

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:

Roof

Ceilings

Floor

Partitions

13 Psf

13 Psf

15 Psf

15 Psf

Side Wall

40.5 Plf

LL:

Roof

Floor

20 Psf

40 Psf

SNOW LOADS:

150 Psf
- 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.

List of drawings

Sheet	Designations	Note
1	GENERAL NOTES	
2	CIVIL LAYOUT	
3	1st FLOOR LEVEL	
4	1st FLOOR (CEILING LEVEL)	
5	2nd FLOOR LEVEL	
6	2nd FLOOR (CEILING LEVEL)	
7	Floors,roof and walls structural details	
8	2nd FLOOR LEVEL. Deck slope plan	
9	3rd FLOOR (ROOF LEVEL). Deck slope plan	
10	Typical connections between assembly parts	

Project:

SHIPPING
CONTAINER
HOME
(2st option)

Locality map:

Send:

Issued for:

No.

Date

Description

Scale: 1/4"= 1'

PAPER SIZE A2

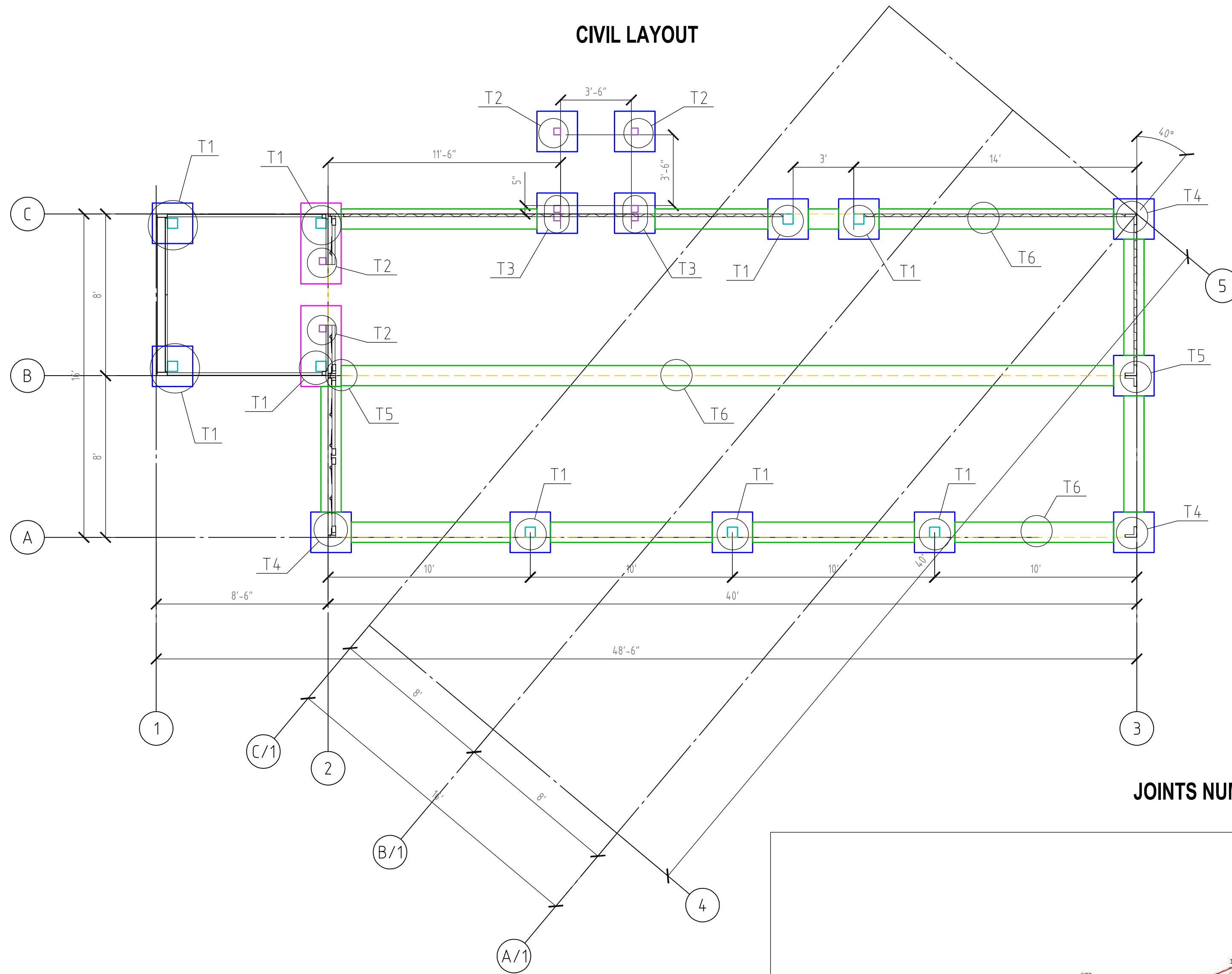
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GENERAL NOTES

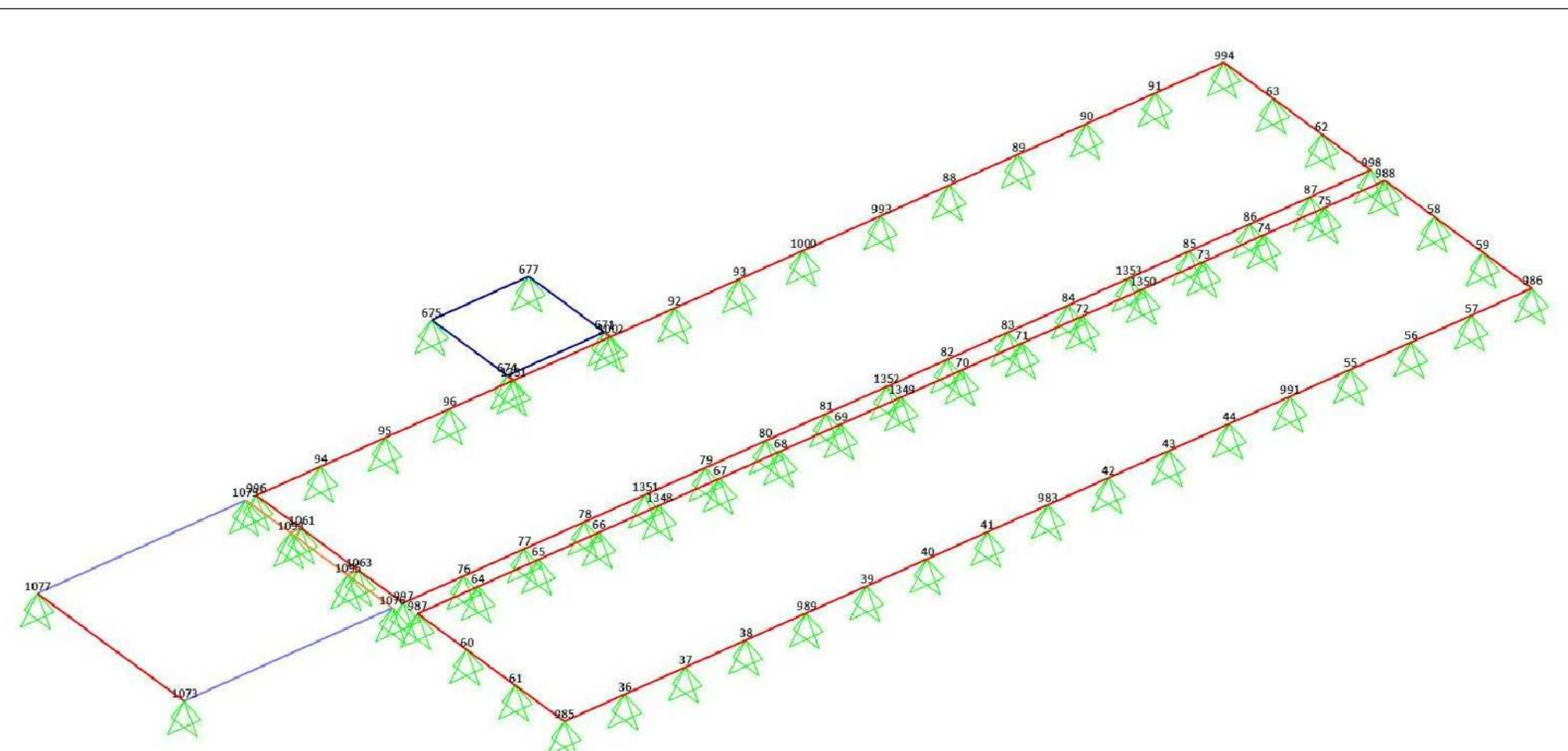
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S001

