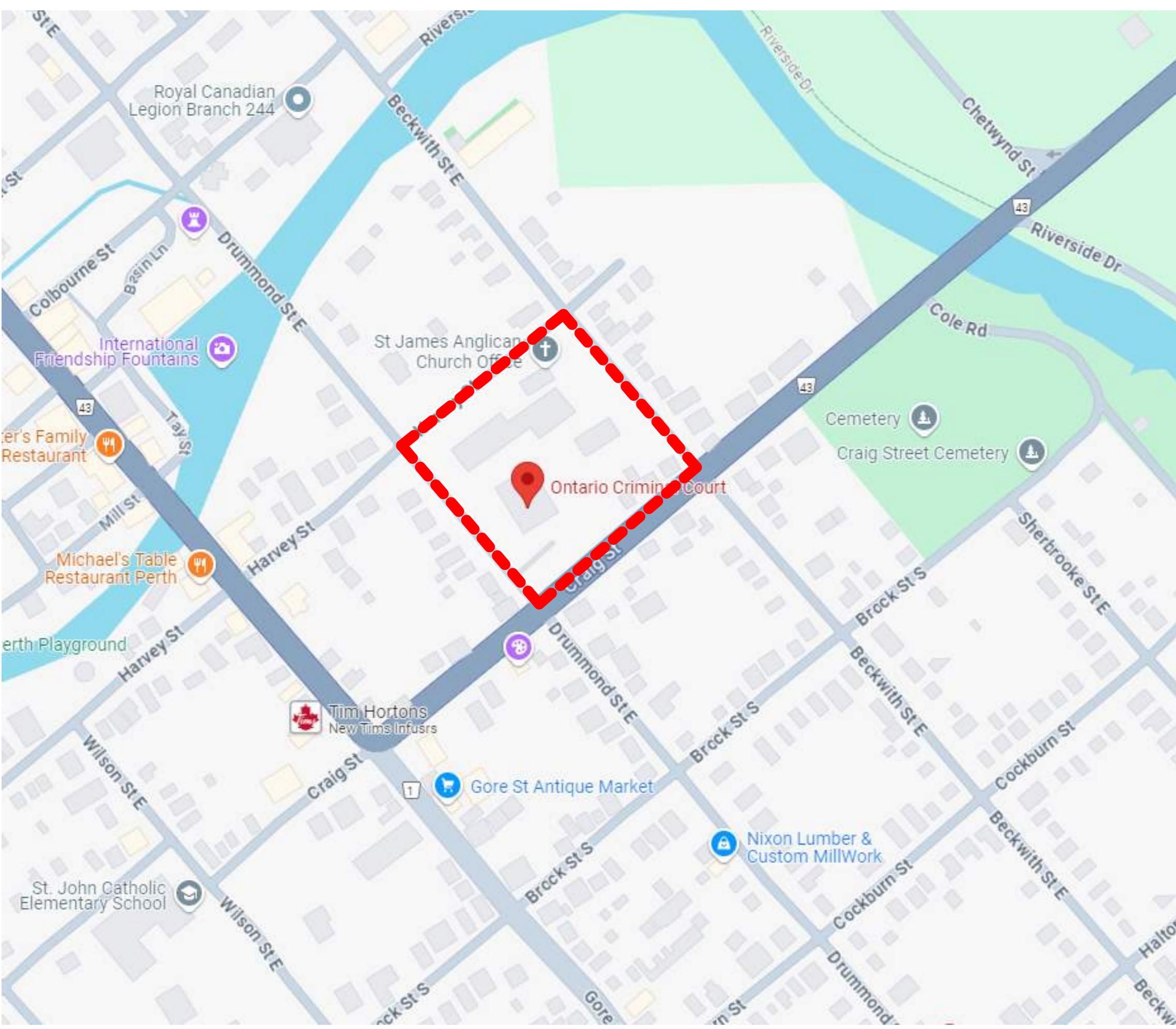


DRAWING LIST - ARCHITECTURAL				
SHEET NUMBER	SHEET NAME	DATE	REVISION	ISSUED FOR
A00-00	COVER SHEET	2025-06-13	0	TENDER/PERMIT
A01-01	GENERAL NOTES, ABBREVIATIONS, SYMBOL LEGEND, DOOR SCHEDULE & LIST OF MATERIALS	2025-06-13	0	TENDER/PERMIT
A20-01	OBG MATRIX, B1, L1, L2 OVERALL FLOOR PLANS & LIFE SAFETY PLAN	2025-06-13	0	TENDER/PERMIT
A60-00	LEVEL 2 DEMOLITION - PHOTOS, FLOOR PLAN & RCP	2025-06-13	0	TENDER/PERMIT
A60-01	LEVEL 2 - ENLARGED FLOOR PLANS & RCP	2025-06-13	0	TENDER/PERMIT
A71-01	DETAILS	2025-06-13	0	TENDER/PERMIT

DRAWING LIST - ELECTRICAL				
SHEET NUMBER	SHEET NAME	DATE	REVISION	ISSUED FOR
E01-00	DRAWING LIST & LEGENDS	2025-06-13	0	TENDER/PERMIT
E07-01	TYPICAL DETAILS & PANEL SCHEDULE	2025-06-13	0	TENDER/PERMIT
E10-01	ELECTRICAL LAYOUTS	2025-06-13	0	TENDER/PERMIT

DRAWING LIST - MECHANICAL				
SHEET NUMBER	SHEET NAME	DATE	REVISION	ISSUED FOR
M51-00	MECHANICAL LEGEND, SCHEDULE AND LEVEL 2 HVAC PART PLAN	2025-06-13	0	TENDER/PERMIT



SITE LOCATION MAP - 43 Drummond St E, Perth ON K7H 1G1

MAG Justice Video Technology Program Phase 3

IO PROJECT NUMBER: 230601

PERTH COURTHOUSE

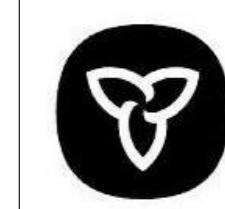
43 Drummond St E, Perth ON K7H 1G1

BUILDING NUMBER: B20016

SITE NUMBER: N02556

		ISSUE DATE	ISSUED	MAG SIGN OFF	COMMENTS
SCHEMATIC DESIGN					
	ARCHITECTURAL	2024-10-25	X	2024-11-21	
	ACOUSTIC BASIS OF DESIGN REPORT	2025-01-08	X		
DESIGN DEVELOPMENT					
	ARCHITECTURAL	2024-12-13	X	2025-02-10	
	ELECTRICAL	2024-12-13	X	2025-02-10	
	MECHANICAL	2024-12-13	X	2025-02-10	
	SECURITY				
	CLASS D COST ESTIMATE	2025-03-20	X		
	ACOUSTIC REPORT	2025-03-14	X		
	JVN A/V DRAWINGS	2023-12-01	X		
CONSTRUCTION DOCUMENTS AND PERMIT APPLICATION					
	ARCHITECTURAL	2025-04-04	X	2025-05-06	
	ELECTRICAL	2025-04-04	X	2025-05-06	
	MECHANICAL	2025-04-04	X	2025-05-06	
	SPECIFICATIONS				
	SECURITY				
	CLASS B COST ESTIMATE	2025-05-12	X		
	ACOUSTIC REPORT				
	JVN A/V DRAWINGS	2023-12-01	X		
TENDER / PERMIT					
	ARCHITECTURAL	2025-06-13	X		
	ELECTRICAL	2025-06-13	X		
	MECHANICAL	2025-06-13	X		
	SPECIFICATIONS				
	SECURITY				
	CLASS A COST ESTIMATE	2025-08-19			
	DSS REPORT				
	JVN A/V DRAWINGS				
CONSTRUCTION					
	ARCHITECTURAL				
	ELECTRICAL				
	MECHANICAL				

CLIENT

 **Infrastructure Ontario**

MINISTRY OF SOLICITOR GENERAL

 **Ontario**
Ministry of the Attorney General

JUSTICE VIDEO NETWORK

PROJECT TEAM

ARCHITECT, MECHANICAL, ELECTRICAL

 **NORR**
175 Bloor Street East, Toronto, ON M4W 3R8
TEL: 416-929-0200

SECURITY CONSULTANT

 **LOBO Security Consulting**
5155 Spectrum Way, Unit #13, Mississauga, ON, L4W 5A1
TEL: 905-502-1234

CODE CONSULTANT

 **SENEZ co. FIRE SCIENCE & ENGINEERING**
Suite 102 – 93 Skyway Ave., Toronto, ON, M9W 6N6
TEL: 647-499-6565

HARDWARE CONSULTANT

 **Spyder SC**
26 Dale Cres, Cookstown ON L0L 1L0
TEL: 647-271-6489

ACOUSTIC CONSULTANT

 **Thornton Tomasetti**
23-366 Revus Avenue, Mississauga, ON L5G 4S5
TEL: 905-271-7888

COST CONSULTANT

 **Altus Group**
1545 Carling Avenue, Suite 600, Ottawa, ON K1Z 8P9
TEL: 613-721-1333

Drawing Title

COVER SHEET

Drawing No.

A00-00

NORR PROJECT NO: JU1024-0033-00

ONTARIO BUILDING CODE 2024 DATA MATRIX

Revised: 2018-03-05

PART 3 - FIRE PROTECTION, OCCUPANT SAFETY AND ACCESSIBILITY

OBC REFERENCE [1]

Name of Practice	NORR Architects & Engineers Limited						
Address 1	175 Bloor Street East, North Tower, 15th Floor						
Address 2	Toronto, ON M4W 3R8						
Contact	Valdemar Nickel						
Name of Project	MAG Justice Video Technology Program - Perth Courthouse						
Location/Address	43 Drummond St E, Perth ON K7H 1G1						
Date							
3.00 BUILDING CODE VERSION	O Reg. 332/12	LAST AMENDMENT: O Reg. 88/19					
3.01 PROJECT TYPE	Renovation	[A] 1.1.2.					
	Construct new furring walls and facilitate installation of AWP-1 in Interview Room. Facilitate installation of Privacy Booth / Interview Room on level 2.						
3.02 MAJOR OCCUPANCY CLASSIFICATION	OCCUPANCY	USE	3.1.2.1.(1)				
	A2	Other assembly occupancies	Courthouse				
3.03 SUPERIMPOSED MAJOR OCCUPANCIES	NO		3.2.2.7.				
3.04 BUILDING AREA (m²)	DESCRIPTION	EXISTING	NEW	TOTAL	[A] 1.4.1.2.		
	No change to base building	Unchanged	0.00				
	TOTAL						
3.05 GROSS AREA (m²)	DESCRIPTION	EXISTING	NEW	TOTAL	[A] 1.4.1.2.		
	No change to base building	Unchanged	0.00				
	TOTAL						
3.06 MEZZANINE AREA (m²)	DESCRIPTION	EXISTING	NEW	TOTAL	3.2.1.1.		
	No change to base building	0.00	0.00				
	TOTAL						
3.07 BUILDING HEIGHT	2 STOREYS ABOVE GRADE	No change to base building height		[A] 1.4.1.2. &			
	1 STOREYS BELOW GRADE	3.2.1.1.					
3.08 HIGH BUILDING	No change to base building high building classification			3.2.6.			
3.09 NUMBER OF STREETS/FIRE FIGHTER ACCESS	No change to base building number of streets			3.2.2.10. & 3.2.5.			
3.10 BUILDING CLASSIFICATION	No change to base building classification			3.2.2.20-83			
3.11 SPRINKLER SYSTEM	No change to base building sprinkler system			3.2.1.5. &			
3.12 STANDPIPE SYSTEM	No change to base building standpipe system			3.2.9.			
3.13 FIRE ALARM SYSTEM	Required	TYPE PROVIDED: Two Stage		3.2.4.			
3.14 WATER SERVICE/SUPPLY IS ADEQUATE	No change to base building water supply						
3.15 CONSTRUCTION TYPE	RESTRICTIONS	No change to base building construction type		3.2.2.20-83.			
	ACTUAL	Noncombustible		NO	3.2.1.4.		
3.16 IMPORTANCE CATEGORY	Normal	No change to base building importance category		4.1.8.1(1)	4.1.2.1.(3), T4.1.2.1.B.		
3.17 SEISMIC HAZARD INDEX	No change to base building seismic hazard index						
3.18 OCCUPANT LOAD	FLOOR LEVEL/AREA	OCCUPANCY TYPE	BASED ON	OCCUPANT LOAD (PERSONS)	3.1.17.		
	No change to base building	A2	m² per person				
	TOTAL						
3.19 BARRIER-FREE DESIGN	Yes				3.8.		
3.20 HAZARDOUS SUBSTANCES	No				3.3.1.2. & 3.3.1.19.		
3.21 REQUIRED FIRE RESISTANCE RATINGS	HORIZONTAL ASSEMBLY	RATING (H)	SUPPORTING ASSEMBLY (H)	NONCOMBUSTIBLE IN LIEU OF RATING?	3.2.2.4-83, T3.2.1.4.		
	FLoORS	No change to base building fire resistance ratings					
3.22 SPATIAL SEPARATION	WALL AREA (m²)	L.D. (m)	LH OR HL REQUIRED FRR (H)	CONSTRUCTION TYPE	CLADDING TYPE 3.2.3.		
	No change to existing building faces						
3.23 PLUMBING FIXTURE...	Plumbing fixtures not applicable to this permit; existing plumbing fixtures provided elsewhere in existing building				3.7.4.		
3.24 ENERGY EFFICIENCY	No change to base building energy...						
3.25 NOTES							

1 ALL REFERENCES ARE TO DIVISION B OF THE OBC UNLESS PRECEDED BY (A) FOR DIVISION C

August 2018

ONTARIO BUILDING CODE 2024 DATA MATRIX

Revised: 2018-03-05

PART 11 - RENOVATION OF EXISTING BUILDING

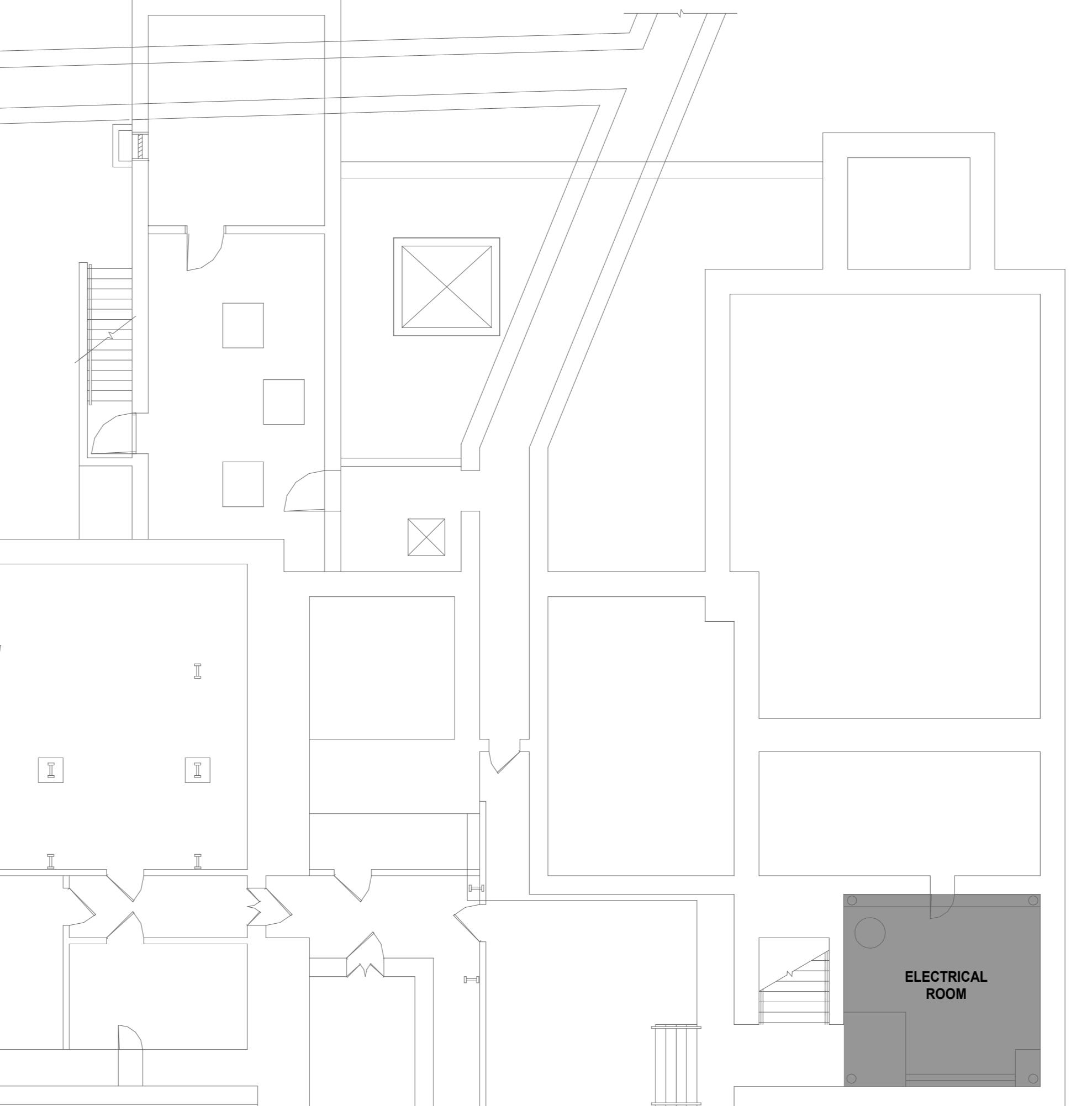
OBC REFERENCE [1]

Name of Practice	NORR Architects & Engineers Limited				
Address 1	175 Bloor Street East, North Tower, 15th Floor				
Address 2	Toronto, ON M4W 3R8				
Contact	Valdemar Nickel				
Name of Project	MAG Justice Video Technology Program - Perth Courthouse				
Location/Address	43 Drummond St E, Perth ON K7H 1G1				
Date					
11.00 BUILDING CODE VERSION	O Reg. 332/12	LAST AMENDMENT: O Reg. 88/19			
11.01 PROJECT TYPE	Renovation	[A] 1.1.2.			
	Construct new furring walls and facilitate installation of AWP-1 in Interview Room. Facilitate installation of Privacy Booth / Interview Room on level 2.				
11.02 MAJOR OCCUPANCY CLASSIFICATION	OCCUPANCY	USE	3.1.2.1.(1)		
	A2	Other assembly occupancies	Courthouse		
11.03 SUPERIMPOSED MAJOR OCCUPANCIES	NO		3.2.2.7.		
11.04 BUILDING AREA (m²)	DESCRIPTION	EXISTING	NEW	TOTAL	[A] 1.4.1.2.
	No change to base building	Unchanged	0.00		
	TOTAL				
11.05 BUILDING HEIGHT	2 STOREYS ABOVE GRADE	No change to base building height		[A] 1.4.1.2. &	
	1 STOREYS BELOW GRADE	3.2.1.1.			
11.06 NUMBER OF STREETS/FIRE FIGHTER ACCESS	No change to base building number of streets			3.2.2.10. & 3.2.5.	
11.07 BUILDING SIZE	LARGE	No change to base building size		T.11.2.1.B-N.	
11.08 EXISTING BUILDING CLASSIFICATION	CHANGE IN MAJOR OCCUPANCY	NO	NO	NO change	11.2.1.1.
	CONSTRUCTION INDEX	NOT APPLICABLE			T.11.2.1.A.
	HAZARD INDEX	NOT APPLICABLE			T.11.2.1.B-N.
	IMPORTANCE CATEGORY	Normal			11.2.1.1.
11.09 RENOVATION TYPE	BASIC RENOVATION				11.3.3.1. & 11.3.3.2.
11.10 OCCUPANT LOAD	FLOOR LEVEL/AREA	OCCUPANCY TYPE	BASED ON	OCCUPANT LOAD (PERSONS)	3.1.17.
	No change to base building	A2	m² per person		
	TOTAL				
11.11 PLUMBING FIXTURE REQUIREMENTS	Plumbing fixtures not applicable to this permit; existing plumbing fixtures provided elsewhere in existing building				3.7.4.
11.12 BARRIER-FREE DESIGN	Yes				11.3.3.2.(2)
11.13 REDUCTION IN PERFORMANCE LEVEL	STRUCTURAL	NO			11.4.2.1.
	INCREASE IN OCCUPANT LOAD	NO			11.4.2.2.
	CHANGE OF MAJOR OCCUPANCY	NO			11.4.2.3.
	PLUMBING	NO			11.4.2.4.
	SEWAGE	NO			11.4.2.5.
11.14 COMPENSATING CONSTRUCTION	STRUCTURAL	N/A			11.4.3.2.
	INCREASE IN OCCUPANT LOAD	N/A			11.4.3.3.
	CHANGE OF MAJOR OCCUPANCY	N/A			11.4.3.4.
	PLUMBING	N/A			11.4.3.5.
	SEWAGE	N/A			11.4.3.6.
11.15 COMPLIANCE ALTERNATIVES PROPOSED	N/A				11.5.1.
11.16 NOTES	1 ALL REFERENCES ARE TO DIVISION B OF THE OBC UNLESS PRECEDED BY (A) FOR DIVISION A AND (C) FOR DIVISION C				

