



PHYSICAL RESOURCES

TENDER

General Contracting Services
for

**Building #046 Renovations
For
College of Social and Applied Human Sciences
Project No. 504034 Post**

POST TENDER ADDENDUM 2

March 13 , 2019

Part 1 – GENERAL

PT-2.1 The following is provided to bidders as additional information and/or clarification and/or in response to questions.

PT-2.2 *This Addendum shall form an integral part of the Contract Documents and amends the original Specifications and Drawings and shall be read in conjunction with the Tender as issued by the University of Guelph on November 15, 2018, dated November 2, 2018. This Addendum shall take precedence over all requirements to the aforementioned Tender with which it may prove to be at variance.*

PT-2.3 Receipt of this Addendum shall be acknowledged on form Appendix C as a part of your submission. Failure to do so may subject the Proponent to disqualification.

PT-2.4 Ensure that all affected parties are aware of the items noted and include any and all cost impacts in the Tender submission.

PT-2.5 This Addendum contains:

- .1 Part 1 – GENERAL
- .2 Part 2 – CLARIFICATIONS
Specifications
Drawings

Part 2 – CLARIFICATIONS

PT-2.6 As part of this post tender addenda process, a new supplementary bid form, specification section 00 43 01 LIST OF SUB-CONTRACTORS AND COST BREAKDOWN, will be required. While the form has not been revised, it has been appended to this document for clarity.

SPECIFICATIONS

PT-2.7 SECTION 00 41 07 – BID FORM WITH BONDING

- .1 **REPLACE:** Specification section in entirety with revised section 00 41 07 attached to the end of this document.

PT-2.8 SECTION 00 43 01 – LIST OF SUB-CONTRACTORS AND COST BREAKDOWN

- .1 **REPLACE:** Specification section in entirety with revised section 00 43 01 attached to the end of this document.

PT-2.9 SECTION 00 43 03 – SUPPLEMENTARY BID FORM – UNIT PRICES

- .1 **REPLACE:** Specification section in entirety with revised section 00 43 03 attached to the end of this document.

PT-2.10 SECTION 10 28 10 – TOILET AND BATH ACCESSORIES

- .1 **ADD:** Sub-paragraph 2.3.2.11 as follows:
 - “.11 Hand Dryer (HD): listed under re-examination service of ULC and CSA approved, low voltage, hands free, surface mounted, brushed steel

Post Tender Addendum 2
Tender for General Contracting Services
Building #046 Renovations for College of Social and Applied Human Sciences
Project No. 504034 Post

finished, 234 mm / 9-1/4" wide x 393 mm / 15-1/2" high x 100 mm / 4" deep, max 79dB(A), complete with stainless steel wall protection,

.1 Acceptable product:

- .1 Dyson Airblade V, sprayed nickel finish., and
- .2 '89S Wall guard' by Xlerator."

DRAWINGS

PT-2.11 IT/COMMUNICATION DRAWINGS

- .1 Attached to this document are IT/Communication Drawings T102, T103, T104, T108 and T110 dated February 26, 2019, as referenced in Post Tender Addendum 1, dated March 4, 2019, Item PT1.96.

END OF POST TENDER ADDENDUM NO. 2



Physical Resources
Design, Engineering & Construction
Tel (519) 824-4120
Fax (519) 837-0581

J.C. Hersey Building
University of Guelph
Guelph, Ont. N1G 2W1

REVISED BID FORM

Project No.: 504034 Post

Project (Work): Building #046 Renovations

Page 1 of 3

Bid Issue Authorized By  Manager, Design, Engineering & Construction

Bid Closing: Date: **March 29, 2019** Time: before and not later than 3:00 PM (as determined by MERX)

Name of Bidder _____

Address _____

Telephone _____ Fax _____

BID PRICE

I / We, the undersigned, having examined the Bid Documents (drawings and specifications) identified in Specification Section 00 01 15 List of Drawings for the above project, and having received, carefully examined and incorporated Addendum numbers _____ to and including _____ and Post Tender Addendum numbers _____ to and including _____, all as prepared by J.L. Richards & Associates Limited hereinafter referred to as the *Consultant* and having visited and examined the *Place of the Work*, and having examined all conditions, circumstances and limitations affecting the Work, offer to enter into a Contract with the Owner to perform the Work required by these Documents for the above project for the stipulated sum *Bid Price* of:

\$ _____ [Note: insert amount in numbers only]

Bid Price is not to include Value Added Tax.

H.S.T./G.S.T. Registration # _____

BID SECURITY

Attached to this bid is a bid bond issued by _____ in the amount of

\$ _____ . [Note: insert amount in numbers only]

AGREEMENT TO BOND

Attached to this bid is a separate agreement to bond issued by _____

undertaking to provide the bonds as required by the Bid Documents.

DECLARATIONS

I / We, the undersigned declare that:

University of Guelph Project No. 504034 Post
Building #046 Renovations

Project No.: 504034 Post

Project Name: Building #046 Renovations

NAME OF BIDDER: _____

I/We, the undersigned, propose to employ the following Sub-contractors and/or Suppliers to perform an item of the Work called for by the Contract. I/We confirm that all have been investigated to confirm their reliability and competency to carry out such work in accordance with the Contract Documents.

I/We acknowledge that the Instructions to Bidders require that we list only one Sub-contractor and/or Supplier for each item of the Work described in this List of Subcontractors. I/We further acknowledge that where we have entered "own forces" to perform an item of the Work, we are experienced in the work to be performed and it is our intention to use "own forces" for that purpose.

After bid submission, no substitution for a Sub-contractor, Supplier or "own forces" will be permitted except as provided in the Contract.

I/We the undersigned understand that if this Supplementary Bid Form is not completed, our Bid may be declared as "non-compliant".

ITEM OF WORK	SUBCONTRACTOR	COST
Mechanical		\$
Electrical		\$
Roofing		\$
Telecommunications		\$
Electronic Access/Security		\$
Fire Alarm Testing		\$
Fire Suppression		\$

This List of Sub-contractors and Cost Breakdown is an integral part of these Bid Documents.

DATE: _____

SIGNATURE: _____

NAME AND TITLE: _____

END OF DOCUMENT

Project No.: 504034 Post

Project Name: Building #046 Renovations

NAME OF BIDDER _____

I/We the undersigned offer the following unit prices for the work or for additional work listed here. All unit prices, unless specifically indicated, are for complete work, in place, supplied and installed in accordance with applicable Contract requirements and include all overhead and profit mark-up.

I/We the undersigned agree that the credits for deleted work shall be no less than eighty percent (80%) of the unit prices listed hereunder.

I/We the undersigned agree that the Owner shall have the right to negotiate the cost of additional work instead of using the unit prices listed hereunder.

I/We the undersigned understand that if this Supplementary Bid Form is not completed, our Bid may be declared as “non-compliant”.

Prices listed hereunder do not include any Value Added Taxes but include all other eligible taxes.

<u>ITEM OF WORK UNIT</u>	<u>COST/UNIT</u>
• <u>Construction Manager</u>	<u>/hour</u>
• <u>Project Coordinator</u>	<u>/hour</u>
• <u>Project Superintendent</u>	<u>/hour</u>
• <u>Site Labour (General Contractor’s Own Forces)</u>	<u>/hour</u>
• <u>Site Labour (Mechanical Sub-contractor)</u>	<u>/hour</u>
• <u>Site Labour (Electrical Sub-contractor)</u>	<u>/hour</u>
• <u>Construction Manager (After-hours)</u>	<u>/hour</u>
• <u>Project Coordinator (After-hours)</u>	<u>/hour</u>
• <u>Project Superintendent (After-hours)</u>	<u>/hour</u>
• <u>Site Labour (General Contractor’s Own Forces) (After-hours)</u>	<u>/hour</u>
• <u>Site Labour (Mechanical Sub-contractor) (After-hours)</u>	<u>/hour</u>
• <u>Site Labour (Electrical Sub-contractor) (After-hours)</u>	<u>/hour</u>
• <u>Removal and disposal of non-asbestos plaster ceilings</u>	<u>/sq.m.</u>

- Repair and/ repoint existing brick _____/sq.m.

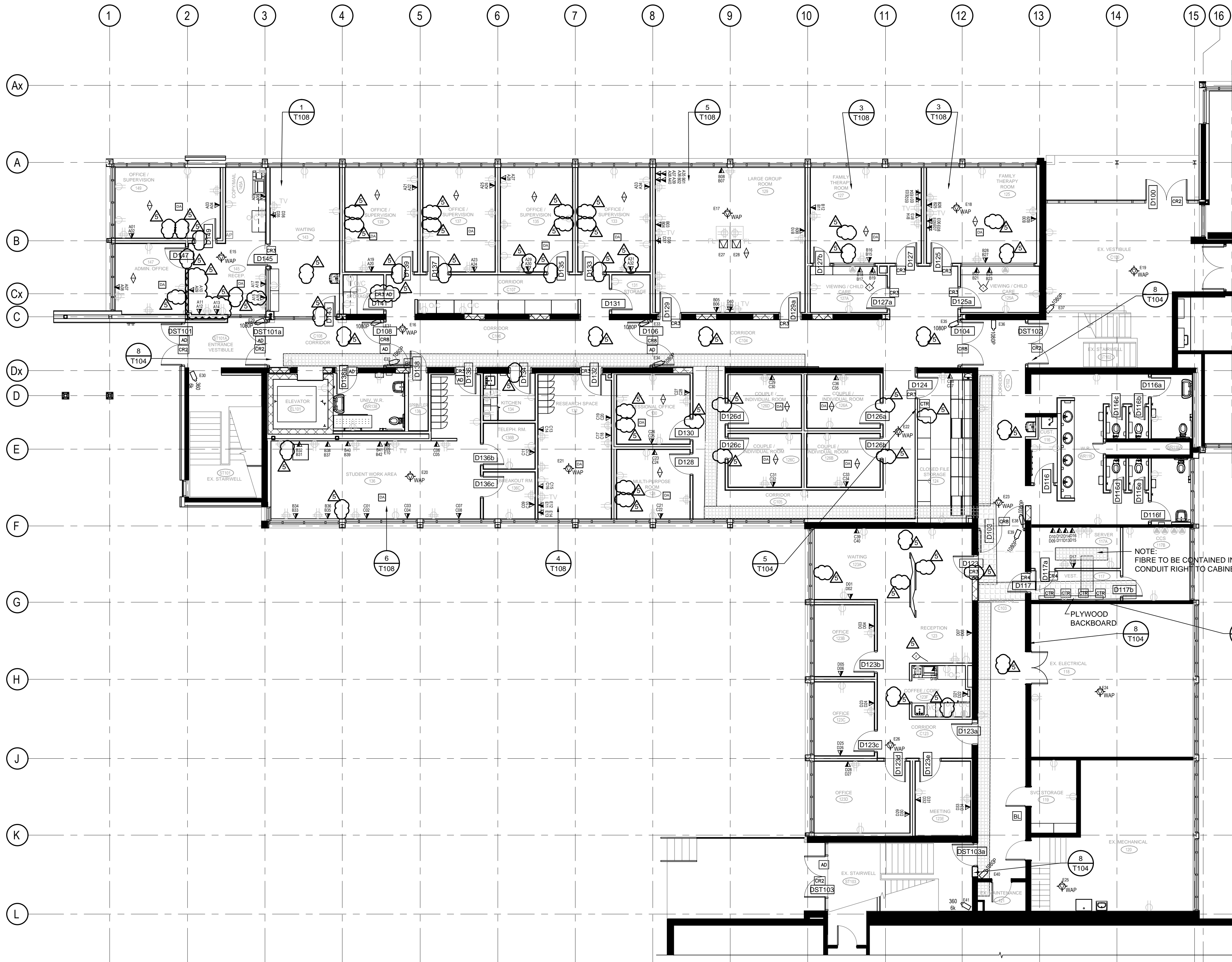
This list of Unit Prices is an integral part of these Bid Documents.

