CUSTOMER APPROVAL Signature: Printed Name **DESIGN CRITERIA:**





DISCLAIMERS:

1. FIXED POSITION FIRING RANGE:

- TRAJECTORIES START AT 1' ABOVE FINISHED FLOOR AT FIRING LINE. PAST 25 YARDS, SECONDARY TRAJECTORIES DESIGNED TO CONTAIN 6° PROJECTILE DEFLECTION.
- BAFFLE LAYOUT PROVIDES STEEL COVERAGE OF TRAJECTORY + 2" ON BAFFLE/TRAP.
- COVERAGE EXTENDS 36" BEHIND FIRING LINE, PROVIDING A 90° CONTAINMENT AREA AT FIRING LINE.
- BAFFLE ANGLE DESIGNED TO NOT EXCEED 30°
- TARGETRY HEIGHT DESIGNED TO PLACE THE TOP OF HEAD AT 5'-10"

TACTICAL FIRING RANGE:

- TRAJECTORIES START AT 1' ABOVE FINISHED FLOOR AT FURTHEST FIRING POSITION TO 10 YARDS. TRAJECTORIES AT 3 YARD TO 10 YARD LOCATIONS START AT 4' ABOVE FINISHED FLOOR. SECONDARY TRAJECTORIES DESIGNED TO CONTAIN 6° PROJECTILE DEFLECTION
- BAFFLE LAYOUT PROVIDES STEEL COVERAGE OF 1" HORIZONTAL OVERLAP ON BAFFLES AND 2" TRAJECTORY OVERLAP ON TRAP.
- COVERAGE EXTENDS 36" BEHIND FIRING LINE
- LAYOUT PROVIDES A 90° CONTAINMENT AREA FROM THE 3 METER LINE TO THE FURTHEST FIRING POSITION.
- BAFFLE ANGLE DESIGNED TO NOT EXCEED 18°. TARGETRY HEIGHT DESIGNED TO PLACE THE TOP OF HEAD AT 5'-10" AFF.
- M.A.T.C.H. (MODULAR ARMORED TACTICAL COMBAT HOUSE):
- DESIGNED TO CONTAIN ROUNDS FIRED BETWEEN 0"AFF AND 84" AFF. WALLS DESIGNED TO BE A NOMINAL 8' TALL, WITH 84" AFF AND ABOVE DESIGNATED NO SHOOT ZONE.
- WALL SYSTEM AND GRID REFERENCES DESIGNED ON A 4'-0" x 4'-0"
- PAINT SCHEME:
- **RED PAINT NO SHOOT ZONE**
- WHITE PAINT SHOOT ZONE
 - WHEN CONFIGURING TRAINING SCENARIO'S BE AWARE OF THE TRAJECTORY OF THE ROUND AFTER IT PENETRATES THE INTENDED TARGET.
- TAN PAINT CAUTION ZONE
- ROUNDS HAVE POTENTIAL TO PENETRATE THIS ZONE.
- BUILDING / EQUIPMENT ACCESS:
- SCREW CONVEYOR SYSTEM / DUST COLLECTION SYSTEM: SUGGESTED ACCESS AREA AROUND EQUIPMENT FOR THE **DISPOSE OF COLLECTED MATERIALS IS:**
 - 4'-6" FOR A FORKLIFT
- 3'-0" FOR A PALLET JACK
- SPACE NEEDED FOR MATERIALS INSTALLATION AND INSTALLATION **EQUIPMENT:**
- SUGGESTED ACCESS AREA TO RANGE AREA: (FOR ENTIRE **DURATION OF INSTALLATION)**
- MIN (1) 4'-6" WIDE BY 7'-6" TALL ACCESS PER RANGE/BAY

5. CONCRETE SPECS

- ALL CONCRETE MUST HAVE A FLATNESS TOLERANCE OF 1/8" OVER 20' (3MM OVER 6M) FOR ANY CONCRETE WORK WHERE ACTION TARGET EQUIPMENT WILL BE INSTALLED AND/OR ATTACHED (WALLS AND FLOOR). CONCRETE SURFACES MUST NOT BE CROWNED OR SLOPED UNLESS SPECIFICALLY NOTED ON ACTION TARGET DRAWINGS.
- RANGE FLOOR CONCRETE SHOULD BE 3,000 PSI MINIMUM, IDEALLY 5.000 PSI. IF CMU BLOCKS ARE USED FOR RANGE SIDE WALLS. THEY SHOULD BE HIGH DENSITY BLOCKS OF AT LEAST 4,000 PSI, CAVITIES MUST BE FILLED WITH 4,000 PSI CONCRETE. MORTAR LINES SHOULD BE "FLUSH" WITH THE BLOCK INSIDE RANGE AND NOT "INDENTED".

NOTICE TO BUILDER & ALL SUBCONTRACTORS

THESE DOCUMENTS PROVIDE INFORMATION ONLY ABOUT ACTION TARGET'S PRODUCTS AND NOTHING MORE. IT IS THE INTENT OF ACTION TARGET THAT THESE DOCUMENTS BE ACCURATE, PROVIDING LICENSED PROFESSIONALS CLEAR INFORMATION. EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE CUSTOMER, OWNER, BUILDER, AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL THE INFORMATION CONTAINED IN THESE DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. ACTION TARGET IS NOT RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO ACTION TARGET PRIOR TO CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH THE INFORMATION FOUND IN THESE DOCUMENTS. ANY SHOULD BE DIRECTED TO OUR OFFICE AT (801) 377-8033 IMMEDIATELY. NO TARGET WITHOUT ADVANCED NOTIFICATION AND APPROVAL BY ACTION TARGET. PAYMENTS WILL BE MADE IN ACCORDANCE WITH THE TERMS OF

ELECTRICAL

WHERE ELECTRICAL CONTRACTOR IS REQUIRED ALL ACTION TARGET INC. ELECTRICAL DRAWINGS WILL BE USED ONLY AS REFERENCE MATERIAL FOR THE ELECTRICAL CONTRACTOR TO UTILIZE IN THEIR DESIGN OF THE COMPLETE BUILDING / RANGE SYSTEM (UNLESS NOTED OTHERWISE.) FINAL LOCATION OF ELECTRICAL EQUIPMENT CONTAINED IN THE ACTION TARGET INC. ELECTRICAL LAYOUTS TO BE VERIFIED WITH ACTION TARGET INC., ELECTRICAL CONTRACTOR, AND CUSTOMER BEFORE INSTALLATION

ARCHITECTURAL:

ALL BUILDING MEASUREMENTS ARE TO BE CONSIDERED ACTION TARGET INC. SUGGESTIONS, UNLESS PROPER DIMENSIONAL PLANS / INFORMATION HAS BEEN PROVIDED. ACTION TARGET INC. IS NOT LIABLE FOR ANY CONFLICTS BETWEEN ITS EQUIPMENT AND ANY VARIATIONS FROM THE BUILDING DESIGN (AS PORTRAYED FROM CUSTOMER TO ACTION TARGET INC. EITHER BY PROVIDED PLANS OR OTHER FORM OF COMMUNICATION) AND THE COMPLETED BUILDINGS DIMENSIONS AND LAYOUT. ADDITIONAL MATERIAL AND PRODUCT REDESIGN MAY BE REQUIRED IF THE STRUCTURE VARIES FROM INDICATED SIZE AND LAYOUT.

STRUCTURAL:

WHERE ENGINEER IS REQUIRED ALL ITEMS PERTAINING TO ACTION TARGET INC. MATERIALS AND EQUIPMENT, AND IT'S CONNECTION TO / SUPPORT FROM THE STRUCTURE IS TO BE VERIFY AND APPROVED BY THE ENGINEER OF RECORD. ALL ACTION TARGET INC. PLANS INDICATING ANCHOR SIZES AND CONNECTION METHOD, CONCRETE DEPTH, REBAR LAYOUTS, AND ANY OTHER ITEMS PERTAINING TO THE CONNECTION AND SUPPORT OF ACTION TARGET INC. EQUIPMENT TO BE UTILIZED BY ENGINEER AS ACTION TARGET INC.'S PREFERRED METHOD.

USE AND REPRODUCTION:

THE USE OF THESE PLANS SHALL BE RESTRICTED TO THE ORIGINAL PROJECT SITE FOR WHICH THEY WERE PREPARED. PUBLICATIONS EXPRESSLY LIMITED TO SUCH USE, RE-USE, REPRODUCTION, OR PUBLICATION BY ANY METHOD IN WHOLE OR PART IS PROHIBITED, UNLESS WRITTEN CONSENT IS PROVIDED BY ACTION TARGET INC. DRAWINGS REMAIN THE PROPERTY OF ACTION TARGET INC. WITHOUT RESERVATION.

• SHEETS Z5XX.X STANDARD DETAIL SHOWN FOR REFERENCE ONLY ACTUAL INSTALLATION MAY VARY.

GENERAL ELECTRICAL NEEDS:

- RANGE WILL HAVE 120/240 VAC AND MULTIPLE 20 AMP CIRCUITS PROVIDED BY OTHERS IF ANY OF THE FOLLOWING CONDITIONS ARE PRESENT IN ATTACHED RANGE DESIGN:
- TARGETRY IS PRESENT

ABBREVIATIONS:

ABBREVIATED

APROX

ATI

AWG

BOT

CFM

DCU

EMT

HVAC

LBS

MDU

NTS

PSI

RBT

SCS

TCT

TCT 2

TCT 4

TYP

UNO

UON

GSR

SRAS

TCT 4D

SPKR

EQ APROX

- TARGETRY CONTROL EQUIPMENT IS PRESENT
- STALL (AND/OR) RANGE LIGHTING IS PRESENT.
- COMMUNICATION SYSTEMS ARE PRESENT. A DUST COLLECTION UNIT IS PRESENT
- AN AIR COMPRESSOR IS PRESENT 2. RANGE WILL HAVE MULTIPLE 3 PHASE 208/240/480 VAC DISCONNECTS PROVIDED BY OTHERS IF ANY OF THE FOLLOWING CONDITIONS ARE PRESENT IN ATTACHED RANGE DESIGN:
- A SCREW CONVEYOR SYSTEM IS PRESENT. (TYPICALLY UTILIZES:
- OR MORE 3HP 3 PHASE MOTORS) A DUST COLLECTION UNIT IS PRESENT
- CUSTOMER TO PROVIDE ACCESS TO INTERNET FOR ACTION TARGET EQUIPMENT.
- THE \triangle DENOTES HOME RUN OF CAT5e OR GREATER FROM DATA XX JACK LOCATION TO GENESIS RANGE SERVER PATCH PANEL

- THE (XX) DENOTES PORT ID# AND CORRESPONDING PATCH PANEL

SHEET INDEX:

INDEX PAGE Z101.1 RANGE 1 & 2 PLAN Z101.2 CLAYHOUSE PLAN BAFFLE HANGING POINTS REFLECTED CEILING PLAN TRAP FOOTPRINT & LAYOU

RANGE 1 & 2 SECTION CLAYHOUSE SECTION

Z302 RANGE 1 & 2 INSTALL DIMENSIONS & TRACK LAYOUT FIXED INTEGRATED BAFFLE (Z PURLIN) DETAILS

RUBBER BERM TRAP DETAILS GENESIS PRO DETAILS AMERICAN STALL DETAILS WALL PEPP DETAILS

GENERAL ELECTRICAL NOTES ELECTRICAL PLAN Z703.2 SERVER RACK DETAILS

Z731.3 GENESIS PRO ELECTRICAL SCHEMATIC

XX WIRING LOCATION.

APPROXIMATE / APPROXIMATELY

APPROXIMATE / APPROXIMATELY

UN-ABBREVIATED

ABOVE FINISHED FLOOR

AMERICAN WIRE GAUGE

CUBIC FEET PER MINUTE

ELECTRICAL METALLIC TUBING

HEATING, VENTILATION, AND AIR CONDITIONING

DUST COLLECTION UNIT

EQUAL APPROXIMATE

POUNDS PER SQUARE INCH

SCREW CONVEYOR SYSTEM

TOTAL CONTAINMENT TRAP

UNLESS NOTED OTHERWISE

UNLESS OTHERWISE NOTED

SMART RANGE AXIS SCREEN

GENESIS SERVER RACK

TOTAL CONTAINMENT TRAP VERSION 2

TOTAL CONTAINMENT TRAP VERSION 4

TOTAL CONTAINMENT TRAP VERSION 4D

MOTOR DRIVE UNIT

RUBBER BERM TRAP

NOT TO SCALE

ACTION TARGET INC.

