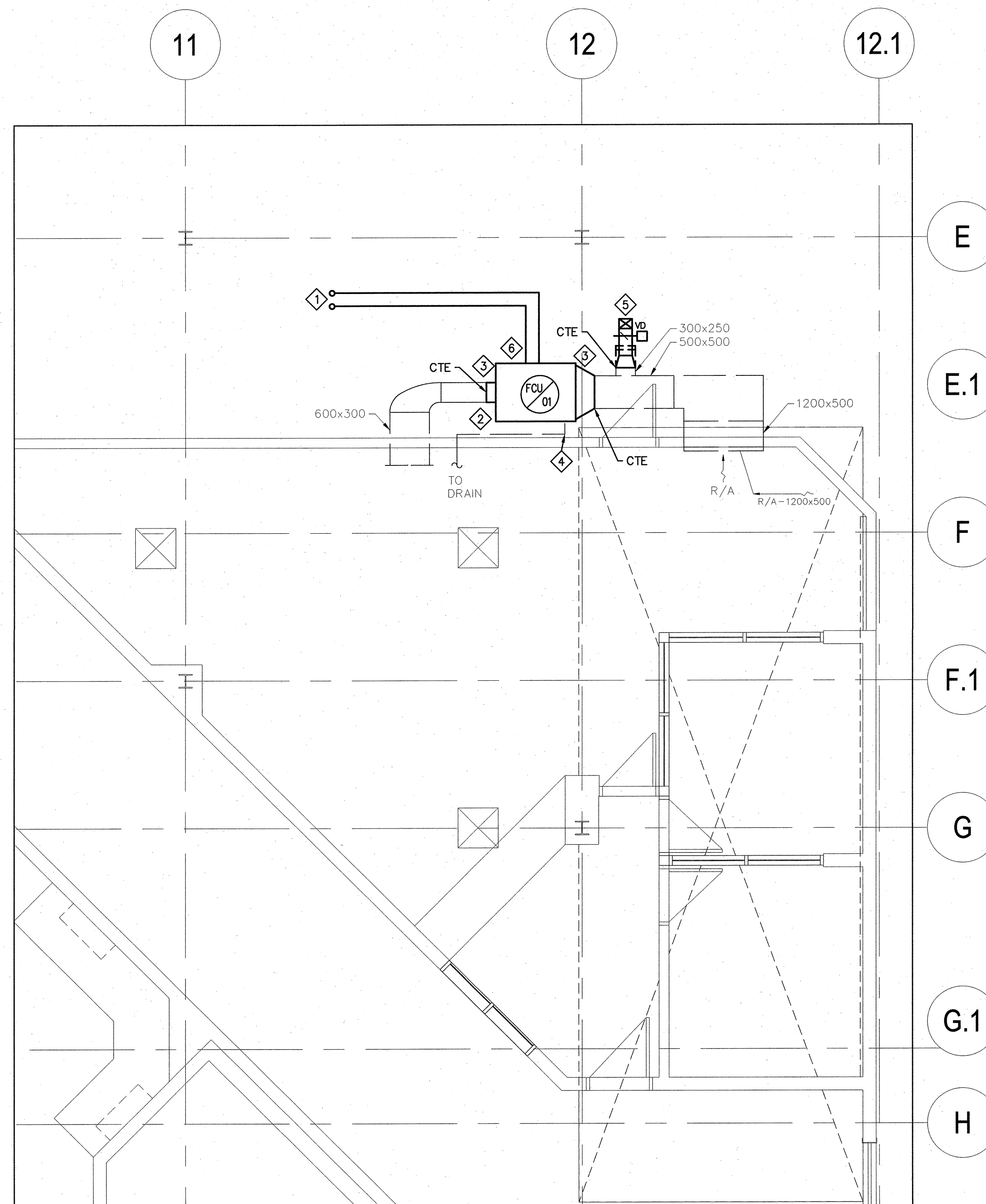
drawing no.
dessiné no. N-A452



1 CENTRAL STORES AHU UNIT DEMOLITION
M-A501 1:50

NOTES:

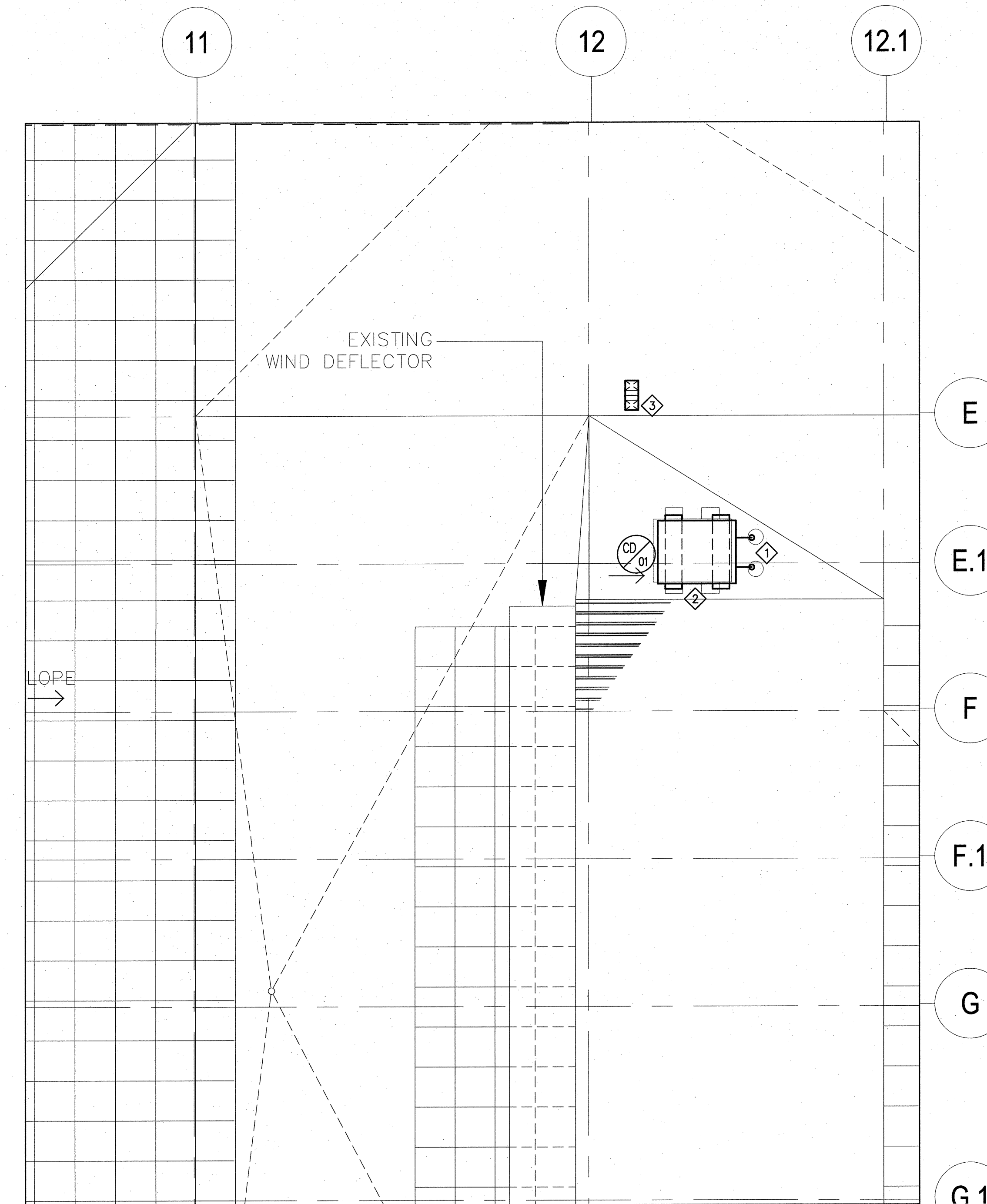
- 1 EXISTING AHU SERVING THE CENTRAL STORES SHALL BE REMOVED.
- 2 EXISTING REFRIGERANT LINES CONNECTED TO CONDENSING UNIT ON ROOF SHALL BE REMOVED. CONTRACTOR SHALL MAKE GOOD ROOF.
- 3 EXISTING AHU DRAIN LINE TO BE CUT BACK AND REMOVED.
- 4 EXISTING 600x300 S/A DUCTWORK TO REMAIN, SERVES EXISTING DIFFUSERS IN CENTRAL STORES.
- 5 EXISTING R/A GRILLE TO REMAIN.
- 6 R/A GRILLE SHALL BE REMOVED.



2 CENTRAL STORES AHU UNIT NEW
M-A501 1:50

NOTES:

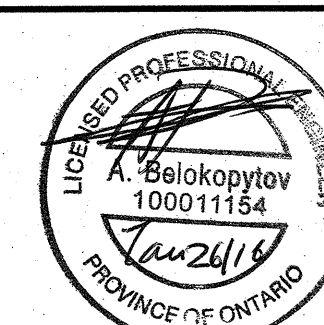
- 1 REFRIGERANT LINES UP THROUGH ROOF TO ROOF MOUNTED CONDENSING UNIT. REFRIGERATION LINES SHALL BE SIZED BY THE CONTRACTOR. CONTRACTOR SHALL MAKE GOOD ROOF.
- 2 NEW AHU SERVING CENTRAL STORES SHALL BE HUNG FROM JOIST ABOVE c/w VIBRATION ISOLATION.
- 3 PROVIDE NEW DUCT TRANSITIONS TO CONNECT TO NEW AHU. PROVIDE FLEXIBLE DUCTWORK CONNECTION AT UNIT CONNECTIONS.
- 4 CONNECT CONDENSATE DRAIN FROM NEW AHU TO EXISTING CONDENSATE LINE.
- 5 300x250 O/A DUCT UP THROUGH THE ROOF COMPLETE WITH VOLUME DAMPER.
- 6 REFER TO DETAIL # 5 ON DWG. M-803 FOR INSTALLATION DETAILS OF THE SUSPENDED FAN COIL.



3 ROOF PLAN CENTRAL STORES CONDENSER
M-A501 1:50

NOTES:

- 1 REFRIGERANT LINES DN. THROUGH ROOF TO AHU IN CENTRAL STORES. REUSE EXISTING OPENING TO RUN NEW PIPING. CONTRACTOR SHALL MAKE GOOD ROOF.
- 2 NEW ROOF MOUNTED CONDENSING UNIT FOR AHU SERVING CENTRAL STORES. CONDENSING UNIT SHALL BE INSTALLED ON SLEEPERS c/w VIBRATION ISOLATION. SLEEPERS ARE TO SPAN THE WIDTH OF THE EXISTING JOISTS.
- 3 300x250 O/A DUCT c/w GOOSENECK AND BIRDSCREEN FROM CENTRAL STORES AHU BELOW. REFER TO DETAIL #9 ON M-802 FOR GOOSENECK DETAIL. ROOFING WORK TO BE DONE BY CONTRACTOR. CONTRACTOR SHALL MAKE GOOD ROOF.



For Bid Purposes Only - Not for Construction

CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2265 Sheppard Avenue, E., Suite E 301
North York, Ont. M2J 4Y1
(416) 497-2111 Fax (416) 497-7210

| | | |
|----------|-------------------------------------|------------|
| 07 | | |
| 06 | ISSUED FOR TENDER 2016-01-26 | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 60% PROGRESS REVIEW | 2014.08.29 |
| 01 | ISSUED FOR 60% PROGRESS REVIEW | 2014.06.14 |
| 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 |
| | desain no. - où détail exigé |
| | drawing no. - where detailed |
| | desain no. - où détaillé |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUWEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
MAIN BUILDING
CENTRAL STORES
HVAC DUCTWORK

drawn by
dessiné par

LP

designed by
conçue par

LP

approved by
approuvé par

AC

bid
offre

JLEON

project manager
administrateur de projets

project date
date du projet

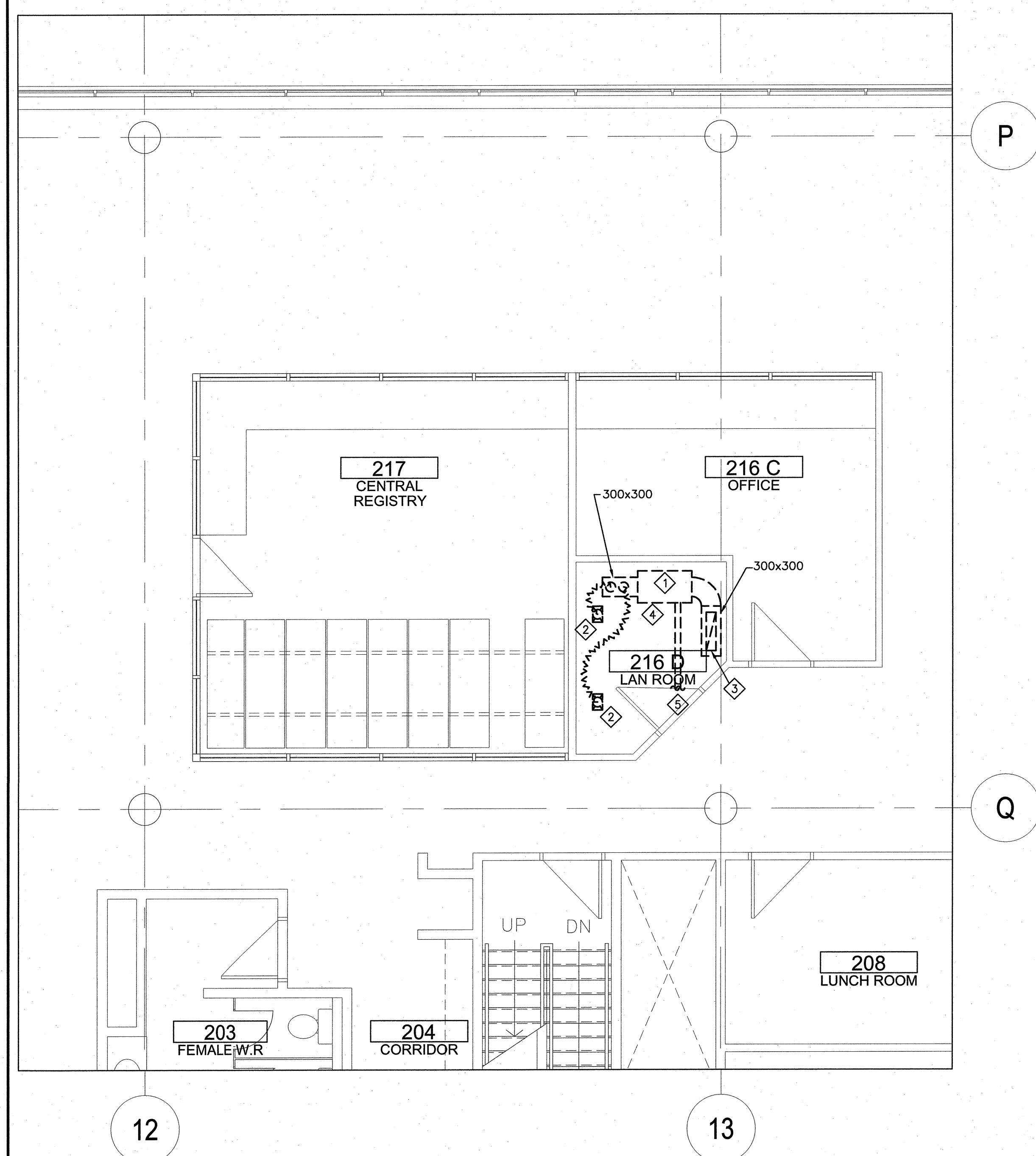
2016-01-26

project no.
no. du projet

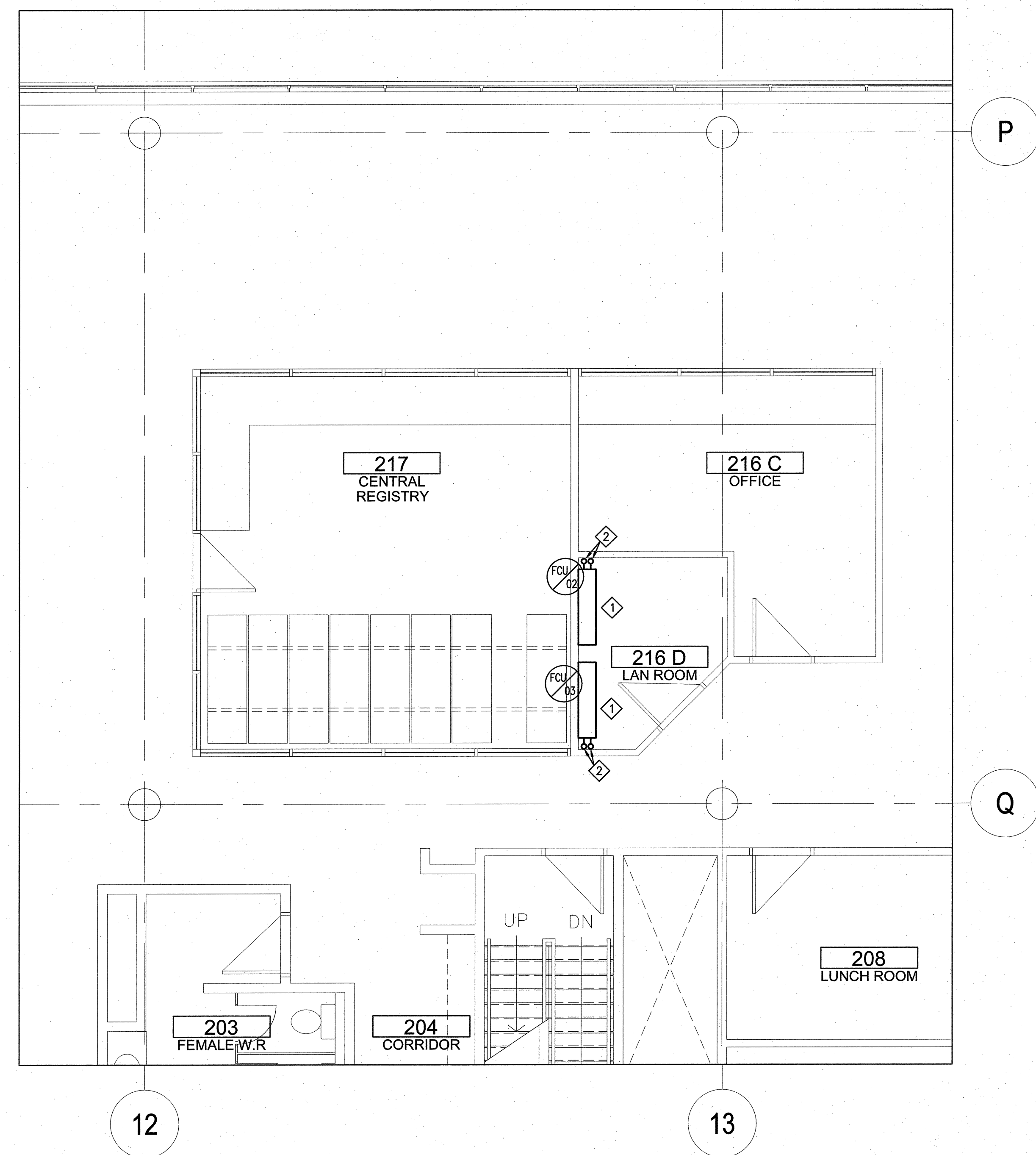
R.064667.004

drawing no.
dessain no.

M-A501

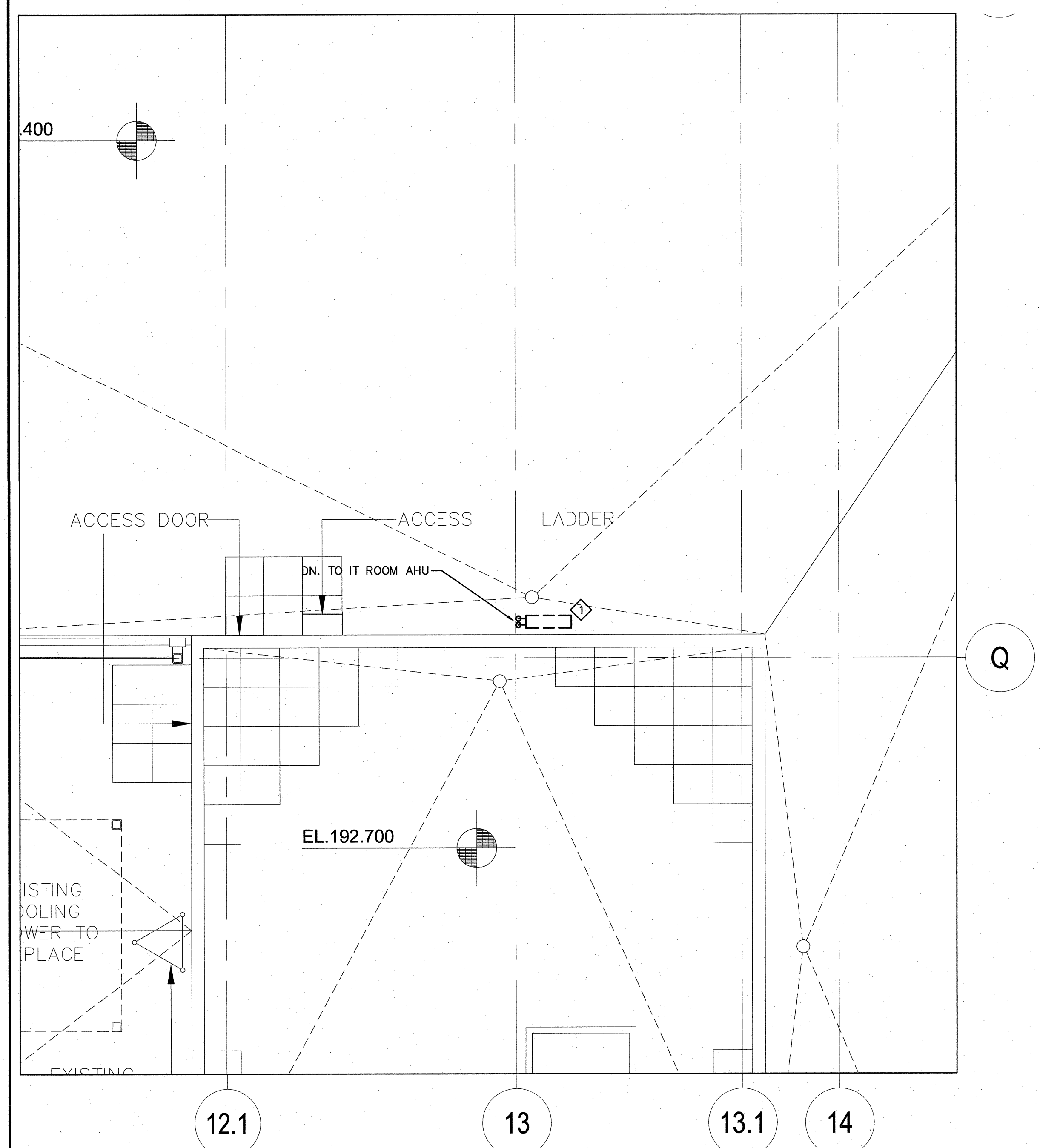


- NOTES:
- ◇ EXISTING IT AHU SHALL BE REMOVED.
 - ◇ EXISTING 250x150 SUPPLY AIR GRILLES AND ASSOCIATED DUCTWORK TO BE REMOVED.
 - ◇ EXISTING 600x150 RETURN AIR GRILLE AND ASSOCIATED DUCTWORK TO BE REMOVED.
 - ◇ EXISTING REFRIGERANT LINES CONNECTED TO CONDENSING UNIT ON ROOF SHALL BE REMOVED.
 - ◇ EXISTING LINES TO ROOF MOUNTED CONDENSING UNIT TO BE REMOVED.