CIVIL LAYOUT



JOINTS NUMBERS



SHIPPING
CONTAINER
HOME
(2st option)

y map:

for:

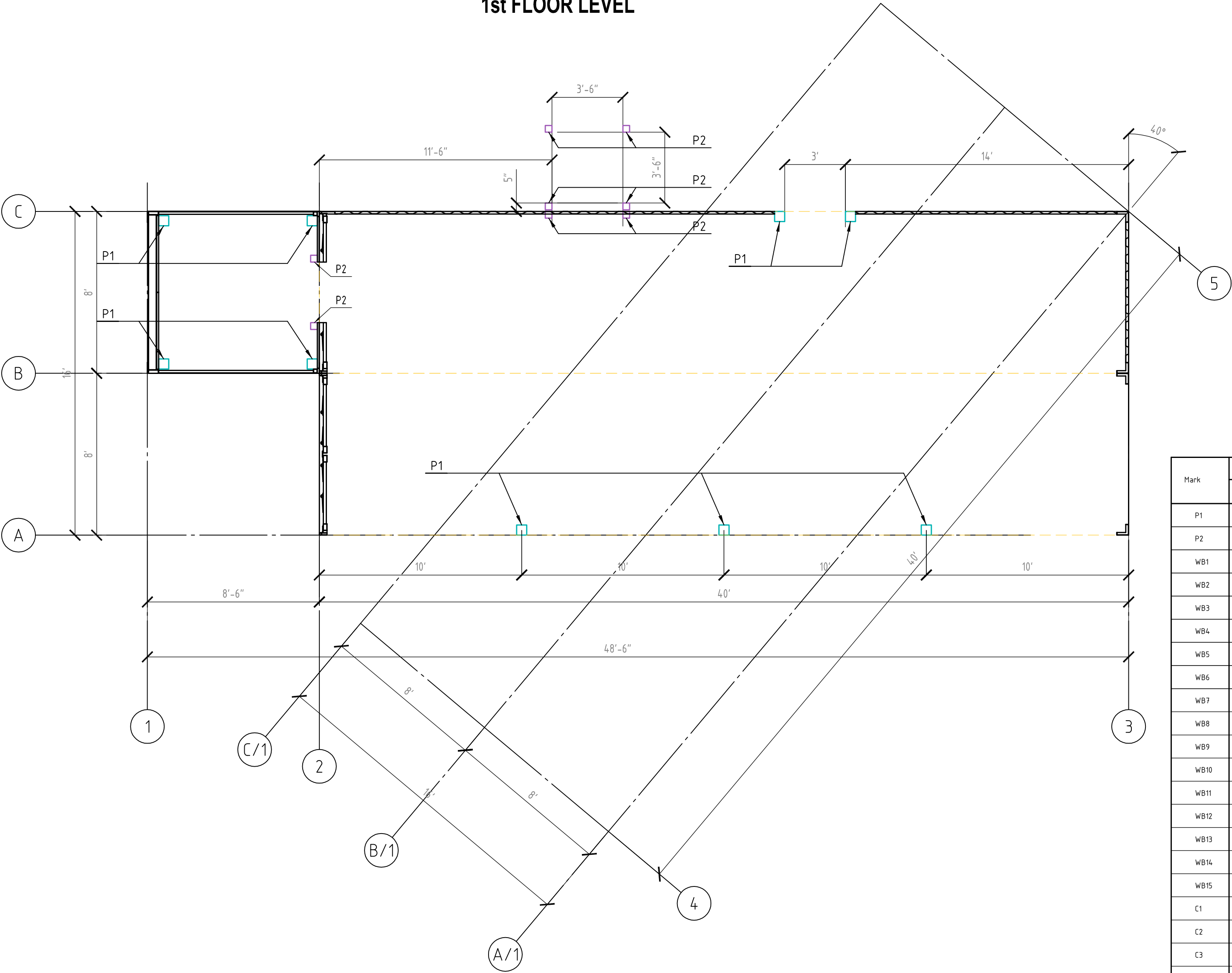
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PAPER SIZE A2

CIVIL LAYOUT

S002

1st FLOOR LEVEL



List of sections

Mark	Section			Steel grade
	Sketch	N	Nomination	
P1			Square tube 6x6x5/16	A572Gr50
P2			Square tube 4x4x3/8	A572Gr50
WB1			W14x26	A992Fy50
WB2			W8x10	A992Fy50
WB3			W12x19	A992Fy50
WB4			W8x10	A992Fy50
WB5			W21x62	A992Fy50
WB6			W12x14	A992Fy50
WB7			W18x35	A992Fy50
WB8			W12x14	A992Fy50
WB9			W21x62	A992Fy50
WB10			W12x19	A992Fy50
WB11			W14x26	A992Fy50
WB12			W14x26	A992Fy50
WB13			W14x26	A992Fy50
WB14			W21x62	A992Fy50
WB15			W8x10	A992Fy50
C1			C4x5.4	A992Fy50
C2			C6x8.2	A992Fy50
C3			C8x11.5	A992Fy50
C4			C10x20	A992Fy50

Project:
**SHIPPING
CONTAINER
HOME
(2st option)**

Vicinity map:

Seat:

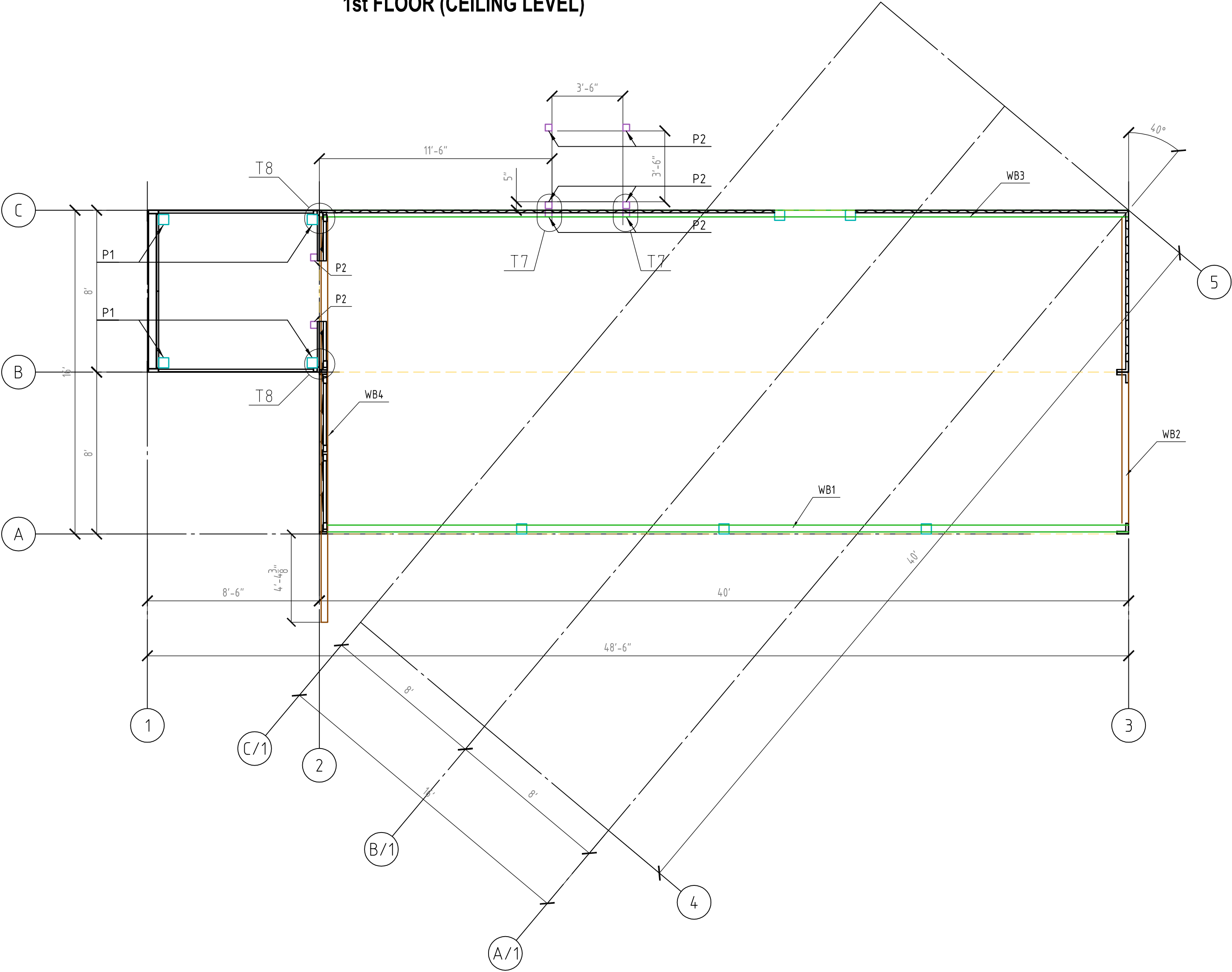
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PAPER SIZE A2
Title:
1st FLOOR LEVEL

Sheet:
S003

1st FLOOR (CEILING LEVEL)



Project:
SHIPPING
CONTAINER
HOME
(2st option)

Vicinity map:

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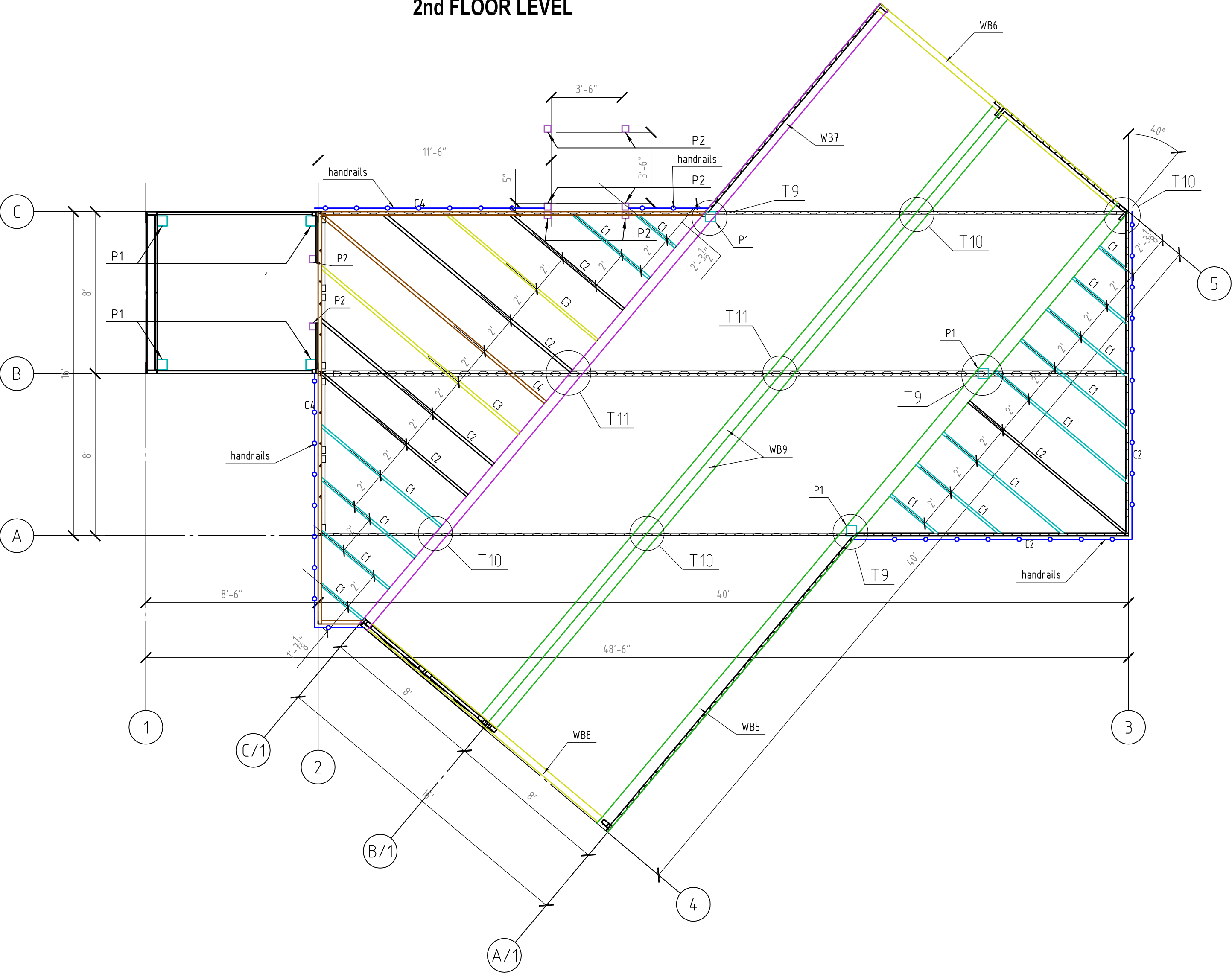
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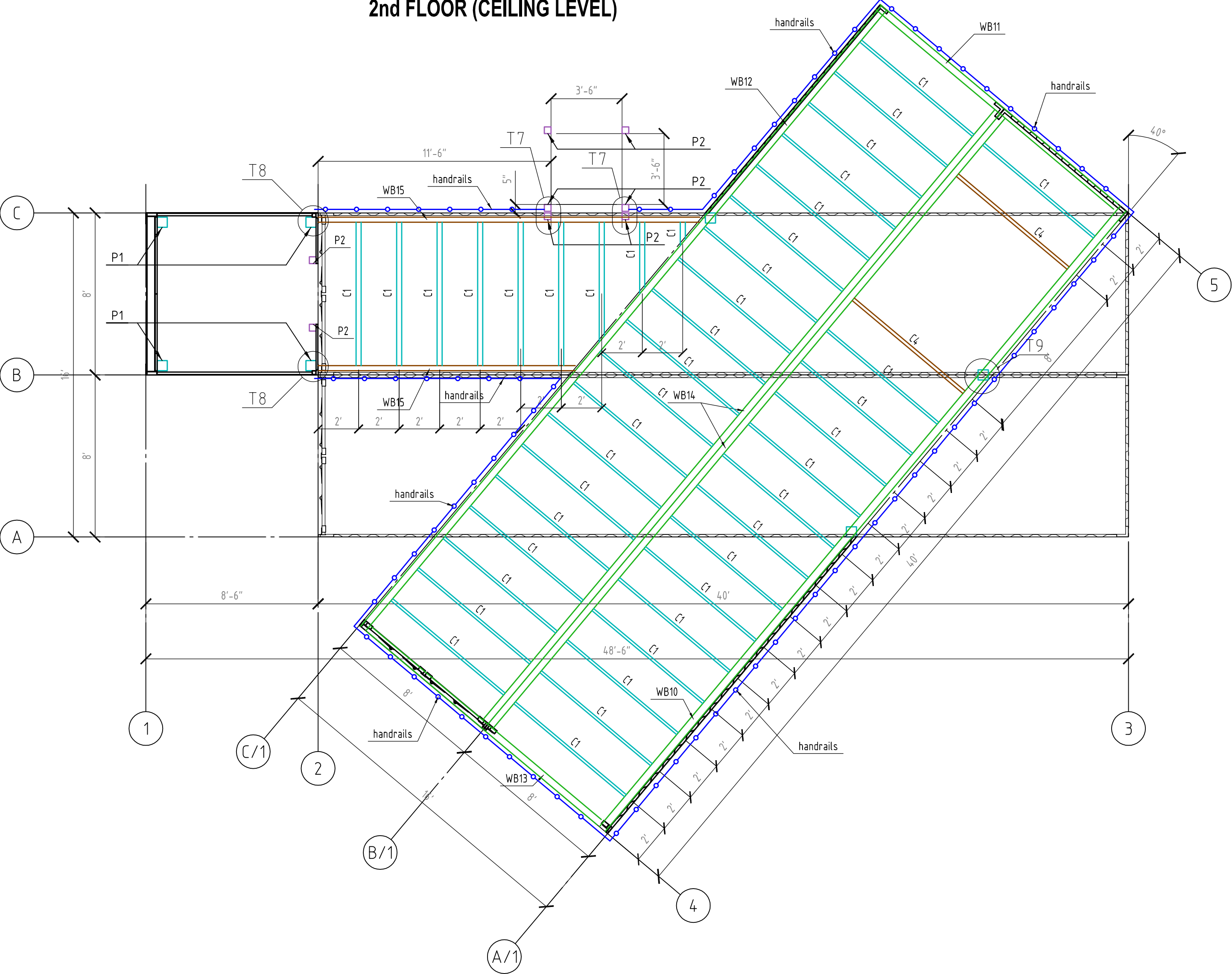
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1st FLOOR (CEILING LEVEL)

