GENERAL NOTES:

1. THIS DRAWING(S) CONFORMS TO THE REQUIREMENTS OF THE 2020 BUILDING CODE OF NEW YORK STATE.
2. THE STRUCTURAL DRAWINGS ARE TO BE READ AND USED IN CONJUNCTION WITH THE SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DOCUMENTS AND DRAWINGS.
3. ALL DIMENSIONS, DRAWINGS, AND DOCUMENTS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING ANY WORK. ANY DISCREPANCY MUST BE COMMUNICATED TO THE ENGINEER.
4. AJW ENGINEERING TO INSPECT SITE PRIOR TO INITIAL USE TO VERIFY COMPLIANCE WITH THIS DRAWING. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT AJW ENGINEERING ONCE STRUCTURE IS COMPLETE.
5. ALL TEMPORARY STRUCTURES OR WORKS INCLUDING SHORING, FORM WORK, SCAFFOLDING, AND FALSE WORK SHALL BE PROVIDED BY THE CONTRACTOR.
6. AJW ENGINEERING LTD. WILL TAKE NO RESPONSIBILITY FOR ANY CHANGES TO OR DEVIATIONS FROM THIS DRAWING UNLESS APPROVED BY OUR OFFICE IN WRITING.
7. THE INFORMATION ON THIS DRAWING SHALL NOT BE USED FOR ANY OTHER PROJECT OR WORKS. THE INFORMATION ON THESE DRAWINGS APPLIES SOLELY TO THIS PROJECT.

CONCRETE REINFORCEMENT

1. REINFORCEMENT SHALL CONFORM TO THE FOLLOWING STANDARDS:

   ASTM A615/615M GRADE 60.

FOOTING FOUNDATION.

1. REFER TO SOIL REPORT FOR EXISTING SOIL CAPACITY.
2. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 5000PSI (35 MPa).
3. ALL CONCRETE SHALL BE KEPT MOIST DURING THE FIRST THREE DAYS OF CURING.
4. FOUNDATIONS SHALL BE PLACED ON SOIL CAPABLE OF SUSTAINING 3500 PSF (167.00 kPa)(SLS) WITHOUT SETTLEMENT RELATIVE TO THE BUILDING.
5. FOOTINGS HAVE BEEN DESIGNED FOR BEARING PRESSURES IN ACCORDANCE WITH THE SOILS REPORT.
6. BEARING SURFACES MUST BE APPROVED BY THE SOILS ENGINEER IMMEDIATELY BEFORE FOOTING CONCRETE IS PLACED. AJW ENGINEERING IS NOT RESPONSIBLE FOR CONFIRMING BEARING CAPACITIES OF SOILS.
7. REFER TO SOILS REPORT FOR OTHER SPECIFIC DESIGN REQUIREMENTS FOR FOOTINGS, SOIL SLOPES, FROST PROTECTION, MINIMUM COVER, ETC.
8. UNLESS OTHERWISE SHOWN, CENTER FOOTINGS UNDER COLUMNS AND WALLS.
9. BEARING SURFACES MUST BE PROTECTED FROM FREEZING BEFORE AND AFTER FOOTINGS ARE POURED.
10. SUB-BASE DESIGN OF SOIL UNDER THE SLAB ON GRADE SHALL BE IN ACCORDANCE WITH THE SOIL REPORT.
11. SOFT AREAS UNCOVERED DURING EXCAVATION SHALL BE SUB-EXCAVATED TO SOUND MATERIAL AND FILLED WITH CLEAN, FREE DRAINED GRANULAR SOIL COMPACTED TO 100% STANDARD PROCTOR DRY DENSITY (SPDD).

CONCRETE.

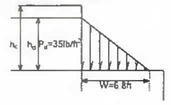
1. CONCRETE WORK SHALL CONFORM TO ACI 301-20 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" FOR MATERIALS AND WORKMANSHIP.
2. CONCRETE SHALL BE DESIGNATED FOR THE ENVIRONMENTAL EXPOSURE CLASSES SPECIFIED IN TABLE 1.3 OF ACI 301-20 (PER ACI 318-19, 4.3-4.4).
3. ALL CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR THE FIRST THREE DAYS AFTER PLACEMENT.
4. DIMENSIONAL TOLERANCES SHALL BE AS PER ACI 117-10 "TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS," EXCEPT AS NOTED BELOW.
5. THE ABOVE REQUIREMENTS DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH MORE STRINGENT REQUIREMENTS SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS OR EQUIPMENT MANUFACTURER'S SHOP DRAWINGS.
6. CONCRETE SHALL BE PROVIDED UNDER THE "PERFORMANCE" OPTION IN ACI 301-20 TABLE 5.1.
7. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE READY-MIX SUPPLIER TO VERIFY THAT BOTH FRESH AND HARDENED CONCRETE PROPERTIES COMPLY WITH THE OWNER'S SPECIFIED PERFORMANCE CRITERIA. DOCUMENTATION AND QUALITY CONTROL SHALL MEET THE "PERFORMANCE" OPTION REQUIREMENTS OF ACI 301-20 TABLE 5.1.
8. THE READY-MIX CONCRETE PRODUCER SHALL BE CERTIFIED BY THE AMERICAN CONCRETE INSTITUTE.
9. CONCRETE UNIT WEIGHT SHALL BE 145 ± 5 lb/ft³ (23.3 ± 0.8 kN/m³) UNLESS NOTED OTHERWISE.
10. SLUMP AND MAXIMUM AGGREGATE SIZE SHALL BE SELECTED BY THE CONTRACTOR AND PRODUCER TO FACILITATE PLACEMENT AND FINISHING WITHOUT SEGREGATION, WHILE MEETING OWNER PERFORMANCE REQUIREMENTS.
11. MAXIMUM WATER-CEMENT RATIO AND AIR CONTENT SHALL COMPLY WITH ACI 318-19 TABLE 4.3 FOR THE SPECIFIED EXPOSURE CLASS.
12. CEMENT TYPE FOR SULFATE EXPOSURE CLASSES S0-S3 SHALL COMPLY WITH ACI 318-19, 4.4 AND ASTM C150 IF REQUIRED.
13. CHLORIDE ION PENETRABILITY FOR CHLORIDE EXPOSURE CLASSES C0-C3 SHALL COMPLY WITH ASTM C1202 LIMITS SPECIFIED FOR EACH EXPOSURE CLASS IN ACI 318-19 TABLE 4.3.
14. AT OWNER REQUEST, THE PRODUCER SHALL FURNISH TEST DATA FOR EACH MIX DESIGN DEMONSTRATING COMPLIANCE WITH REQUIRED STRENGTH, DURABILITY, AND SHRINKAGE CRITERIA.
15. CURING SHALL MEET ACI 318-19, 7.4.1.7 AND TABLE 4.3 REQUIREMENTS FOR THE SPECIFIED EXPOSURE CLASS. CURING COMPOUNDS ARE NOT PERMITTED FOR SUSPENDED PARKING SLABS OR C-XL CONCRETE.

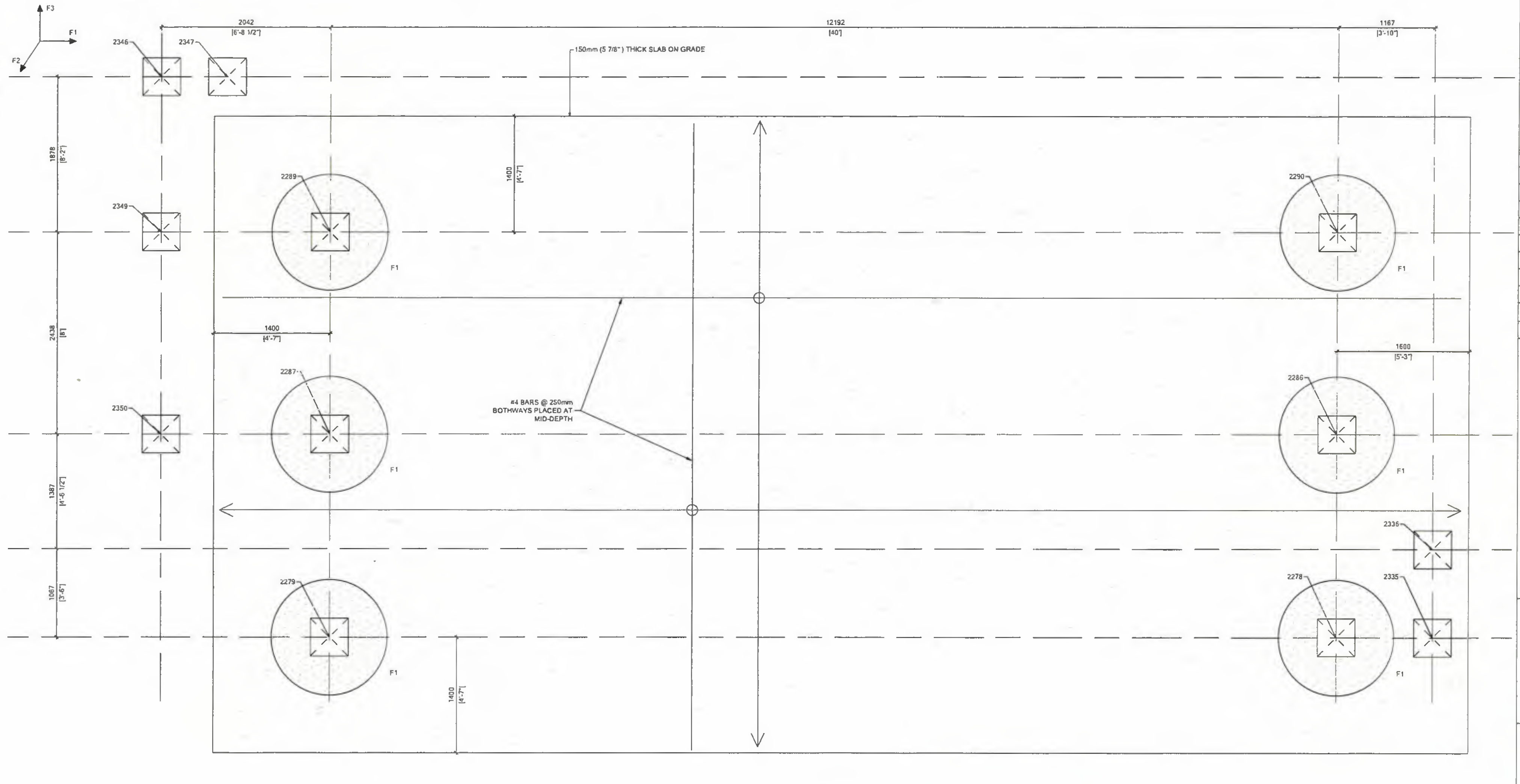
LOAD DATA

1. THE FOOTINGD INDICATED HAS BEEN DESIGNED FOR THE FOLLOWING LOADS UNLESS NOTED OTHERWISE:

   DEAD LOADS : SELF-WEIGHT OF THE STRUCTURE
2. LIVE LOADS =100PSF
   ROOF LIVE LOADS: =20PSF
3. WIND LOADS (BUFFALO,NY.):
   ASCE 7-16 RISK CATEGORY II WIND SPEED= 109MPH
4. SNOW LOADS (BUFFALO,NY.):
   P_g = 50PSF
   C_e = 1.0
   C_t = 1.2
   I_s = 1.0
5. SNOW DRIFT (APPLIED ON THE ROOF OF CONTAINER 1):

   γ = 20.5lb/ft³
   h_d = 1.7ft
   h_c = 6.45ft





1 / S-01 PLAN VIEW
SCALE : 1:30

SCHEDULE OF FOOTINGS					
FOOTING NUMBER	DIAMETER (ft)	FOOTING DEPTH (ft)	REINFORCEMENT		
			VERTICAL	DOWELS	TIE
F1	4.7	4' 2"	20 - #6	36 - #3	9 - #4

TABLE OF CONTENT

DWG. NO.	DESCRIPTION	REVISION NO.	DATE
S-01	GENERAL NOTES, PLAN AND TABLES	R0	07 JULY, 2025
S-02	ELEVATION AND DETAIL	R0	07 JULY, 2025

TABLE: Joint Reactions

Joint	StepType	F1	F2	F3	M1	M2	M3
Text	Text	Lb	Lb	Lb	Lb-ft	Lb-ft	Lb-ft
2278	Max	-132	3286	19389	0	0	0
2278	Min	-11934	-2454	-2599	0	0	0
2279	Max	14714	5791	19416	0	0	0
2279	Min	-428	-2561	-3089	0	0	0
2286	Max	1650	4952	33968	0	0	0
2286	Min	-17547	-4168	-630	0	0	0
2287	Max	22239	5118	48761	0	0	0
2287	Min	-889	-4552	193	0	0	0
2289	Max	4851	2468	21971	0	0	0
2289	Min	448	-3890	-5176	0	0	0
2290	Max	-1108	2480	32578	0	0	0
2290	Min	-10997	-4390	-4674	0	0	0
2335	Max	1	2	691	-1	6	0
2335	Min	-3	0	75	-13	-27	-5
2336	Max	0	1	2384	-2	0	-1
2336	Min	-5	0	352	-13	-45	-8
2346	Max	2	11	808	19	15	0
2346	Min	0	-2	75	-93	2	-14
2347	Max	2	8	2875	22	15	0
2347	Min	0	-3	454	-68	2	-13
2349	Max	1	11	3775	19	9	-1
2349	Min	-8	-2	169	-93	-65	-12
2350	Max	-1	11	2423	18	-4	2
2350	Min	-15	-2	97	-93	-127	-8

2 / S-01 BASE REACTIONS TABLE
SCALE : NTS

No.	DATE DD/MM/YY	DESCRIPTION
R0	07/07/25	Issued for Construction

REVISION / ISSUED

Reviewed for conformance with structural code requirements

STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER 092315
7/17/2025
Complete Structural Consulting, Inc.
COA 0013665
COMPLETE STRUCTURAL CONSULTING

ENGINEER:
ajw engineering
100 MATHESON BLVD. E., UNIT #201,
MISSISSAUGA, ON. L4Z 2G7
Phone (905)-840-0530
Fax: (905)-212-9012

ORDERED BY: Dräger

ADDRESS: 3359 BROADWAY, BUFFALO, NY 14227, USA

PROJECT: SHIPPING CONTAINER ASSEMBLY

DRAWING DESCRIPTION: GENERAL NOTES, PLAN AND TABLES

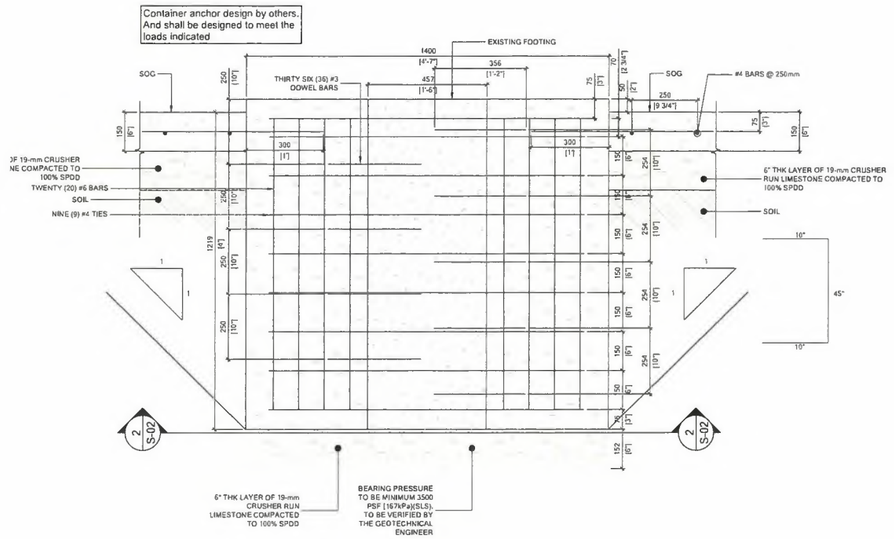
REFERENCE FILE: THIS DRAWING HAS BEEN PREPARED FROM INFORMATION SHOWN ON DWG NO.:

FILE NAME: 25-13512.5-R0

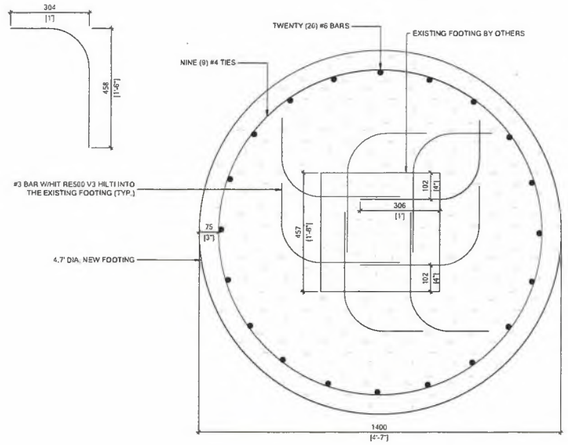
DRAWN BY	CHECKED BY
KG	AM

SCALE	AS NOTED
DATE STARTED	MAY. 07, 2025
PROJECT NUMBER	25-13512.5
DRAWING NUMBER	S-01

Container anchor design by others.
And shall be designed to meet the loads indicated



1 / S-02 ELEVATION VIEW
SCALE : 1:10



2 / S-02 PLAN VIEW DETAIL
SCALE : 1:5

R0	07/07/25	Issued for Construction
No.	DATE D/D/MM/YY	DESCRIPTION

REVISION / ISSUED

Reviewed for conformance with structural code requirements

Complete Structural Consulting, Inc.
COA 8813465

COMPLETE STRUCTURAL CONSULTING

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Fax: (905)-212-9012

ORDERED BY:
Dräger

ADDRESS
3359 BROADWAY, BUFFALO, NY 14227, USA

PROJECT
SHIPPING CONTAINER ASSEMBLY

DRAWING DESCRIPTION
ELEVATION AND DETAIL

REFERENCE FILE:
THIS DRAWING HAS BEEN PREPARED FROM INFORMATION SHOWN ON DWG NO.:

FILE NAME:
25-13512.5-R0

DRAWN BY:	CHECKED BY:
KG	AM

SCALE:	AS NOTED
DATE STARTED	MAY. 07, 2025
PROJECT NUMBER:	25-13512.5
DRAWING NUMBER:	S-02

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STEEL NOTES.

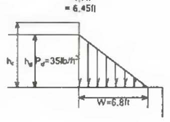
1. THE DESIGN, FABRICATION & ERECTION OF ALL STEEL COMPONENTS SHALL CONFORM TO AISC 360-16 LIMIT STATES DESIGN OF STEEL STRUCTURES.
2. STRUCTURAL STEEL TO CONFORM TO MIN. ASTM A992 (A572 GRADE 50), A500 GR. C FOR HOLLOW STRUCTURAL SECTIONS AND ASTM A36 FOR PLATES AND ALL OTHER SHAPES UNLESS OTHERWISE NOTED.
3. WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.1(LATEST) STRUCTURAL WELDING-STEEL AND SHALL BE CARRIED OUT BY WELDERS QUALIFIED IN ACCORDANCE WITH AWS D1.1(LATEST) CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES.
4. DRAWINGS OF COMPONENTS AND CONNECTIONS DESIGNED BY THE FABRICATOR'S SPECIALTY STRUCTURAL ENGINEER SHALL BE SIGNED AND SEALED BY THIS ENGINEER OR LETTER SHALL BE SUBMITTED AT THE END OF SHOP DRAWING PRODUCTION SIGNED AND SEALED BY THIS ENGINEER, IDENTIFYING WHAT WAS DESIGNED AND LISTING THE FINAL DRAWINGS WITH DATES AND REVISION NUMBERS.
5. CONNECTIONS AND SPLICES NOT SHOWN ON THE STRUCTURAL DRAWINGS BUT REQUESTED BY THE FABRICATOR MUST BE ACCEPTABLE TO AJW ENGINEERING AND DETAILED ON THE SHOP DRAWINGS. TESTING OF THESE CONNECTIONS SHALL BE AT THE DISCRETION OF AJW ENGINEERING AND TO THE CONTRACTORS ACCOUNT.
6. FABRICATION, ERECTION, STRUCTURAL DESIGN AND DETAILING OF ALL STEEL SHALL BE IN ACCORDANCE WITH AISC 360-16
7. THE BOTTOM SIDE RAIL BEAMS OF CONTAINER 1 SHALL BE REINFORCED FOR SIX (6) FEET FROM THE FRONT SIDE WITH A COSTOM CHANNEL (3 WELDED PLATES). R3

SHIPPING CONTAINER NOTES:

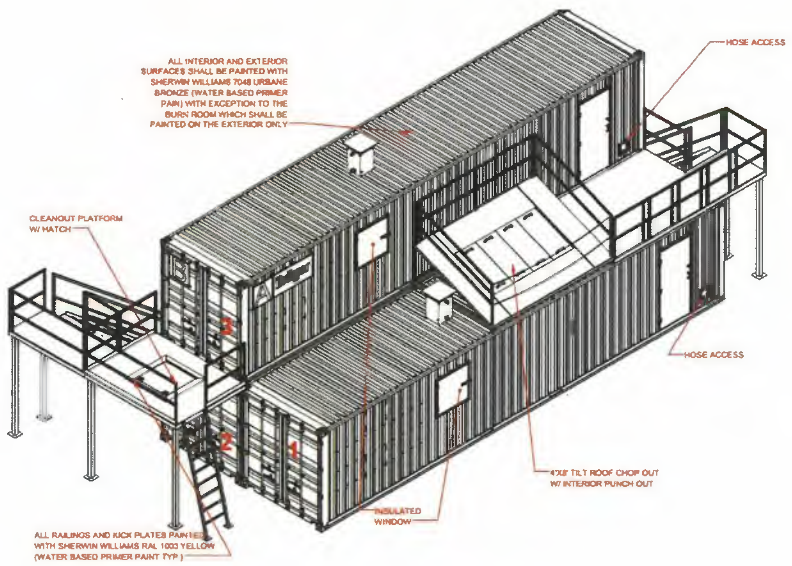
1. ALL CONTAINERS SHALL BE CONNECTED TO ADJACENT CONTAINERS USING AD54000A-1GA DOUBLE CONE TWIST LOCKS WITH A BREAKING LOAD OF 50 TONS IN TENSION AND 40 TONS IN SHEAR.
2. ALL CONTAINERS SHALL CONFORM TO THE REQUIREMENTS OF ISO 668.
3. ALL FOUNDATIONS AND STAIRCASES ARE TO DESIGNED BY OTHERS.