DATE: _____

SIGNATURE: _____

NAME AND TITLE: _____

END OF DOCUMENT



LEGEND

- ◇ VCAP PATHWAY LOCATION FROM CLOSEST WIRE BASKET TRAY POINT(2" CONDUIT REQUIRED) BY DIVISION 26
- AD AUTOMATIC DOOR OPERATOR
- XXX SECURITY SYSTEM CAMERA DROP WITH RESOLUTION REQUIRED
- CRX ACCESS CONTROL DOOR WITH DETAIL X / T105
- ▽ WALL MOUNT 4-PORT 2 DATA OUTLET INSTALLED @ 350mm (14") O.C. A.F.F. , UNLESS SPECIFIED OTHERWISE
- ▽ WALL MOUNT 4-PORT 2 DATA OUTLET INSTALLED @ 1525mm (60") O.C. A.F.F. , UNLESS SPECIFIED OTHERWISE
- FLOOR MOUNT COMMUNICATIONS OUTLET. COORDINATE LOCATIONS WITH ELECTRICAL.
- WAP CEILING MOUNT DATA DROP FOR WIRELESS ACCESS POINT
- CTR CONTROLLER LOCATION SEE ELEVATION DETAIL
- 300mm (12")W x 100mm (4")H WIRE BASKET TRAY OR 457mm (18")W x 100mm (4")H WIRE BASKET TRAY BY VESTIBULE 117 BY DIVISION 26
- VERTICAL PATHWAY
- CONDUIT (WITH SIZING) BY DIVISION 26
- DA DURESS ALARM LOCATION
- BL CODE BLUE STATION LOCATION
- AP DURESS ALARM SYSTEM ANNUNCIATOR PANEL LOCATION

NOTES:

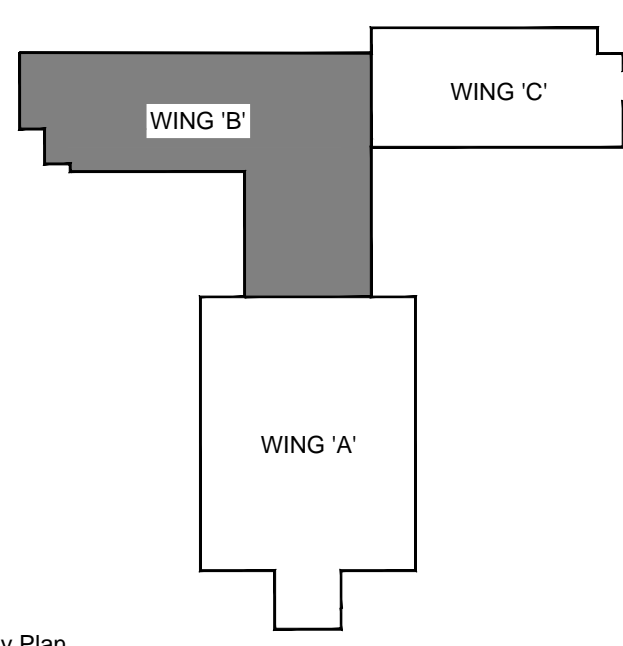
1. ALL CABLING TO END POINTS, TO BE CONTAINED IN CONDUIT AND HOME RUN TO THE WIRE BASKET TRAY. SEE T100 FOR CONDUIT SIZING AND JUNCTION BOX SIZING
2. EXACT PLACEMENT OF DURESS BUTTON IS TO BE COORDINATED WITH THE CLIENT PRIOR TO GYPSUM INSTALLATION.
3. ALLOW FOR SECURITY CAMERAS TO HAVE +/- 25M OF MOVEMENT
4. COMMUNICATIONS CONTRACTOR TO COORDINATE WITH DIVISION 26 FOR SIZING OF FLOOR BOX AND FILLER PLATES FOR DATA AND AV JACKS

CONSTRUCTION NOTES:

- ◇ DATA DROP TO BE ABOVE MILLWORK OR EASILY ACCESSIBLE THROUGH MILLWORK. EXACT LOCATION TO BE DETERMINED ON SITE
- ◇ POSSIBLE LOCATION FOR 204A(Z3). TBD AT LATER DATE.

1 B-WING FLOOR 1 LAYOUT
T108 SCALE: 1:100

CONTRACTOR TO COORDINATE ON SITE EXACT LOCATIONS WITH BUILDING OWNER, BUILDING OWNERS FURNITURE SYSTEM LAYOUTS AND ALL MILLWORK PRIOR TO START OF WORK AND INSTALLATION OF ANY POWER AND/OR TELECOM DATA OUTLETS IN ALL ROOMS.



Key Plan

DO NOT SCALE DRAWINGS:

Contractors must check and verify all site conditions. Notify the Owner's Representative in writing before proceeding with the work if discrepancies are evident between the drawings and the site condition. No extras to the contract will be allowed if discrepancies were evident prior to start of work.

UNEXPECTED DISCOVERY OF ASBESTOS:

Where a friable material is discovered during construction, renovations and/or demolition, and it is suspected to contain asbestos, the Contractor must stop all work that may disturb the material. The Contractor shall advise the Owner of the discovery and await instructions from the owner.

A	A = Detail number
B	B = Drawing number where detailed

POST-TENDER ADDENDUM NO.1	TA	FEB. 26, 2019
4 ISSUED FOR PERMIT & TENDER	DC	NOV 2, 2018
3 ISSUED FOR 95% REVIEW	DC	OCT 05, 2018
2 ISSUED FOR 95% REVIEW	DC	SEPT 14, 2018
1 ISSUED FOR 65% REVIEW	TA	JULY 12, 2018
NO. ISSUED	BY	DATE

Orientation	
Seal	Seal

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Design, Engineering & Construction
Physical Resources
Guelph, Ontario. N1G 2W1

Consultant www.jrichards.ca

J.L. Richards
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Project
BUILDING #046 RENOVATIONS

Drawing Title
B-WING FLOOR 1 LAYOUT

Project No.
504034

Location
UNIVERSITY OF GUELPH BUILDING #046

Scale AS SHOWN	Date NOV 2, 2018
Drawn by K.C.	Drawing No.
Checked By D.C.	T102
Approved By B.W.	
JLR #	
Cad File No.	



1 B-WING FLOOR 2 LAYOUT
SCALE: 1:100

CONTRACTOR TO COORDINATE ON SITE EXACT LOCATIONS WITH BUILDING OWNER, BUILDING OWNERS FURNITURE SYSTEM LAYOUTS AND ALL MILLWORK PRIOR TO START OF WORK AND INSTALLATION OF ANY POWER AND/OR TELECOM DATA OUTLETS IN ALL ROOMS.

LEGEND

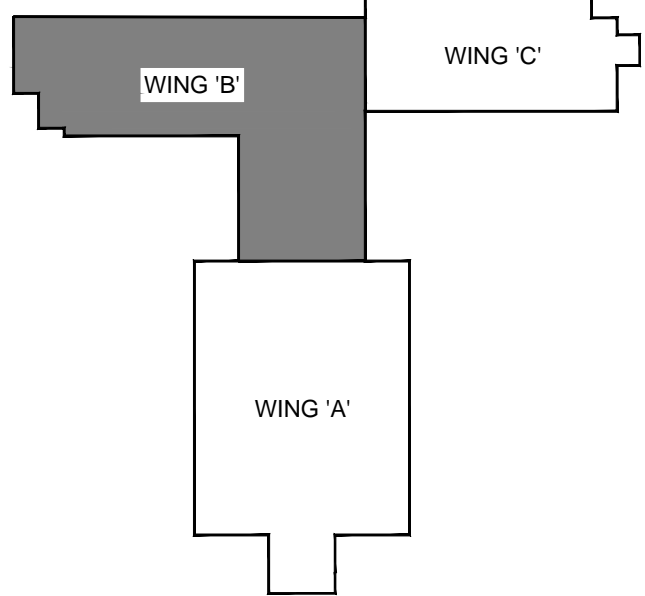
- VCAP PATHWAY LOCATION FROM CLOSEST WIRE BASKET TRAY POINT(2" CONDUIT REQUIRED) BY DIVISION 26
- AUTOMATIC DOOR OPERATOR
- SECURITY SYSTEM CAMERA DROP WITH RESOLUTION REQUIRED
- ACCESS CONTROL DOOR WITH DETAIL X / T105
- WALL MOUNT 4-PORT 2 DATA OUTLET INSTALLED @ 350mm (14") O.C. A.F.F. , UNLESS SPECIFIED OTHERWISE
- WALL MOUNT 4-PORT 2 DATA OUTLET INSTALLED @ 1525mm (60") O.C. A.F.F. , UNLESS SPECIFIED OTHERWISE
- FLOOR MOUNT COMMUNICATIONS OUTLET. COORDINATE LOCATIONS WITH ELECTRICAL.
- CEILING MOUNT DATA DROP FOR WIRELESS ACCESS POINT
- CONTROLLER LOCATION SEE ELEVATION DETAIL
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- VERTICAL PATHWAY
- CONDUIT (WITH SIZING) BY DIVISION 26
- DURESS ALARM LOCATION
- CODE BLUE STATION LOCATION
- DURESS ALARM SYSTEM ANNUNCIATOR PANEL LOCATION

NOTES:

1. ALL CABLING TO END POINTS, TO BE CONTAINED IN CONDUIT AND HOME RUN TO THE WIRE BASKET TRAY. SEE T100 FOR CONDUIT SIZING AND JUNCTION BOX SIZING
2. EXACT PLACEMENT OF DURESS BUTTON IS TO BE COORDINATED WITH THE CLIENT PRIOR TO GYPSUM INSTALLATION.
3. ALLOW FOR SECURITY CAMERAS TO HAVE +/- 25M OF MOVEMENT
4. COMMUNICATIONS CONTRACTOR TO COORDINATE WITH DIVISION 26 FOR SIZING OF FLOOR BOX AND FILLER PLATES FOR DATA AND AV JACKS. FLOOR BOXES TO BE POKE THROUGH.

CONSTRUCTION NOTES:

- DATA DROP TO BE ABOVE MILLWORK OR EASILY ACCESSIBLE THROUGH MILLWORK. EXACT LOCATION TO BE DETERMINED ON SITE
- RECESSED WALL ENCLOSURE CONTAINING POWER SUPPLY FOR MAG LOCKS BESIDE ELECTRICAL PANELS.



Key Plan

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Orientation	
Seal	Seal

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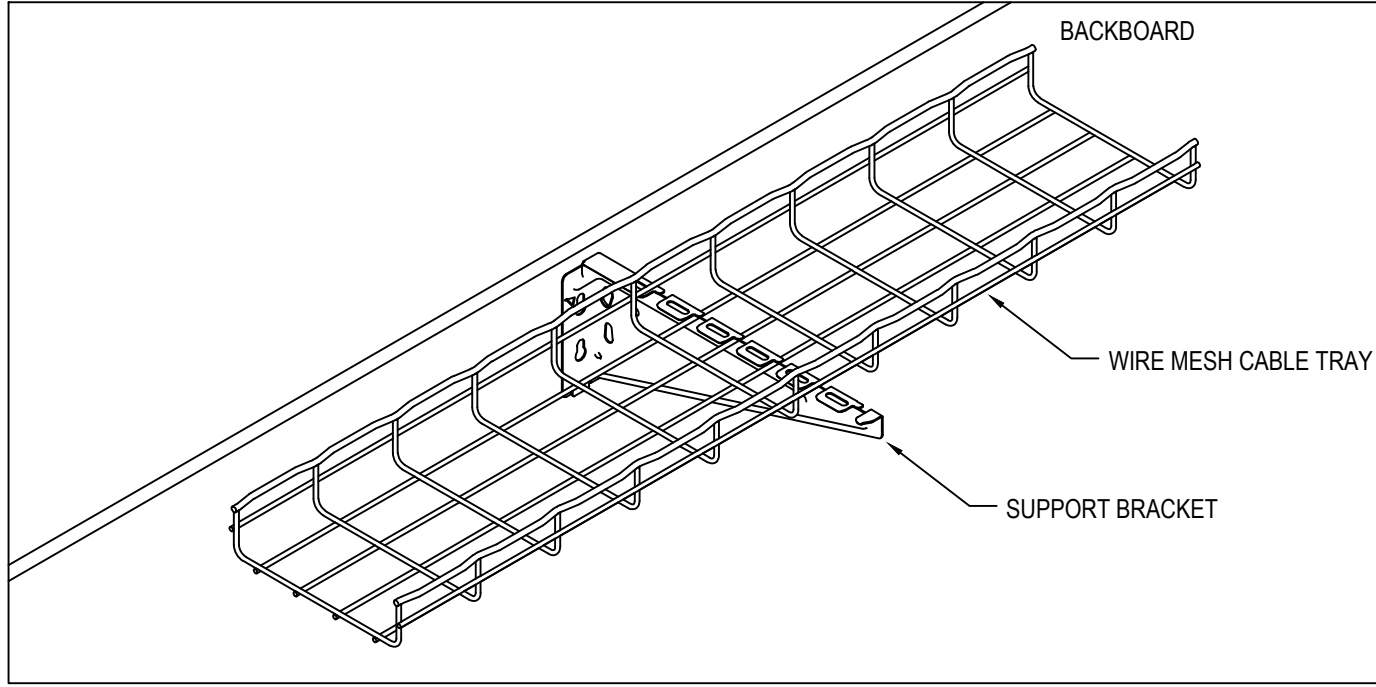
Project
BUILDING #046 RENOVATIONS