BOTTOM OF STEEL

BOTTOM

POUNDS

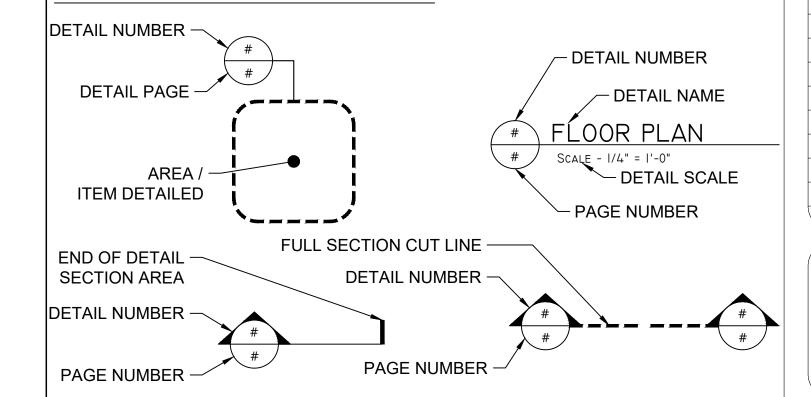
SPEAKER

TYPICAL

CENTER LINE

EQUAL / EQUALS

SYMBOLS & CALLOUTS



DIMENSIONS CLARIFICATION:

 ALL DIMENSION LINES SHOW DEFAULT OF U.S. STANDARD UNITS, WITH METRIC UNITS AS SECONDARY INDICATED BY THERE LOCATION BETWEEN THE FOLLOWING SYMBOLS []

SEE EXAMPLE BELOW FOR CLARIFICATION: METRIC (METERS) STANDARD -20'-0" [6.10]

PROJECT STATUS-

100% SUBMITTAL

-PROJECT NAME

FIREARMS OUTLET CANADA-DESIGN

Project Manage Territory Manage WYATT DAVIS Project Enginee **ROB DECOSTA** Drawn By: Approved By: JAMIE HADERLIE Origination Date 02/20/25

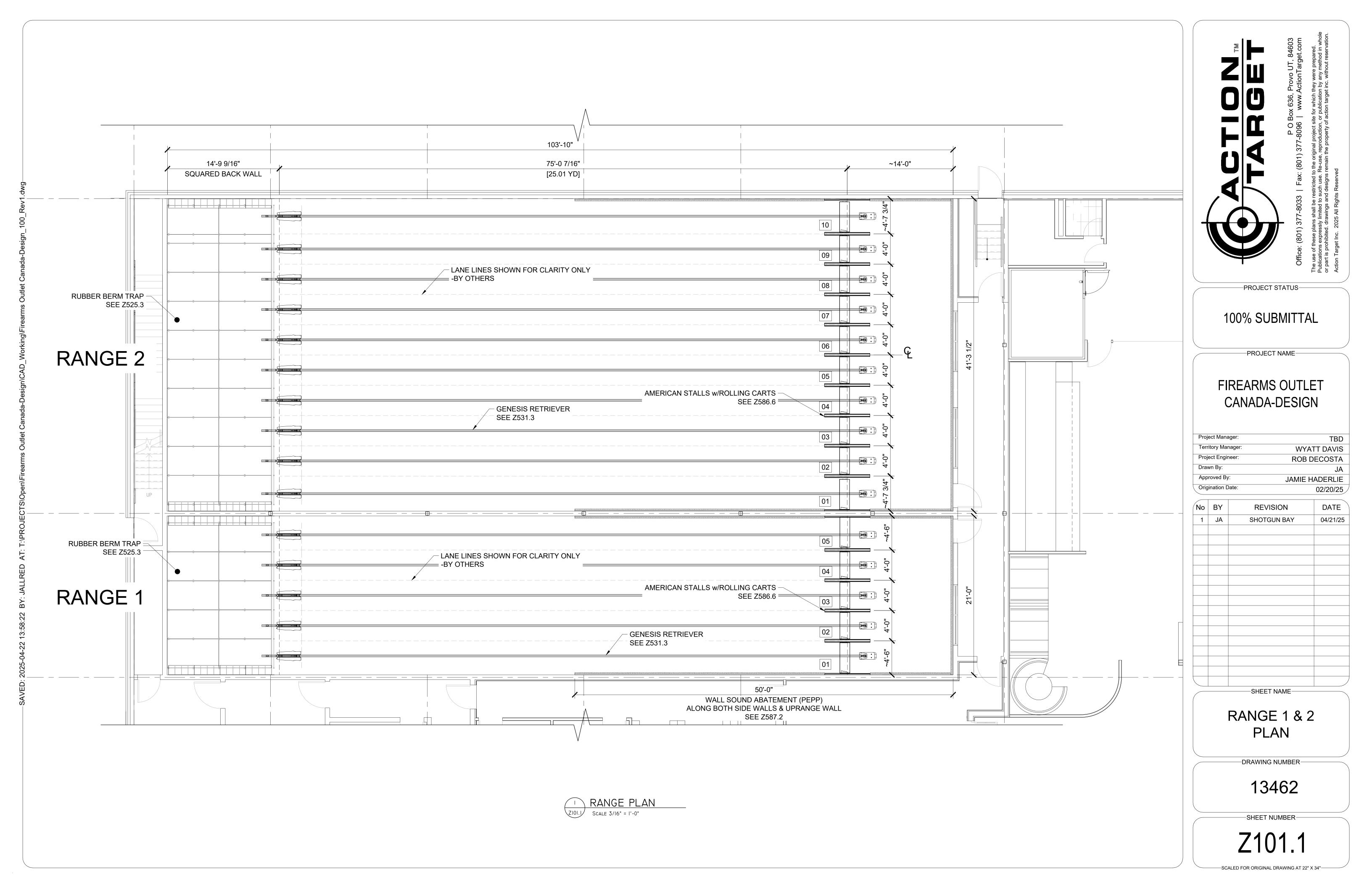
1	JA	SHOTGUN BAY	04/21/25
		SHEET NAME	

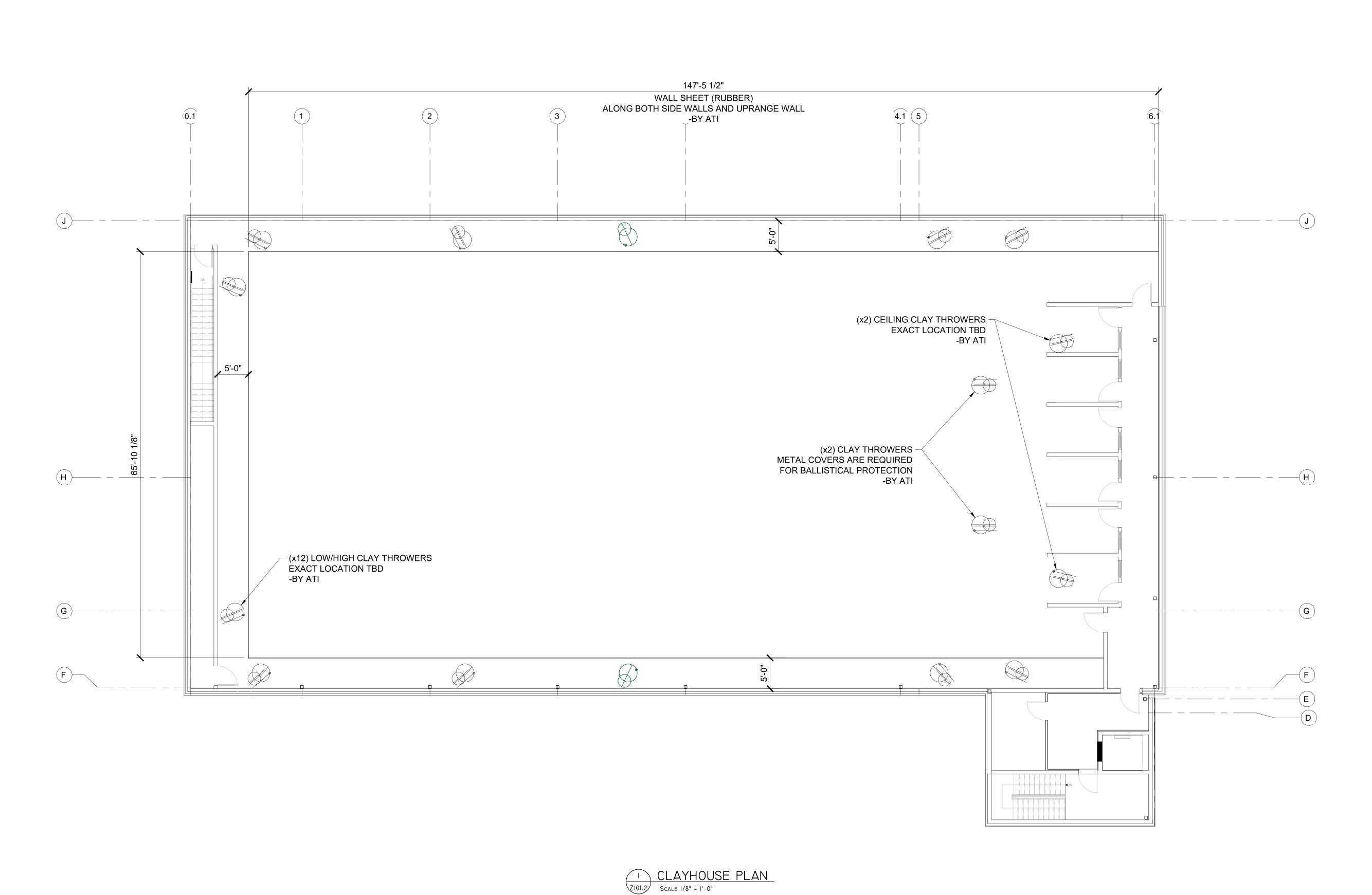
INDEX **PAGE**

-DRAWING NUMBER

13462

-SHEET NUMBER







100% SUBMITTAL

---PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

Pro	ject Mana	ager:		TBD	
Ter	ritory Ma	nager:	WYATT DAVIS		
Project Engineer:			ROB DECOSTA		
Dra	wn By:		JA		
App	roved By	<i>/</i> :	JAMIE H	ADERLIE	
Orig	gination D	oate:		02/20/25	
				_	
No	BY		REVISION	DATE	

