

GENERAL NOTES

1. THE USED BUILDING CODES:

- A. ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS"
- B. AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS"
- C. AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" LATEST
- D. "STRUCTURAL WELDING CODE-STEEL" ANSI/AWS D1.1, BY THE AMERICAN WELDINGSOCIETY
- E. "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318
- F. AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM), RELEVANT DOCUMENTS.
- G. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES WHICH MAY EXIST.

3. ALL FOOTINGS ARE TO BE PLACED ON FIRM AND CLEAN SOIL. THE SOIL BEARING SHOULD BE VERIFIED AT THE FOOTINGS BY AN ACCEPTED TESTING METHOD. THE SOIL BEARING PRESSURE SHOULD BE REPORTED TO THE ENGINEER.

4. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND THE LOCATION OF DEPRESSED FLOOR AREAS. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

5. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. THE GENERAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE REQUIRED OPENINGS AS HE SHALL PROVIDE FOR ALL OPENINGS WHETHER SHOWN ON THE DRAWINGS OR NOT AND SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL CONTRACTOR. ANY DEVIATION FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL.

6. FOOTINGS STRIP/PADS SHALL BE PLACED ON FILL COMPACTED AS REQUIRED BY THE GEOTECHNICAL (SOILS) REPORT.

7. DESIGN LOADS:

GRAVITY LOADS

Loads

DL:	<div>Roof</div>	13 Psf
	<div>Ceilings</div>	13 Psf
	<div>Floor</div>	15 Psf
	<div>Partitions</div>	15 Psf

	<div>Side Wall</div>	40.5 Plf
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LL:

	<div>Roof</div>	20 Psf
	<div>Floor</div>	40 Psf

SNOW LOADS:		150 Psf
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WIND AND SEISMIC LOADS SEE CALCS REPORT

STEEL

1. STRUCTURAL STEEL ROLLED SHAPES SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:

ASTM A-992 GRADE 50 - ALL FRAMING NOTED ON DRAWINGS, BASE PLATES, MISCELLANEOUS STEEL PLATES, PLATES UP TO AND INCLUDING 4" THICK, AND ALL SHAPES UNLESS NOTED OTHERWISE.

ASTM A-572 GRADE 50 - ALL RHS, SHS

ASTM A-36 FRAMING NOTED ON DRAWINGS, BASE PLATES, AND MISCELLANEOUS STEEL PLATES.

ASTM A325 HIGH STRENGTH BOLTS (SLIP CRITICAL JOINTS, IF SPECIFIED).

ASTM A307 CARBON STEEL BOLTS (60 KSI TENSILE STRENGTH). ALL OTHER ANCHOR BOLTS UNLESS NOTED OTHERWISE.

ASTM A501 HOT FORMED SEAMLESS AND WELDED CARBON STEEL STRUCTURAL TUBING.

ASTM A500 COLD FORMED SEAMLESS AND WELDED CARBON STEEL STRUCTURAL TUBING.

ASTM F436 HARDENED STEEL WASHERS.

2. GROUT USED UNDER COLUMN BASE PLATES SHOULD BE OF THE NON-SHRINKABLE VARIETY WITH MINIMUM COMPRESSIVE STRENGTH OF 6000PSI IN 28 DAYS.

3. ALL STRUCTURAL STEEL DETAILS AND CONNECTIONS SHALL CONFORM TO THE STANDARDS OF THE NBCC.

4. FOR ALL HIGH STRENGTH BOLTS, HARDENED WASHERS SHALL BE PROVIDED UNDER THE TURNING ELEMENT OF BOLT FOR TORQUING AS REQUIRED.

5. ALL WELDING SHALL CONFORM TO THE STANDARD OF THE AMERICAN WELDING SOCIETY.

6. ALL FILLET WELDS UNLESS NOTED OTHERWISE ON DRAWINGS

7. ELECTRODES FOR ALL FIELD AND SHOP WELDING SHALL CONFORM TO ANSI/AWS D1.1-97. ALL WELDS NOT SHOWN SHALL BE AWS MINIMUM.

8. ALL BEAMS AND GIRDERS SHALL BE CAMBERED AS INDICATED ON STRUCTURAL DRAWINGS.

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Project:

SHIPPING  
CONTAINER  
HOME  
SINGLE 3st

Vicinity map:

Seal:

Issued for:

No.	Date	Description
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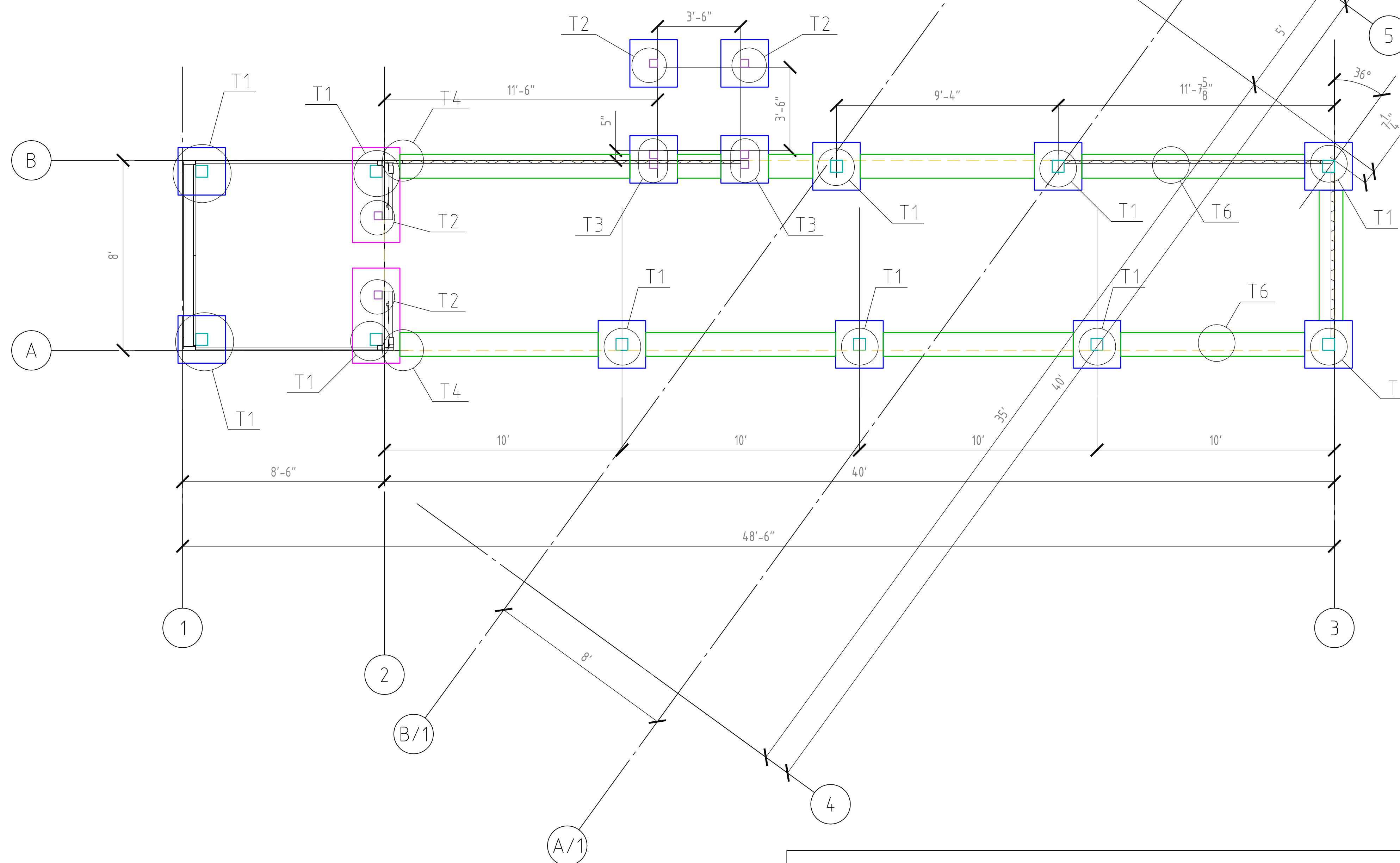
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GENERAL NOTES

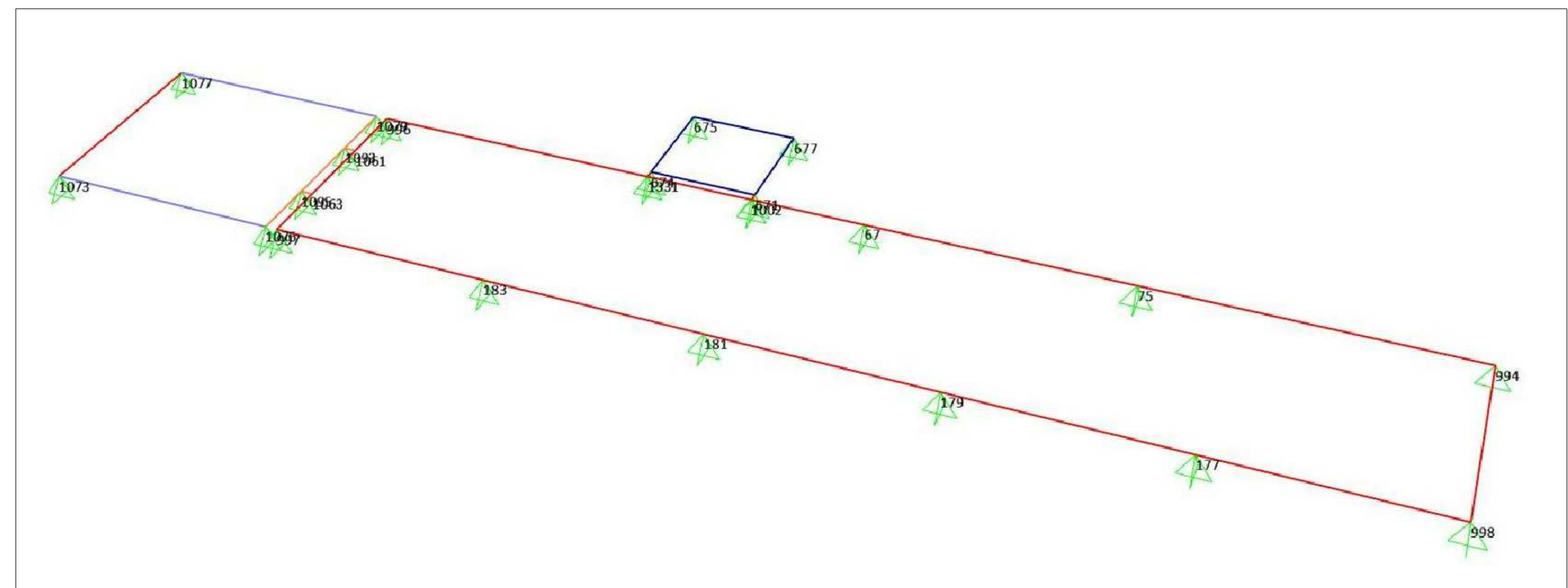
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## CIVIL LAYOUT