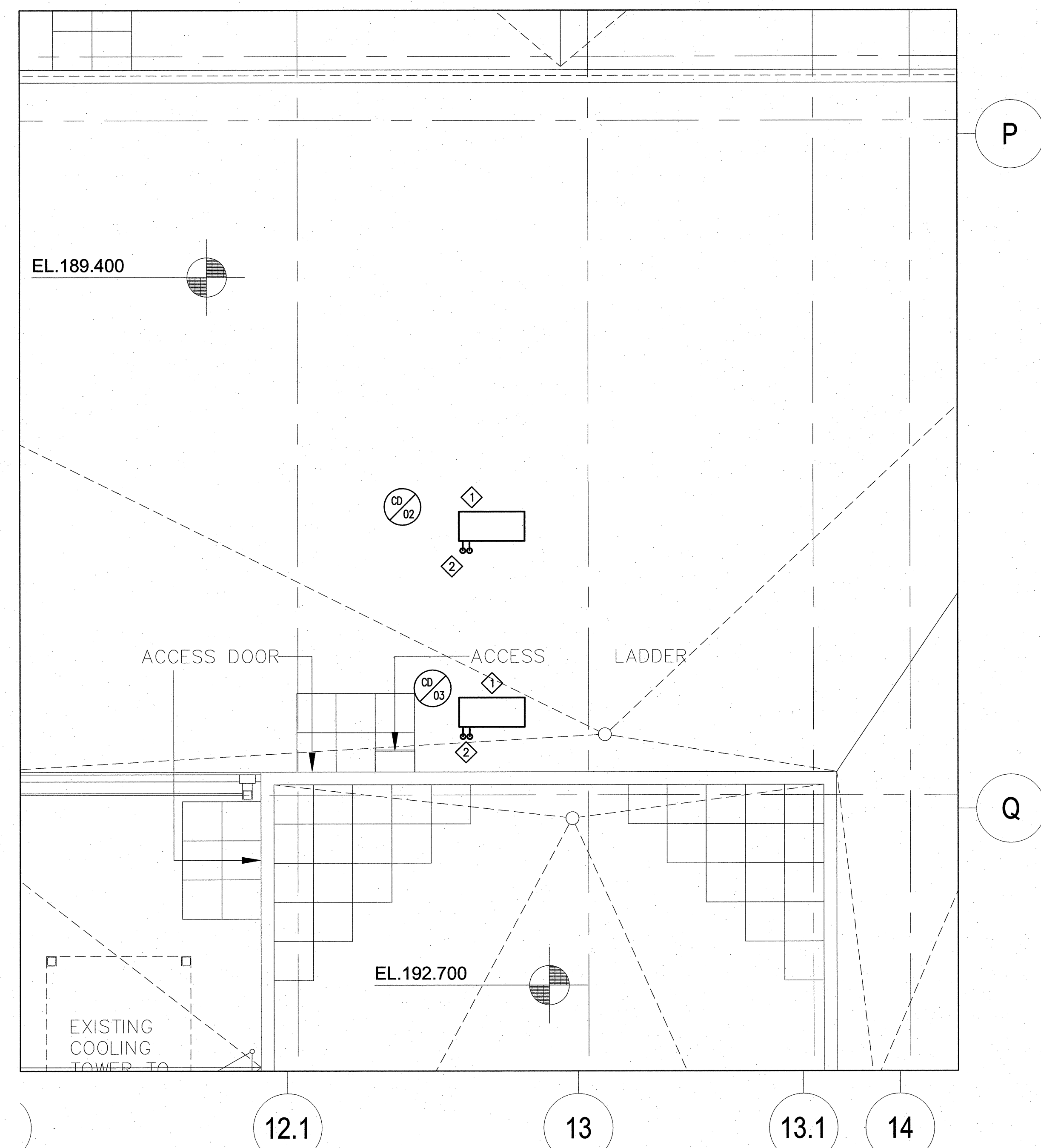
- NOTES:
- ◇ NEW FAN COIL UNIT SHALL BE MOUNTED ON WALL.
 - ◇ REFRIGERANT PIPING UP THROUGH ROOF TO ROOF MOUNTED CONDENSING UNIT.

1 IT ROOM AHU DEMOLITION
M-A502 1:50



- NOTES:
- ◇ EXISTING WALL MOUNTED CONDENSING UNIT AND ASSOCIATED REFRIGERANT PIPING SHALL BE REMOVED. CONTRACTOR SHALL MAKE GOOD ROOF.

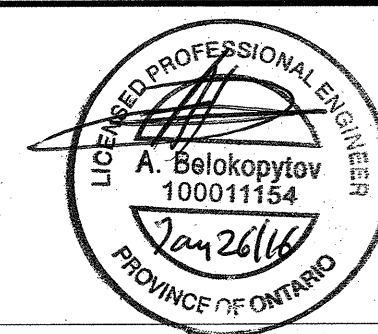
2 IT ROOM AHU NEW
M-A502 1:50



- NOTES:
- ◇ NEW CONDENSING UNIT FOR NEW IT FAN COIL UNIT. UNIT SHALL BE MOUNTED ON SLEEPERS c/w VIBRATION ISOLATION. SLEEPERS ARE TO SPAN THE WIDTH OF THE EXISTING JOISTS.
 - ◇ REFRIGERANT PIPING UP THROUGH ROOF TO ROOF MOUNTED CONDENSING UNIT. MECHANICAL CONTRACTOR SHALL MAKE GOOD ROOF.

3 ROOF LAYOUT DEMOLITION
M-A502 1:50

4 ROOF LAYOUT NEW
M-A502 1:50



| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW 2014.06.14 |

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 |
| | desain no. - où détail exigé |
| | drawing no. - where detailed |
| | desain no. - où détaillé |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBECK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
MAIN BUILDING
IT ROOM
HVAC DUCTWORK

drawn by
dessiné par LP

designed by
conçue par LP

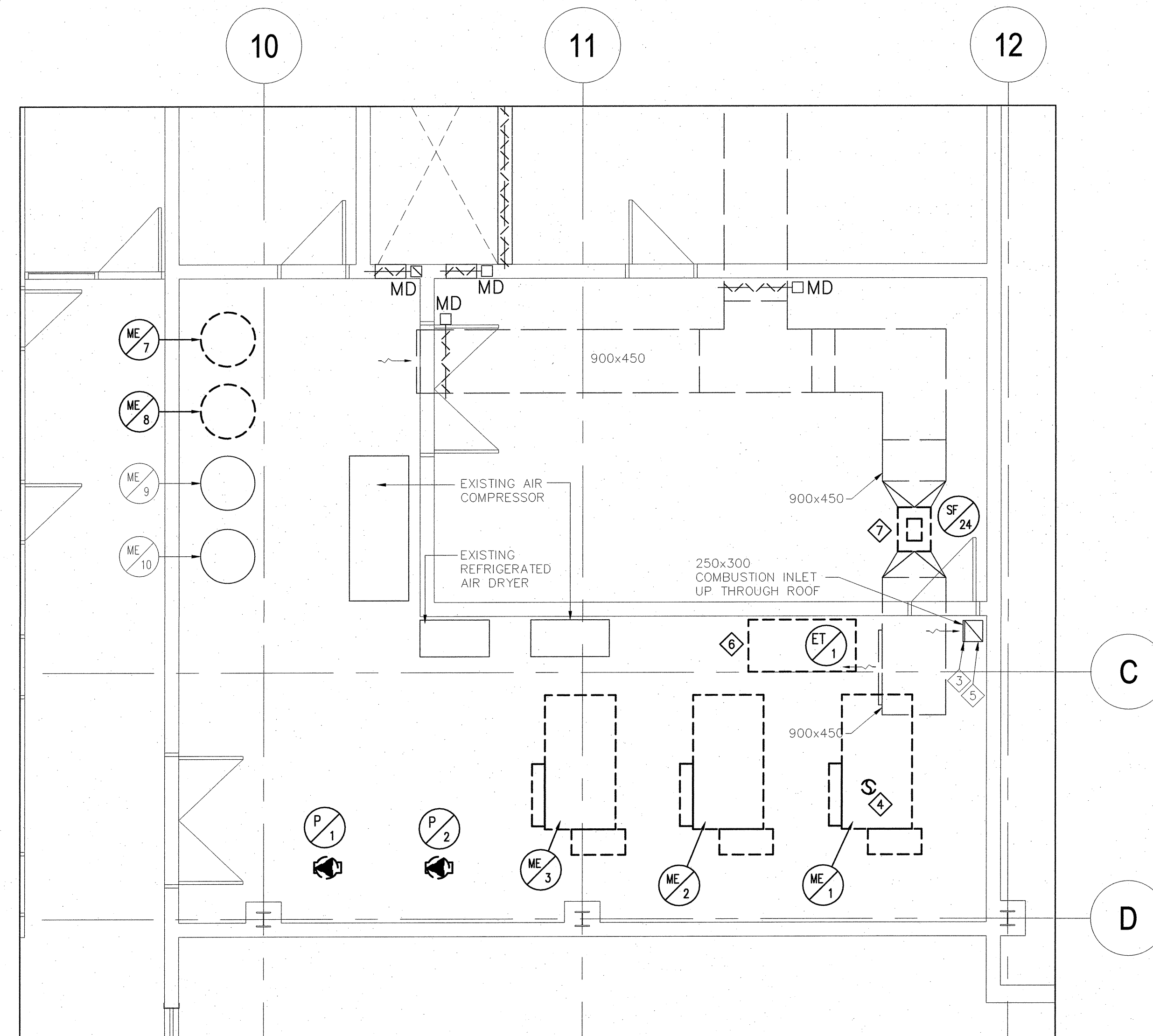
approved by
approuvé par AC

bid
offre JLEON project manager
administrateur de projets

project date
date du projet 2016-01-26

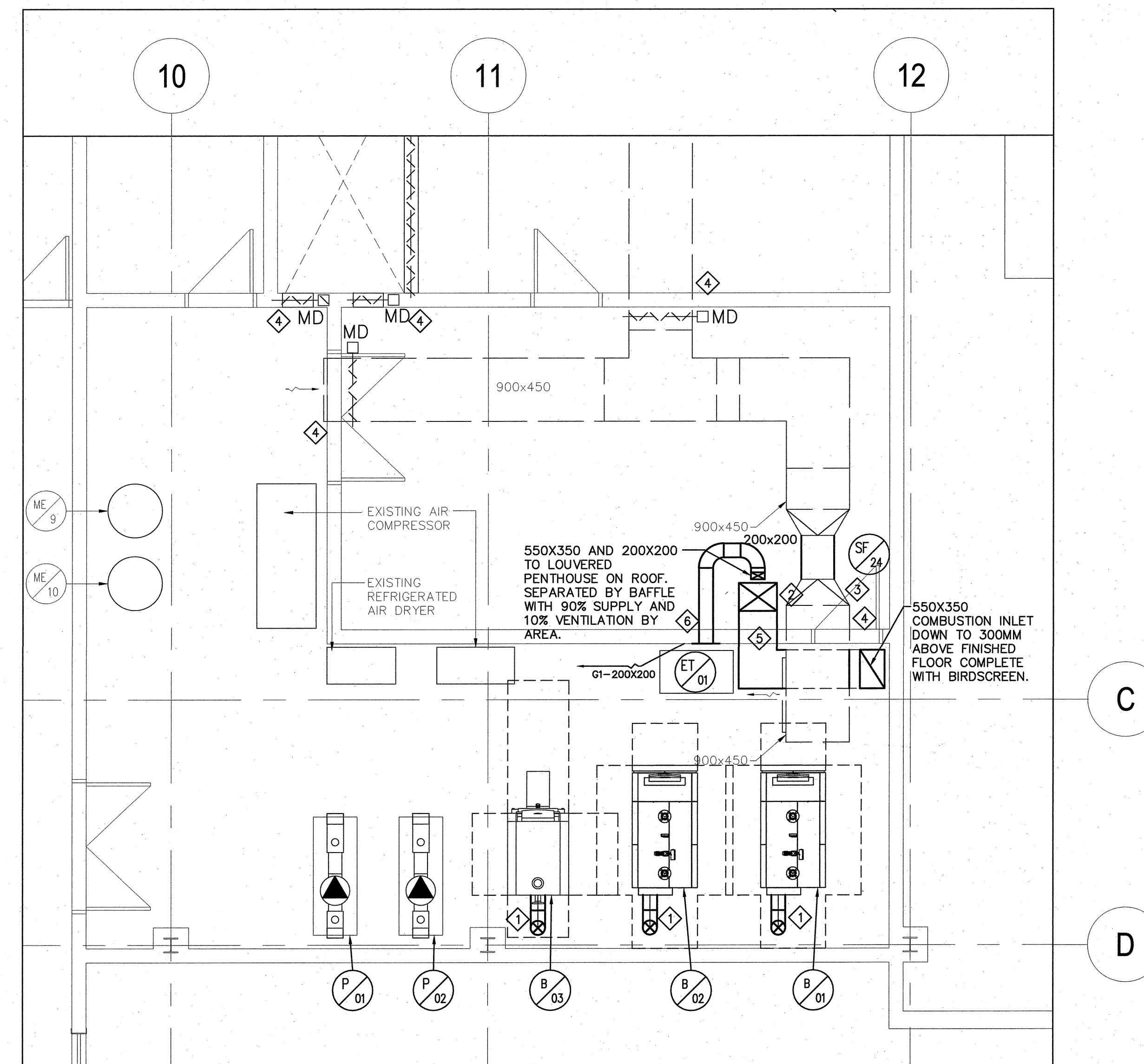
project no.
no. du projet R.064667.004

drawing no.
dessain no. M-A502



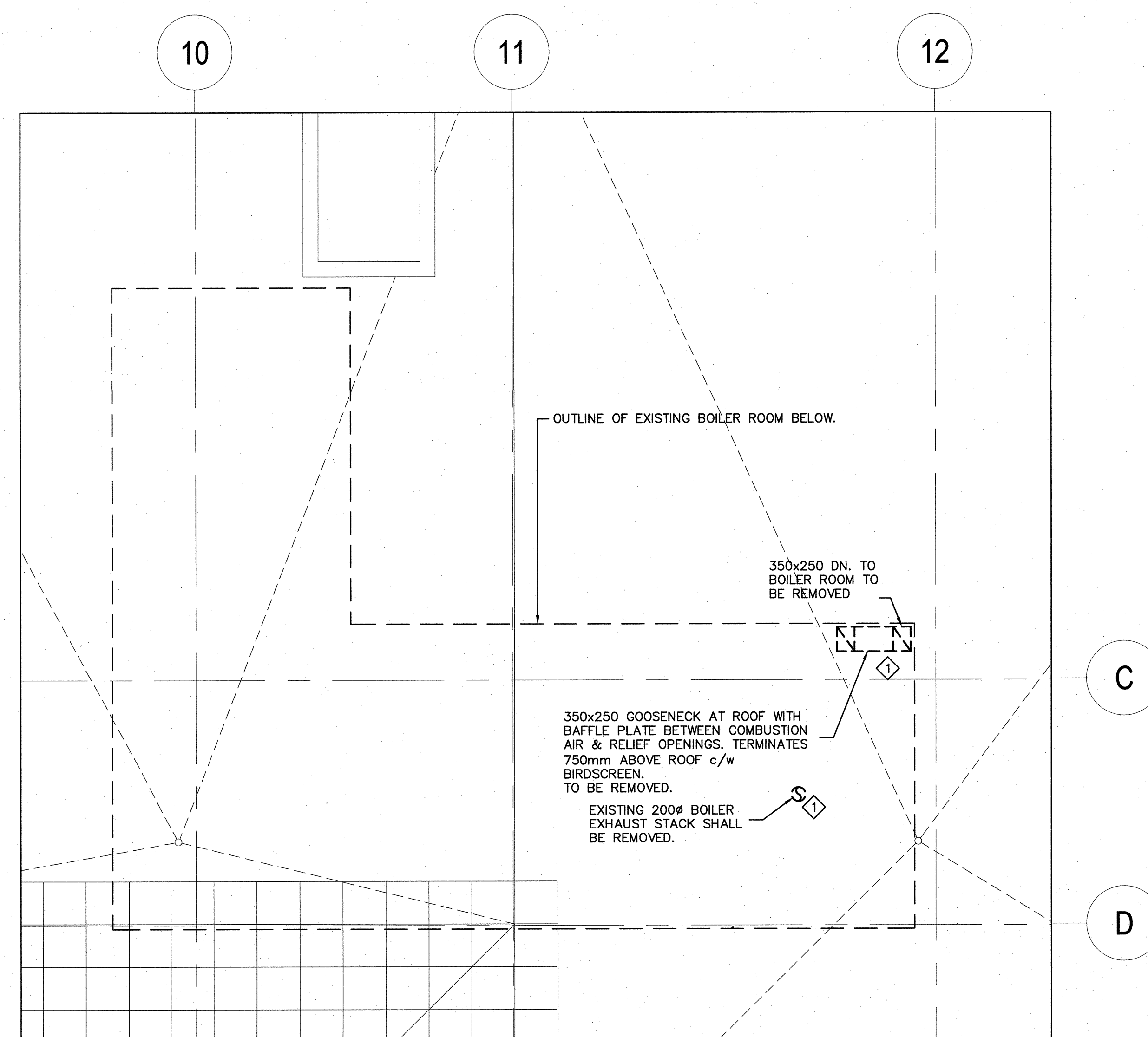
1 GROUND FLOOR BOILER ROOM LAYOUT - DEMOLITION
M-A503 1:50

- NOTES:
- ◇ RESERVED.
 - ◇ RESERVED.
 - ◇ 250x300 DUCT DN. TO LOW LEVEL WITH BIRDSCREEN 450mm AFF.
 - ◇ EXISTING 200# BOILER EXHAUST STACK UP THROUGH ROOF SHALL BE REMOVED.
 - ◇ 50x200 RELIEF OPENING AT ROOF WITH BIRD SCREEN.
 - ◇ EXISTING EXPANSION TANK AT HIGH LEVEL SHALL BE REMOVED.
 - ◇ EXISTING SUPPLY FAN SF-24 SHALL BE REMOVED.



