

FITUP FOR  
CANADA REVENUE AGENCY  
GOVERNMENT OF CANADA BUILDING

32-46 CHURCH STREET, ST.CATHARINES, ONTARIO

PROJECT NUMBER: R.065355.001

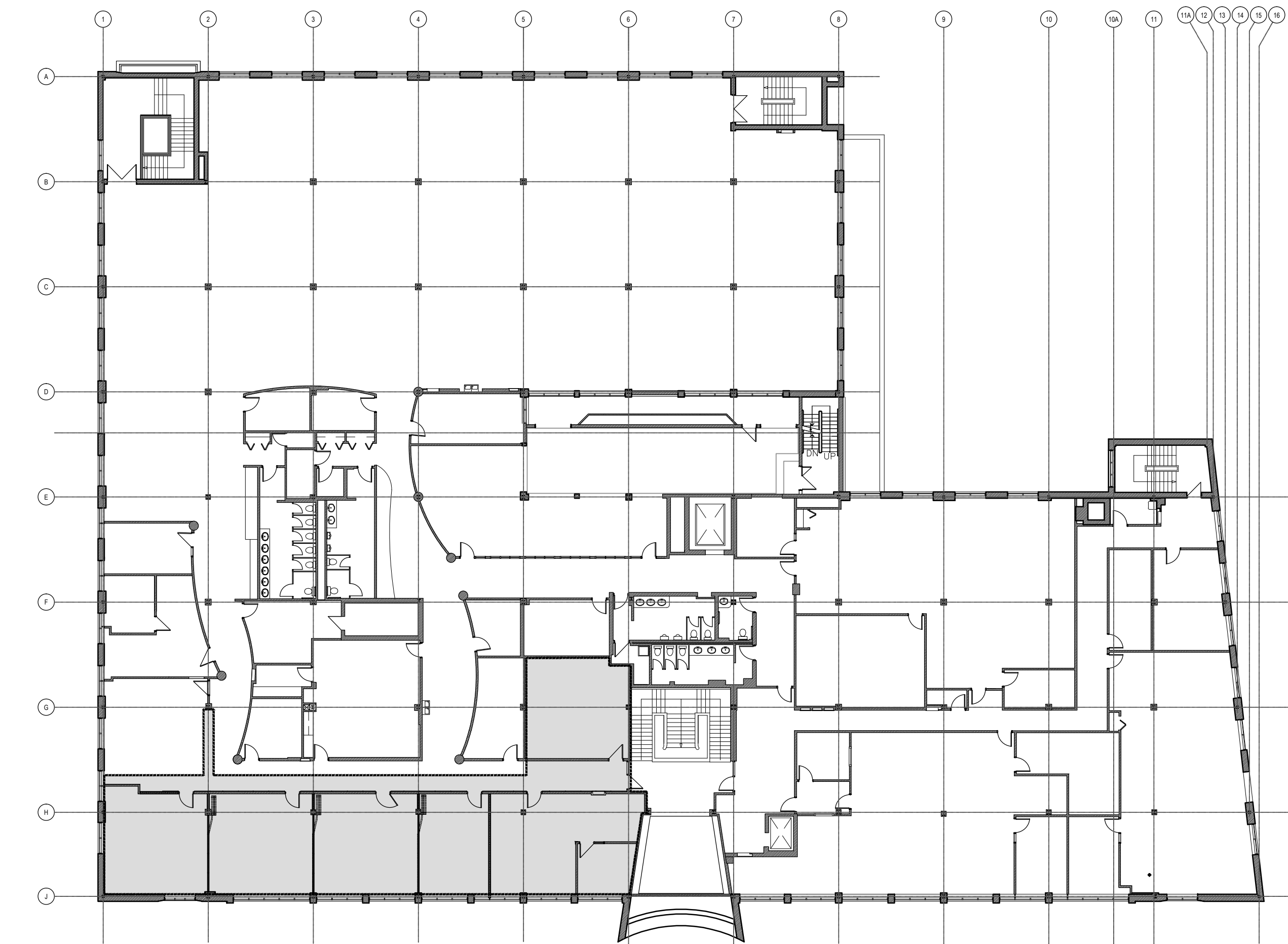
DRAWING LIST
A000 COVER SHEET
A201 GROUND FLOOR - EXISTING CONSTRUCTION
A202 SECOND FLOOR - EXISTING CONSTRUCTION
A211 GROUND FLOOR - DEMOLITION
A212 SECOND FLOOR - DEMOLITION
A221 GROUND FLOOR - NEW WORK
A222 SECOND FLOOR - NEW WORK
A301 GROUND FLOOR - REFLECTED CEILING PLAN - EXISTING
A302 SECOND FLOOR - REFLECTED CEILING PLAN - EXISTING
A311 GROUND FLOOR - REFLECTED CEILING PLAN - DEMOLITION
A312 SECOND FLOOR - REFLECTED CEILING PLAN - DEMOLITION
A321 GROUND FLOOR - REFLECTED CEILING PLAN - NEW WORK
A322 SECOND FLOOR - REFLECTED CEILING PLAN - NEW WORK
A600 CEILING & ROOF PENETRATION DETAILS
A700 PLAN DETAILS NEW VESTIBULE
A1000 DOOR & ROOM FINISH SCHEDULES

GENERAL NOTES
1. FURNITURE PACKAGE TO BE TENDERED SEPARATELY. GENERAL CONTRACTOR TO COORDINATE WITH FURNITURE INSTALLER.
2. CONTRACTOR TO COORDINATE WITH BUILDING OWNER. DELAYS DUE TO LACK OF COORDINATION WITH BUILDING OWNER ARE RESPONSIBILITY OF CONTRACTOR AND WILL BE RECTIFIED WITH EXTRA SHIFTS AS REQUIRED TO MEET PROJECT SCHEDULING MILESTONES.
3. REFER TO A-211 FOR HOARDING AND CONSTRUCTION ACCESS REQUIREMENTS. ANY SCOPE OF WORK BEYOND THE WORK ZONE HOARDING NEED TO BE PERFORMED AFTER NORMAL WORKING HOURS AND COORDINATED WITH BUILDING OWNER.
4. ADDITIONAL HOARDING TO BE PROVIDED TO LOADING DOCK VESTIBULE FOR AFTER HOURS BULK DEMOLITION WORK.
5. ALL DELIVERIES MUST BE COORDINATED WITH THE BUILDING OWNER AND OCCUR WEEKDAYS BETWEEN 6PM AND MIDNIGHT. TWO WEEKS NOTICE MUST BE GIVEN TO THE BUILDING OWNER FOR DELIVERIES.
6. REFERENCES TO MECHANICAL AND ELECTRICAL SCOPE HAVE BEEN MADE ON ARCHITECTURAL DRAWINGS FOR CONVENIENCE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF WORK.

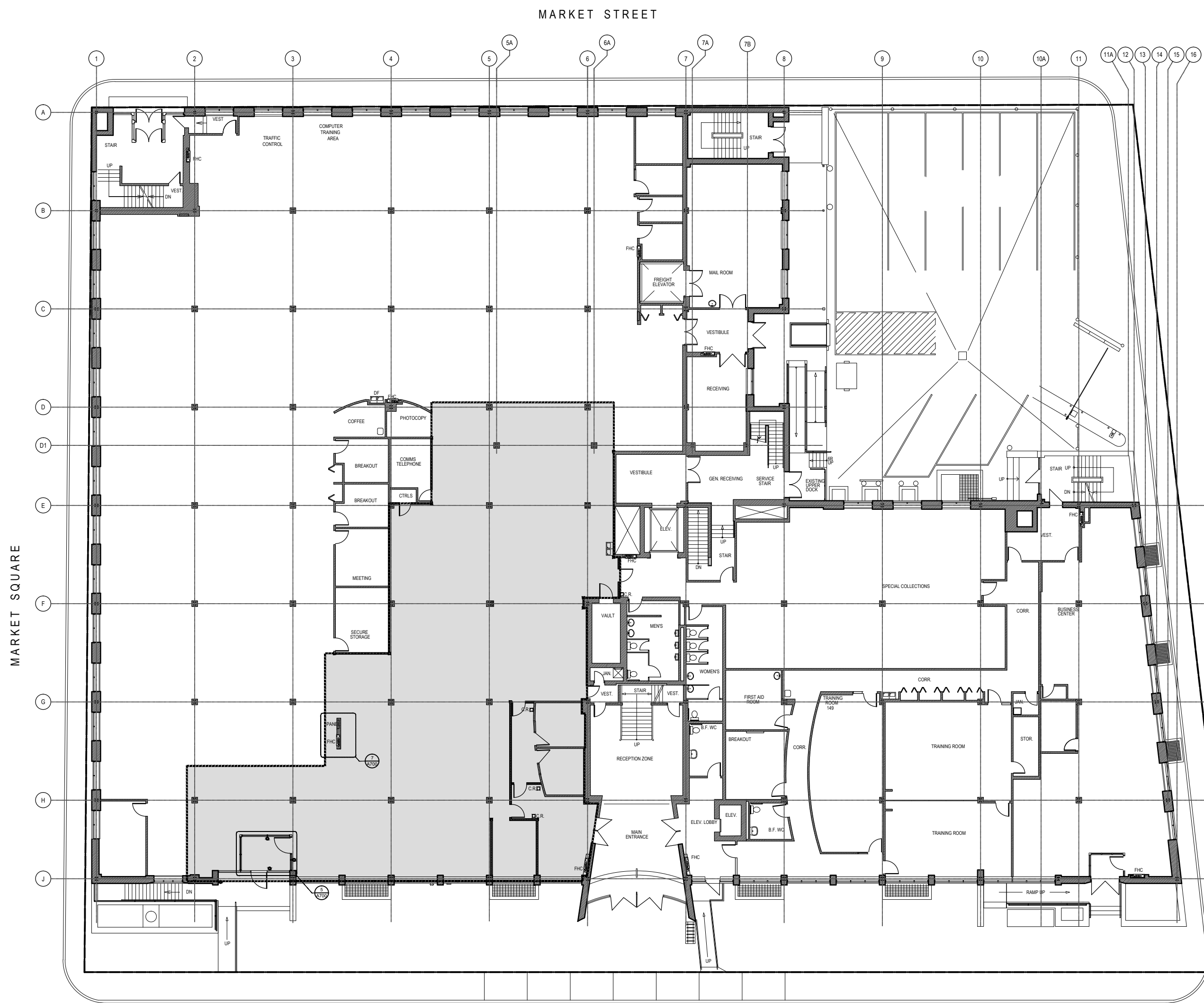
LEGEND
EXTENT OF PHASE ONE WORK
EXISTING WALL
NEW STC RATED DRYWALL ASSEMBLY REFER TO WALL TYPES FOR DETAILS
EXISTING DOOR
NEW DOOR
POWER DOOR OPERATOR
CORNER GUARD

WALL TAG	ASSEMBLY DETAIL	DESCRIPTION
◇		DRYWALL ASSEMBLY, STC 40 <ul style="list-style-type: none"><li>15.9MM GWB</li><li>25 GAUGE 92MM STEEL STUDS AT 600MM O.C.</li><li>15.9MM GWB</li></ul> FULL HEIGHT TO UNDERSIDE OF STRUCTURAL DECK
◇		DRYWALL ASSEMBLY, STC 40 <ul style="list-style-type: none"><li>15.9MM GWB</li><li>25 GAUGE 92MM STEEL STUDS AT 600MM O.C.</li><li>15.9MM GWB</li></ul> EXTEND 150MM ABOVE LINE OF ACT CEILING
◇		ONE-SIDED DRYWALL ASSEMBLY, 92MM <ul style="list-style-type: none"><li>15.9MM GWB</li><li>25 GAUGE 92MM STEEL STUDS AT 600MM O.C.</li></ul>
◇		ONE-SIDED DRYWALL ASSEMBLY, 64MM <ul style="list-style-type: none"><li>15.9MM GWB</li><li>25 GAUGE 64MM STEEL STUDS AT 600MM O.C.</li></ul>
◇		ONE-SIDED DRYWALL ASSEMBLY, 41MM <ul style="list-style-type: none"><li>15.9MM GWB</li><li>25 GAUGE 41MM STEEL STUDS AT 600MM O.C.</li></ul>
◇		DRYWALL ASSEMBLY ON FURRING CHANNELS <ul style="list-style-type: none"><li>15.9MM GWB</li><li>25 GAUGE FURRING CHANNELS AT 400MM O.C.</li></ul>
◇		ALUMINUM MULLION AND GLASS ASSEMBLY <ul style="list-style-type: none"><li>ALUMINUM PROFILES TO MATCH EXISTING</li></ul>
◇		CONSTRUCTION HOARDING ASSEMBLY <ul style="list-style-type: none"><li>15.9MM GWB</li><li>25 GAUGE 92MM STEEL STUDS AT 600MM O.C.</li><li>15.9MM GWB</li></ul> PARTITION TO U/S OF GWB/ACT GRID. 6MIL POLY DUST BARRIER TO U/S OF STRUCTURE. SEAL AROUND SERVICE PENETRATIONS.

CEILING TAG	ASSEMBLY DETAIL	DESCRIPTION
◇		GWB PANEL ON STEEL FRAME CANOPY <ul style="list-style-type: none"><li>22MM FURRING CHANNELS AT 600MM O.C. (MAX.)</li><li>WIRE TIED TO STEEL FRAME</li><li>15.9MM GWB PANEL SCREW FASTENED</li><li>ZINC CONTROL JOINT NO. 093</li></ul>
◇		DROP ACT IN SUSPENDED GRID <ul style="list-style-type: none"><li>PROVIDE ACOUSTIC GASKET BETWEEN WALL &amp; CEILING</li></ul>



2 SECOND FLOOR - LOCATION PLAN  
1:250



1 GROUND FLOOR - LOCATION PLAN  
1:250



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detail no.

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sheet no. -- where detailed

Projet  
CRA OFFICE FIT UP  
Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET  
ST. CATHARINES, ONT.

Dessin  
COVER SHEET  
Drawing

Conçu par Taylor Hazell Architects LTD.	Designed by 2013--10-17 Date
Dessiné par Abe G.	Drawn by 2013--10-17 Date
Approuvé par Jill Taylor	Approved by 2013--10-17 Date
Soumission	Tender
Administrateur de projets APC	PCA Project Manager
No de projet R.065355.001	Project number PCA
Nom du fichier 1384_A000 COVER_SHEET.DWG	File name No de classement
No de plan ou dessin	File no No feuille Sheet no A000



\\THASERVER\PROJECTS\2013\1384 ST CATHARINES CONCEPTUAL DESIGN FOR CRA & CSC (RE 1295)\DRAWINGS\WORKING DRAWINGS\1384\_GROUND\_FLOOR\_EXISTING.DWG

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MARKET SQUARE

MARKET STREET

CHURCH STREET

HELLIWELLS LANE

**LEGEND**

EXTENT OF PHASE ONE WORK

EXISTING WALL

**FLOOR FINISHES**

CARPET TILE

CERAMIC TILE

RESILIENT SHEET FLOORING

TERRAZZO FLOOR

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32-46 CHURCH STREET  
ST. CATHARINES, ONT.

Dessin  
Drawing

GROUND FLOOR PLAN  
EXISTING CONSTRUCTION



Conçu par  
Taylor Hazell Architects LTD.  
2013--10-17  
Date

Dessiné par  
Abe G.  
2013--10-17  
Date

Approuvé par  
Jill Taylor  
2013--10-17  
Date

Soumission  
Tender

Administrateur de projets APC  
PCA Project Manager

No de projet  
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APC  
PCA

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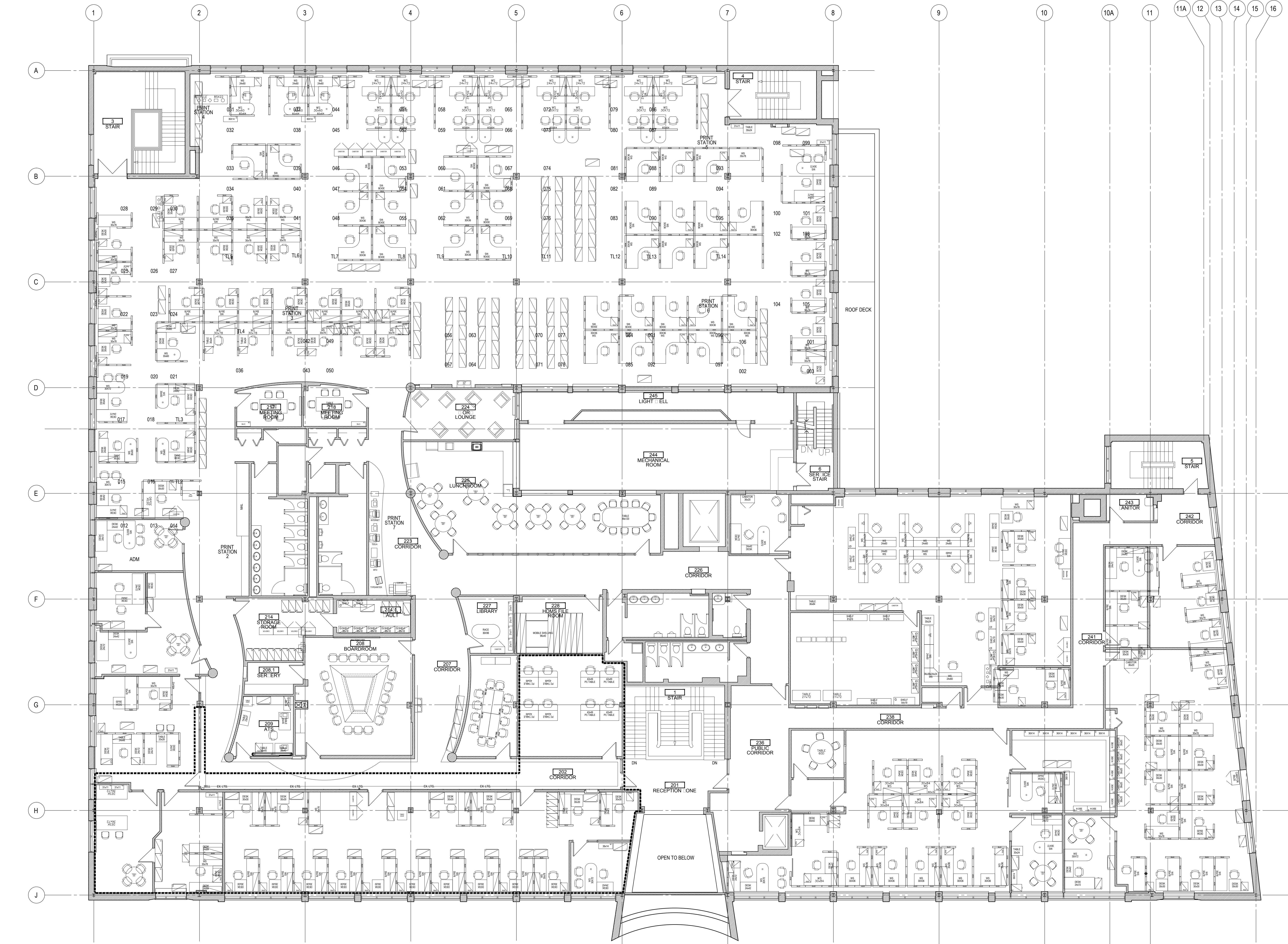
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A201



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**LEGEND**

EXTENT OF PHASE ONE WORK  
EXISTING WALL

**FLOOR FINISHES**

CARPET TILE  
CERAMIC TILE  
RESILIENT SHEET FLOORING

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CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin *SECOND FLOOR PLAN* Drawing  
*EXISTING CONSTRUCTION*

1 0 1 2 3 4 5  
METERS

Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10-17

Dessiné par *Abe G.* Drawn by  
Date 2013--10-17

Approuvé par *Jill Taylor* Approved by  
Date 2013--10-17

Soumission *PCA* Tender

Administrateur de projets APC *PCA Project Manager*

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APC *PCA*

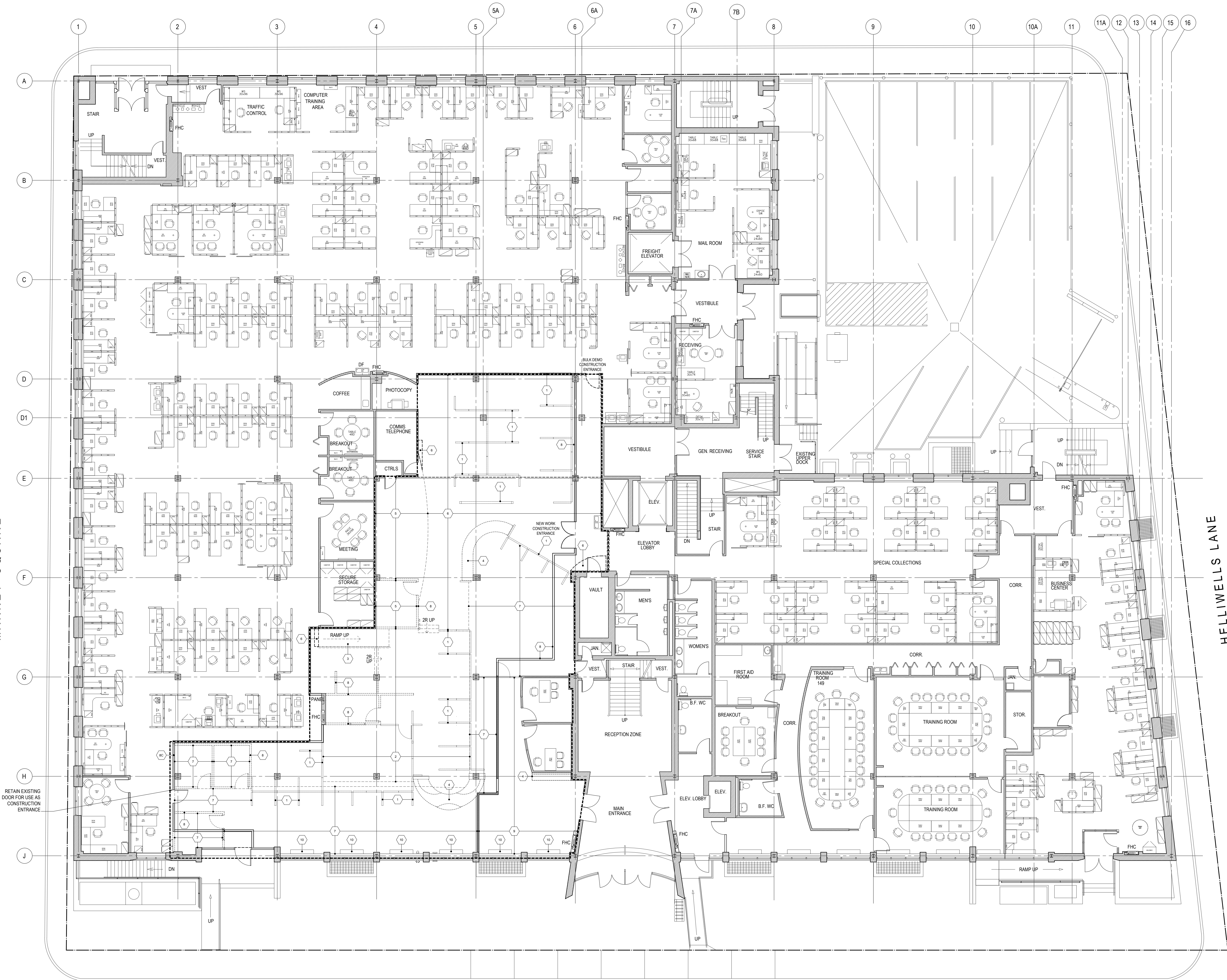
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EXISTING.DWG No de classement

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EXISTING.DWG No feuille Sheet no



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MARKET SQUARE



MARKET STREET

CHURCH STREET

HELLIWELLS LANE

- LEGEND**
- EXTENT OF PHASE ONE WORK
  - BULK DEMOLITION CONSTRUCTION HOARDING
  - NEW WORK CONSTRUCTION HOARDING
  - CONSTRUCT NEW WORK PARTITION - USE AS HOARDING
  - EXISTING WALL
  - EXISTING WALL CONSTRUCTION TO BE DEMOLISHED
  - EXISTING FURNITURE & PARTITIONS TO BE REMOVED
  - EXISTING CEILING CONSTRUCTION TO BE DEMOLISHED

**DEMOLITION GENERAL NOTES**

- DEMOLITION DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL DEMOLITION SCOPE OF WORK.
- CONTRACTOR TO MINIMIZE DISTURBANCE TO EXISTING PLASTER WALLS AND FINISHES TO REMAIN DURING COURSE OF CONSTRUCTION RELATED ACTIVITIES.
- DEMOLITION OTHER THAN THAT INDICATED IN THESE NOTES MUST BE APPROVED BY THE CONSULTANT BEFORE WORK CAN PROCEED.
- TEMPORARY WORK, OPENINGS AND CONSTRUCTION ACCESS MUST BE RESTORED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION METHODS AND MATERIALS.
- THE METHOD OF DEMOLITION SHALL NOT DISTURB EXISTING CONDITIONS ANY DAMAGE TO THE INTEGRITY OF THE EXISTING STRUCTURE TO REMAIN INCLUDING PLASTER AS A RESULT OF DEMOLITION SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION, METHODS AND MATERIALS.
- FOR ADDITIONAL FLOOR AND WALL OPENINGS, SEE MECHANICAL AND ELECTRICAL DRAWINGS.
- CONTRACTOR TO REVIEW W/ OWNER ALL FURNISHINGS, MILLWORK, LOOSE BOXES, MOVEABLE PARTITIONS & OFFICE EQUIPMENT PRIOR TO DISPOSAL. CONTRACTOR TO MOVE ITEMS TO BE SALVAGED TO AREA DESIGNATED BY OWNER & DISPOSE OF REMAINING.
- WHERE EXISTING FLOOR FINISH HAS BEEN REMOVED, CLEAN TOP OF SUBFLOOR TO ENSURE SMOOTH SURFACE FOR NEW WORK.
- PATCH REMAINING WALL AND FINISHES AS REQUIRED TO MATCH ADJACENT WALLS WHERE DEMOLISHED WALLS MEET WALLS TO REMAIN.
- PROTECT ALL WINDOW SILLS, RADIATORS (AND OUTLET GRILLES) DURING COURSE OF WORK AND REPLACE TO MATCH EXISTING IF DAMAGED.
- REMOVE EXISTING ACT CEILING TO EXTENTS INDICATED ON DRAWING A311. REFER TO MECHANICAL AND ELECTRICAL FOR MORE INFORMATION.

**DEMOLITION NOTES**

- REMOVAL OF EXISTING SYSTEMS FURNITURE PARTITIONS AND ASSOCIATED WORK SURFACES, REMAINING FURNITURE, OVERHEAD STORAGE CABINETS, ELECTRICAL & IT CONNECTIONS BY OTHERS.
- REMOVE RAISED FLOOR CONSTRUCTION AND ALL ASSOCIATED FINISHES, ELECTRICAL & DATA CONNECTIONS REMOVED BY OTHERS PRIOR TO DEMOLITION.
- REMOVE EXISTING RAMP & HANDRAIL.
- REMOVE EXISTING COUNTERTOPS & MILLWORK.
- REMOVE EXISTING RESILIENT SHEET FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR.
- REMOVE EXISTING CARPET FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR. SALVAGE BEIGE FEATURE CARPET FINISH FOR REUSE IN NEW WORK.
- REMOVE EXISTING CERAMIC TILE FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR.
- REMOVE METAL STUD AND GYPSUM BOARD PARTITIONS TO UNDERSIDE OF STRUCTURE AND ASSOCIATED ELECTRICAL, IT, DOORS AND FRAMES.
- RETAIN PARTITION FOR USE AS CONSTRUCTION HOARDING. DEMOLISH AT FINAL PHASE OF CONSTRUCTION.
- RETAIN CERAMIC TILE FLOOR FINISH BEYOND PROPOSED LINE OF NEW PARTITION CONSTRUCTION.
- PROTECT EXISTING FAN COIL UNITS AND MILLWORK CASINGS DURING DEMOLITION.

**RCP DEMOLITION NOTES**

- REMOVE ACOUSTIC TILE CEILING PANELS AND SUSPENDED GRID. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
- REMOVE GNB BULKHEAD AND ASSOCIATED STEEL STUD BACKUP STRUCTURE. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
- REMOVE SUSPENDED WOOD FEATURE BULKHEAD ALONG WITH ASSOCIATED LIGHT FIXTURES, ELECTRICAL.
- REMOVE AND REINSTATE EXISTING ACOUSTIC TILE CEILING PANELS. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.

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Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin *GROUND FLOOR PLAN DEMOLITION* Drawing

GROUND FLOOR PLAN  
DEMOLITION



Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10--17  
Dessiné par *Abe G.* Drawn by  
Date 2013--10--17  
Approuvé par *Jill Taylor* Approved by  
Date 2013--10--17  
Soumission *Tender*

Administrateur de projets APC *PCA Project Manager*

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APC *PCA*

Nom du fichier *1384\_GROUND\_FLOOR DEMO.DWG* File name  
No de classement

No de plan ou dessin *A211* File no  
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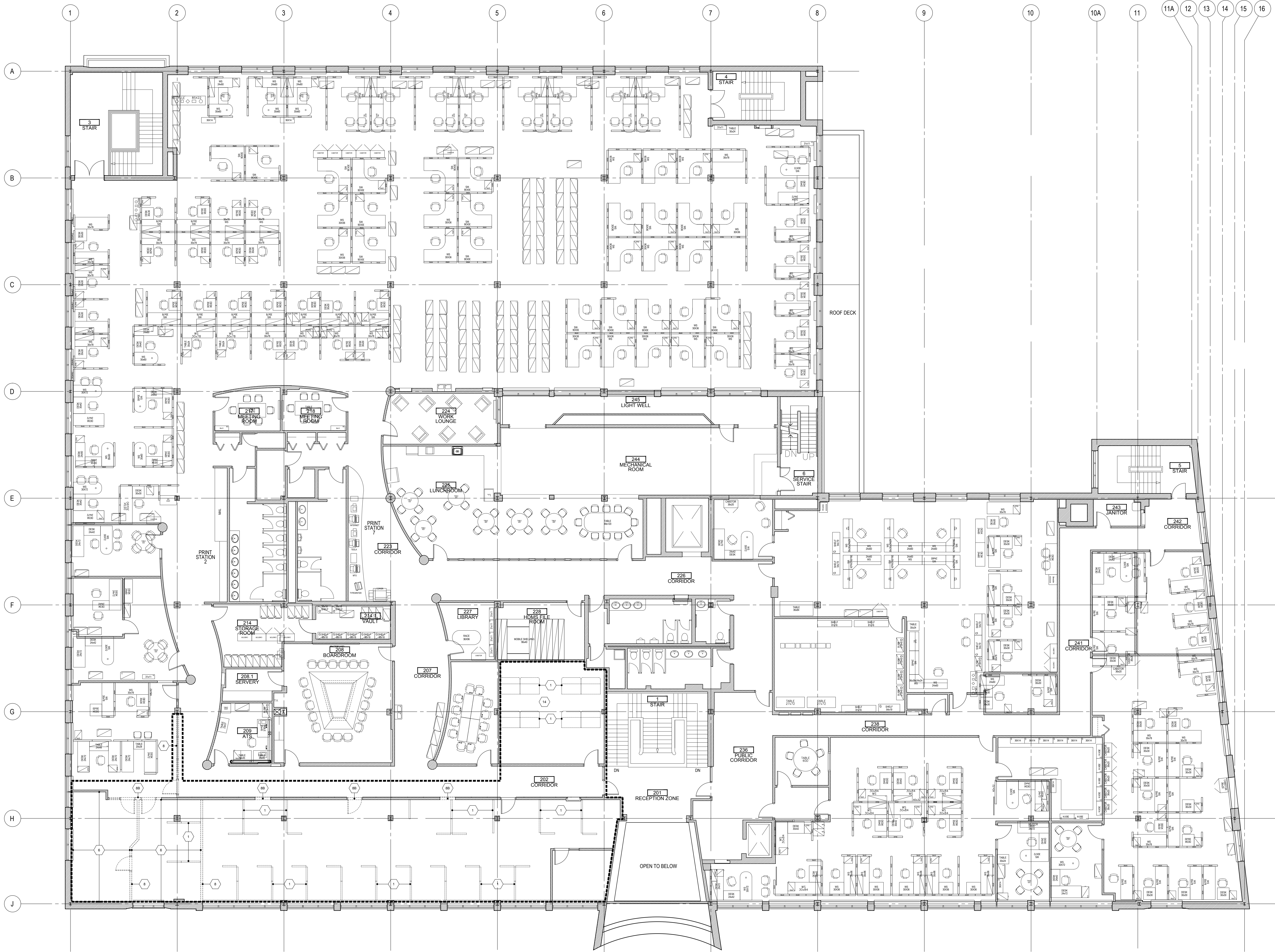
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1  
A212

SECOND FLOOR - DEMOLITION

1:100



- LEGEND**
- EXTENT OF PHASE ONE WORK
  - EXISTING WALL
  - EXISTING WALL CONSTRUCTION TO BE DEMOLISHED
  - EXISTING FURNITURE & PARTITIONS TO BE REMOVED
  - EXISTING CEILING CONSTRUCTION TO BE DEMOLISHED

- DEMOLITION GENERAL NOTES**
- DEMOLITION DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL DEMOLITION SCOPE OF WORK.
  - CONTRACTOR TO MINIMIZE DISTURBANCE TO EXISTING PLASTER WALLS AND FINISHES TO REMAIN DURING COURSE OF CONSTRUCTION RELATED ACTIVITIES.
  - DEMOLITION OTHER THAN THAT INDICATED IN THESE NOTES MUST BE APPROVED BY THE CONSULTANT BEFORE WORK CAN PROCEED.
  - TEMPORARY WORK, OPENINGS AND CONSTRUCTION ACCESS MUST BE RESTORED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION METHODS AND MATERIALS.
  - THE METHOD OF DEMOLITION SHALL NOT DISTURB EXISTING CONDITIONS. ANY DAMAGE TO THE INTEGRITY OF THE EXISTING STRUCTURE TO REMAIN INCLUDING PLASTER AS A RESULT OF DEMOLITION SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION METHODS AND MATERIALS.
  - FOR ADDITIONAL FLOOR AND WALL OPENINGS, SEE MECHANICAL AND ELECTRICAL DRAWINGS.
  - CONTRACTOR TO REVIEW W/ OWNER ALL FURNISHINGS, MILLWORK, LOOSE BOXES, MOVEABLE PARTITIONS & OFFICE EQUIPMENT PRIOR TO DISPOSAL. CONTRACTOR TO MOVE ITEMS TO BE SALVAGED TO AREA DESIGNATED BY OWNER & DISPOSE OF REMAINING.
  - WHERE EXISTING FLOOR FINISH HAS BEEN REMOVED, CLEAN TOP OF SUBFLOOR TO ENSURE SMOOTH SURFACE FOR NEW WORK.
  - PATCH REMAINING WALL AND FINISHES AS REQUIRED TO MATCH ADJACENT WALLS WHERE DEMOLISHED WALLS MEET WALLS TO REMAIN.
  - PROTECT ALL WINDOW SILLS, RADIATORS (AND OUTLET GRILLES) DURING COURSE OF WORK AND REPLACE TO MATCH EXISTING IF DAMAGED.
  - REMOVE EXISTING ACT CEILING TO EXTENTS INDICATED ON DRAWING A311. REFER TO MECHANICAL AND ELECTRICAL FOR MORE INFORMATION.

- DEMOLITION NOTES**
- REMOVAL OF EXISTING SYSTEMS FURNITURE PARTITIONS AND ASSOCIATED WORK SURFACES. REMAINING FURNITURE, OVERHEAD STORAGE CABINETS, ELECTRICAL & IT CONNECTIONS BY OTHERS.
  - REMOVE RAISED FLOOR CONSTRUCTION AND ALL ASSOCIATED FINISHES. ELECTRICAL & DATA CONNECTIONS REMOVED BY OTHERS PRIOR TO DEMOLITION.
  - REMOVE EXISTING RAMP & HANDRAIL.
  - REMOVE EXISTING COUNTERTOPS & ASSOCIATED MILLWORK.
  - REMOVE EXISTING RESILIENT SHEET FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO T/O SUBFLOOR.
  - REMOVE EXISTING CARPET FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO T/O SUBFLOOR. SALVAGE BEIGE FEATURE CARPET FINISH FOR REUSE IN NEW WORK.
  - REMOVE EXISTING CERAMIC TILE FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO T/O SUBFLOOR.
  - REMOVE METAL STUD AND GYPSUM BOARD PARTITIONS TO UNDERSIDE OF STRUCTURE AND ASSOCIATED ELECTRICAL, IT, DOORS AND FRAMES.
  - REMOVE METAL STUD AND GYPSUM BOARD PARTITIONS TO UNDERSIDE OF STRUCTURE AND ASSOCIATED ELECTRICAL, IT, DOORS AND FRAMES. SALVAGE MARBLE FINISH PANELS.
  - RETAIN CERAMIC TILE FLOOR FINISH BEYOND PROPOSED LINE OF NEW PARTITION CONSTRUCTION.
  - PROTECT EXISTING FAN COIL UNITS AND MILLWORK CASINGS DURING DEMOLITION.

- RCP DEMOLITION NOTES**
- REMOVE ACOUSTIC TILE CEILING PANELS AND SUSPENDED GRID. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
  - REMOVE GWS BULKHEAD AND ASSOCIATED STEEL STUD BACKUP STRUCTURE. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
  - REMOVE SUSPENDED WOOD FEATURE BULKHEAD ALONG WITH ASSOCIATED LIGHT FIXTURES, ELECTRICAL.
  - REMOVE AND REINSTATE EXISTING ACOUSTIC TILE CEILING PANELS. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.

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Dessin *SECOND FLOOR PLAN DEMOLITION* Drawing

SECOND FLOOR PLAN  
DEMOLITION



Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10-17  
Dessiné par *Abe G.* Drawn by  
Date 2013--10-17  
Approuvé par *Jill Taylor* Approved by  
Date 2013--10-17  
Soumission Tender

Administrateur de projets APC PCA Project Manager

No de projet *R.065355.001* Project number  
APC PCA

Nom du fichier *1384\_SECOND\_FLOOR DEMO.DWG* File name No de classement

No de plan ou dessin *A212* File no No feuille Sheet no



MARKET SQUARE

MARKET STREET

CHURCH STREET

HELLIWELLS LANE

- LEGEND**
- EXTENT OF PHASE ONE WORK
  - EXISTING WALL
  - NEW STC RATED DRYWALL ASSEMBLY  
FULL HEIGHT TO UNDERSIDE OF STRUCTURE
  - LINE OF EXISTING GWB CEILING BULKHEAD
  - LINE OF EXISTING ACT PANELS & SUSPENDED GRID
  - LINE OF NEW GWB CEILING BULKHEAD
  - LINE OF NEW ACT PANELS & SUSPENDED GRID
  - POWER DOOR OPERATOR
  - CORNER GUARD
  - C.R. CARD READER
  - EXIT SIGN
  - POWER POLE

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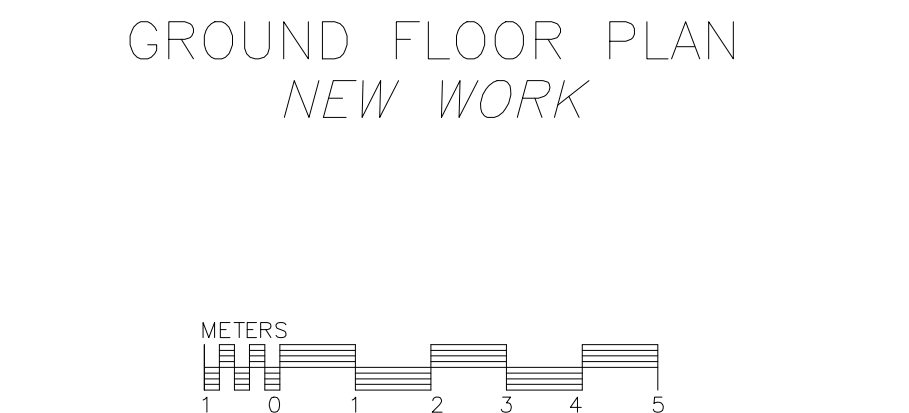
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detail no.  
B no. de la feuille--où détaillé  
sheet no. -- where detailed

Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET  
ST. CATHARINES, ONT.

