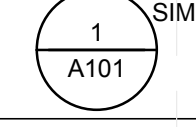



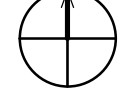
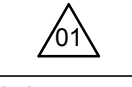
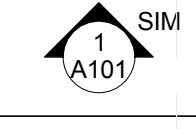
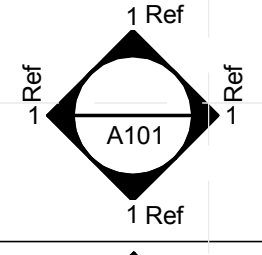
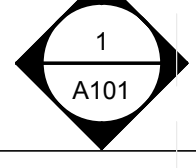
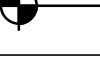
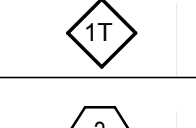
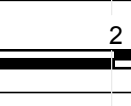





SYMBOL LEGEND	
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	CALL OUT TAG
	CENTERLINE
101	DOOR TAG
	STRUCTURAL GRID TAG
12 21 31 A2	REFERENCE KEYNOTE TAG
NAME ELEVATION 	ELEVATION MARKER
	NORTH ARROW
	REVISION TAG
ROOM NAME 101	ROOM TAG
	SECTION TAG
	INTERIOR ELEVATION TAG
	EXTERIOR ELEVATION TAG
	SPOT ELEVATION
1L	WALL TAG
	WINDOW TAG
	WINDOW TAG
	SHEET KEYNOTE TAG
	GRAPHIC SCALE
 <b>DRAWING BLOCK TITLE</b> 1 1/2" = 1'-0"	VIEW TITLE

SHEET LIST	
SHT NO	SHEET NAME
G-001	TABLE OF CONTENTS
G-101	FINISHED SQUARE FOOTAGE COMPLIANCE PLAN
G-201	SOLAR ENVELOPE COMPLIANCE ELEVATIONS
G-601	SHADING DIAGRAMS
G-901	GENERAL PROJECT RENDERINGS
G-902	GENERAL PROJECT RENDERINGS
G-102	EGRESS PLAN
G-103	ADA TOUR ROUTE COMPLIANCE PLAN
L-101	LANDSCAPE AND PLANTING SITE PLAN
L-501	LANDSCAPE DETAILS
A-111	FIRST FLOOR PLAN
A-112	ROOF PLAN
A-212	ELEVATIONS
A-211	ELEVATIONS
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A-301	BUILDING SECTIONS
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A-315	WALL ELEVATION
A-316	WALL ELEVATION
A-317	WALL SECTIONS
A-318	PLAN DETAILS
A-551	PV MOUNTING DETAILS
A-561	ROOF DETAILS
A-121	FIRST FLOOR REFLECTED CEILING PLAN
A-322	ROOF SECTIONS
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A-521	WINDOW&DOOR DETAILS1
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A-312	WALL SECTIONS
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A-123	CEILING DETAILS
A-603	MOVEABLE COMPONENT DIAGRAM
A-528	WINDOW&DOOR DETAILS8
A-701	TYPICAL DETAILS
I-102	INTERIOR FURNISHING PLAN
I-201	INTERIOR DESIGN ELEVATIONS
I-205	INTERIOR DESIGN ELEVATIONS
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I-204	INTERIOR DESIGN ELEVATIONS
I-206	INTERIOR DESIGN ELEVATIONS
O-101E	DISASSEMBLY SCHEDULE
O-101A	ARRIVAL SEQUENCE PLANS
O-101D	ASSEMBLY SCHEDULE
O-101B	OPERATION

SHEET LIST	
SHT NO	SHEET NAME
O-101	ARRIVAL SEQUENCE PLANS
O-101C	ASSEMBLY SCHEDULE

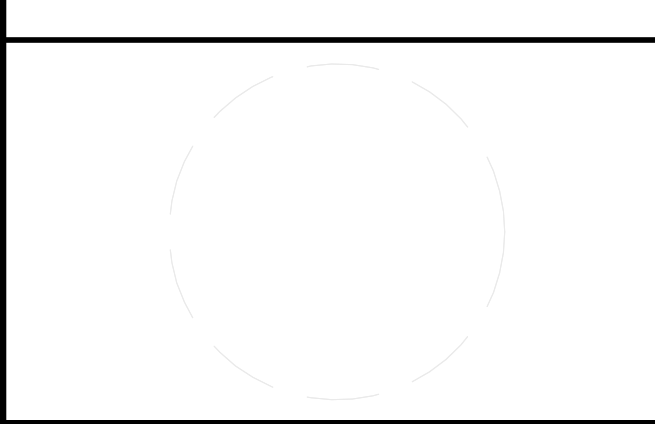
### GENERAL SHEET NOTES

- Y CONTAINER. CONTAINER HERE HAS GOT TWO MEANINGS. ONE STANDS UP FOR A LARGE METAL BOX OF A STANDARD DESIGN AND SIZE USED FOR THE TRANSPORTATION OF GOODS BY ROAD, RAIL, SEA, OR AIR. THERE ARE 11978 MILES FROM SHANGHAI TO WASHINGTON RESULTS 33 DAYS FOR THE TRANSPORTATION, WHICH CONTAINERS PROVIDE EASIER WAY. FURTHERMORE, THE CONTAINERS IN OUR HOUSE COME FROM THE DISUSED CONTAINERS IN THE WHARF.
- ALSO, CONTAINER MEANS AN OBJECT THAT CAN BE USED TO HOLD SOMETHING. THE PV PANELS ON THE ROOF GENERATE THE ENERGY COVERING ALL THE ELECTRIC CONSUMPTION FOR THE HOUSEHOLD ELECTRICAL APPLIANCES. THE EXTERIOR DECK IS MADE OF SEVERAL TRIANGULAR COMPONENTS. PARTS OF TRIANGULAR COMPONENTS ARE SERVED AS THE RAINWATER COLLECTION SYSTEM THAT PROVIDES THE WATER FOR LIFE. IN SHORT, Y CONTAINER IS A BOX ABSORBING THE SOLAR ENERGY. THE RAIN FROM THE NATURAL EVENTUALLY CONTRIBUTES TO THE BETTER LIFE IN THE FUTURE.

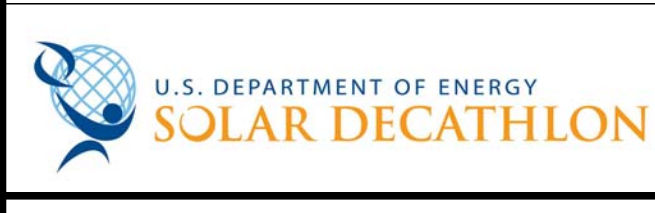


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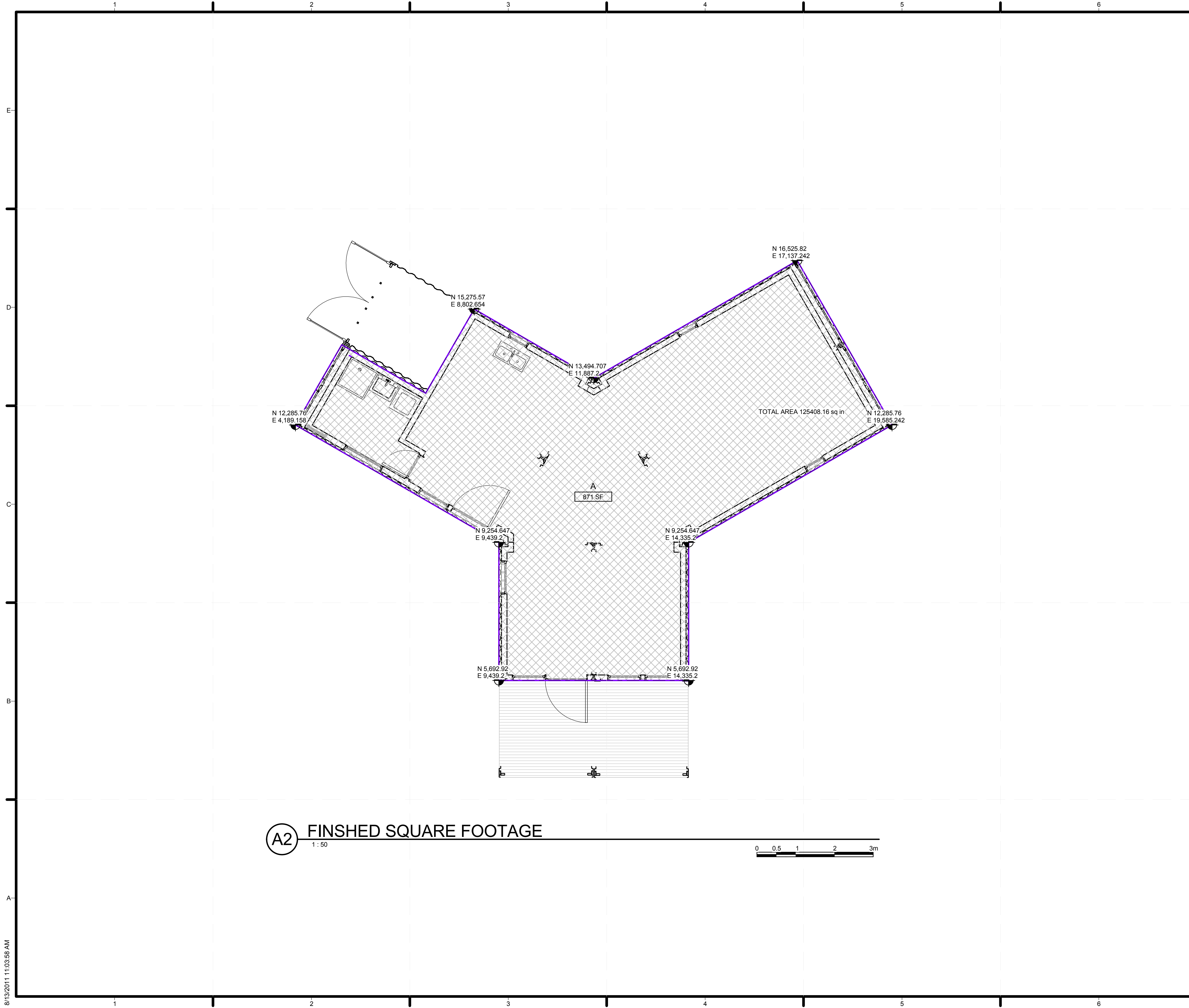


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SHEET TITLE  
**TABLE OF CONTENTS**

**G-001**



**GENERAL SHEET NOTES**

1. THE FINISHED AREA OF THE HOUSE HAS BEEN CALCULATED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARD FOR SINGLE-FAMILY RESIDENTIAL BUILDINGS Z765-2003.
2. FINISHED SQUARE FOOTAGE CALCULATIONS FOR THIS HOUSE WERE MADE BASED ON PLAN DIMENSIONS ONLY AND MAY VARY FROM THE FINISHED SQUARE FOOTAGE OF THE HOUSE AS BUILT.
3. ALL MEASUREMENTS ARE ROUNDED TO THE NEAREST WHOLE SQUARE FOOT IN ACCORDANCE WITH ANSI Z765-2003.
4. TOTAL AREA OF HOME CALCULATED ACCORDING TO ANSI Z765-2003 IS 752 SQUARE FEET WHICH IS COMPLIANT WITH RULE 6-2: FINISHED SQUARE FOOTAGE. THE AREA IS BETWEEN 600 SQUARE FEET AND 1000 SQUARE FEET.

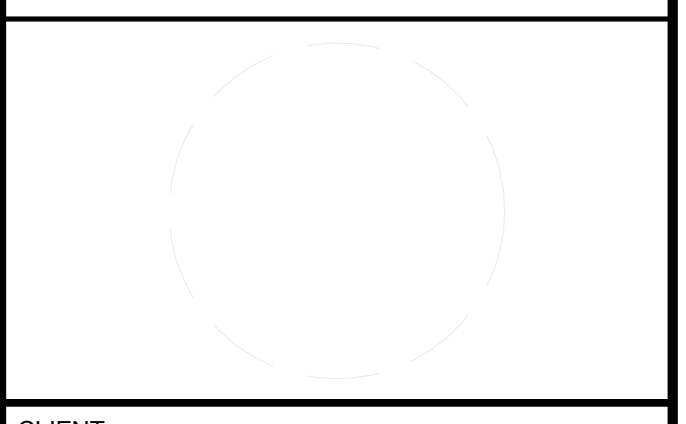
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**SHEET KEYNOTES**



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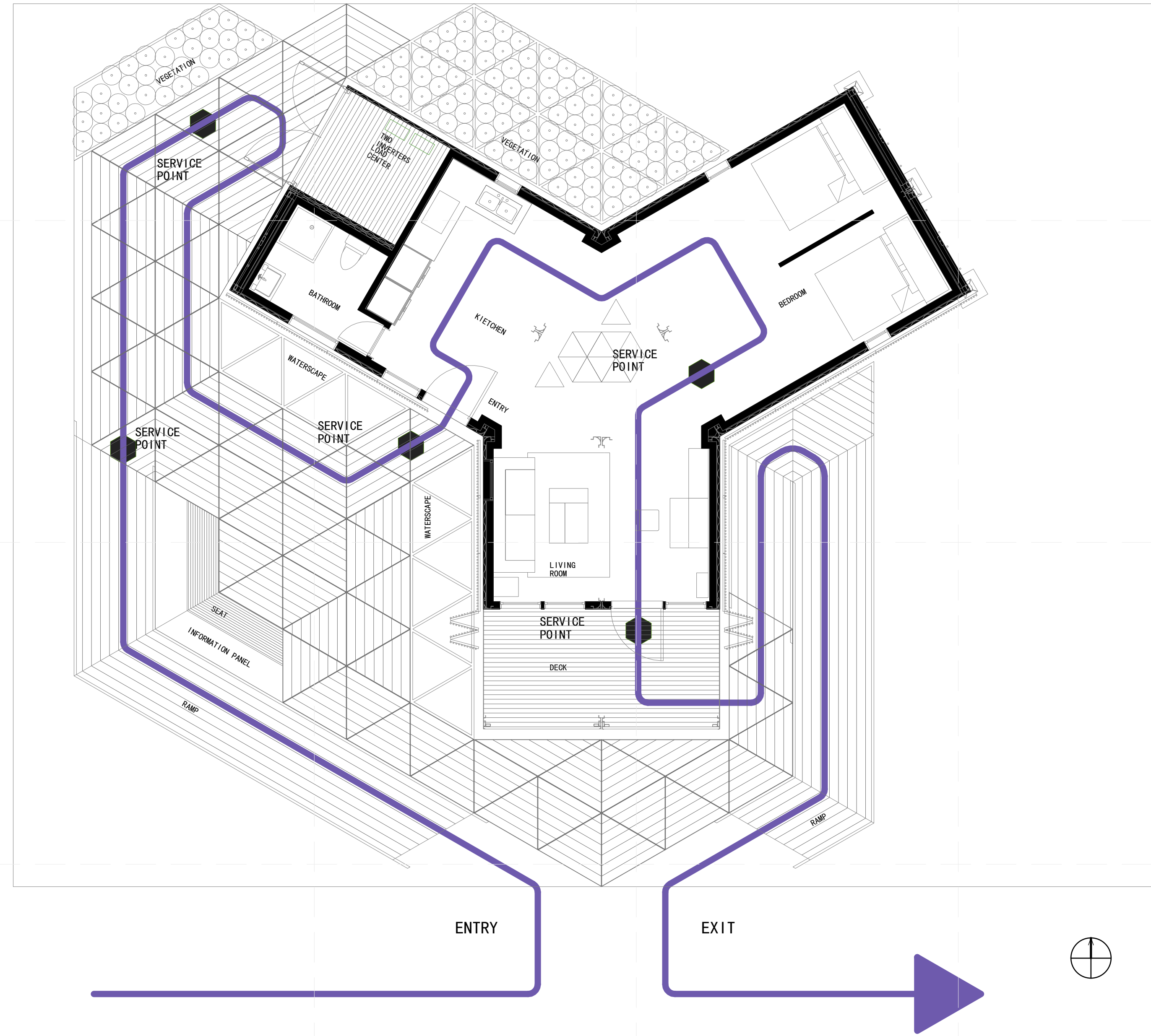
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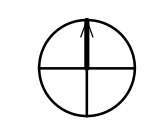
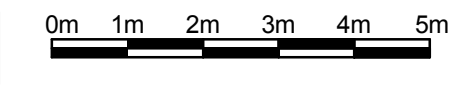
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**G-101**

8/13/2011 11:03:58 AM



**A1** EGRESS PLAN  
1:100

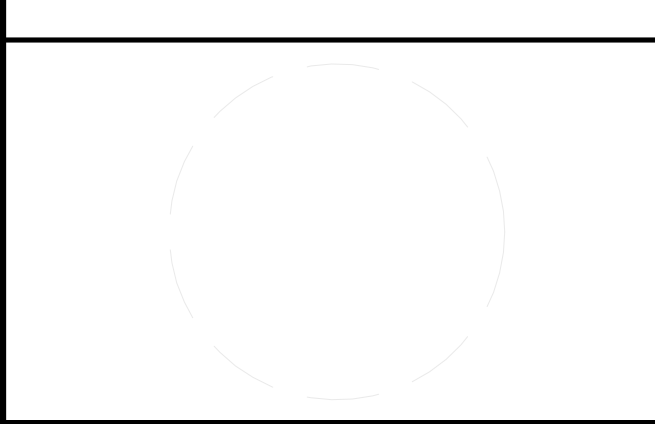


GENERAL SHEET NOTES		
REFERENCE KEYNOTES		
SHEET KEYNOTES		



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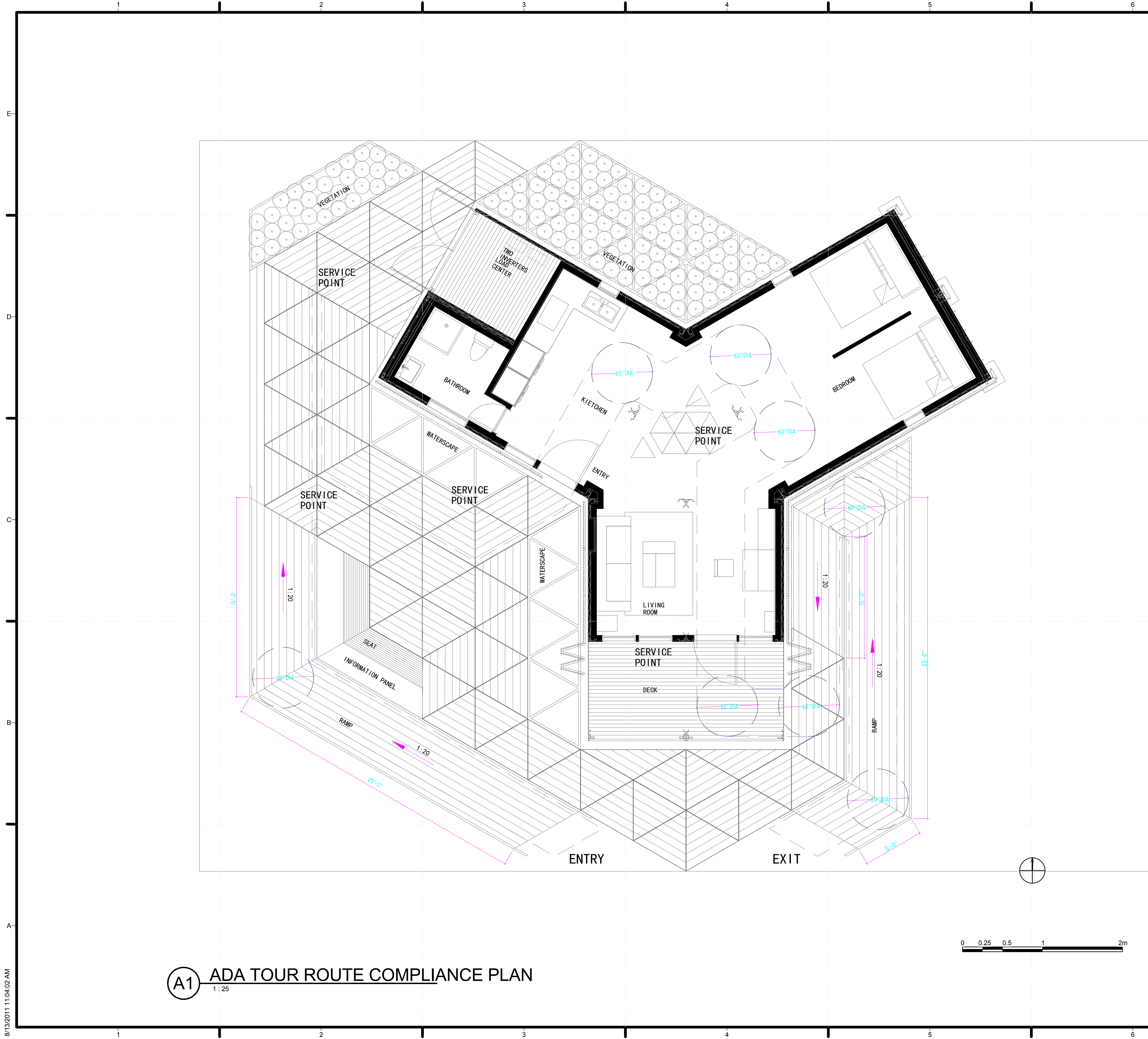



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SHEET TITLE  
 EGRESS PLAN

**G-102**



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

PROJECT LOGO

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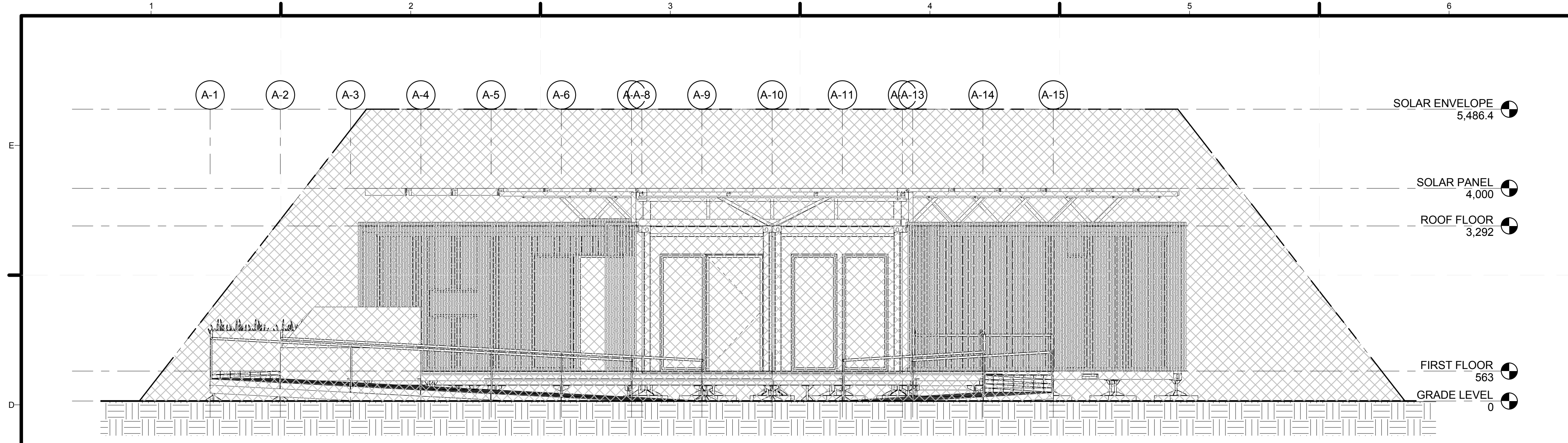
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 ADA TOUR ROUTE COMPLIANCE PLAN

G-103

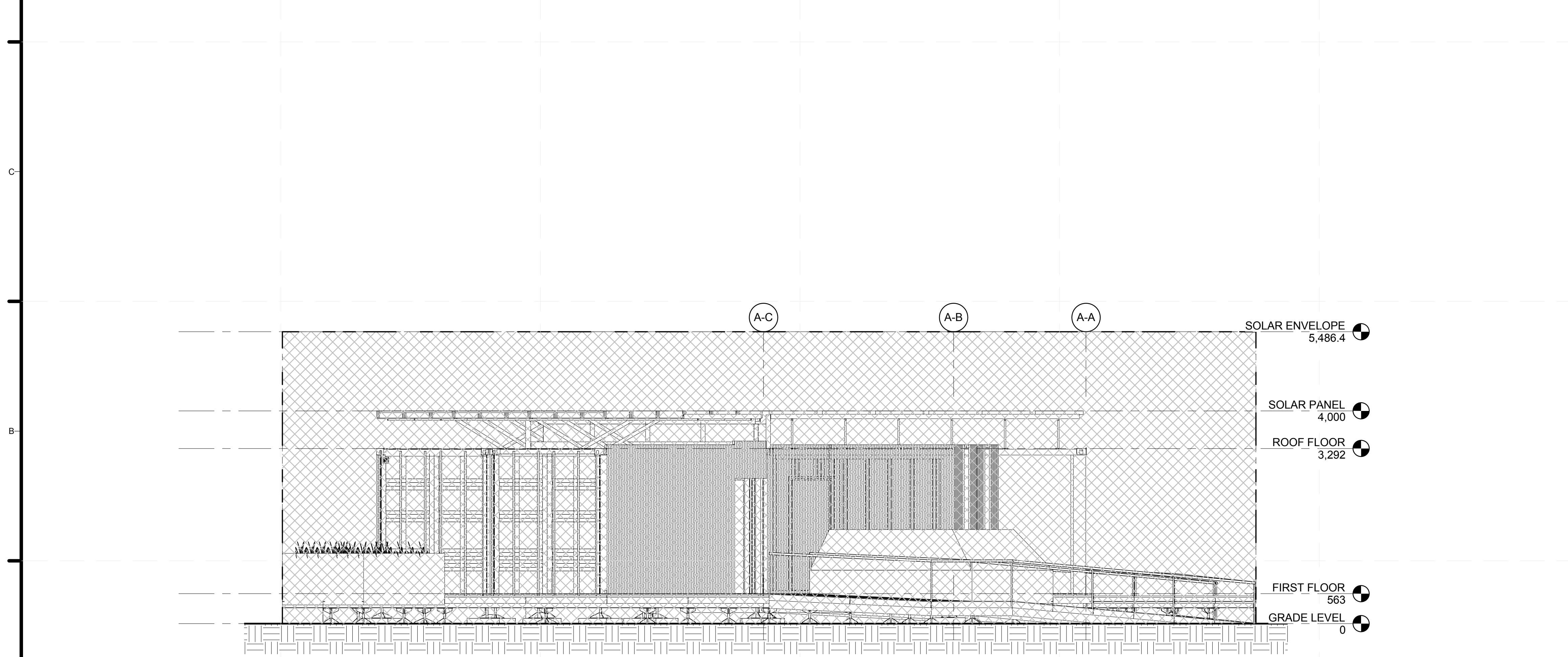
A1 ADA TOUR ROUTE COMPLIANCE PLAN  
 1:25



8/13/2011 11:04:02 AM



**D1 SOUTH-NORTH ENVELOPE CHECK**  
1:48

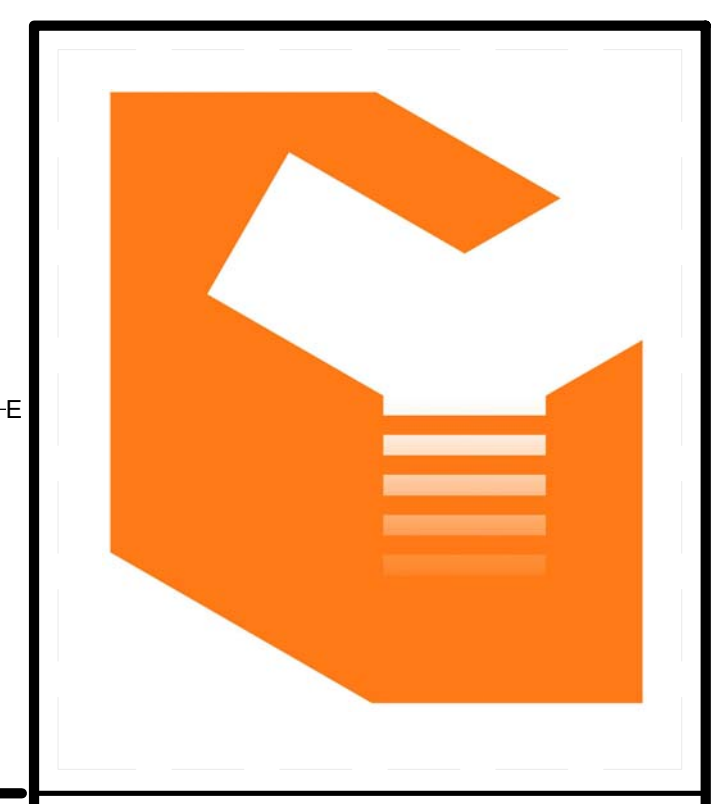


**A1 WEST SITE ELEVATION**  
1:48

**GENERAL SHEET NOTES**

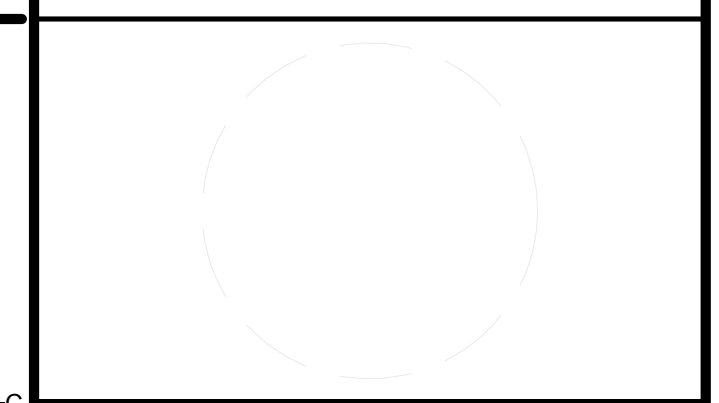
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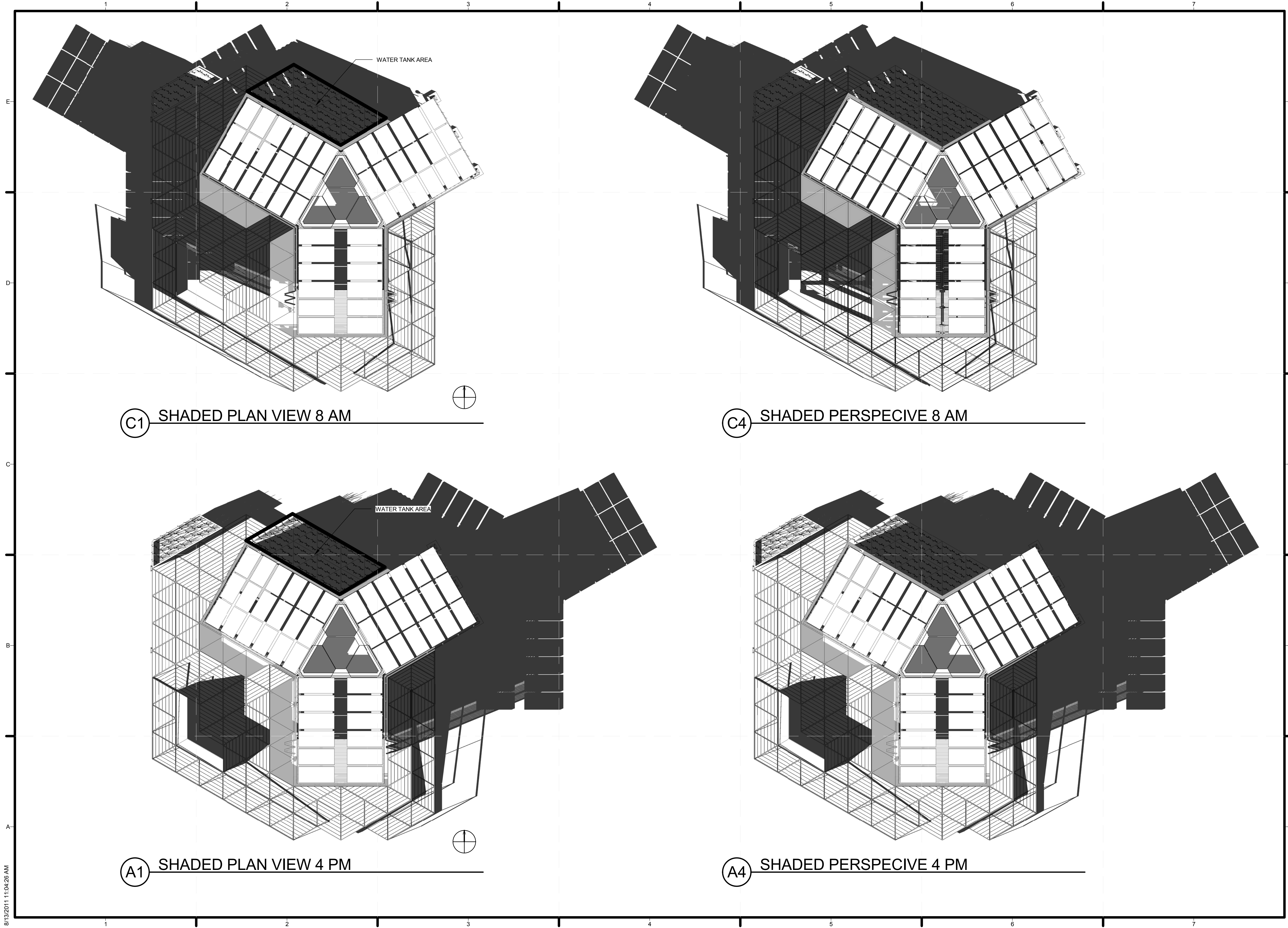


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SHEET TITLE  
**SOLAR ENVELOPE COMPLIANCE ELEVATIONS**

**G-201**



C1 SHADED PLAN VIEW 8 AM

C4 SHADED PERSPECIVE 8 AM

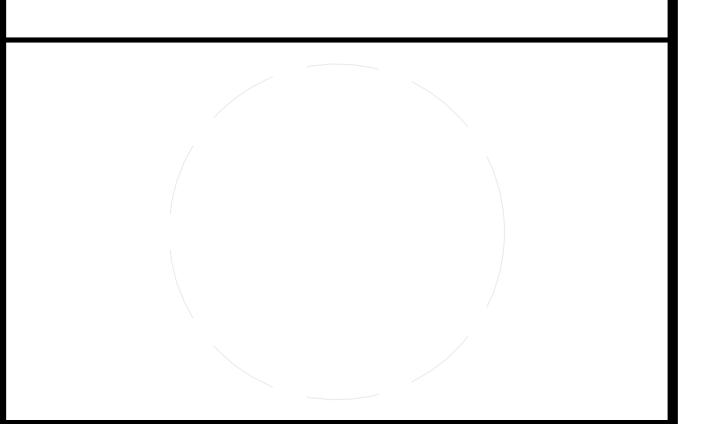
A1 SHADED PLAN VIEW 4 PM

A4 SHADED PERSPECIVE 4 PM



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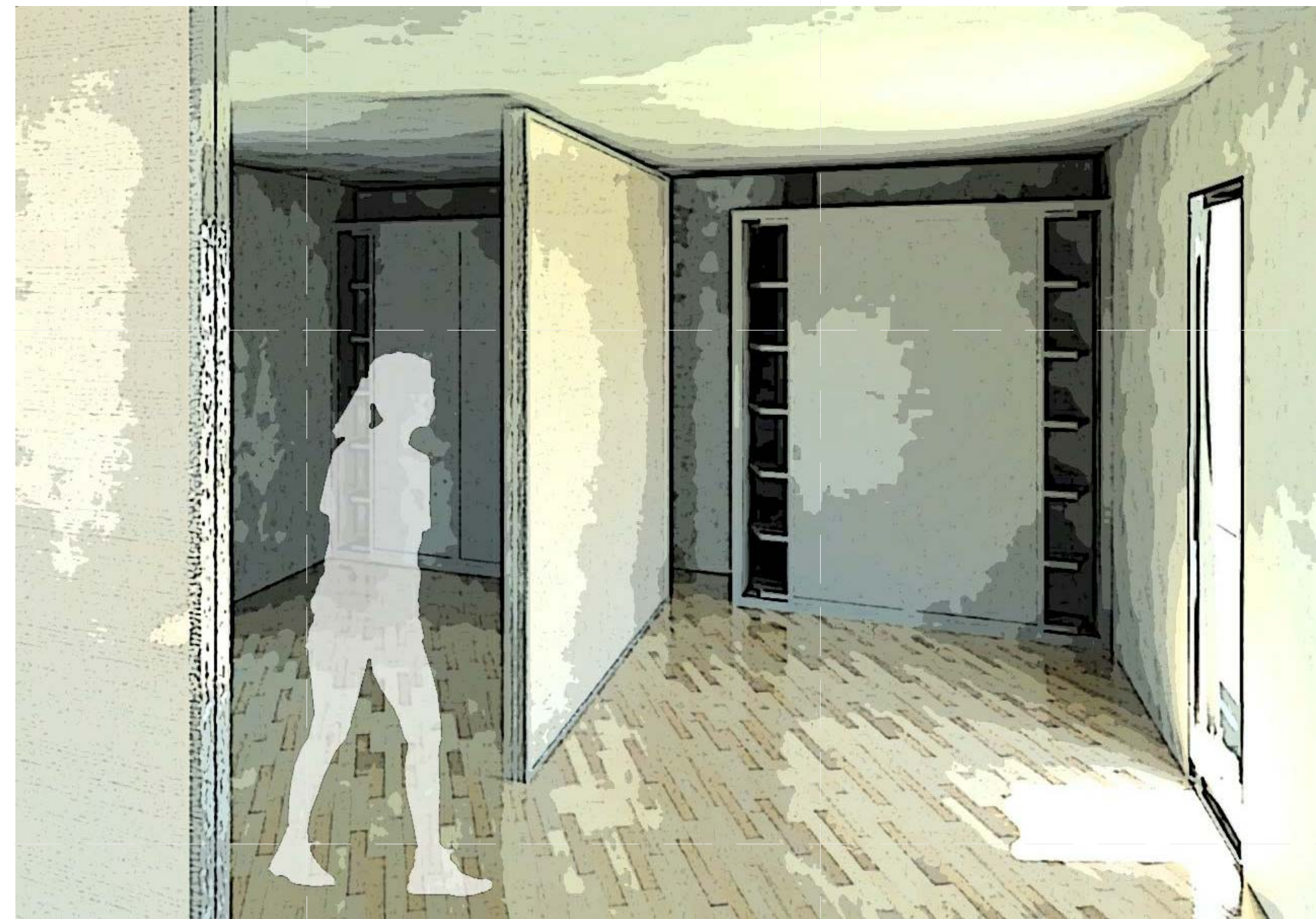
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SHEET TITLE  
 SHADING DIAGRAMS

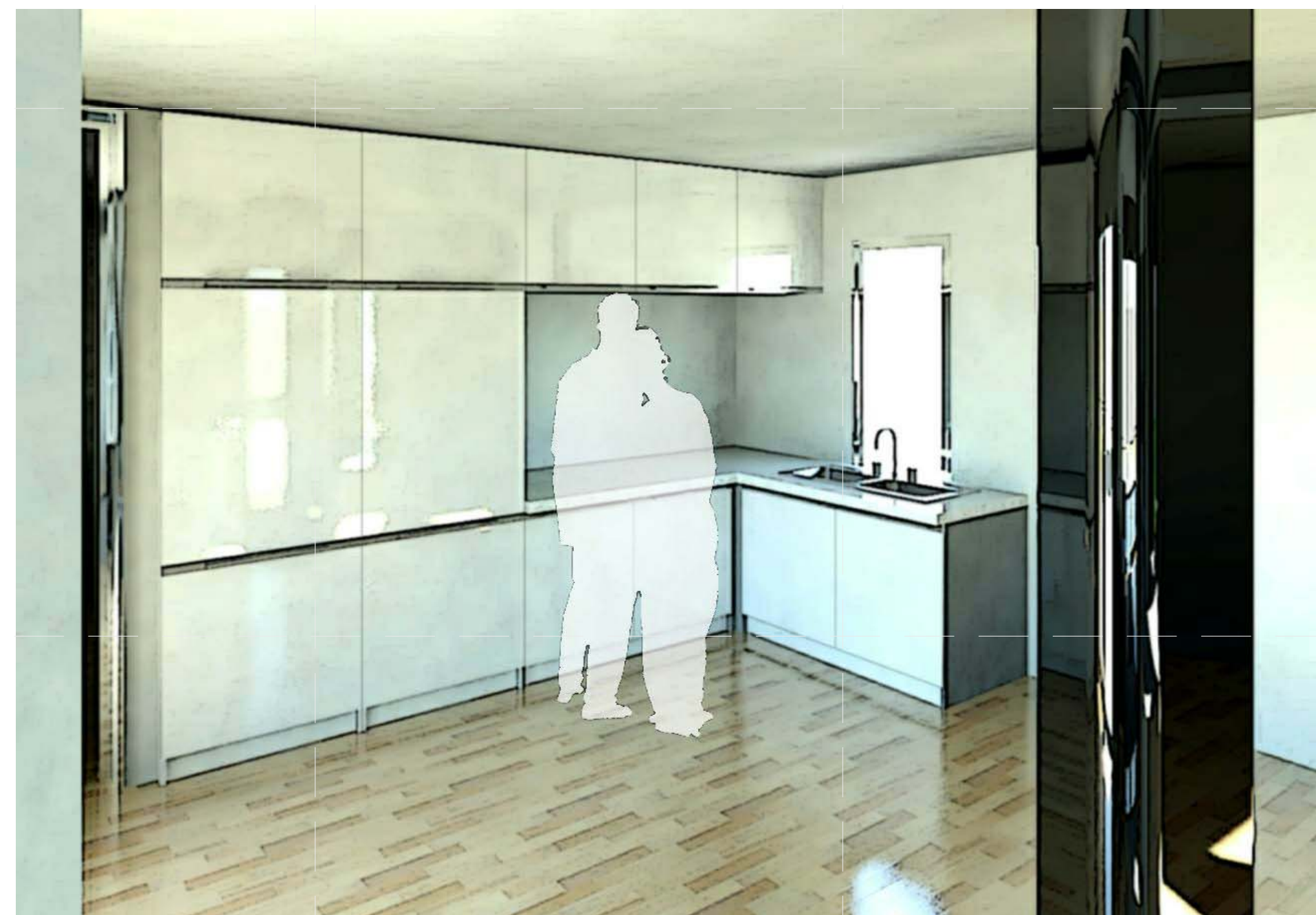
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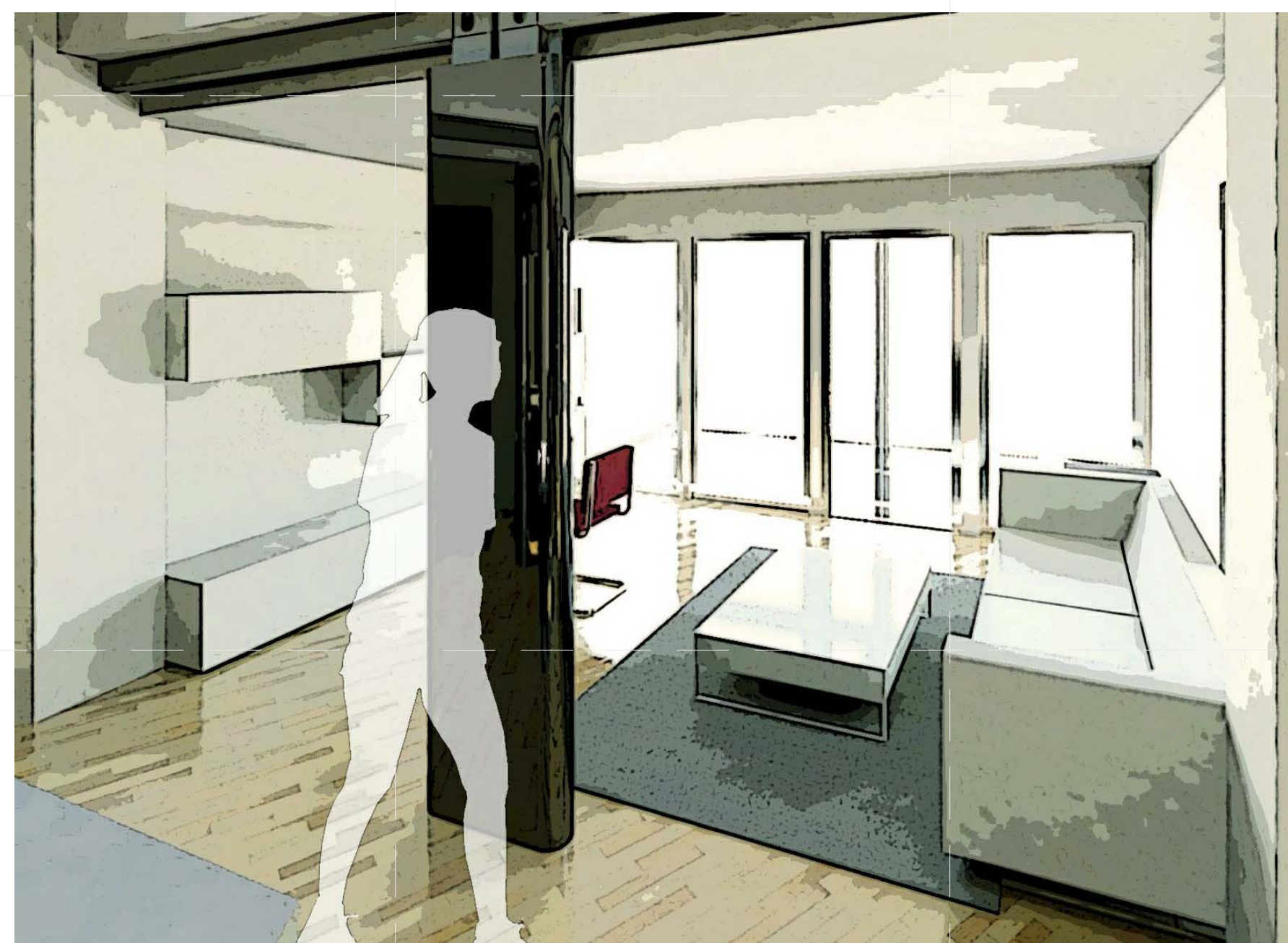
C1 INTERIOR RENDERINGS 1  
1:1



C4 INTERIOR RENDERINGS 2  
1:1



A1 INTERIOR RENDERINGS 3  
1:1



A4 INTERIOR RENDERINGS 4  
1:1

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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SHEET TITLE  
 GENERAL PROJECT RENDERINGS

G-901



**(A1)** GENERAL PROJECT RENDERINGS  
1:1

8/13/2011 11:04:31 AM

**GENERAL SHEET NOTES**

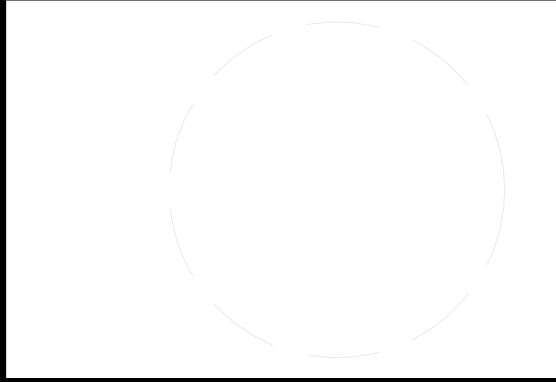
**REFERENCE KEYNOTES**

**SHEET KEYNOTES**



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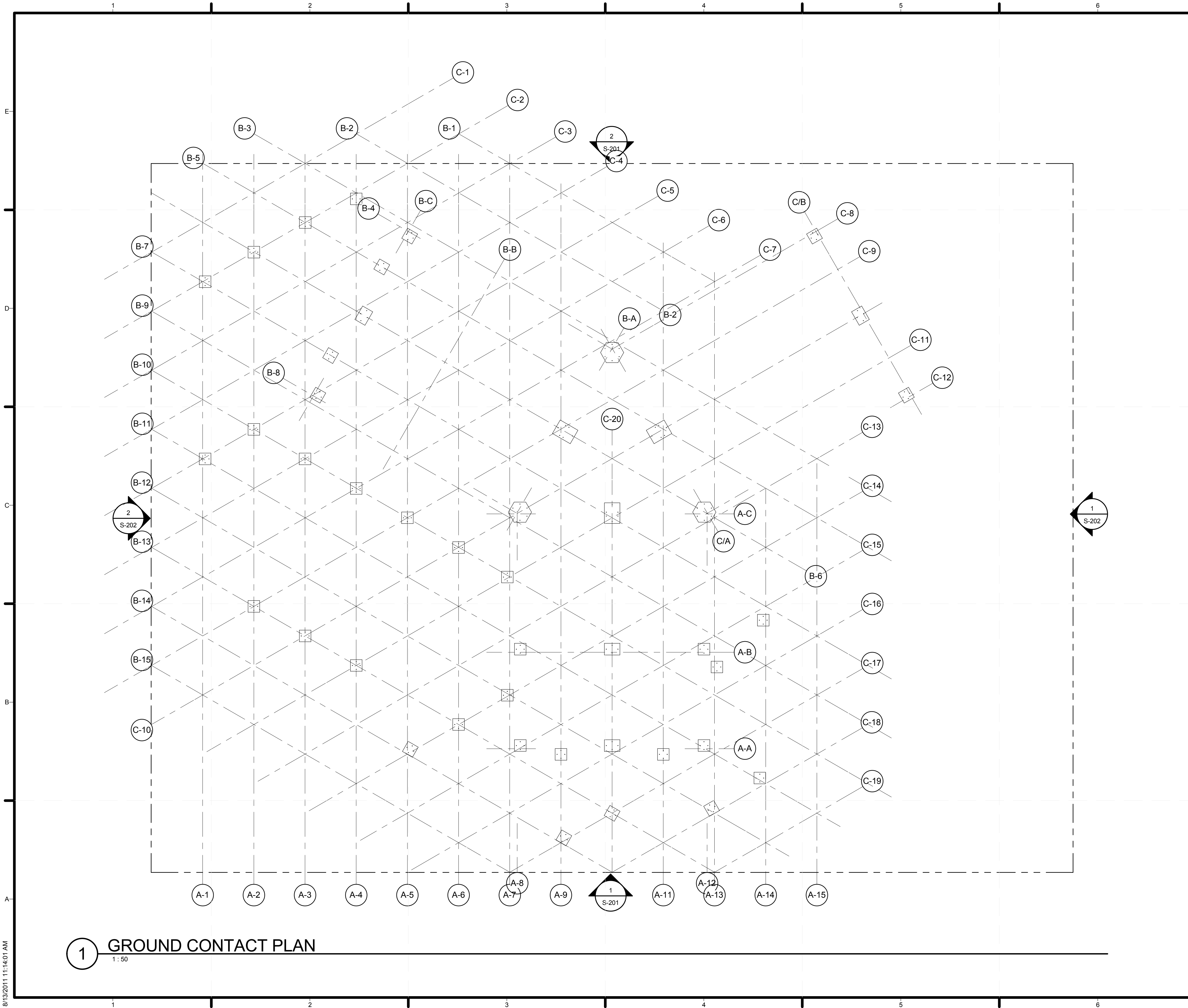
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**SHEET TITLE**

GENERAL PROJECT RENDERINGS

**G-902**





GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

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TEAM NAME: TEAM TEMPLATE  
ADDRESS: ADDRESS LINE 1  
ADDRESS LINE 2  
ADDRESS LINE 3  
CONTACT: INFO@SOLARDECATHLON.GOV  
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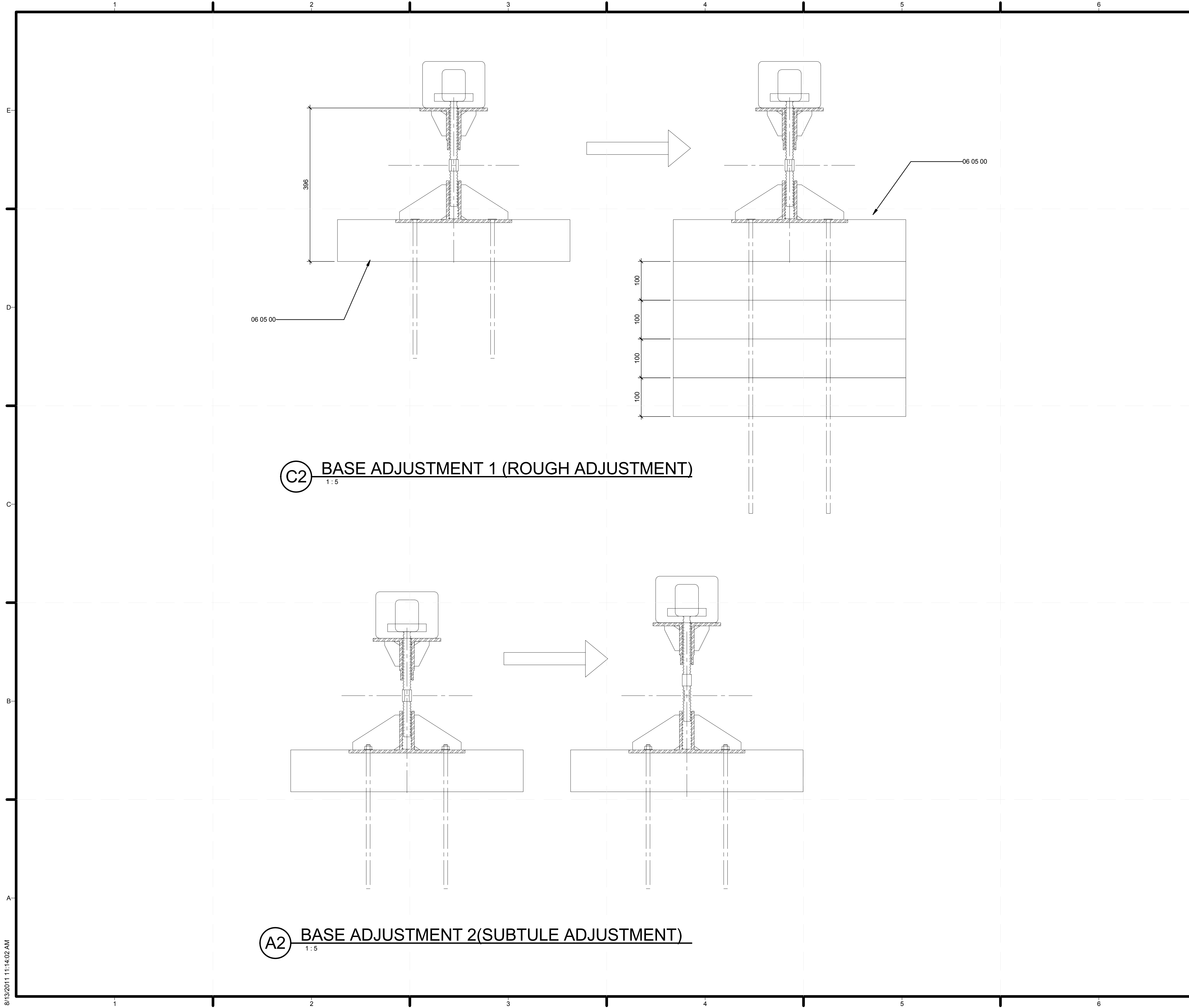
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SHEET TITLE  
GROUND CONTACT PLAN

C-101

1 GROUND CONTACT PLAN  
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GENERAL SHEET NOTES

REFERENCE KEYNOTES

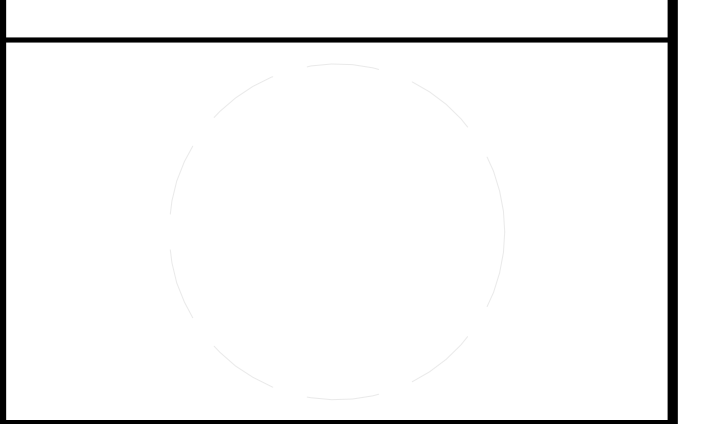
06 05 00 COMMON WORK RESULTS FOR WOOD, PLASTICS, AND COMPOSITES

SHEET KEYNOTES

PROJECT LOGO

TEAM NAME: TEAM TEMPLATE  
 ADDRESS: ADDRESS LINE 1  
 ADDRESS LINE 2  
 ADDRESS LINE 3  
 CONTACT: INFO@SOLARDECATHLON.GOV  
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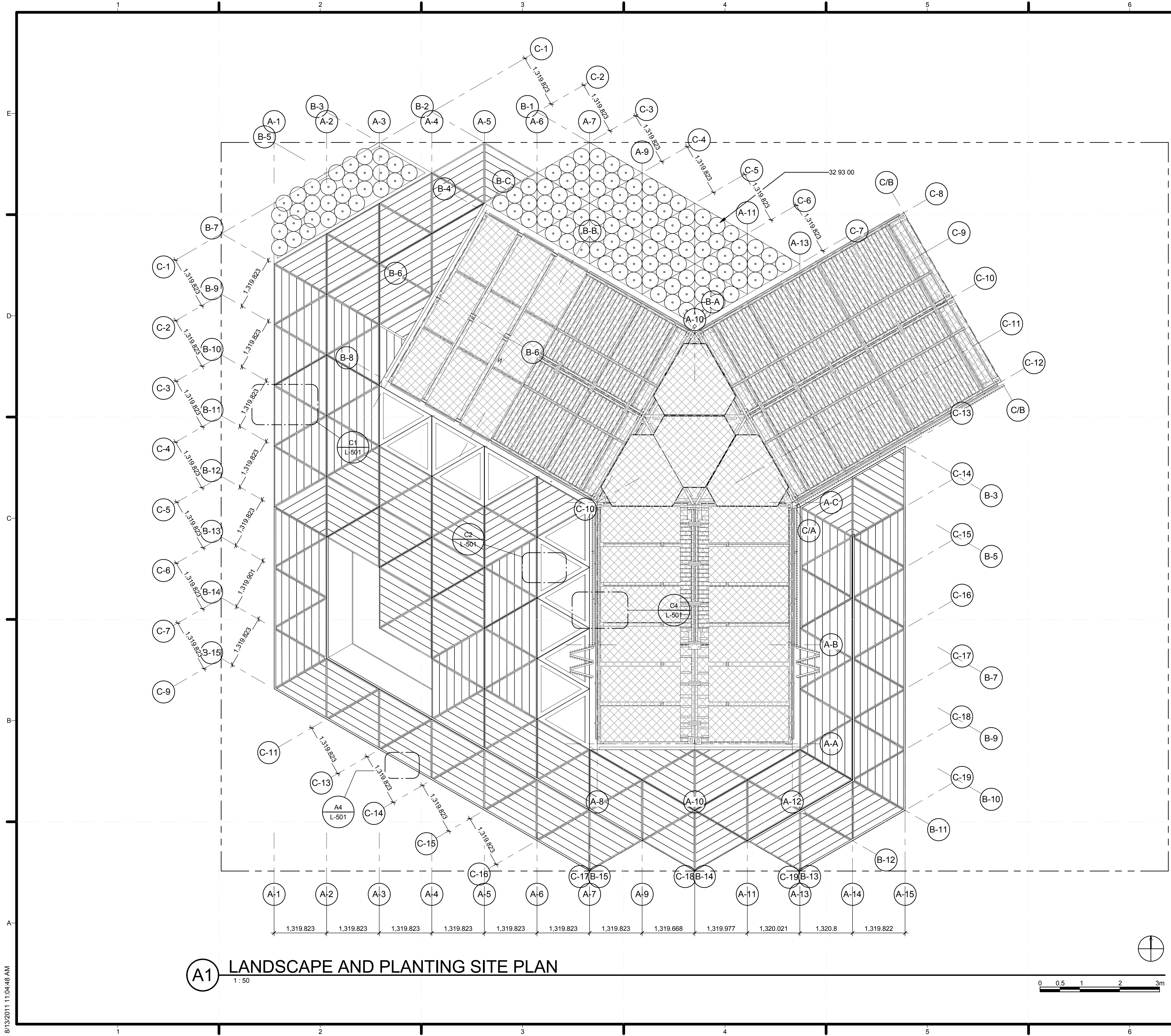