Drawing Title
B WING FLOOR 2 LAYOUT

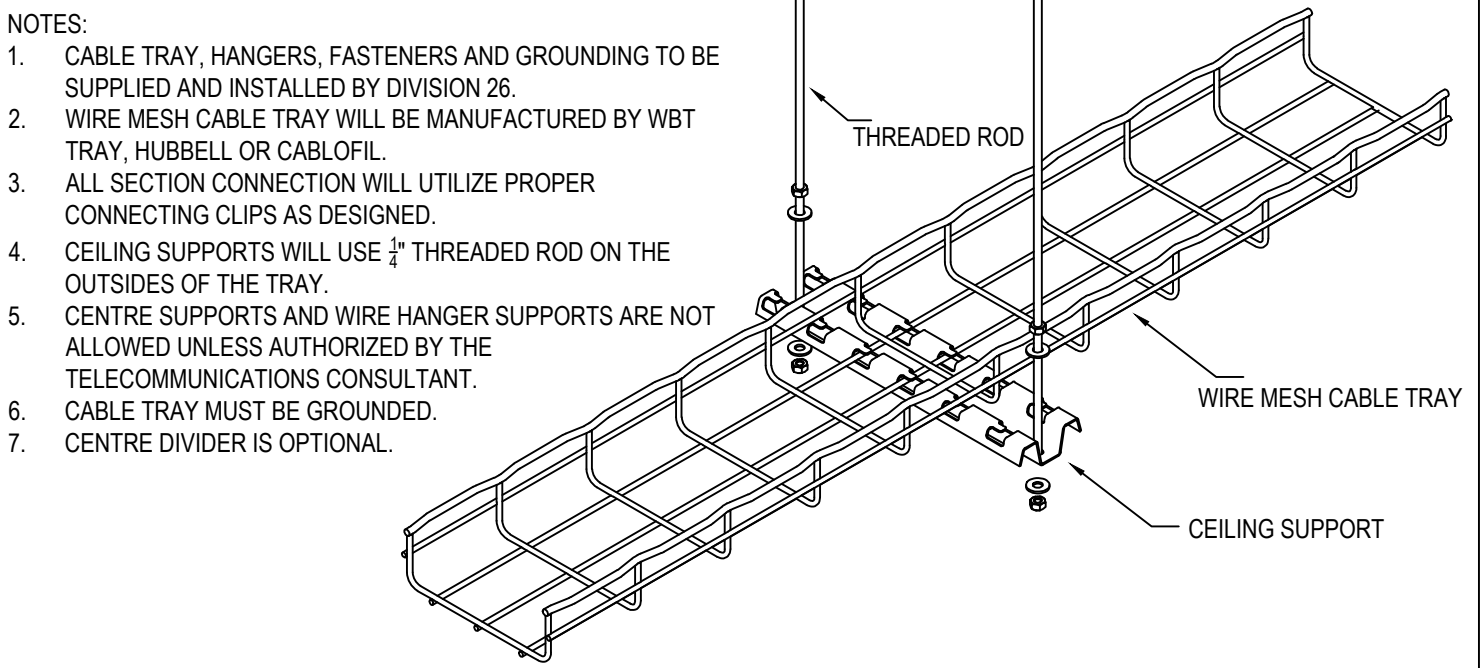
Project No.
504034

Location
UNIVERSITY OF GUELPH BUILDING #046

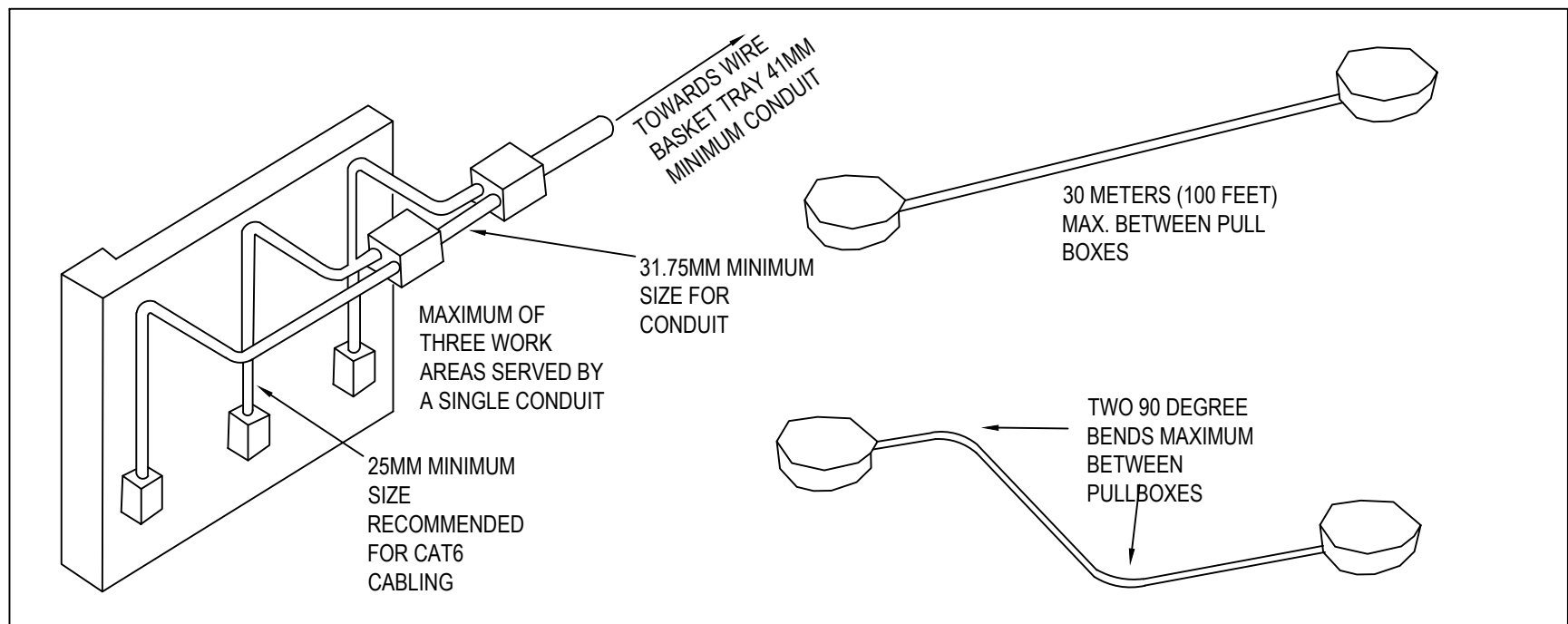
Scale AS SHOWN	Date NOV 2, 2018
Drawn by K.C.	Drawing No. T103
Checked By D.C.	
Approved By B.W.	
JLR #	
Cad File No.	of



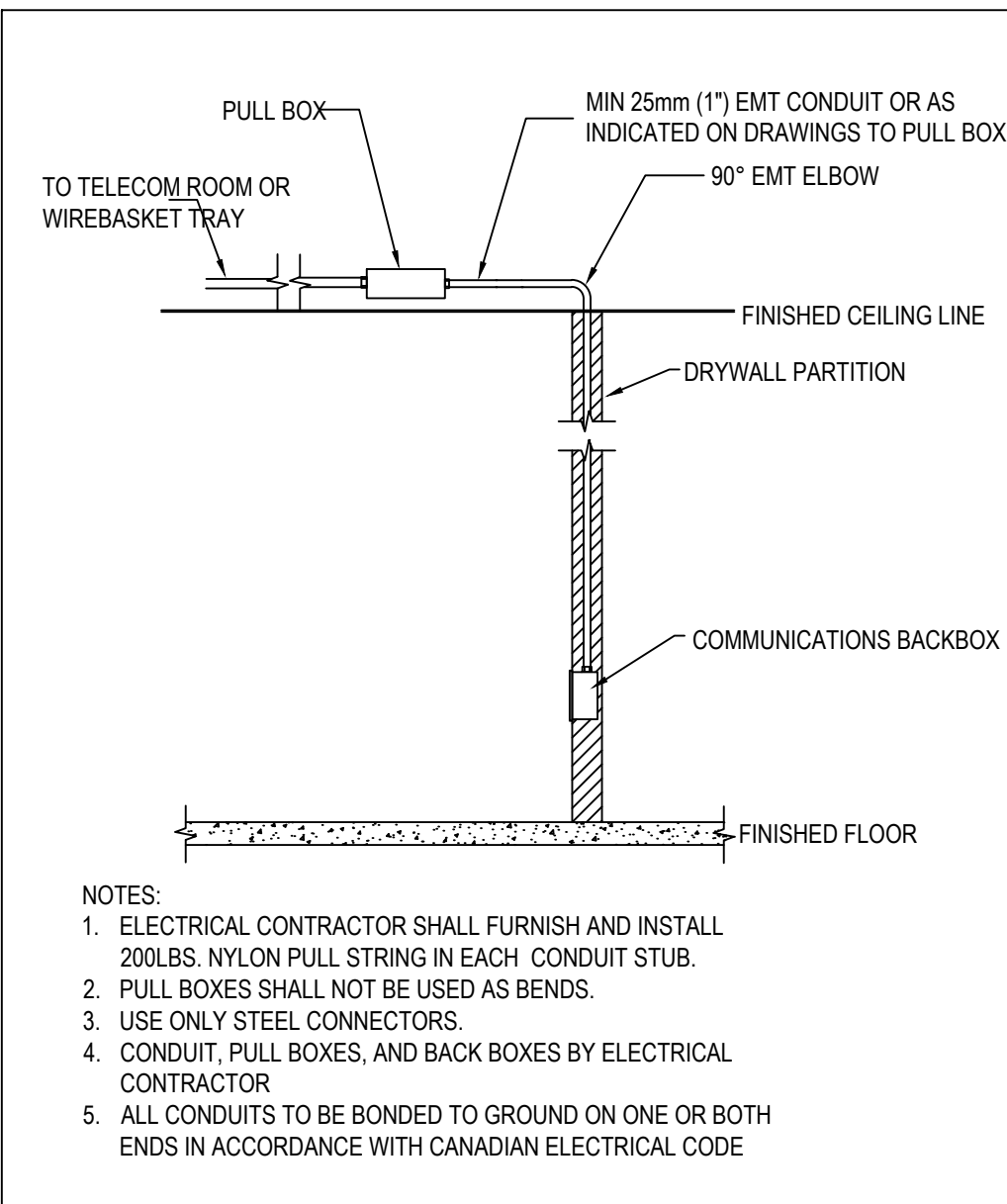
1 CABLE TRAY SUPPORT
T104 SCALE: N.T.S.



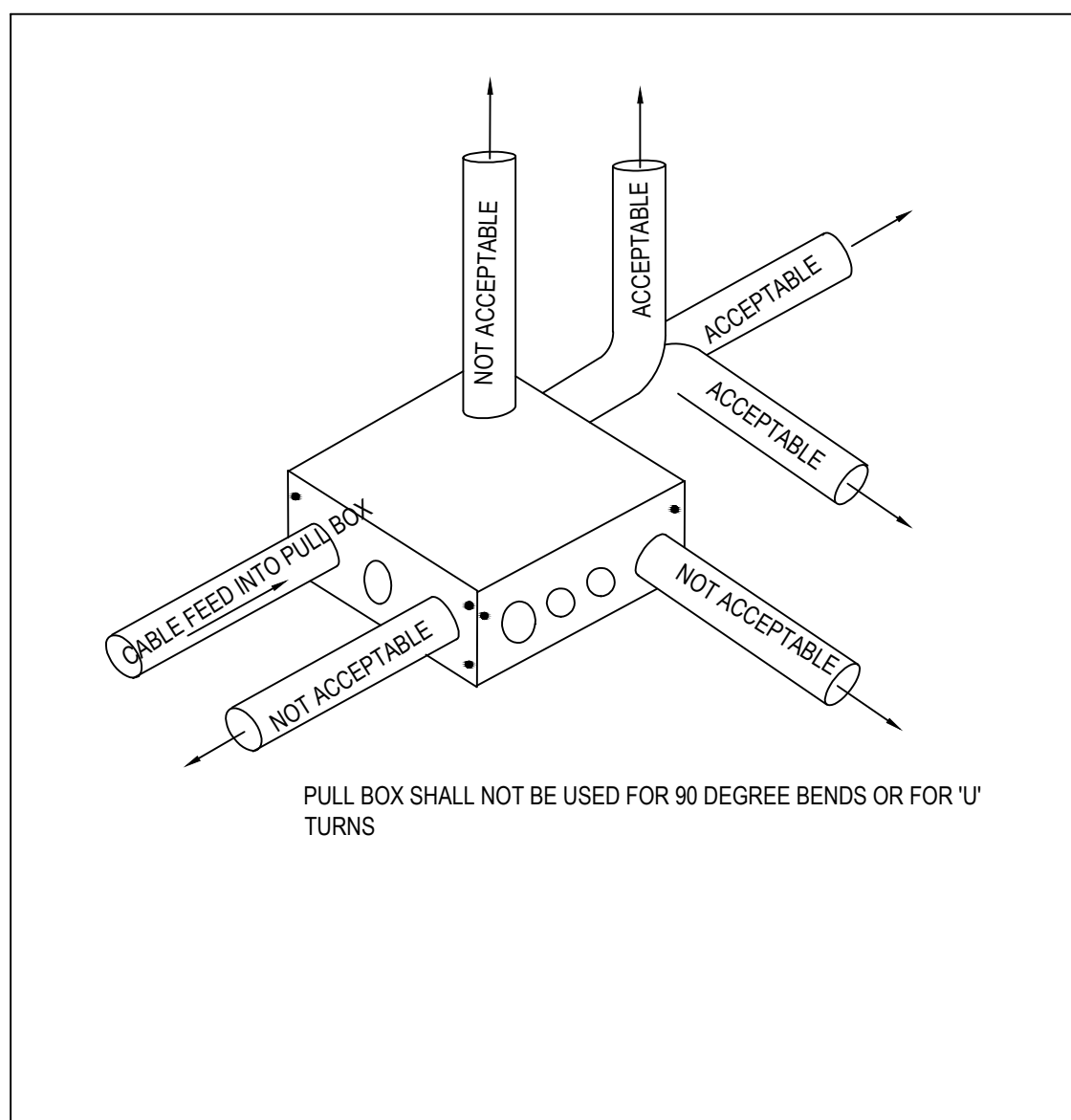
2 CABLE TRAY DETAIL
T104 SCALE: N.T.S.