Dessin *GROUND FLOOR PLAN* Drawing  
*NEW WORK*



Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10-17

Dessiné par *Abe G.* Drawn by  
Date 2013--10-17

Approuvé par *Jill Taylor* Approved by  
Date 2013--10-17

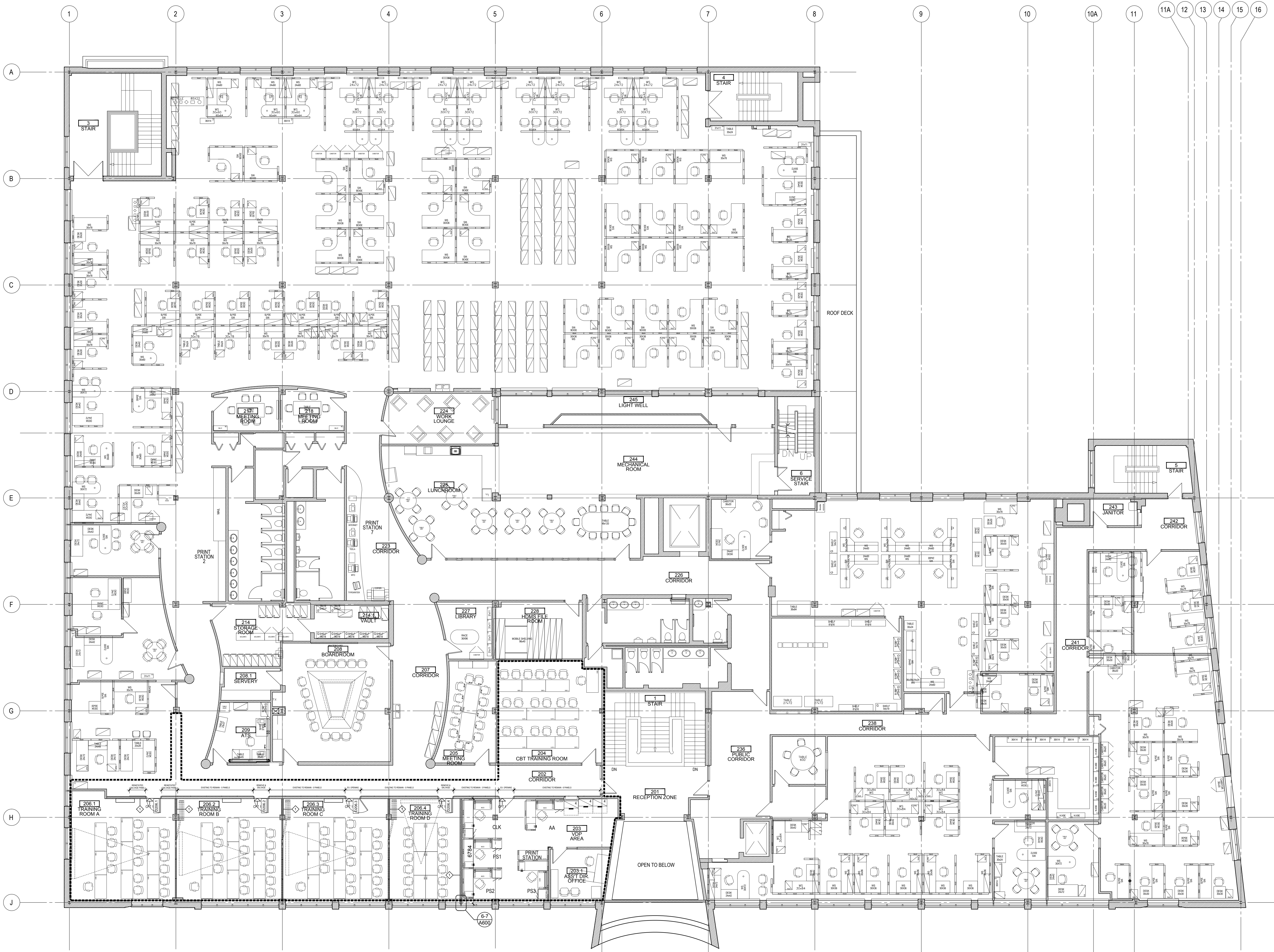
Soumission *Administrateur de projets APC* Tender  
PCA Project Manager

No de projet *R.065355.001* Project number  
APC PCA

Nom du fichier *1384\_GROUND\_FLOOR* File name  
*NEW\_WORK.DWG* No de classement

No de plan ou dessin *A221* File no  
No feuille Sheet no





**LEGEND**

EXTENT OF PHASE ONE WORK

EXISTING WALL

NEW STC RATED DRYWALL ASSEMBLY  
FULL HEIGHT TO UNDERSIDE OF STRUCTURE

L CORNER GUARD

**NOTES**

1 INSTALL 19 mm VENEER CORE PLY BETWEEN EXISTING FRAMING TO SUPPORT PROJECTION SCREEN BY A.V. CONTRACTOR

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Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin *SECOND FLOOR PLAN* Drawing

*NEW WORK*



Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10-17  
Dessiné par *Abe G.* Drawn by  
Date 2013--10-17  
Approuvé par *Jill Taylor* Approved by  
Date 2013--10-17  
Soumission Tender

Administrateur de projets APC PCA Project Manager

No de projet *R.065355.001* Project number  
APC PCA  
Nom du fichier *1384\_SECOND\_FLOOR\_NEW\_WORK.DWG* File name  
No de classement

No de plan ou dessin *A222* File name  
No feuille  
Sheet no



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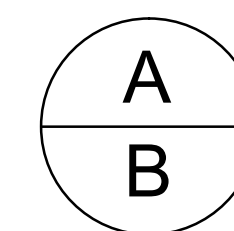
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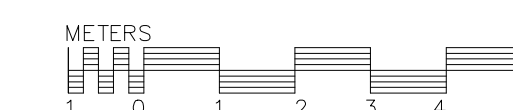
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CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin	Drawin
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GROUND FLOOR PLAN  
EXISTING RCP



Conçu par	Designed by
Taylor Hazell Architects LTD.	2013--10-17

Dessiné par	Drawn by
Abe G.	2013--10-17
	Date

Approuvé par	Approved by
Jill Taylor	2013--10-17
	Date

Soumission	Tende
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Administrateur de projets APC *PCA Project Manage*

No de projet	Project number
R.065355.001	

APC	PCA		
Nom du fichier	Fic. corr.	N° de classement	

Nom du fichier	File name	N° de classement
1384_GROUND_FLOOR EXISTING.DWG		File no

No de plan ou dessin	<i>File name</i>	No feuille	<i>Sheet n</i>
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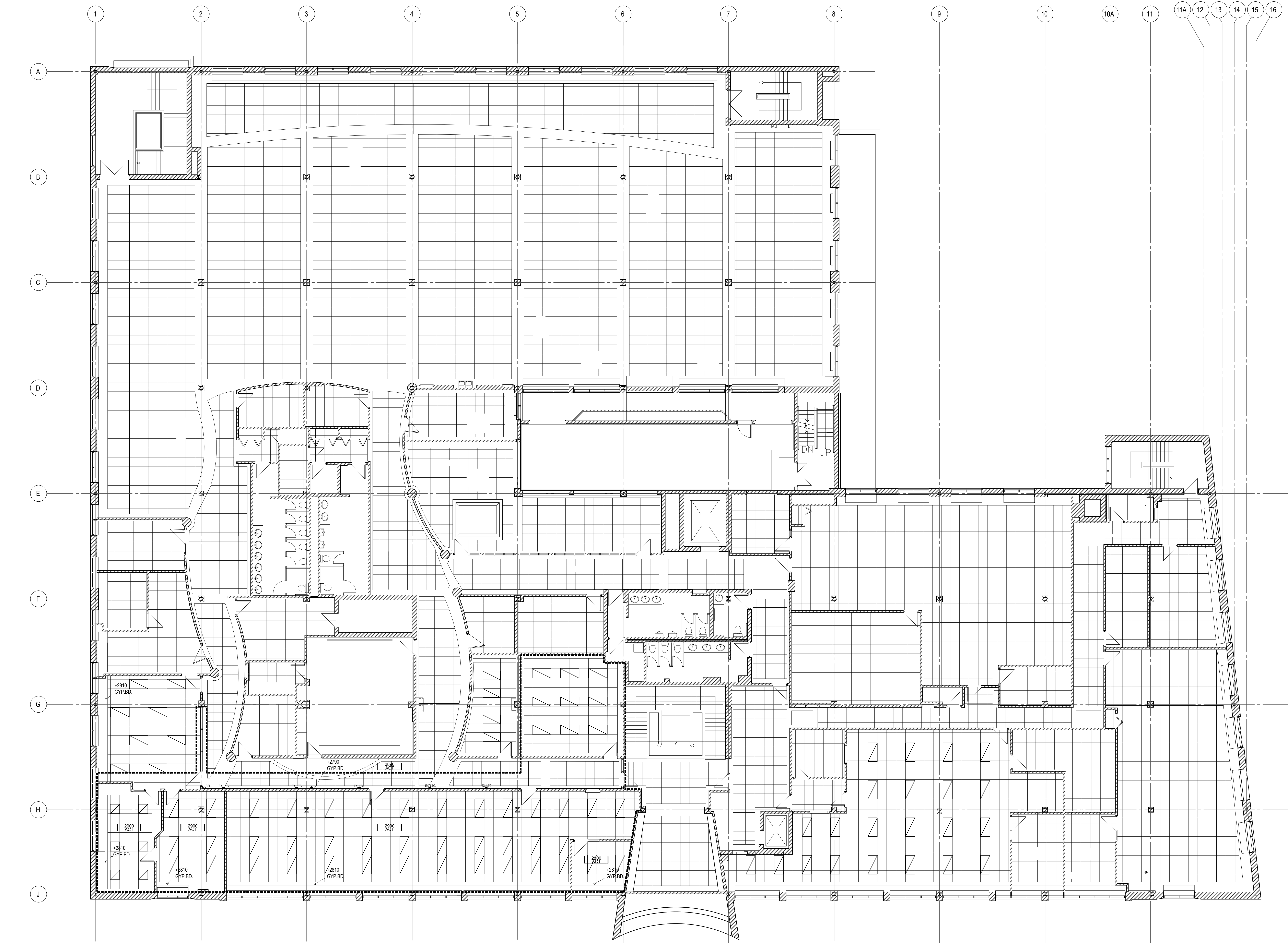


CHURCH STREET



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AutoCAD 2013/11/20



**LEGEND**

EXTENT OF PHASE ONE WORK

EXISTING WALL

**ACT TYPES**

1220mm x 610mm TILE - STANDARD

1220mm x 610mm TILE - TEGULAR DETAIL

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Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin *SECOND FLOOR PLAN* Drawing  
*EXISTING RCP*

1 0 1 2 3 4 5  
METERS

Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10-17

Dessiné par *Abe G.* Drawn by  
Date 2013--10-17

Approuvé par *Jill Taylor* Approved by  
Date 2013--10-17

Soumission Tender

Administrateur de projets APC PCA Project Manager

No de projet *R.065355.001* Project number  
APC PCA

Nom du fichier *1384\_SECOND\_FLOOR* File name  
*EXISTING.DWG* No de classement

No de plan ou dessin *A302* File no  
No feuille Sheet no



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AutoCAD 2013/11/28

MARKET SQUARE

MARKET STREET

CHURCH STREET

HELLIWELLS LANE

- LEGEND**
- EXTENT OF PHASE ONE WORK
  - BULK DEMOLITION CONSTRUCTION HOARDING
  - NEW WORK CONSTRUCTION HOARDING
  - CONSTRUCT NEW WORK PARTITION - USE AS HOARDING
  - EXISTING WALL
  - EXISTING WALL CONSTRUCTION TO BE DEMOLISHED
  - EXISTING FURNITURE & PARTITIONS TO BE REMOVED
  - EXISTING CEILING CONSTRUCTION TO BE DEMOLISHED

- DEMOLITION GENERAL NOTES**
- DEMOLITION DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL DEMOLITION SCOPE OF WORK.
  - CONTRACTOR TO MINIMIZE DISTURBANCE TO EXISTING PLASTER WALLS AND FINISHES TO REMAIN DURING COURSE OF CONSTRUCTION RELATED ACTIVITIES.
  - DEMOLITION OTHER THAN THAT INDICATED IN THESE NOTES MUST BE APPROVED BY THE CONSULTANT BEFORE WORK CAN PROCEED.
  - TEMPORARY WORK, OPENINGS AND CONSTRUCTION ACCESS MUST BE RESTORED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION METHODS AND MATERIALS.
  - THE METHOD OF DEMOLITION SHALL NOT DISTURB EXISTING CONDITIONS ANY DAMAGE TO THE INTEGRITY OF THE EXISTING STRUCTURE TO REMAIN INCLUDING PLASTER AS A RESULT OF DEMOLITION SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION, METHODS AND MATERIALS.
  - FOR ADDITIONAL FLOOR AND WALL OPENINGS, SEE MECHANICAL AND ELECTRICAL DRAWINGS.
  - CONTRACTOR TO REVIEW W/ OWNER ALL FURNISHINGS, MILLWORK, LOOSE BOXES, MOVABLE PARTITIONS & OFFICE EQUIPMENT PRIOR TO DISPOSAL. CONTRACTOR TO MOVE ITEMS TO BE SALVAGED TO AREA DESIGNATED BY OWNER & DISPOSE OF REMAINING.
  - WHERE EXISTING FLOOR FINISH HAS BEEN REMOVED, CLEAN TOP OF SUBFLOOR TO ENSURE SMOOTH SURFACE FOR NEW WORK.
  - PATCH REMAINING WALL AND FINISHES AS REQUIRED TO MATCH ADJACENT WALLS WHERE DEMOLISHED WALLS MEET WALLS TO REMAIN.
  - PROTECT ALL WINDOW SILLS, RADIATORS (AND OUTLET GRILLES) DURING COURSE OF WORK AND REPLACE TO MATCH EXISTING IF DAMAGED.
  - REMOVE EXISTING ACT CEILING TO EXTENTS INDICATED ON DRAWING A311. REFER TO MECHANICAL AND ELECTRICAL FOR MORE INFORMATION.

- DEMOLITION NOTES**
- REMOVAL OF EXISTING SYSTEMS FURNITURE PARTITIONS AND ASSOCIATED WORK SURFACES, REMAINING FURNITURE, OVERHEAD STORAGE CABINETS, ELECTRICAL & IT CONNECTIONS BY OTHERS.
  - REMOVE RAISED FLOOR CONSTRUCTION AND ALL ASSOCIATED FINISHES, ELECTRICAL & DATA CONNECTIONS REMOVED BY OTHERS PRIOR TO DEMOLITION.
  - REMOVE EXISTING RAMP & HANDRAIL.
  - REMOVE EXISTING COUNTERTOPS & MILLWORK.
  - REMOVE EXISTING RESILIENT SHEET FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR. SALVAGE BEIGE FEATURE CARPET FINISH FOR REUSE IN NEW WORK.
  - REMOVE EXISTING CERAMIC TILE FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR.
  - REMOVE METAL STUD AND GYPSUM BOARD PARTITIONS TO UNDERSIDE OF STRUCTURE AND ASSOCIATED ELECTRICAL, IT, DOORS AND FRAMES.
  - RETAIN PARTITION FOR USE AS CONSTRUCTION HOARDING. DEMOLISH AT FINAL PHASE OF CONSTRUCTION.
  - RETAIN CERAMIC TILE FLOOR FINISH BEYOND PROPOSED LINE OF NEW PARTITION CONSTRUCTION.
  - PROTECT EXISTING FAN COIL UNITS AND MILLWORK CASINGS DURING DEMOLITION.

- RCP DEMOLITION NOTES**
- REMOVE ACOUSTIC TILE CEILING PANELS AND SUSPENDED GRID. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
  - REMOVE GNB BULKHEAD AND ASSOCIATED STEEL STUD BACKUP STRUCTURE. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
  - REMOVE SUSPENDED WOOD FEATURE BULKHEAD ALONG WITH ASSOCIATED LIGHT FIXTURES, ELECTRICAL.
  - REMOVE AND REINSTATE EXISTING ACOUSTIC TILE CEILING PANELS. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.

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Projet  
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Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin  
Drawing

GROUND FLOOR PLAN  
RCP DEMOLITION



Conçu par  
Taylor Hazell Architects LTD.  
Designed by  
2013--10-17  
Date

Dessiné par  
Abe G.  
Drawn by  
2013--10-17  
Date

Approuvé par  
Jill Taylor  
Approved by  
2013--10-17  
Date

Soumission  
Tender

Administrateur de projets APC  
PCA Project Manager

No de projet  
R.065355.001  
Project number  
PCA

Nom du fichier  
1384\_GROUND\_FLOOR  
DEMO.DWG  
File name  
No de classement

No de plan ou dessin  
File name  
No feuille  
Sheet no

A311



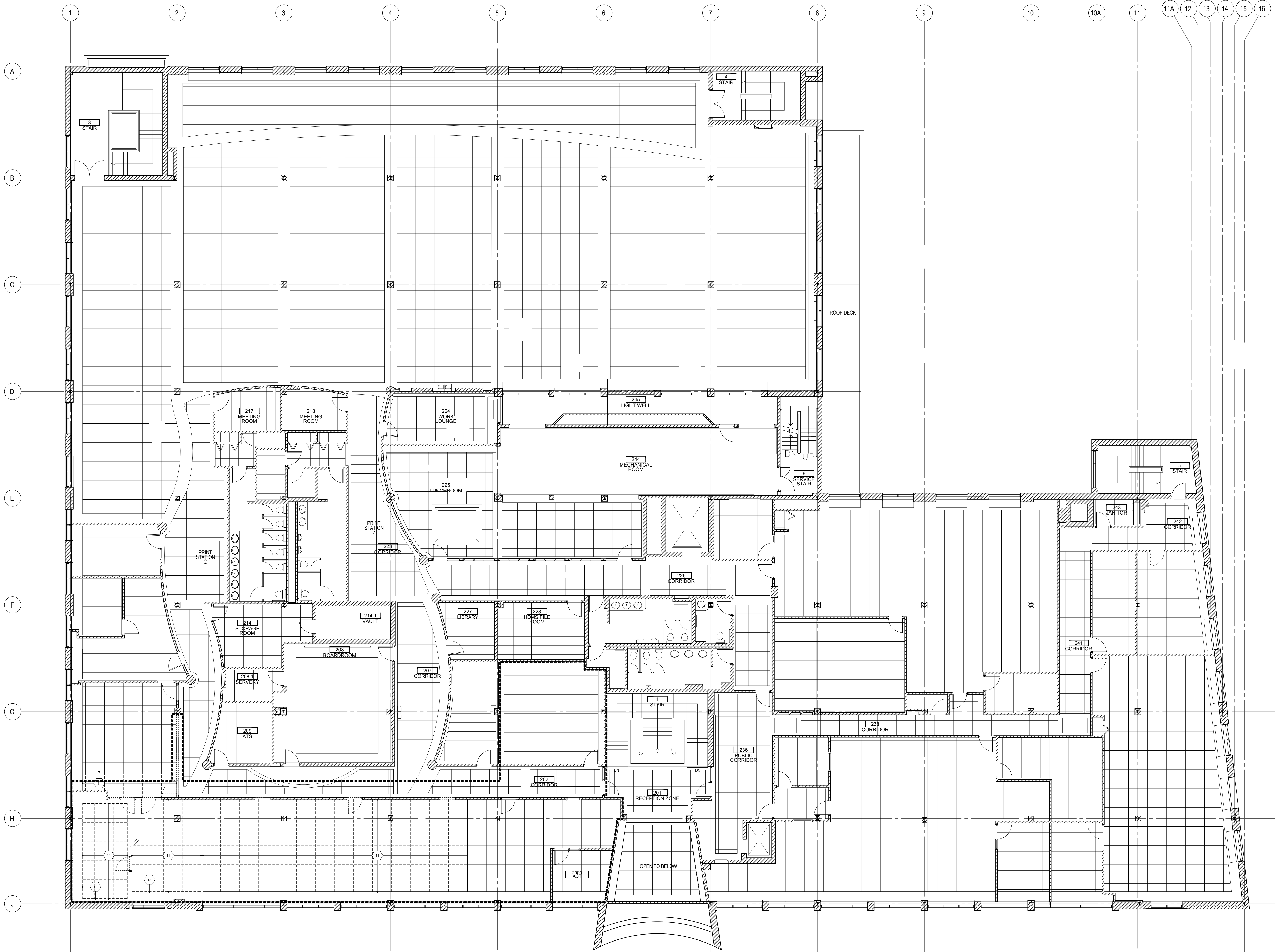
\\THASERVER\PROJECTS\2013\1384 ST CATHARINES CONCEPTUAL DESIGN FOR CRA & CSC (RE 1295)\DRAWINGS\WORKING DRAWINGS\1384\_SECOND\_FLOOR\_DEMO.DWG

AutoCAD 2013/11/29

1  
A312

SECOND FLOOR - REFLECTED CEILING PLAN - DEMOLITION

1:100



- LEGEND**
- EXTENT OF PHASE ONE WORK
  - EXISTING WALL
  - EXISTING WALL CONSTRUCTION TO BE DEMOLISHED
  - EXISTING FURNITURE & PARTITIONS TO BE REMOVED
  - EXISTING CEILING CONSTRUCTION TO BE DEMOLISHED

- DEMOLITION GENERAL NOTES**
- DEMOLITION DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL DEMOLITION SCOPE OF WORK.
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  - DEMOLITION OTHER THAN THAT INDICATED IN THESE NOTES MUST BE APPROVED BY THE CONSULTANT BEFORE WORK CAN PROCEED.
  - TEMPORARY WORK, OPENINGS AND CONSTRUCTION ACCESS MUST BE RESTORED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION METHODS AND MATERIALS.
  - THE METHOD OF DEMOLITION SHALL NOT DISTURB EXISTING CONDITIONS. ANY DAMAGE TO THE INTEGRITY OF THE EXISTING STRUCTURE TO REMAIN INCLUDING PLASTER AS A RESULT OF DEMOLITION SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION INCLUDING CONSTRUCTION, METHODS AND MATERIALS.
  - FOR ADDITIONAL FLOOR AND WALL OPENINGS, SEE MECHANICAL AND ELECTRICAL DRAWINGS.
  - CONTRACTOR TO REVIEW W/ OWNER ALL FURNISHINGS, MILLWORK, LOOSE BOXES, MOVABLE PARTITIONS & OFFICE EQUIPMENT PRIOR TO DISPOSAL. CONTRACTOR TO MOVE ITEMS TO BE SALVAGED TO AREA DESIGNATED BY OWNER & DISPOSE OF REMAINING.
  - WHERE EXISTING FLOOR FINISH HAS BEEN REMOVED, CLEAN TOP OF SUBFLOOR TO ENSURE SMOOTH SURFACE FOR NEW WORK.
  - PATCH REMAINING WALL AND FINISHES AS REQUIRED TO MATCH ADJACENT WALLS WHERE DEMOLISHED WALLS MEET WALLS TO REMAIN.
  - PROTECT ALL WINDOW SILLS, RADIATORS (AND OUTLET GRILLES) DURING COURSE OF WORK AND REPLACE TO MATCH EXISTING IF DAMAGED.
  - REMOVE EXISTING ACT CEILING TO EXTENTS INDICATED ON DRAWING A311. REFER TO MECHANICAL AND ELECTRICAL FOR MORE INFORMATION.

- DEMOLITION NOTES**
- REMOVAL OF EXISTING SYSTEMS FURNITURE PARTITIONS AND ASSOCIATED WORK SURFACES, REMAINING FURNITURE, OVERHEAD STORAGE CABINETS, ELECTRICAL, & IT CONNECTIONS BY OTHERS.
  - REMOVE RAISED FLOOR CONSTRUCTION AND ALL ASSOCIATED FINISHES. ELECTRICAL & DATA CONNECTIONS REMOVED BY OTHERS PRIOR TO DEMOLITION.
  - REMOVE EXISTING RAMP & HANDRAIL.
  - REMOVE EXISTING COUNTERTOPS & ASSOCIATED MILLWORK.
  - REMOVE EXISTING RESILIENT SHEET FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR.
  - REMOVE EXISTING CARPET FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR. SALVAGE BEIGE FEATURE CARPET FINISH FOR REUSE IN NEW WORK.
  - REMOVE EXISTING CERAMIC TILE FLOOR FINISH AND WALL BASE INCLUDING RESIDUE TO TO SUBFLOOR.
  - REMOVE METAL STUD AND GYPSUM BOARD PARTITIONS TO UNDERSIDE OF STRUCTURE AND ASSOCIATED ELECTRICAL, IT, DOORS AND FRAMES.
  - REMOVE METAL STUD AND GYPSUM BOARD PARTITIONS TO UNDERSIDE OF STRUCTURE AND ASSOCIATED ELECTRICAL, IT, DOORS AND FRAMES. SALVAGE MARBLE FINISH PANELS.
  - RETAIN CERAMIC TILE FLOOR FINISH BEYOND PROPOSED LINE OF NEW PARTITION CONSTRUCTION.
  - PROTECT EXISTING FAN COIL UNITS AND MILLWORK CASINGS DURING DEMOLITION.

- RCP DEMOLITION NOTES**
- REMOVE ACOUSTIC TILE CEILING PANELS AND SUSPENDED GRID. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
  - REMOVE GWB BULKHEAD AND ASSOCIATED STEEL STUD BACKUP STRUCTURE. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.
  - REMOVE SUSPENDED WOOD FEATURE BULKHEAD ALONG WITH ASSOCIATED LIGHT FIXTURES, ELECTRICAL.
  - REMOVE AND REINSTATE EXISTING ACOUSTIC TILE CEILING PANELS. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVALS OF ASSOCIATED HVAC ASSEMBLY & LIGHTING FIXTURES.

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Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin *SECOND FLOOR PLAN* Drawing

*RCP DEMOLITION*



Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10-17  
Dessiné par *Abe G.* Drawn by  
Date 2013--10-17  
Approuvé par *Jill Taylor* Approved by  
Date 2013--10-17  
Soumission *Tender*

Administrateur de projets APC *PCA Project Manager*

No de projet *R.065355.001* Project number  
APC *PCA*

Nom du fichier *1384\_SECOND\_FLOOR* File name  
DEMO.DWG No de classement

No de plan ou dessin *A312* File no  
No feuille Sheet no



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AutoCAD 2013/11/28

MARKET SQUARE

MARKET STREET

CHURCH STREET

HELLIWELLS LANE

- LEGEND**
- EXTENT OF PHASE ONE WORK
  - EXISTING WALL
  - NEW STC RATED DRYWALL ASSEMBLY  
FULL HEIGHT TO UNDERSIDE OF STRUCTURE
  - LINE OF EXISTING GWB CEILING BULKHEAD
  - LINE OF EXISTING ACT PANELS & SUSPENDED GRID
  - LINE OF NEW GWB CEILING BULKHEAD
  - LINE OF NEW ACT PANELS & SUSPENDED GRID
  - POWER DOOR OPERATOR
  - CORNER GUARD
  - C.R. CARD READER
  - EXIT SIGN
  - POWER POLE

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Dessin  
GROUND FLOOR CEILING PLAN  
RCP NEW WORK  
Drawing



Conçu par  
Taylor Hazell Architects LTD.  
2013--10-17  
Date

Dessiné par  
Abe G.  
2013--10-17  
Date

Approuvé par  
Jill Taylor  
2013--10-17  
Date

Soumission  
Tender

Administrateur de projets APC  
PCA Project Manager

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Project number

Nom du fichier  
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NEW\_WORK.DWG  
File name

No de classement  
No de plan ou dessin  
File name

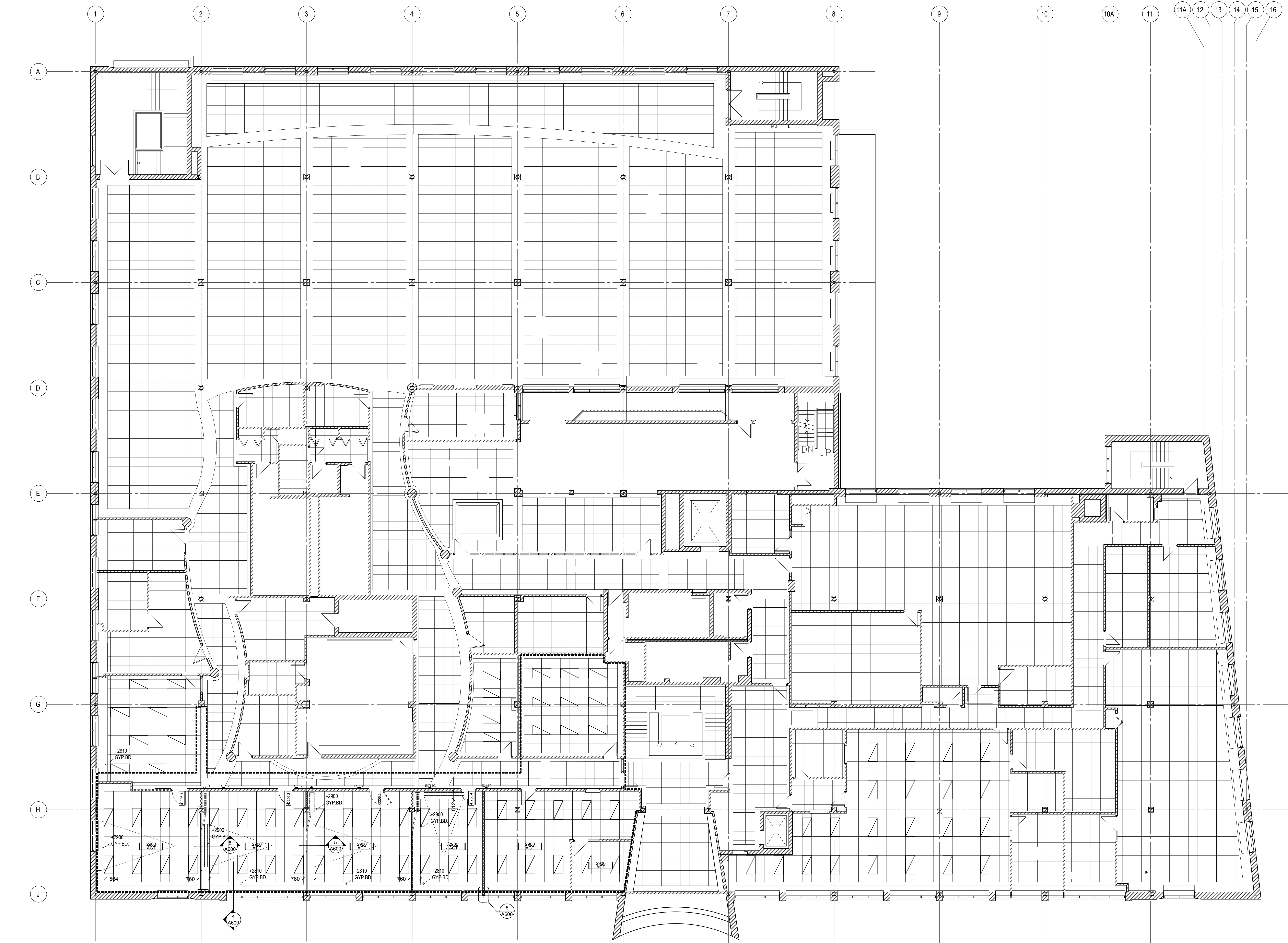
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**LEGEND**

EXTENT OF PHASE ONE WORK

EXISTING WALL

NEW STC RATED DRYWALL ASSEMBLY  
FULL HEIGHT TO UNDERSIDE OF STRUCTURE

L CORNER GUARD

**NOTES**

1. INSTALL 19 mm VENEER CORE PLY BETWEEN EXISTING FRAMING TO SUPPORT PROJECTION SCREEN BY A.Y. CONTRACTOR

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Services d'architecture et de génie  
Région de l'Ontario

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333 Adelaide Street West, 5th Floor  
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A A no. du détail  
B detail no.  
B no. de la feuille--où détaillé  
sheet no. -- where detailed

Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin *SECOND FLOOR PLAN* Drawing  
*RCP NEW WORK*

METERS  
1 0 1 2 3 4 5

Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013--10-17

Dessiné par *Abe G.* Drawn by  
Date 2013--10-17

Approuvé par *Jill Taylor* Approved by  
Date 2013--10-17

Soumission *PCA* Tender

Administrateur de projets APC *PCA Project Manager*

No de projet *R.065355.001* Project number  
APC *PCA*

Nom du fichier *1384\_SECOND\_FLOOR* File name  
*NEW\_WORK.DWG*

No de plan ou dessin *File no*

No de feuille *File no*

Sheet no

1 SECOND FLOOR - PROPOSED RCP  
A322 1:100



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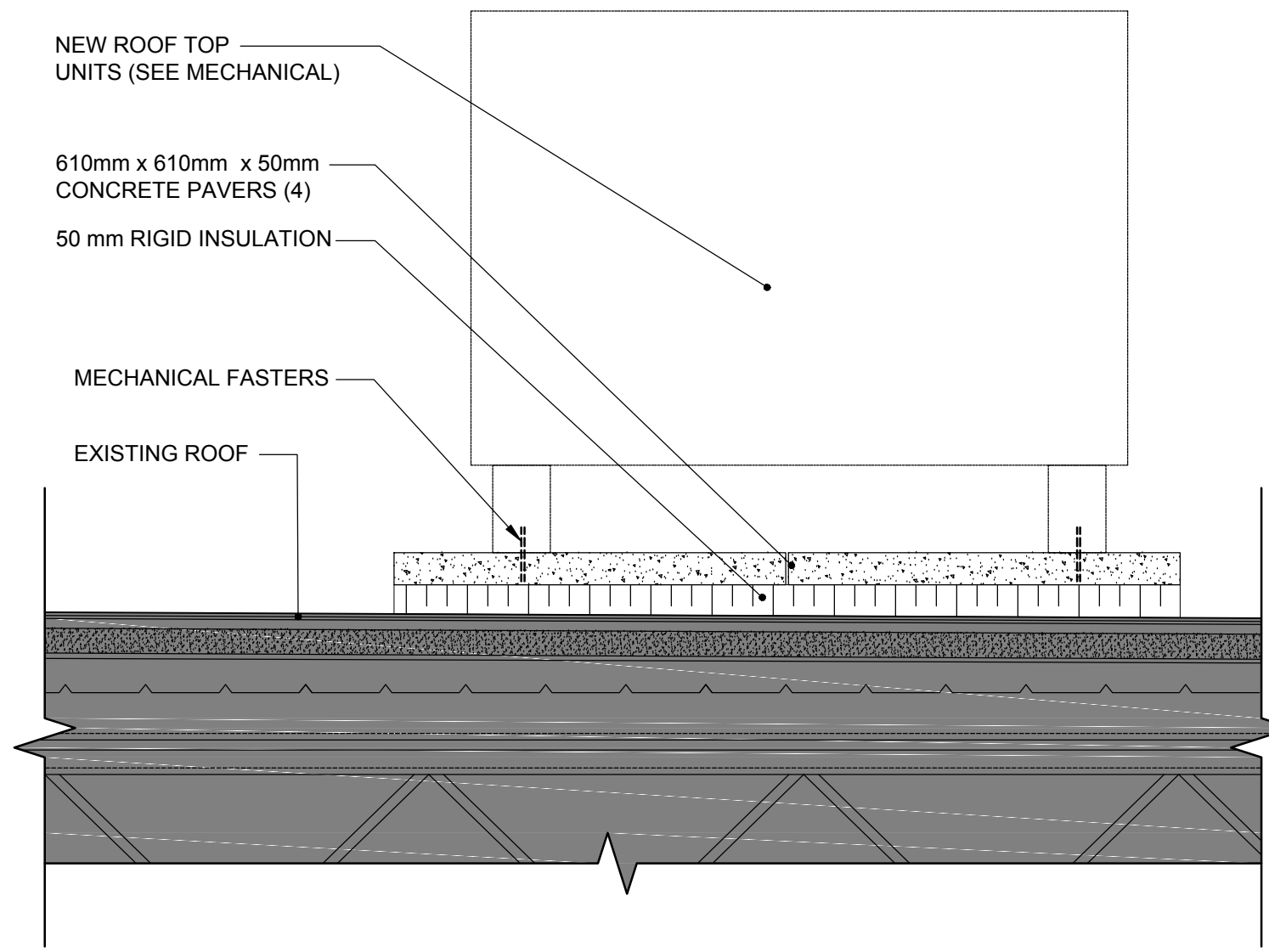
Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

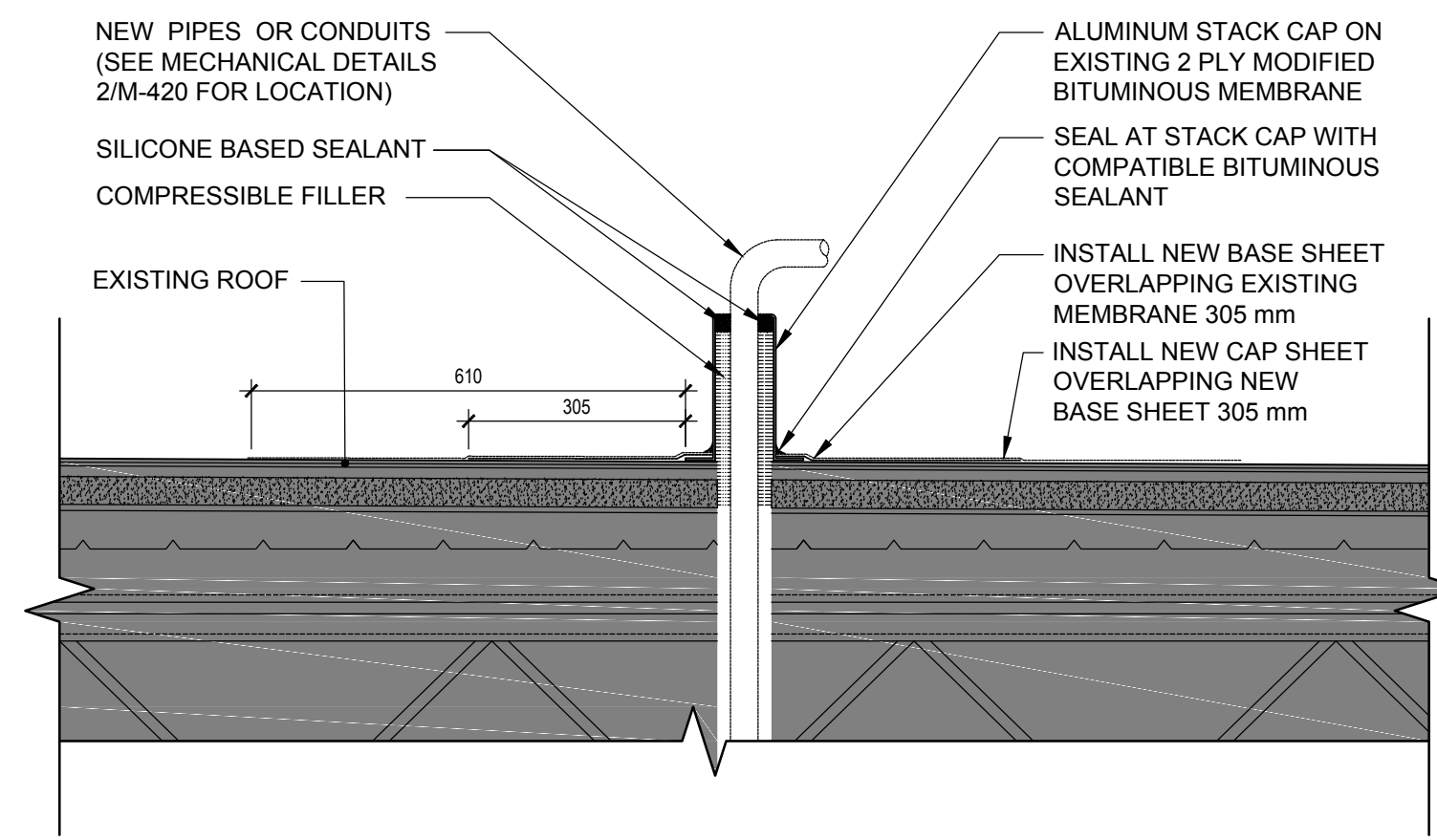
ST. CATHARINES, ONT.