## JOINTS NUMBERS



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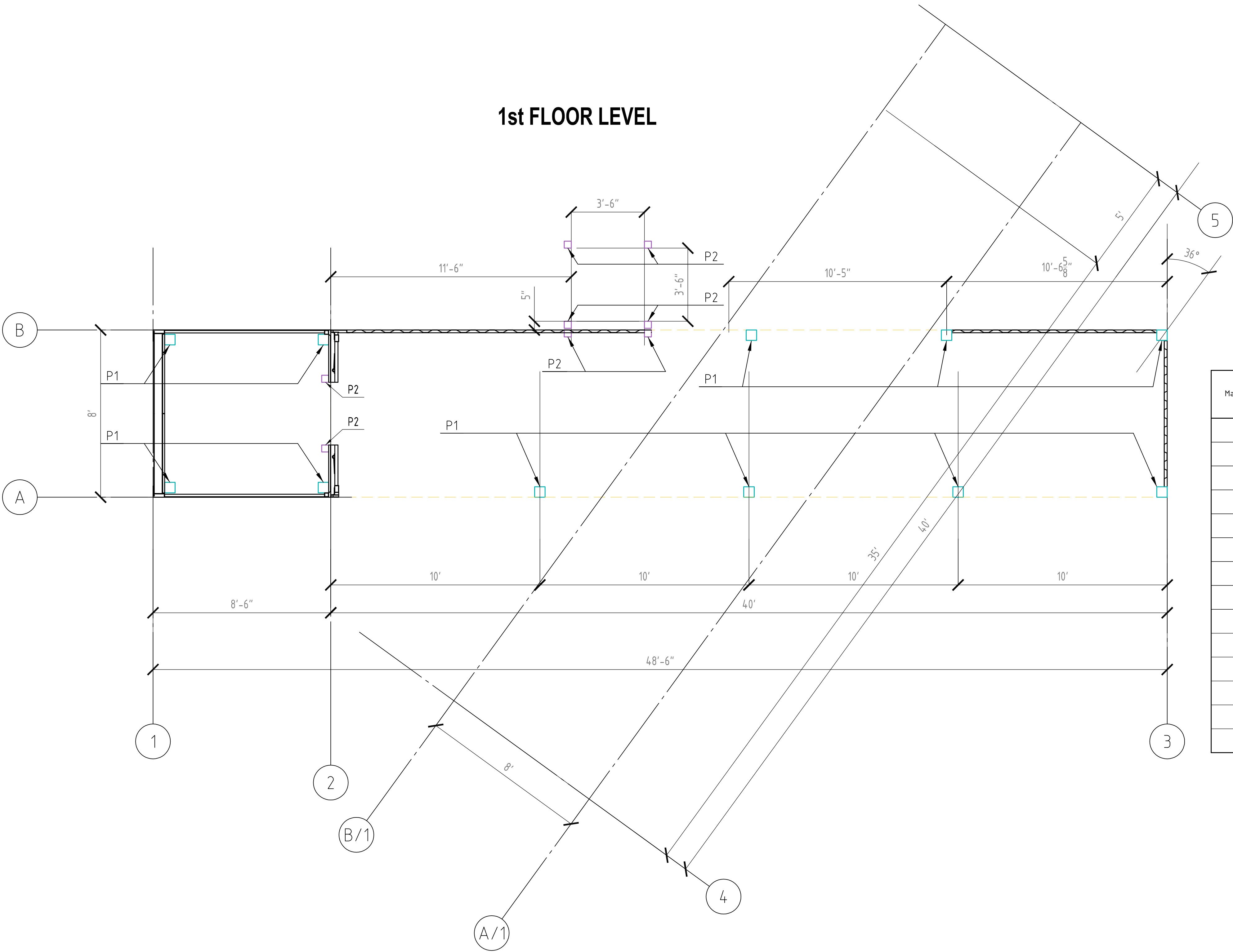
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### CIVIL LAYOUT

002

1st FLOOR LEVEL



List of sections

Mark	Section			Steel grade
	Sketch	Nº	Nomination	
P1			Square tube 6x6x5/16	A572Gr50
P2			Square tube 4x4x3/8	A572Gr50
WB1			W14x26	A992Fy50
WB2			W8x10	A992Fy50
WB3			W18x35	A992Fy50
WB4			W16x26	A992Fy50
WB5			W12x19	A992Fy50
WB6			W12x14	A992Fy50
C1			C4x5.4	A992Fy50
C2			C6x8.2	A992Fy50
C3			C8x11.5	A992Fy50
C4			C10x20	A992Fy50

Project:

SHIPPING  
CONTAINER  
HOME  
SINGLE 3st

Vicinity map:

Seal:

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No.	Date	Description

Scale: 1/4" = 1'

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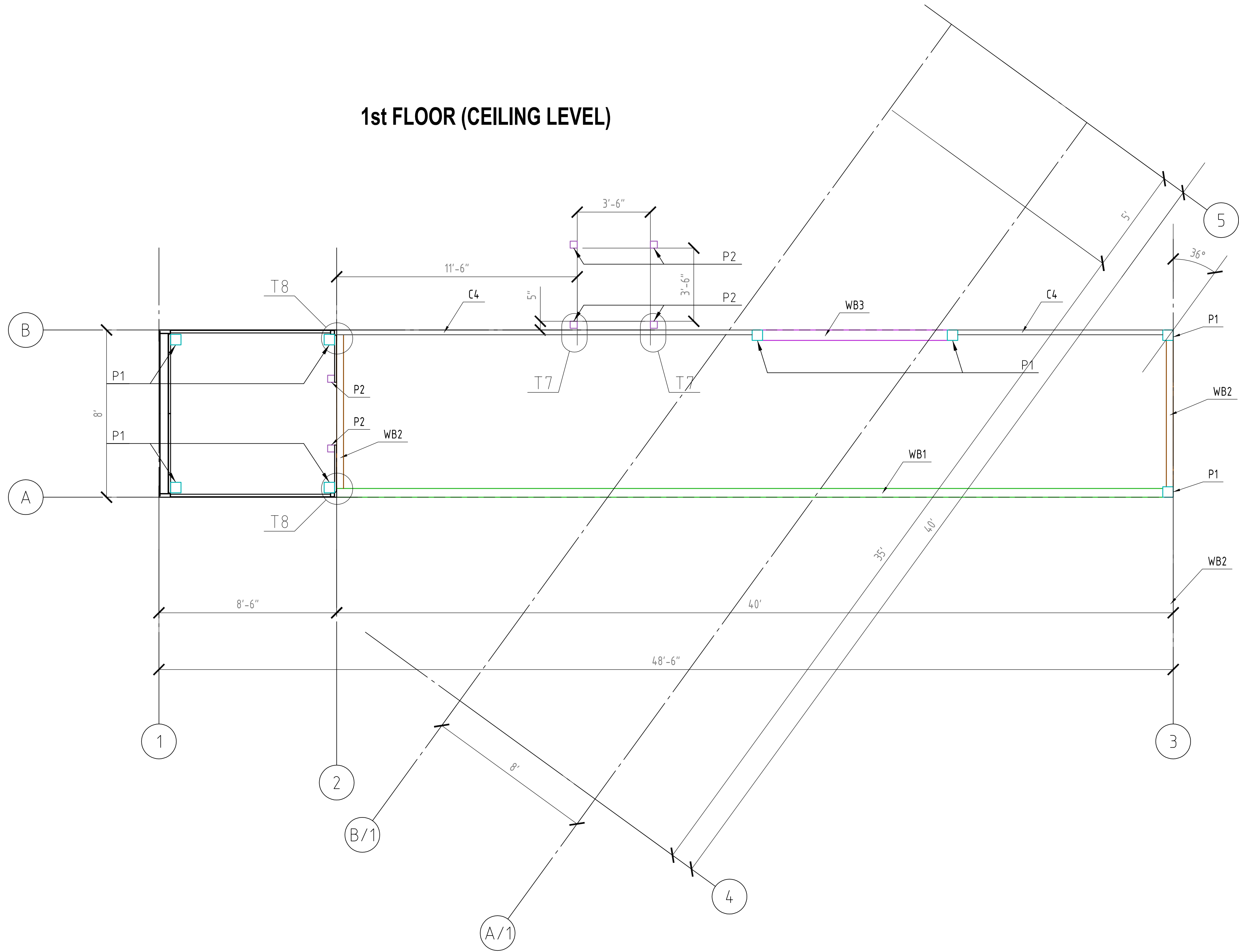
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1st FLOOR LEVEL

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S003

1st FLOOR (CEILING LEVEL)



Project:  
SHIPPING  
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Vicinity map:

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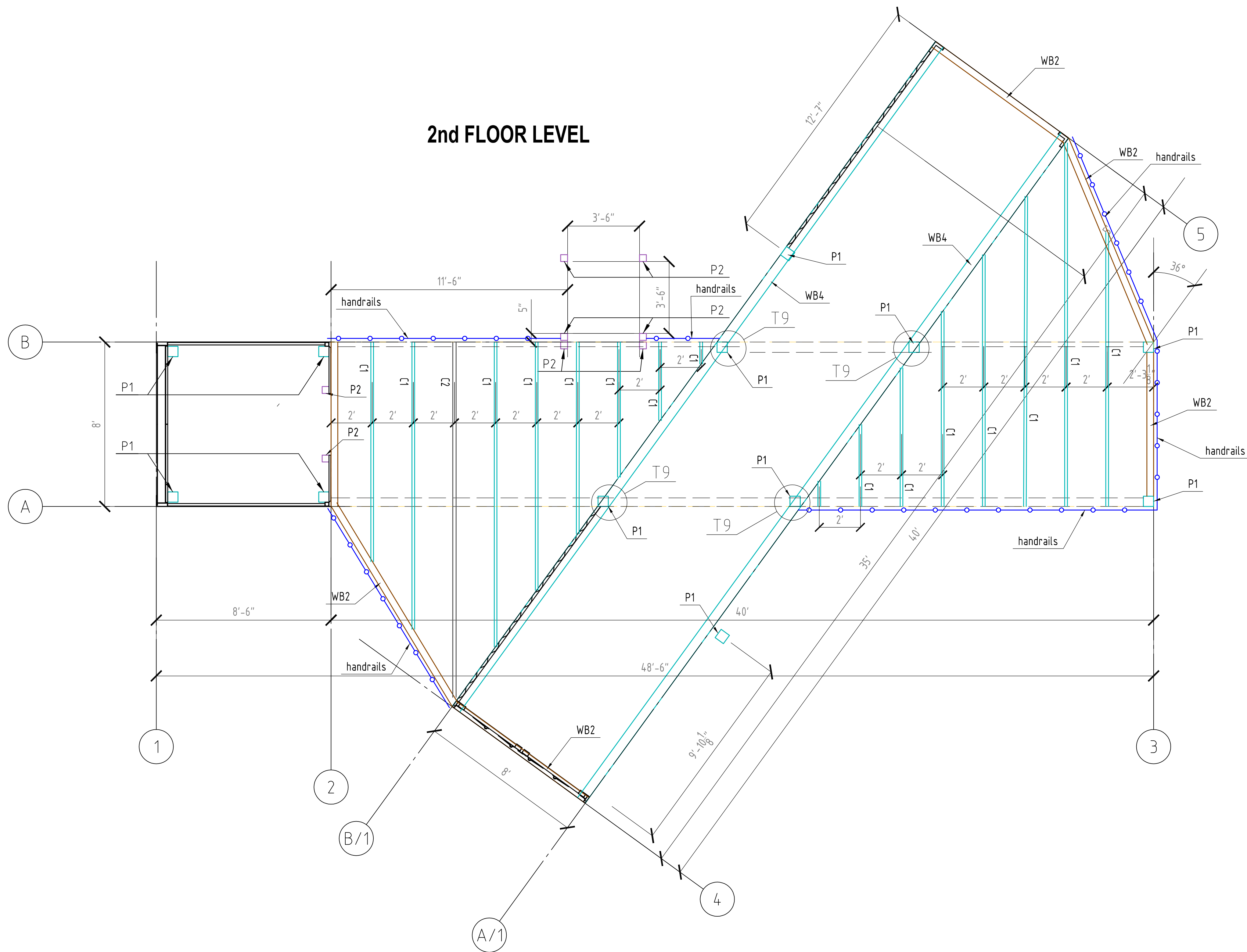
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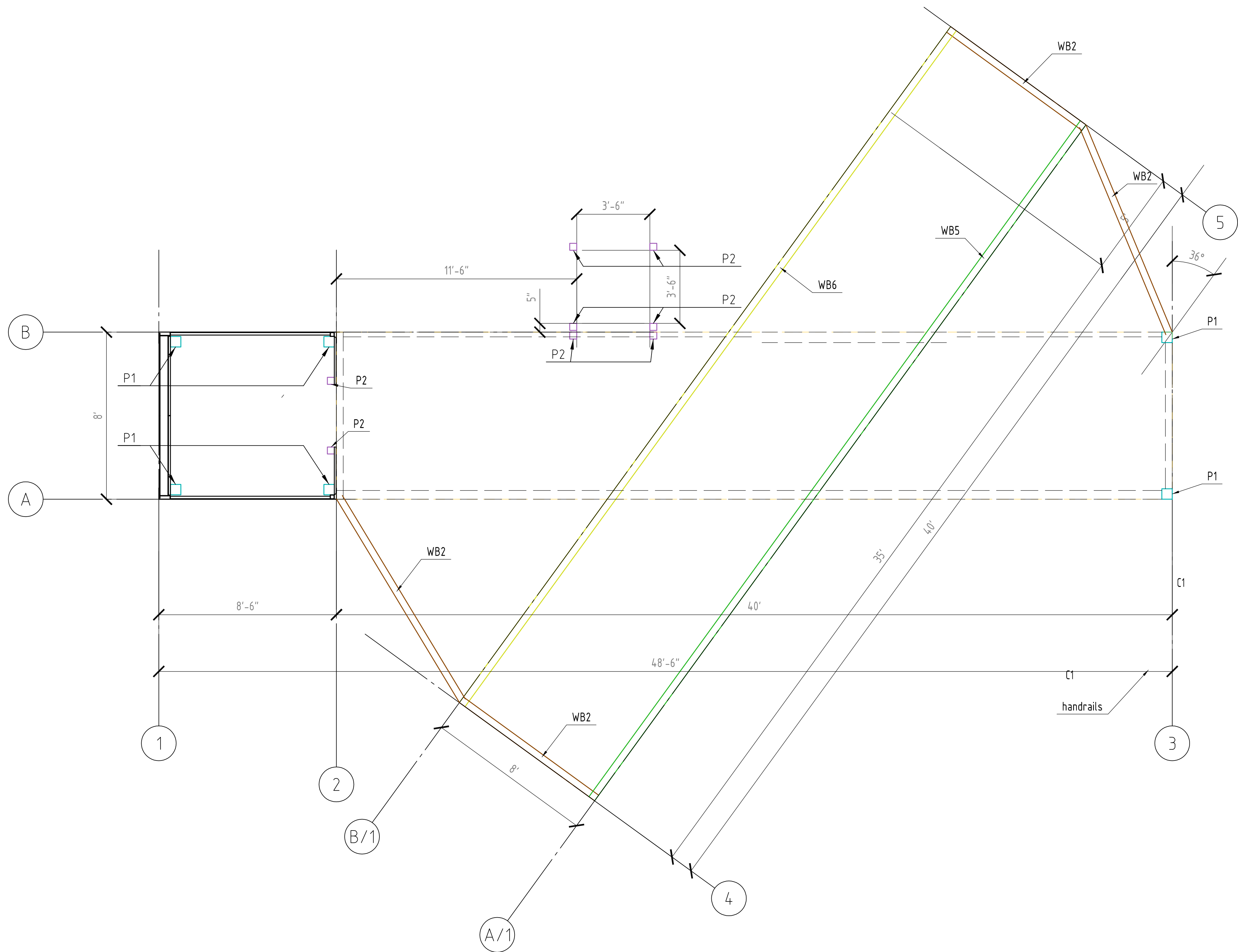
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2nd FLOOR LEVEL



2nd FLOOR (CEILING LEVEL)



Project:  
SHIPPING  
CONTAINER  
HOME  
SINGLE 3st

Vicinity map:

Seal:

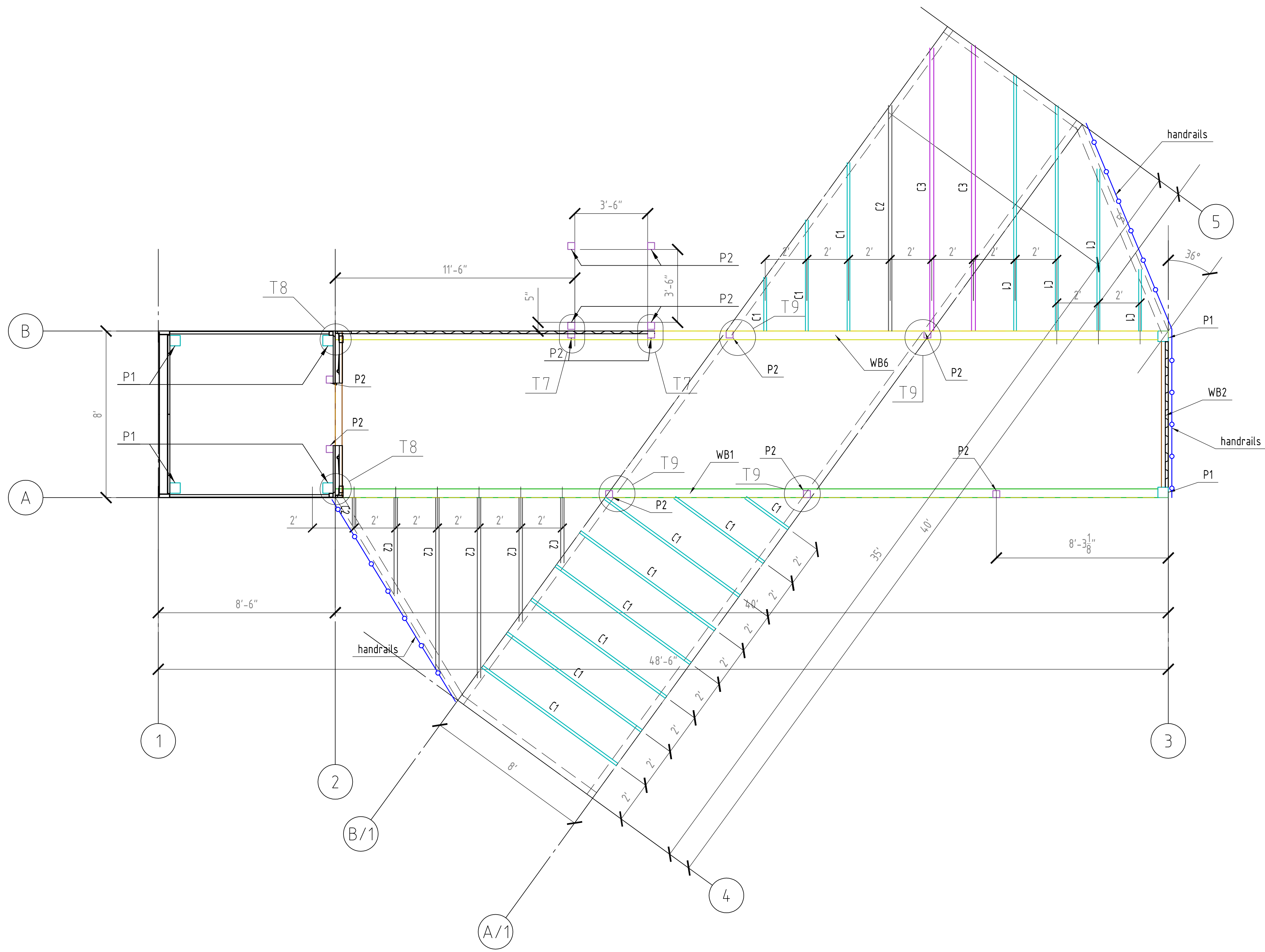
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2nd FLOOR (CEILING LEVEL)