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SHEET TITLE  
**LOT CONDITION ADJUSTMENT DETAILS**

**C-501**



**A1** LANDSCAPE AND PLANTING SITE PLAN  
1:50



**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

32 93 00 PLANTS

**SHEET KEYNOTES**



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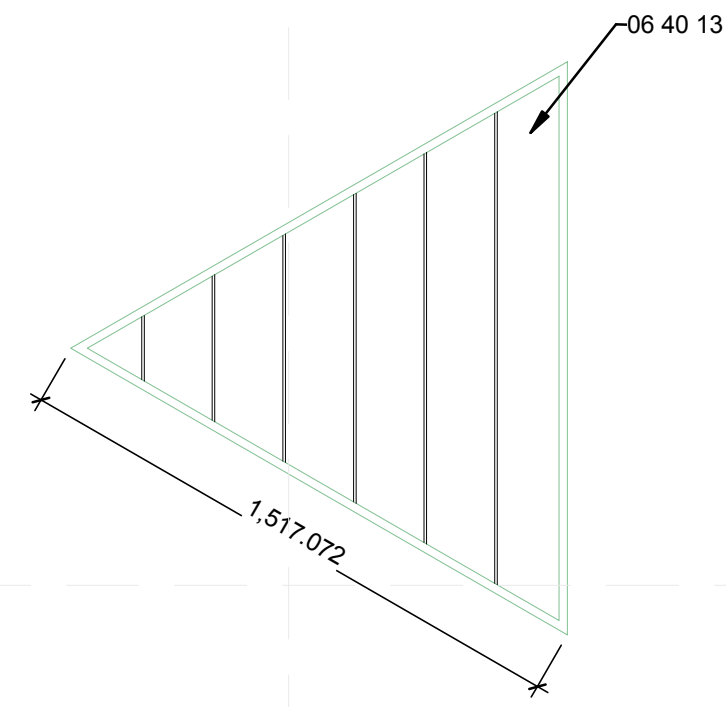


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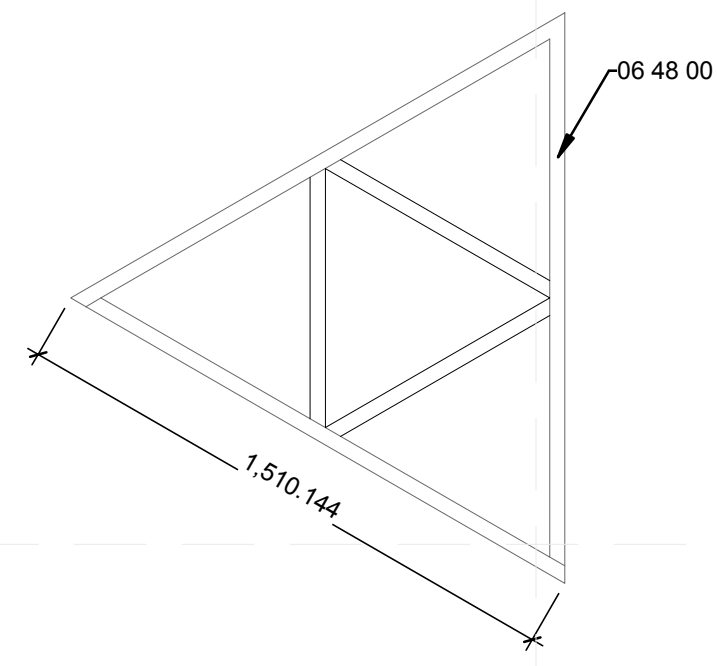
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**L-101**

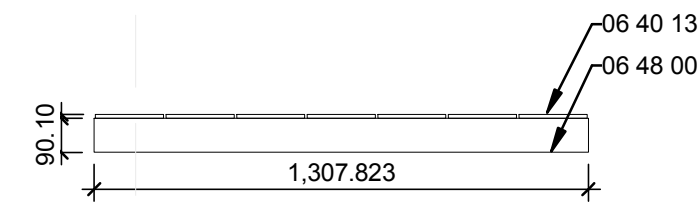
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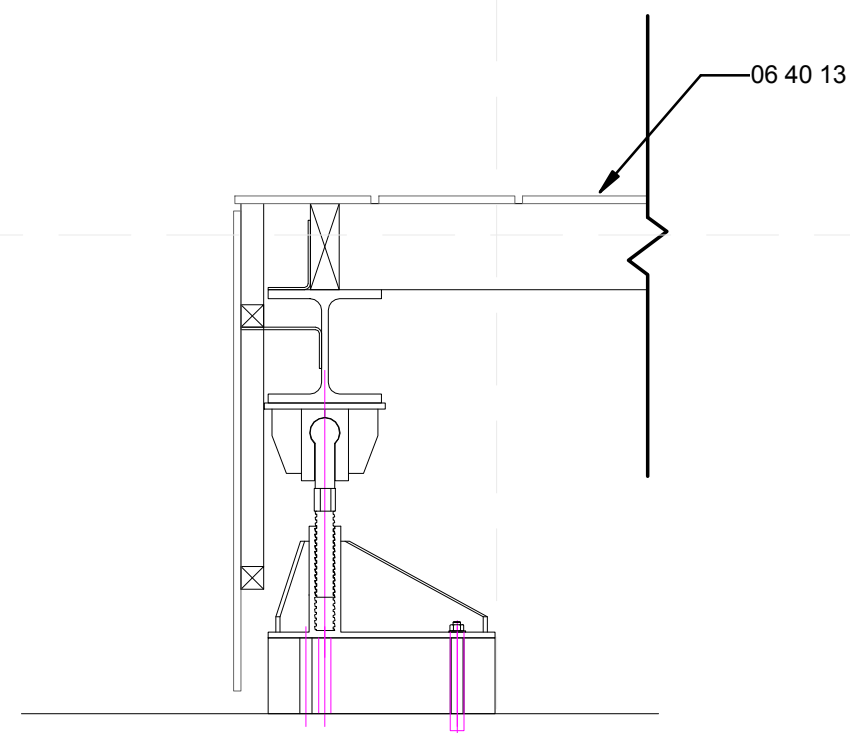
**D1 DECK MODULE PLAN**  
1:20  
0 50 100 200mm



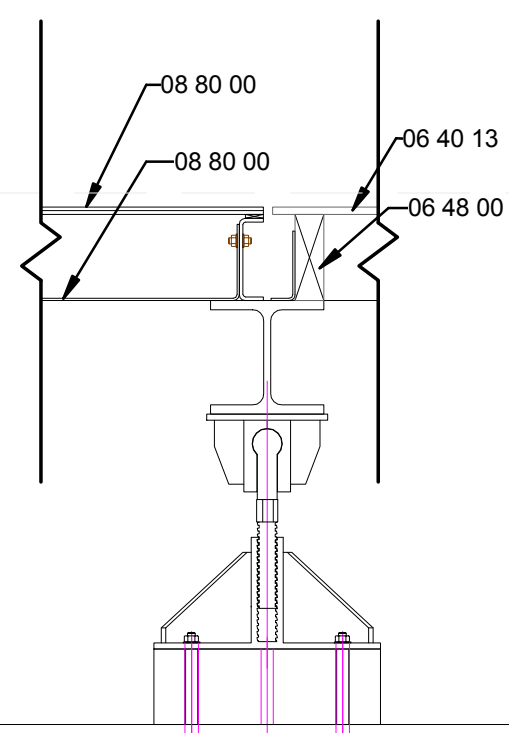
**D3 DECK MODULE FRAMING**  
1:20  
0 50 100 200mm



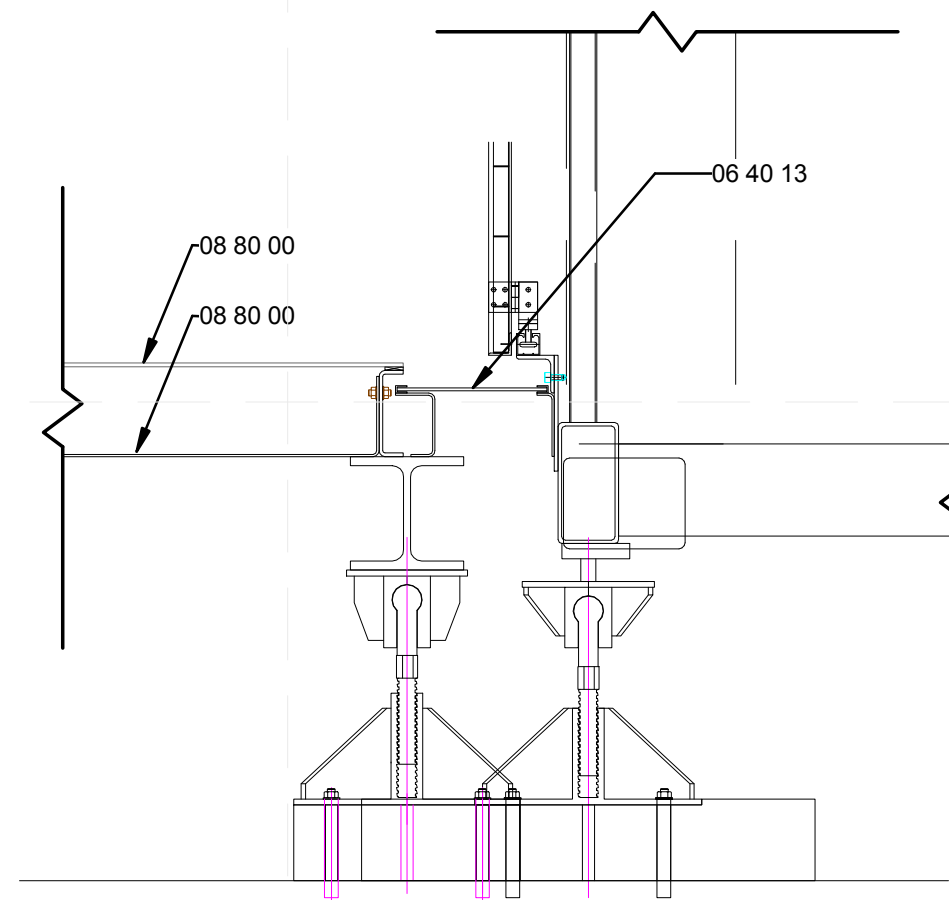
**D4 DECK MODULE ELEVATION**  
1:20  
0 50 100 200mm



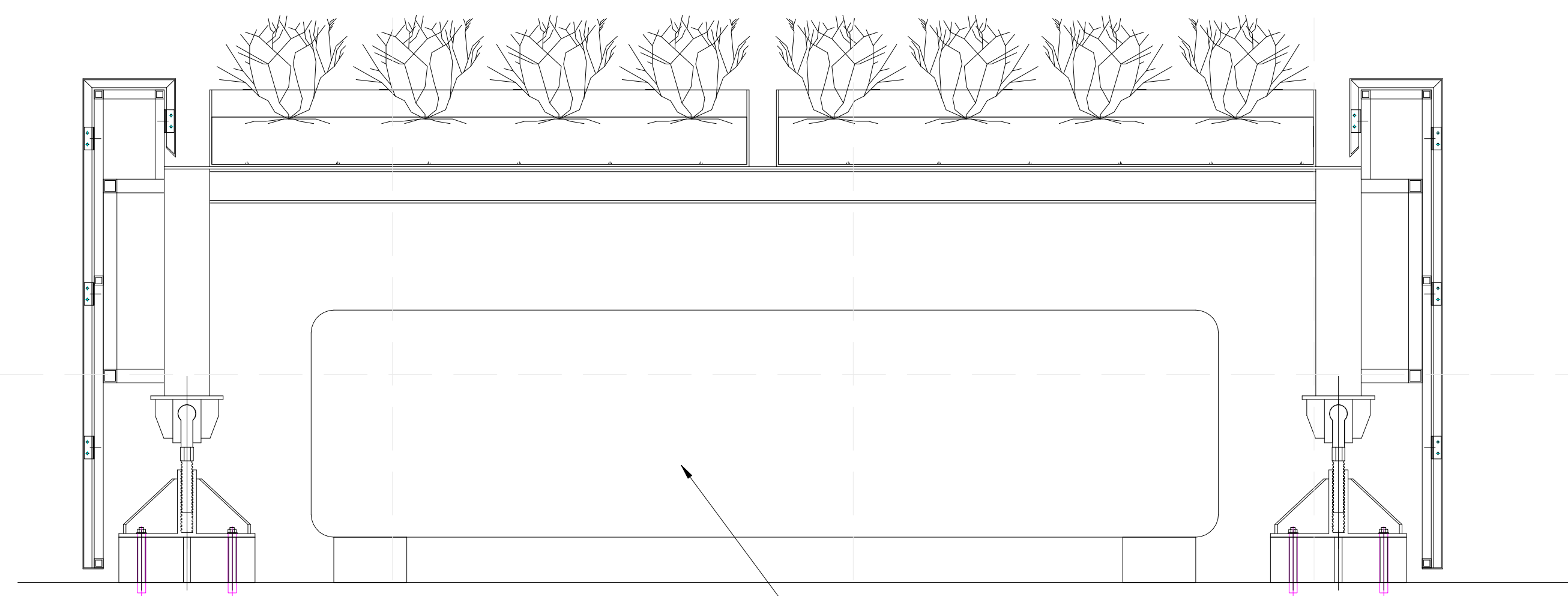
**C1 DECK SECTION REGULAR**  
1:10  
0 100 200 500mm



**C2 DECK SECTION 1**  
1:10  
0 100 200 500mm

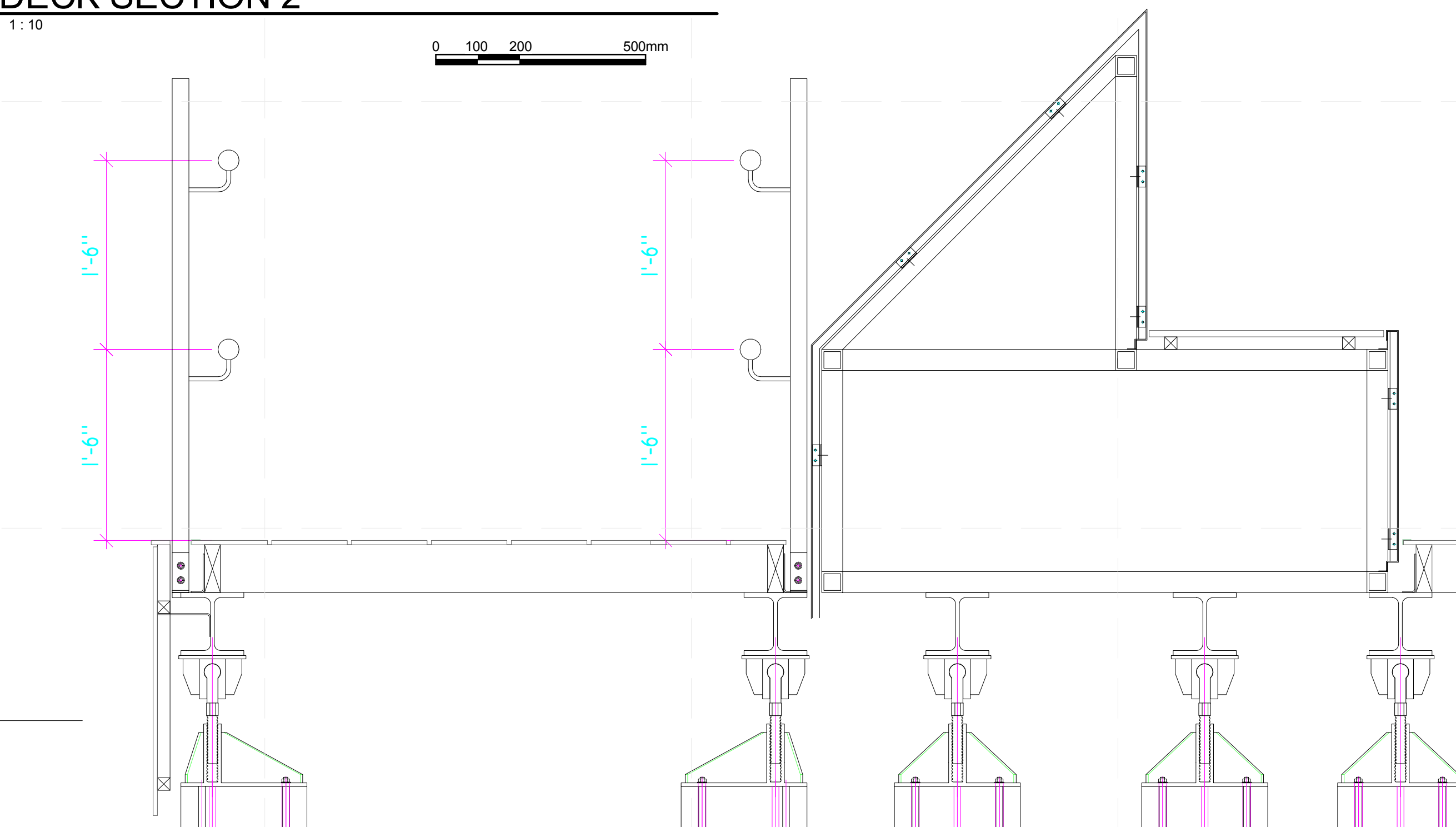


**C4 DECK SECTION 2**  
1:10  
0 100 200 500mm



**A1 DECK SECTION 3**  
1:10  
0 100 200 500mm

WATER TANK



**A4 RAMP SECTION DETAIL**  
1:10  
0 100 200 500mm

**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

06 40 13 EXTERIOR ARCHITECTURAL WOODWORK  
06 48 00 WOOD FRAMES  
08 80 00 GLAZING



TEAM NAME: TEAM CHINA  
ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
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**SHEET TITLE**

**LANDSCAPE DETAILS**

**L-501**



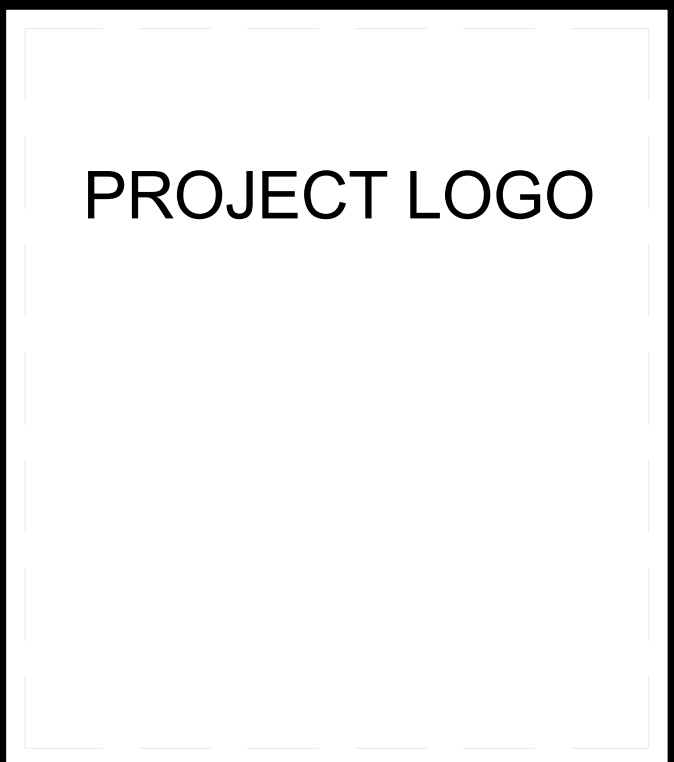
SHEET LIST	
SHT NO	SHEET NAME
C-101	GROUND CONTACT PLAN
C-501	LOT CONDITION ADJUSTMENT DETAILS
S-101	FOUNDATION PLAN
S-102	FIRST FLOOR FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-104	DECK FRAMING PLAN
S-001	STRUCTURAL NOTES AND SYMBOLS
S-201	FRAMING ELEVATIONS_1
S-301	FRAMING SECTIONS
S-701	TYPICAL DETAILS
S-531	ROOF DETAILS
S-901	FRAMING ISOMETRICS
S-202	FRAMING ELEVATIONS_2
S-702	TYPICAL DETAILS
S-703	TYPICAL DETAILS
S-704	FLOOR PLAN (CONTAINER ONLY)
S-601	COLOMN AND BEAM SCHEDULES
S-611	LOAD DIAGRAMS

**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

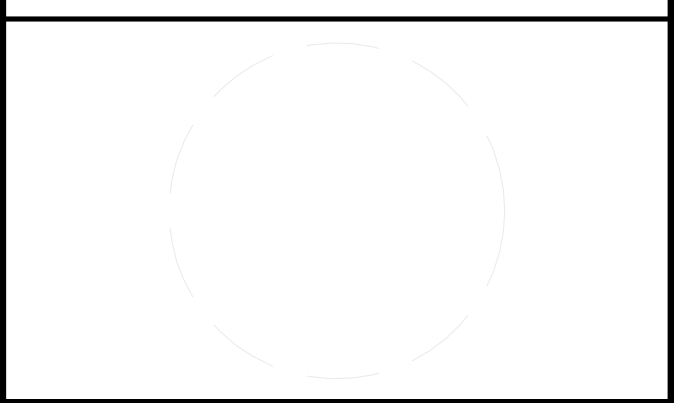
**SHEET KEYNOTES**

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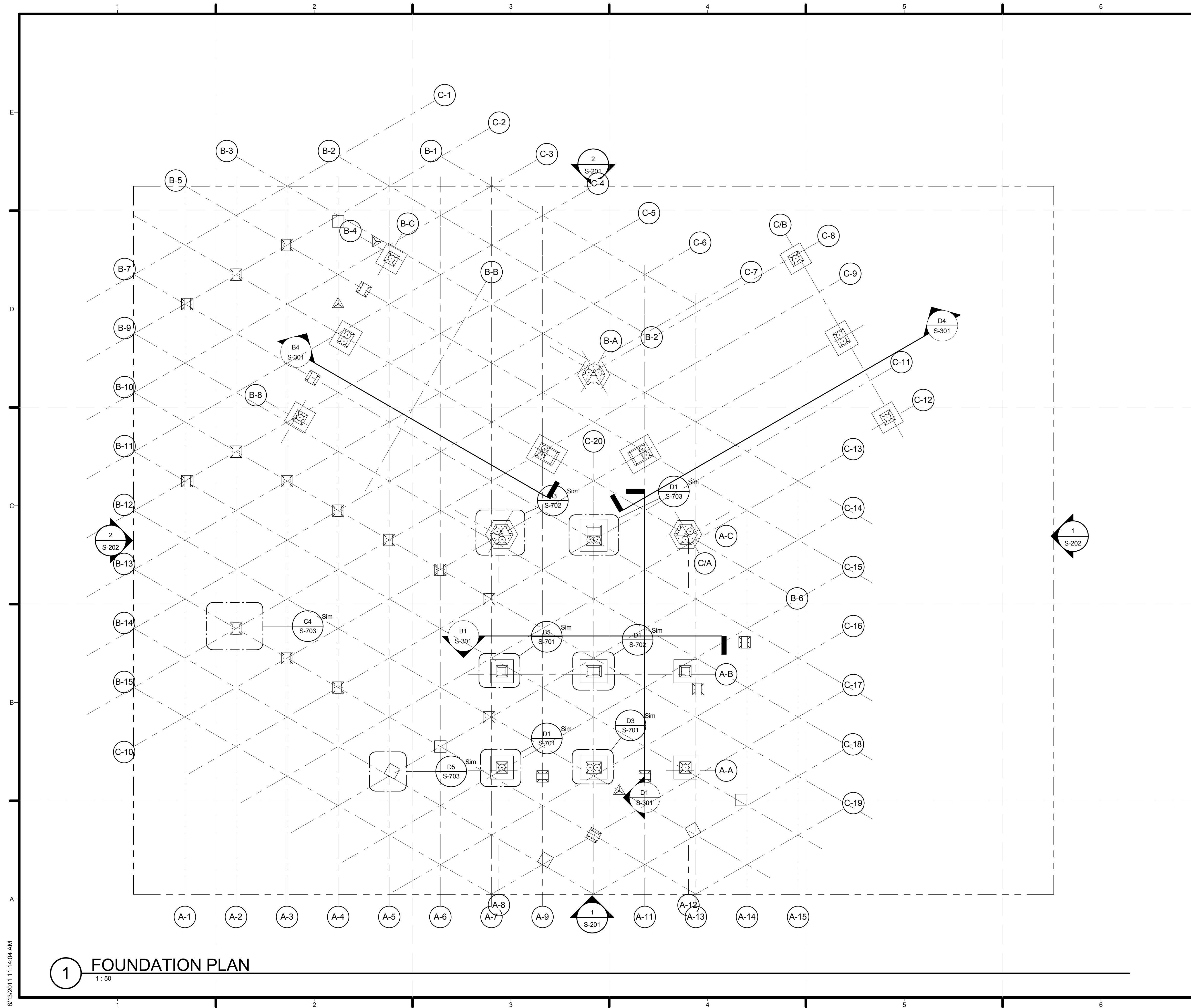
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**SHEET TITLE**  
**STRUCTURAL NOTES AND SYMBOLS**

**S-001**



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

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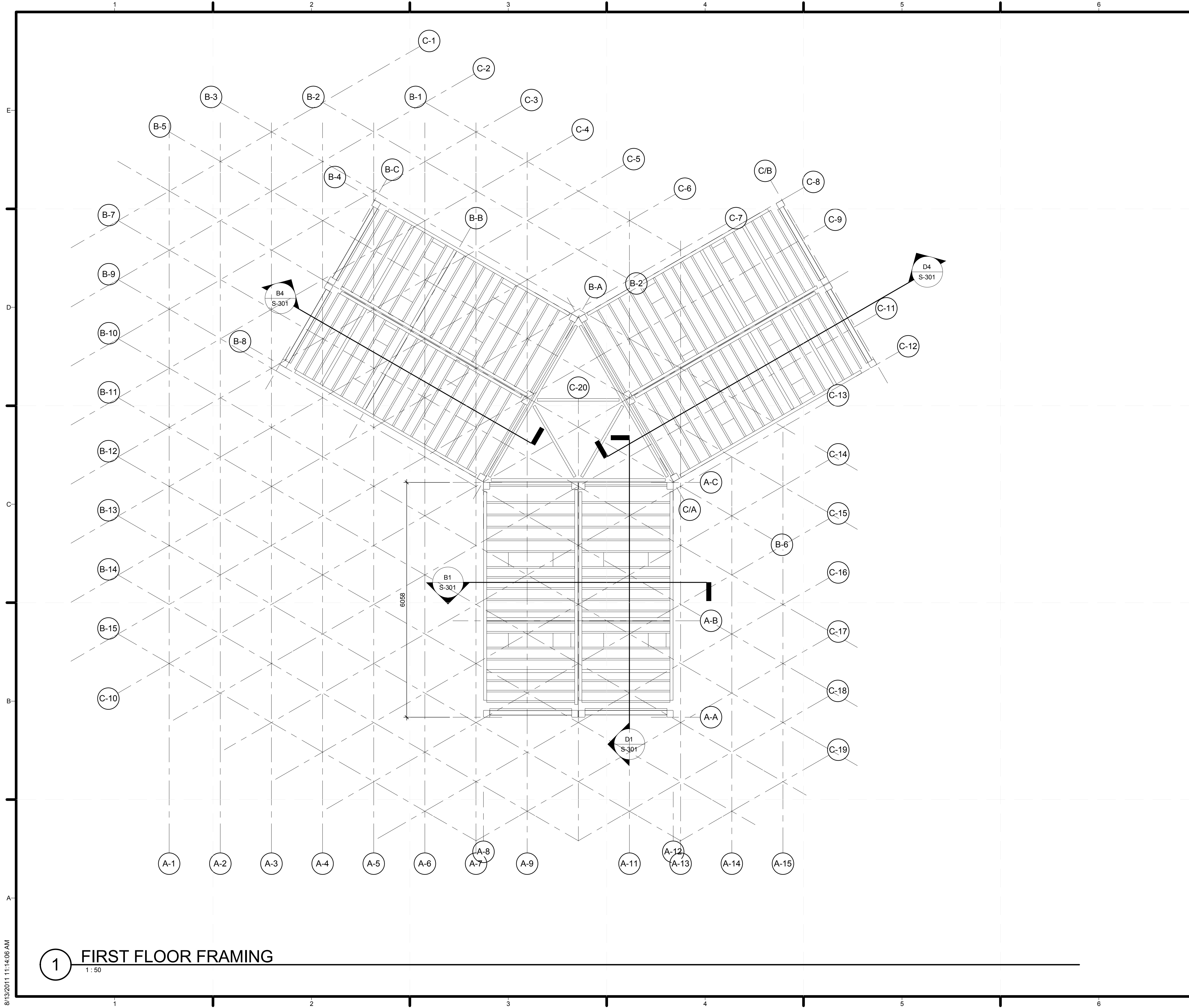
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SHEET TITLE  
**FOUNDATION PLAN**

**S-101**

**1 FOUNDATION PLAN**  
 1:50



1 FIRST FLOOR FRAMING

1:50

8/13/2011 11:14:06 AM

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

PROJECT LOGO

---

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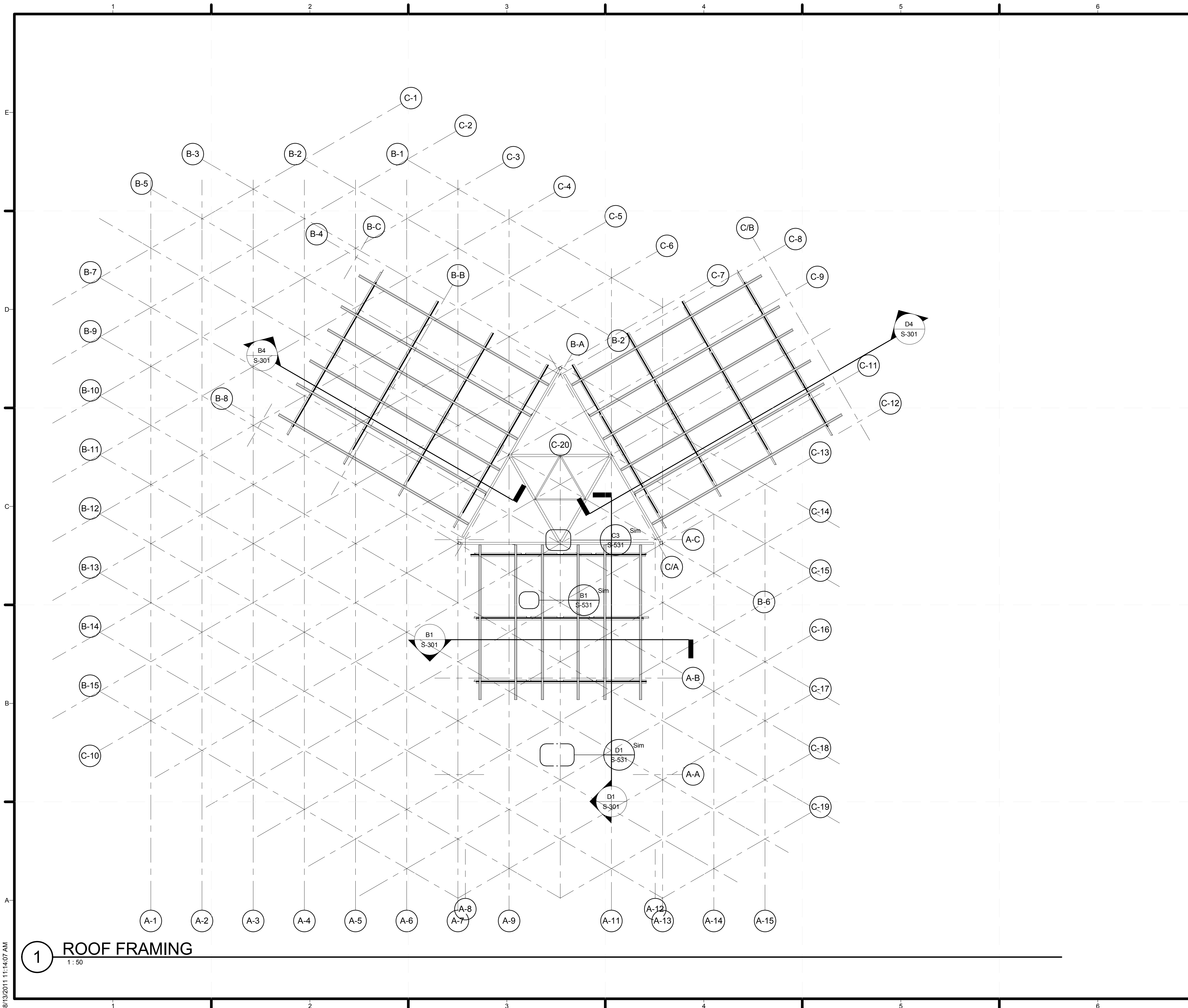
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SHEET TITLE

FIRST FLOOR FRAMING PLAN

---

S-102



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

PROJECT LOGO

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SHEET TITLE  
 ROOF FRAMING PLAN

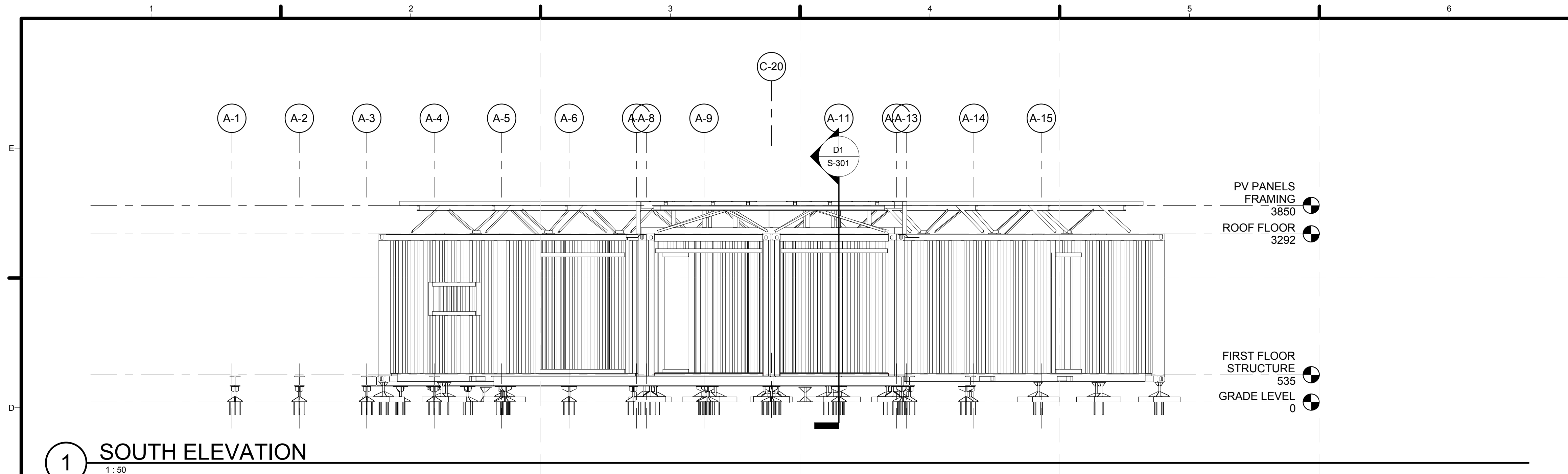
S-103

1 ROOF FRAMING  
 1:50

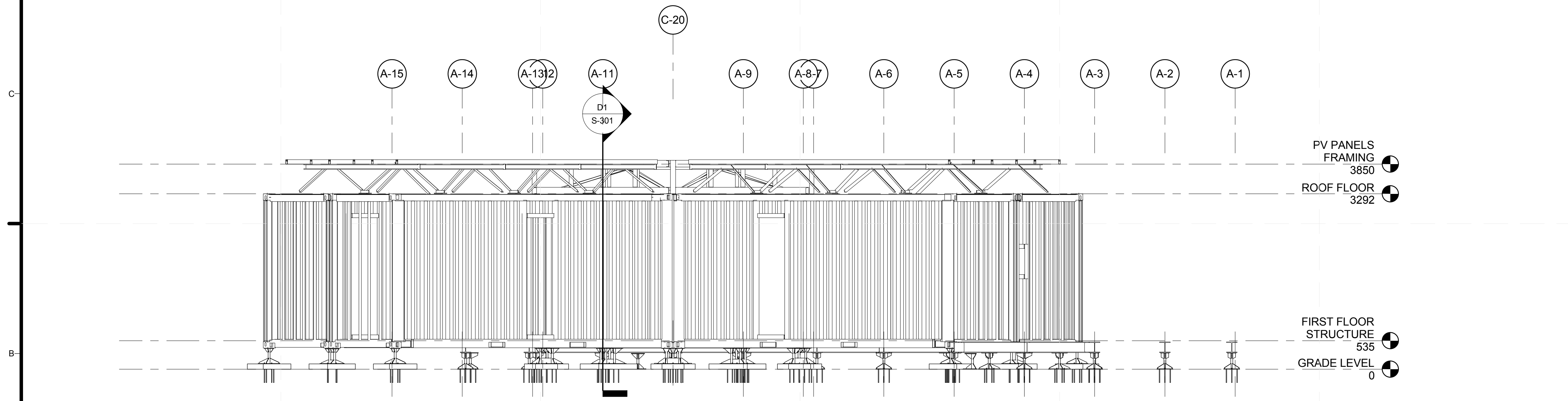
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1 SOUTH ELEVATION  
1:50



2 NORTH ELEVATION  
1:48

GENERAL SHEET NOTES

REFERENCE KEYNOTES

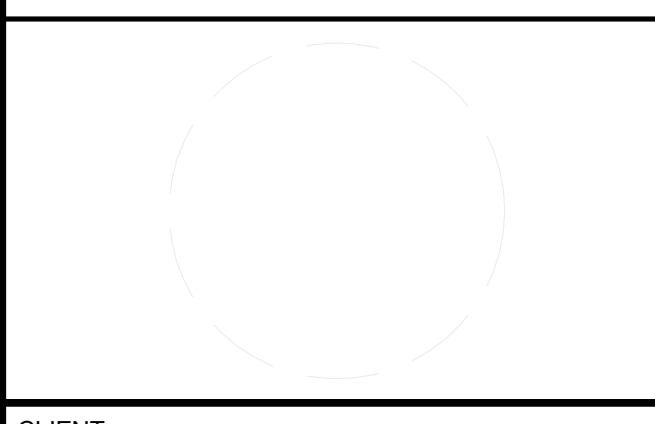
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SHEET TITLE

**FRAMING ELEVATIONS\_1**

**S-201**





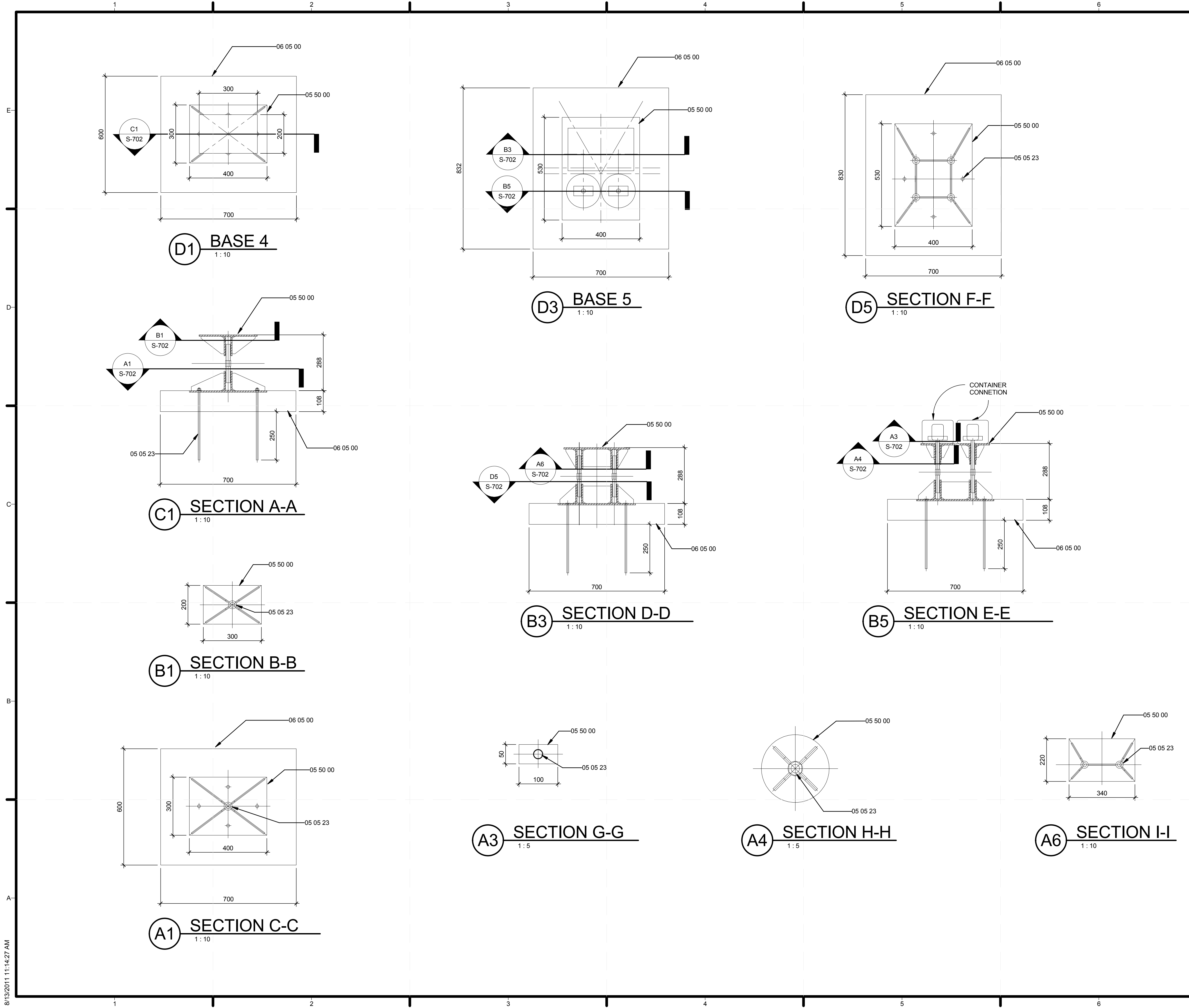












**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

05 05 23	METAL FASTENINGS
05 50 00	METAL FABRICATIONS
06 05 00	COMMON WORK RESULTS FOR WOOD, PLASTICS, AND COMPOSITES

**SHEET KEYNOTES**

MARK	DATE	DESCRIPTION

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**TYPICAL DETAILS**

**PROJECT LOGO**

---

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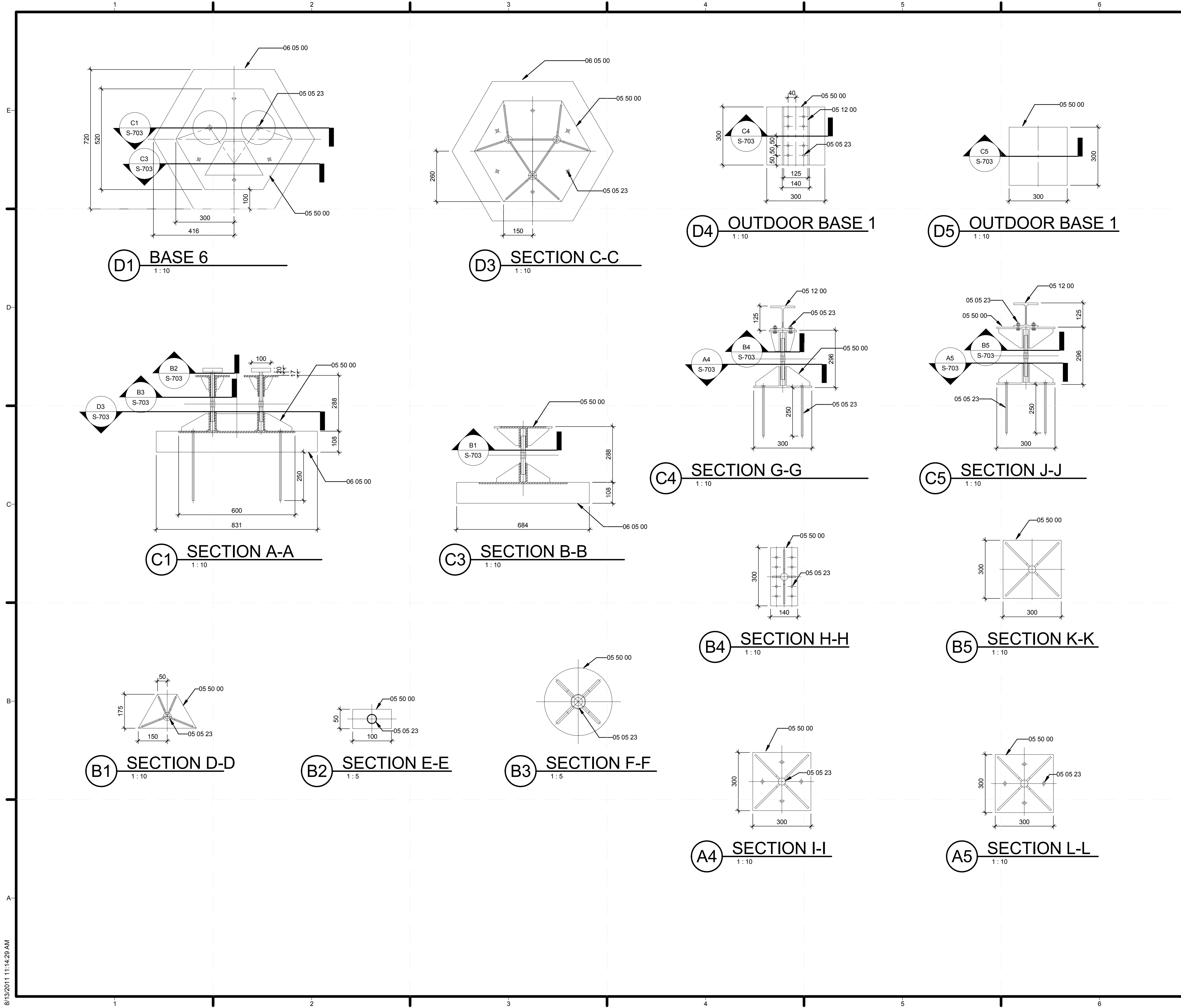
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**S-702**



**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

05 05 23	METAL FASTENINGS
05 12 00	STRUCTURAL STEEL FRAMING
05 50 00	METAL FABRICATIONS
06 05 00	COMMON WORK RESULTS FOR WOOD, PLASTICS, AND COMPOSITES

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**SHEET KEYNOTES**

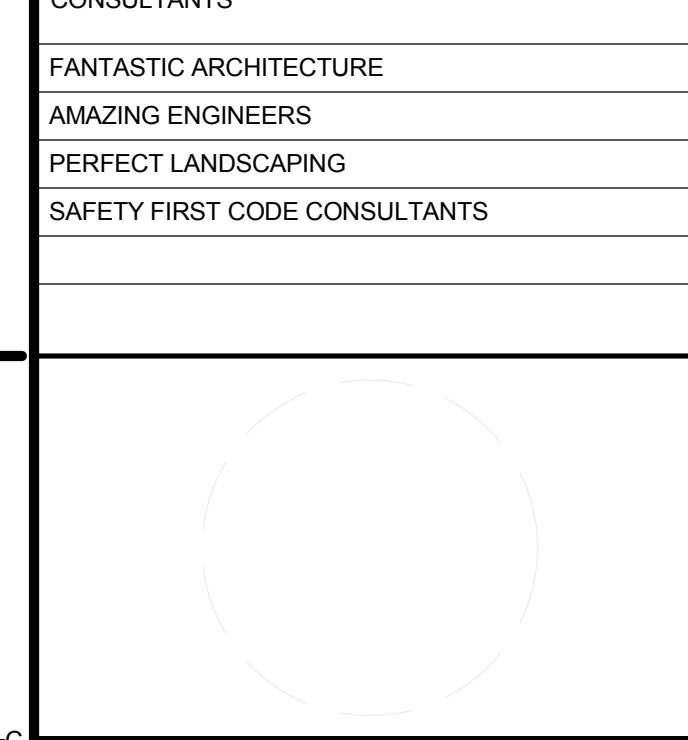
MARK	DATE	DESCRIPTION

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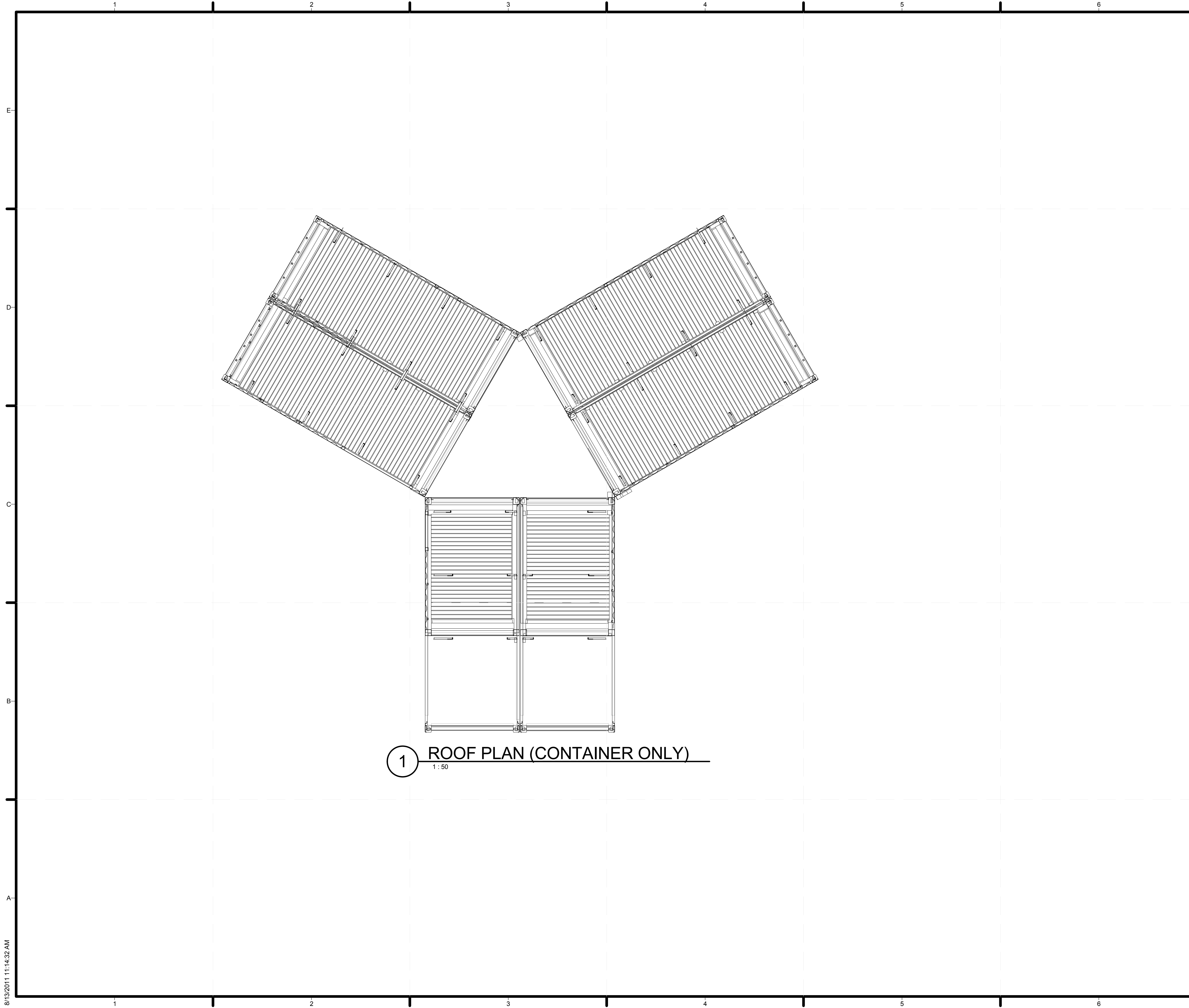
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**SHEET TITLE**

TYPICAL DETAILS

S-703



① ROOF PLAN (CONTAINER ONLY)  
1:50

GENERAL SHEET NOTES

REFERENCE KEYNOTES

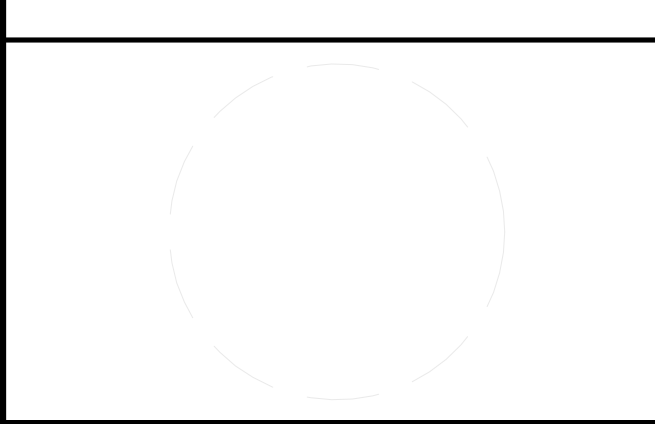
SHEET KEYNOTES

PROJECT LOGO

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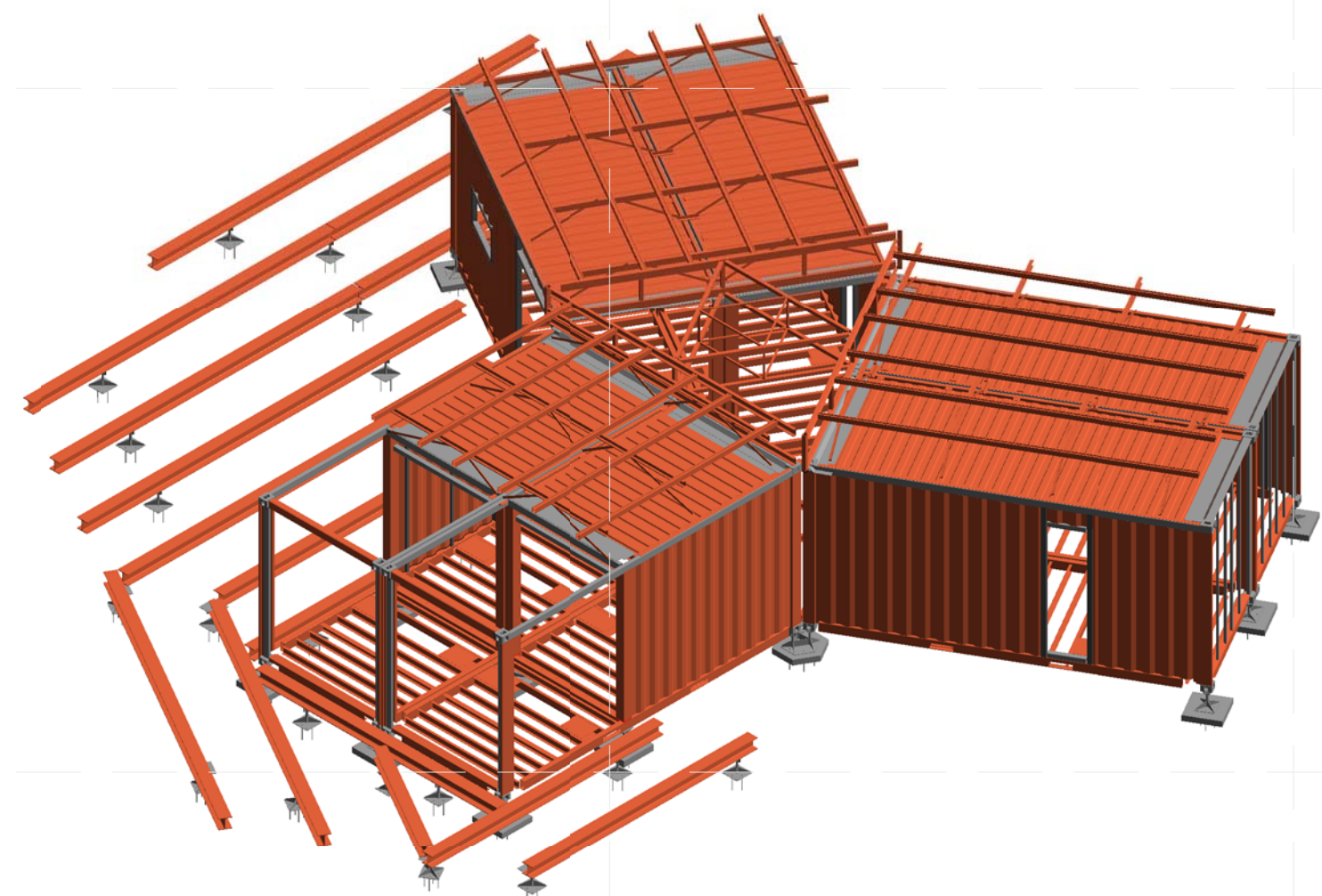
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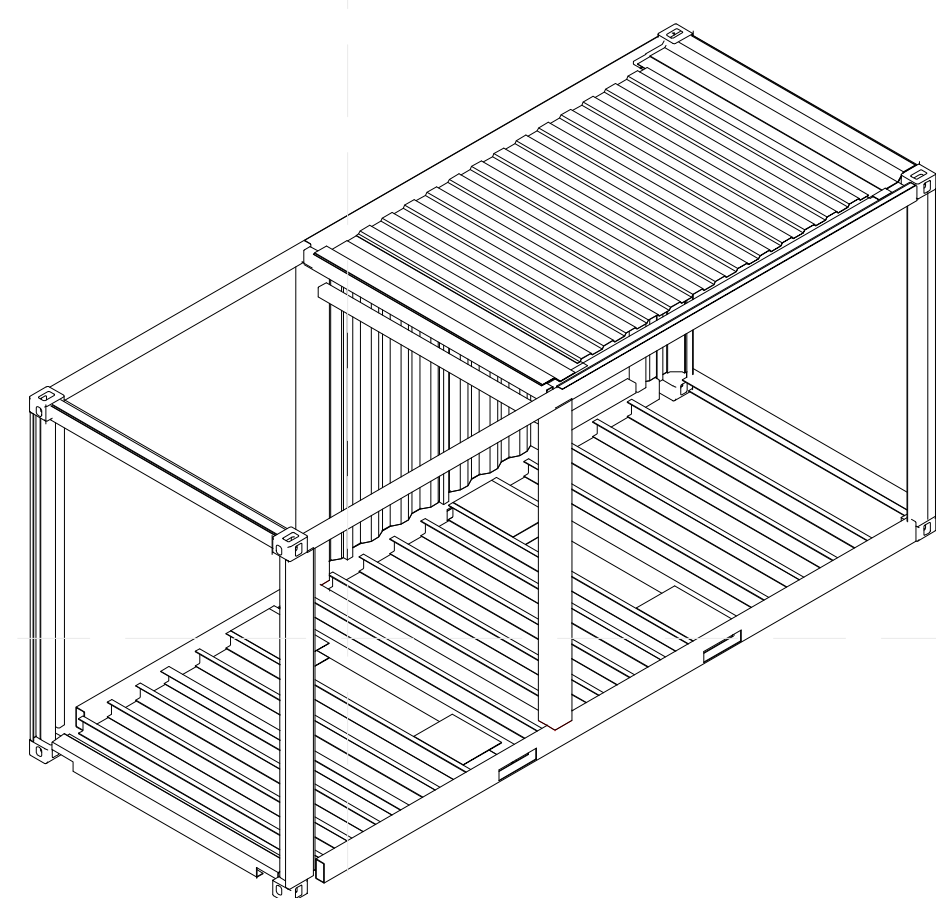
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FLOOR PLAN (CONTAINER ONLY)