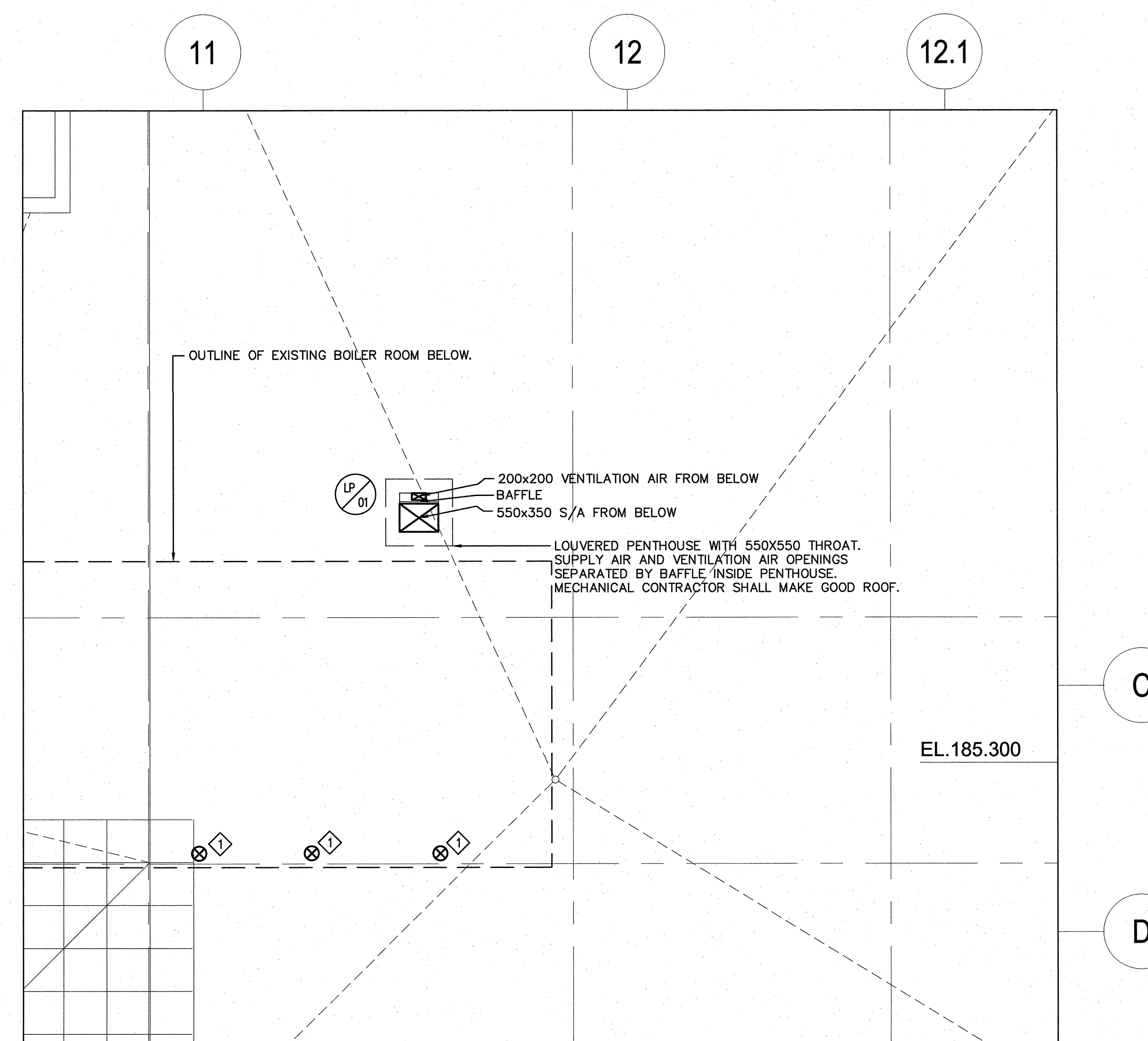
2 GROUND FLOOR BOILER ROOM LAYOUT - NEW DUCTWORK
M-A503 1:50

- NOTES:
- ◇ 200MM BOILER EXHAUST FLUE THROUGH ROOF.
 - ◇ 550x350 G/A DUCT UP TO LOUVERED PENTHOUSE. 200x200 VENTILATION DUCT UP TO LOUVERED PENTHOUSE. PROVIDE BAFFLE BETWEEN DUCT OPENINGS IN LOUVERED PENTHOUSE ON ROOF.
 - ◇ PROVIDE NEW SUPPLY FAN SF-24.
 - ◇ PROVIDE FIRE DAMPERS IN EXISTING 900x450 DUCTWORK IF THEY ARE NOT PRESENT.
 - ◇ NEW 550x350 COMBUSTION AIR DUCT SHALL BE FIRE WRAPPED WHERE IT PASSES THROUGH THE ELECTRICAL ROOM. NEW PENETRATION THROUGH EXISTING ELECTRICAL ROOM BLOCK WALL SHALL BE FIRE STOPPED. THIS FIRE WRAP SHALL BE INCLUDED ON THE PLENUM TO THE LOUVERED PENTHOUSE AS WELL.
 - ◇ NEW 200x200 RELIEF AIR DUCT SHALL BE FIRE WRAPPED WHERE IT PASSES THROUGH THE ELECTRICAL ROOM. NEW PENETRATION THROUGH ELECTRICAL ROOM BLOCK WALL SHALL BE FIRE STOPPED.



3 ROOF PLAN - DEMOLITION
M-A503 1:50

- NOTES:
- ◇ ROOF TO BE PATCHED AND REPAIRED BY CONTRACTOR.



4 ROOF PLAN - NEW DUCTWORK
M-A503 1:50

- NOTES:
- ◇ NEW 200MM PREFABRICATED BOILER FLUE EXHAUST. PROVIDE DOUBLE WALL STACK PER SPECIFICATIONS. REFER TO DETAIL 5 ON M-802 FOR DETAILS. CONTRACTOR SHALL MAKE GOOD ROOF.



| | | |
|----------|-------------------------------------|------------|
| 07 | | |
| 06 | ISSUED FOR TENDER 2016-01-26 | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| 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 |
| C | drawing no. - where detailed |
| C | drawing no. - ou détails |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B3
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

MAIN BUILDING
BOILER ROOM
HVAC DUCTWORK

drawn by
dessiné par LP

designed by
conçu par LP

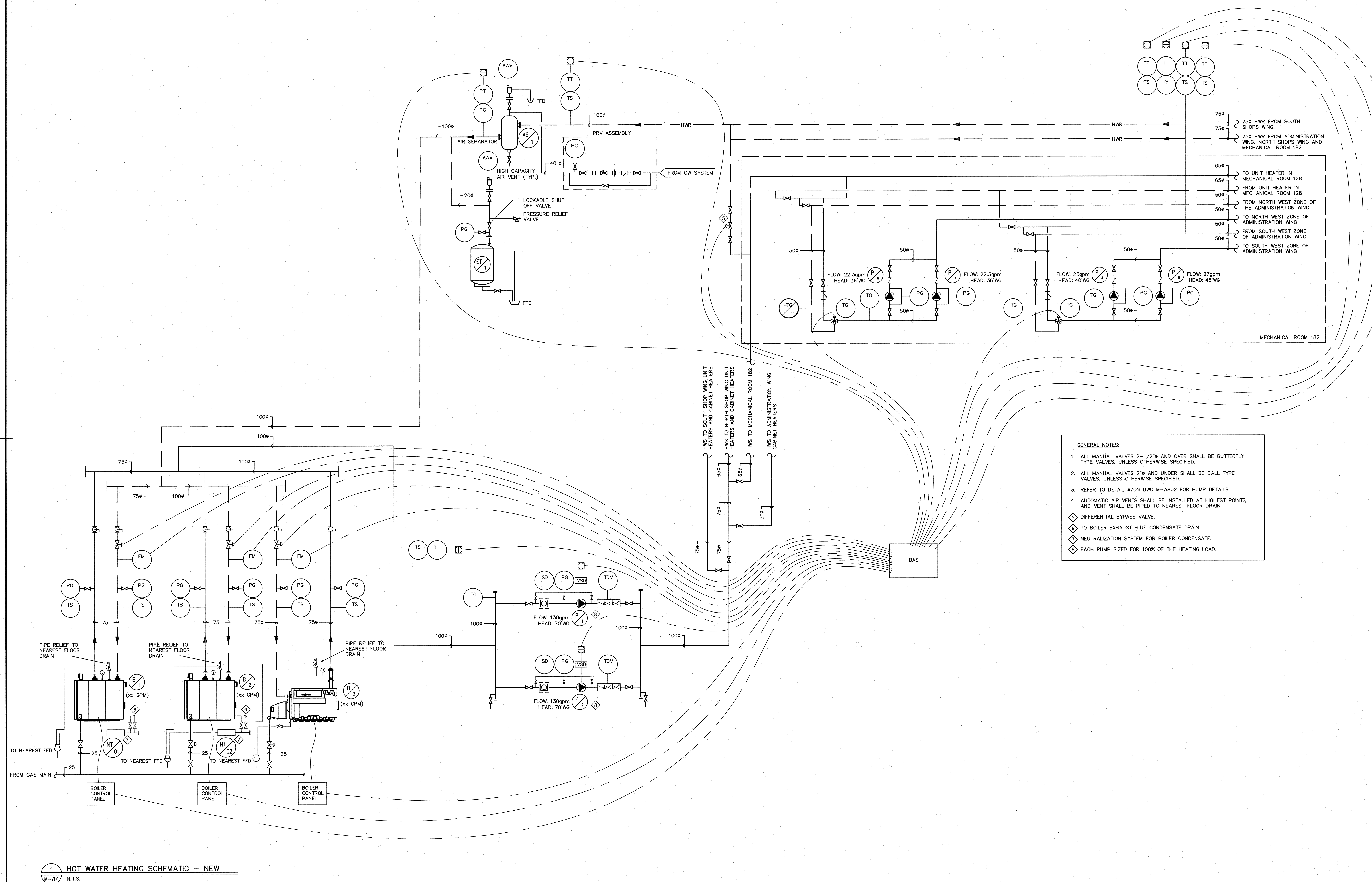
approved by
approuvé par AC

bid
offre J. LEON project manager
administrateur de projets

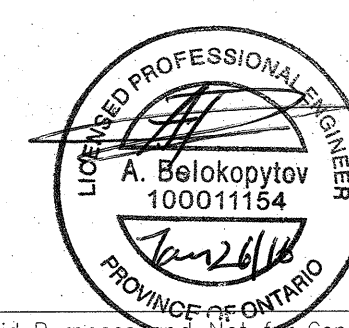
project date
date du projet 2016-01-26

project no.
no. du projet R.064687.004

drawing no.
dessiné no. M-A503



HOT WATER HEATING SCHEMATIC - NEW
 M-701/ N.T.S.



| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 60% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 60% PROGRESS REVIEW 2014.08.14 |

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

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

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
**HOT WATER HEATING
SCHEMATIC - NEW**

drawn by
dessiné par LP

designed by
conçu par LP

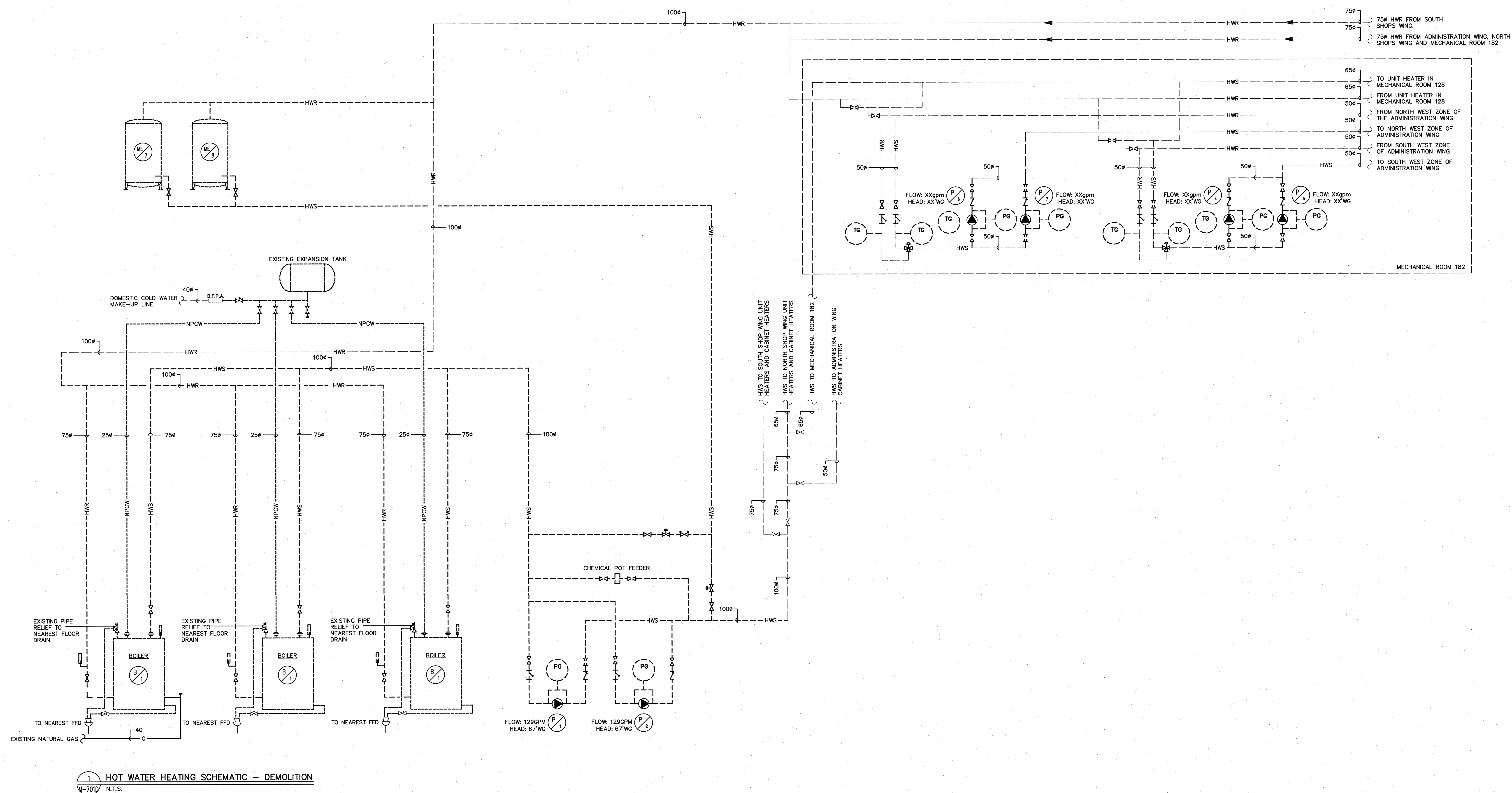
approved by
approuvé par AC

bid
offre JLEON project manager
administrateur de projets

project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

drawing no.
dessiné no. **M-701**



| revision | date |
|----------|--|
| 07 | |
| 06 | ISSUED FOR TENDER 2016-01-26 2016.01.26 |
| 05 | ISSUED FOR TENDER 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A 2014.12.15 |
| 02 | ISSUED FOR 60% PROGRESS REVIEW R 2014.08.29 |
| 01 | ISSUED FOR 60% PROGRESS REVIEW 2014.08.14 |

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

| Detail No. No. du détail | drawing no. - where detail required dessin no. - où détail requis |
|-----------------------------|--|
| A | |
| B | |
| C | |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
**HOT WATER HEATING
SCHEMATIC -
DEMOLITION**

drawn by
dessiné par LP

designed by
conçu par LP

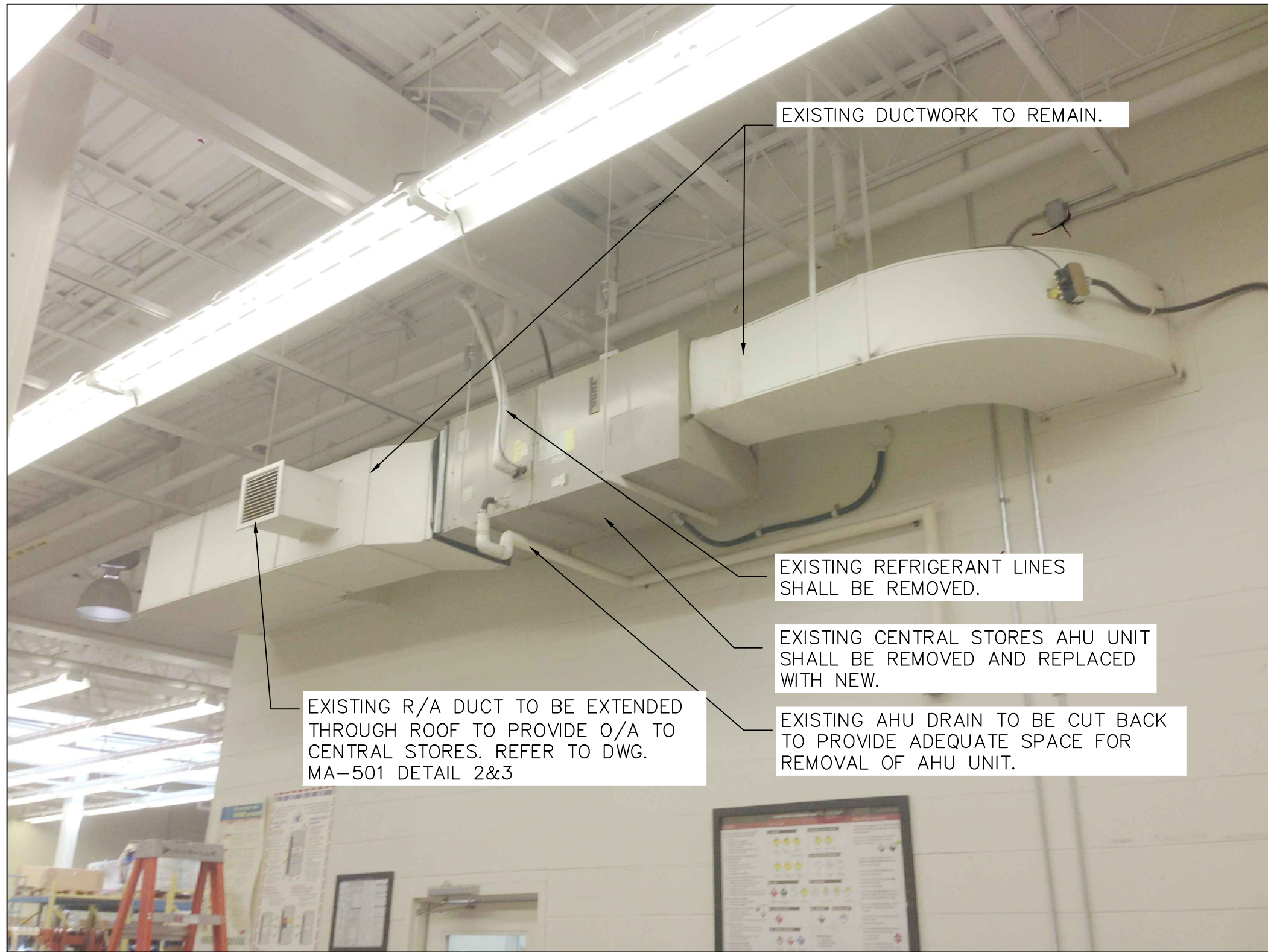
approved by
approuvé par AC

bid
offre JLEON project manager
gestionnaire de projets

project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

drawing no.
dessin no. **M-701D**



1 EXISTING AHU UNIT SHALL BE REMOVED
M-801/ NTS



2 EXISTING R/A GRILLE TO REMAIN
M-801/ NTS



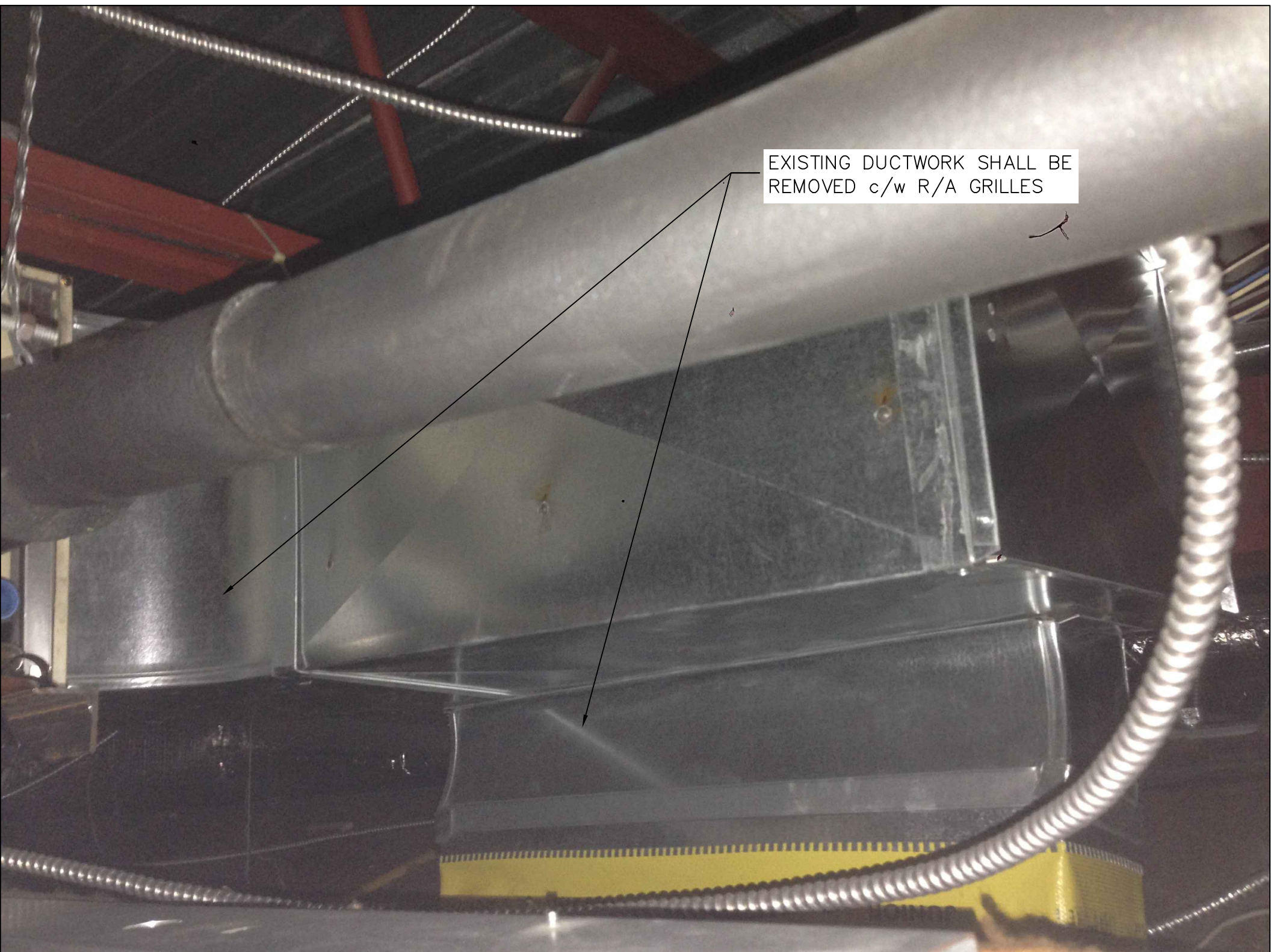
3 EXISTING S/A GRILLES SHALL BE REMOVED
M-801/ NTS