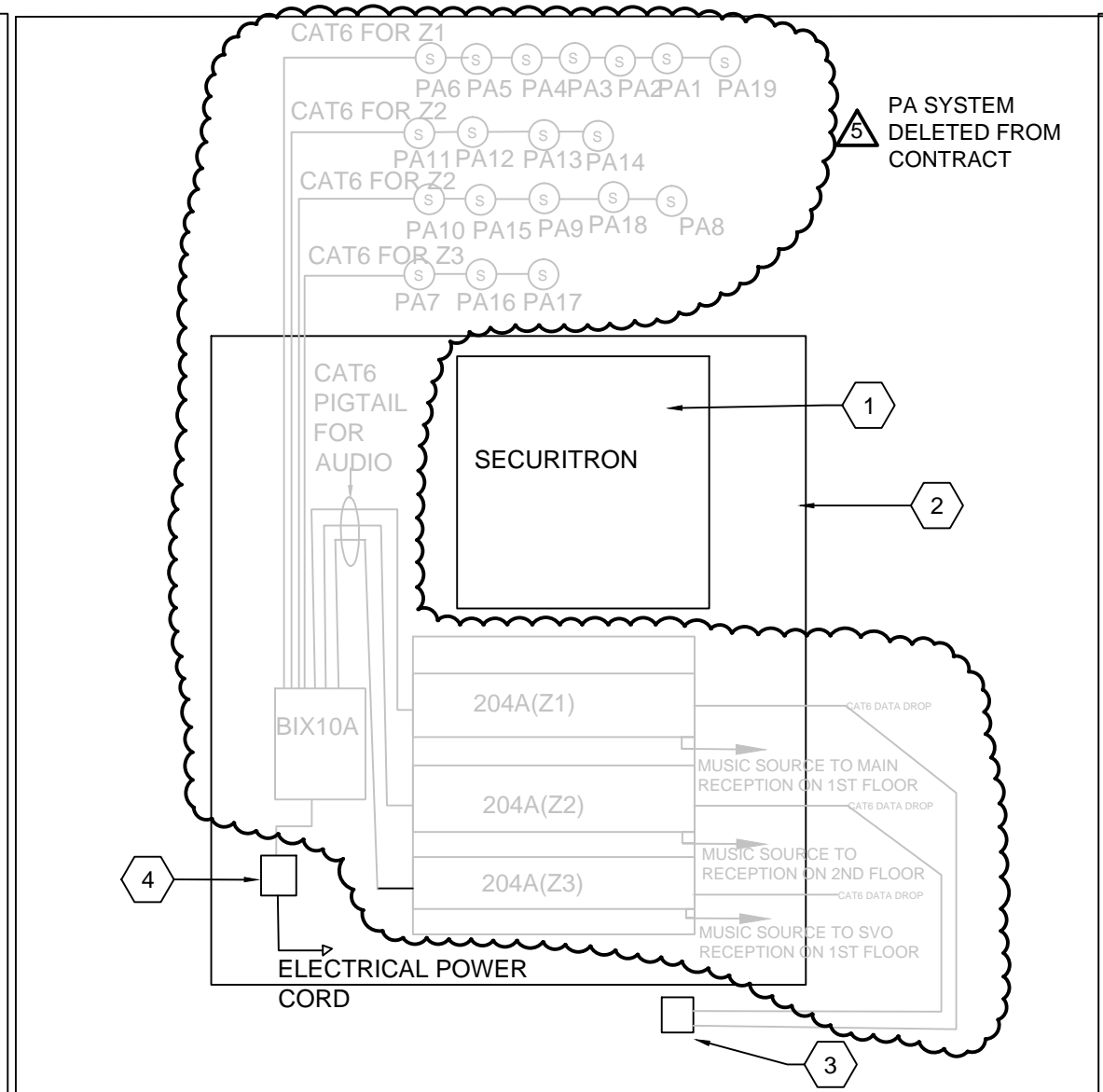
6 COMMUNICATIONS CONDUIT AND PULLBOX INSTRUCTIONS
T104 SCALE: N.T.S.



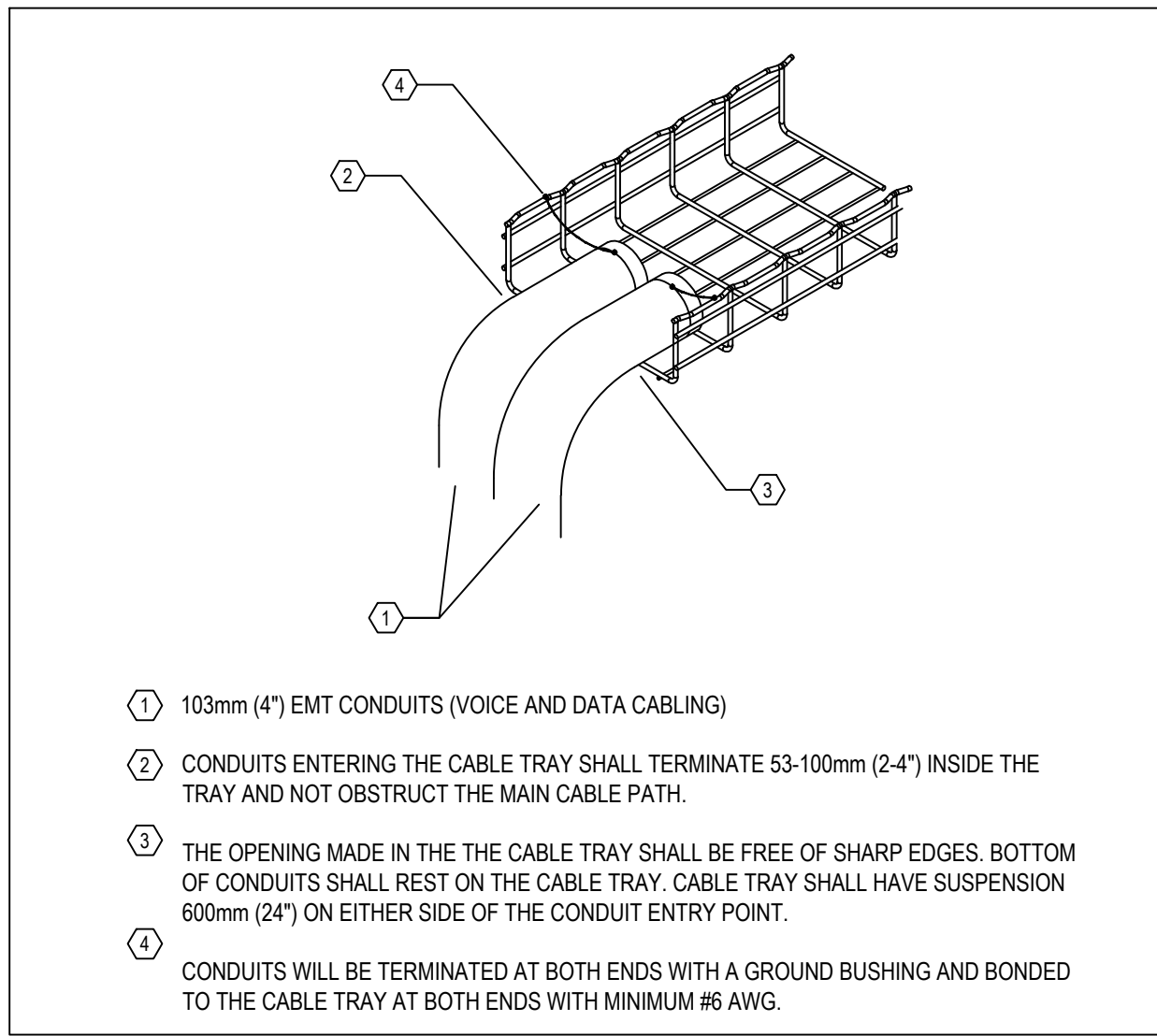
3 FLUSHED-MOUNT OUTLET DETAILS
T104 SCALE: N.T.S.



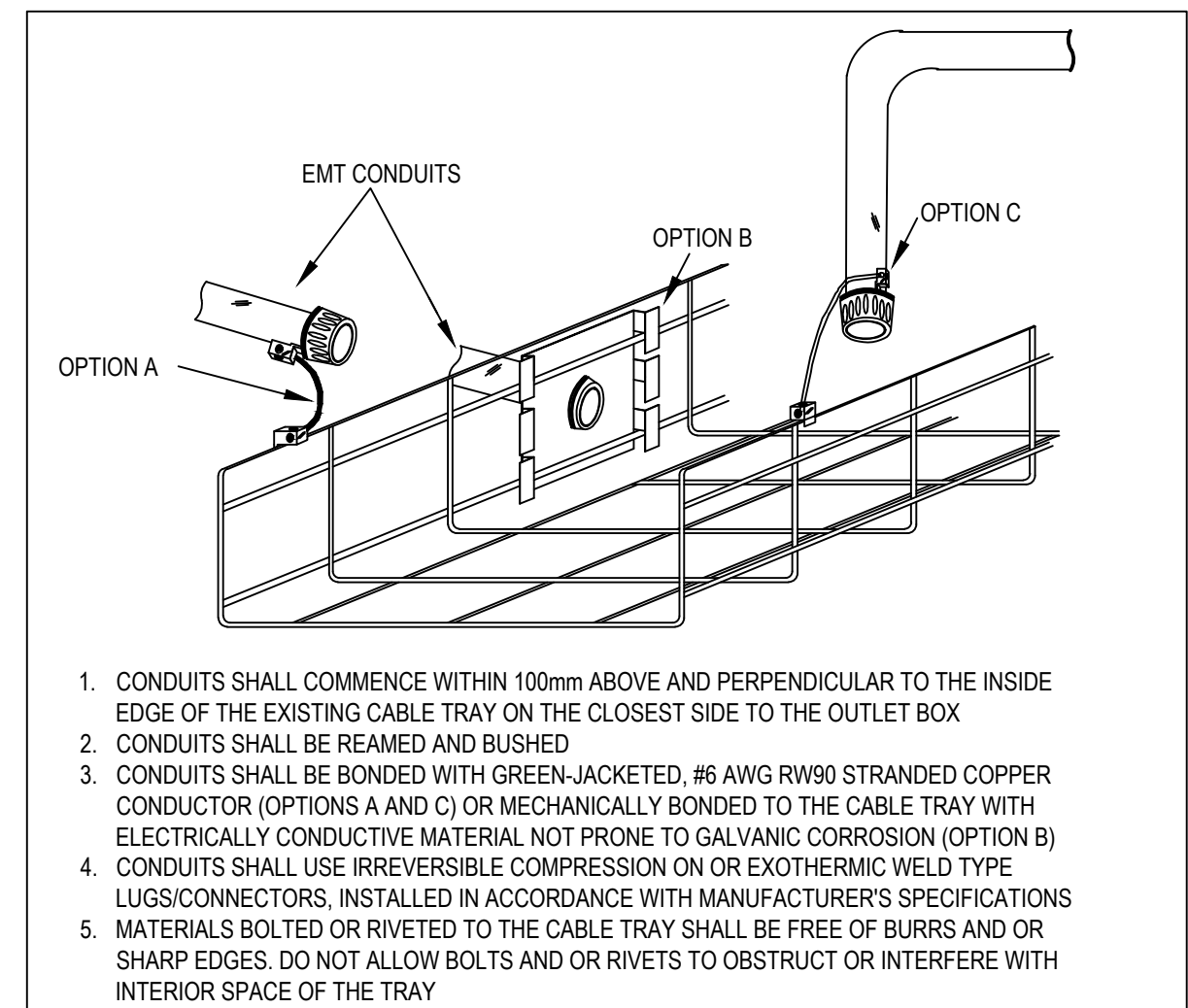
4 PULLBOX DETAILS
T104 SCALE: N.T.S.