LOADING DATA:

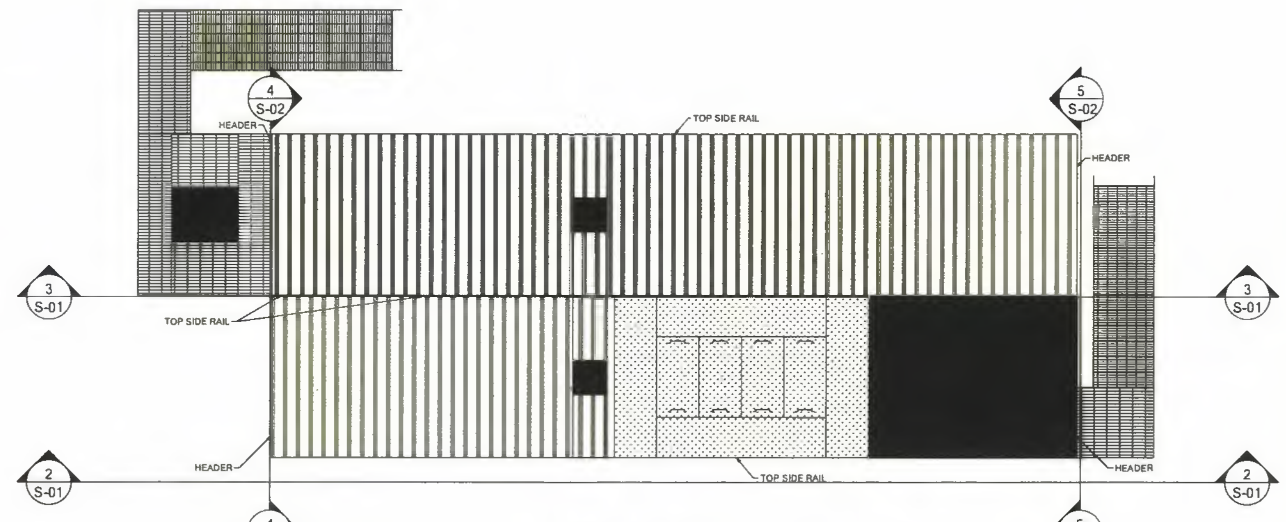
1. DEAD LOADS : SELF-WEIGHT OF THE STRUCTURE
2. LIVE LOADS: =100PSF
   ROOF LIVE LOADS: =20PSF
3. WIND LOADS (BUFFALO,NY.).
   ASCE 7-16 RISK CATEGORY II WIND SPEED = 109MPH
4. SNOW LOADS (BUFFALO,NY.).
   P_g = 50PSF
   C_e = 1.0
   C_t = 1.2
   I_s = 1.0
5. SNOW DRIFT (APPLIED ON THE ROOF OF CONTAINER 1):
   γ = 20.5lb/ft^3
   h_d = 1.7ft
   h_c = 6.45ft



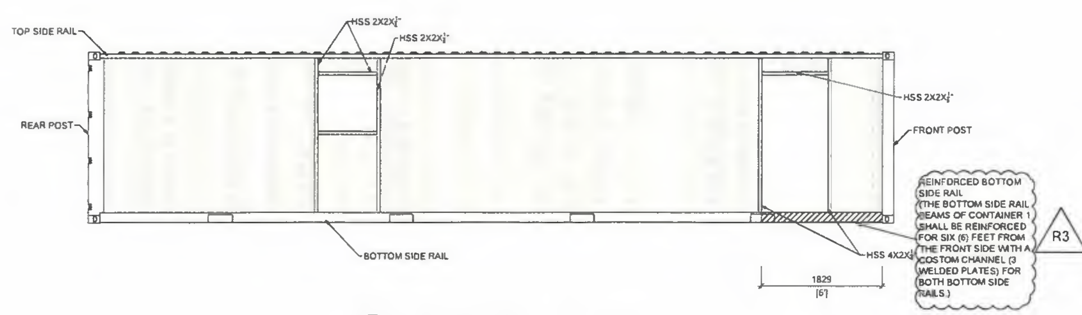
6. SEISMIC LOADS (BUFFALO,NY.):
   S_s: = 0.168
   S_1: = 0.045
   SITE CLASS: D
   PGA: =0.094



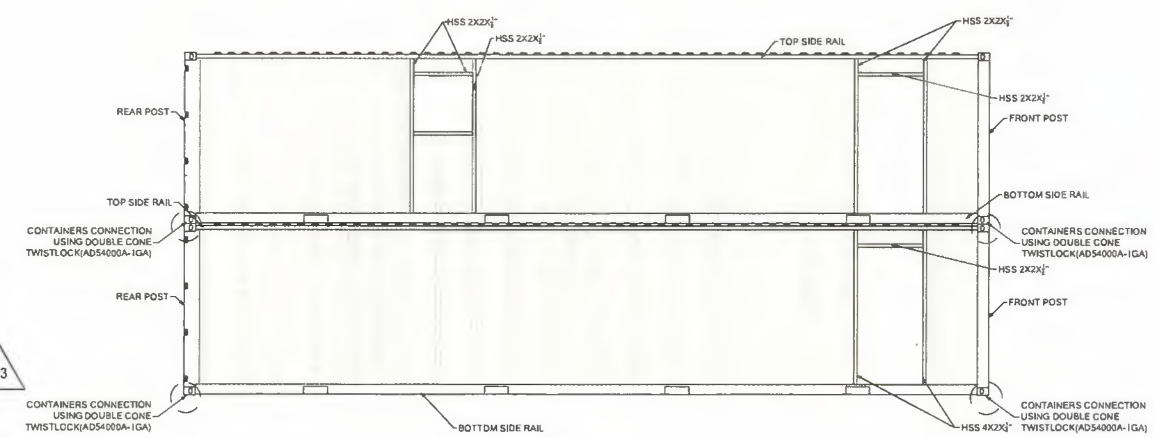
0 / S-01 — 3D VIEW OF CONTAINERS
SCALE : NTS



1 / S-01 — TOP VIEW
SCALE : 1:50



2 / S-01 — SIDE ELEVATION - CONTAINER 1
SCALE : 1:50



3 / S-01 — SIDE ELEVATION - CONTAINERS 2 AND 3
SCALE : 1:50

NOT IN CONTRACT
FOR REFERENCE ONLY

No.	DATE DD/MM/YY	DESCRIPTION
R3	16/08/23	Issued for Constructoin
R2	18/07/23	Issued for Construction
R1	22/06/23	Issued for Construction
R0	13/02/23	Issued for Construction

REVISION / ISSUED

The drawings have been reviewed and certified by:

08/24/2023
Complete Structural Consulting, Inc.
COA 0013665
COMPLETE STRUCTURAL CONSULTING

ENGINEER:
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Fax: (905)-212-9012

ORDERED BY
Dräger

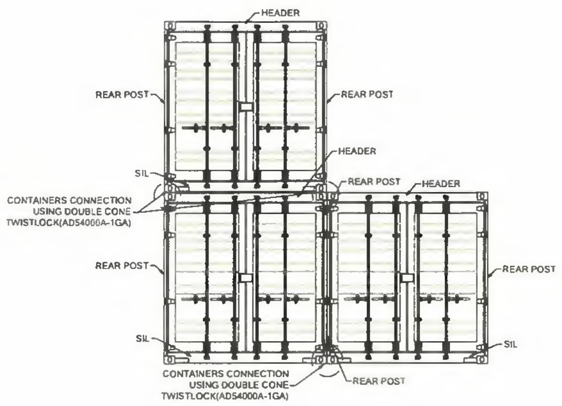
ADDRESS
3359 BROADWAY, BUFFALO, NY 14227, USA

PROJECT
SHIPPING CONTAINER ASSEMBLY

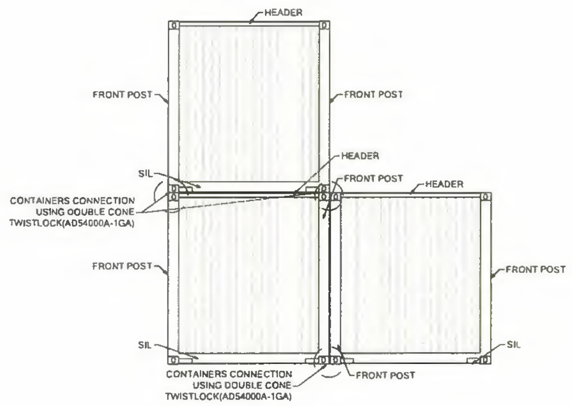
DRAWING DESCRIPTION
GENERAL NOTES, PLANS AND ELEVATIONS

REFERENCE FILE
THIS DRAWING HAS BEEN PREPARED FROM INFORMATION SHOWN ON DWG NO.:

FILE NAME	23-13512.1-R3
DRAWN BY: AM	CHECKED BY: SH
SCALE	AS NOTED
DATE STARTED	JUN. 13, 2023
PROJECT NUMBER	23-13512.1
DRAWING NUMBER	S-01



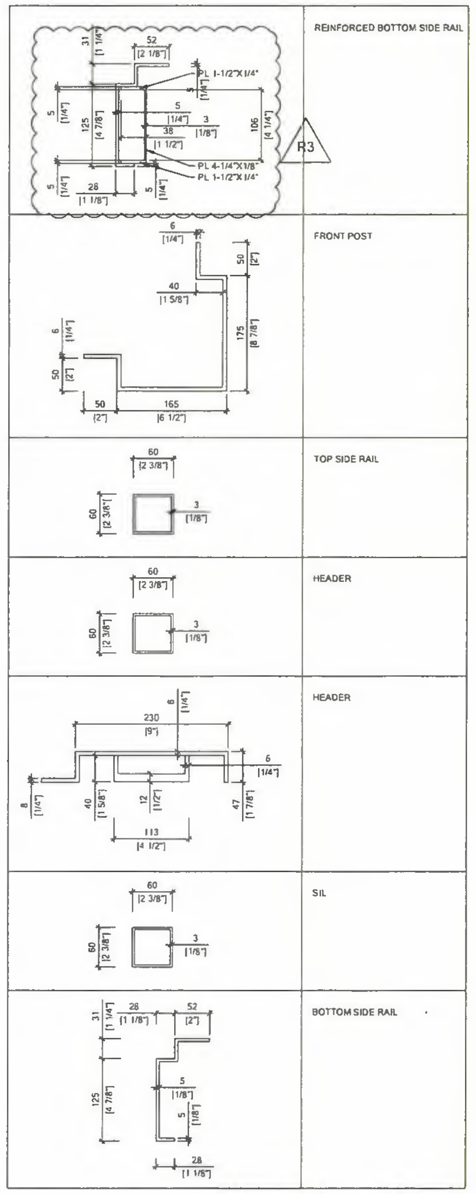
4 / S-02 **SIDE ELEVATION**
SCALE : 1:50



5 / S-02 **SIDE ELEVATION**
SCALE : 1:50

NOT IN CONTRACT
FOR REFERENCE ONLY

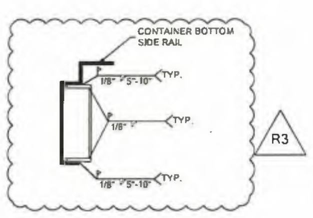
6 / S-02 **FOUNDATION PLAN**
SCALE : 1:50



7 / S-02 **COMPONENT SCHEDULE**
SCALE : 1:5

TABLE: Joint Reactions							
Joint	StepType	F1	F2	F3	M1	M2	M3
Text	Text	Lb	Lb	Lb	Lb-ft	Lb-ft	Lb-ft
2278	Max	6.7	6110.0	24514.3	0.0	0.0	0.0
2278	Min	-16411.8	-4187.4	-4916.1	0.0	0.0	0.0
2279	Max	18815.9	8578.5	23591.4	0.0	0.0	0.0
2279	Min	-1115.0	-4447.0	-5661.2	0.0	0.0	0.0
2286	Max	3168.7	8749.0	48400.0	0.0	0.0	0.0
2286	Min	-25882.6	-6879.8	-1806.9	0.0	0.0	0.0
2287	Max	34001.3	8524.5	71575.5	0.0	0.0	0.0
2287	Min	-2067.8	-7480.0	-642.6	0.0	0.0	0.0
2289	Max	8084.4	4144.8	28093.7	0.0	0.0	0.0
2289	Min	-238.8	-7138.5	-8984.2	0.0	0.0	0.0
2290	Max	-1474.2	4219.1	43468.1	0.0	0.0	0.0
2290	Min	-16614.9	-6860.3	-8456.0	0.0	0.0	0.0
2335	Max	1.0	2.3	881.2	-2.1	8.2	-0.1
2335	Min	-5.5	0.2	102.9	-19.8	-47.1	-9.1
2336	Max	0.1	2.3	3578.2	-2.1	0.9	-1.9
2336	Min	-7.2	0.3	506.9	-19.2	-61.2	-13.1
2346	Max	2.6	10.8	1031.8	27.0	22.0	0.8
2346	Min	0.3	-3.2	100.6	-91.6	2.7	-24.5
2347	Max	2.6	7.7	4312.9	31.3	22.1	0.8
2347	Min	0.3	-3.7	662.3	-65.1	2.8	-22.7
2349	Max	1.7	10.8	5005.4	26.8	14.4	-1.3
2349	Min	-10.3	-3.2	194.0	-91.4	-87.8	-21.1
2350	Max	-0.4	10.7	3114.5	26.5	-3.4	4.0
2350	Min	-19.7	-3.1	104.0	-91.2	-167.4	-11.6

8 / S-02 **BASE REACTIONS TABLE**
SCALE : NTS



8 / S-02 **WELDING DETAILS OF REINFORCING PART**
SCALE : 1:50

No.	DATE DD/MM/YY	DESCRIPTION
R3	16/08/23	Issued for Construction
R2	18/07/23	Issued for Construction
R1	22/06/23	Issued for Construction
R0	13/02/23	Issued for Construction

REVISION / ISSUED

The drawings have been reviewed and certified by:
08/24/2023
Complete Structural Consulting, Inc.
COA 0013665
COMPLETE STRUCTURAL CONSULTING

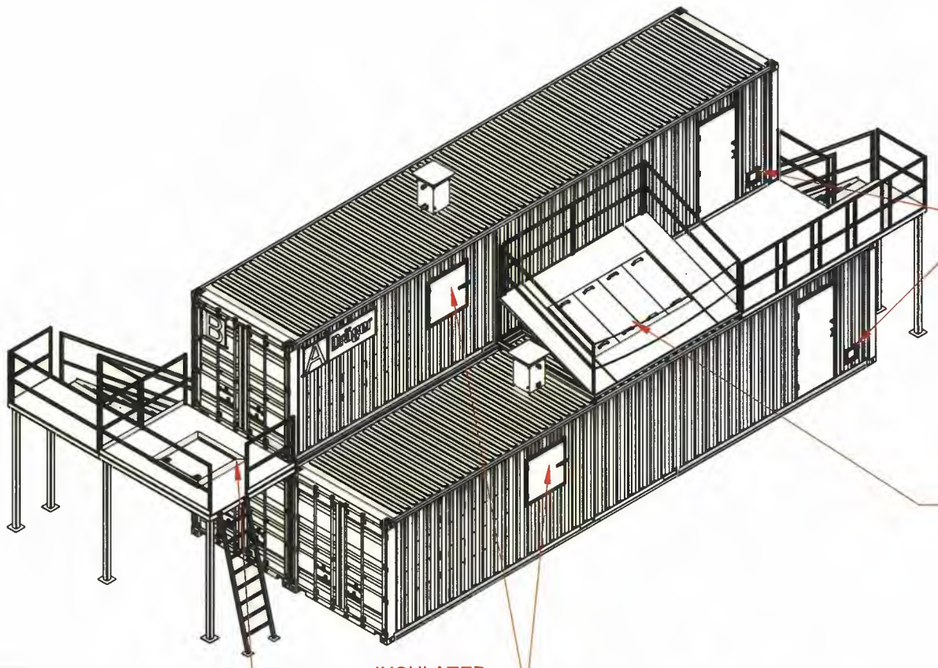
ENGINEER:
ajw engineering
100 MATHESON BLVD. E., UNIT #201, MISSISSAUGA, ON. L4Z 2G7
Phone: (905)-840-0530
Fax: (905)-212-9012

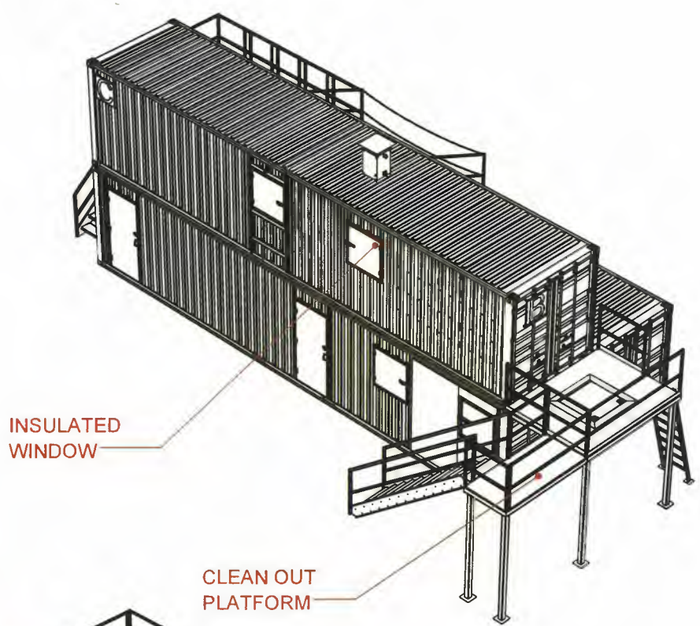
ORDERED BY:
Dräger

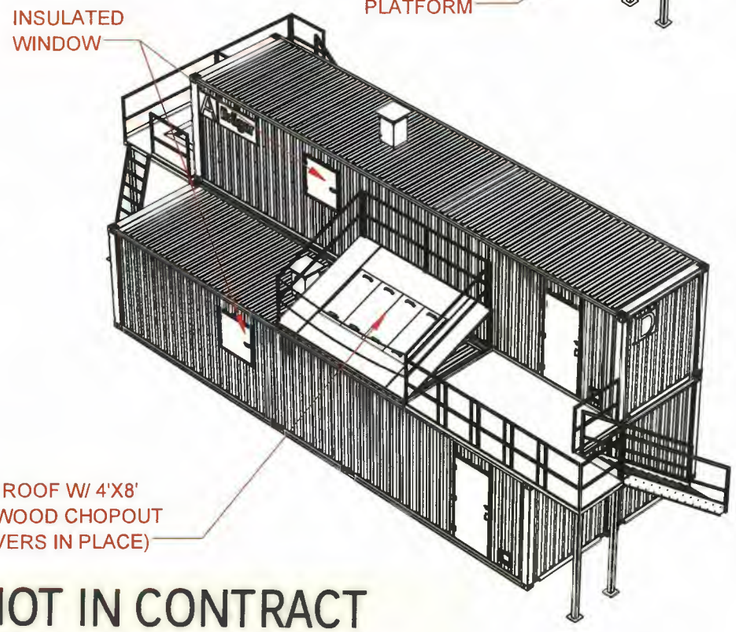
ADDRESS: 3359 BROADWAY, BUFFALO, NY 14227, USA
PROJECT: SHIPPING CONTAINER ASSEMBLY
DRAWING DESCRIPTION: SECTIONS AND CONNECTION DETAILS
REFERENCE FILE: THIS DRAWING HAS BEEN PREPARED FROM INFORMATION SHOWN ON DWG NO.:
FILE NAME: 23-13512.1-R3
DRAWN BY: AM
CHECKED BY: SH
SCALE: AS NOTED
DATE STARTED: JUN. 13, 2023
PROJECT NUMBER: 23-13512.1
DRAWING NUMBER: S-02

S1 – Refer to Swede Survival Drawings

A1 - Refer to Assembly Detail Drawings







NOT IN CONTRACT
FOR REFERENCE ONLY

0	INITIAL DESIGN	BLA	8/24/22
Rev	Revision Description	Drw	date

Dräger

PRODUCT
PHASE II MODIFIED

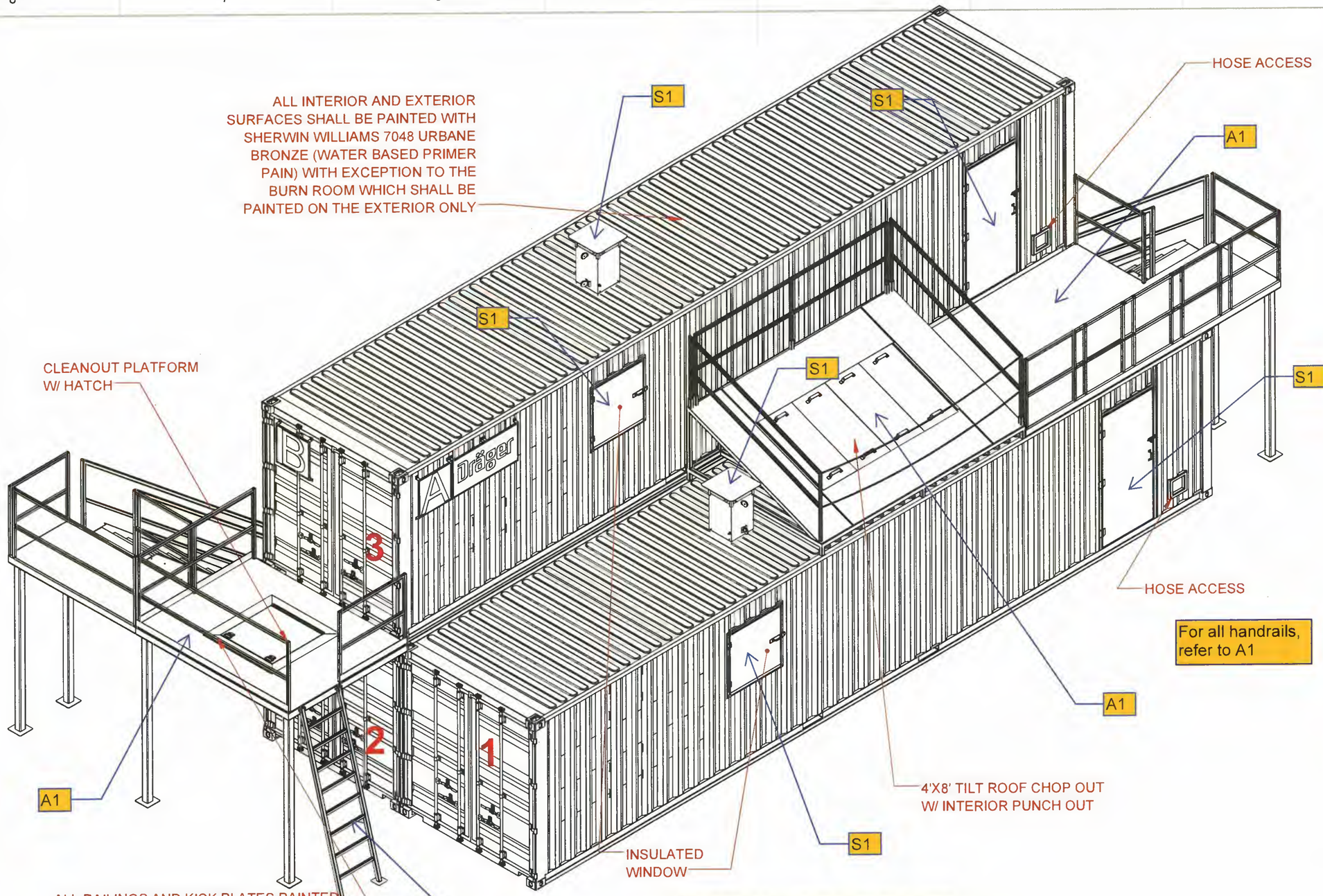
CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
ISO VIEWS

DWG NO.

