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	13 Psf
	Ceilings	13 Psf
	Floor	15 Psf
	Partitions	15 Psf
	Side Wall	40.5 Plf
LL:		
	Roof	20 Psf
	Floor	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

Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

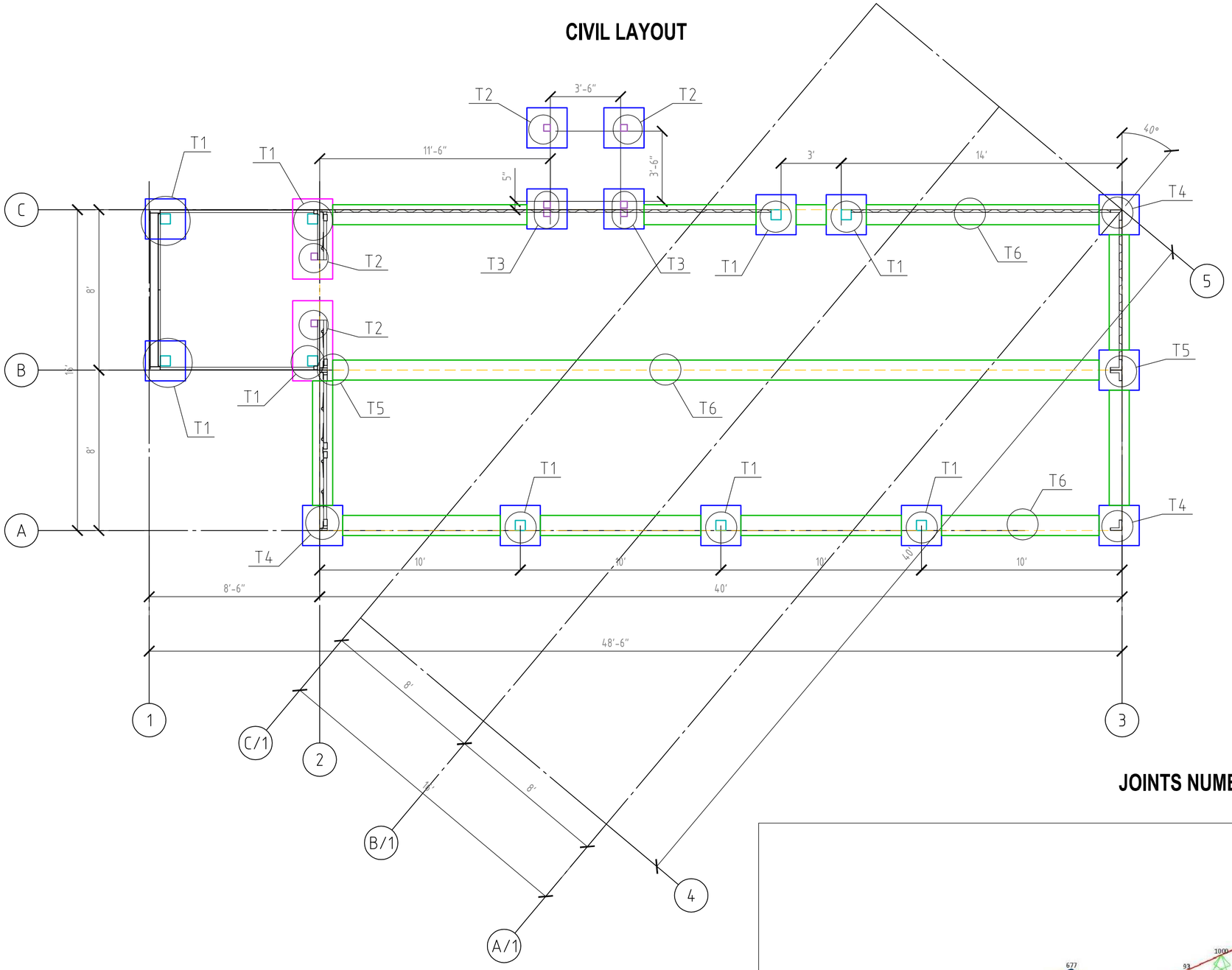
Title:

GENERAL NOTES

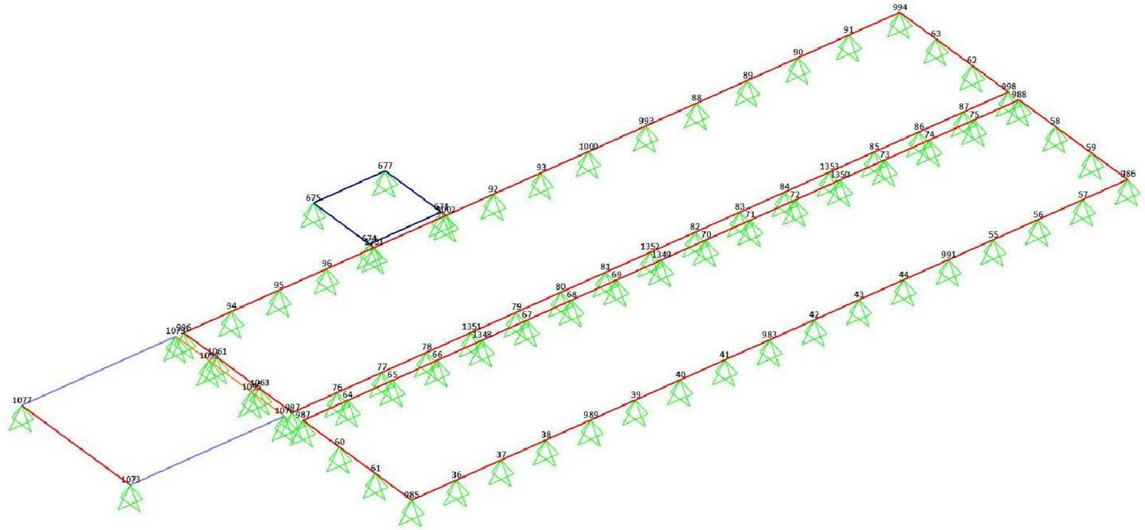
Sheet:

S001

CIVIL LAYOUT



JOINTS NUMBERS



Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

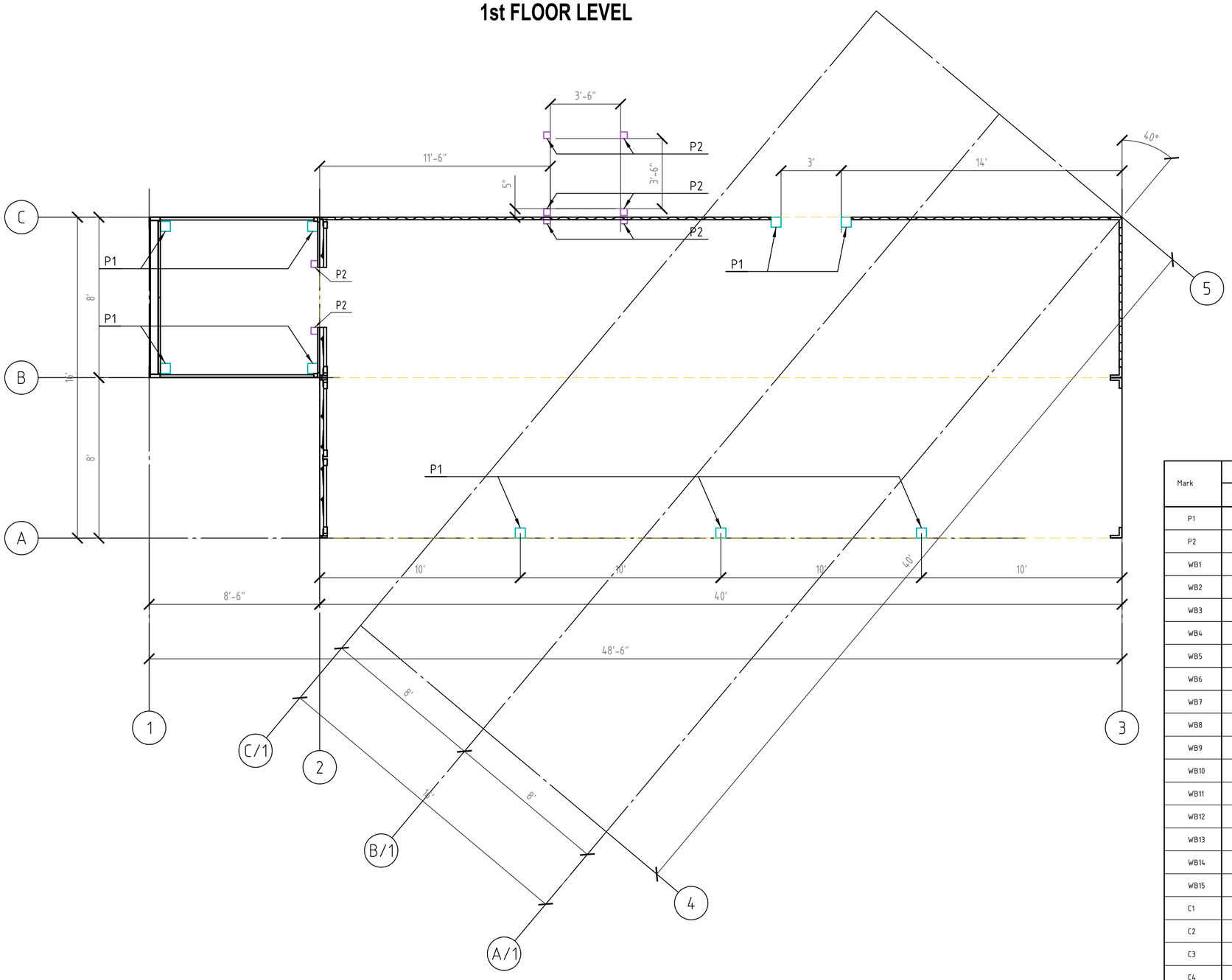
Title:

CIVIL LAYOUT

Sheet:

S002

1st FLOOR LEVEL



List of sections

Mark	Section			Steel grade
	Sketch	№	Nomination	
P1	□		Square tube 6x6x5/16	A572Gr50
P2	□		Square tube 4x4x3/8	A572Gr50
WB1	I		W14x26	A992Fy50
WB2	I		W8x10	A992Fy50
WB3	I		W12x19	A992Fy50
WB4	I		W8x10	A992Fy50
WB5	I		W21x62	A992Fy50
WB6	I		W12x14	A992Fy50
WB7	I		W18x35	A992Fy50
WB8	I		W12x14	A992Fy50
WB9	I		W21x62	A992Fy50
WB10	I		W12x19	A992Fy50
WB11	I		W14x26	A992Fy50
WB12	I		W14x26	A992Fy50
WB13	I		W14x26	A992Fy50
WB14	I		W21x62	A992Fy50
WB15	I		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:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