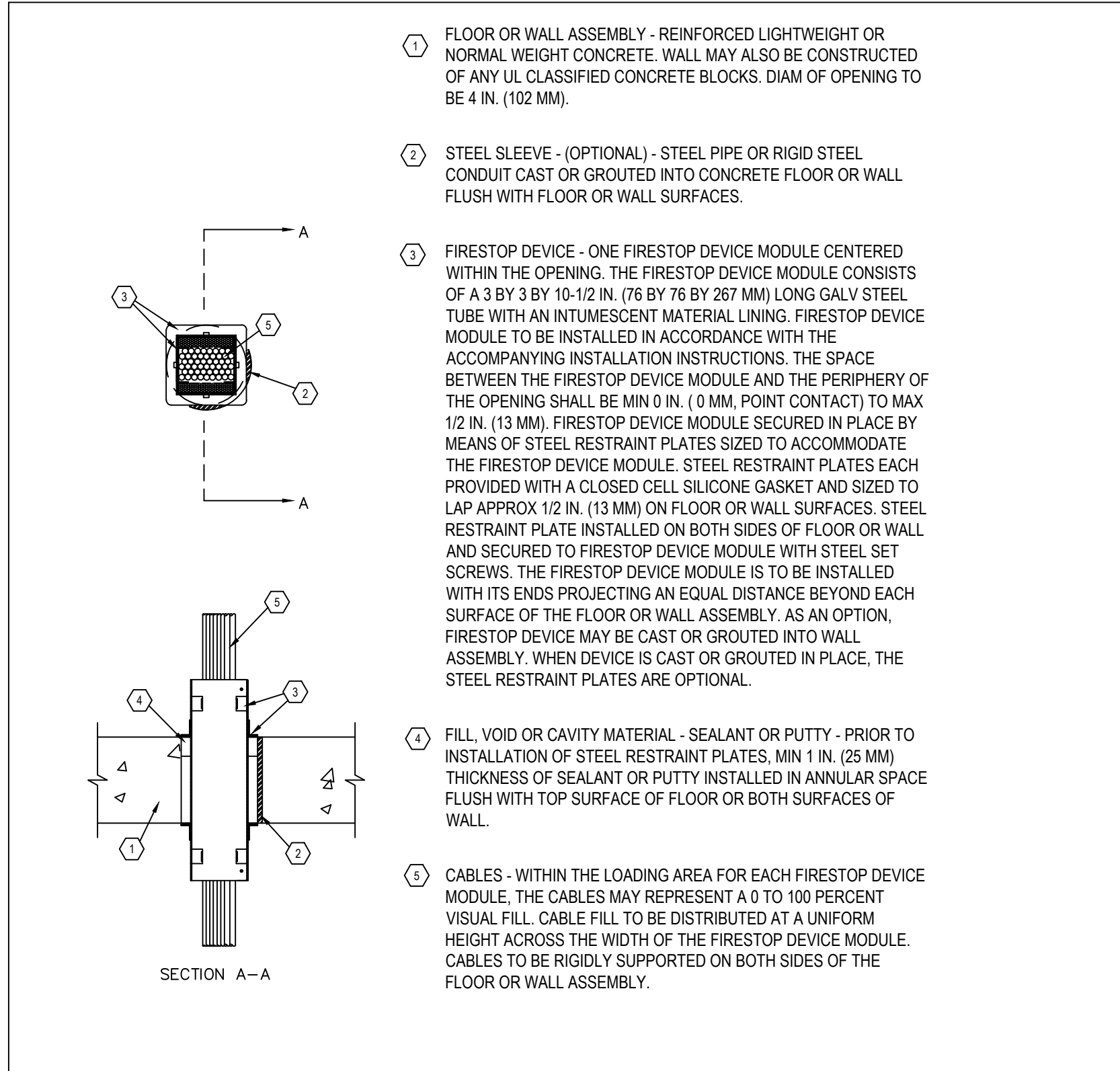
5 PA SPEAKERS ELEVATION
T104 SCALE: N.T.S.



7 CONDUIT ENTRY INTO CABLE TRAY 1
T104 SCALE: N.T.S.



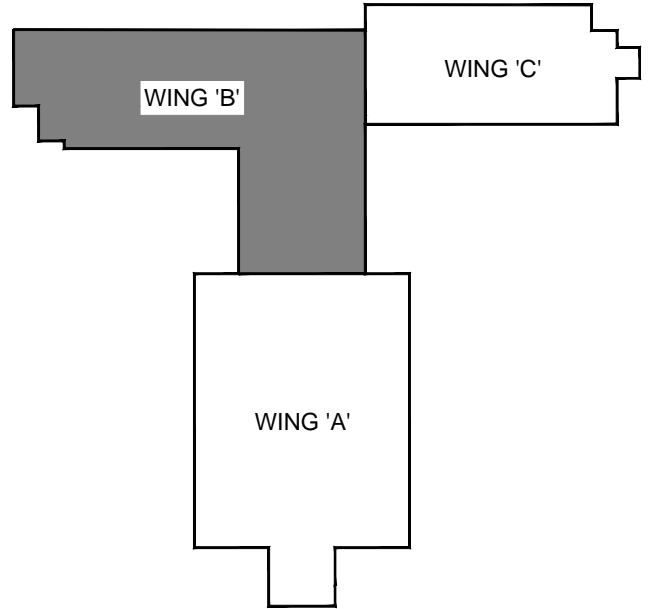
9 CONDUIT ENTRY INTO CABLE TRAY 2
T104 SCALE: N.T.S.



8 CONDUIT FIRESTOPPING DETAILS
T104 SCALE: N.T.S.

- 1 SECURITON BOX 355MM(14")H X355MM(14"W) X120MM(4.75")D
- 2 FIRE RATED PLYWOOD BACKBOARD 838MM(33")W X914MM(36")H X19MM(3/4")D
- 3 4 PORT 3 DATA OUTLET SEE T102 FOR MORE DETAIL
- 4 VP - 1124D POWER SUPPLY

NOTES:
1.MUSIC SOURCE CABLE IS RCA TO IPOD, IPAD OR OTHER TYPE OF MUSIC SOURCE CONNECTION
2. 204A(Z3) MAY BE RELOCATED. TBD AT LATER DATE.



Key Plan

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Orientation	
Seal	Seal

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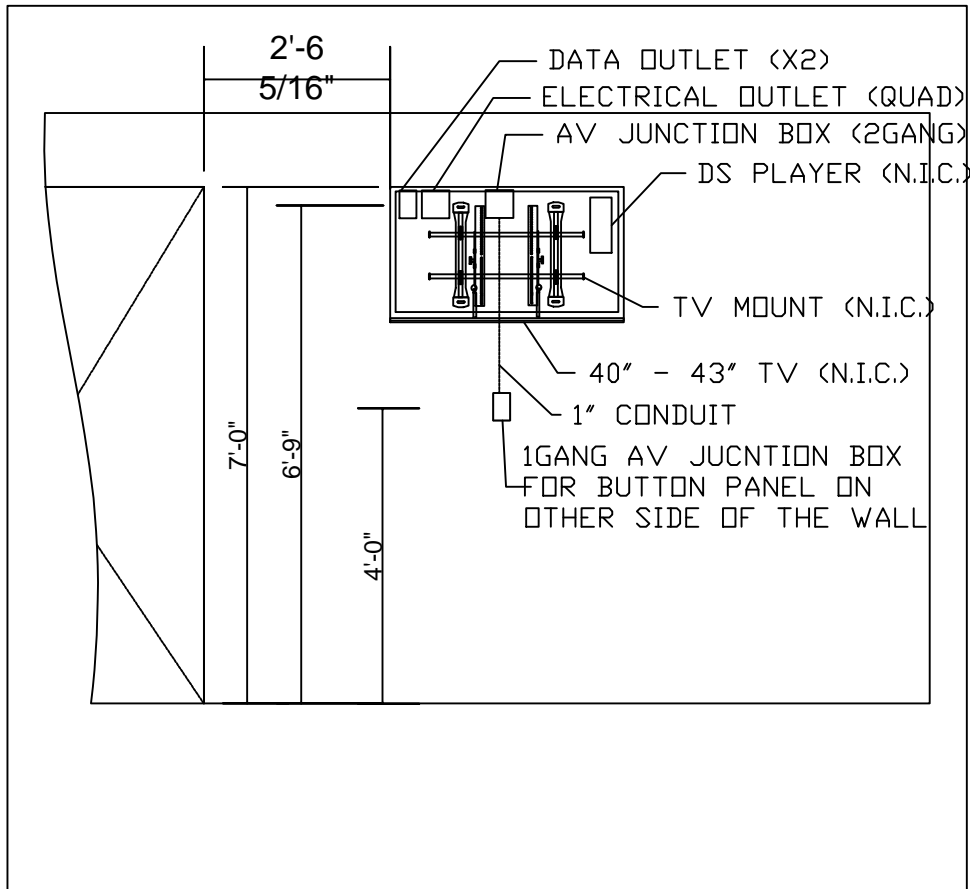
Project
**BUILDING #046
RENOVATIONS**

Drawing Title
**PATHWAYS
DETAILS**

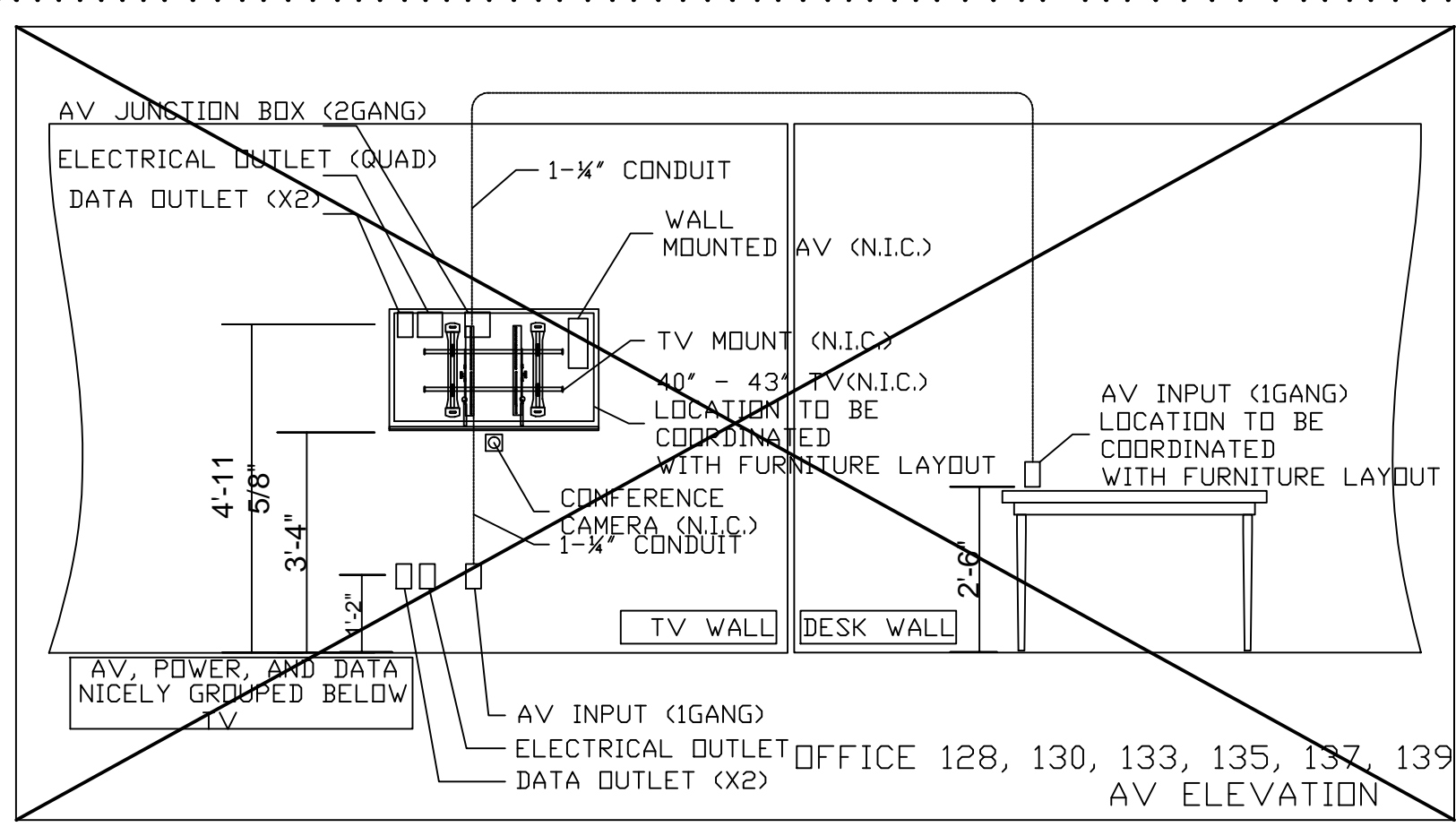
Project No.
504034

Location
**UNIVERSITY OF GUELPH
BUILDING #046**

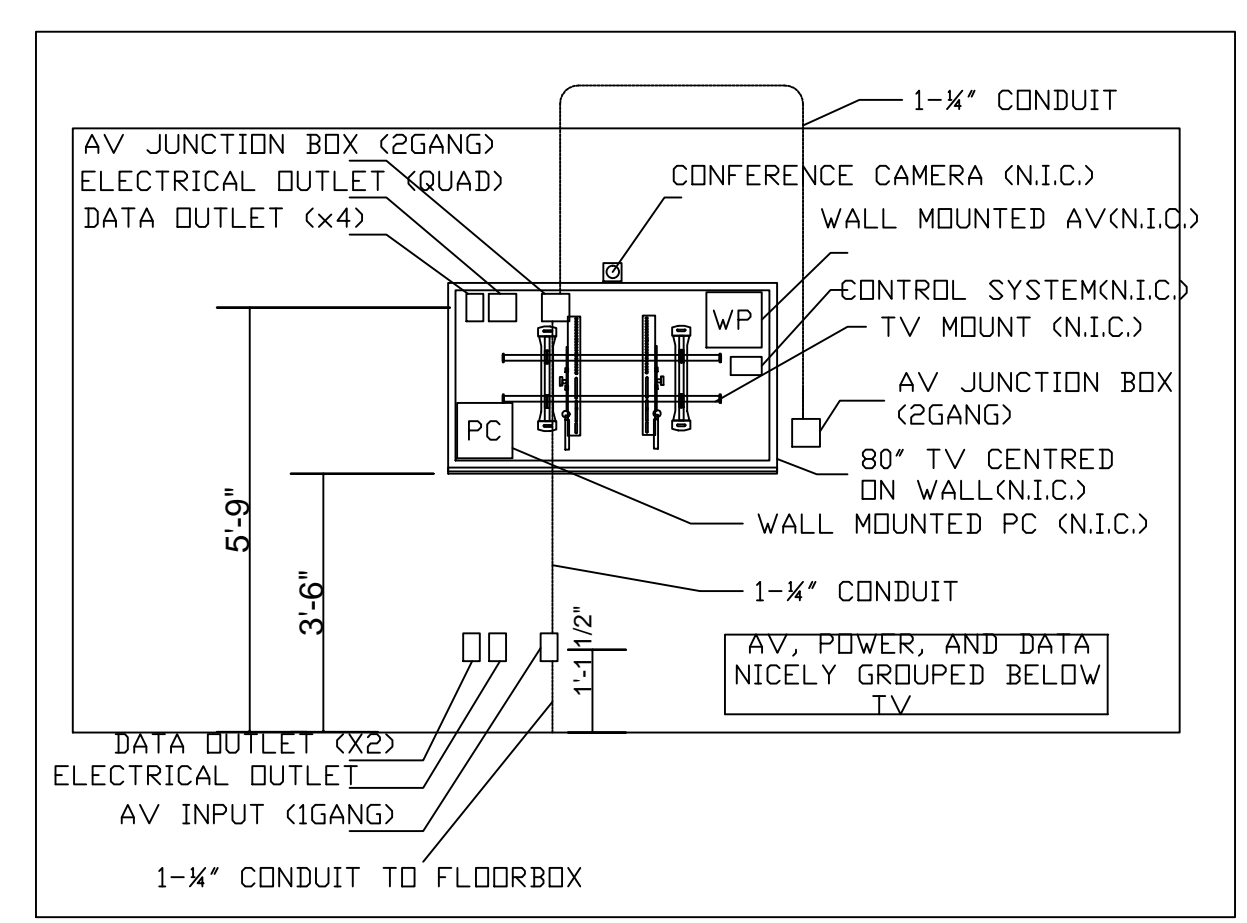
Scale AS SHOWN	Date NOV 2, 2018
Drawn by K.C.	Drawing No. T104 of
Checked By D.C.	
Approved By B.W.	
JLR #	
Cad File No.	