SHEET 1 OF 17

DATE 8/24/2022
SCALE 1:100
DWN BY BLA
REV 0
PO#



For all handrails, refer to A1

NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

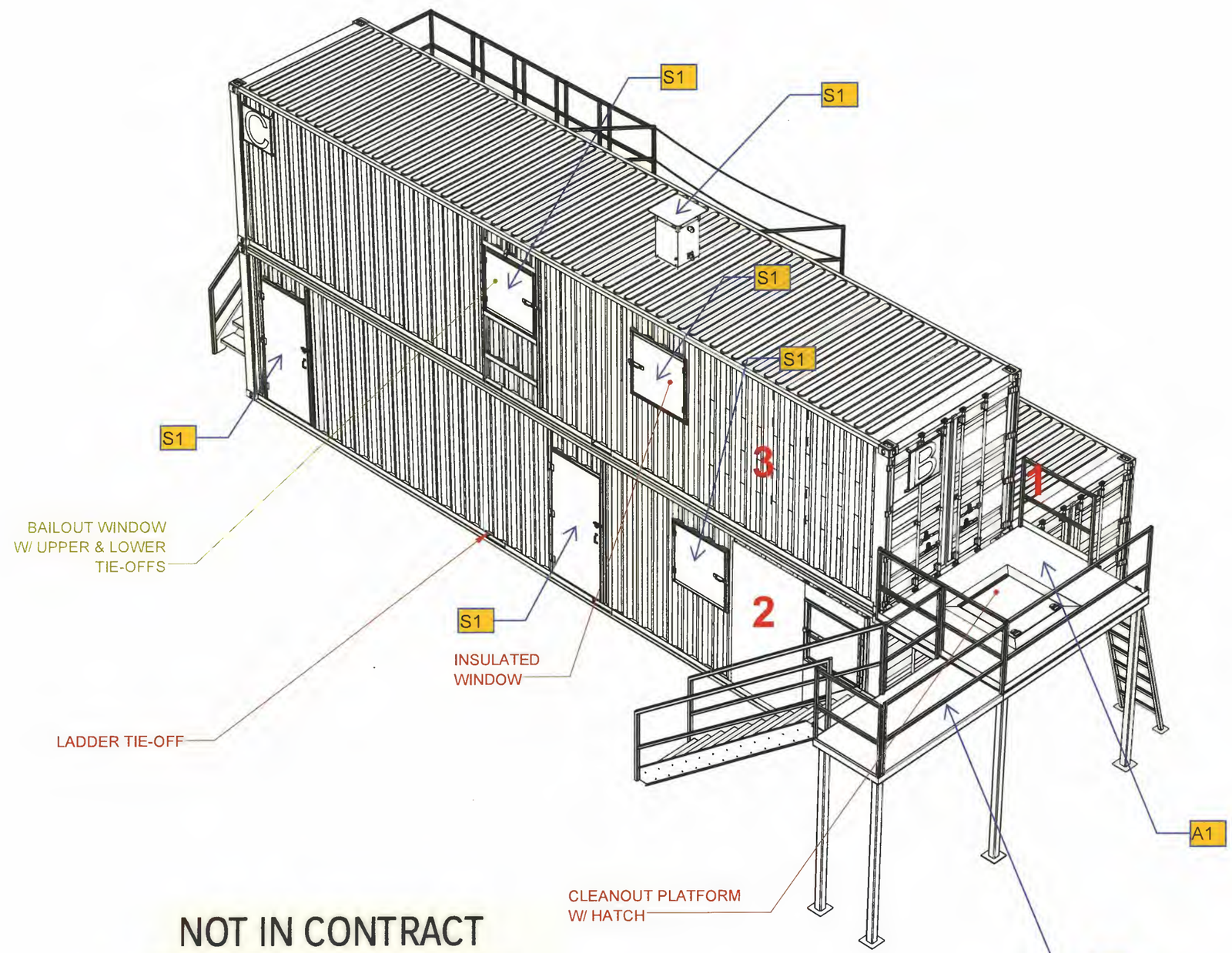
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"A/B" ISO VIEW

DWG NO.
SHEET 2 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

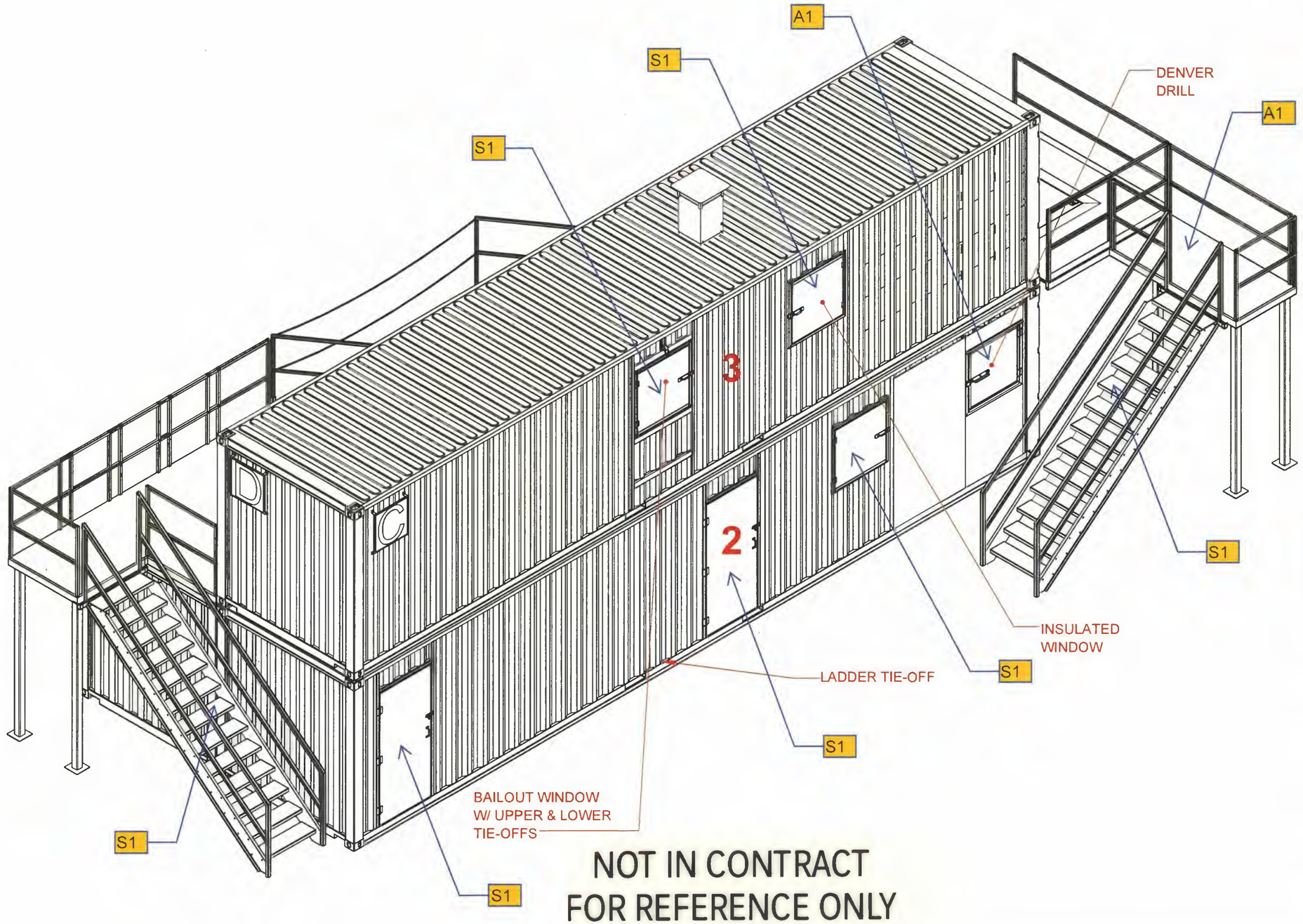
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"B/C" ISO VIEW

DWG NO.
SHEET 3 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

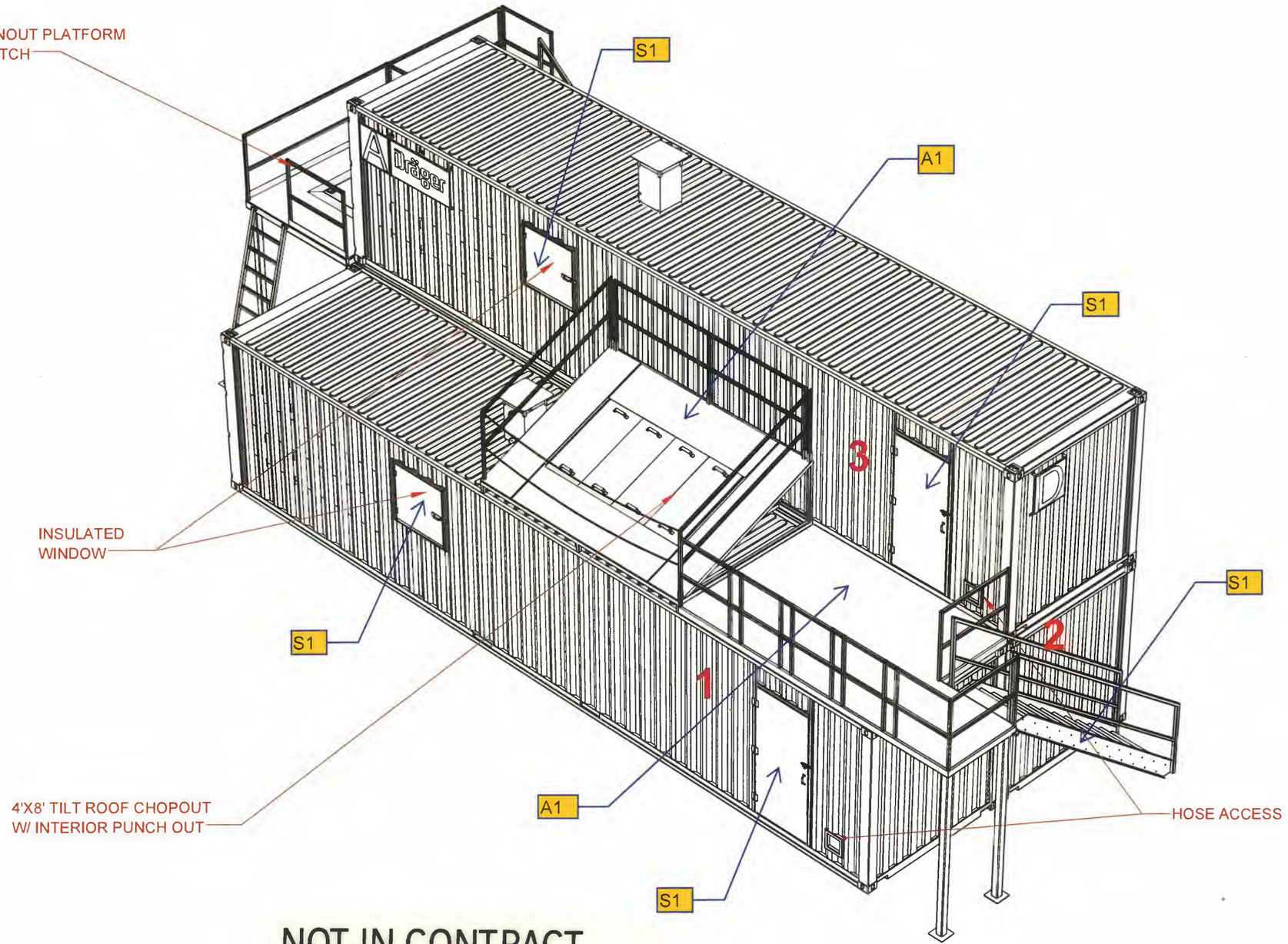
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"C/D" ISO VIEW

DWG NO.
SHEET 4 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/2022

Dräger

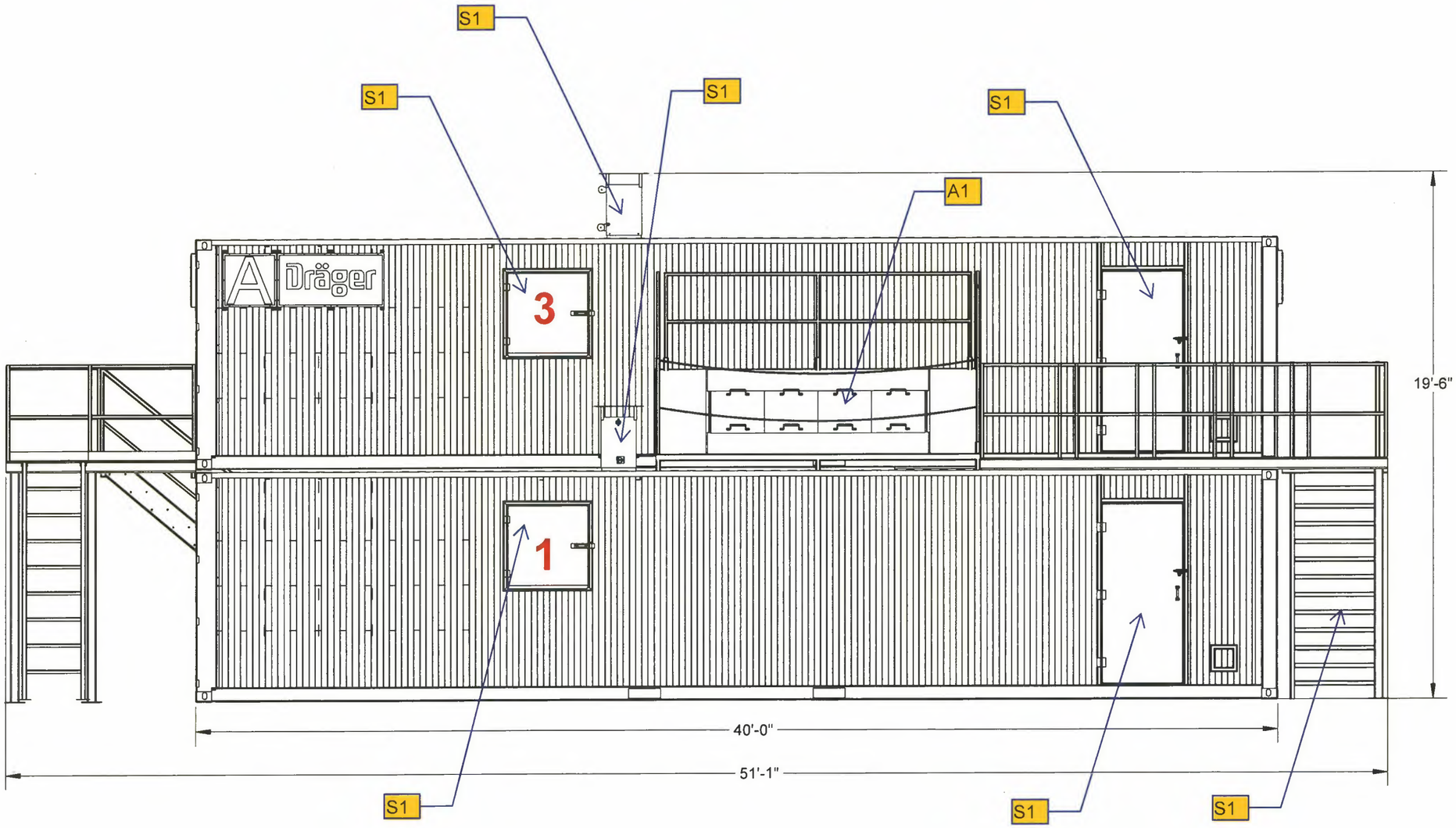
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"A/D" ISO VIEW

DWG NO.
SHEET 5 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

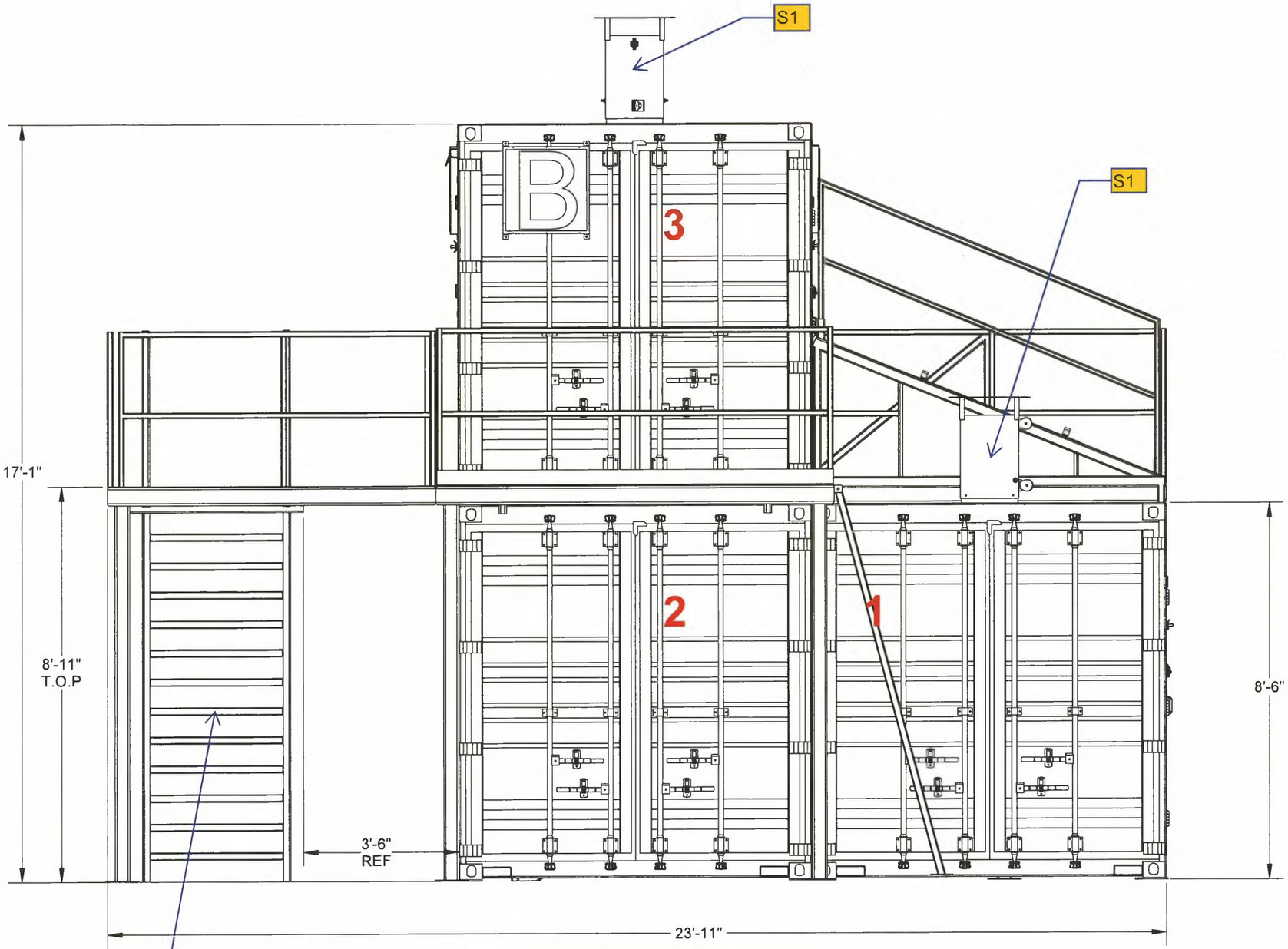
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"A" SIDE ELEVATION