Dessin *CEILING & ROOF PENETRATION DETAILS* Drawing

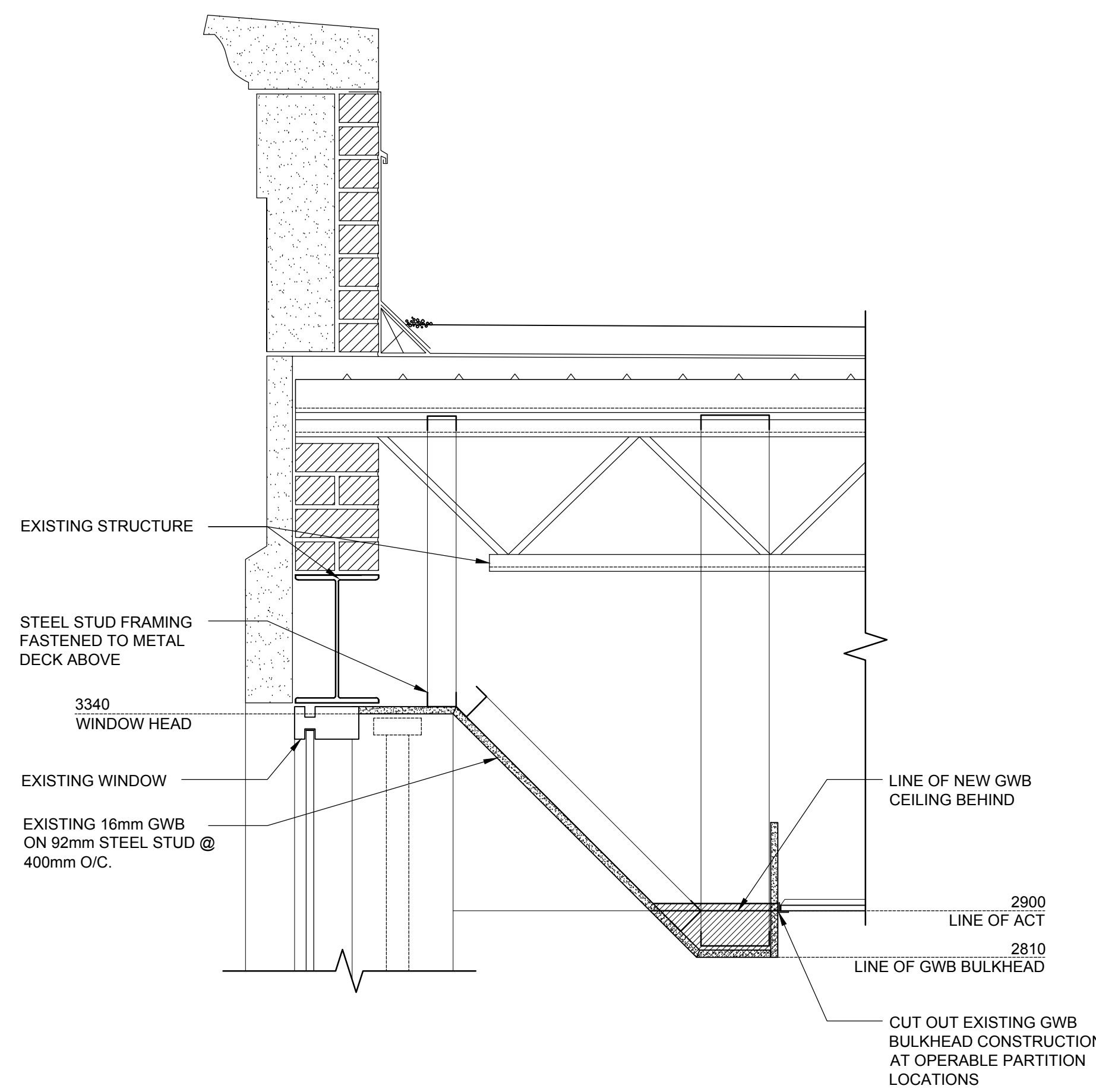
Conçu par Taylor Hazell Architects LTD.	Designed by 2013—10—17 Date
Dessiné par Abe G.	Drawn by 2013—10—17 Date
Approuvé par Jill Taylor	Approved by 2013—10—17 Date
Soumission	Tender
Administrateur de projets APC PCA Project Manager	
No de projet R.065355.001	Project number
Nom du fichier 1384_A600 CEILING_ROOF_DETAILS.DWG	File name
No de plan ou dessin	No de classement
	File no
	No feuille
	Sheet no A600



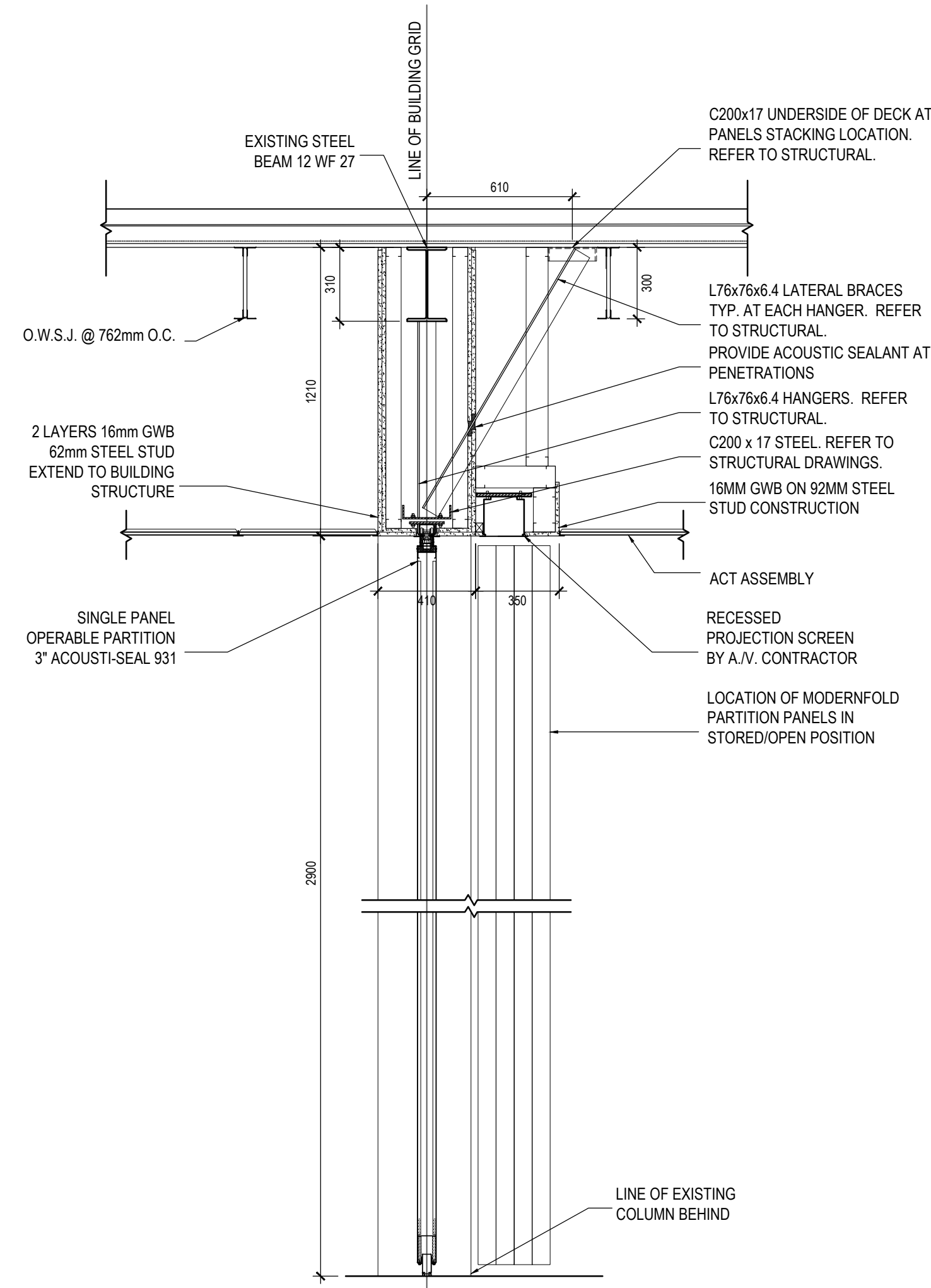
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A600  
DETAIL ROOF TOP UNITS  
1:10



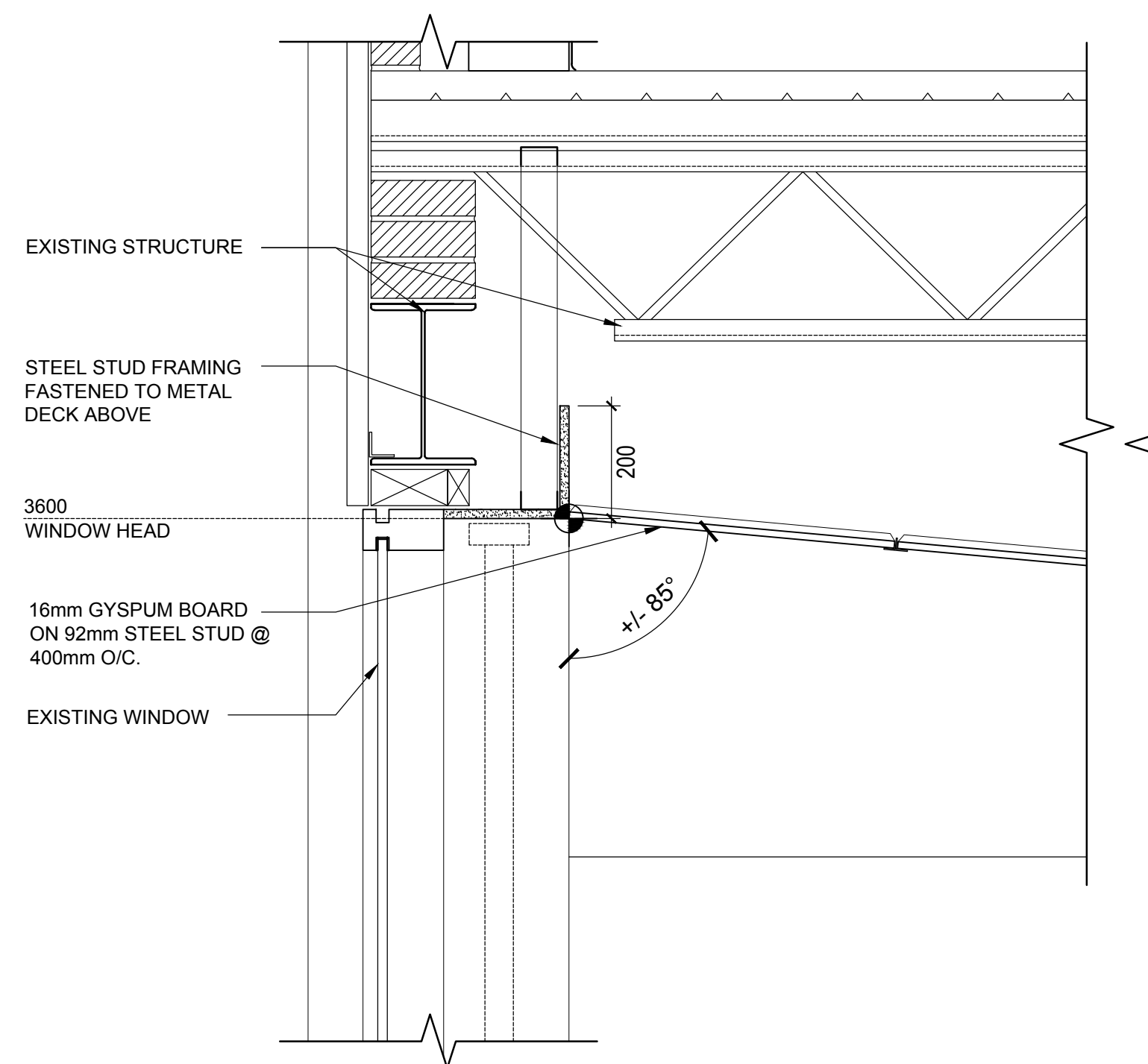
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A600  
DETAIL ROOF TOP UNITS SERVICES PENETRATIONS  
1:10



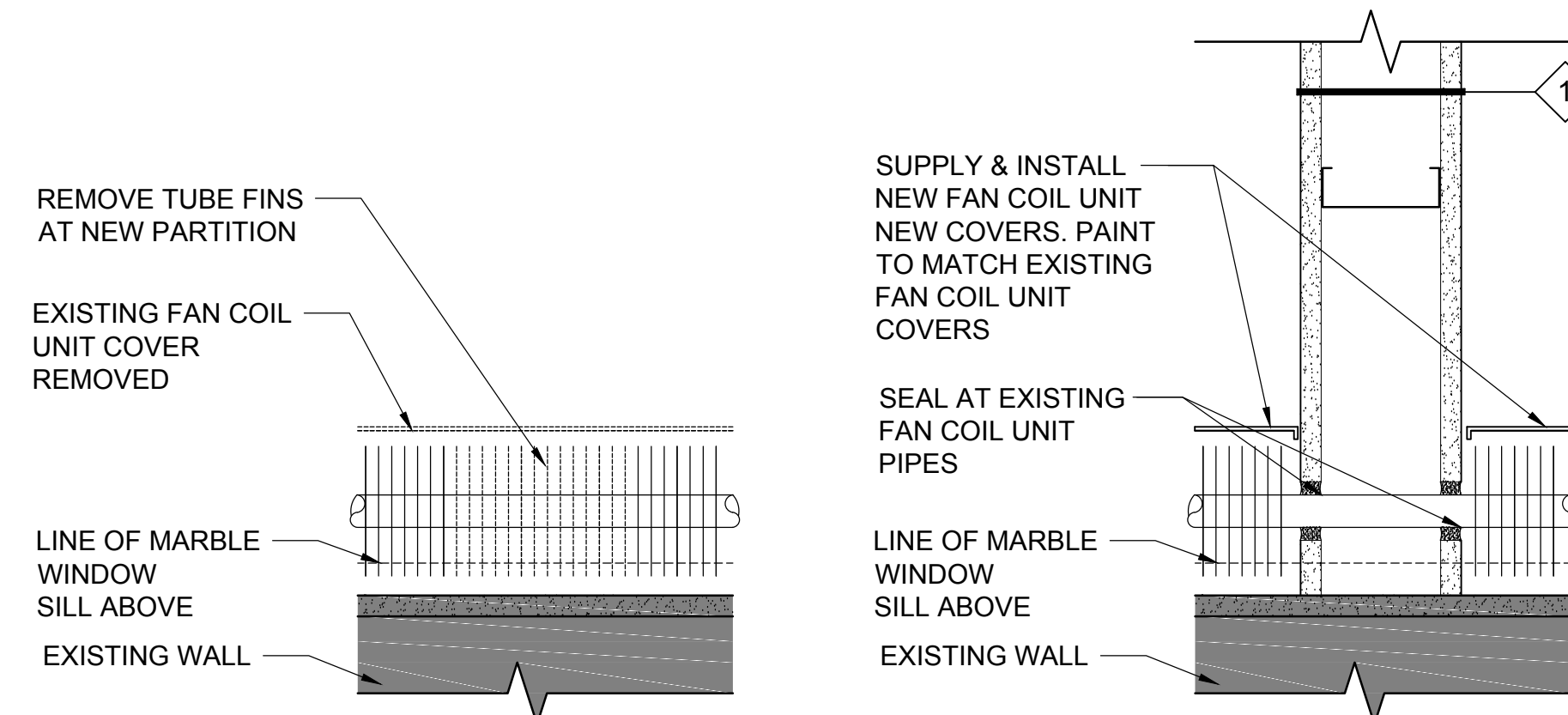
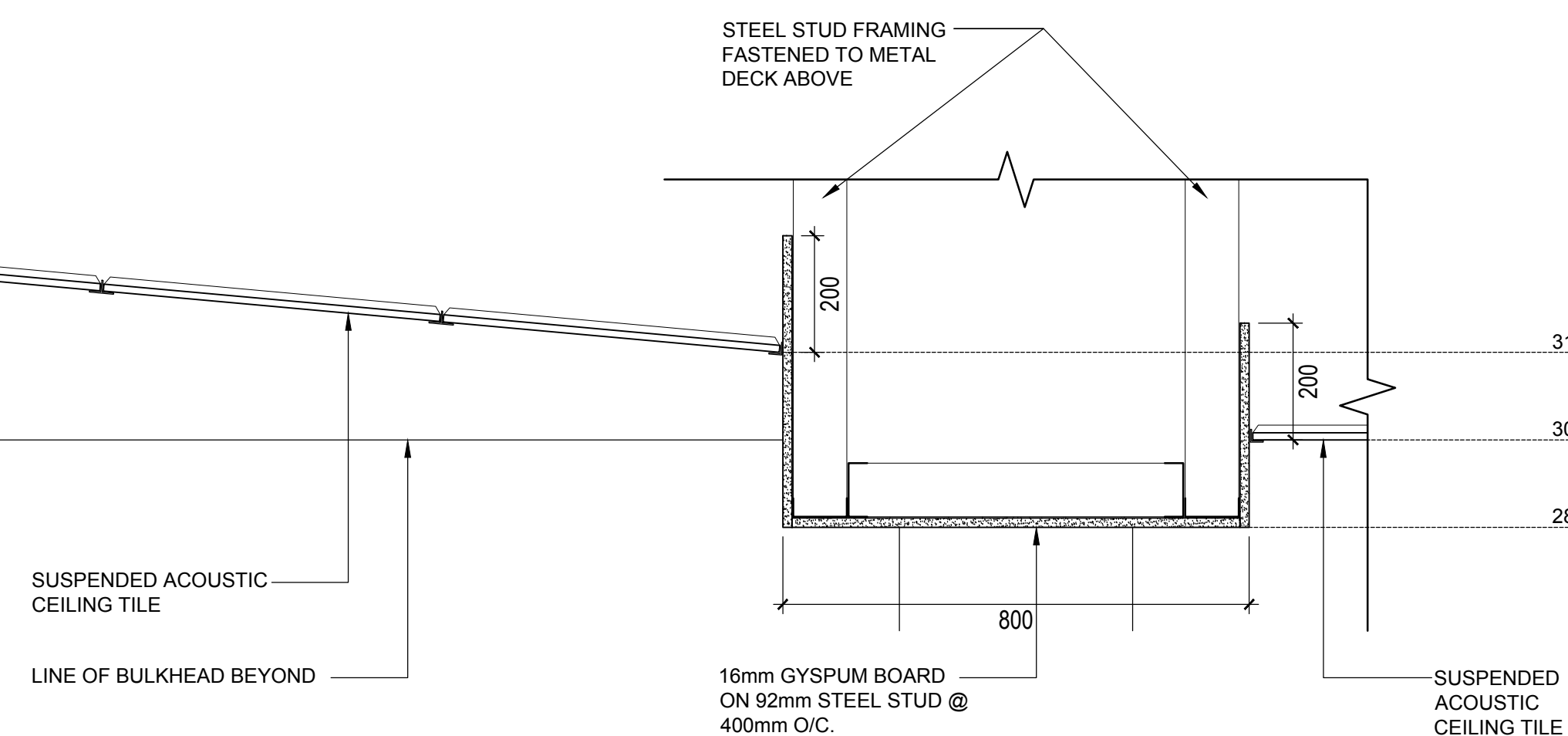
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A600  
SECTION AT WINDOW HEAD - SECOND FLOOR  
1:10



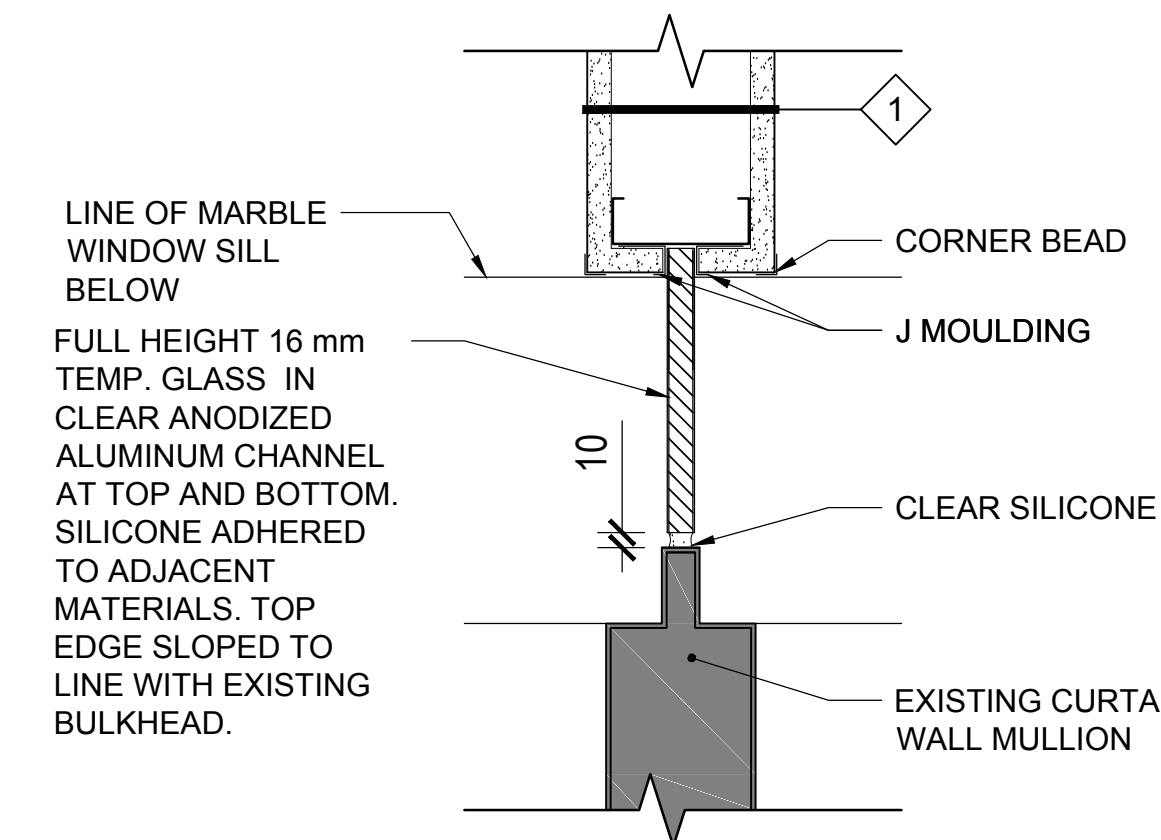
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A600  
CROSS SECTION AT OPERABLE PARTITION  
1:20



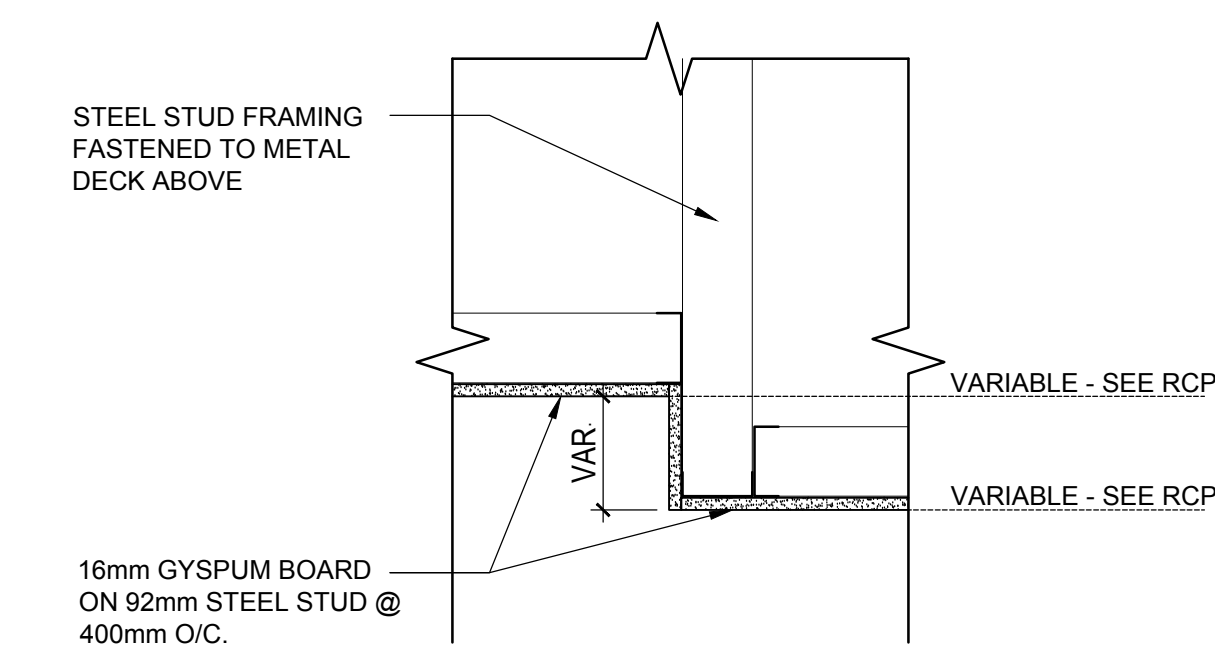
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A600  
SECTION AT WINDOW HEAD - GROUND FLOOR  
1:10



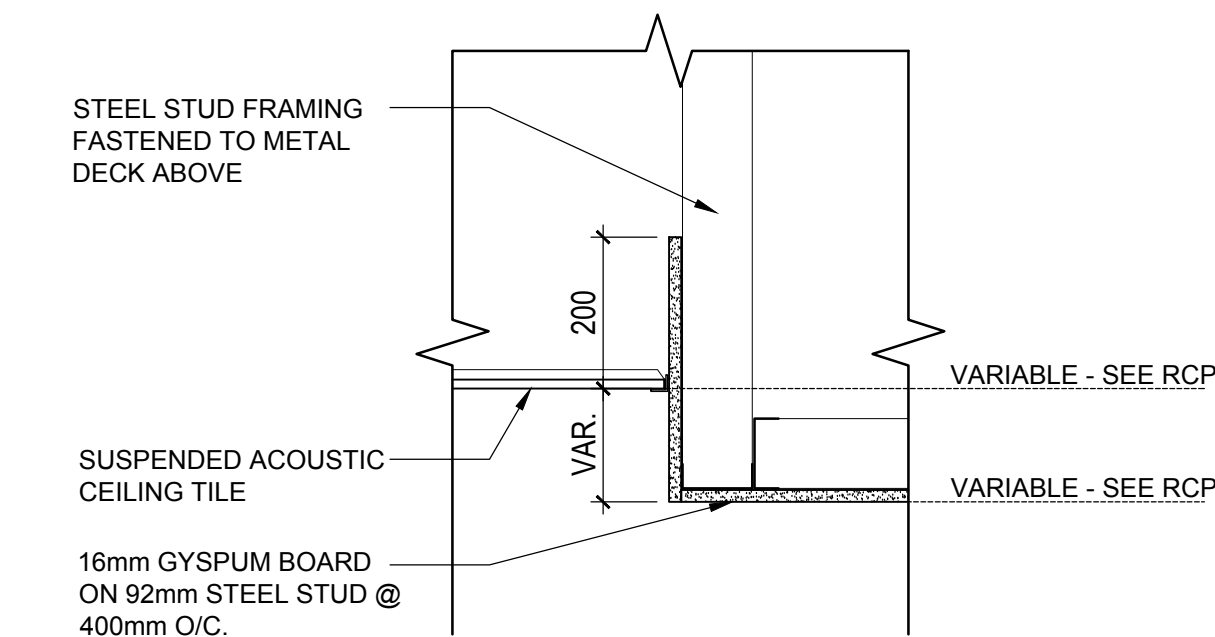
7  
A600  
DETAIL - FAN COIL UNIT ALTERATION FOR NEW PARTITION  
1:5



6  
A600  
DETAIL - GLASS MULLION JUNCTION  
1:5

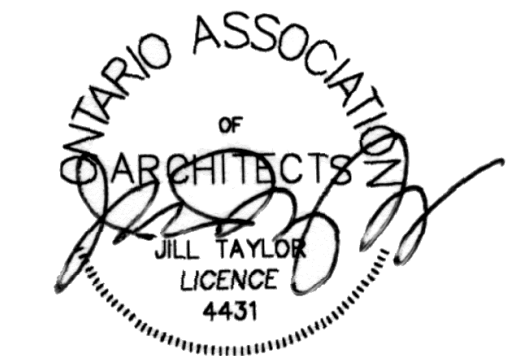


3  
A600  
DETAIL - CHANGE IN LEVEL NEW GWB BULKHEAD  
1:10



2  
A600  
DETAIL - ACT TO GWB BULKHEAD  
1:10





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Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin *PLAN DETAILS VESTIBULE* Drawing

Conçu par *Taylor Hazell Architects LTD.* Designed by  
Date 2013—10—17

Dessiné par *Abe G.* Drawn by  
Date 2013—10—17

Approuvé par *Jill Taylor* Approved by  
Date 2013—10—17

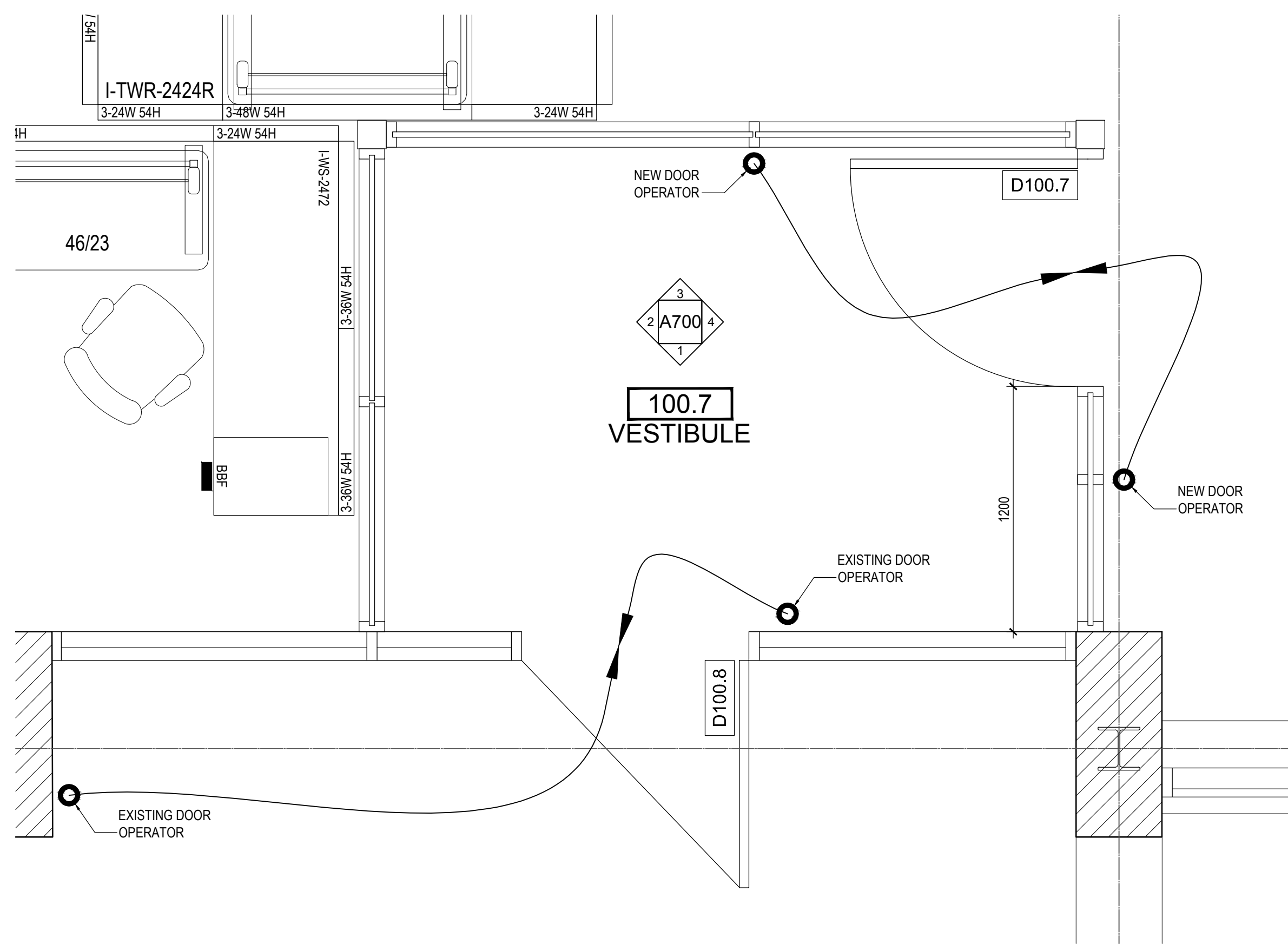
Soumission *PCA Project Manager* Tender

Administrateur de projets APC

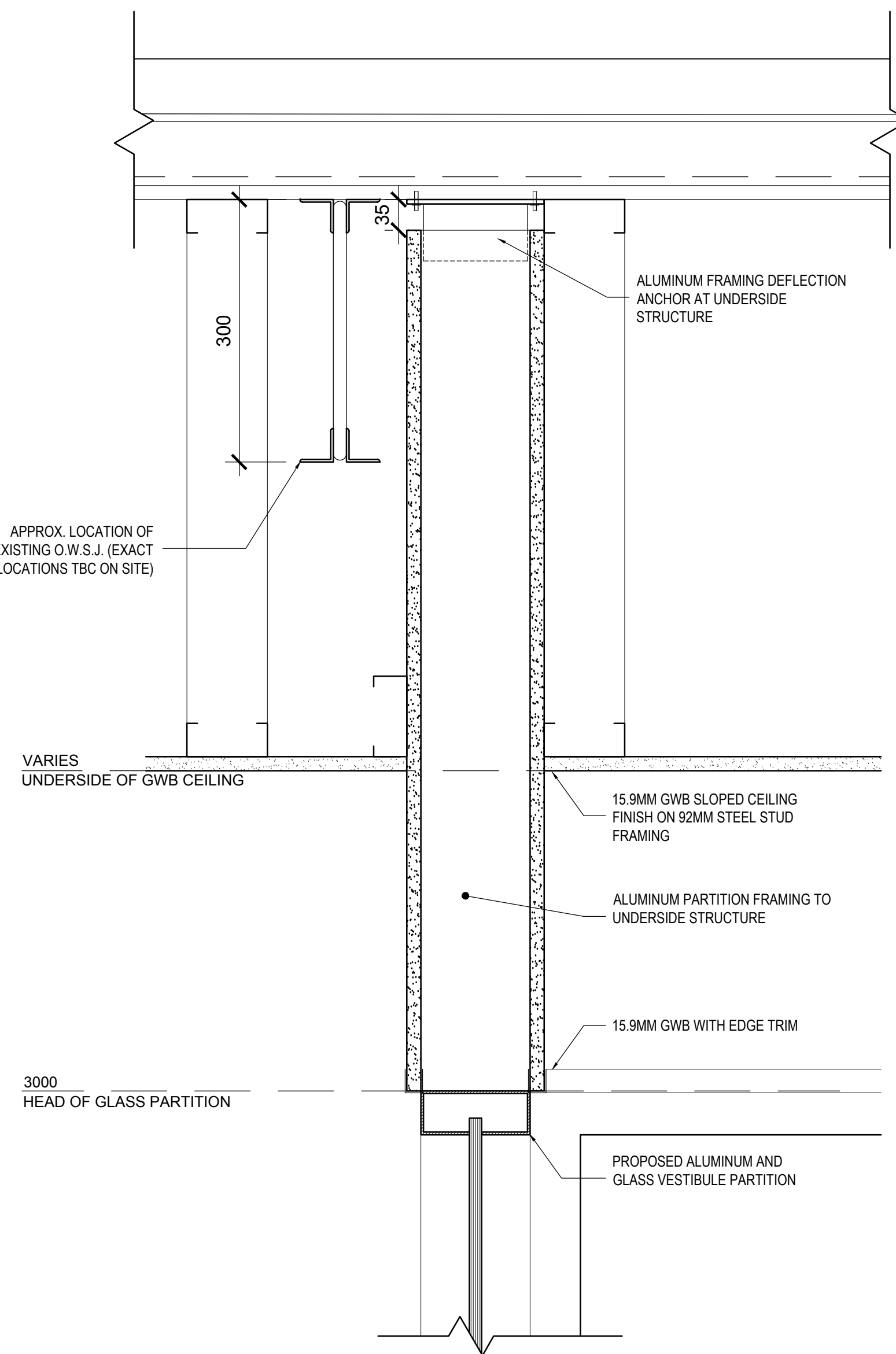
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APC PCA

Nom du fichier *1384\_A700 VESTIBULE\_DETAILS.DWG* File name  
No de classement

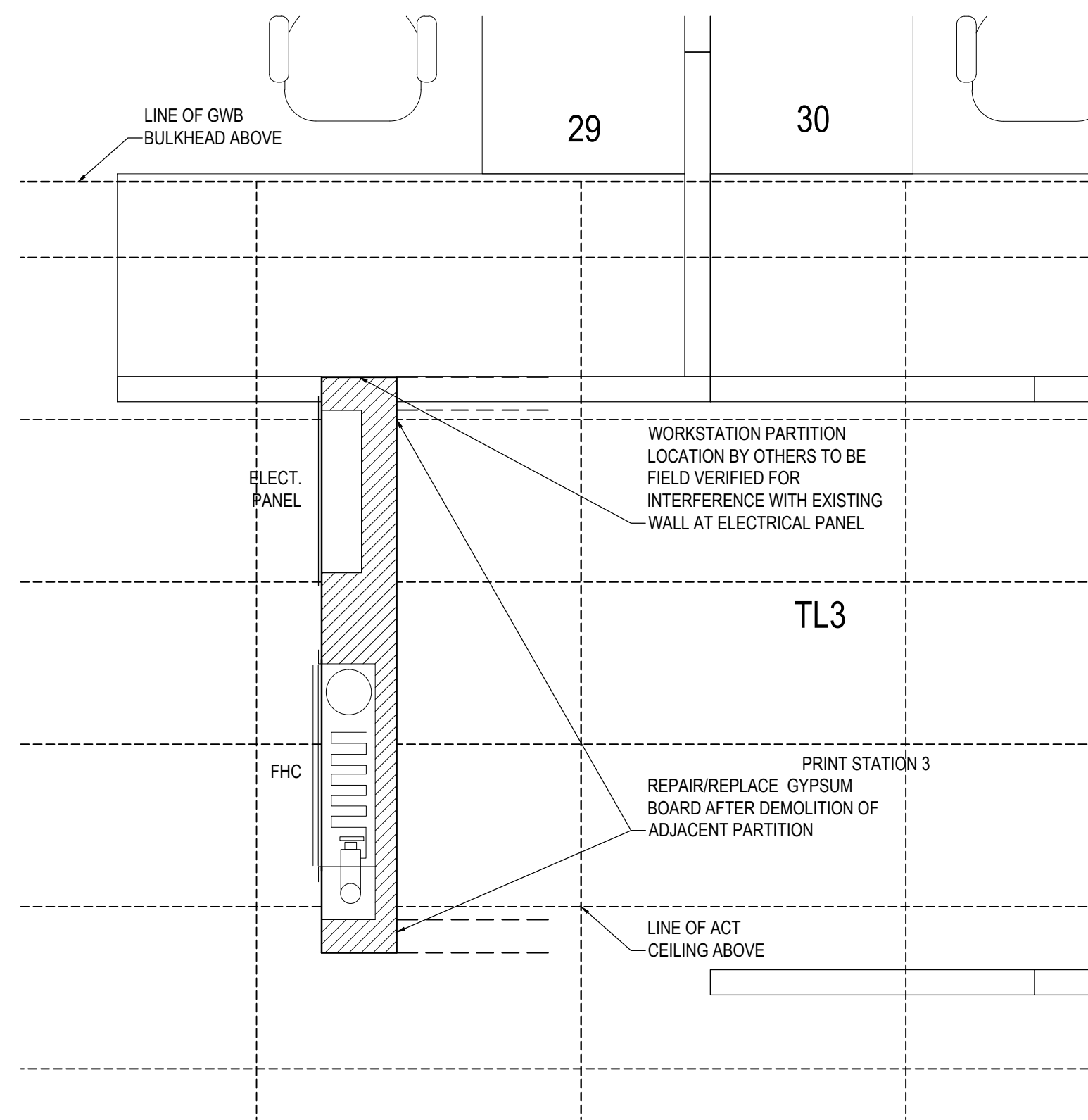
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No feuille Sheet no



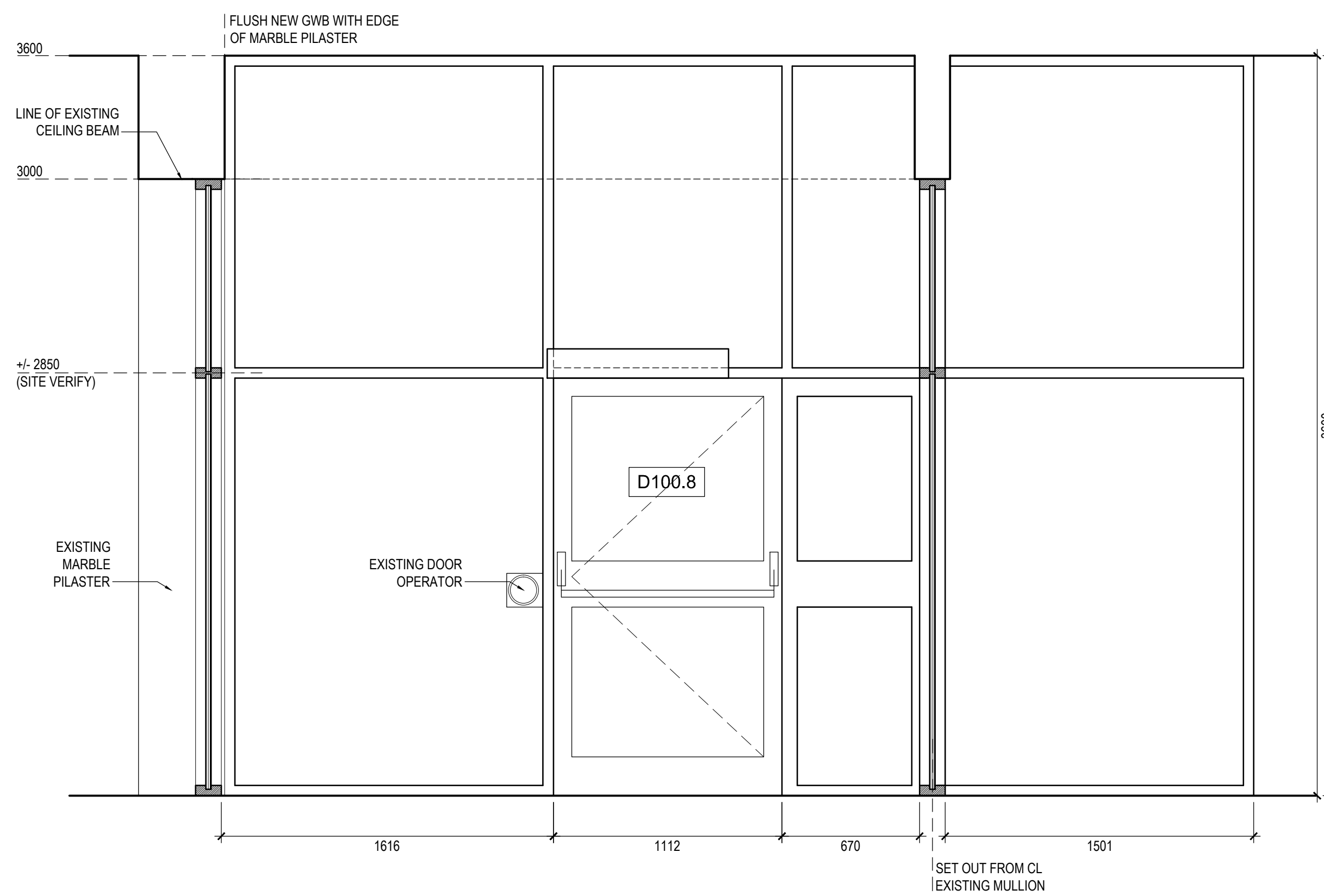
5 VESTIBULE - PLAN DETAIL  
A700 1:20



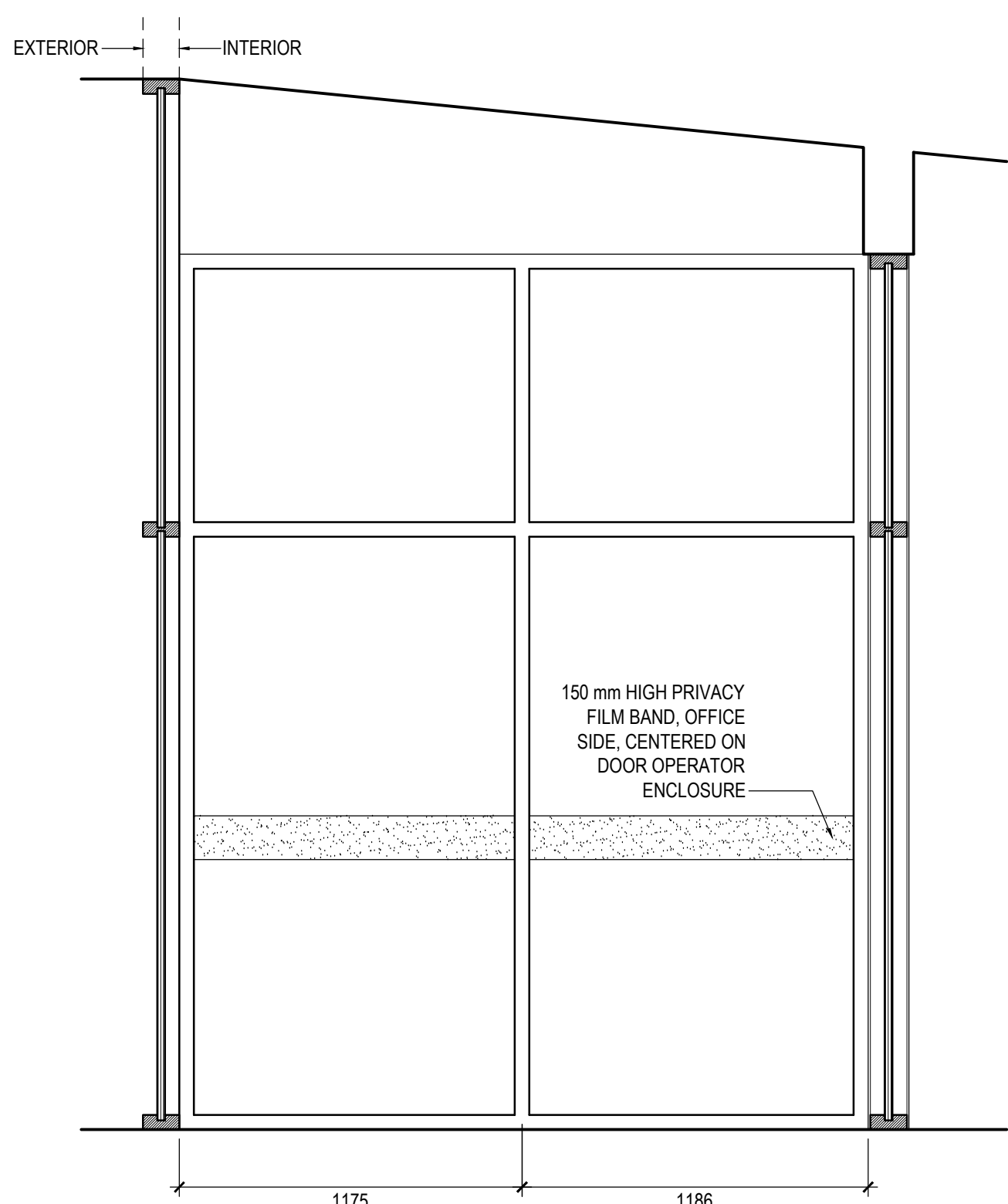
6 DETAIL AT VESTIBULE WALL HEAD  
A700 1:5