October 2016

Ontario Building Code Data Matrix, Part 11

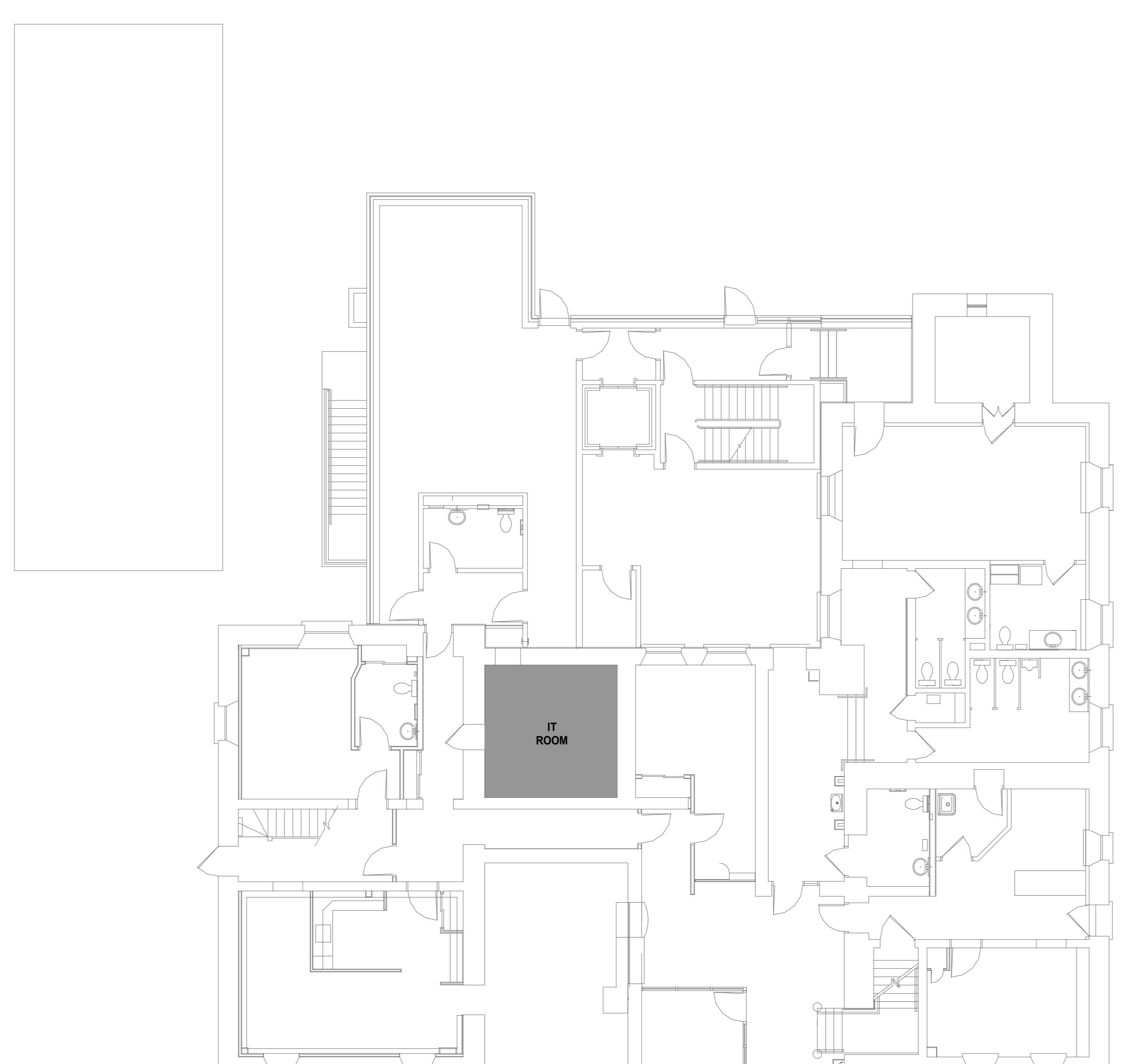
© Ontario Association of Architects



3 LEVEL B1 - OVERALL FLOOR PLAN

A20-01

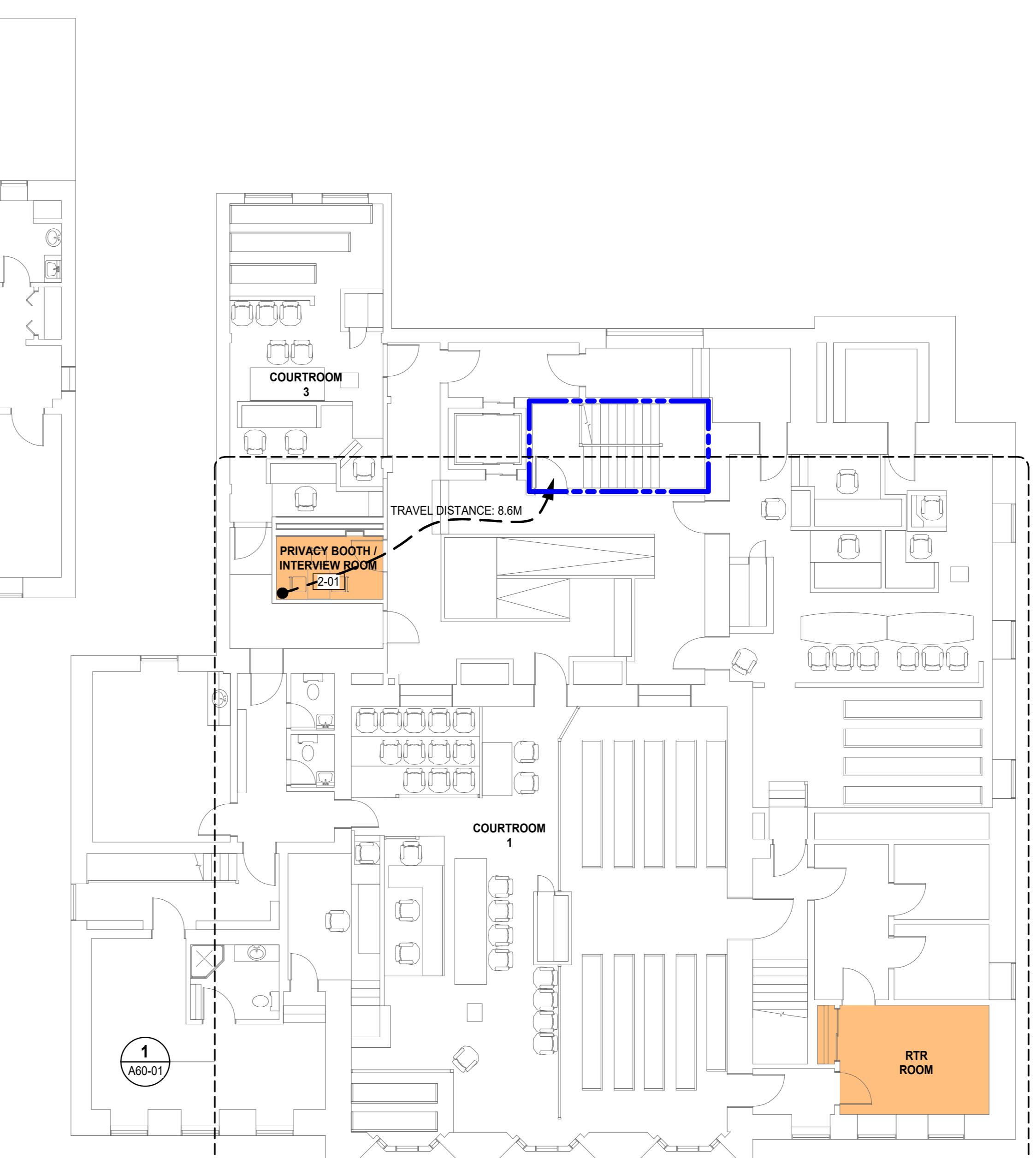
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2 LEVEL 1 - OVERALL FLOOR PLAN

A20-01

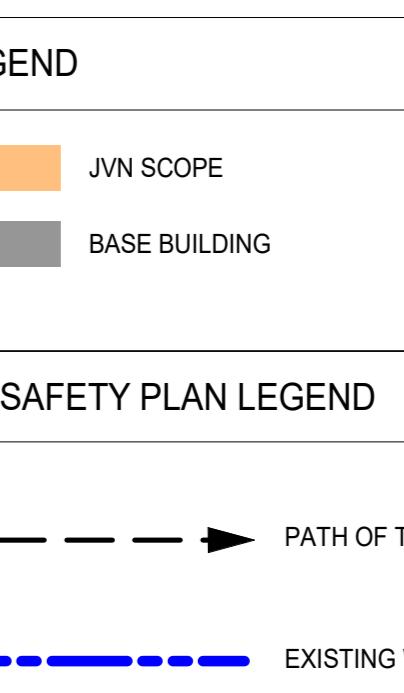
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1 LEVEL 2 - OVERALL FLOOR PLAN / LIFE SAFETY PLAN

A20-01

SCALE: 1:100



LEGEND

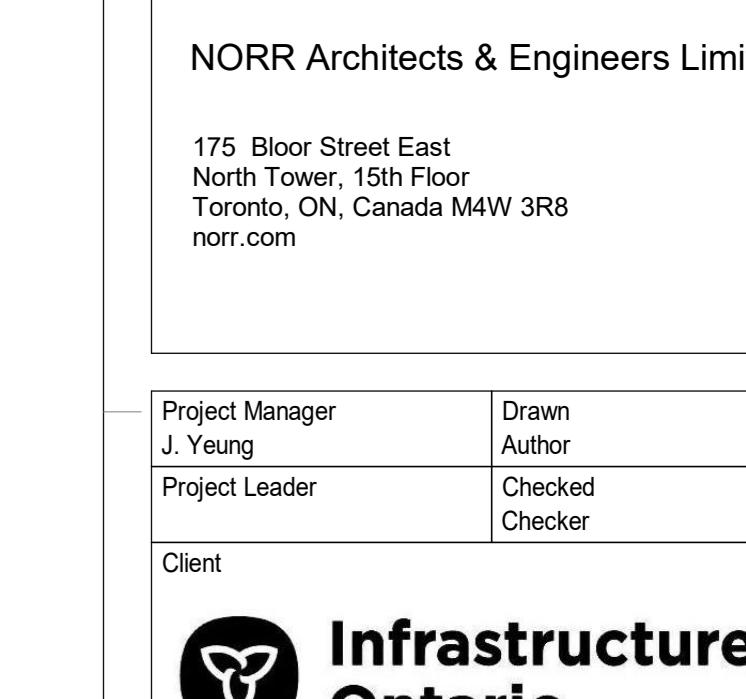
JVN SCOPE

BASE BUILDING

LIFE SAFETY PLAN

PATH OF TRAVEL TO EXIT

EXISTING WALLS, ASSUMED 2 HOUR FIRE RATING



Infrastructure Ontario

CLIENT ADDRESS

Project

MAG Justice Video

Technology Program Phase

3

PERTH COURTHOUSE

43 Drummond St E, Perth ON K7H 1G1

Drawing Title

OBG MATIX, B1, L1, L2

OVERALL FLOOR PLANS &

LIFE SAFETY PLAN

Building No.

B20016

Site No.

N0256

Scale

1 : 100

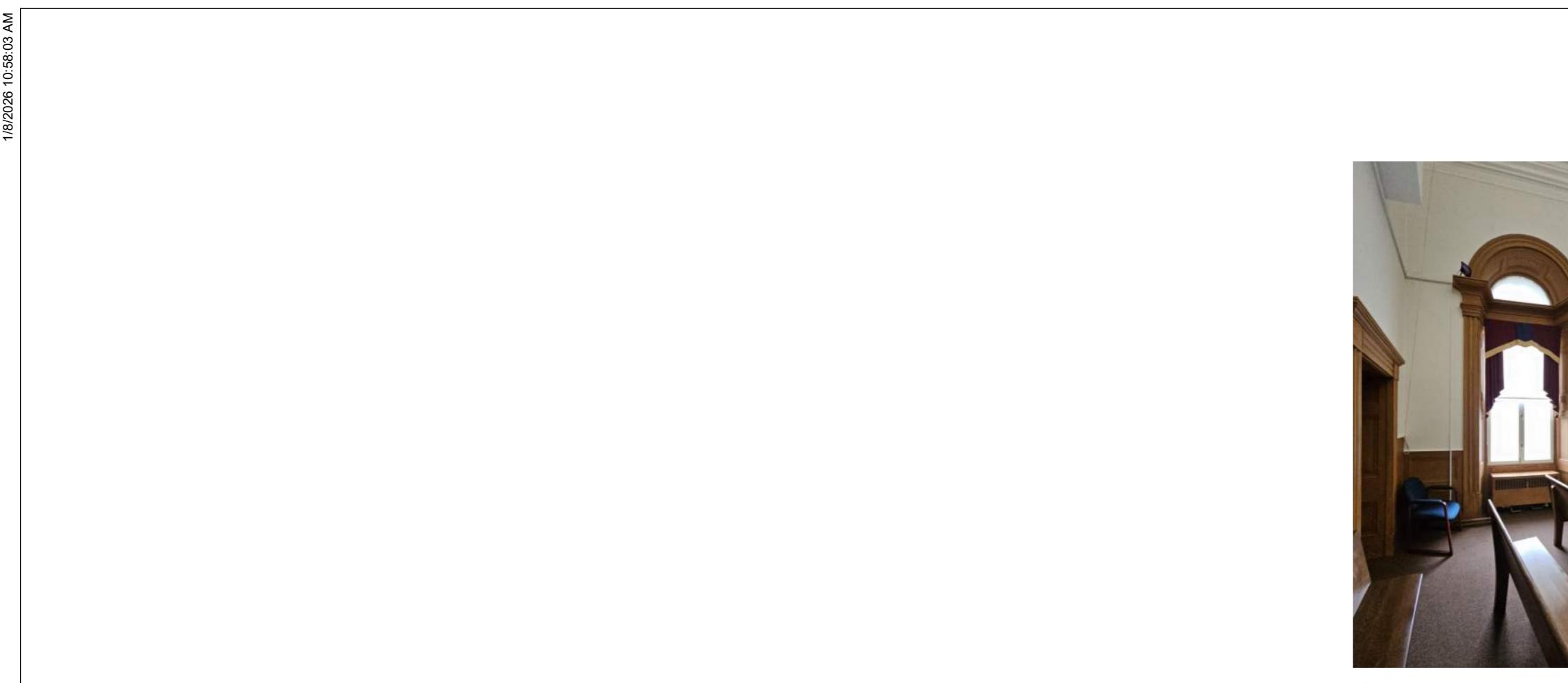
Project No.

JU1024-0033-00

Drawing No.

A20-01

ISO A1 Size



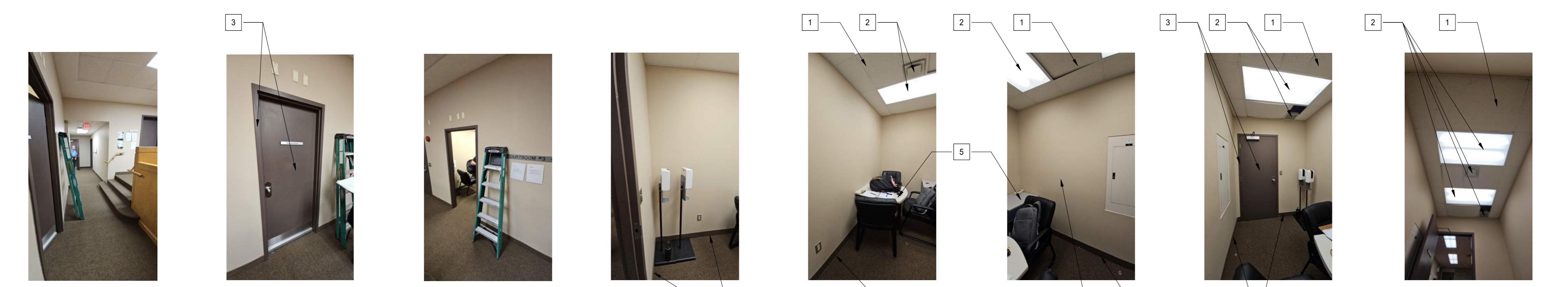
LEVEL 2 - DEMOLITION REFLECTED CEILING PLAN - INTERVIEW ROOM

A60-00

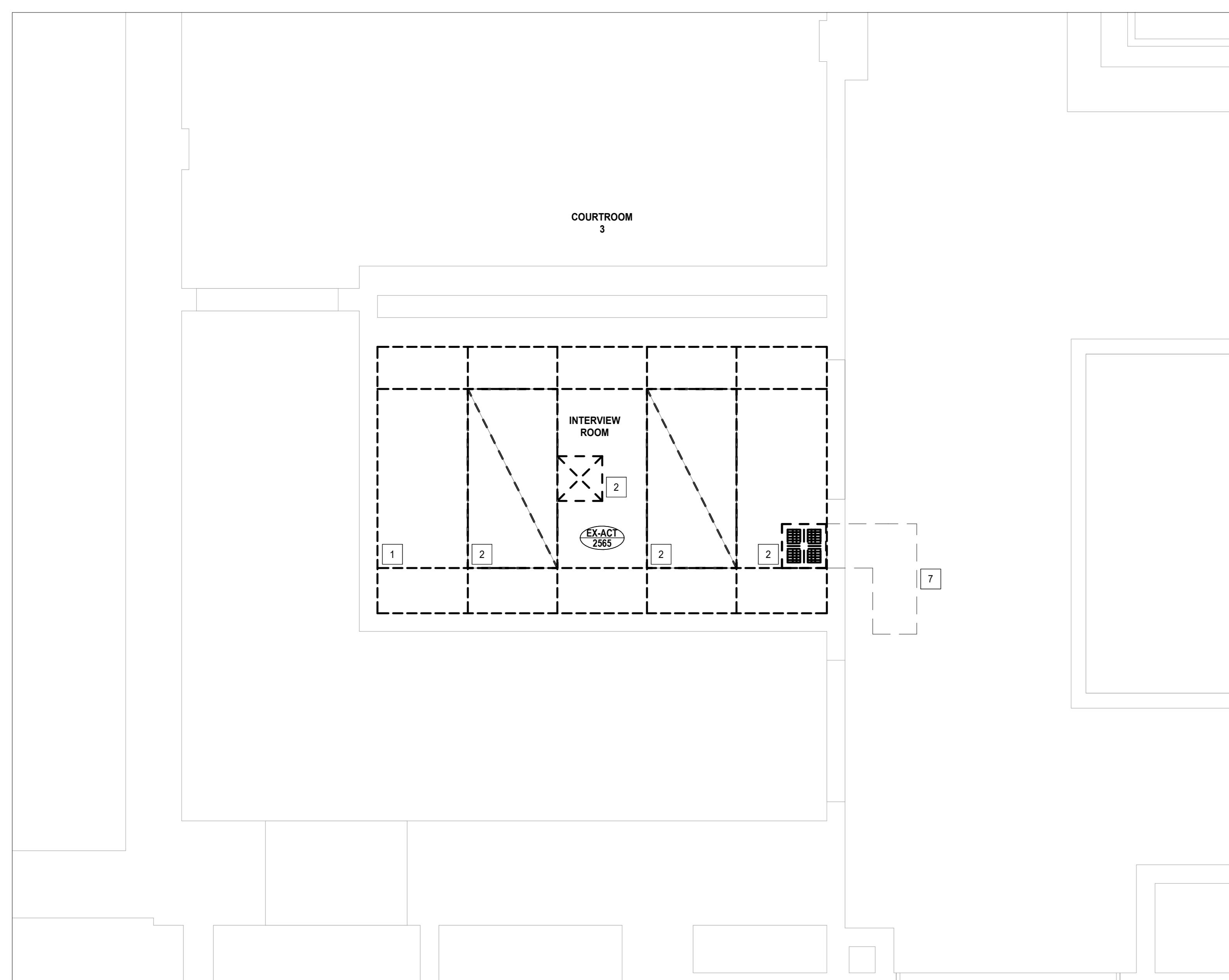
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JU1024-0033-00