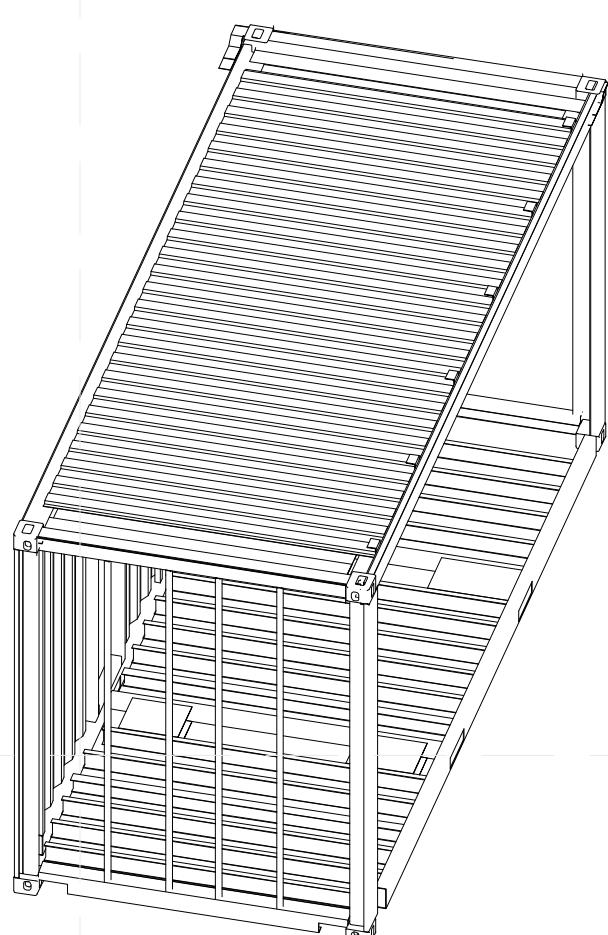
S-704



C1 FRAMING ISOMETRICS 1



A1 FRAMING ISOMETRICS 2



A3 FRAMING ISOMETRICS 3

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

PROJECT LOGO

TEAM NAME: TEAM TEMPLATE  
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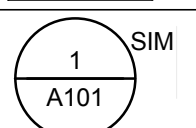

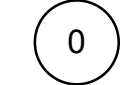

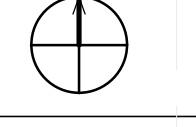
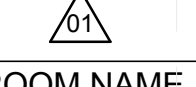
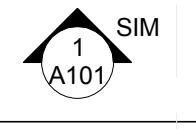
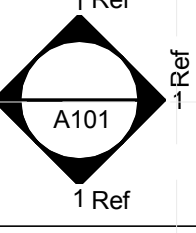
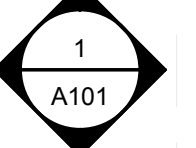
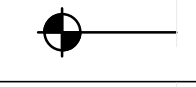
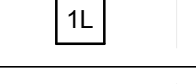
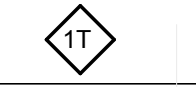
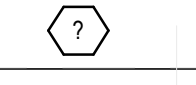




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SHEET TITLE  
**FRAMING ISOMETRICS**

**S-901**

SYMBOL LEGEND	
MARK	DESCRIPTION
ROOM NAME 150 SF	AREA TAG
	CALL OUT TAG
	CENTERLINE
101	DOOR TAG
	STRUCTURAL GRID TAG
12 21 31.A2	REFERENCE KEYNOTE TAG
NAME ELEVATION 	ELEVATION MARKER
	NORTH ARROW
	REVISION TAG
ROOM NAME 101	ROOM TAG
	SECTION TAG
	INTERIOR ELEVATION TAG
	EXTERIOR ELEVATION TAG
	SPOT ELEVATION
	WALL TAG
	WINDOW TAG
	WINDOW TAG
	SHEET KEYNOTE TAG
	GRAPHIC SCALE
 DRAWING BLOCK TITLE 1 1/2" = 1'-0"	VIEW TITLE

SHEET LIST	
SHT NO	SHEET NAME
G-001	TABLE OF CONTENTS
G-101	FINISHED SQUARE FOOTAGE COMPLIANCE PLAN
G-201	SOLAR ENVELOPE COMPLIANCE ELEVATIONS
G-601	SHADING DIAGRAMS
G-901	GENERAL PROJECT RENDERINGS
G-902	GENERAL PROJECT RENDERINGS
G-102	EGRESS PLAN
G-103	ADA TOUR ROUTE COMPLIANCE PLAN
L-101	LANDSCAPE AND PLANTING SITE PLAN
L-501	LANDSCAPE DETAILS
A-111	FIRST FLOOR PLAN
A-112	ROOF PLAN
A-212	ELEVATIONS
A-211	ELEVATIONS
A-302	BUILDING SECTIONS
A-301	BUILDING SECTIONS
A-213	INTERIOR ELEVATIONS
A-001	ARCHITECTURAL SYMBOLS AND NOTES
A-101	SITE PLAN
A-201	SITE ELEVATIONS
A-202	SITE ELEVATIONS
A-401	LARGE SCALE PLANS
A-901	ARCHITECTURAL RENDERINGS
A-315	WALL ELEVATION
A-316	WALL ELEVATION
A-317	WALL SECTIONS
A-318	PLAN DETAILS
A-551	PV MOUNTING DETAILS
A-561	ROOF DETAILS
A-121	FIRST FLOOR REFLECTED CEILING PLAN
A-322	ROOF SECTIONS
A-562	ROOF PLUMBING DETAILS
A-501	PLAN DETAILS
A-323	FLOOR SECTION
A-521	WINDOW&DOOR DETAILS1
A-522	WINDOW&DOOR DETAILS2
A-523	WINDOW&DOOR DETAILS3
A-524	WINDOW&DOOR DETAILS4
A-525	WINDOW&DOOR DETAILS5
A-526	WINDOW&DOOR DETAILS6
A-527	WINDOW&DOOR DETAILS7
A-312	WALL SECTIONS
A-321	FLOOR SECTIONS
A-502	PLAN DETAILS
A-122	CEILING DETAILS
A-123	CEILING DETAILS
A-603	MOVEABLE COMPONENT DIAGRAM
A-528	WINDOW&DOOR DETAILS8
A-701	TYPICAL DETAILS
I-102	INTERIOR FURNISHING PLAN
I-201	INTERIOR DESIGN ELEVATIONS
I-205	INTERIOR DESIGN ELEVATIONS
I-601	INTERIOR DESIGN SCHEDULES
I-202	INTERIOR DESIGN ELEVATIONS
I-203	INTERIOR DESIGN ELEVATIONS
I-204	INTERIOR DESIGN ELEVATIONS
I-206	INTERIOR DESIGN ELEVATIONS
O-101E	DISASSEMBLY SCHEDULE
O-101A	ARRIVAL SEQUENCE PLANS
O-101D	ASSEMBLY SCHEDULE
O-101B	OPERATION

SHEET LIST	
SHT NO	SHEET NAME
O-101	ARRIVAL SEQUENCE PLANS
O-101C	ASSEMBLY SCHEDULE

**GENERAL SHEET NOTES**

1. Y CONTAINER, CONTAINER HERE HAS GOT TWO MEANINGS. ONE STANDS UP FOR A LARGE METAL BOX OF A STANDARD DESIGN AND SIZE USED FOR THE TRANSPORTATION OF GOODS BY ROAD, RAIL, SEA, OR AIR. THERE ARE 11978 MILES FROM SHANGHAI TO WASHINGTON RESULTS 33 DAYS FOR THE TRANSPORTATION, WHICH CONTAINERS PROVIDE EASIER WAY. FURTHERMORE, THE CONTAINERS IN OUR HOUSE COME FROM THE DISUSED CONTAINERS IN THE WHARF.
2. ALSO, CONTAINER MEANS AN OBJECT THAT CAN BE USED TO HOLD SOMETHING. THE PV PANELS ON THE ROOF GENERATE THE ENERGY COVERING ALL THE ELECTRIC CONSUMPTION FOR THE HOUSEHOLD ELECTRICAL APPLIANCES. THE EXTERIOR DECK IS MADE OF SEVERAL TRIANGULAR COMPONENTS. PARTS OF TRIANGULAR COMPONENTS ARE SERVED AS THE RAINWATER COLLECTION SYSTEM THAT PROVIDES THE WATER FOR LIFE. IN SHORT, Y CONTAINER IS A BOX ABSORBING THE SOLAR ENERGY. THE RAIN FROM THE NATURAL EVENTUALLY CONTRIBUTES TO THE BETTER LIFE IN THE FUTURE.



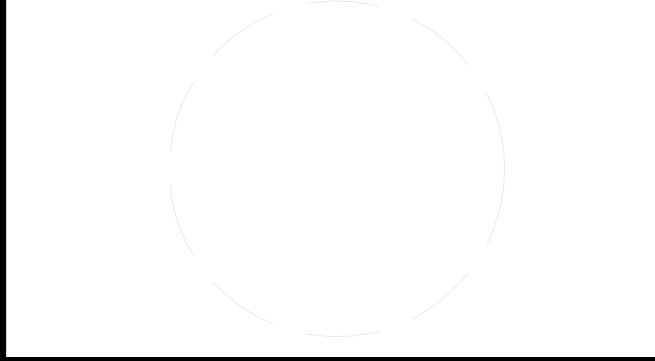
**REFERENCE KEYNOTES**

MARK	DATE	DESCRIPTION

**SHEET KEYNOTES**

MARK	DATE	DESCRIPTION

TEAM NAME: TEAM CHINA  
 ADDRESS: TONGJI UNIVERSITY SIPING ROAD YANGPU SHANGHAI CHINA  
 CONTACT: TONG\_TEAM@YAHOO.COM  
<http://www.safekidschina.org/solarDecathlon/index.html>  
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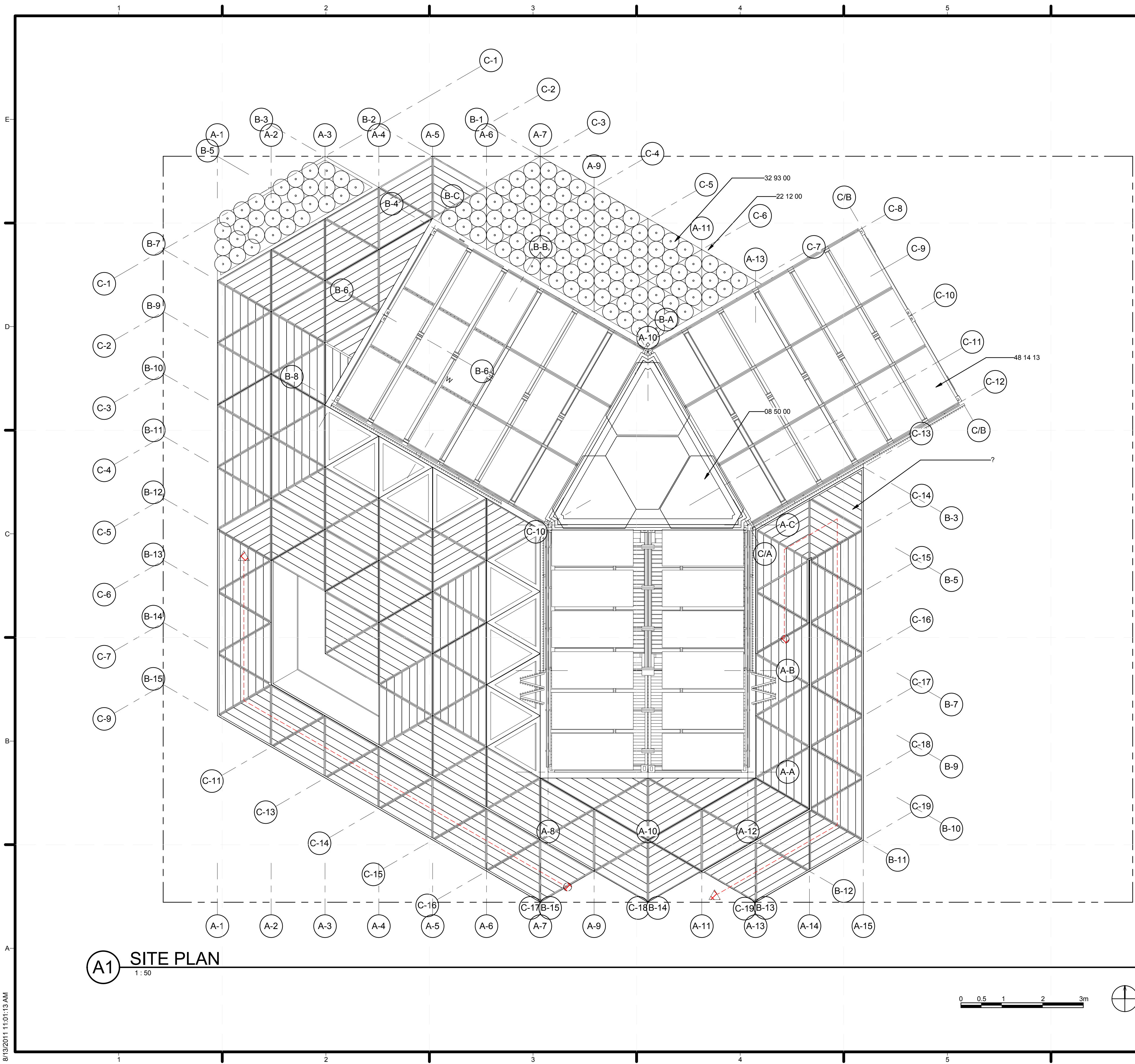


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U.S. DEPARTMENT OF ENERGY  
**SOLAR DECATHLON**

MARK	DATE	DESCRIPTION

SHEET TITLE  
**ARCHITECTURAL SYMBOLS AND NOTES**  
**A-001**



**(A1) SITE PLAN**  
1:50

**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

08 50 00 WINDOWS  
 22 12 00 FACILITY POTABLE-WATER STORAGE TANKS  
 32 93 00 PLANTS  
 48 14 13 SOLAR ENERGY COLLECTORS

**SHEET KEYNOTES**



TEAM NAME: TEAM CHINA  
 ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
 YANGPU SHANGHAI CHINA  
 CONTACT: TONG\_TEAM@YAHOO.COM  
<http://www.safekidschina.org/solarDecathlon/index.html>

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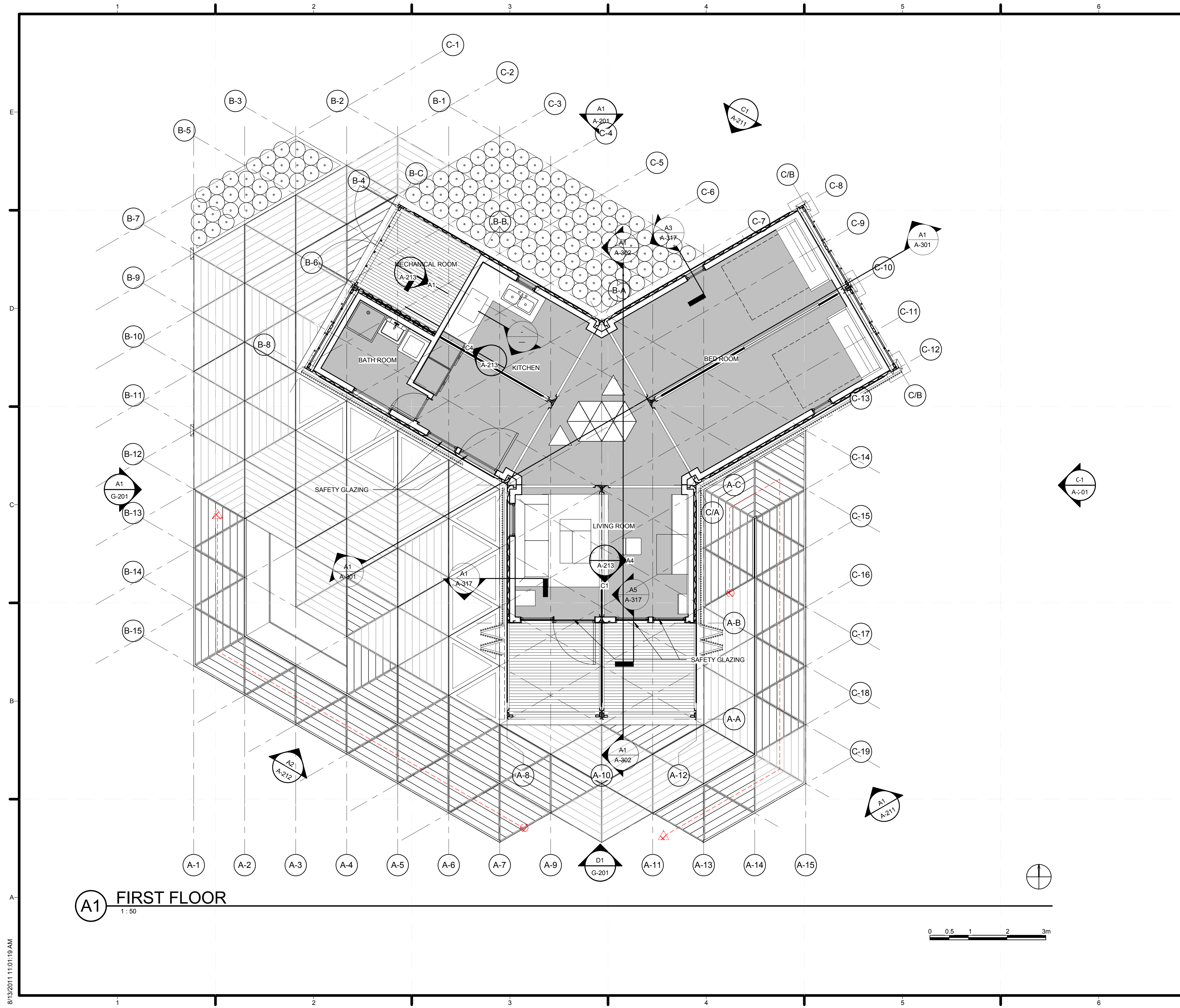
MARK	DATE	DESCRIPTION

SHEET TITLE

**SITE PLAN**

**A-101**

8/13/2011 11:01:13 AM



GENERAL SHEET NOTES

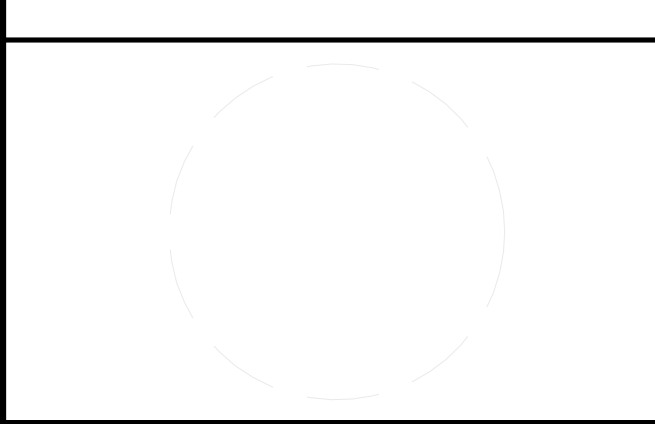
REFERENCE KEYNOTES

SHEET KEYNOTES



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 ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
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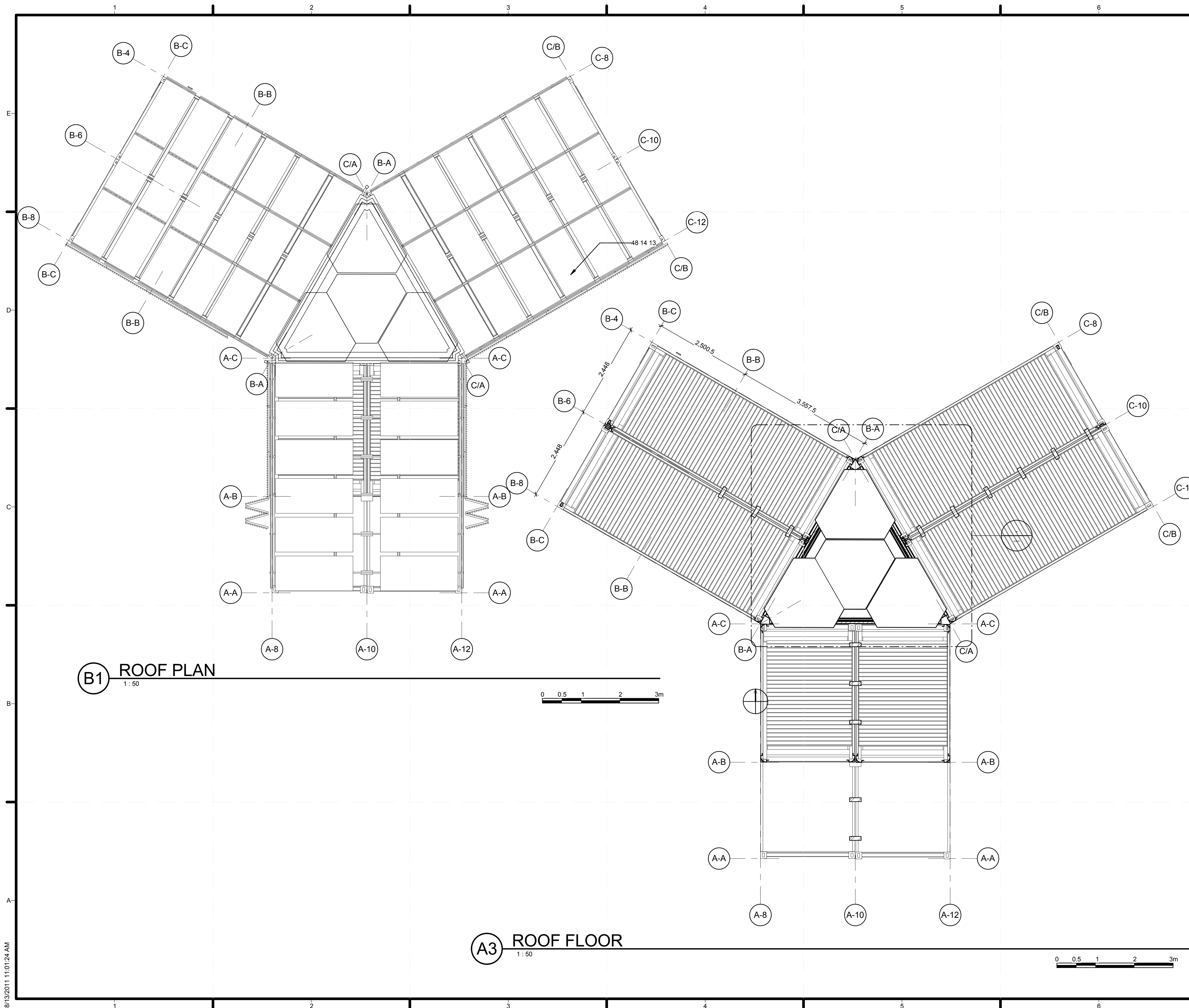
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SHEET TITLE  
**FIRST FLOOR PLAN**

**A-111**



GENERAL SHEET NOTES

REFERENCE KEYNOTES

48 14 13 SOLAR ENERGY COLLECTORS

SHEET KEYNOTES



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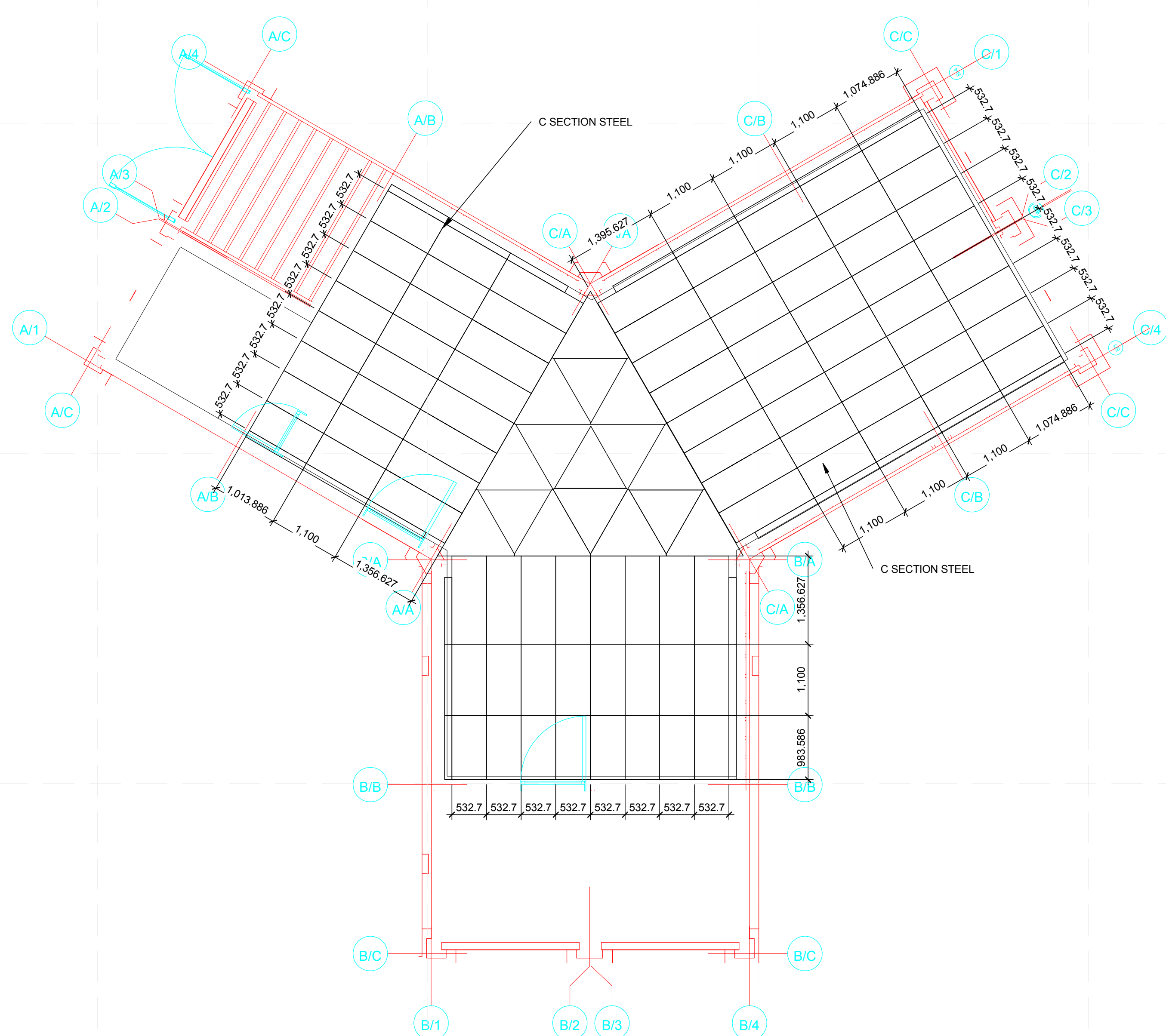
MARK	DATE	DESCRIPTION

SHEET TITLE

ROOF PLAN

A-112





(A2) FIRST FLOOR CEILING FRAMING  
1:50

0 0.5 1 2 3m

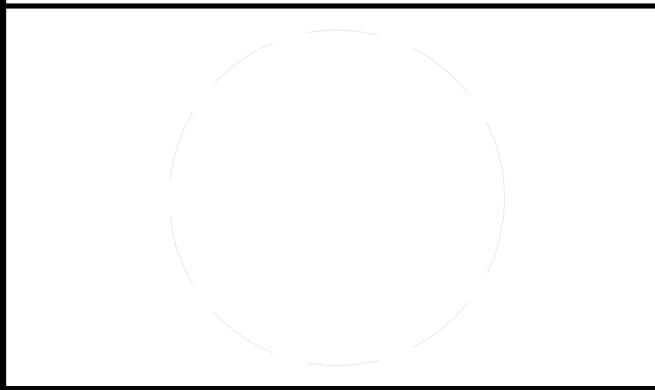
GENERAL SHEET NOTES

PROJECT LOGO

TEAM NAME: TEAM CHINA  
 ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
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<http://www.safekidschina.org/solarDecathlon/index.html>

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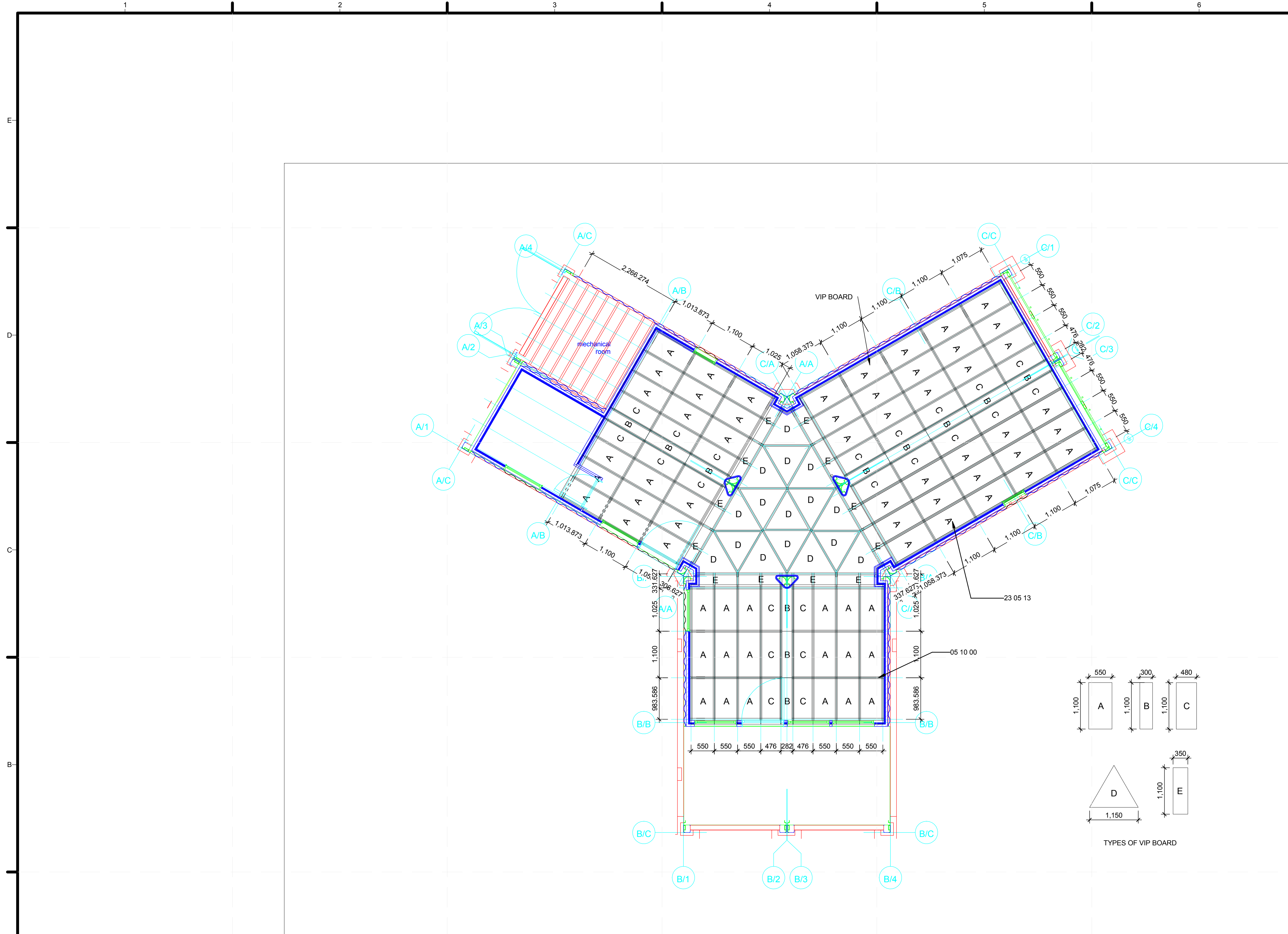


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SHEET TITLE  
 FIRST FLOOR REFLECTED CEILING PLAN

A-121



**A2** FLOOR VIP INSULATION LAYER-A  
1:50

GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 10 00 STRUCTURAL METAL FRAMING  
23 05 13 COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT

SHEET KEYNOTES

**PROJECT LOGO**

TEAM NAME: TEAM CHINA  
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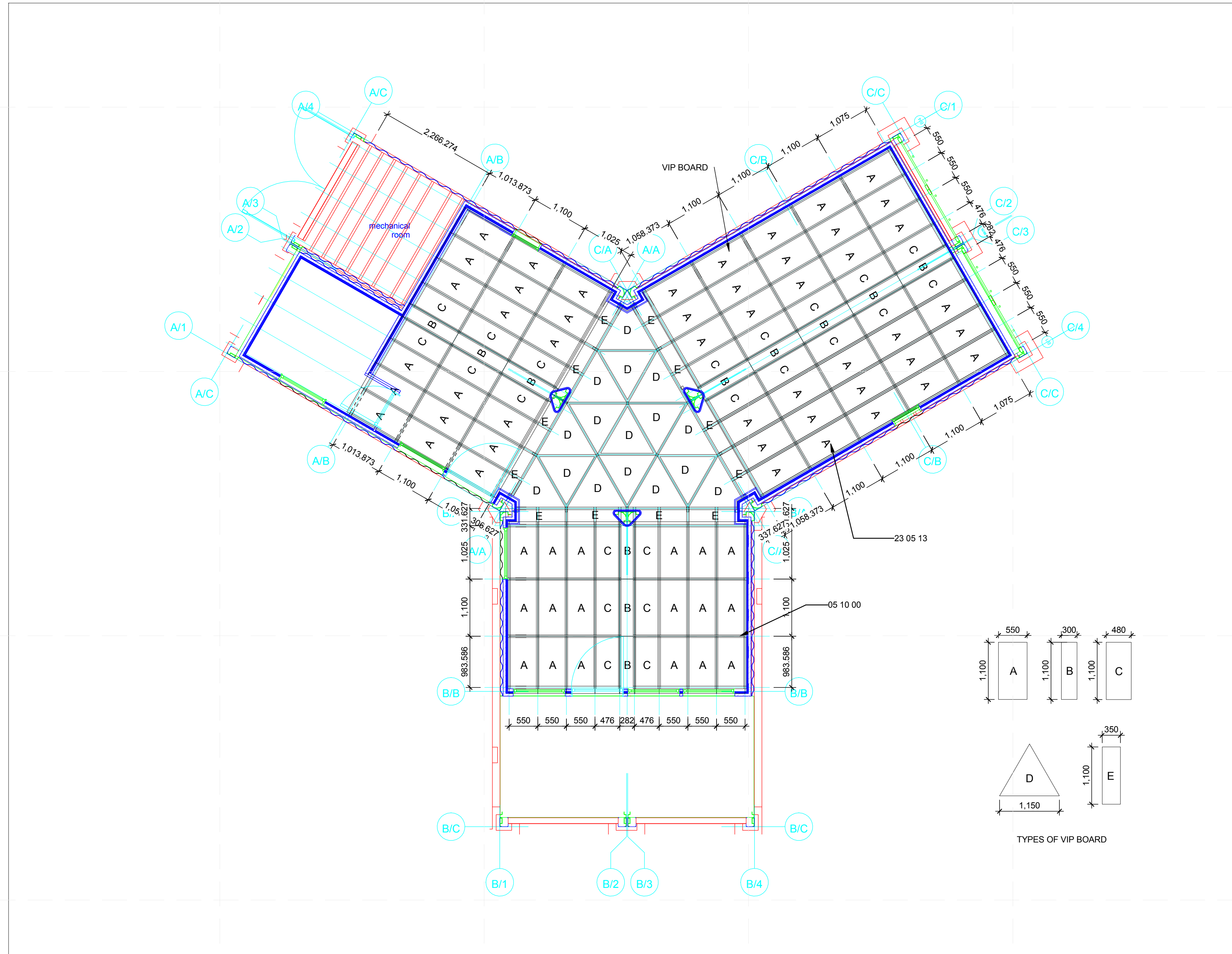
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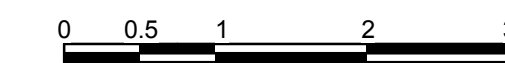
SHEET TITLE  
**CEILING DETAILS**

**A-122**

8/13/2011 11:01:27 AM



**A2** FLOOR VIP INSULATION LAYER-B  
1:50



GENERAL SHEET NOTES

PROJECT LOGO

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REFERENCE KEYNOTES

05 10 00 STRUCTURAL METAL FRAMING  
23 05 13 COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT

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SHEET KEYNOTES

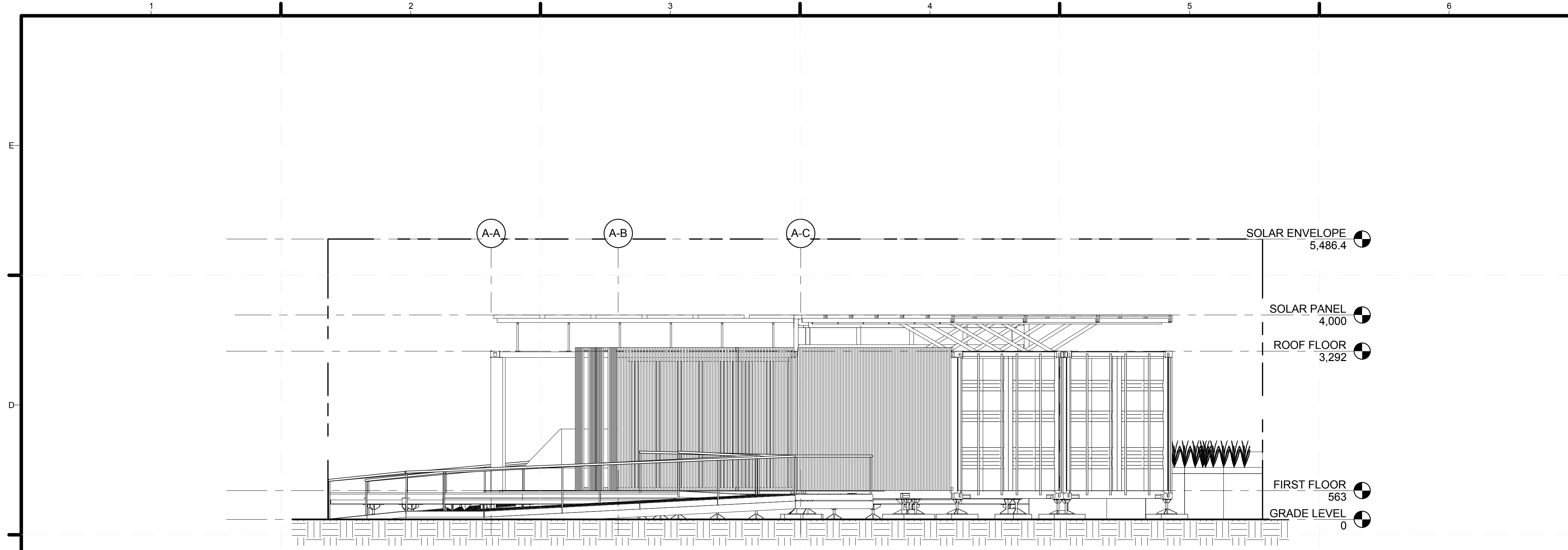
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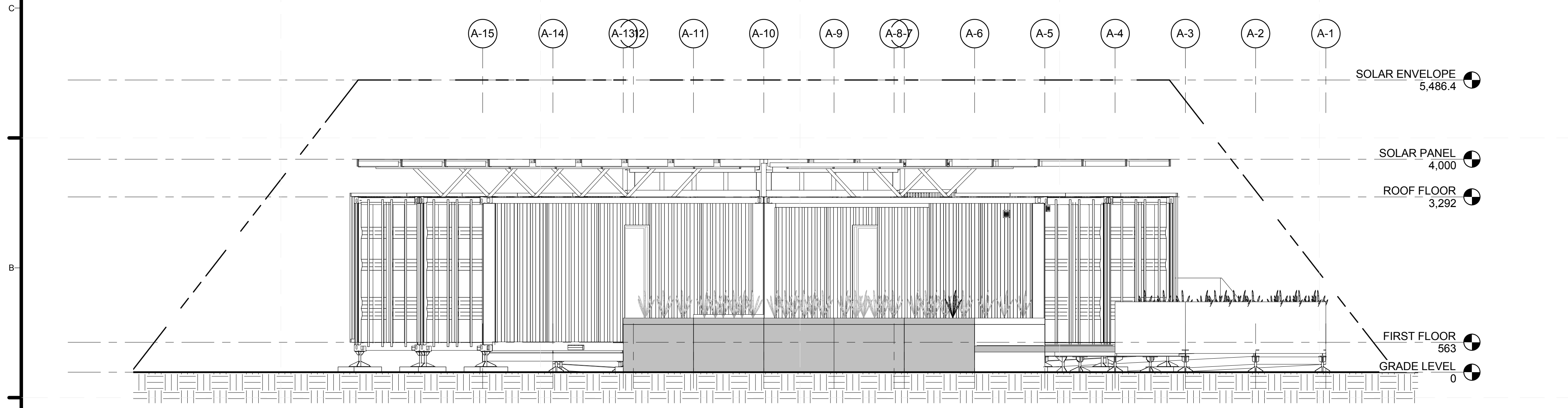
SHEET TITLE

CEILING DETAILS

A-123



**C1 EAST SITE ELEVATION**  
1:50



**A1 NORTH SITE ELEVATION**  
1:48



**GENERAL SHEET NOTES**

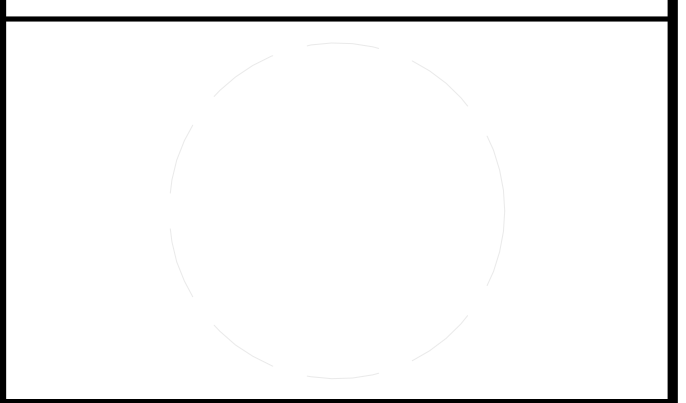
**REFERENCE KEYNOTES**

**SHEET KEYNOTES**



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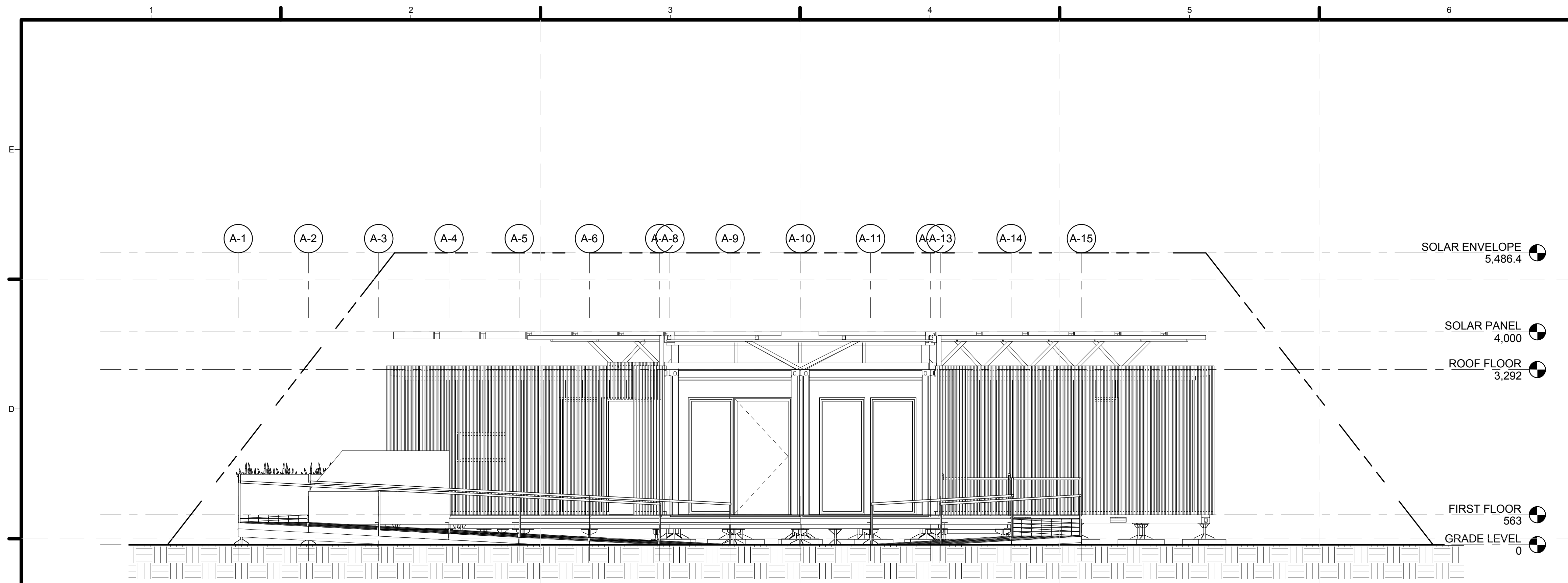
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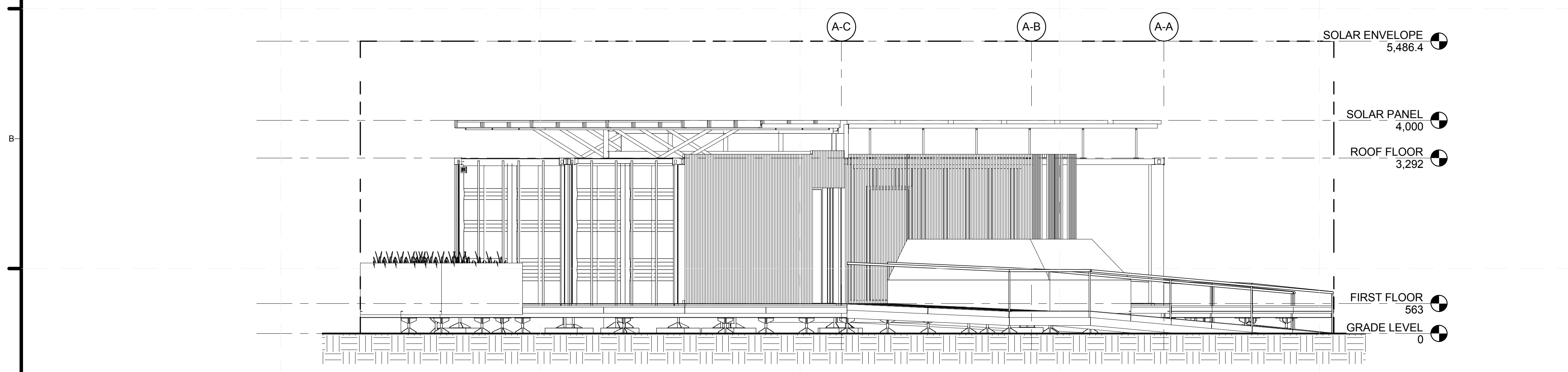
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SHEET TITLE  
**SITE ELEVATIONS**

**A-201**



**C1 SOUTH SITE ELEVATION**  
1:48



**A2 WEST SITE ELEVATION**  
1:48

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



TEAM NAME: TEAM CHINA  
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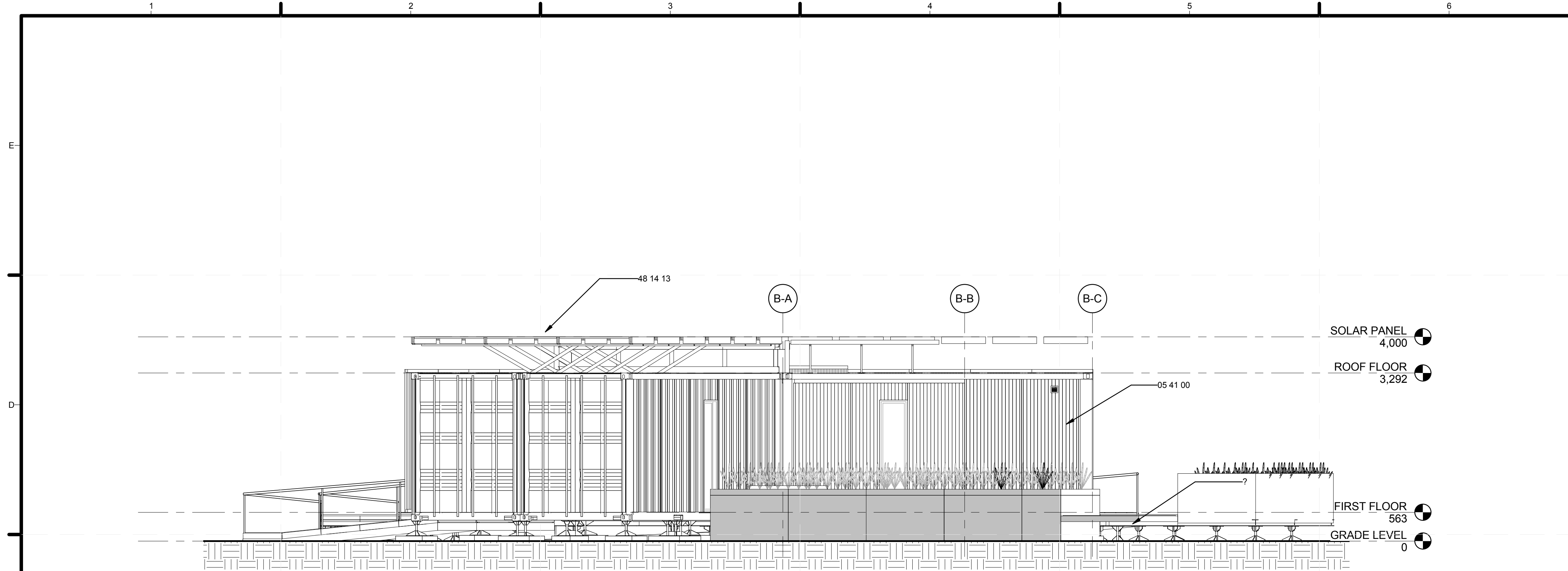
MARK	DATE	DESCRIPTION

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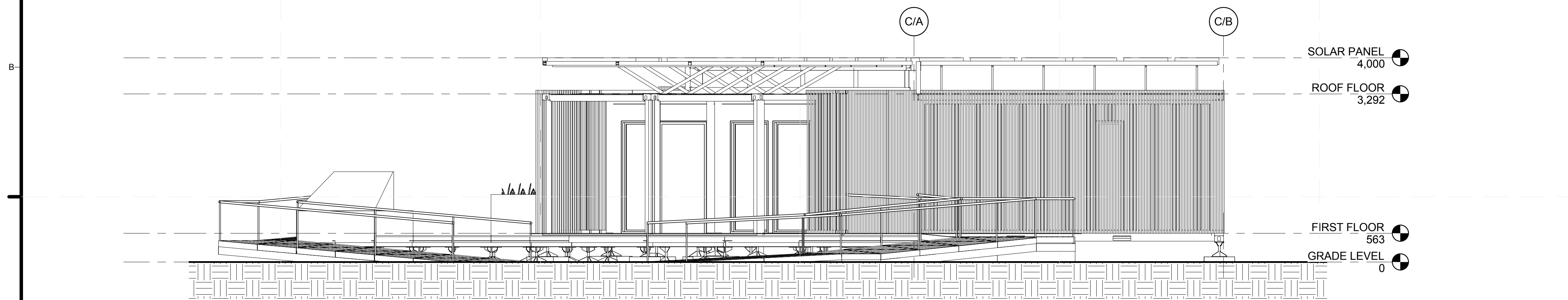
SHEET TITLE  
**SITE ELEVATIONS**

**A-202**

8/13/2011 11:01:40 AM



**C1** BUILDING ELEVATION NORTHEAST  
1:50



**A1** BUILDING ELEVATION SOUTHEAST  
1:50



**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

05 41 00 STRUCTURAL METAL STUD FRAMING  
48 14 13 SOLAR ENERGY COLLECTORS

**SHEET KEYNOTES**



TEAM NAME: TEAM CHINA  
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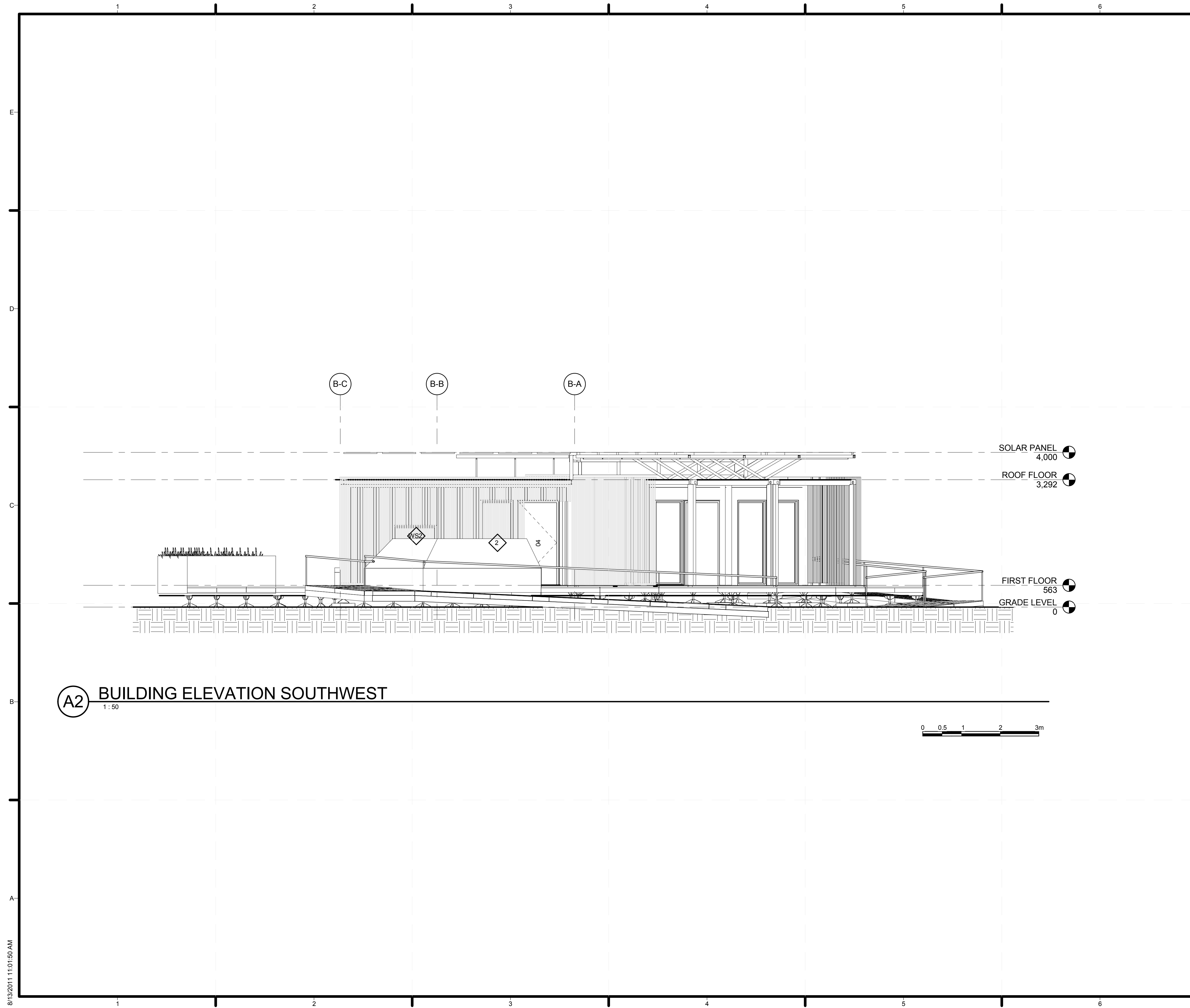
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LOT NUMBER:	113	
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SHEET TITLE  
**ELEVATIONS**