No	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/25

SHEET NAME

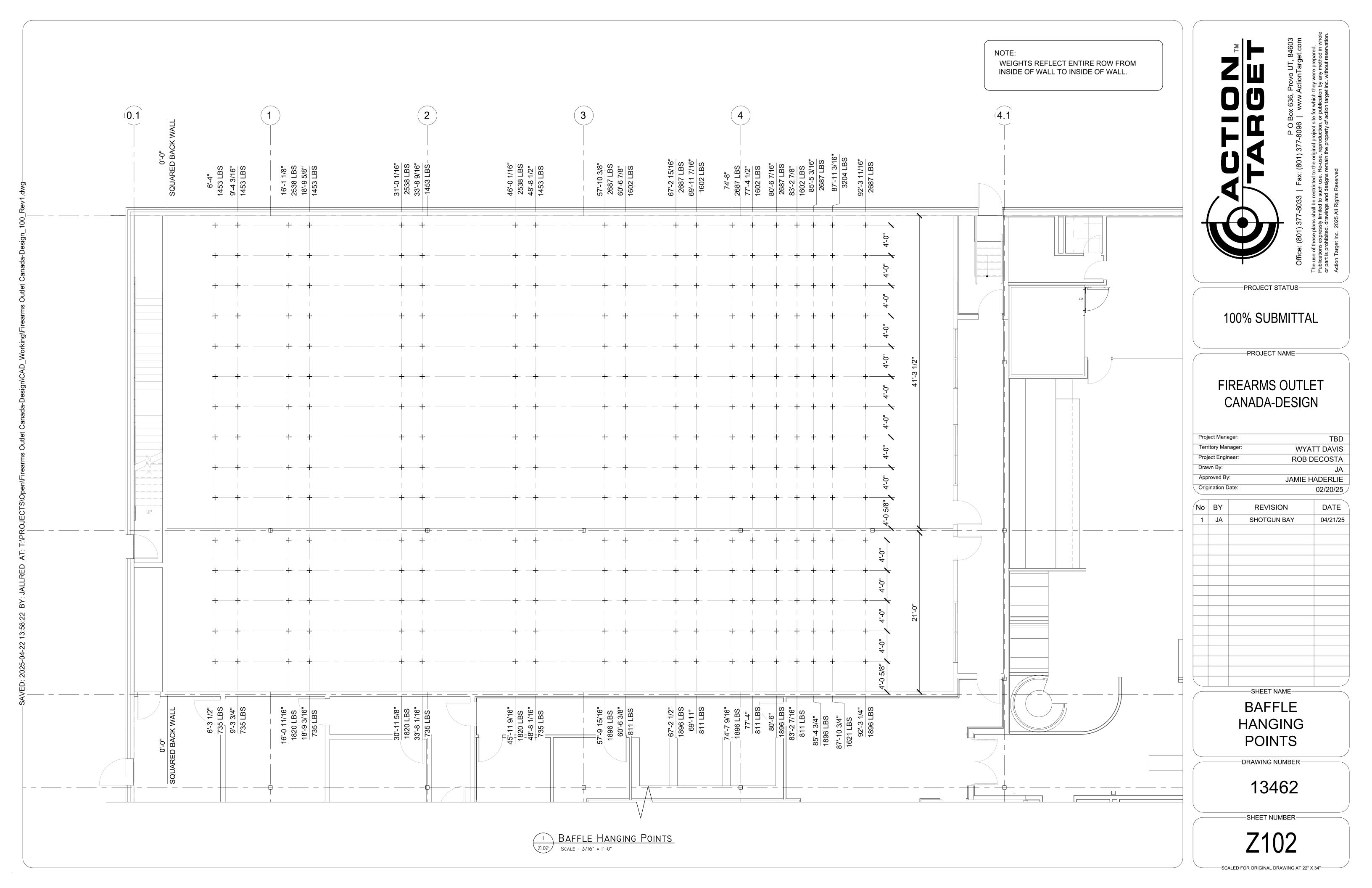
CLAYHOUSE PLAN

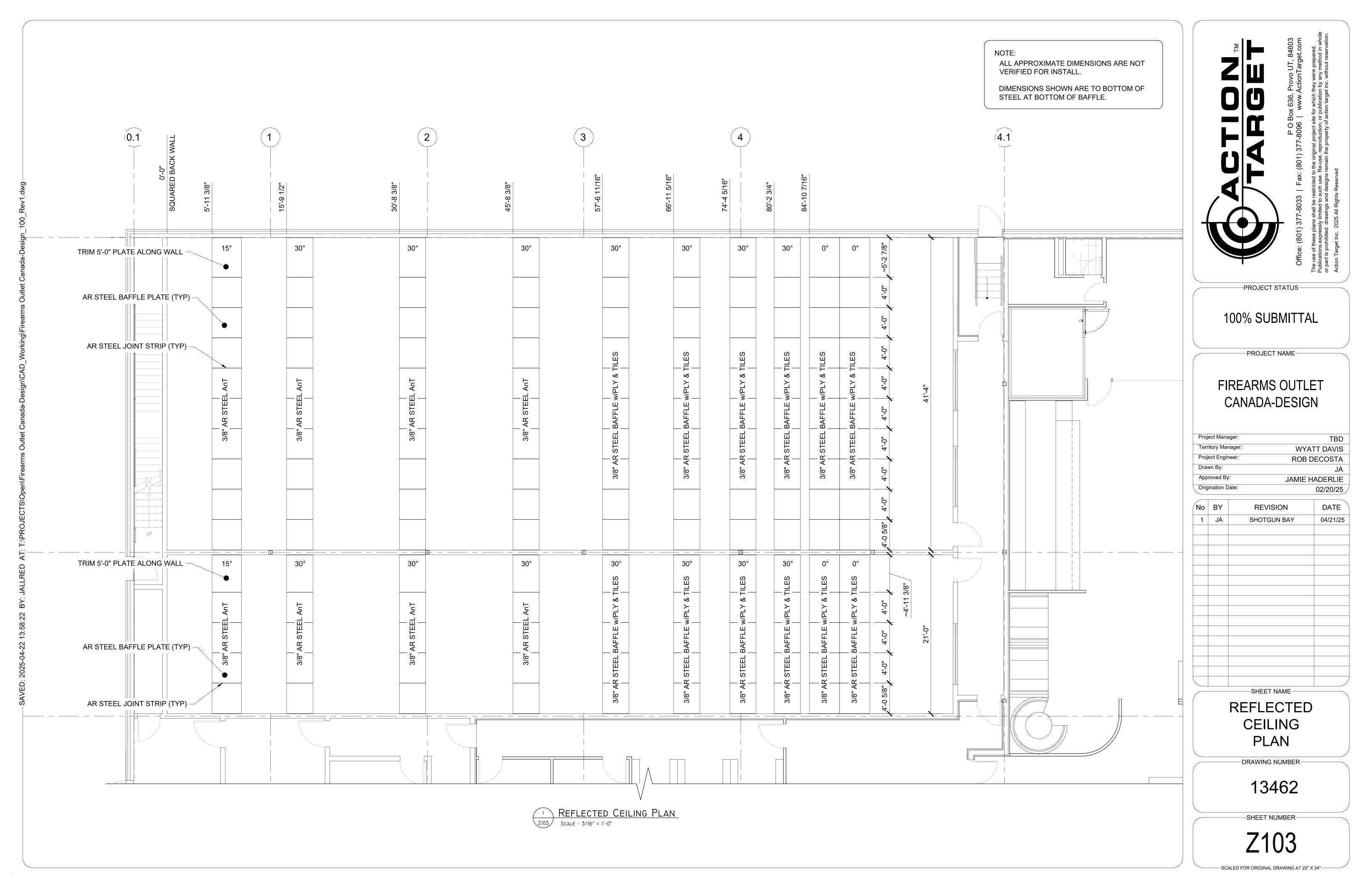
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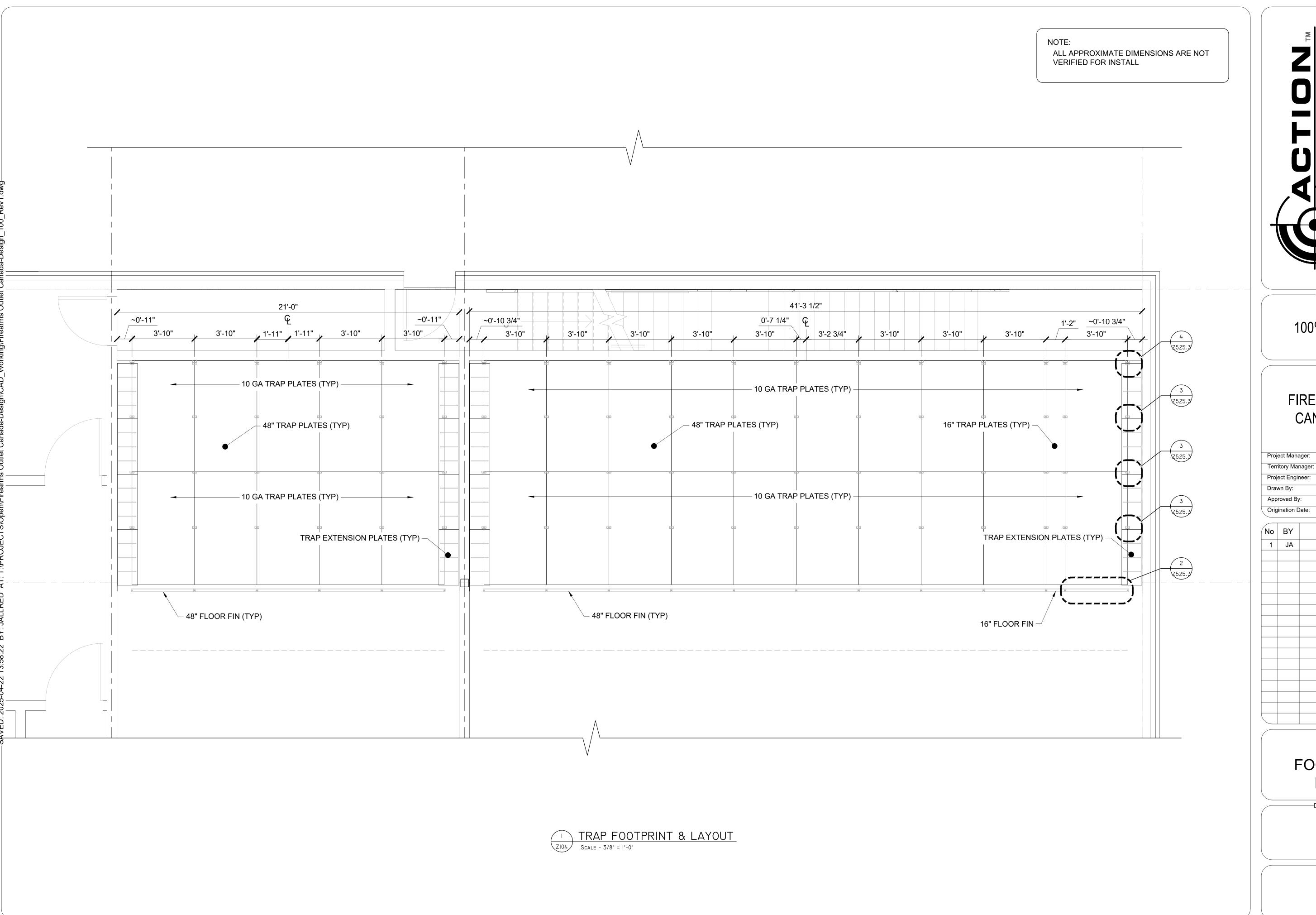
13462

SHEET NUMBER

Z101.2









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100% SUBMITTAL

PROJECT STATUS

---PROJECT NAME--

FIREARMS OUTLET CANADA-DESIGN

TBD

Territory Manager:			W	YATT DAVIS	
Proj	ect Engi	neer:	ROB DECOSTA		
Drav	vn By:			JA	
Арр	roved By	/ :	JAMII	E HADERLIE	
Orig	ination [Date:		02/20/25	
No	BY	Ь	EVISION	DATE	
INO	DΙ	I N	EVISION	DATE	
1	JA	SH	OTGUN BAY	04/21/25	

SHEET NAME

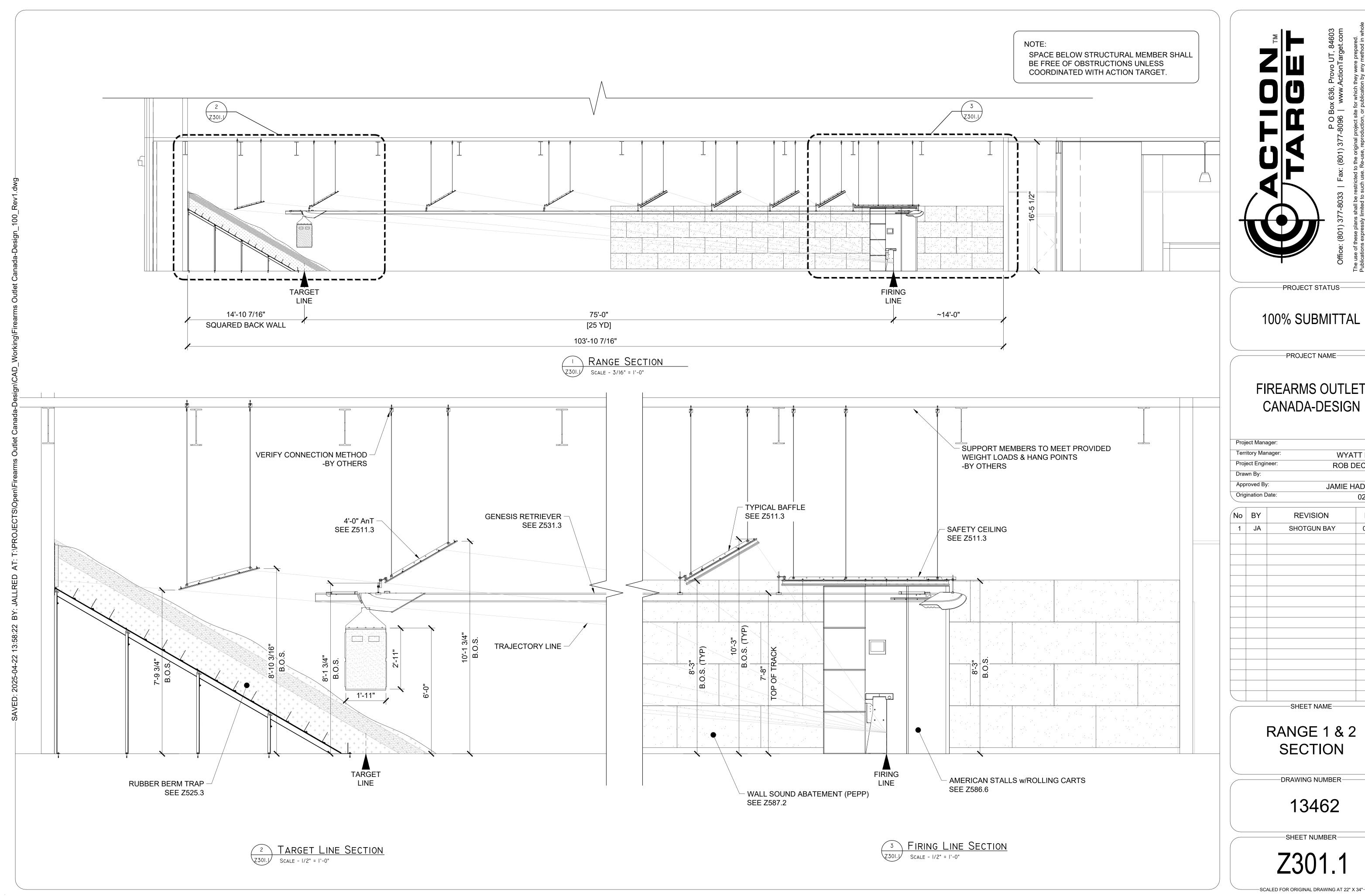
TRAP FOOTPRINT & LAYOUT

DRAWING NUMBER

13462

SHEET NUMBER

Z104



100% SUBMITTAL

-PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

	Proj	ect Mana	ager:	TBD
	Terr	itory Maı	nager: WYA	TT DAVIS
	Proj	ect Engir	neer: ROB D	ECOSTA
	Drav	wn By:		JA
	Арр	roved By	JAMIE H	ADERLIE
	Orig	ination D	Pate:	02/20/25
	No	BY	REVISION	DATE
	1	JA	SHOTGUN BAY	04/21/25