4 EXISTING DUCTWORK SHALL BE REMOVED
M-801/ NTS



5 EXISTING CEILING MOUNTED EXPANSION TANK SHALL BE REMOVED
M-801/ NTS



6 EXISTING DUCTWORK SHALL BE REMOVED
M-801/ NTS



7 EXISTING HEATING PUMPS SHALL BE REMOVED
M-801/ NTS



8 EXISTING HOT WATER BOILERS SHALL BE REMOVED
M-801/ NTS



9 EXISTING A/C UNIT SHALL BE REMOVED
M-801/ NTS



10 EXISTING CHWS/CHWR SHALL BE REMOVED
M-801/ NTS

| | | |
|----------|-------------------------------------|------------|
| 07 | | |
| 06 | ISSUED FOR TENDER 2016-01-26 | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| 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 |
| C | drawing no. - where detailed dessin no. - où détaillé |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
GENERAL
MECHANICAL DETAILS#1

drawn by
dessiné par LP

designed by
conc par LP

approved by
approuvé par AC

bid
offre JLEON

project manager
administrateur de projets

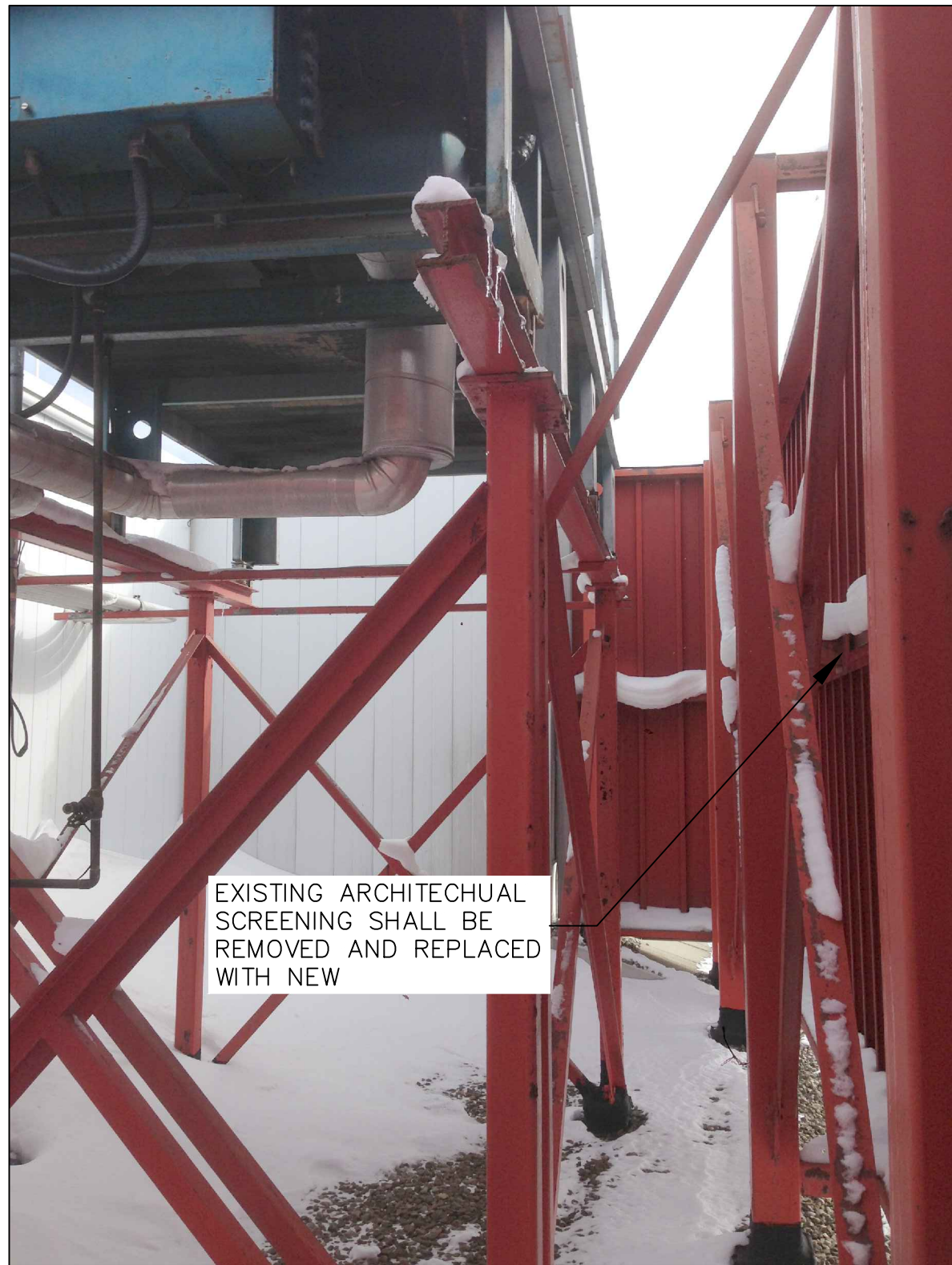
project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

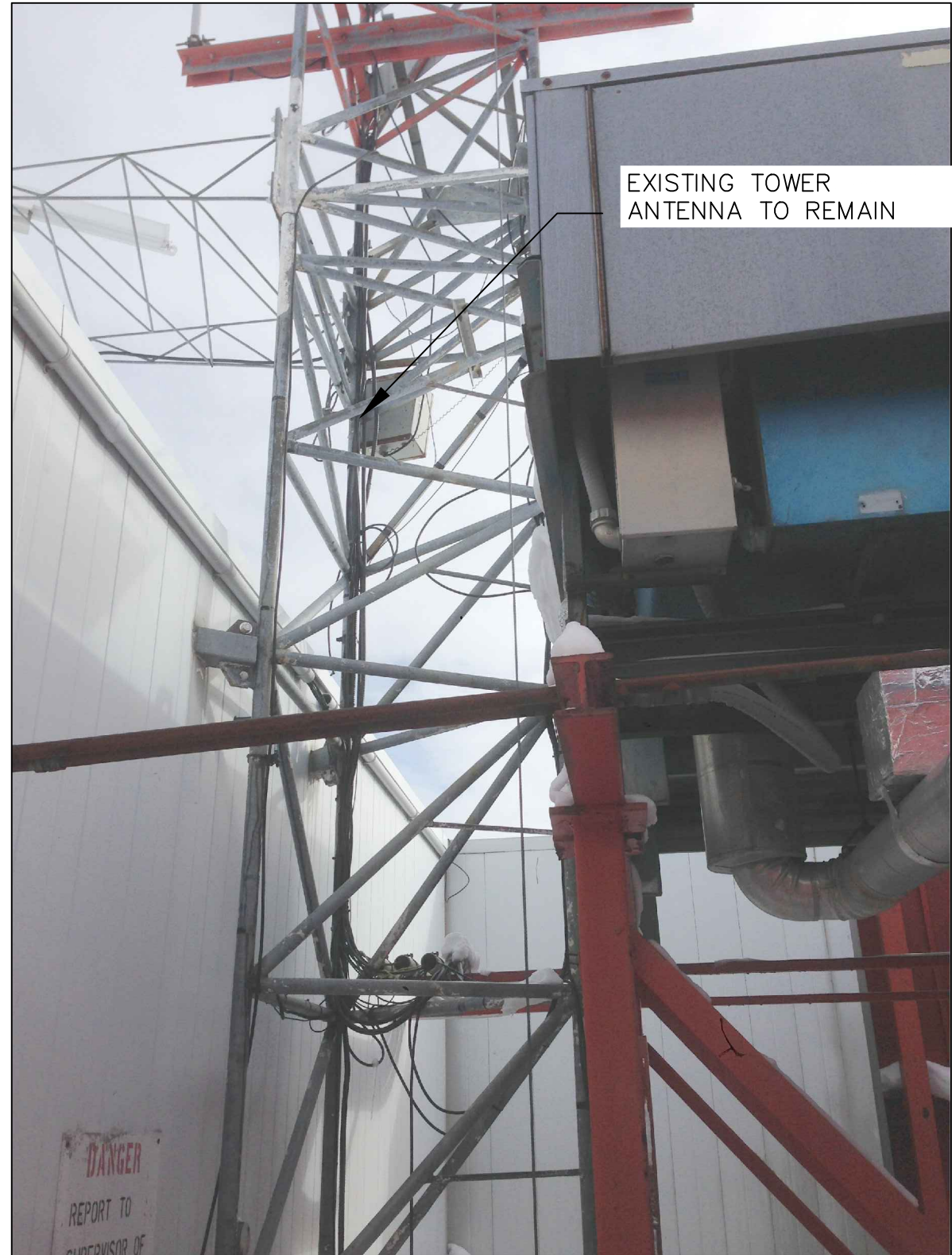
drawing no.
dessiné no. M-801



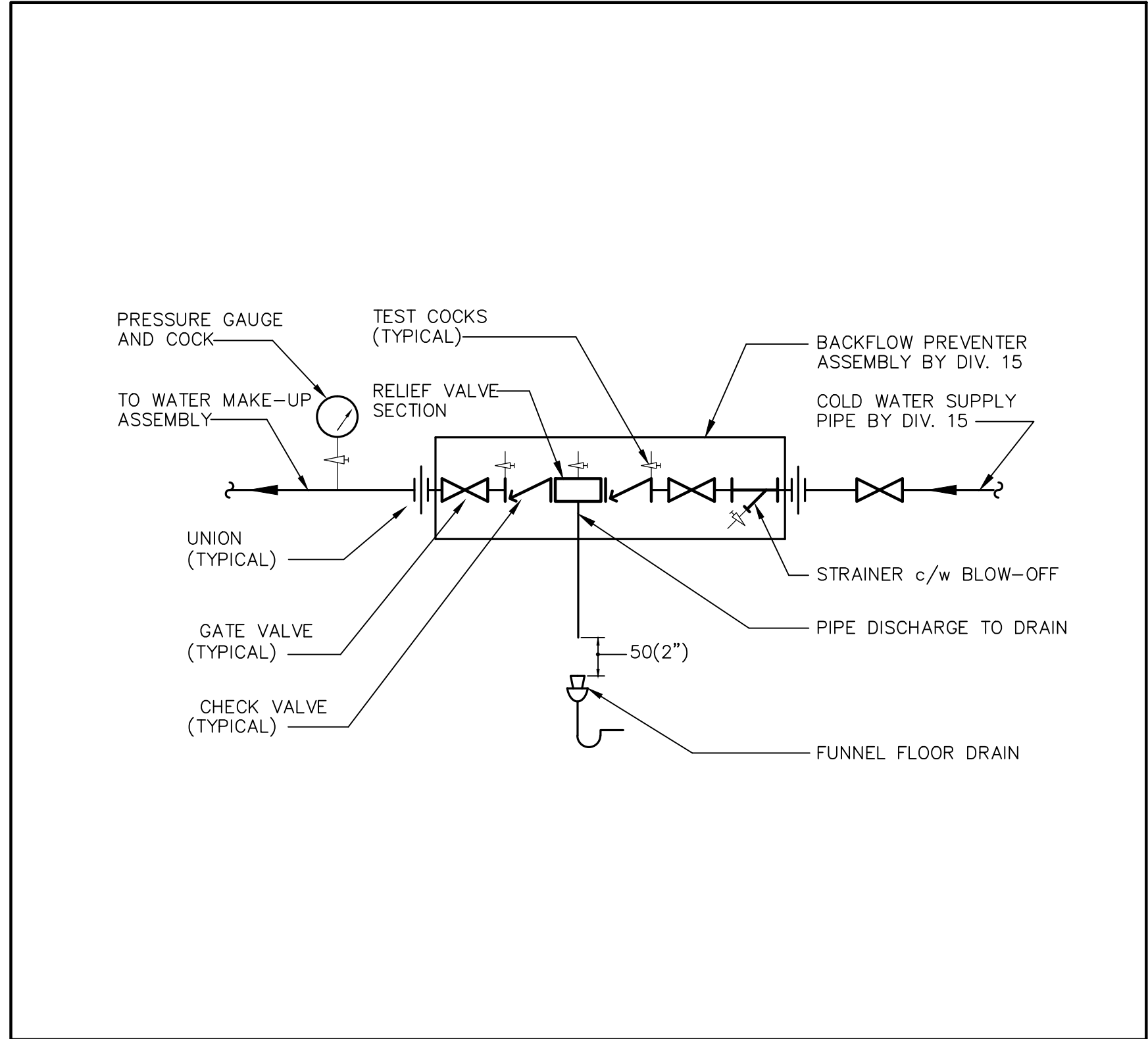
1 EXISTING CHILLER AND STRUCTURAL SUPPORT SHALL BE REMOVED
M-802 NTS



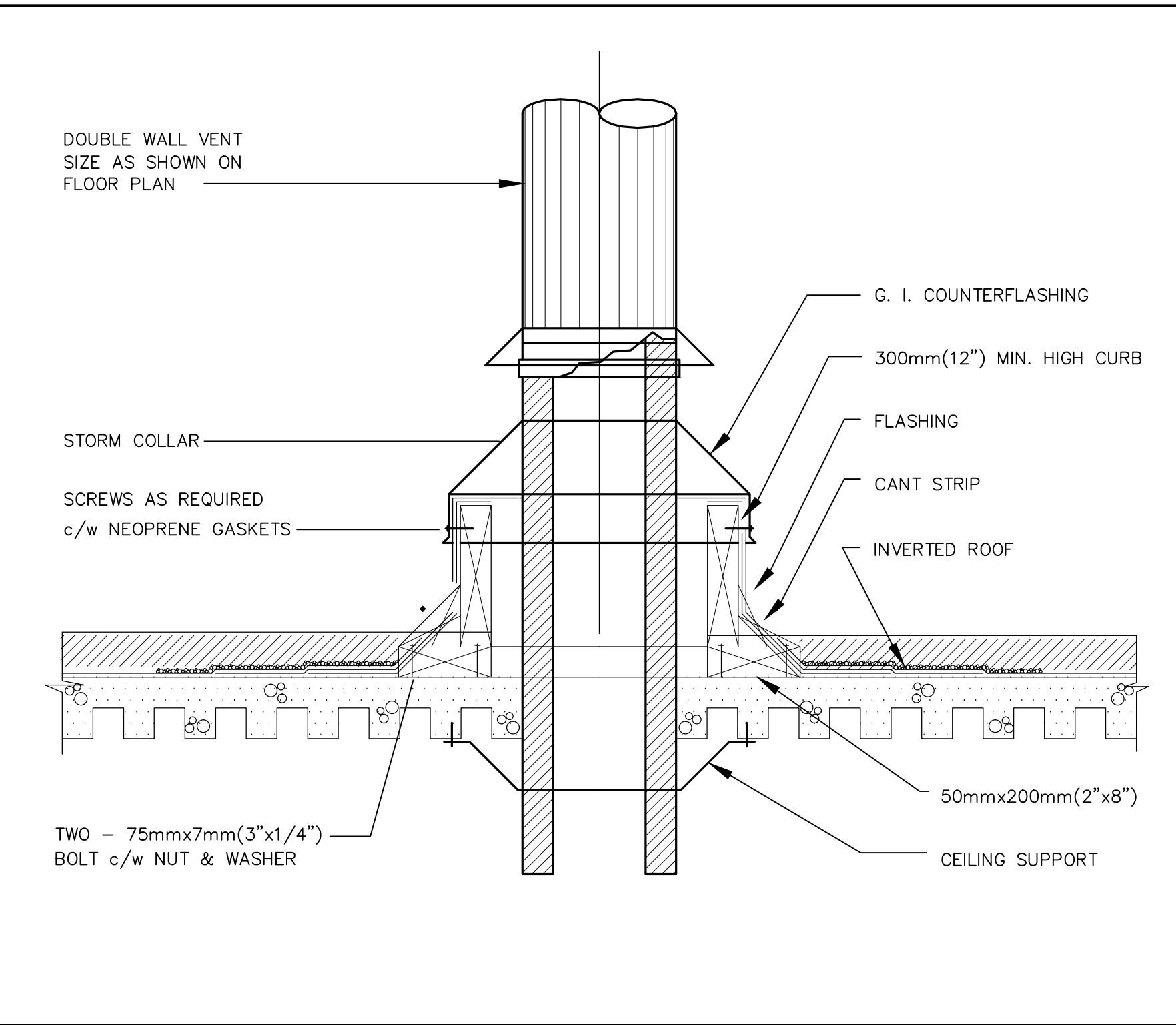
2 EXISTING ROOF SCREENING SHALL BE REMOVED
M-802 NTS



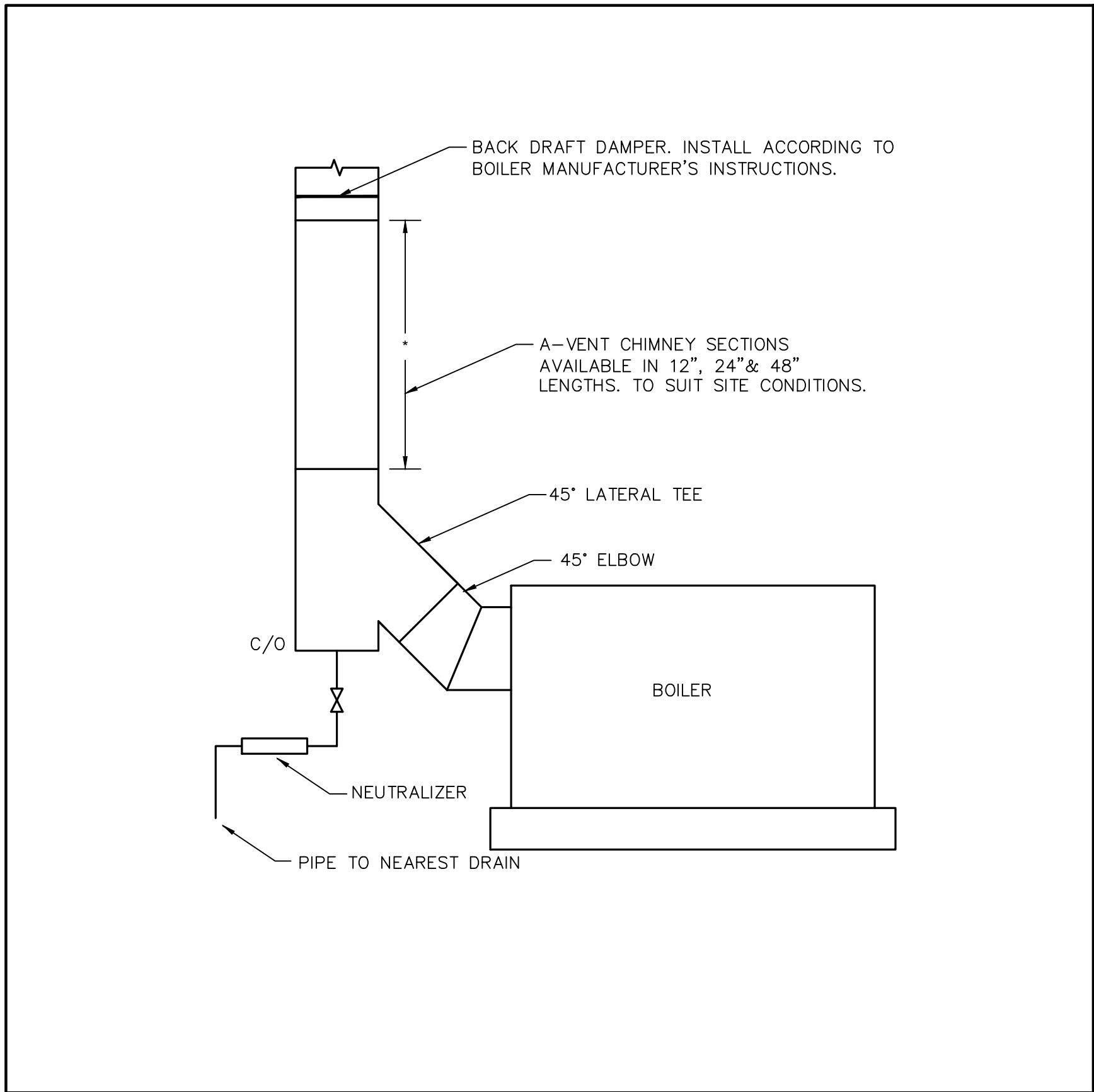
3 EXISTING TOWER ANTENNA TO REAMIN
M-802 NTS