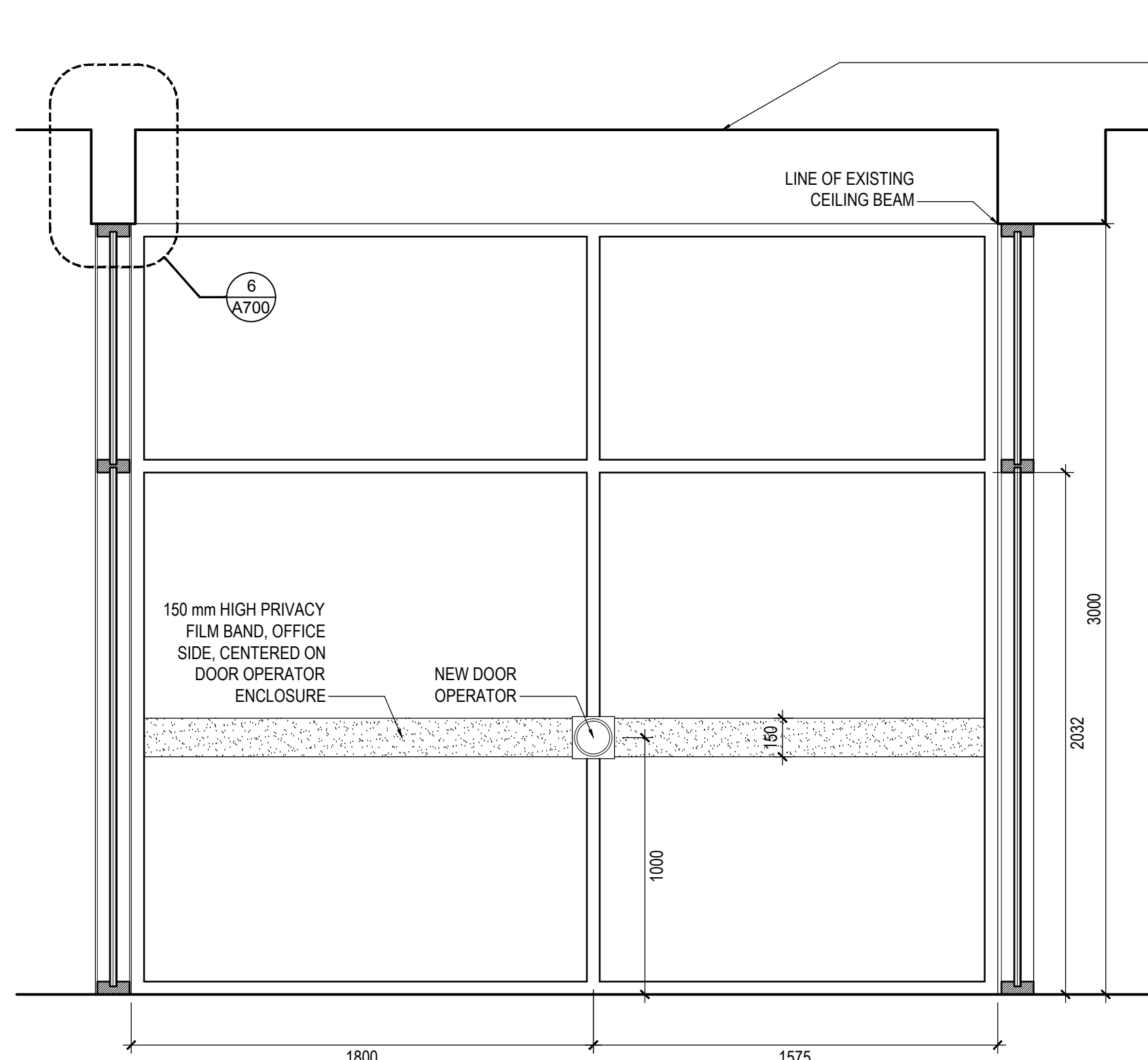
7 PLAN DETAIL AT FH CABINET  
A700 1:20



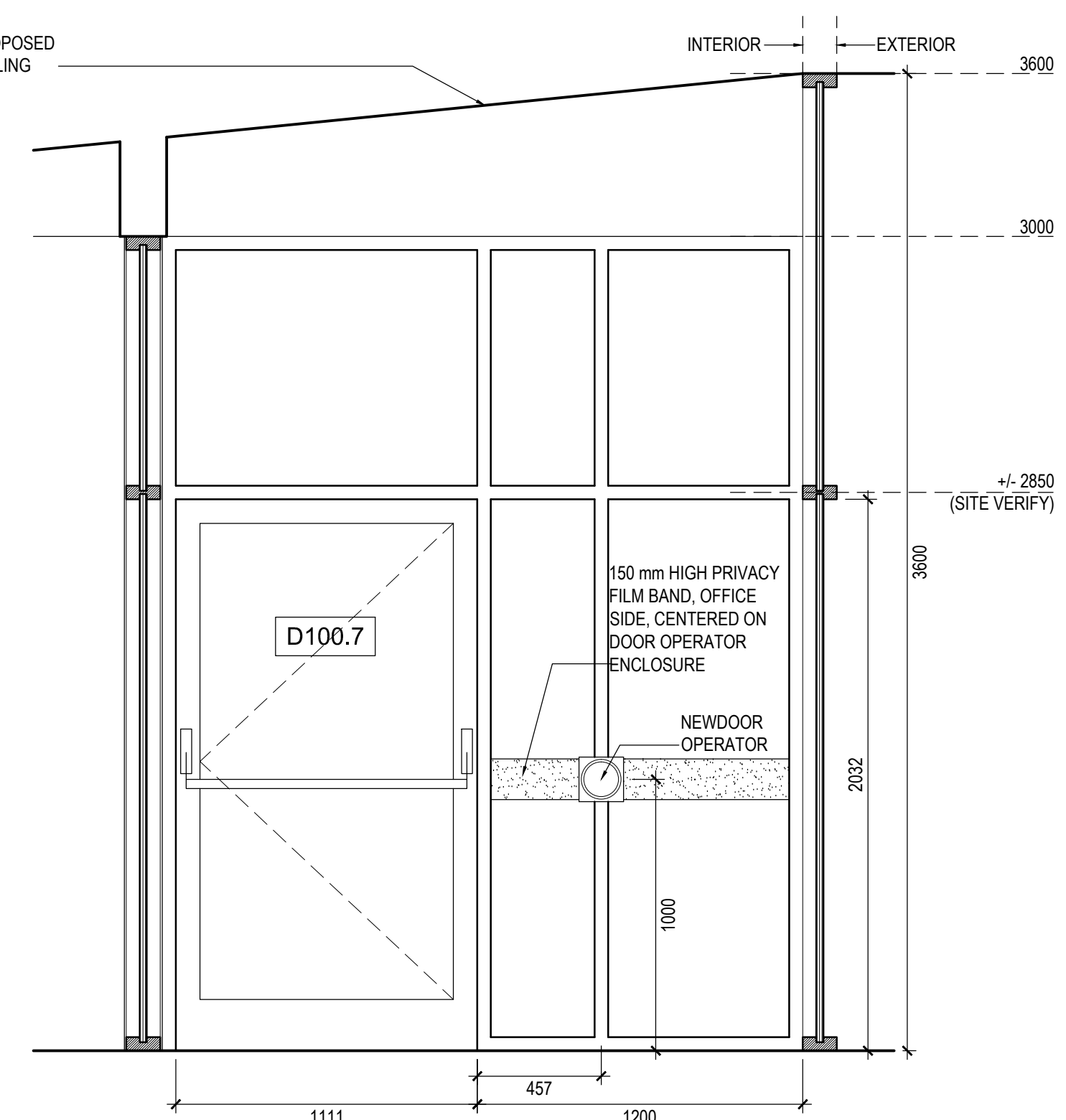
1 VESTIBULE - INTERIOR ELEVATION  
A700 1:20



2 VESTIBULE - INTERIOR ELEVATION  
A700 1:20



3 VESTIBULE - INTERIOR ELEVATION  
A700 1:20



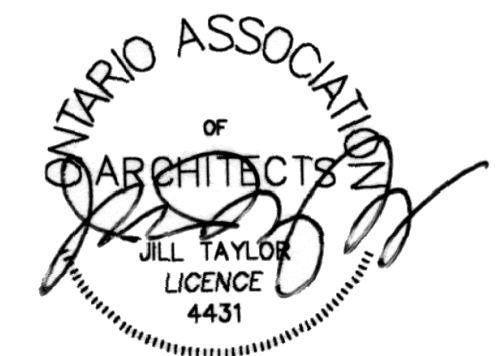
4 VESTIBULE - INTERIOR ELEVATION  
A700 1:20



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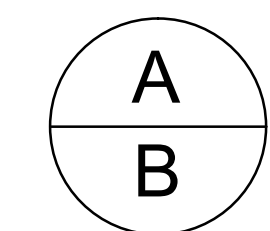


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sheet no. — where detailed

Project	Project
CRA OFFICE FIT UP	

CRA OFFICE FIT UP

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin	Drawing
--------	---------

## DOOR & ROOM FINISH SCHEDULES

Conçu par	Designed by
Taylor Hazell Architects LTD.	2013--10-17 Date

Dessiné par	Drawn by
Abe G.	2013--10-17
	Date

Approuvé par	Approved by
Jill Taylor	2013--10-17
	Date

Soumission	Tender
------------	--------

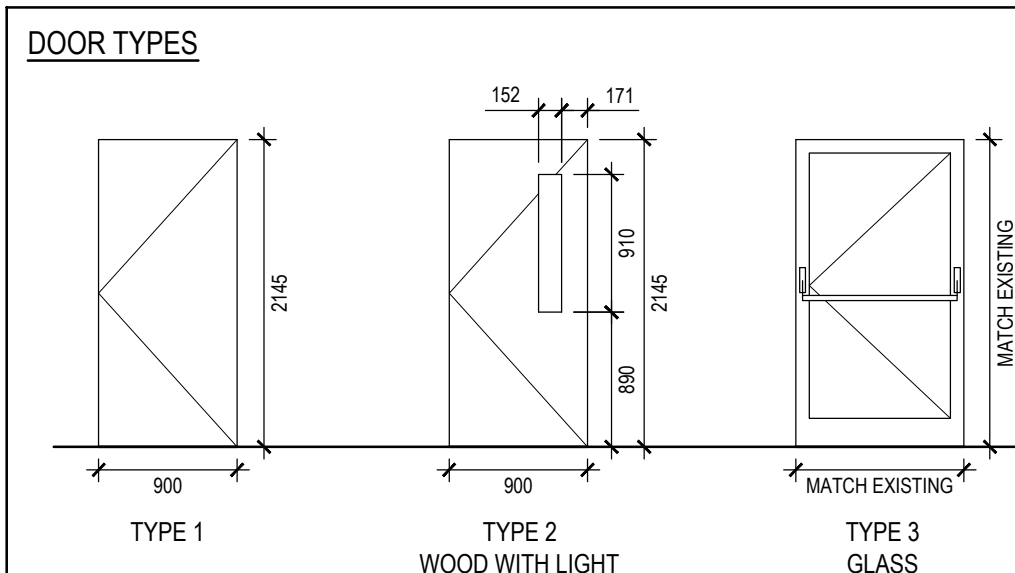
Administrateur de projets APC *PCA Project Manager*

No de projet	Project number
R.065355.001	
APC	PCA

Nom du fichier	File name	No de classement
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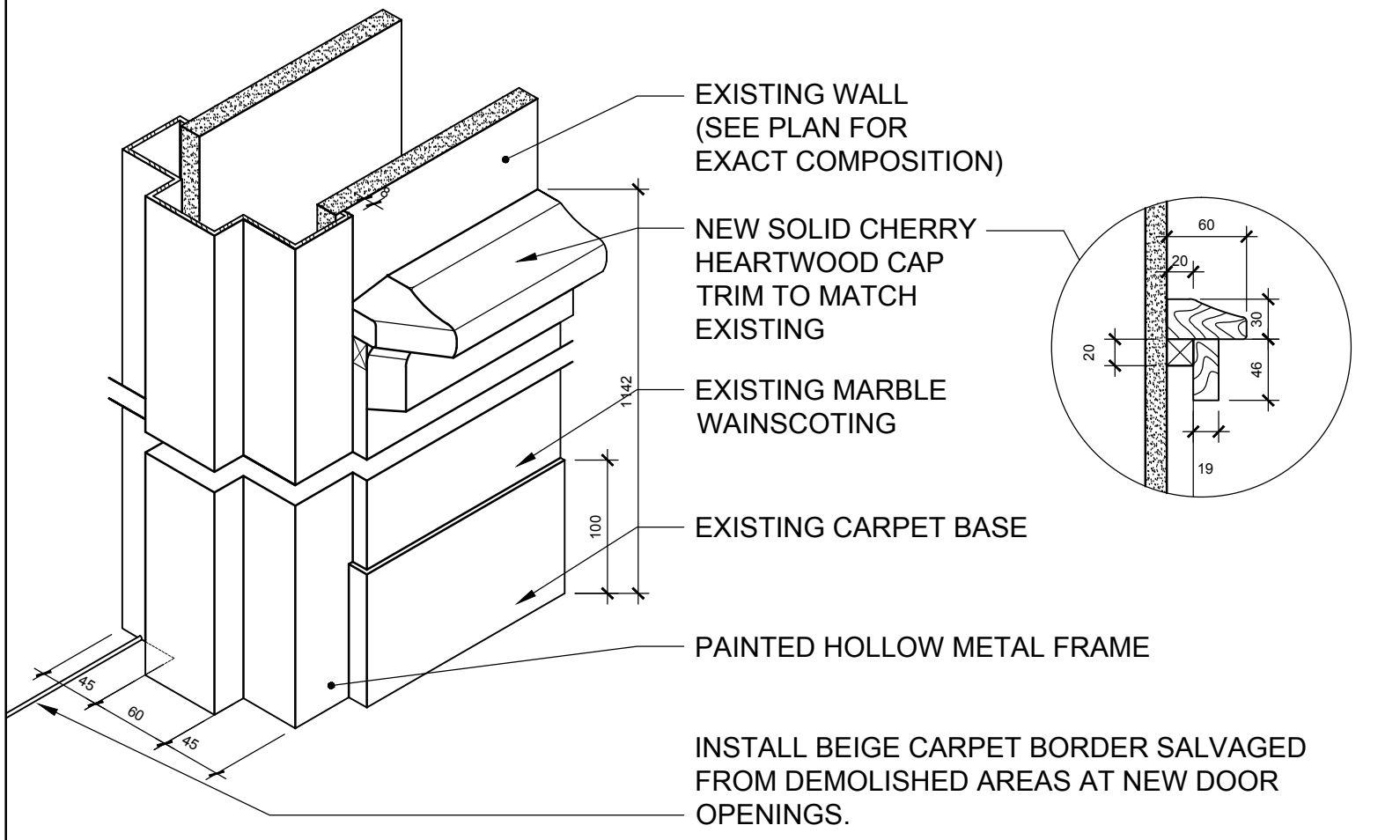
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		A1000	

Door Schedule - Ground Floor																				
Number	Door Type	New / Exist's / Reloc.	Width	Height	Thick.	Frame	Door	Exit Door	Fire Rating	Door Operator	Glazin g	Door Hardware	Security Devices	Revision						
D100.1A	2	New	900	2145	45	HM	WD	-	-	-	GL	Cylindrical Lockset Yale 5400 LN Grade 1 Lever Lock	CR, ES, DC, DA, REX, MS							
D100.1B	2	New	900	2145	45	HM	WD	-	-	-	GL	Cylindrical Lockset Yale 5400 LN Grade 1 Lever Lock	CR, ES, DC, DA, REX, MS							
D100.3	2	New	900	2145	45	HM	WD	-	-	-	GL	Cylindrical Lockset Yale 5400 LN Grade 1 Lever Lock	CR, ES, DC, DA, REX, MS							
D100.4		Existing	900	2145	45	HM	WD	-	-	-	-	-	-							
D100.5		Existing	900	2145	45	HM	WD	-	-	-	-	-	-							
D100.6	2	New	900	2145	45	HM	WD	-	-	-	GL	Cylindrical Lockset Yale 5400 LN Grade 1 Lever Lock	CR, ES, DC, DA, REX, MS							
D100.7A	3	Existing	1112	2032	45	ALUM	ALUM	Yes	-	Existing	GL	-	-							
D100.7B	3	New	1112	2032	45	ALUM	ALUM	Yes	-	Yes	GL	DO, (to match existing at exterior door)	-							
Door Schedule - Second Floor																				
D206.1	1	New	900	2145	45	HM	WD	-	-	-	-	Match existing door hardware at Room 203	-							
D206.2	1	New	900	2145	45	HM	WD	-	-	-	-	Match existing door hardware at Room 203	-							
D206.3	1	Existing reloc.	900	2145	45	HM	WD	-	-	-	-	Existing hardware & door from corner office	-							
D206.4	1	Existing reloc.	900	2145	45	HM	WD	-	-	-	-	Existing hardware & door from corner office	-							
New / Exist's / Reloc.:																				
New	New door											Door Notes:								
Existing	Existing to remain. Changes as noted.											All door hardware to match existing unless noted otherwise								
Existing Relocated	Existing door relocated to new location as described. Existing door frame relocation acceptable if installed as new.											Contractor to confirm all door and door frame dimensions on site								
														Door security devices are supplied and installed by security contractor. Electrical contractor to provide backboxes, conduits and pull strings. Rough in for security devices including coordination, door preparation, and door frame preparation is by general contractor.						
Abbreviation &:																				
ALUM	Clear anodized aluminum																			
CL	Door closer																			
CR	Card reader by Security. Coordination, back box, conduit and pull string by electrical contractor																			
DA																				
Door Alarm by Security. Coordination, back box, conduit and pull string by electrical contractor																				
DC	Door contact by Security. Coordination, back box, conduit and pull string by electrical contractor																			
DO	door operator																			
ES	Electric Strike by Security. Coordination, back box, conduit and pull string by electrical contractor																			
GL	6mm min. clear tempered glass																			
KP	200 mm high brushed stainless steel kick plate																			
PF	Privacy Film on glass																			
REX	Request to Exit device by Security. Coordination, back box, conduit and pull string by electrical contractor																			

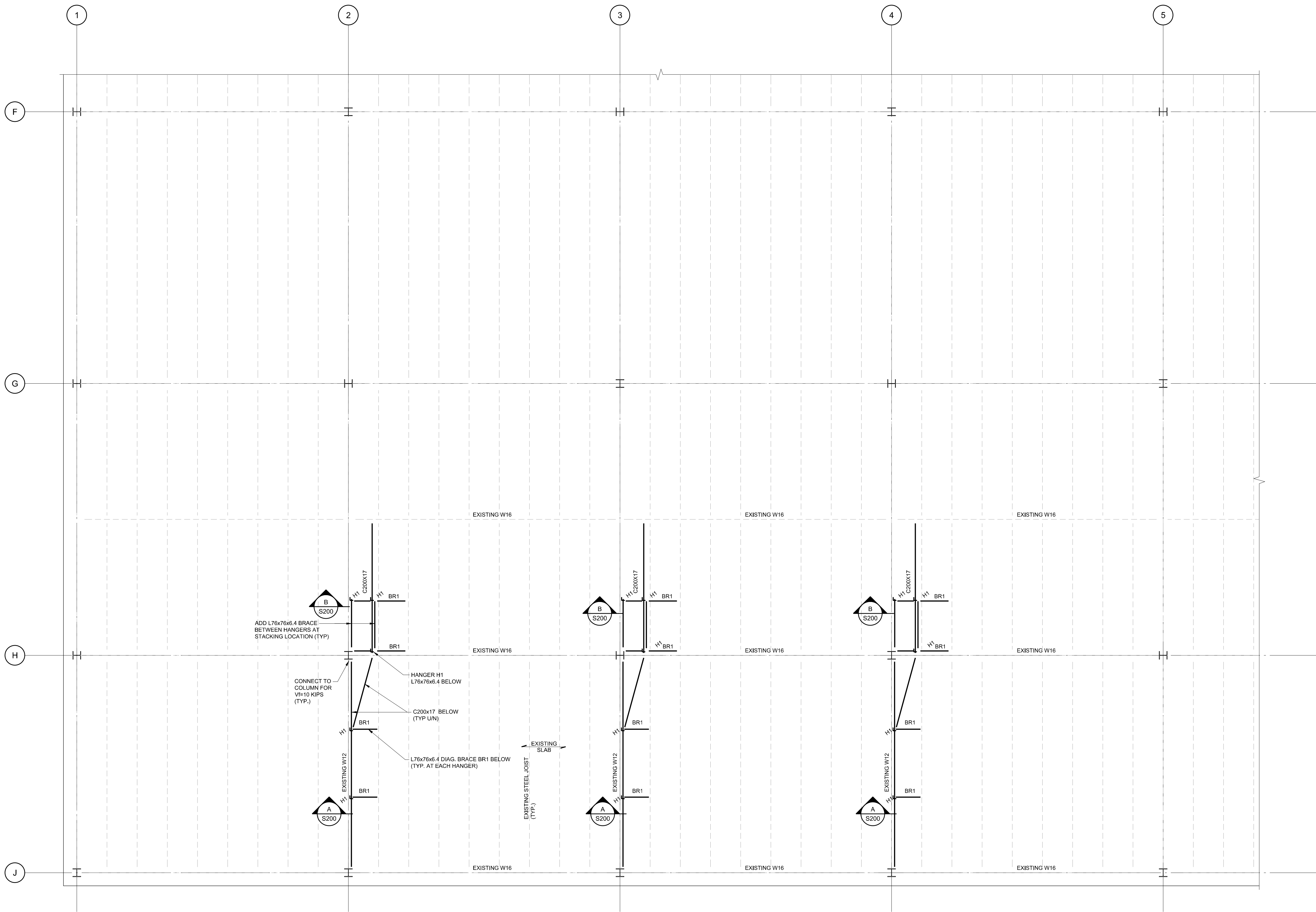


ISOMETRIC OF DOOR JAMBS AT CORRIDOR 202

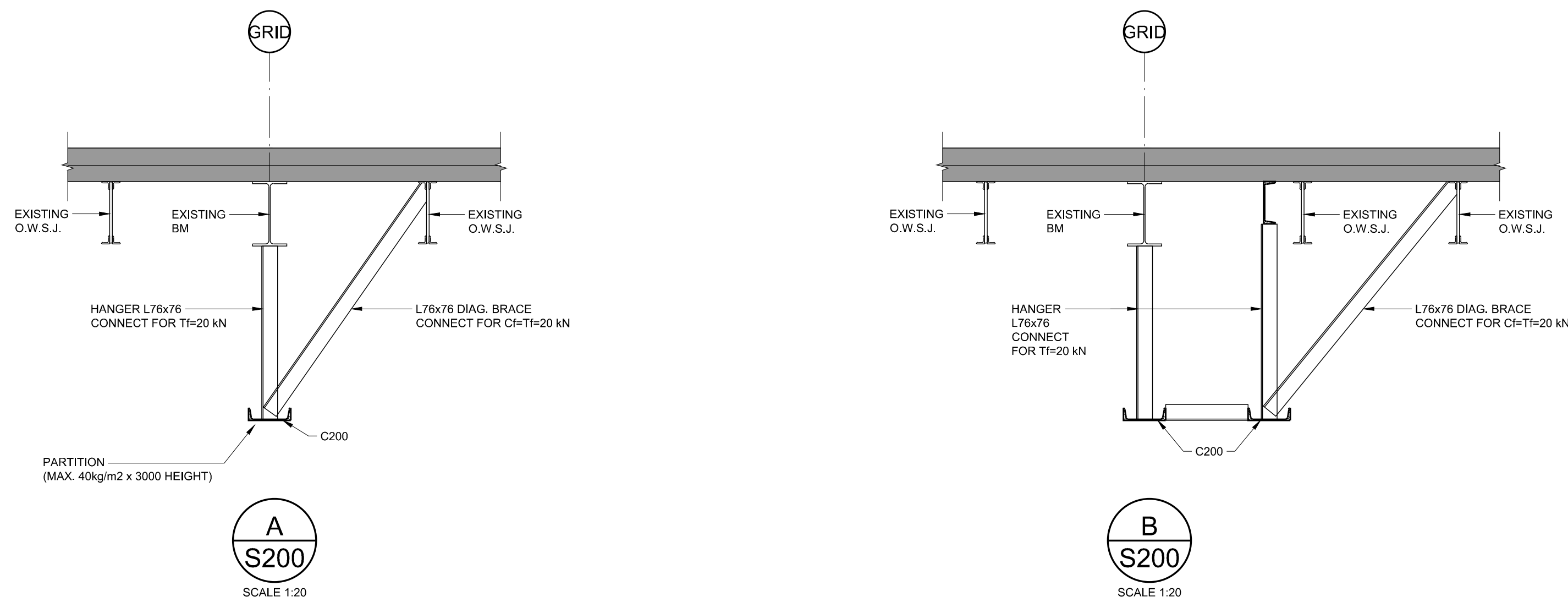
NOTE : EXISTING MARBLE WAINSCOTING AND WOOD CAP TO REMAIN IN PLACE WHEREVER POSSIBLE. AT NEW DOORS AND DOOR FRAMES, LOCATE DOORS IN PLAN CENTERED ON EXISTING STONE WAINSCOTING TO MINIMIZE DISRUPTION.

[illegible]





PART ROOF FRAMING PLAN  
SCALE 1:50



#### STRUCTURAL WORK

##### 1. GENERAL

- 1.1. PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR THE COMPLETION OF THE WORK. BREAKDOWN OF WORK BY TRADE IS FOR GUIDANCE ONLY AND IS NOT NECESSARILY COMPLETE.
- 1.2. COORDINATE ALL WORK SHOWN ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, ALL OTHER DISCIPLINES AND EXISTING CONDITIONS (EXISTING CONDITIONS ARE ASSUMED). REPORT ANY INCONSISTENCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
- 1.3. MAKE GOOD ALL EXISTING WORK DISTURBED BY OTHER CONSTRUCTION PROCEDURES.
- 1.4. DO NOT SCALE THESE DRAWINGS.

##### 2. CODES AND STANDARDS

- 2.1. COMPLY WITH THE REQUIREMENTS OF THE 2006 ONTARIO BUILDING CODE IN FORCE AND THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.

##### 3. SUBMITTALS

- 3.1. SUBMIT FOR REVIEW BEFORE START OF WORK, 4 COPIES OF SHOP DRAWINGS FOR:
  - STRUCTURAL STEEL
- 3.2. SHOP DRAWINGS FOR: STRUCTURAL STEEL SHALL TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO.
- 3.3. REVIEW OF SHOP DRAWINGS IS ONLY FOR GENERAL CONFORMITY WITH STRUCTURAL CONTRACT DOCUMENTS AND SPECIFICATIONS. COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE STRUCTURAL CONTRACT DOCUMENTS AND SPECIFICATIONS. NOR DO THEY AUTHORIZE ANY CHANGES TO THE CONTRACT. REVIEW OF A SPECIFIC ITEM SHALL NOT INCLUDE REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL QUANTITIES, DETAIL DIMENSIONS, FIELD MEASUREMENTS, FABRICATION PROCESS, MEANS, METHODS, SEQUENCES AND PROCEDURES OF CONSTRUCTION, COORDINATION OF WORK WITH ALL TRADES AND PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER. THE REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THE SPECIFICATIONS (SUCH AS STRUCTURAL STEEL CONNECTIONS, STEEL JOISTS, PRECAST ELEMENTS, ETC.).
- 3.4. AFTER REVIEW, ERECTION DIAGRAMS WILL BE RETURNED TO THE CONTRACTOR STAMPED TO SHOW ONE OF THE FOLLOWING:
  - **NOT REVIEWED** - SHOWS WORK WHICH IS NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING
  - **REVIEWED** - REVIEWED WITH NO COMMENTS.
  - **NOTED** - REVIEWED WITH COMMENTS NOTED ON DRAWING. SUBMIT TWO FINAL RECORD PRINTS AS SOON AS CORRECTIONS ARE MADE.
  - **RESUBMIT** - REVIEWED WITH COMMENTS NOTED ON DRAWING. CORRECT AND RESUBMIT FOR REVIEW.
- 3.5. ALLOW A MINIMUM OF 5 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS IN THE STRUCTURAL ENGINEER'S OFFICE. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED. SUBMIT IN GENERAL CONFORMITY WITH THE SEQUENCE OF CONSTRUCTION INTENDED. CO-ORDINATE WITH THE CONSULTANT. SHOP DRAWINGS RECEIVED AFTER NOON WILL BE DATE-STAMPED AS RECEIVED THE FOLLOWING WORKING DAY.
- 3.6. IF REQUIRED, CAD FILES OF THE FULL SET OF STRUCTURAL DRAWINGS ARE AVAILABLE "AS-IS", AT COST OF \$100.00 PER SHEET, FOR USE IN THE PREPARATION OF SHOP DRAWINGS, PROVIDED THAT THE OWNER AND THE OWNER'S CONSULTANTS ARE NOT HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS ON THE DRAWINGS. THESE CAD DRAWINGS ARE NOT TO BE SCALED.

##### 4. EXISTING STRUCTURE

- 4.1. EXISTING STRUCTURAL INFORMATION IS BASED UPON DRAWINGS PREPARED BY R A HANRIGHT CONSULTING ENGINEER AND DATED OCTOBER 1994.
- 4.2. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION.
- 4.3. EXISTING DRAWINGS CONDITIONS ARE ASSUMED. REPORT ANY VARIATIONS TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
- 4.4. MAKE GOOD ONCE STRUCTURAL WORK IS DONE AND REVIEWED.

##### 5. STRUCTURAL STEEL

- 5.1. CONFORM TO CAN/CSA S16 "LIMIT STATES DESIGN OF STEEL STRUCTURES".
- 5.2. FABRICATOR SHALL BE CERTIFIED BY CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2.
- 5.3. PROTECT COMBUSTIBLE MATERIALS AND FINISHES DURING WELDING OPERATIONS.
- 5.4. MATERIALS:
  - CHANNEL, ANGLES AND PLATES: CAN/CSA G40.21, GRADE 300W
  - HIGH STRENGTH BOLTS: ASTM A325M
  - ANCHOR BOLTS: CAN/CSA G40.21, GRADE 300W
  - FABRICATION: CAN/CSA S16
  - WELDING: CSA W59
  - PRIMER PAINT: CISCOPRIMA 2\_75
- 5.5. ALL STRUCTURAL STEEL CONNECTIONS MUST BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR TO CONFORM TO CAN/CSA S16-01. USE HEADER ANGLES AND HIGH-STRENGTH BOLTS. DESIGN BEAM CONNECTIONS FOR AN END REACTION DUE TO THE UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE MEMBER UNLESS A GREATER REACTION IS NOTED ON THE DRAWINGS.
- 5.6. APPLY PRIMER PAINT TO ALL STEELWORK, EXCEPT WHERE ZINC\_RICH PAINT IS CALLED FOR ON THE DRAWINGS. TOUCH-UP PAINT AFTER ERECTION. SURFACES RECEIVING ZINC\_RICH PAINT SHALL FIRST RECEIVE COMMERCIAL BLAST CLEANING.
- 5.7. PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
- 5.8. INSPECTION AND TESTING
- 5.9. THE CONTRACTOR MUST PROVIDE INSPECTION REPORTS FOR STRUCTURAL STEEL. ALL REPORTS MUST BE PREPARED BY AN INDEPENDENT INSPECTION AND TESTING AGENCY.
- 5.10. CUTTING AND CORING
- 5.11. CONSTRUCTION REVIEW
- 5.12. NOTIFY THE CONSULTANT 48H PRIOR TO AND COVERING UP THE STRUCTURE WITH FINISHES.
- 5.13. REJECTED WORK
- 5.14. DO NOT DELIVER TO THE SITE MATERIALS, WHICH ARE KNOWN NOT TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS, IF REJECTED AFTER DELIVERY, REMOVE IMMEDIATELY FROM SITE.

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

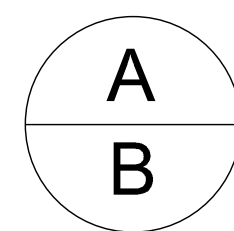
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révisions revisions		date



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detail no.  
B no. de la feuille—où détaillé  
sheet no. — where detailed

Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-36 CHURCH STREET

ST. CATHERINES, ONT.

Dessin *PART ROOF FRAMING PLAN* Drawing

GENERAL NOTES  
AND SECTION

Congu par JXD	Designed by 2013-11-26 Date
Dessiné par LKK	Drawn by 2013-11-26 Date
Approuvé par JJY	Approved by 2013-11-27 Date
Soumission	Tender
Administrateur de projets APC	PCA Project Manager
No de projet R.065355.001 APC	Project number PCA
Nom du fichier	File name
No de classement	No de classement
No de plan ou dessin	File no File name
	No feuille Sheet no
	S200



# FITUP FOR CANADA REVENUE AGENCY GOVERNMENT OF CANADA BUILDING

32-46 CHURCH STREET, ST.CATHARINES, ONTARIO  
PROJECT NUMBER: R.065355.001

LINEWORK DESIGNATION	
	NEW WORK
	EXISTING WORK TO REMAIN
	EXISTING WORK TO BE REMOVED

VENTILATION LEGEND	
	SUPPLY AIR DUCT
	RETURN OR EXHAUST AIR DUCT
	DENOTES - SUPPLY 105 cfm THRU TYPE 'A' DIFFUSER c/w 10" Ø NECK
	DENOTES - SUPPLY 105 cfm THRU 16"x10" TYPE 'B' GRILLE
	DENOTES - RETURN OR EXHAUST 105 cfm THRU 18"x10" TYPE 'C' GRILLE
	FAN DESIGNATIONS
	DENOTES - EXISTING VAV BOX 500 cfm MAX SET POINT
	ACOUSTIC DUCT LINING
	NEW AIR SUPPLY DIFFUSER
	NEW R/A GRILLE
	FLEXIBLE DUCT
	DOOR UNDERCUT
	TAKE-OFF WITH VOLUME DAMPER
	FLEXIBLE CONNECTION
	FIRE OR SMOKE DAMPER
	FIRE AND SMOKE DAMPER
	VOLUME DAMPER
	MOTORIZED DAMPER
	SPLITTER DAMPER
	RELOCATED EXISTING MECH. EQUIPMENT (VAV, LIGHT TROFFER, THERMOSTAT)
	NEW MECH. EQUIPMENT (VAV, DIFFUSER, THERMOSTAT)

EQUIPMENT LEGEND	
	FF- DENOTES FORCE FLOW HEATER 1 - DENOTES FORCE FLOW HEATER NUMBER
	DIFFUSERS & GRILLES A - DIFFUSER TYPE B - DENOTES CONNECTION SIZE- mm. C - DENOTES AIR FLOW (L/S)
	VAV OR FAN POWERED BOX A - UNIT NUMBER B - UNIT SIZE- mm. C - DENOTES AIR FLOW (L/S)

HEATING & COOLING LEGEND	
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	CONDENSATE DRAIN
	REFRIGERANT SUCTION
	REFRIGERANT LIQUID
	THERMOSTAT/TEMPERATURE SENSOR
	VARIABLE SPEED CONTROLLER
	INDIVIDUALLY CONTROLLED PARTITION MOUNTED THERMOSTAT (EXISTING)

ABBREVIATION LEGEND	
S/A	SUPPLY AIR
R/A	RETURN AIR
CTE	CONNECT TO EXISTING
DN	DOWN
ST	STORM

VALVES & SPECIALTIES LEGEND	
	ISOLATING VALVE
	BALANCE VALVE
	CONTROL VALVE
	CHECK VALVE
	STRAINER
	WALL FIN CONVACTOR
	FIRE HOSE CABINET
	FIRE EXTINGUISHER

DRAWING LIST		
DWG NO.	DRAWING NAME	SCALE
M-100	MECHANICAL LEGENDS, DRAWING LIST, AND SCHEDULES	N.T.S.
M-410	GROUND FLOOR PLAN - HVAC DUCTWORK - NEW	1:100
M-410D	GROUND FLOOR PLAN - HVAC DUCTWORK - DEMOLITION	1:100
M-420	SECOND FLOOR PLAN - HVAC DUCTWORK - NEW	1:100
M-420D	SECOND FLOOR PLAN - HVAC DUCTWORK - DEMOLITION	1:100
M-510	GROUND LEVEL FLOOR PLAN - HVAC PIPING - DEMOLITION AND NEW	1:100
M-520	SECOND LEVEL FLOOR PLAN - HVAC PIPING - DEMOLITION AND NEW	1:100
M-600	MECHANICAL EXISTING CONDITIONS- FOR INFORMATION ONLY	NTS
M-610	MECHANICAL DETAILS	NTS
M-620	EXISTING CONTROL SYSTEM - SCHEMATICS AND DETAILS	NTS

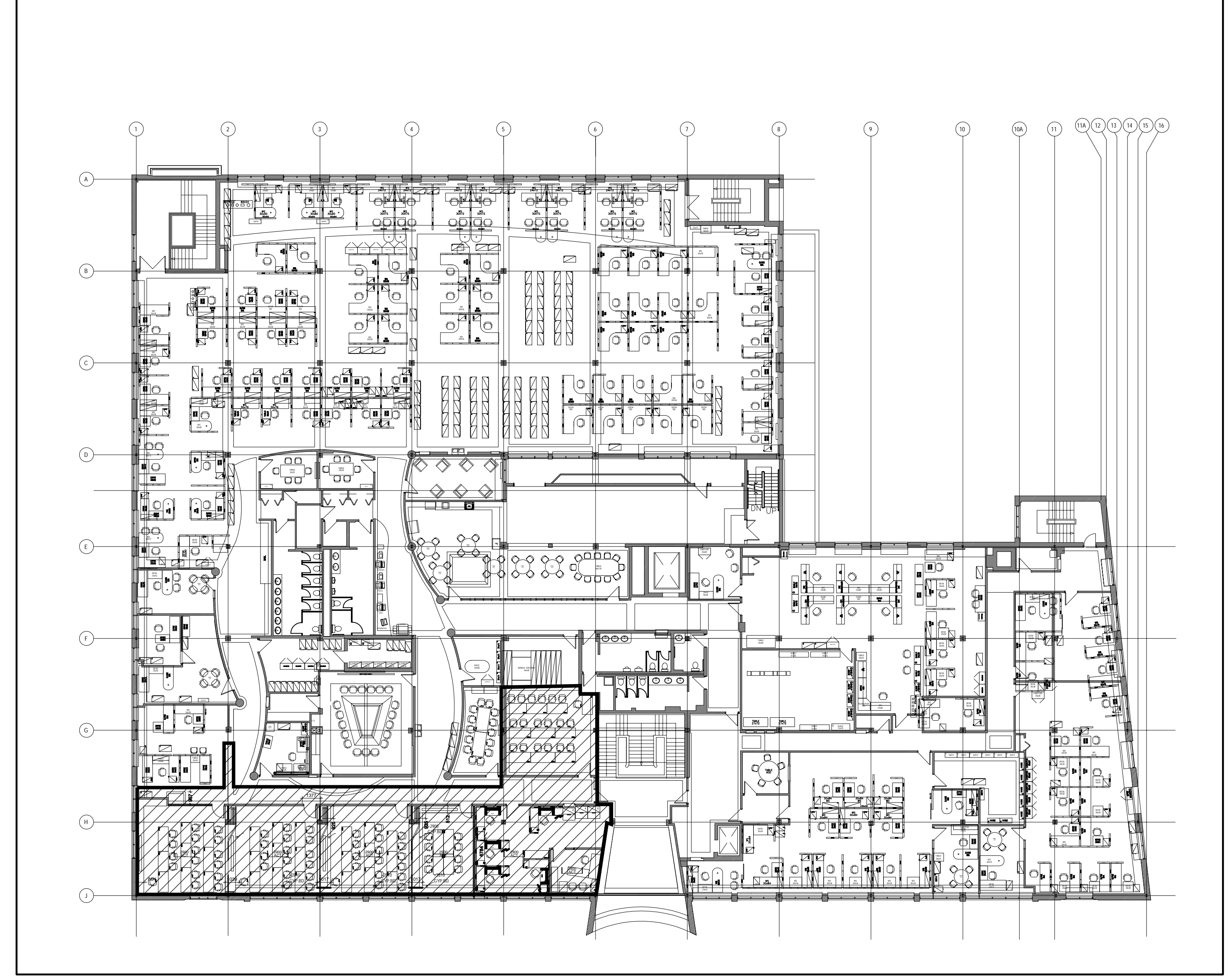
VARIABLE AIR VOLUME BOX SCHEDULE						
SYMBOL	INLET SIZE (mm)	AIR FLOW (L/S) DESIGN RANGE		SIZE HxW (mm)	MANUFACTURER	MODEL NO.
A	125	26	61	305x203		
B	150	33	80	305x203		
REMARKS:	1. ALL VAV BOXES SHALL BE COMPLETE WITH A MINIMUM OF 1000 mm ATTENUATOR. 2. VAV DOC CONTROLS SHALL BE SUPPLIED AND INSTALLED BY THE CONTROLS CONTRACTOR FOR INSTALLATION BY THE VAV BOX MANUFACTURER. 3. ALL BOXES SHALL BE EQUIPPED WITH TEMPERATURE SENSORS AT THE OUTLET OF THE BOX AND SHALL HAVE THE ABILITY TO COMMUNICATE THIS TEMPERATURE WITH THE BAS.					

GRILLE AND DIFFUSER SCHEDULE									
Symbol	Type	Border	Fastening	Damper	Finish Colour	Size (mm)	No. of Slots	Specialty	Comments
A	SUPPLY DIFFUSER	-	-	-	-	600x600	-	-	
B	RETURN DIFFUSER	-	-	-	-	NOTE 1	-	-	PERFORATED
C	LINEAR BAR GRILLE	-	-	-	-	NOTE 1	2	-	
REMARKS:	1. REFER TO DRAWING FOR SIZE. 2. FOR DRY WALL APPLICATION BORDER FRAME TYPE SF, FOR LAY-IN TILE APPLICATION BORDER FRAME TYPE LT. 3. PROVIDE ALUMINUM PLASTER FRAME FOR DRYWALL APPLICATION INSTALLATION. 4. FASTENING AS PER ARCHITECTURAL CEILING PLAN.								