EXISTING COURTROOM 1 PHOTOS



EXISTING INTERVIEW ROOM PHOTOS

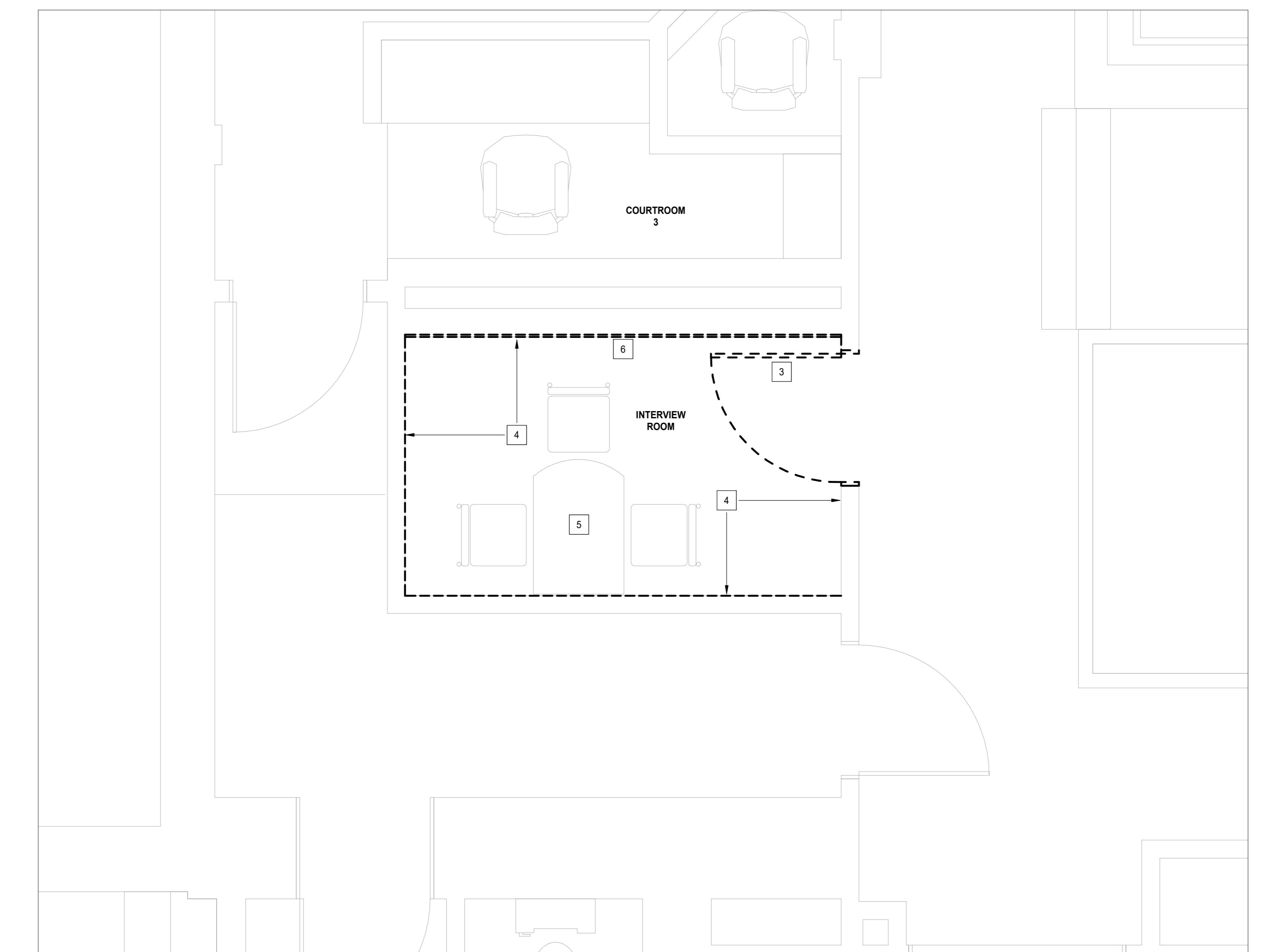


LEVEL 2 - DEMOLITION REFLECTED CEILING PLAN - INTERVIEW ROOM

A60-00

SCALE: 1:20

JU1024-0033-00



LEVEL 2 - DEMOLITION PLAN - INTERVIEW ROOM

A60-00

SCALE: 1:20

JU1024-0033-00

DEMOLITION KEY NOTES		
1. REFER TO EXISTING SITE PHOTOS FOR FURTHER DEMOLITION SCOPE.		
2. COORDINATE WITH ENGINEER'S DEMOLITION DRAWINGS.		
3. DEMOLITION SCOPE OF WORK TO BE READ IN CONJUNCTION WITH LAYOUT OF NEW WORK PER FLOOR PLAN AND RCP.		
4. PATCH AND MAKE GOOD EXISTING SURFACES AFTER REMOVAL OF ITEMS.		
5. REFER TO A01-00 CONSTRUCTION NOTES.		

DEMOLITION KEY NOTES		
1 REMOVE EXISTING ACOUSTIC CEILING TILES, T-BAR, PATCH & REPAIR TO INSTALL NEW ACT. REFER TO RCP FOR DETAILS. NEW CEILING HEIGHT TO MATCH EXISTING.		
2 REMOVE & REINSTALL ALL EXISTING CEILING MOUNTED FIXTURES AND SERVICES TO REMAIN OPERATIONAL.		
3 REMOVE THE EXISTING DOOR & FRAME. REFER TO THE DOOR SCHEDULE FOR DETAILS OF THE NEW DOOR & FRAME.		
4 REMOVE EXISTING CARPET WALL BASE. PATCH & REPAIR TO RECEIVE NEW WALL BASE. EXISTING CARPET FLOOR FINISH TO REMAIN AND NOT DAMAGED WHILE EXISTING CARPET BASE ARE BEING REMOVED.		
5 CONTRACTOR TO REMOVE & SAFELY STORE EXISTING FURNITURE AT LOCATION PROVIDED BY OWNER. AFTER CONSTRUCTION IS COMPLETED, PLACE FURNITURE AS INDICATED IN THE ENLARGED FLOOR PLAN. REFER TO GENERAL NOTES FOR FURNITURE STORAGE AND RELOCATION PROCEDURES FOR CLARIFICATIONS.		
6 REMOVE THE EXISTING GYPSUM WALL BOARD. REFER TO ENLARGED FLOOR PLAN FOR NEW WORK.		
7 REMOVE AND DISCARD EXISTING AIR TRANSFER.		

DATE	ISSUED FOR	REV
2024-10-20	SCHEMATIC DESIGN	A
2025-04-03	DESIGN DEVELOPMENT	B
2025-04-04	CONSTRUCTION DOCUMENT	C
2025-06-13	CONTRACTOR PERMIT	0

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This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultants
ARCHITECTURE: NORR ARCHITECTS & ENGINEERS LTD
MECHANICAL: NORR ARCHITECTS & ENGINEERS LTD
ELECTRICAL: NORR ARCHITECTS & ENGINEERS LTD
STRUCTURAL: NORR ARCHITECTS & ENGINEERS LTD
HARDWARE: SPIDER SC
SECURITY: LORO
ACOUSTIC: THORNTON TOMASETTI
CODE: SENEZ CO

Seal(s)

NORR

NORR Architects & Engineers Limited

175 Bloor Street East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
norr.com

Project Manager J. Yeung Drawn Author
Project Leader Checked Checker

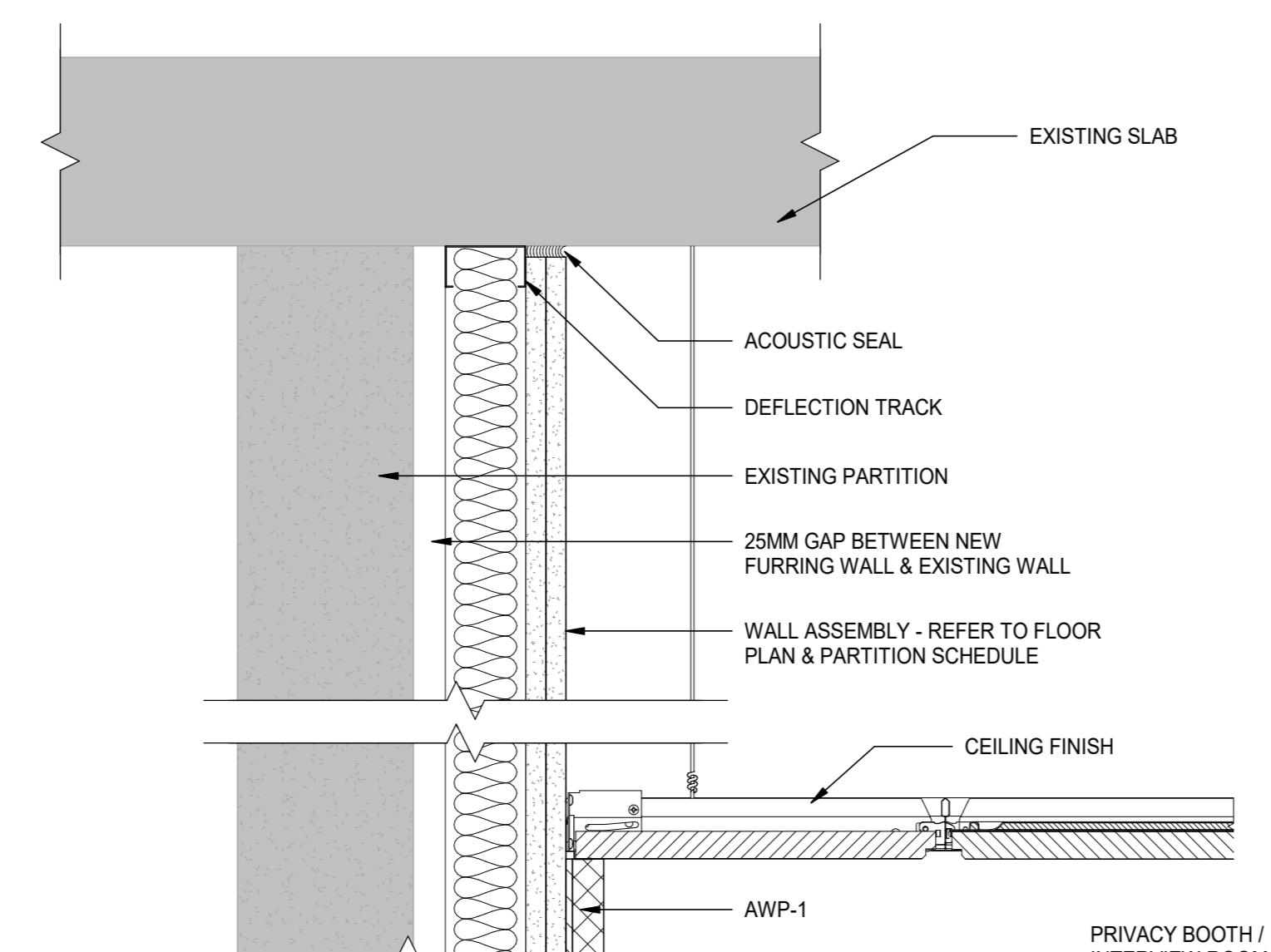
Client
Infrastructure Ontario

CLIENT ADDRESS
MAG Justice Video Technology Program Phase 3 PERTH COURTHOUSE
43 Drummond St E, Perth ON K7H 1G1

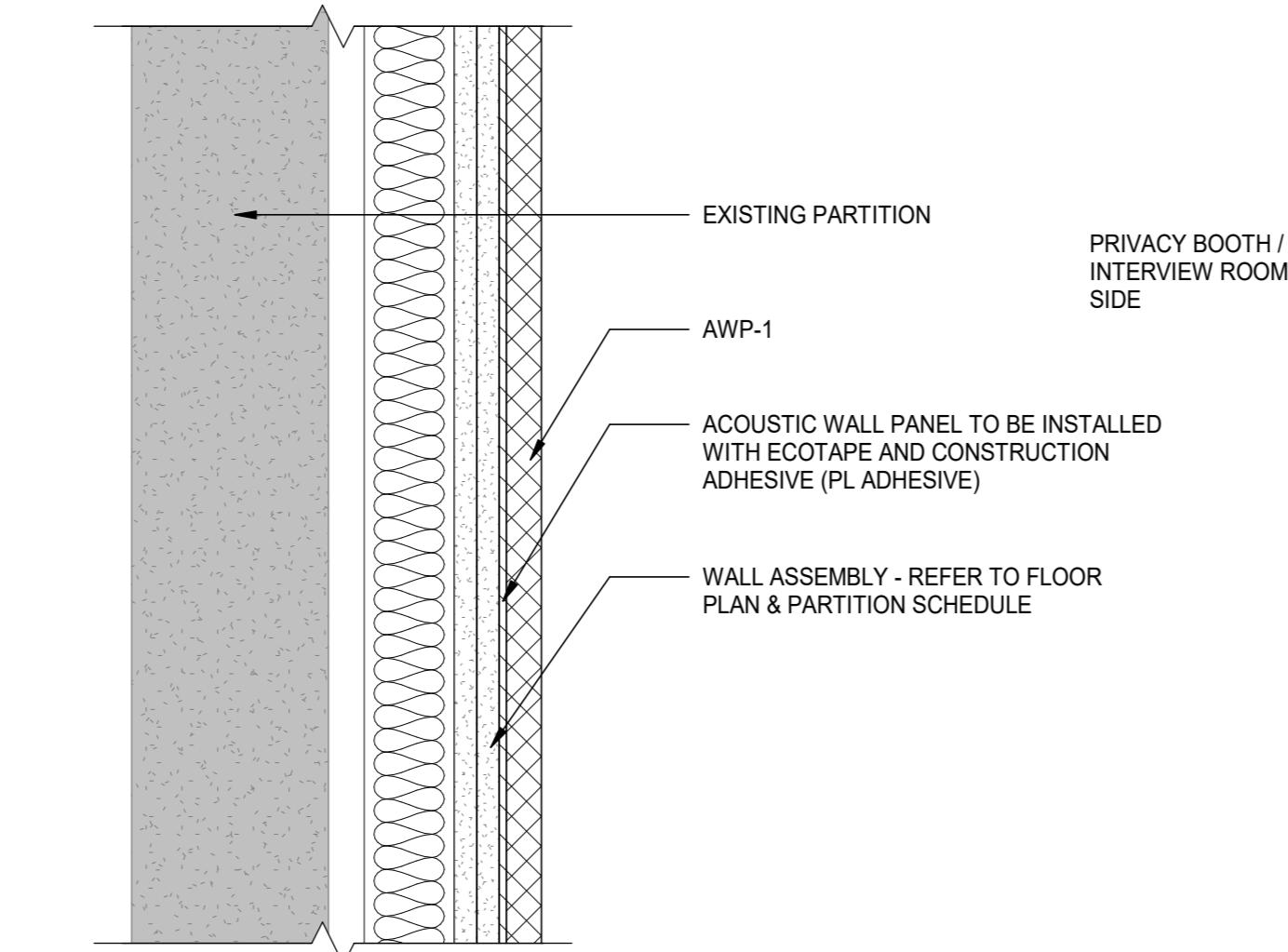
Drawing Title
LEVEL 2 DEMOLITION - PHOTOS, FLOOR PLAN & RCP

Building No. B20016
Site No. N02556
Scale As indicated
Project No. JU1024-0033-00
Drawing No. A60-00

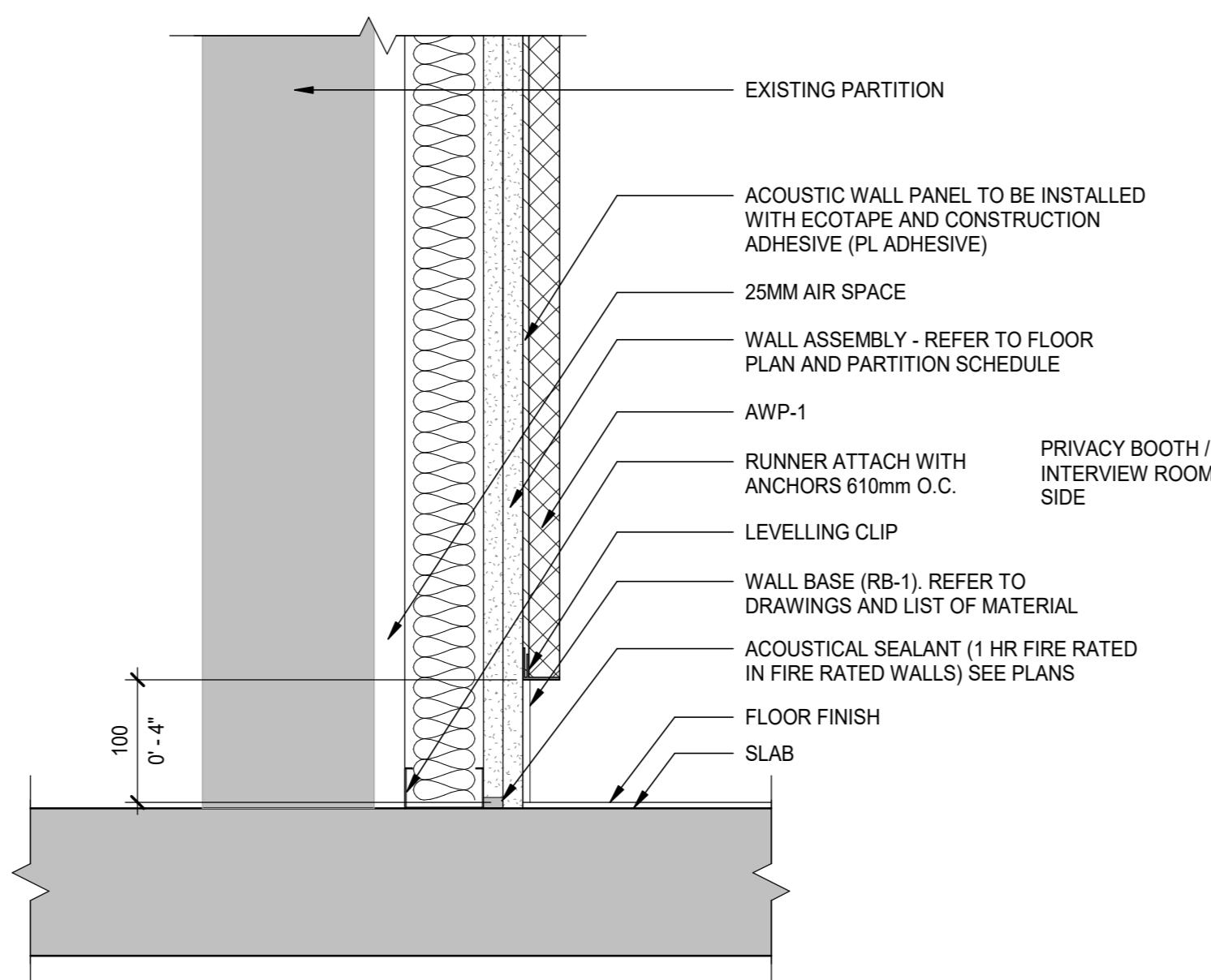
DATE	ISSUED FOR	REV
2024-10-26	SCHEMATIC DESIGN	A
2025-03-01	DESIGN DEVELOPMENT	B
2025-04-04	CONSTRUCTION DOCUMENT	C
2025-06-13	TENDER/PERMIT	0



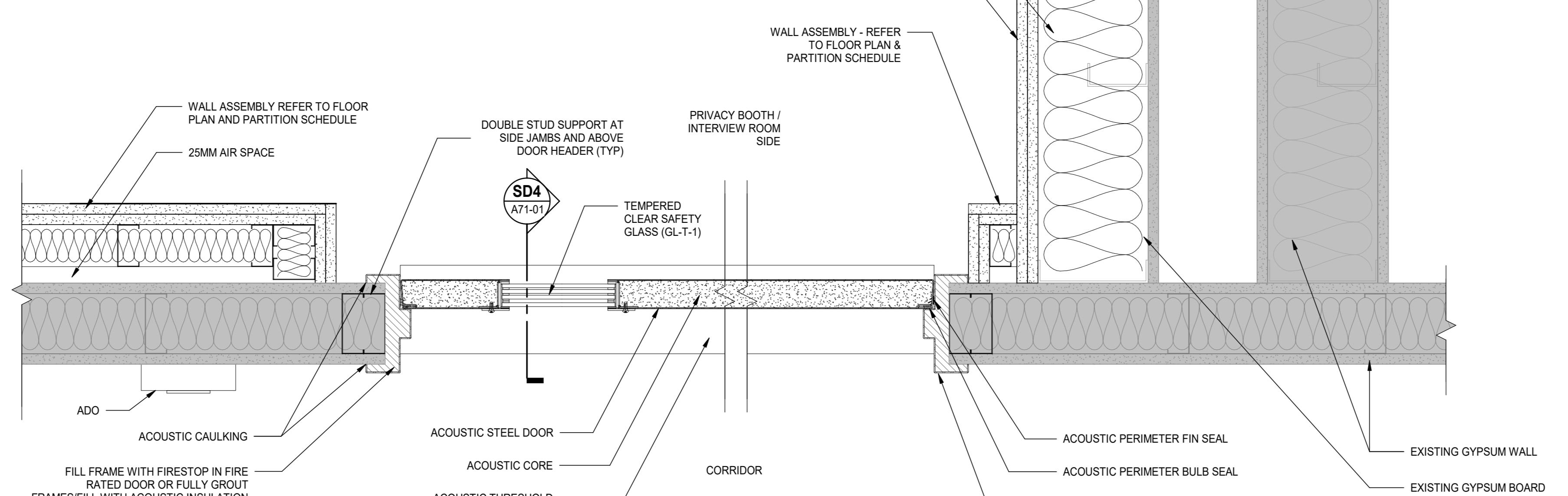
SD3
SECTION DETAIL - NEW F1 FURRING WALL HEAD
A71-01
SCALE: 1:5