No	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/25

SHEET NAME

RANGE 1 & 2 SECTION

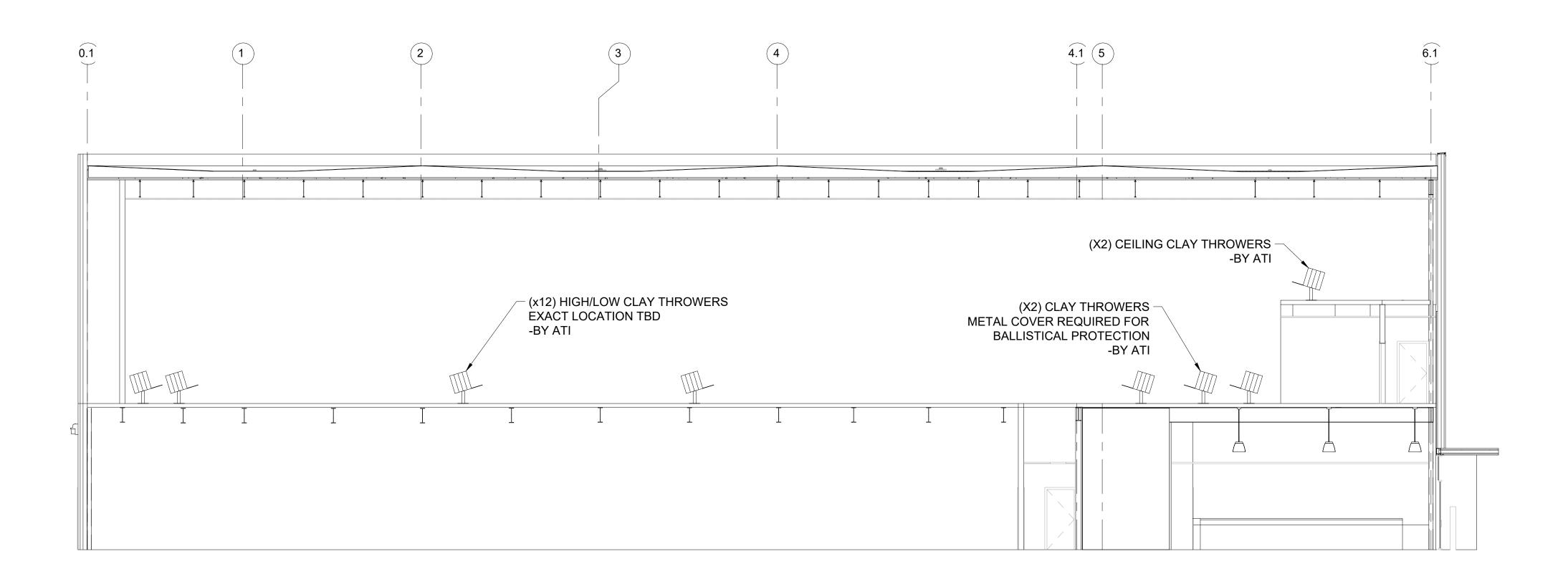
-DRAWING NUMBER-

13462

SHEET NUMBER-

Z301.1

SPACE BELOW STRUCTURAL MEMBER SHALL BE FREE OF OBSTRUCTIONS UNLESS COORDINATED WITH ACTION TARGET.



CLAYHOUSE SECTION

SCALE - 1/8"=1"-0"



PROJECT STATUS

100% SUBMITTAL

PROJECT NAME

FIREARMS OUTLET CANADA-DESIGN

- 1							
		Proj	ect Mana	ager:		TBD	
		Terr	itory Maı	nager:	WYATT DAVIS		
		Proj	ect Engir	neer:	ROB D	ECOSTA	
		Drawn By: Approved By: Origination Date:			JA JAMIE HADERLIE		
						02/20/25	
		No	BY		REVISION	DATE	

No	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/25

SHEET NAME

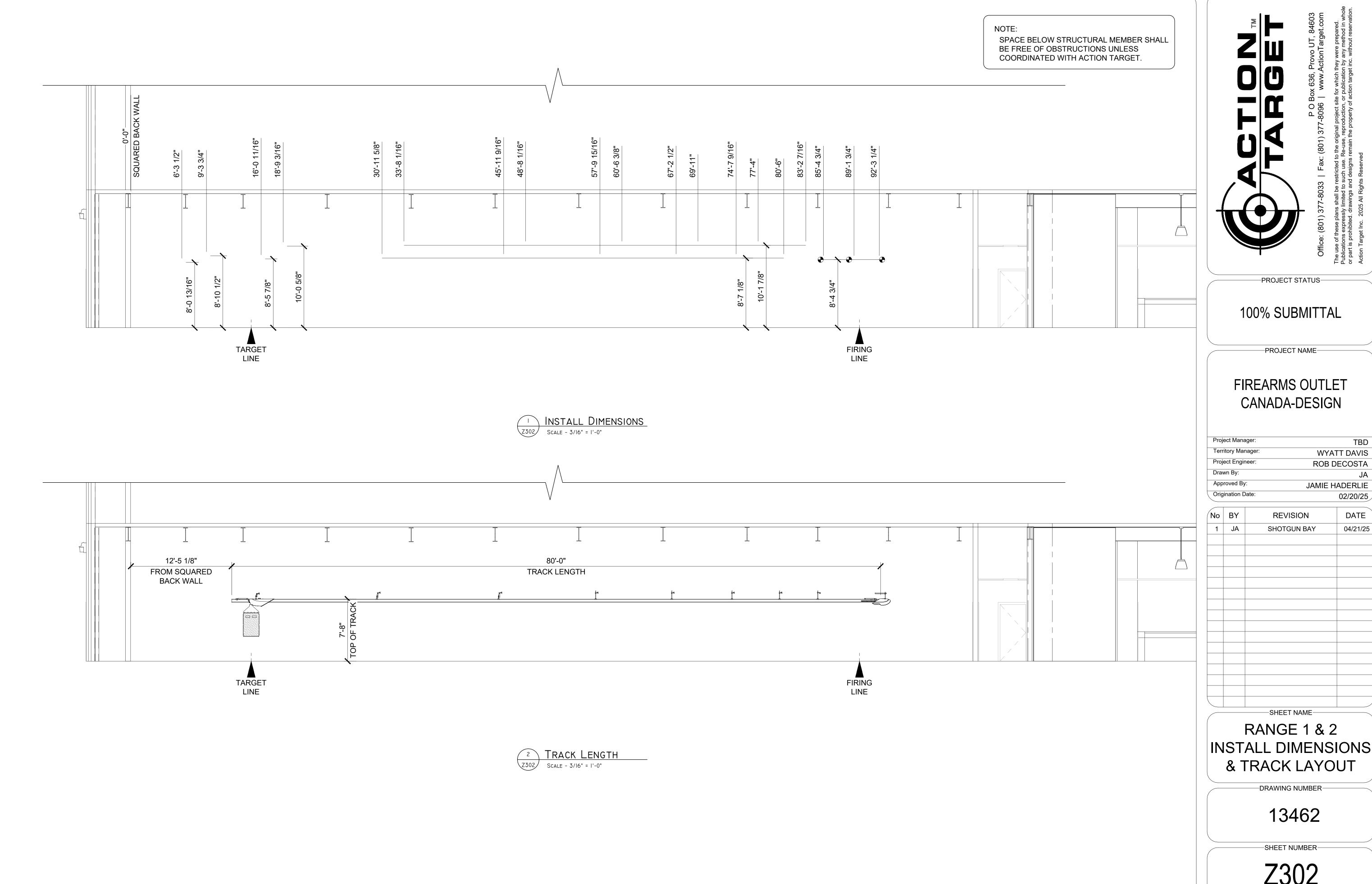
CLAYHOUSE SECTION

DRAWING NUMBER

13462

SHEET NUMBER

Z301.2



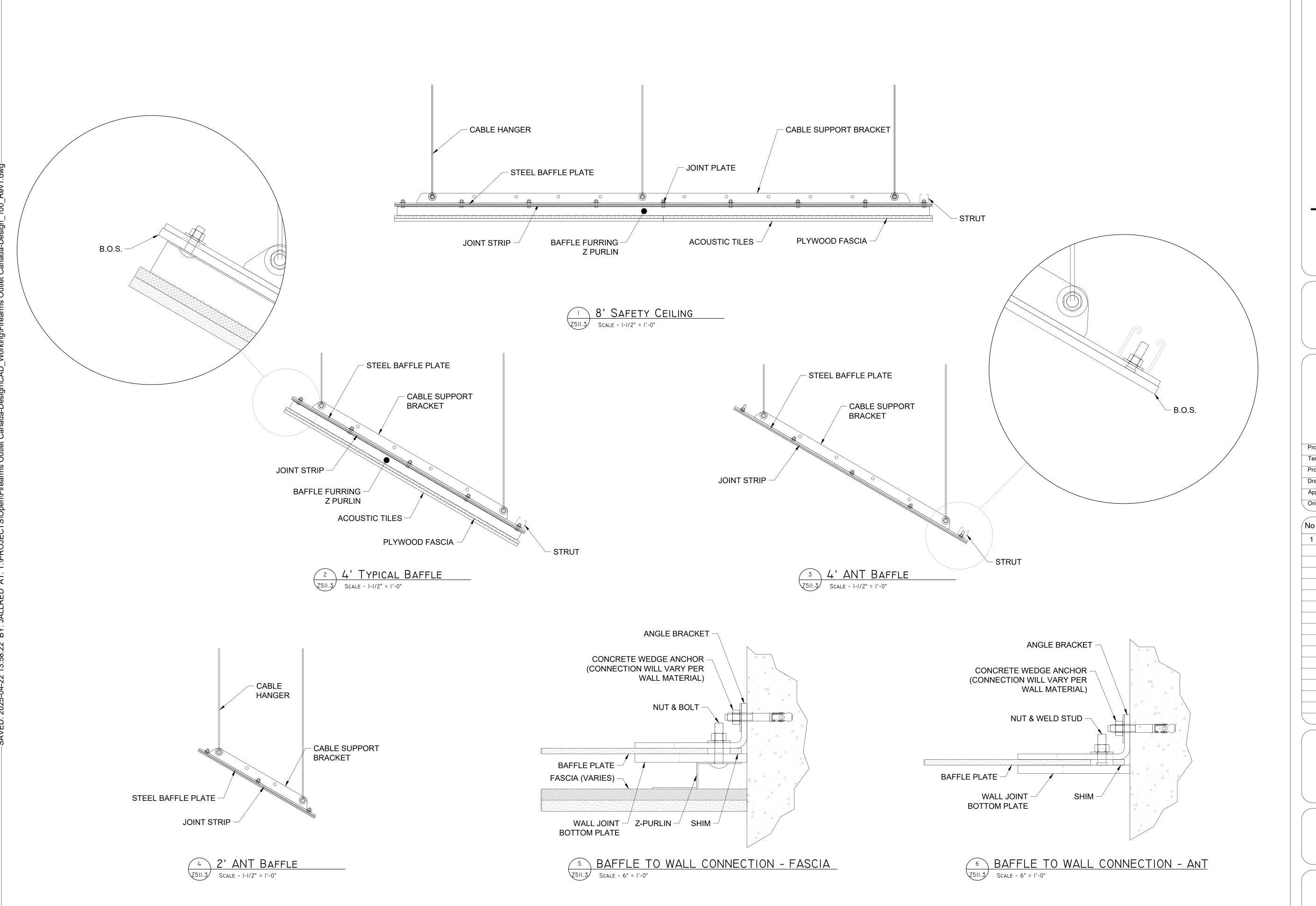
FIREARMS OUTLET CANADA-DESIGN

WYATT DAVIS

Drawn By:			JA		
Approved By:		O/ NVIIL I	IADERLIE		
Orig	ination [Date:	02/20/25		
No	BY	REVISION	DATE		
1	JA	SHOTGUN BAY	04/21/25		