**A-211**



**A2** BUILDING ELEVATION SOUTHWEST  
1:50

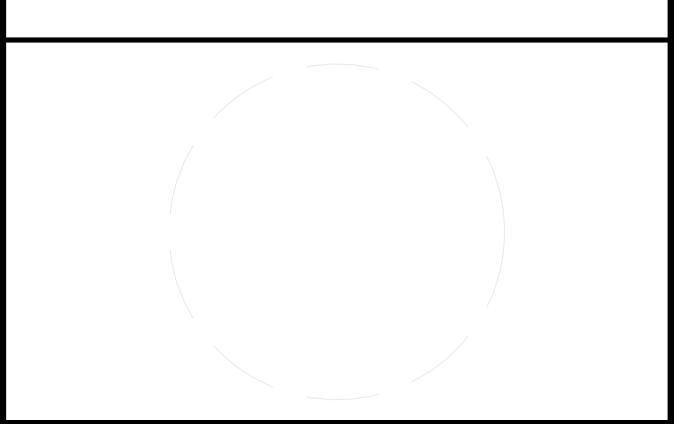
0 0.5 1 2 3m

GENERAL SHEET NOTES	
REFERENCE KEYNOTES	
SHEET KEYNOTES	



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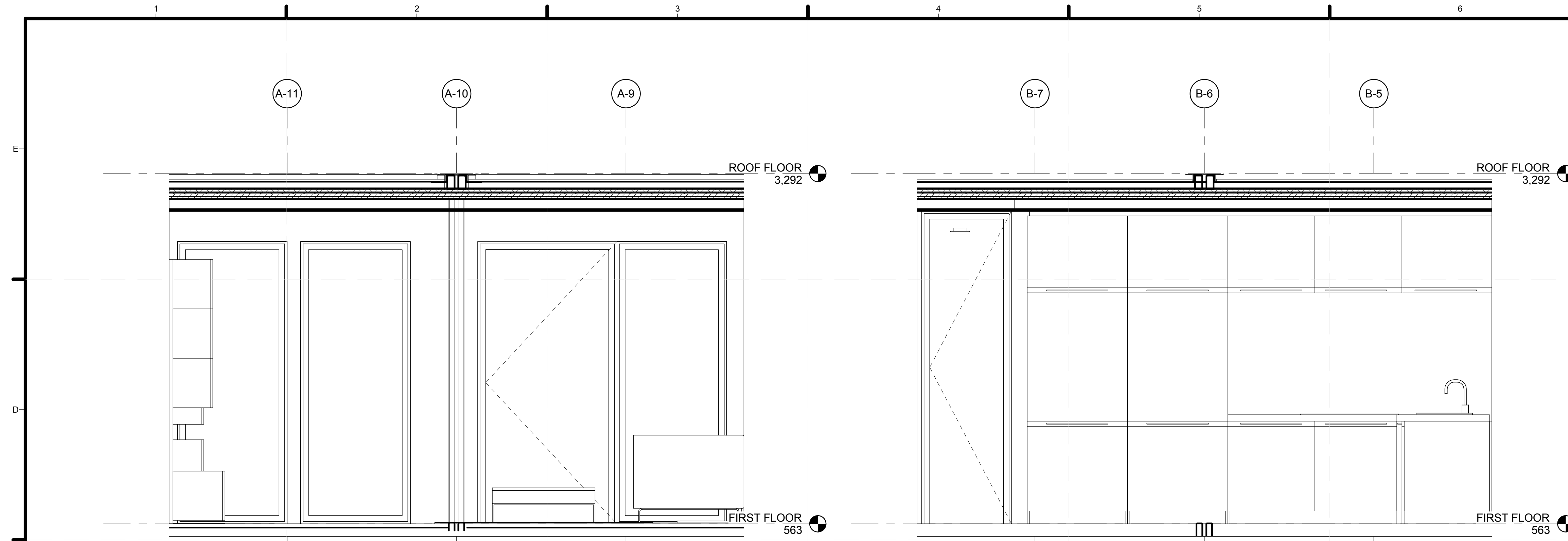


MARK	DATE	DESCRIPTION

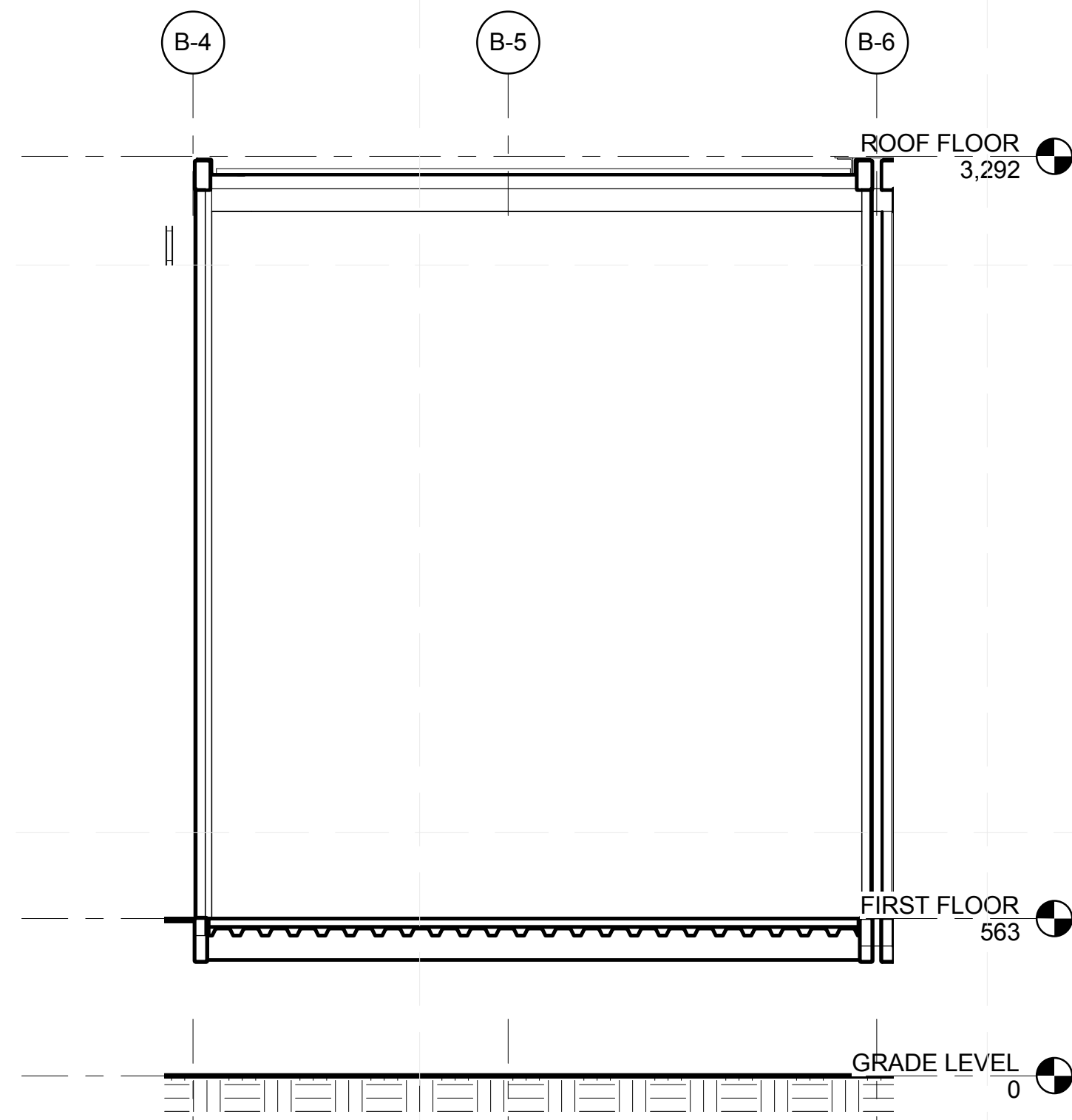
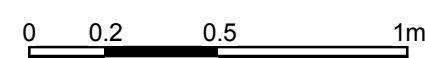
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 DRAWN BY: AUTHOR  
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 COPYRIGHT: NONE: PROJECT IS PUBLIC DOMAIN

SHEET TITLE  
**ELEVATIONS**

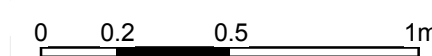
**A-212**



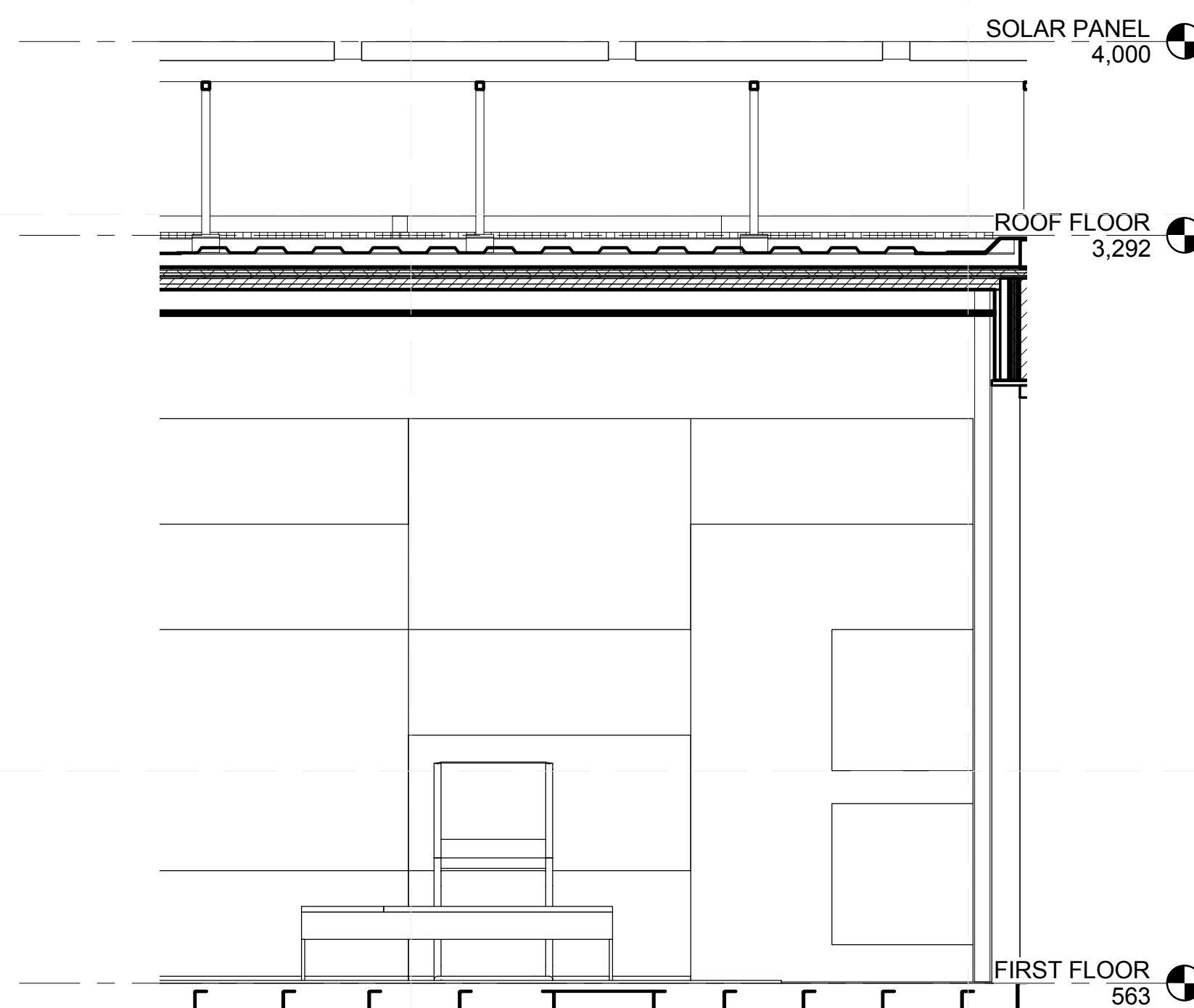
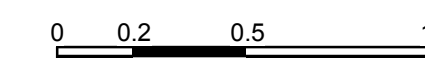
**C1 INTERIOR BALCONY ELEVATION**  
1:20



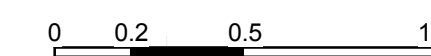
**A1 INTERIOR EQUIPMENT ELEVATION**  
1:20



**C4 INTERIOR EQUIPMENT ELEVATION**  
1:20



**A4 INTERIOR LIVING ROOM ELEVATION**  
1:20



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



TEAM NAME: TEAM CHINA  
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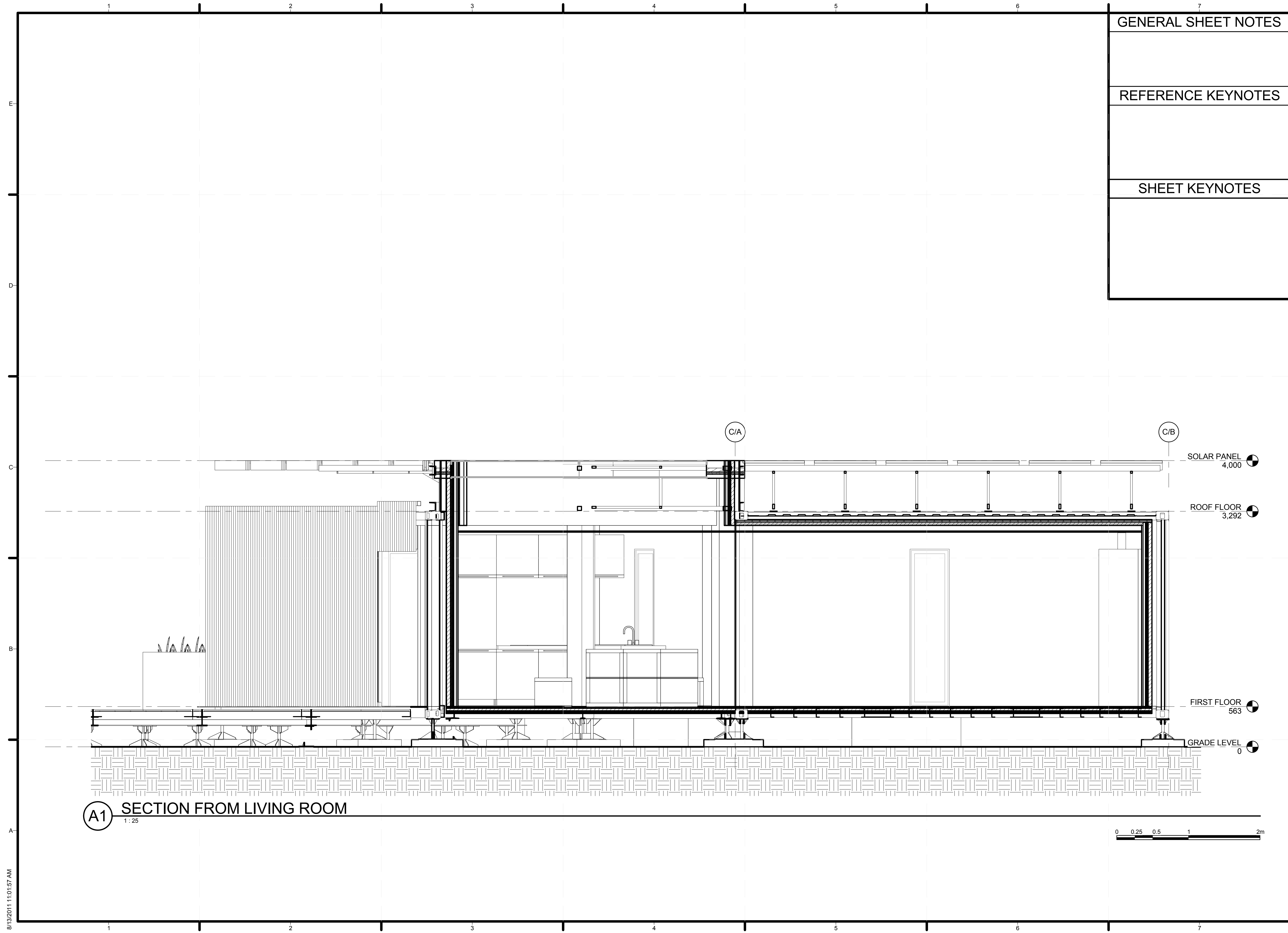
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SHEET TITLE  
**INTERIOR ELEVATIONS**

**A-213**





**A1 SECTION FROM LIVING ROOM**  
1:25



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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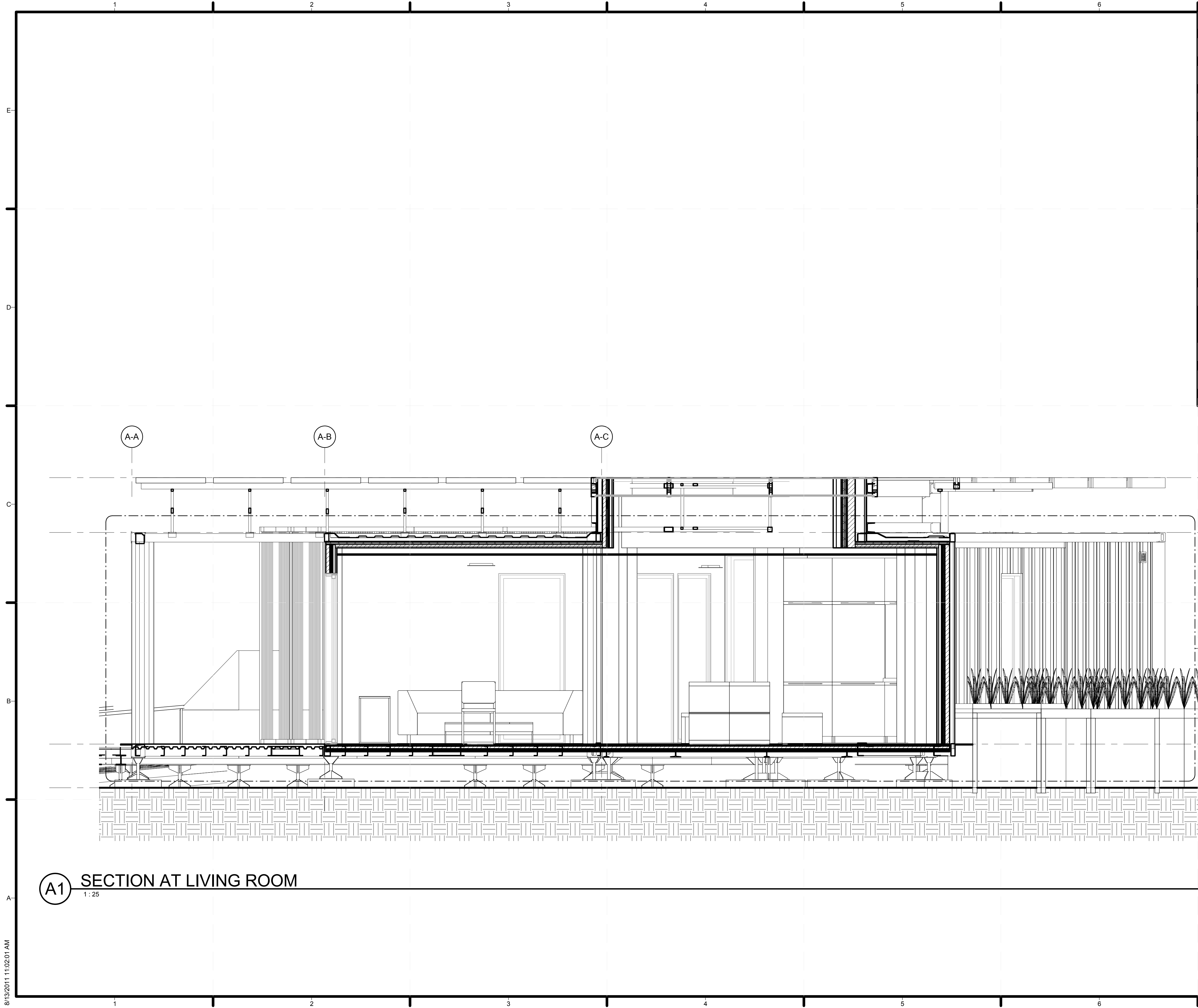


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SHEET TITLE  
**BUILDING SECTIONS**

**A-301**



**A1 SECTION AT LIVING ROOM**  
1:25

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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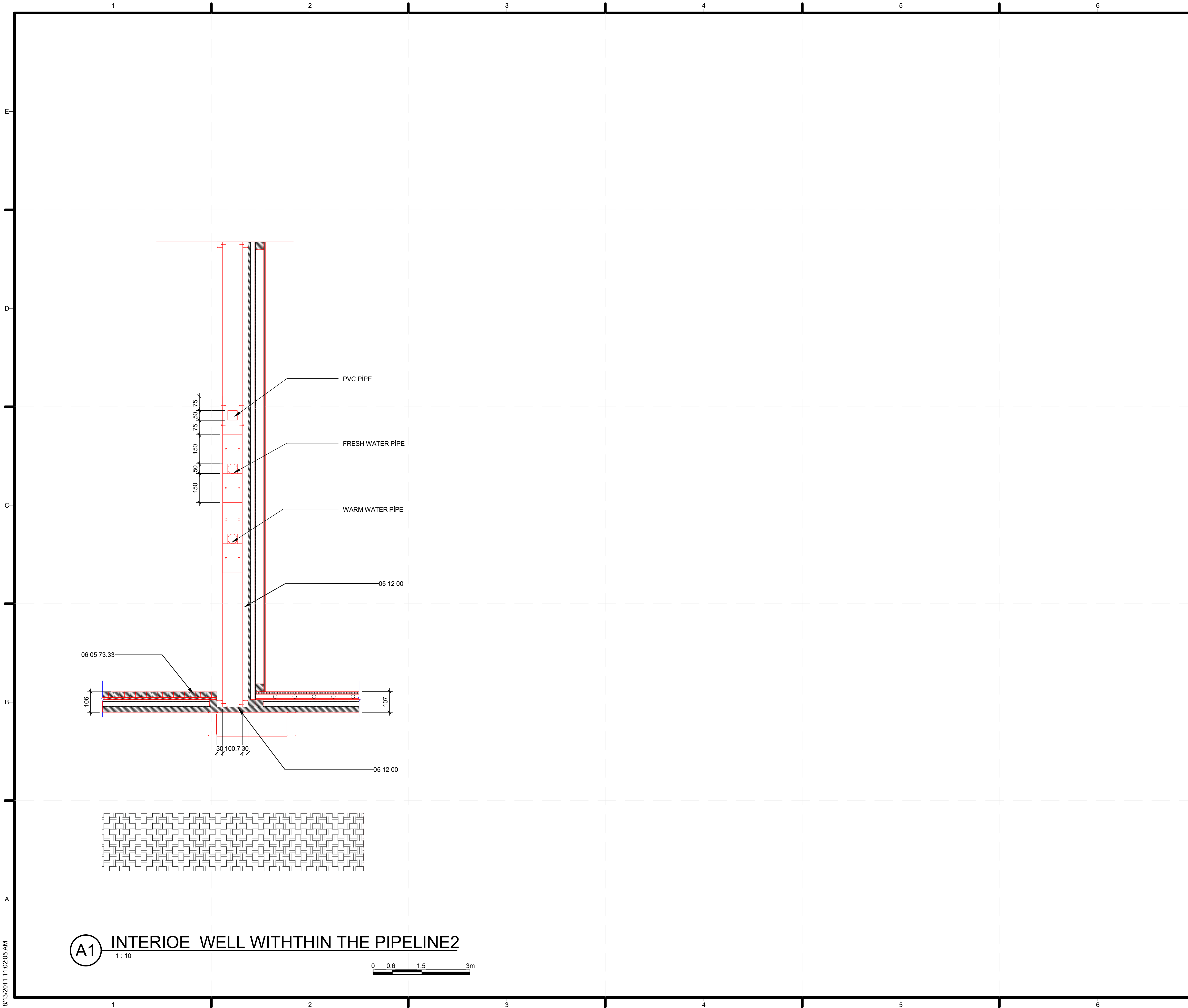


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SHEET TITLE  
**BUILDING SECTIONS**

**A-302**



(A1) INTERIOE WELL WITHTHIN THE PIPELINE2

1:10  
0 0.6 1.5 3m

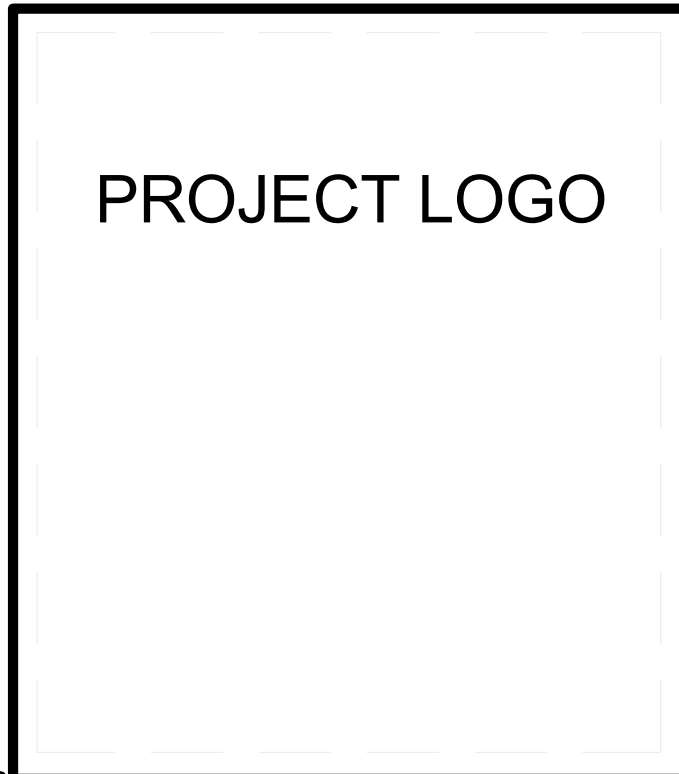
8/13/2011 11:02:05 AM

GENERAL SHEET NOTES

REFERENCE KEYNOTES

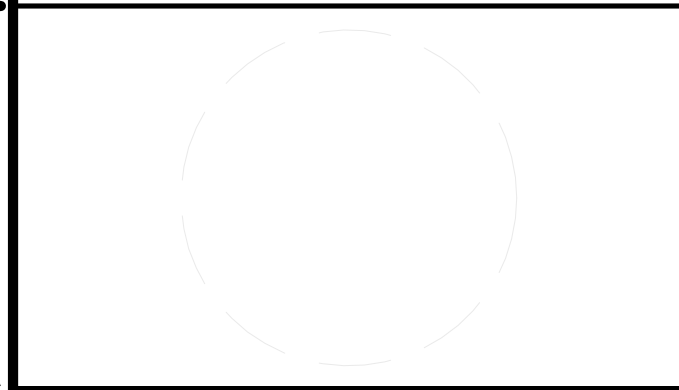
05 12 00	STRUCTURAL STEEL FRAMING
06 05 73.33	PRESERVATIVE WOOD TREATMENT

SHEET KEYNOTES

TEAM NAME: TEAM CHINA  
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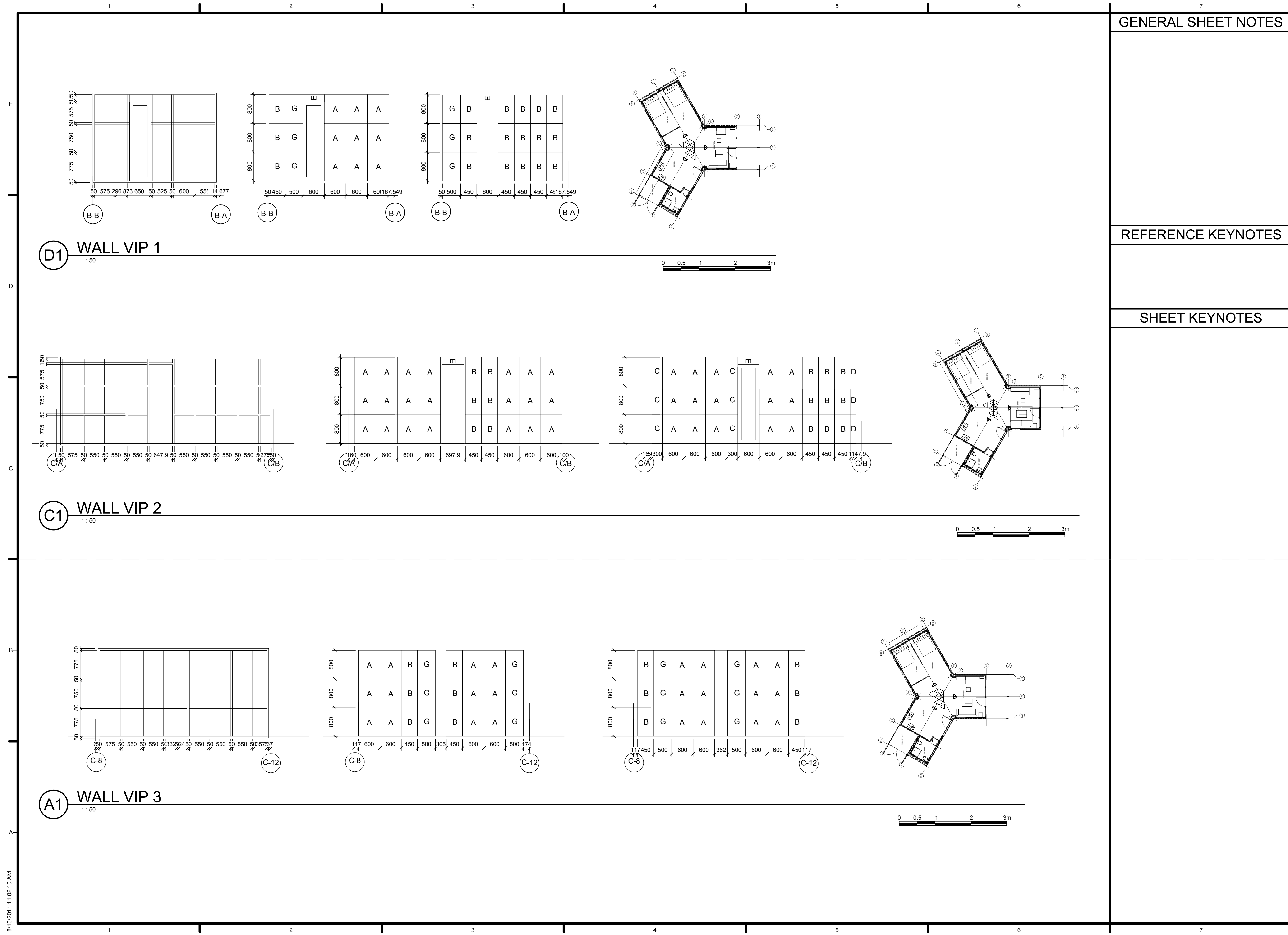
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SHEET TITLE

WALL SECTIONS

A-312



GENERAL SHEET NOTES

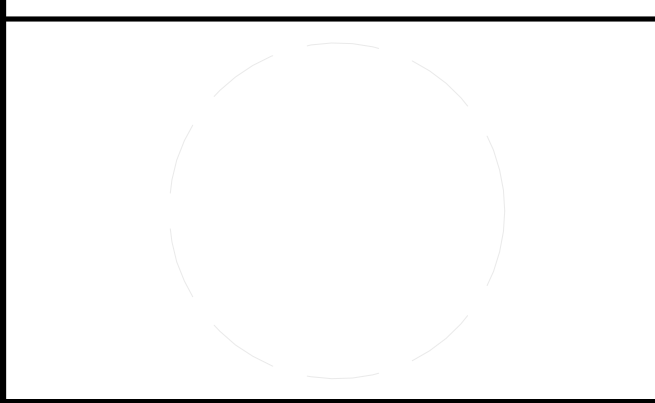
REFERENCE KEYNOTES

SHEET KEYNOTES



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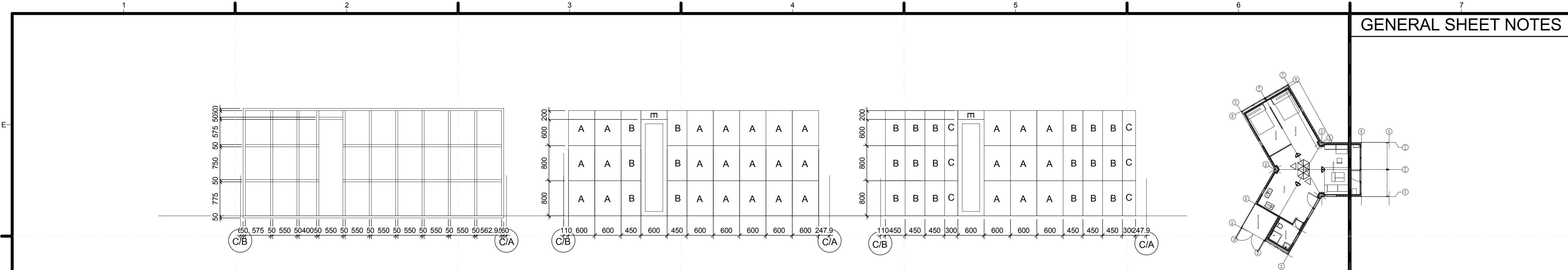
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SHEET TITLE  
**WALL ELEVATION**

**A-315**

8/13/2011 11:02:10 AM



**D1 WALL VIP 4**  
1:50

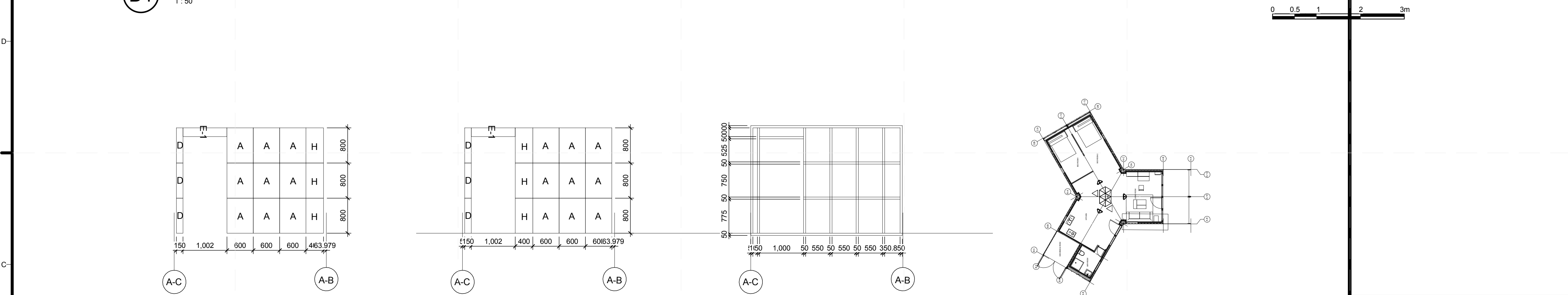
GENERAL SHEET NOTES



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 CONTACT: TONG\_TEAM@YAHOO.COM  
 http://www.safekidschina.org/solarDecathlon/index.html

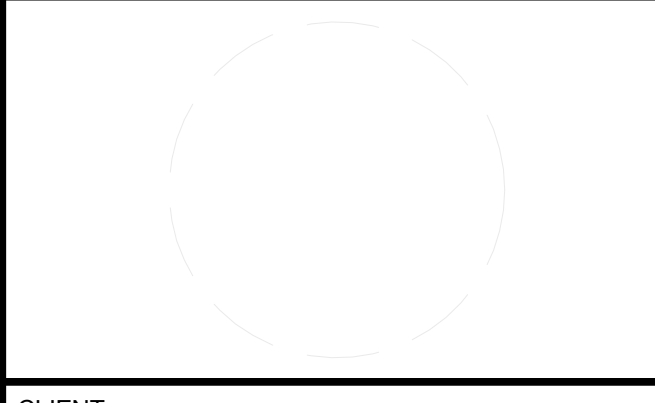
REFERENCE KEYNOTES

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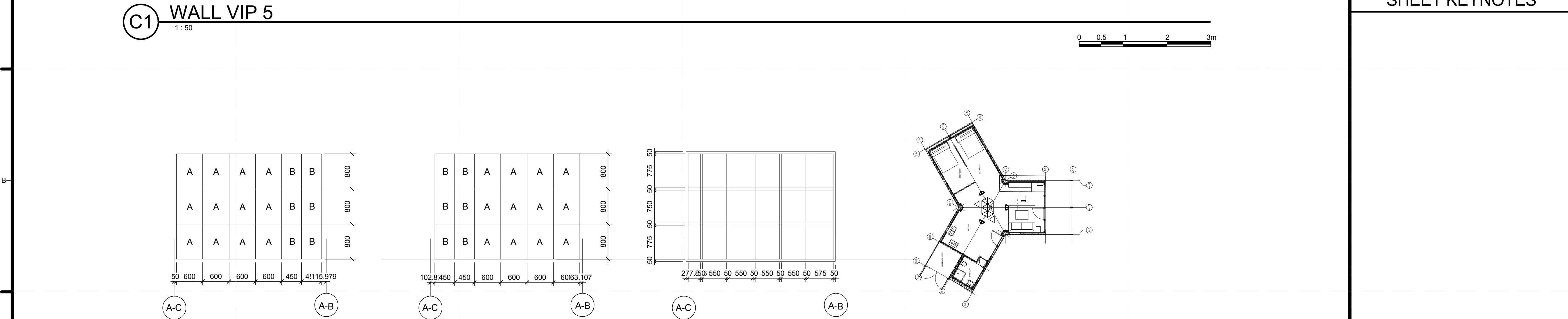


**C1 WALL VIP 5**  
1:50

SHEET KEYNOTES



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**A1 WALL VIP 6**  
1:50

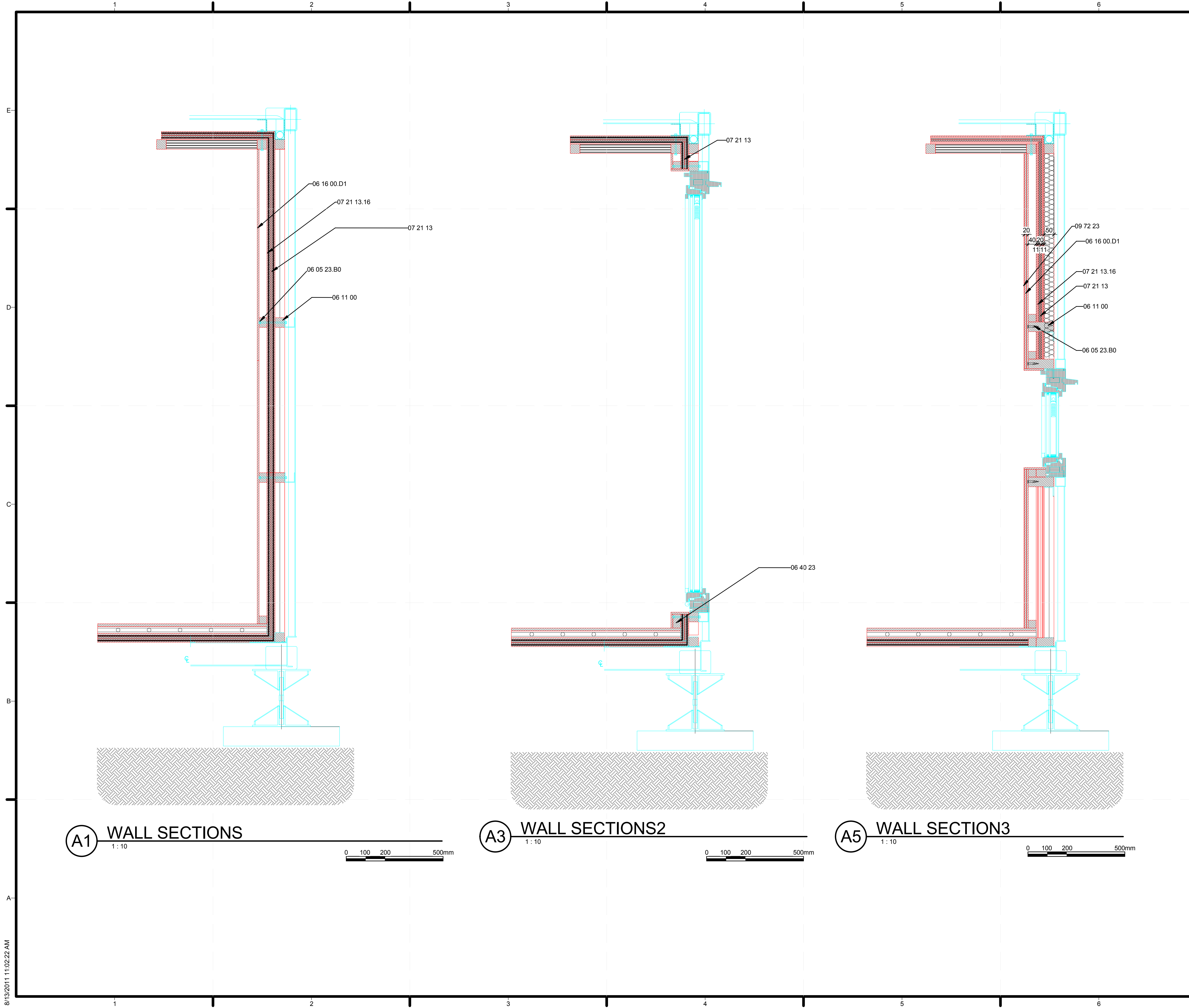
MARK DATE DESCRIPTION

LOT NUMBER:	113
DRAWN BY:	Author
CHECKED BY:	Checker
COPYRIGHT:	NONE: PROJECT IS PUBLIC DOMAIN

SHEET TITLE

WALL ELEVATION

A-316



GENERAL SHEET NOTES

REFERENCE KEYNOTES

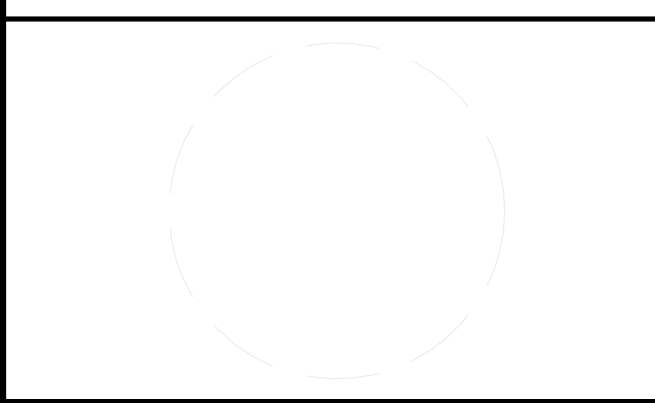
- 06 05 23.B0 LAG SCREWS
- 06 11 00 WOOD FRAMING
- 06 16 00.D1 PLYWOOD SHEATHING
- 06 40 23 INTERIOR ARCHITECTURAL WOODWORK
- 07 21 13 BOARD INSULATION
- 07 21 13.16 FIBROUS BOARD INSULATION
- 09 72 23 WALLPAPERING

SHEET KEYNOTES



TEAM NAME: TEAM CHINA  
 ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
 YANGPU SHANGHAI  
 CHINA  
 CONTACT: TONG\_TEAM@YAHOO.COM  
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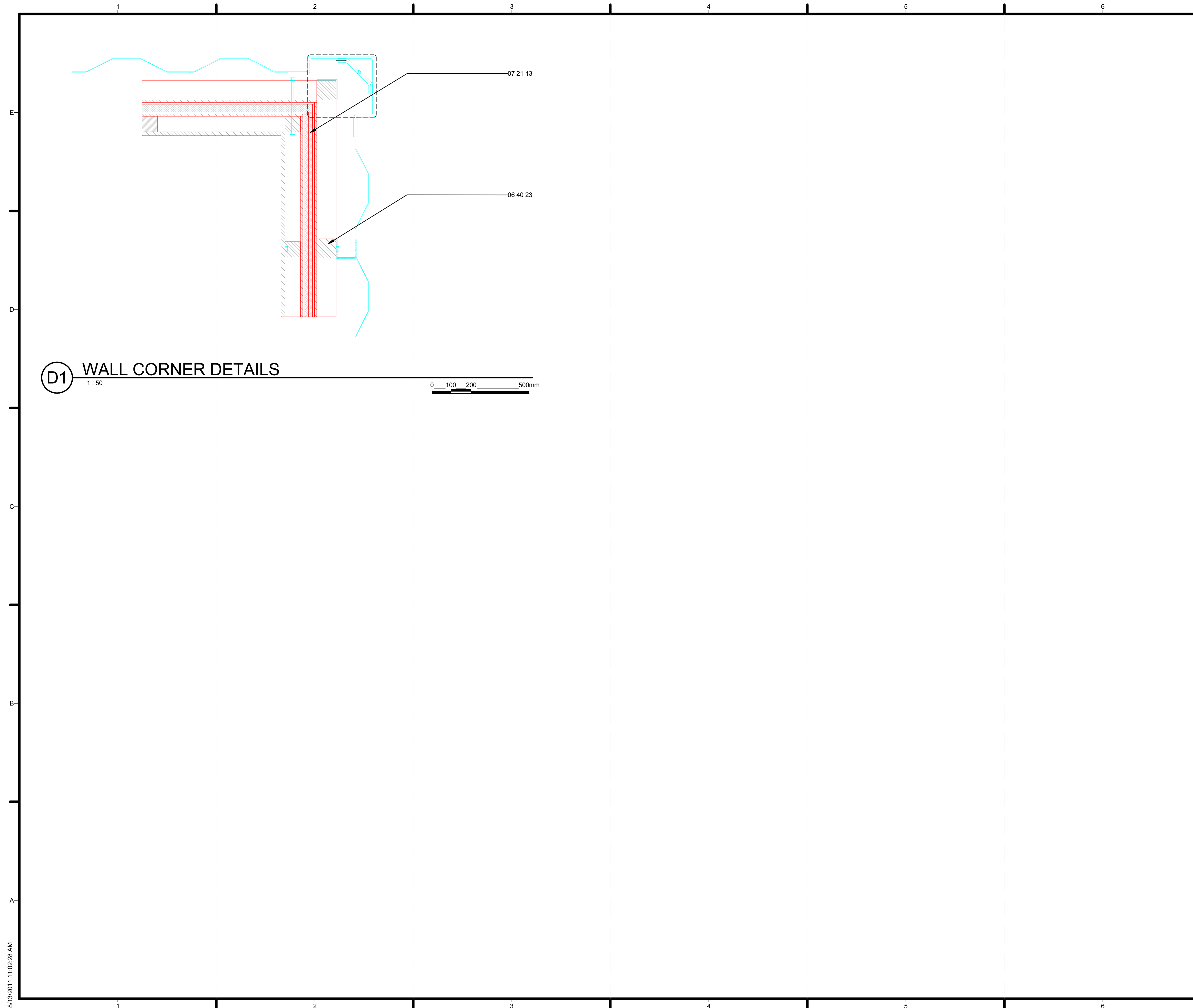


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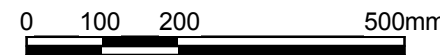
SHEET TITLE  
**WALL SECTIONS**

**A-317**



**D1 WALL CORNER DETAILS**

1:50



**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

06 40 23 INTERIOR ARCHITECTURAL WOODWORK  
 07 21 13 BOARD INSULATION

**SHEET KEYNOTES**



TEAM NAME: TEAM CHINA  
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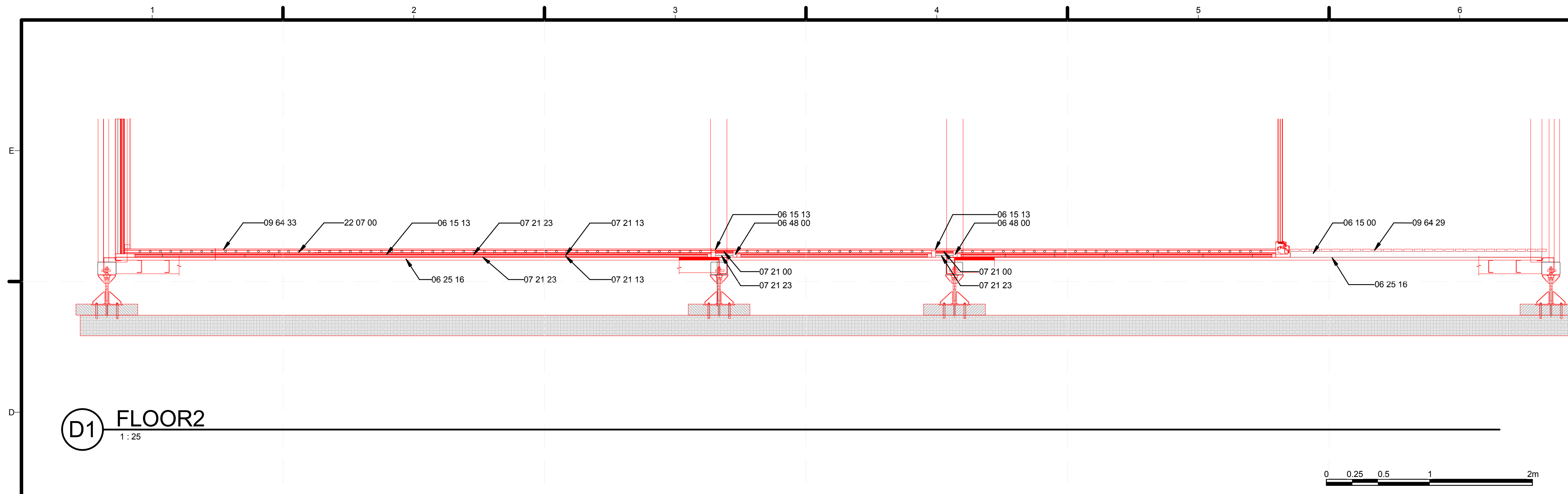
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 DRAWN BY: AUTHOR  
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**SHEET TITLE**

PLAN DETAILS

**A-318**

8/13/2011 11:02:28 AM

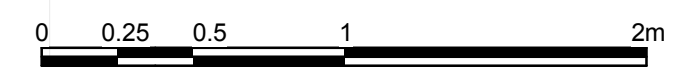


### GENERAL SHEET NOTES

### REFERENCE KEYNOTES

- 06 15 00 WOOD DECKING
- 06 15 13 WOOD FLOOR DECKING
- 06 25 16 PREFINISHED PLYWOOD PANELING
- 06 48 00 WOOD FRAMES
- 07 21 00 THERMAL INSULATION
- 07 21 13 BOARD INSULATION
- 07 21 23 BLOWN INSULATION
- 08 50 00 WINDOWS
- 09 64 29 WOOD STRIP AND PLANK FLOORING
- 09 64 33 LAMINATED WOOD FLOORING
- 22 07 00 PLUMBING INSULATION

**D1 FLOOR2**  
1:25



### PROJECT LOGO

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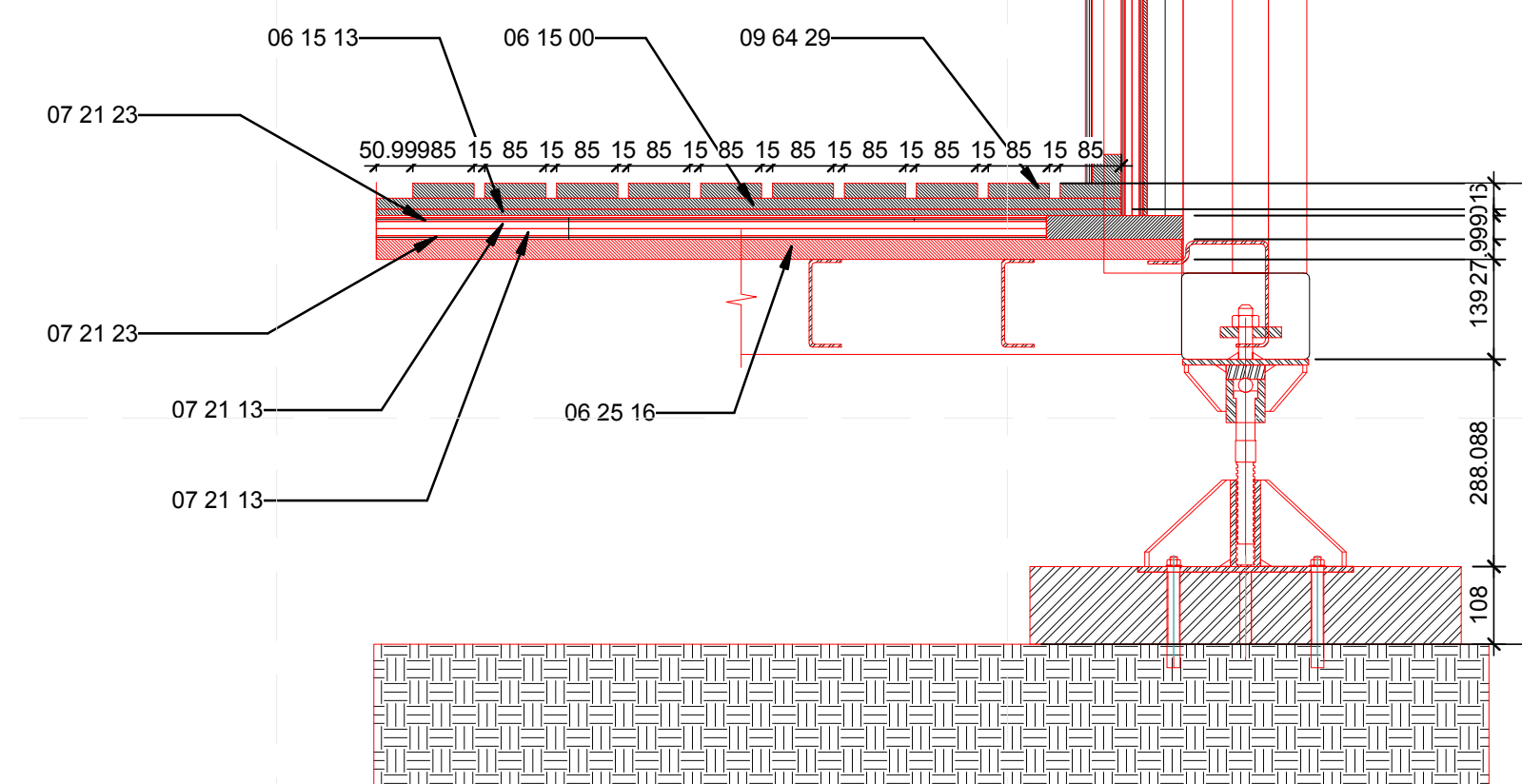
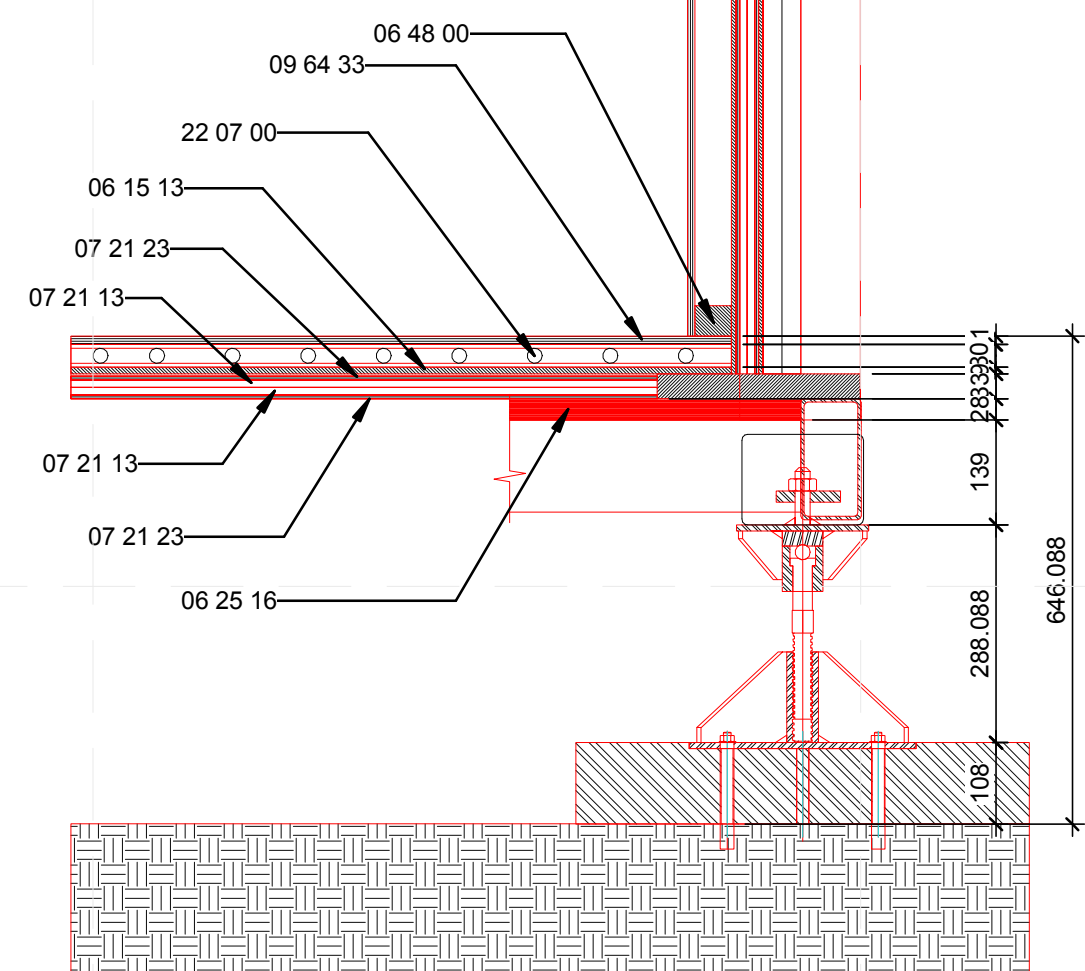
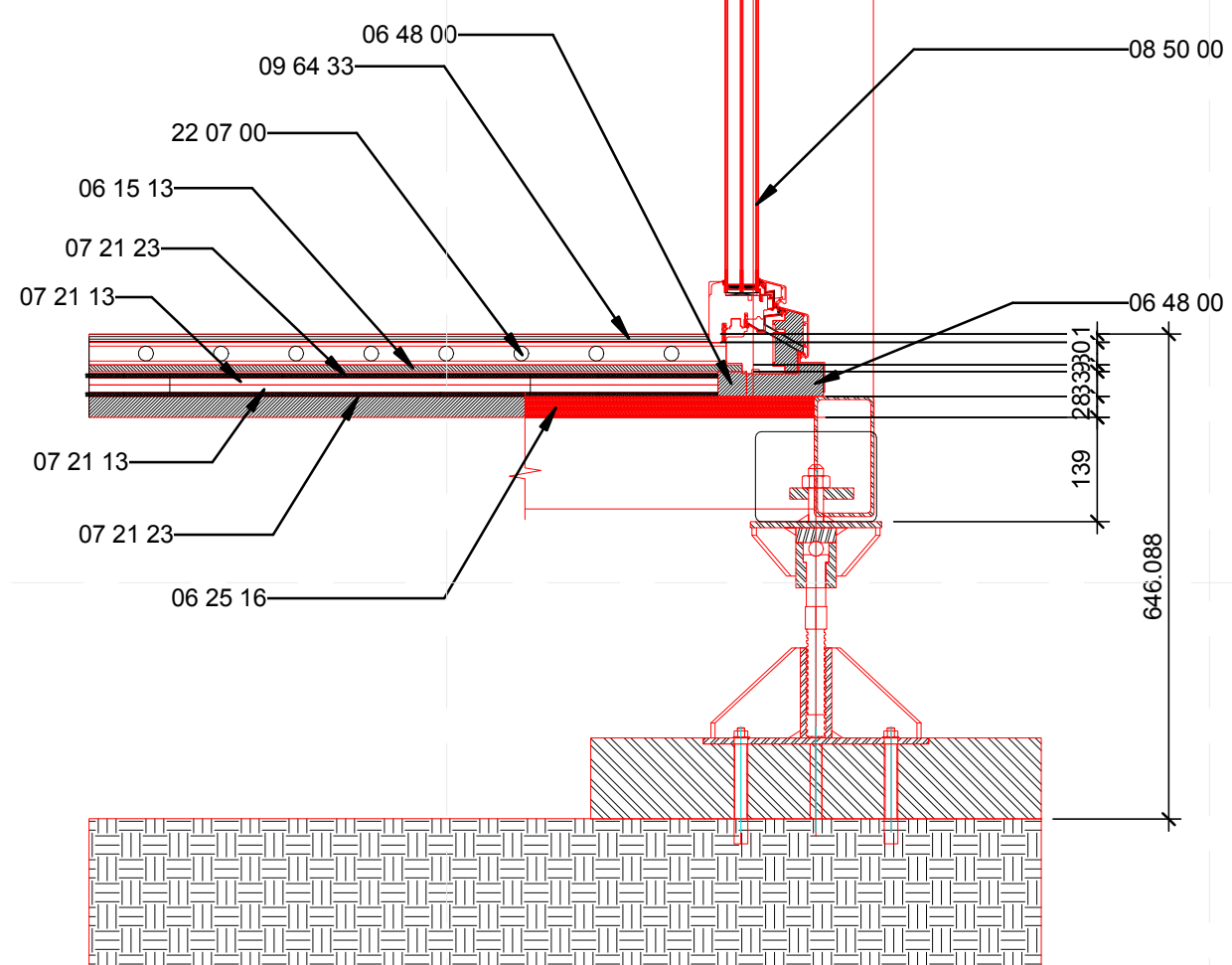