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S006

3rd FLOOR LEVEL



Project:  
SHIPPING  
CONTAINER  
HOME  
SINGLE 3st

Vicinity map:

Seal:

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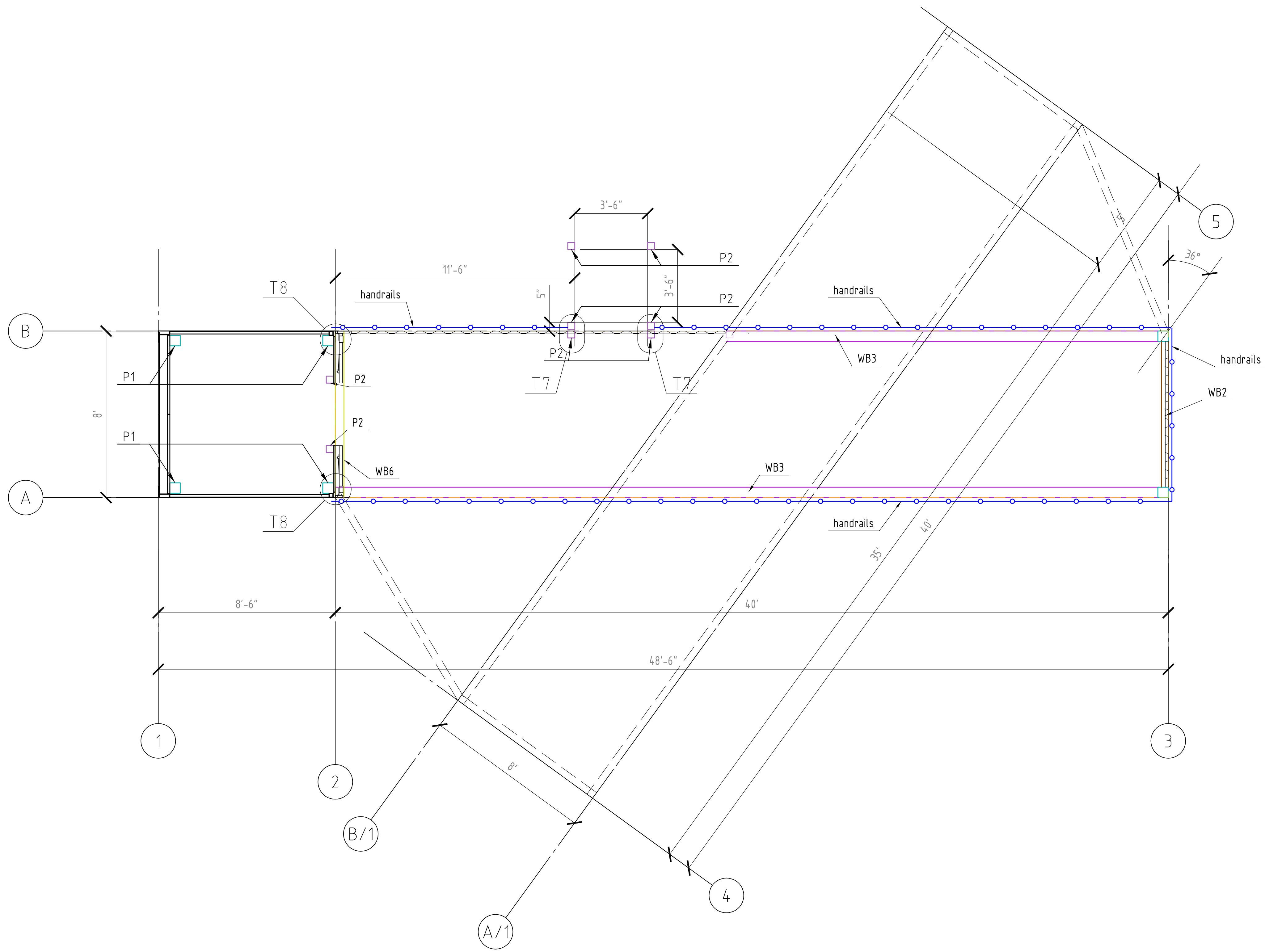
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3rd FLOOR LEVEL

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S007

3rd FLOOR (ROOF LEVEL)



Project:  
SHIPPING  
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SINGLE 3st

Vicinity map:

Seal:

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Scale: 1/4" = 1'  
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Title:  
3rd FLOOR (ROOF LEVEL)

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S008



C-channel of container

WB4

bolts 1"

t 3/4

Cutted of SHS 6x6x5/16

ceiling of container

WB1

P1

6"

A detailed cross-section diagram of a wall assembly. The exterior side (top) is labeled 'ext.' and features a '2x4"(h) 22" O/C(average)' stud wall, a 'PU sandwich facade external wall panels', and '3" spray foam insulation'. The interior side (bottom) is labeled 'int.' and shows 'drywall', 'steel studs', and 'REFLECTIX' insulation. The total thickness of the wall is indicated as '4"'. The insulation layer is labeled '3"'. The diagram uses various hatching patterns to represent different materials: diagonal lines for wood studs, cross-hatching for PU sandwich panels, and a wavy line for the spray foam insulation.

Vinyl plank flooring

Modular unit subfloor

Polyurethane spray insulation

C-channel modular unit structure

**Bathroom side**

**House side**

Gypsum board

Steel stud 2.5" @24" O.C. max.

Gypsum board, water resista

### Lift shaft connections detail

1.9" x 0.145" HSS

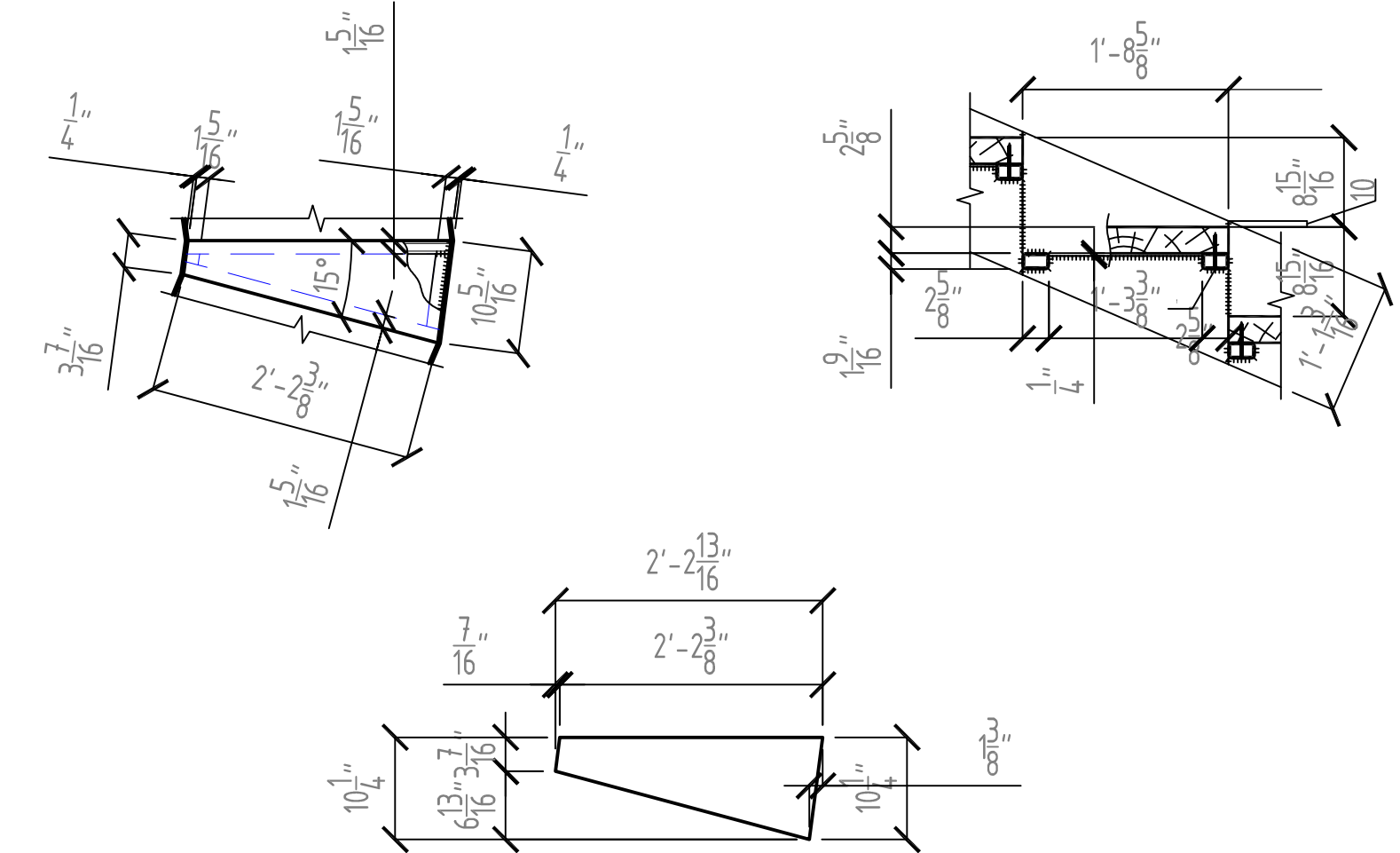
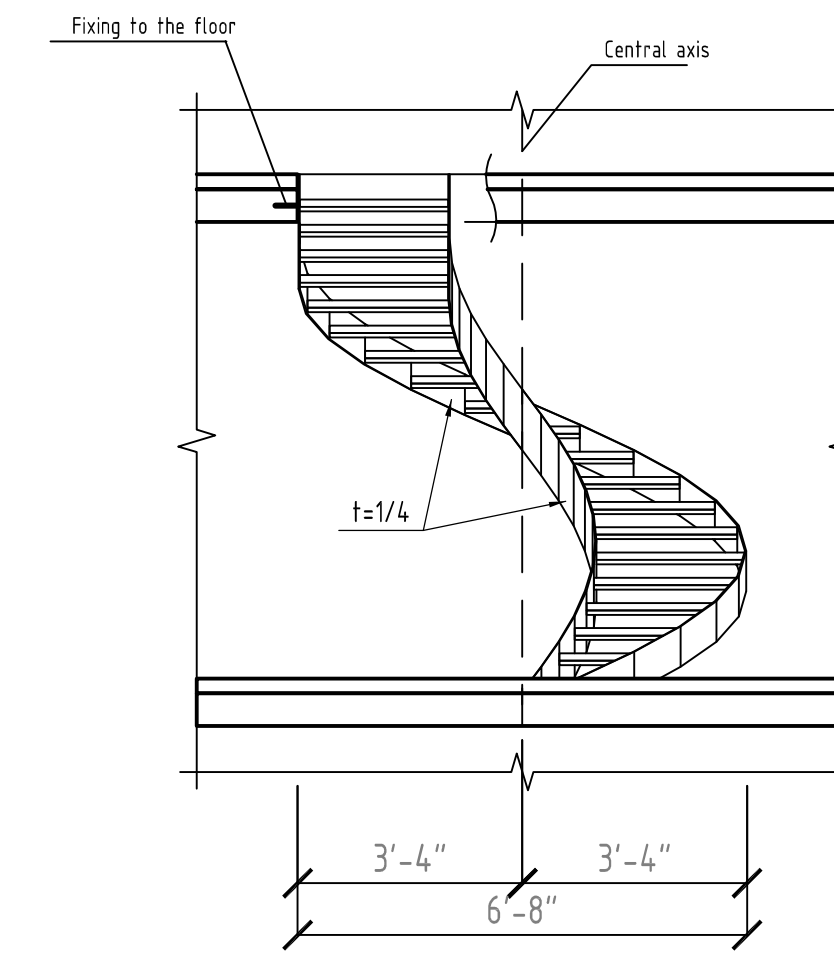
16"