INSTALL DIMENSIONS & TRACK LAYOUT

Z302





100% SUBMITTAL

---PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

Project Manager:	TBD
Territory Manager:	WYATT DAVIS
Project Engineer:	ROB DECOSTA
Drawn By:	JA
Approved By:	JAMIE HADERLIE
Origination Date:	02/20/25

No	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/2

INTEGRATED

BAFFLE DETAILS FIXED

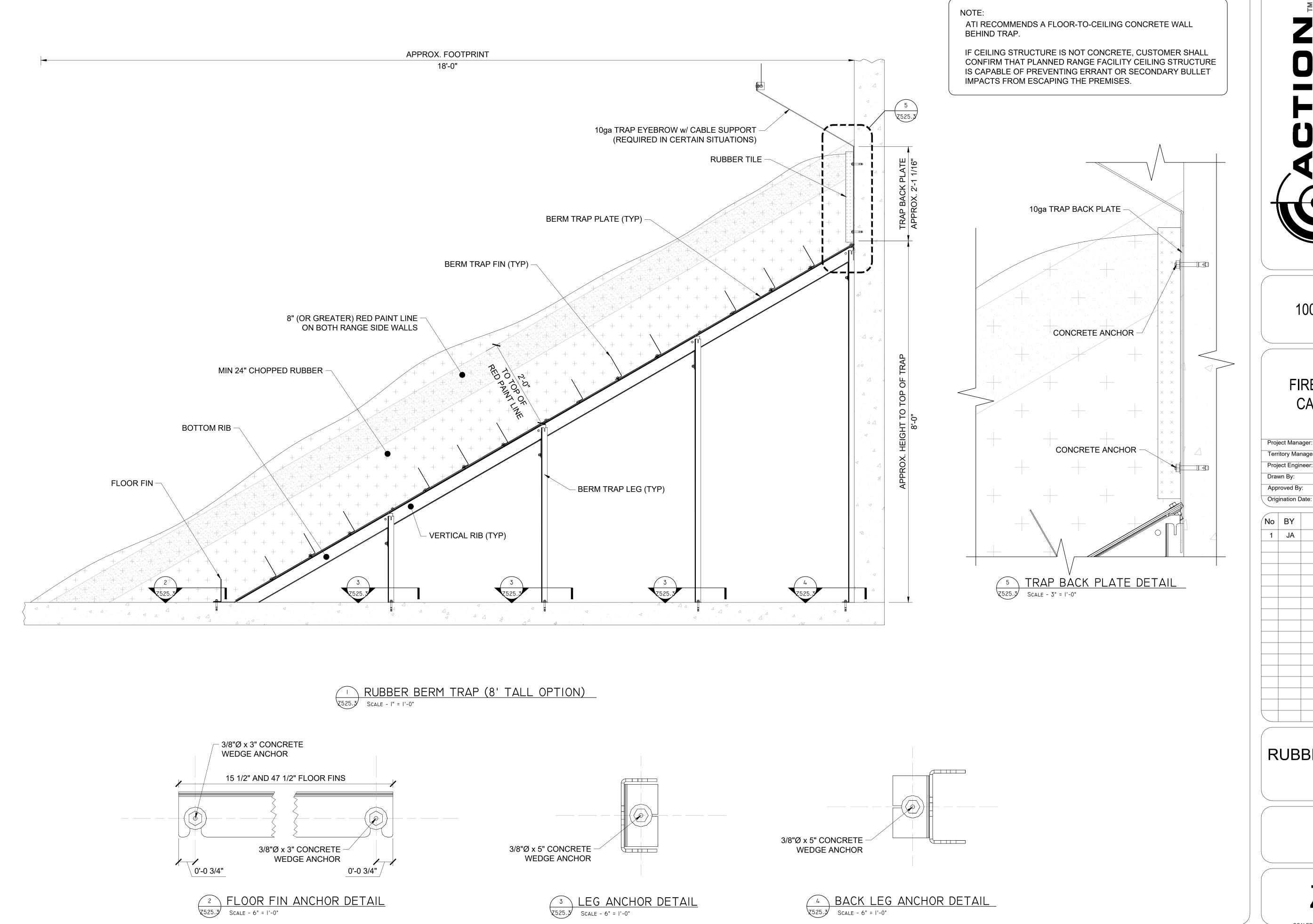
-SHEET NAME-

-DRAWING NUMBER

13462

---SHEET NUMBER-

Z511.3



100% SUBMITTAL

-PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

Project Manager: TBD
Territory Manager: WYATT DAVIS
Project Engineer: ROB DECOSTA
Drawn By: JA
Approved By: JAMIE HADERLIE

02/20/25

No	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/25

SHEET NAME-

RUBBER BERM TRAP DETAILS

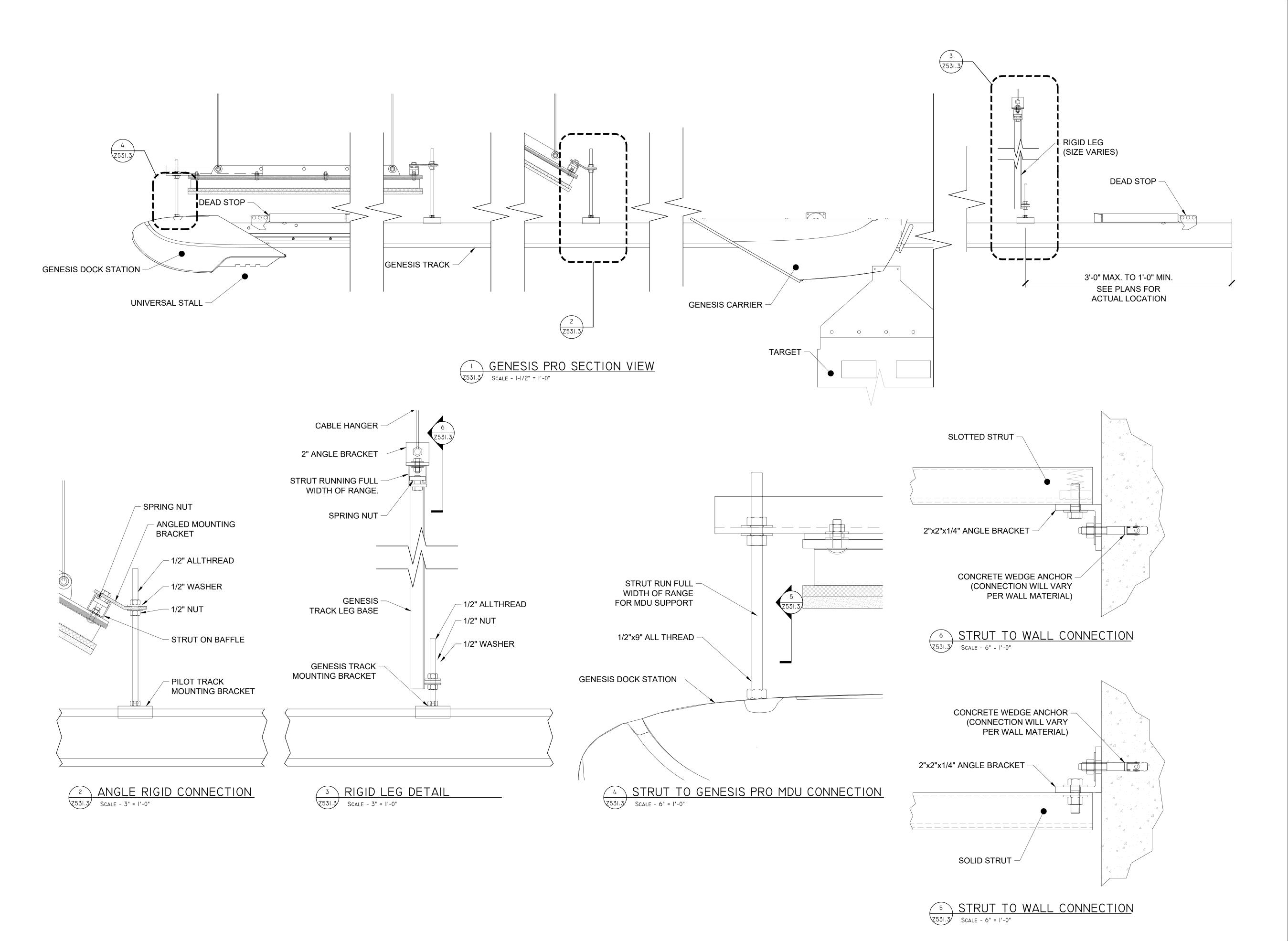
—DRAWING NUMBER

13462

-SHEET NUMBER-

-SCALED FOR ORIGINAL DRAWING AT 22" X 34"

Z525.3





100% SUBMITTAL

---PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

TBD

Project Manager:

Territory Manager:			W`	YATT DAVIS	
Project Engineer:			ROI	B DECOSTA	
Drav	wn By:			JA	
App	roved By	y :	JAMIE	HADERLIE	_
Orig	ination [Date:		02/20/25	_
No	BY		REVISION	DATE	\
1	JA		SHOTGUN BAY	04/21/25	
	I	1		1	