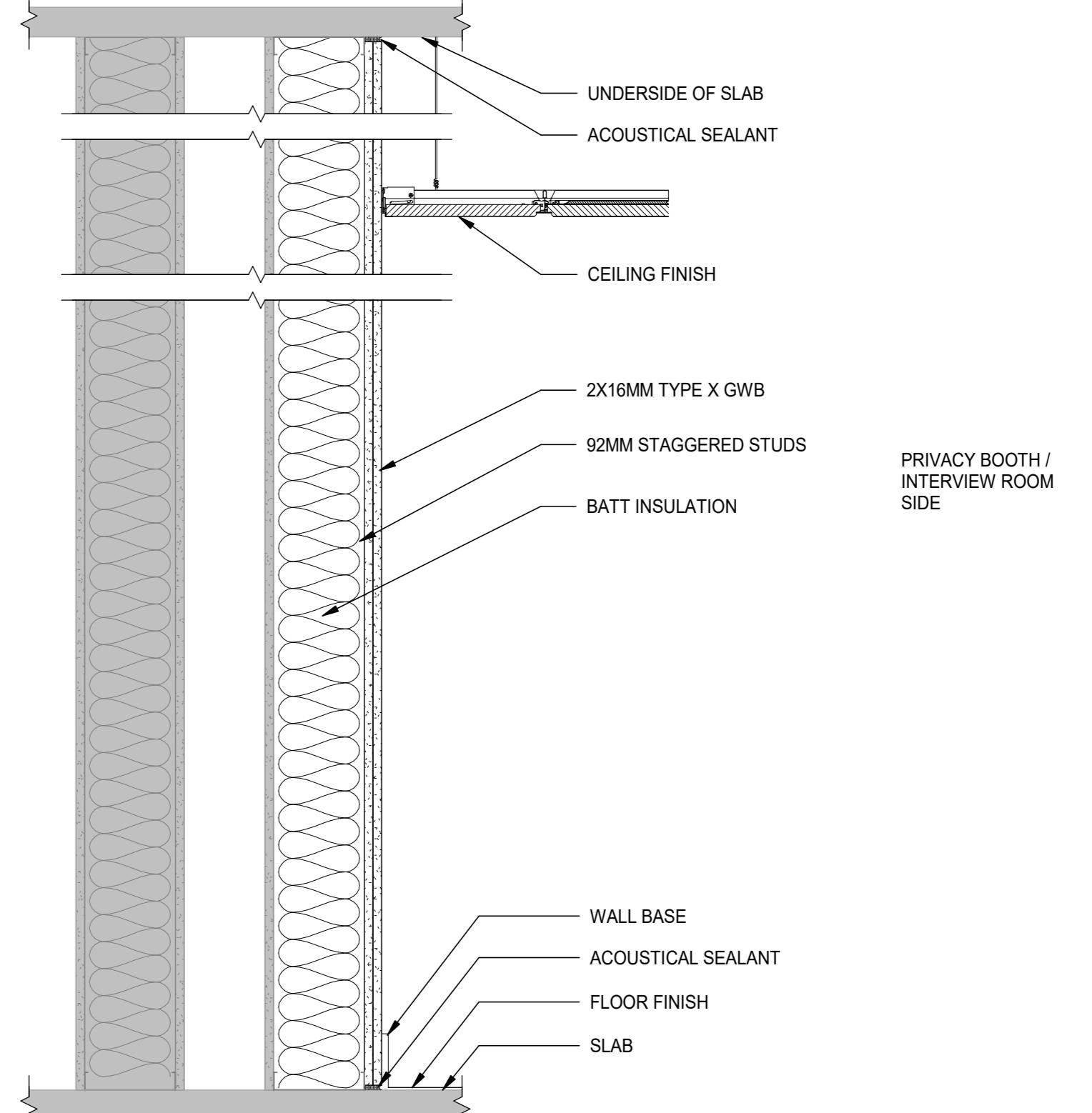
SD2
SECTION DETAIL - AWP-1
A71-01
SCALE: 1:5



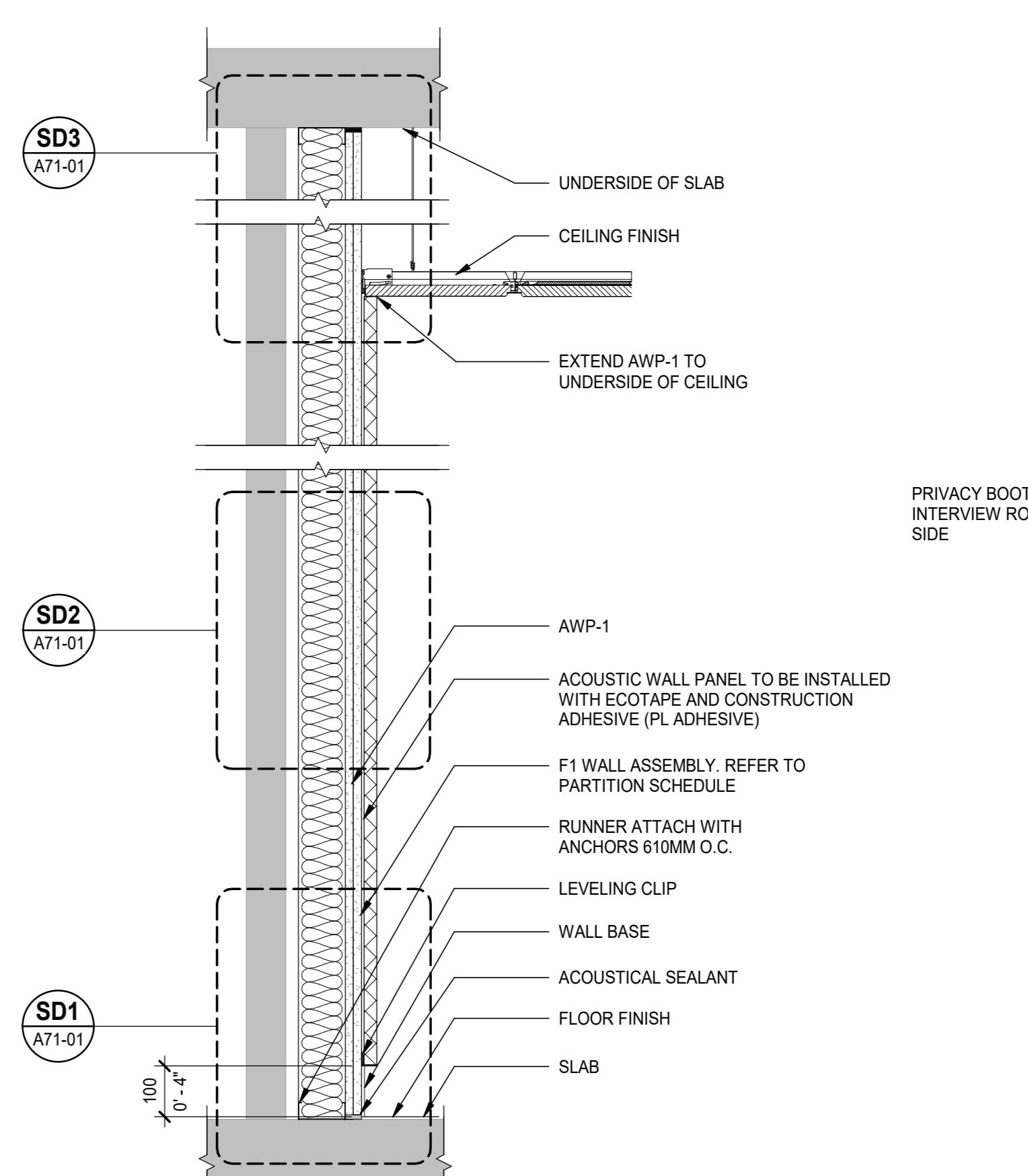
SD1
SECTION DETAIL - NEW F1 FURRING WALL BASE
A71-01
SCALE: 1:5



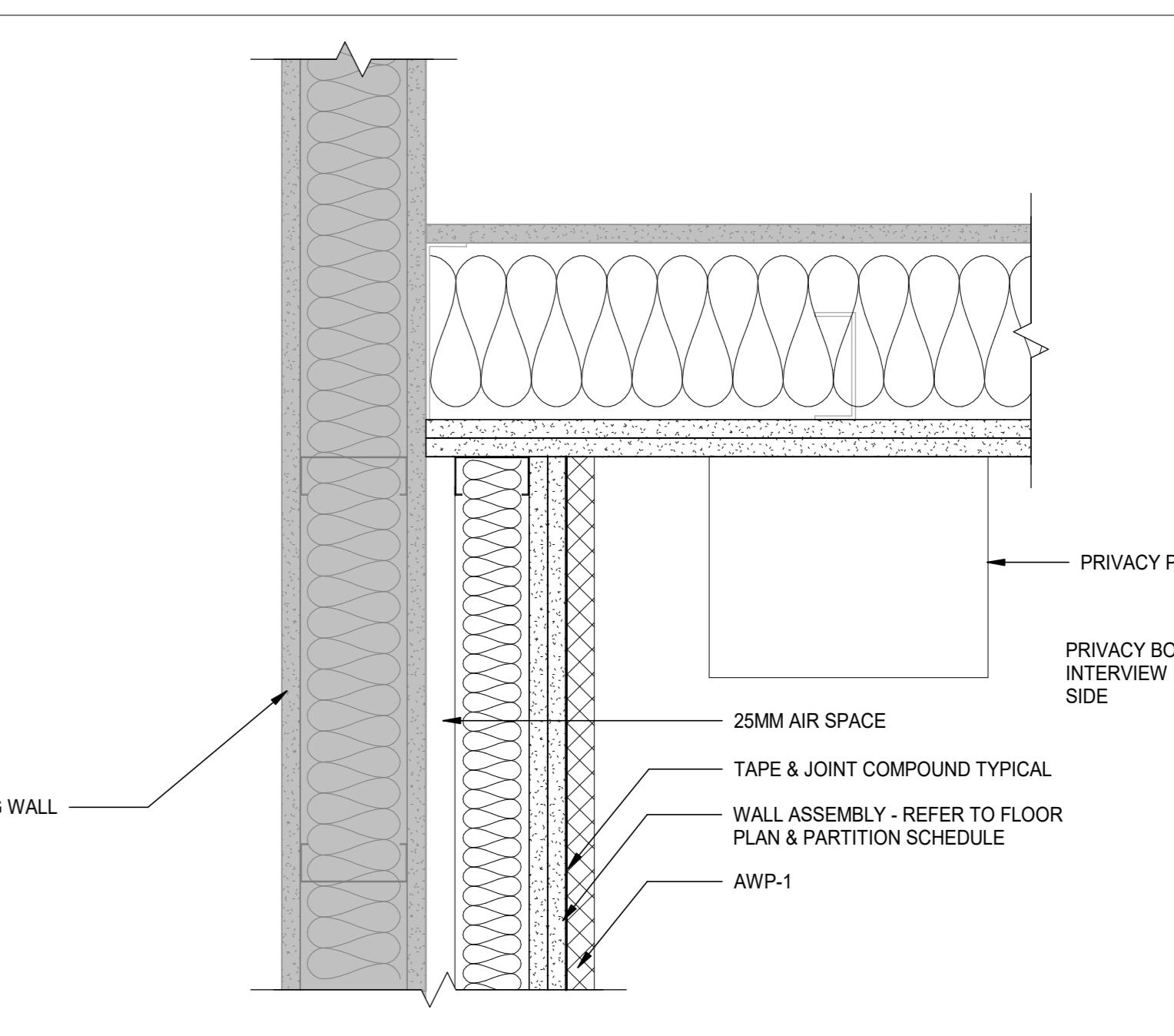
SD4
SECTION DETAIL - STC 45 DOOR & FRAME
A71-01
SCALE: 1:5



S2
WALL SECTION DETAIL
A71-01
SCALE: 1:10



S1
SECTION DETAIL - F1 WALL & AWP-1
A71-01
SCALE: 1:10



P03
PLAN DETAIL - WALL & DOOR
A71-01
SCALE: 1:5



P01
PLAN DETAIL - NEW F1 FURRING WALL CORNER
A71-01
SCALE: 1:5

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This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer

Project Component

Key Plan

Consultant
ARCHITECTURE: NORR ARCHITECTS & ENGINEERS LTD
MECHANICAL: NORR ARCHITECTS & ENGINEERS LTD
ELECTRICAL: NORR ARCHITECTS & ENGINEERS LTD
STRUCTURAL: NORR ARCHITECTS & ENGINEERS LTD
HARDWARE: SINGER SC
SECURITY: LORO
ACOUSTIC: THORNTON TOMASETTI
CODE: SENEZ CO

Seal(s)

NORR
NORR Architects & Engineers Limited

175 Bloor Street East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
norr.com

Project Manager J. Yeung Drawn I. Akgun
Project Leader Checked C. Checker

Client
Infrastructure Ontario
CLIENT ADDRESS

Project MAG Justice Video
Technology Program Phase
3
PERTH COURTHOUSE

43 Drummond St E, Perth ON K7H 1G1

1 Drawing Title
DETAILS

Building No. B20016

Site No. N02556

Scale As indicated

Project No. JU1024-0033-00

Drawing No. A71-01

GENERAL NOTES

A	ALL GENERAL NOTES ON THIS SHEET APPLY TO ALL SHEETS IN THIS PACKAGE.
B	ALL DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ALL LOCATIONS OF LUMINAIRES, LIGHTING CONTROL DEVICES, OUTLETS, SYSTEM DEVICES, DIMENSIONS, MOUNTING HEIGHTS AND CONSTRUCTION DETAILS.
C	CONTRACTOR TO ENSURE THAT ELECTRICAL SERVICES (INCLUDING, BUT NOT LIMITED TO: AUXILIARY SERVICES, SECURITY, CRITICAL LOADS, FIRE ALARM SYSTEMS, ETC.) TO ANY AREAS OF THE BUILDING TO REMAIN IN OPERATION DURING CONSTRUCTION NOT BE AFFECTED UNDER ANY CONDITIONS. INCLUDE FOR ANY NECESSARY OVERTIME WORK AS REQUIRED.
D	ALL OPENINGS THROUGH RATED WALLS OR FLOORS (APPLIES TO ALL INSTANCES) MUST BE SEALED WITH APPROVED FIRE STOPPING MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL AND TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS TO APPLICABLE BUILDING AND FIRE CODES. CONTRACTOR TO PROVIDE FLOOR CORING AND FIRE STOPPING AS REQUIRED. REFER TO SPECIFICATION SECTION 01 73 29 FOR DETAILS.
E	CONTRACTOR TO BE RESPONSIBLE FOR ALL REPAIR OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT.
F	THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND DISTRIBUTION OF TEMPORARY POWER AND LIGHTING WITHIN THE PREMISES DURING THE CONSTRUCTION PERIOD.
G	CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, CONSULTANTS, AND INFRASTRUCTURE ONTARIO. ALL WORK TO BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON-INTERRUPTED OPERATION OF THE FACILITY.
H	FOR DEVICES TO REMAIN, CONTRACTOR TO ACCOUNT FOR REROUTING EXISTING POWER AND DATA WIRES AND CONDUITS AFTER REMOVING CEILING TILES. INSTALL JUNCTION BOXES AND RUN EXTRA CONDUITS AND WIRES WHERE REQUIRED.
I	PROVIDE NECESSARY CONTROL ACCESSORIES, MODULES, RELAYS, ETC. AT EXISTING FIRE ALARM SYSTEM MAIN CONTROL PANEL FOR NEW FIRE ALARM SYSTEM CONNECTIONS, MAKE OPERATIONAL. NEW FIRE ALARM SYSTEM EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH CAN/ULC-S524, "STANDARD FOR THE INSTALLATION OF FIRE ALARM SYSTEMS". ALL WORK REQUIRED AND/OR AS SHOWN ON DRAWINGS RELATED TO LIFE SAFETY SYSTEM SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S TENDER PRICE. EMPLOY AND PAY FOR THE SERVICES OF THE BASE BUILDING APPROVED CONTRACTOR WHERE FINAL CONNECTIONS, MODIFICATIONS AND PROVISION OF NEW INTERFACING DEVICES IN EXISTING MAIN CONTROL PANEL IS TO BE DONE. ENSURE NEW DEVICES TO BE USED SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. MAINTAIN THE INTEGRITY OF EXISTING SUPERVISED CIRCUITS WHEN NEW DEVICES ARE TO BE CONNECTED. THE SYSTEM SHALL BE TESTED AND CERTIFIED BY SYSTEM MANUFACTURER. FOR PROPER OPERATION UPON COMPLETION OF WORK TO INSURE SATISFACTORY OPERATION IN CONFORMANCE WITH CAN/ULC-S537-M, "STANDARD FOR THE VERIFICATION OF FIRE ALARM SYSTEM INSTALLATIONS". PROVIDE FIRE ALARM SYSTEM VERIFICATION FOR ALL RELOCATED AND NEW ALARM, TROUBLE AND SIGNAL DEVICES/CIRCUITS. SUBMIT TEST RESULTS FOR CONSULTANT'S REVIEW. AUDIBILITY TEST TO BE PERFORMED AFTER REGULAR BUSINESS HOURS AND AT THE TIME(S) ACCEPTABLE TO THE BUILDING OPERATIONAL PERSONNEL.
J	LOCATION OF DEVICES AND OUTLETS SHOWN AS GUIDE ONLY. REFER TO ARCHITECTURAL DRAWINGS AND JVN DRAWINGS FOR ALL REQUIRED MOUNTING HEIGHTS AND ADDITIONAL INFORMATION. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO TENDER CLOSE.
K	REFER TO DRAWINGS FOR REQUIRED CORING TO ACCOMMODATE FLOORBOXES, CONDUITS, AND OTHER DEVICES. REFER TO ELECTRICAL SPECIFICATIONS FOR CORING REQUIREMENTS.
L	DURING BIDDERS BRIEFING & SITE VISIT, CONTRACTOR SHALL EXAMINE ALL DRAWINGS CAREFULLY TO DETERMINE THE EXTENT OF WORK AFFECTING THE EXISTING BUILDING. DETERMINE AND INCLUDE IN THE TOTAL PRICE, THE TOTAL COST OF LABOR AND MATERIAL TO DISCONNECT, REMOVE, RELOCATE, BLANK OFF, REROUTE OR MAKE SAFE ALL EXISTING SERVICES, CONDUITS, WIRE, BOXES, LUMINAIRES AND EQUIPMENT AS REQUIRED.
M	WIRE SIZE FOR BRANCH CIRCUITS TO BE MINIMUM #12 AWG. FOR BRANCH CIRCUITS FEEDING LOADS OVER 15 METERS FROM SOURCE PANEL PROVIDE #10 AWG. FOR BRANCH CIRCUITS FEEDING LOADS OVER 25 METERS FROM SOURCE PANEL PROVIDE #8 AWG.
N	PROVIDE LAMICOID LABELS ON ALL LIGHTING SWITCHES, WIRING DEVICES, MECHANICAL EQUIPMENT, DATA OUTLETS, AND DATA CABLES, INDICATING ASSOCIATED PANEL AND CIRCUIT/PORT NUMBER.
O	PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
P	ALL WIREMOLD, JUNCTION BOXES, ETC. INSTALLED EXPOSED/SURFACE MOUNTED TO BE PAINTED TO MATCH ADJACENT SURFACE. COORDINATE WITH GENERAL CONTRACTOR.
Q	CONTRACTOR SHALL REMOVE SIDE WALL PANELS WHERE AV DEVICES ARE INSTALLED IN MILLWORK SUCH AS DAIS, WITNESS BOX, ACCUSED BOX, BARS, ETC. TO ALLOW ELEC. & AV CONTRACTORS TO INSTALL CABLES AND THEN REINSTATE THE REMOVED PANELS AFTER AND MAKE GOOD. COORDINATE WITH GENERAL CONTRACTOR PRIOR TO TENDER CLOSE.
R	ALL CABLES & CONDUITS FOR ELECTRICAL OR AV DEVICES TO BE INSTALLED ON MILLWORK TO BE CONCEALED EITHER WITHIN MILLWORK WALLS OR UNDERNEATH MILLWORK SURFACE.
S	ALL PORTIONS OF THE ELECTRICAL WORK SHALL BE TESTED AND CHECKED FOR SATISFACTORY OPERATION. BEFORE ENERGIZING ANY PORTION OF THE ELECTRICAL SYSTEM, PERFORM MEGGER TESTS ON ALL FEEDERS. RESULTS OF SUCH TESTS SHALL CONFORM TO THE REQUIREMENTS OF THE CANADIAN ELECTRICAL CODE AND SHALL BE TO THE SATISFACTION OF THE AUTHORIZED INSPECTION AGENCY AND THE ENGINEER. SUBMIT ALL TEST RESULTS TO THE ENGINEER FOR APPROVAL. ANY TEST RESULTS THAT DO NOT MEET THE MINIMUM REQUIREMENTS OF THE MANUFACTURER, CANADIAN ELECTRICAL CODE, AUTHORIZED INSPECTION AGENCY AND THE ENGINEER SHALL BE REPAIRED IN A METHOD APPROVED BY THE ENGINEER AND RETESTED AT THE EXPENSE OF THE CONTRACTOR.