DWG NO.
SHEET 6 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

PRODUCT
PHASE II MODIFIED

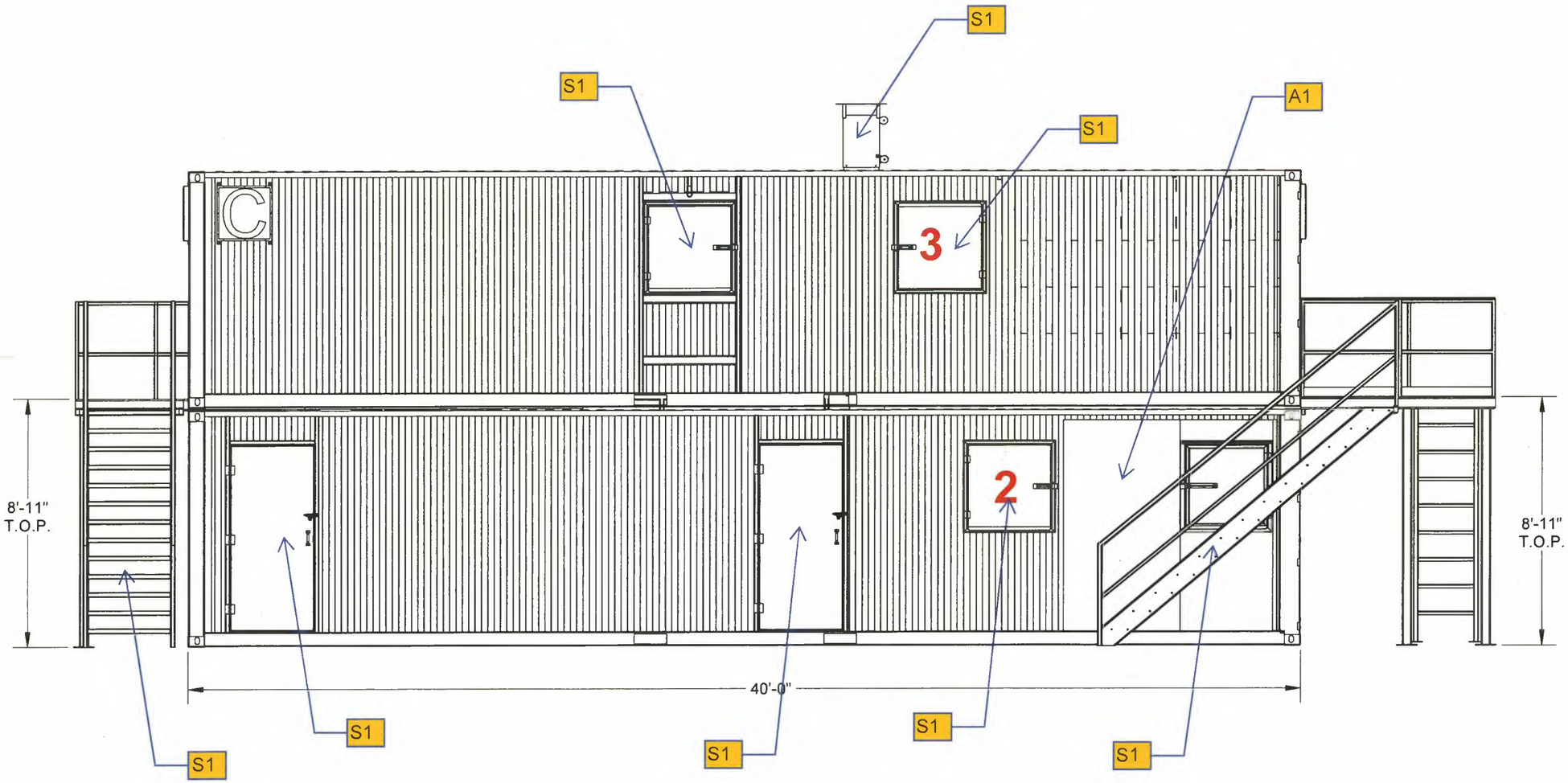
CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"B" SIDE ELEVATION

DWG NO.
SHEET 7 OF 17

DATE	SCALE
8/24/2022	1:30
DWN BY	REV
BLA	0

PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

PRODUCT
PHASE II MODIFIED

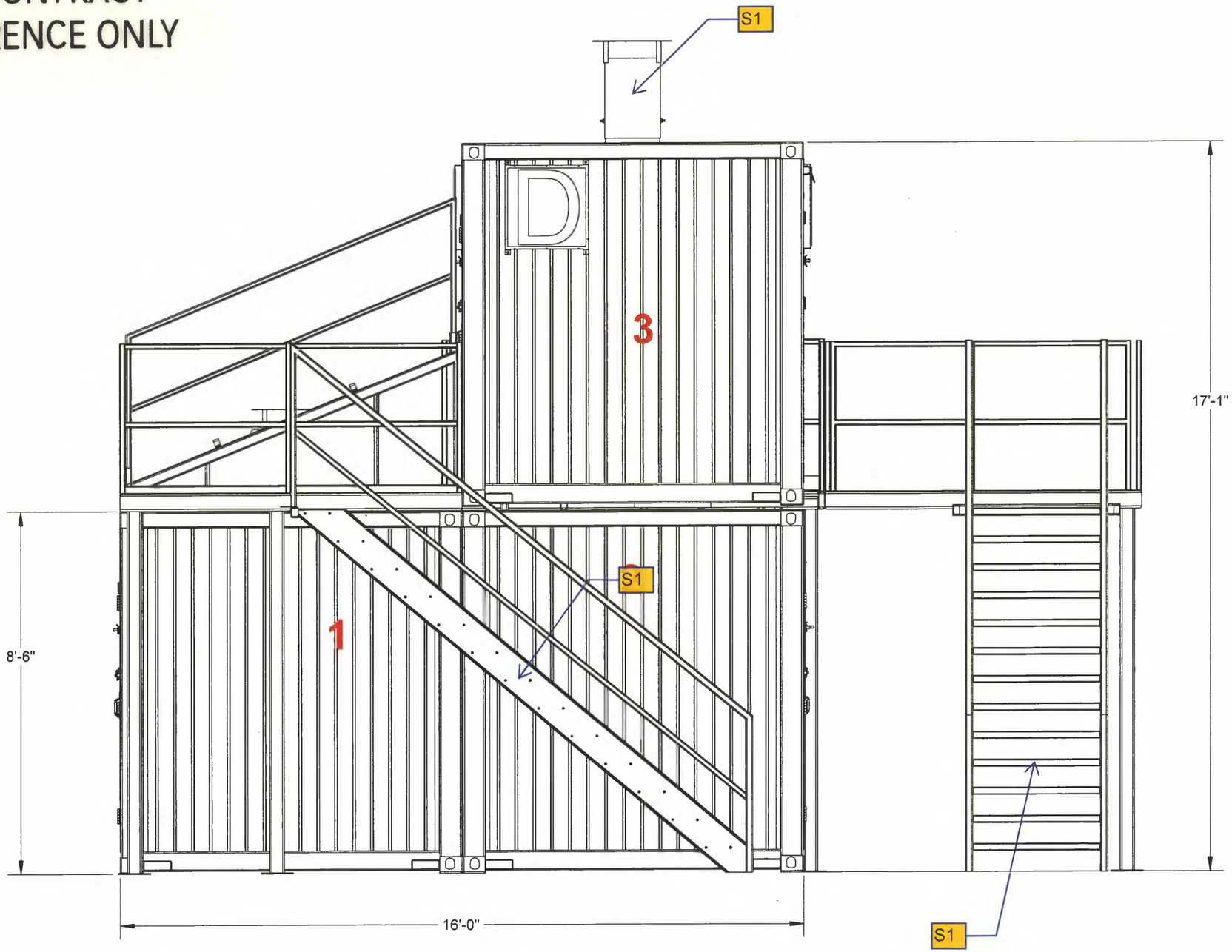
CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"C" SIDE ELEVATION

DWG NO.
SHEET 8 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#

NOT IN CONTRACT
FOR REFERENCE ONLY



0	INITIAL DESIGN	BLA	8/24/22
Rev	Revision Description	Drw	date

Dräger

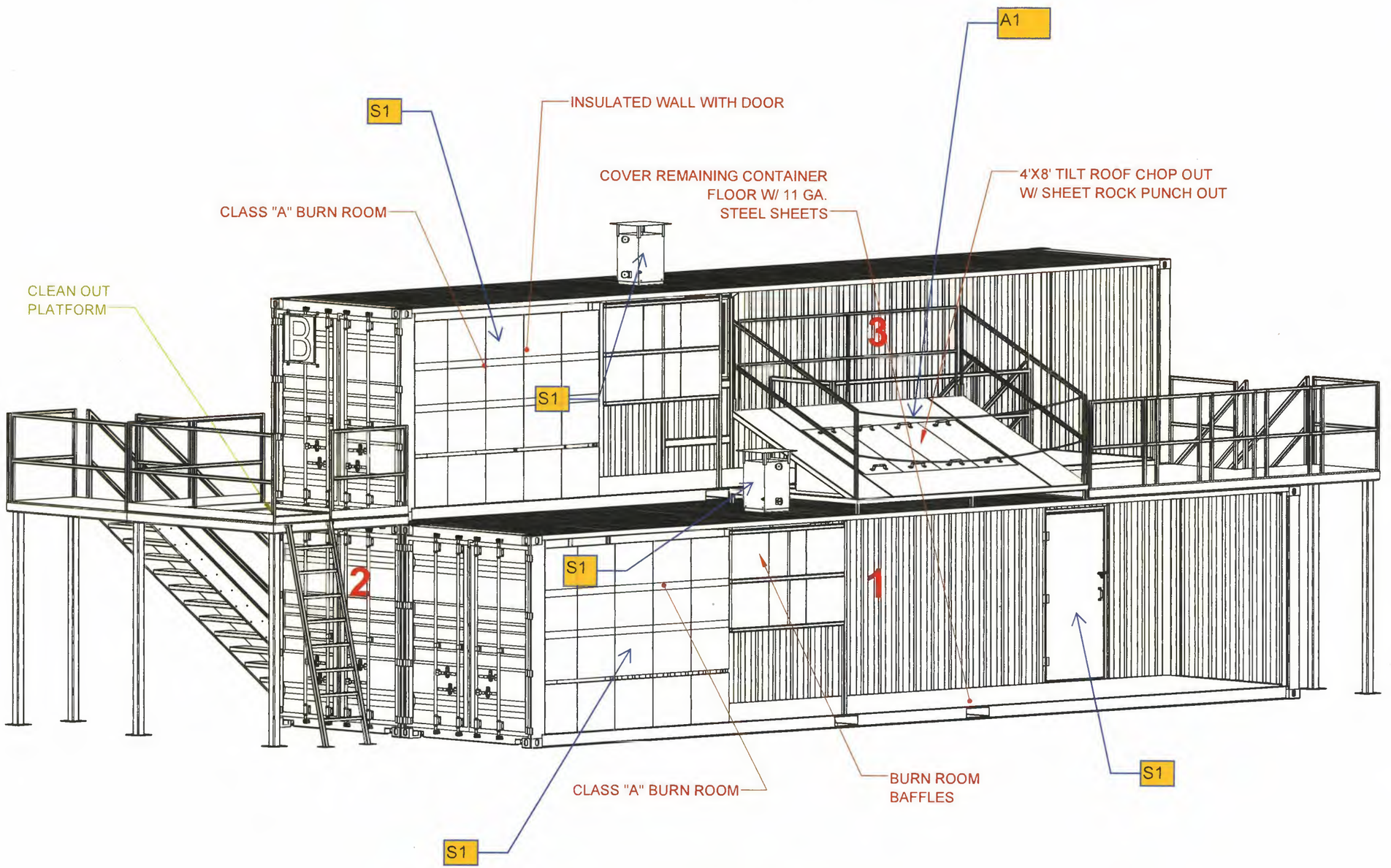
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"D" SIDE ELEVATION

DWG NO.
SHEET 9 OF 17

DATE 8/24/2022
SCALE 1:30
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

0	INITIAL DESIGN	BLA	8/24/22
Rev	Revision Description	Drw	date

Dräger

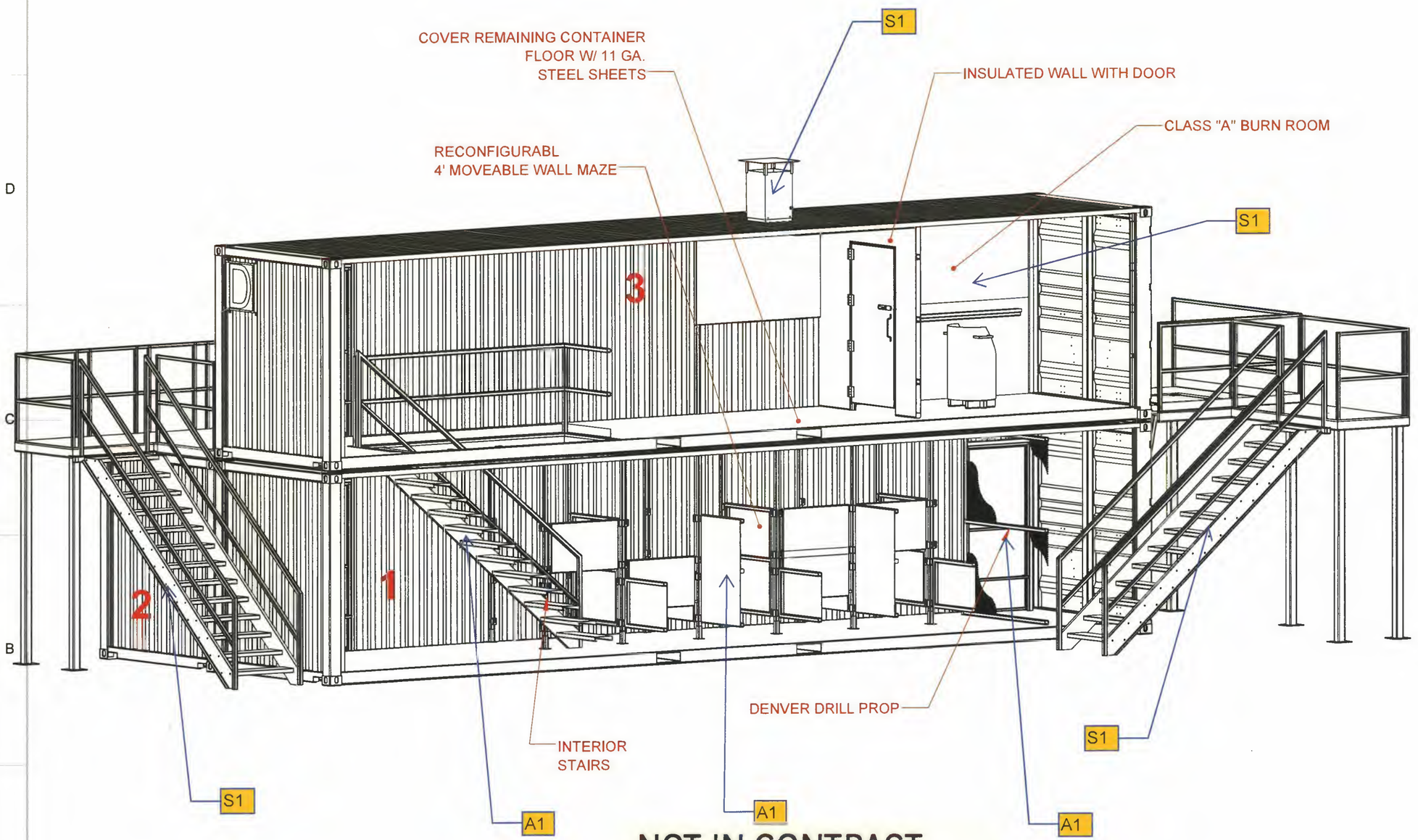
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"A" SIDE CUTAWAY

DWG NO.
SHEET 10 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/2022

Dräger

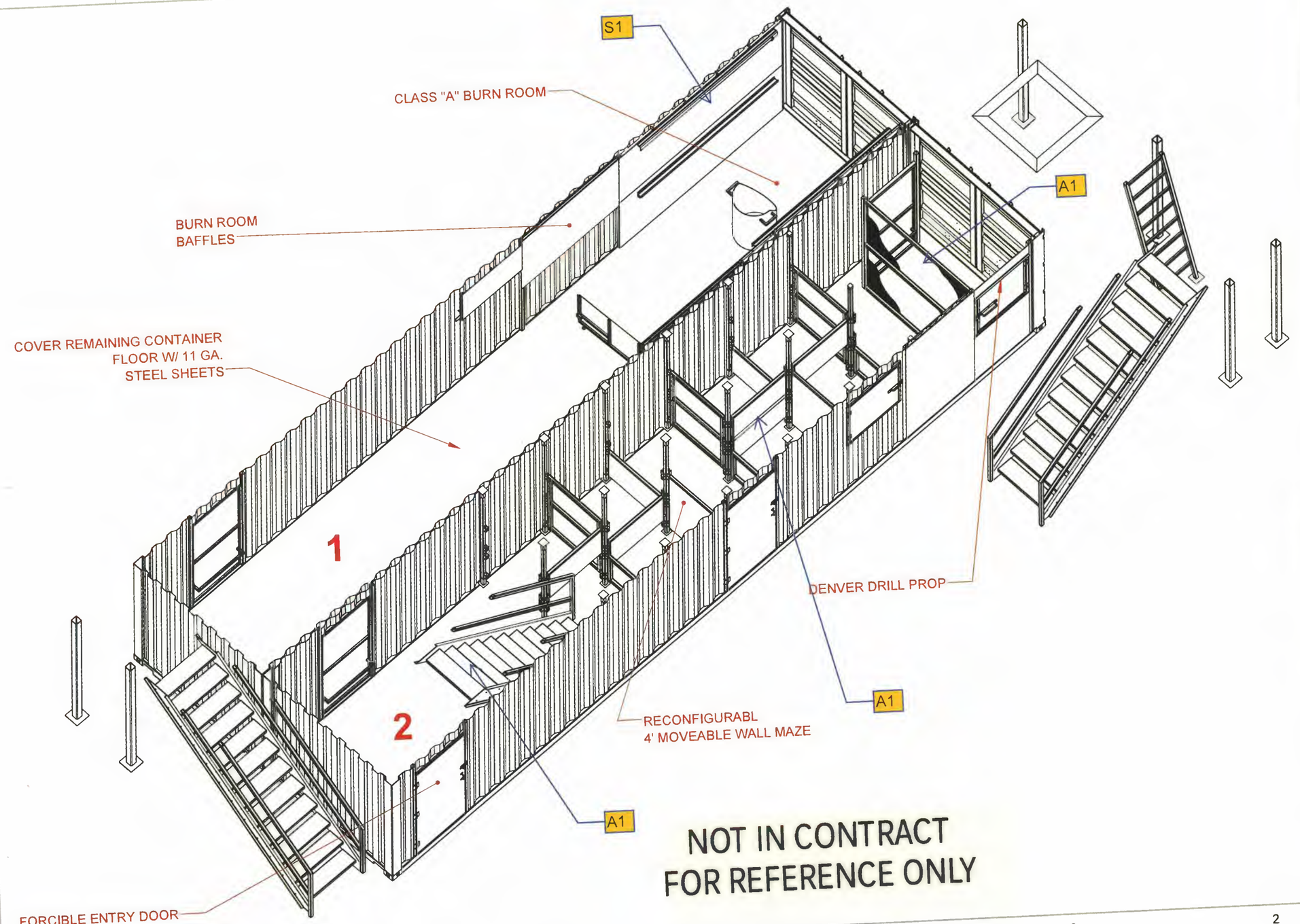
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
"C" SIDE CUTAWAY

DWG NO.
SHEET 11 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

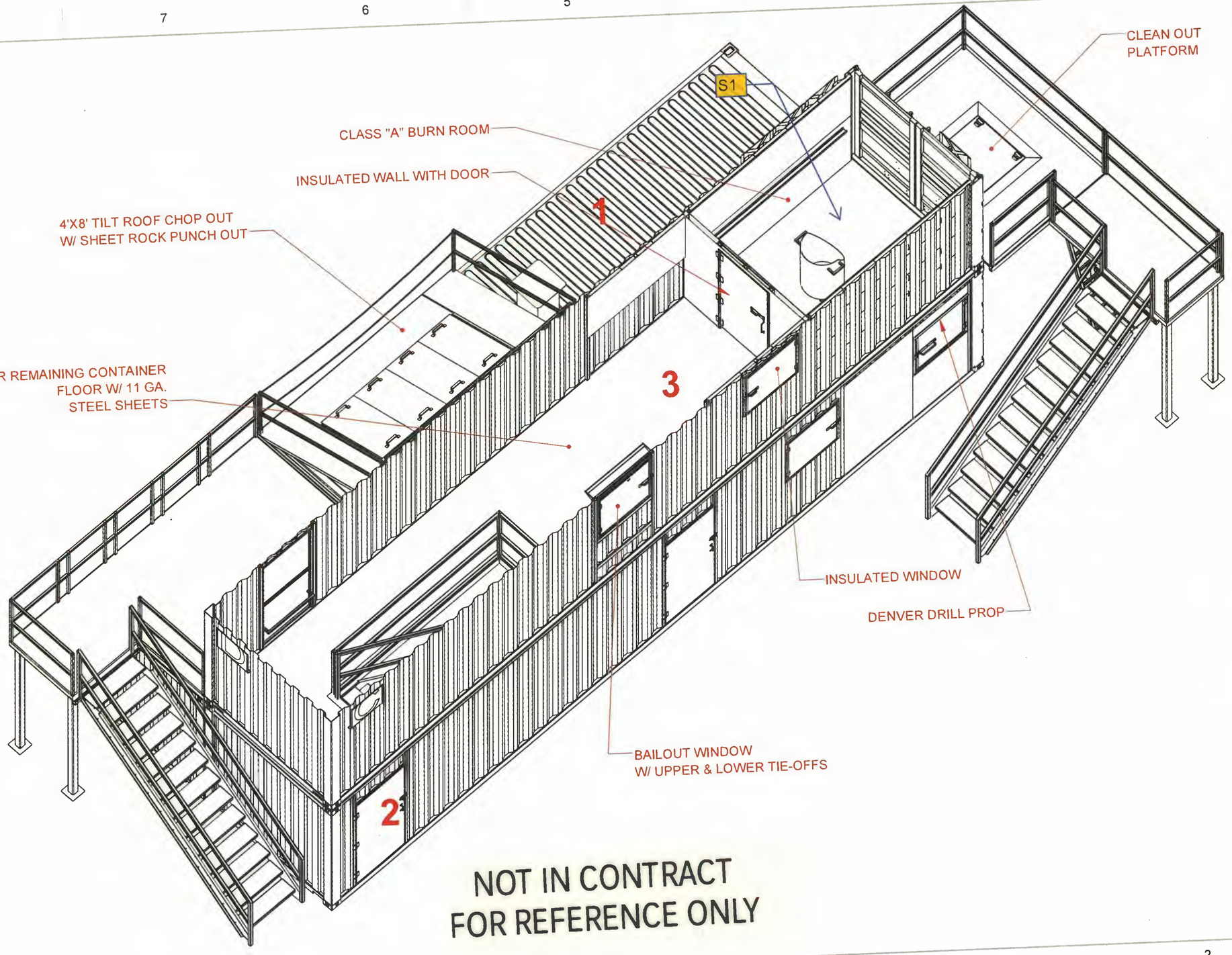
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
1ST FLOOR CUTAWAY