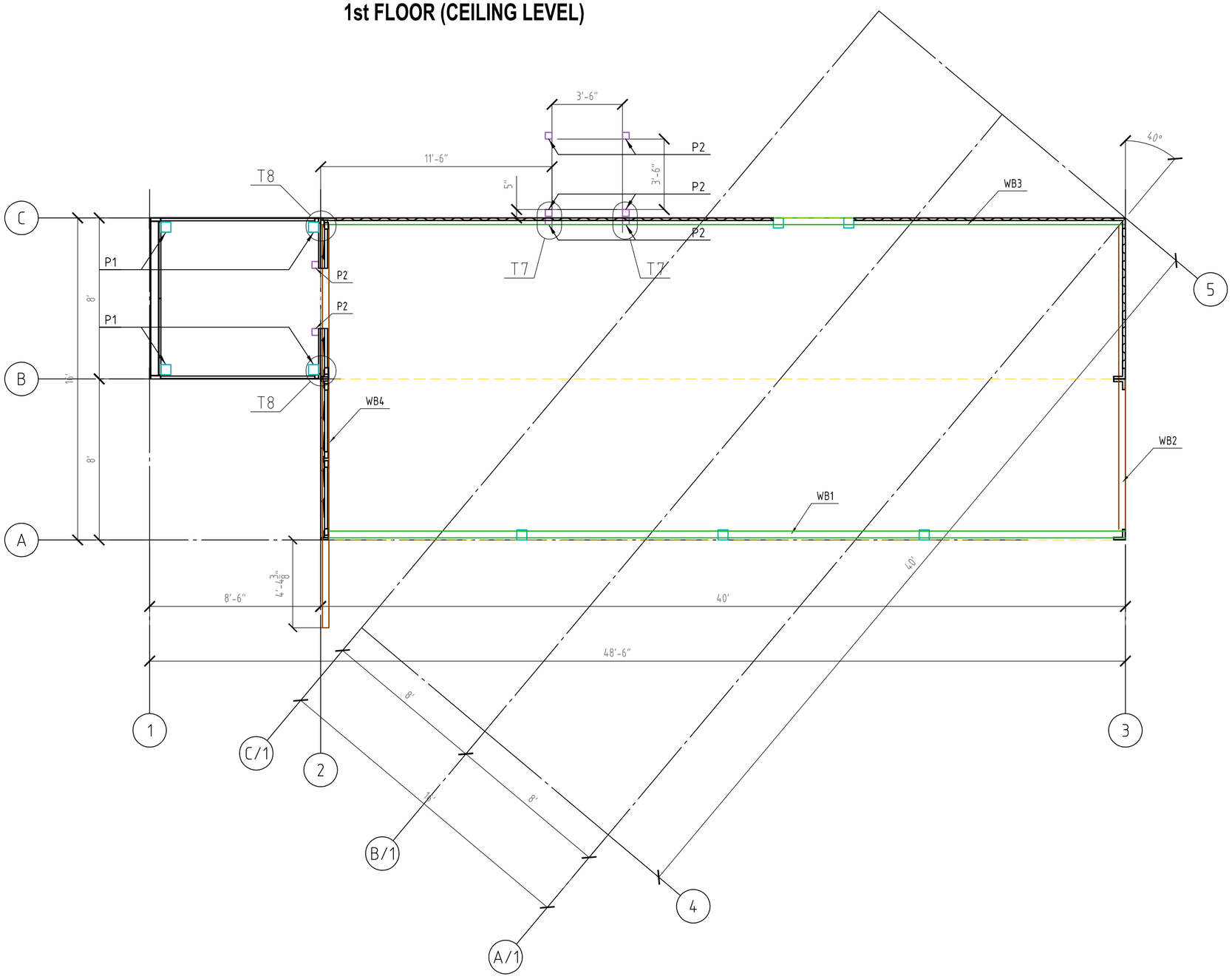
Title:

1st FLOOR LEVEL

Sheet:

S003

1st FLOOR (CEILING LEVEL)



Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

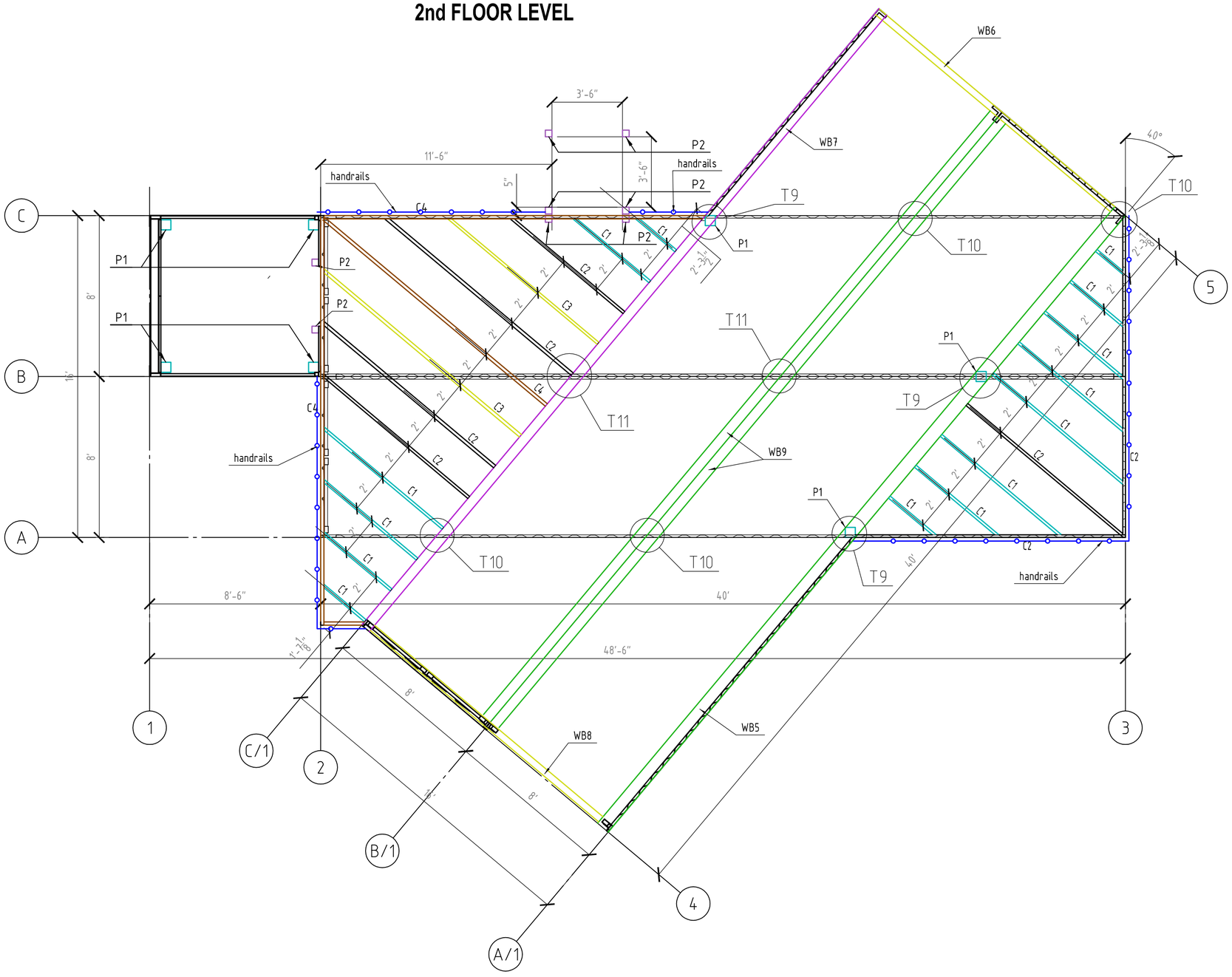
Title:

1st FLOOR (CEILING LEVEL)

Sheet:

S004

2nd FLOOR LEVEL



Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

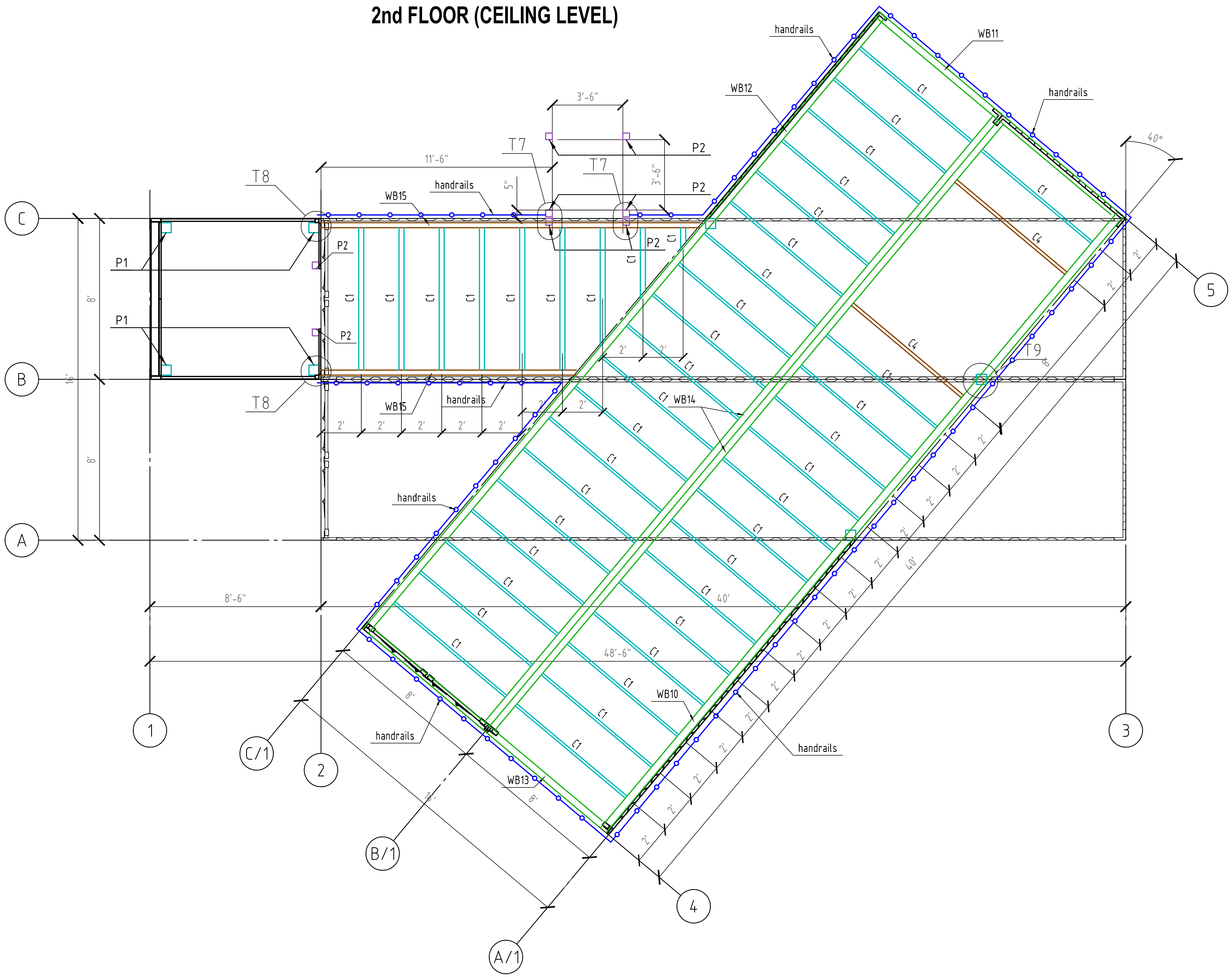
Title:

2nd FLOOR LEVEL

Sheet:

S005

2nd FLOOR (CEILING LEVEL)



Project:

SHIPPING
CONTAINER
HOME
(2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

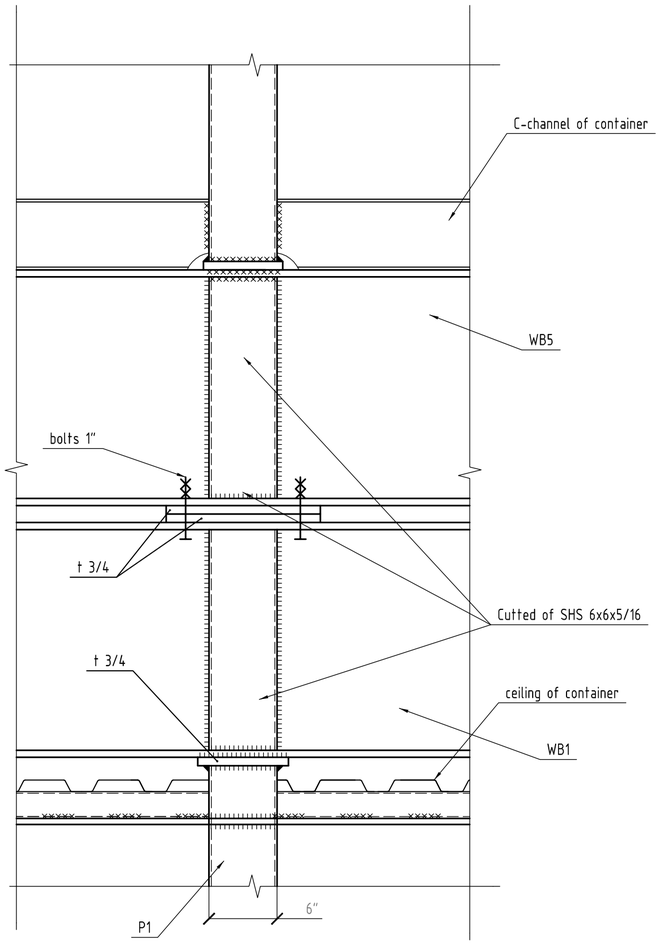
Title:

2nd FLOOR (CEILING LEVEL)

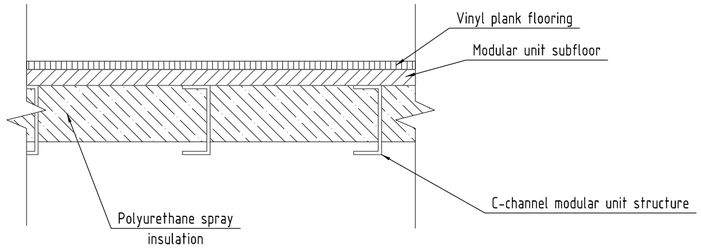
Sheet:

S006

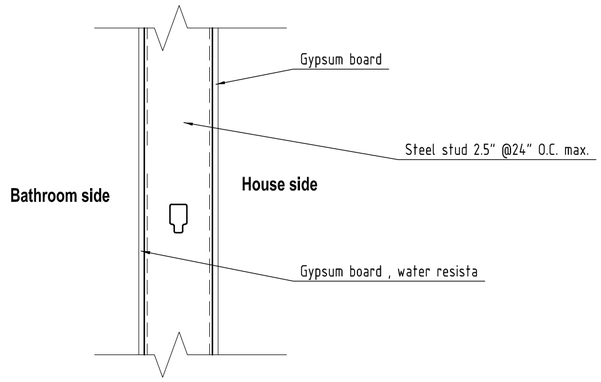
Connection post P1 to beam WB1 and beam WB1 with WB5