16"

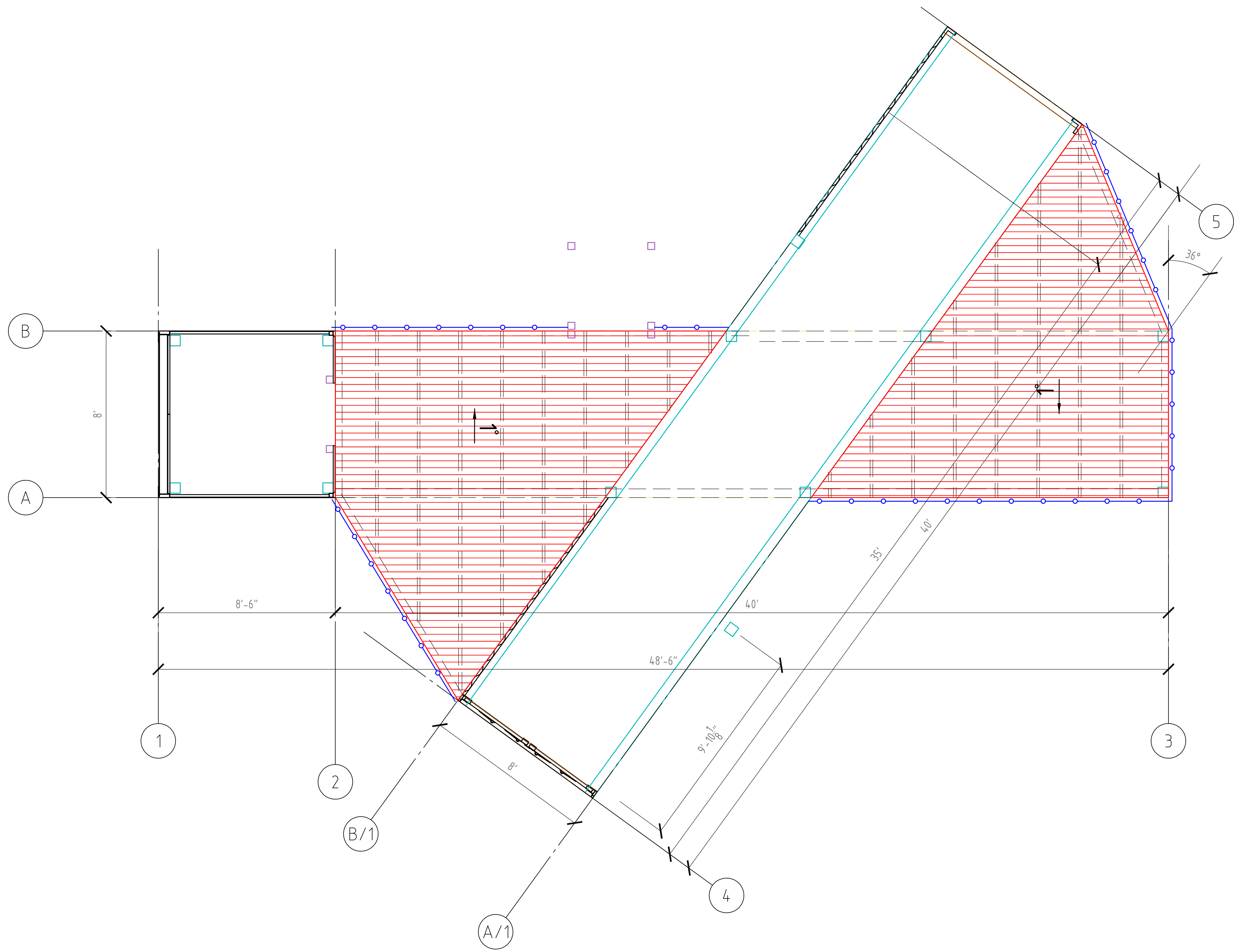
16"

4"

2" x 2" x 1/4" SHS

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2nd FLOOR LEVEL . Deck slope plan



Project:

SHIPPING  
CONTAINER  
HOME  
SINGLE 3st

Vicinity map:

Seat:

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Scale: 1/4" = 1'

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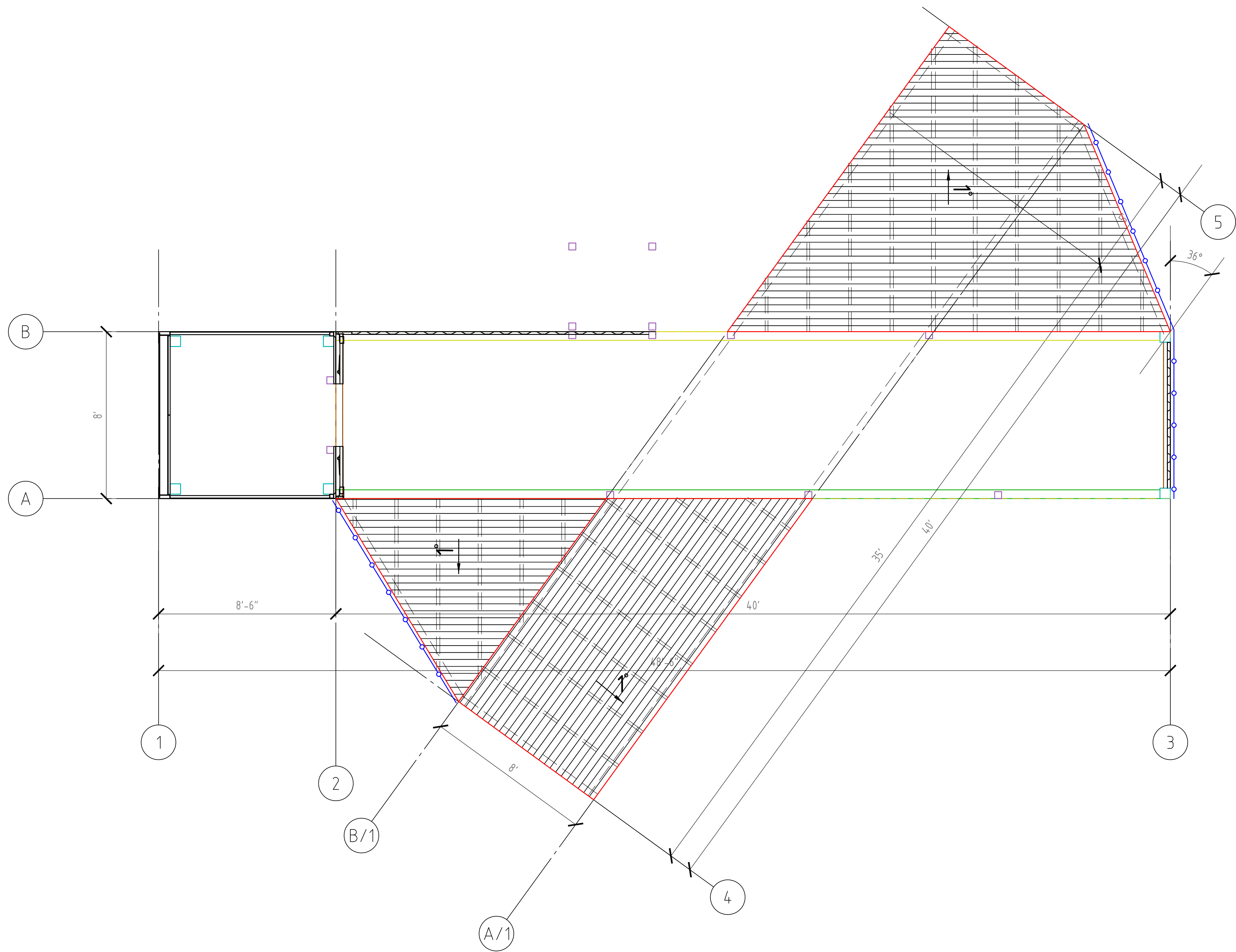
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2nd FLOOR LEVEL.  
Deck slope plan

Sheet:

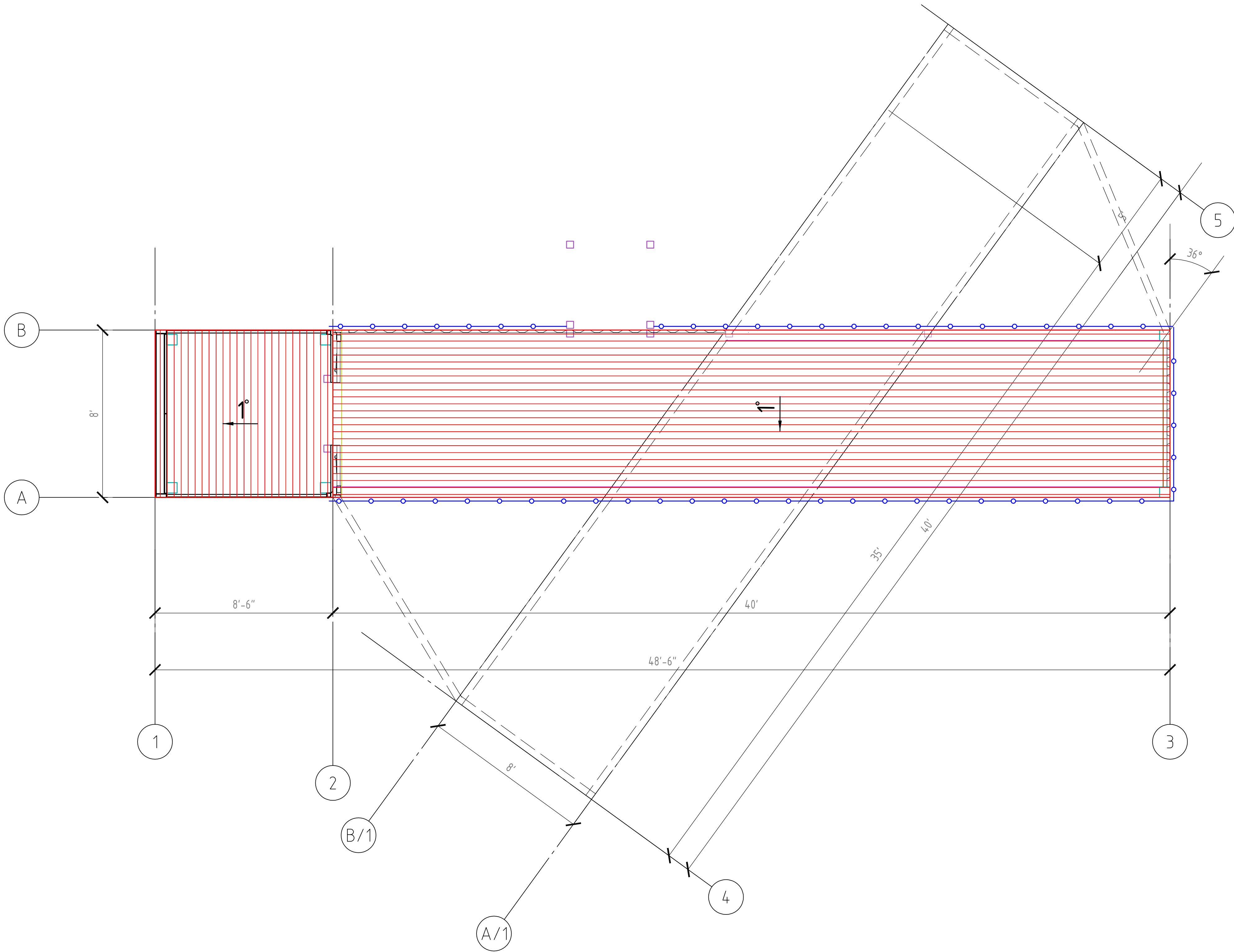
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3rd FLOOR LEVEL . Deck slope plan



Project:		
SHIPPING CONTAINER HOME SINGLE 3st		
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3rd FLOOR LEVEL. Deck slope plan		
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S011		