ELECTRICAL SHEET LIST

SHEET NO.	SHEET NAME
E01-01	DRAWING LIST & LEGENDS
E07-01	TYPICAL DETAILS & PANEL SCHEDULE
E10-01	ELECTRICAL LAYOUTS

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MECHANICAL: NORR ARCHITECTS & ENGINEERS LTD
ELECTRICAL: NORR ARCHITECTS & ENGINEERS LTD
STRUCTURAL: NORR ARCHITECTS & ENGINEERS LTD
HARDWARE: SPYDER SC
SECURITY: LOBO
ACOUSTIC: THORNTON TOMASETTI
CODE: SENEZ CO

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Project Leader M.ATTARI	Checked M.AHMED

 Infrastructure Ontario

Project

MAG Justice Video Technology Program Phas 3

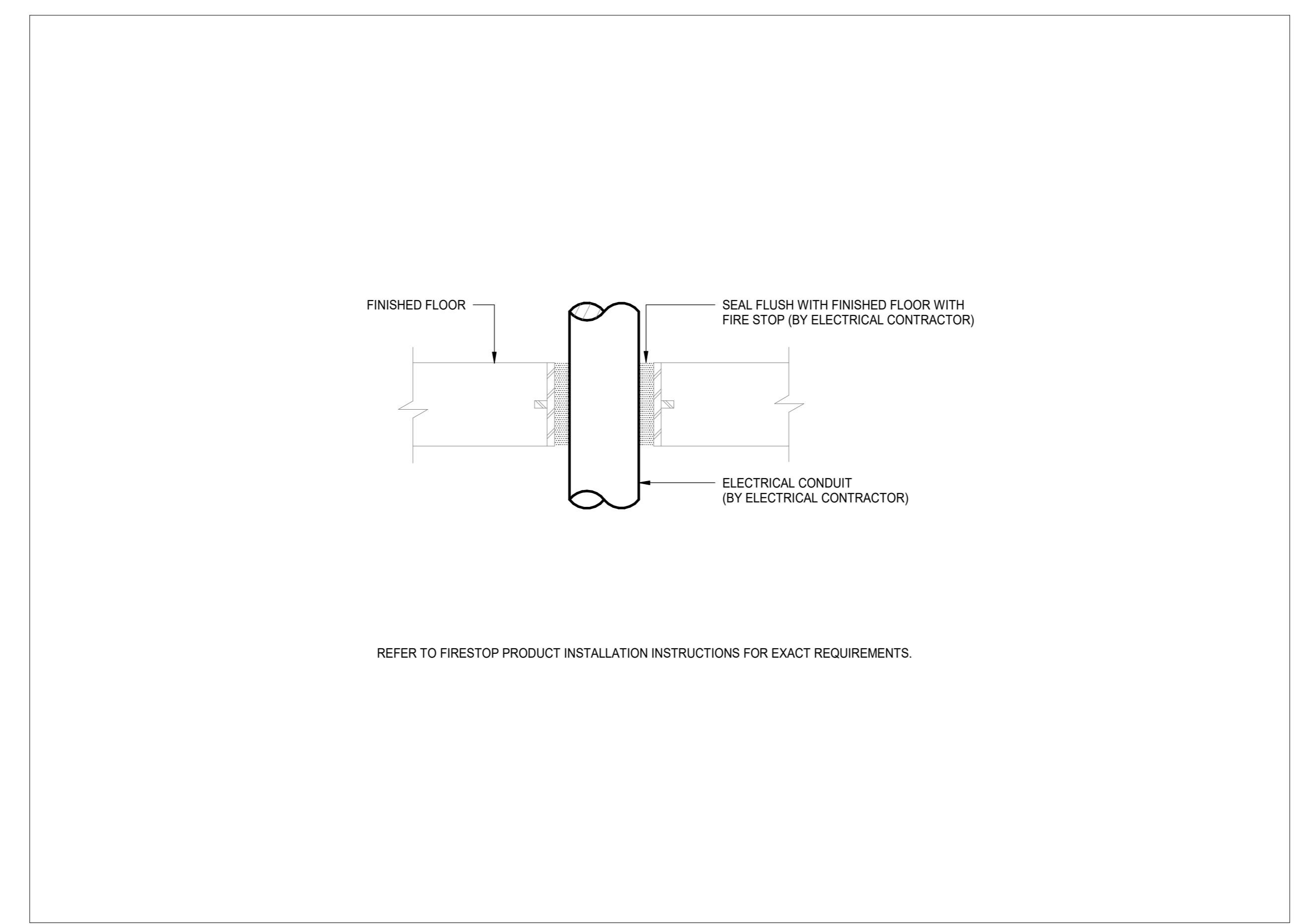
DETROIT COURTHOUSE

43 Drummond St E, Perth ON K7H 1G1

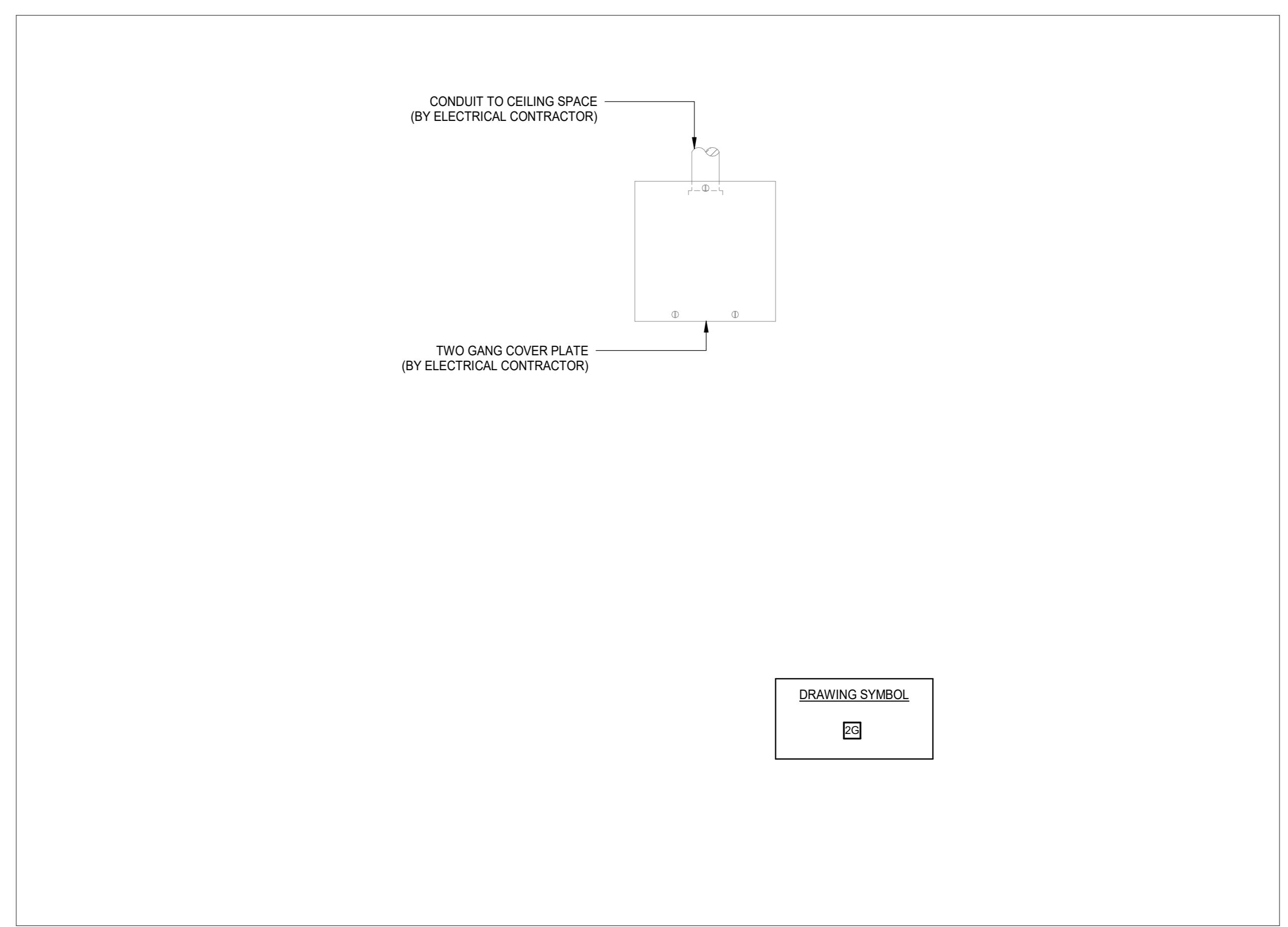
Building No.	B20016
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N02556
Scale
NTS
Project No.
IL1024-0033-00

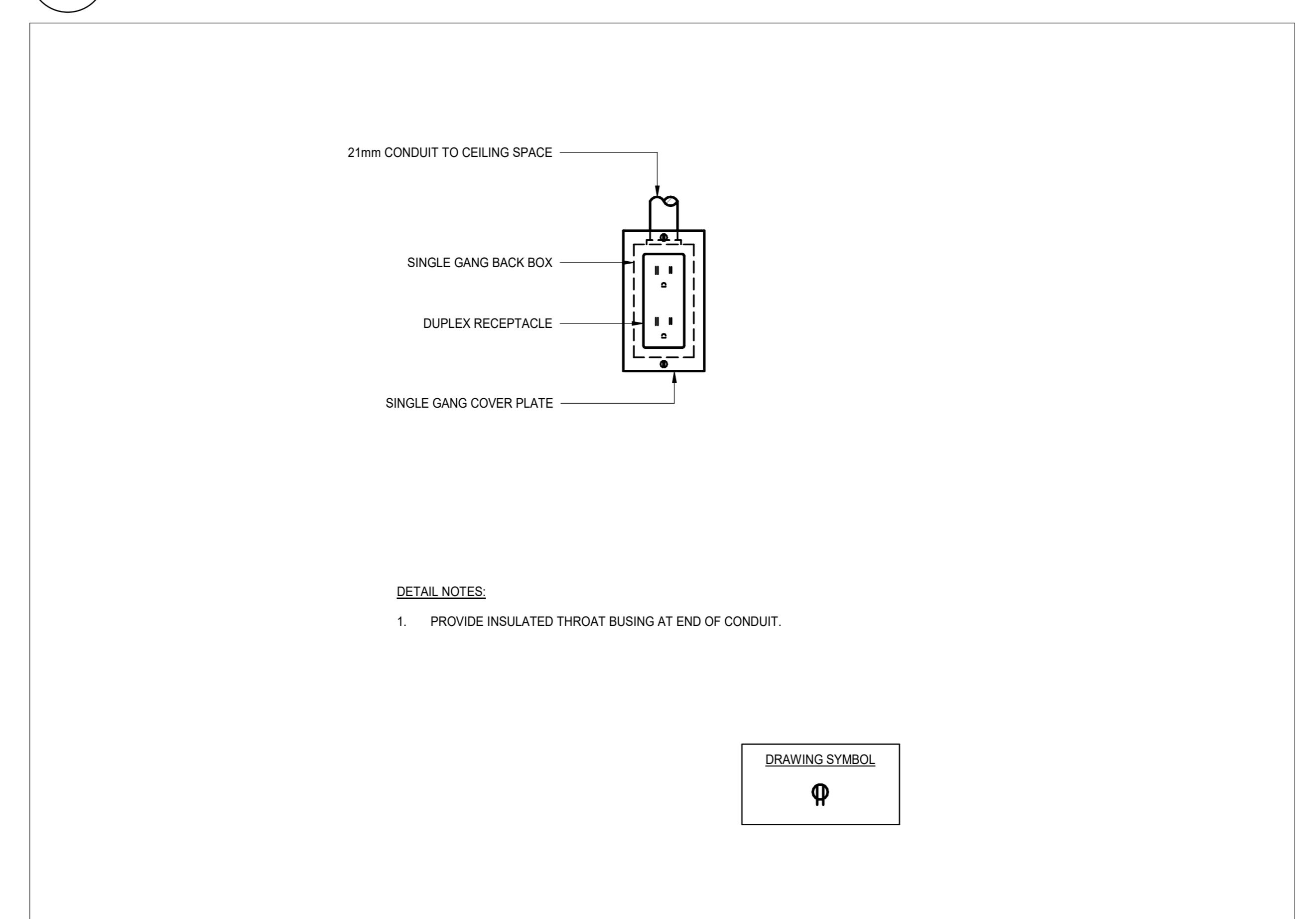
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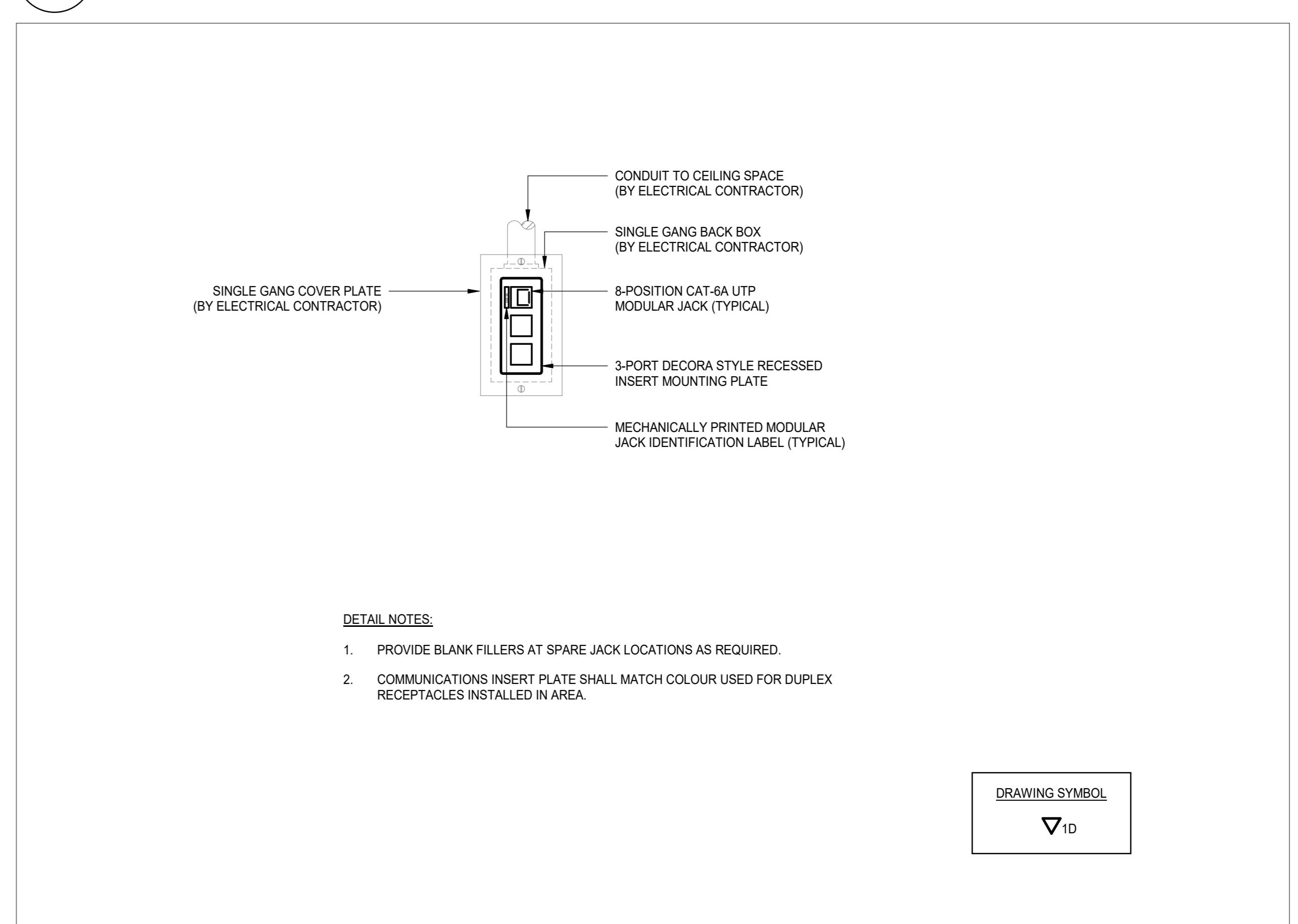
6 E07-01 THRU-FLOOR CONDUIT PENETRATIONS
SCALE: N.T.S.



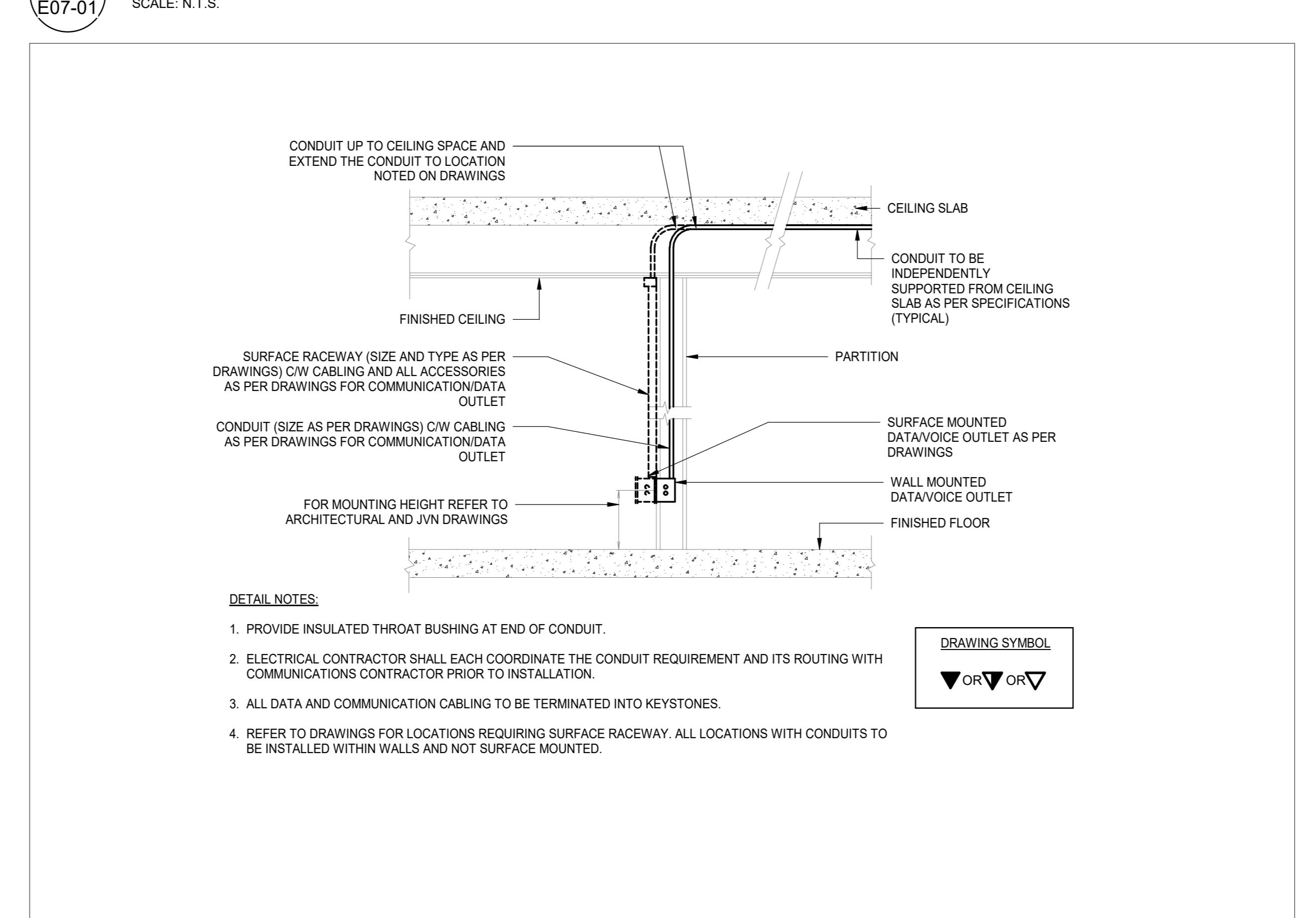
3
E07-01 2-GANG EMPTY BOX FOR AV
SCALE: N.T.S.