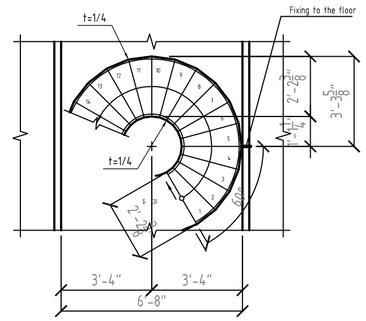
Floor section

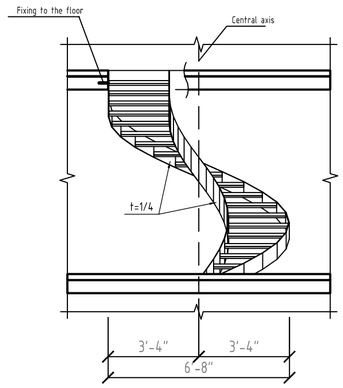


Interior wall section

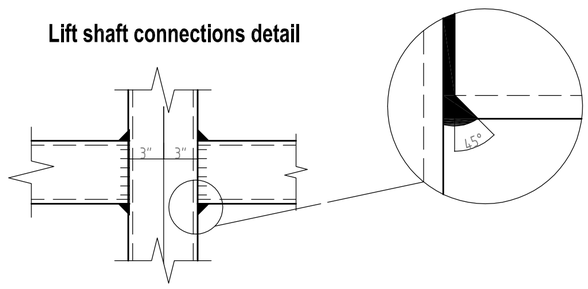


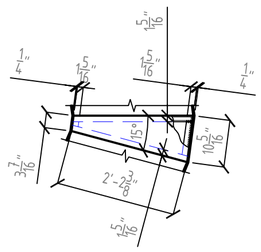
Curved staircase details

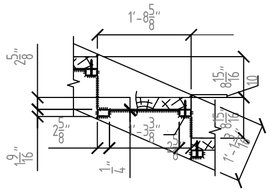


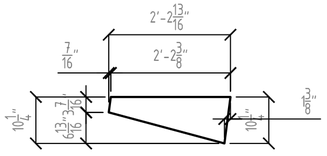


Lift shaft connections detail

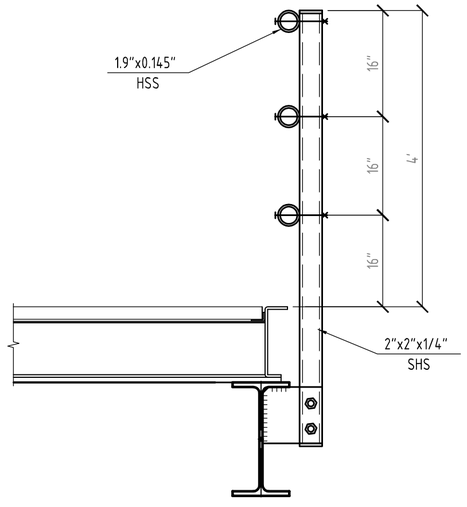




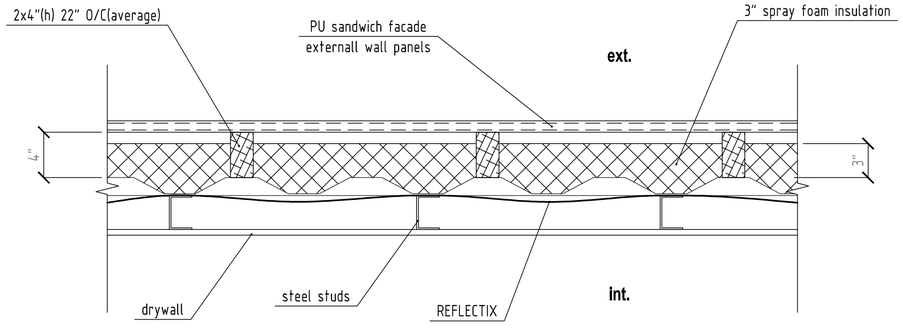




Handrails details



WALL SECTION DETAILS



Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

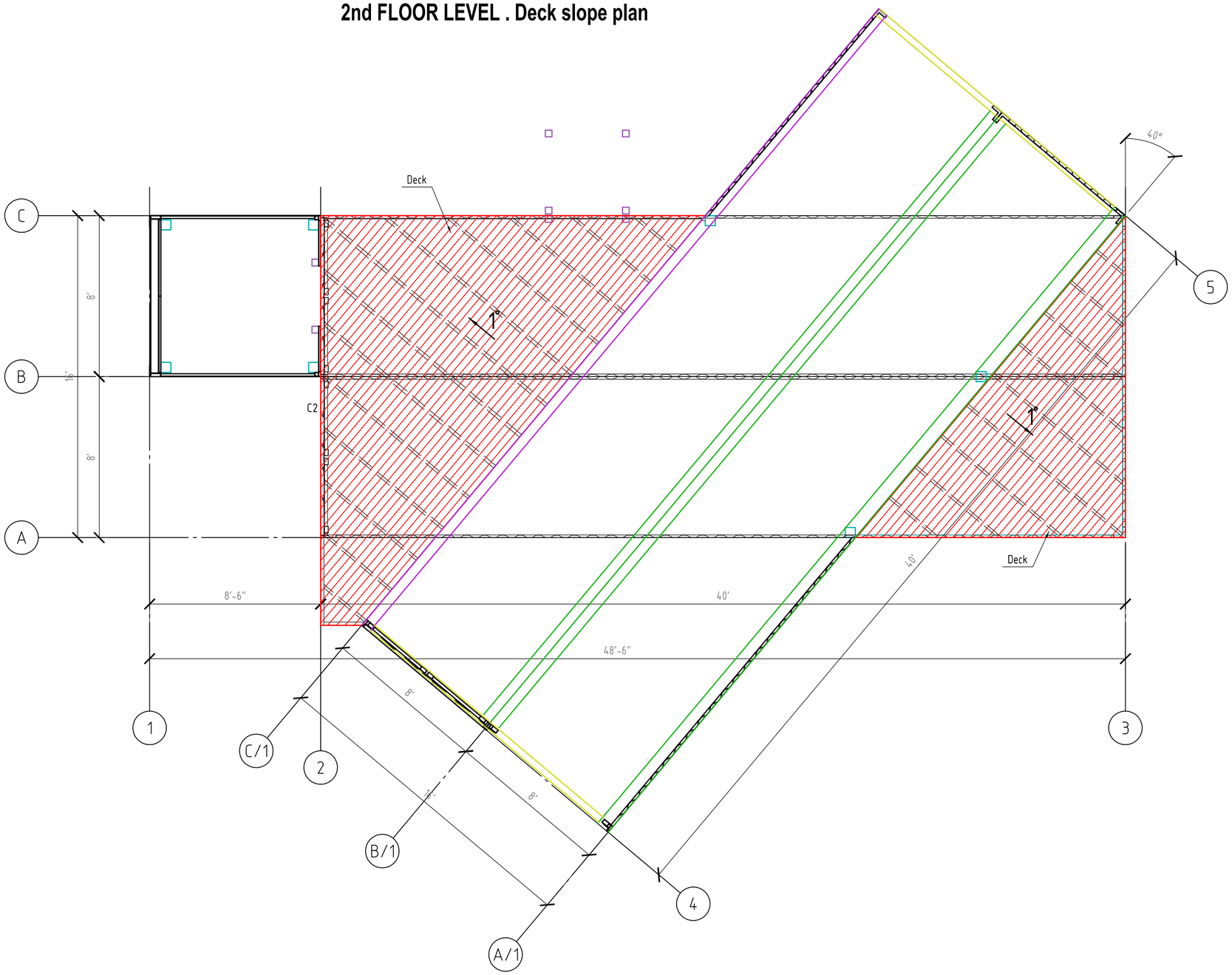
Title:

Floors,roof and walls structural details

Sheet:

S007

2nd FLOOR LEVEL . Deck slope plan



Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

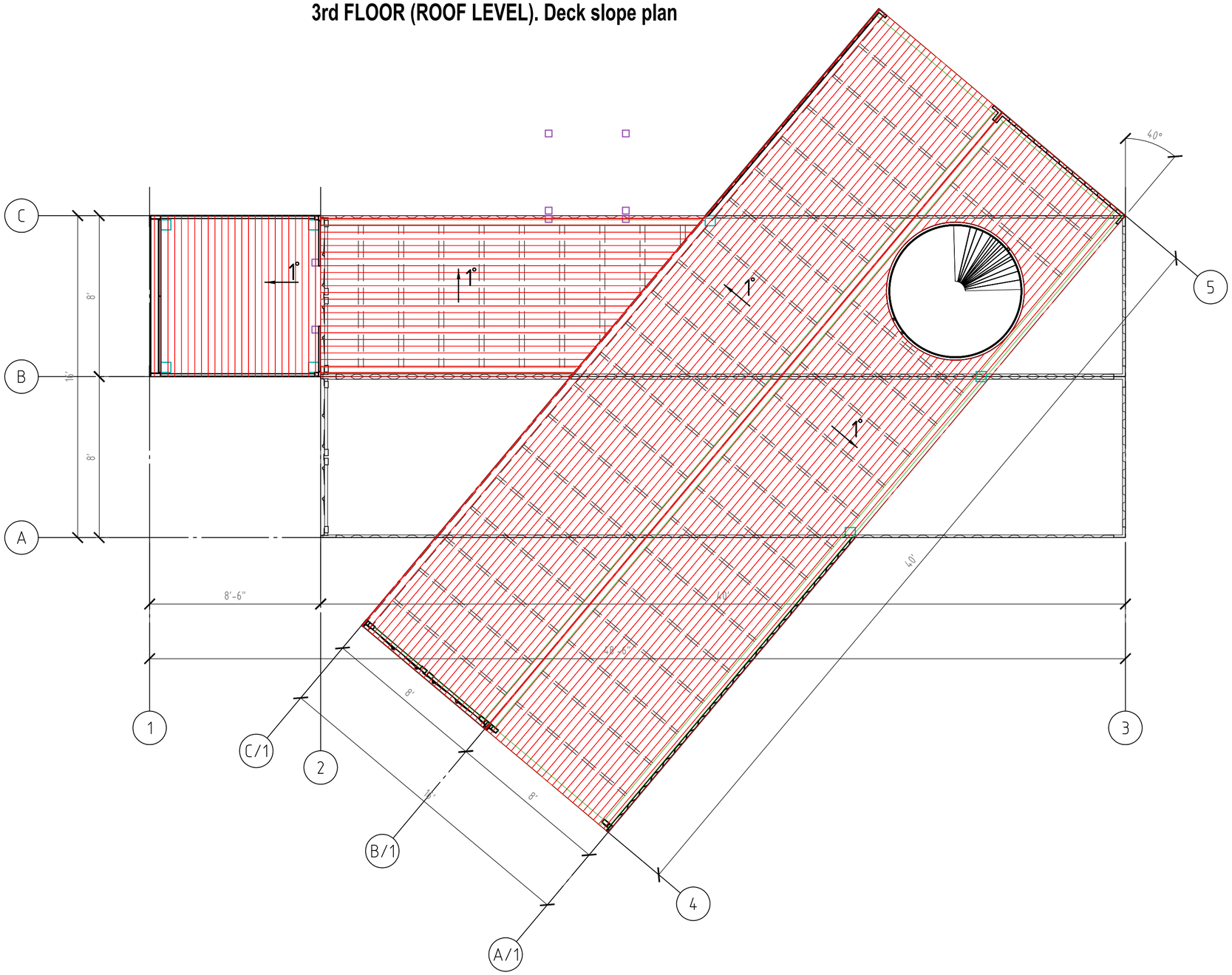
Title:

2nd FLOOR LEVEL. Deck slope plan

Sheet:

S008

3rd FLOOR (ROOF LEVEL). Deck slope plan



Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

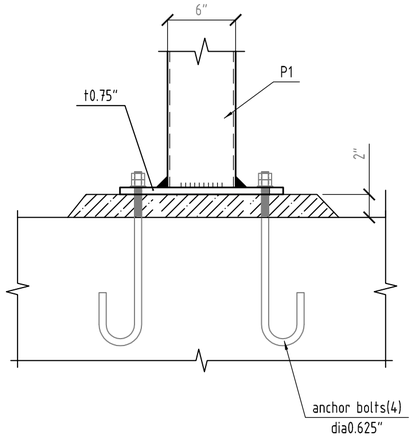
Title:

3rd FLOOR (ROOF LEVEL) . Deck slope plan

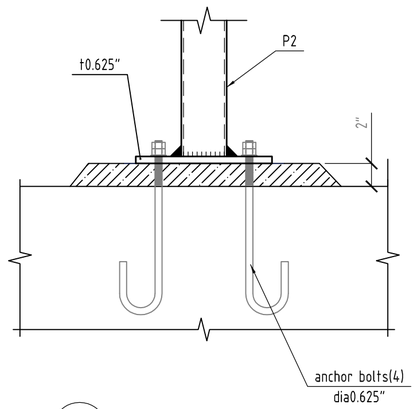
Sheet:

S009

T1



T2



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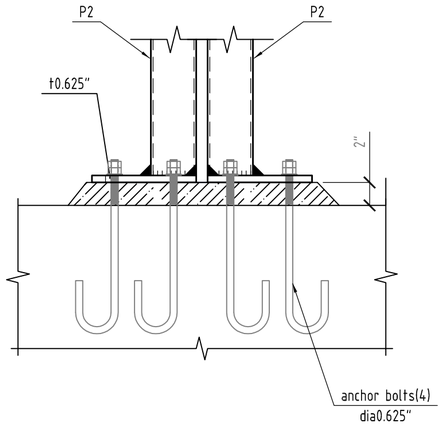