SHEET NAME

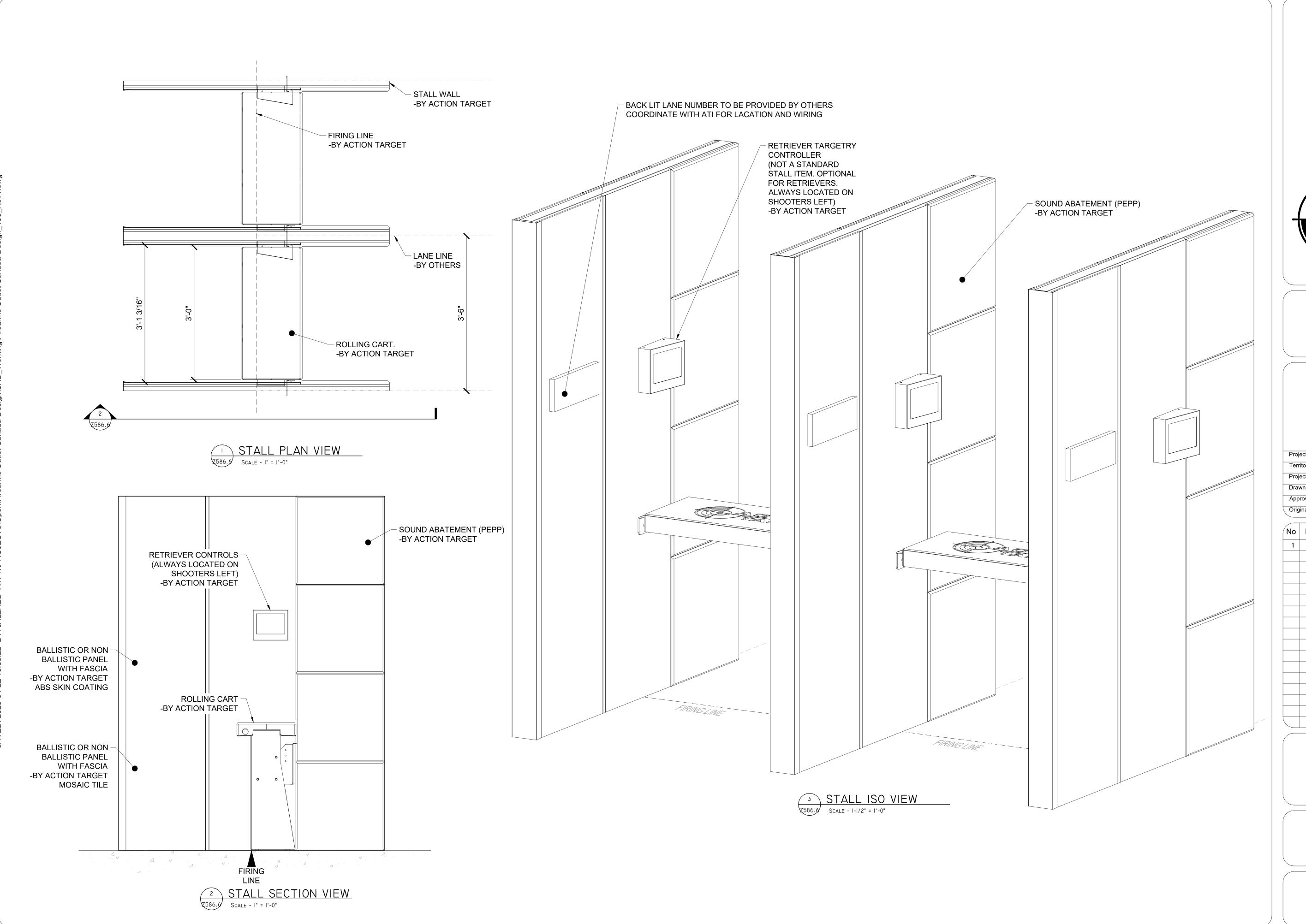
GENESIS PRO DETAILS

-DRAWING NUMBER

13462

—SHEET NUMBER-

Z531.3





O

100% SUBMITTAL

PROJECT STATUS

---PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

TBD
WYATT DAVIS
ROB DECOSTA
JA
JAMIE HADERLIE
02/20/25

νo	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/25
_			

—SHEET NAME-

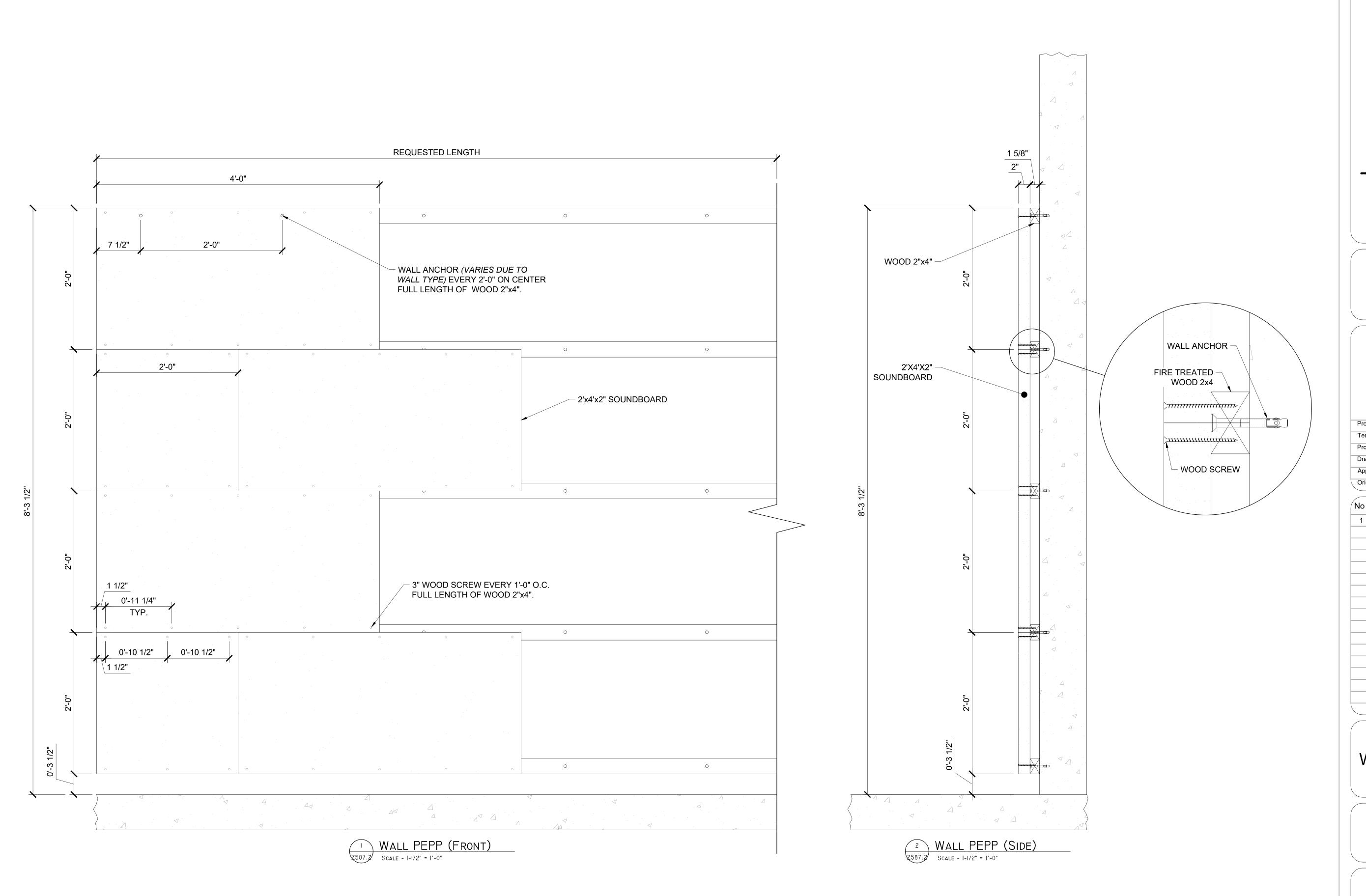
AMERICAN STALL DETAILS

----DRAWING NUMBER-

13462

SHEET NUMBER

Z586.6





100% SUBMITTAL

---PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

Project Manager:	TBD
Territory Manager:	WYATT DAVIS
Project Engineer:	ROB DECOSTA
Drawn By:	JA
Approved By:	JAMIE HADERLIE
Origination Date:	02/20/25

No	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/25

SHEET NAME

WALL PEPP DETAILS

-DRAWING NUMBER

13462

SHEET NUMBER-

Z587.2

ELECTRICAL GENERAL NOTES

-GENERAL ELECTRICAL NOTES FOR INDOOR AND OUTDOOR RANGES:

- 1. INSTALLATION OF ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING REGULATIONS, CODES, ETC.
- A. LOCAL CODES AND ORDINANCES
- B. THE EDITION OF THE NATIONAL ELECTRICAL CODE NFPA 70 (NEC) IN EFFECT 2. PRIOR TO BEGINNING ANY WORK, SECURE NECESSARY PERMITS OR CLEARANCES FROM THE AUTHORITIES HAVING JURISDICTION. PROVIDE ALL LABOR AND MATERIALS FOR A COMPLETE INSTALLATION. WORK SHALL BE EXECUTED BY EXPERIENCED ELECTRICIANS WHO ARE LICENSED IN THE JURISDICTION WHERE THE PROJECT IS LOCATED. 3. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED.
- 4. THE ELECTRICAL PLANS ARE DIAGRAMMATIC ONLY. COORDINATE ELECTRICAL EQUIPMENT LOCATION AND INSTALLATION WITH EQUIPMENT BEING SERVED. PROVIDE
- ALL POWER AND TELECOMMUNICATION FINAL CONNECTIONS TO THE SYSTEM FURNITURE AS REQUIRED. 5. ALL EQUIPMENT SUCH AS RELAYS, SWITCHES, PANELS, AND OTHER APPURTENANCES
- SHALL HAVE IDENTIFICATION PLATES OF BLACK LAMINATED PLASTIC WITH 1/2" WHITE LETTERS. ALL JUNCTION BOXES IN CEILING CAN BE MARKED WITH BLACK PERMANENT MARKER ON COVER PLATES AS PANEL DESIGNATION AND CIRCUIT NUMBER FROM WHICH THEY ARE FED.
- 6. ALL CONDUCTORS SHALL BE IDENTIFIED. ALL WIRING DEVICES SHALL BE USED WITH TYPED LABEL ON THE COVER PLATE IDENTIFYING THE PANEL DESIGNATION AND CIRCUIT NUMBER FROM WHICH THEY ARE FED.
- 7. ALL EQUIPMENT SHALL BE "UL" LISTED.
- 8. ELECTRICAL SYSTEMS SHALL BE GROUNDED PER ARTICLE 250 OF THE NATIONAL FLECTRICAL CODE.
- 9. ALL CONNECTIONS TO DEVICES SHALL BE TAPED WITH SCOTCH 33 ELECTRICAL TAPE. 10. ALL CONDUITS AND JUNCTION BOXES SHALL BE CONCEALED IN FINISHED AREAS. PRIOR TO CONCEALMENT OF NEW CONSTRUCTION, ALL WORK BEHIND FINISHED SURFACES SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE.
- 11. CONTRACTOR SHALL INFORM THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO COMPLETION OF CONSTRUCTION TO ALLOW SUFFICIENT TIME FOR COORDINATION OF EXISTING BUILDING ACTIVITIES WITH THE CONSTRUCTION WORK.
- 12. CONTROL WIRING SHALL BE TAGGED AT EACH END AND TERMINATED WHERE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH EQUIPMENT MANUFACTURES SPECIFICATIONS. 13. IF MATERIAL OR EQUIPMENT IS INSTALLED BEFORE IT IS APPROVED, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO ADDITIONAL CHARGE OR IF IN THE OPINION OF ACTION TARGET, THE MATERIAL OR EQUIPMENT
- DOES NOT MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS 14. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST, ANY LABOR MATERIALS, SERVICES, APPARATUS, AND DRAWINGS IN ADDITION TO CONTRACT DOCUMENTS. IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, INDICATED AND/OR SPECIFIED, PROVIDE ALL ELECTRICAL EQUIPMENT WITH ALL NECESSARY ASSOCIATED ACCESSORIES AND CONDUIT INFRASTRUCTURE AS REQUIRED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT NO ADDITIONAL COST TO OWNER.
- 15. BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL ADJOINING EXISTING BUILDINGS, EQUIPMENT, AND SPACE CONDITIONS ON WHICH HIS WORK IS IN ANY WAY DEPENDANT FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF THE SPECIFICATIONS AND DRAWINGS. HE SHALL REPORT TO ACTION TARGET ANY CONDITION WHICH MIGHT PREVENT HIM FROM
- INSTALLING HIS COMPONENTS IN THE MANNER SPECIFIED OR AS SHOWN IN CONTRACT DOCUMENTS TEN BUSINESS DAYS PRIOR TO SUBMISSION OF BIDS. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE SITE. NOR FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE PERFORMED. THE CONTRACTOR SHALL INCLUDE IN HIS BID PRICE ALL LABOR AND MATERIAL THAT MAY EFFECT HIS WORK.
- 16. THE CONTRACTOR SHALL NOTIFY ACTION TARGET IN WRITING OF ANY DISCOVERED CONFLICTS BETWEEN EXISTING INSTALLATIONS WHICH ARE NOT SCHEDULED FOR DEMOLITION AND THE NEW WORK INDICATED WITHIN THE CONTRACT DOCUMENTS. SUCH NOTIFICATION SHALL BE ACCOMPANIED BY A DRAWING DELINEATING THE PROPOSED SOLUTION PRIOR TO STARTING ANY WORK IN THE AFFECTED AREA. 17. ALL MATERIALS AND WORK SHALL BE ACCORDING TO BASE BUILDING SPECIFICATIONS UNLESS OTHERWISE NOTED.
- 18. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION, ELEVATION, MOUNTING HEIGHTS AND DETAILS OF ALL LIGHT FIXTURES AND DEVICES. REPORT ANY DISCREPANCIES TO ACTION TARGET IMMEDIATELY.
- 19. VERIFY DOOR SWINGS BEFORE INSTALLING SENSORS AND LIGHT SWITCHES. 20. PROVIDE PLASTER RING WITH PULL STRING TO SPACE ABOVE SUSPENDED CEILING FOR ALL TELEPHONE, DATA, FAX, MODEM, CATV, CARD READER, ETC. OUTLETS INSTALLED IN HOLLOW PARTITIONS. PROVIDE 3/4" EMPTY CONDUIT AND PULL STRING TO SPACE ABOVE SUSPENDED CEILING FOR THESE OUTLETS INSTALLED IN AN INSULATED PARTITION.
- PROVIDE 1" E.C. WITH 2 STRINGS FOR COMBINATION DATA/TEL OUTLET. 21. MAINTAIN INTEGRITY OF THE FIRE RATED CONSTRUCTION WHERE CONDUITS PASS THROUGH WALLS AND FLOORS.
- 22. ALL BACK BOXES INSTALLED ON OPPOSITE SIDES OF THE SAME PARTITION SHALL BE STAGGERED. DO NOT MOUNT THE BACK BOXES BACK TO BACK.
- 23. TYPE MC CABLE MAY BE USED IN LIEU OF EMT FOR BRANCH CIRCUITS, IN DRYWALL PARTITION AND IN CEILING PLENUM WHERE IS ALLOWED BY NEC AND THE BUILDING OWNER. (MC CABLE FOR ISOLATED CIRCUIT SHALL HAVE TWO (2) SEPARATE GROUNDING CONDUCTORS).
- 24. CONTRACTOR'S SCOPE OF WORK INCLUDES TRACING ALL EXISTING CIRCUITS IN THE CONSTRUCTION AREA BACK TO SOURCE. IF REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AFFECTS ANY EXISTING CIRCUITS, CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS, WIRING, CONDUIT, ETC. REQUIRED TO RECONNECT EXISTING-TO-REMAIN 25.ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL, PLUMBING, AND OTHER TRADES TO PROVIDE ALL EQUIPMENT ASSOCIATED WITH THEIR RESPECTIVE TRADES WITH NECESSARY WIRING AND CONDUIT INFRASTRUCTURE FOR ALL SENSORS, AND CONTROL SYSTEMS AS REQUIRED.