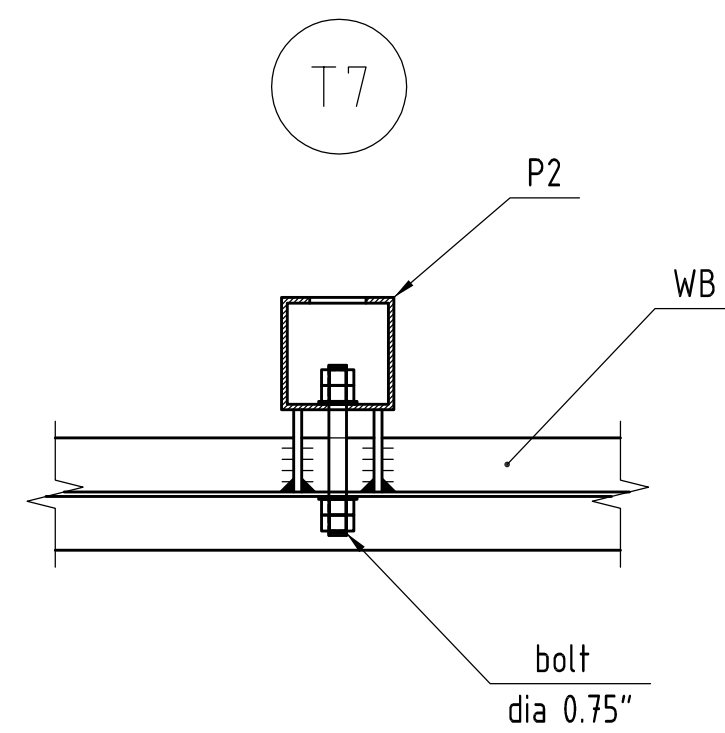
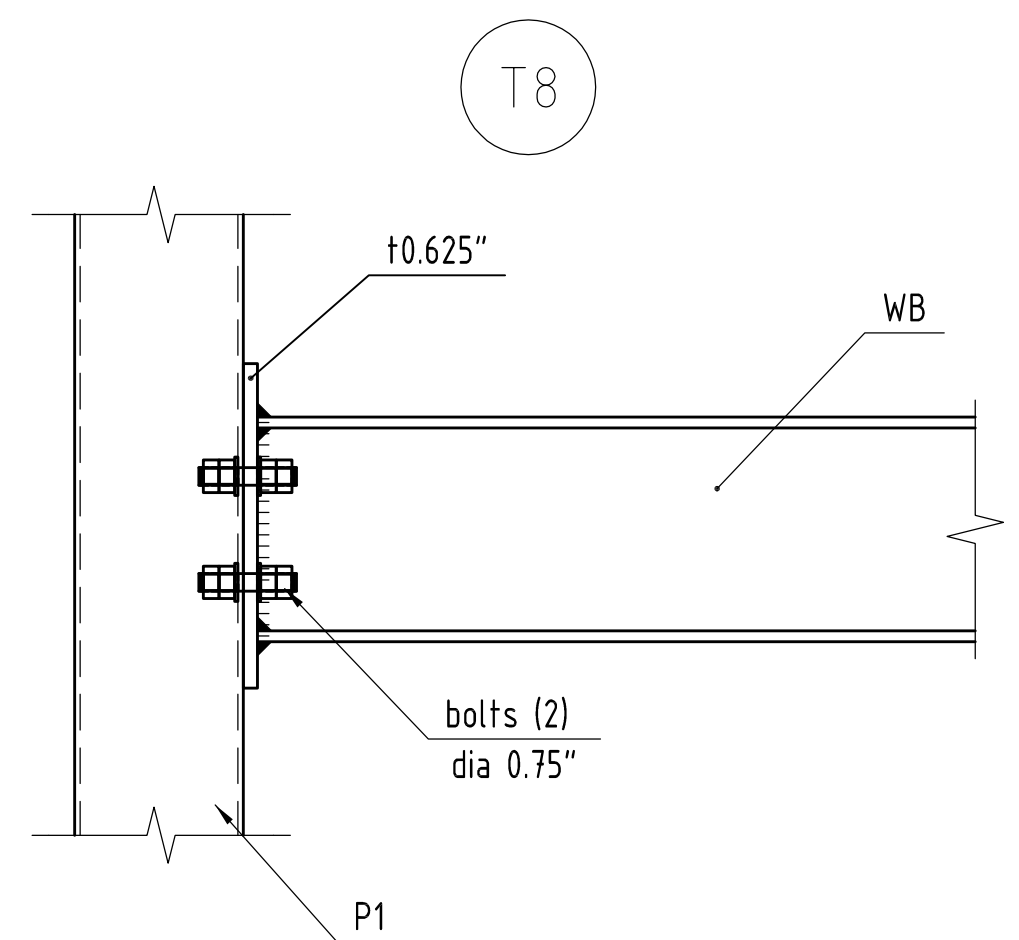
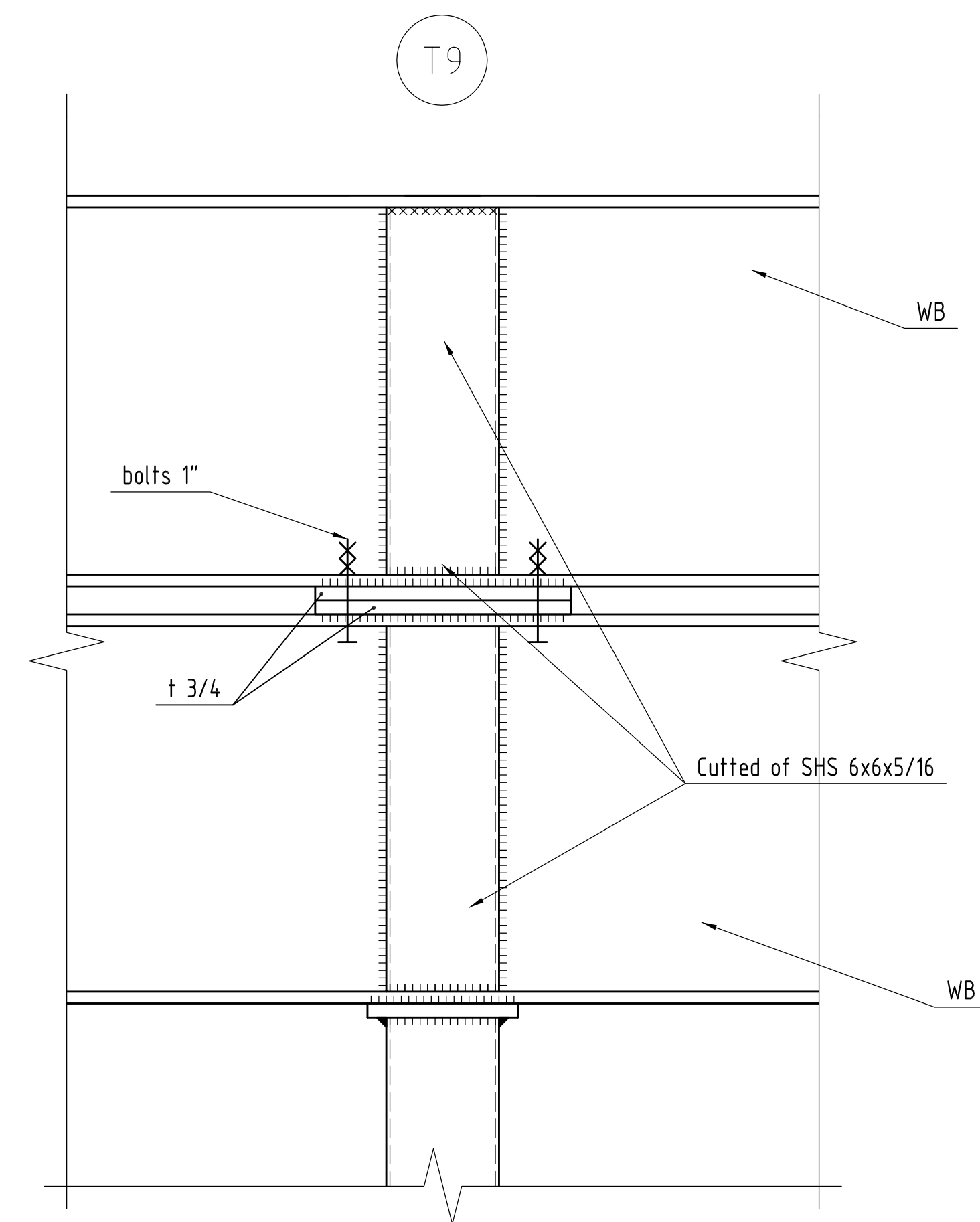
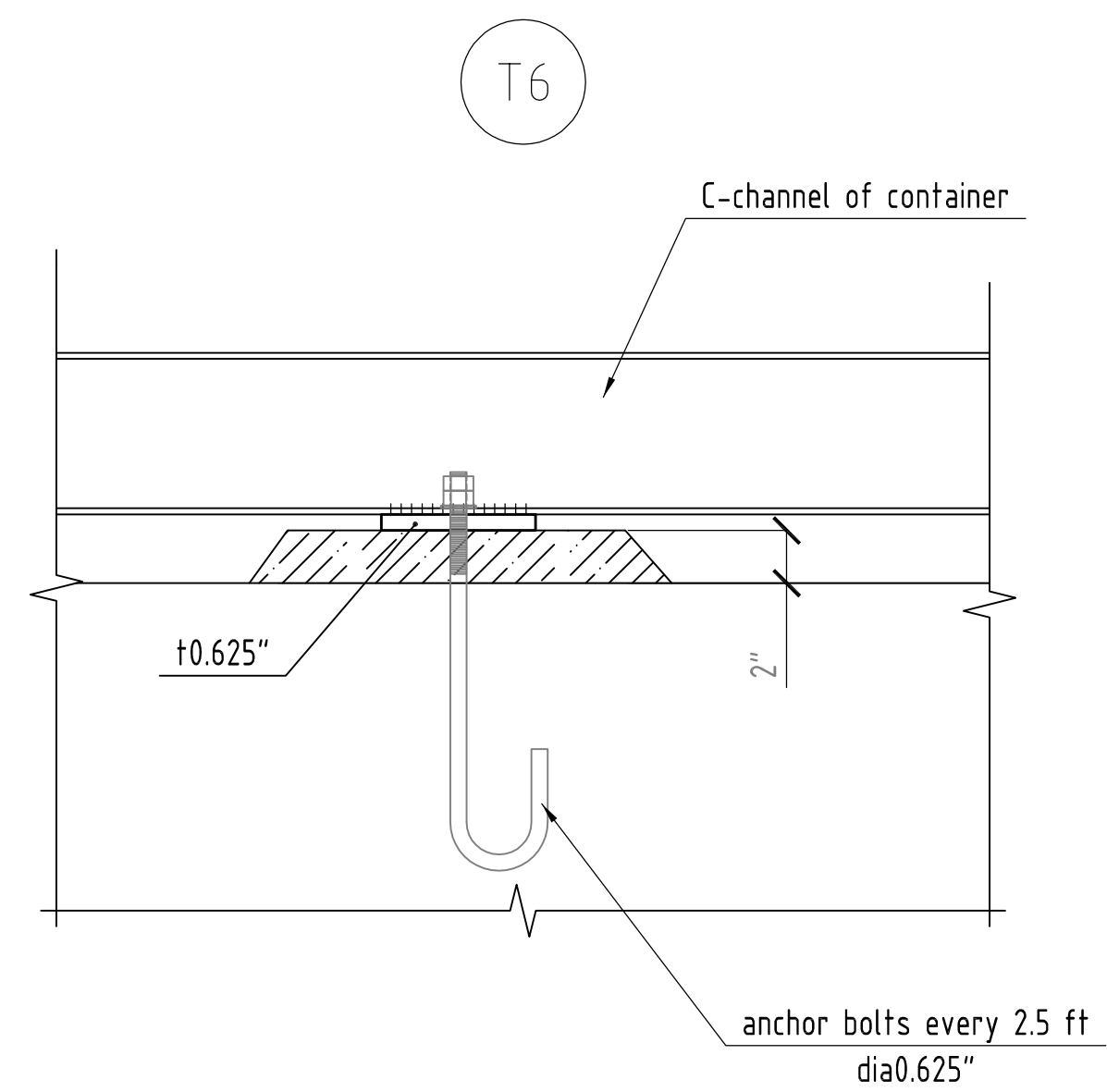
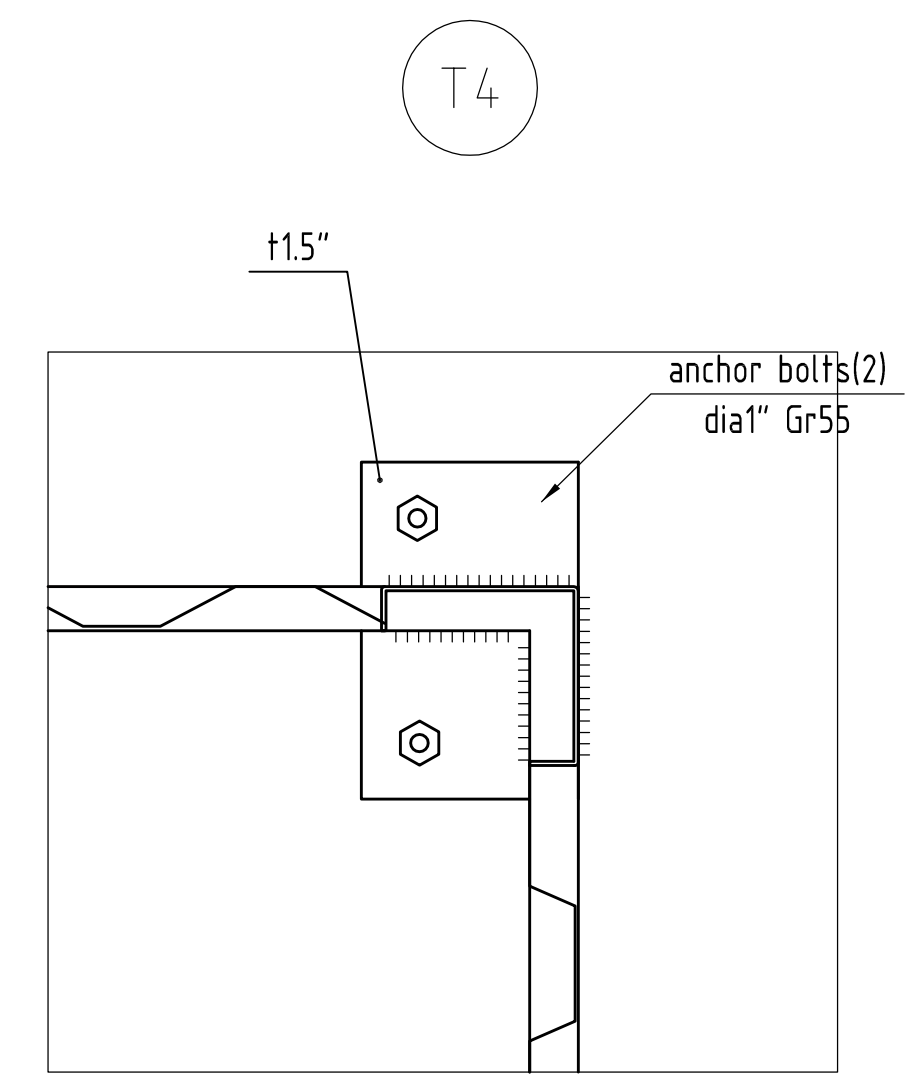
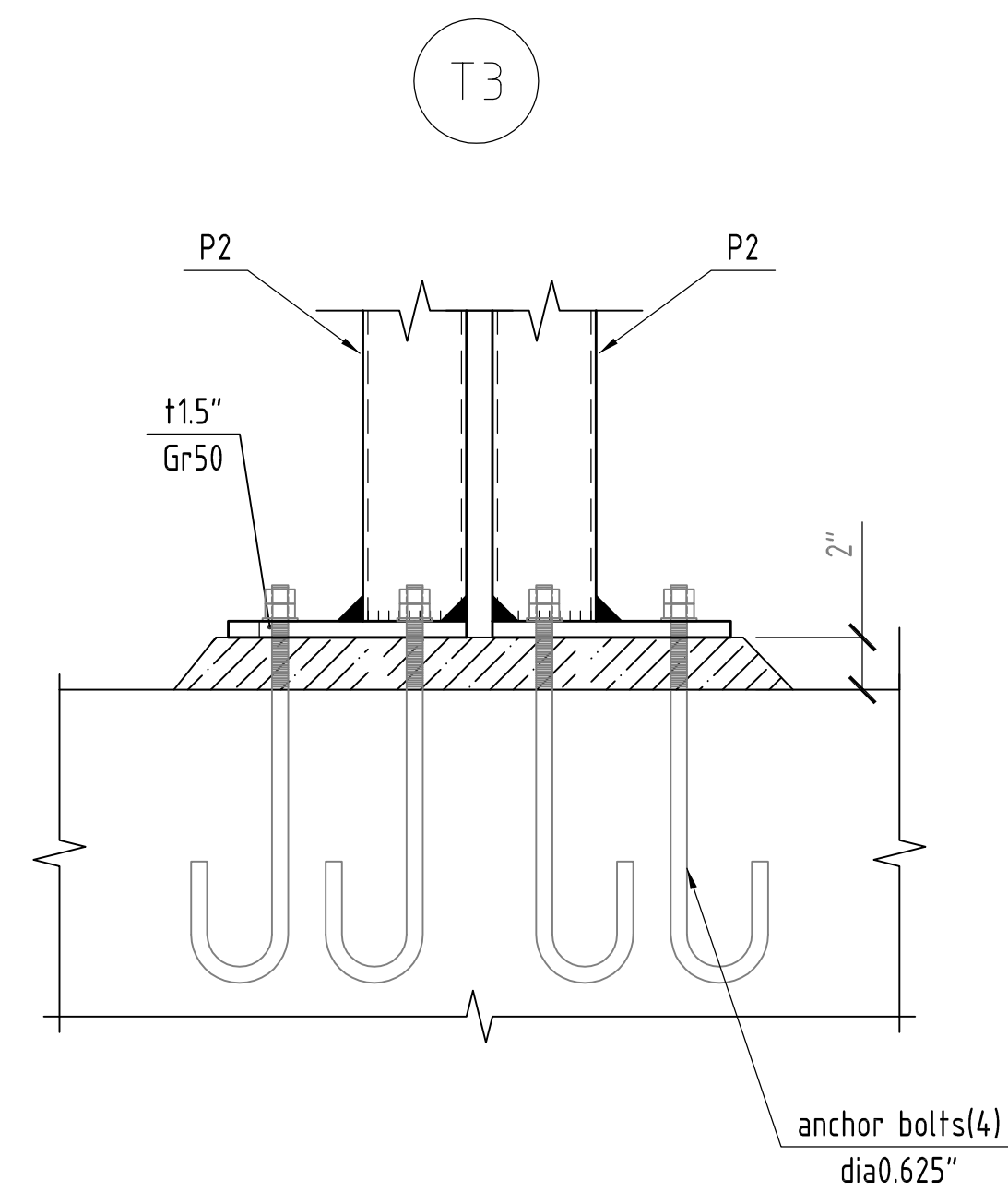
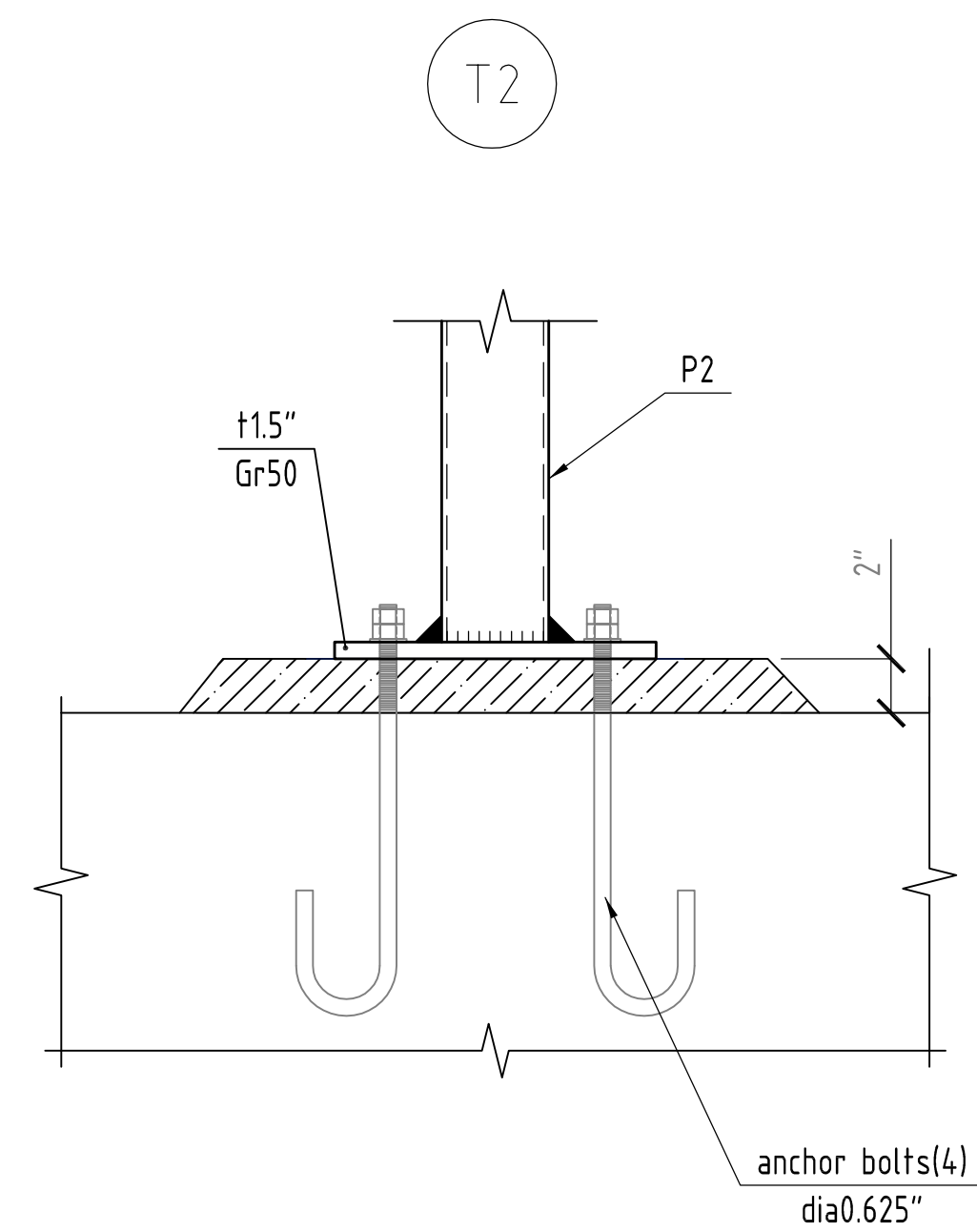
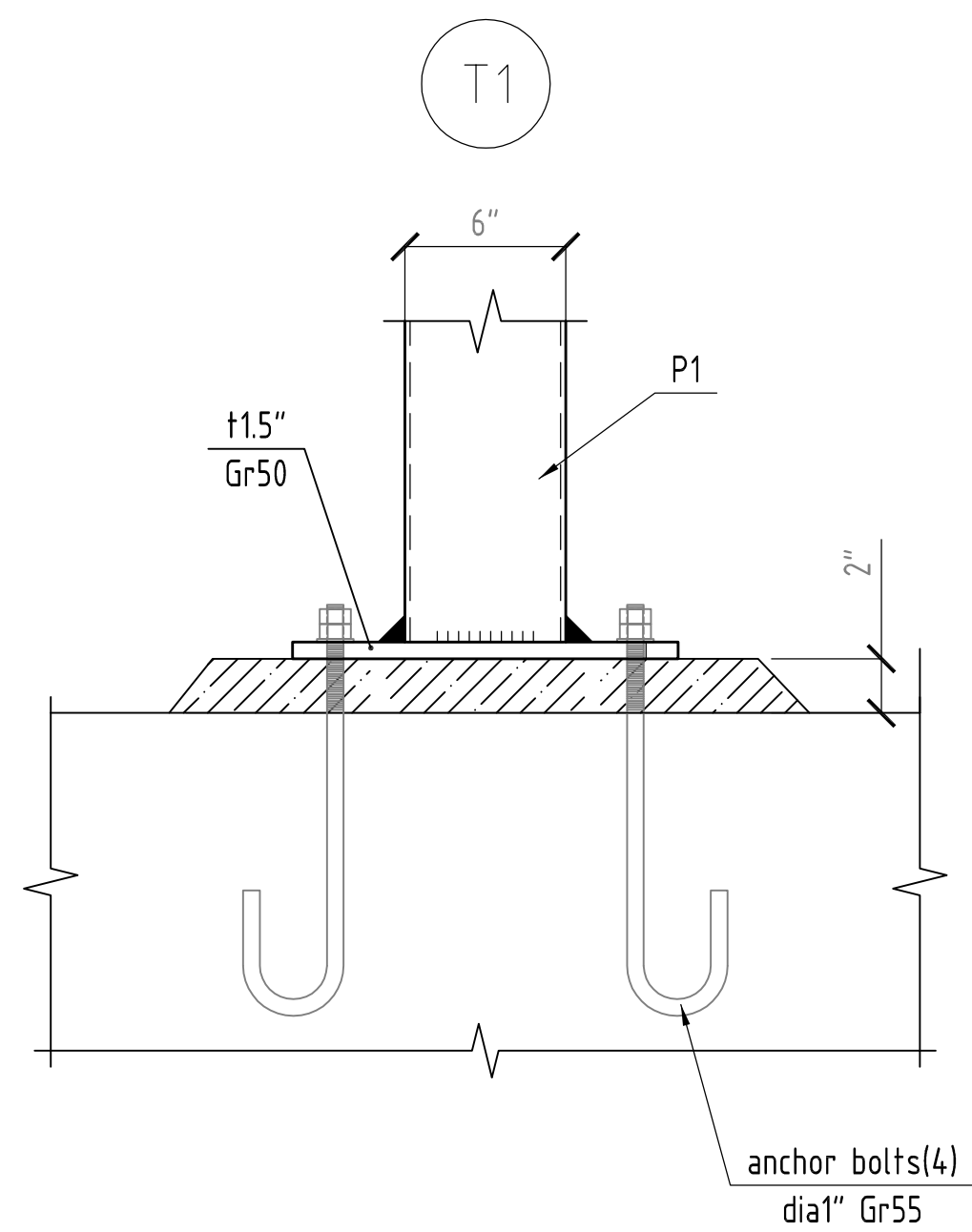
### 3rd FLOOR (ROOF LEVEL) . Deck slope plan



SHIPPING  
CONTAINER  
HOME  
SINGLE 3st

012





Project:

SHIPPING  
CONTAINER  
HOME  
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Version map:

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Scale: 1/4" = 1"  
PAPER SIZE A2

Title:

Typical connections between  
assembly parts

Sheet:

S013