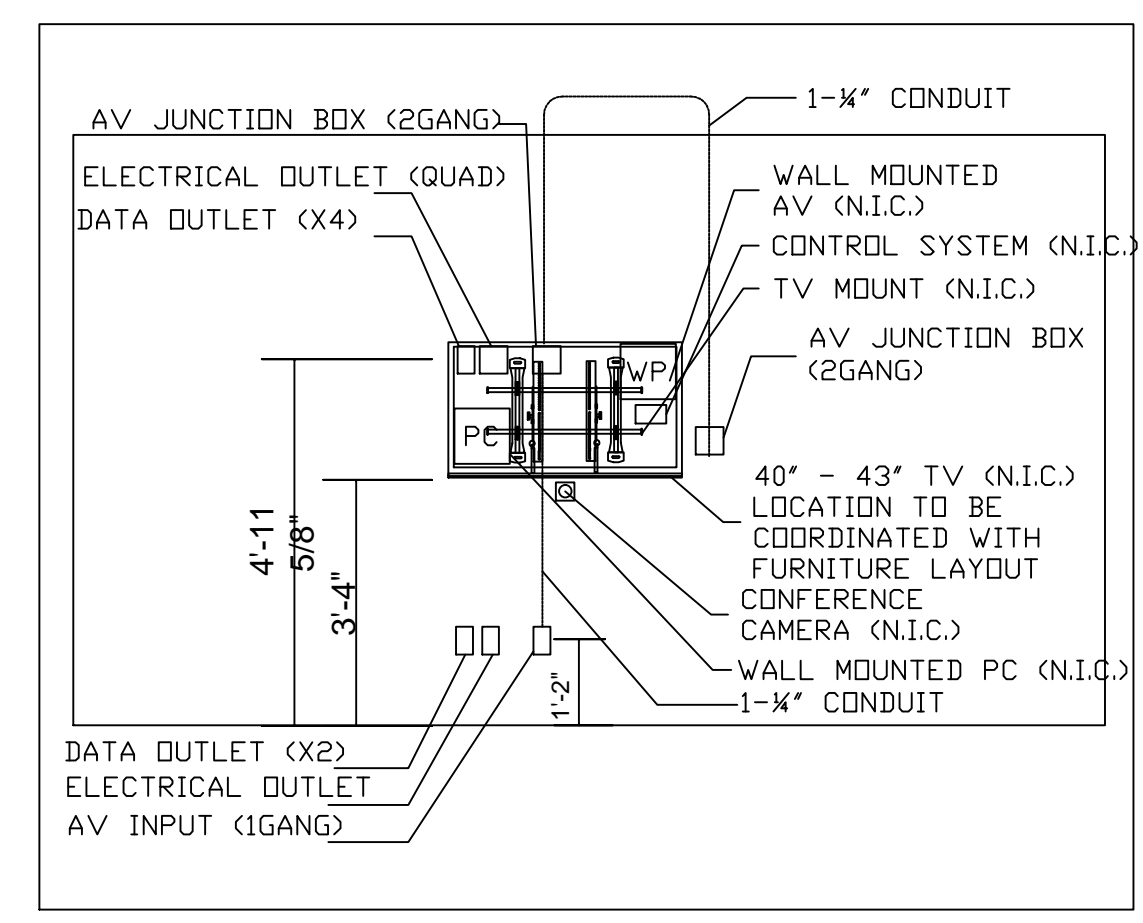
1 WAITING RM 143 AV ELEVATION
T108 SCALE: N.T.S.



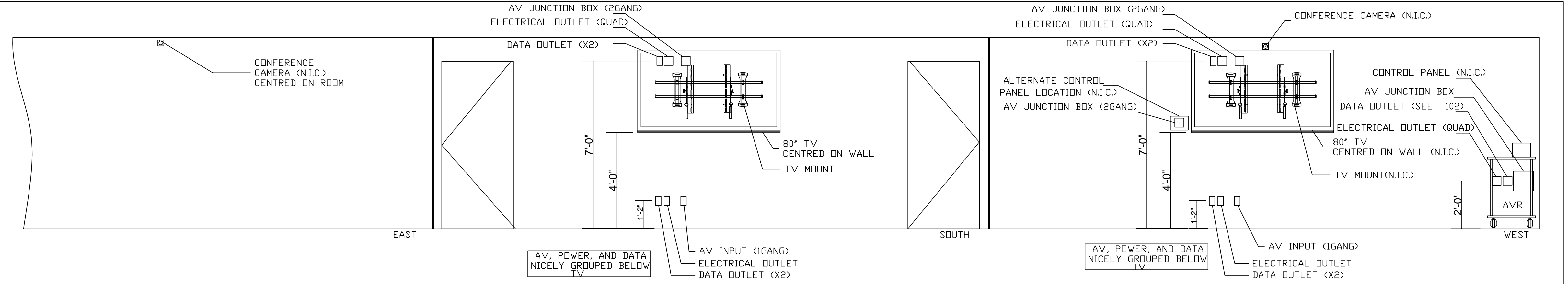
2 OFFICE AV ELEVATIONS
T108 SCALE: N.T.S.



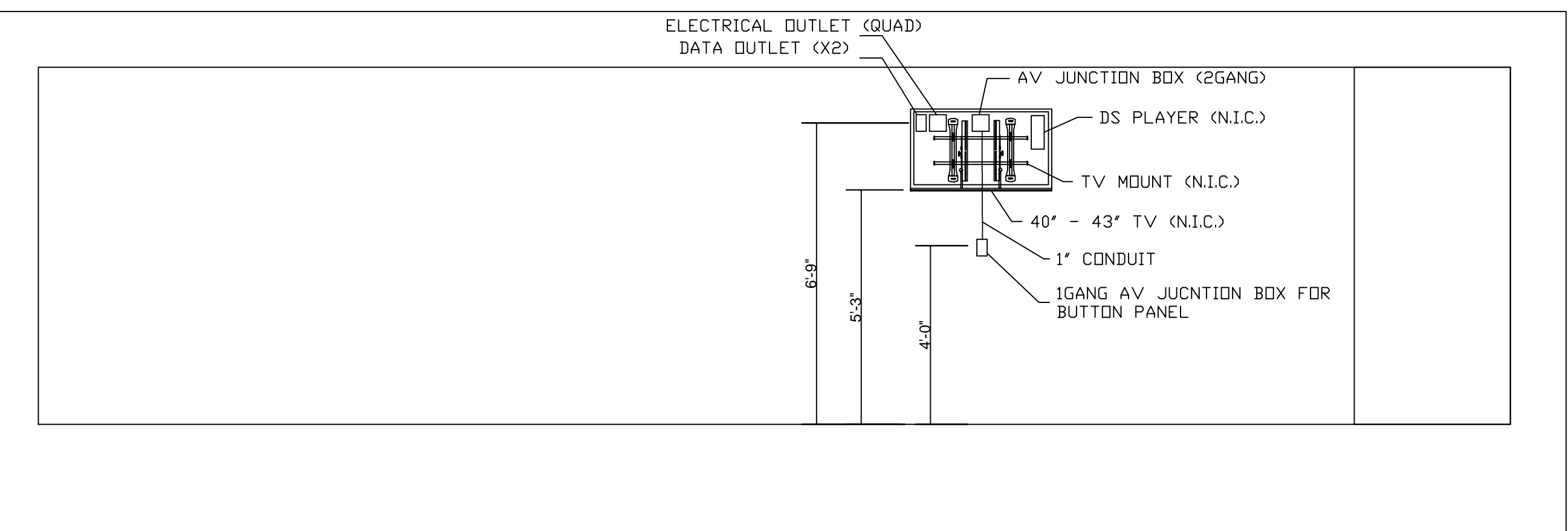
3 THERAPY ROOM 125, 127 AV ELEVATION
T108 SCALE: N.T.S.



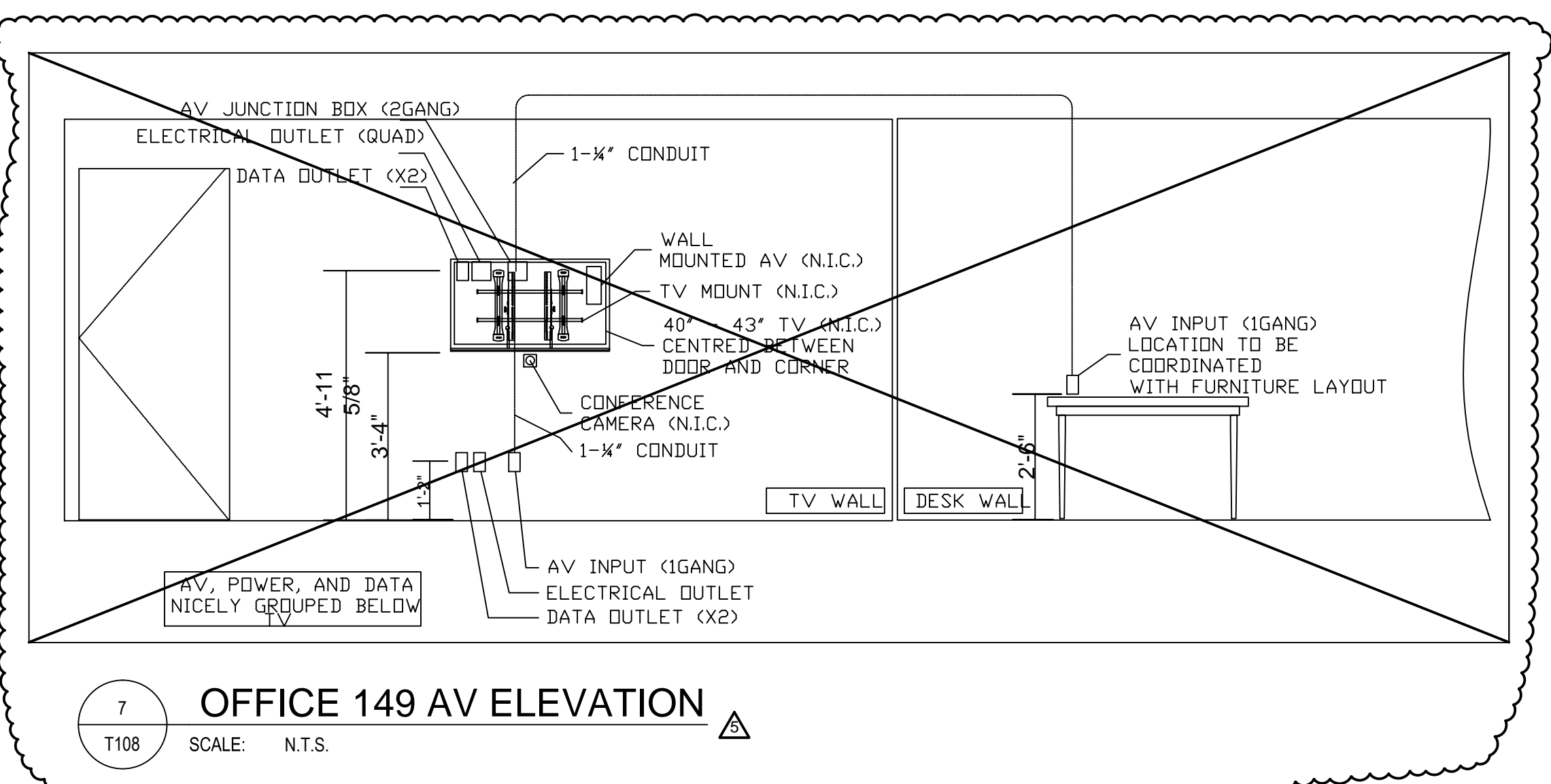
4 RESEARCH SPACE 132 AV ELEVATION
T108 SCALE: N.T.S.