ELECTRICAL SYMBOL LIST:

-GENERAL ELECTRICAL SYMBOLS

DUPLEX REC.



- WEATHER PROOF REC
- GROUND FAULT REC.
- \$ switch
- \$³ 3 WAY SWITCH
- J JUNCTION BOX (AS SIZED IN SCHEDULE)
- P PULL BOX (AS SIZED IN SCHEDULE)
- START AND STOP SWITCH
- CAT5E JACK & WALL PLATE
- ACCESS PORT

-ELECTRICAL SCHEMATIC SYMBOLS

CAT5E JACK & WALL PLATE PROVIDED - BY OTHERS

EQUIPMENT PROVIDED - BY OTHERS

CONDUIT/CONTROLS PROVIDED - BY OTHERS

ELECTRICAL COORDINATION NOTES:

1. ALL CONDUIT, J BOXES, SITE PREPARATIONS, AND HIGH VOLTAGE COMPONENTS SHALL BE

2. ALL COMPONENTS ASSOCIATED WITH SYSTEMS AND EQUIPMENT TO BE REMOVED OR

COMPONENTS, HANGERS, WIRING, CABLING, CONDUIT, BOXES, DEVICES AND ALL OTHER

RELOCATED. REMOVE ALL WIRING/CONDUIT BACK TO THE SOURCE IN EXISTING CIRCUITS

WHICH ARE BEING DEMOLISHED. UNLESS SPECIFICALLY INDICATED, NO EQUIPMENT,

1. CONTRACTOR SHALL CLEAN THE PROJECT SITE AT THE END OF EACH WORKING DAY.

CONTRACTOR SHALL NOTIFY BUILDING OWNER PRIOR TO DISPOSAL OF ALL DEMOLISHED

THE JOB SITE WITH DISPOSAL IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND

MATERIALS TO ALLOW THE OWNER TO SALVAGE ANY USABLE MATERIALS. AFTER INSPECTING

FROM THE OWNER'S REPRESENTATIVE ALL UNUSED MATERIALS SHALL BE REMOVED FROM

1. PROTECT FROM DAMAGE ALL EXISTING WORK TO REMAIN. ANY EXISTING TO REMAIN OR

EXISTING TO BE RELOCATED MATERIALS AND EQUIPMENT DAMAGED DURING THE COURSE

OF THE WORK SHALL BE REPLACED WITH MATERIALS AND EQUIPMENT CONFORMING TO

THESE SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER. CARE MUST TAKEN IN

MATERIALS OR ASSOCIATED COMPONENTS SHALL BE ABANDONED IN PLACE.

RELOCATED MAY NOT BE SPECIFICALLY INDICATED. REMOVE ALL ASSOCIATED ELECTRICAL

ITEMS RELATED TO EQUIPMENT AND MATERIALS WHICH ARE INDICATED TO BE REMOVED OR

PROVIDED BY THE CUSTOMER OR ELECTRICAL CONTRACTOR UNLESS OTHERWISE SPECIFIED IN

(C0)

CONDUIT PROVIDED - BY OTHERS

-DISPOSAL OF DEMOLITION

REMOVING ALL EXISTING MATERIALS.

REGULATIONS.

-PROTECTION



PROVIDED - BY ACTION TARGET





MICROPHONE PROVIDED -BY ACTION TARGET

EQUIPMENT

PROVIDED - BY ACTION TARGET

ACCESS PORT

PROVIDED -BY ACTION TARGET

ELECTRICAL ABBREVIATIONS

(ALL ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS)

AMPERE AFF ABOVE FINISHED FLOOR **AWG** AMERICAN WIRE GAUGE BRK BREAKER

CONDUIT CB CIRCUIT BREAKER CP CONDENSATE PUMP

D EXISTING TO BE DEMOLISHED DISCSW DISCONNECT SWITCH

DP DISTRIBUTION PANEL DWG

DRAWING E, EX EXISTING TO REMAIN EG **EQUIPMENT GROUND** EΜ DEVICE ON EMERGENCY CIRCUIT

EMT ELECTRICAL METALLIC TUBING EW **EMERGENCY WHITE (NIGHT) LIGHT EWH ELECTRIC WATER HEATER** FAAP FIRE ALARM ANNUNCIATOR PANEL

FACP FIRE ALARM CONTROL PANEL FATC FIRE ALARM TERMINAL CABINET

FLA FULL LOAD AMPS G, GND GROUND

GFI **GROUND FAULT INTERRUPTER** HP HORSE POWER

IG INTERRUPTER ISOLATED GROUND KVA KILOVOLT-AMPS

ΚW KILOWATT MCB MAIN CIRCUIT BREAKER MD MOTORIZED DAMPER MLO MAIN LUGS ONLY MDP MAIN DISTRIBUTION PANEL

NEW NEC NATIONAL ELECTRICAL CODE

NF NON FUSED N/L NIGHT LIGHT FIXTURE ON A TIMER

NTS NOT TO SCALE Р POLE PH, Ø PHASE PNL PANEL

PSRH PROJECT STANDARD RECEPTACLE HEIGHT **PSSH** PROJECT STANDARD SWITCH HEIGHT

RELOCATED AT NEW LOCATION RR REMOVE AND RELOCATE

S.N. SOLID NEUTRAL SM MOTOR THERMAL SWITCH CONTROL

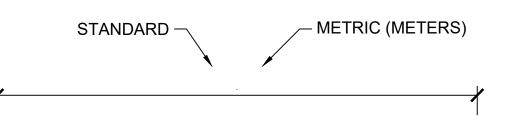
SWBD **SWITCHBOARD** TEL TELEPHONE T. XFMR TRANSFORMER TYP **TYPICAL**

UNIT HEATER U.O.A. **UNLESS OTHERWISE NOTED**

VOLTS WATTS WEATHERPROOF

DIMENSION CLARIFICATION

ALL DIMENSION LINES SHOW DEFAULT OF U.S. STANDARD UNITS, WITH METRIC UNITS AS SECONDARY INDICATED BY THERE LOCATION BETWEEN THE FOLLOWING SYMBOLS [] **SEE EXAMPLE BELOW FOR CLARIFICATION:**





PROJECT STATUS-

100% SUBMITTAL

-PROJECT NAME-

FIREARMS OUTLET **CANADA-DESIGN**

Project Manager Territory Manager WYATT DAVIS Project Engineer **ROB DECOSTA** Drawn By: Approved By: JAMIE HADERLIE **Origination Date** 02/20/25

140	D:	TIL VIOIOIV	D/ (1 L
1	JA	SHOTGUN BAY	04/21/25
		SHEET NAME	

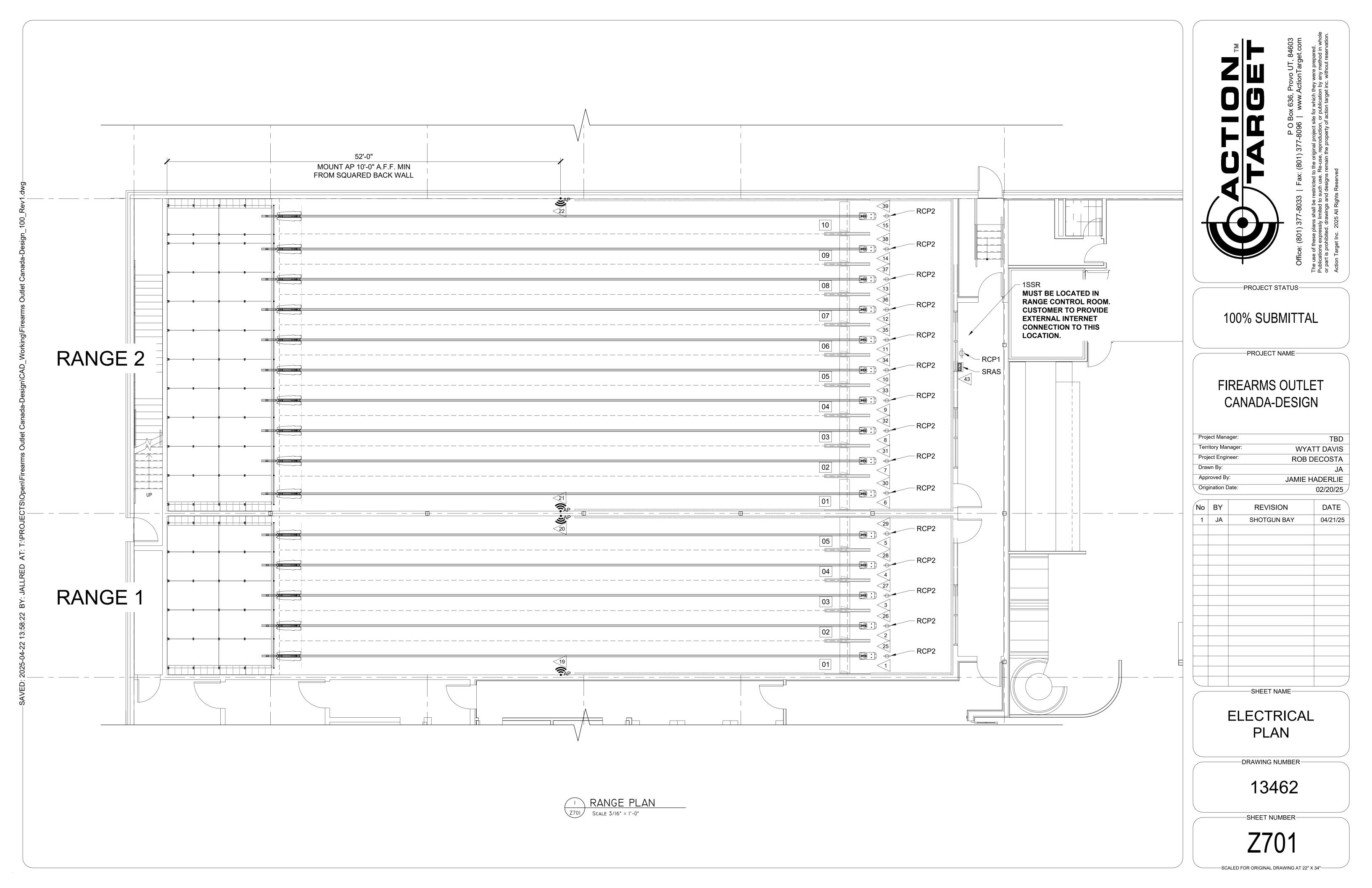
GENERAL

-DRAWING NUMBER

ELECTRICAL NOTES

13462

-SHEET NUMBER



NOTE:

SEE ELECTRICAL SCHEMATIC FOR ELECTRICAL SCHEDULES & TABLES

ALL CAT5e CABLE RUNS ARE LIMITED TO 300'-0"