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### SHEET TITLE

FLOOR SECTIONS

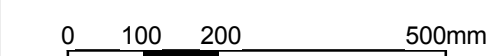
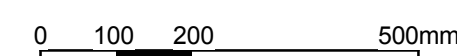
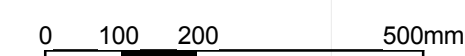
A-321



**A1 WINDOW3**  
1:10

**A3 FLOOR DETAIL3**  
1:10

**A5 BATHROOM3**  
1:10



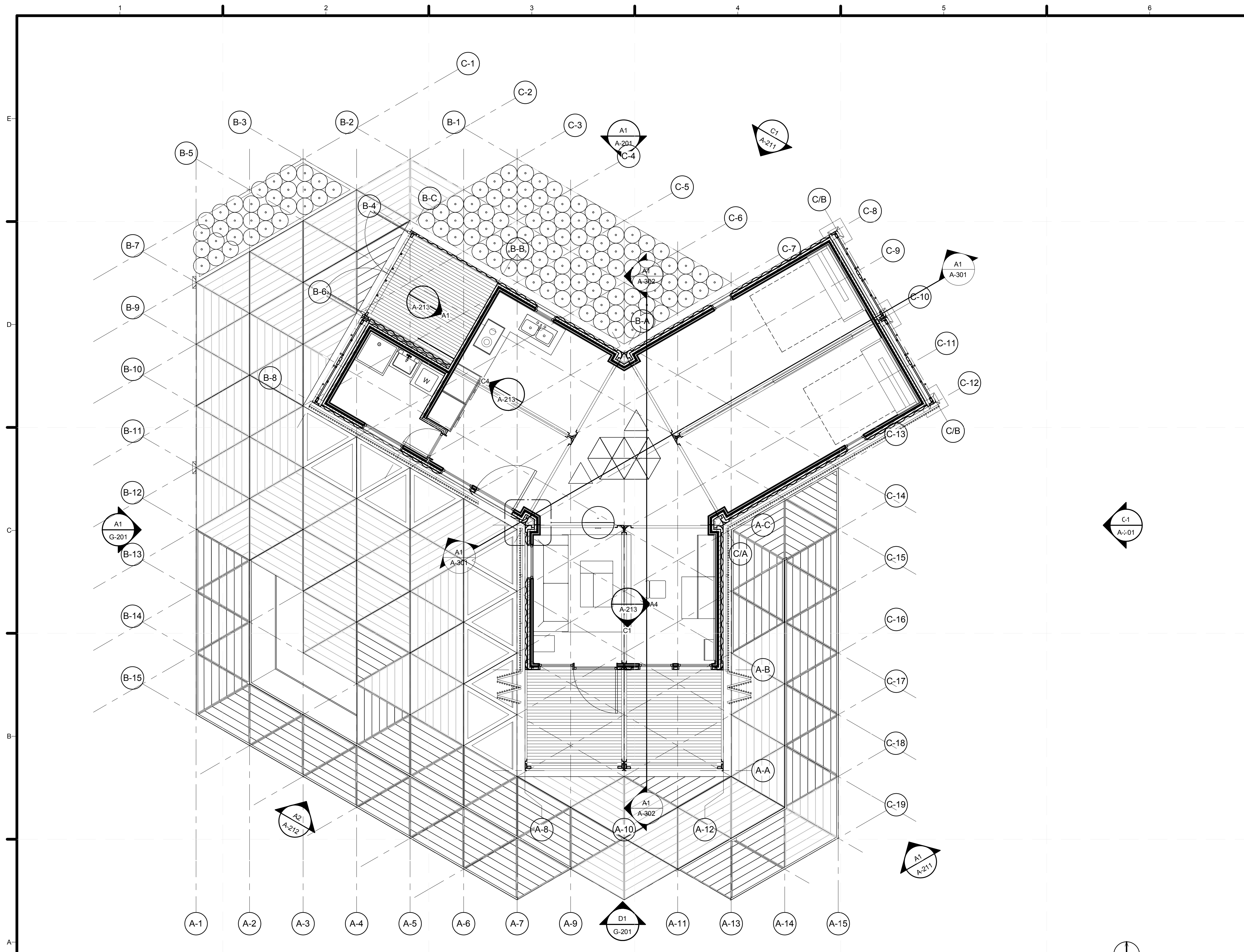






04	74	Y_door_egress
5	74	

N CASEWORK SCHEDULE							
MARK	COUNT	SIZE			FINISH	MANUFACTURER	COMMENTS
		WIDTH	HEIGHT	DEPTH			



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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MARK	DATE	DESCRIPTION

SHEET TITLE  
**LARGE SCALE PLANS**

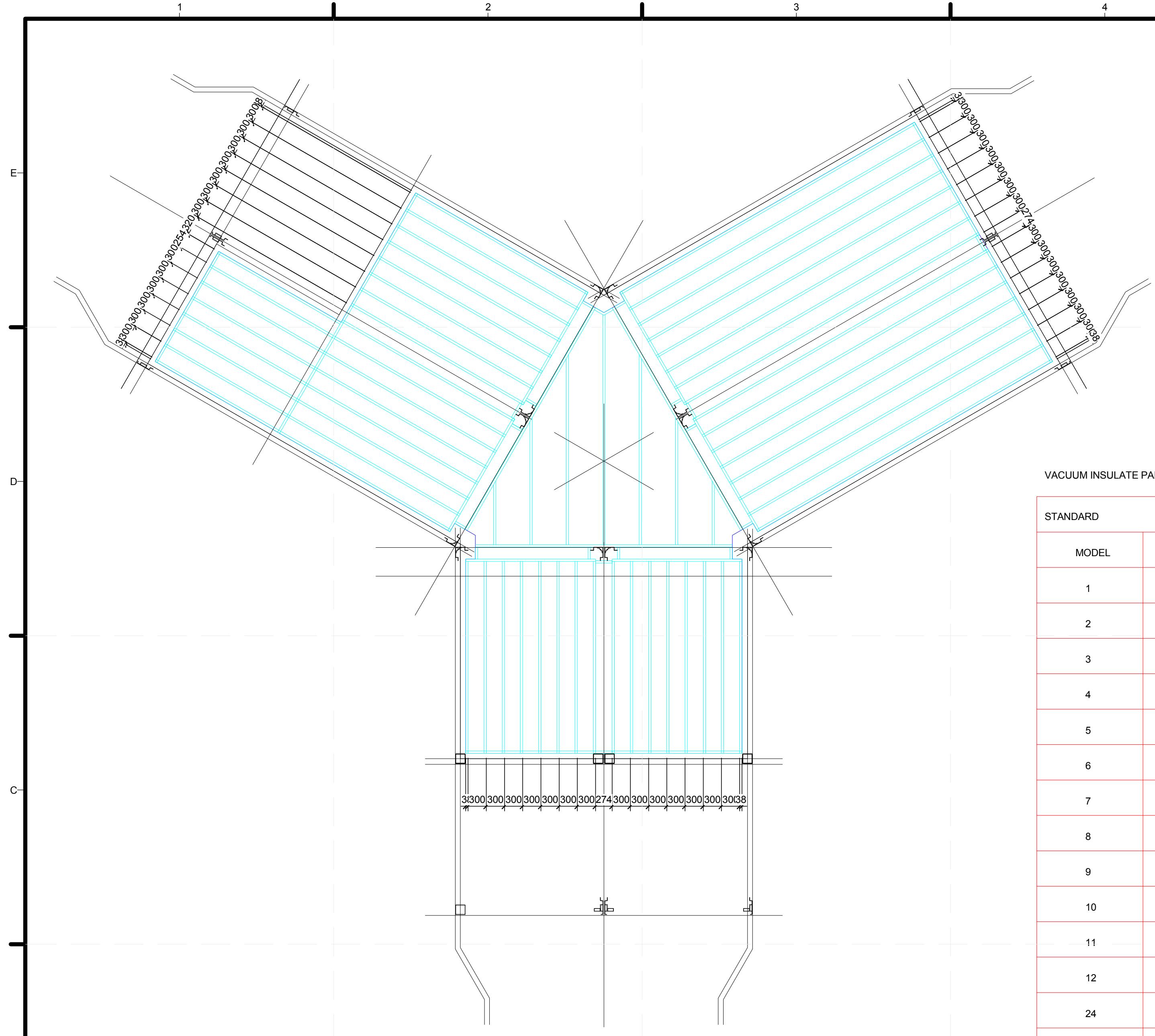
**A-401**

**A1** FIRST FLOOR LARGE SCALE PLAN  
 1:50



02:46 AM





GENERAL SHEET NOTES

REFERENCE KEYNOTES

PROJECT LOGO

TEAM NAME: TEAM CHINA  
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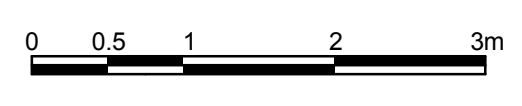


VACUUM INSULATE PANELS LISTS OF FLOORS

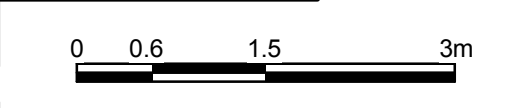
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MODEL	SIZE	AMOUNT
1	428X262	692
2	250X262	28
3	320X262	28
4	372X262	12
5	239X262	28
6	480X216	8
7	372X216	2
8	1105X600	12
9	856X600	8
10	254X600	2
11	509X600	4
12	184X51	2
24	184X157	2
25	274X480	42
26	274X288	2
27	274X584	2
28	480X198	32
29	268X198	12
SUM		918

NON-STANDARD			
MODEL	SIZE	AMOUNT	SAMPLE
13	1200X694	4	
14	346X600	6	
15	640X370	2	
16	106X184	2	
17	125X254	2	
18	157X235	2	
19	600X1039	4	
20	600X725	2	
21	170X928	2	
22	185X633	2	
23	157X640	2	
SUM		30	

A1 KEEL2  
1:50



A4 FLOOR VIP SCHEDULE2  
1:60



8/13/2011 11:02:52 AM

MARK	DATE	DESCRIPTION

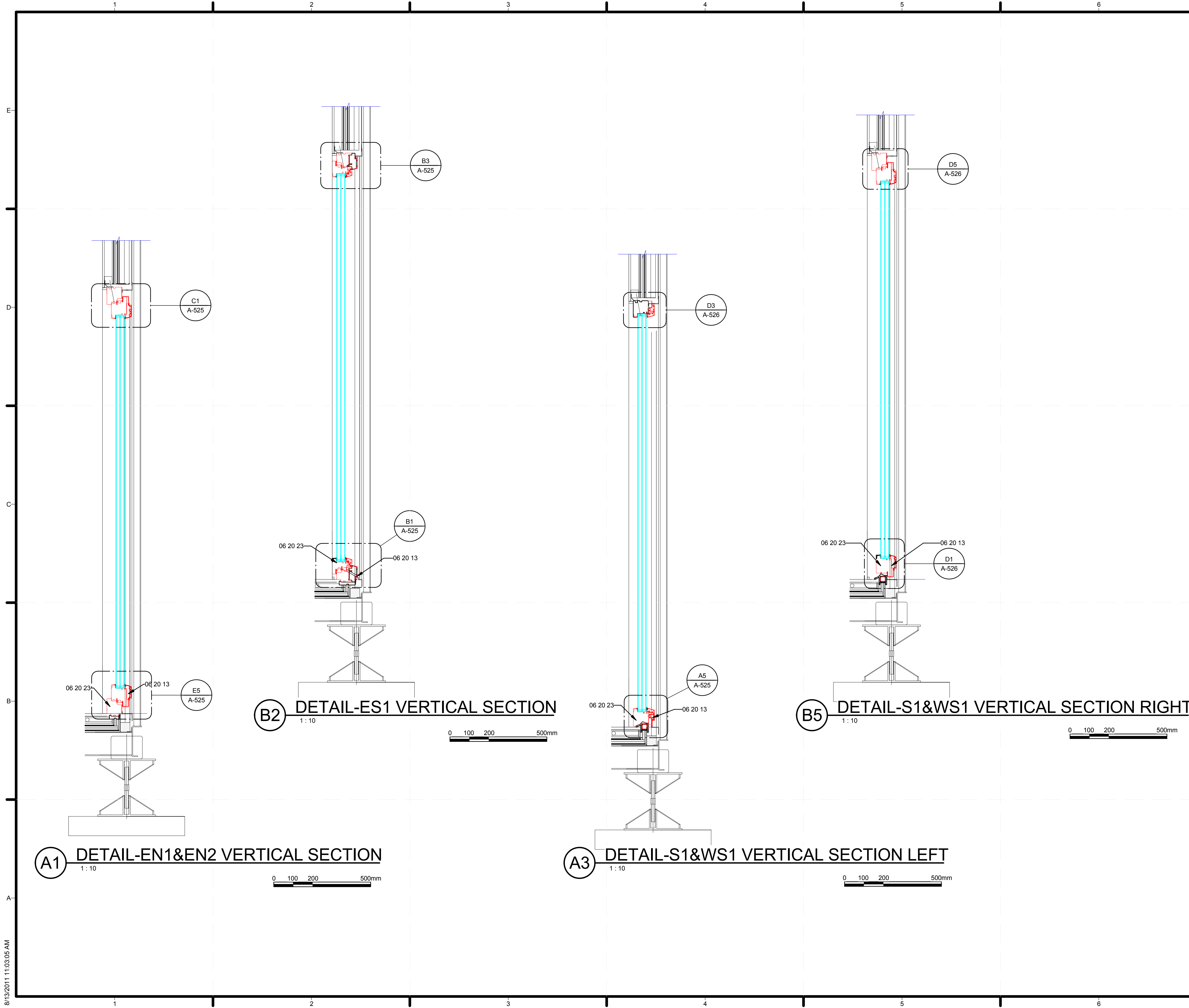
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 DRAWN BY: AUTHOR  
 CHECKED BY: CHECKER  
 COPYRIGHT: NONE: PROJECT IS PUBLIC DOMAIN

SHEET TITLE  
 PLAN DETAILS

A-502







**GENERAL SHEET NOTES**

1. THE GRAPHS SHOW THE VERTICAL SECTIONS OF THE OPENINGS.

**REFERENCE KEYNOTES**

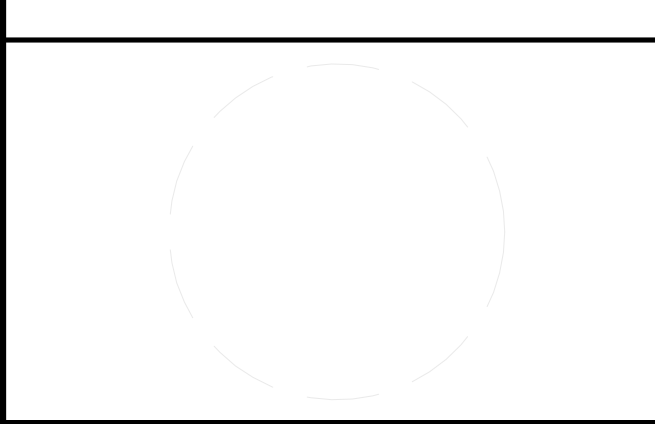
06 20 13 EXTERIOR FINISH CARPENTRY  
06 20 23 INTERIOR FINISH CARPENTRY

**SHEET KEYNOTES**

**PROJECT LOGO**

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ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
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CHINA  
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MARK	DATE	DESCRIPTION

SHEET TITLE  
**WINDOW&DOOR  
DETAILS3**

**A-523**



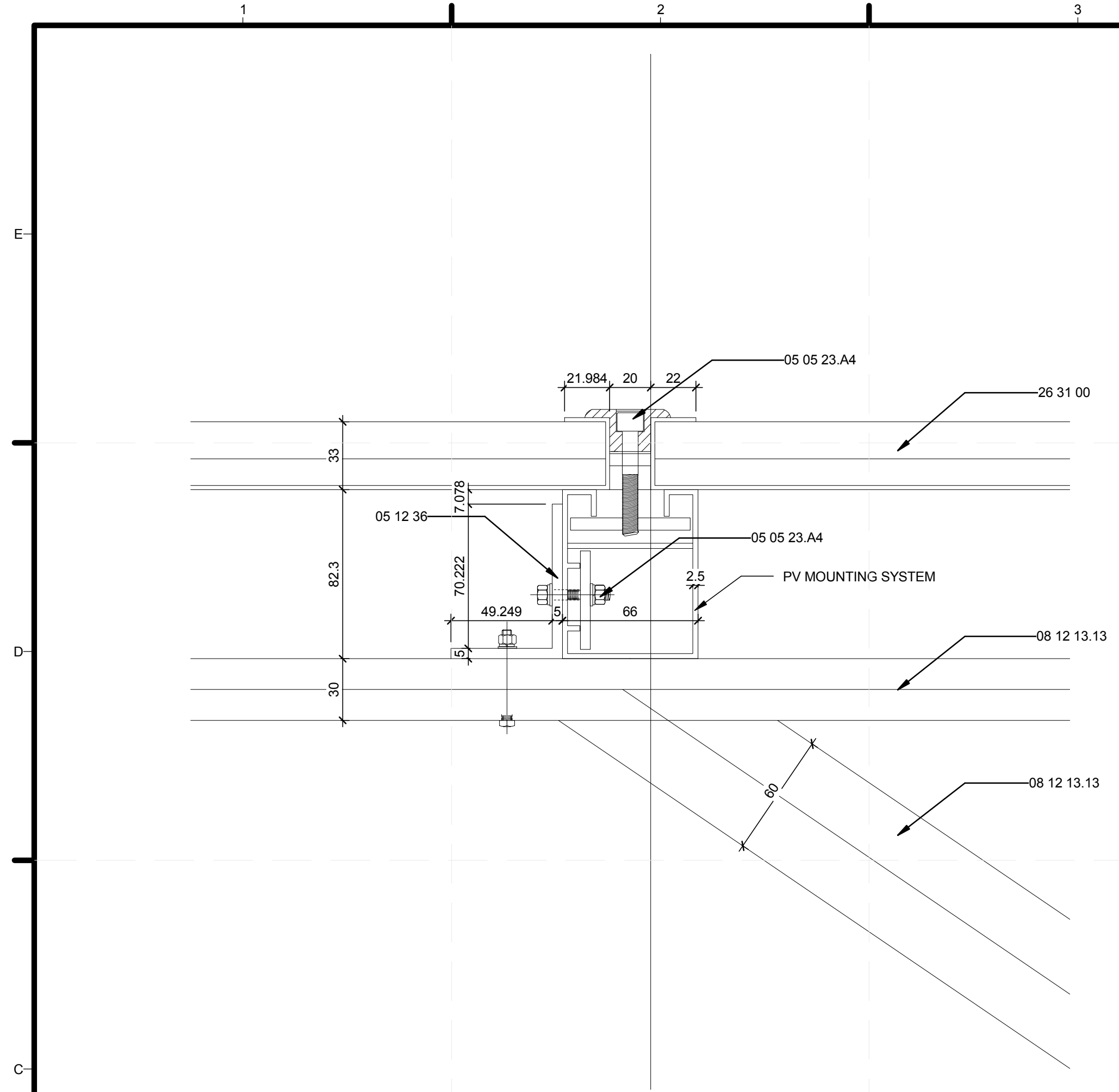




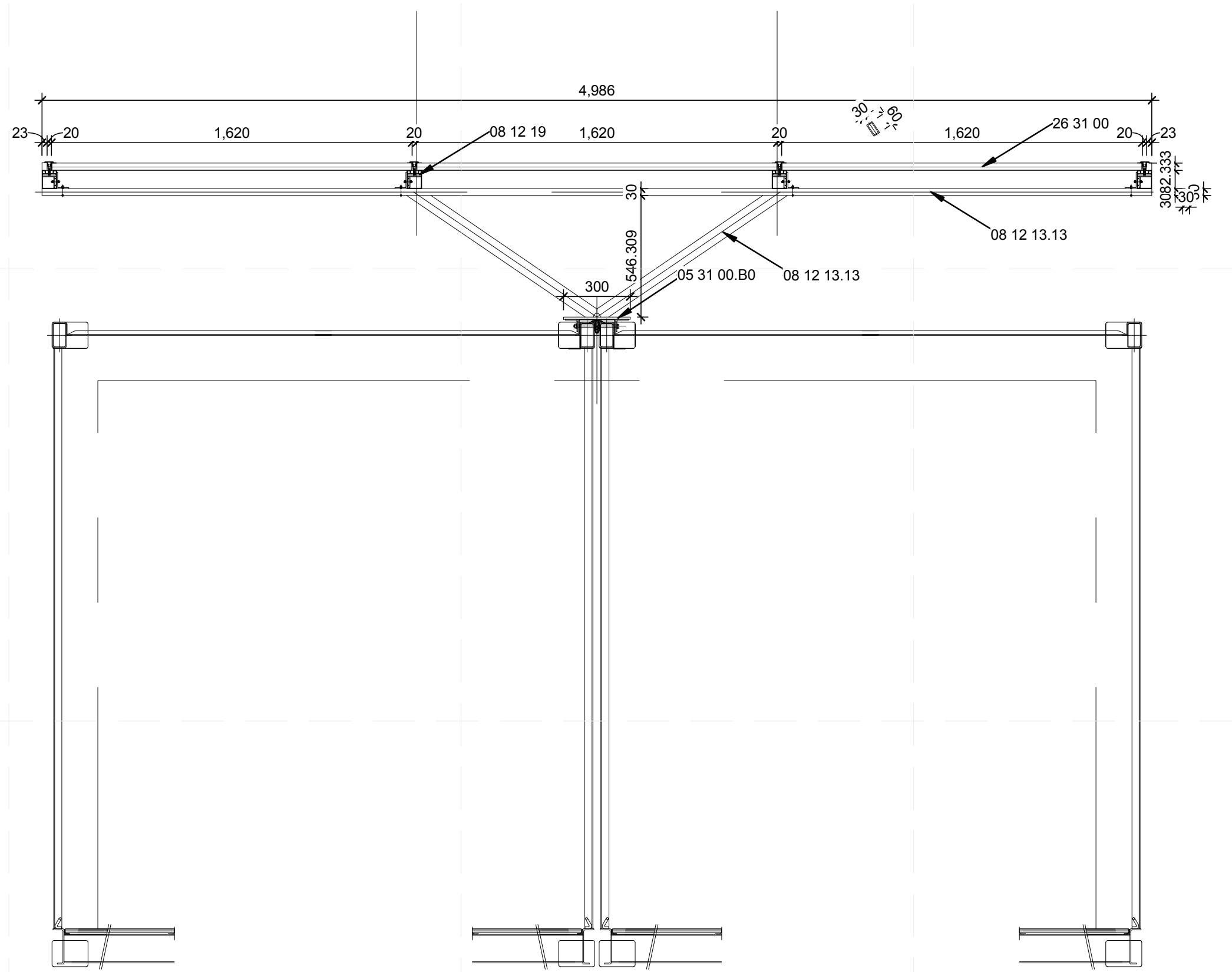
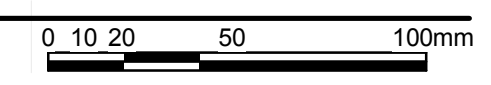




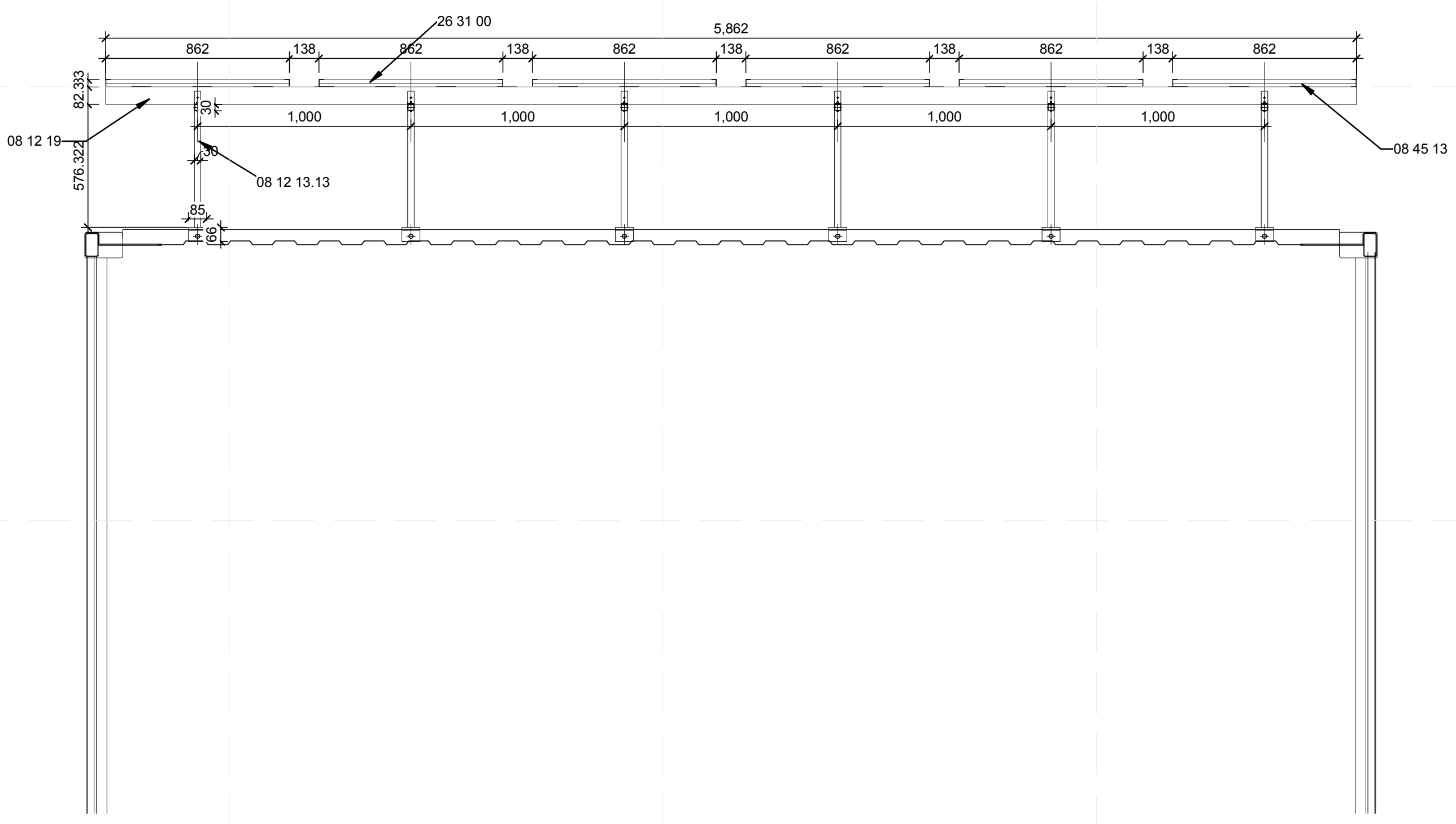
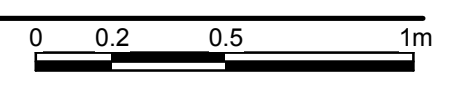




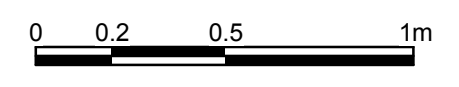
**C1** ROOF PV DETAILS  
1:2



**C4** ROOF PV MOUNTING SECTION  
1:20



**A1** ROOF PV MOUNTING SECTION  
1:20



**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

05 05 23.A4	7/8" A307 BOLT
05 12 36	L SHAPE
05 31 00.B0	METAL DECK
08 12 13.13	STANDARD HOLLOW METAL FRAMES
08 12 19	STAINLESS-STEEL FRAMES
08 45 13	STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES
26 31 00	PHOTOVOLTAIC COLLECTORS

**SHEET KEYNOTES**



TEAM NAME: TEAM CHINA  
ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
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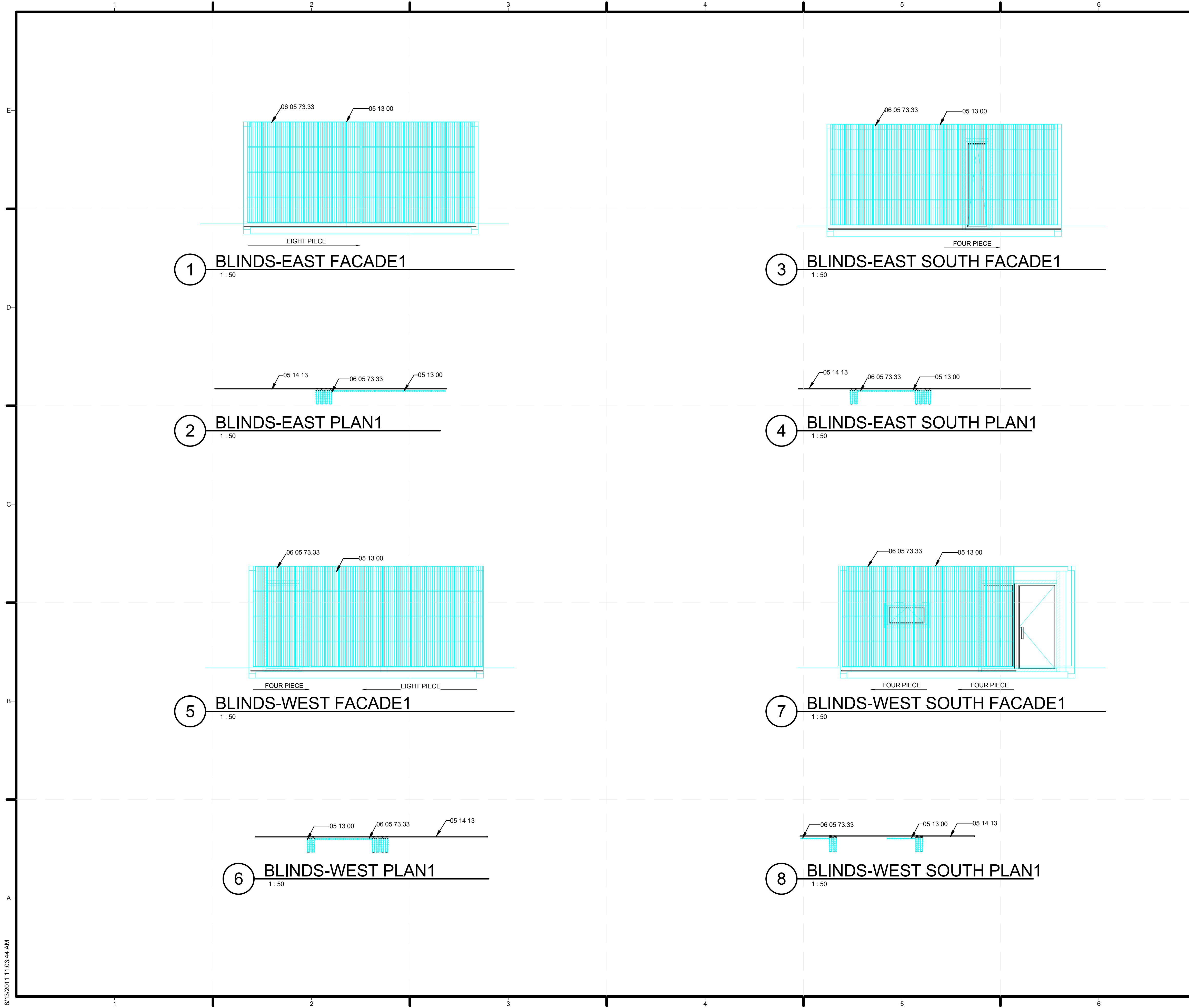
SHEET TITLE  
**PV MOUNTING DETAILS**

**A-551**









**GENERAL SHEET NOTES**

1. THE GRAPHES SHOW THE MOVEABLE CHARACTOR OF THE BLINDS.

**REFERENCE KEYNOTES**

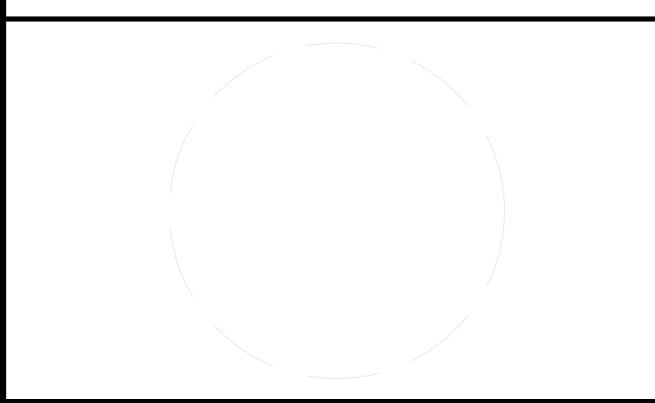
05 13 00 STRUCTURAL STAINLESS-STEEL FRAMING  
 05 14 13 ARCHITECTURALLY-EXPOSED STRUCTURAL ALUMINUM FRAMING  
 06 05 73.33 PRESERVATIVE WOOD TREATMENT

**SHEET KEYNOTES**



TEAM NAME: TEAM CHINA  
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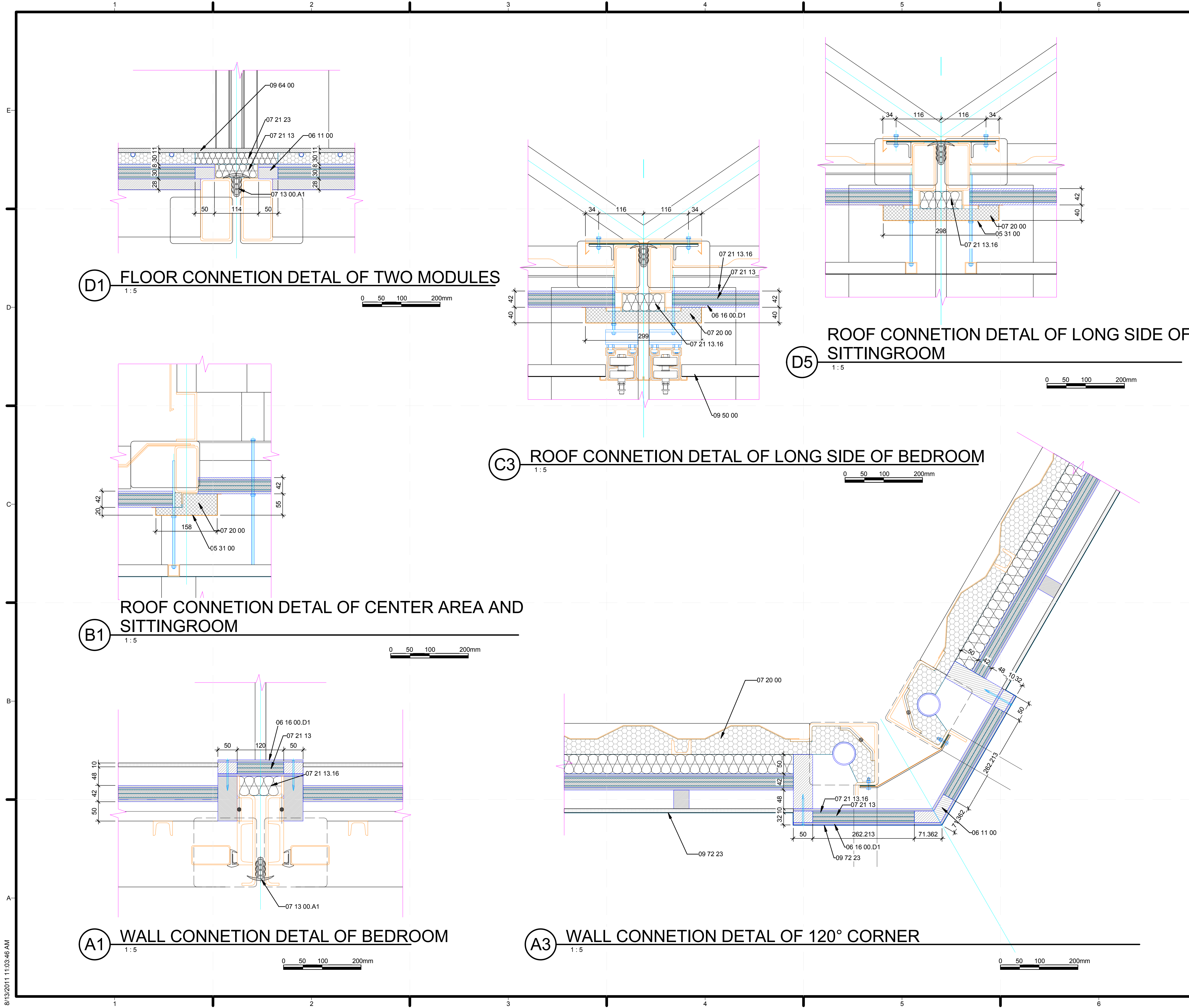
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MARK	DATE	DESCRIPTION

SHEET TITLE  
**MOVEABLE COMPONENT DIAGRAM**

**A-603**



GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 31 00	STEEL DECKING
06 11 00	WOOD FRAMING
06 16 00.D1	PLYWOOD SHEATHING
07 13 00.A1	NEOPRENE SHEET WATERPROOFING
07 20 00	THERMAL PROTECTION
07 21 13	BOARD INSULATION
07 21 13.16	FIBROUS BOARD INSULATION
07 21 23	BLOWN INSULATION
09 50 00	CEILING
09 64 00	WOOD FLOORING
09 72 23	WALLPAPERING

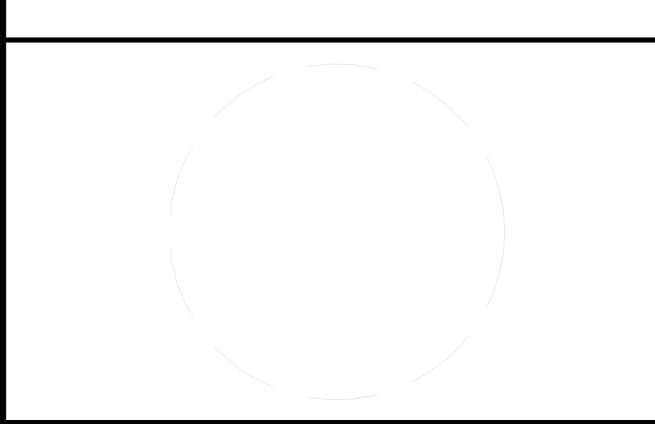
SHEET KEYNOTES



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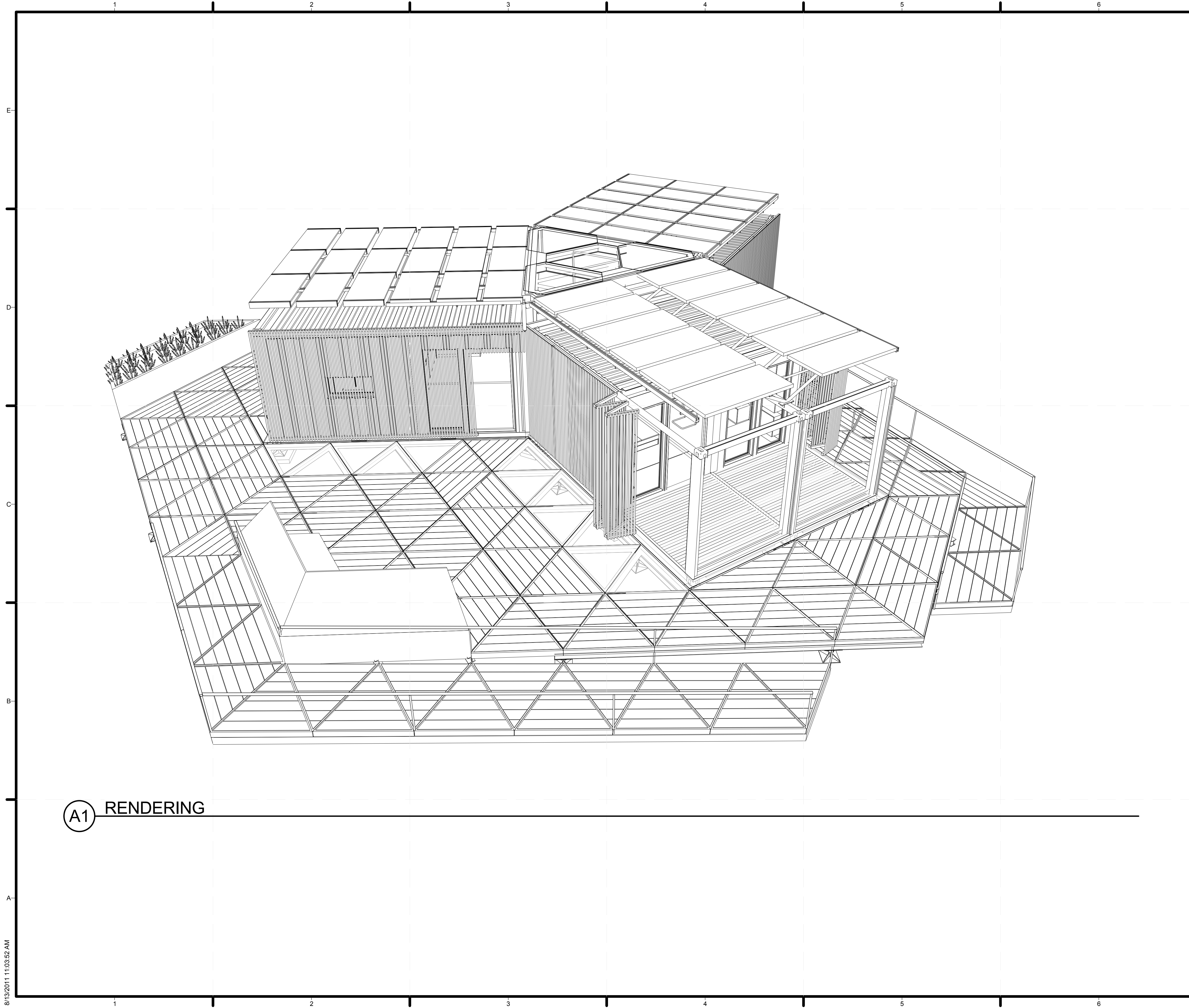
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SHEET TITLE

TYPICAL DETAILS

A-701

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(A1) RENDERING

GENERAL SHEET NOTES

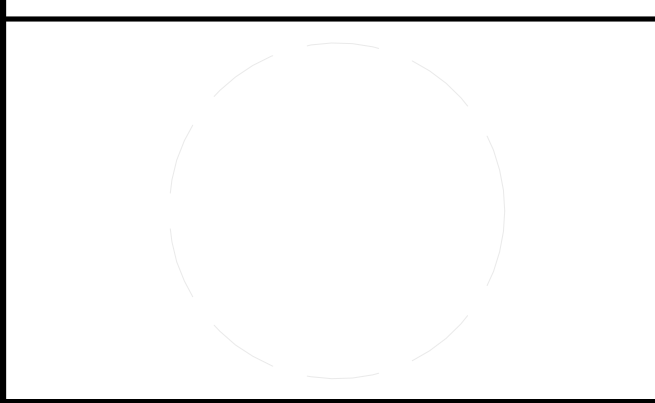
REFERENCE KEYNOTES

SHEET KEYNOTES



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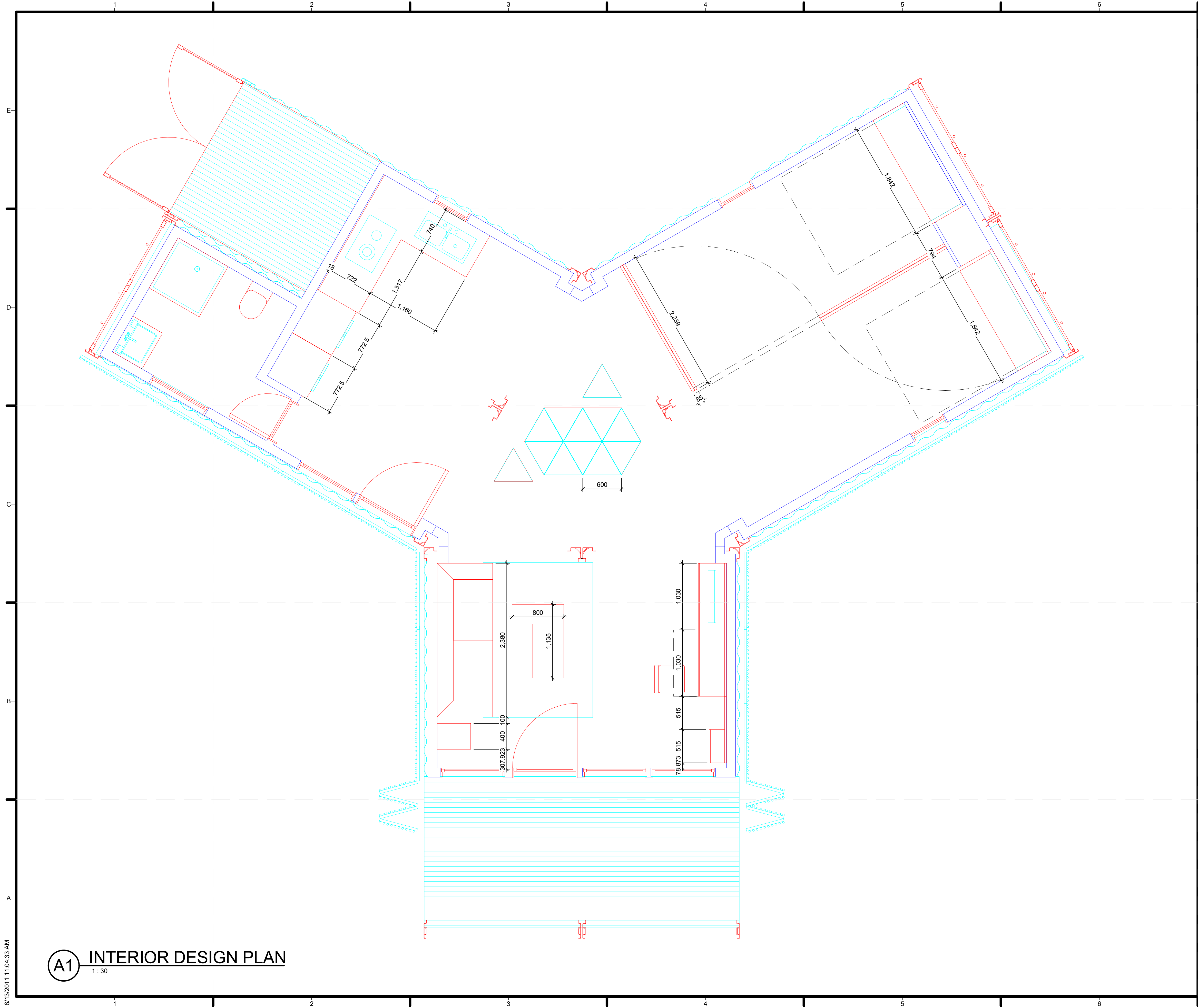


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SHEET TITLE  
 ARCHITECTURAL  
 RENDERINGS

**A-901**



GENERAL SHEET NOTES

REFERENCE KEYNOTES

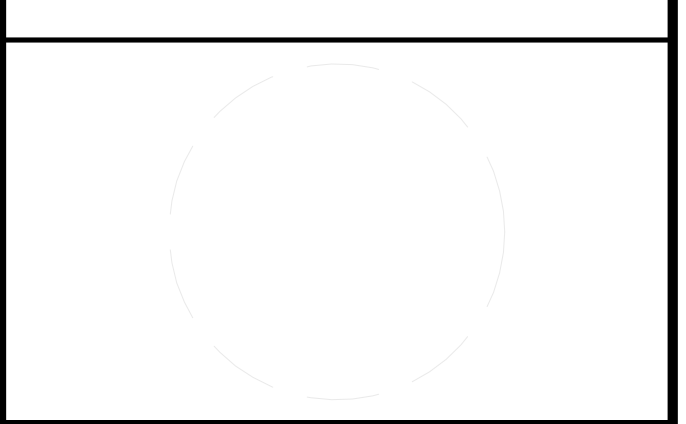
SHEET KEYNOTES

MARK	DATE	DESCRIPTION



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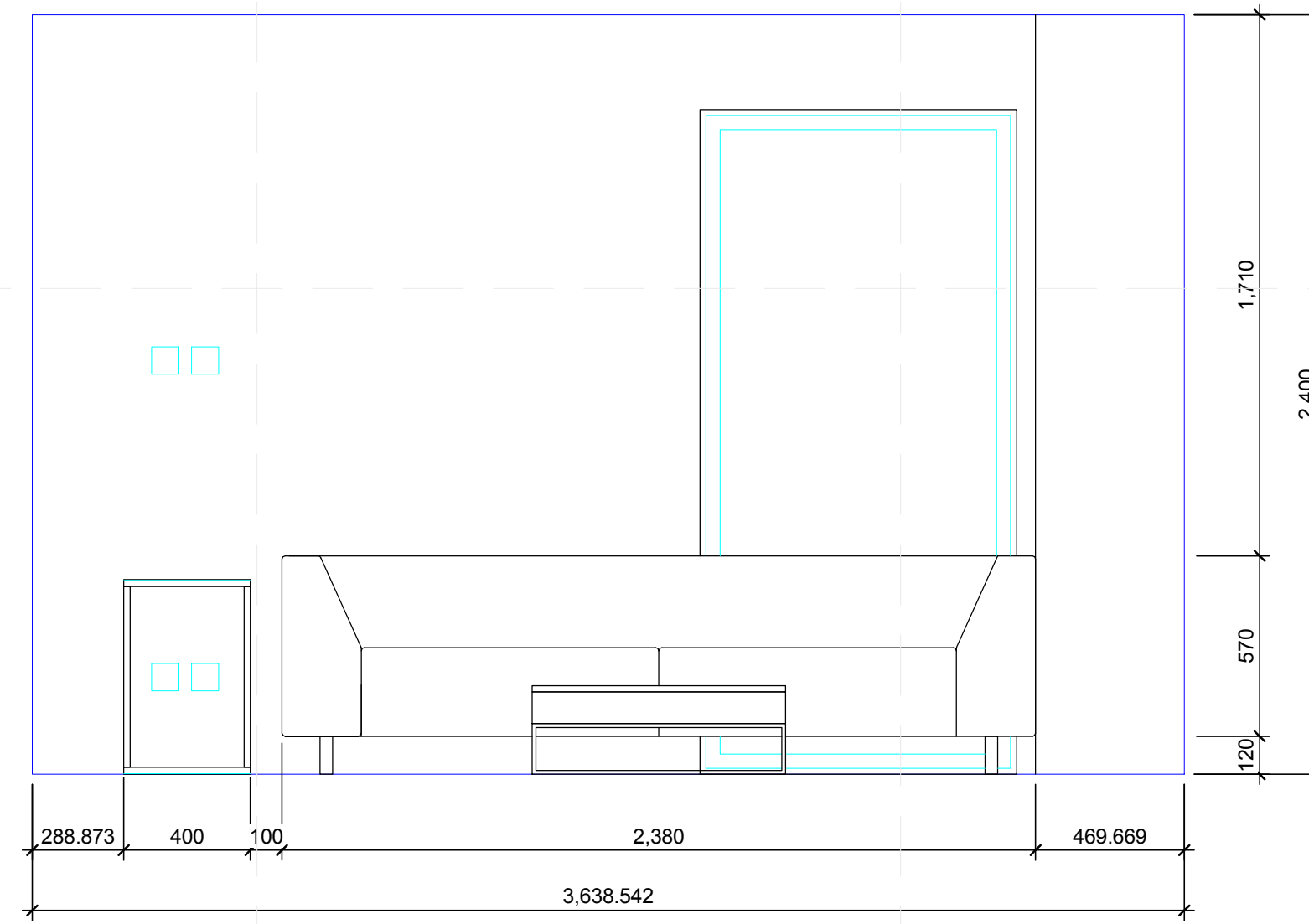
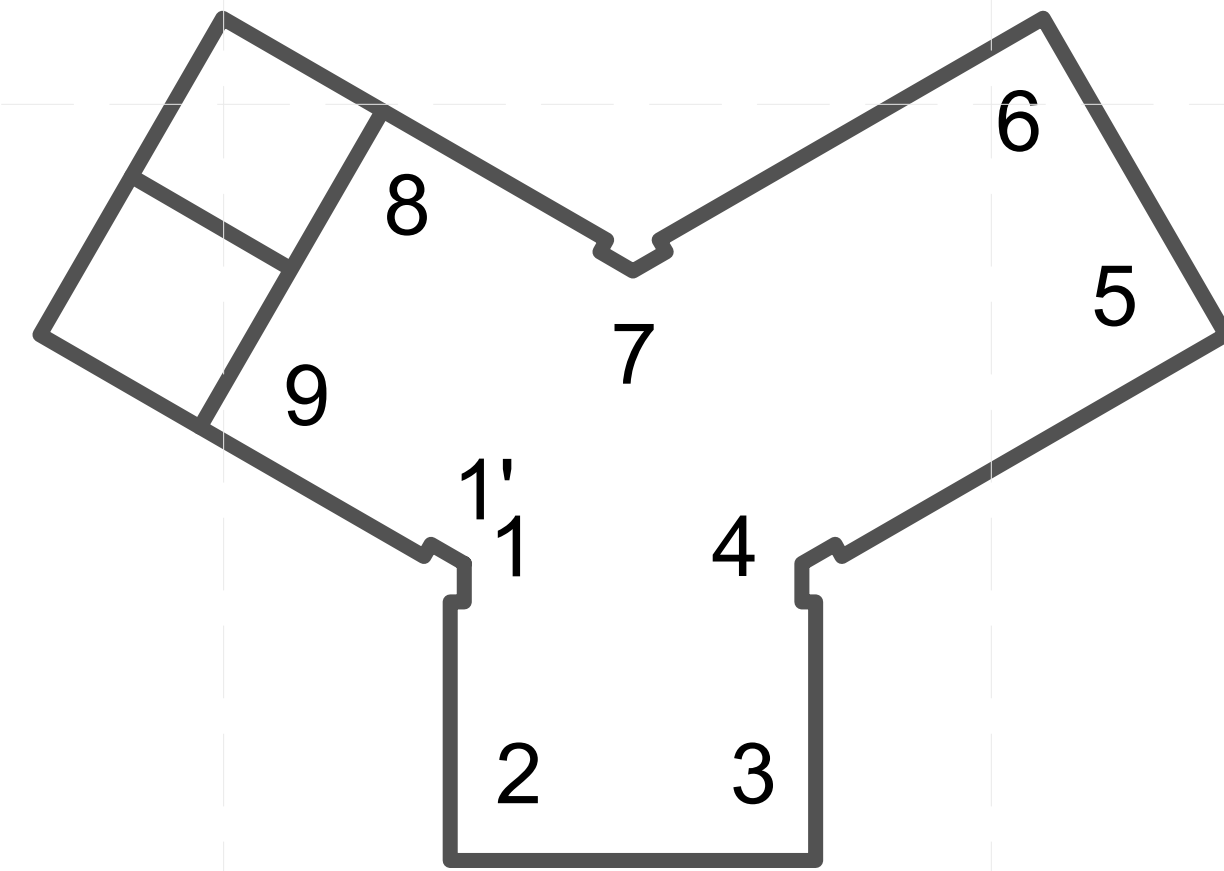
LOT NUMBER: 113  
 DRAWN BY: AUTHOR  
 CHECKED BY: Checker  
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SHEET TITLE  
**INTERIOR FURNISHING  
 PLAN**