Sheet:
S004

2nd FLOOR LEVEL



2nd FLOOR (CEILING LEVEL)



Project:
SHIPPING
CONTAINER
HOME
(2st option)

Vicinity map:

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No.	Date	Description

Scale: 1/4" = 1'-0"
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2nd FLOOR (CEILING LEVEL)
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S006

Technical drawing showing a cross-section of a container floor structure. The drawing illustrates the connection between a vertical column and horizontal beams. Key components and labels include:

- C-channel of container**: Points to the horizontal beam structure.
- WB5**: Points to the vertical column.
- bolts 1"**: Points to the bolts securing the connection.
- t 3/4**: Points to the thickness of the plate.
- Cutted of SHS 6x6x5/16**: Points to the cut section of the vertical column.
- ceiling of container**: Points to the ceiling structure.
- WB1**: Points to the horizontal beam structure.
- 6"**: Dimension indicating the width of the cut section.

2x4(h) 22" O/C(average)

PU sandwich facade external wall panels

ext.

3" spray foam insulation

16"

16"

int.

drywall

steel studs

REFLECTIX

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

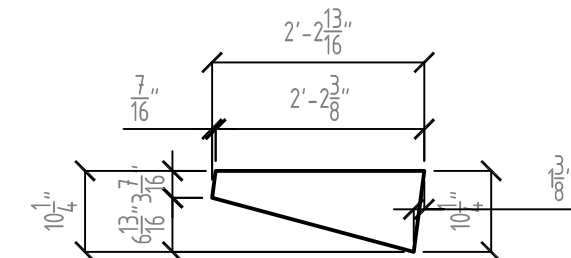
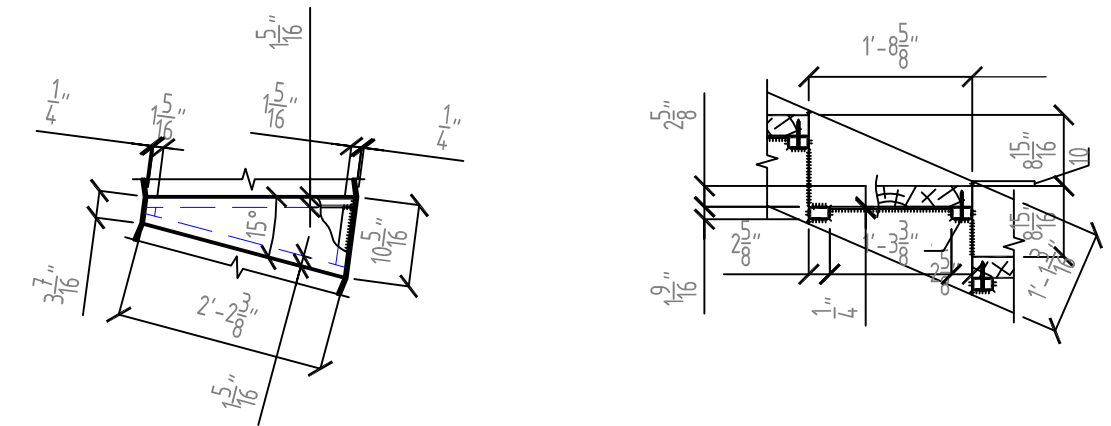
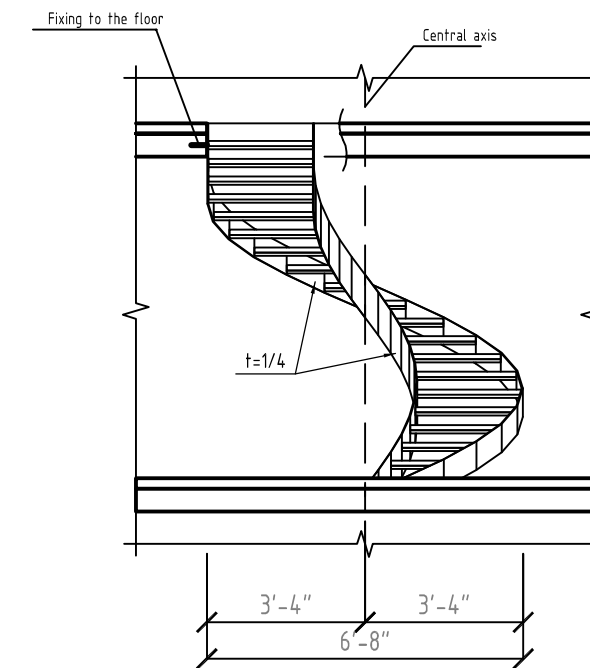
Lift shaft connections detail