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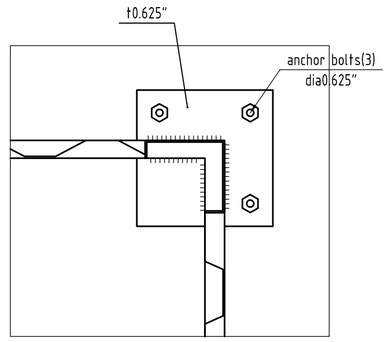
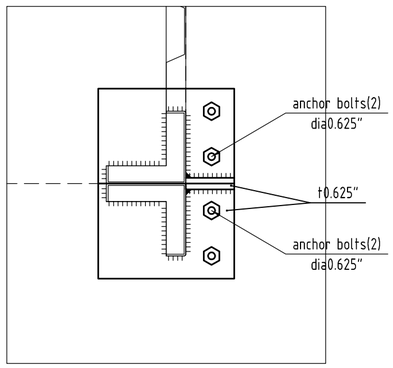
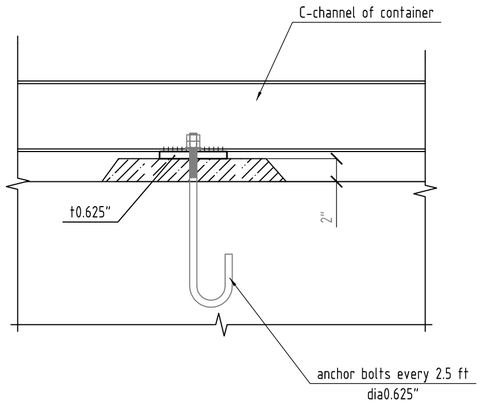


T5



T6



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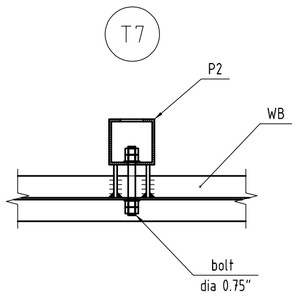

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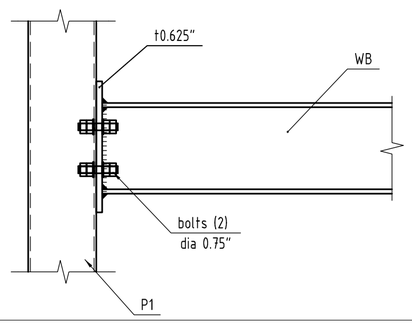

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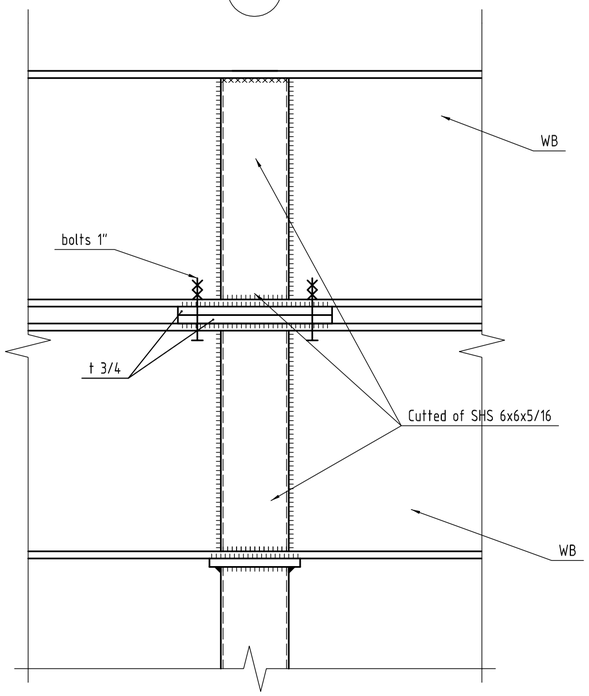

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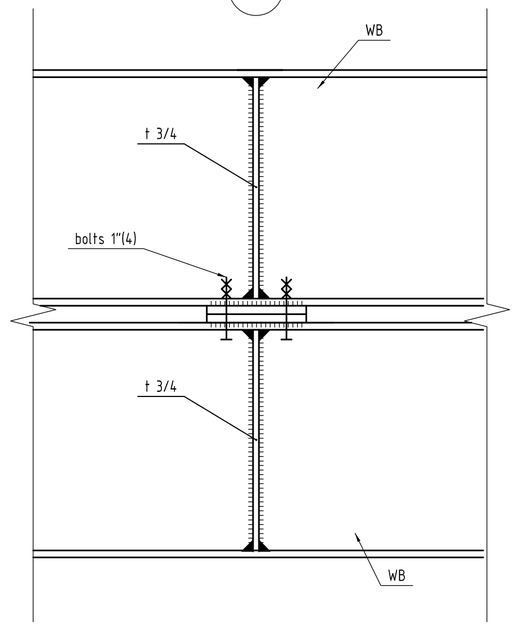

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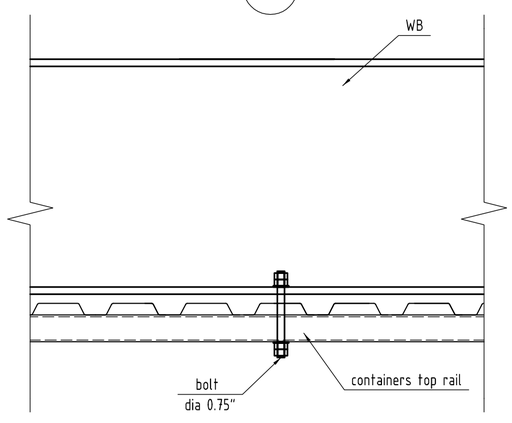

Project:

SHIPPING CONTAINER HOME (2st option)

Vicinity map:

Seal:

Issued for:

No.	Date	Description

Scale: 1/4"= 1'

PAPER SIZE A2

Title:

Typical connections between assembly parts

Sheet:

S010