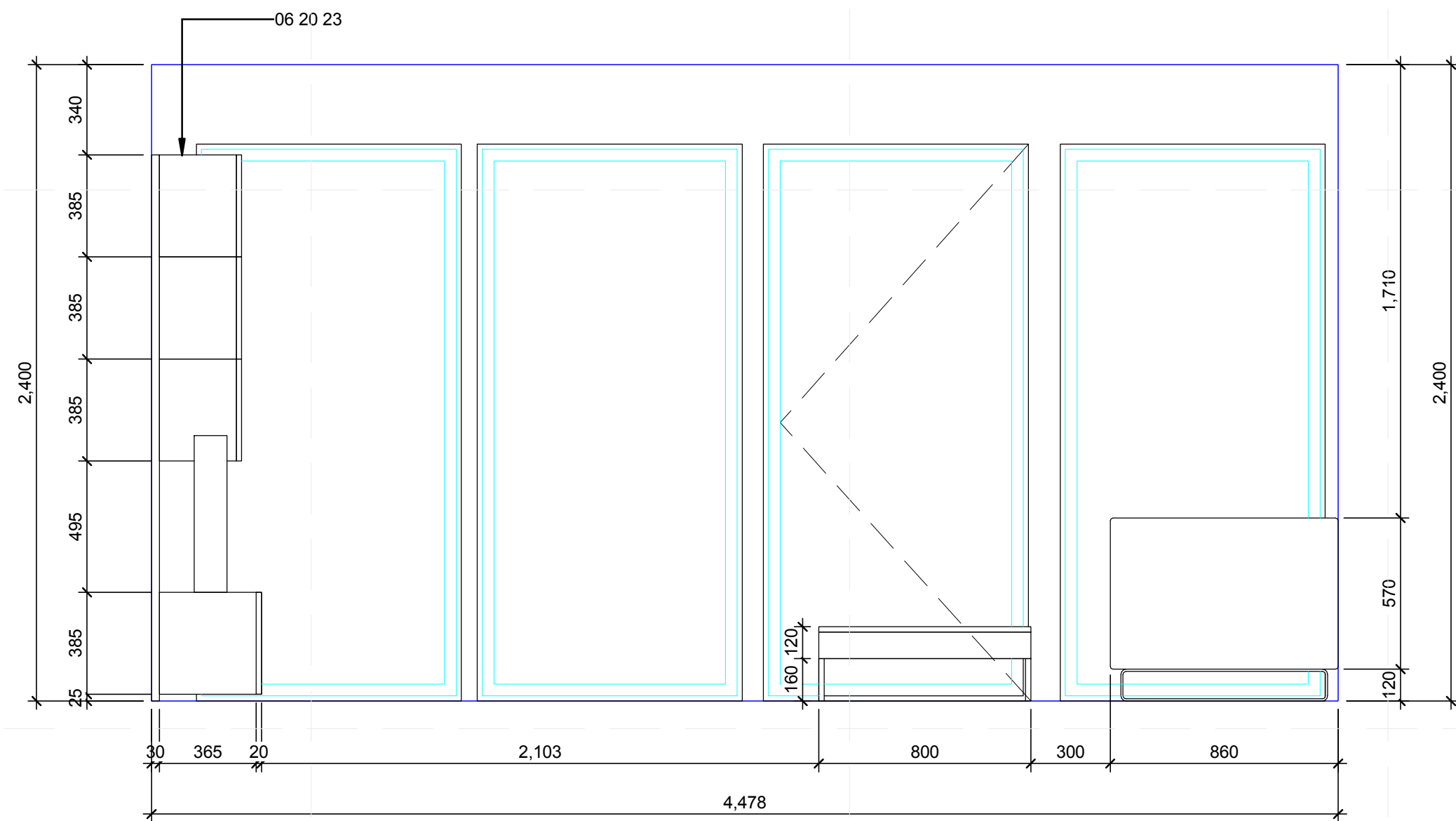
**I-102**

**(A1) INTERIOR DESIGN PLAN**  
 1:30

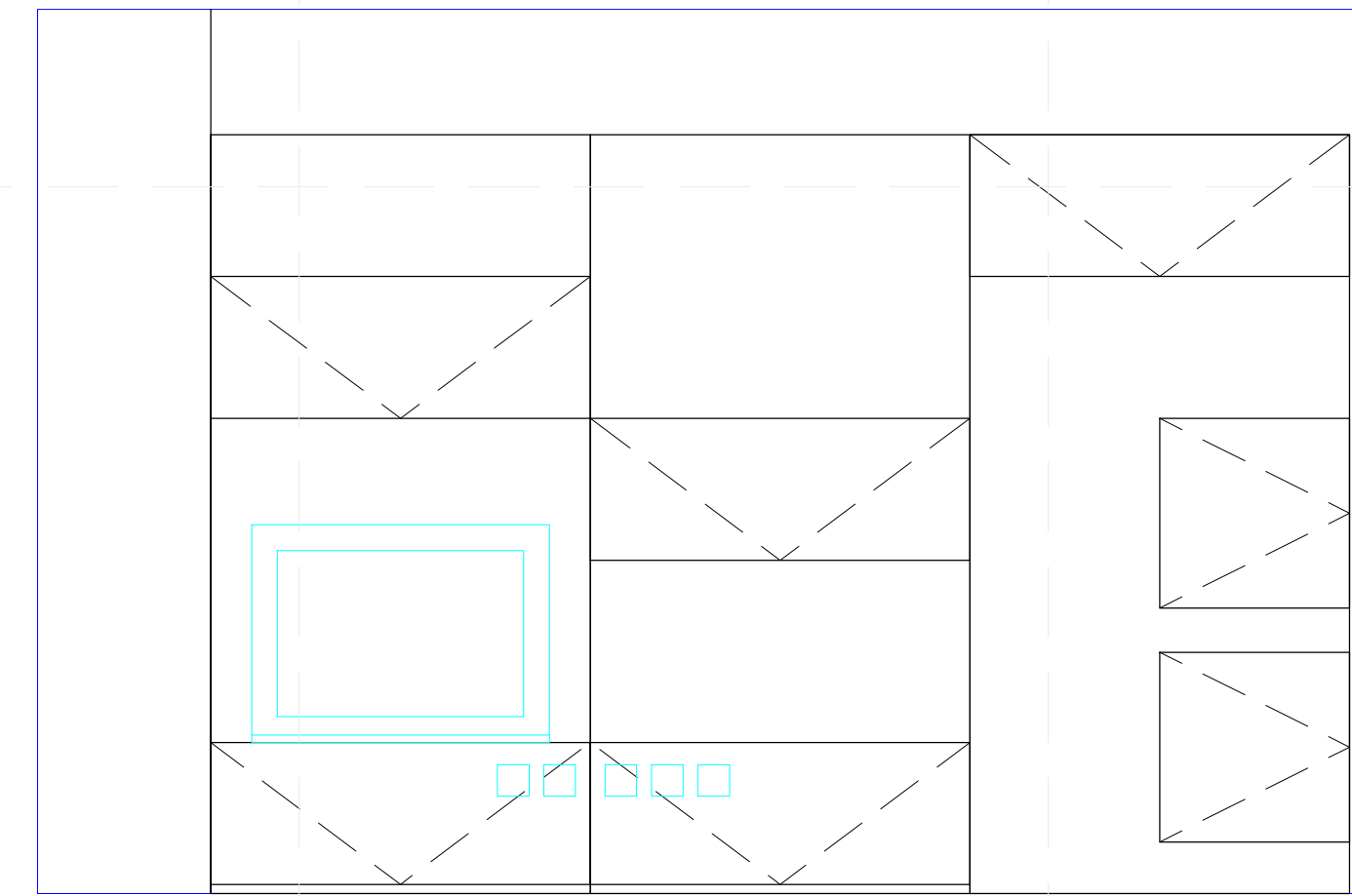
8/13/2011 11:04:33 AM



**A1** ELEVATION 1-2  
1:20



**A3** ELEVATION 2-3  
1:20



**A5** ELEVATION 3-4  
1:20

**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

06 20 23 INTERIOR FINISH CARPENTRY

**SHEET KEYNOTES**



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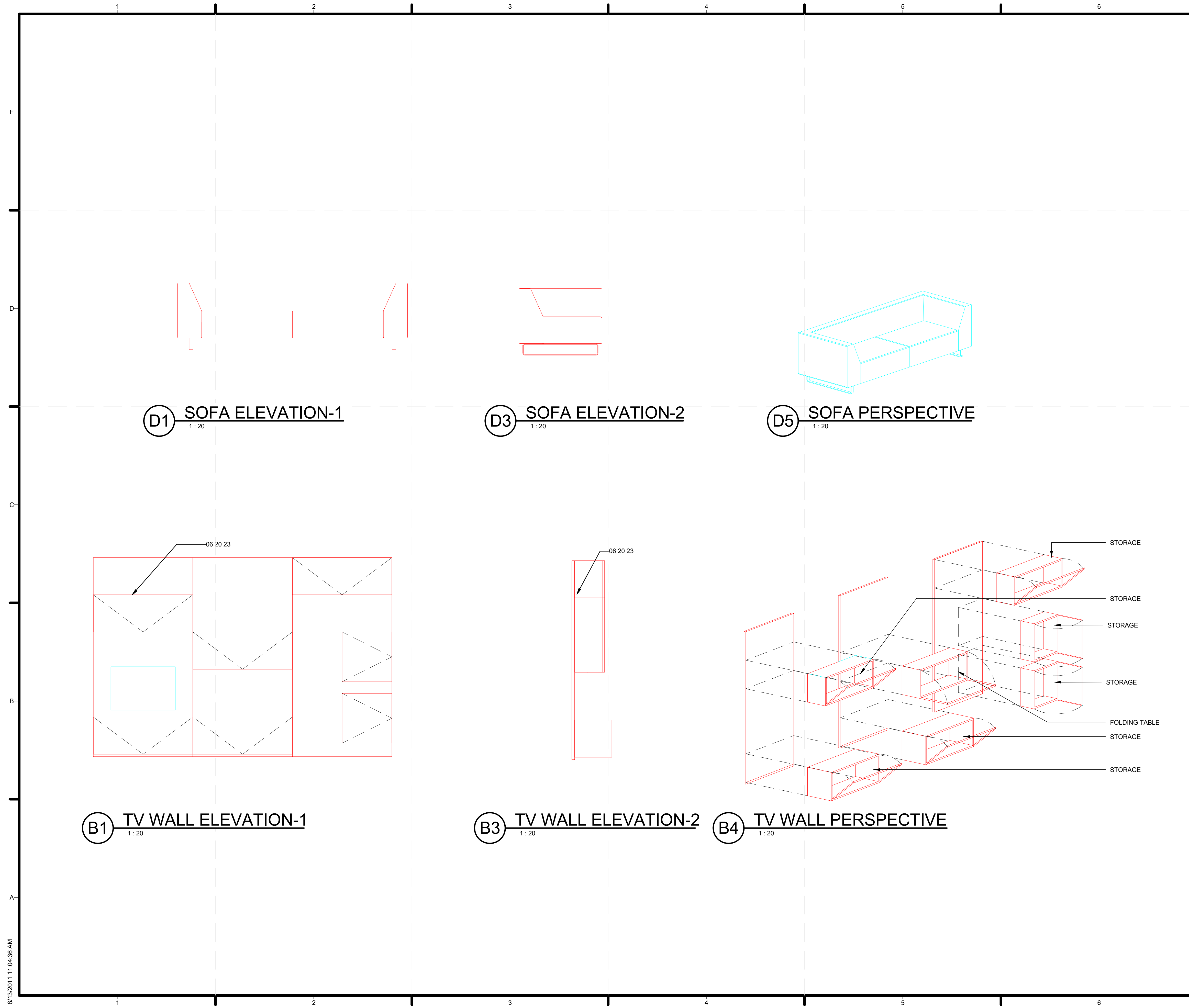
MARK	DATE	DESCRIPTION

LOT NUMBER: 113  
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SHEET TITLE  
**INTERIOR DESIGN ELEVATIONS**

**I-201**

8/13/2011 11:04:34 AM



**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

06 20 23 INTERIOR FINISH CARPENTRY

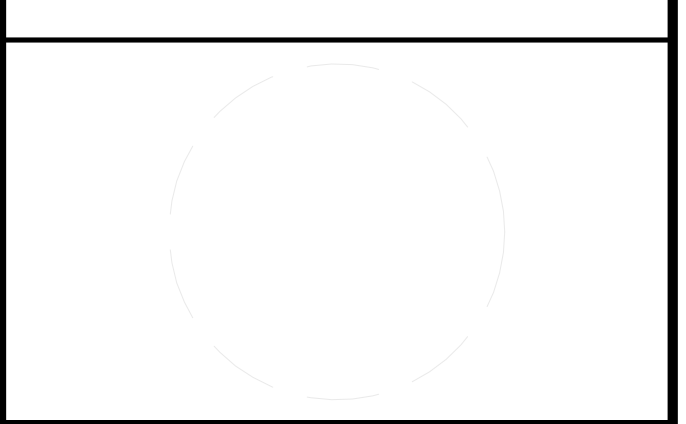
**SHEET KEYNOTES**



**TEAM NAME:** TEAM CHINA  
**ADDRESS:** TONGJI UNIVERSITY SIPING ROAD YANGPU SHANGHAI CHINA  
**CONTACT:** TONG\_TEAM@YAHOO.COM  
<http://www.safekidschina.org/solarDecathlon/index.html>

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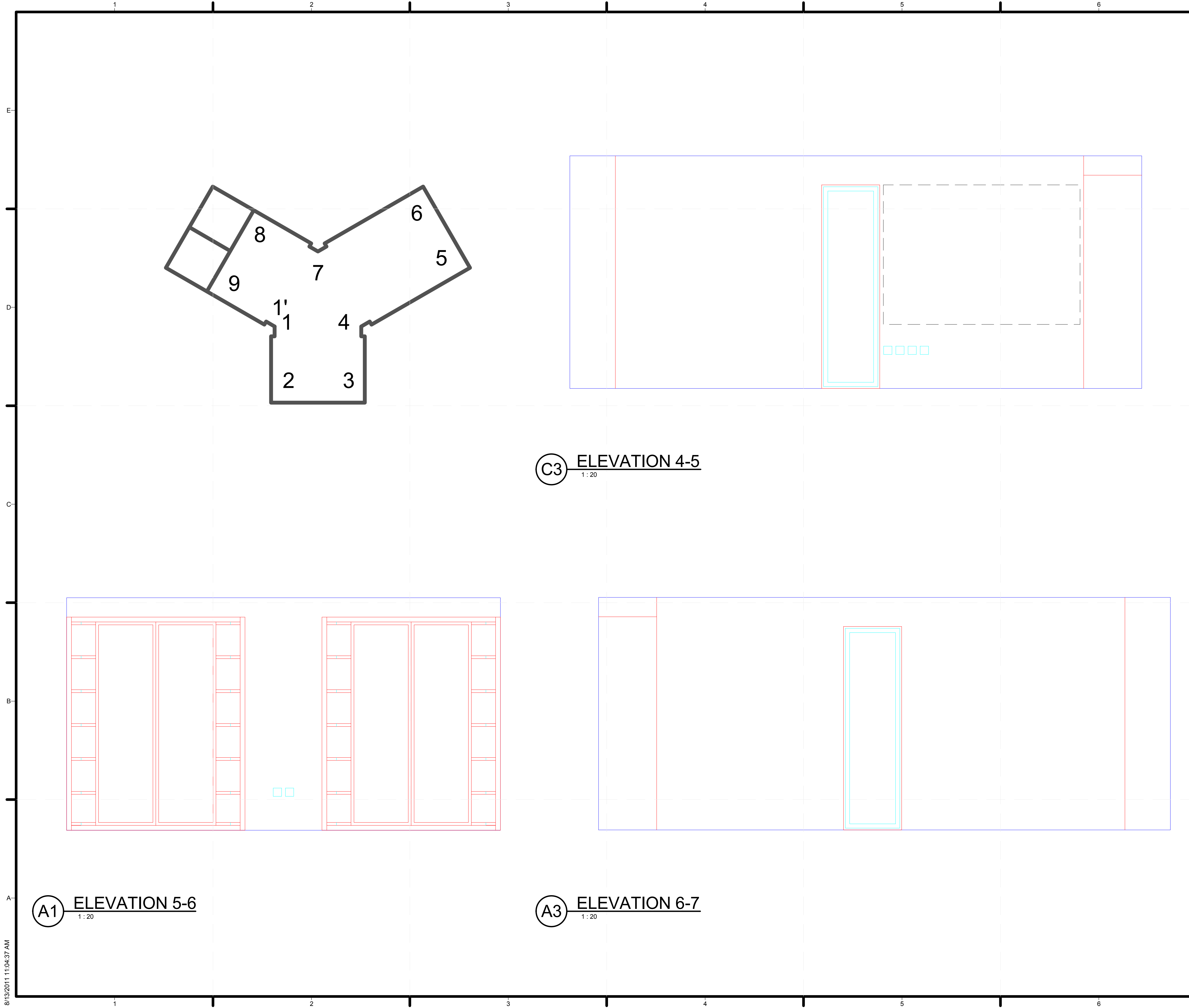
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**SHEET TITLE**

**INTERIOR DESIGN ELEVATIONS**

**I-202**



GENERAL SHEET NOTES

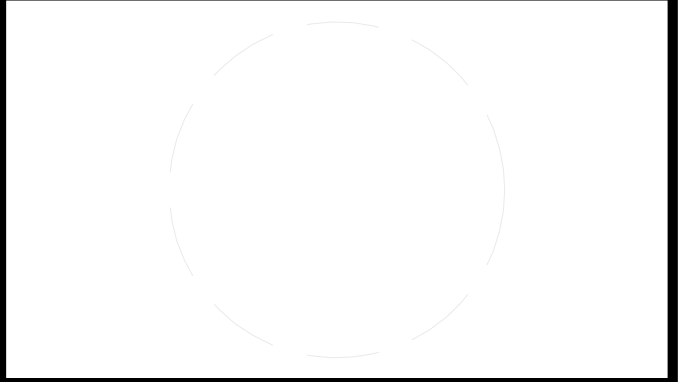
REFERENCE KEYNOTES

SHEET KEYNOTES



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ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
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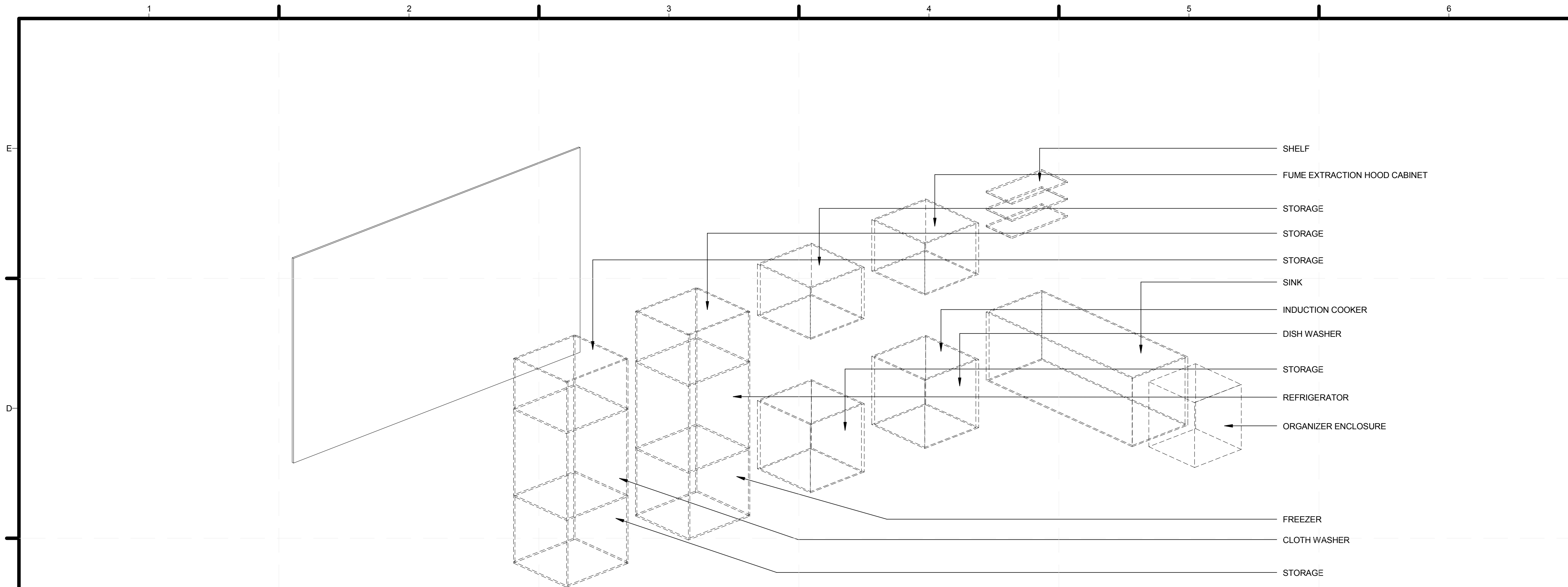


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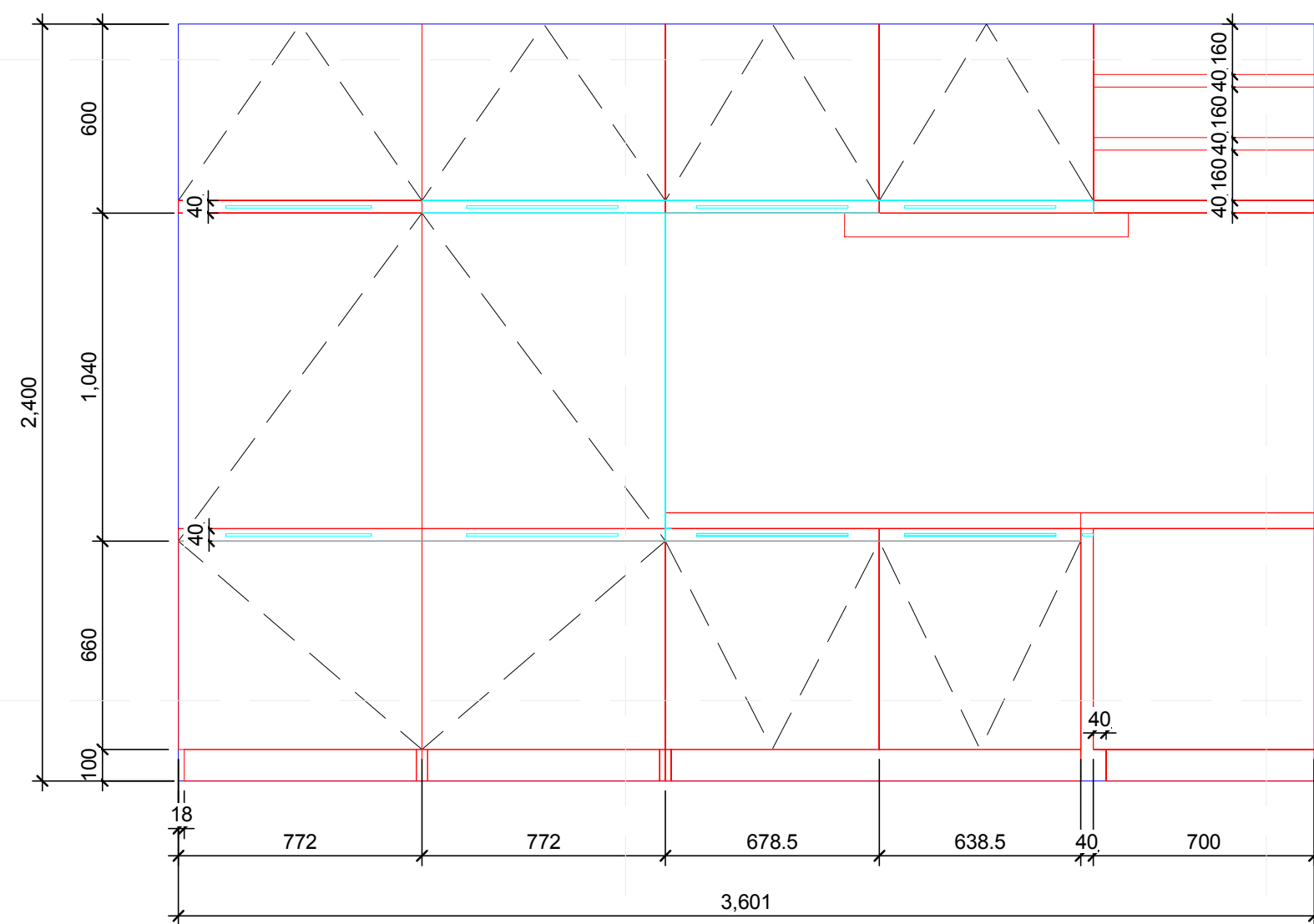
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SHEET TITLE  
**INTERIOR DESIGN ELEVATIONS**

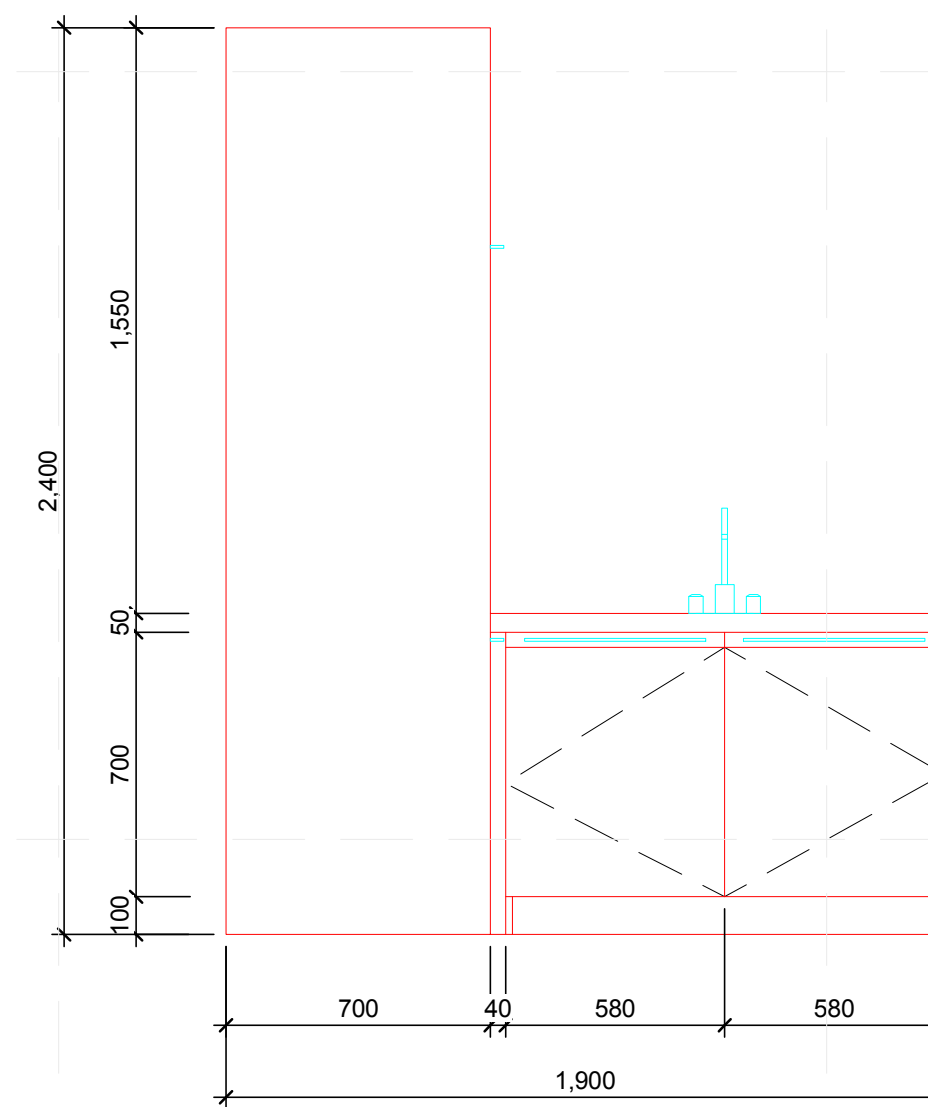
**I-203**



**C2** KITCHEN CABINET PERSPECTIVE 1  
1:30



**A2** KITCHEN CABINET ELEVATION 1  
1:20



**A5** KITCHEN CABINET ELEVATION 2  
1:20

GENERAL SHEET NOTES

REFERENCE KEYNOTES

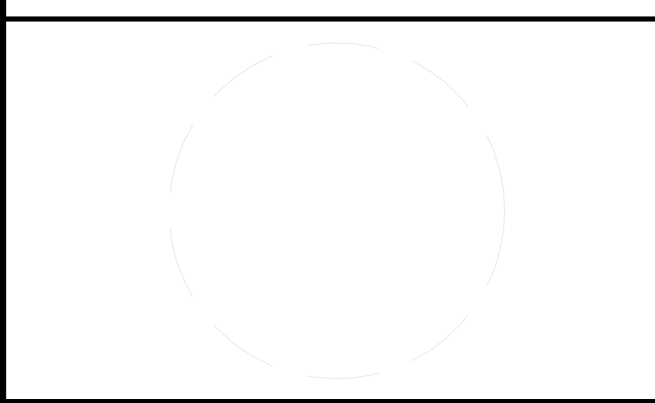
SHEET KEYNOTES

**PROJECT LOGO**

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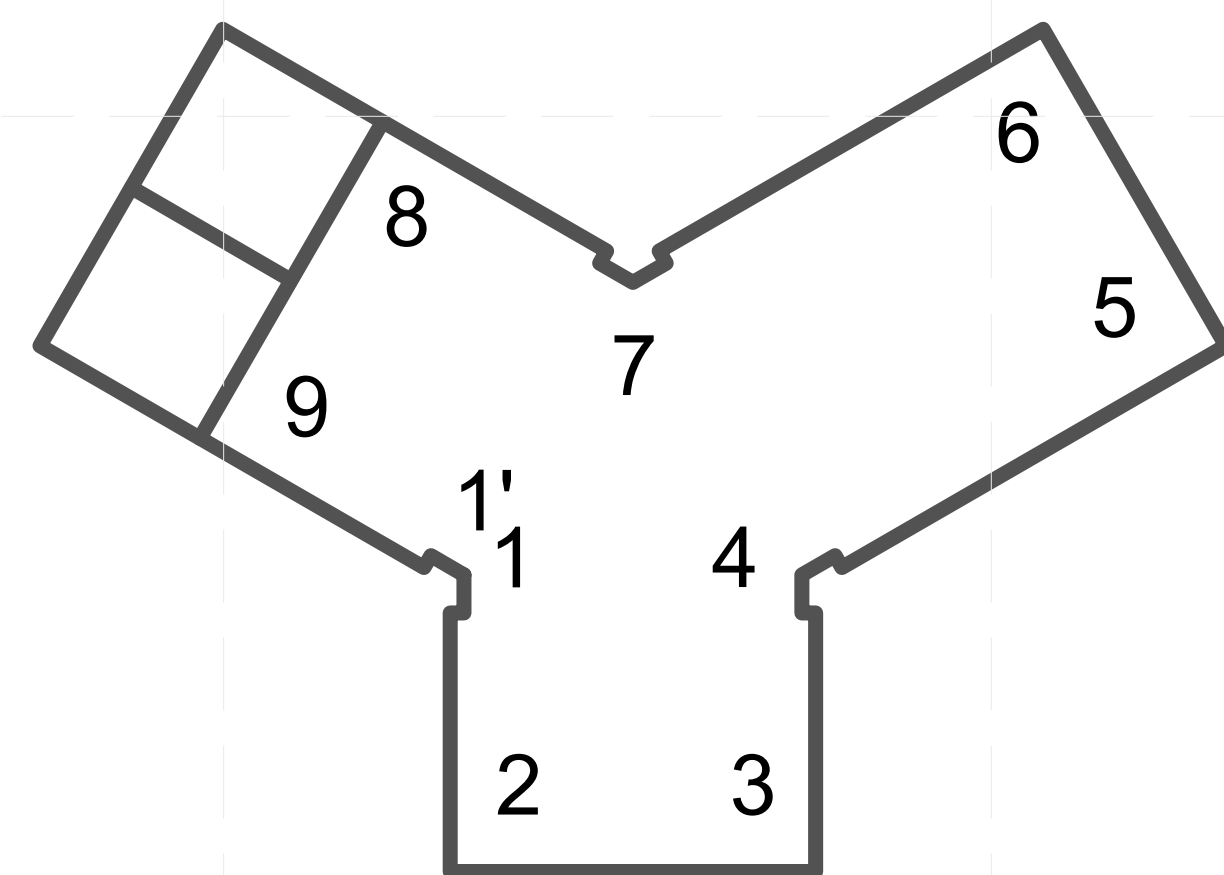
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SHEET TITLE

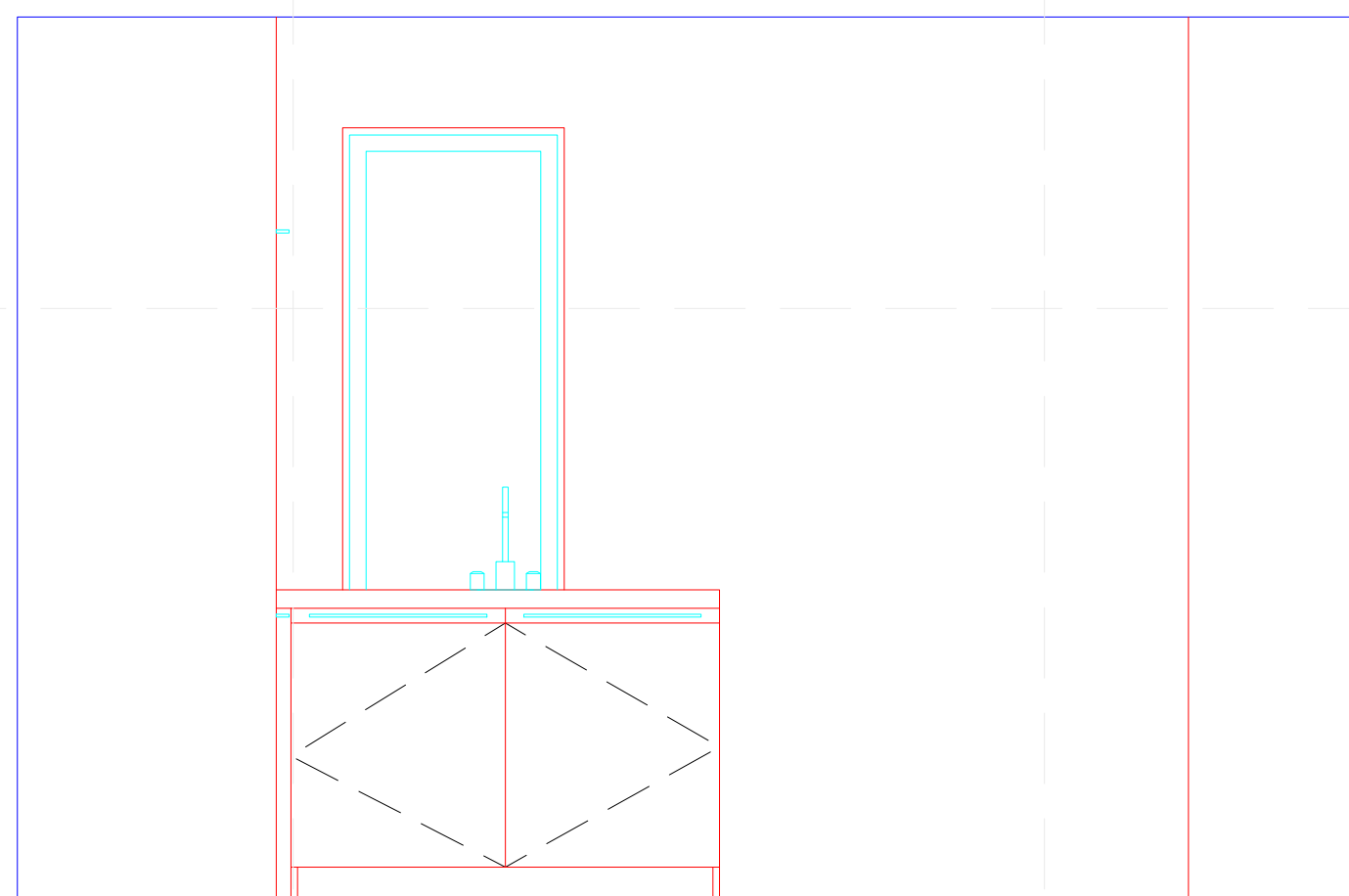
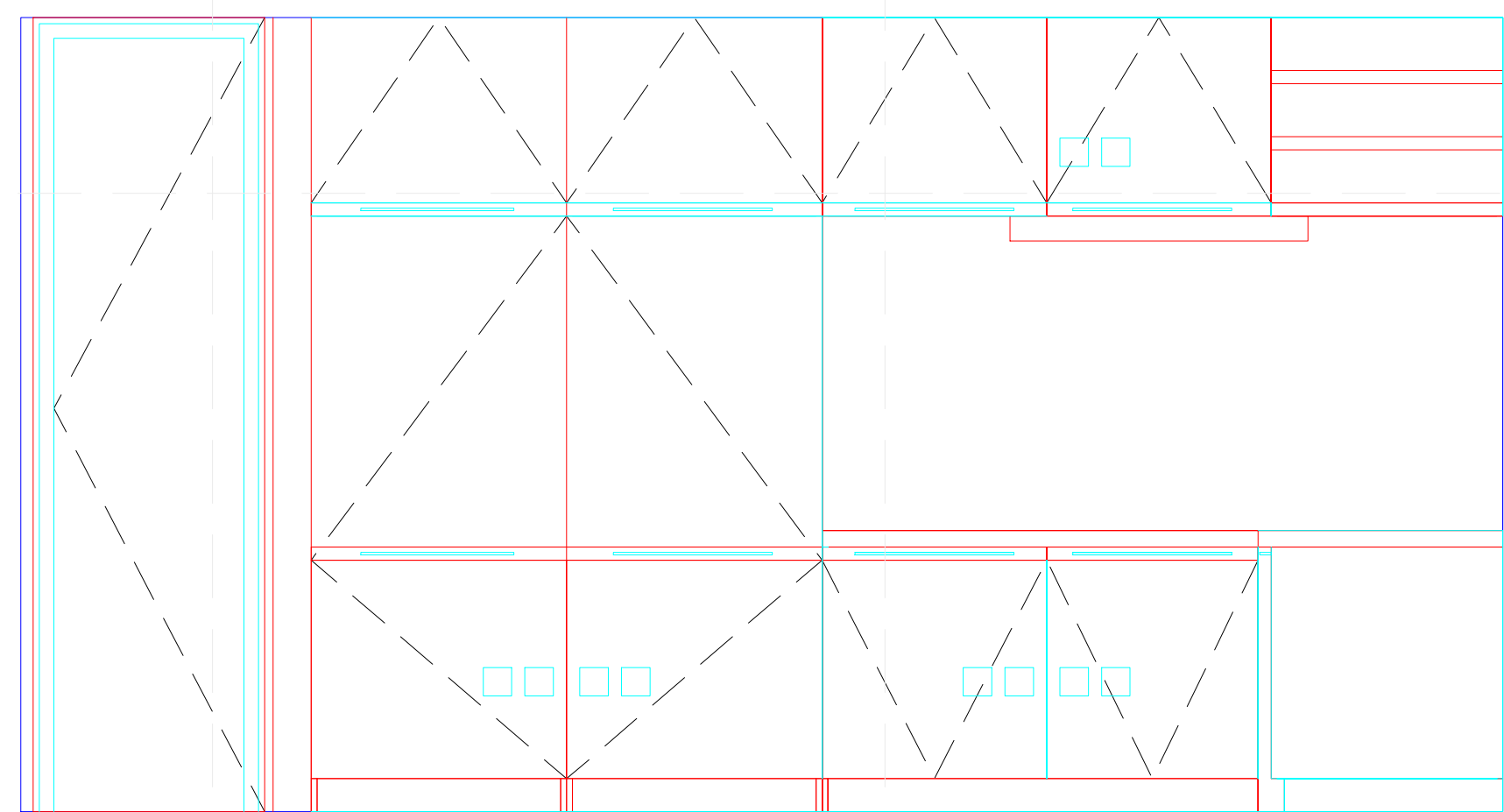
**INTERIOR DESIGN ELEVATIONS**

**I-204**

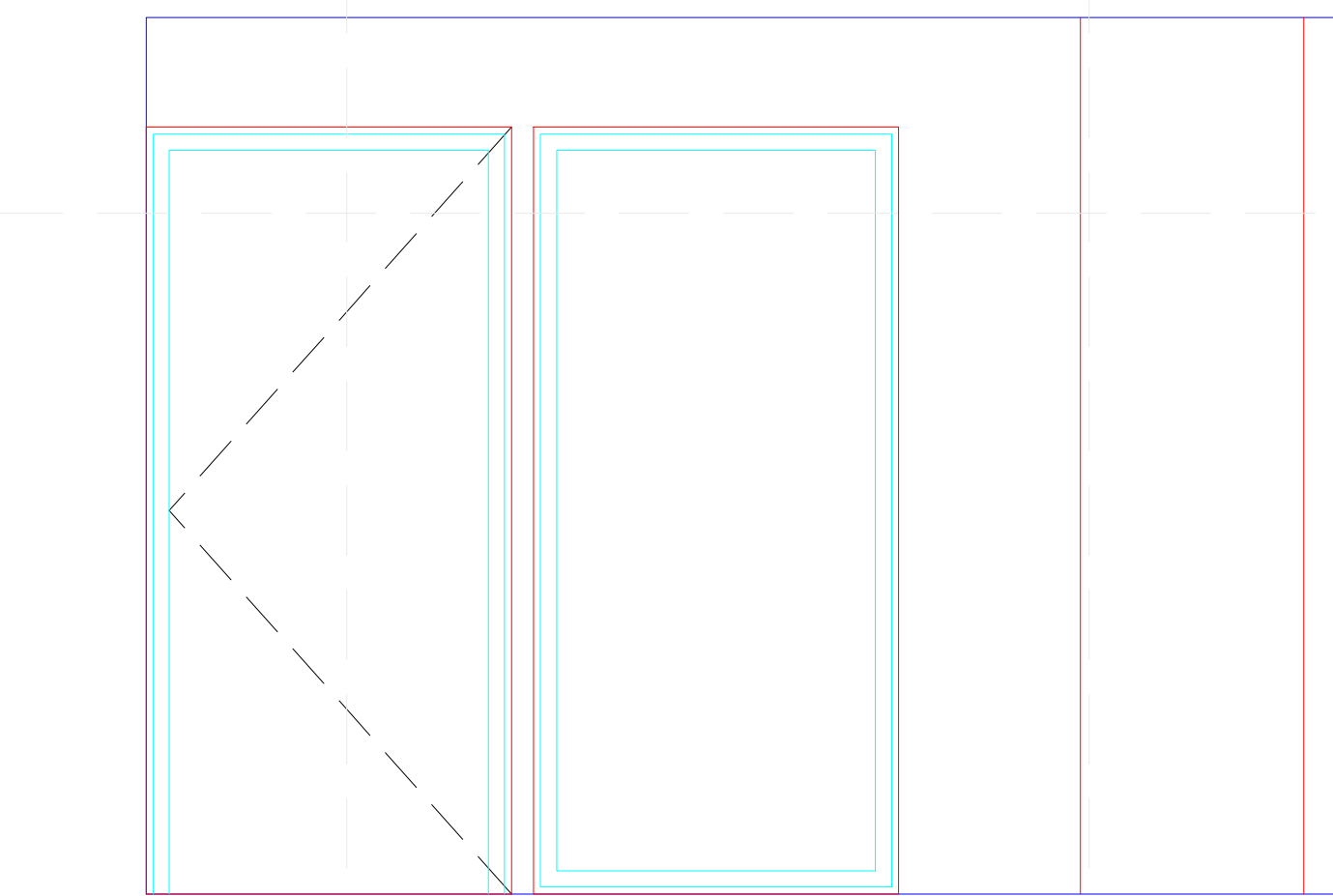




**A1** ELEVATION 8-9  
1:20



**D4** ELEVATION 7-8  
1:20



**A4** ELEVATION 9-1'  
1:20

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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 ADDRESS: TONGJI UNIVERSITY SIPING ROAD  
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SHEET TITLE  
 INTERIOR DESIGN  
 ELEVATIONS

**I-205**



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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SHEET TITLE  
**INTERIOR DESIGN SCHEDULES**

**I-601**

Schedule for Residential Electrical Equipment

Name	Type	Size(mm)			Quantity		Connection				DC
		H	L	W	Amount	Unit	Power	Current	Voltage	Frequency	
Induction Cooker	EH75262TI	55	760	450	1	PC		10	220	50	SIEMENS
Freezer Refrigerator	KI38VV01	1772	541	545	1	PC	120	10	220	50	SIEMENS
Dishwasher	SC76M53TI	595	595	500	1	PC	2300	10	220	50	SIEMENS
Cloth Washer Dryer	WD7105	860	600	560	1	PC		10	220	50	SIEMENS
Fume Extraction Hood	LC956BC30W	653	900	500	1	PC	280	10	220	50	SIEMENS
Moisture Ejector	MDH-722C	320	245	525	1	PC		10	220	50	MORII
Television	LCD-32CA2	811	591	124	1	PC		10	220	50	SANYO
Computer	W700 CTO				1	PC					LENOVO
Home Theatre	NS-PLC3				1	PC		10	220	50	YAMAHA

(A1) Schedule for Residential Electrical Equipment  
 1:20

SHT NO	SHEET NAME
E-602	PV SYSTEM THREE-LINE DIAGRAM
F-001	FIRE PROTECTION NOTES AND SYMBOLS
F-602	FIRE PROTECTION DIAGRAMS
F-902	FIRE PROTECTION ISOMETRICS
P-001	PLUMBING SYMBOLS AND NOTES
P-102	DOMESTIC SUPPLY AND RETURN
P-101	PLUMBING SITE PLAN
P-104	SOLAR WATER SYSTEM
P-601	SCHEDULES
P-901	SUPPLY ISOMETRICS
P-902	RETURN AND RAIN RECYCLE ISOMETRICS
P-903	SOLAR WATER HEATING ISOMETRICS
P-501	PLUMBING DETAILS
P-502	WATER DELIVERY AND REMOVAL
M-001	MECHANICAL SYMBOLS AND NOTES
M-101	HVAC EQUIPMENT AND DISTRIBUTION PLAN
M-201	MECHANICAL ELEVATIONS
M-901	HVAC ISOMETRICS
M-501	MECHANICAL DETAIL
M-602	NATURAL VENTILATION
E-603	PV WIRING PLANE

SHT NO	SHEET NAME
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SHT NO	SHEET NAME
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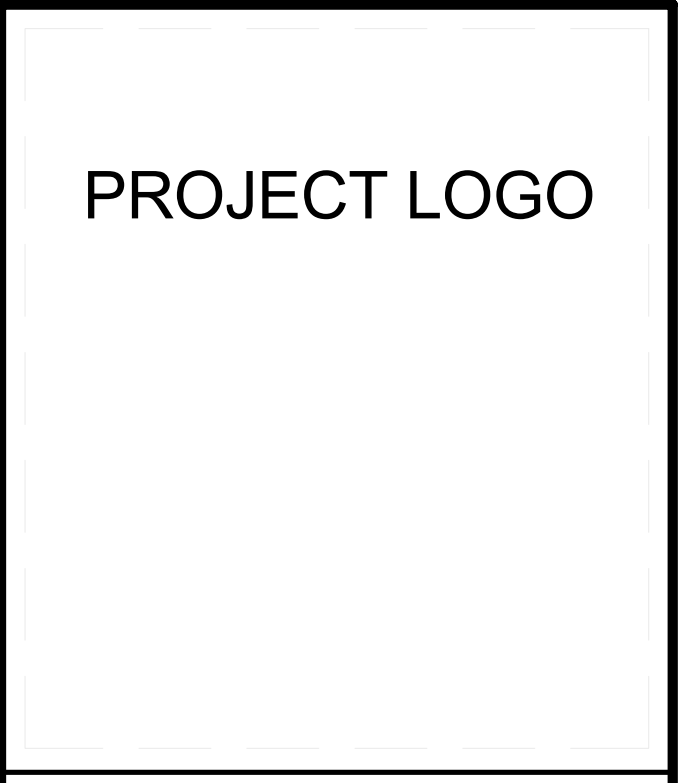
	SPRINKLER
	FILTER
	SLUICE VALVE
	COMPENSATOR
	REDUCER EXTENDERS
	PUMP
	ONE-WAY VALVE
	EXPANSION CHAMBER
	PRESSURE GAUGE

**(B1) FIRE SUPPRESSION SYMBOLS**  
1:1

**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

**SHEET KEYNOTES**



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**SHEET TITLE**  
**FIRE PROTECTION NOTES AND SYMBOLS**

**F-001**

# CONTENT

F-001 - FIRE PROTECTION NOTES AND SYMBOLS  
F-101 - FIRE DETECTION AND ALARM

ABBREVIATE  
LR - LIVING ROOM  
BR - BEDROOM  
RR - RESTROOM  
MR - MECHANICAL ROOM  
BD - BACK DOOR  
KC - KITCHEN  
HMI - HUMAN MACHINE INTERFACE  
CB - CONTROL BOX  
DB - DISTRIBUTION BOX

## PROJECT LOGO

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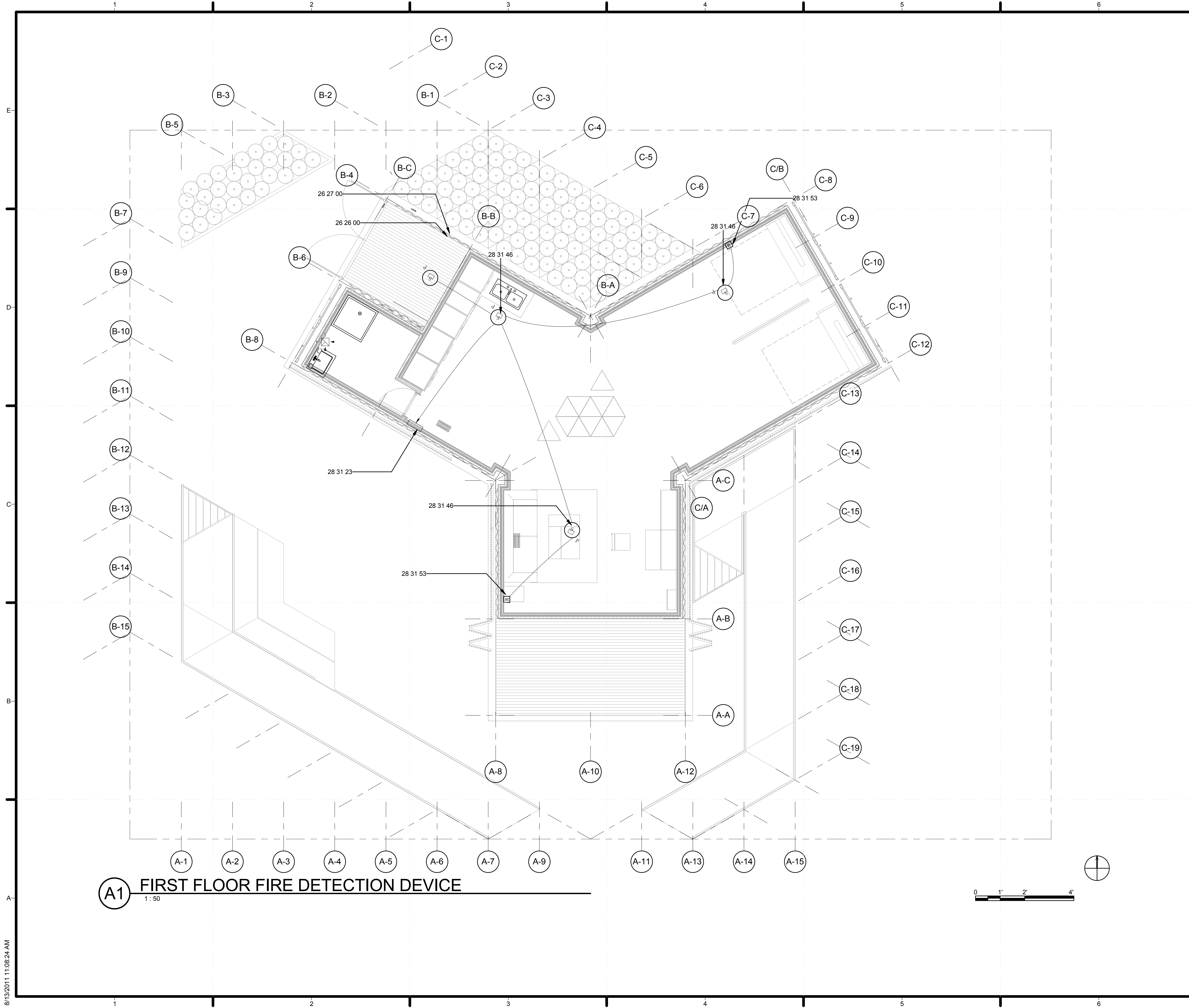
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SHEET TITLE

**FIRE PROTECTION  
SHEET INDEX AND  
NOTES**

**F-001**



**A1** FIRST FLOOR FIRE DETECTION DEVICE  
1:50

**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

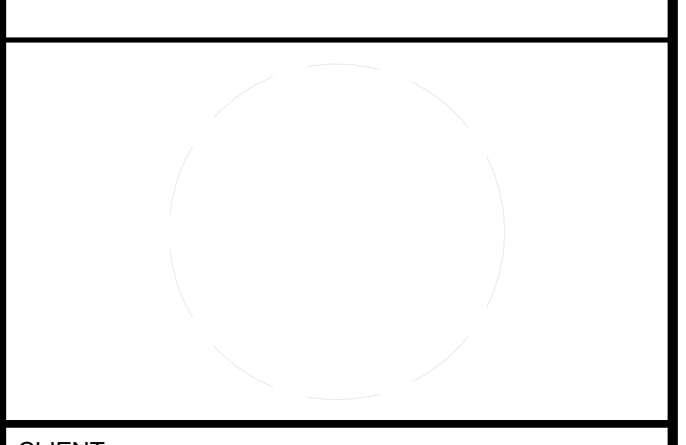
26 26 00	POWER DISTRIBUTION UNITS
26 27 00	LOW-VOLTAGE DISTRIBUTION EQUIPMENT
28 31 23	FIRE DETECTION AND ALARM ANNUNCIATION PANELS AND FIRE STATIONS
28 31 46	SMOKE DETECTION SENSORS
28 31 53	FIRE ALARM INITIATING DEVICES

**SHEET KEYNOTES**

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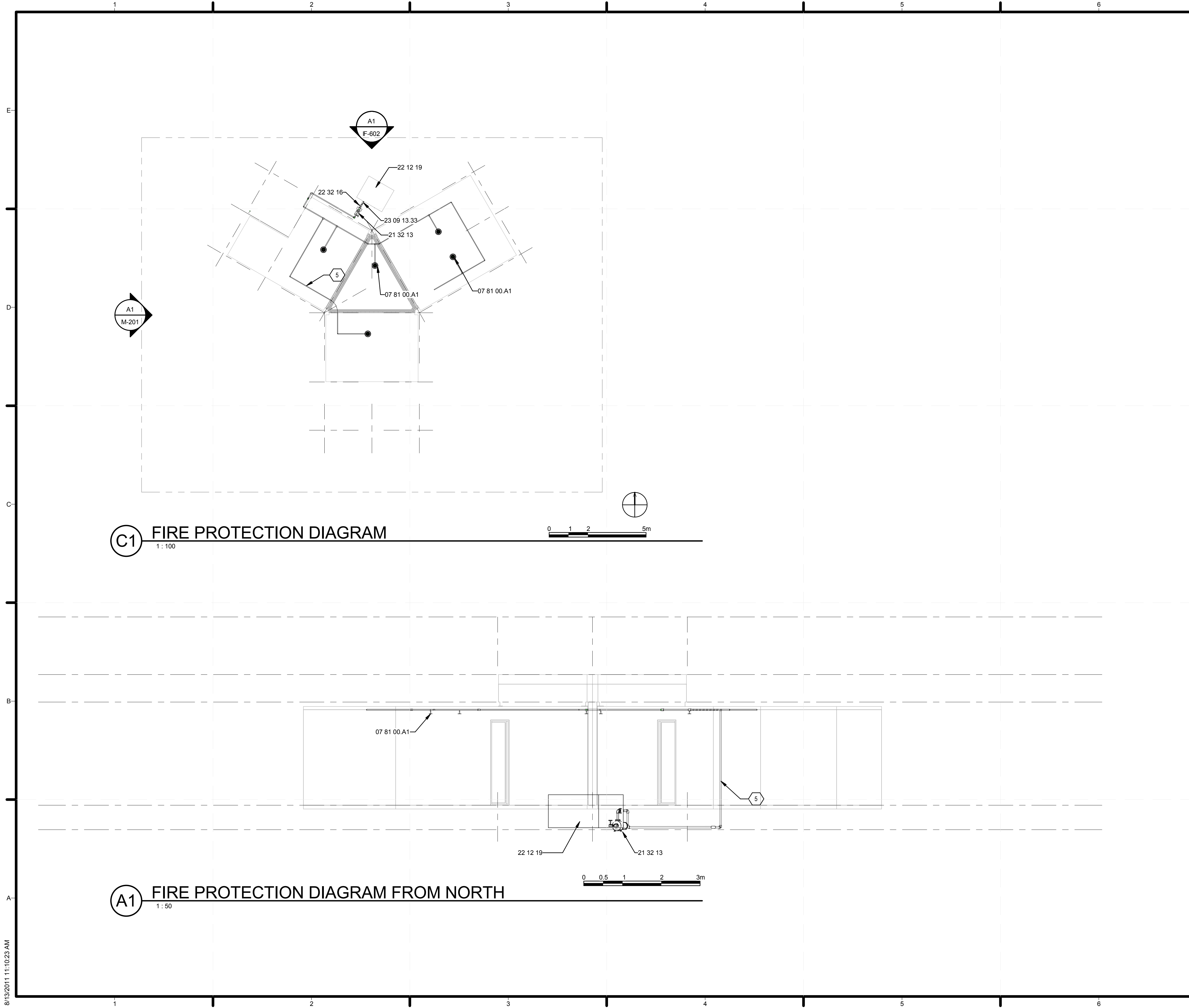
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MARK	DATE	DESCRIPTION

**SHEET TITLE**  
**FIRE DETECTION AND ALARM**

**F-101**



**C1** FIRE PROTECTION DIAGRAM  
1:100

**A1** FIRE PROTECTION DIAGRAM FROM NORTH  
1:50

**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

07 81 00.A1	1" SPRAYED-ON FIREPROOFING
21 32 13	ELECTRIC-DRIVE, VERTICAL-TURBINE FIRE PUMPS
22 12 19	FACILITY GROUND-MOUNTED, POTABLE WATER STORAGE TANKS
22 32 16	DOMESTIC-WATER FREESTANDING CARTRIDGE FILTERS
23 09 13.33	CONTROL VALVES

**SHEET KEYNOTES**

5 FIRE STEEL PIPE

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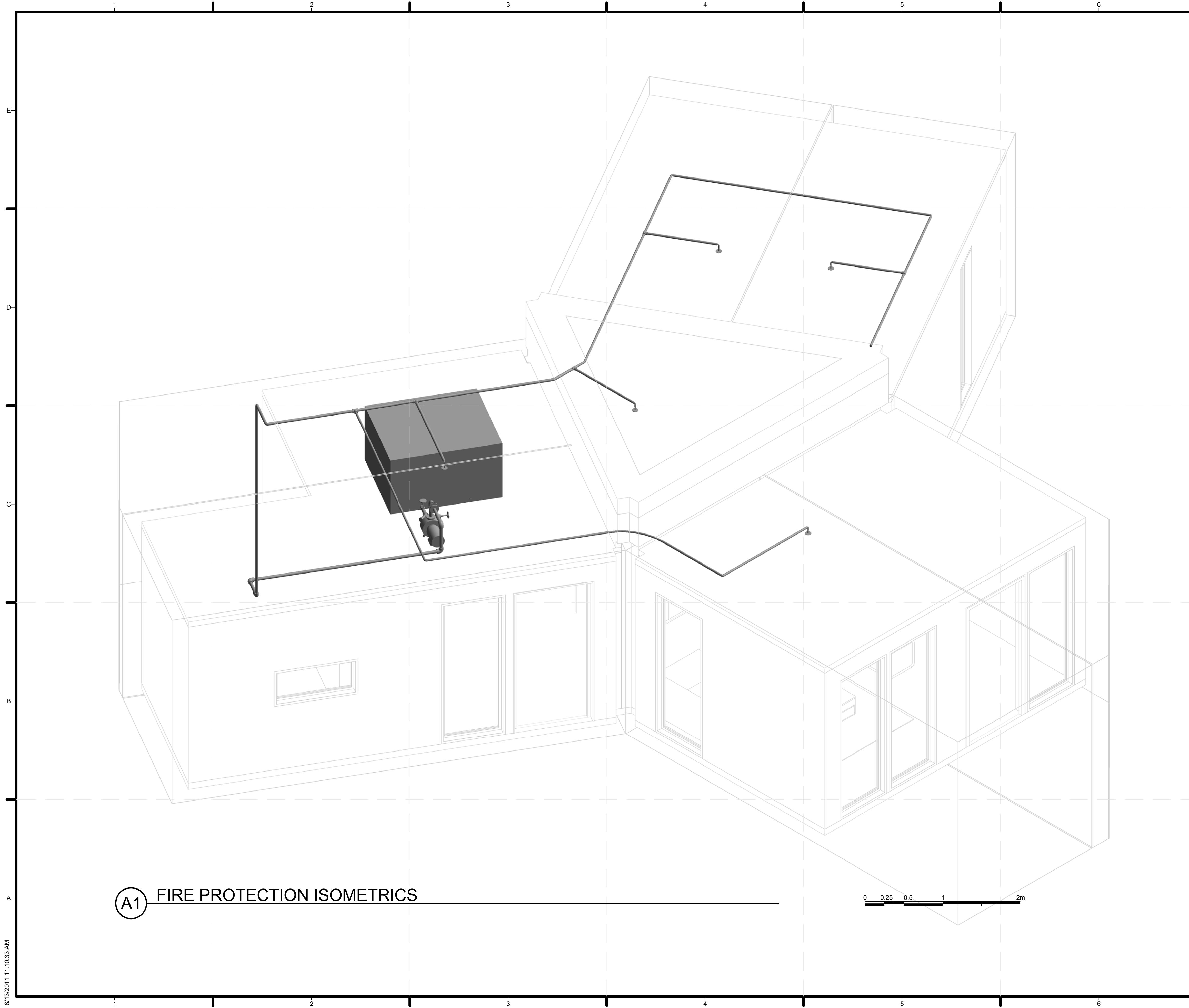
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**SHEET TITLE**