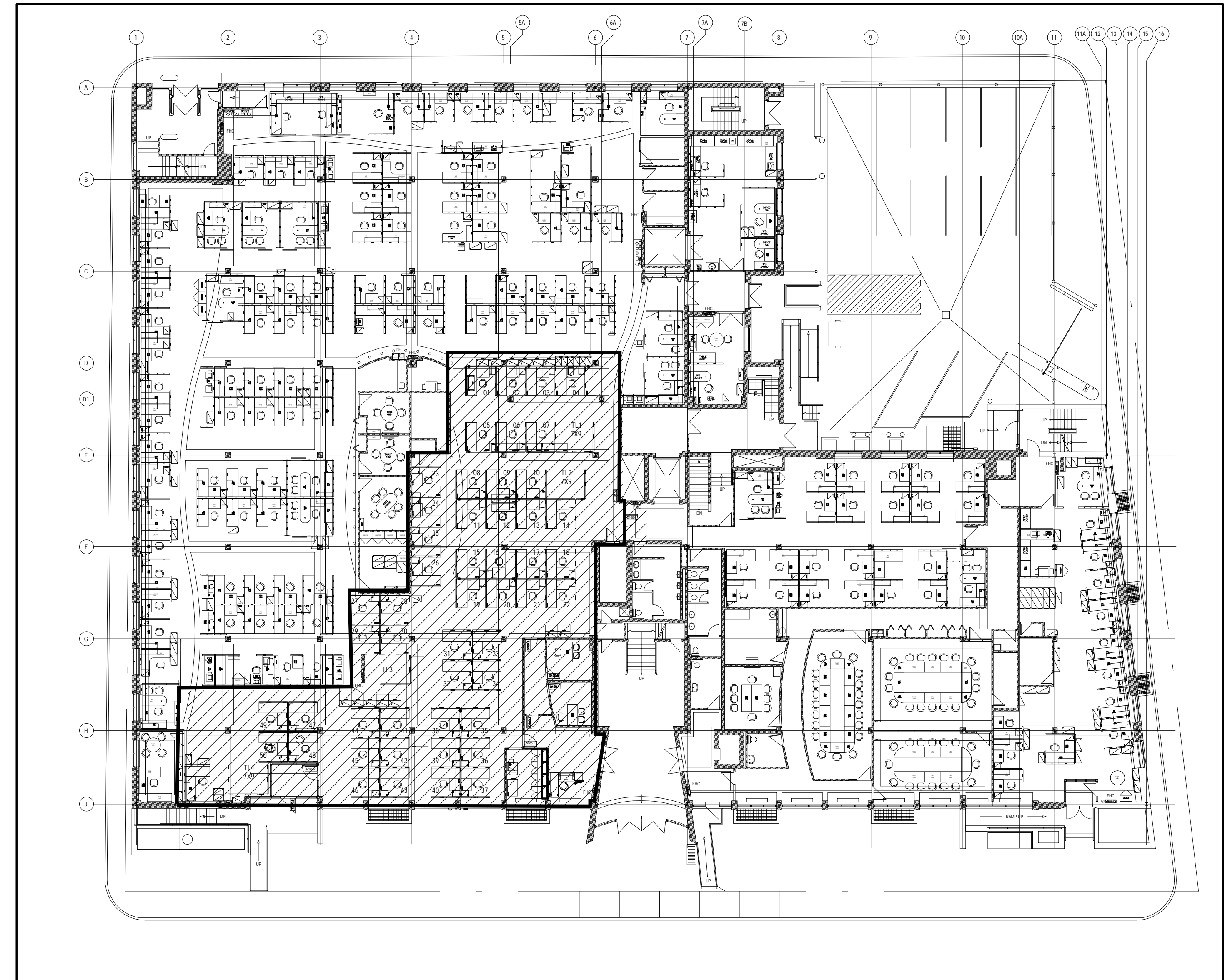
CONVECTOR SCHEDULE									
Tag No.	EWI	LWT	WATT/M	No. of Rows/Panels	Height (mm)	Length (mm)	Fit Size (mm)	Pipe Size MM	REMARKS
CV-A	B2	71	1663	2	610	NOTE 2	203	102	
REMARKS:	1-CONVECTOR SCHEDULE SHALL BE READ IN CONJUNCTION WITH DETAILS ISSUED AS PART OF THIS DRAWINGS. REVISE HEAT OUTPUTS AS PER REVISED CONVECTOR HEIGHTS. 2-FOR CONVECTOR LENGTH REFER TO DRAWING PIPING DRAWINGS.								

PACKAGED AIR CONDITIONERS WITH REMOTE CONDENSER SCHEDULE												
TAG NO.	SERVING AREA	AIR FLOW (L/s)	ESP (Pa)	NOMINAL COOLING (kW)	STYLE	BLOWER MODELER			CONDENSER MODELER			
						V/Ph	MCA	MAX Fuse, A	MODEL	V/Ph	MCA	MAX Fuse, A
AC-1,2,3,5	VARIES	270	125	5.3	SPLIT TYPE	208/1				208/1	15	20
AC-4	ROOM 206.4	153	125	3.5	SPLIT TYPE	208/1				208/1	15	20
REMARKS:												
1. UNITS TO BE SELF-CONTAINED COMPLETE WITH WALL MOUNTED PROGRAMMABLE THERMOSTAT, SUB BASE, FIRE RATE FLEXIBLE HOSES, PROVIDE ISOLATION VIBRATOR.												
2. STANDARD OF ACCEPTANCE: MITSUBISHI, SANYO, CARRIER. DESIGN IS BASED ON DAKIN.												
3. UNIT TO BE SUPPLIED PRE-CHARGED.												
4. INSTALL AS PER MANUFACTURER INSTRUCTIONS.												
5. EACH UNIT REQUIRED SEPARATE ELECTRICAL FEED. ELECTRICAL FEED BY DIV.16. CONTROL WIRING BETWEEN CONDENSER & EVAPORATOR BY DIV.15.												
6. DISCONNECT FOR CONDENSER & EVAPORATOR BY DIV.16.												
7. UNIT TO BE PROVIDED WITH MANUFACTURER INSTALLED LOW TEMPERATURE KIT (-40° F & CRANK CASE HEATER).												
8. UNIT TO BE SUITABLE FOR WALL INSTALLATION.												
9. INDOOR UNIT WEIGHT: 26.5 lbs												
10. CONDENSER UNIT WEIGHT: 93 lbs												

FORCE FLOW HEATER SCHEDULE									
TAG NO.	SERVE	V/Ph	WATT	SUPPLY L/S	EWI	LWT	WFO	STYLE	COMMENTS
FF-1.1	VESTIBULE 100.7	208/1	99	208	11.9	62	43	HORIZONTAL RECESSED	1,2,3,4
REMARKS:	1. UNIT TO BE CONTROLLED BY THERMOSTATS, THERMOSTAT BY DIV.15 2. UNIT TO BE COMPLETED WITH FRONT COLLAR OUTLET AND BOTTOM STAMPED LOUVER. 3. UNIT SHALL BE ACCESSIBLE FROM THE BOTTOM. 4. UNIT CAPACITY IS BASED ON LOW SPEED.								



2 SECOND FLOOR - LOCATION PLAN  
M-001 1:250

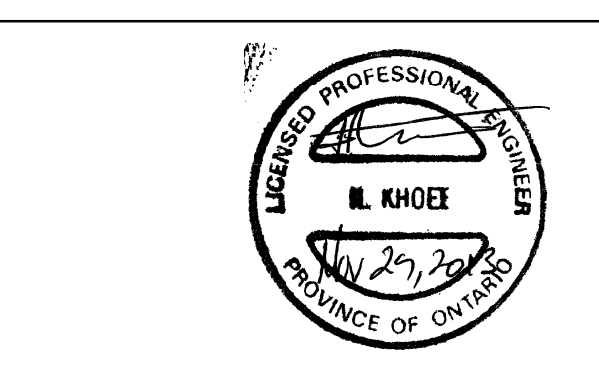


1 GROUND FLOOR - LOCATION PLAN  
M-001 1:250

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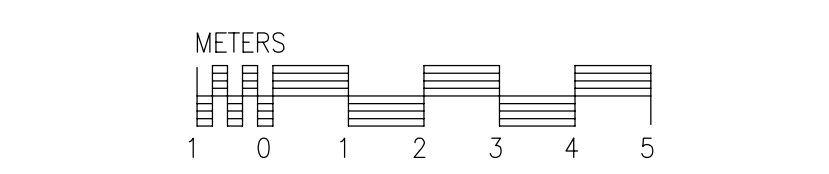
Projet **CRA OFFICE FIT UP** Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin **MECHANICAL LEGENDS, DRAWING LIST, AND SCHEDULES** Drawing

MECHANICAL LEGENDS,  
DRAWING LIST,  
AND SCHEDULES



Conçu par **CROSSEY ENGINEERING LTD.** Designed by  
2013--11-29 Date

Dessiné par **2000-12-24** Drawn by  
Date

Approuvé par **2000-12-24** Approved by  
Date

Soumission **Tender**

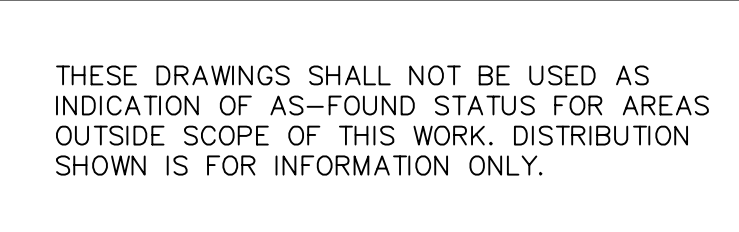
Administrateur de projets APC **PCA Project Manager**


No de projet **R.065355.001** Project number  
APC **PCA**

Nom du fichier **File name** No de classement

No de plan ou dessin **File name** No feuille **Sheet no**  
M-100





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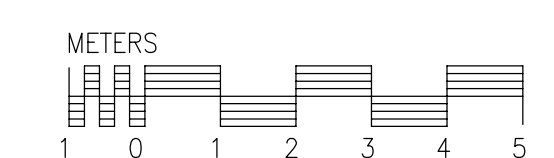
Project	Project
CRA OFFICE FIT UP	

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin	Drawing
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GROUND FLOOR PLAN  
HVAC DUCTWORK—NEW



Conçu par	Designed by
CROSSEY ENGINEERING LTD.	2013--11-29

Dessiné par	Date
AP	2000-12-24

Approuvé par	Approved by
HK	2000-12-24
	Date

	Date
Soumission	Tender
Administrateur de projets ABC	BCA, Project Manager

Administrateur de projets APC	PCA Project Manager
No de projet Project number	
R.065355.001	

APC	PCA	
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		<i>File no</i>	
No de plan ou dessin	<i>File name</i>	No feuille	<i>Sheet no</i>

	M-410
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1 GROUND FLOOR PLAN – HVAC DUCTWORK  
M-410 1:100

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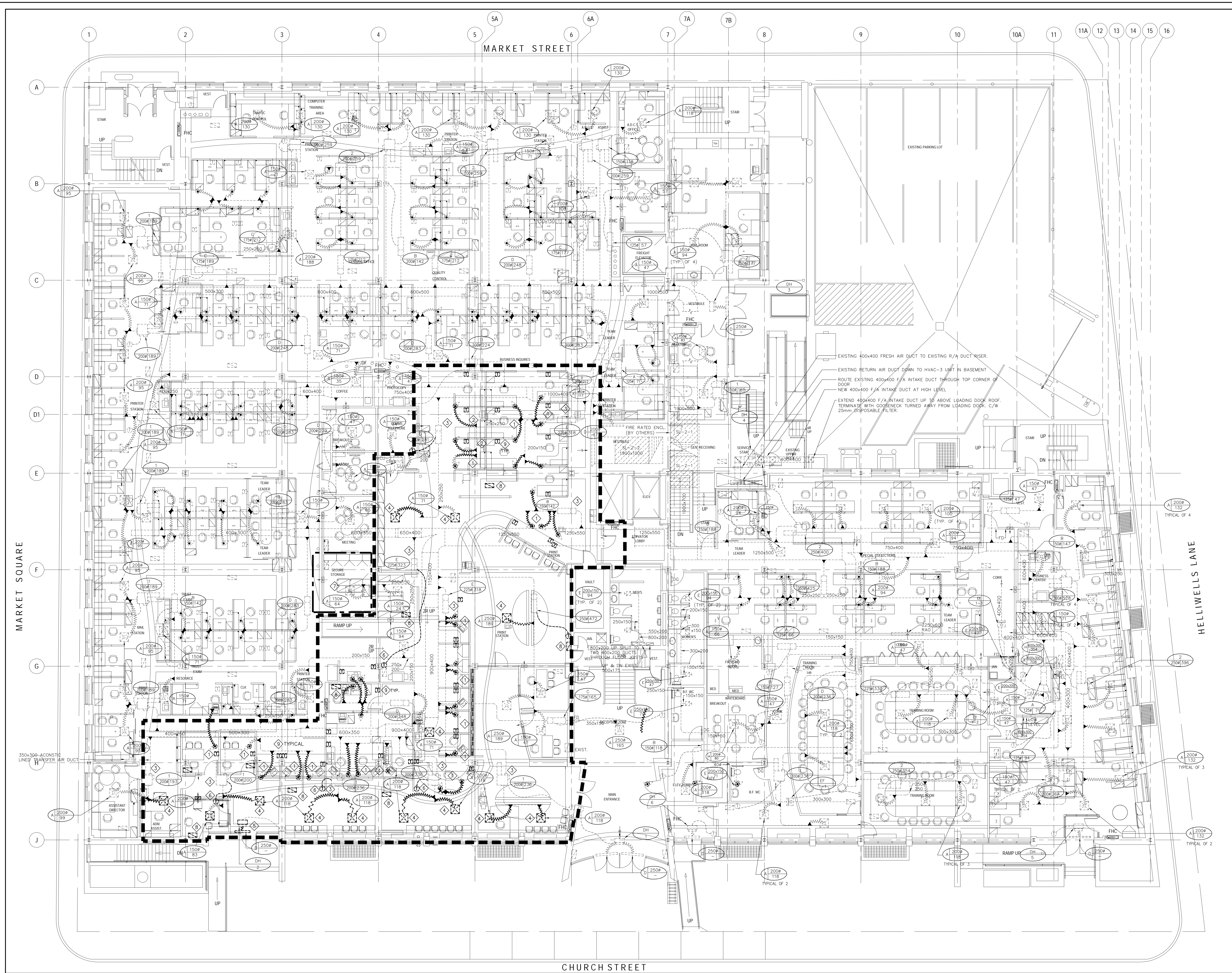
GENERAL NOTES:

1-ALL EXISTING FAN POWER BOXES & VAV BOXES SHALL BE RE-BALANCED TO MATCH NEW AIR REQUIREMENTS.

CONSTRUCTION NOTES:

- ① RELOCATE EXISTING TEMPERATURE SENSORS. (TYPICAL)
- ② MOVE DIFFUSER TO NEW LOCATION TO FIT THE NEW RCP. PROVIDE NEW FLEXIBLE DUCT.
- ③ CONNECT NEW DIFFUSER WITH FLEXIBLE DUCT TO EXISTING MAIN S/A DUCTWORK
- ④ NEW CEILING MOUNTED RECESSED TYPE FORCE FLOW HEATER. FOR SCHEMATIC AND DETAILS REFER TO DRAWING M-100
- ⑤ RELOCATE ALL EXISTING RETURN AIR GRILLE TO MATCH NEW RCP.
- ⑥ AREA NOT CURRENTLY IN SCOPE OF WORK IS BEING AFFECTED. RE-BALANCE DIFFUSER.
- ⑦ PROVIDE TEMPORARY FILTER FOR MAIN RETURN OPENING
- ⑧ INSTALL TO SUIT SITE CONDITIONS.
- ⑨ EXISTING FAN POWER BOXES TO OPERATE AS VAV. TURN OFF POWER TO THE UNIT.





1 GROUND FLOOR PLAN - HVAC DUCTWORK  
M-410 1:100

CONSTRUCTION NOTES:

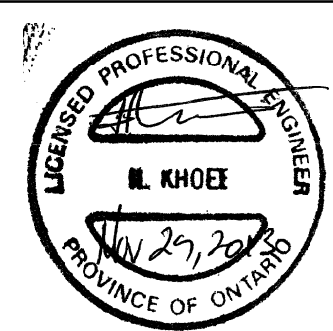
- ◇ REMOVE EXISTING DIFFUSER AND FLEXIBLE CONNECTION. BLANK OFF THE BRANCH WITH SHEET METAL.
- ◇ KEEP THE EXISTING BRANCH INLET FOR NEW DUCT CONNECTION.
- ◇ VAV BOX OR FAN POWER BOX TO REMAIN.
- ◇ RELOCATE EXISTING DIFFUSER TO MATCH THE NEW CEILING PLAN. PROVIDE NEW FLEXIBLE DUCT. FOR NEW LOCATION REFER TO DRAWING M-410
- ◇ DISCONNECT PIPING AND REMOVE EXISTING DOOR HEATER. THERMOSTAT TO REMAIN. FOR NEW DOOR HEATER REFER TO DRAWING M-410
- ◇ RELOCATE EXISTING TEMPERATURE SENSOR TO MATCH NEW ARCHITECTURAL LAYOUT. FOR NEW LOCATION OF SENSORS REFER TO DRAWING M-410 AND SCHEDULES. (TYPICAL)
- ◇ AREA NOT CURRENTLY IN SCOPE OF WORK WHICH IS AFFECTED. RE-BALANCE DIFFUSER.
- ◇ RELOCATE RETURN AIR GRILLE TO MATCH THE NEW CEILING
- ◇ REMOVE INDIVIDUALLY MOUNTED PARTITION THERMOSTATS C/W ALL ASSOCIATED MECHANICAL ASSEMBLIES.

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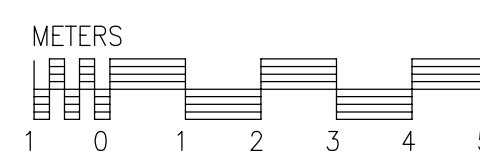
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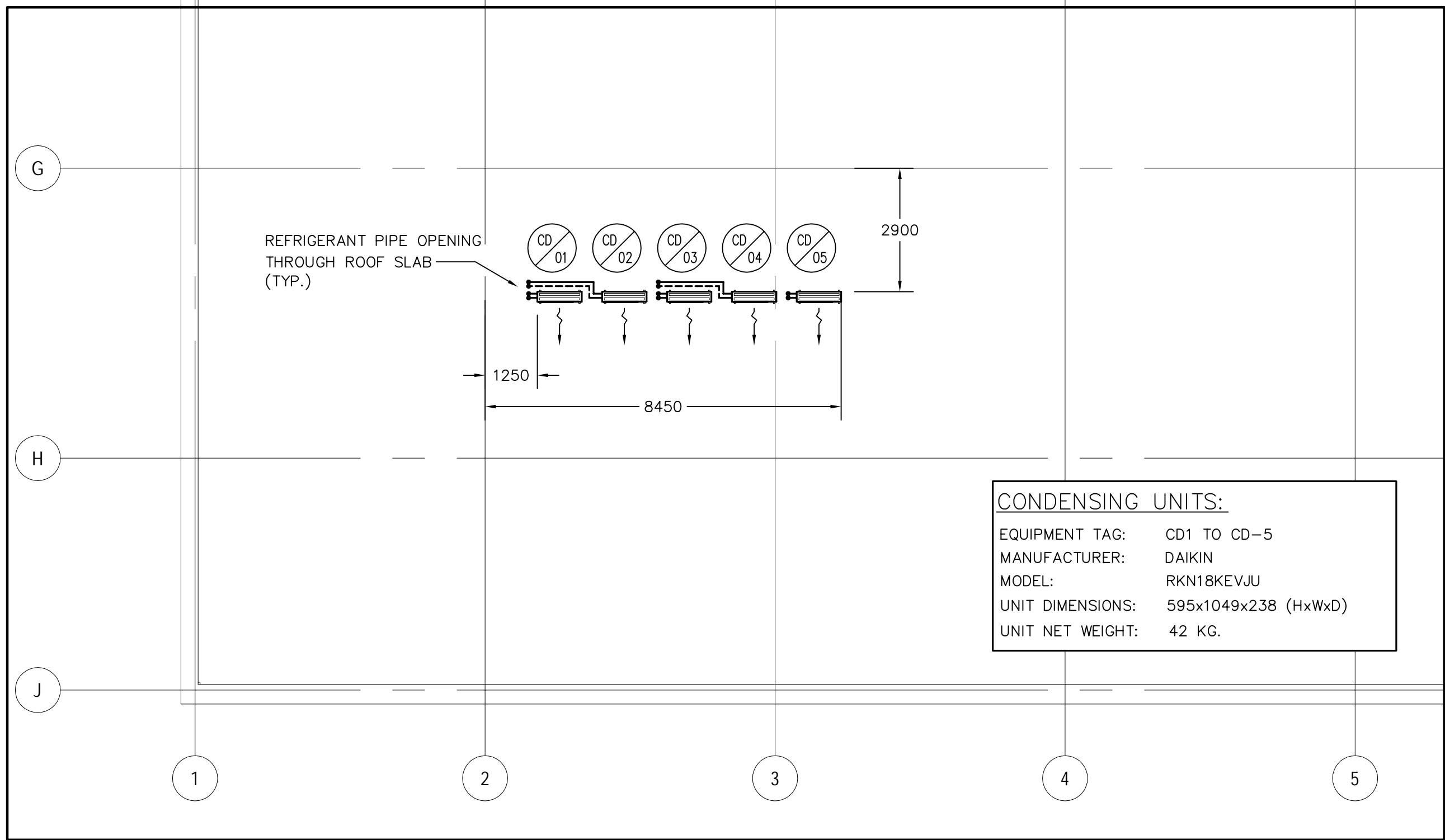
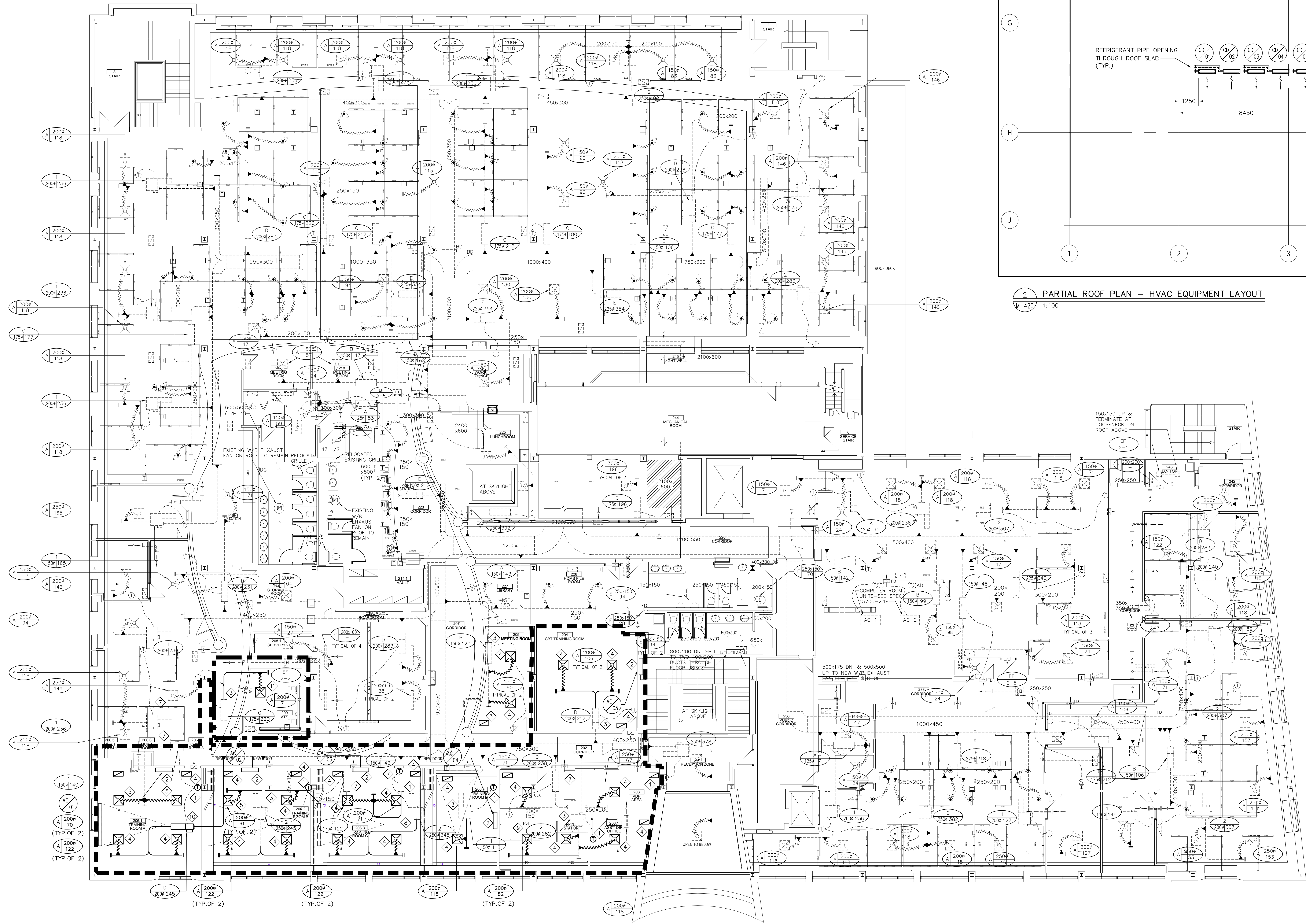
Dessin **GROUND FLOOR PLAN - HVAC DUCTWORK DEMOLITION** Drawing



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No de feuille	Sheet no
M-410D	



1 SECOND FLOOR PLAN - HVAC DUCTWORK  
M-420 1:100



2 PARTIAL ROOF PLAN - HVAC EQUIPMENT LAYOUT  
M-420 1:100

CONDENSING UNITS:  
EQUIPMENT TAG: CD1 TO CD-5  
MANUFACTURER: DAIKIN  
MODEL: RKNTBKEVJU  
UNIT DIMENSIONS: 595x1049x238 (HxWxD)  
UNIT NET WEIGHT: 42 KG.

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INDICATION OF AS-FOUND STATUS FOR AREAS  
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GENERAL NOTES:

1- ALL EXISTING FAN POWER BOXES & VAV BOXES SHALL BE  
RE-BALANCED TO MATCH NEW AIR REQUIREMENTS.  
2- FAN POWER BOXES SHALL ACT AS VAV BOXES. THERMOSTAT AND  
EXISTING ELECTRICAL CONNECTIONS TO REMAIN.

CONSTRUCTION NOTES:

- RELOCATE EXISTING TEMPERATURE SENSORS.
- PROVIDE NEW AC-UNIT. EACH AC-UNIT TO BE c/w ASSOCIATED  
CONDENSING UNIT LOCATED ON THE ROOF.
- EXISTING UNITS TO REMAIN AND REBALANCED TO AIR FLOW AS INDICATED.
- RELOCATE EXISTING DIFFUSER TO MATCH NEW RCP. RE-BALANCE THE S/A TO AMOUNT SHOWN ON PLAN.
- PROVIDE NEW DIFFUSER.
- PROVIDE NEW DIFFUSER.
- EXISTING VAV TO REMAIN.
- EXISTING FAN POWER BOX TO BE COORDINATED WITH ARCHITECT TO PREVENT INTERFERING WITH PARTITION WALL.
- PROVIDE NEW DIFFUSER.
- PROVIDE NEW VAV BOX.
- CONNECT NEW DIFFUSER IN ITS ROOM TO VAV BOX "C" AND RE-BALANCE THE SYSTEM.  
NEW SUPPLY AIR FROM VAV BOX "C" SHALL BE 220 L/S

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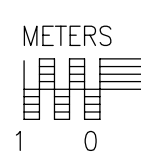
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SECOND FLOOR PLAN -  
HVAC DUCTWORK -NEW

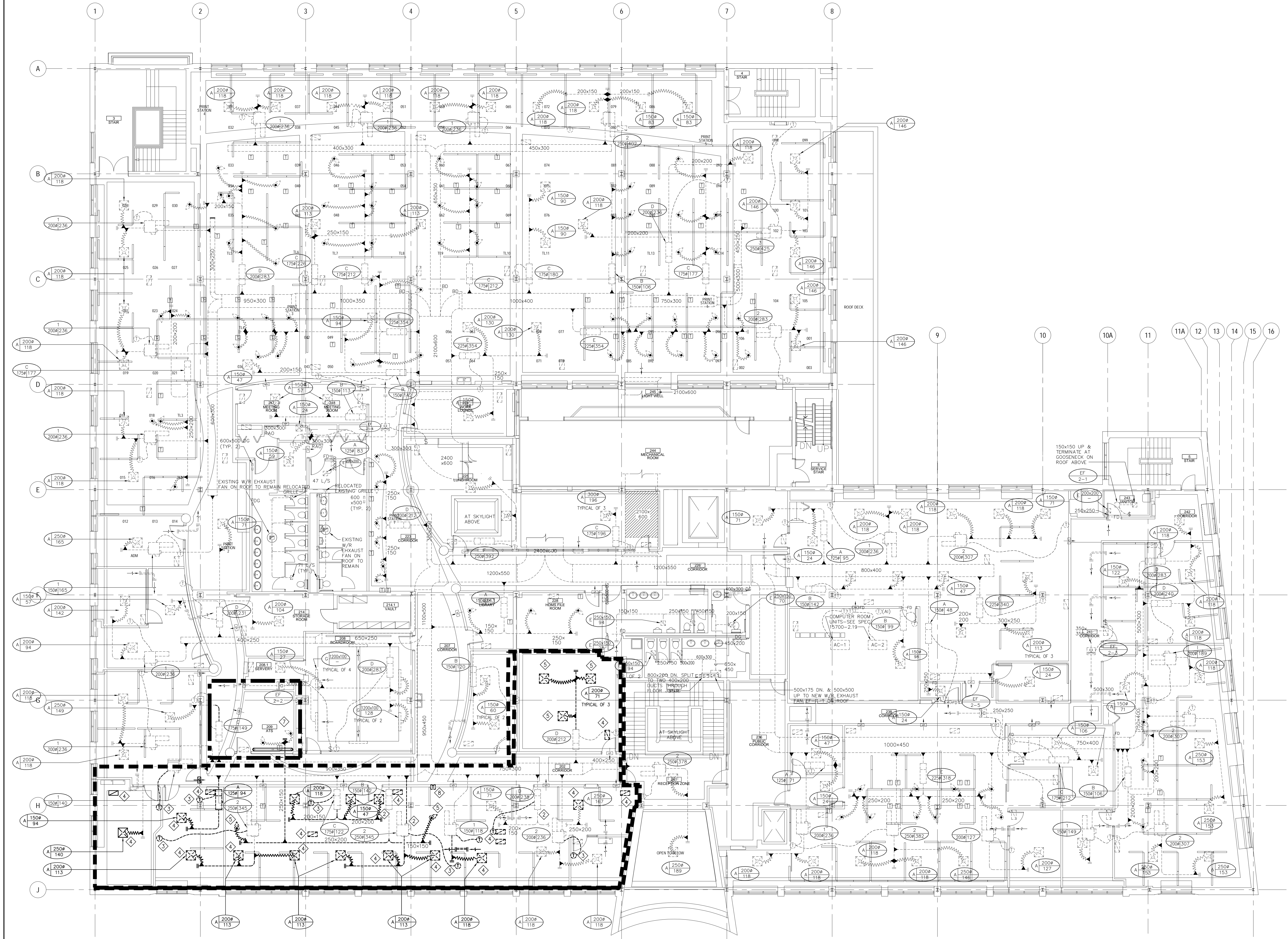


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1 SECOND FLOOR PLAN - DEMOLITION - HVAC DUCTWORK  
M-4200 1:100

CONSTRUCTION NOTES:

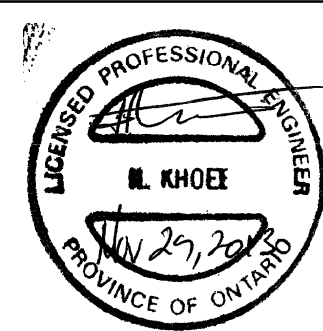
- ◇ RUN REFRIGERANT LINES FROM UNIT TO CONDENSER UNIT ON ROOF. FOR DETAILS REFER TO DRAWING M-100 DETAIL 3.
- ◇ EXISTING FAN POWER BOX TO REMAIN. REMOVE DUCTWORK AS INDICATED.
- ◇ RELOCATE EXISTING TEMPERATURE SENSOR TO MATCH NEW LAYOUT.
- ◇ RELOCATE EXISTING SUPPLY DIFFUSERS AND RETURN AIR GRILLES TO MATCH THE NEW CEILING LAYOUT.
- ◇ REMOVE EXISTING DIFFUSER AND FLEXIBLE CONNECTION. BLANK OFF THE BRANCH WITH SHEET METAL.
- ◇ REMOVE EXISTING DIFFUSER AND FLEXIBLE CONNECTION. BLANK OFF THE BRANCH WITH SHEET METAL.
- ◇ ALTHOUGH AT'S ROOM IS OUT OF SCOPE OF WORK PROVISION SHALL BE CONSIDERED TO DISCONNECT AND REMOVE S/A DUCT. THE EXISTING DIFFUSERS IN AT'S ROOM SHALL BE RECONNECTED TO ADJACENT VAV BOX "C". FOR CONNECTION DETAIL REFER TO DRAWING M-420.
- ◇ REMOVE INDIVIDUALLY MOUNTED PARTITION THERMOSTATS C/W ALL ASSOCIATED MECHANICAL ASSEMBLIES.

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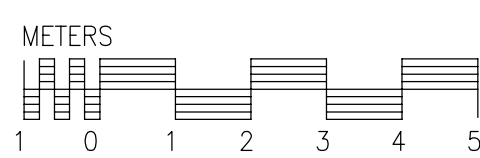
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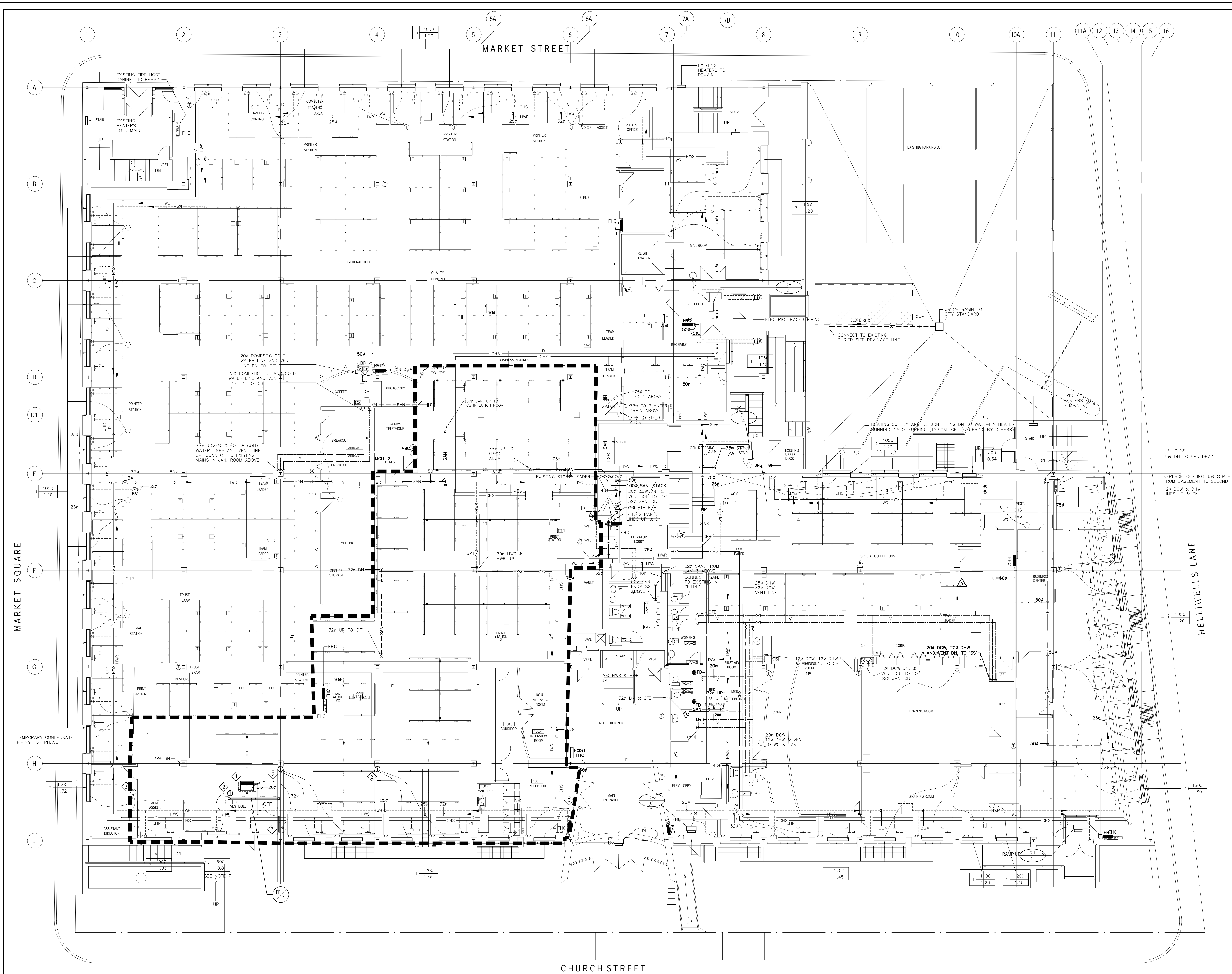
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Dessin **SECOND FLOOR PLAN - HVAC DUCTWORK DEMOLITION** Drawing



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	M-4200





1 GROUND FLOOR PLAN - HVAC PIPING  
M-510 1:100

CONSTRUCTION NOTES:

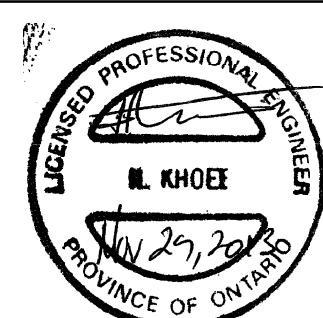
- REVIEW EXISTING DOOR HEATER AND SUBMIT REPORT OF STATUS PRIOR TO REMOVAL. PROVIDE NEW CEILING MOUNTED FORCE FLOW HEATER AND .CONNECT MAIN HWS/R LINE TO NEW HEATER WITH 20# PIPES. FORCE FLOW HEATER TO BE CONNECTED TO EXISTING TEMPERATURE SENSORS.
- RELOCATE EXISTING TEMPERATURE SENSORS AND CONNECT WALL FIN CONVECTORS TO THEM. TEMPERATURE SENSORS SHALL BE USE COMMONLY BETWEEN CONVECTORS AND VAV/FAN POWER BOXES IN HEATING MODE.
- EXISTING TEMPERATURE SENSOR TO REMAIN. CONNECT TEMPERATURE SENSOR TO NEW FORCE FLOW HEATER.

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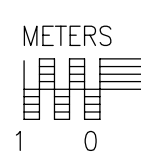
Projet **CRA OFFICE FIT UP** Project

CANADA REVENUE AGENCY  
32-46 CHURCH STREET

ST. CATHARINES, ONT.