DWG NO.
SHEET 12 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#



Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/22

Dräger

PRODUCT
PHASE II MODIFIED

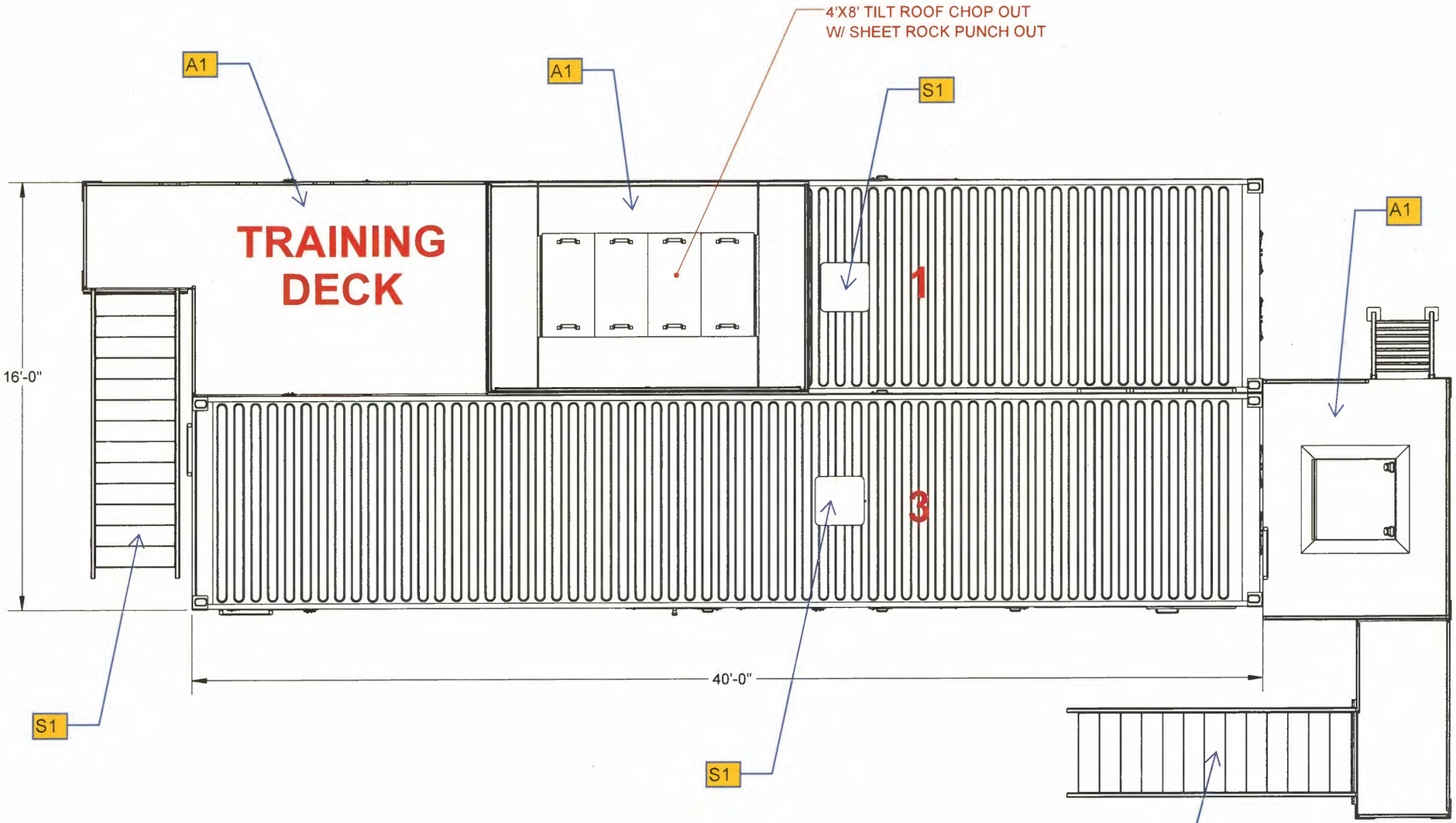
CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
2ND FLOOR CUTAWAY

DWG NO.
SHEET 13 OF 17

DATE 8/24/2022
SCALE 1:50
DWN BY BLA
REV 0
PO#

NOT IN CONTRACT
FOR REFERENCE ONLY



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/2022

Dräger

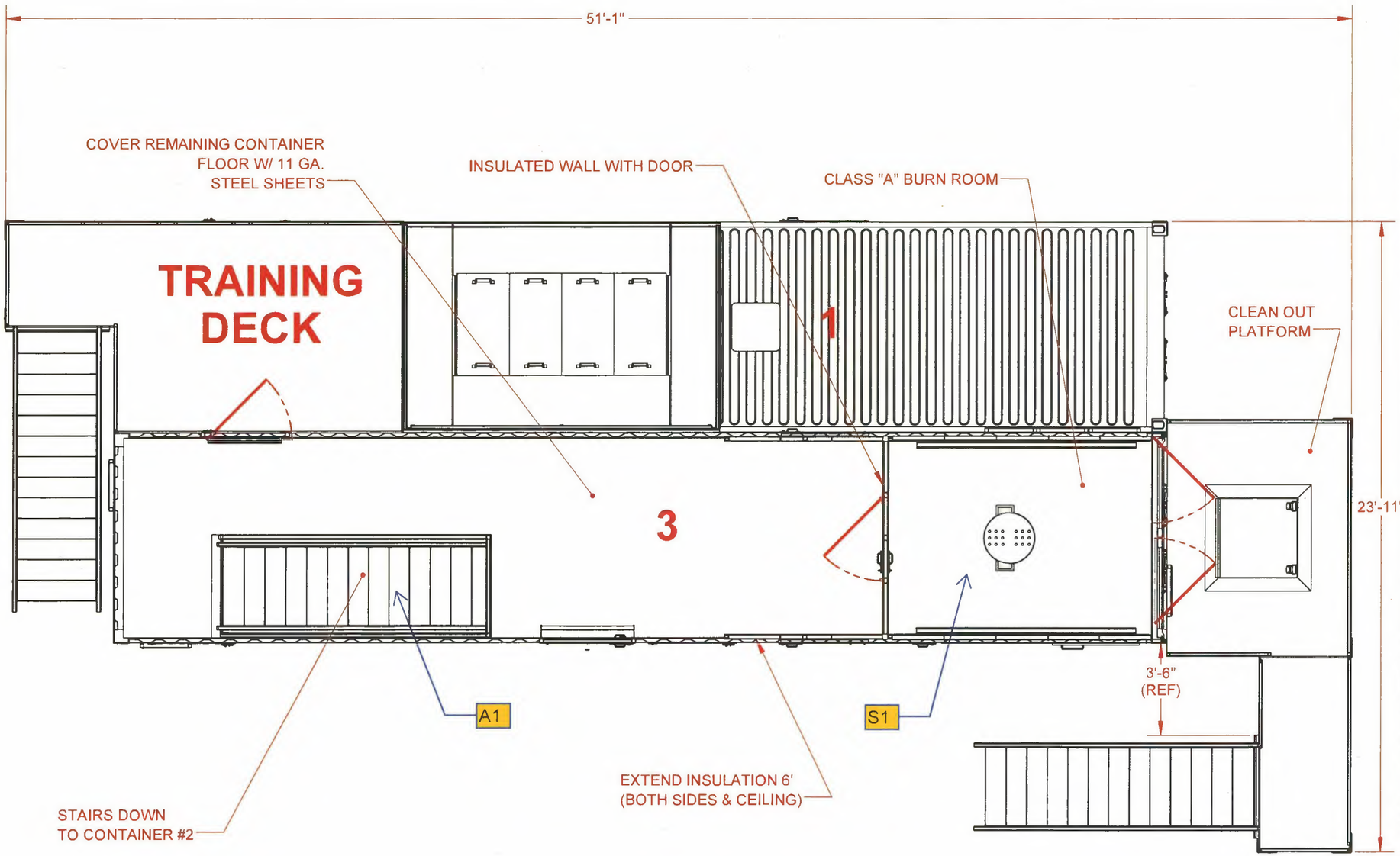
PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
TOP VIEW

DWG NO.
SHEET 14 OF 17

DATE	SCALE
8/24/2022	1:50
DWN BY	REV
BLA	0
PO#	



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/2022

Dräger

PRODUCT
PHASE II MODIFIED

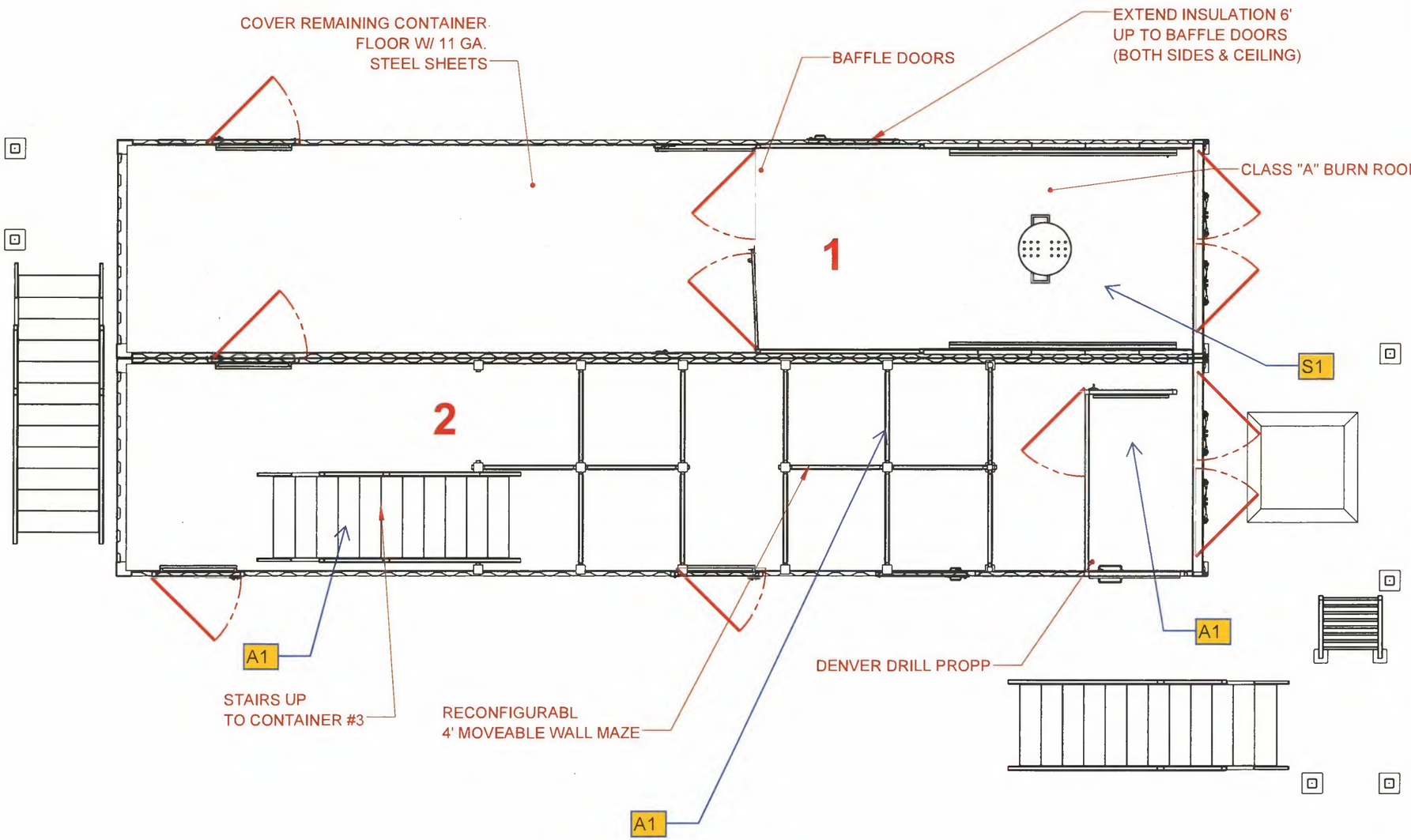
CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
SECOND FLOOR

DWG NO.
SHEET 15 OF 17

DATE	SCALE
8/24/2022	1:50
DWN BY	REV
BLA	0

PO#



NOT IN CONTRACT
FOR REFERENCE ONLY

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/2022

Dräger

PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

TITLE
FIRST FLOOR

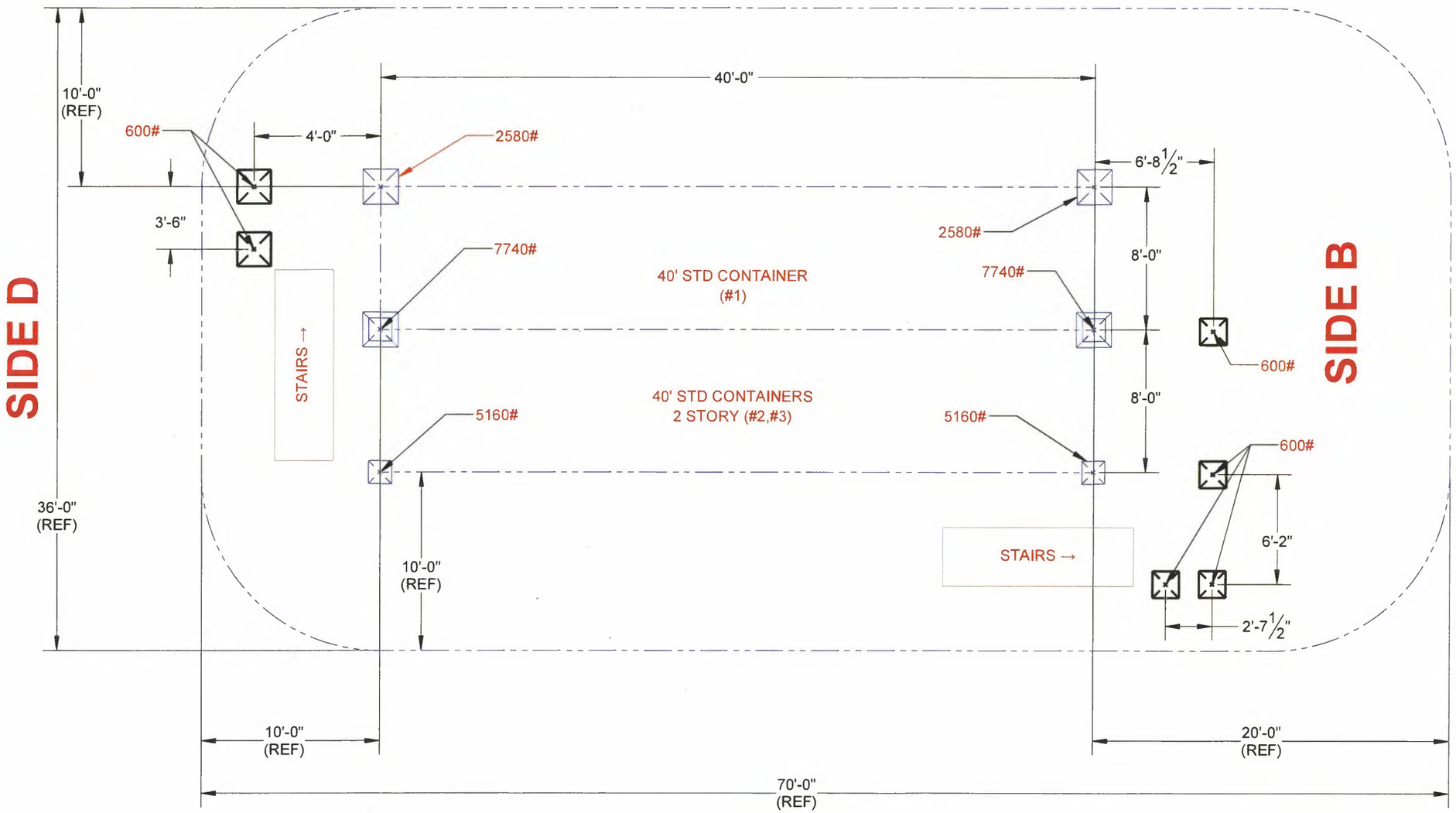
DWG NO.
SHEET 16 OF 17

DATE	SCALE
8/24/2022	1:50
DWN BY	REV
BLA	0

PO#

NOT IN CONTRACT
FOR REFERENCE ONLY

SIDE A



GENERAL NOTES

1. THE POINT LOADS SHOWN ARE BASED ON CONTAINER TARE WEIGHTS WITH ALLOWANCES MADE FOR ANCILLARY STRUCTURES. NO WIND LOADS OR SOIL ANALYSIS WERE TAKEN INTO CONSIDERATION FOR THESE LOADS.
2. THE EXACT LOCATION OF THE CONTAINERS ON THE PADS/SLAB TO BE AS PER THE DESIGN OF THE FOUNDATION.
3. PADS MUST BE TRUE LEVEL.

Rev	Revision Description	Drw	date
0	INITIAL DESIGN	BLA	8/24/2022

Dräger

PRODUCT
PHASE II MODIFIED

CUSTOMER
ERIE COUNTY FIRE ACADEMY

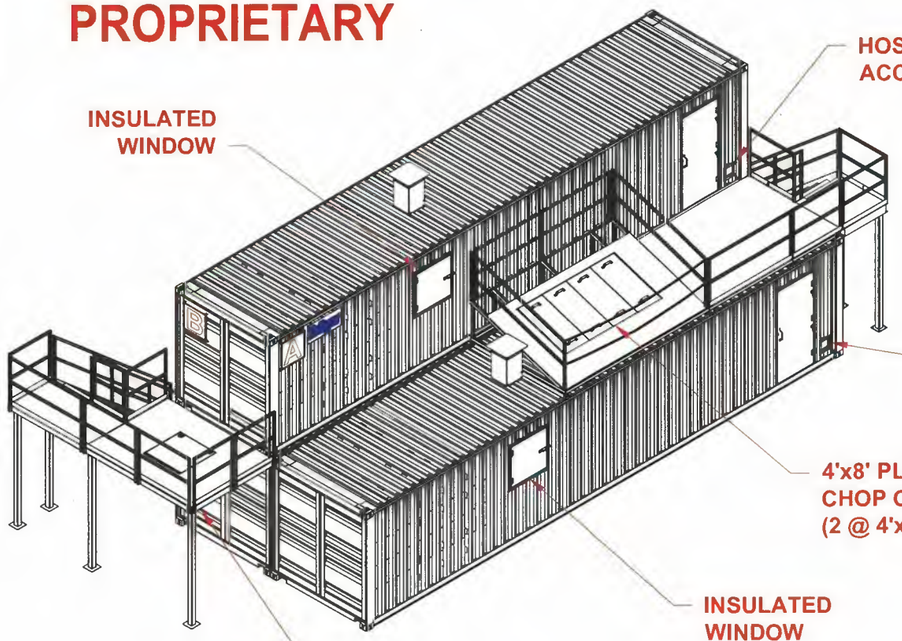
TITLE
POINT LOAD LAYOUT

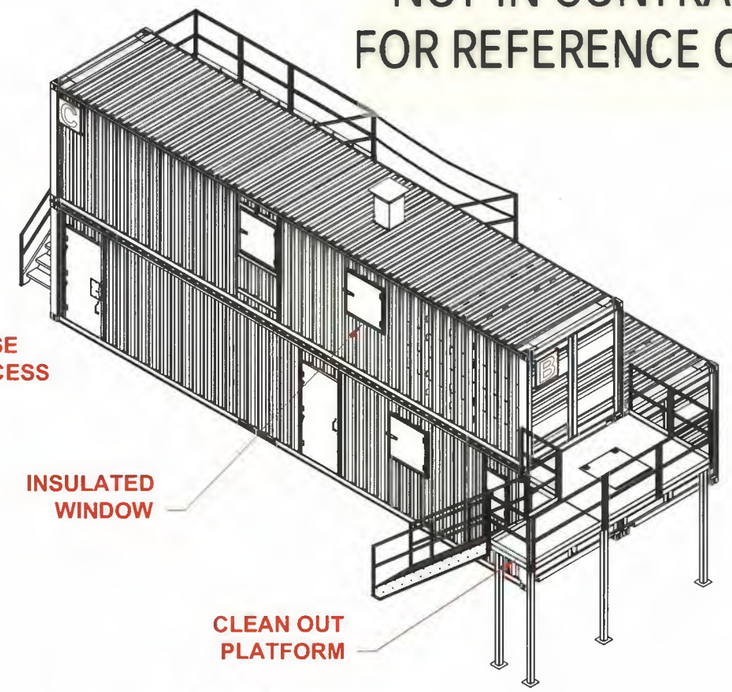
DWG NO.
SHEET 17 OF 17

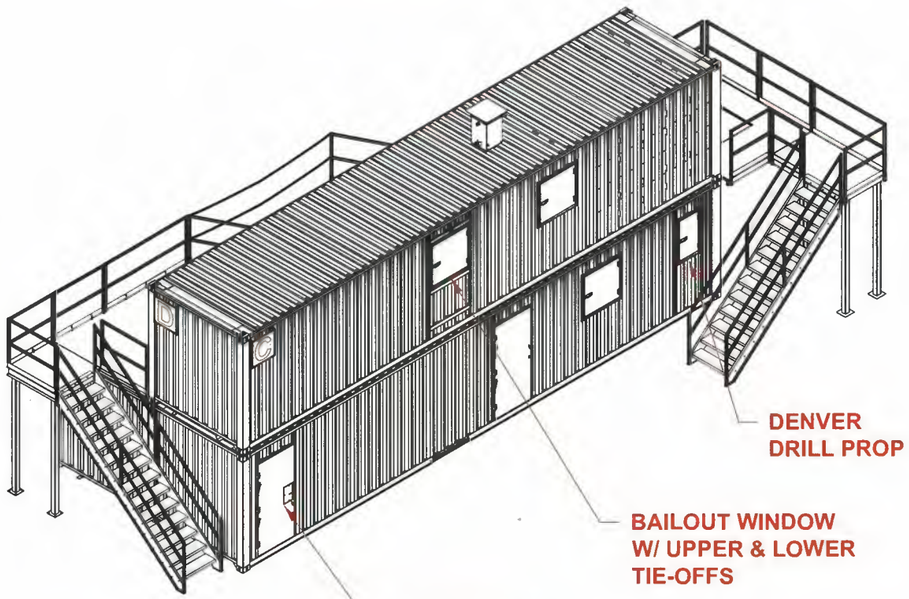
DATE	SCALE
8/24/2022	1:75
DWN BY	REV
BLA	0
PO#	