SERVER RACK TO BE LOCATED IN A CONDITIONED LOCATION

CUSTOMER TO PROVIDE WIRED INTERNET ACCESS TO SERVER RACK LOCATION

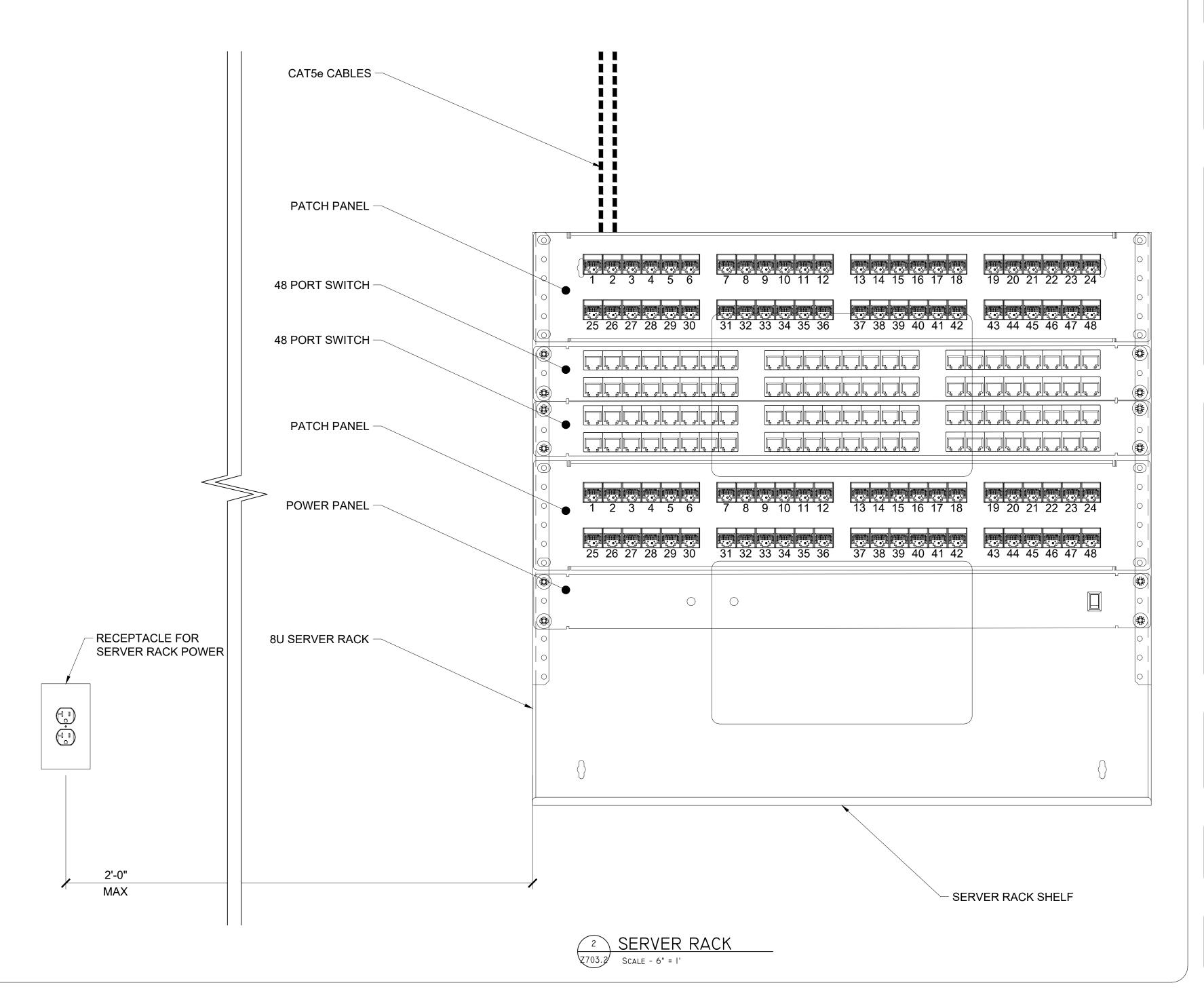
ANY WIRE/CABLE RUNS DOWNRANGE OF FIRING LINE SHALL BE RUN IN A CONDUIT

ALL DATA JACKS AND ASSOCIATED WIRING TO BE INSTALLED BY SITE ELECTRICIAN

ALL PATCH PANEL TERMINATIONS TO MATCH PATCH PANEL TERMINATION SCHEDULE.

PORT NUMBER TO MATCH PANEL ID NUMBER.

SWITCH 1 DATA JACK SCHEDULE				
LOCATION	PORT ID#	LOCATION	PORT ID#	
LANE 1 DOCK	1	R1-LANE 1 LOCAL SCREEN	25	
LANE 2 DOCK	2	R1-LANE 2 LOCAL SCREEN	26	
LANE 3 DOCK	3	R1-LANE 3 LOCAL SCREEN	27	
LANE 4 DOCK	4	R1-LANE 4 LOCAL SCREEN	28	
LANE 5 DOCK	5	R1-LANE 5 LOCAL SCREEN	29	
LANE 6 DOCK	6	R2-LANE 1 LOCAL SCREEN	30	
LANE 7 DOCK	7	R2-LANE 2 LOCAL SCREEN	31	
LANE 8 DOCK	8	R2-LANE 3 LOCAL SCREEN	32	
LANE 9 DOCK	9	R2-LANE 4 LOCAL SCREEN	33	
LANE 10 DOCK	10	R2-LANE 5 LOCAL SCREEN	34	
LANE 11 DOCK	11	R2-LANE 6 LOCAL SCREEN	35	
LANE 12 DOCK	12	R2-LANE 7 LOCAL SCREEN	36	
LANE 13 DOCK	13	R2-LANE 8 LOCAL SCREEN	37	
LANE 14 DOCK	14	R2-LANE 9 LOCAL SCREEN	38	
LANE 15 DOCK	15	R2-LANE 10 LOCAL SCREEN	39	
FUTURE EXPANSION	16	FUTURE EXPANSION	40	
FUTURE EXPANSION	17	FUTURE EXPANSION	41	
FUTURE EXPANSION	18	FUTURE EXPANSION	42	
RANGE 1 LEFT WALL	19	RANGE 1 SRAS	43	
RANGE 1 RIGHT WALL	20	FUTURE EXPANSION	44	
RANGE 2 LEFT WALL	21	RESERVED FOR SWITCH	45	
RANGE 2 RIGHT WALL	22	SMART RANGE AXIS SERVER PORT 1	46	
FUTURE EXPANSION	23	SMART RANGE AXIS SERVER PORT 2	47	
FUTURE EXPANSION	24	INTERNET SERVICE	48	





-PROJECT STATUS-

100% SUBMITTAL

---PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

TBD

WYATT DAVIS

ROB DECOSTA

Project Manager:

Territory Manager:

Project Engineer

Drawn By:

	roved By	0/ \(IVIIL	ADERLIE
Orig	ination D	Pate:	02/20/25
No	BY	REVISION	DATE
1	JA	SHOTGUN BAY	04/21/25
\			

-SHEET NAME-

SERVER RACK DETAILS

—DRAWING NUMBER

13462

—SHEET NUMBER-

Z703.2

EQUIPMENT SCHEDULE - BY ACTION TARGET					
ITEM	QTY	ABBREV			
ACCESS POINT	4	AP			
SMART RANGE ACCESS SCREEN	1	SRAS			
1 SWITCH SERVER RACK	1	1SSR			
ROAMING TABLET	1				
GENESIS LOCAL CONTROL	15				
GENESIS DOCK	15				

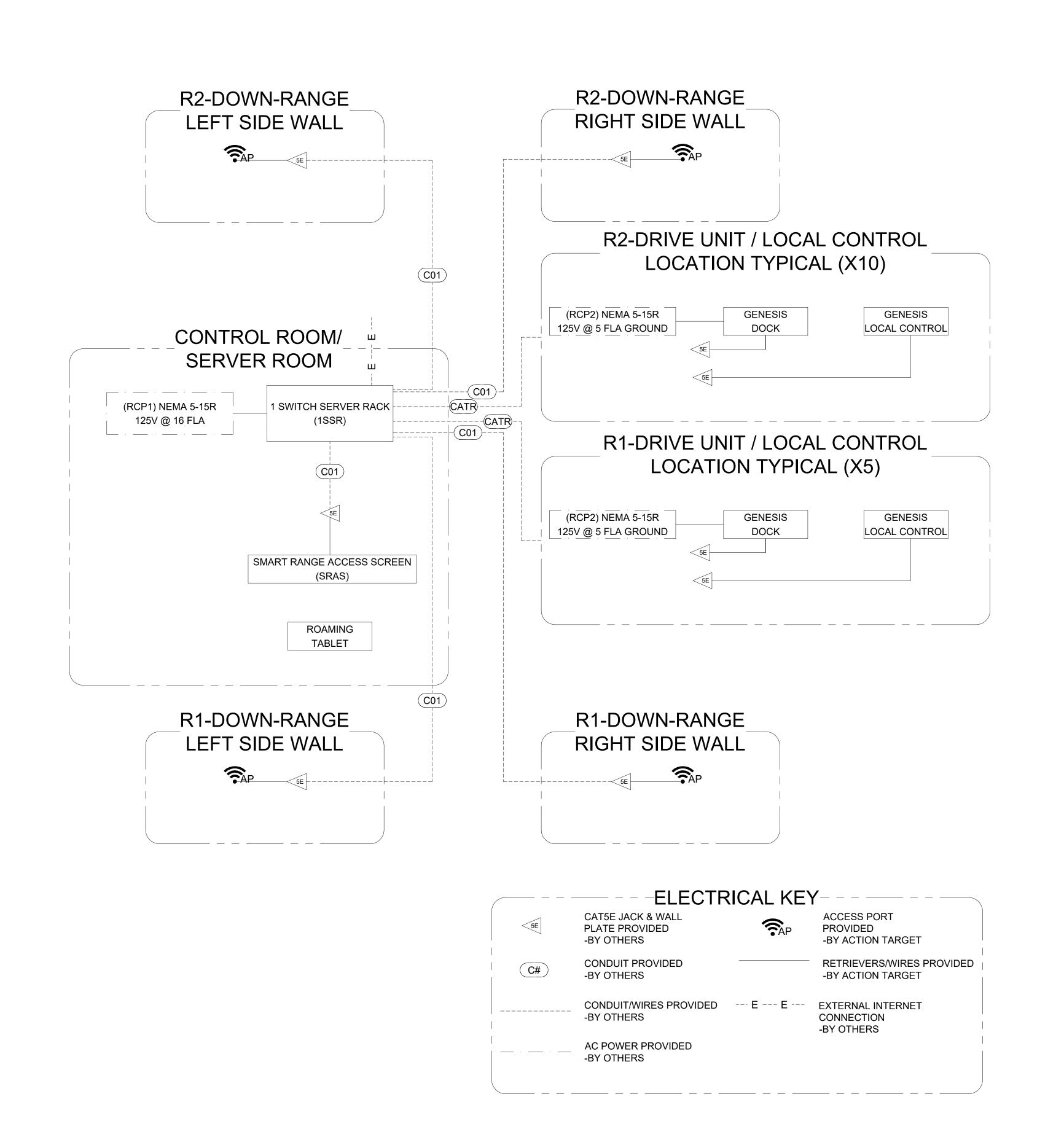
EQUIPMENT POWER SCHEDULE - BY OTHERS						
PRODUCT LINE	ITEM	QTY	PHASE	VOLTS	FLA	
RETRIEVERS	GENESIS	15	1	120	5	
SERVER RACK	1SSR	1	1	120	16	

	ELECTRICAL RECEPTACLE SCHEDULE - BY						
	OTHERS						
ITEM	QTY	DESCRIPTION	PHASE	VOLTS	TYPE		
RCP1	1	NEMA 5-20R ISOLATED GROUND RECEPTACLE FOR 1 SWITCH SERVER RACK	1	125			
RCP2	15	NEMA 5-15R ISOLATED GROUND RECEPTACLE PER TARGET	1	125			

DA	DATA COMMUNICATION OUTLET - BY OTHERS			
ITEM	QTY	DESCRIPTION		
5E	35	CAT5E JACK & WALL PLATE		

CONDUIT SCHEDULE - BY OTHERS						
ITEM	QTY	DESCRIPTION				
C01	5	3/4" CONDUIT				
CATR	1	CAT5 RUN NO CONDUIT NEEDED				

CONDUIT FILL SCHEDULE - BY ACTION TARGET						
ITEM	QTY	DESCRIPTION				
C01						
	1	CAT5E OR GREATER				
CATR						
	30	CAT5E OR GREATER				





100% SUBMITTAL

-PROJECT NAME-

FIREARMS OUTLET CANADA-DESIGN

WYATT DAVIS

Project Manager:

Territory Manager:

Proj	ect Engi	neer: ROE	ROB DECOSTA		
Drav	wn By:		JA JAMIE HADERLIE		
App	roved By	^T JAMIE			
Orig	ination [Pate:	02/20/25		
No	BY	REVISION	DATE		
1	JA	SHOTGUN BAY	04/21/25		

SHEET NAME-

GENESIS PRO ELECTRICAL SCHEMATIC

—DRAWING NUMBER

13462

—SHEET NUMBER-

Z731.3