**FIRE PROTECTION  
DIAGRAMS**

**F-602**



**(A1) FIRE PROTECTION ISOMETRICS**



**GENERAL SHEET NOTES**

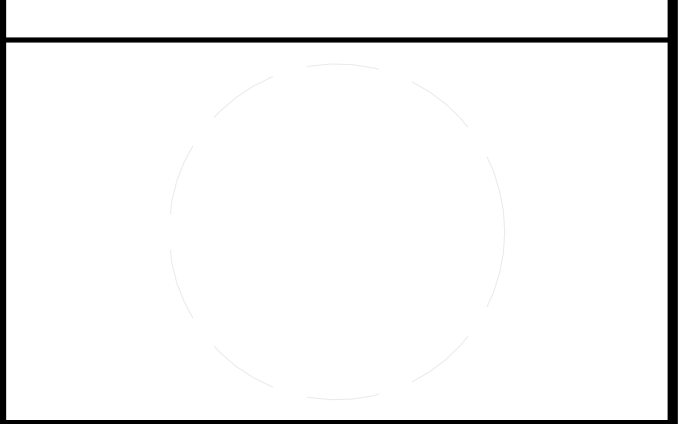
**REFERENCE KEYNOTES**

**SHEET KEYNOTES**

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**SHEET TITLE**  
**FIRE PROTECTION ISOMETRICS**

**F-902**







































E  
D  
C  
B  
A

- E-001 - ELECTRICAL SYMBOLS AND NOTES
- E-101 - ELECTRICAL DISTRIBUTION PLAN
- E-102 - PV WIRING PLAN
- E-103 - LIGHTING PLAN
- E-104 - GROUDING PLAN
- E-105 - ORGANIZER PLAN
- E-106 - CABLE TRAY PLAN
- E-201 - ELECTRICAL ELEVATIONS
- E-202 - PV SYSTEM SECTIONS
- E-203 - 0RGANIZER ENCLOSURES SECTIONS
- E-204 - TERMINAL BOX SECTIONS
- E-501 - PRODUCTS DETAILS
- E-502 - DATA SHEET
- E-601 - ONE-LINE DIAGRAM
- E-602 - PV SYSTEM THREE-LINE DIAGRAM
- E-603 - PV WIRING PLAN
- E-604 - GRID INTETCONNECTION
- E-605 - THREE-LINE DIAGRAM (DB)

- ABBREVIATE
- LR - LIVING ROOM
  - BR - BEDROOM
  - RR - RESTROOM
  - MR - MECHANICAL ROOM
  - BD - BACK DOOR
  - KC - KITCHEN
  - HMI - HUMAN MACHINE INTERFACE
  - CB - CONTROL BOX
  - DB - DISTRIBUTION BOX

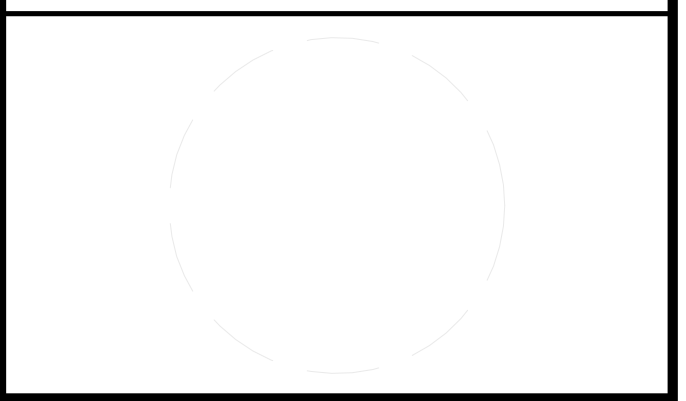
SYMBOLS	
MARK	DESCRIPTION
	CHINESE STANDARD DOUBLE SOCKET-OUTLET INSERT, 2-POLE/3-POLE
	CHINESE STANDARD SPLASHED-PROOF SOCKET
	CHINESE STANDARD PROTECTED OUTDOOR SOCKET
	CHINESE STANDARD PROTECTED SOCKET WITH SWITCH
	LIGHTING SWITCH
	EQUIVALENT POTENTIAL TERMINAL BOX (MEB )
	EQUIVALENT POTENTIAL TERMINAL BOX (LEB )
	NORTH ARROW
	GRAPHIC SCALE
	VIEW TITLE

① EL SYMBOLS  
1:50

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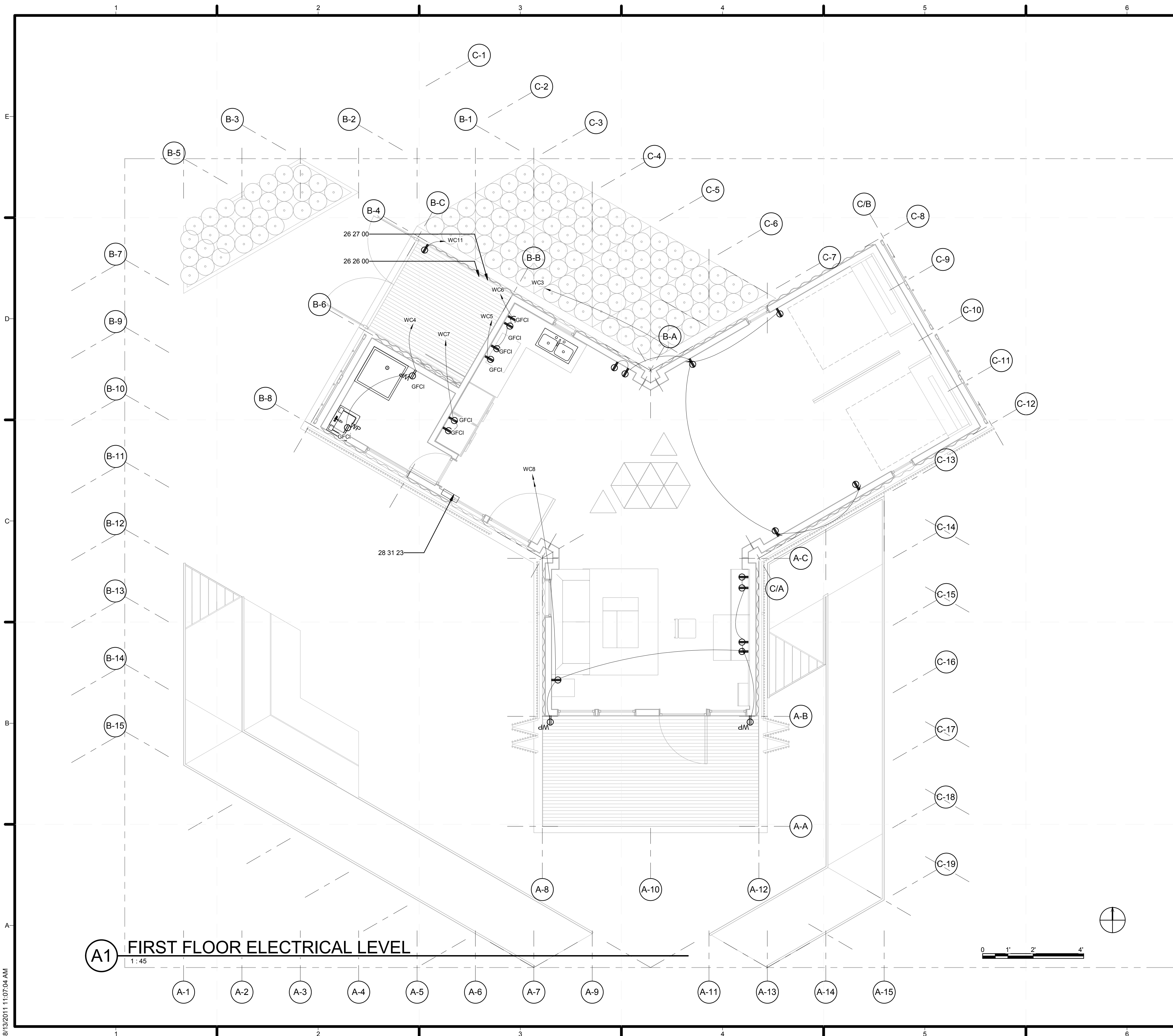


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SHEET TITLE  
**ELECTRICAL SHEET INDEX AND NOTES**

**E-001**



**GENERAL SHEET NOTES**

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVI XI" IN EACH BRANCH CIRCUIT "WC X".
2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.
4. ALL EXTERIOR RECEPTACLES ARE CHINESE STANDARD PROTECTED OUTDOOR SOCKETS FROM SCHEIDER ELECTRIC WITH THE FEATURE OF WEATHER RESISTANT.

**REFERENCE KEYNOTES**

26 26 00	POWER DISTRIBUTION UNITS
26 27 00	LOW-VOLTAGE DISTRIBUTION EQUIPMENT
28 31 23	FIRE DETECTION AND ALARM ANNUNCIATION PANELS AND FIRE STATIONS

**SHEET KEYNOTES**

**PROJECT LOGO**

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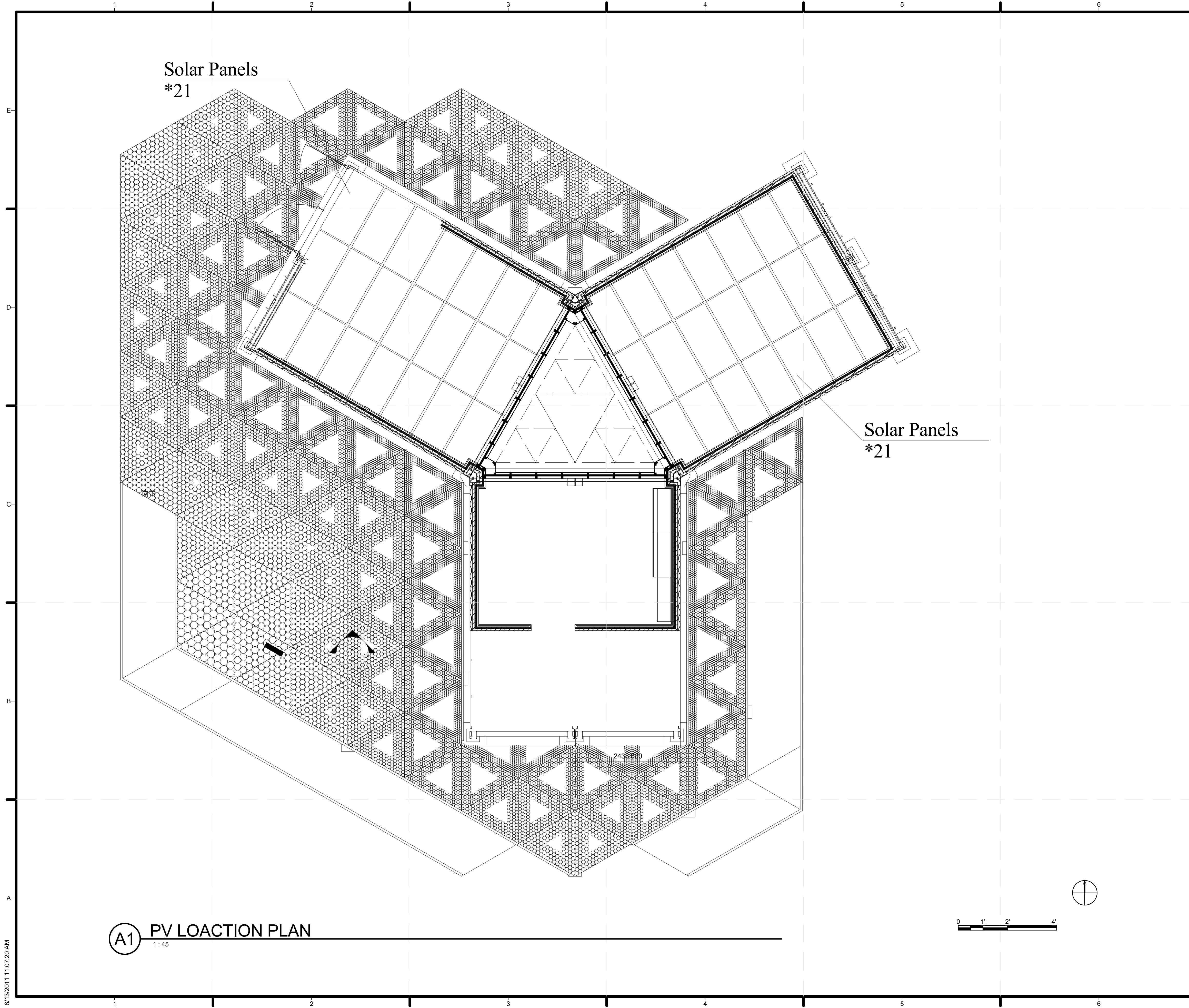


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SHEET TITLE  
**ELECTRICAL DISTRIBUTION PLAN**

**E-101**



**(A1) PV LOCATION PLAN**  
1:45

8/13/2011 11:07:20 AM

**GENERAL SHEET NOTES**

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPN/VI/XXX" IN EACH BRANCH CIRCUIT "WC X"
2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

**REFERENCE KEYNOTES**

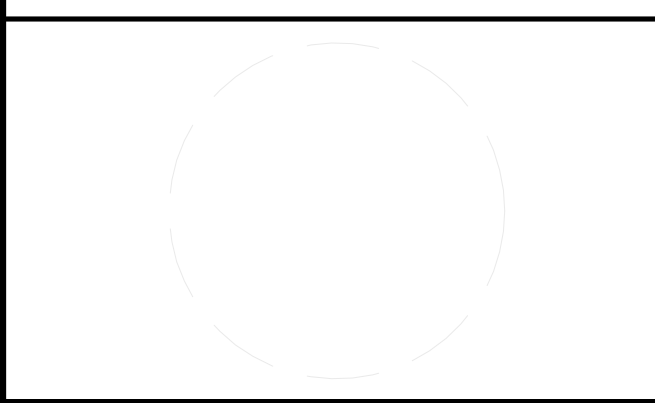
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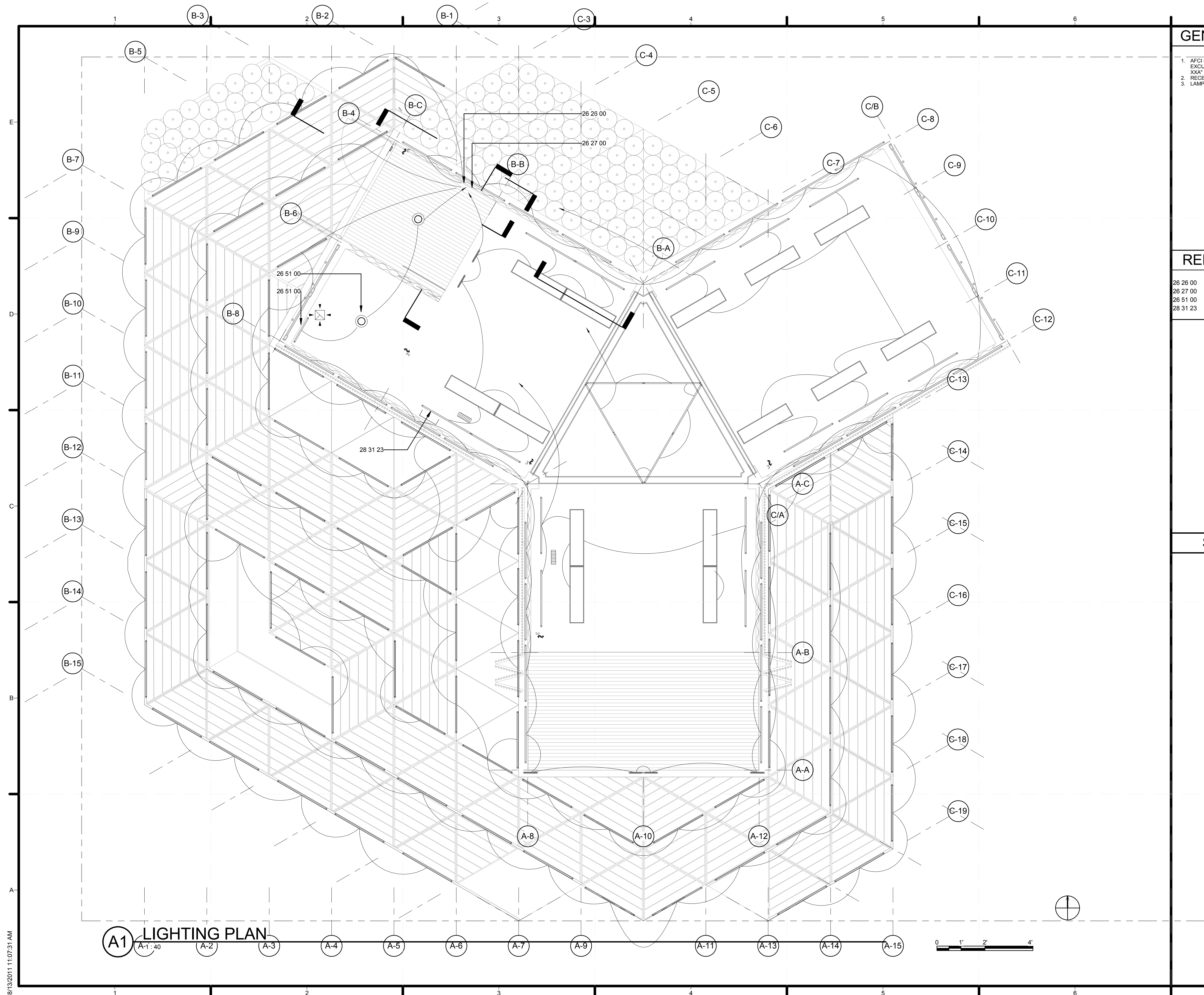
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**SHEET TITLE**

PV LOCATION PLAN

**E-102**



**GENERAL SHEET NOTES**

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVI/XXX" IN EACH BRANCH CIRCUIT "WC X"
2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

**REFERENCE KEYNOTES**

- 26 26 00 POWER DISTRIBUTION UNITS
- 26 27 00 LOW-VOLTAGE DISTRIBUTION EQUIPMENT
- 26 51 00 INTERIOR LIGHTING
- 28 31 23 FIRE DETECTION AND ALARM ANNUNCIATION PANELS AND FIRE STATIONS

**SHEET KEYNOTES**

**PROJECT LOGO**

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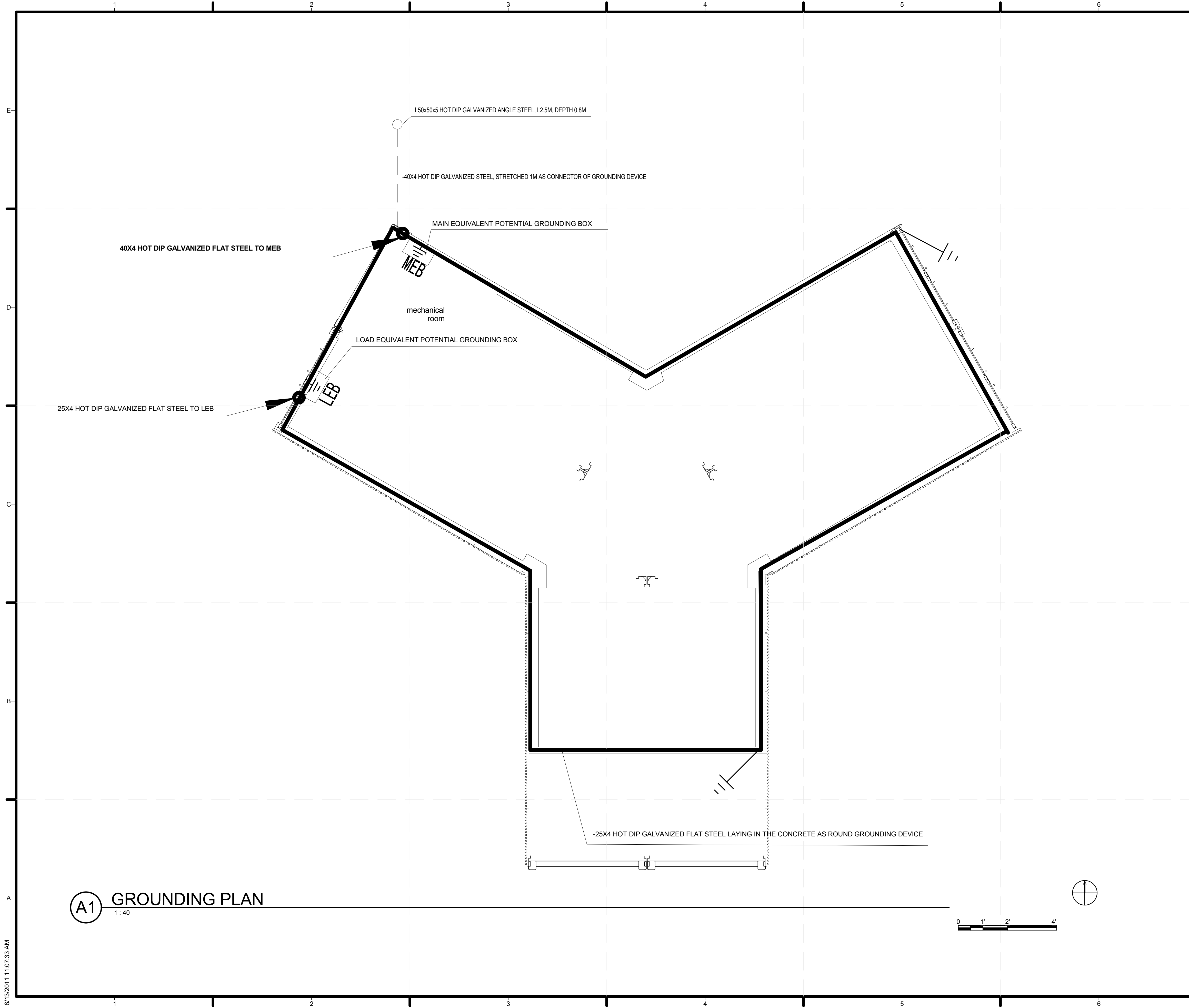
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SHEET TITLE  
**LIGHTING PLAN**

**E-103**

8/13/2011 11:07:31 AM



GENERAL SHEET NOTES

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPN-VIGI XXX" IN EACH BRANCH CIRCUIT "WC X"
2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

REFERENCE KEYNOTES

SHEET KEYNOTES

PROJECT LOGO

TEAM NAME: TEAM TEMPLATE  
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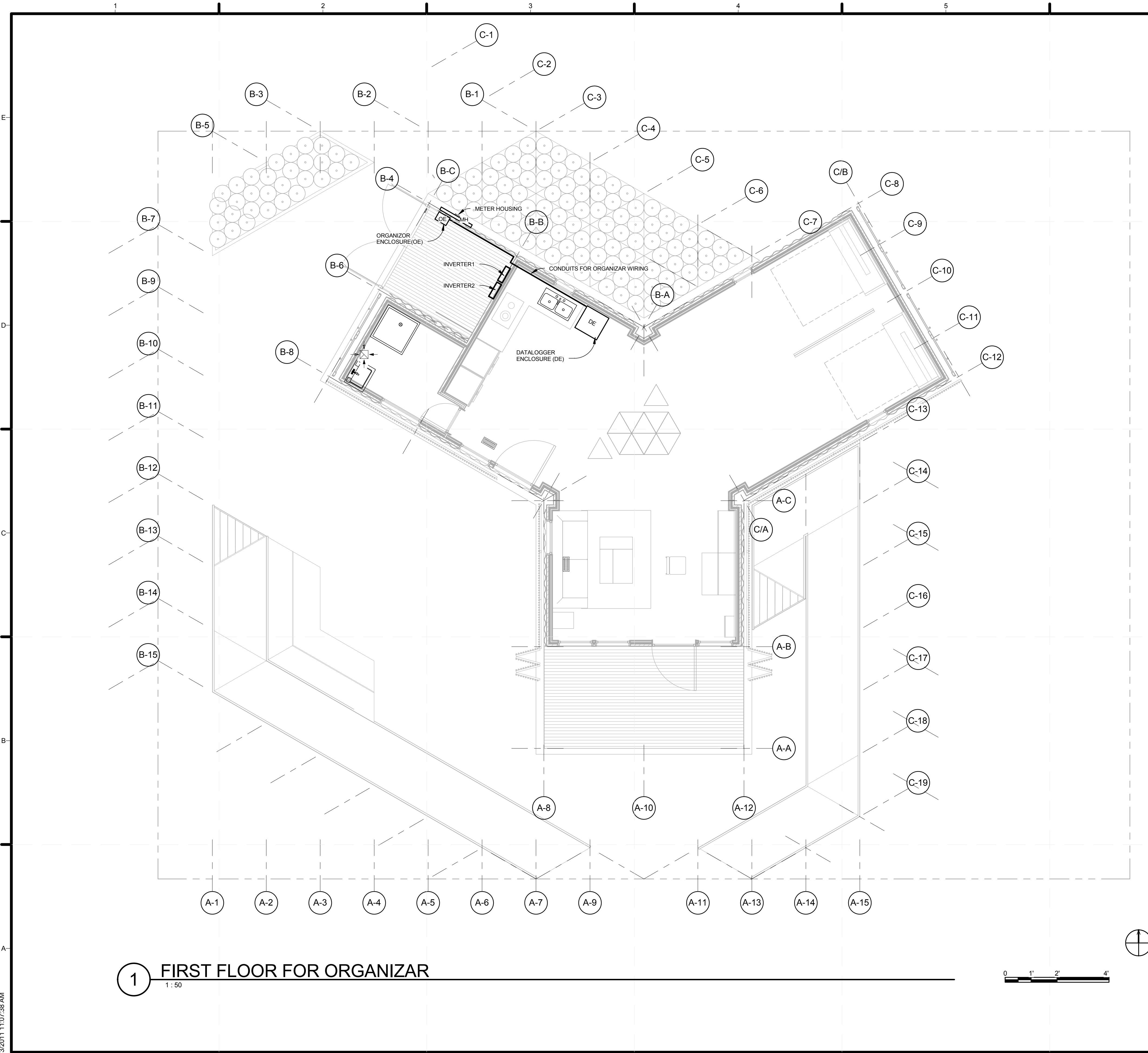
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SHEET TITLE  
**GROUNDING PLAN**

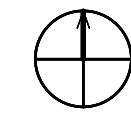
**E-104**

**A1** GROUNDING PLAN  
 1:40

8/13/2011 11:07:33 AM



1 FIRST FLOOR FOR ORGANIZER  
1" = 50'

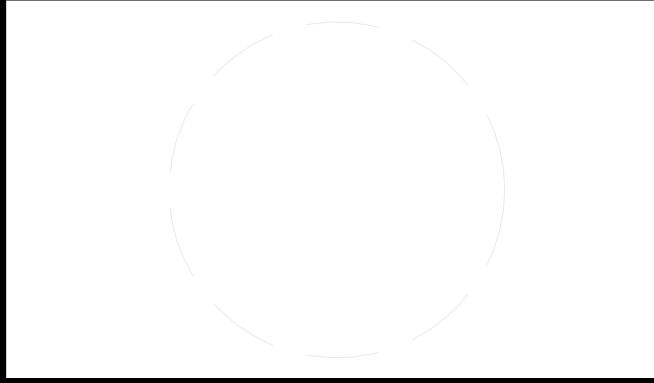


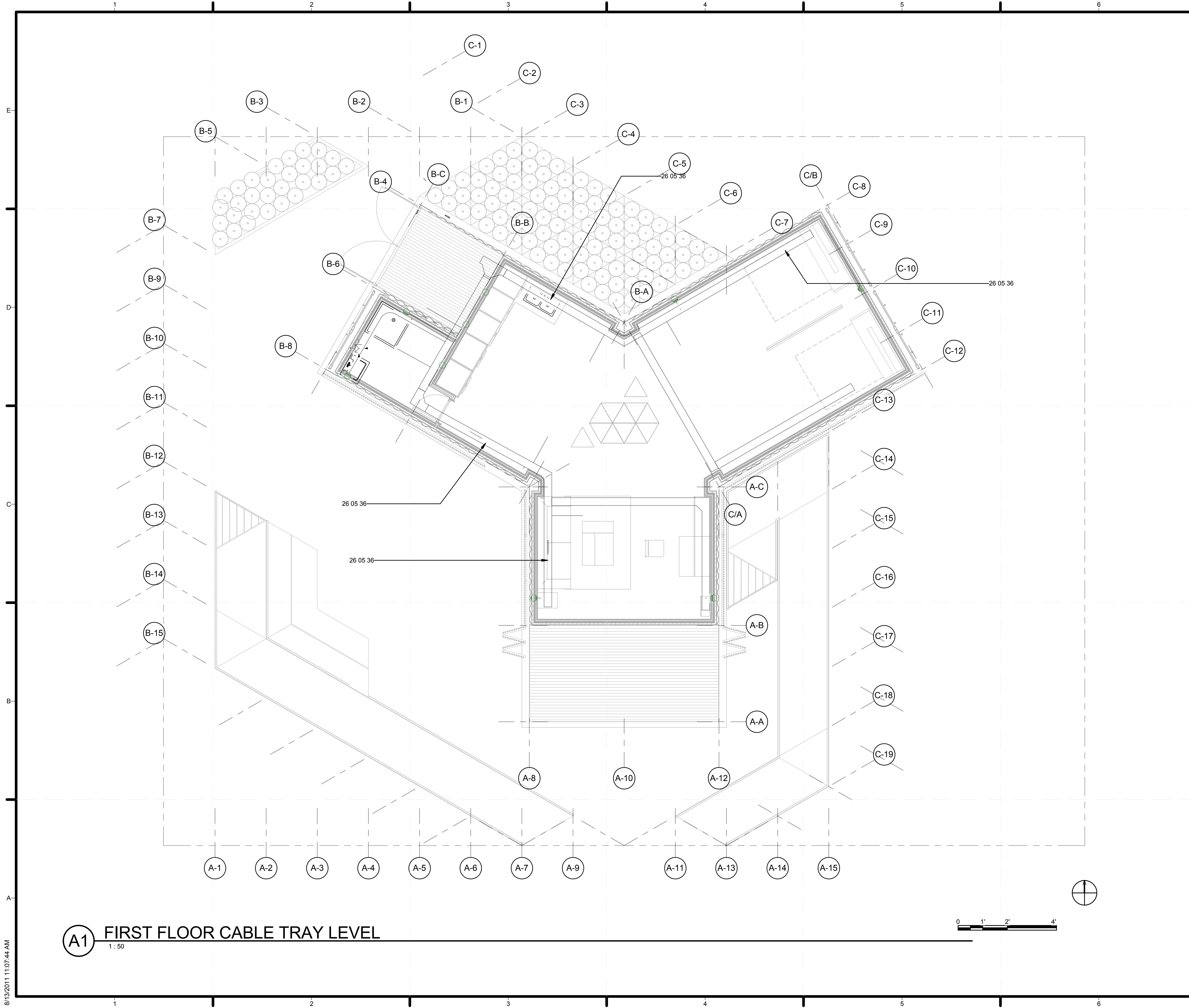
### GENERAL SHEET NOTES

- 1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVG1 XXX" IN EACH BRANCH CIRCUIT "WC X"
- 2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
- 3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

### REFERENCE KEYNOTES

### SHEET KEYNOTES

<h2>PROJECT LOGO</h2>	
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<h2>ORGANIZER PLAN</h2>	
<h1>E-105</h1>	



**GENERAL SHEET NOTES**

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVI" "XXA" IN EACH BRANCH CIRCUIT "WC X".
2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

**REFERENCE KEYNOTES**

26 05 36 CABLE TRAYS FOR ELECTRICAL SYSTEMS

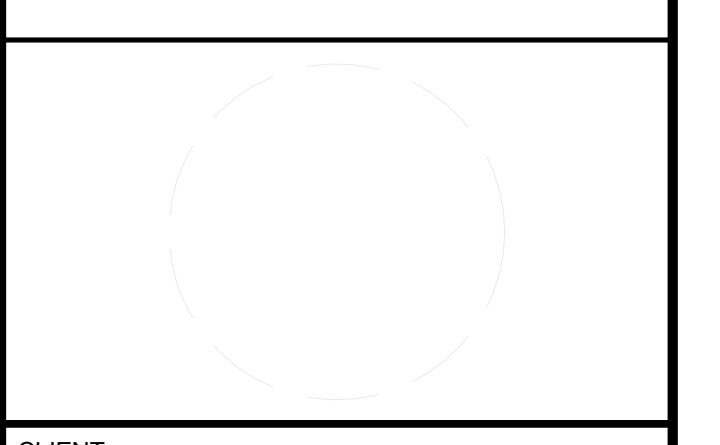
**SHEET KEYNOTES**

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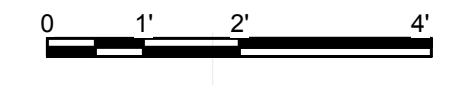
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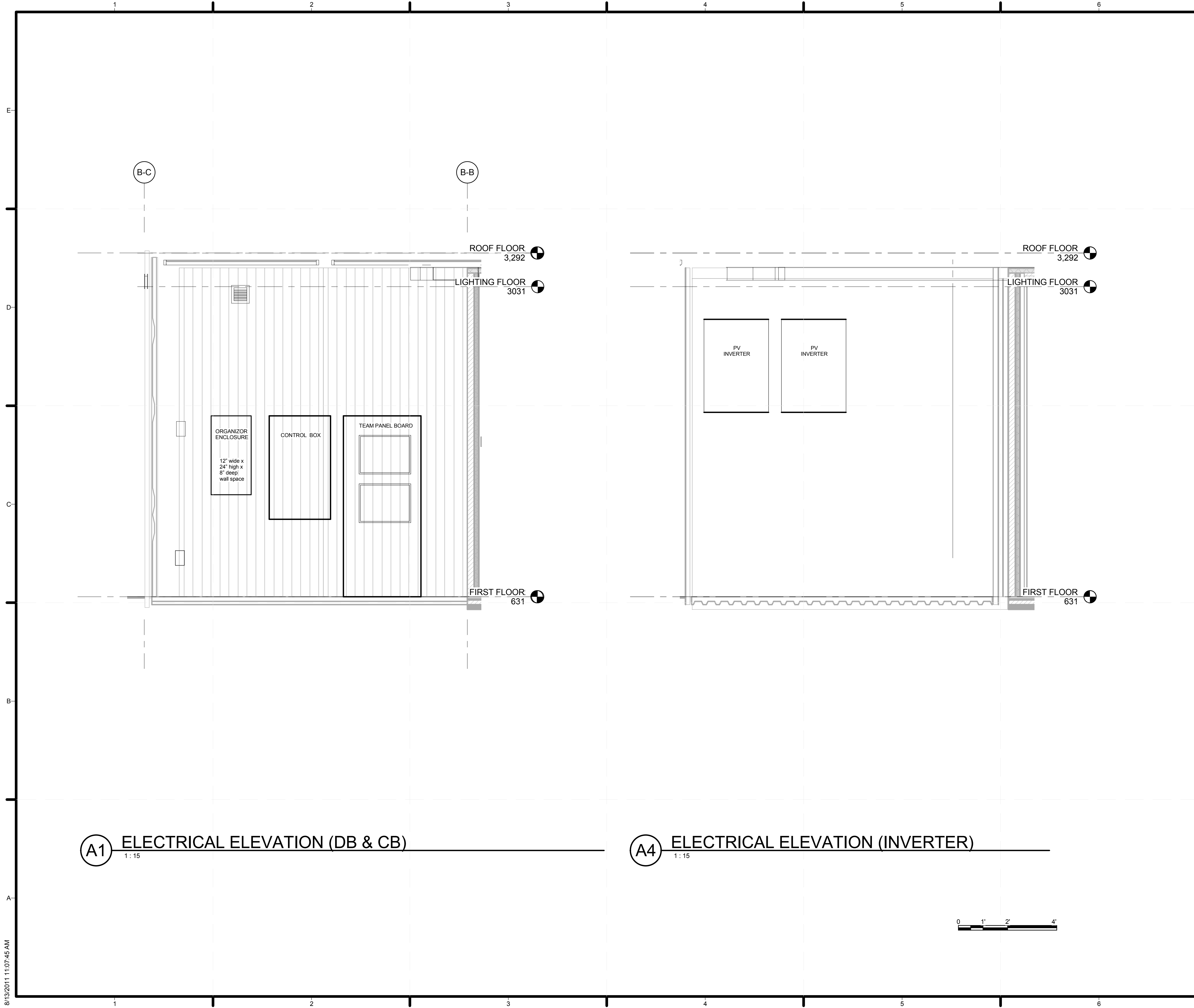
SHEET TITLE  
**CABLE TRAY**

**E-106**

**(A1) FIRST FLOOR CABLE TRAY LEVEL**  
1:50



8/13/2011 11:07:44 AM



**GENERAL SHEET NOTES**

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVIGI XXX" IN EACH BRANCH CIRCUIT "WC X".
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**REFERENCE KEYNOTES**

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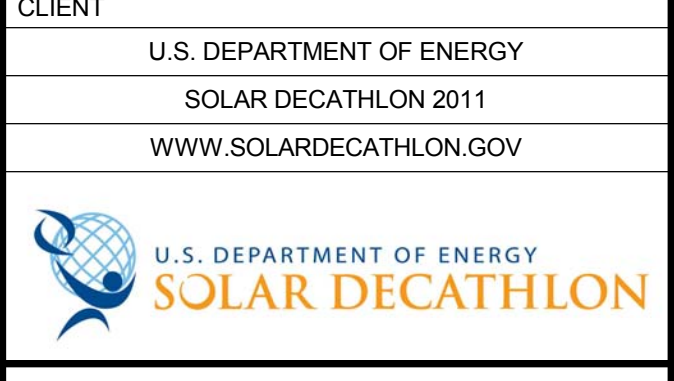
**SHEET KEYNOTES**

MARK	DATE	DESCRIPTION

**PROJECT LOGO**

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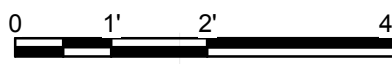
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SHEET TITLE  
**ELECTRICAL ELEVATIONS**

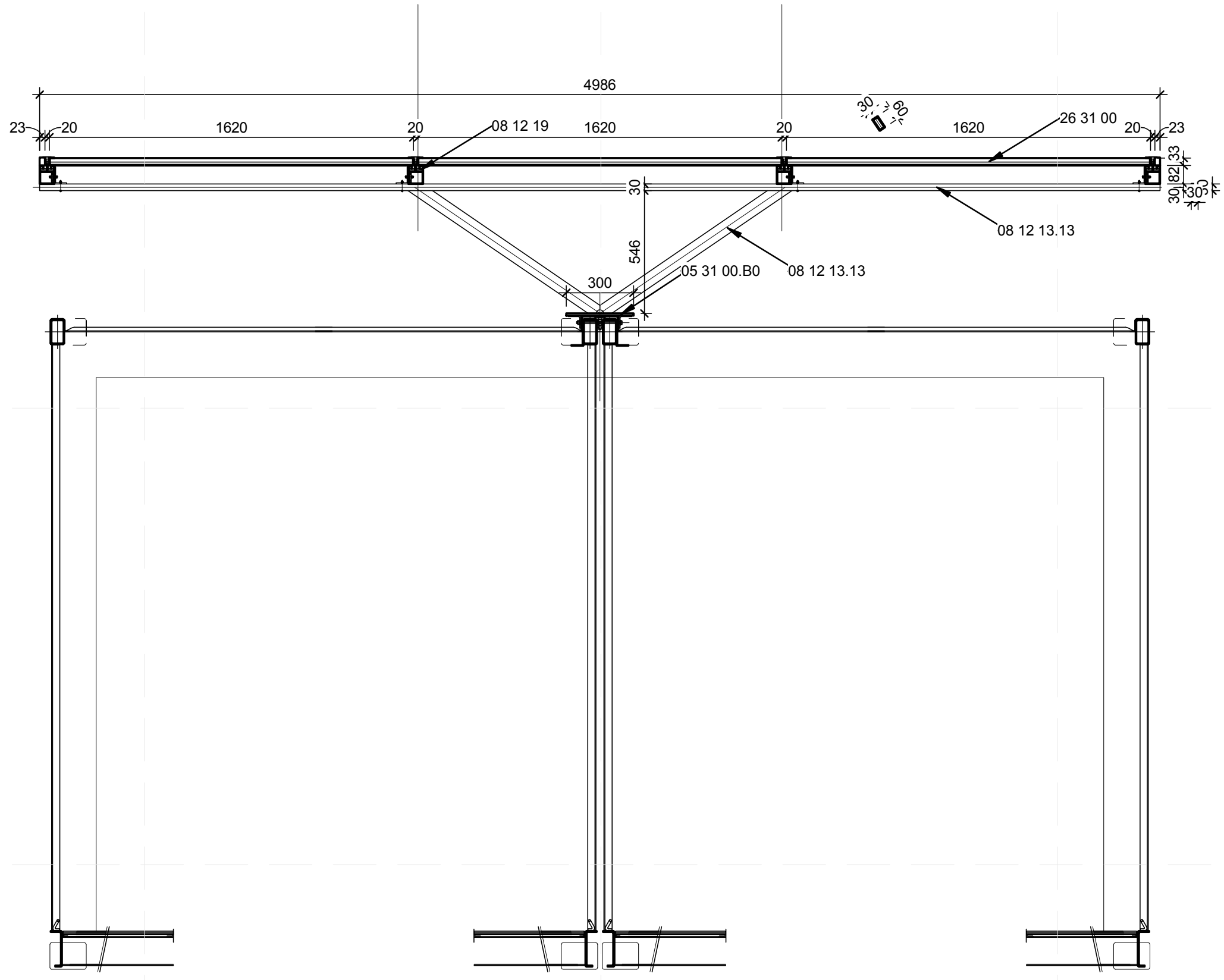
**E-201**

**(A1)** ELECTRICAL ELEVATION (DB & CB) 1:15

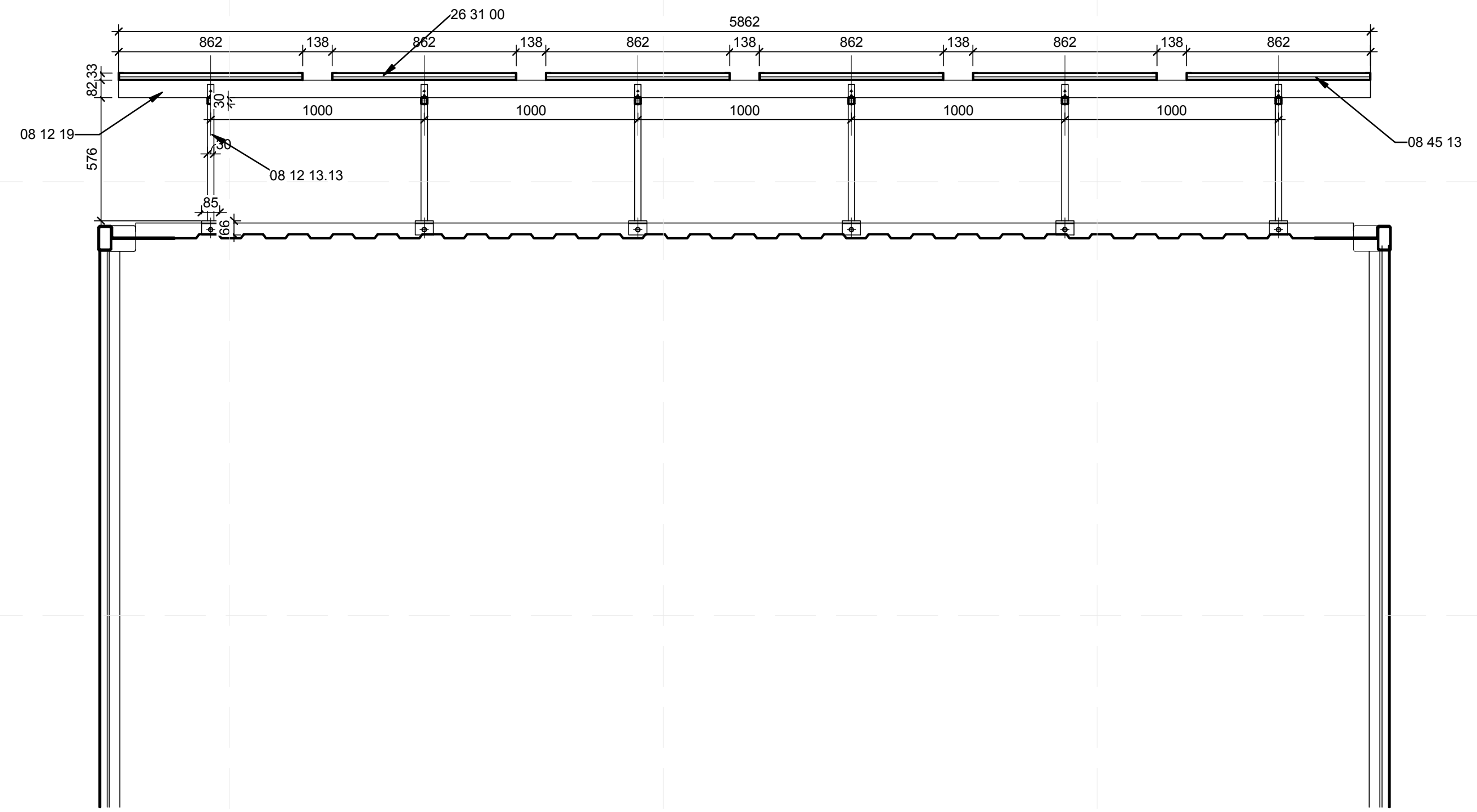
**(A4)** ELECTRICAL ELEVATION (INVERTER) 1:15







**C1** PV SYSTEM SECTION 1  
1 : 20



**A1** PV SYSTEM SECTION 2  
1 : 20

### GENERAL SHEET NOTES

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVGI XXX" IN EACH BRANCH CIRCUIT "WC X".
2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

### REFERENCE KEYNOTES

05 31 00.B0	METAL DECK
08 12 13.13	STANDARD HOLLOW METAL FRAMES
08 12 19	STAINLESS-STEEL FRAMES
08 45 13	STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES
26 31 00	PHOTOVOLTAIC COLLECTORS

### SHEET KEYNOTES

## PROJECT LOGO

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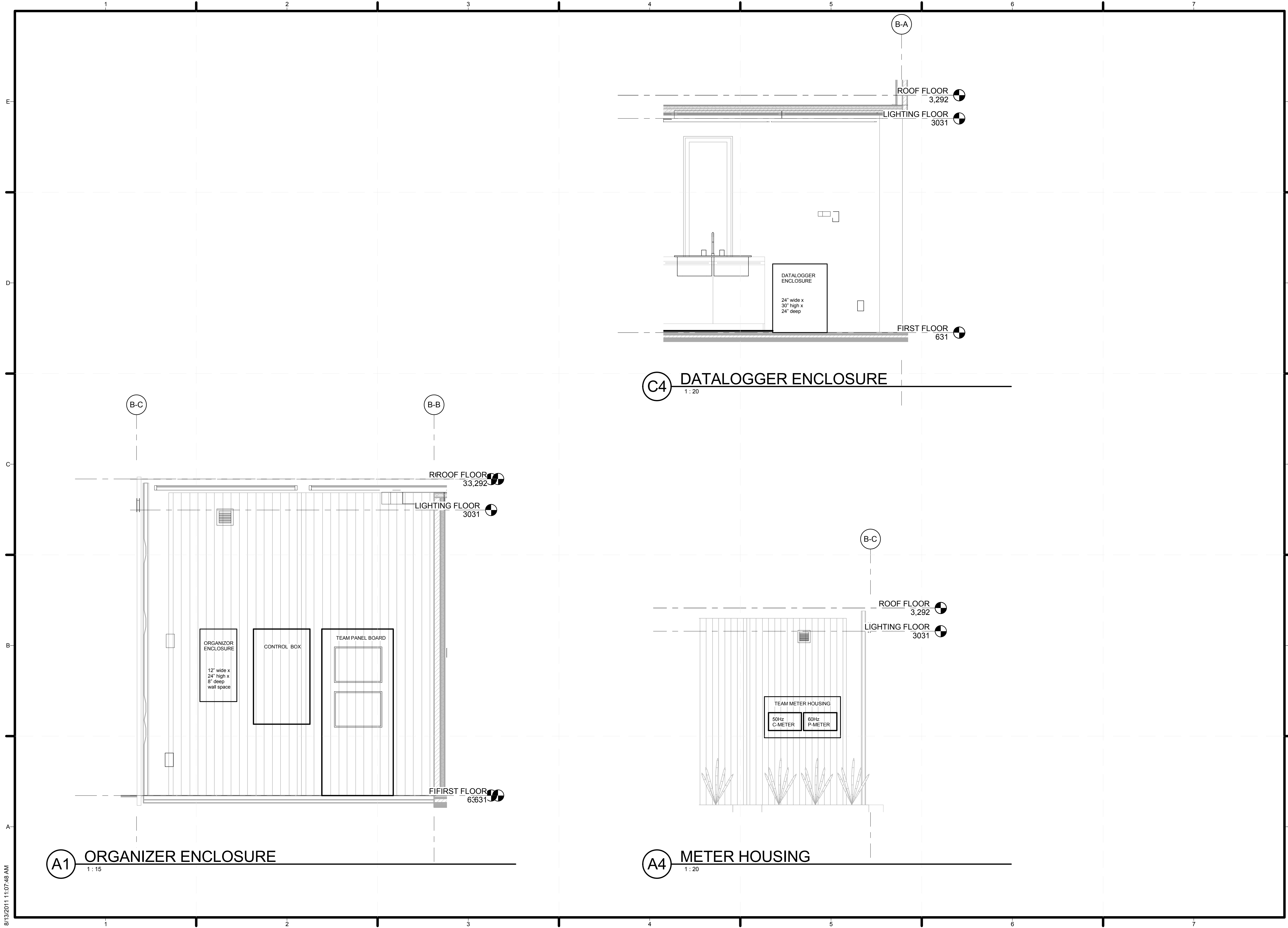
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### SHEET TITLE

## PV LOCATION SECTIONS

# E-202

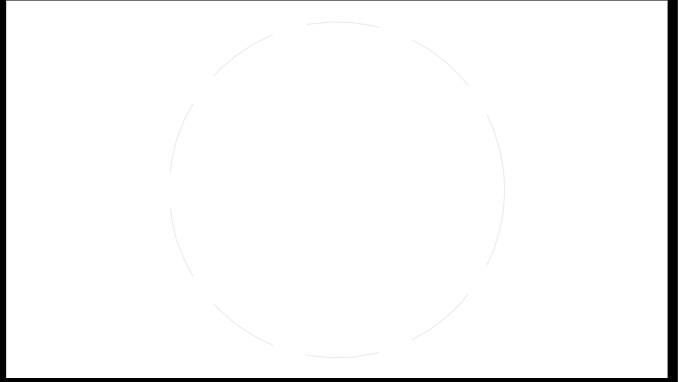
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**PROJECT LOGO**

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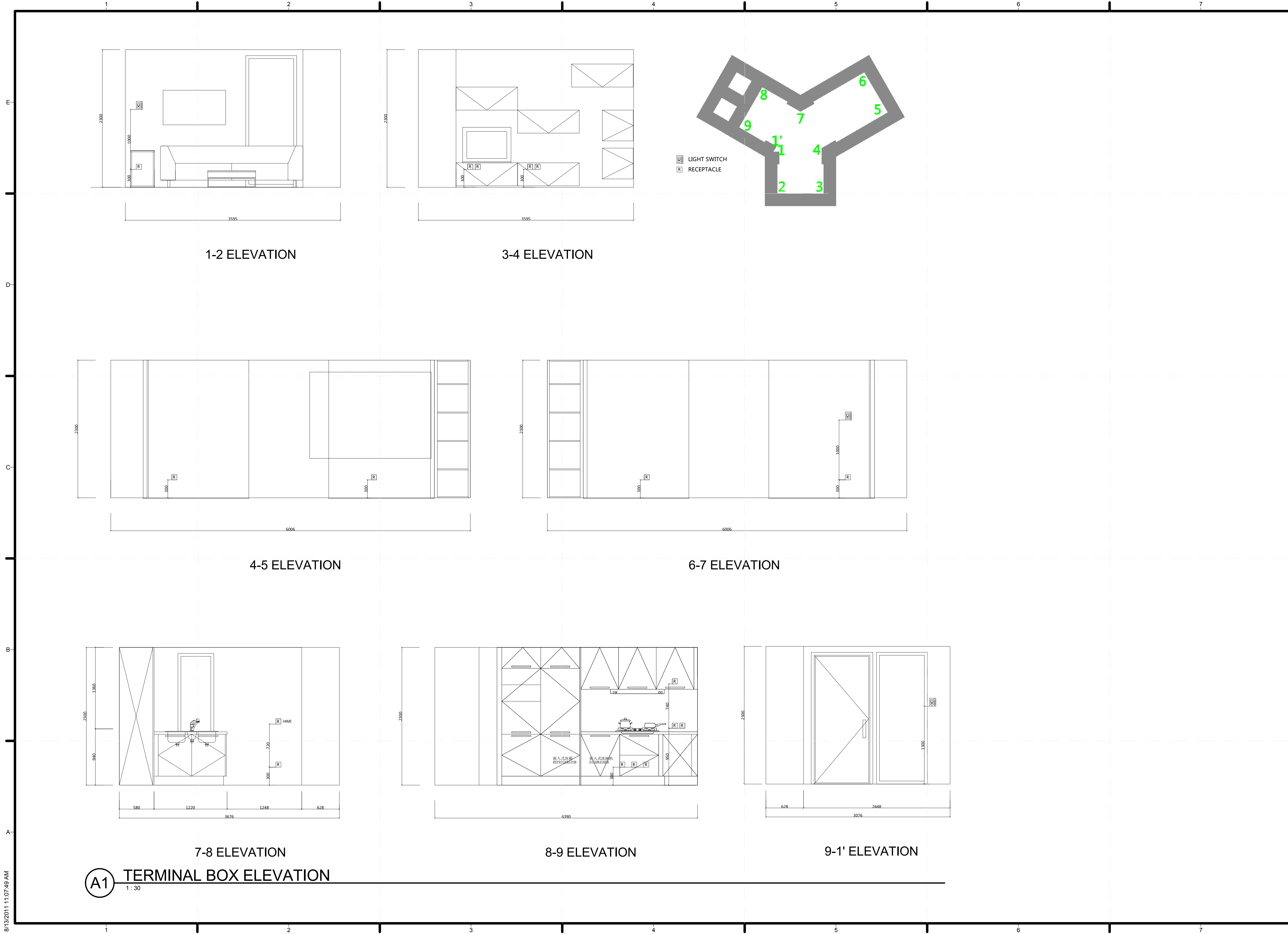
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**SHEET TITLE**  
 ORGANIZER ENCLOSURES SECTIONS  
**E-203**



1-2 ELEVATION

3-4 ELEVATION

4-5 ELEVATION

6-7 ELEVATION

7-8 ELEVATION

8-9 ELEVATION

9-1' ELEVATION

**A1** TERMINAL BOX ELEVATION  
1 : 30

PROJECT LOGO

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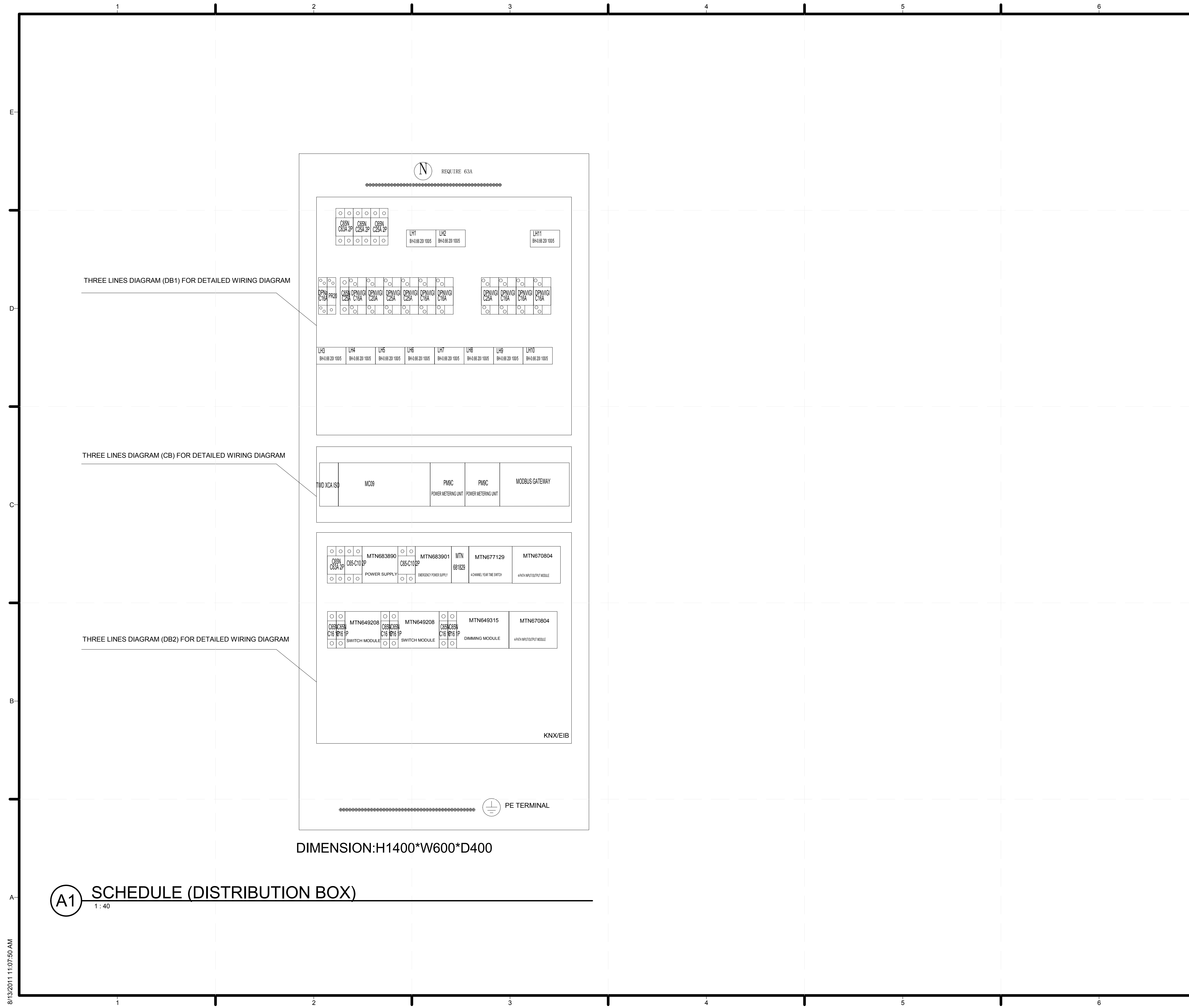
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SHEET TITLE

**ELECTRICAL  
 DISTRIBUTION  
 ELEVATION**

**E-204**



THREE LINES DIAGRAM (DB1) FOR DETAILED WIRING DIAGRAM

THREE LINES DIAGRAM (CB) FOR DETAILED WIRING DIAGRAM

THREE LINES DIAGRAM (DB2) FOR DETAILED WIRING DIAGRAM

GENERAL SHEET NOTES

1. AFCI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVIGI XXX" IN EACH BRANCH CIRCUIT "WC X"
2. RECEPTACLES ARE ALL TAMPER-RESISTANT.
3. LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

REFERENCE KEYNOTES

SHEET KEYNOTES

PROJECT LOGO

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SHEET TITLE

SCHEDULE

E-501

NO.	NAME	MANUFACTURER	QUANTITY
1	HALOGEN FREE LOW SMOKE FLAME RETARDANT WIRES (4MM / 2.5MM)	TONGJI ARCHITECTURE.C.	-
2	MAIN EQUIVALENT POTENTIAL TERMINAL BOX (MEB)	TONGJI ARCHITECTURE.C.	2
3	L50X50X5 HOT DIP GALVANIZED ANGLE STEEL	TONGJI ARCHITECTURE.C.	-
4	C. -40X4 HOT DIP GALVANIZED FLAT STEEL	TONGJI ARCHITECTURE.C.	-
5	100X100X5 HOT DIP GALVANIZED STEEL PLATE	TONGJI ARCHITECTURE.C.	-
6	25X4 HOT DIP GALVANIZED FLAT STEEL	TONGJI ARCHITECTURE.C.	-
7	GROUNDING TEST POINT	TONGJI ARCHITECTURE.C.	2
8	PM9C - ELECTRIC METER	SCHNEIDER-ELECTRIC	1
9	BH-0.66 20I 50/5 - CURRENT TRANSFORMER	SCHNEIDER-ELECTRIC	11
10	MC09 MULTI-CIRCUIT MONITORING UNIT	SCHNEIDER-ELECTRIC	1
11	TMD XCA ISO - CABLE ISOLATOR	SCHNEIDER-ELECTRIC	1
12	NSYSF12640 ELECTRICAL CABINET	SCHNEIDER-ELECTRIC	1
13	AISI 316L STAINLESS-STEEL WALL-MOUNTING ENCLOSURE	SCHNEIDER-ELECTRIC	1
14	CHINESE STANDARD DOUBLE SOCKET-OUTLET INSERT, 2-POLE/3-POLE	SCHNEIDER-ELECTRIC	-
15	CHINESE STANDARD SPLASHED-PROOF SOCKET	SCHNEIDER-ELECTRIC	-
16	CHINESE STANDARD PROTECTED OUTDOOR SOCKET	SCHNEIDER-ELECTRIC	-
17	CHINESE STANDARD PROTECTED SOCKET WITH SWITCH	SCHNEIDER-ELECTRIC	-
18	DPNA VIGI C16A RESIDUAL CURRENT CIRCUIT BREAKER	SCHNEIDER-ELECTRIC	6
19	DPNA VIGI C20A RESIDUAL CURRENT CIRCUIT BREAKER	SCHNEIDER-ELECTRIC	1
20	DPNA C16A 1P CIRCUIT BREAKER	SCHNEIDER-ELECTRIC	5
21	C65N C50A 2P CIRCUIT BREAKER	SCHNEIDER-ELECTRIC	1
22	C65N C25A 2P CIRCUIT BREAKER	SCHNEIDER-ELECTRIC	2
23	C65N C25A 1P CIRCUIT BREAKER	SCHNEIDER-ELECTRIC	1
24	DPNA VIGI C25A RESIDUAL CURRENT CIRCUIT BREAKER	SCHNEIDER-ELECTRIC	2
25	UPS DK500Y	TONGJI ARCHITECTURE.C.	1
26	PR20 (1P+N) SURGE SURPRESSO	SCHNEIDER-ELECTRIC	1
27	Φ10 HOT DIP GALVANIZED FLAT STEEL – LIGHTNING PROTECTION STRIP	TONGJI ARCHITECTURE.C.	-
28	Φ10 HOT DIP GALVANIZED ROUND STEEL – LIGHTNING PROTECTION DOWNING WIRE	TONGJI ARCHITECTURE.C.	-

MAIN EQUIPMENTS AND MATERIALS IN PV SYSTEM				
MANUFACTURER	PRODUCT	MODEL	SIZE	QUANTITY
SANYO	PV PANEL	SANYO_HIT-205_200_DNKHE1	862X1630X35	24
SANYO	JUNCTION BOX	CUSTOMIZED	220X300X120	1
SMA	INVERTER	SMC 8000TL	403X597X136	1

**SYSTEM DESCRIPTION**

PHOTOVOLTAIC SYSTEM CONSISTS OF PV PANELS, PV JUNCTION BOX, SURGE PROTECTIVE DEVICE BOXES, INVERTER AND CABLES FOR CONNECTION.  
 PV PANELS ARE DESIGNED TO BE PLACED ON A FLAT ROOF. PV PANELS COLLECT SOLAR ENERGY WITH ZERO DEGREE INSTALLED ANGLE. UNDER THE PV PANELS, THERE ARE VENTILATION CHANNELS WITH THE HEIGHT OF 500MM FOR AIR VENTILATION. SURPLUS HEAT ACCUMULATED BEHIND PV PANELS WILL BE TAKEN AWAY BY AIR VENTILATION IN CHANNELS AND WILL BE RELEASED OUTDOORS. THE ELECTRICAL SYSTEM IS DESIGNED USING THE FOLLOWING CRITERIA:  
 (1) IEC60364-7-712  
 (2) GB/T 19939-2005

**Calculation for Y House**

The Y House has a floor area of 880 ft<sup>2</sup>, exclusive of open porches. It has two 20-A small appliance circuits, one 20-A laundry circuit, one 5.0-kW counter-mounted cooking unit, a 3.2-kW water heater, a 2.3-kW dishwasher, a 5-kW combination clothes washer and dryer, and a 6-kW air-conditioning units. Assume counter-mounted cooking unit and dryer kW ratings equivalent to kVA ratings in accordance with NEC 220.54 and NEC 220.55.