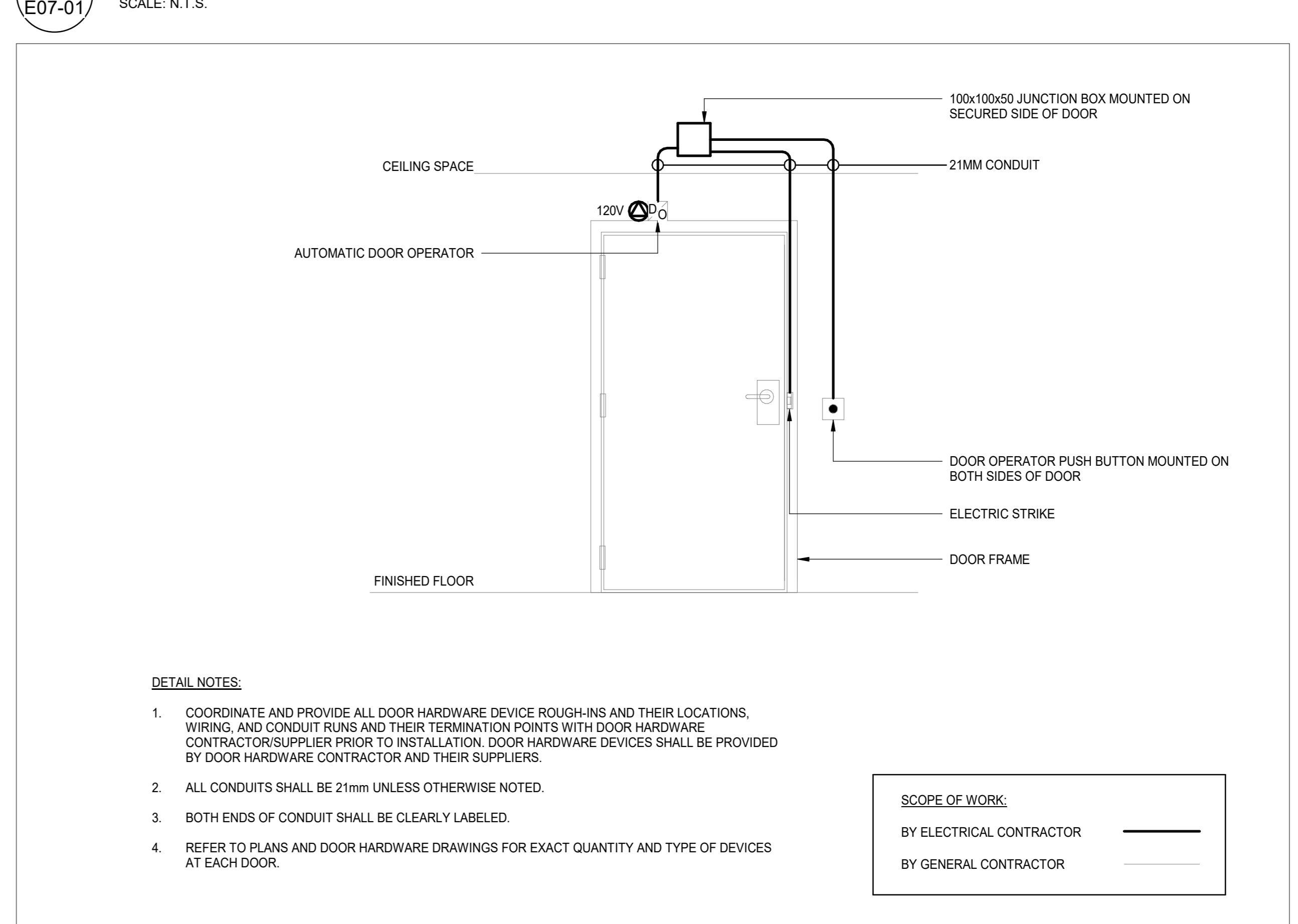
5 1-GANG - 1-DUPLEX OUTLETS



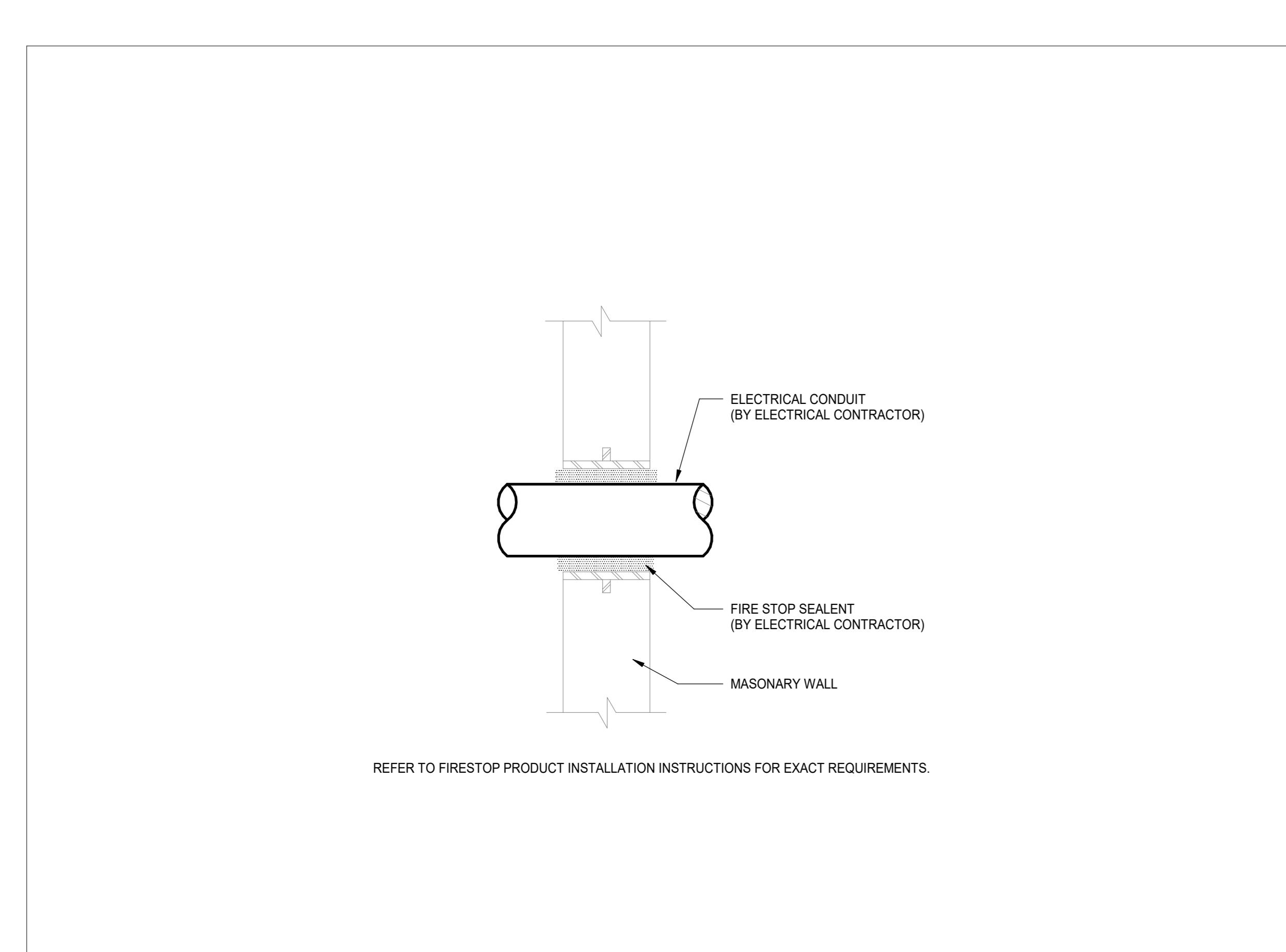
2 1-GANG - 1-DATA
SCALE: NTC



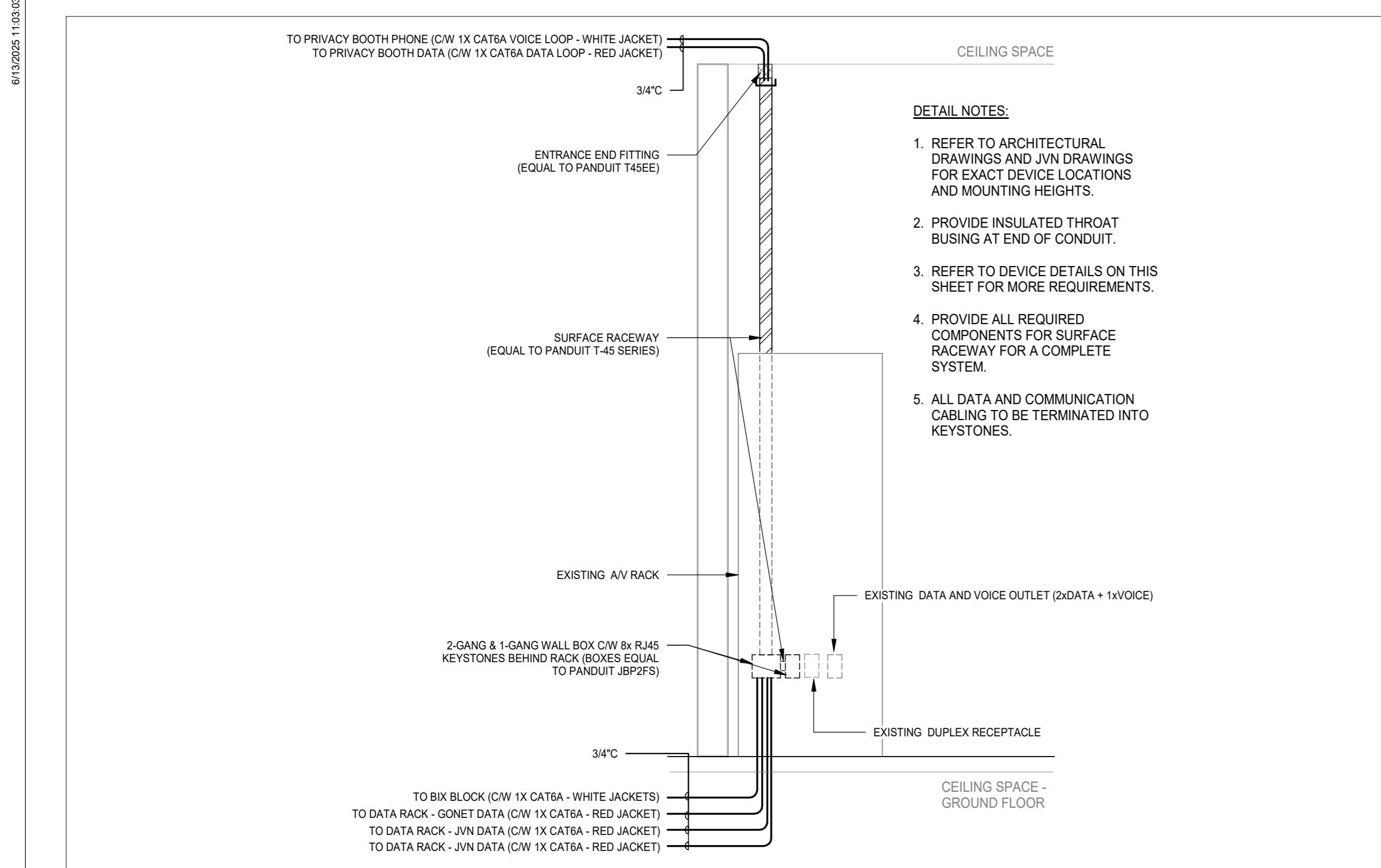
4
E07-01
TYPICAL - COMMS OUTLET, CONDUIT
SCALE: N.T.S.