1.9" x 0.145"
HSS

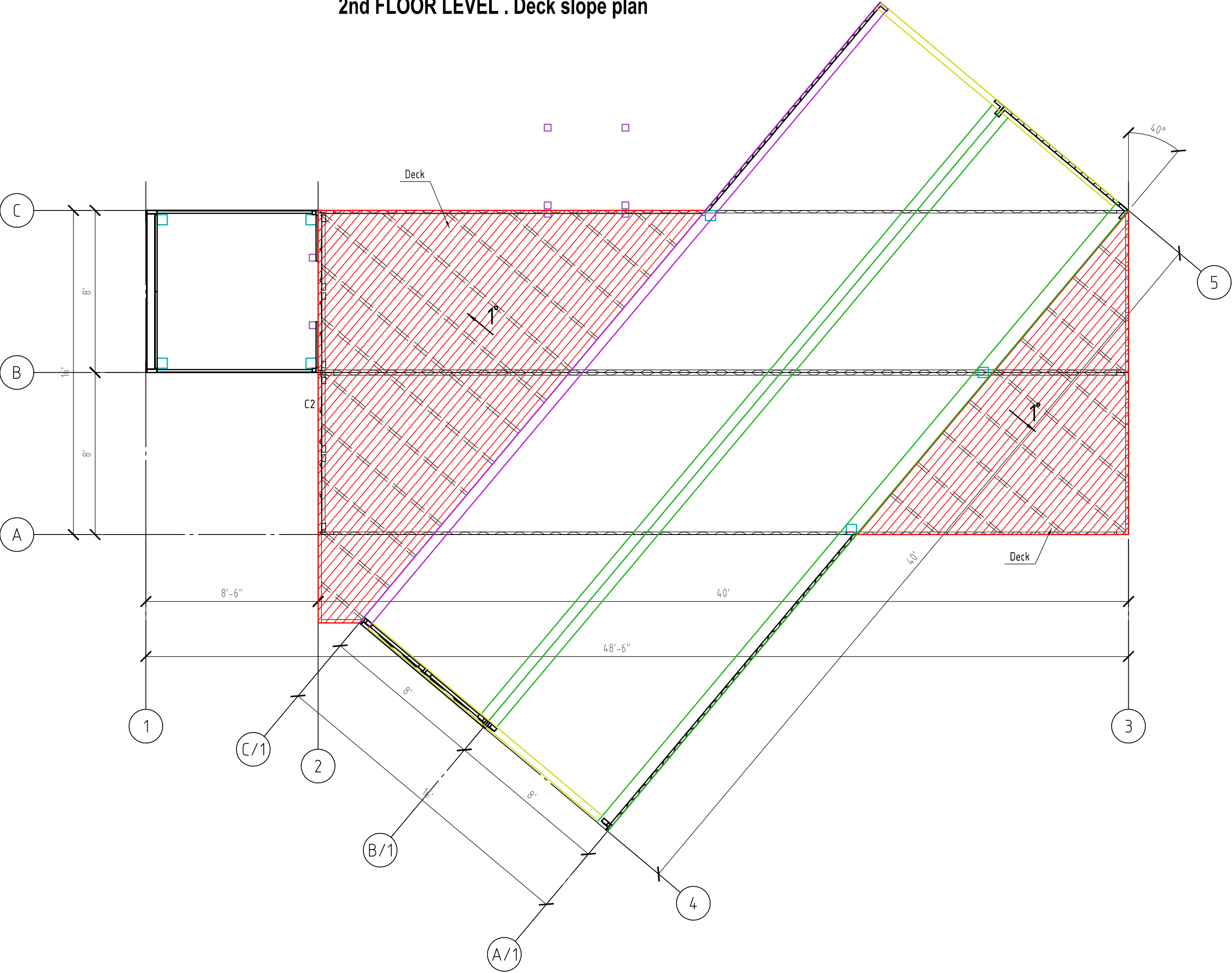
16"
16"
16"

4'

2" x 2" x 1/4"
SHS

[illegible]

2nd FLOOR LEVEL . Deck slope plan



Project:
SHIPPING
CONTAINER
HOME
(2st option)

Vicinity map:

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Issued for:

No.	Date	Description

Scale: 1/4" = 1'
PAPER SIZE A2
Title:
2nd FLOOR LEVEL.
Deck slope plan

Sheet:
S008

3rd FLOOR (ROOF LEVEL). Deck slope plan

The diagram is a technical architectural drawing of a deck slope plan for the 3rd floor (roof level). It features a rectangular deck area with a circular feature. The deck is divided into sections by grid lines A, B, and C, and 1, 2, 3, 4, and 5. The deck is sloped at 1 degree. The circular feature is located in the upper right section. The plan includes dimensions for the deck area and the circular feature. The deck is shown with a grid of lines and a circular feature. The plan is titled '3rd FLOOR (ROOF LEVEL). Deck slope plan'.

SHIPPING
CONTAINER
HOME
(2st option)

y map:

for:

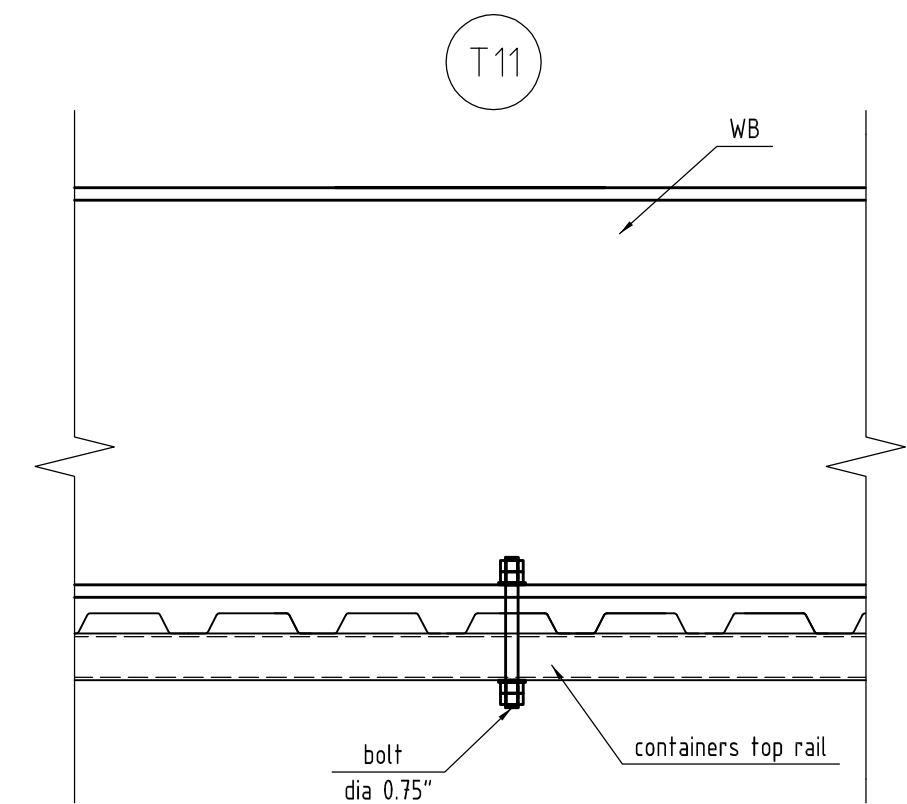
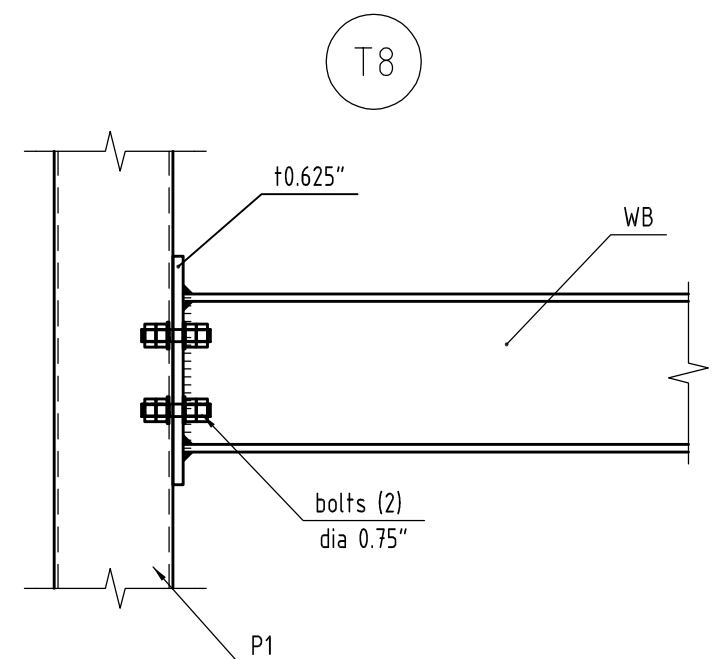
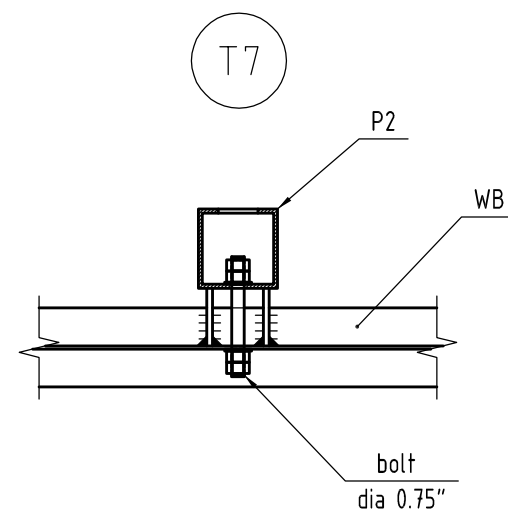
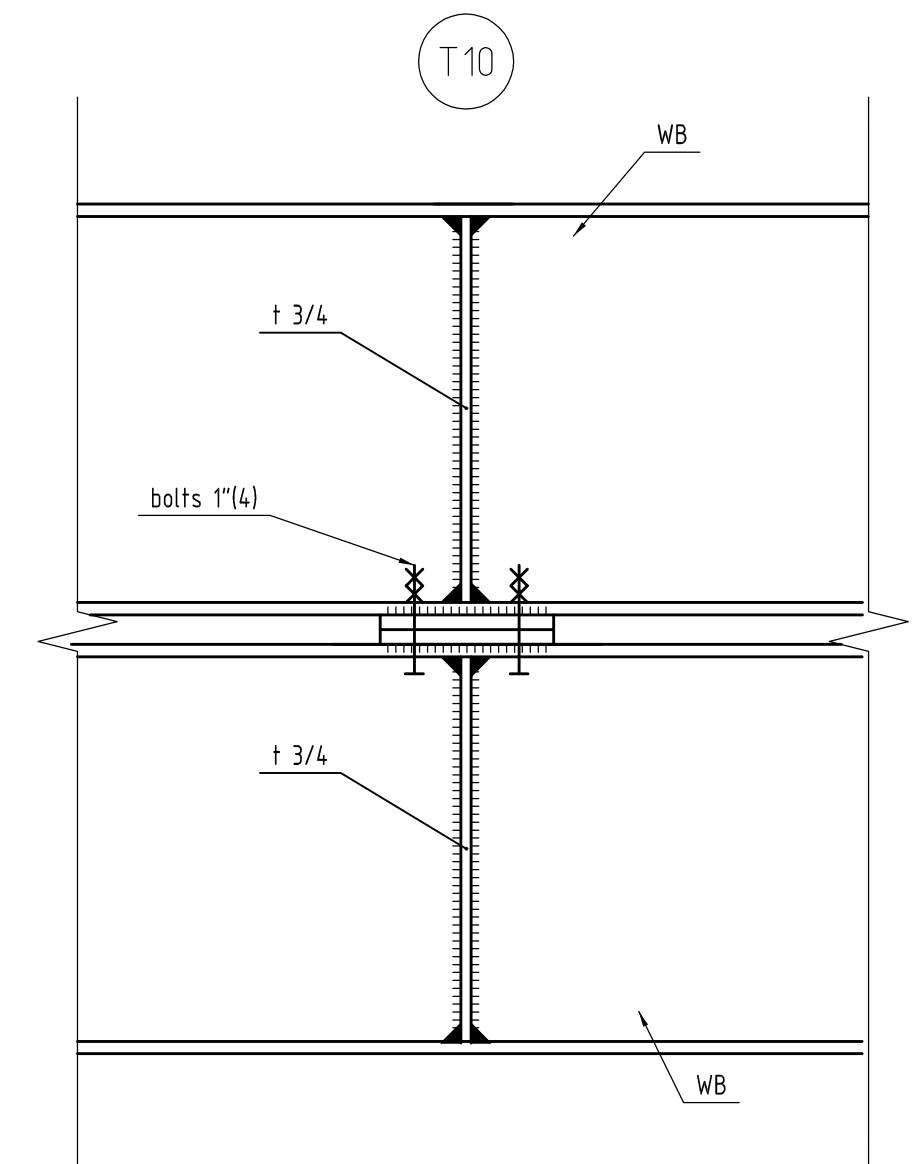
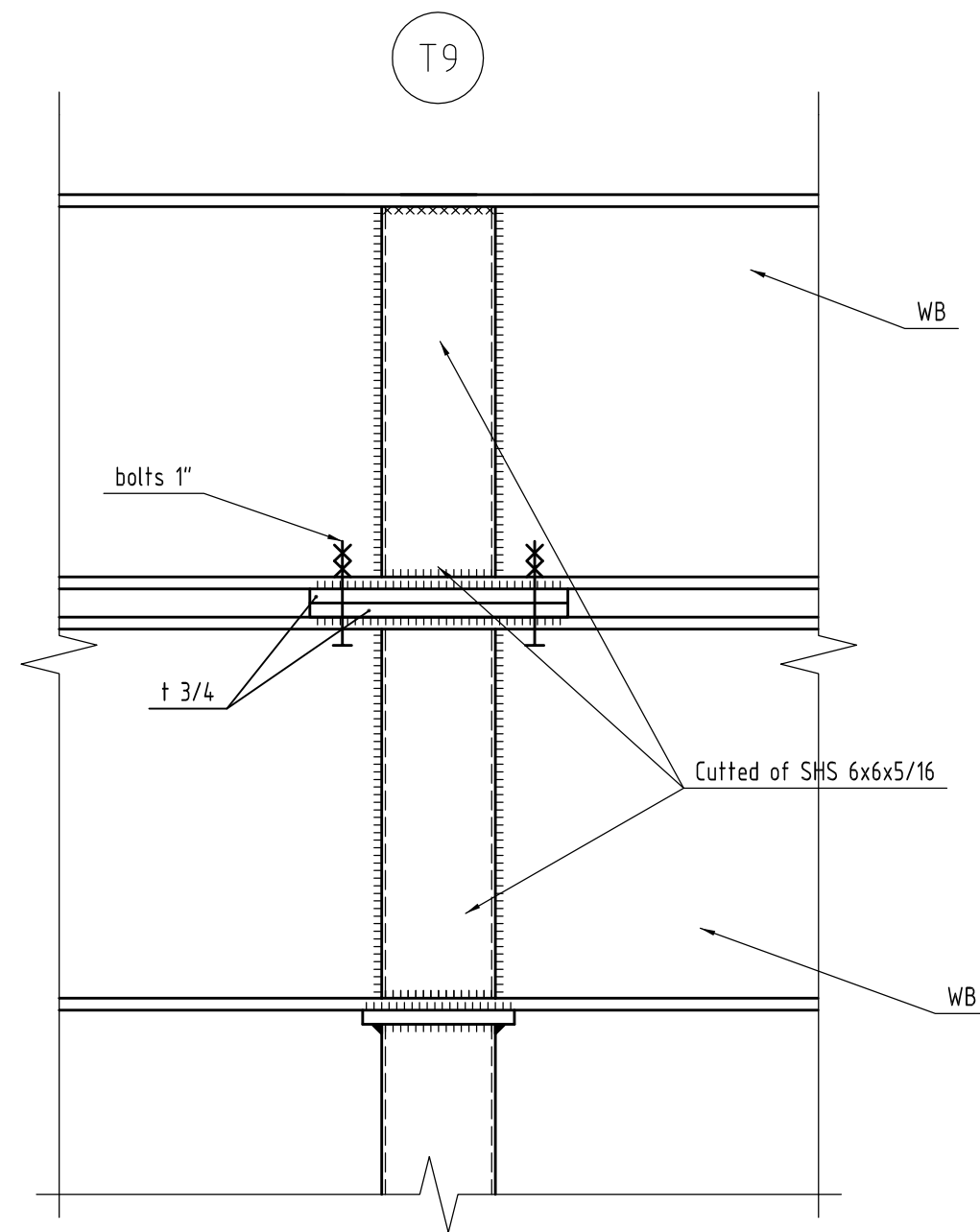
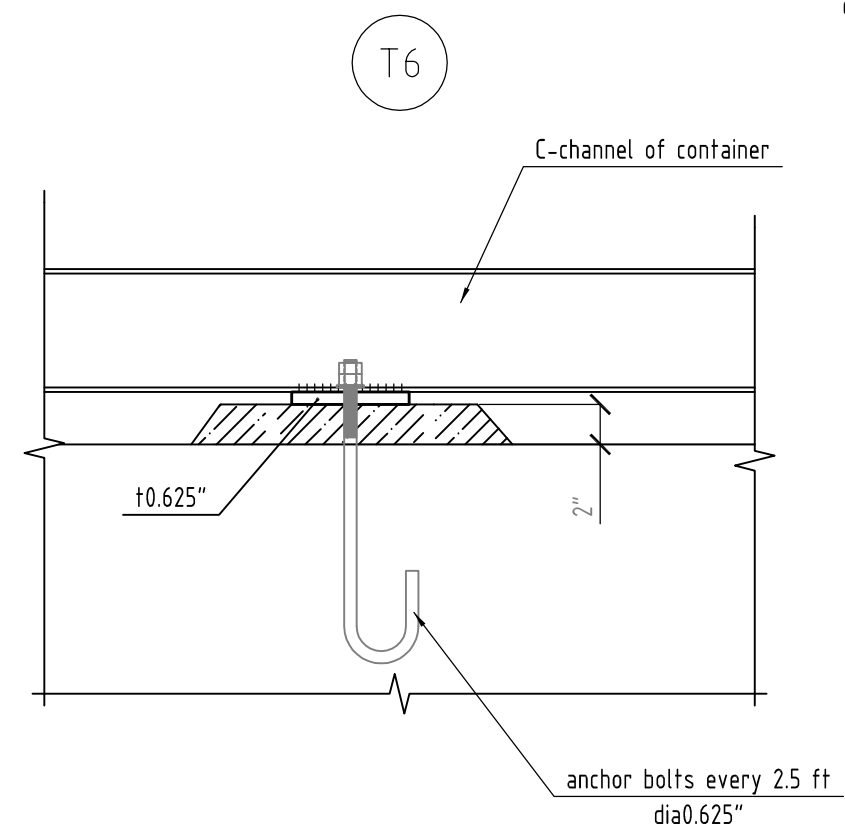