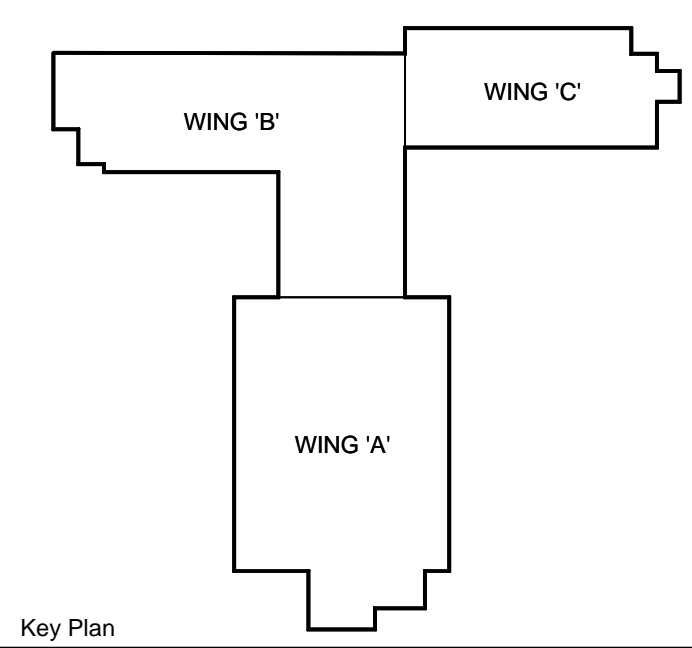
5 LARGE GROUP ROOM 129 AV ELEVATION
T108 SCALE: N.T.S.



6 STUDENT WORK ROOM 136 AV ELEVATION
T108 SCALE: N.T.S.




7 OFFICE 149 AV ELEVATION
T108 SCALE: N.T.S.



Key Plan
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NO.	ISSUED	BY	DATE

Orientation	
Seal	Seal

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Physical Resources
Guelph, Ontario. N1G 2W1

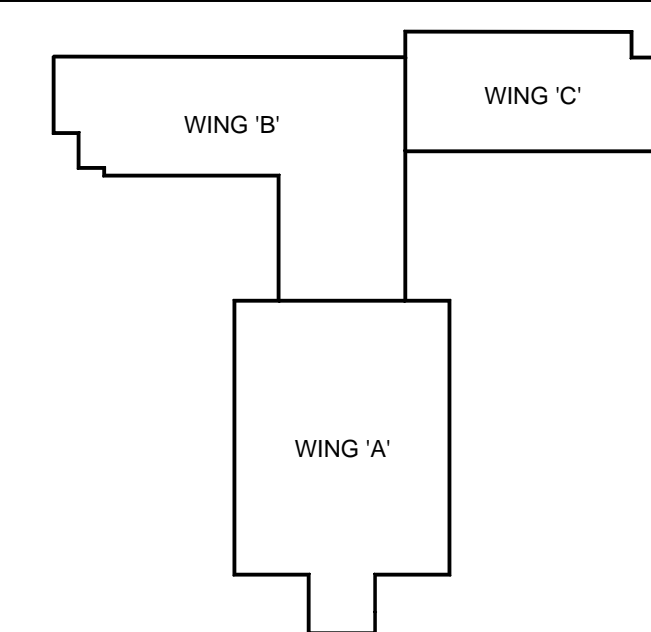
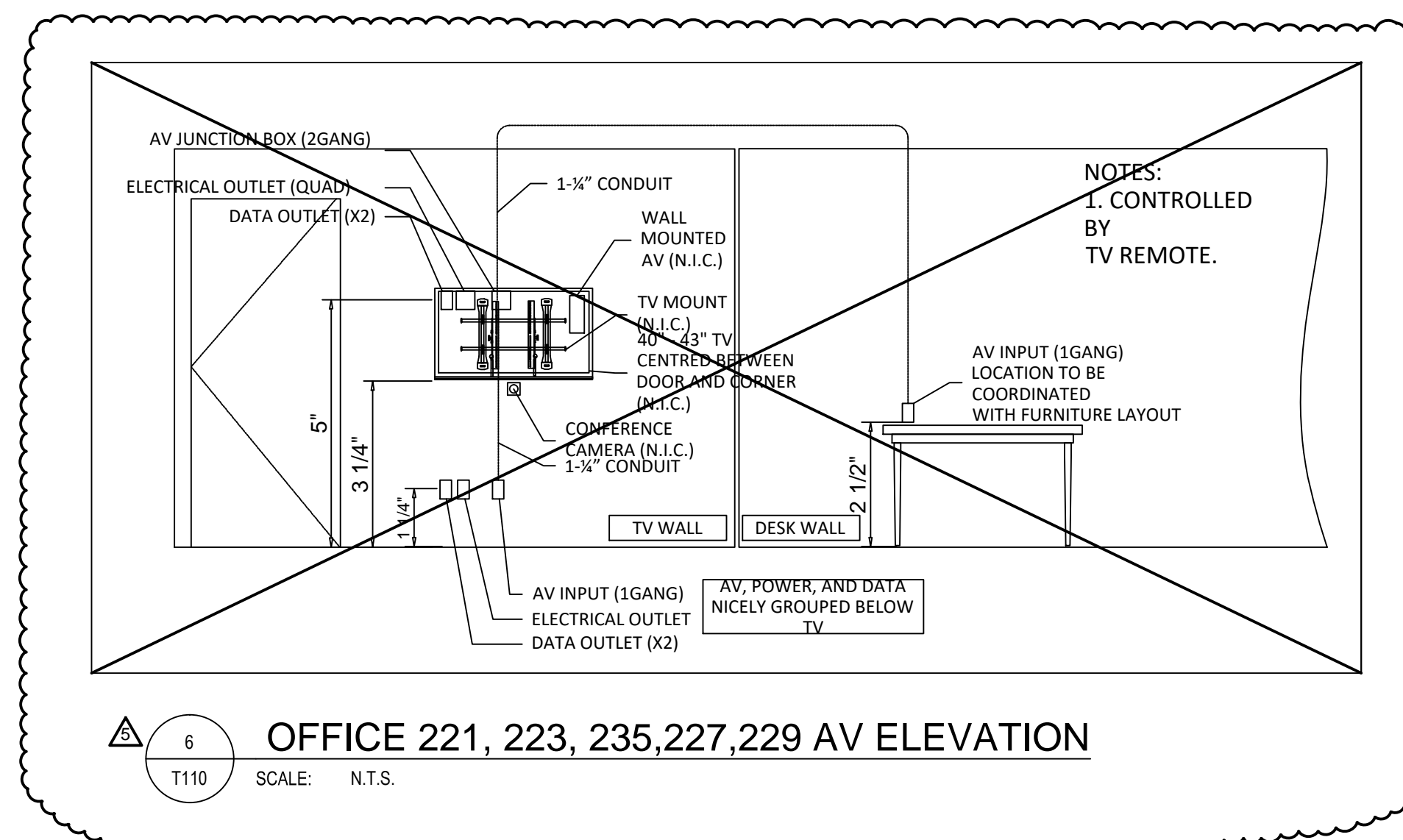
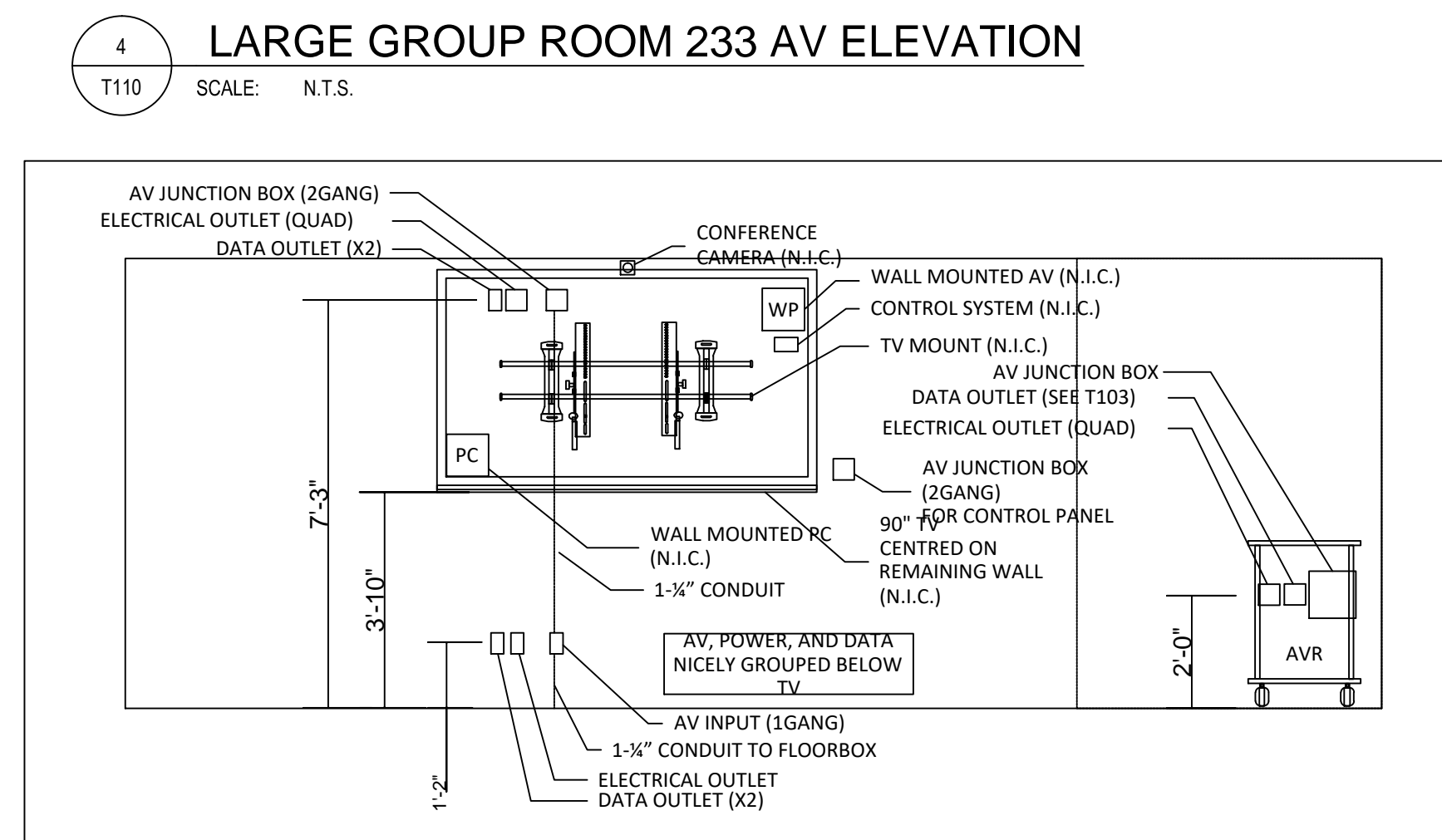
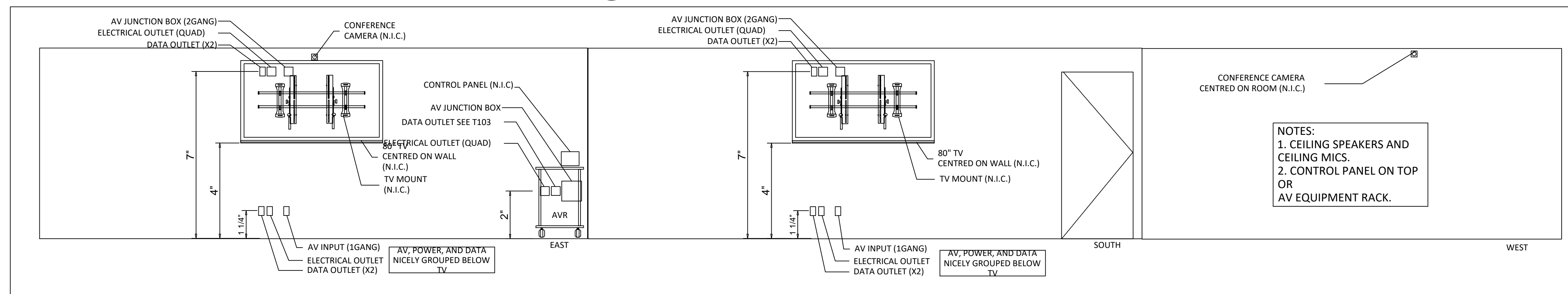
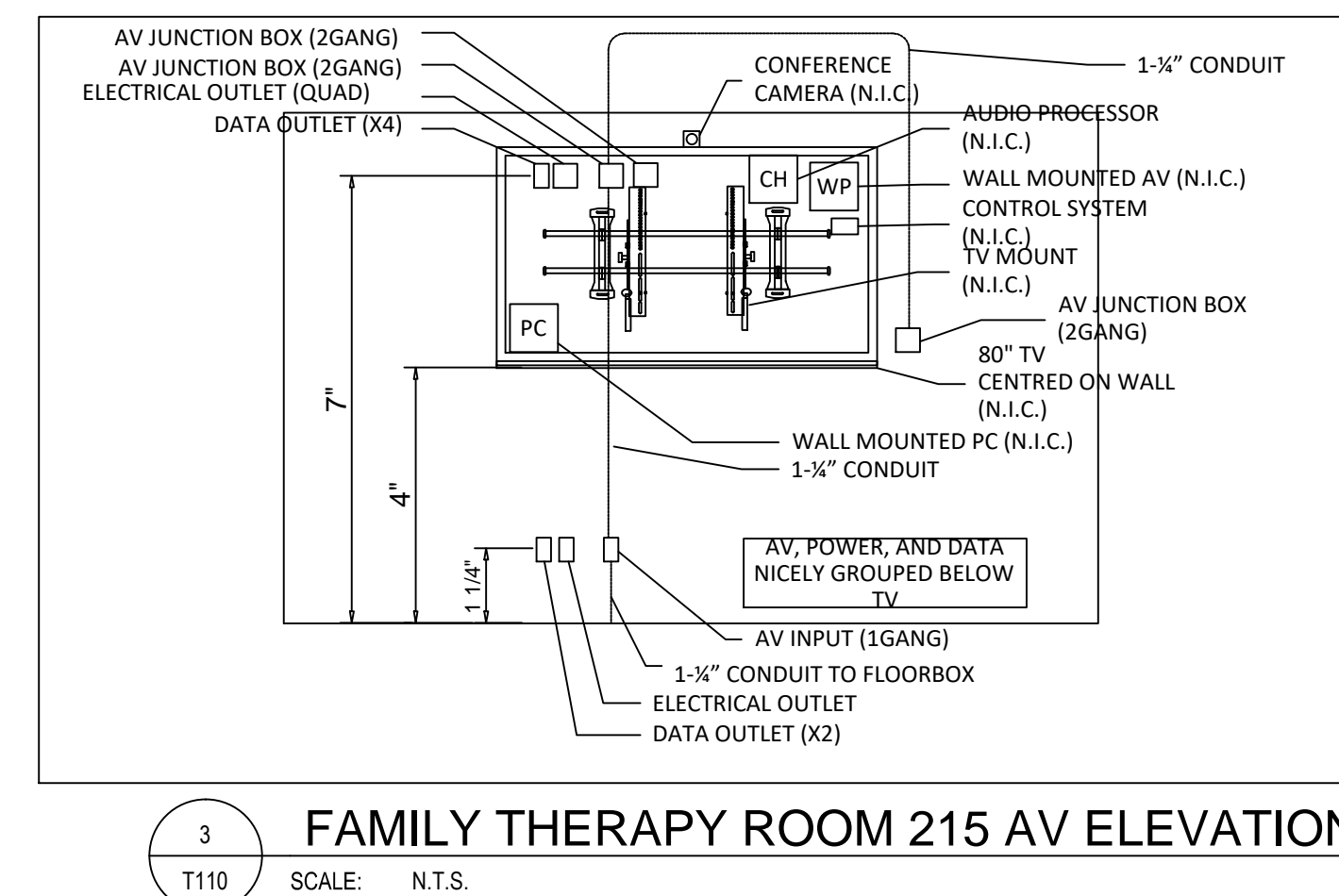
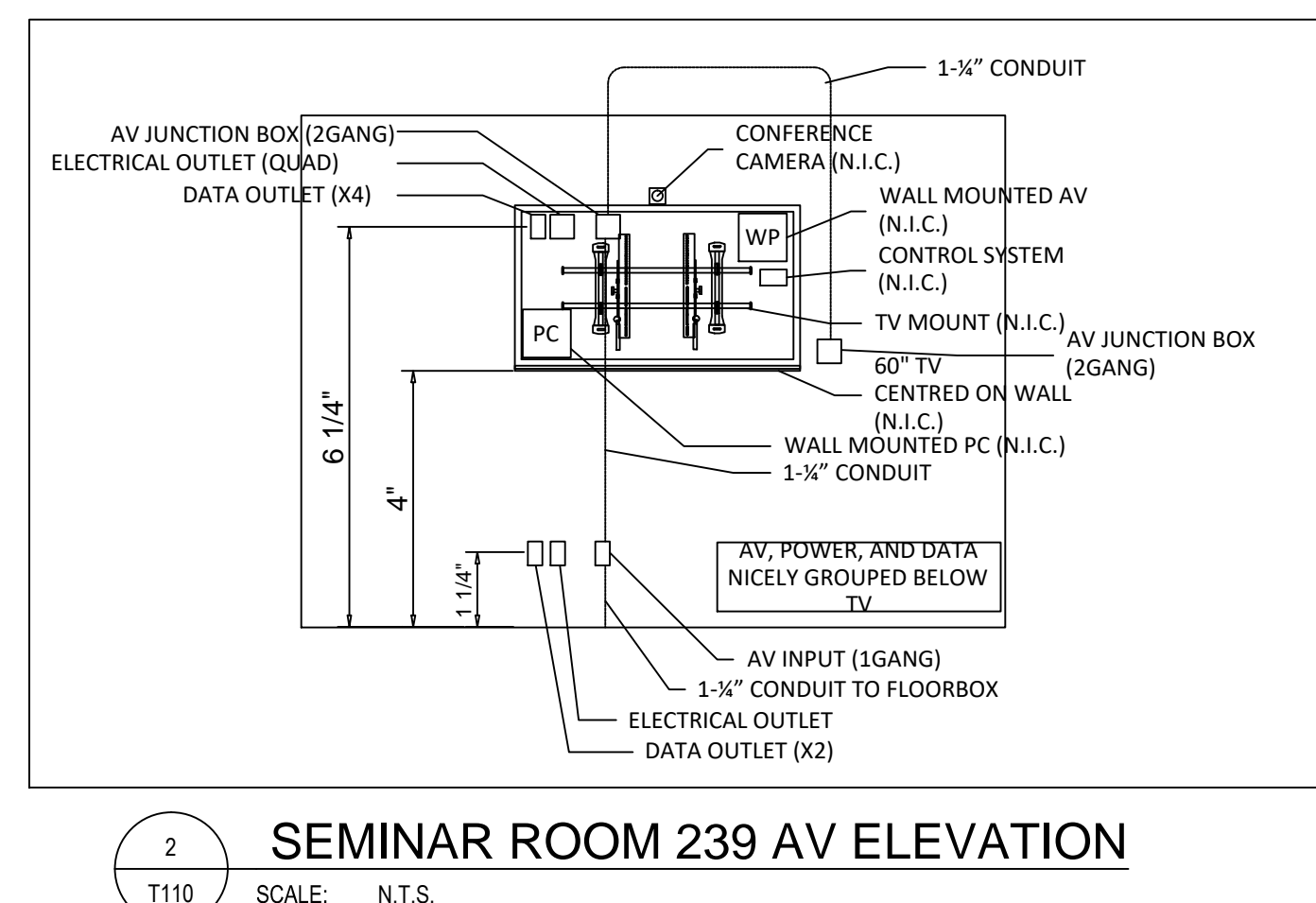
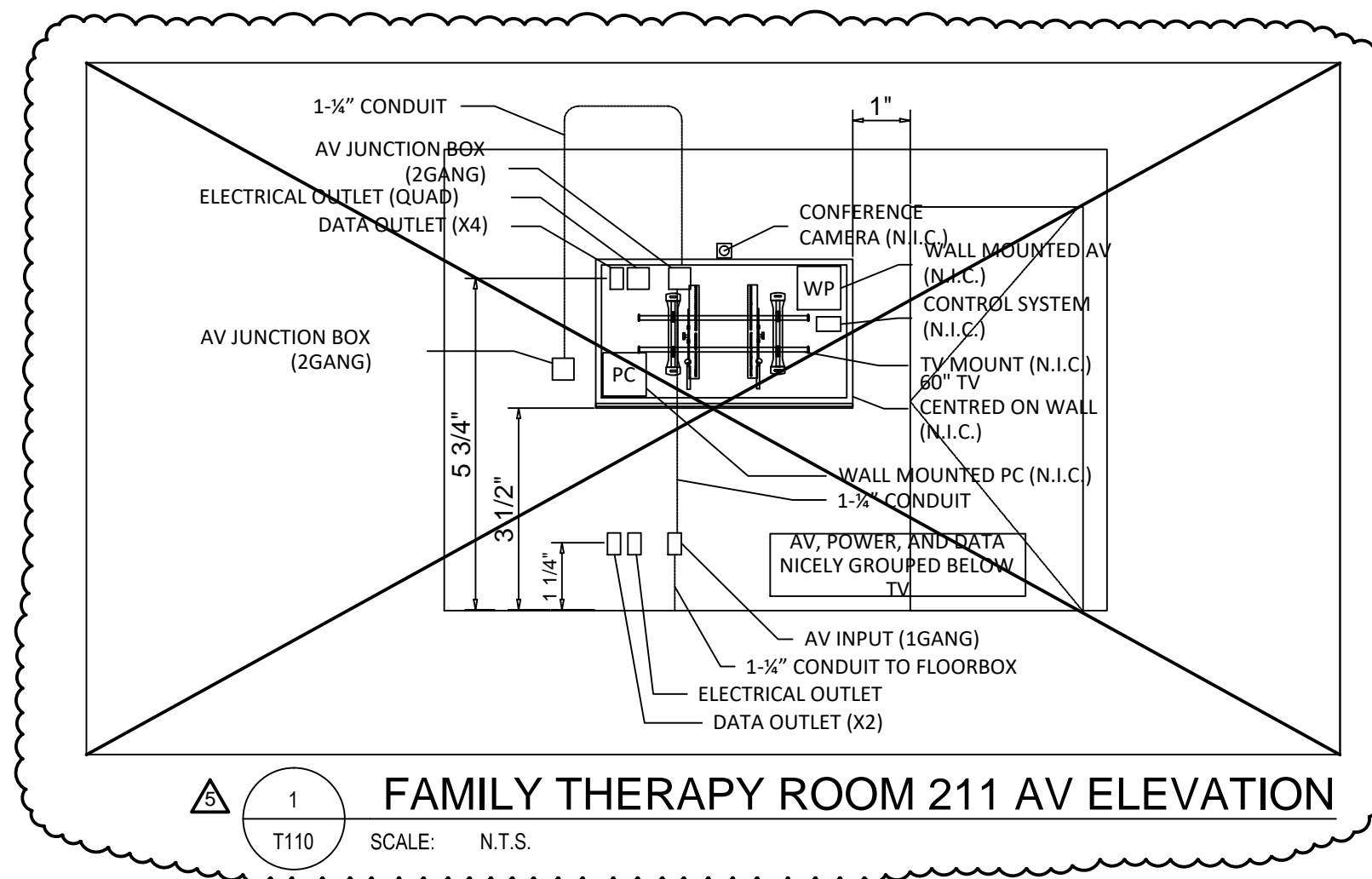
Consultant
J.L. Richards
ENGINEERS - ARCHITECTS - PLANNERS