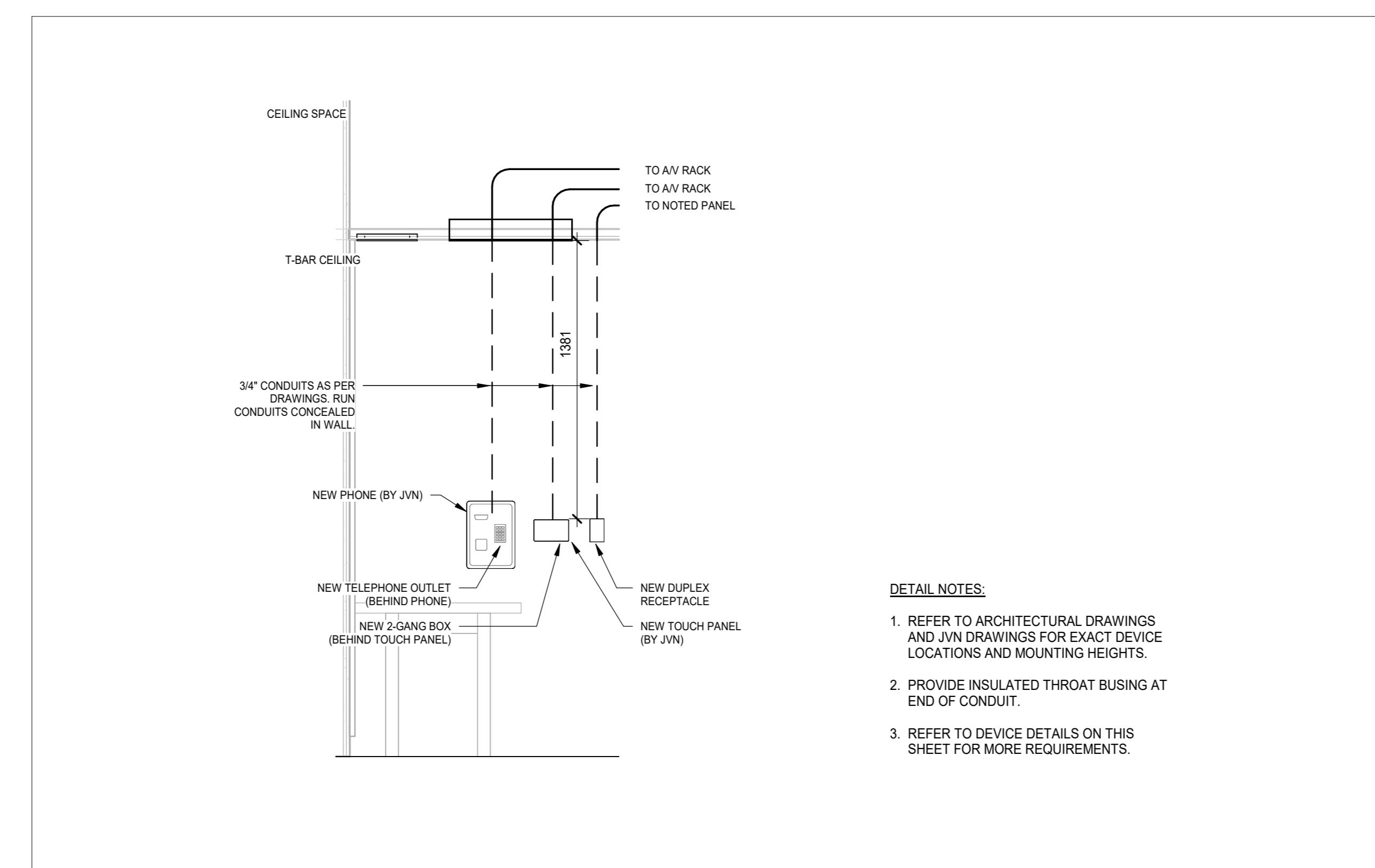
DOOR ELEVATION - ELECTRICAL DETAILS



7
E07-01
WALL CONDUIT PENETRATION DETAIL
SCALE: N.T.S.

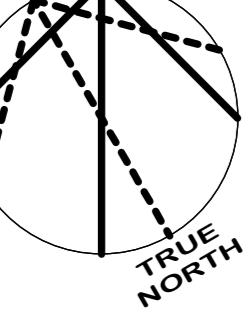


8 JVN A/V RACK ELEVATION
E10-01 SCALE: 1:20

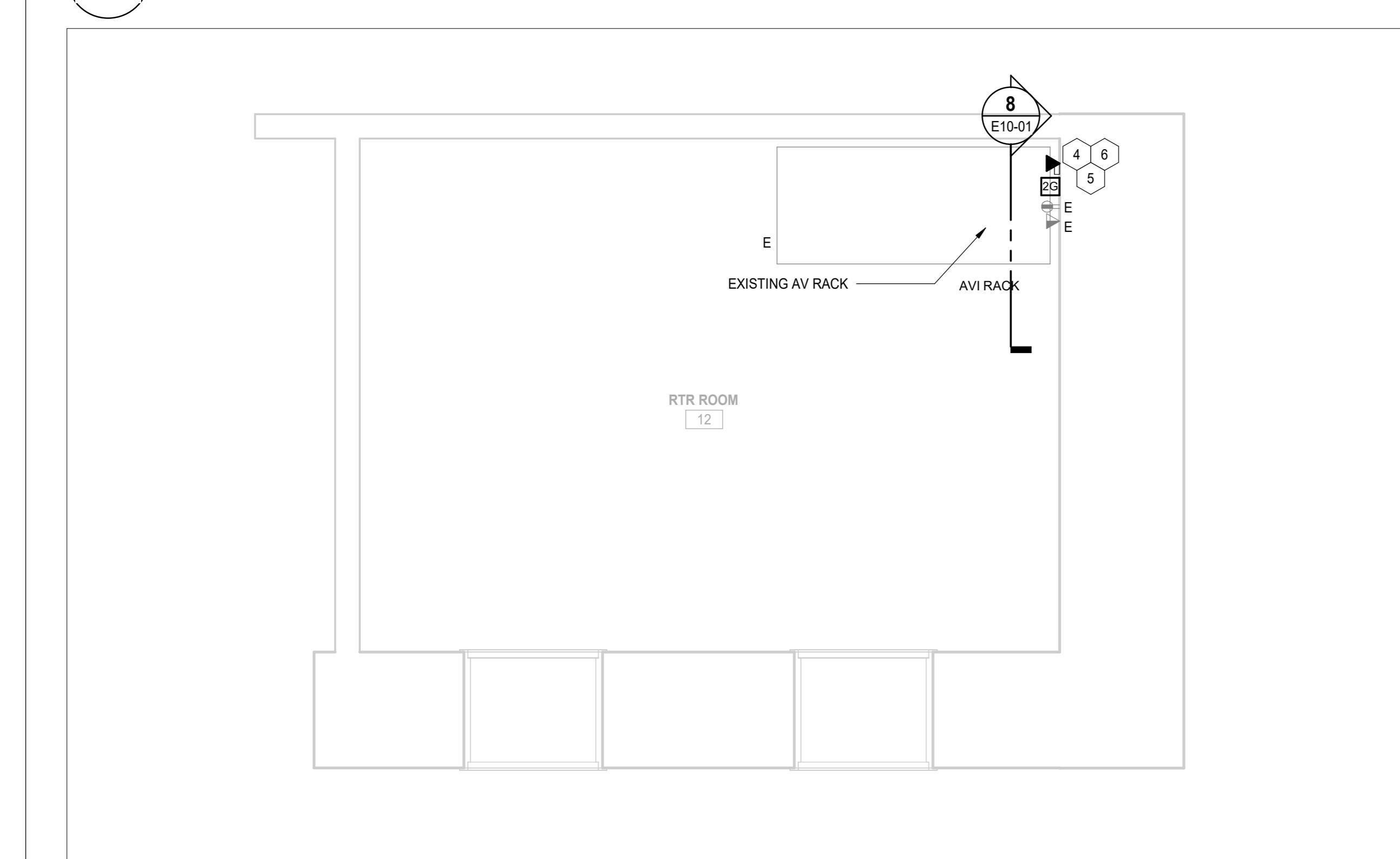


7 PRIVACY BOOTH DEVICE ELEVATION
E10-01 SCALE: 1:20

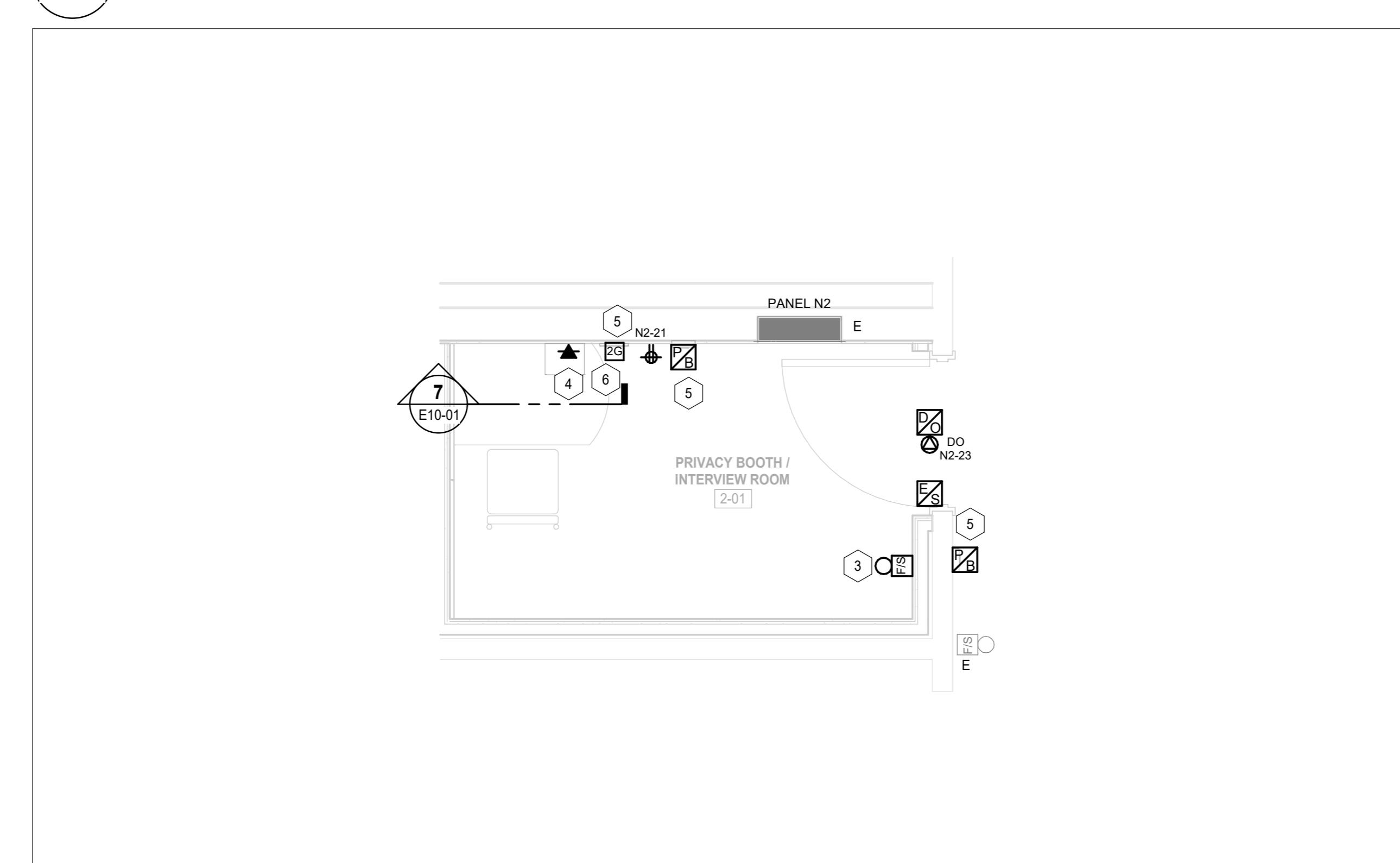
SHEET KEYNOTE	
KEYNOTE #	DESCRIPTION
1	EXISTING LIGHTING FIXTURE TO BE REMOVED AND REINSTALLED AT THE SAME LOCATION AND SAME HEIGHT. LIGHTING SWITCH TO REMAIN.
2	ALL PENETRATIONS THROUGH ACOUSTICALLY RATED WALLS NEED TO BE PROPERLY SEALLED. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR ACOUSTICALLY RATED WALLS AND DETAIL.
3	PROVIDE AND INSTALL NEW FIRE ALARM HORN & STROBE. NEW DEVICE TO BE COMPATIBLE WITH THE EXISTING FIRE ALARM CONTROLLER. CONNECT NEW DEVICE TO THE EXISTING FIRE ALARM CONTROL PANEL. CONNECT UNARMED DEVICE TO EXISTING FIRE ALARM CONTROL PANEL. KEEP THE INTEGRITY OF EXISTING FIRE ALARM SYSTEM. FIRE ALARM SYSTEM TO KEEP FUNCTIONING DURING CONSTRUCTION.
4	INSTALL ONE (1) EMPTY YG BOX BEHIND NEW TELEPHONE IN PRIVACY BOOTH AND ONE (1) DOOR IN CEILING SPACE ON GROUND FLOOR. INSTALL ONE (1) 1/2" EMT CONDUIT BETWEEN TWO BOXES. INSTALL CONDUIT IN CEILING SPACE ON GROUND FLOOR. WHERE CONDUIT PASSES THROUGH CEILING, SEAL CONDUIT.
5	REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHT OF DEVICE.
6	INSTALL ONE (1) EMPTY 2G BOX BEHIND NEW TOUCH SCREEN IN PRIVACY BOOTH AND ONE (1) EMPTY 2G XOB BEHIND EXISTING AV RACK IN RTR ROOM. INSTALL ONE (1) 3/4" EMT CONDUIT BETWEEN TWO BOXES. INSTALL CONDUIT IN CEILING SPACE ON SECOND FLOOR. WHERE CONDUIT PASSES THROUGH CEILING, SEAL CONDUIT.
7	EXACT ROUTING OF CONDUITS AND LOCATION OF DROPS THROUGH FLOOR SLABS TO BE CONFIRMED ON-SITE AND WITH OWNER'S FORCES. COORDINATE WITH GENERAL CONTRACTOR REQUIRED CORING THROUGH WALLS AND FLOORS PRIOR TO TENDER CLOSE DATE.
8	CONDUITS TO RUN PARALLEL WITH EXISTING CONDUITS.
9	CONDUIT RUNS ON THIS DRAWING INDICATE ONLY APPROXIMATE LOCATIONS SUITABLE FOR ROUTING. CONTRACTOR TO CONFIRM ON-SITE REQUIRED PATHS TO SUIT SITE CONDITIONS.



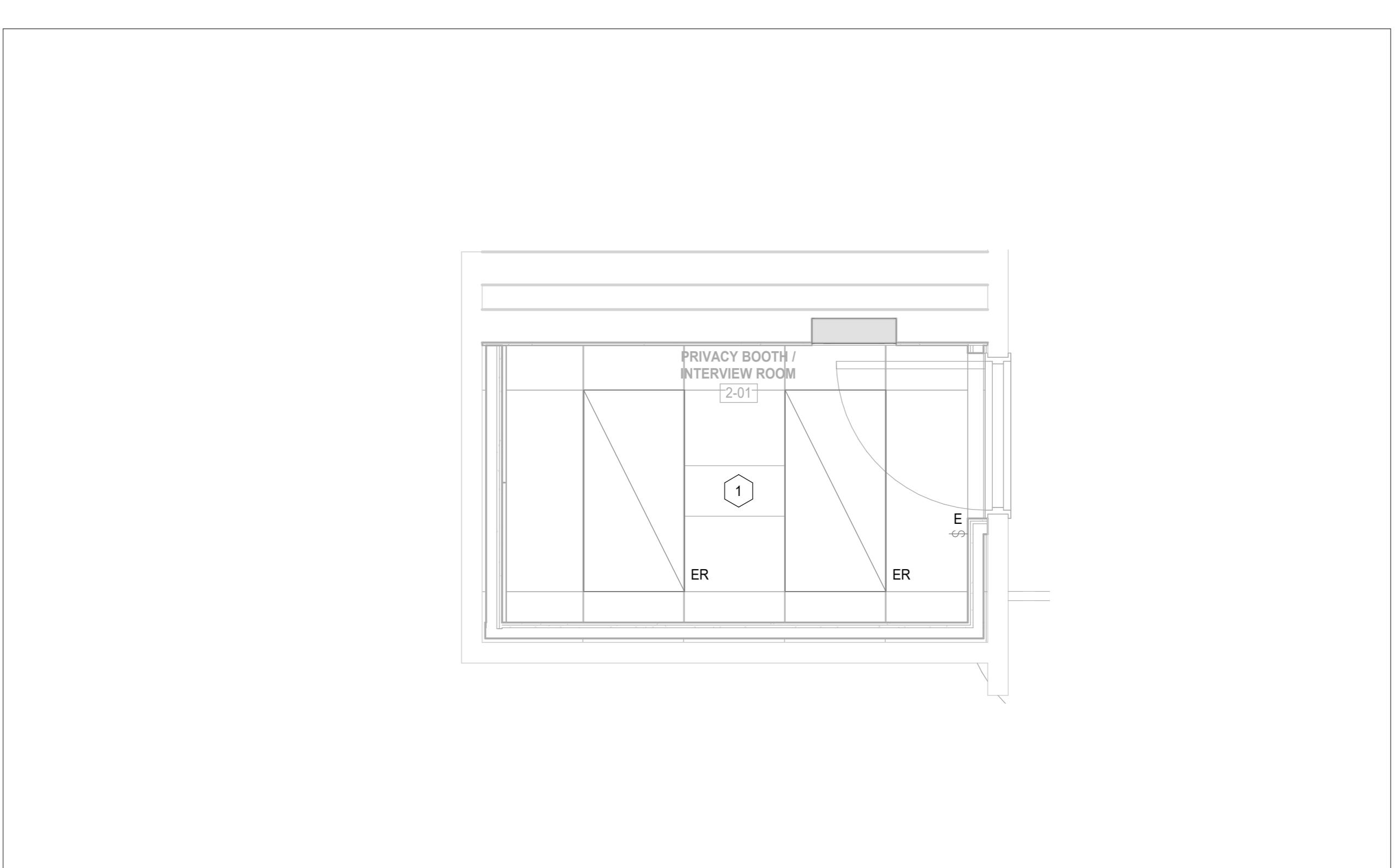
DATE	ISSUED FOR	REV
2024-12-13	DESIGN DEVELOPMENT	A
2025-04-04	CONSTRUCTION DOCUMENT	B
2025-06-13	TENDER/PERMIT	0



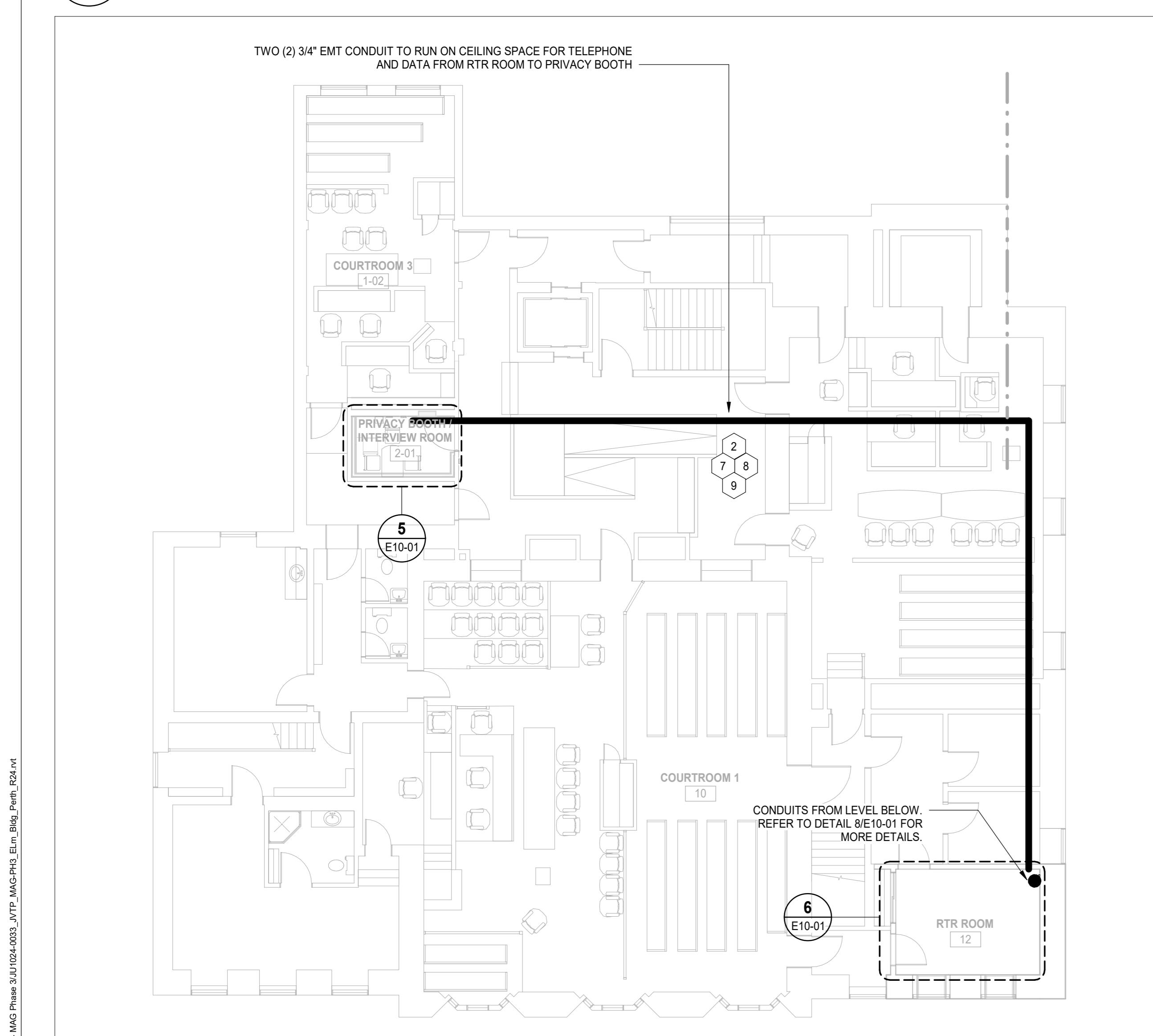
6 POWER AND SYSTEMS - RTR ROOM
E10-01 SCALE: 1:25



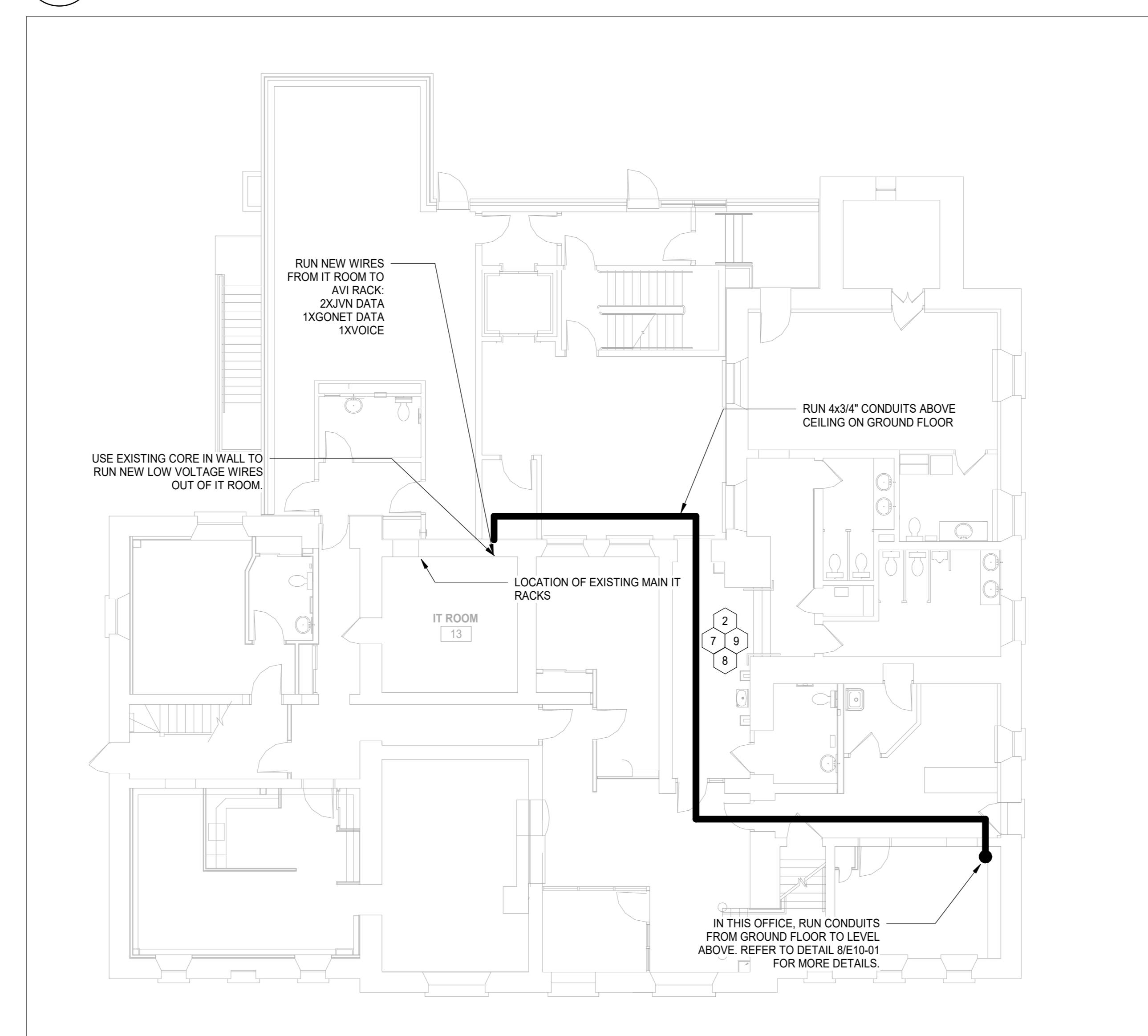
5 POWER AND SYSTEMS - PRIVACY BOOTH
E10-01 SCALE: 1:25



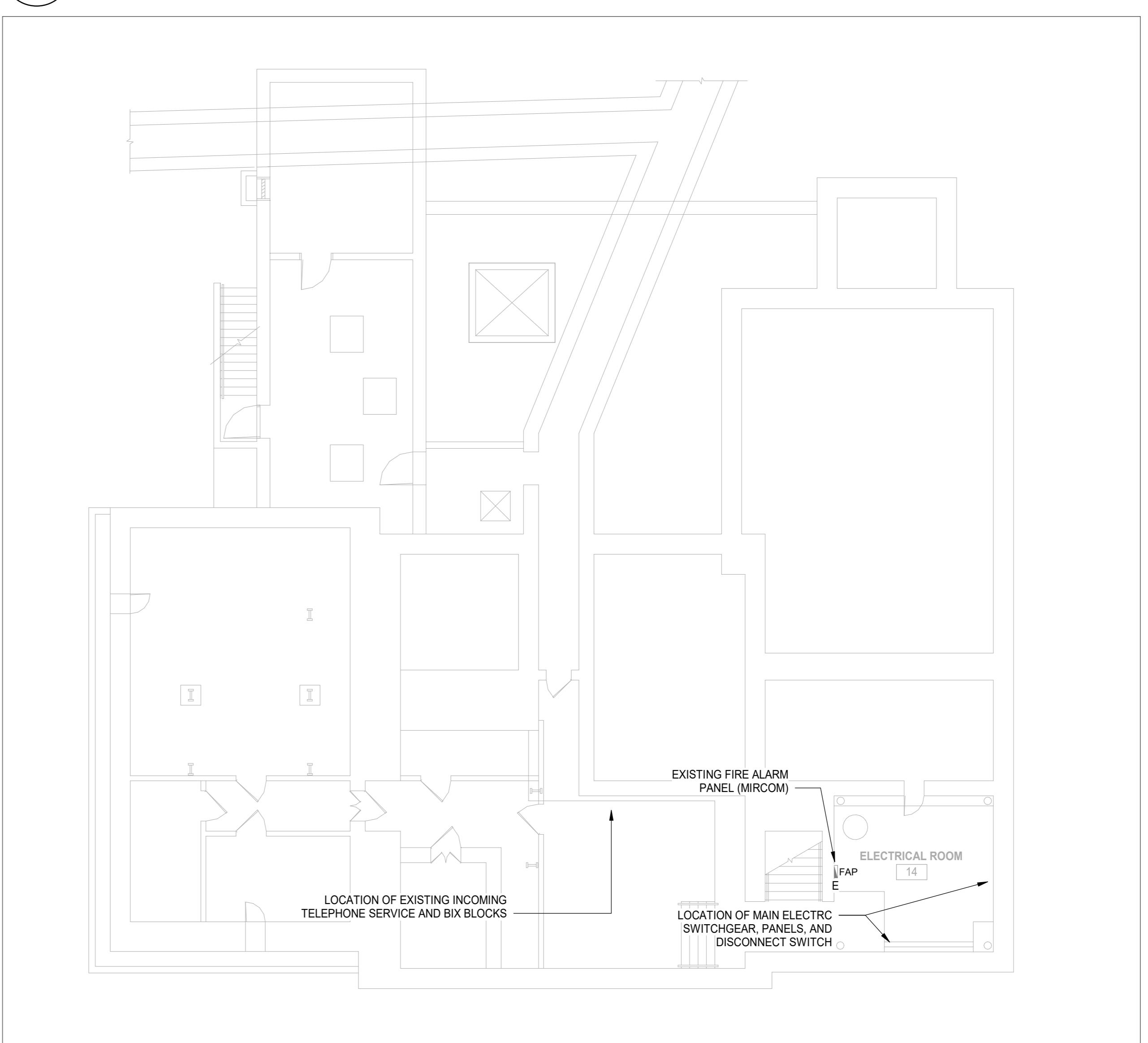
4 LIGHTING LAYOUT - PRIVACY BOOTH
E10-01 SCALE: 1:25