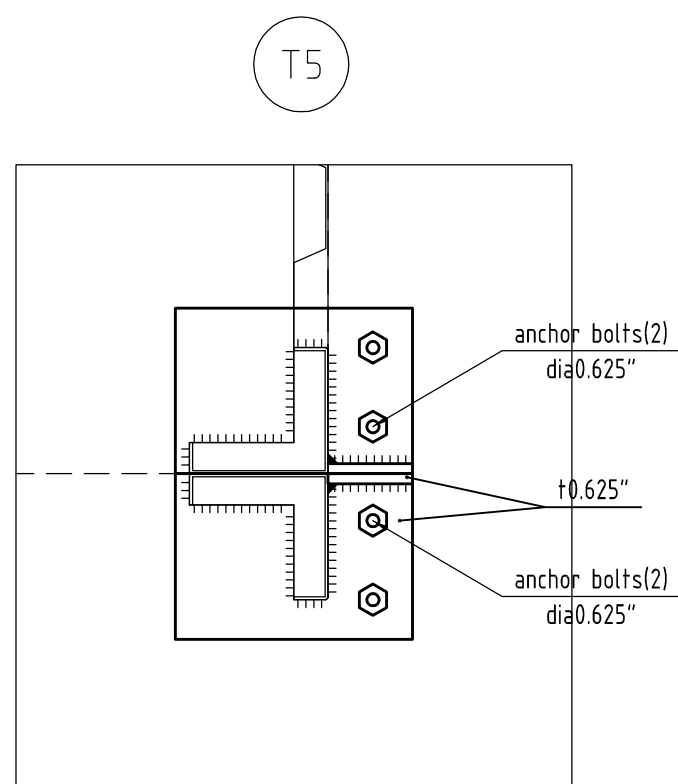
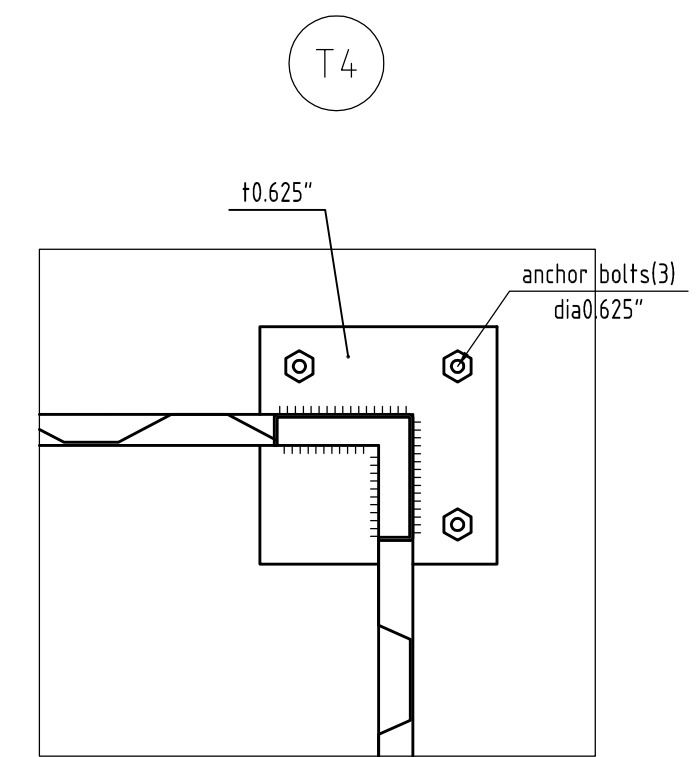
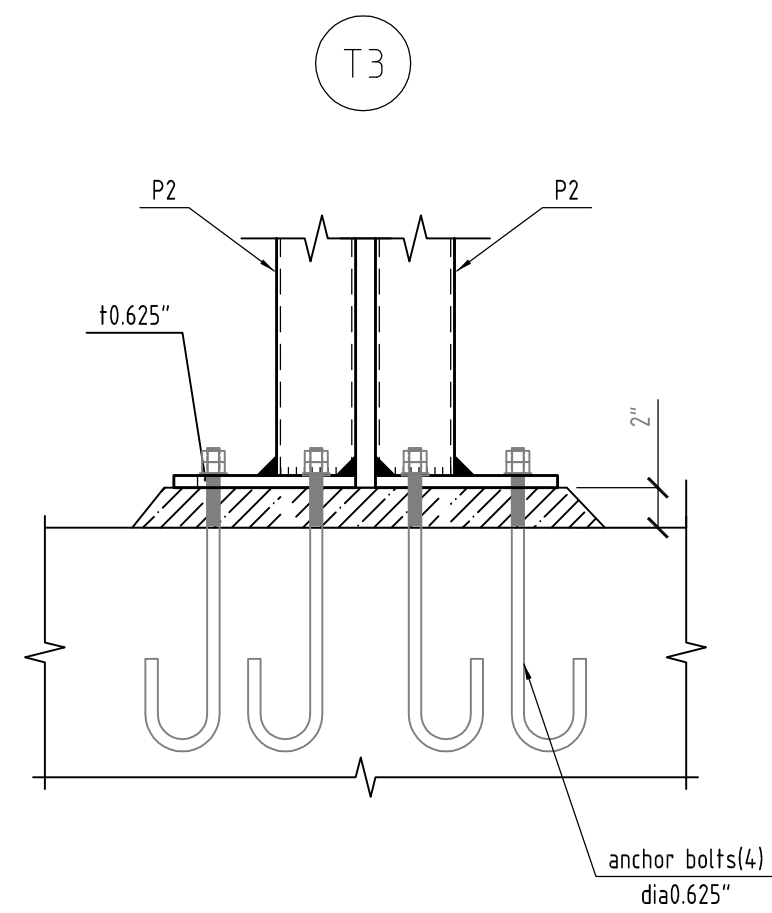
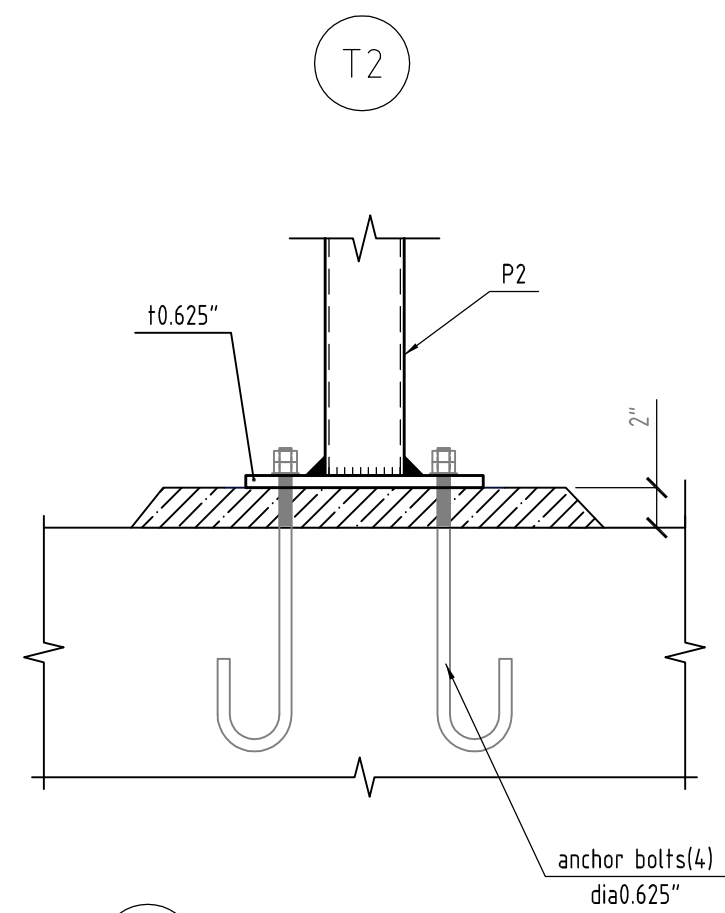
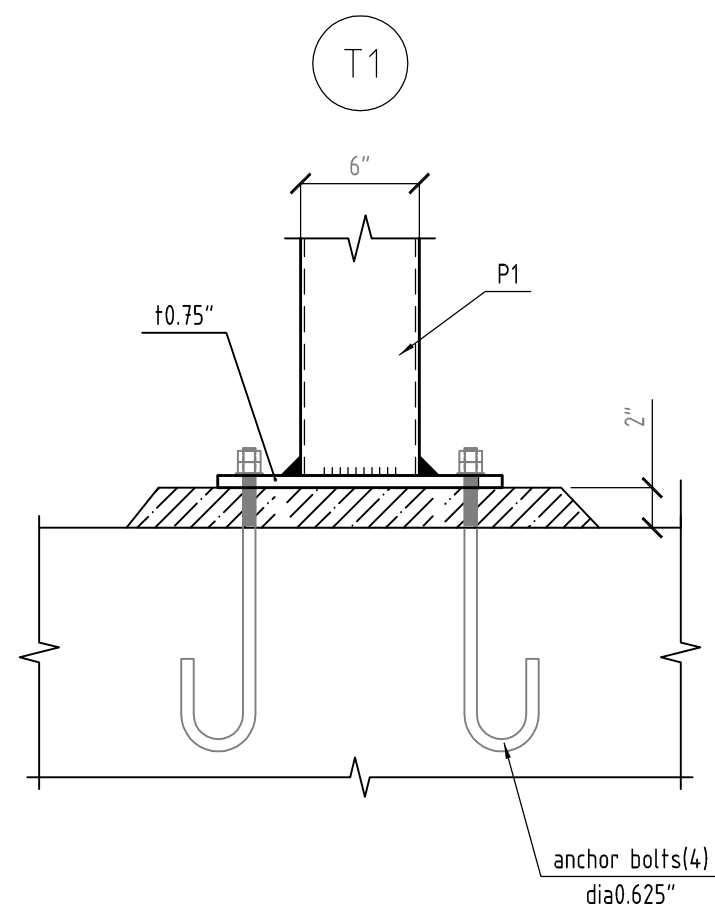
Date	Description
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$$1/4^{\circ} = 1'$$

PAPER SIZE A2

rd FLOOR (ROOF LEVEL) .
Deck slope plan

S009



Project:

SHIPPING
CONTAINER
HOME
(2st option)

Visibly map:

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

Title:

Typical connections between
assembly parts

Sheet:

S010