Dessin **GROUND FLOOR PLAN - HVAC PIPING DEMOLITION AND NEW** Drawing

GROUND FLOOR PLAN -  
HVAC PIPING  
DEMOLITION AND NEW

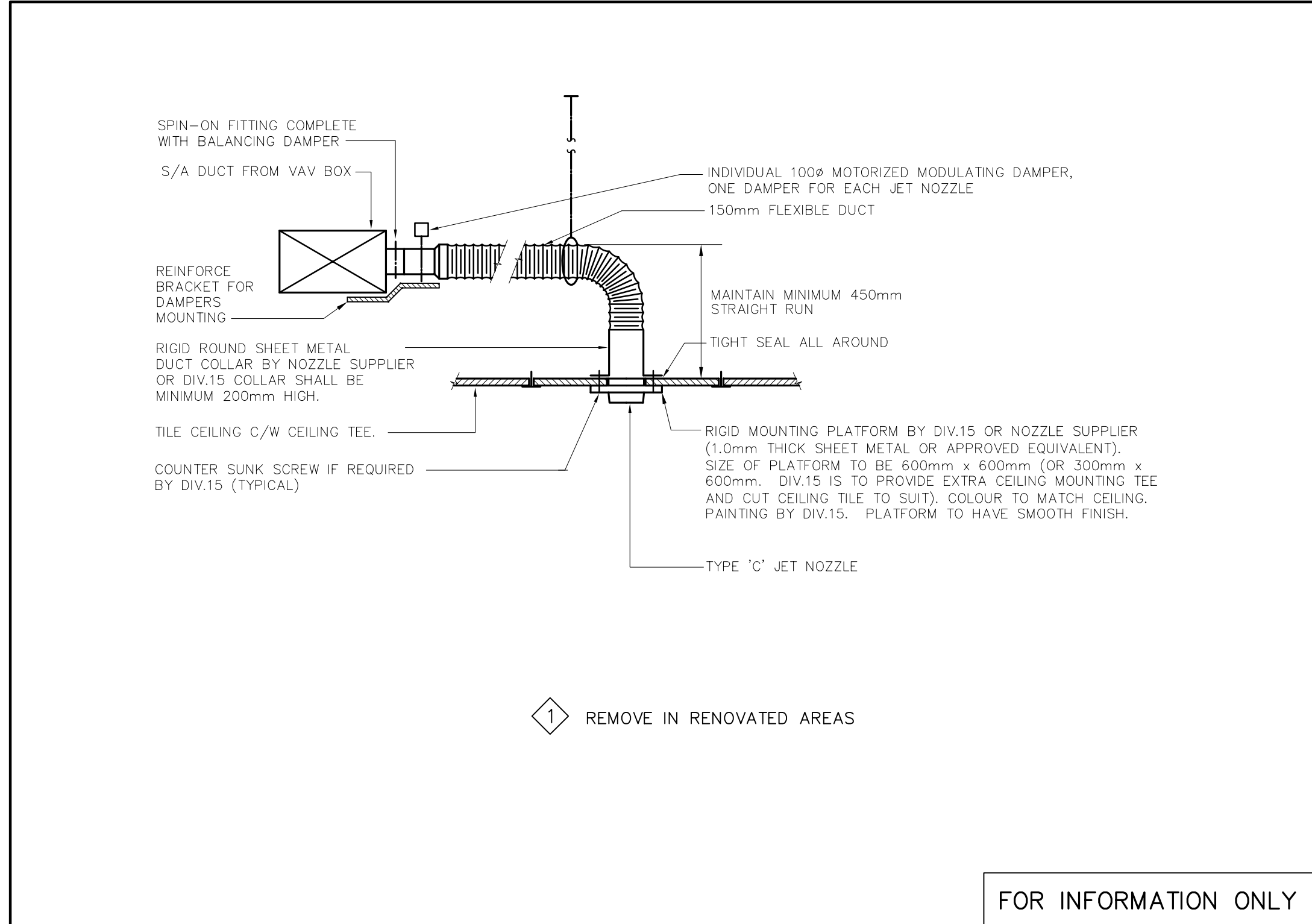


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Soumission	Tender
Administrateur de projets APC	PCA Project Manager
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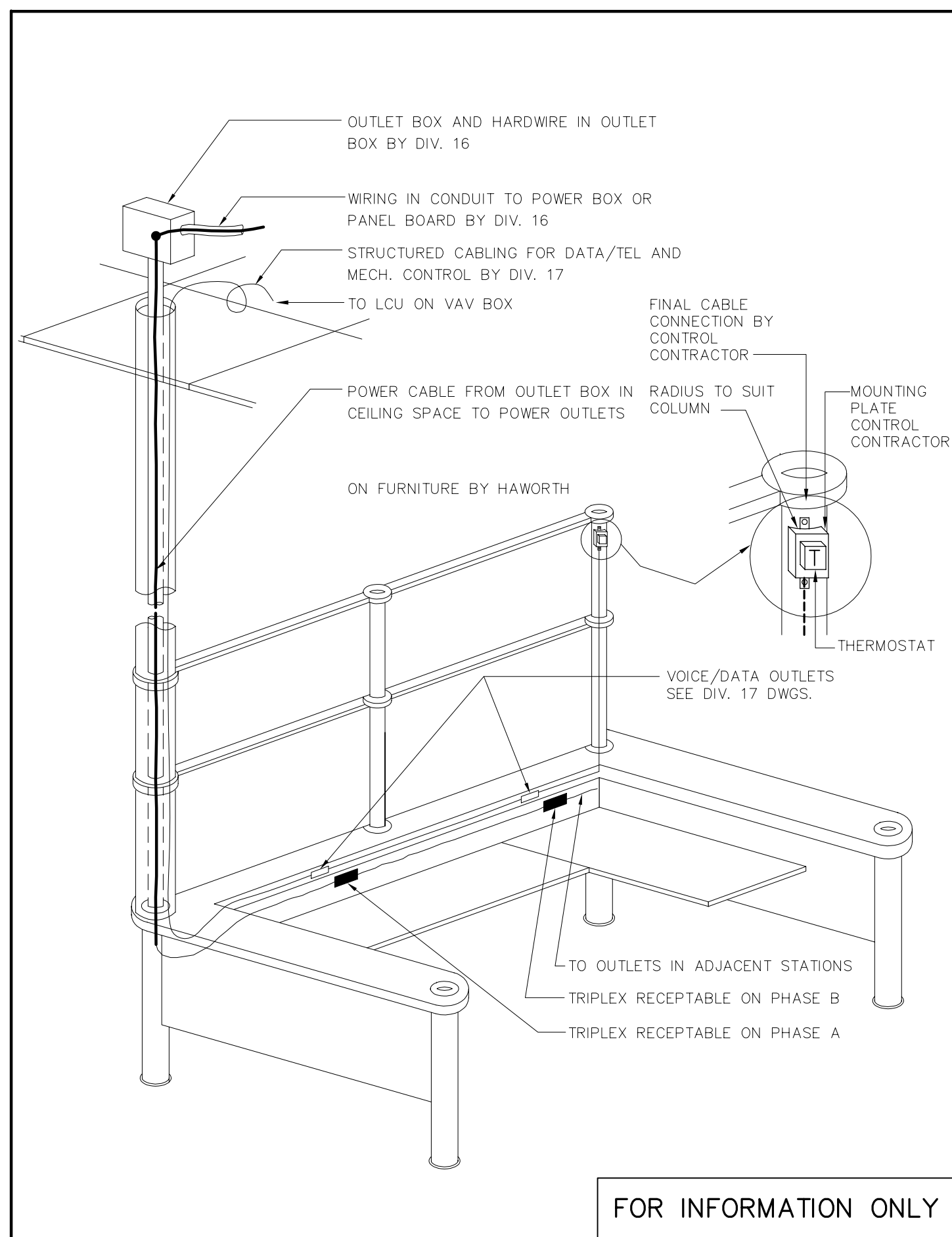




FOR INFORMATION ONLY

1 JET NOZZLE INSTALLATION DETAIL (FOR INTERIOR WORKSTATION)

M-600/ NTS



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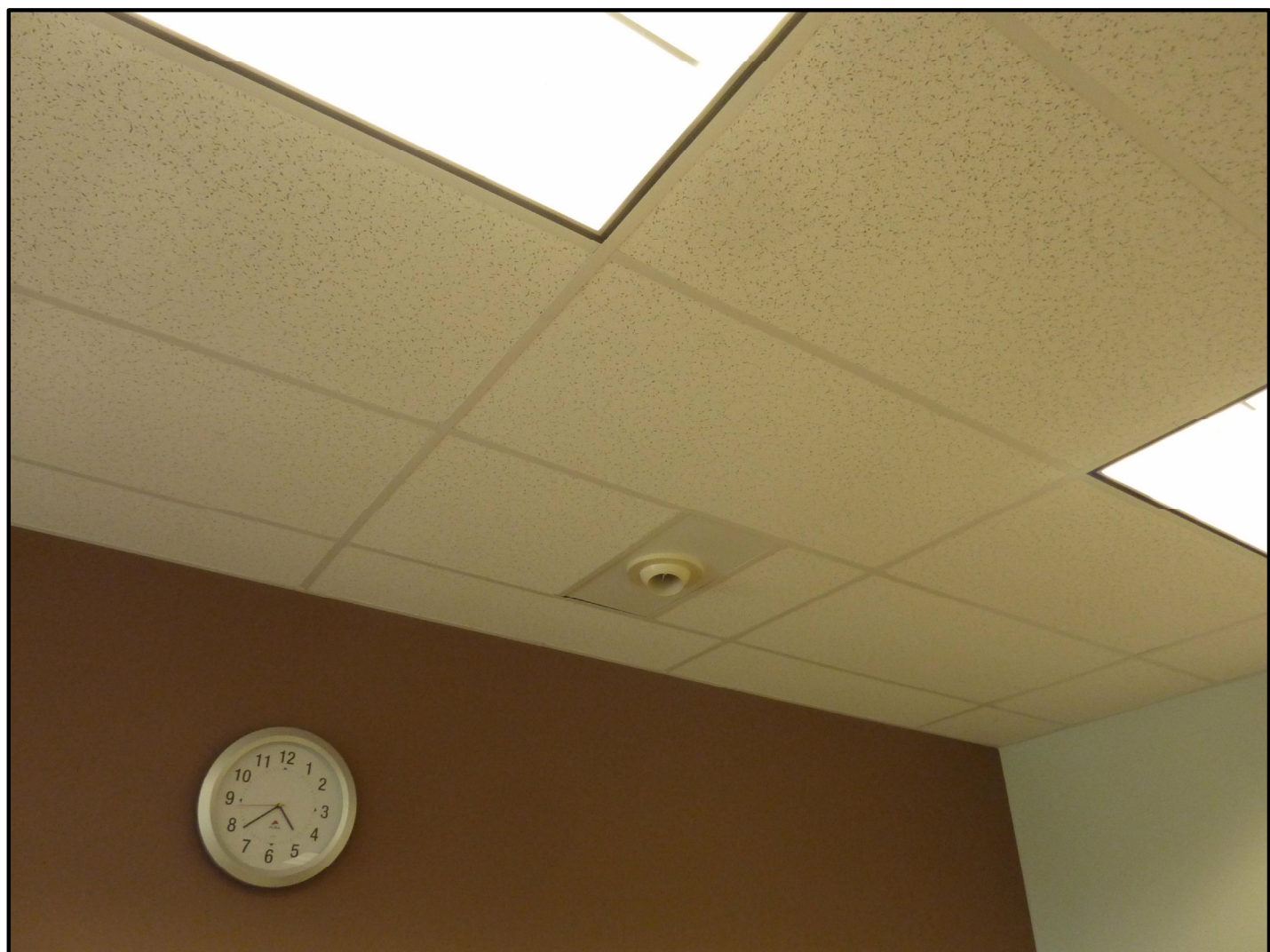
3 TYPICAL CONTROL WIRING AND THERMOSTAT MONTING DETAIL TO EXISTING HAWORTH FURNITURE

M-600/ NTS



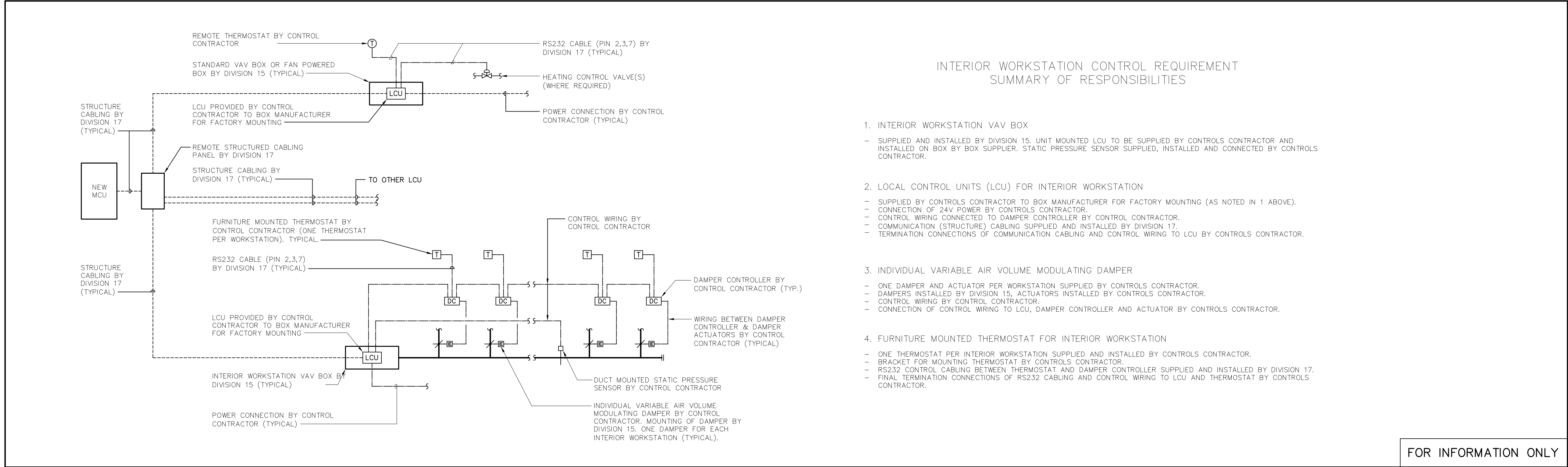
7 EXISTING SUPPLY AIR DIFFUSERS ON SECOND FLOOR - NEW DIFFUSERS TO MATCH EXISTING

M-600/ NTS



8 EXISTING 'JET' TYPE DIFFUSERS TO BE REMOVED AND REPLACED WITH STANDARD 600x600 SUPPLY AIR DIFFUSERS.

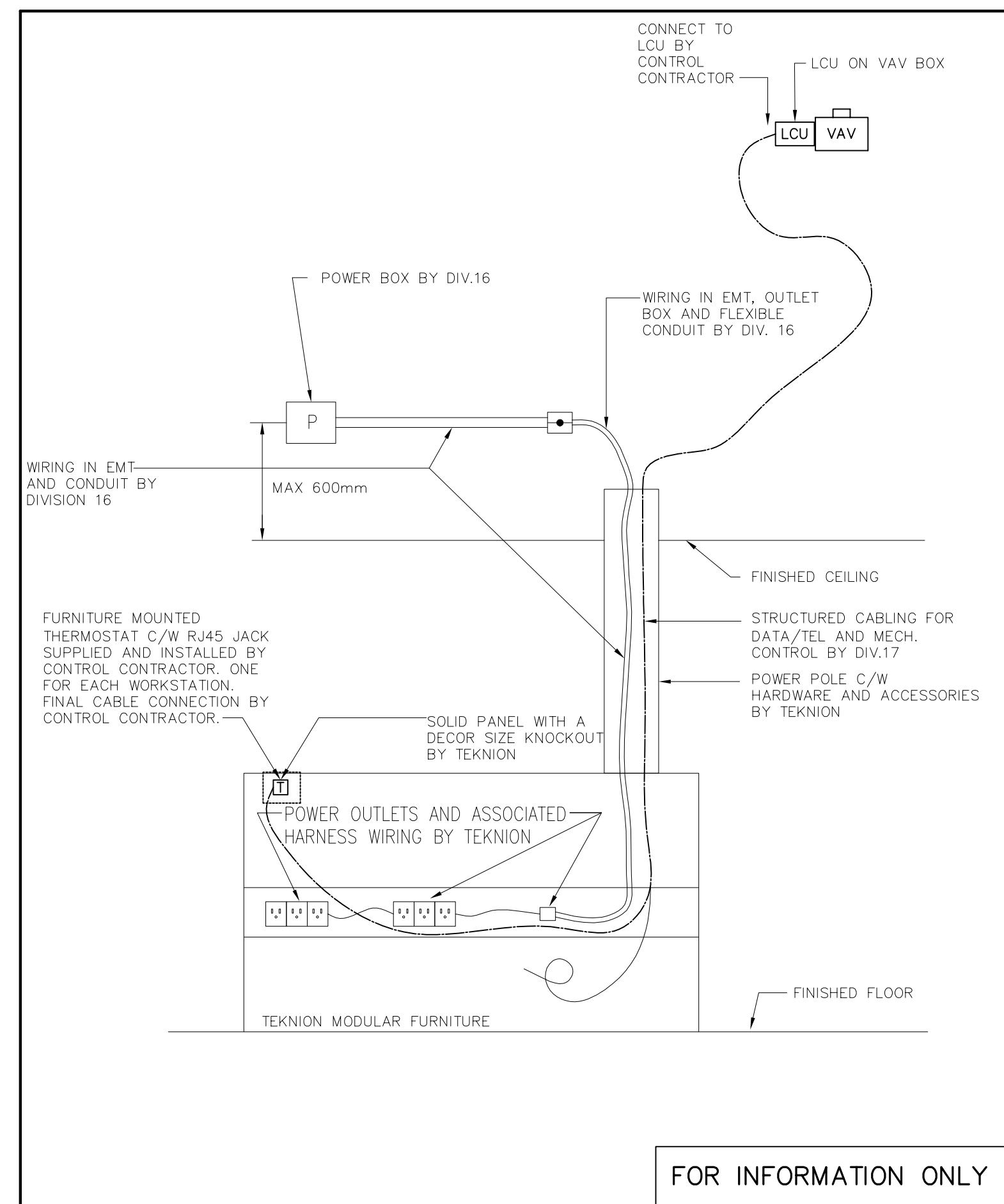
M-600/ NTS



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2 CONTROL/STRUCTURE CABLING SYSTEM INTEGRATION RESPONSIBILITIES

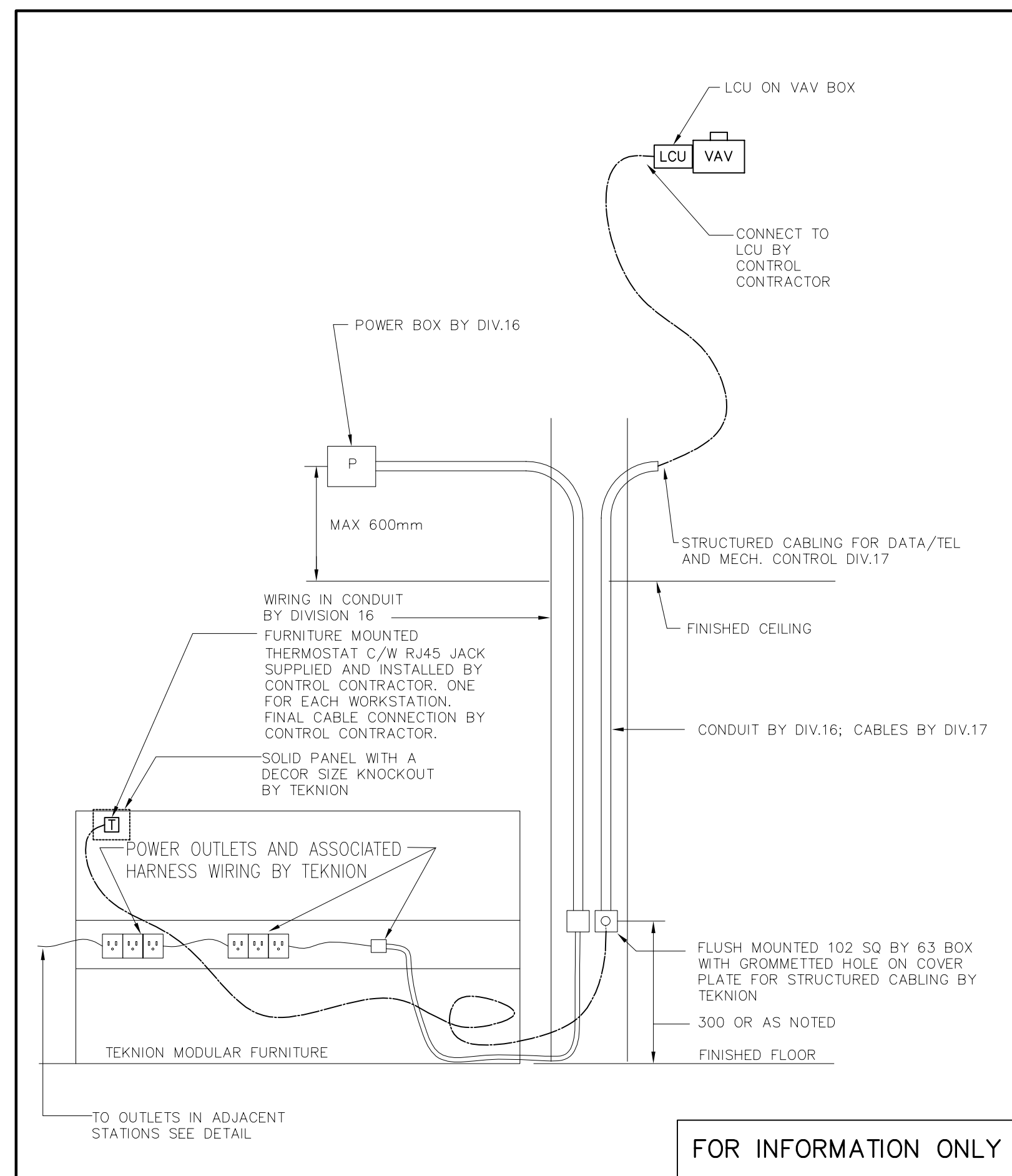
M-600/ NTS



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4 TYPICAL CONTROL WIRING TO MODULAR FURNITURE VIA POWER POLE

M-600/ NTS



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5 TYPICAL CONTROL WIRING TO MODULAR FURNITURE FROM WALL OR COLUMN

M-600/ NTS



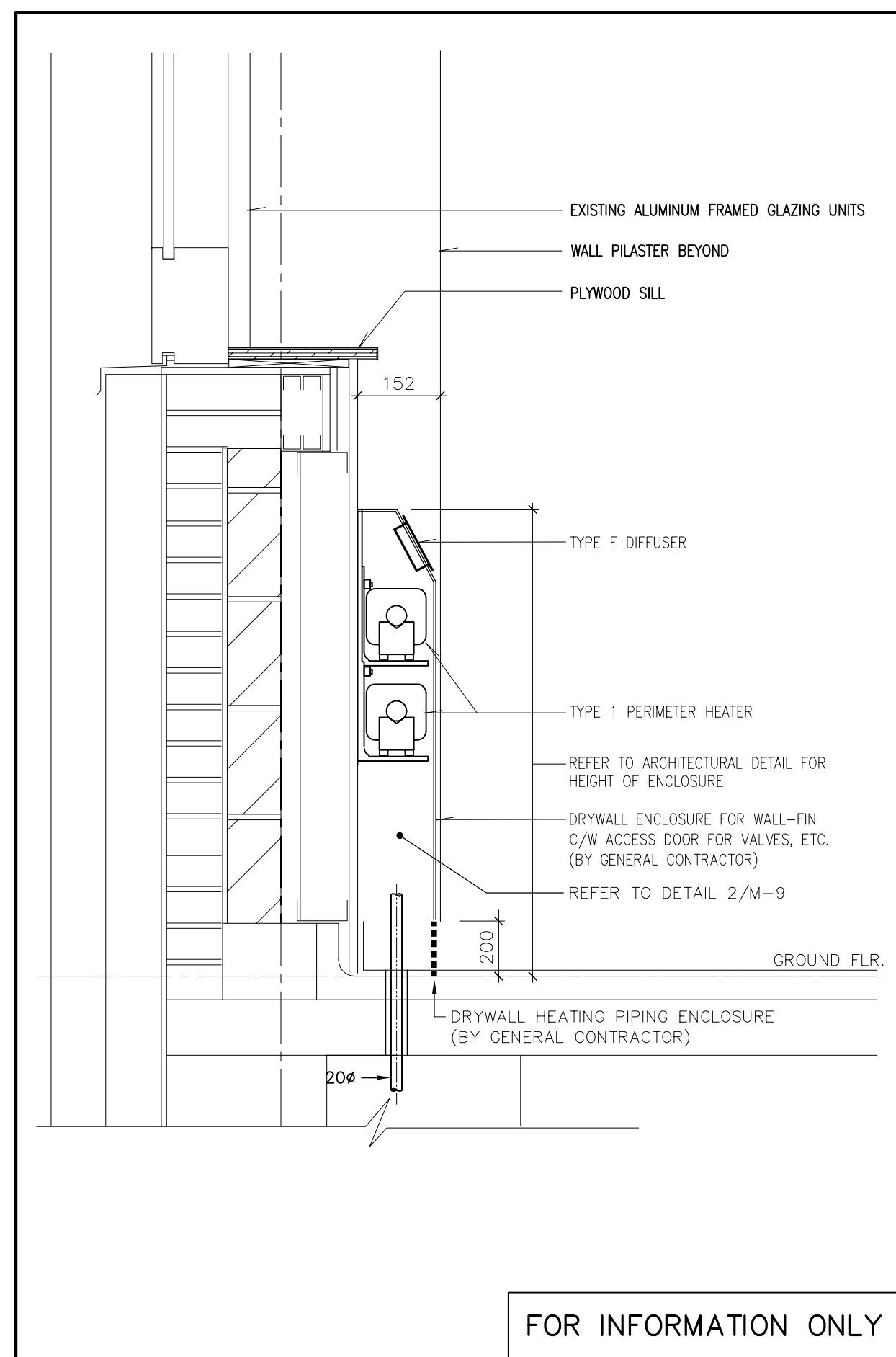
9 EXISTING EGG-GRADE RETURN : NEW EGG GRATES USED IN VICINITY OF EXISTING ONES TO MATCH

M-600/ NTS



10 JET ZONE DIFFUSER THERMOSTATS TO BE DISMANTLED- WORK INCLUDES REMOVING ASSOCIATED DAMPERS AND CONTROLS.

M-600/ NTS



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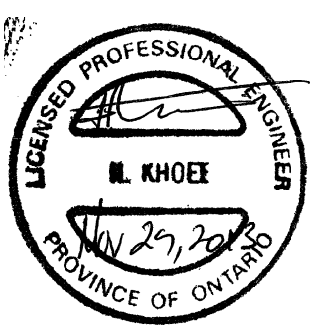
6 WALL FIN HEATER DETAIL-TYPE 1 (FOR UNDER WINDOW APPLICATION)

M-600/ NTS



11 EXISTING DIFFUSERS ON GROUND FLOOR - NEW DIFFUSERS TO MATCH EXISTING

M-600/ NTS



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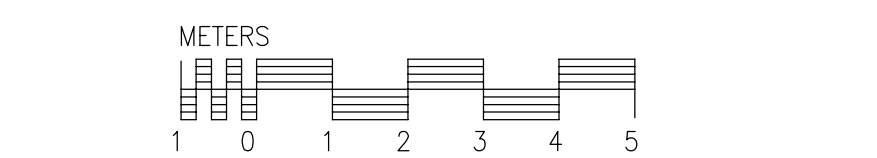
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Dessin *Drawing*

MECHANICAL  
EXISTING CONDITION  
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Date 2013-11-29

Dessiné par **FB** *Drawn by*  
Date 2013-11-29

Approuvé par **HK** *Approved by*  
Date 2013-11-29

Soumission *Tender*

Administrateur de projets APC *PCA Project Manager*

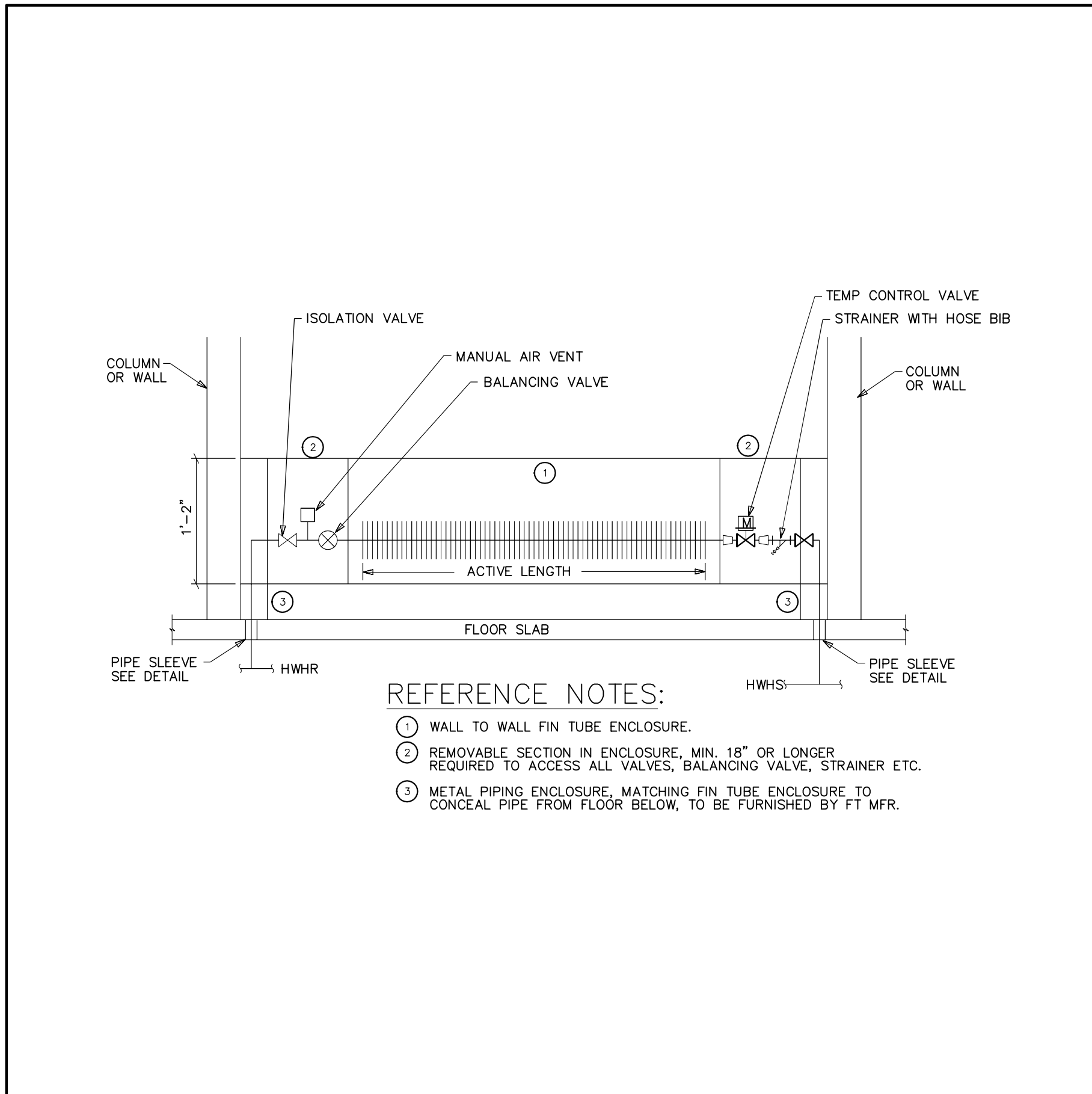
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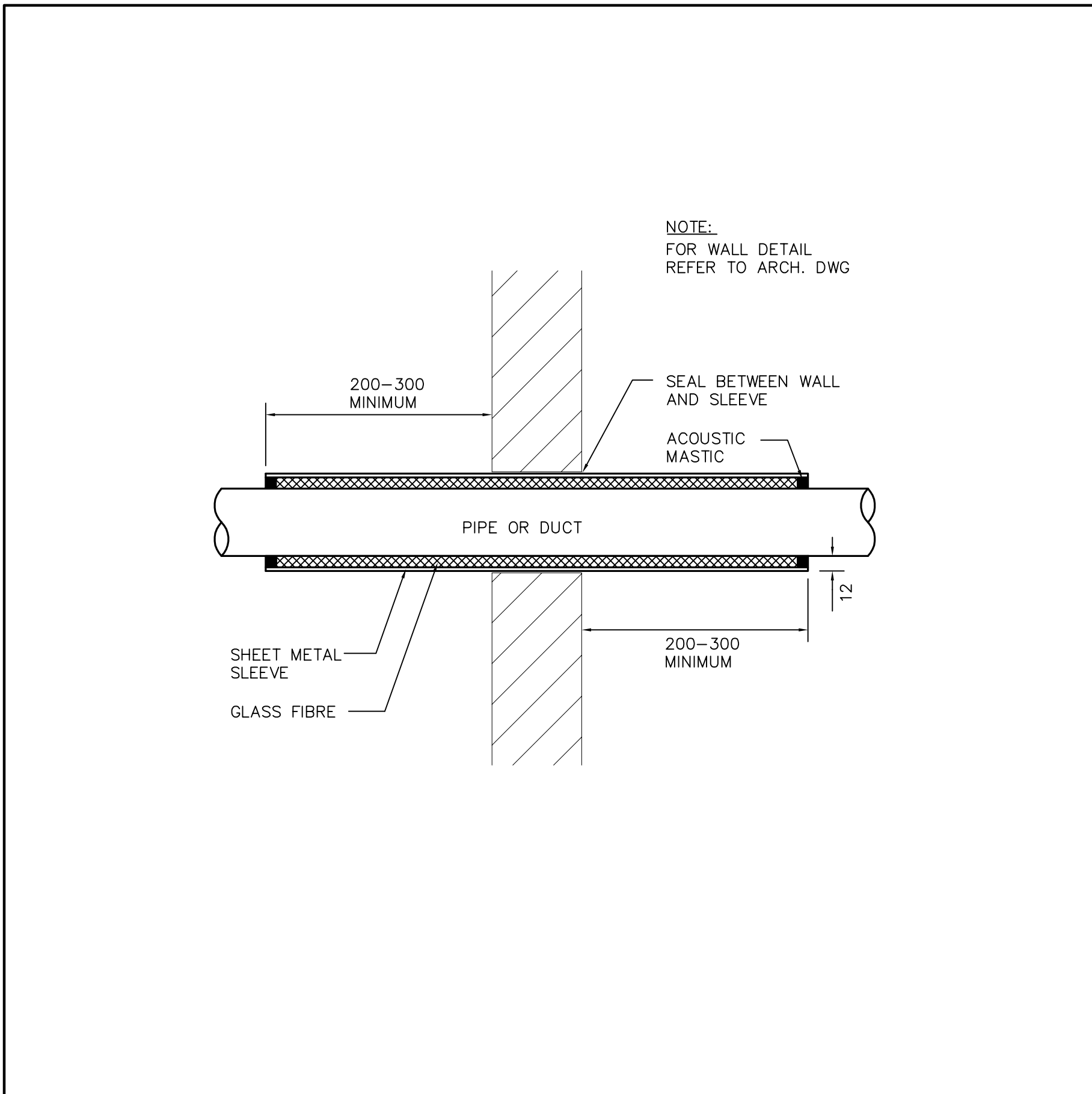


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AutoCAD 2013/11/29

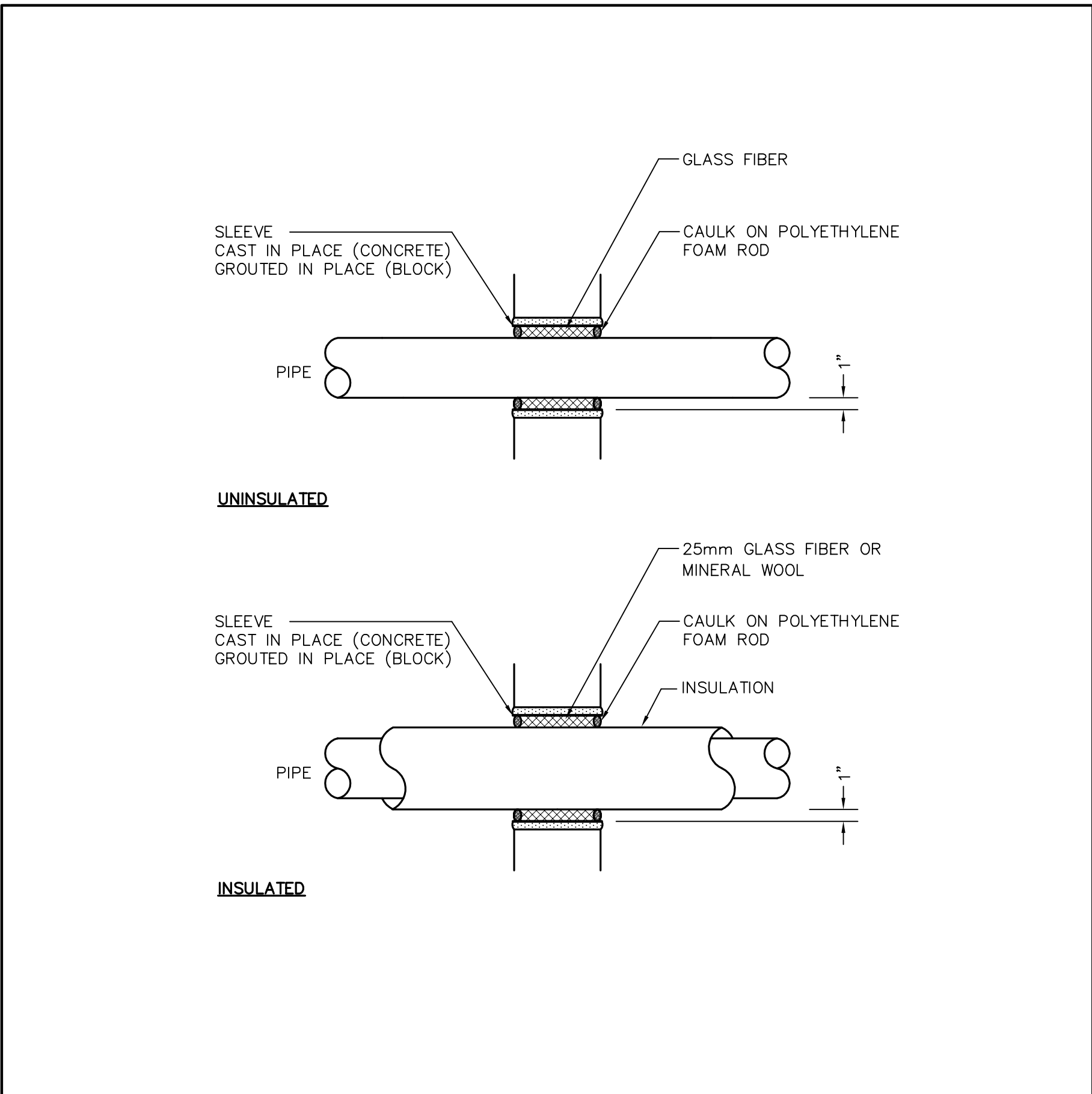


- REFERENCE NOTES:
- 1 WALL TO WALL FIN TUBE ENCLOSURE.
  - 2 REMOVABLE SECTION IN ENCLOSURE, MIN. 15" OR LONGER, REQUIRED TO ACCESS ALL VALVES, BALANCING VALVE, STRAINER, ETC.
  - 3 METAL PIPING ENCLOSURE, MATCHING FIN TUBE ENCLOSURE TO CONCEAL PIPE FROM FLOOR BELOW, TO BE FURNISHED BY FT MFR.

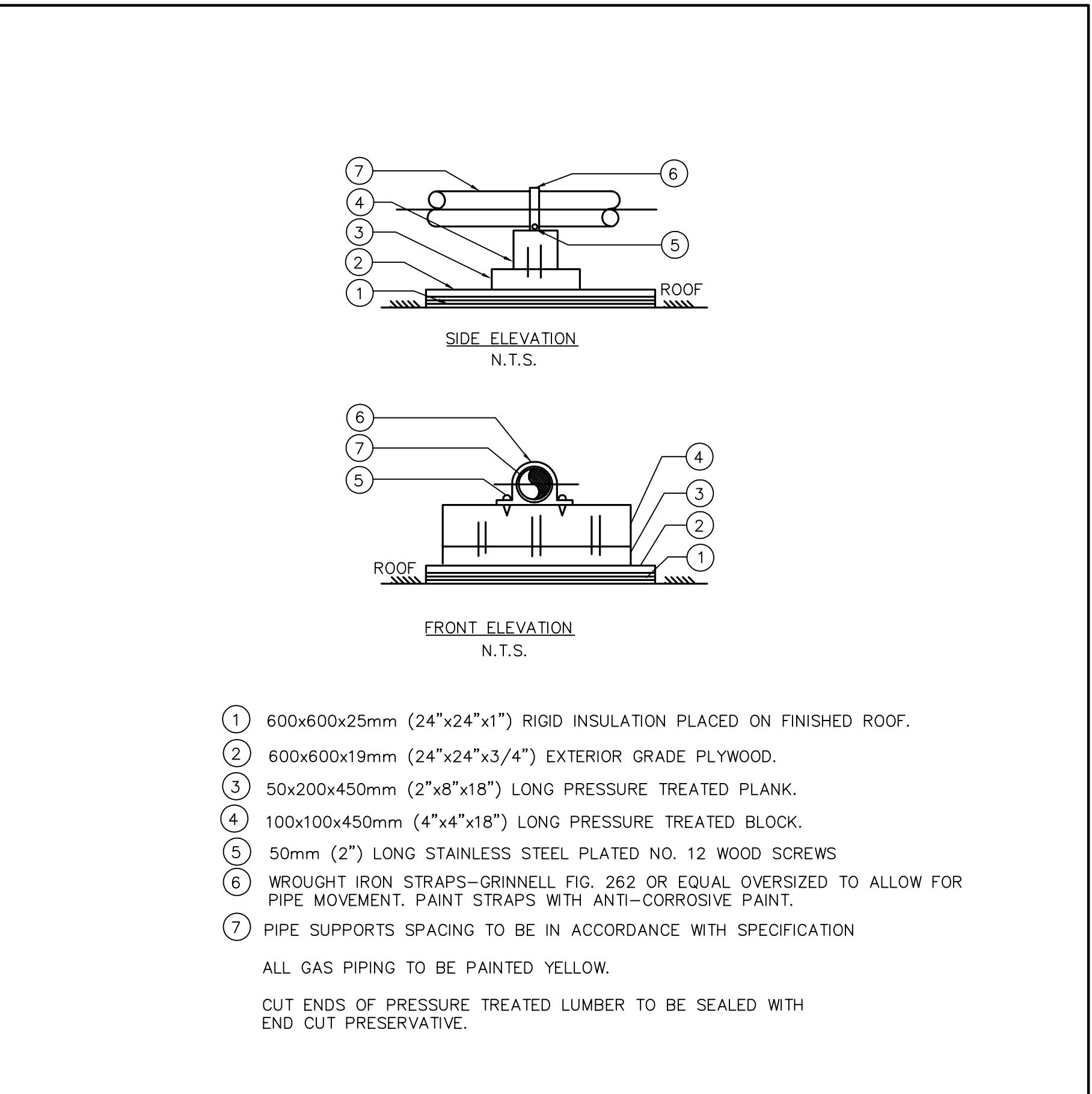
1 TYPICAL HOT WATER FIN-TUBE PIPING DETAIL  
M-610/ NTS