3 OVERALL POWER PLAN - LEVEL 2
E10-01 SCALE: 1:100



2 OVERALL POWER PLAN - LEVEL 1
E10-01 SCALE: 1:100



1 OVERALL POWER PLAN - LEVEL B1
E10-01 SCALE: 1:100

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Key Plan

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ELECTRICAL: NORR ARCHITECTS & ENGINEERS LTD
STRUCTURAL: NORR ARCHITECTS & ENGINEERS LTD
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Project
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PERTH COURTHOUSE

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Drawing Title
ELECTRICAL LAYOUTS

Building No.
B20016

Site No.
N02556

Scale
As indicated

Project No.
JU1024-0033-00

Drawing No.
E10-01

ISO 9001:2015, NAG, RICS, 3/10/2015, JND, MAC/PLN, Eng. Bldg. Plan, B20016

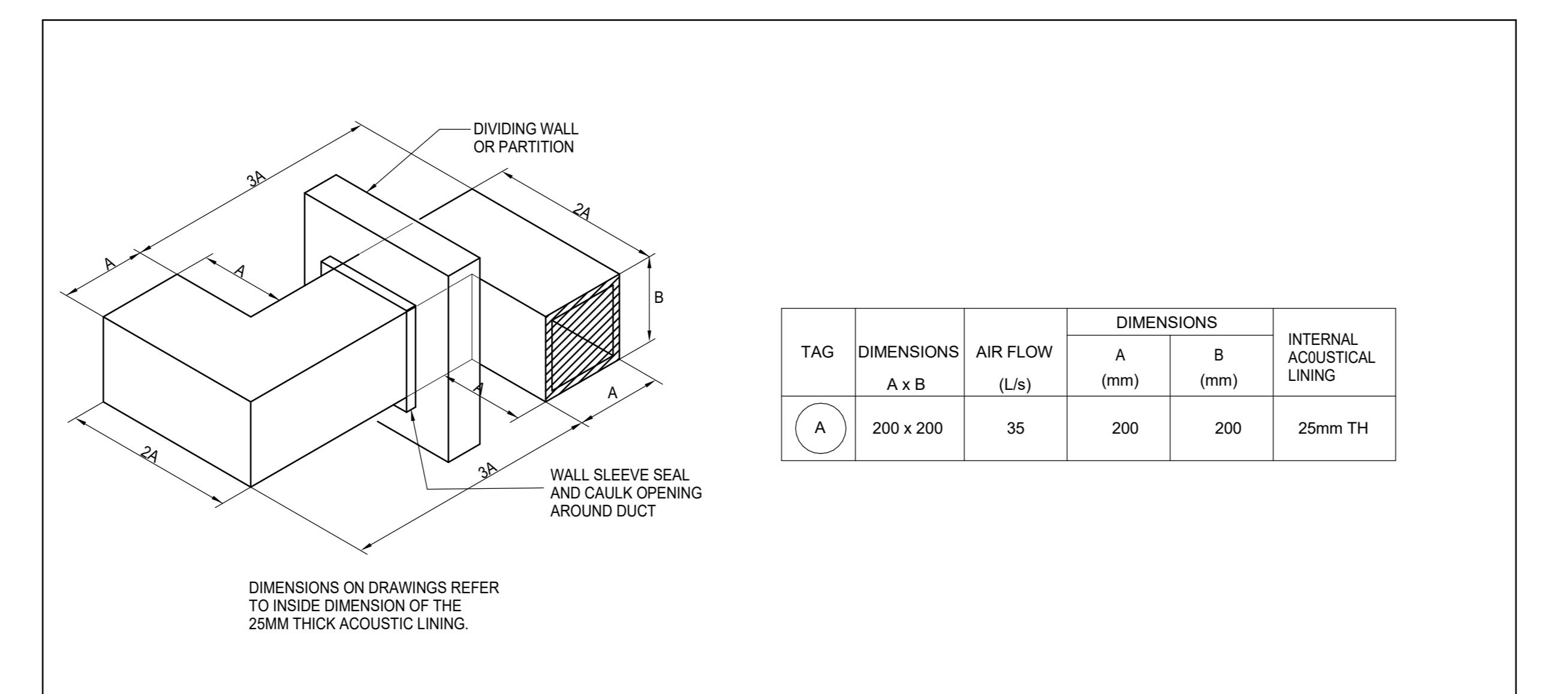
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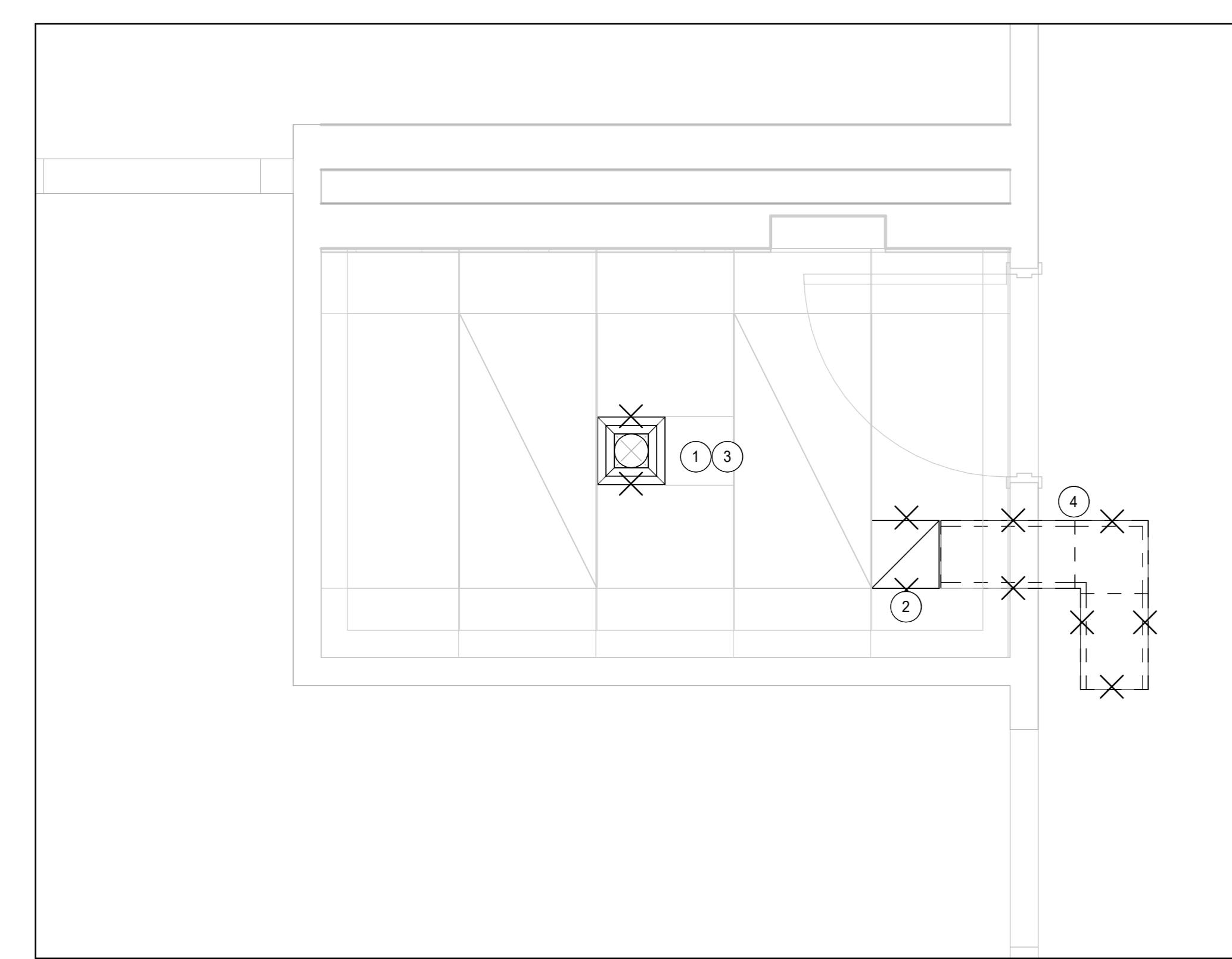
DESIGNATION	SERVICE
ABBREVIATIONS	
CTE	CONNECT TO EXISTING
C/W	COMPLETE WITH
RA	RETURN AIR
SA	SUPPLY AIR
TA	TRANSFER AIR

DESIGNATION	SERVICE
SYMBOLS	
	DIFFUSER/REGISTER TYPE NECK / GRILLE SIZE AIRFLOW
	EXISTING SUPPLY AIR DIFFUSER
	EXISTING RETURN/EXHAUST AIR GRILLE OR REGISTER
	RELOCATED EXISTING DIFFUSER/GRILLE
	ACOUSTICAL DUCT LINING
	CROSS TALK SILENCER
	EXISTING ITEMS DEMOLITION

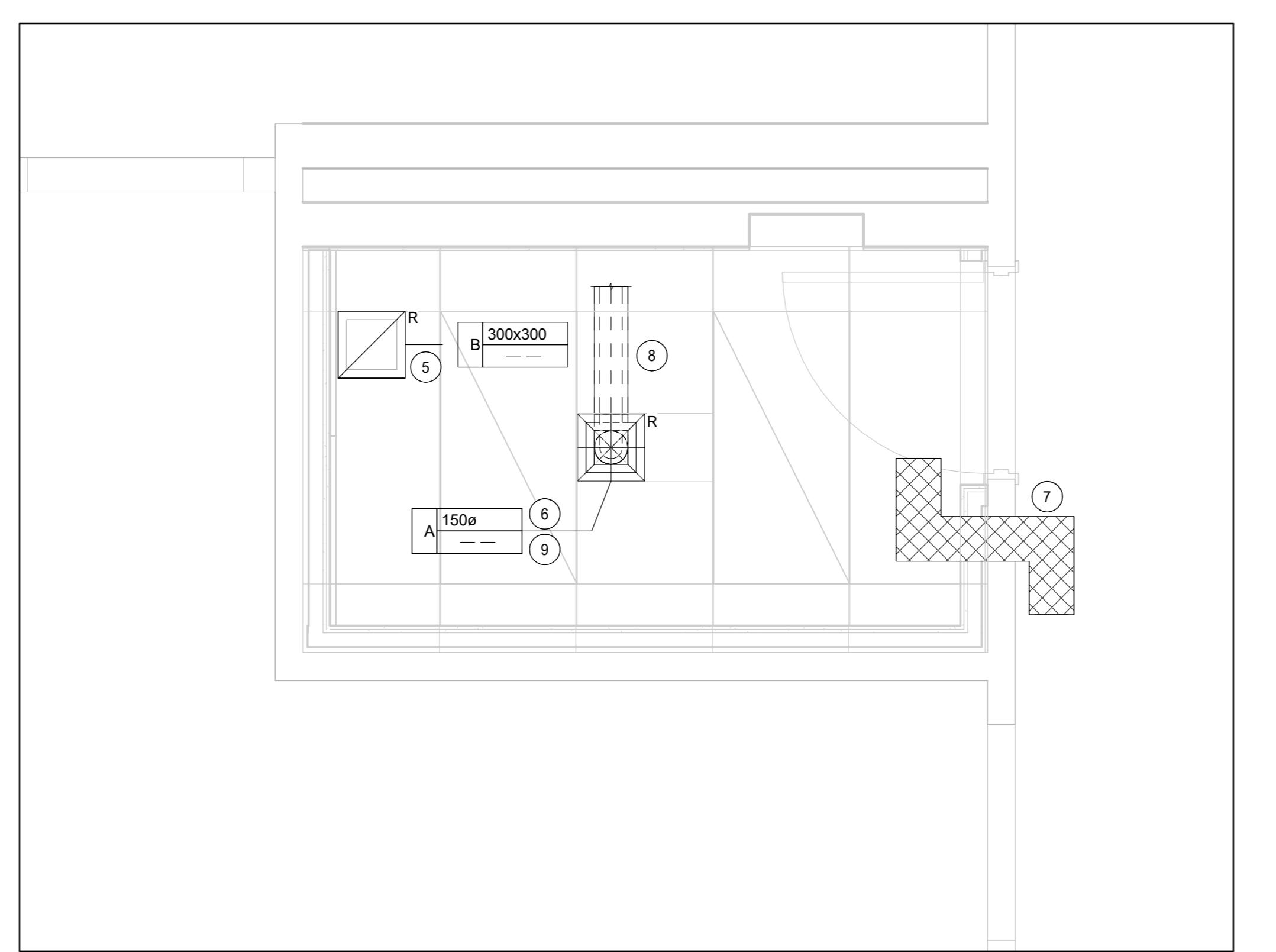
DIFFUSER & GRILLES SCHEDULE					
TYPE	DESCRIPTION	MAKE/ MODEL	MATERIAL	MAXIMUM NC LEVEL	REMARKS
A	SQUARE CONE SUPPLY AIR DIFFUSER	ANEMOSTAT MODEL: E 300X300@150	STANDARD WHITE POWDER COATED	<30	NEW SQUARE CONE SUPPLY DIFFUSER NOMINAL SIZE 300X300 COMPLETE WITH DUCT MOUNTED BALANCING DAMPER AS INDICATED ON DRAWING.
B	RETURN AIR GRILLE	ANEMOSTAT MODEL: GC 300X300	STANDARD WHITE POWDER COATED	<30	GRID CORE RETURN AIR GRILLE NOMINAL SIZE 300X300 MOUNTED ON NEW CEILING.



3 CROSS TALK SILENCER DETAIL
M51-00
SCALE: N.T.S.



1 L-2 - DEMOLITION HVAC PLAN - INTERVIEW ROOM
M51-00
SCALE: 1:20



2 L-2 - NEW HVAC PLAN - INTERVIEW ROOM
M51-00
SCALE: 1:20

GENERAL NOTES

- ALL WORK TO BE IN CONFORMANCE WITH ALL APPLICABLE GOVERNMENT CODES AND AUTHORITIES INCLUDING ONTARIO BUILDING CODE 2024 WITH ALL THE AMENDING REGULATIONS.
- ALL CONTRACT DOCUMENTS ARE TO BE READ IN CONJUNCTION WITH EACH OTHER. WORK IDENTIFIED UNDER ONE TRADE IS NOT TO BE CONSIDERED AS EXCLUDED FROM OR EXCLUDED WORK RESPONSIBILITIES OF BY THAT TRADE FROM BEING IDENTIFIED IN OTHER DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR INTEGRATION AND COORDINATION OF ALL TRADES. ANY DISCREPANCIES BETWEEN ANY TRADES DOCUMENTS OF THE DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO ATTENTION OF THE CONSULTANTS FOR CLARIFICATION.
- DO NOT SCALE DRAWINGS. NOTED DIMENSIONS TAKE PRIORITY OVER SCALE. ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONSULTANT.
- THE CONTRACTOR IS ADVISED TO MAKE A SITE SURVEY AND DETERMINE THE EXACT CONDITIONS ON SITE. THE CONTRACTOR SHALL CONFIRM THE SCOPE OF WORK REQUIREMENTS SHOULD ANY CONDITION REQUIRE FURTHER CLARIFICATION.
- EXISTING CORRIDORS ARE TO REMAIN IN USE AND OPERATIONAL AT ALL TIMES.
- ADHERE TO ALL QUALITY STANDARDS AND REGULATIONS FOR PROCEDURES AND CONDUCT BY ALL TRADES IN AND AROUND THE FACILITY.
- DO NOT UNDERTAKE WORK OUTSIDE THE DESIGNATED WORK AREAS WITHOUT SCHEDULING SAME WITH FACILITY A MINIMUM OF 2 DAYS IN ADVANCE OF INTENTION TO COMMENCE WORK RECONFIRMING 24 HOURS PRIOR TO COMMENCEMENT.
- COORDINATE WORK WITH ARCHITECTURAL, ELECTRICAL DRAWINGS, AV DRAWINGS & DSS REPORTS PRIOR TO PRICING. CLARIFICATIONS AS TO BE REQUESTED DURING TENDER PERIOD WHERE DISCREPANCIES EXIST AND AS REQUIRED.
- DO NOT DAMAGE BRICK, STONE, CONCRETE, CERAMIC, EXISTING PLASTER, PAINT, COATINGS, GLAZING, TILES, ETC. DURING CONSTRUCTION. DO NOT DAMAGE EXISTING PLASTER, PAINT, COATINGS, GLAZING, TILES, ETC. DURING CONSTRUCTION AND CONFIRM PRICING AND CONFIRM ALL SCOPE OF WORK REQUIREMENTS.
- BUILDING EXISTING FIRE PROTECTION SYSTEM SHALL BE OPERATIONAL AT ALL TIMES.
- ALL EXISTING DUCTWORK IS TO BE MAINTAINED IN EXISTING POSITION AND NOT TO BE MOVED OR REMOVED.
- NO EXISTING DRAWINGS ARE AVAILABLE. CONTRACTOR SHALL VERIFY ALL LOCATIONS, ROUTING SIZES AND CONNECTIONS ON SITE.
- PROVIDE ALL NECESSARY SUPPORT FOR DUCTWORK LOCATED IN CEILING VOID.
- CONTRACTOR SHALL REINSTATE ALL RETURN AIR OPENINGS WITH FLEATED FILTERS DURING CONSTRUCTION TO PROTECT FROM DUST AND DEBRIS.
- CONTRACTOR WORK TAKING PLACE IN THE CEILING VOID TO PROTECT AND AVOID ANY DAMAGES TO THE EXISTING SERVICES.
- CONTRACTOR SHALL SUBMIT WRITTEN TAB REPORT FOR CONSULTANT'S REVIEW AND COMMENTS.
- DISCONNECT AND REMOVE WITH CARE EXISTING SUPPLY AIR DIFFUSER TO BE REINSTALLED AT NEW CEILING. PROTECT TEMPORARY DISCONNECTED SUPPLY AIR DUCT FROM DAMAGE. REMOVE EXISTING SUPPLY AIR DUCT CONNECTION TO DIFFUSER UP TO THE MAIN RIGID DUCT.
- REMOVE AND DISCARD EXISTING AIR TRANSFER.
- INSTALL EXISTING RETURN AIR GRILLE REMOVED DURING DEMOLITION PHASE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- PROVIDE ALL NECESSARY ACCESSORIES AND FITTINGS TO INSTALL EXISTING SUPPLY AIR DIFFUSER REMOVED DURING DEMOLITION PHASE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- PROVIDE NEW SUPPLY AIR DUCT TO REPLACE EXISTING REMOVED. NEW SUPPLY DUCT TO BE RIGID ACOUSTICALLY LINEAR FULL LENGTH. REPAIR THEMAL INSULATION AT THE MAIN DUCT CONNECTION.
- INSTALL NEW CROSS TALK SILENCER. SIZE AS PER SCHEDULE.
- WHEN CONSTRUCTION COMPLETED PROVIDE AIR BALANCING AS PER COMMENTS ON PRECONSTRUCTION AIRFLOW REPORT. SUBMIT TAB REPORT FOR REVIEW AND COMMENTS.

GENERAL NOTES

- ALLOW TAB CONTRACTOR ACCESS TO SITE PRIOR TO DEMOLITION START TO PROVIDE AIR FLOW MEASUREMENTS. CONTRACTOR SHALL SUBMIT WRITTEN TAB REPORT FOR CONSULTANT'S REVIEW AND COMMENTS.
- REMOVE EXISTING RETURN GRILLE WITH CARE AND STORE TO BE REINSTALLED AT NEW CEILING.
- DISCONNECT AND REMOVE WITH CARE EXISTING SUPPLY AIR DIFFUSER TO BE REINSTALLED AT NEW CEILING. PROTECT TEMPORARY DISCONNECTED SUPPLY AIR DUCT FROM DAMAGE. REMOVE EXISTING SUPPLY AIR DUCT CONNECTION TO DIFFUSER UP TO THE MAIN RIGID DUCT.
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DATE	ISSUED FOR	REV
2024-12-13	DESIGN DEVELOPMENT	A
2025-04-04	CONSTRUCTION DOCUMENT	B
2025-06-13	TENDER PERMIT	C

4

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Project Component

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STRUCTURAL: NORR ARCHITECTS & ENGINEERS LTD
HARDWARE: SINGER SC
SECURITY: LORO
ACOUSTIC: THORNTON TOMASETTI
CODE: SENEZ CO

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Project Leader: Checked: C.P.
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MECHANICAL LEGEND, SCHEDULE AND LEVEL 2 HVAC PART PLAN

Building No. B20016
Site No. N02556
Scale N.T.S.
Project No. JU1024-0033-00
Drawing No. M51-00

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