PROPRIETARY

NOT IN CONTRACT
FOR REFERENCE ONLY







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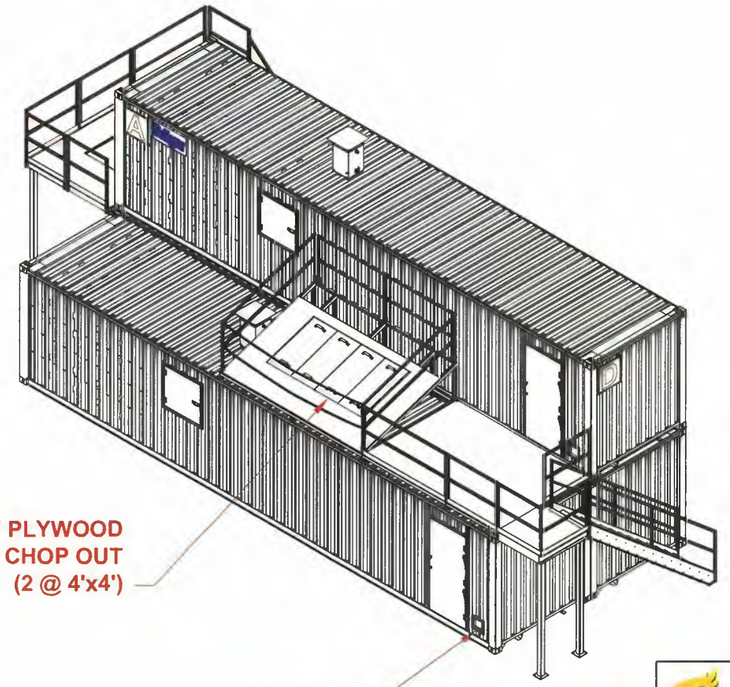


REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

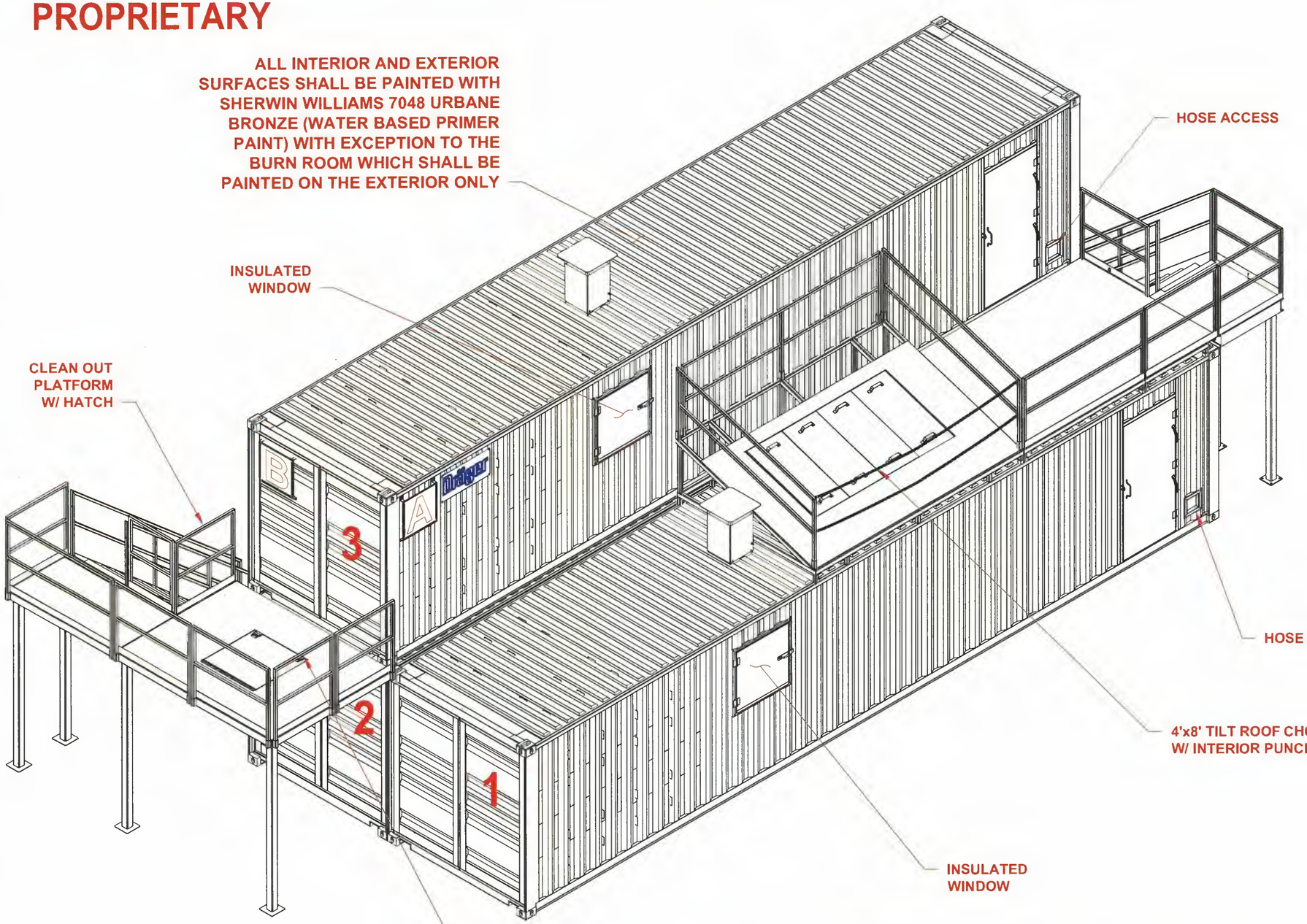
Dräger

PRODUCT	PHASE II MODIFIED
CUSTOMER	ERIE COUNTY FIRE ACADEMY
TITLE	ISO VIEW
DWG NO.	SH 01 OF 17
DATE	APR 20, 2021
SCALE	NTS
DWN BY	JIM H.
REV.	A
PO#	4302356297

Swede Survival Systems

PROPRIETARY

ALL INTERIOR AND EXTERIOR SURFACES SHALL BE PAINTED WITH SHERWIN WILLIAMS 7048 URBANE BRONZE (WATER BASED PRIMER PAINT) WITH EXCEPTION TO THE BURN ROOM WHICH SHALL BE PAINTED ON THE EXTERIOR ONLY



"A/B" ISO VIEW

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: A/B SIDES ISO VIEW

DWG NO.: SH 02 OF 17

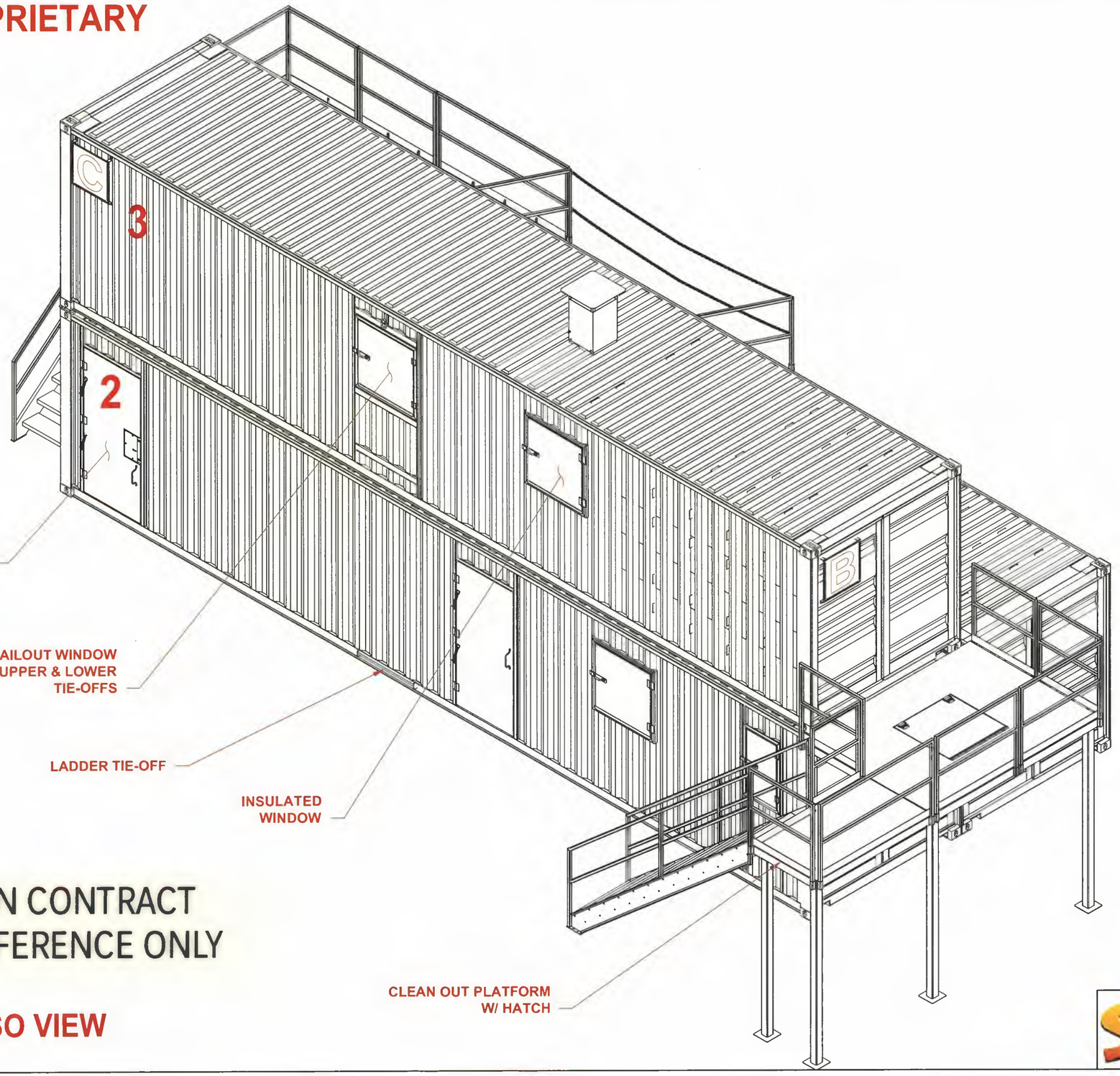
Swede Survival Systems

DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

PROPRIETARY



NOT IN CONTRACT
FOR REFERENCE ONLY

"B/C" ISO VIEW

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: B/C SIDES ISO VIEW

DWG NO.: SH 03 OF 17

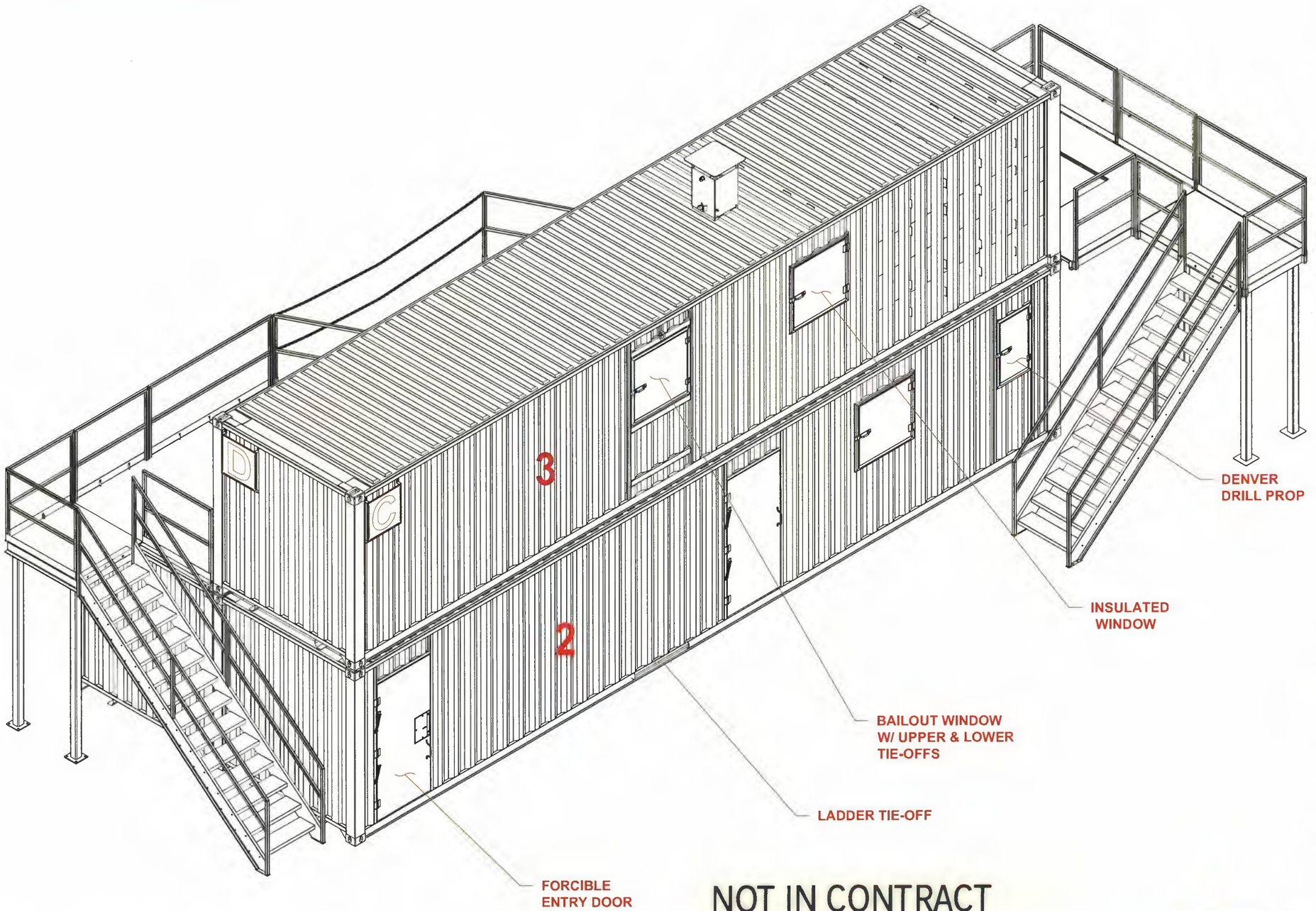
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



"C/D" ISO VIEW

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: C/D SIDES ISO VIEW

DWG NO.: SH 04 OF 17

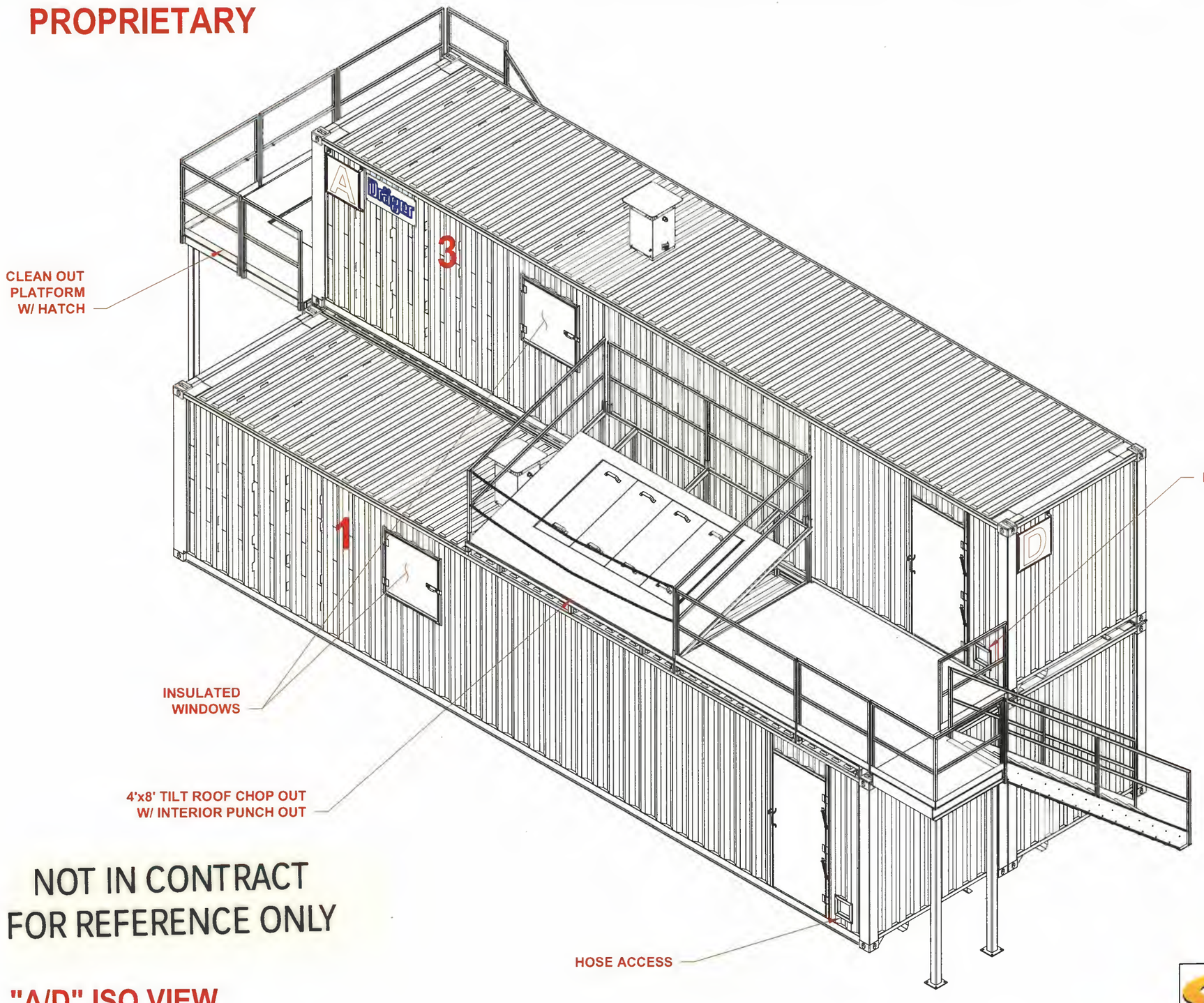
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



NOT IN CONTRACT
FOR REFERENCE ONLY

"A/D" ISO VIEW

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: A/D SIDES ISO VIEW

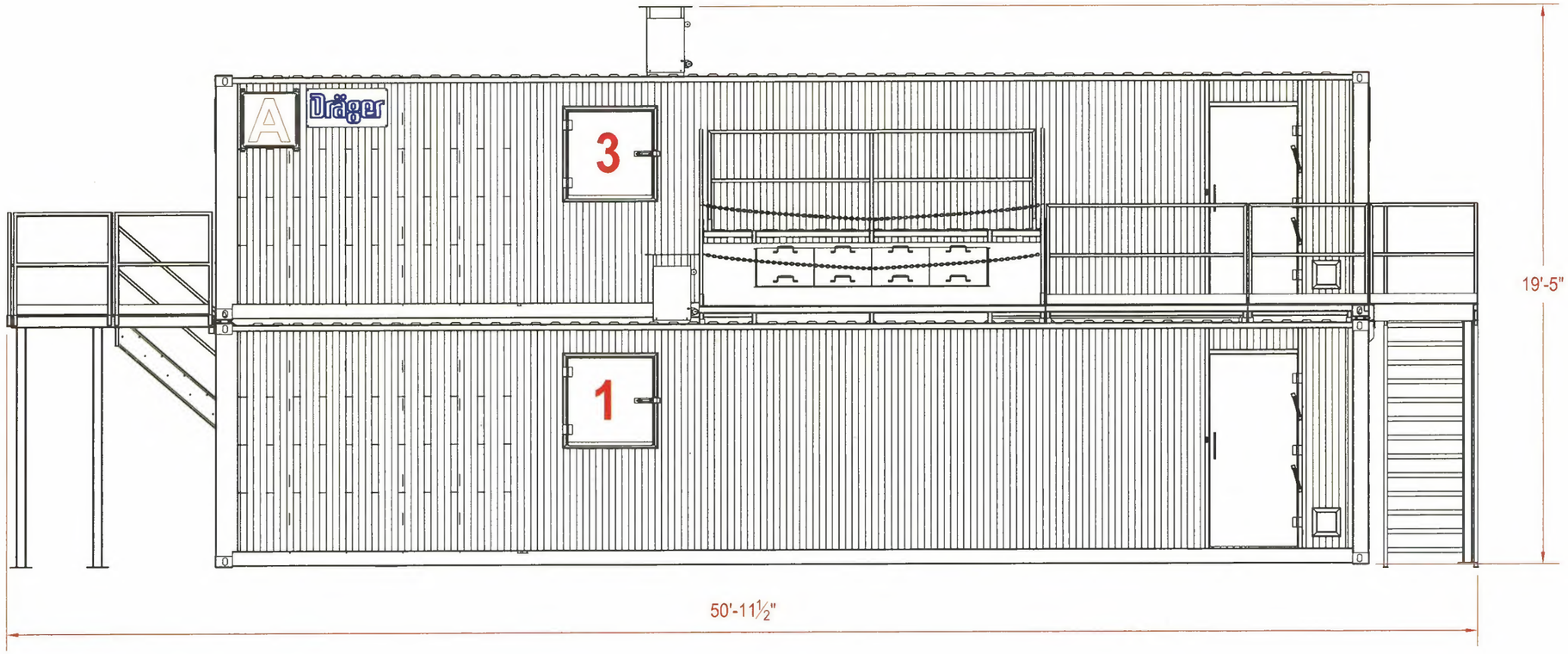
DWG NO.: SH 05 OF 17

DATE	SCALE
APR 20, 2021	NTS
DWN BY: JIM H.	REV. A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