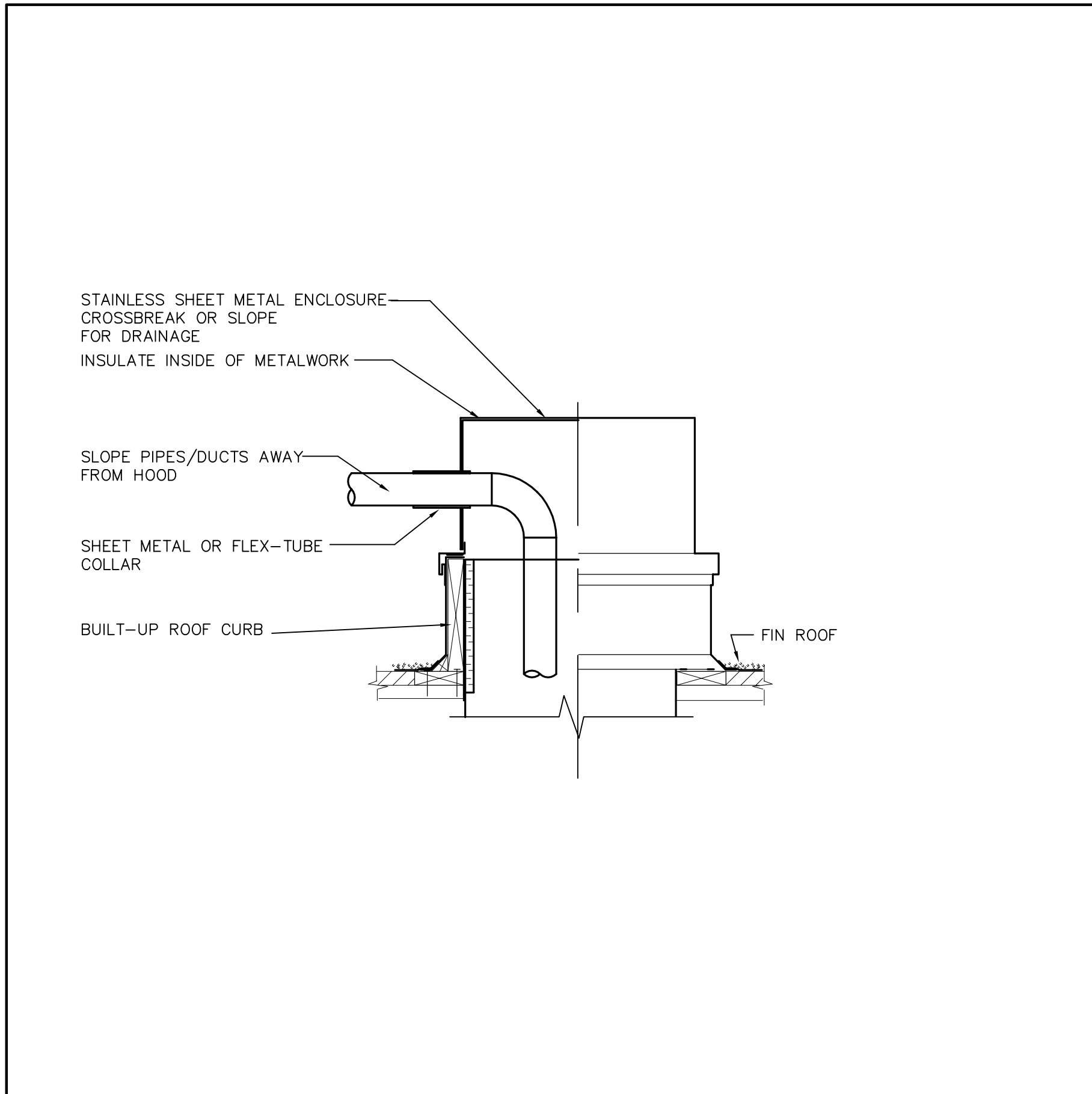
2 PIPE OR DUCT PENETRATION THROUGH SINGLE SOUND ISOLATED WALL  
M-610/ NTS



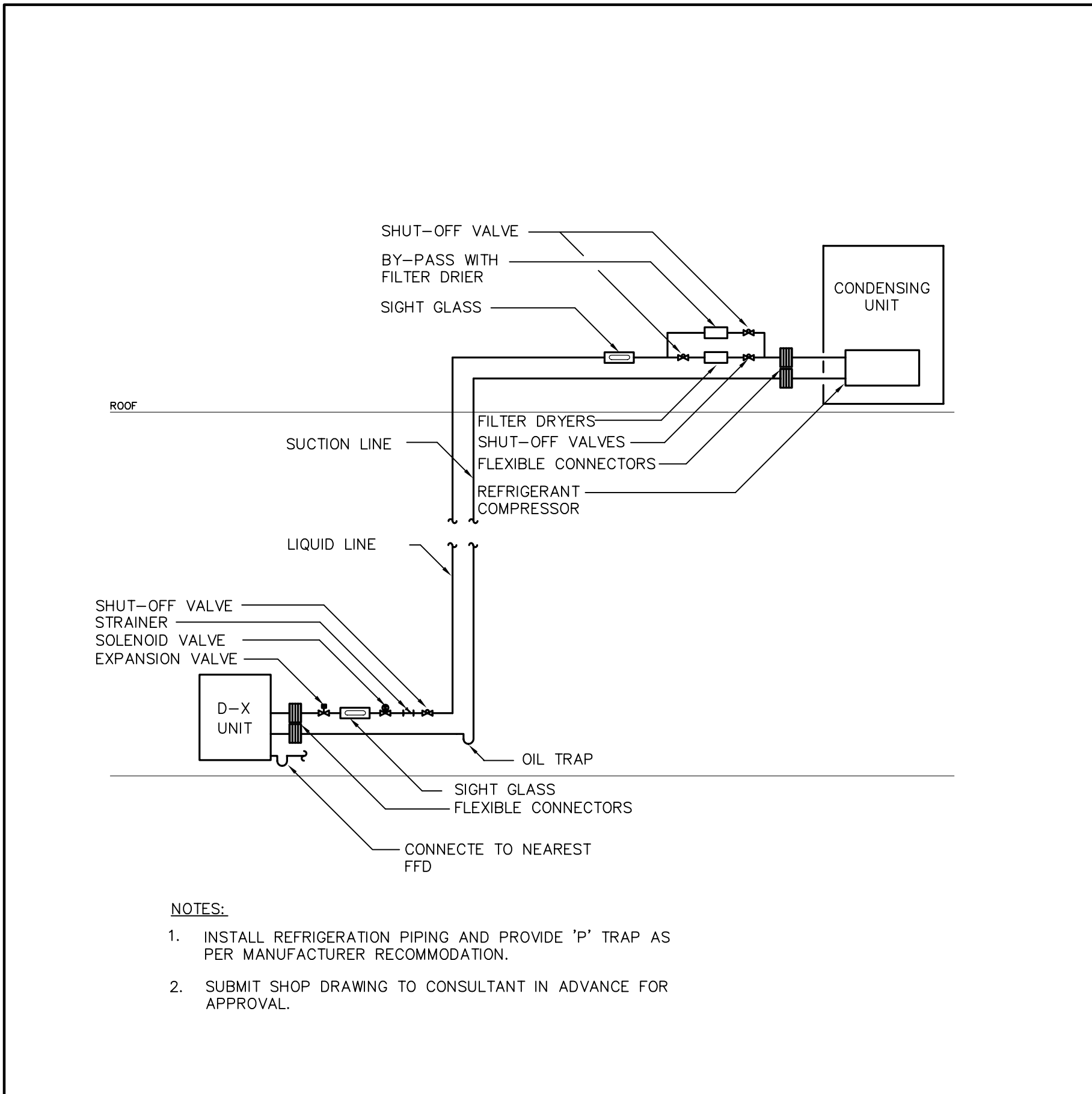
3 WALL PENETRATION FOR PIPE FOR NON ACOUSTIC WALLS  
M-610/ NTS



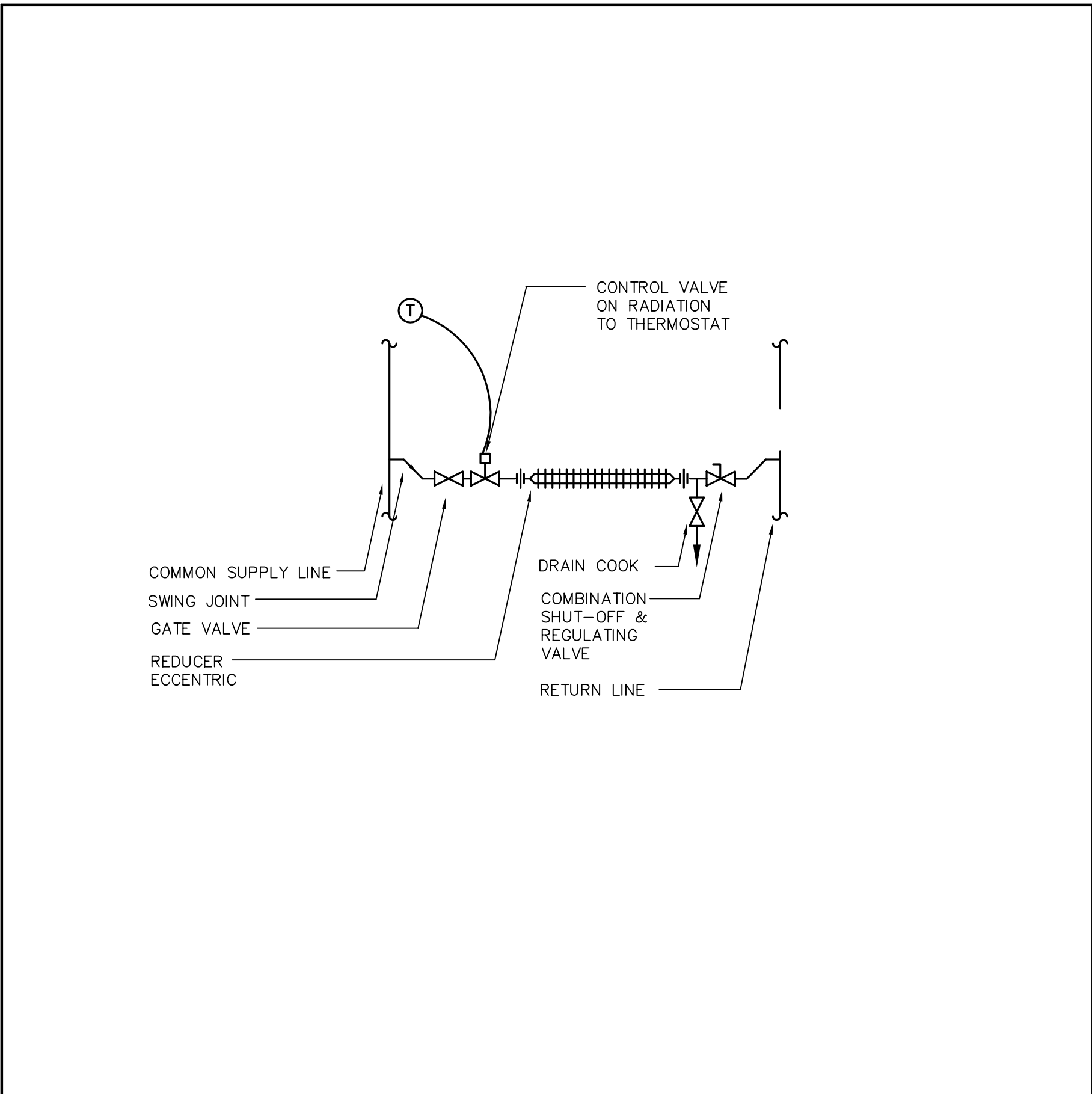
4 DETAIL OF SUPPORTS FOR PIPING MOUNTED ON ROOF  
M-610/ NTS



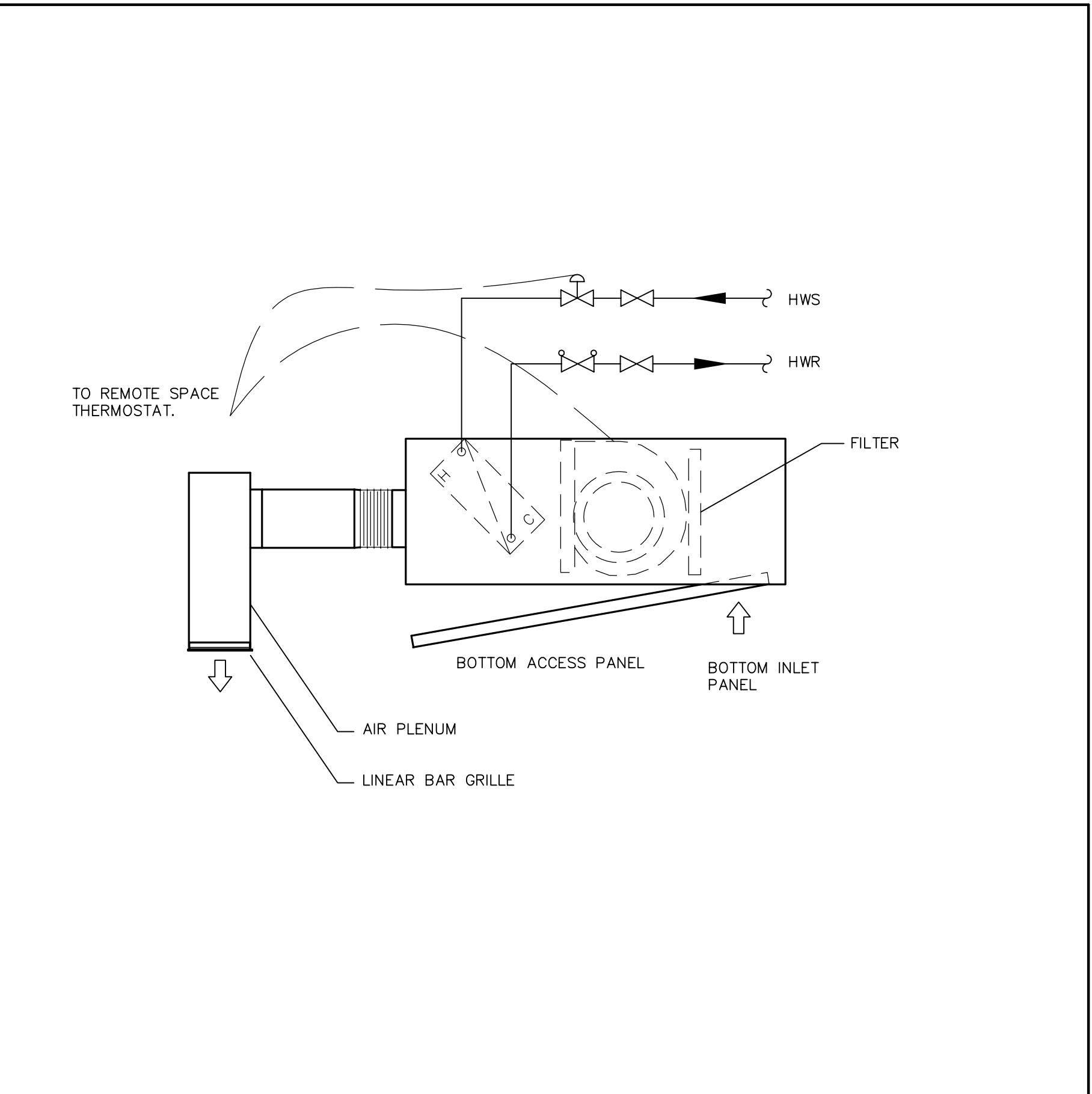
5 PIPE OR CONDUIT THROUGH ROOF DECK  
M-610/ NTS



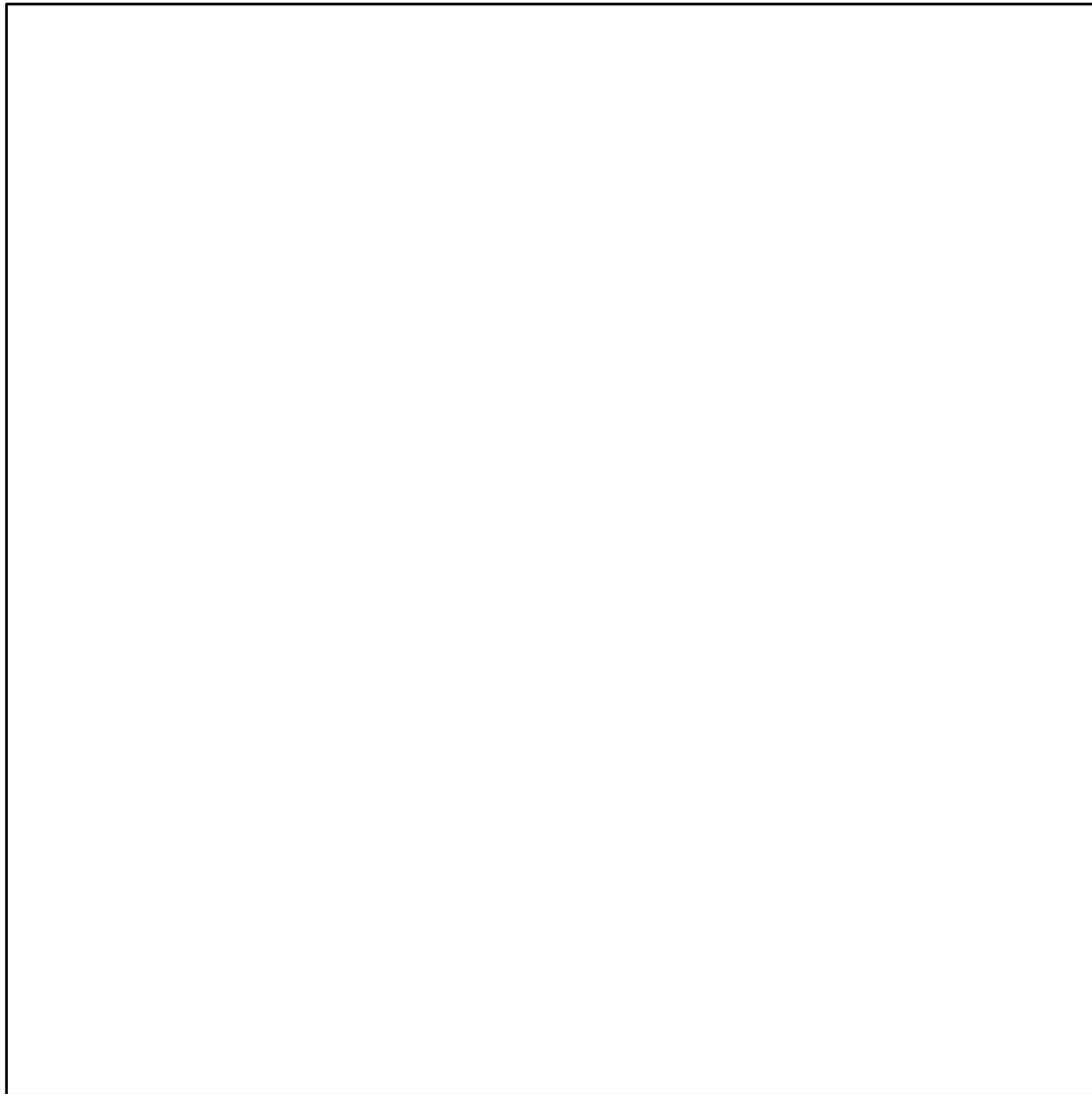
6 REFRIGERATION PIPING DETAIL BETWEEN CONDENSING UNIT AND D-X COIL  
M-610/ NTS



7 DETAIL OF WALL FIN CONNECTIONS  
M-610/ NTS



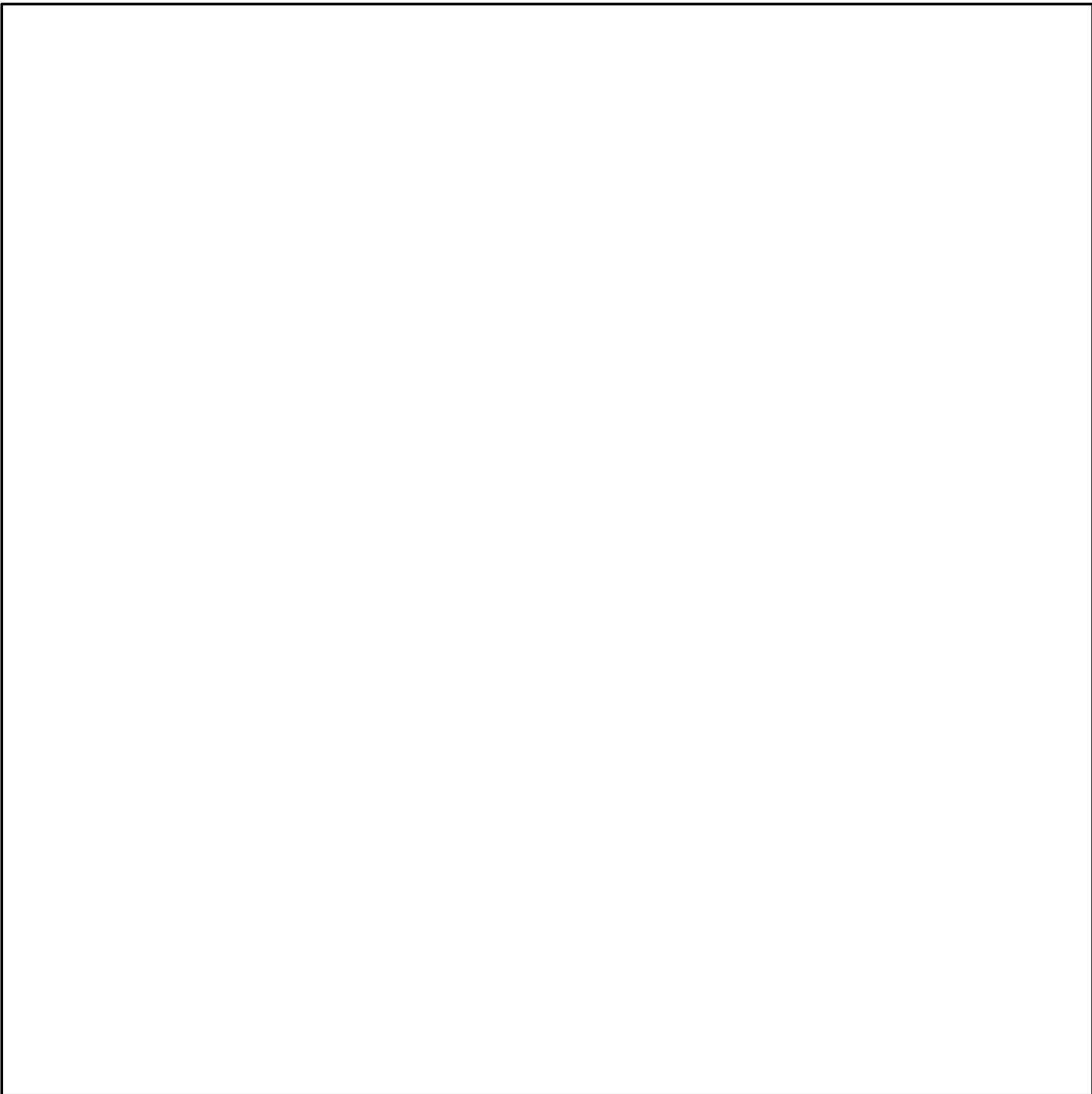
8 CEILING TYPE FORCE FLOW DETAIL  
M-610/ NTS



9 RESERVED  
M-610/ NTS



10 RESERVED  
M-610/ NTS



11 RESERVED  
M-610/ NTS



12 RESERVED  
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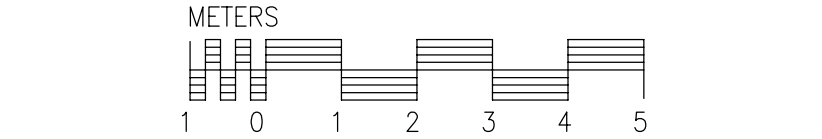
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Projet *CRA OFFICE FIT UP* Project

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ST. CATHARINES, ONT.

Dessin *MECHANICAL DETAILS* Drawing



Conçu par *Designed by*  
CROSSEY ENGINEERING LTD. 2013--11-29  
Date

Dessiné par *Drawn by*  
2000-12-24  
Date

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Date

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Administrateur de projets APC *PCA Project Manager*

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M-610



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CANADA REVENUE AGENCY  
GOVERNMENT OF CANADA BUILDING

32-46 CHURCH STREET, ST.CATHARINES, ONTARIO  
PROJECT NUMBER: R.065355.001

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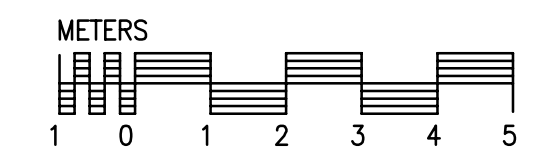
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ELECTRICAL LEGENDS  
DRAWING LIST & KEYPLANS



Conçu par Taylor Hazell Architects LTD.	Designed by 2013-11-11 Date
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	E-001

DRAWING LIST:

- E-001 ELECTRICAL LEGENDS, DRAWING LIST AND KEYPLANS
- E-100 DEMOLITION  
GROUND AND SECOND FLOORS - LIGHTING
- E-101 DEMOLITION  
GROUND AND SECOND FLOORS - POWER & SYSTEMS
- E-200 GROUND FLOOR LIGHTING PLAN
- E-201 SECOND FLOOR LIGHTING PLAN
- E-300 GROUND FLOOR POWER & SYSTEM PLAN
- E-301 SECOND FLOOR POWER & SYSTEM PLAN
- E-400 ELECTRICAL DETAILS
- E-500 ELECTRICAL SCHEDULES

SECURITY SYMBOLS

NOTE:  
SECURITY DEVICES TO BE PROVIDED BY SECURITY CONTRACTOR.  
ELECTRICAL CONTRACTOR TO PROVIDE BACKBOXES, CONDUITS  
AND PULLSTRINGS.

- CRD CARD READER
- MD MOTION DETECTOR
- GB GLASS BREAK
- CCV SECURITY CAMERA

LIGHTING SYMBOLS

- FJ1 SURFACE OR SUSPENDED MOUNTED FLUORESCENT FIXTURE  
LETTER DENOTES TYPES, FOR OTHER FIXTURE TYPES, REFER TO  
LUMINAIRE SCHEDULE.
- FA1 RECESSED 2X2FT FLUORESCENT FIXTURE  
LETTER DENOTES TYPES, FOR OTHER FIXTURE TYPES, REFER TO  
LUMINAIRE SCHEDULE.
- FA2 RECESSED 2X4FT FLUORESCENT FIXTURE  
LETTER DENOTES TYPES, FOR OTHER FIXTURE TYPES, REFER TO  
LUMINAIRE SCHEDULE.
- CA1 RECESSED DOWN LIGHT, LETTER DENOTES TYPE.  
FOR OTHER FIXTURE TYPES, REFER TO LUMINAIRE SCHEDULE.
- CW1 RECESSED WALL MOUNT LIGHT, LETTER DENOTES TYPE.  
FOR OTHER FIXTURE TYPES, REFER TO LUMINAIRE SCHEDULE.
- EXIT EXIT SIGN, LETTER DENOTES TYPE,  
FOR OTHER FIXTURE TYPES, REFER TO LUMINAIRE SCHEDULE.
- SW SINGLE POLE, SINGLE THROW TOGGLE SWITCH,  
'3' DENOTES 3-WAY, 'P' DENOTES PILOT LIGHT,  
'LV' DENOTES LOW VOLTAGE)
- /// DENOTES LIGHTING FIXTURE TO BE ON NIGHT LIGHT CIRCUITS.
- ELR EMERGENCY LIGHTING REMOTE HEAD(S) CEILING/WALL MOUNTED  
REFER TO SCHEDULE.
- ELB EMERGENCY LIGHTING BATTERY UNIT c/w RECEPTACLE,  
REFER TO LUMINAIRE SCHEDULE.

- 2C-1-1 TYPICAL CIRCUIT LINE VOLTAGE SWITCH DESIGNATIONS  
IS AS FOLLOWS:  
SWITCH  
CIRCUIT NUMBER  
PANEL DESIGNATION
- 2C-1-A-1 TYPICAL RELAY PANEL'S CIRCUIT DESIGNATIONS  
IS AS FOLLOWS:  
RELAY NUMBER  
RELAY PANEL  
PANEL CIRCUIT NUMBER  
LIGHTING PANEL

NOTE  
MOUNTING HEIGHTS ARE TO CENTER LINE OF LIGHT FIXTURES

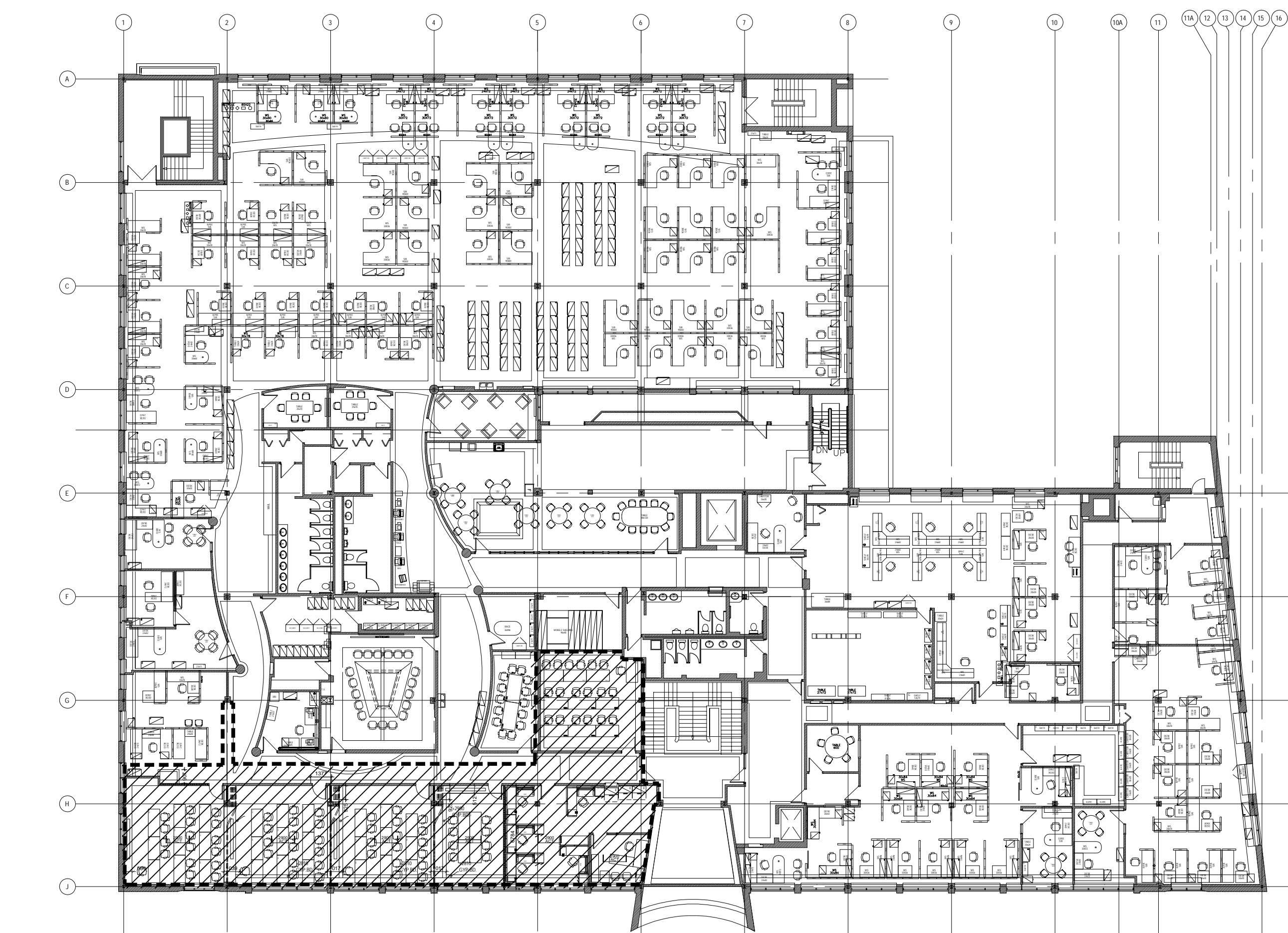
ABBREVIATIONS:

- 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 UNINTERRUPTABLE POWER SUPPLY
- PH PHASE
- PVC POLYVINYL CHLORIDE
- A AMPS
- V VOLTS

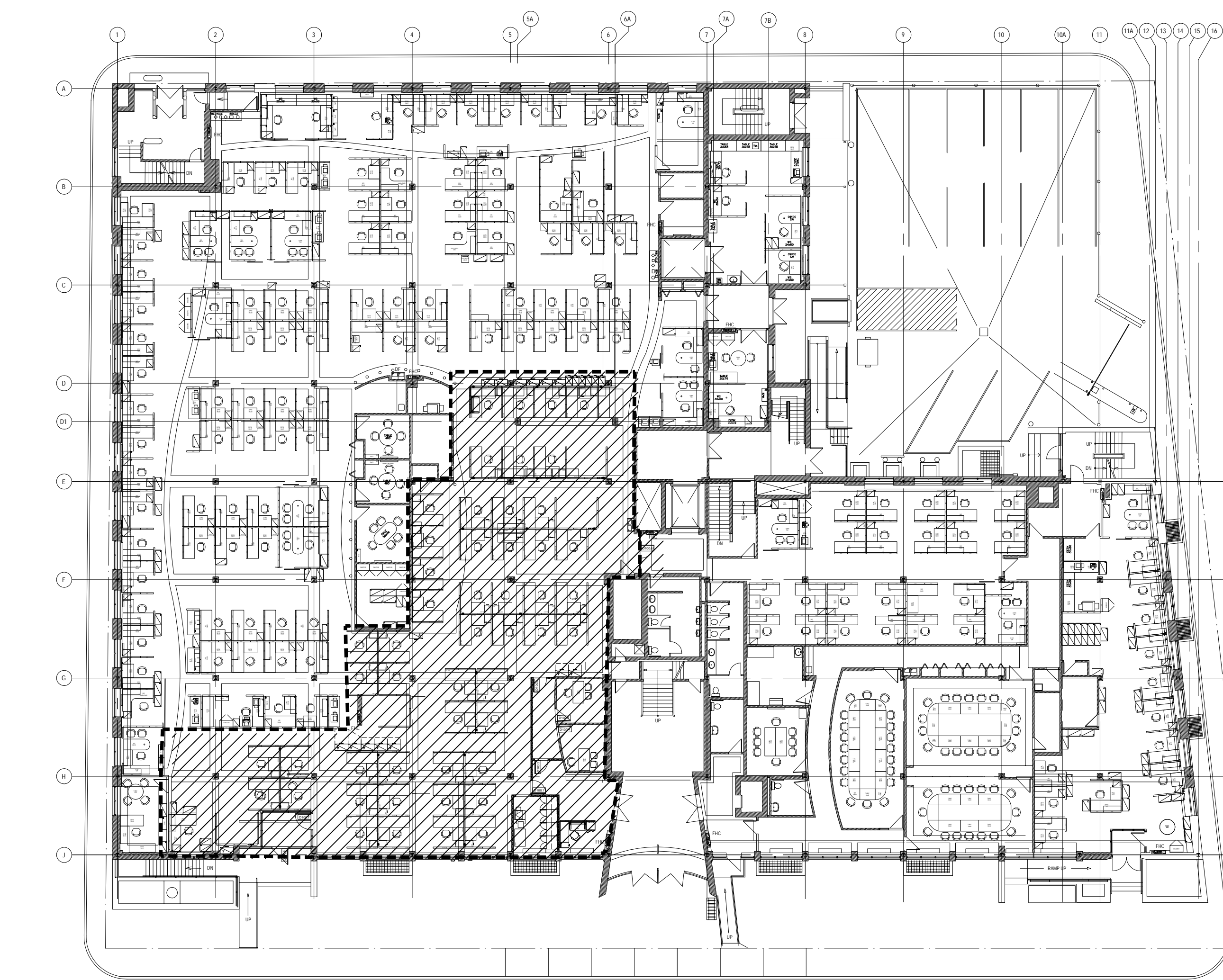
POWER SYMBOLS

- 15A-125V 2P-3W CONVENIENCE GROUNDED DUPLEX  
RECEPTACLE, WALL MOUNTED
- (2)-DUPLEX CONVENIENCE RECEPTACLES  
UNDER COMMON COVERPLATE
- 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 CONTRACTOR.
- 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), MH 1200  
PROVIDE END CAP ON CONDUIT IN PIPE CHASE.
- CONDUIT UP
- CONDUIT DOWN
- PANELBOARD, RECESSED OR SURFACE MOUNTED,
- 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.

- DENOTES NEW WORK TO BE PROVIDED  
UNDER THIS CONTRACT
- DENOTES EXISTING

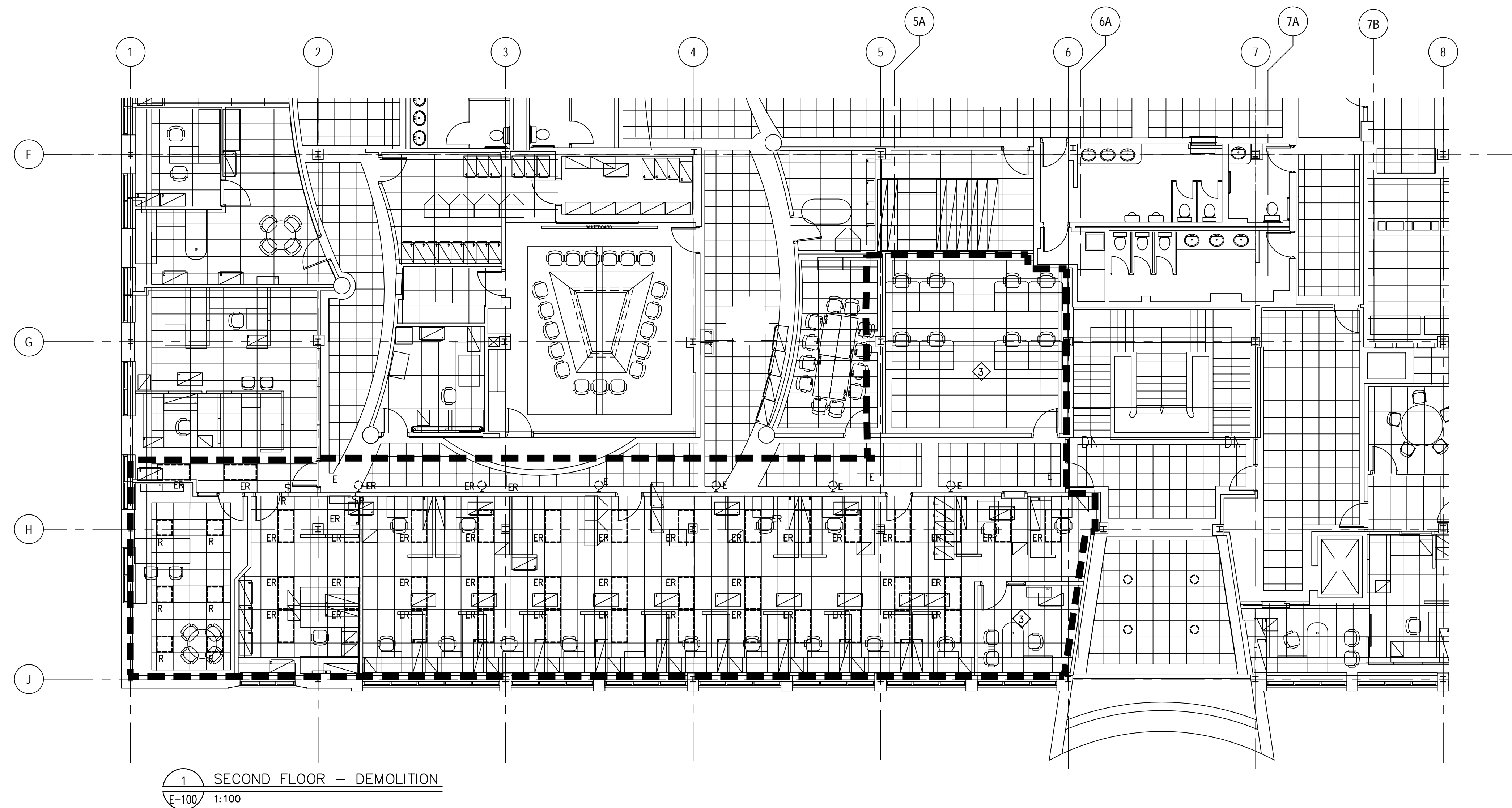


2 SECOND FLOOR - LOCATION PLAN  
1:250



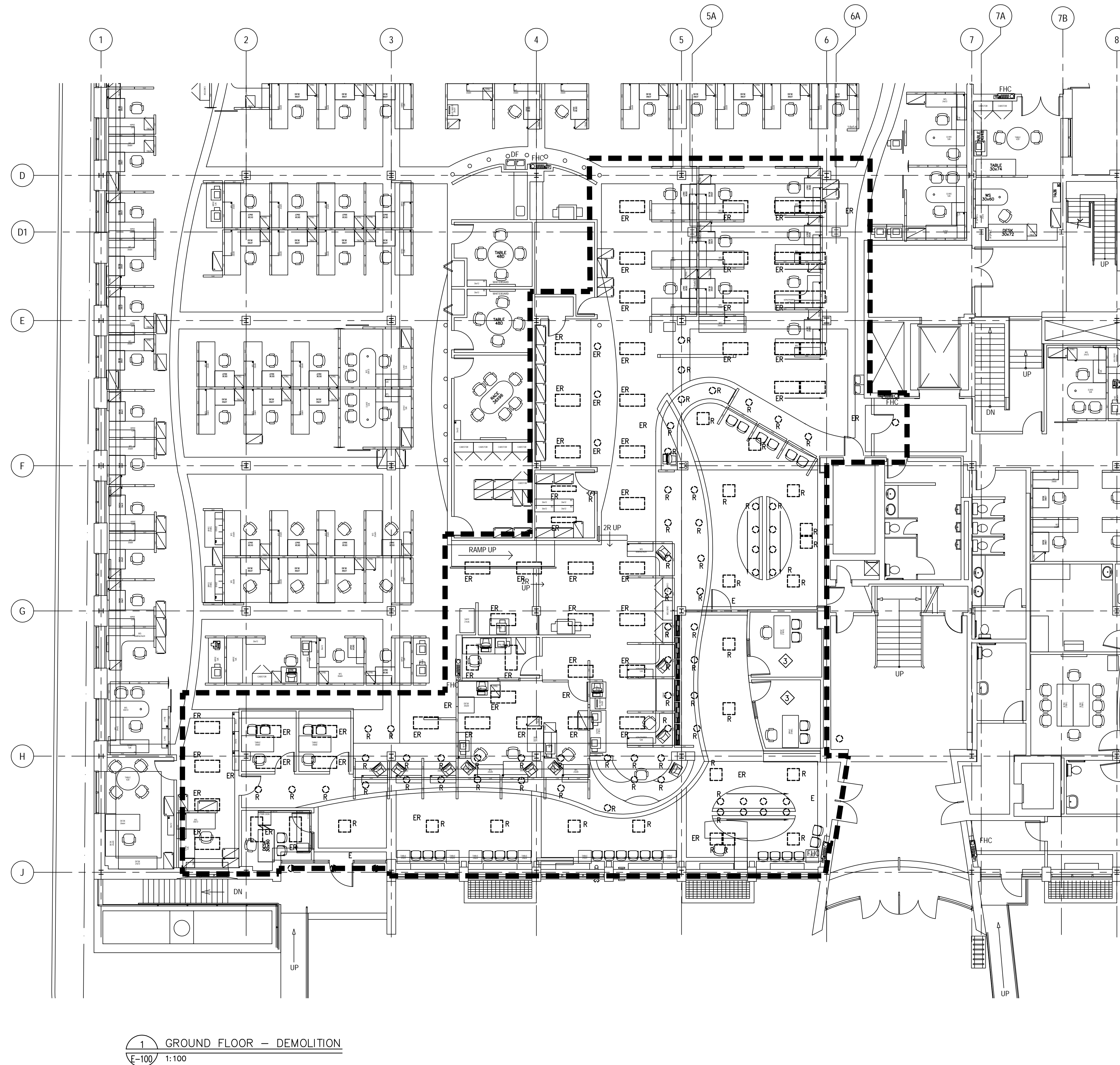
1 GROUND FLOOR - LOCATION PLAN  
1:250





#### NOTES

- 1) ALL ABANDONED DEDICATED CIRCUITS SHALL BE PULLED BACK TO THE SOURCE PANEL BOARD AND CONDUITS OR AC90 WIRING REMOVED FROM CEILING SPACE. WHERE CIRCUITS ARE FOUND TO BE SHARED REMOVE WIRING AND CONDUIT TO THE NEAREST JUNCTION BOX.
- 2) DURING CONSTRUCTION PROTECT ALL EXISTING EQUIPMENT AND DEVICES TO REMAIN FROM DUST/DEBRIS WITHIN THE PHASE OF RENOVATION.
- 3) ALL EXISTING LIGHTING AND CONTROLS IN THIS ROOM SHALL REMAIN AS INSTALLED.
- 4) UNLESS OTHERWISE NOTED ALL EXISTING LIGHTING CIRCUITS AND CONTROLS SHALL REMAIN INTACT AND SECURED FOR RE-USE WITH NEW LIGHTING LAYOUT AS REQUIRED.