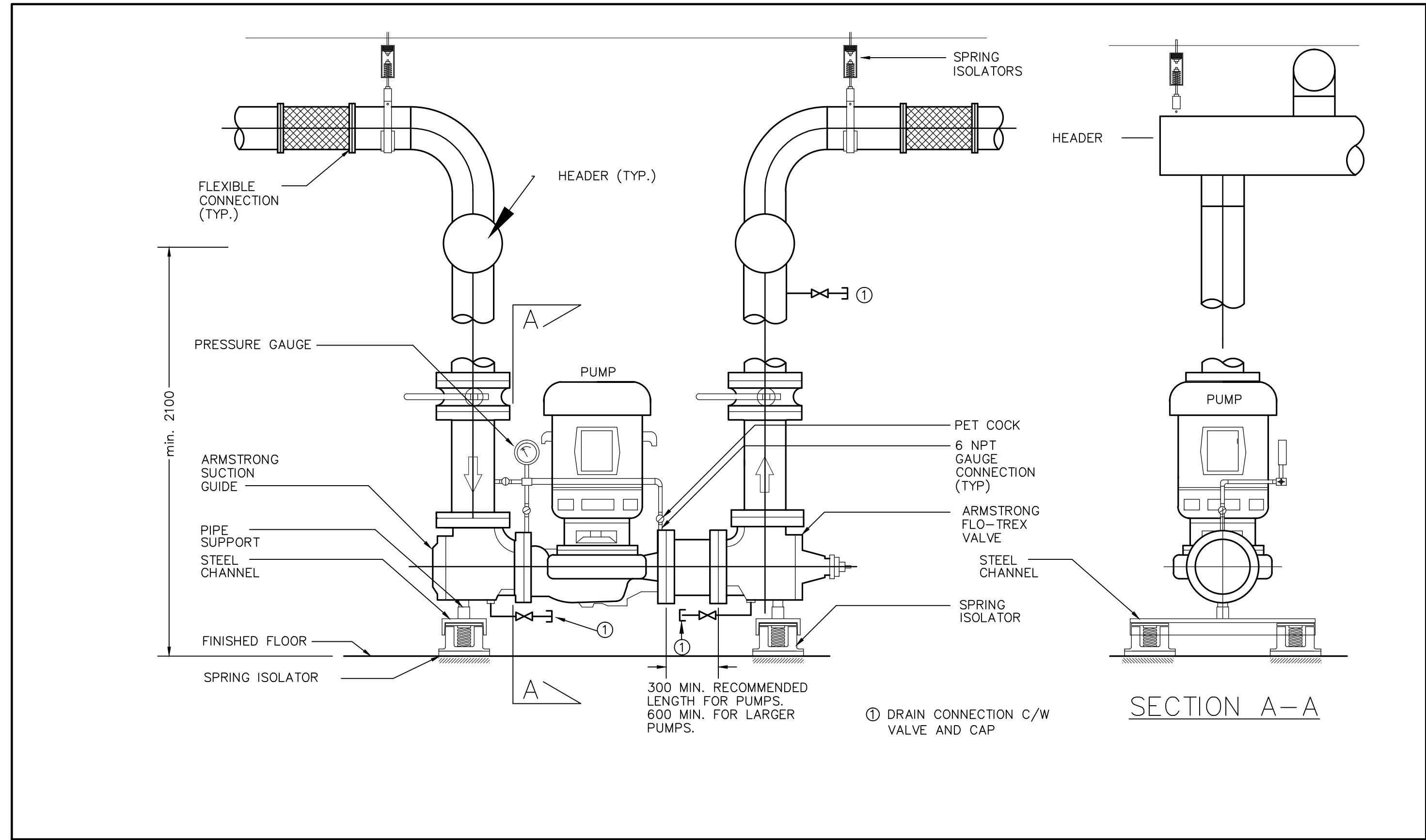
4 BACKFLOW PREVENTER ASSEMBLY AND PIPING HOOK-UP
M-802 NTS



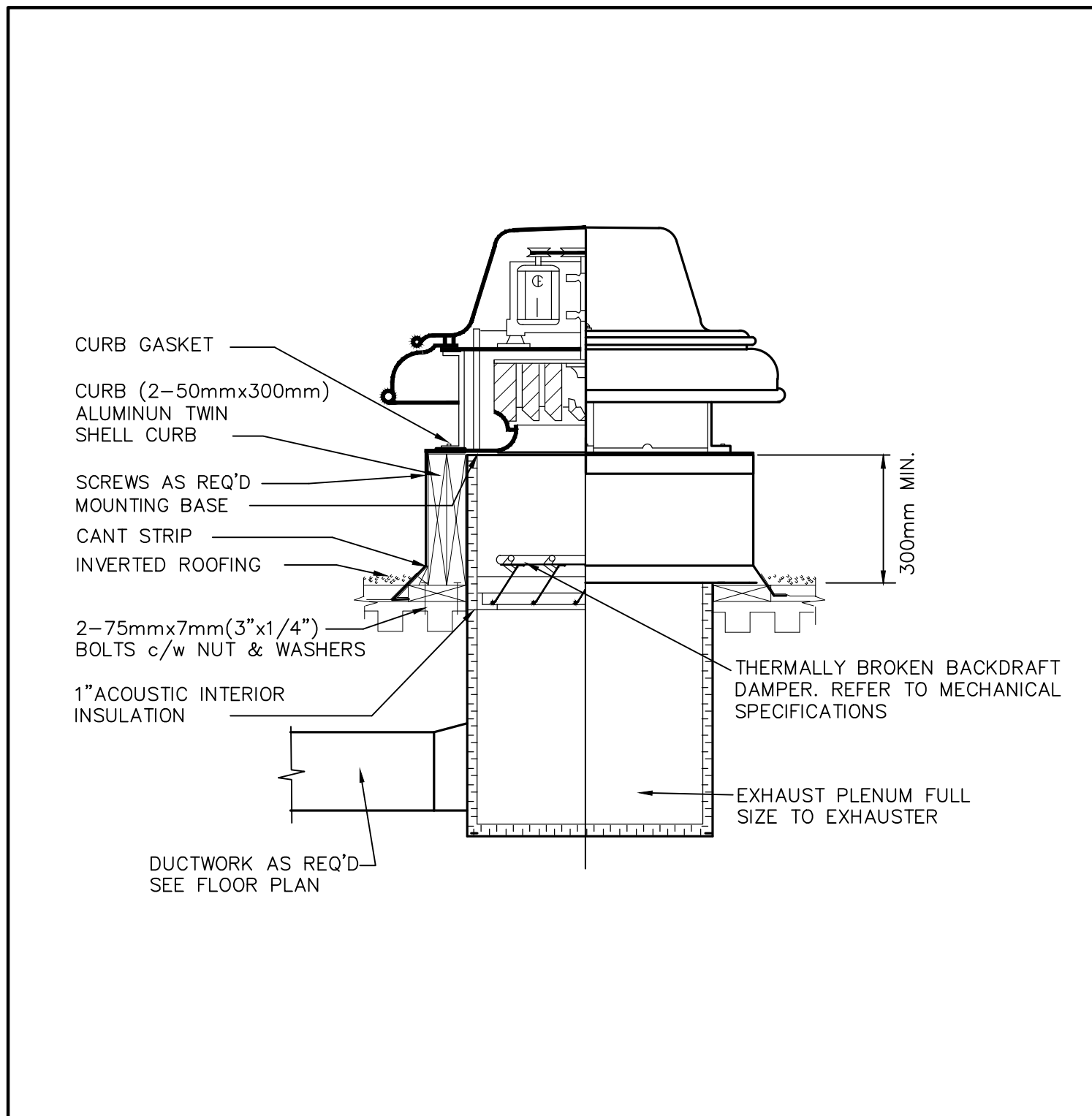
5 CHIMNEY THROUGH ROOF DETAIL INVERTED ROOF STRUCTURE
M-802 N.T.S.



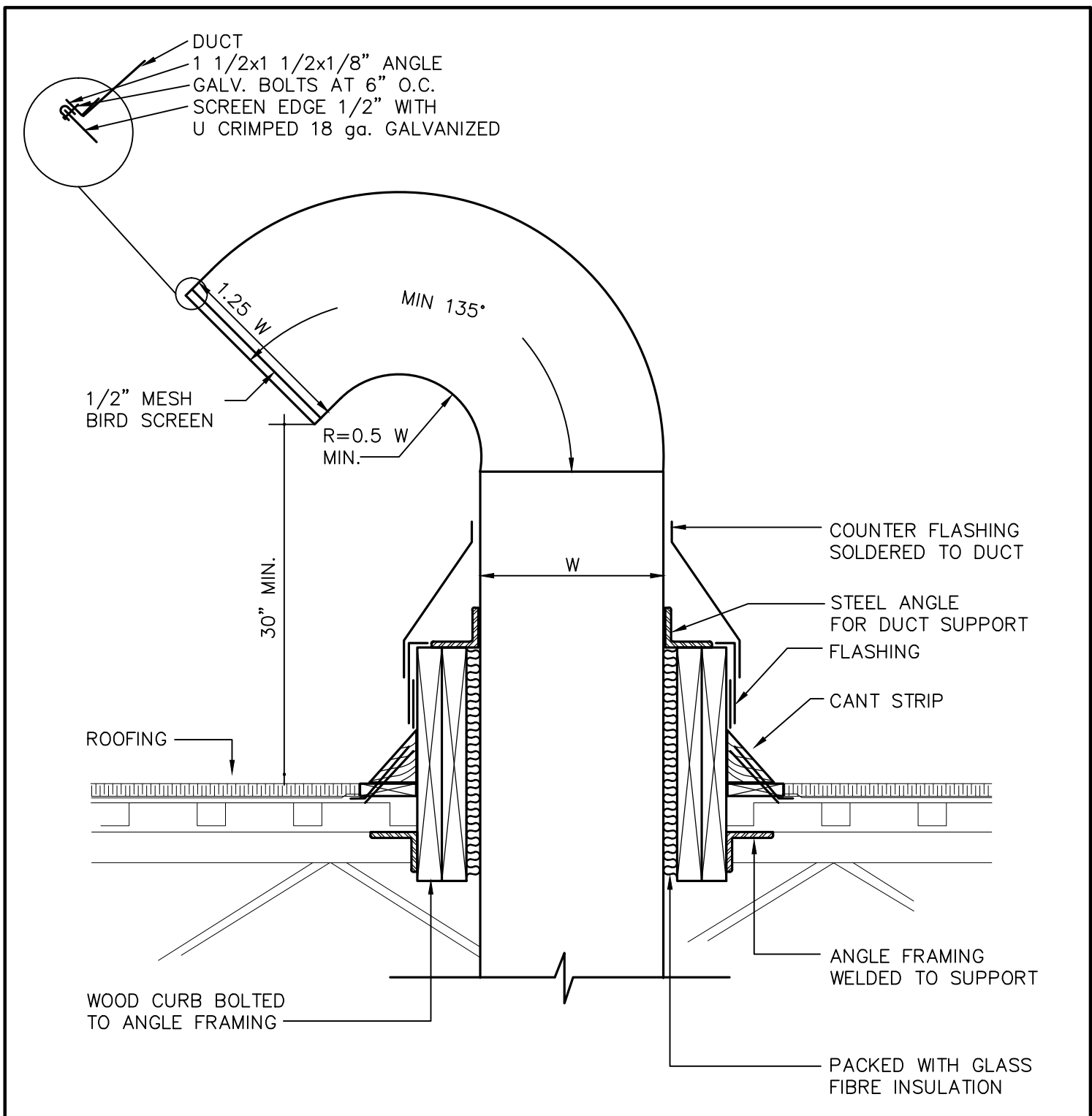
6 BOILER BREACHING DETAIL
M-802 NTS



7 TYPICAL IN-LINE PUMP INSTALLATION DETAIL
M-802 N.T.S.



8 ROOF EXHAUSTER DETAIL
M-802 N.T.S.



9 DETAIL OF AIR INLET/OUTLET WITH GOOSENECK THROUGH ROOF
M-802 NTS



CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2255 Sheppard Avenue E., Suite E 301
North York, ON M2J 6T1
(416) 497-3111 fax (416) 497-7210

| | | |
|----------|-------------------------------------|------------|
| 07 | | |
| 06 | ISSUED FOR TENDER 2016-01-26 | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.15 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R | 2014.08.29 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.14 |
| 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 |
| C | drawing no. - where detailed dessin no. - où détaillé |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
GENERAL
MECHANICAL DETAILS#2