**Calculated Load**

General Lighting Load: 880 ft<sup>2</sup> at 3 VA per ft<sup>2</sup> = 2,640 VA

**Minimum Number of Branch Circuits Required**

General Lighting Load: 2,640 VA ÷ 220 V = 12 A

This requires one 15-A, 2-wire circuits.  
 Small-Appliance Load: Two 2-wire, 20-A circuits.  
 Laundry Load: One 2-wire, 20-A circuit.  
 Bathroom Branch Circuit: One 2-wire, 20-A circuit (no additional load calculation is required for this circuit).

**Minimum Size Feeder Required**

General Lighting	2,640VA
Small Appliance	3,000VA
Laundry	1,500VA
One Cooking Unit	4,000VA
Water Heater	3,200VA
Dishwasher	2,300VA
Washer/Dryer	5,000VA
<b>Total general load</b>	<b>21,640VA</b>
First 10kVA at 100%	10,000VA
Remainder at 40% (11.64kVA x 40%)	4,656VA
<b>Subtotal general load</b>	<b>14,656VA</b>
Air Conditioning	6,000VA
<b>Total</b>	<b>20,656VA</b>

**Calculated Load for Service**

20,656 VA ÷ 380 V = 54.4 A (service rating)

**Feeder Neutral Load, per NEC 220.61**

General Lighting	2,640VA
Three 20-A at 1500VA	4,500VA
<b>Subtotal</b>	<b>7,140VA</b>
3,000VA at 100%	3,000VA
7,140VA-3,000VA=4,140VA at 35%	1,449VA
<b>Subtotal</b>	<b>4,449VA</b>
Cooking Unit: 4,000VA at 70% for neutral load	2,100VA
Washer/Dryer: 5,000VA at 70% for neutral load	3,500VA
Dishwasher	2,300VA
<b>Total</b>	<b>12,349VA</b>

**Calculated Load for Neutral**

12,349 VA ÷ 380 V = 32.5 A (use 33 A)

CIRCUITS	CONDUIT SIZE
WC1	BV-2x2.5 PC20 SEC/CC
WC2	BV-2x2.5+E2.5 PC20 SEC/CC
WC3	BV-2x2.5+E2.5 PC20 SEC/CC
WC4	BV-2x4+E4 PC20 SEC/CC
WC5	BV-2x4+E4 PC20 SEC/CC
WC6	BV-2x2.5+E2.5 PC20 SEC/CC
WC7	BV-2x2.5+E2.5 PC20 SEC/CC
WC8	BV-2x4+E4 PC20 SEC/CC
WC9	BV-2x2.5+E2.5 PC20 SEC/CC
WC10	BV-2x2.5+E2.5 PC20 SEC/CC
WC11	BV-2x2.5+E2.5 PC20 SEC/CC
WC12	BV-2x2.5+E2.5 PC20 SEC/CC

**NOTE:**

- WC#, THE NAME OF CIRCUIT, IS DETAILED IN E-601 ONE-LINE PLAN.
- IN BV-2x4+E4, 'BV' MEANS HALOGEN FREE LOW SMOKE FLAME RETARDANT WIRES, '2x4' MEANS TWO THIS KIND WIRES WITH CROSS-SECTIONAL AREA 4 MM<sup>2</sup> FOR POWER PLAN, AND 'E4' MEANS ONE THIS BV KIND WIRE WITH CROSS-SECTIONAL AREA 4 MM<sup>2</sup> FOR GROUINDING PROTECTION.
- 'PC20 SEC/CC' MEANS THE WIRE ROUTING METHOD IN WHICH 'PC20' IS CONDUIT WITH DIAMETER 20MM FOR WIRE ROUTING, 'SEC/CC' MEANS THE CONDUIT IS FIXED ON THE CEILING, AND 'CC' MEANS THE CONDUIT IS HIDDEN.

**PROJECT LOGO**

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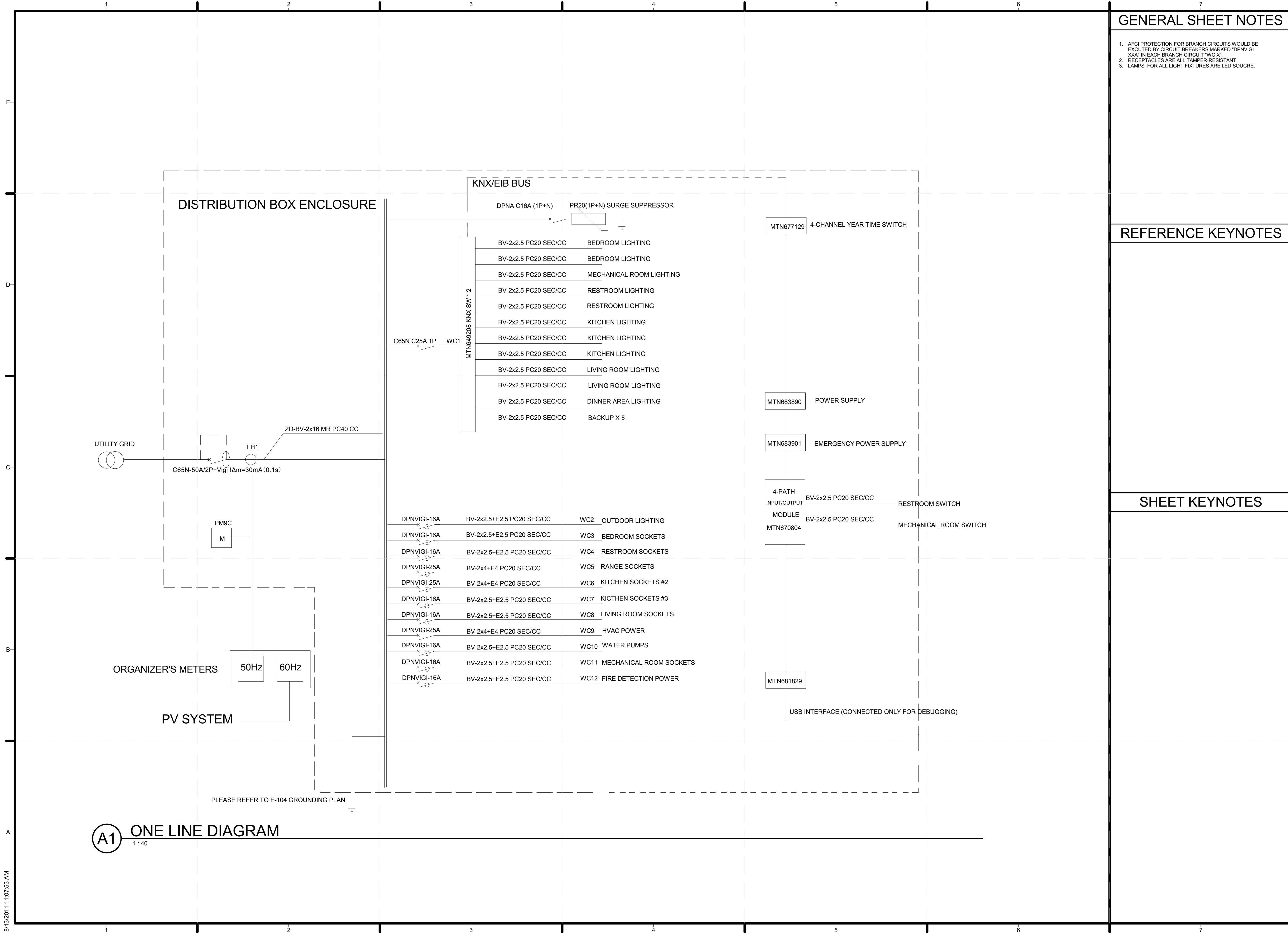
**SHEET TITLE**

DATA SHEET

E-502

**A1 DATA SHEET (EL)**  
1:45

**A6 WIRE & CONDUIT SIZE**  
1:50



**DISTRIBUTION BOX ENCLOSURE**

**GENERAL SHEET NOTES**

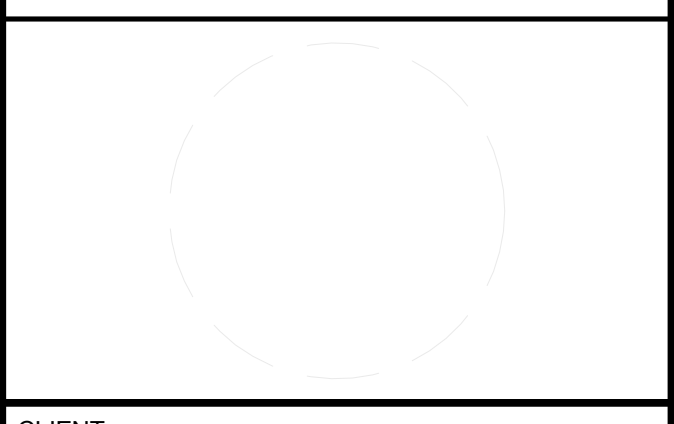
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**PROJECT LOGO**

**REFERENCE KEYNOTES**

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**SHEET KEYNOTES**

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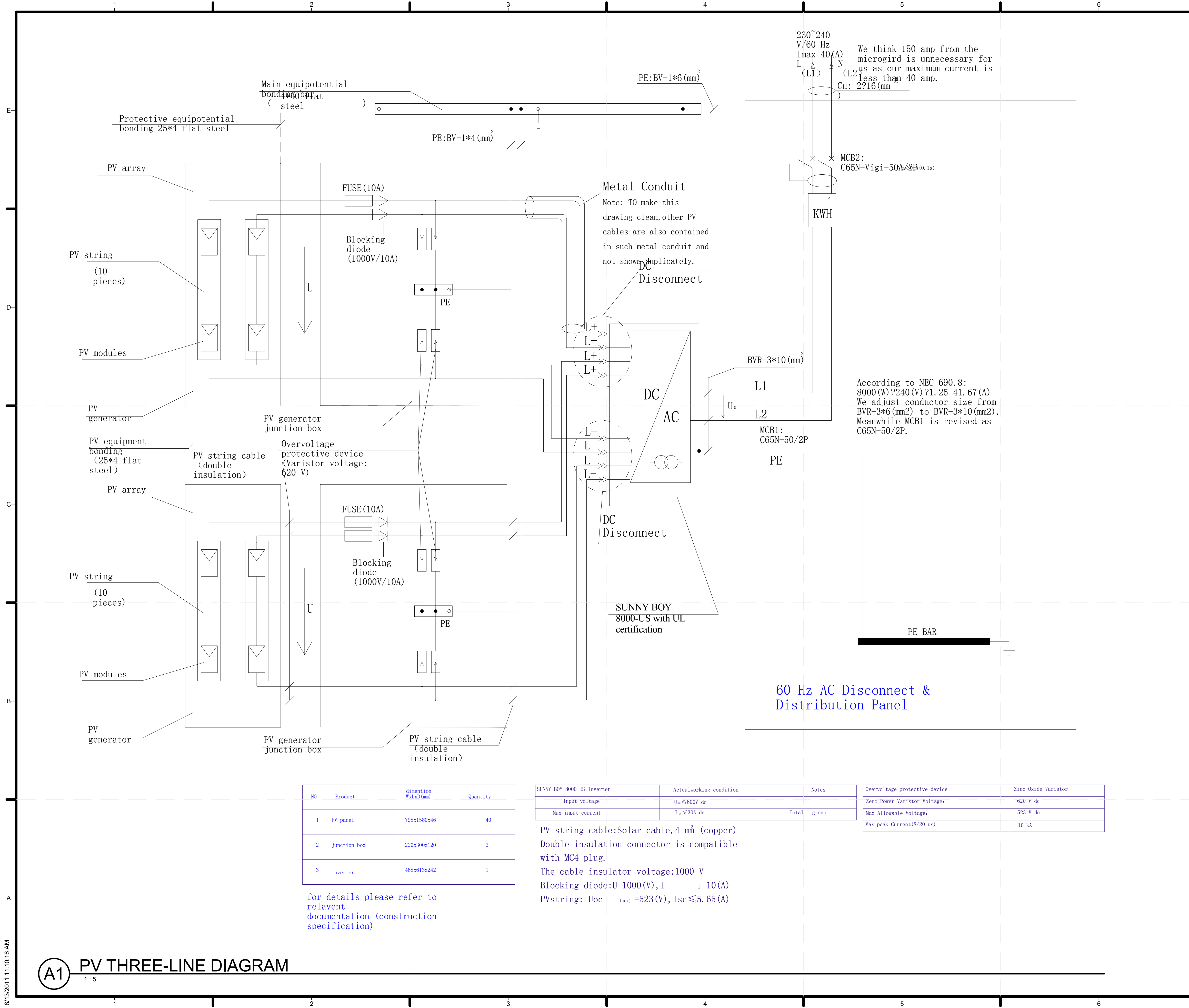
**SHEET TITLE**

**ONE-LINE DIAGRAM**

**E-601**

**(A1) ONE LINE DIAGRAM**  
1:40

8/13/2011 11:07:53 AM



**GENERAL SHEET NOTES**

- Notes:  $U_0=240Vac+10/-15%$  ( $f=60\pm 0.5Hz$ )
- Block diode is necessary to prevent short current circuit
- System description: xsm1.qj; Photovoltaic System consists of PV panels, PV Junction Box, surge protective device boxes, Inverter and cables for connection. PV panels are designed to be placed on two flat roofs. PV panels collect solar energy with zero solar angle. q; Under the PV panels, there are ventilation channels with the height of 598mm for air ventilation. Surplus heat accumulated behind PV panels will be taken away by air ventilation in channels and will be released outdoors
- The electrical system is designed using the following criteria: sm1.5.qj(1) The US 2008 National Electrical Code
- P.S.: A.SUNNY BOY 8000-US inverter has UL certification. B.SANYO HIT Power 220A is actually used in U.S.A.
- Details please refer to project manual 7.2.1 and 7.2.2
- We think 150 amp from the microgrid is unnecessary for us as our maximum current is less than 40 amp.  $I_{max}=8000(W)+240(V)=33.33(A)$
- According to NEC 690.8:  $8000(W)+240(V) \times 1.25=41.67(A)$ ; We adjust conductor size from BVR-3\*6(mm<sup>2</sup>) to BVR-3\*10(mm<sup>2</sup>). Meanwhile MCB1 is revised as C65N-50/2P.
- DC disconnect is shown in E-602. Metal conduit is used to contain all the PV cables inside the mechanical room to the SB 8000 US inverter. It is shown in E-602.
- The SMA SB 8000US does have L1, L2 and N, three wires plus PE for the 240 volt AC output. It is shown in E-602.
- No switch or breaker is the neutral conductor anymore.
- The DC negative conductors from the PV array are deleted. We will not use them anymore.

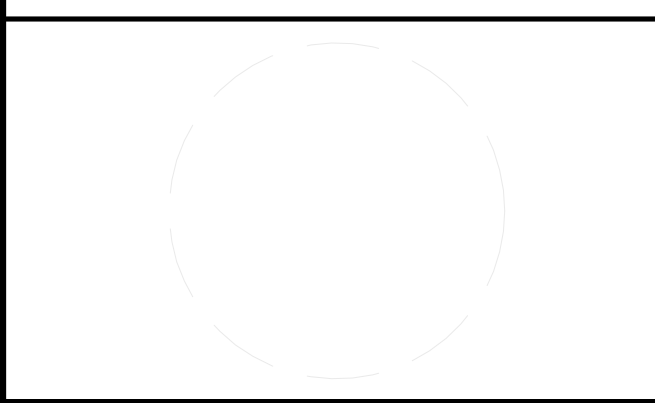
**REFERENCE KEYNOTES**

**SHEET KEYNOTES**

**PROJECT LOGO**

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**SHEET TITLE**  
 PV SYSTEM  
 THREE-LINE DIAGRAM

**E-602**

NO	Product	Dimension WxD(mm)	Quantity
1	PV panel	798x1580x46	40
2	junction box	220x300x120	2
3	inverter	468x613x242	1

for details please refer to relevant documentation (construction specification)

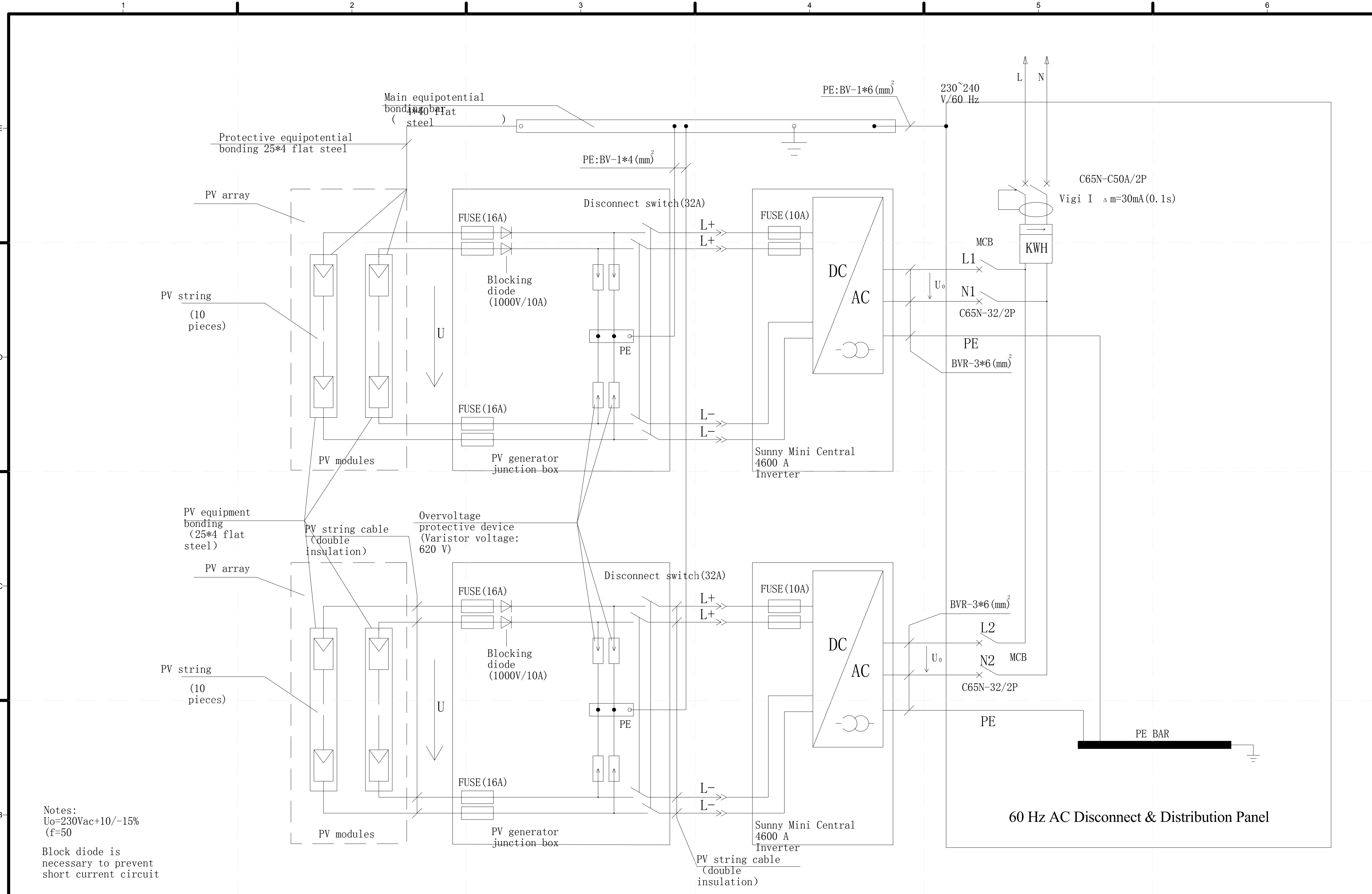
SUNNY BOY 8000-US Inverter	Actual working condition	Notes
Input voltage	$U_{in} \leq 600V$ dc	
Max input current	$I_{in} \leq 30A$ dc	Total 1 group

PV string cable: Solar cable, 4 mm<sup>2</sup> (copper)  
 Double insulation connector is compatible with MC4 plug.  
 The cable insulator voltage: 1000 V  
 Blocking diode:  $U=1000(V)$ ,  $I_f=10(A)$   
 PV string:  $U_{oc} = 523(V)$ ,  $I_{sc} \leq 5.65(A)$

Overvoltage protective device	Zinc Oxide Varistor
Zero Power Varistor Voltage:	620 V dc
Max Allowable Voltage:	523 V dc
Max peak Current (8/20 us)	10 kA

**A1 PV THREE-LINE DIAGRAM**

8/13/2011 11:10:16 AM



Notes:  
 $U_0 = 230\text{Vac} + 10\% - 15\%$   
 $f = 50$

Block diode is necessary to prevent short current circuit

**System description:**

Photovoltaic System consists of PV panels , PV Junction Box, surge protective device boxes, Inverter and cables for connection. PV panels are designed to be placed on three flat roofs. PV panels collect solar energy with zero solar angle. Under the PV panels, there are ventilation channels with the height of 598mm for air ventilation. Surplus heat accumulated behind PV panels will be taken away by air ventilation in channels and will be released outdoors

The electrical system is designed using the following criteria:  
 (1) IEC60364-7-712

NO	Product	dimention WxLxD (mm)	Quantity
1	PV panel	798x1580x46	40
2	junction box	220x300x120	2
3	inverter	468x613x242	2

Sunny Mini Central 4600 A Input	Actual working voltage	Notes
$I_{in} \leq 26\text{A dc}$	$U_{dc} = 400\text{V}$	Total 2 groups
Max Output current	$I_{in} \leq 26\text{A dc}$	

PV string cable: Solar cable, 4 mm (copper)  
 Double insulation connector is compatible with MC4 plug.  
 The cable insulator voltage: 1000 V  
 Blocking diode:  $U = 1000\text{V}$   $I = 10\text{A}$   
 (PV string  $U_{oc(max)} = 523\text{V}$   $I_{sc} = 5.65\text{A}$ )  
 Color of conductor:  
 Line N & Line N1 & Line N2: Light blue  
 Line L & Line L1 & Line L2: Brown  
 PV Cable: Black

Overvoltage protective device	Zinc Oxide Varistor
Max Allowable Current (8/20 us)	623 V 10 kA

**A1 PV SYSTEM THREE-LINE DIAGRAM**  
 1:50

**GENERAL SHEET NOTES**

- AFGI PROTECTION FOR BRANCH CIRCUITS WOULD BE EXECUTED BY CIRCUIT BREAKERS MARKED "DPNVIGI XXX" IN EACH BRANCH CIRCUIT "WC X"
- RECEPTACLES ARE ALL TAMPER-RESISTANT.
- LAMPS FOR ALL LIGHT FIXTURES ARE LED SOURCE.

**PROJECT LOGO**

**REFERENCE KEYNOTES**

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**SHEET KEYNOTES**

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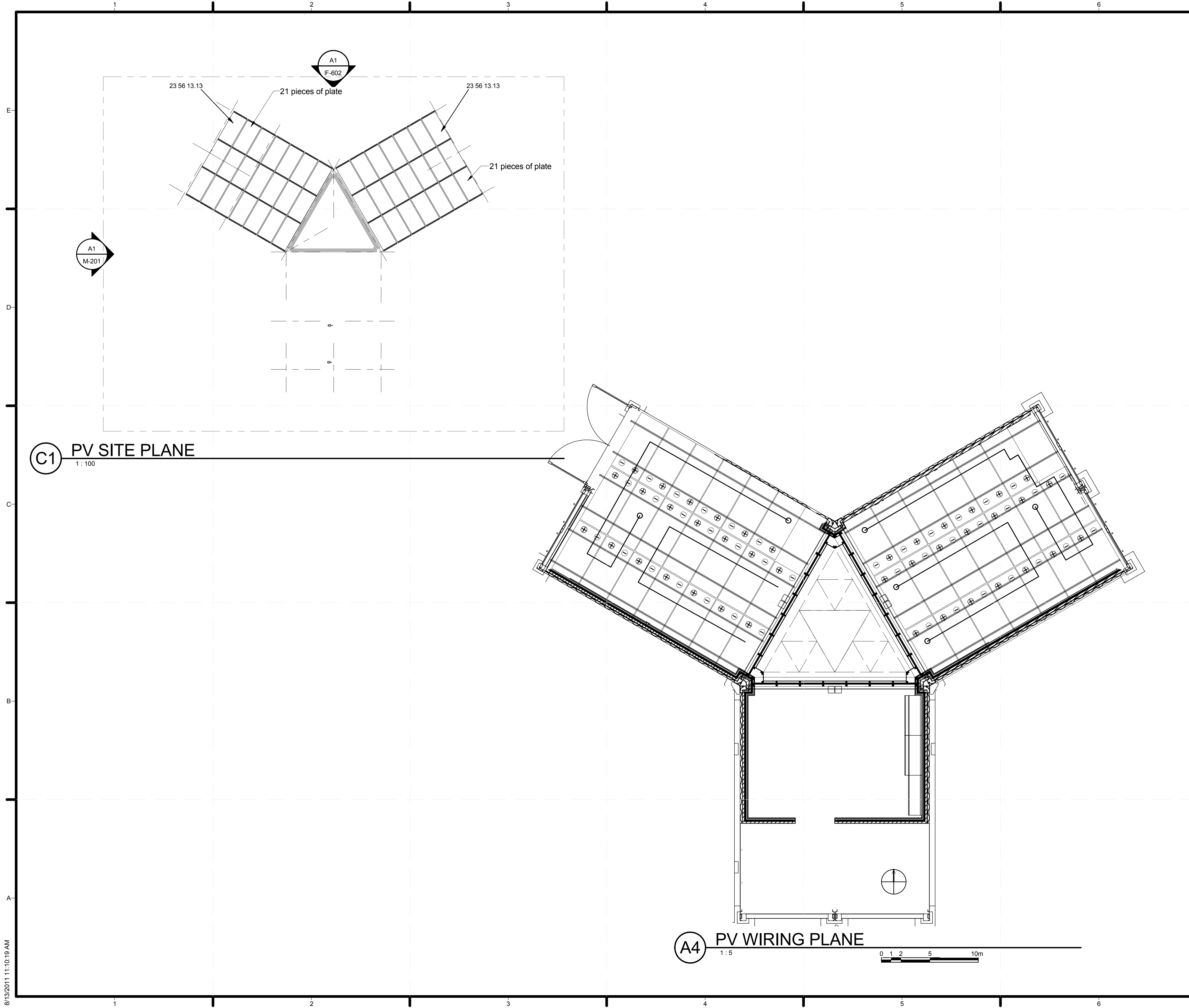
**SHEET TITLE**

**PV SYSTEM THREE-LINE DIAGRAM**

**E-602**







**GENERAL SHEET NOTES**

1. After a preliminary calculation, it is noted, solar collector tubes raise to 4 groups instead of 2 groups
2. Photovoltaic panels increased to 36
3. The MEP model is different from ARCHITECTURE model on the roof, because energy system-solar collectors and solar panels, is still under adjusting. We will update the ARCHITECTURE model in accordance with MEP model as soon as possible.
4. The details of PV system please refer to the "Interconnection application form" in project manual.

**REFERENCE KEYNOTES**

23 56 13.13 HEATING SOLAR FLAT-PLATE COLLECTORS

**SHEET KEYNOTES**

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SHEET TITLE  
**PV WIRING PLANE**

**E-603**





# CONTENT

- T-001 - TELECOMMUNICATIONS SYMBOLS AND NOTES
- T-101 - TELECOMMUNICATIONS WIRING PLAN
- T-601 - SCHEMATIC DIAGRAM

## ABBREVIATE

- LR - LIVING ROOM
- BR - BEDROOM
- RR - RESTROOM
- MR - MECHANICAL ROOM
- BD - BACK DOOR
- KC - KITCHEN
- HMI - HUMAN MACHINE INTERFACE
- CB - CONTROL BOX
- DB - DISTRIBUTION BOX

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#### SHEET TITLE

TELECOMMUNICATIONS  
SYMBOLS AND NOTES

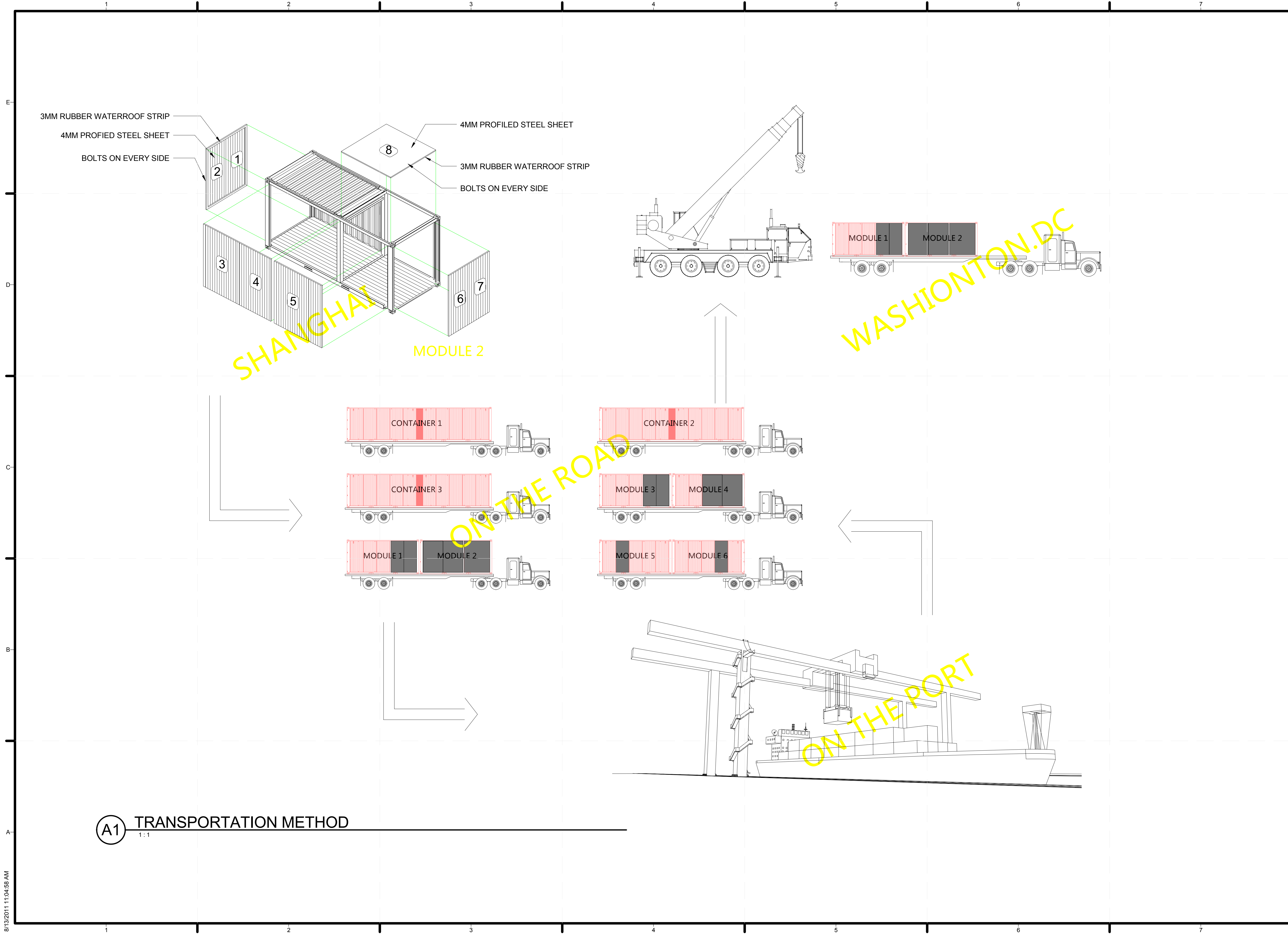
# T-001





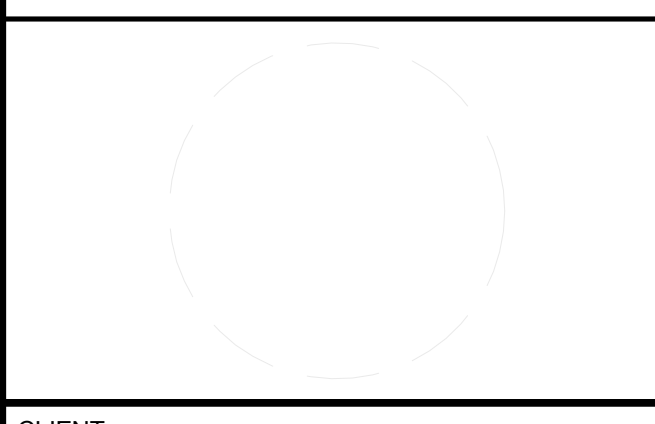






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SHEET TITLE  
 ARRIVAL SEQUENCE PLANS

O-101A

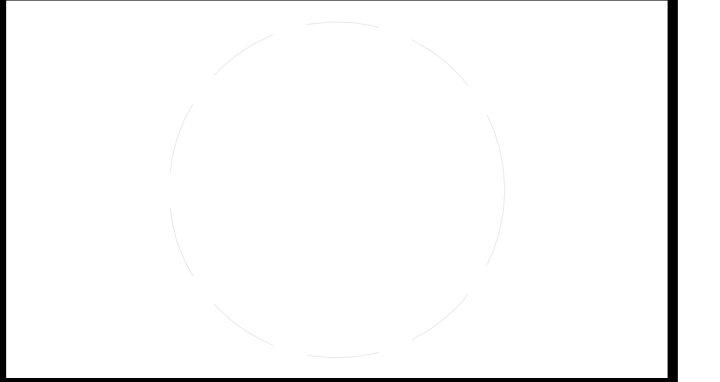
(A1) TRANSPORTATION METHOD  
 1:1





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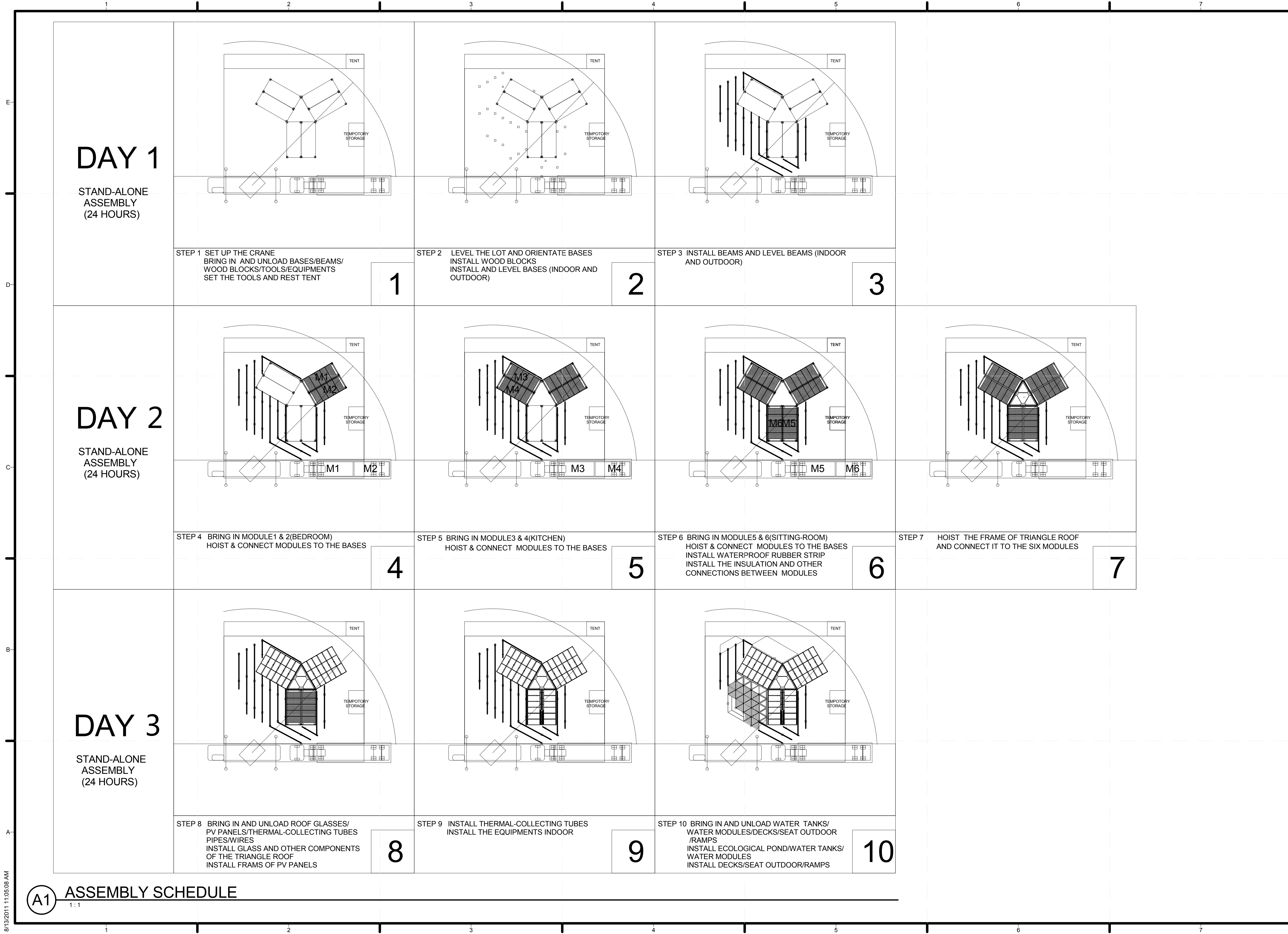


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SHEET TITLE

ASSEMBLY SCHEDULE

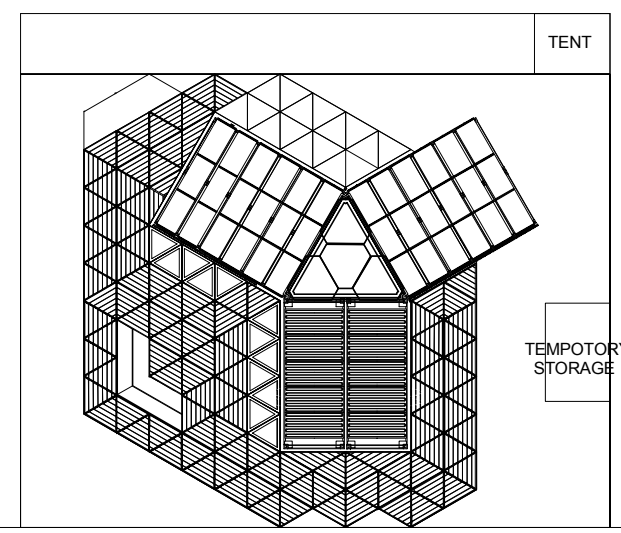
O-101C





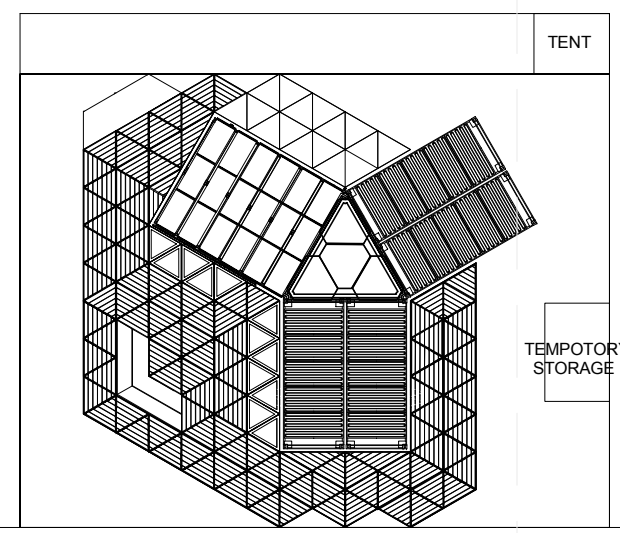
# DAY 2

DISASSEMBLY  
(24 HOURS)  
WATER REMOVAL  
(8 A.M. – 6 P.M.)



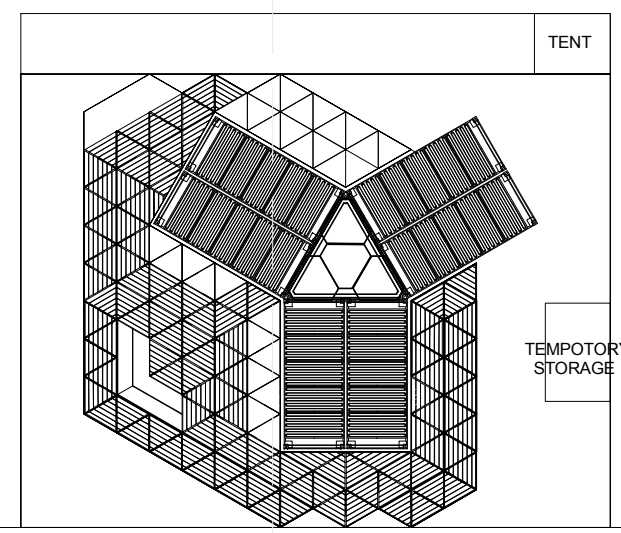
STEP 1 DISASSEMBLE FURNITURES  
DISASSEMBLE CONNECTIONS  
DISASSEMBLE FACADE COMPONENTS  
DISASSEMBLE THERMAL-COLLECTING TUBES

1



STEP 2 DISASSEMBLE PV PANELS  
DISASSEMBLE CONNECTIONS INDOOR/  
CEILING/WALL PAPER

2

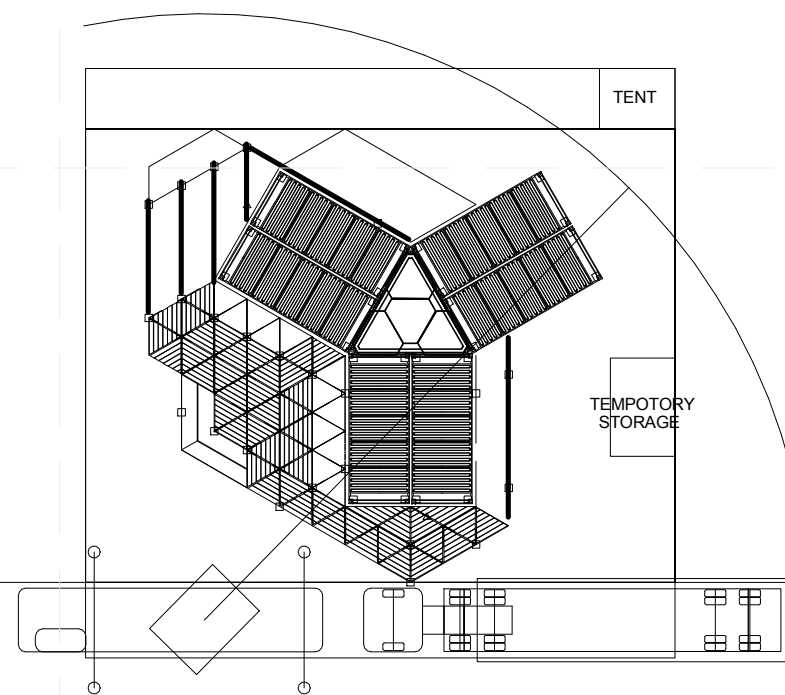


STEP 3 DISASSEMBLE PLUMBING/ELECTRICAL  
/AC SYSTEMS

3

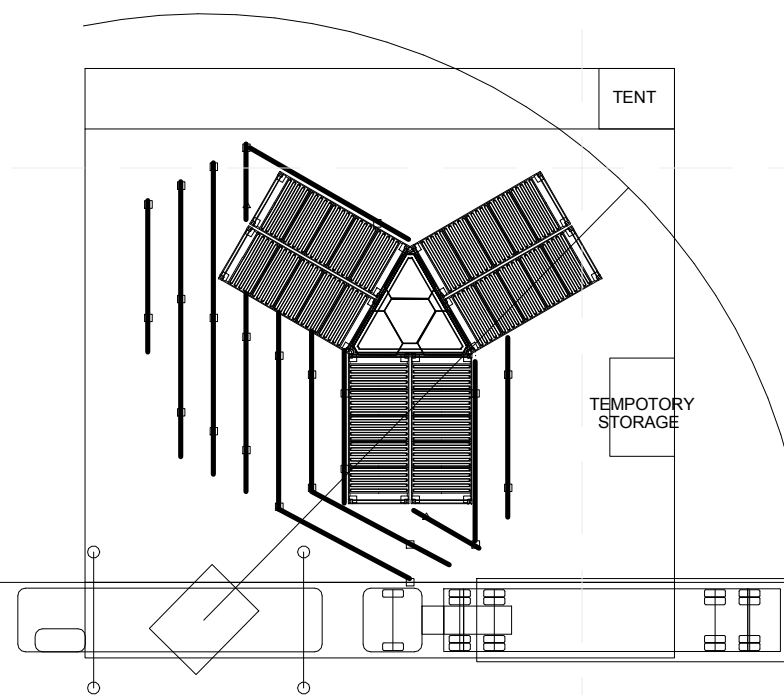
# DAY 3

DISASSEMBLY  
(24 HOURS)



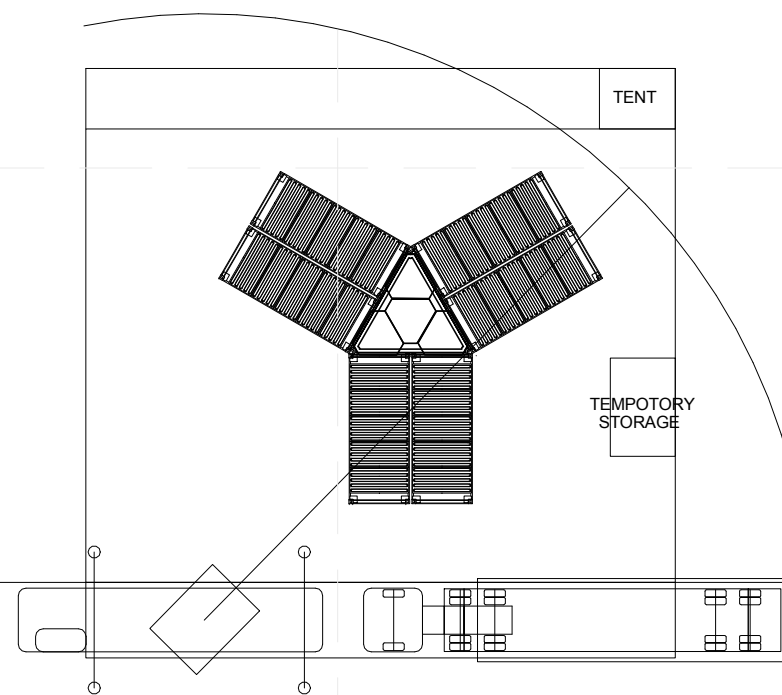
STEP 4 SET UP THE CRANE  
DISASSEMBLE DECKS  
CONTINUING DISASSEMBLE PLUMBING/  
ELECTRICAL/AC SYSTEMS

4



STEP 5 DISASSEMBLE DECKS AND SEAT OUTDOOR  
ECOLOGICAL POND/WATER  
TANKS/WATER MODULES

5

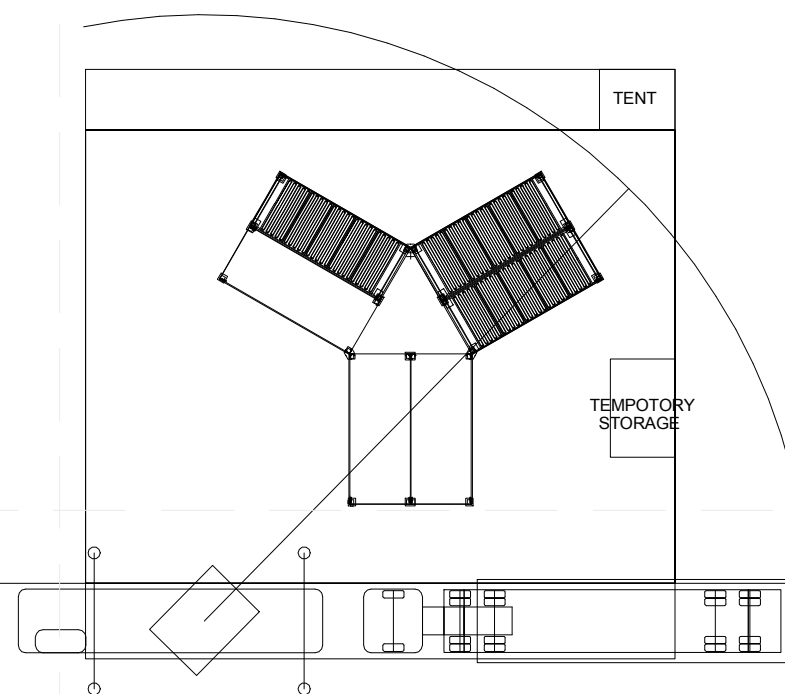


STEP 6 DISASSEMBLE BASES/BEAMS/WOOD  
BLOCKS OUTDOOR  
DISASSEMBLE GLASS AND OTHER  
COMPONENTS OF THE TRIANGLE ROOF  
DISASSEMBLE RADIANT HEATING FLOOR OF  
CENTER AREA

6

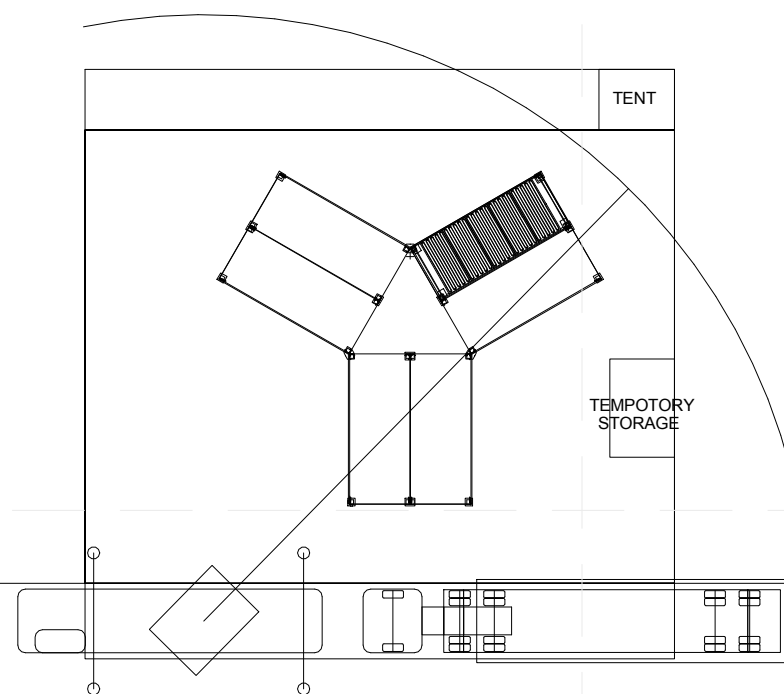
# DAY 4

DISASSEMBLY  
(24 HOURS)



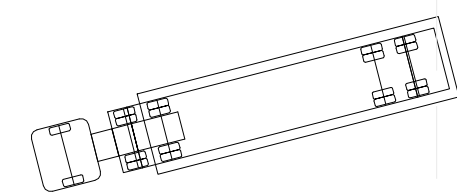
STEP 7 HOIST THE FRAME OF TRIANGLE ROOF  
HOIST HOUSE MODULES

7



STEP 8 HOIST HOUSE MODULES  
DISASSEMBLE BASES/BEAMS/WOOD  
BLOCKS INDOOR

8



STEP 9 REMOVE THE CRANE  
CLEAN THE LOT

9

## DISASSEMBLY SCHEDULE

1:1

### GENERAL SHEET NOTES

### REFERENCE KEYNOTES

### SHEET KEYNOTES



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SHEET TITLE

DISASSEMBLY  
SCHEDULE

O-101E