"A" SIDE ELEVATION

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: A SIDE ELEVATION

DWG NO.: SH 06 OF 17

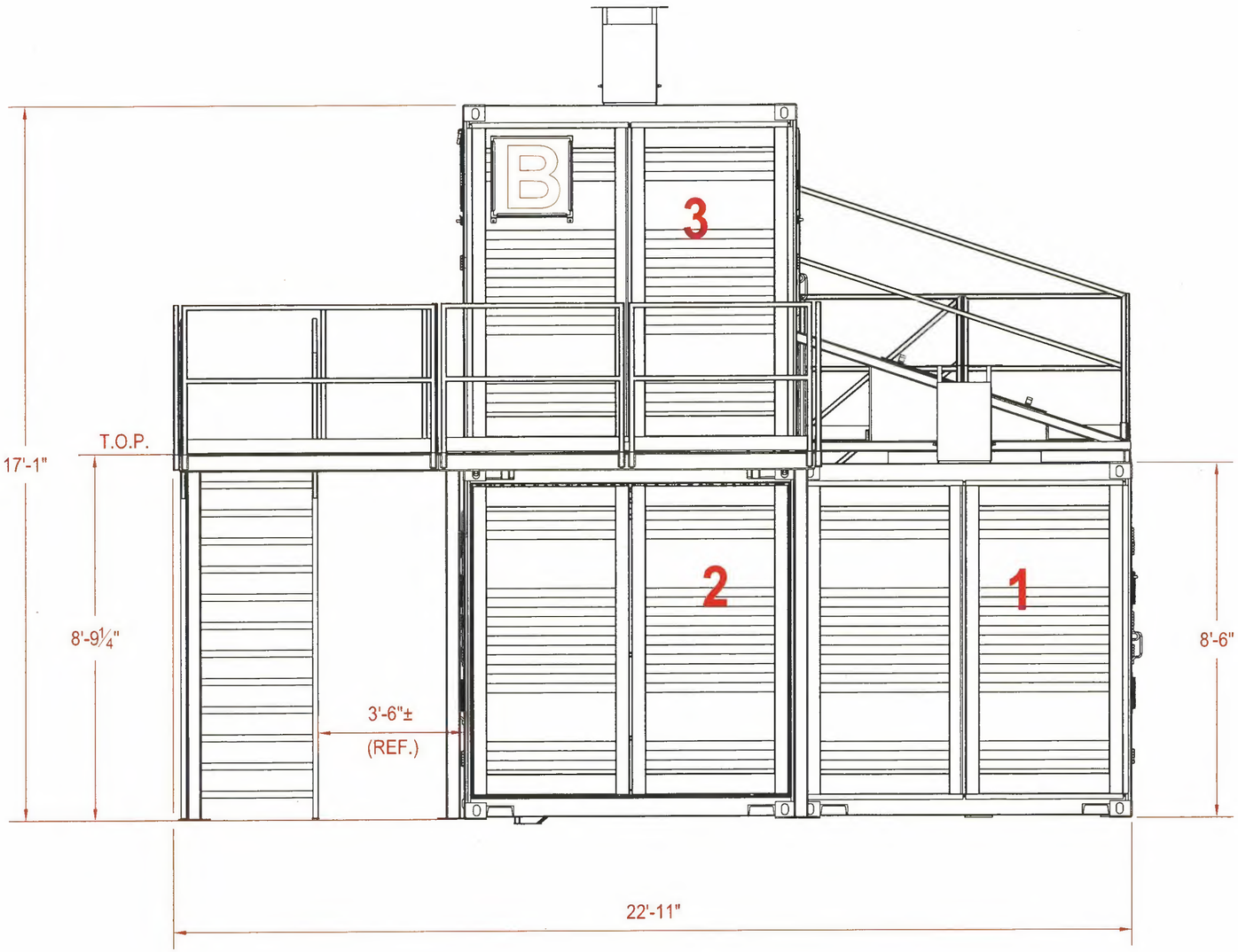
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



"B" SIDE ELEVATION

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: B SIDE ELEVATION

DWG NO.: SH 07 OF 17

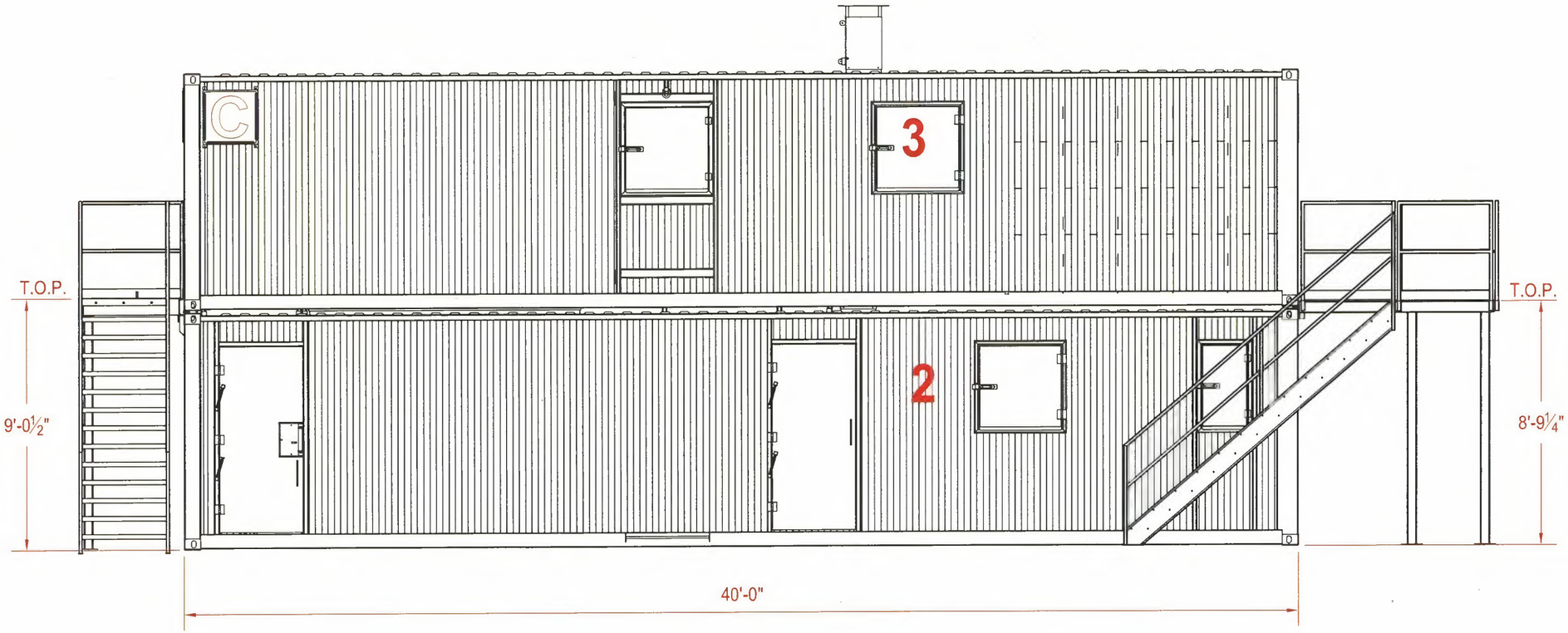
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



"C" SIDE ELEVATION

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: C SIDE ELEVATION

DWG NO.: SH 08 OF 17

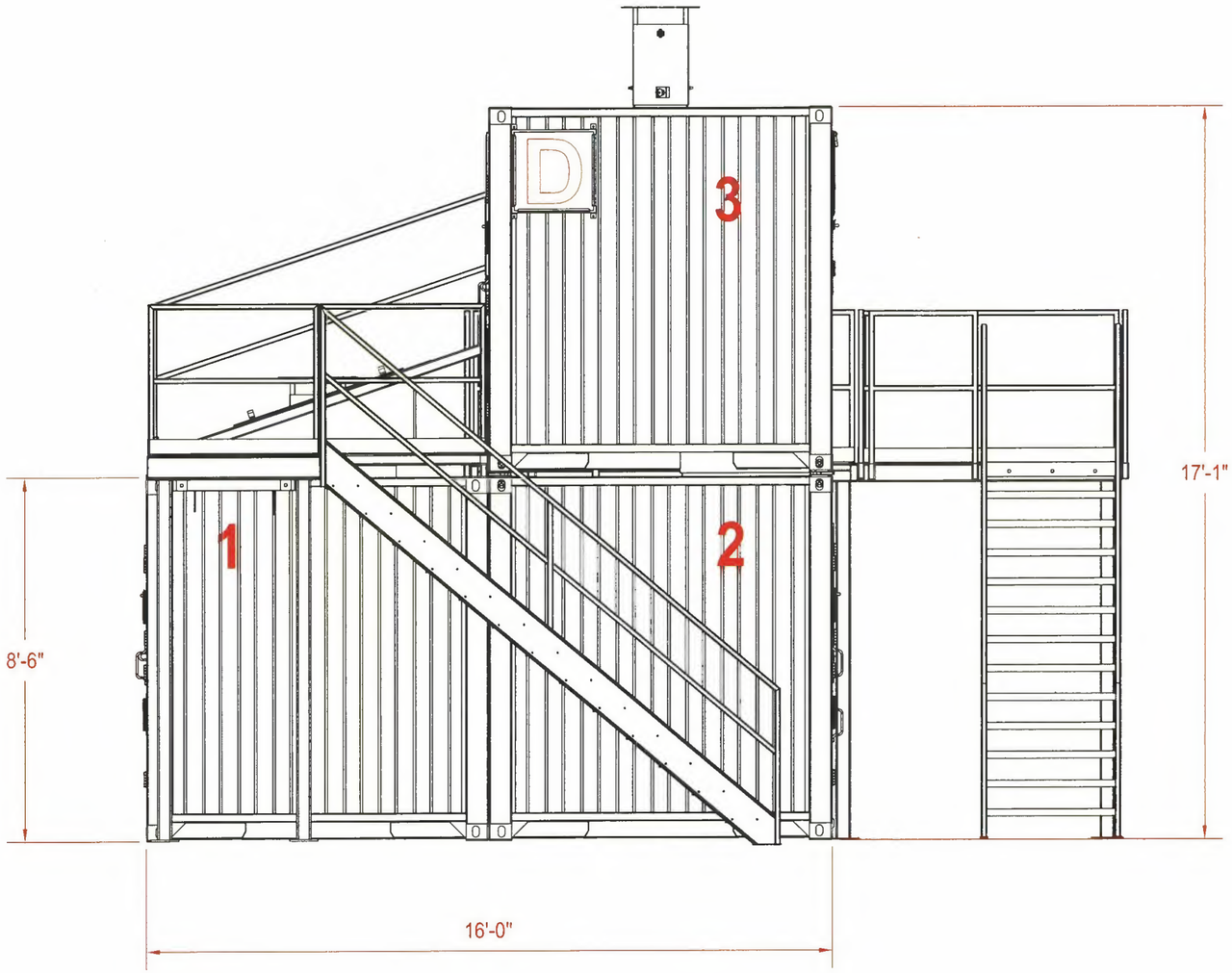
Swede Survival Systems

DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

PROPRIETARY



"D" SIDE ELEVATION

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: D SIDE ELEVATION

DWG NO.: SH 09 OF 17

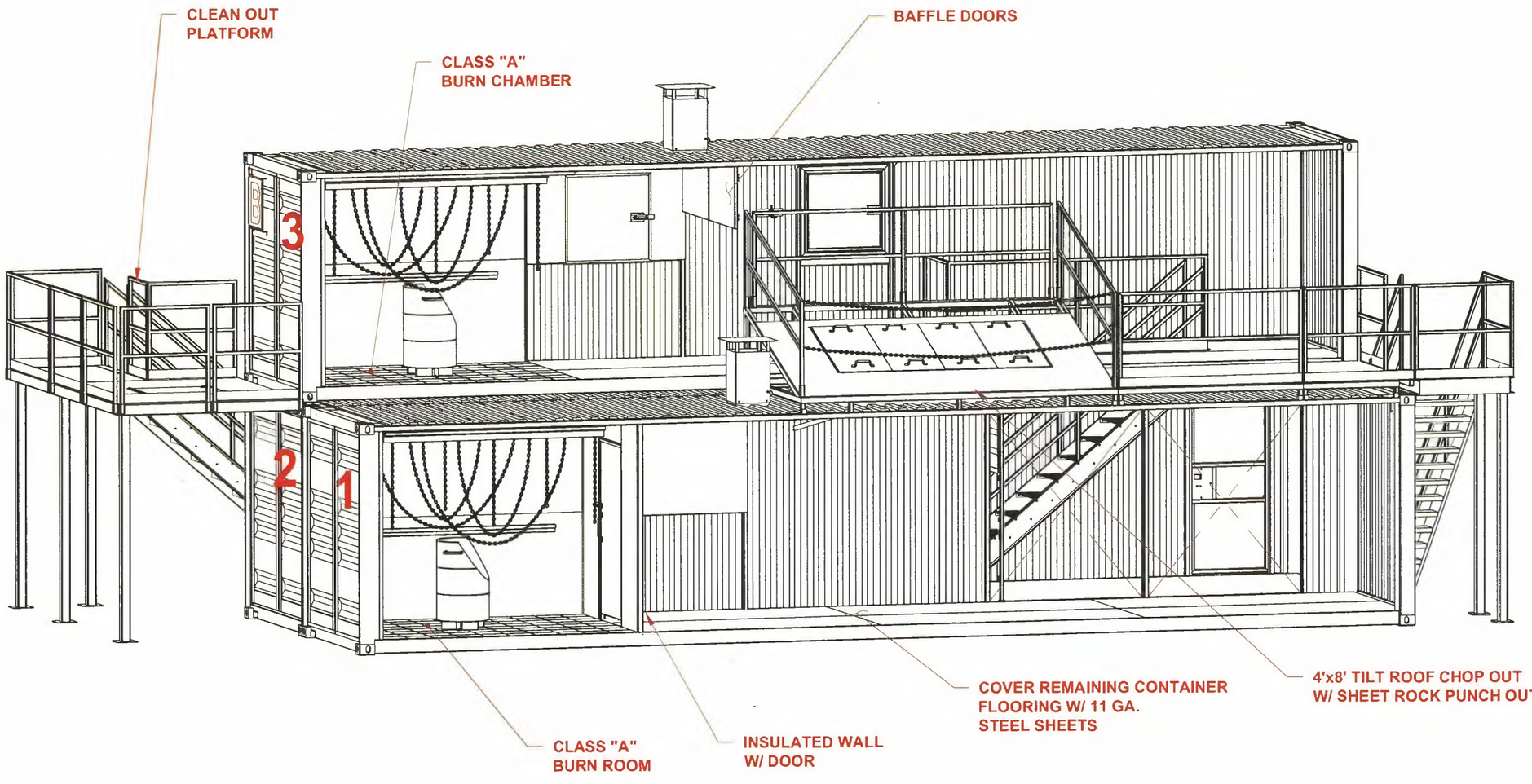
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



"A" SIDE CUTAWAY

NOT IN CONTRACT
FOR REFERENCE ONLY

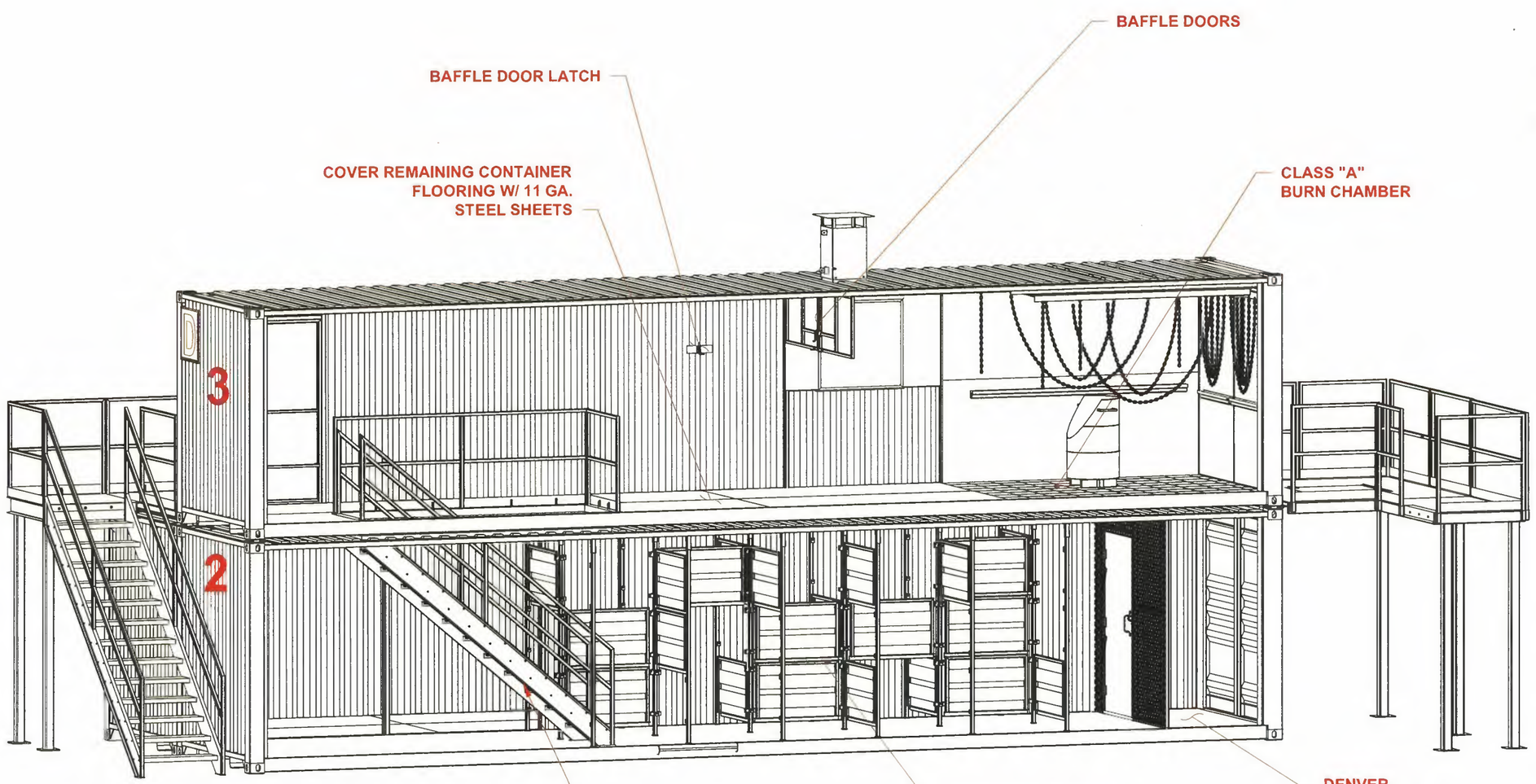
REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT	PHASE II MODIFIED
CUSTOMER	ERIE COUNTY FIRE ACADEMY
TITLE	A SIDE CUTAWAY
DWG NO.	SH 10 OF 17
DATE	APR 20, 2021
SCALE	NTS
DWN BY	JIM H.
REV.	A
PO#	4302356297

Swede Survival Systems

PROPRIETARY



"C" SIDE CUTAWAY

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: C SIDE CUTAWAY

DWG NO.: SH 11 OF 17

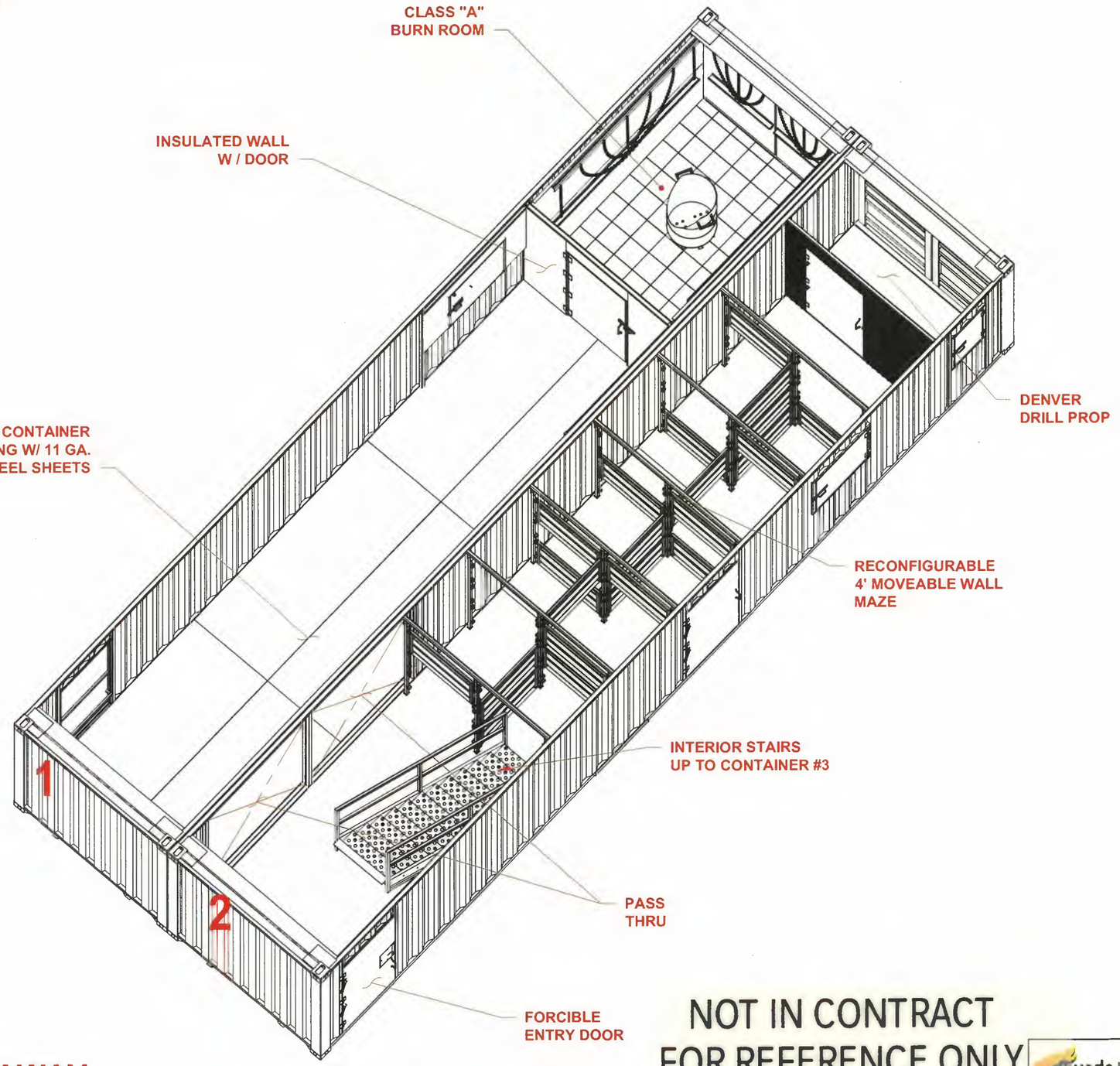
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