Project
BUILDING #046
RENOVATIONS
Drawing Title
AV ELEVATIONS
WING B LEVEL 1

Project No.
504034

Location
UNIVERSITY OF GUELPH
BUILDING #046

Scale AS SHOWN	Date NOV 2, 2018
Drawn by K.C.	Drawing No.
Checked By D.C.	
Approved By B.W.	T108
JLR #	of
Cad File No.	



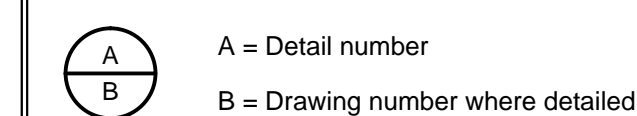
Key Plan


DO NOT SCALE DRAWINGS

Contractors must check and verify all site conditions. Notify the Owner's Representative in writing before proceeding with the work if discrepancies are evident between the drawings and the site condition. No extras to the contract will be allowed if discrepancies were evident prior to start of work.

UNEXPECTED DISCOVERY OF ASBESTOS:

Where a friable material is discovered during construction, renovations and/or demolition, and it is suspected to contain asbestos, the Contractor must stop all work that may disturb the material. The Contractor shall advise the Owner of the discovery and await instructions from the owner.



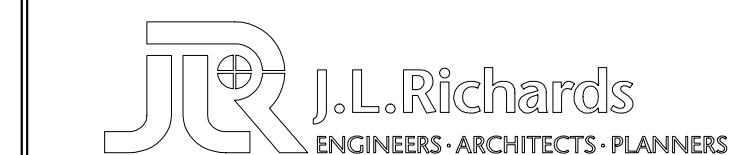
	POST-TENDER ADDENDUM NO.1	TA	FEB. 26, 2019
4	ISSUED FOR PERMIT & TENDER	DC	NOV 2, 2018
3	ISSUED FOR 95% REVIEW	DC	OCT 05, 2018
2	ISSUED FOR 95% REVIEW	DC	SEPT 14, 2018
1	ISSUED FOR 65% REVIEW	TA	JULY 12, 2018
NO.	ISSUED	BY	DATE

Orientation	
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Seal	Seal



Consultant	www.jlrichards.com
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Project

BUILDING #046
RENOVATIONS

Drawing Title

AV ELEVATIONS
WIND B LEVEL 2

Project No.
504034

Location
UNIVERSITY OF GUELPH
BUILDING #046

Scale	AS SHOWN	Date	NOV 2, 2018
Drawn by	K.C.	Drawing No.	T110
Checked By	D.C.		
Approved By	B.W.		
JLR #			of
Card File No.			