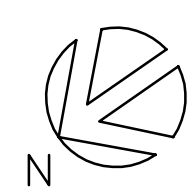
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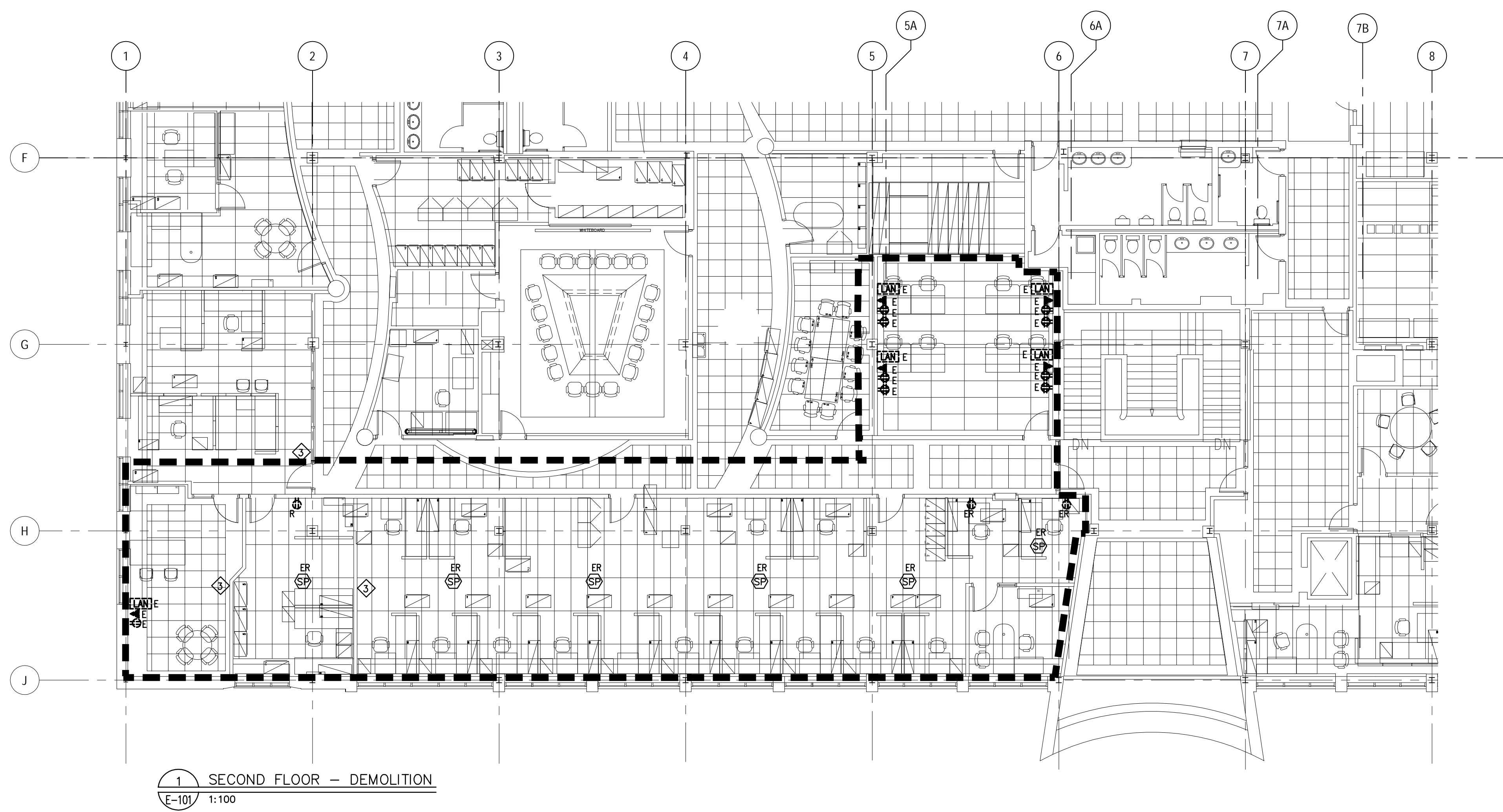
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Drawing

**DEMOLITION  
GROUND & SECOND FLOORS  
LIGHTING LAYOUTS**



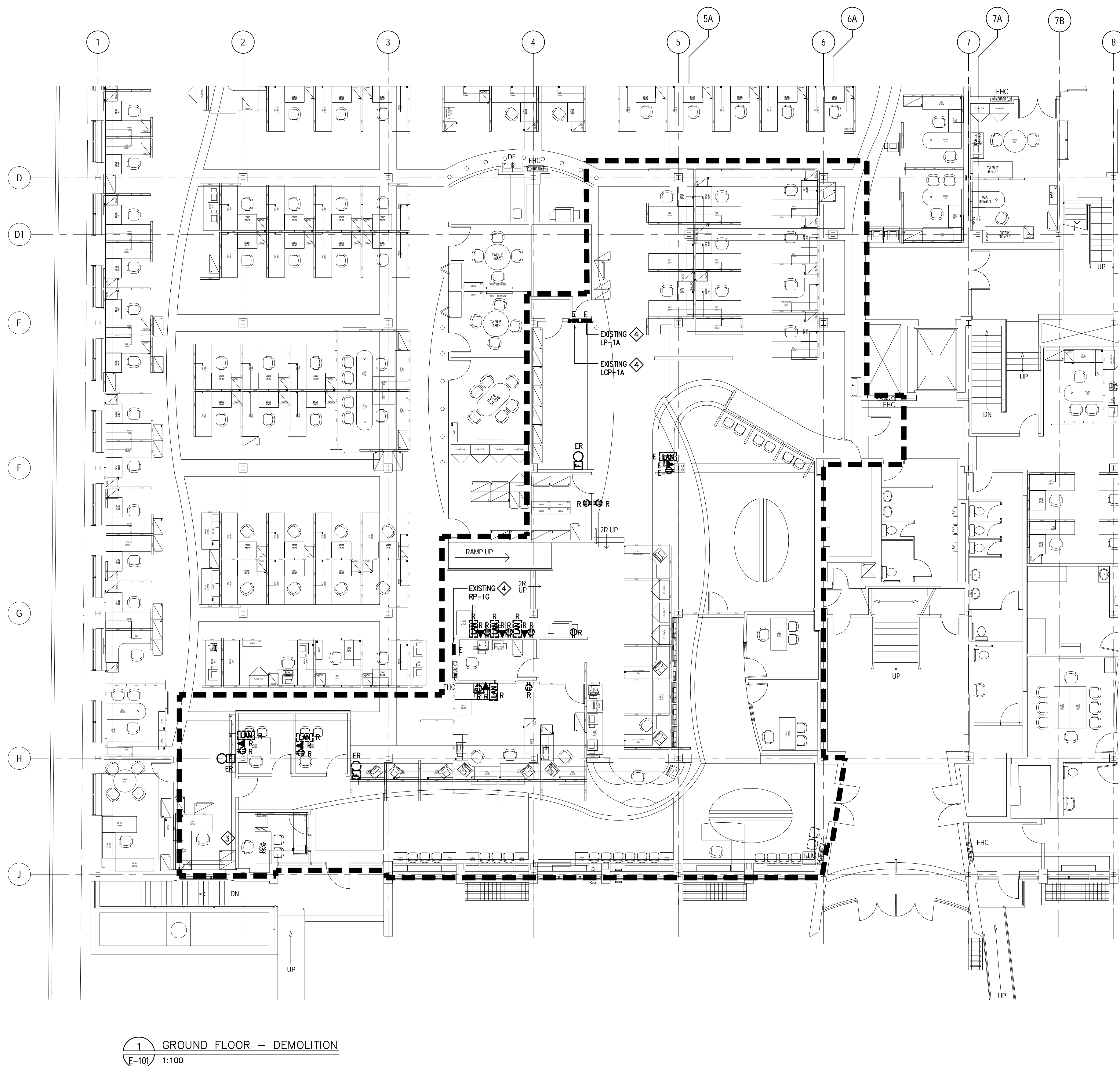
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Dessiné par LN	Drawn by 2013-11-11 Date
Approuvé par AO	Approved by 2013-11-11 Date
Soumission	Tender
Administrateur de projets APC	PCA Project Manager
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APC	PCA
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1384-E-100.DWG	File no
No de plan ou dessin	File name
	Sheet no
	E-100





#### NOTES

- 1) THIS DRAWING DOES NOT SHOW ALL EXISTING DEVICES. EXISTING DEVICES SHALL REMAIN UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT QUANTITIES OF EXISTING DEVICES TO BE REMOVED PRIOR TO THE TENDER CLOSING.
- 2) ALL CIRCUITS TO EXISTING WORKSTATIONS SHALL BE DISCONNECTED, PROTECTED AND COILED-UP INTO CEILING SPACE FOR RE-USE WITH NEW FURNITURE SYSTEM LAYOUT. WHERE CIRCUITS ARE FOUND TO BE SHARED OUTSIDE AREAS UNDER RENOVATION REMOVE WIRING AND CONDUITS FROM RENOVATED AREA BACK TO THE NEAREST JUNCTION BOX.
- 3) ALL EXISTING DEVICES ON WALLS TO BE DEMOLISHED SHALL BE DISCONNECTED AND REMOVED. PULL BACK ALL WIRING TO ITS SOURCE AND MAKE SAFE.
- 4) EXISTING RECEPTACLE, LIGHTING AND LIGHTING CONTROL PANELS TO REMAIN. ALLOW FOR MODIFICATIONS AND/OR ARRANGEMENTS OF CIRCUITS/CONTROLS AS REQUIRED TO SUIT NEW LAYOUTS.
- 5) UNLESS OTHERWISE NOTED MAKE ALLOWANCE FOR RELOCATION OF EXISTING FIRE ALARM DEVICES TO SUIT NEW LAYOUTS.



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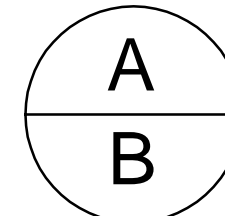
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sheet no. — where detailed

Projet *CRA OFFICE FIT UP* Project

CANADA REVENUE AGENCY  
32-36 CHURCH STREET

ST. CATHARINES, ONT.

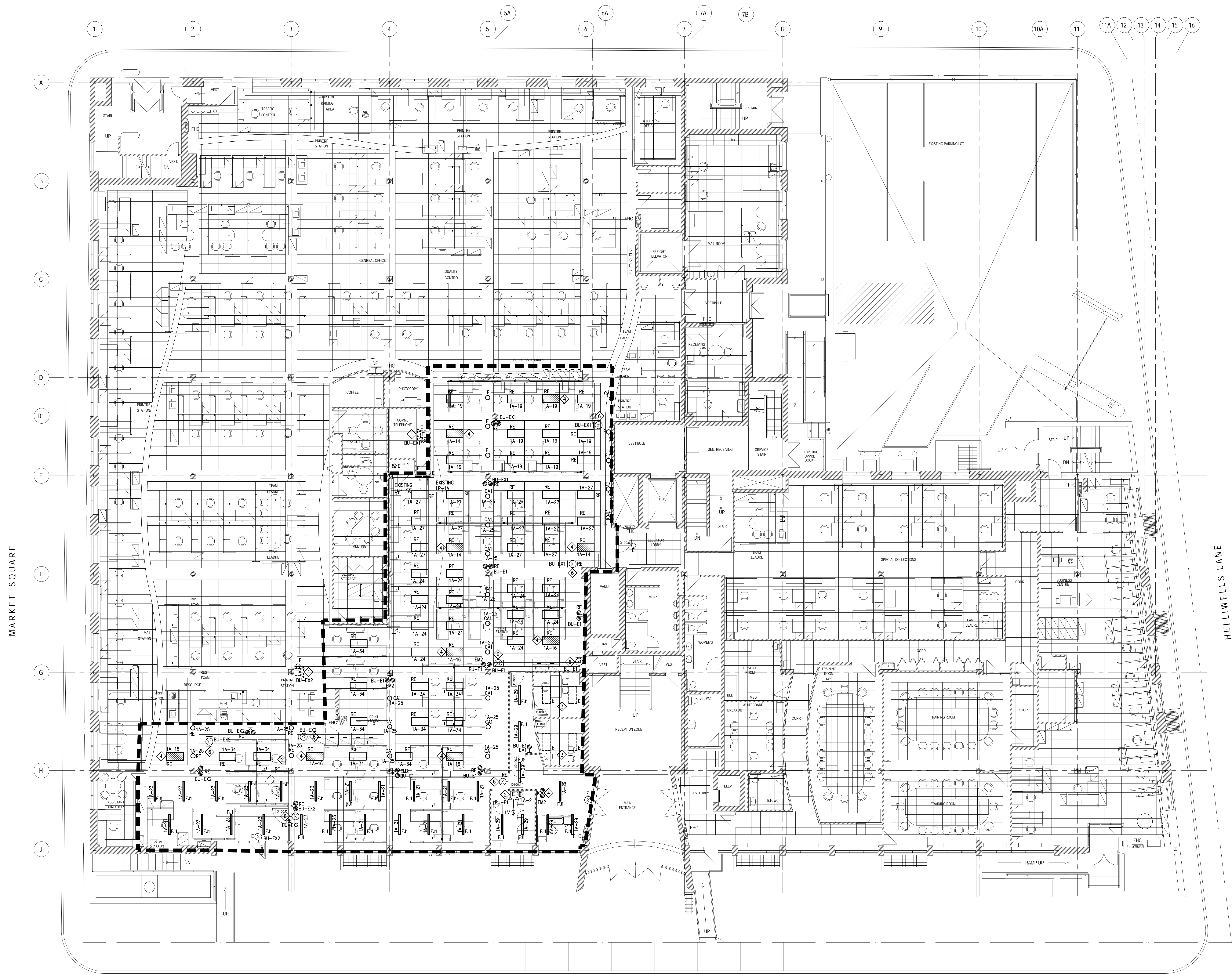
Dessin *DEMOLITION* Drawing

**DEMOLITION  
GROUND & SECOND FLOORS  
POWER AND SYSTEMS**



Conçu par Taylor Hazell Architects LTD.	Designed by 2013-11-11 Date
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	No de feuille
	Sheet no





1 GROUND FLOOR PLAN - NEW LIGHTING  
E-200 1:100

CHURCH STREET

## NOTES

- EXISTING EMERGENCY BATTERY LIGHTING UNITS TO REMAIN. MODIFY EXISTING WIRING TO RELOCATED REMOTE HEADS AS REQUIRED AND CONNECT TO INDICATED BATTERY UNITS.
- NEW EMERGENCY BATTERY LIGHTING UNIT 360WATTS OUTPUT TO MATCH EXISTING BASE BUILDING STANDARDS. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL DETAILS.
- EXISTING LIGHTING LAYOUT/CONTROLS IN THESE ROOM SHALL REMAIN AS INSTALLED UNLESS OTHERWISE NOTED.
- LUMINAIRES INDICATED SHALL BE CONNECTED AS UN-SWITCHED/CONTROLLED FOR NIGHT LIGHTING PURPOSES.
- UNLESS OTHERWISE NOTED LIGHTING IN RENOVATED AREA SHALL BE CONTROLLED THROUGH EXISTING LIGHTING CONTROL SYSTEM DESIGNATED ZONES. ALLOW FOR THE PROVISION OF ADDITIONAL RELAYS/CONTROL EQUIPMENT AS REQUIRED TO ACCOMMODATE NEW LAYOUTS. REFER TO EXISTING LIGHTING CONTROL RELAY SCHEDULE ON DRAWING E-400 FOR ADDITIONAL INFORMATION.
- PROVIDE NEW EXIT LUMINAIRES AS INDICATED TO MATCH EXISTING BUILDING STANDARDS AND CONNECT TO THE NEAREST AVAILABLE EXIT SIGN CIRCUIT.

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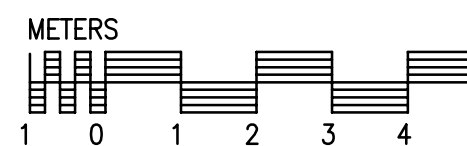
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CANADA REVENUE AGENCY  
32-36 CHURCH STREET

ST. CATHARINES, ONT.

Dessin **GROUND FLOOR NEW LIGHTING PLAN** Drawing

GROUND FLOOR  
NEW LIGHTING PLAN




Conçu par Taylor Hazell Architects LTD.	Designed by 2013-11-11 Date
Dessiné par LN	Drawn by 2013-11-11 Date
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Nom du fichier 1384-E-200.DWG	File name No de classement
No de plan ou dessin	File no No feuille Sheet no

E-200

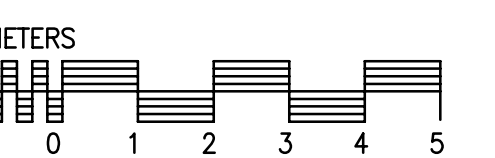


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## SECOND FLOOR NEW LIGHTING PLAN



No de plan ou dessin	File name	No feuille	Sheet no
		E-201	

1. MODIFY EXISTING WIRING AS REQUIRED AND RE-CONNECT THE EXISTING WALL SCONCE LIGHTING/CONTROL CIRCUIT TO SUIT NEW LOCATION.
2. MODIFY EXISTING WIRING AS REQUIRED AND RE-CONNECT TO EXIT SIGN LIGHTING CIRCUITS.
3. PROVIDE A NEW 360 WATT OUTPUT EMERGENCY BATTERY LIGHTING UNIT C/W DUPLEX RECEPTACLE TO MATCH EXISTING BASE BUILDING STANDARD.
4. RE-USE EXISTING LIGHTING CIRCUIT/CONTROL IN THESE ROOMS. MODIFY EXISTING WIRING AND RELAY CONTROLS AS REQUIRED TO ACCOMMODATE LAYOUTS AND LOCAL CONTROLS AS INDICATED.
5. PROVIDE LOW VOLTAGE SWITCHES TO CONTROL LOCAL LIGHTING AS INDICATED TO MATCH BASE BUILDING STANDARDS. PROVIDE RELAYS IN EXISTING LIGHTING CONTROL PANEL AS REQUIRED TO ACCOMMODATE NEW LAYOUTS.
6. EXISTING LIGHTING AND CONTROL PANEL LOCATION FOR INFORMATION PURPOSES.



NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS.
- PROVIDE NEW FIRE ALARM BELLS AS INDICATED AND CONNECT TO EXISTING FIRE ALARM CIRCUIT/ZONE SERVING THE AREA.
- CEILING MOUNTED POWER CONNECTION FOR FORCE FLOW HEATER. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
- APPROXIMATE ROUTE FOR NEW PANEL BOARD RP-2GA. RUN FEEDER THROUGH GROUND FLOOR CEILING SPACE. CO-ORDINATE EXACT ROUTE ON SITE PRIOR TO ROUGHING-IN.
- EXISTING PANEL BOARDS TO REMAIN AS INSTALLED.
- RELOCATE EXISTING P/A SPEAKERS TO SUIT NEW CEILING LAYOUT. MODIFY WIRING AS REQUIRED AND CONNECT TO ZONES SERVING THE AREA.
- PROVIDE NEW HEAT DETECTOR TO MATCH EXISTING AND CONNECT TO EXISTING FIRE ALARM ZONE IN THIS AREA.
- DEVICES SHOW ON MODULAR FURNITURE SYSTEMS ARE DIAGRAMMATIC AND FOR INFORMATION PURPOSES ONLY. DEVICES ARE SUPPLIED AND INSTALLED BY MODULAR FURNITURE SYSTEMS MANUFACTURER/SUPPLIER.
- POWER AND DATA/COMMUNICATION SERVICE POINT TO MODULAR FURNITURE SYSTEMS UP TO CEILING SPACE. DIV-16 CONTRACTOR AND FURNITURE SYSTEMS SUPPLIER TO CO-ORDINATE ENTRY POINT INTO FURNITURE SYSTEMS ON SITE PRIOR TO ROUGHING-IN ZONE CONDUITS ABOVE CEILING.
- ZONE CONDUITS AND POWER JUNCTION BOXES FOR MODULAR FURNITURE SYSTEMS SERVICE. SIZE CONDUITS AND BOXES AS REQUIRED TO SUIT NUMBER OF CIRCUITS AS REQUIRED. CO-ORDINATE LOCATION OF JUNCTION BOXES ON SITE PRIOR TO ROUGHING-IN.

1 GROUND FLOOR PLAN -- NEW POWER & SYSTEM  
E-300 1:50

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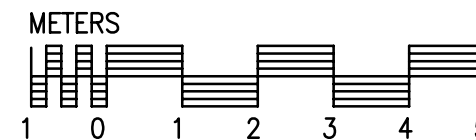
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ST. CATHARINES, ONT.

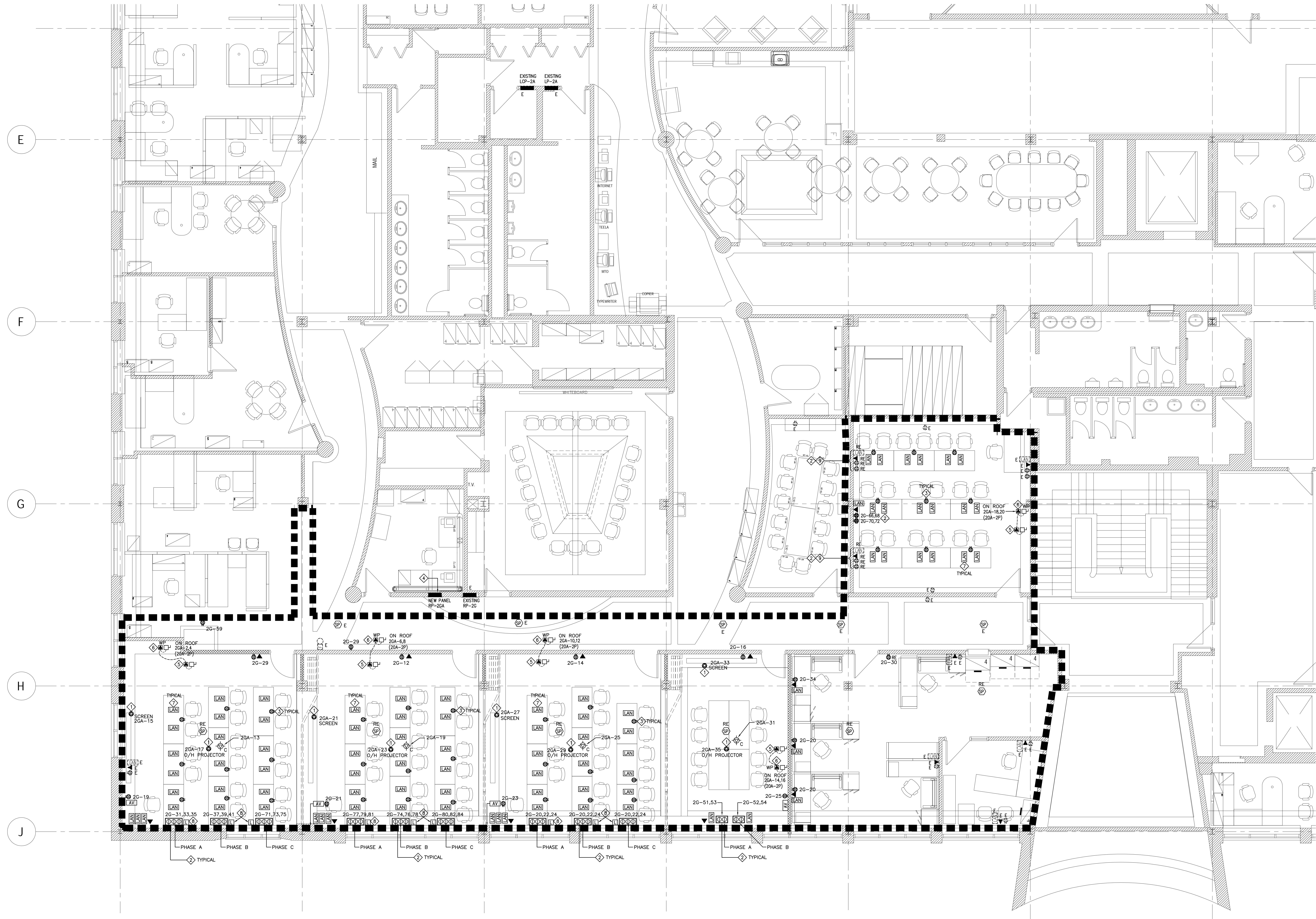
Dessin *GROUND FLOOR POWER & SYSTEMS PLAN* Drawing

GROUND FLOOR  
POWER & SYSTEMS PLAN



Conçu par Taylor Hazell Architects LTD.	Designed by 2013-11-11 Date
Dessiné par LN	Drawn by 2013-11-11 Date
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	Sheet no
	E-300





1 SECOND FLOOR PLAN — NEW POWER & SYSTEM  
E-301/ 1:50

#### NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF OVERHEAD SCREENS.
- SURFACE MOUNTED GANGED RECEPTACLE ASSEMBLY FOR TRAINING TABLE PLUG-IN DUPLEX RECEPTACLES CO-ORDINATE EXACT MOUNTING ARRANGEMENTS ON SITE PRIOR TO ROUGHING-IN.
- DUPLEX RECEPTACLES COMPLETE WITH PLUG-IN CORD BY OTHERS. RECEPTACLES ARE COMPLETE WITH MALE PLUG TO MATCH TWIST LOCK RECEPTACLES PROVIDED BY DIV.16 CONTRACTOR.
- PROVIDE A NEW RECESSED MOUNTED 120/208V, 225A MAINS, 3PH, 4W, 42 COTS RECEPTACLE PANEL FED FROM DISTRIBUTION PANEL IN BASEMENT ELECTRICAL ROOM. EXACT LOCATION OF RP-2GA TO BE DETERMINED ON SITE PRIOR TO ROUGHING-IN. REFER TO DRAWING E-300 FOR CONDUIT ROUTING.
- POWER CONNECTION FOR INDOOR AC UNIT. REFER TO MECHANICAL DRAWING FOR EXACT LOCATION OF UNITS.
- POWER CONNECTION FOR ROOF CONDENSING UNIT. FEED TO UNIT ON ROOF FIRST AND INTERCONNECT TO INDOOR UNIT. CO-ORDINATE EXACT LOCATION OF UNITS ON SITE WITH DIV.15 CONTRACTOR PRIOR TO ROUGHING-IN.
- LAN WIRING AND TERMINATIONS ARE BY OTHERS. LOCATIONS ARE SHOWN FOR INFORMATION PURPOSES ONLY.
- SURFACE FLOOR MOUNTED PULL BOX c/w GRUMITTED COVER FOR LAN CABLING TO TRAINING TABLES. SPACE AS REQUIRED. CO-ORDINATE EXACT ROUTING ALONG THE FLOOR AND UP THROUGH WALL TO CEILING ON SITE PRIOR TO ROUGHING-IN.
- CO-ORDINATE EXACT LOCATION ON SITE AND RE-ARRANGE EXISTING OUTLETS AS REQUIRED PRIOR TO RELOCATIONS.



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Dessin *Drawing*

#### SECOND FLOOR POWER & SYSTEMS PLAN



Conçu par *Designed by*  
Taylor Hazell Architects LTD. 2013-11-11  
Date

Dessiné par *Drawn by*  
LN 2013-11-11  
Date

Approuvé par *Approved by*  
AO 2013-11-11  
Date

Soumission *Tender*

Administrateur de projets APC *PCA Project Manager*

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R.065355.001  
APC PCA  
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1384-E-301.DWG  
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E-400



## St. Catherine

**Job No. 12356-101**

**Voltage: 120 / 208**

**Rv/Wire: 3/4**

**Feed from: Existing Power Panel**

## Panel Schedule

**RP-16 (Existing)**

**Panel:**  
Date: 18/11/2013

**Panel Mins:** 225 amps

**Mounting:** Recessed

**Tub Type:** Double

**Location:**

**Main Breaker NO**

BRKR	*	DESCRIPTION	C [W]	d.f. [D]	[W]	cct	bus	cct	D [W]	d.f. [C]	[W]	DESCRIPTION	*	BRKR
15A-1P		EX RECEPIS	600	0.5	300	1	a	2	300	0.5	600	EX RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	3	b	4	300	0.5	600	EX RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	5	c	6	300	0.5	600	EX RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	7	a	8	300	0.5	600	EX RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	9	b	10	300	0.5	600	EX RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	11	c	12	450	0.6	600	POWER POLE (TL4)		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	13	a	14	450	0.6	600	POWER POLE (TL4)		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	15	b	16	450	0.6	600	POWER POLE (TL4)		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	17	c	18	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	19	a	20	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	21	b	22	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	23	c	24	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	25	a	26	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	27	b	28	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	29	c	30	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	31	a	32	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	33	b	34	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	35	c	36	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	37	a	38	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	39	b	40	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	41	c	42	450	0.6	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	43	a	44	300	0.5	600	PHOTOCOPIER		15A-1P
15A-1P		POWER POLE	800	0.6	450	45	b	46	450	0.8	600	MAL ROOM REC		15A-1P
15A-1P		POWER POLE	800	0.6	450	47	c	48	450	0.8	600	EX RECEPIS		15A-1P
15A-1P		POWER POLE	800	0.6	450	49	a	50	240	0.3	600	EX DOOR OPERATOR		15A-1P
15A-1P		POWER POLE	800	0.6	450	51	b	52	120	0.3	400	EX POWER CONN		15A-1P
15A-1P		POWER POLE	800	0.6	450	53	c	54	240	0.3	800	DOOR OPERATOR		15A-1P
15A-1P		POWER POLE	800	0.6	450	55	a	56	240	0.8	300	FORCE FLOW HEATER		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	57	b	58	300	0.5	600	EX RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	1	600	59	c	60	450	0.8	600	POWER POLE		15A-1P
15A-1P		EX RECEPIS	600	1	600	61	a	62						

St. Catherine		Panel Schedule												
Job No:	12356-101	Panel:		RP-2G (Existing)										
Voltage: 120 / 208		Date:		18/11/2013										
Ph/Wr: 3/4		Panel Main: 225 amps												
		Mounting: Recessed												
		Tub Type: Double												
Fed from: Existing Power Panel		Location:												
		Main Breaker NO												
BRKR	*	DESCRIPTION	C [W]	d [F]	D [W]	cct	bus	cct	D [W]	d [F]	C [W]	DESCRIPTION	*	BRKR
15A-1P		EX RECEPIS	600	0.5	300	1	a	2	300	0.5	600	EX RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	3	b	4	300	0.5	600	EX QUAD RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	5	c	6	300	0.5	600	EX QUAD RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	7	a	8	300	0.5	600	EX QUAD RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	9	b	10	300	0.5	600	EX QUAD RECEPIS		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	11	c	12	300	0.5	600	TRAINING B RECTIFIACLES		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	13	a	14	300	0.5	600	TRAINING C RECTIFIACLES		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	15	b	16	300	0.5	600	TRAINING D RECTIFIACLES		15A-1P
15A-1P		EX RECEPIS	600	0.5	300	17	c	18	0.5	0.5				15A-1P
15A-1P		TRAINING A AV RECEPT	500	0.5	250	19	a	20	0	0.3				15A-1P
15A-1P		TRAINING B AV RECEPT	500	0.5	250	21	b	22	0	0.3				15A-1P
15A-1P		TRAINING C AV RECEPT	500	0.5	250	23	c	24	0	0.3				15A-1P
15A-1P		TRAINING D AV RECEPT	500	0.5	250	25	a	26	0.5	0.5				15A-1P
15A-1P		TRAINING A EX QUAD RECEPIS	800	0.5	400	27	b	28	400	0.5	800	EX RECEPIS		15A-1P
15A-1P		TRAINING A RECTIFIACLES	800	0.5	400	29	c	30	400	0.5	800	EX RECEPIS		15A-1P
15A-1P		TRAINING A GANG BACK BOX	800	0.5	400	31	a	32	400	0.5	800	EX RECEPIS		15A-1P
15A-1P		TRAINING A GANG BACK BOX	800	0.5	400	33	b	34	400	0.5	800	EX RECEPIS		15A-1P
15A-1P		TRAINING A GANG BACK BOX	800	0.5	400	35	c	36	400	0.5	800	EX QUAD RECEPIS		15A-1P
15A-1P		TRAINING A GANG BACK BOX	800	0.5	400	37	a	38	400	0.5	800	EX QUAD RECEPIS		15A-1P
15A-1P		TRAINING D GANG BACK BOX	800	0.5	400	39	b	40	400	0.5	800	EX RECEPIS		15A-1P
15A-1P		TRAINING A GANG BACK BOX	800	0.5	400	41	c	42	400	0.5	800	EX RECEPIS		15A-1P
15A-1P		SPARE	0	0	43	a	44	100	0.5	200	EX POWER CONN			15A-1P
15A-1P		EX MECH POWER CONN	200	0.8	150	45	b	46	160	0.8	200	EX MECH POWER CONN		15A-1P
15A-1P		EX MECH POWER CONN	200	0.8	150	47	c	48	160	0.8	200	EX MECH POWER CONN		15A-1P
15A-1P		EX MECH POWER CONN	200											

[illegible]

St. Catharine

Job No. **12356.101**

Voltage: **120** / **208**

Ph/Wire: **3/4**

Fed from: **Existing Power Panel**

**Panel Schedule**

Panel: **RP-2GA (New 42ccts)**

Date: **26/11/2013**

Panel Mains: **225 amps**

Mourning: **Recessed**

Tab Type: **Single**

Location:

Main Breaker **NO**

BRKR	DESCRIPTION	C [W]	I [A]	D [W]	cc1	bus	cc2	D [W]	I [A]	C [W]	DESCRIPTION	BRKR
15A-1P	TRAINING D-2 GANG RECEPITS	600	0.4	240	1	a	2	320	0.8	400	AC UNIT	20A-2P
15A-1P	TRAINING D-2 GANG RECEPITS	600	0.4	240	3	b	4	320	0.8	400		
15A-1P	TRAINING D-2 GANG RECEPITS	600	0.4	240	5	c	6	320	0.8	400	AC UNIT	20A-2P
15A-1P	TRAINING D-2 GANG RECEPITS	600	0.4	240	7	a	8	320	0.8	400		
15A-1P	SPARE	600	0	9	b	10	320	0.8	400	AC UNIT	20A-2P	
15A-1P	SPARE	600	0	11	a	12	320	0.8	400			
15A-1P	TRAINING A, AV CBL CNL	600	0.4	240	13	a	14	320	0.8	400		
15A-1P	TRAINING A, SCREEN	600	0.4	240	15	b	16	320	0.8	400	AC UNIT	20A-2P
15A-1P	TRAINING A, PROJECTOR	600	0.4	240	17	c	18	320	0.8	400	AC UNIT	20A-2P
15A-1P	TRAINING B, AV CBL CNL	600	0.4	240	19	a	20	320	0.8	400		
15A-1P	TRAINING B, SCREEN	600	0.4	240	21	b	22	0	0.4		SPARE	15A-1P
15A-1P	TRAINING B, PROJECTOR	600	0.4	240	23	c	24	0	0.4		SPARE	15A-1P
15A-1P	TRAINING C, AV CBL CNL	600	0.4	240	25	a	26	0	0.4		SPARE	15A-1P
15A-1P	TRAINING C, SCREEN	600	0.4	240	27	b	28	0	0.7			15A-1P
15A-1P	TRAINING C, PROJECTOR	600	0.4	240	29	c	30	0	1			
15A-1P	TRAINING D, AV CBL CNL	600	0.4	240	31	a	32	0	1			
15A-1P	TRAINING D, SCREEN	600	0.4	240	33	b	34	0	1			
15A-1P	TRAINING D, PROJECTOR	600	0.4	240	35	c	36	0	1			
			1	0	7	a	38	0	1			
			1	0	39	b	40	0	1			
			1	0	41	c	42	0	1			

CONNECTED 'A'	5200 W
CONNECTED 'B'	4200 W
CONNECTED 'C'	4200 W

2720 W	DEMAND 'A'
2160 W	DEMAND 'B'
2160 W	DEMAND 'C'

Notes:

Remarks

**TOTAL DEMAND AMPS**

**19.5 A**

**TOTAL CONNECTED LOAD**

**13.6 kW**

**TOTAL DEMAND LOAD**

**7.0 kW**

St. Catherine										<b>Panel Schedule</b>									
Job No: <b>12356.101</b>										Panel: <b>LP-2A (Existing)</b> Date: <b>26/11/2013</b>									
Voltage: <b>120</b> / <b>208</b>										Panel Mains: <b>225 amps</b> Mounting: <b>Recessed</b> Tub Type: <b>Single</b> Location: <b>Main Breaker NO</b>									
Ph/Wire: <b>3/4</b>																			
Fed from: <b>Existing Power Panel</b>																			

BRKR	DESCRIPTION	C [W]	d.f.	D [W]	cd	bus	chd	[W]	d.f.	C [W]	DESCRIPTION	BRKR
15A-1P	EXIST. LIGHTING	1000	1	1000	1	a	2	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	3	b	4	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	5	c	6	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	7	a	8	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	9	b	10	1000	1	1000	EXISTING NIGHT LIGHT	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	11	c	12	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	13	a	14	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	15	b	16	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	17	c	18	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	19	a	20	1100	1	1100	NEW LIGHTING TRAINING RM	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	21	b	22	1100	1	1100	NEW LIGHTING TRAINING RM	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	23	c	24	900	1	900	NEW LIGHTING TRAINING RM	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	25	a	26	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	27	b	28	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	29	c	30	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	31	a	32	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	33	b	34	0	1			
15A-1P	EXIST. LIGHTING	1000	1	1000	35	c	36	0	1			
15A-1P	EXIST. LIGHTING		1	0	37	a	38	0	1			
			1	0	39	b	40	0	1			
			1	0	41	c	42	0	1			

CONNECTED A' 12100 W CONNECTED B' 11100 W CONNECTED C' 10900 W	12100 W 11100 W 10900 W	DEMAND A' DEMAND B' DEMAND C'
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Notes:

REMARKS: EXISTING LOADS SHOWN ARE NOT REFLECTING ACTUAL CONDITION, AS THERE IS NO SITE MEASUREMENT

TOTAL DEMAND AMPS	<b>94.7 A</b>
TOTAL CONNECTED LOAD	<b>34.1 kW</b>
TOTAL DEMAND LOAD	<b>34.1 kW</b>

LUMINAIRE SCHEDULE			
TYPE	DESCRIPTION	LAMP/WATTAGE	MANUFACTURER
FA1	2FTX4FT RECESSED IN T-BAR GRID, PARABOLIC DEEP LOUVER FLUORESCENT C/W ELECTRONIC BALLAST 120V TO MATCH EXISTING	2-32W T8	COLUMBIA P4 SERIES
FJ1	8FT LINEAR FLUORESCENT DIRECT/INDIRECT PENDANT 2-LAMPS WITH PERFORATED PARABOLIC LOUVER , MATTE WHITE FINISH, ELECTRONIC BALLAST 120V. MOUNTED WITH FIELD ADJUSTABLE AIRCRAFT CABLES. SUSPENSION HEIGHT TO BE DETERMINED	2-32W T8	METALUMEN AVITAR SERIES C3M
EM1/EM2	EMERGENCY SINGLE OR DOUBLE REMOTE HEAD(S) 24V 18WATT WHITE FINISH TO MATCH EXISTING	18WATT QUARTZ	LUMACELL MT/MQ SERIES OR APPROVED EQUAL
BU-1	EMERGENCY BATTERY LIGHTING UNIT 24V 360WATTS 1HR RUNTIME TO MATCH EXISTING	360WATT	LUMACELL ROLD SERIES OR APPROVED EQUAL
X2	120VDC DOUBLE-FACE STENCIL CEILING MOUNTED RECESSED EXIT SIGN TO MATCH EXISTING	2-3WATT	
X5	120VDC STENCIL SURFACE MOUNT EDGE-LIT EXIT SIGN TO MATCH EXISTING	2-3WATT	
X7	120VDC END WALL SURFACE MOUNT EDGE-LIT EXIT SIGN TO MATCH EXISTING	2-3WATT	

Panel Schedule												
<b>St. Catherine</b> <b>Job No. 12356.101</b>					<b>Panel:</b> <b>LP-1A (Existing)</b>							
<b>Voltage: 120 / 208</b>					<b>Date:</b> 26/11/2013 <b>Panel Mains: 225 amps</b> <b>Mounting: Recessed</b> <b>Tab Type: Single</b> <b>Location:</b> <b>Main Breaker NO</b>							
<b>Feed from: Existing Power Panel</b>												
BRKR	DESCRIPTION	C [W]	d.f.	D [W]	cut	buss	cut	D [W]	d.f.	C [W]	DESCRIPTION	BRKR
15A-1P	EXIST. EXIT SIGN & BATTERY	500	1	500	1	a	2	500	1	500	EXIST. EXIT SIGN & BATTERY	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	3	b	4	0	0	0	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	5	c	6	0	0	0	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	7	a	8	1000	1	1000	EXISTING NIGHT LIGHT	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	9	b	10	0	0	0	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	11	c	12	1000	1	1000	EXISTING NIGHT LIGHT	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	13	a	14	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	15	b	16	1000	1	1000	EXISTING NIGHT LIGHT	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	17	c	18	0	0	0	EXIST. LIGHTING	15A-1P
15A-1P	NEW LIGHTING	1000	1	1000	19	a	20	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	NEW LIGHTING	1000	1	1000	21	b	22	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	NEW LIGHTING	1000	1	1000	23	c	24	1100	1	1100	NEW LIGHTING	15A-1P
15A-1P	NEW LIGHTING	1000	1	1000	25	a	26	1100	1	1100	NEW LIGHTING	15A-1P
15A-1P	NEW LIGHTING	1000	1	1000	27	b	28	1100	1	1100	NEW LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	29	c	30	1000	1	1000	NEW LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	31	a	32	1000	1	1000	EXIST. LIGHTING	15A-1P
15A-1P	EXIST. LIGHTING	1000	1	1000	33	b	34	0	0	0	EXIST. LIGHTING	15A-1P
15A-1P			1	0	35	c	36	0	0	0		
			1	0	37	a	38	0	0	0		
			1	0	39	b	40	0	0	0		
			1	0	41	c	42	0	0	0		

CONNECTED A' 11100 W  
 CONNECTED B' 9100 W  
 CONNECTED C' 8100 W

11100 W DEMAND A'  
 9100 W DEMAND B'  
 8100 W DEMAND C'

Notes:

REMARKS

<b>TOTAL DEMAND AMPS</b>	<b>78.6 A</b>
<b>TOTAL CONNECTED LOAD</b>	<b>28.3 kW</b>
<b>TOTAL DEMAND LOAD</b>	<b>28.3 kW</b>

NOTES:

REMARKS: EXISTING LOADS SHOWN ARE NOT REFLECTING ACTUAL CONDITION, AS THERE IS NO SITE MEASUREMENT

<div style="display: inline-block; vertical-align: middle; text-align: left;"> <b>Public Works and Government Services Canada</b>          Architectural and Engineering Services          Ontario Region           Travaux publics et Services gouvernementaux Canada          Services d'architecture et de génie          Région de l'Ontario       </div>		
<b>TAYLOR HAZELL ARCHITECTS</b> 333 Adelaide Street West , 5th Floor Toronto ON M5V 1R5 www.taylorhazell.com p. 416.862.2694 f. 416.862.8401		
<div style="display: flex; align-items: center;"> <div> <b>CROSSEY ENGINEERING LTD.</b>  <b>CONSULTING ENGINEERS</b>  <b>ELECTRICAL, MECHANICAL, LIGHTING</b>          2255 Sheppard Avenue, E., Suite E 331          North York, On M2J 5Y1          (416)497.3111 fax (416)497.7210       </div> </div>		
12356.101	STAMP	
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2	ISSUED FOR TENDER	29.11.06
1	ISSUED FOR REVIEW	13.11.06
révisions revisions		date
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> </div> <div> <p>A no. du détail detail no.</p> <p>B no. de la feuille--où détaillé sheet no. -- where detailed</p> </div> </div>		
Projet		Project
<b>CRA OFFICE FIT UP</b>  CANADA REVENUE AGENCY 32-36 CHURCH STREET  ST. CATHARINES, ONT.		
Dessin		Drawing
<b>ELECTRICAL SCHEDULES</b>  		
Conçu par Taylor Hazell Architects LTD.		Designed by 2013-11-11 Date
Dessiné par LN		Drawn by 2013-11-11 Date
Approuvé par AO		Approved by 2013-11-11 Date
Soumission		Tender
Administrateur de projets APC		PCA Project Manager
No de projet      Project number <b>R.065355.001</b>		
Nom du fichier <b>1384-E-500.DWG</b>		No de classement
No de plan ou dessin		File no No feuille      Sheet no
		<b>E-500</b>