drawn by
dessiné par LP

designed by
conc par LP

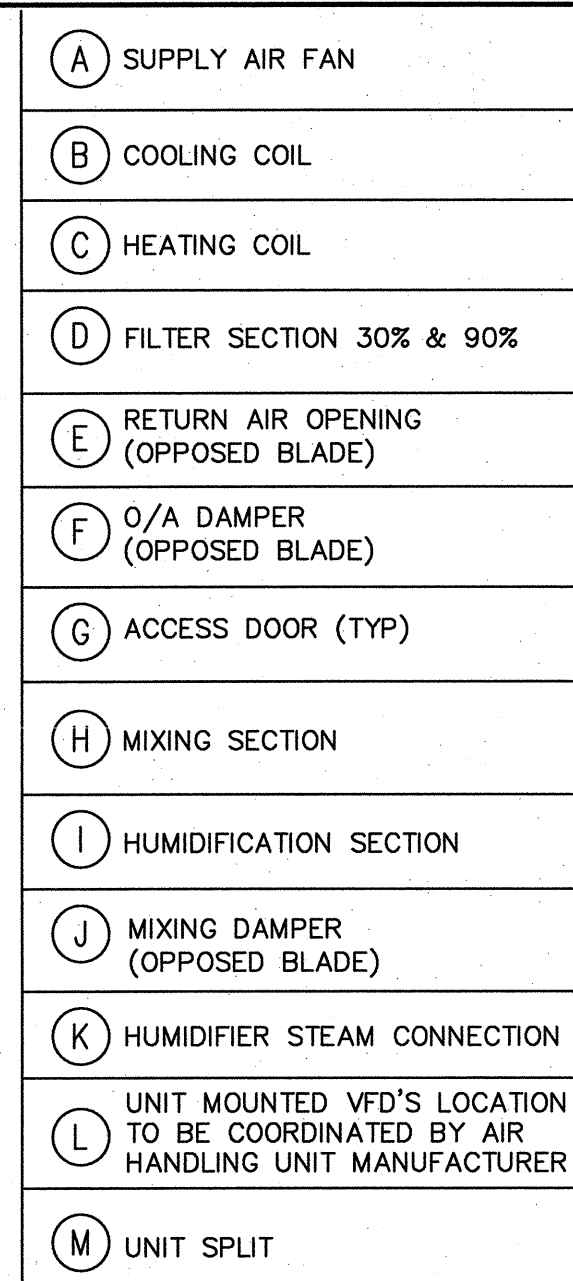
approved by
approuvé par AC

bid
offre JLEON project manager
administrateur de projets

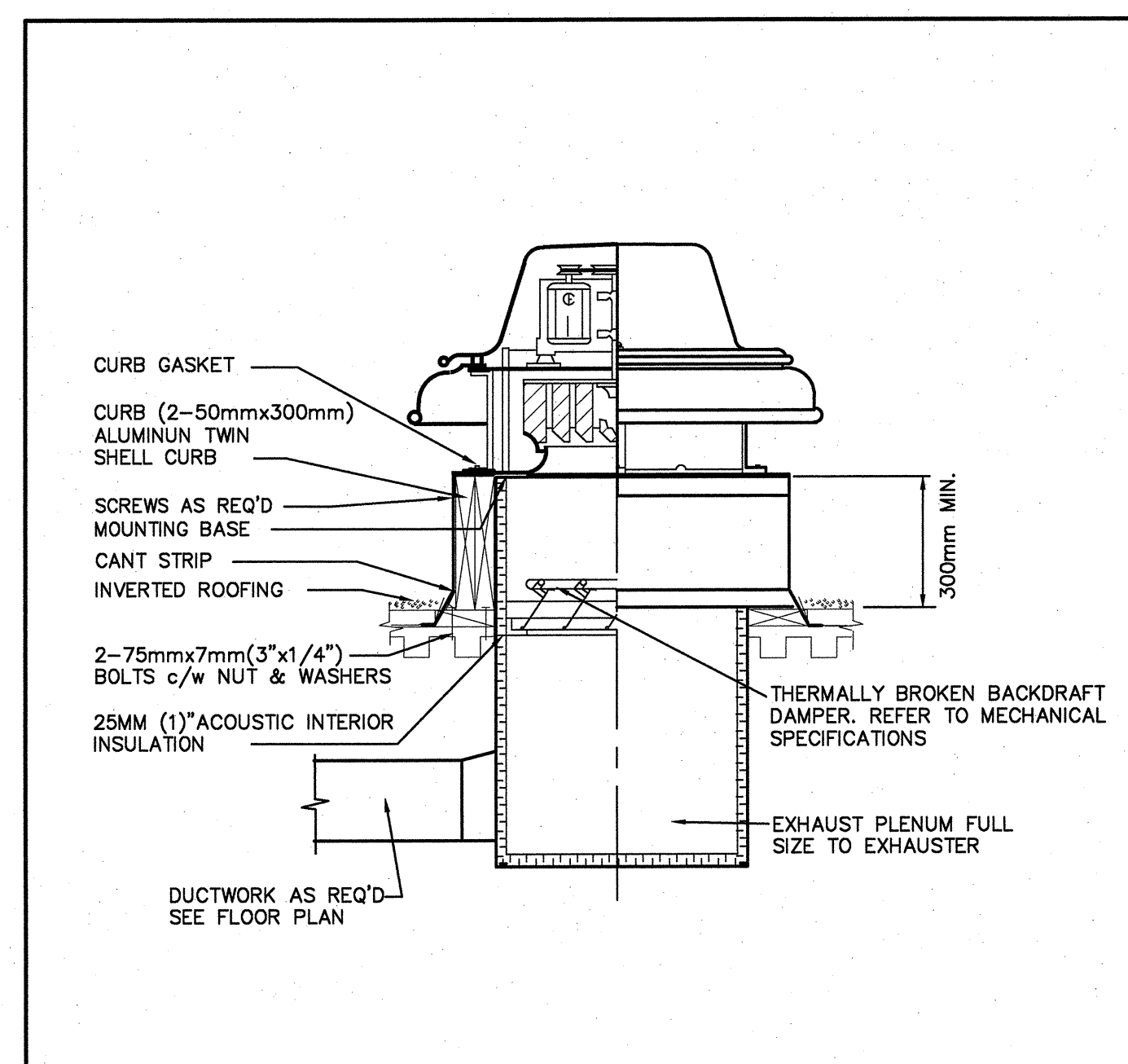
project date
date du projet 2016-01-26

project no.
no. du projet R.064667.004

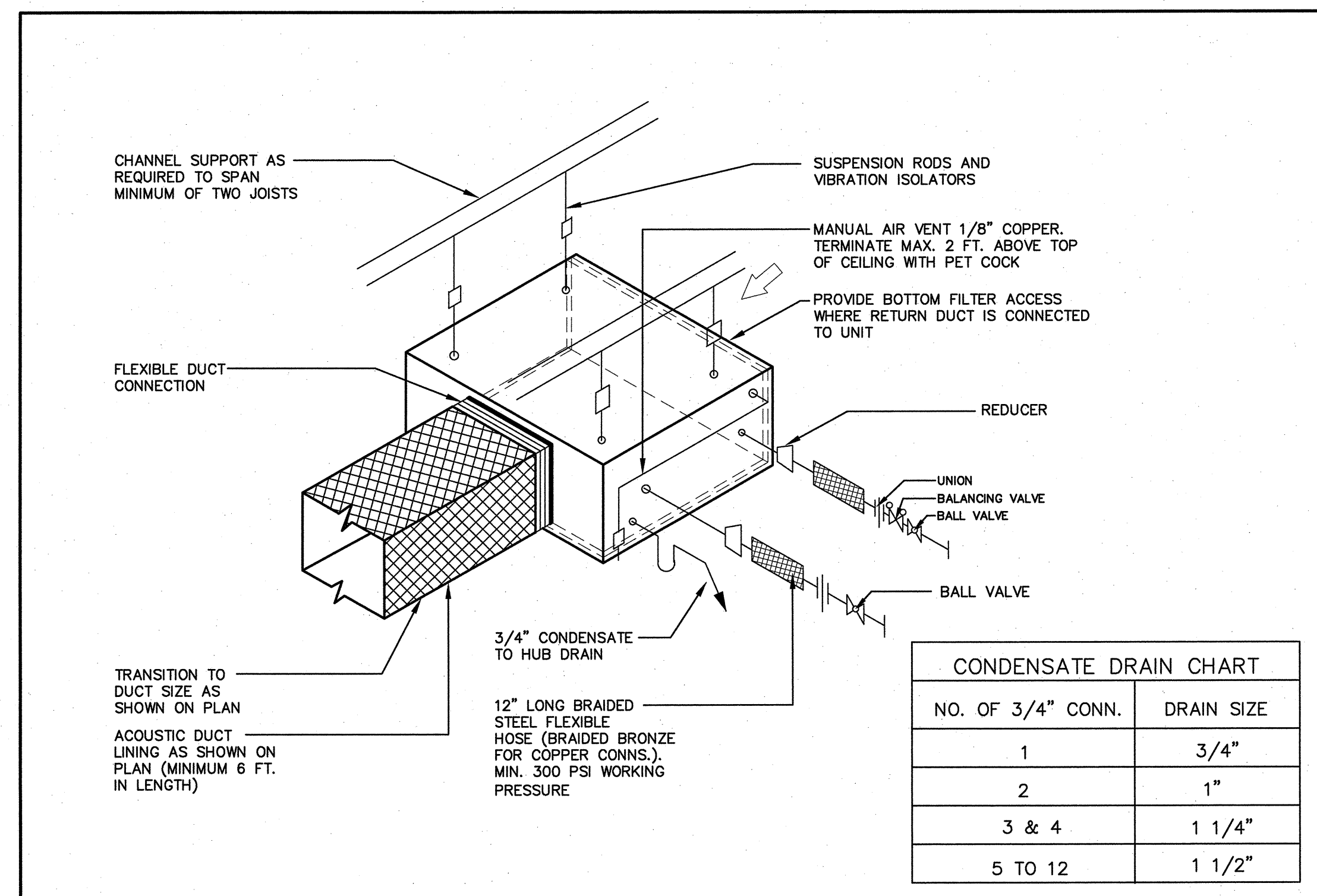
drawing no.
dessiné no. M-802



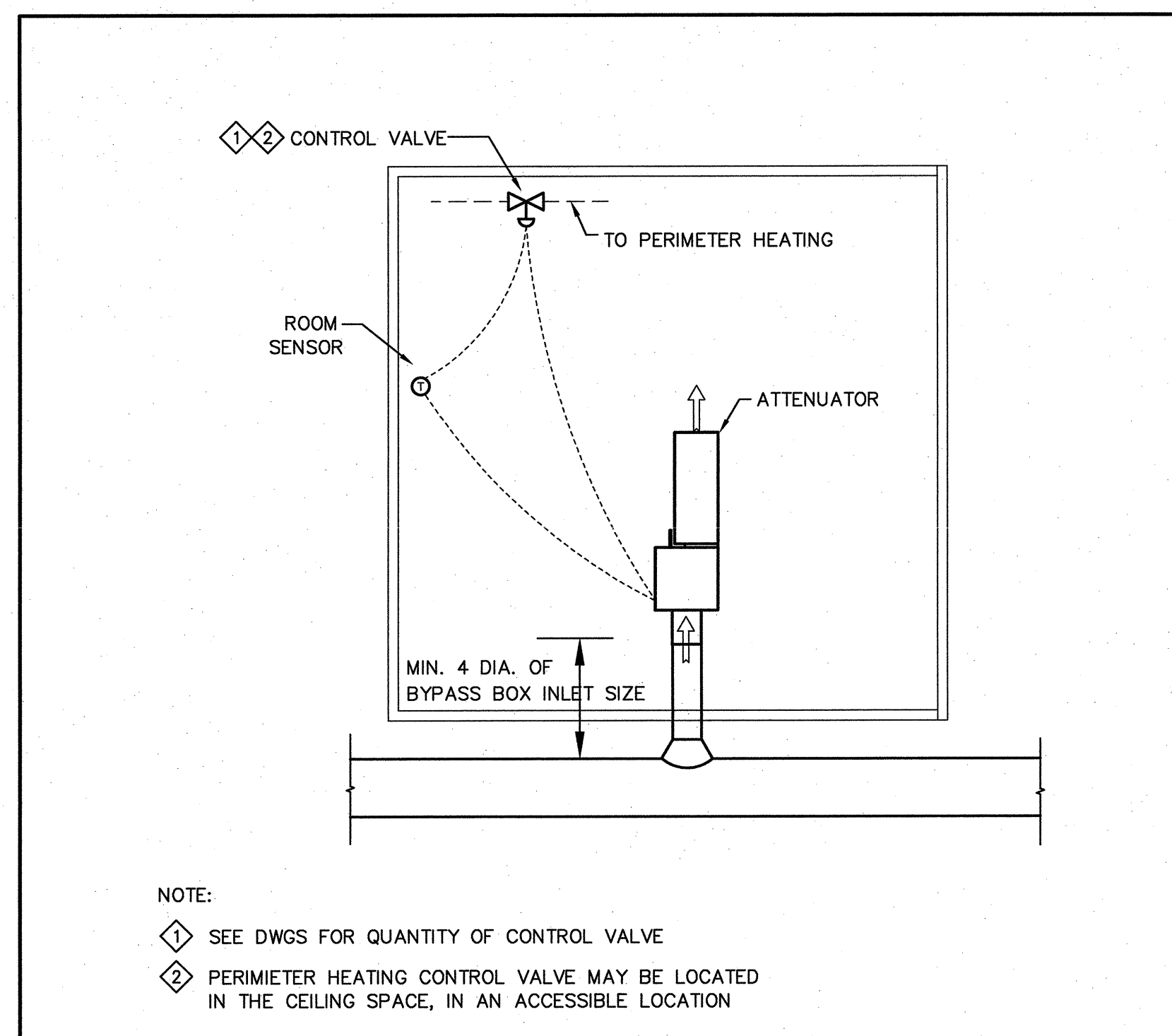
1 DETAIL OF AHU-1
M-803 N.T.S.



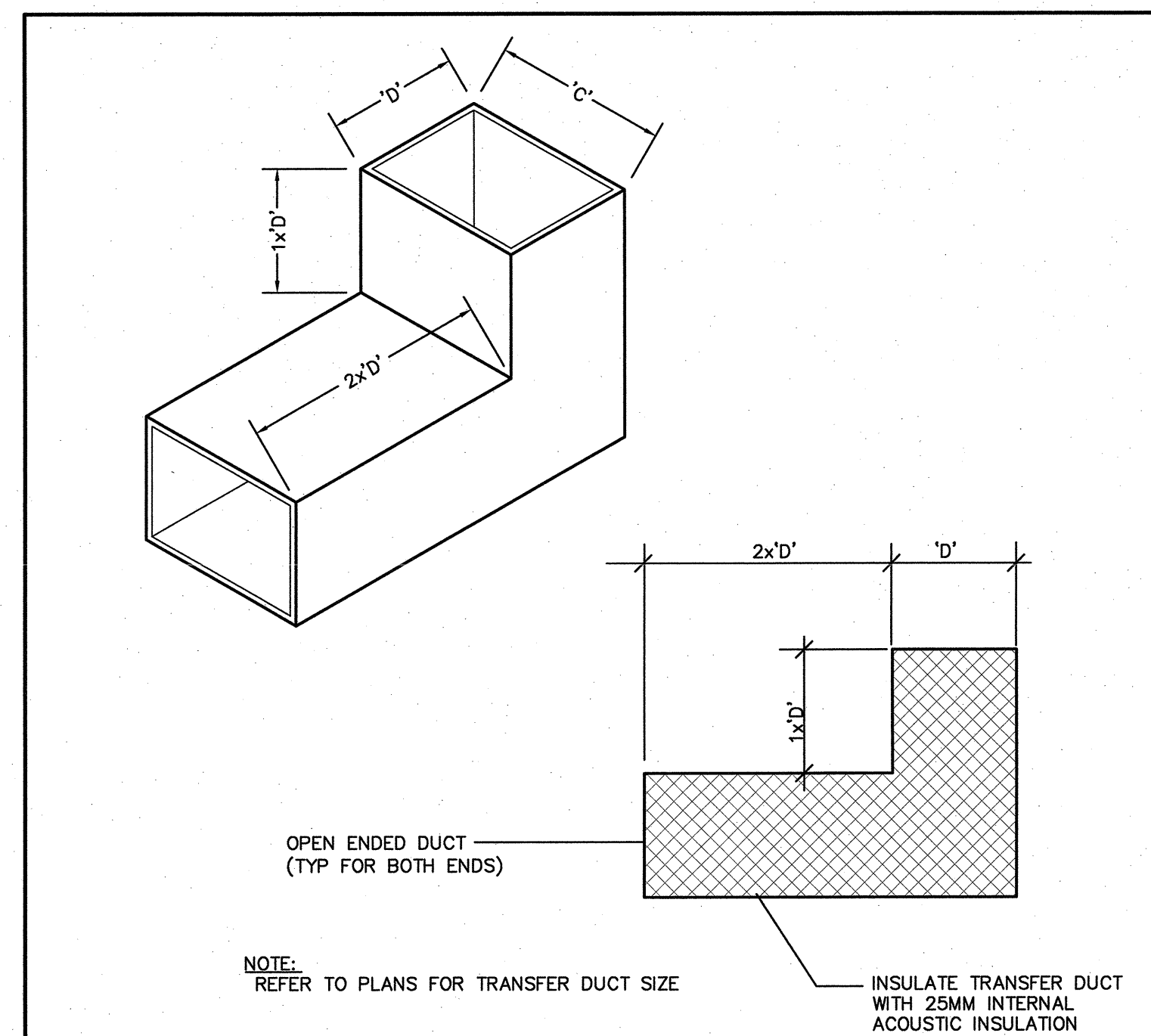
4 ROOF EXHAUSTER DETAIL
M-803 N.T.S.



5 FAN COIL INSTALLATION DETAIL
W-803 N.T.S.




2 VAV TERMINAL UNIT WITH RE-HEAT COIL DETAIL & PERIMETER HEATING
W-803 N.T.S.



3 TYPICAL TRANSFER DUCT DETAIL
W-803 N.T.S.




For Bid Purposes and Not for Construction

 CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2255 Sheppard Avenue, E., Suite E 331
North York, On M2J 4Y1
(416)497.3111 fax (416)497.7210

| | | |
|----------|-------------------------------------|------------|
| 07 | | |
| 06 | ISSUED FOR TENDER 2016-01-26 | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.0 |
| 03 | FINAL CONTRACT DOCUMENT FOR CLASS A | 2014.12.1 |
| 02 | ISSUED FOR 66% PROGRESS REVIEW R | 2014.08.2 |
| 01 | ISSUED FOR 66% PROGRESS REVIEW | 2014.06.1 |
| 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.
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 | PARRY SOUND | ONTARIO |
| 28 WAUBEEK STREET P2A 1B9 | | |
| CANADIAN COAST GUARD BAS | | |
| HVAC UPGRADE TO MAIN BUILDING | | |

drawing title
titre du dessin

GENERAL
MECHANICAL DETAILS#3

drawn by
dessine par

designed by
conc par

approved by
approuvé par AG

| | |
|-------|-----------------------------|
| bid | project manager |
| offre | administrateur de projet |

project date
date du projet 2016-01-26

| | |
|------------------------------|--------------|
| project no. no. du projet | R.064667.004 |
|------------------------------|--------------|

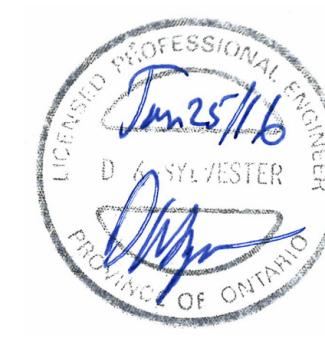
| | |
|----------------------------|-------|
| drawing no. dessine no. | M-803 |
|----------------------------|-------|

HVAC UPGRADES TO MAIN BUILDING

PARRY SOUND CANADIAN COAST GUARD BASE

28 WAUBEEK STREET, PARRY SOUND, ONTARIO

PROJECT NUMBER: R.064667.004



CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2255 Sheppard Avenue E., Suite E 531
North York, On M2J 6T1
(416)497-3111 fax (416)497-7210

FOR BID PURPOSES AND NOT FOR CONSTRUCTION.

DRAWING LIST

E-001 ELECTRICAL LEGEND, DRAWING LIST AND SITE PLAN
E-100 MECHANICAL EQUIPMENT SCHEDULE
E-101 ELECTRICAL PANEL SCHEDULES
E-200 BUILDING A MAIN BUILDING - SHOP WING GROUND FLOOR PLAN
E-201 BUILDING A MAIN BUILDING - ADMIN WING GROUND, SECOND & THIRD FLOOR PLAN
E-202 BUILDING A MAIN BUILDING - SHOP WING ROOF PLAN
E-203 BUILDING A MAIN BUILDING - ADMIN WING ROOF PLAN
E-500 SINGLE LINE DIAGRAM

ELECTRICAL LEGEND

POWER SYMBOLS

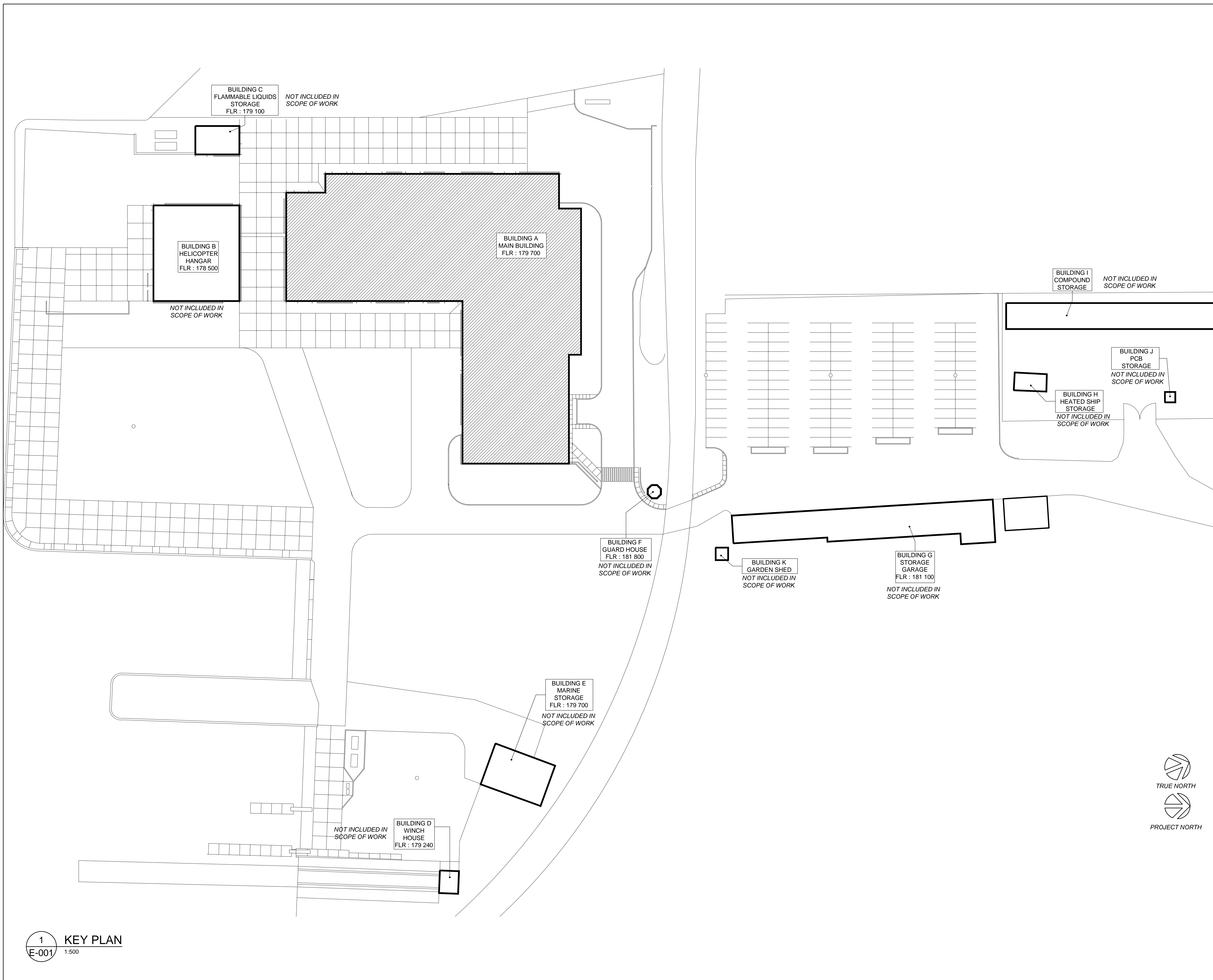
- 15A-125V 2P-3W CONVENIENCE GROUNDED DUPLEX RECEPTACLE, WALL MOUNTED
- (2)-DUPLEX CONVENIENCE RECEPTACLES UNDER COMMON COVERPLATE
- SURGE SUPPRESSION OUTLET
- 15A-125V 2P-3W GROUNDED DUPLEX RECEPTACLE, SPLIT WIRED, WALL MOUNTED
- 20A-125V 2P-3W CONVENIENCE GROUNDED DUPLEX RECEPTACLE, WALL MOUNTED
- 20A-125V 2P-3W (L5-20R) CONVENIENCE GROUNDED DUPLEX RECEPTACLE, MOUNTED IN FS STYLE BOX UNDERSIDE OF OVERHEAD CABLE TRAY, SUPPORTED INDEPENDENT OF CONDUIT
- 30A-250V 2P-3W GROUNDED SINGLE DRYER RECEPTACLE, WALL MOUNTED TO SUIT.
- MANUAL STARTER
- COMBINATION MAGNETIC STARTER
- MOTOR BY OTHER, HP AS INDICATED, WIRED BY ELECTRICAL.
- DISCONNECT
- ISOLATING SWITCH
- 120V-1PH POWER CONNECTION (AMPERAGE AS INDICATED)
- 208V-1PH POWER CONNECTION C/W DISCONNECT SWITCH (AMPERAGE AS INDICATED)
- FLUSH MOUNT SINGLE GANG BOX WITH 21mmEMT TO PIPE CHASE AND SINGLE GANG STAINLESS STEEL COVERPLATE (CELLS ONLY), WH 1200, PROVIDE END CAP ON CONDUIT IN PIPE CHASE.
- 208V-3PH POWER CONNECTION C/W DISCONNECT SWITCH (AMPERAGE AS INDICATED)
- CONDUIT UP
- CONDUIT DOWN
- PANELBOARD, RECESSED OR SURFACE MOUNTED.
- OR TRANSFORMER
- ZONE POWER JUNCTION BOX IN CEILING SPACE FOR MODULAR FURNITURE OR WALL RECEPTACLES AS SHOWN.
- WALL MOUNTED WIRELESS RECEIVER BOX.
- MODULAR FURNITURE SYSTEM POWER AND DATA/COMMUNICATION POINT FROM CEILING.
- CIRCUIT BREAKER
- DRAW OUT BREAKER

MISCELLANEOUS SYMBOLS

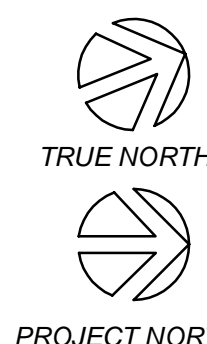
- DENOTES NEW WORK TO BE PROVIDED UNDER THIS CONTRACT
- DENOTES EXISTING
- JUNCTION BOX
- PULL BOX
- TERMINAL BOX
- LINE ISOLATOR MODULE
- HANDICAP PUSH BUTTON
- SPRINKLER VALVE
- BASE BOARD HEATER
- AIR PRESSURE ALARM
- EQUIPMENT TAG - FCU-01

ABBREVIATIONS:

- AFF ABOVE FLOOR FINISH
ANN ANNUNCIATOR
CCT CIRCUIT
CH COUNTER HEIGHT
F/A FIRE ALARM
MH MOUNTING HEIGHT
WG WIREGUARD
WP WEATHERPROOF
3 3-WAY
4 4-WAY
P PILOT LIGHT
DP DISTRIBUTION PANEL
PP POWER PANEL
LP LIGHTING PANEL
SWBO SWITCHBOARD
ATS AUTOMATIC TRANSFER SWITCH
E DENOTES EXISTING DEVICE TO REMAIN
R DENOTES EXISTING DEVICE TO BE REMOVED
ER DENOTES EXISTING DEVICE TO BE RELOCATED
RE DENOTES EXISTING DEVICE IN RELOCATED POSITION
UPS UNINTERRUPTIBLE POWER SUPPLY
PH PHASE
PVC POLYVINYL CHLORIDE
A AMPS
V VOLTS
C/W COMPLETE WITH
PA DENOTES PUBLIC ADDRESS SYSTEM



1 KEY PLAN
E-001 1:500



| | | |
|----------|----------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | ISSUED FOR 100% CD | 2014.12.15 |
| 02 | ISSUED FOR 66% REVIEW | 2014.06.06 |
| 01 | ISSUED FOR 66% COSTING | 2014.05.29 |
| 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 |
| C | drawing no. - where detailed dessin no. - où détaillé |

project title
titre du projet
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
**CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING**

drawing title
titre du dessin
**ELECTRICAL LEGEND,
DRAWING LIST AND
KEY PLAN**

drawn by
dessiné par
MC

designed by
conçu par
MC, NN

approved by
approuvé par
NN

bid
offre
J.LEON project manager
administrateur de projets

project date
date du projet
2016-01-26

project no.
no. du projet
R.064667.004

drawing no.
dessiné no.
E-001

FOR BID PURPOSES AND NOT FOR CONSTRUCTION

WATERTIGHT OUTDOOR GFCI
DUPLEX RECEPTACLE BOX C/W
WEATHERPROOF COVERPLATE.
(TYPICAL)
ALLOW THE COVER TO CLOSE
WHEN OUTLETS ARE USED TO
MEET ESE SEPT/14 BULLETING

WATER-TIGHT JUNCTION BOX
RECESSED IN FLOOR C/W
WEATHERPROOF COVERPLATE.
(TYPICAL)

610mm X 610mm X 51mm
CONCRETE PAVER

RIGID STEEL CONDUIT TO
WATER-TIGHT JUNCTION BOX
RECESSED IN FLOOR. (TYPICAL)

CONDUIT ROUTED BACK TO
LOCAL POWER PANEL.
(TYPICAL)

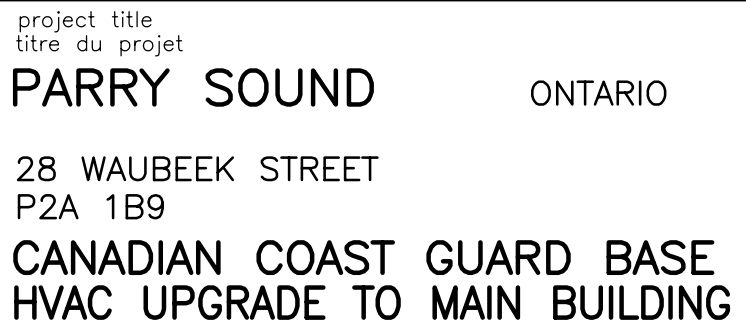
MIN. 750mm

FINISHED ROOF

3
E-100 N.T.S.

OUTDOOR WEATHERPROOF RECEPTACLE BOX DETAIL

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



| | |
|--------------------------------|---|
| drawn by dessiné par | MC |
| designed by conc par | MC, NN |
| approved by approuvé par | NN |
| bid offre | J.LEON project manager administrateur de projets |
| project date date du projet | 2016-01-26 |
| project no. no. du projet | |
| R.064667.004 | |
| drawing no. dessiné no. | E-100 |