1ST FLOOR CUTAWAY

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: 1ST FLOOR CUTAWAY

DWG NO.: SH 12 OF 17

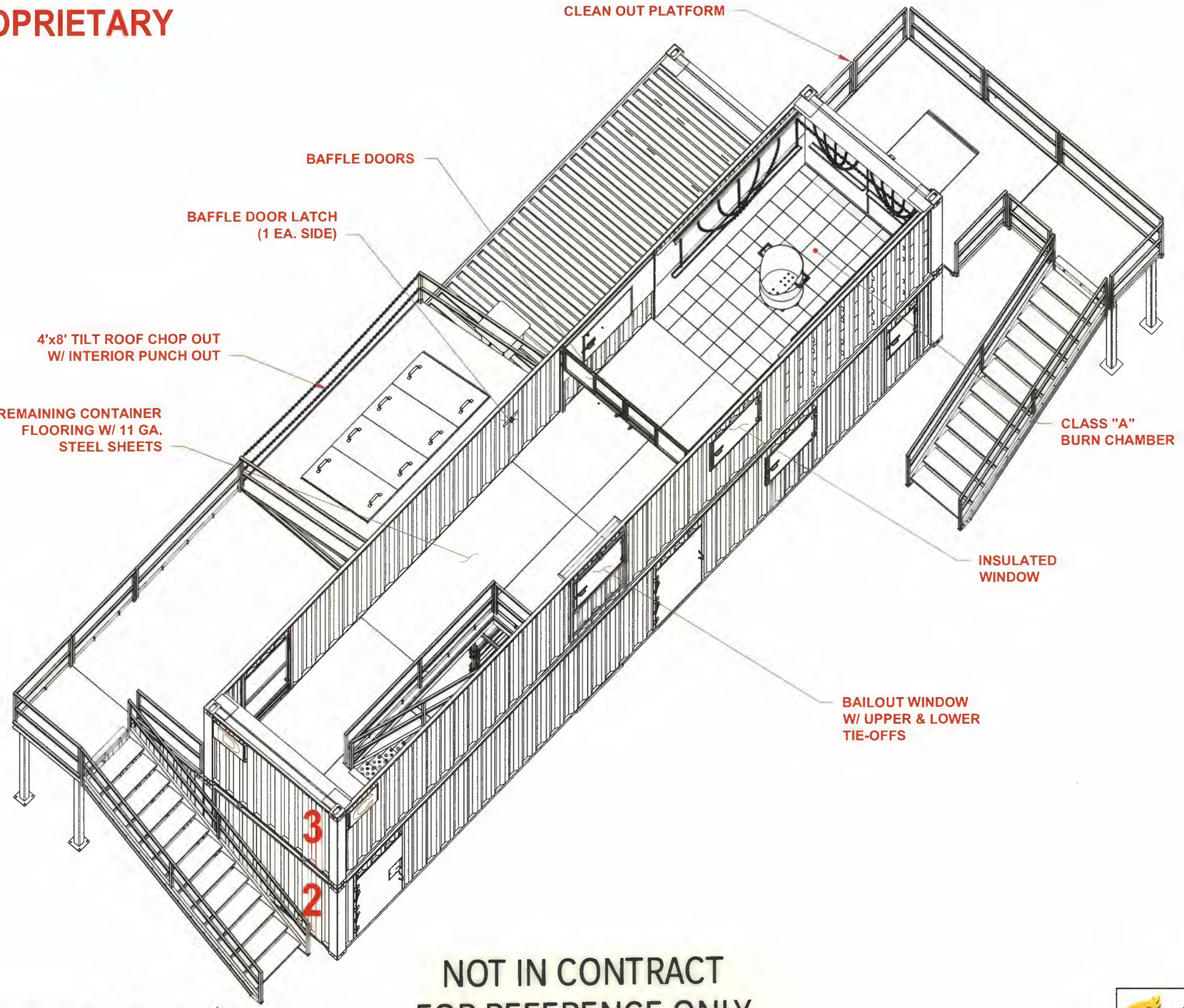
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



2ND FLOOR CUTAWAY

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: 2ND FLOOR CUTAWAY

DWG NO.: SH 13 OF 17

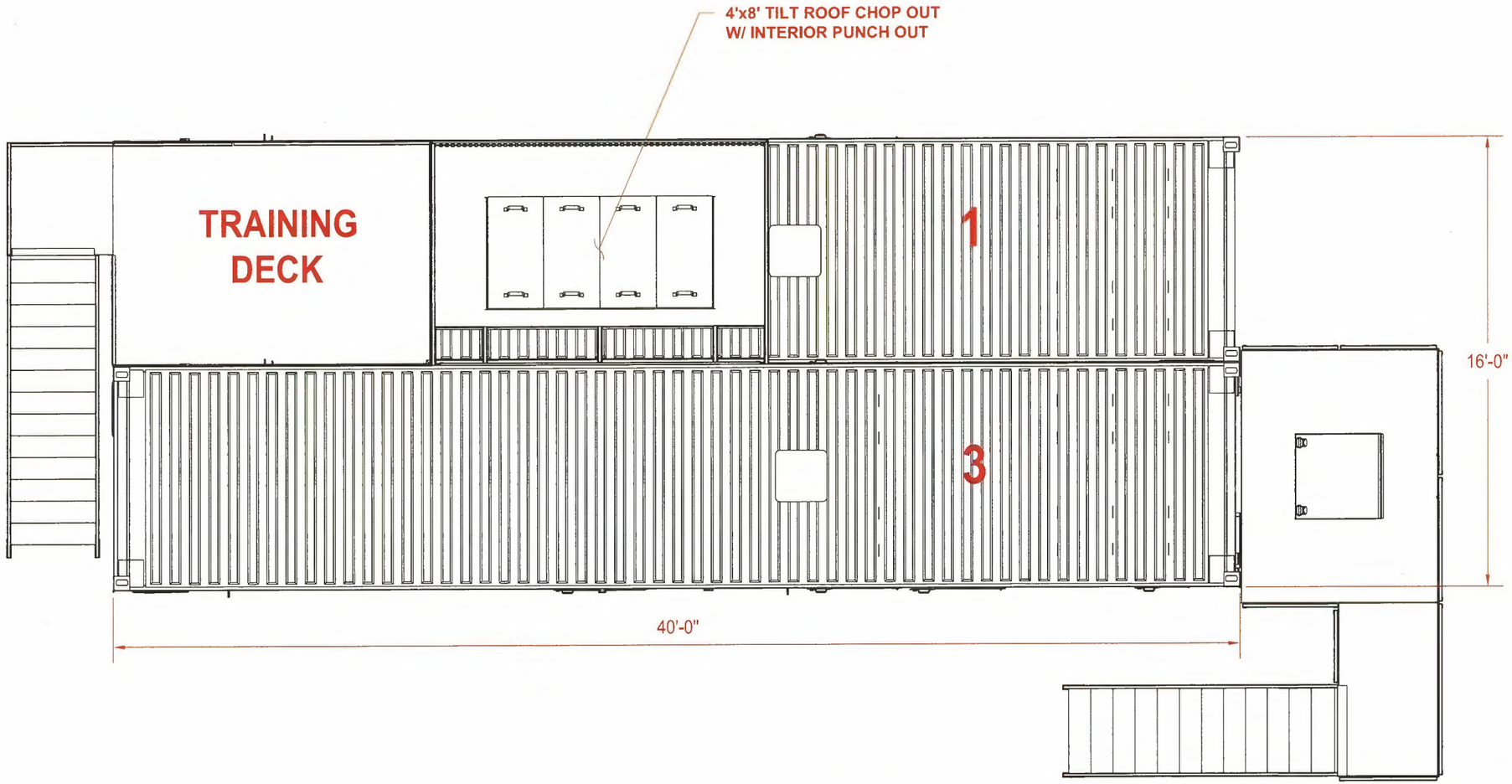
Swede Survival Systems

DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV: A

PO#: 4302356297

PROPRIETARY



TOP VIEW

NOT IN CONTRACT
FOR REFERENCE ONLY

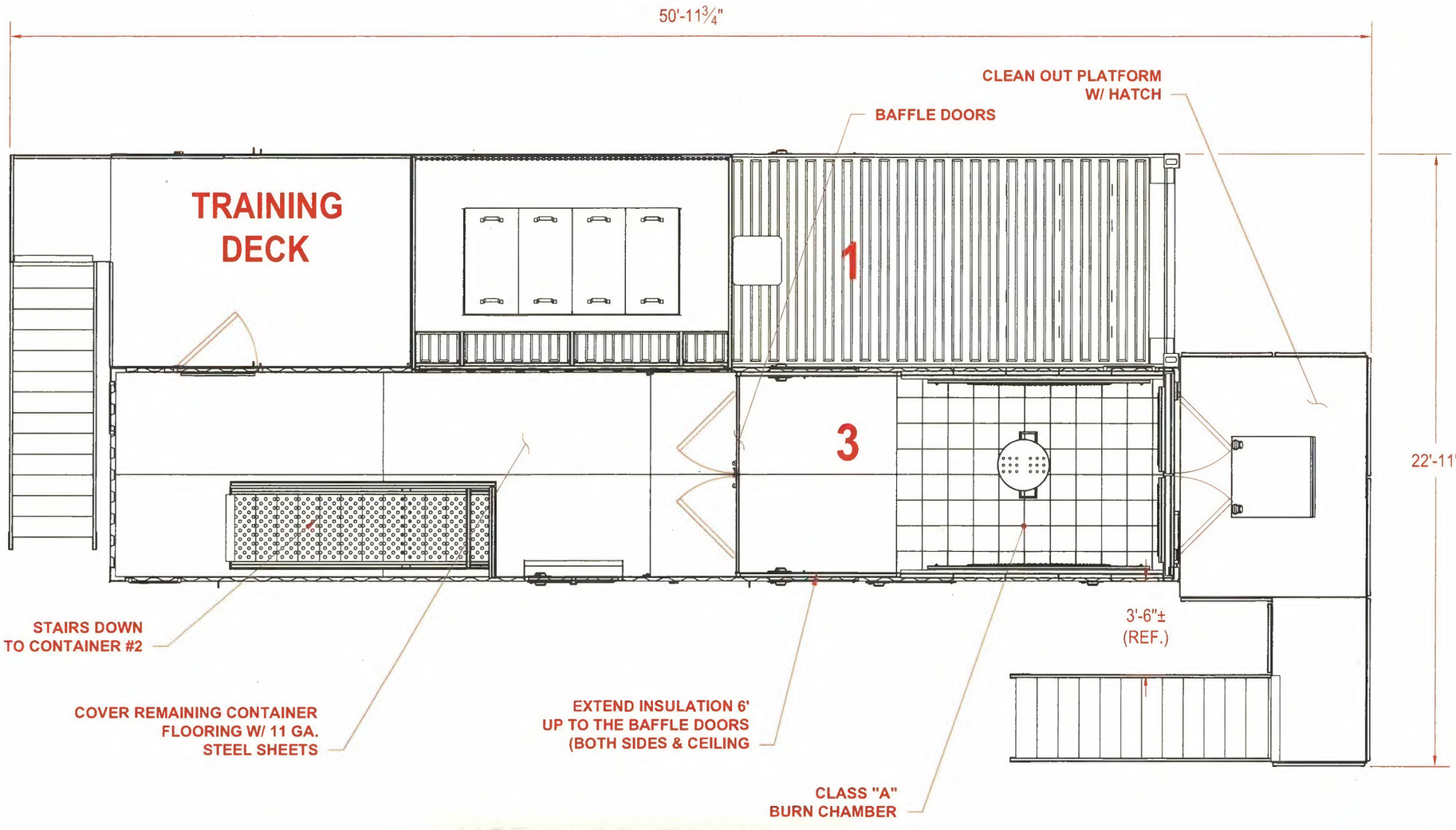
REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT	PHASE II MODIFIED
CUSTOMER	ERIE COUNTY FIRE ACADEMY
TITLE	TOP VIEW
DWG NO.	SH 14 OF 17
DATE APR 20, 2021	SCALE NTS
DWN BY JIM H.	REV. A
PO#	4302356297

Swede Survival Systems

PROPRIETARY



NOT IN CONTRACT
FOR REFERENCE ONLY

SECOND FLOOR

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: SECOND FLOOR

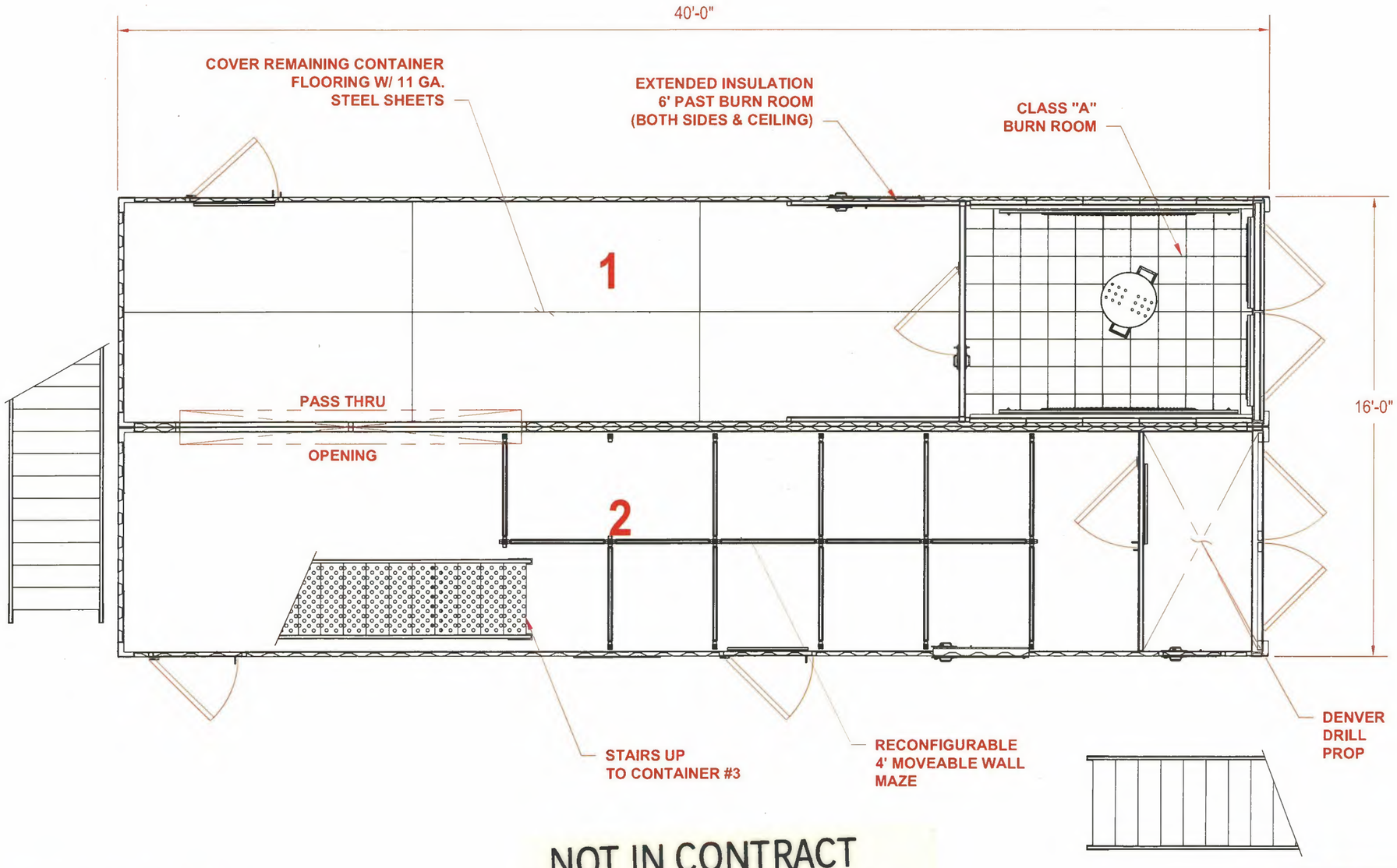
DWG NO.: SH 15 OF 17

Swede Survival Systems

DATE	SCALE
APR 20, 2021	NTS
DWN BY: JIM H.	REV.: A

PO#: 4302356297

PROPRIETARY



FIRST FLOOR

NOT IN CONTRACT
FOR REFERENCE ONLY

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT: PHASE II MODIFIED

CUSTOMER: ERIE COUNTY FIRE ACADEMY

TITLE: FIRST FLOOR

DWG NO.: SH 16 OF 17

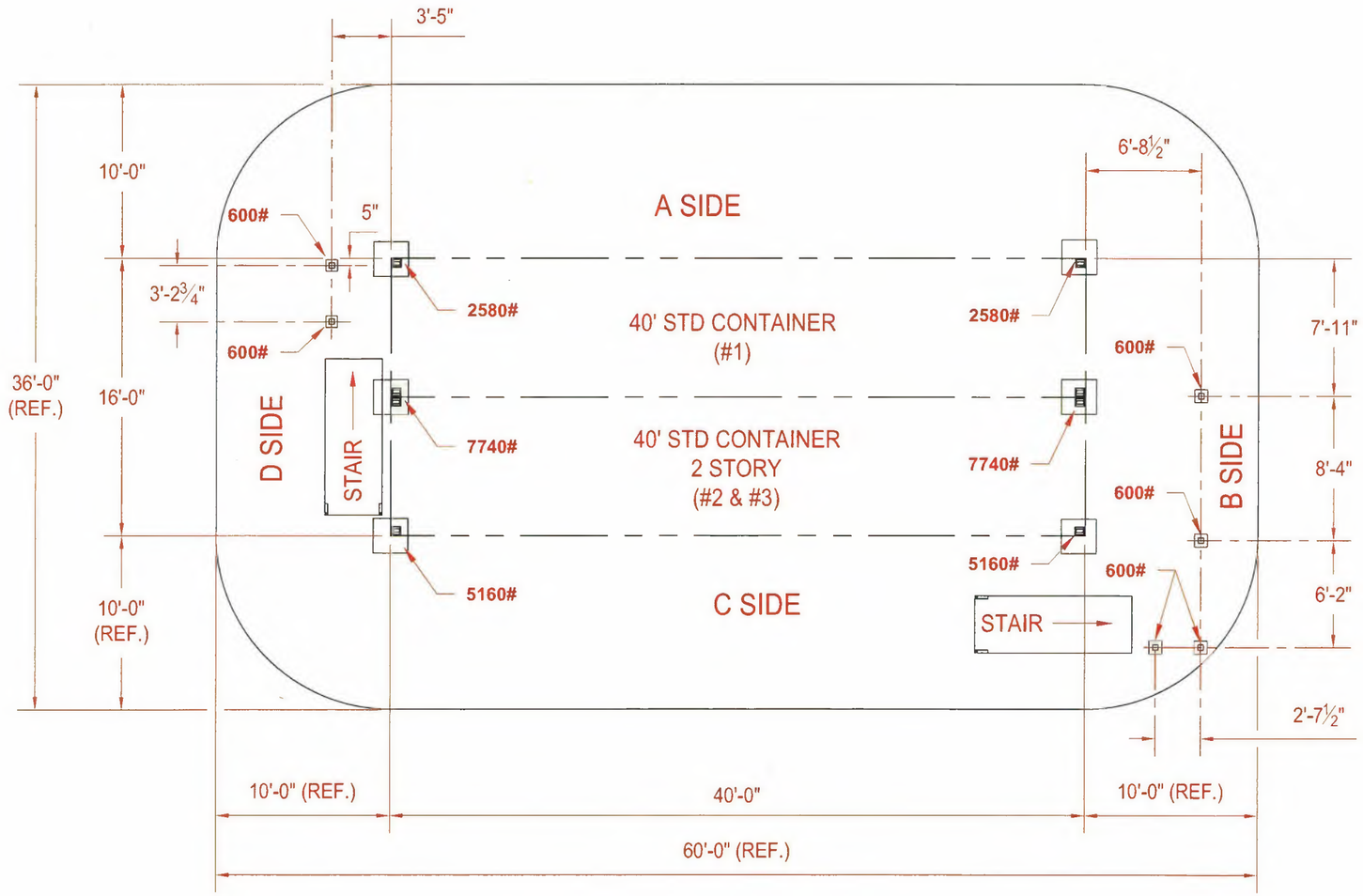
DATE: APR 20, 2021 | SCALE: NTS

DWN BY: JIM H. | REV.: A

PO#: 4302356297

Swede Survival Systems

PROPRIETARY



POINT LOAD LAYOUT

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FOR REFERENCE ONLY

GENERAL NOTES

1. THE POINT LOADS SHOWN ARE BASED ON CONTAINER TARE WEIGHTS WITH ALLOWANCES MADE FOR ANCILLARY STRUCTURES. NO WIND LOADS OR SOIL ANALYSIS WERE TAKEN INTO CONSIDERATION FOR THESE LOADS.
2. THE EXACT LOCATION OF THE CONTAINERS ON THE PADS / SLAB TO BE AS PER THE DESIGN OF THE FOUNDATION. VERIFY DIMENSIONS.
3. PADS MUST BE TRUE LEVEL.

REV.#	DATE	DESCRIPTION
A	04/20/21	ISSUED FOR APPROVAL

Dräger

PRODUCT	PHASE II MODIFIED
CUSTOMER	ERIE COUNTY FIRE ACADEMY
TITLE	POINT LOAD LAYOUT
DWG NO.	SH 17 OF 17
DATE	APR 20, 2021
SCALE	NTS
DWN BY	JIM H.
REV.	A
PO#	4302356297

Swede Survival Systems