CCG Parry Sound
Job No. **13403**Voltage: **120 / 208**Ph/Wire: **3/4**Fed from: **Transformer 'T5'****Panel Schedule**
PP-EBB (EXISTING)Panel:
Date: January 22, 2016
Panel Mains: 400 amps
Mounting: Surface
Tub Type: Single
Location: Fan Supply Room 182
Main Breaker:

| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 | D [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|-----|-------|------|-------|-------------|---|------|
| | | Spare | 1 | 0 | 1 | a | 2 | 0 | 1 | | | Spare | | |
| | | | 1 | 0 | 3 | b | 4 | 0 | 1 | | | Spare | | |
| | | | 1 | 5 | c | 6 | 0 | 1 | | | | | | |
| | | | 1 | 7 | a | 8 | 1 | | | | | | | |
| | | | 1 | 9 | b | 10 | 1 | | | | | | | |
| | | | 1 | 11 | c | 12 | 1 | | | | | | | |
| | | | 1 | 13 | a | 14 | 0 | 1 | | | | Spare | | |
| | | | 1 | 15 | b | 16 | 0 | 1 | | | | Spare | | |

CONNECTED 'A' W
CONNECTED 'B' W
CONNECTED 'C' W

W DEMAND 'A'
W DEMAND 'B'
W DEMAND 'C'

Notes: Gray Shade = existing

Remarks:

TOTAL DEMAND AMPS **A**
TOTAL CONNECTED LOAD **kW**
TOTAL DEMAND LOAD **kW**

CCG Parry Sound
Job No. **13403**Voltage: **120 / 208**Ph/Wire: **3/4**

Fed from:

Panel Schedule
LP-ED (EXISTING)Panel:
Date: January 22, 2016
Panel Mains: 225 amps
Mounting: Surface
Tub Type: Single
Location: Main Bldg. Corridor 207
Main Breaker:

| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 | D [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|-----|-------|------|-------|-------------|---|------|
| | | | 1 | 1 | 1 | a | 2 | 0 | 1 | | | SPARE | | |
| | | | 1 | 3 | b | 4 | 1 | | | | | | | |
| | | | 1 | 5 | c | 6 | 1 | | | | | | | |
| | | | 1 | 7 | a | 8 | 1 | | | | | | | |
| | | | 1 | 9 | b | 10 | 1 | | | | | | | |
| | | | 1 | 11 | c | 12 | 1 | | | | | | | |
| | | | 1 | 13 | a | 14 | 1 | | | | | | | |
| | | | 1 | 15 | b | 16 | 0 | 1 | | | | SPARE | | |
| | | | 1 | 17 | c | 18 | 1 | | | | | | | |
| | | | 1 | 19 | a | 20 | 1 | | | | | | | |
| | | | 1 | 21 | b | 22 | 1 | | | | | | | |
| | | | 1 | 23 | c | 24 | 1 | | | | | | | |
| | | | 1 | 25 | a | 26 | 0 | 1 | | | | SPARE | | |
| | | | 1 | 27 | b | 28 | 0 | 1 | | | | SPARE | | |
| | | | 1 | 29 | c | 30 | 1 | | | | | | | |

CONNECTED 'A' W
CONNECTED 'B' W
CONNECTED 'C' W

W DEMAND 'A'
W DEMAND 'B'
W DEMAND 'C'

Notes: Gray Shade = existing

Remarks:

TOTAL DEMAND AMPS **A**
TOTAL CONNECTED LOAD **kW**
TOTAL DEMAND LOAD **kW**

CCG Parry Sound
Job No. **13403**Voltage: **120 / 208**Ph/Wire: **3/4**Fed from: **Transformer 'T3'****Panel Schedule**
PP-BB (EXISTING)Panel:
Date: January 22, 2016
Panel Mains: 225 amps
Mounting: Surface
Tub Type: Single
Location: Fan Supply Room 182
Main Breaker:

| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 | D [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|-----|-------|------|-------|-------------|---|------|
| | | | 1 | 1 | 1 | a | 2 | 1 | | | | | | |
| | | | 1 | 3 | b | 4 | 0 | 1 | | | | Spare | | |
| | | | 1 | 5 | c | 6 | 1 | | | | | | | |
| | | | 1 | 7 | a | 8 | 1 | | | | | | | |
| | | | 1 | 9 | b | 10 | 1 | | | | | | | |
| | | | 1 | 11 | c | 12 | 1 | | | | | | | |
| | | | 1 | 13 | a | 14 | 1 | | | | | | | |
| | | | 1 | 15 | b | 16 | 1 | | | | | | | |

CONNECTED 'A' W
CONNECTED 'B' W
CONNECTED 'C' W

W DEMAND 'A'
W DEMAND 'B'
W DEMAND 'C'

Notes: Gray Shade = existing

Remarks:

TOTAL DEMAND AMPS **A**
TOTAL CONNECTED LOAD **kW**
TOTAL DEMAND LOAD **kW**

CCG Parry Sound
Job No. **13403**Voltage: **120 / 208**Ph/Wire: **3/4**Fed from: **Transformer 'T4'****Panel Schedule**
PP-EAA (EXISTING)Panel:
Date: January 22, 2016
Panel Mains: 400 amps
Mounting: Surface
Tub Type: Single
Location: Electrical Room 139
Main Breaker:

| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 | D [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|-----|-------|------|-------|-------------|---|------|
| | | SPARE | 1 | 0 | 1 | a | 2 | 0 | 1 | | | SPARE | | |
| | | | 1 | 0 | 3 | b | 4 | 0 | 1 | | | SPARE | | |
| | | | 1 | 5 | c | 6 | 1 | | | | | | | |
| | | | 1 | 7 | a | 8 | 1 | | | | | | | |
| | | | 1 | 9 | b | 10 | 1 | | | | | | | |
| | | | 1 | 11 | c | 12 | 1 | | | | | | | |
| | | | 1 | 13 | a | 14 | 1 | | | | | | | |
| | | | 1 | 15 | b | 16 | 1 | | | | | | | |

CONNECTED 'A' W
CONNECTED 'B' W
CONNECTED 'C' W

W DEMAND 'A'
W DEMAND 'B'
W DEMAND 'C'

Notes: Gray Shade = existing

Remarks:

TOTAL DEMAND AMPS **A**
TOTAL CONNECTED LOAD **kW**
TOTAL DEMAND LOAD **kW**

CCG Parry Sound
Job No. **13403**Voltage: **120 / 208**Ph/Wire: **3/4**Fed from: **PP-BB****Panel Schedule**
LP-F (EXISTING)Panel:
Date: January 22, 2016
Panel Mains: 225 amps
Mounting: Surface
Tub Type: Single
Location: Main Bldg. Corridor 207
Main Breaker:

| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 | D [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|-----|-------|------|-------|-------------|---|--------|
| | | | 1 | 1 | 1 | a | 2 | 1 | | | | | | |
| | | | 1 | 3 | b | 4 | 1 | | | | | | | |
| | | | 1 | 5 | c | 6 | 1 | | | | | | | |
| | | | 1 | 7 | a | 8 | 1 | | | | | | | |
| | | | 1 | 9 | b | 10 | 1 | | | | | | | |
| | | | 1 | 11 | c | 12 | 1 | | | | | | | |
| | | | 1 | 13 | a | 14 | 0 | 1 | | | | SPARE | | 15A-1P |
| | | | 1 | 15 | b | 16 | 1 | | | | | | | |
| | | | 1 | 17 | c | 18 | 1 | | | | | | | |
| | | | 1 | 19 | a | 20 | 1 | | | | | | | |
| | | | 1 | 21 | b | 22 | 1 | | | | | | | |
| | | | 1 | 23 | c | 24 | 1 | | | | | | | |
| | | | 1 | 25 | a | 26 | 0 | 1 | | | | SPARE | | |
| | | | 1 | 27 | b | 28 | 0 | 1 | | | | SPARE | | |
| | | | 1 | 29 | c | 30 | 0 | 1 | | | | SPARE | | |

CONNECTED 'A' W
CONNECTED 'B' W
CONNECTED 'C' W

W DEMAND 'A'
W DEMAND 'B'
W DEMAND 'C'

Notes: Gray Shade = existing

Remarks:

TOTAL DEMAND AMPS **A**
TOTAL CONNECTED LOAD **kW**
TOTAL DEMAND LOAD **kW**

CCG Parry Sound
Job No. **13403**Voltage: **347 / 600**Ph/Wire: **3/4**Fed from: **ATS #1****Panel Schedule**
PP-EAAA (EXISTING)Panel:
Date: January 22, 2016
Panel Mains:
Mounting: Surface
Tub Type: Single
Location: Electrical Room 139
Main Breaker:

| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 | D [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|-----|-------|------|-------|-------------|---|------|
| | | | 1 | 1 | 1 | a | 2 | 0 | 1 | | | SPARE | | |
| | | | 1 | 3 | b | 4 | 0 | 1 | | | | SPARE | | |
| | | | 1 | 5 | c | 6 | 1 | | | | | | | |
| | | | 1 | 7 | a | 8 | 1 | | | | | | | |
| | | | 1 | 9 | b | 10 | 1 | | | | | | | |
| | | | 1 | 11 | c | 12 | 1 | | | | | | | |
| | | | 1 | 13 | a | 14 | 1 | | | | | | | |
| | | | 1 | 15 | b | 16 | 1 | | | | | | | |

CONNECTED 'A' W
CONNECTED 'B' W
CONNECTED 'C' W

W DEMAND 'A'
W DEMAND 'B'
W DEMAND 'C'

Notes: Gray Shade = existing

Remarks:

TOTAL DEMAND AMPS **A**
TOTAL CONNECTED LOAD **kW**
TOTAL DEMAND LOAD **kW**

CCG Parry Sound
Job No. **13403**Voltage: **120 / 208**Ph/Wire: **3/4**Fed from: **PP-AA****Panel Schedule**
PP-2A1(NEW)Panel:
Date: December 9, 2015
Panel Mains: 100 amps
Mounting: Surface
Tub Type: Single
Location: Electrical Room 139
Main Breaker:

| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 | D [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|------|-------|------|---------------------------|-------------|---|------|
| | | | 1 | 0 | 1 | a | 2 | 160 | 0.8 | 200 | W/ GFION ROOF | 20A-1P | | |
| | | | 1 | 0 | 3 | b | 4 | 320 | 0.8 | 400 | BOILER B-03 | 15A-1P | | |
| | | | 1 | 0 | 5 | c | 6 | 263 | 0.8 | 350 | | | | |
| | | | 1 | 0 | 7 | a | 8 | 263 | 0.8 | 350 | BOILER B-03 FAN MOTOR | 15A-3P | | |
| | | | 1 | 0 | 9 | b | 10 | 263 | 0.8 | 350 | | | | |
| | | | 1 | 0 | 11 | c | 12 | 1550 | 0.8 | 200 | BOILER B-03 CONTROL PANEL | 15A-1P | | |
| | | | 1 | 0 | 13 | a | 14 | 0 | 1 | | | | | |
| | | | 1 | 0 | 15 | b | 16 | 0 | 1 | | | | | |
| | | | 1 | 0 | 17 | c | 18 | 0 | 1 | | | | | |
| | | | 1 | 0 | 19 | a | 20 | 0 | 1 | | | | | |
| | | | 1 | 0 | 21 | b | 22 | 0 | 1 | | | | | |
| | | | 1 | 0 | 23 | c | 24 | 0 | 1 | | | | | |
| | | | 1 | 0 | 25 | a | 26 | 0 | 1 | | | | | |
| | | | 1 | 0 | 27 | b | 28 | 0 | 1 | | | | | |
| | | | 1 | 0 | 29 | c | 30 | 0 | 1 | | | | | |
| | | | 1 | 0 | 31 | a | 32 | 0 | 1 | | | | | |
| | | | 1 | 0 | 33 | b | 34 | 0 | 1 | | | | | |
| | | | 1 | 0 | 35 | c | 36 | 0 | 1 | | | | | |
| | | | 1 | 0 | 37 | a | 38 | 0 | 1 | | | | | |
| | | | 1 | 0 | 39 | b | 40 | 0 | 1 | | | | | |
| | | | 1 | 0 | 41 | c | 42 | 0 | 1 | | | | | |

CONNECTED 'A' 550 W
CONNECTED 'B' 740 W
CONNECTED 'C' 550 W

435 W DEMAND 'A'
543 W DEMAND 'B'
413 W DEMAND 'C'

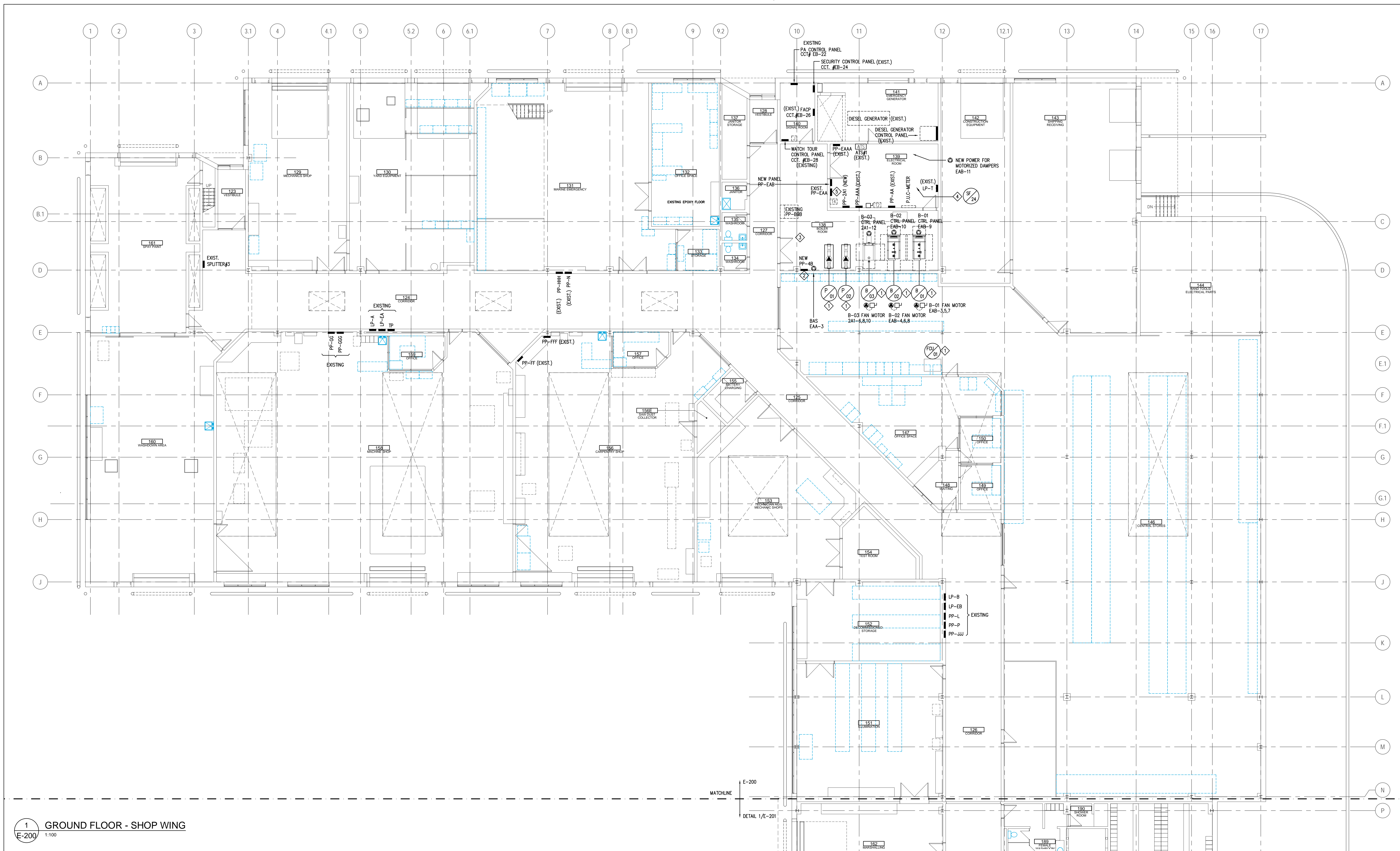
Notes:

Remarks:

TOTAL DEMAND AMPS **3.9 A**
TOTAL CONNECTED LOAD **1.9 kW**
TOTAL DEMAND LOAD **1.4 kW**

CCG Parry Sound
Job No. **13403**Voltage: **347 / 600**Ph/Wire: **3/4**Fed from: **PP-BBB****Panel Schedule**
PP-4B(NEW)Panel:
Date: December 9, 2015
Panel Mains: 400 amps
Mounting: Surface
Tub Type: Single
Location: Main Bldg. Boiler Room
Main Breaker: None

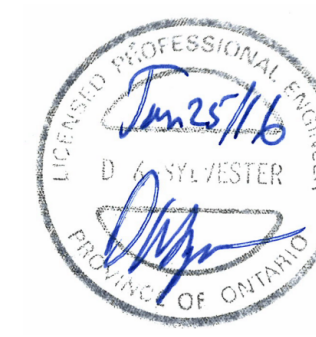
| BRKR | * | DESCRIPTION | C [W] | d.f. | D [W] | cc1 | bus | cc2 [W] | d.f. | C [W] | DESCRIPTION | * | BRKR |
|------|---|-------------|-------|------|-------|-----|-----|---------|------|-------|-------------|---|--------|
| | | | 0 | 1 | a | 2 | 0 | 1 | | | | | |
| | | | 0 | 3 | b | 4 | 0 | 1 | | | | | |
| | | | 0 | 4 | c | 6 | 0 | 1 | | | | | |
| | 1 | | 0 | 7 | a | 8 | 400 | 0.8 | 500 | | | | |
| | 1 | | 0 | 8 | b | 10 | 400 | 0.8 | 500 | | FOU-1 | | 15A-3P |
| | 1 | | 0 | 11 | | 12 | 400 | 0.8 | 500 | | | | |
| | 1 | | 0 | 13 | a | 14 | 768 | 0.8 | 900 | | | | |
| | 1 | | 0 | 15 | b | 16 | 768 | 0.8 | 900 | | CD-1 | | 30A-3P |
| | 1 | | 0 | 17 | c | 18 | 768 | 0.8 | 900 | | | | |
| | 1 | | 0 | 18 | a | 20 | 0 | 1 | | | | | |
| | 1 | | 0 | 21 | b | 22 | 0 | 1 | | | | | |
| | 1 | | 0 | 23 | c | 24 | 0 | 1 | | | | | |
| | 1 | | 0 | 25 | a | 26 | 0 | 1 | | | | | |
| | 1 | | 0 | 27 | b | 28 | 0 | 1 | | | | | |
| | 1 | | 0 | 29 | c | 30 | 0 | 1 | | | | | |
| | 1 | | 0 | 31 | a | 32 | 0 | 1 | | | | | |
| | 1 | | 0 | 33 | b | 34 | 0 | 1 | | | | | |
| | 1 | | 0 | 35 | c | 36 | 0 | 1 | | | | | |
| | 1 | | 0 | 37 | a | 38 | 0 | 1 | | | | | |
| | 1 | | 0 | 39 | b | 40 | 0 | 1 | | | | | |
| | 1 | | 0 | 41 | c | 42 | 0 | 1 | | | | | |



1 GROUND FLOOR - SHOP WING
E-200 1:100

NOTES:

- 1 REFER TO EQUIPMENT SCHEDULE ON E-100 FOR REQUIREMENTS.
- 2 PROVIDE NEW 400A, 42 C.T. PANEL PP-4B AS PER PANEL SCHEDULE ON DRAWING E-101. CONNECT TO AN EXISTING 300A-3P BREAKER IN PANEL PP-BBB WITH PARALLEL RUNS OF 3/2" RW90 EACH IN 53mm C.
- 3 DISCONNECT & REMOVE ALL FEEDERS, CONNECTIONS, ETC. BACK TO PANELS TO FACILITATE THE MECHANICAL DEMOLITION. UPDATE PANEL DIRECTORIES TO SUIT.
- 4 DISCONNECT EXISTING EQUIPMENT AND RECONNECT TO NEW EQUIPMENT TO FACILITATE THE EQUIPMENT REPLACEMENT. MODIFY CONDUIT AND FEEDER AS REQUIRED TO SUIT NEW EQUIPMENT FOOT PRINT AND LOCATIONS OF CONNECTION.
- 5 RE-ARRANGE BREAKERS AND PROVIDE NEW 100A-3P BREAKER TO FEED NEW PANEL 'PP-EAB'.



CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2255 Sheppard Avenue E., Suite E 331
North York, Ont. M2J 4T1
(416)497-3111 fax (416)497-7210

FOR BID PURPOSES AND NOT FOR CONSTRUCTION.

| | | |
|----|----------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | ISSUED FOR 100% CD | 2014.12.15 |
| 02 | ISSUED FOR 66% REVIEW | 2014.06.06 |
| 01 | ISSUED FOR 66% COSTING | 2014.05.29 |

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
PARRY SOUND ONTARIO

28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
**BUILDING A
MAIN BUILDING - SHOP WING
GROUND FLOOR PLAN**

drawn by
dessiné par **MC**

designed by
conçu par **MC, NN**

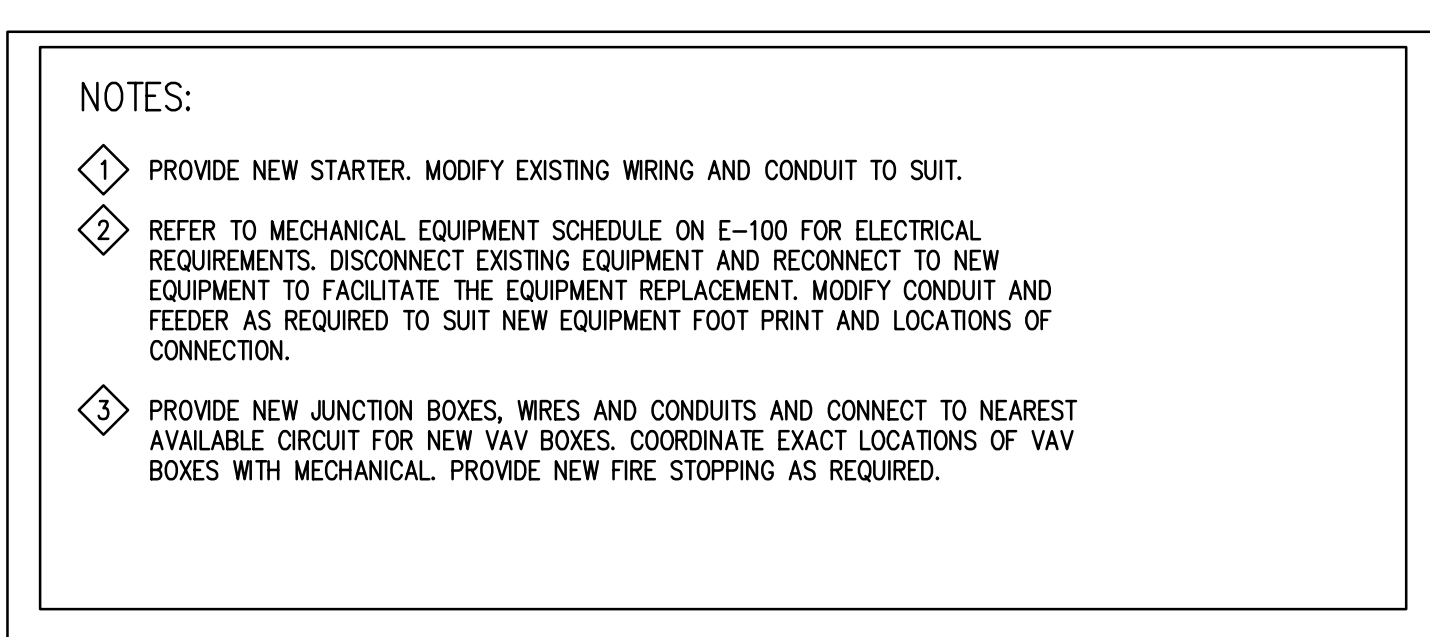
approved by
approuvé par **NN**

bid
offre **J.LEON** project manager
administrateur de projets

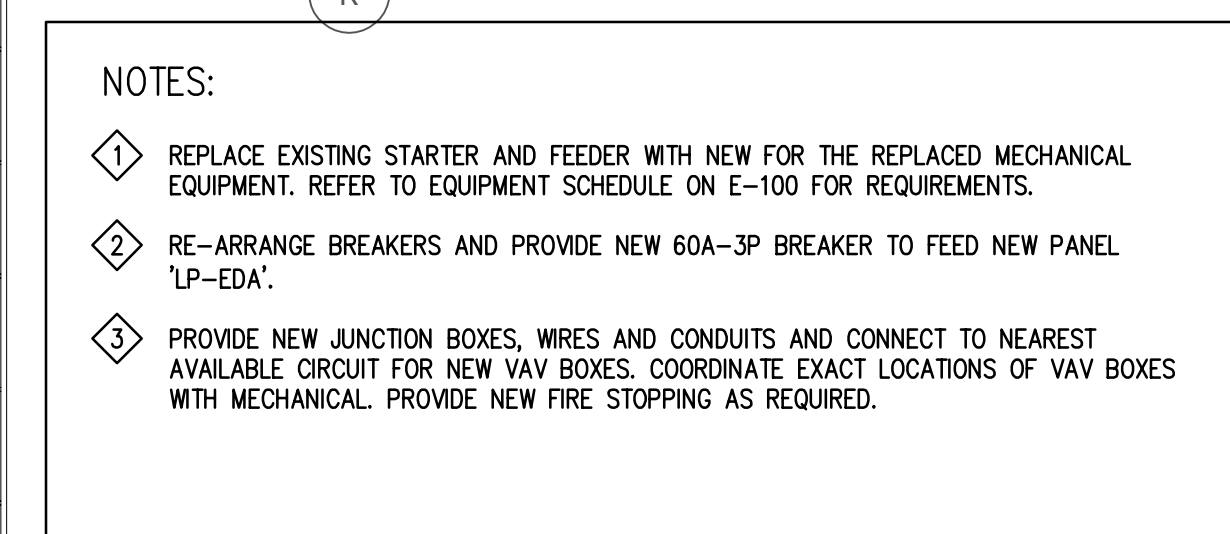
project date
date du projet **2016-01-26**

project no.
no. du projet
R.064667.004

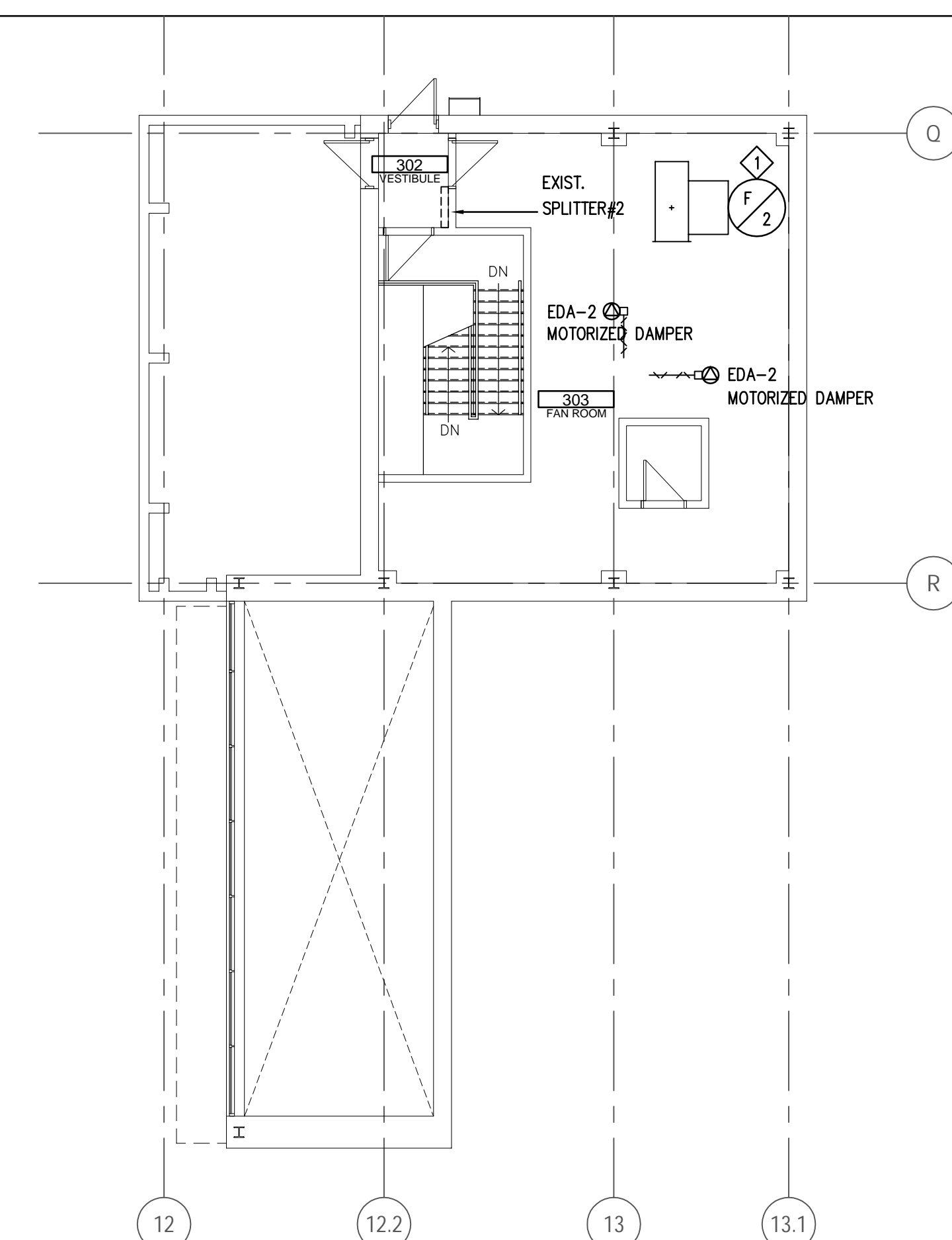
drawing no.
dessiné no. **E-200**



1 GROUND FLOOR - ADMIN WING
E-201 1:100



2 SECOND FLOOR - ADMIN WING
E-201 1:100




NOTE:

1 REFER TO MECHANICAL EQUIPMENT SCHEDULE ON E-100 FOR ELECTRICAL REQUIREMENTS. DISCONNECT EXISTING EQUIPMENT AND RECONNECT TO NEW EQUIPMENT TO FACILITATE THE EQUIPMENT REPLACEMENT. MODIFY CONDUIT AND FEEDER AS REQUIRED TO SUIT NEW EQUIPMENT FOOT PRINT AND LOCATIONS OF CONNECTION.

3 THIRD FLOOR - ADMIN WING
E-201 1:100

| | | |
|----|----------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | ISSUED FOR 100% CD | 2014.12.15 |
| 02 | ISSUED FOR 66% REVIEW | 2014.06.06 |
| 01 | ISSUED FOR 66% COSTING | 2014.05.29 |

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

 **A** Detail No.
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 PARRY SOUND | ONTARIO |
|--|----------------|

P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

BUILDING A
MAIN BUILDING - ADMIN WING
GROUND, SECOND & THIRD
FLOOR PLAN

drawn by
dessine par

| | |
|-------------------------|--------|
| designed by conc par | MC. NN |
|-------------------------|--------|

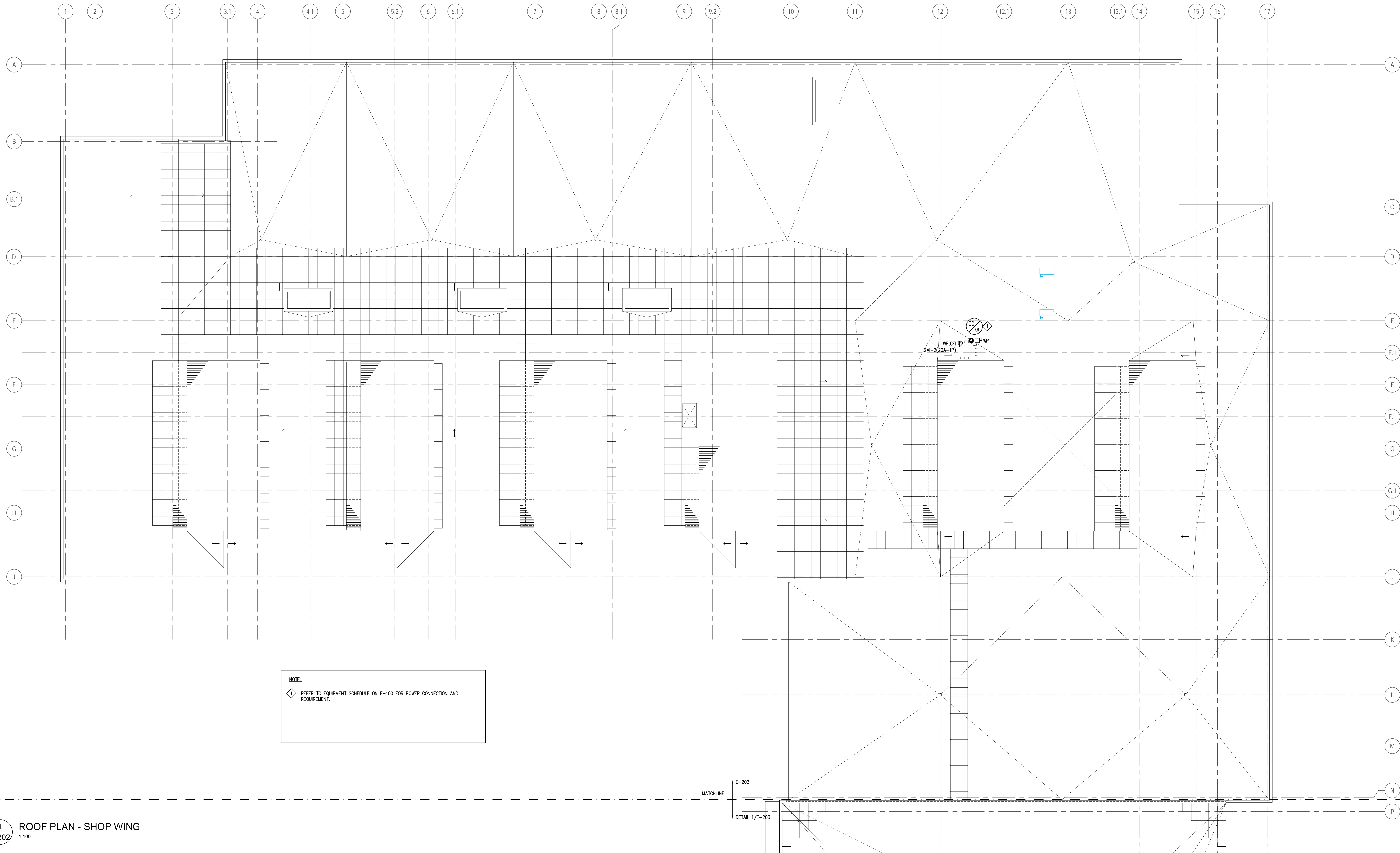
| | |
|--------------|----|
| approved by | |
| approuvé par | NN |

| | | |
|--------------|--------|---|
| bid offre | J.LEON | project manager administrateur de projets |
|--------------|--------|---|

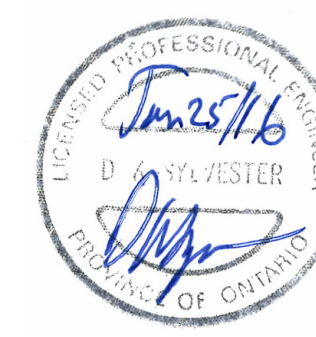
| | |
|--------------------------------|------------|
| project date date du projet | 2016-01-26 |
|--------------------------------|------------|

project no.
no. du projet
R.064667.004

dessine no. E-201



1 ROOF PLAN - SHOP WING
E-202 1:100



CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2255 Sheppard Avenue E., Suite E 331
North York, Ont. M2J 6T1
(416)497-3111 fax (416)497-7210

FOR BID PURPOSES AND NOT FOR CONSTRUCTION.

| | | |
|----------|----------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | ISSUED FOR 100% CD | 2014.12.15 |
| 02 | ISSUED FOR 66% REVIEW | 2014.06.06 |
| 01 | ISSUED FOR 66% COSTING | 2014.05.29 |
| 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 | drawing no. - where detail required |
| C | drawing no. - where detailed |

project title
titre du projet
PARRY SOUND ONTARIO

28 WAUBEEK STREET
P2A 1B9
CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING

drawing title
titre du dessin
BUILDING A
MAIN BUILDING - SHOP WING
ROOF PLAN

drawn by
dessiné par
MC

designed by
conçue par
MC, NN

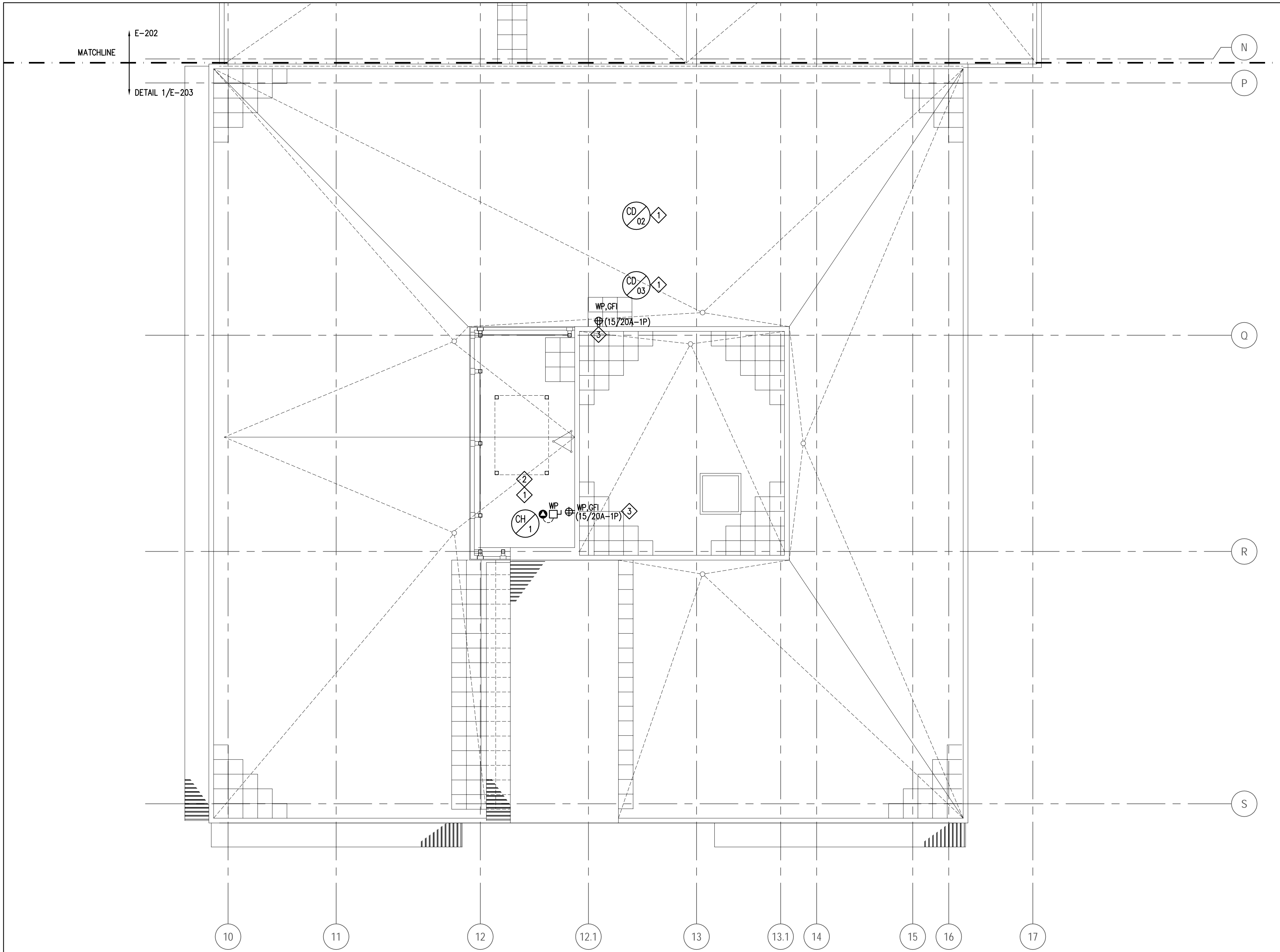
approved by
approuvé par
NN

bid
offre
J.LEON project manager
administrateur de projets

project date
date du projet
2016-01-26

project no.
no. du projet
R.064667.004

drawing no.
dessiné no.
E-202



NOTE:

- 1 REFER TO EQUIPMENT SCHEDULE ON E-100 FOR REQUIREMENT
- 2 REPLACE FUSED DISCONNECT AND FEEDER TO FACILITATE THE REPLACEMENT OF THE CHILLER.
- 3 CONNECT TO EXISTING PANEL G (REFER TO E-201/DETAIL 2) PROVIDE NEW 20A-1P BREAKER.

1 ROOF PLAN - ADMIN WING
E-203 1:100



CROSSEY ENGINEERING LTD.
CONSULTING ENGINEERS
ELECTRICAL, MECHANICAL, LIGHTING
2255 Sheppard Avenue E., Suite E 331
North York, On M2J 6T1
(416)497.3111 fax (416)497.7210

FOR BID PURPOSES AND NOT FOR CONSTRUCTION.

| | | |
|----------|----------------------------------|------------|
| 06 | ISSUED FOR TENDER | 2016.01.26 |
| 05 | ISSUED FOR TENDER | 2015.12.11 |
| 04 | ISSUED FOR CLASS A COST ESTIMATE | 2015.11.06 |
| 03 | ISSUED FOR 100% CD | 2014.12.15 |
| 02 | ISSUED FOR 66% REVIEW | 2014.06.06 |
| 01 | ISSUED FOR 66% COSTING | 2014.05.29 |
| 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. 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
PARRY SOUND ONTARIO
28 WAUBEEK STREET
P2A 1B9
**CANADIAN COAST GUARD BASE
HVAC UPGRADE TO MAIN BUILDING**

drawing title
titre du dessin
**BUILDING A
MAIN BUILDING - ADMIN WING
ROOF PLAN**

drawn by
dessiné par
MC

designed by
conçue par
MC, NN

approved by
approuvé par
NN

bid
offre
J.LEON project manager
administrateur de projets

project date
date du projet
2016-01-26

project no.
no. du projet
R.064667.004

drawing no.
dessiné no.
E-203

