

FIRE EGRESS LEGEND	
MARK	DESCRIPTION
(F)	FIRE EXTINGUISHER LOCATION
▲	MOVEMENT DIRECTION
---	PRIMARY MOVEMENT PATH

SHEET KEYNOTES	
1	ENTRANCE DOOR
3	EMERGENCY EXIT THROUGH EST WINDOW



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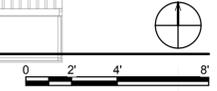
MARK	DATE	DESCRIPTION

SHEET TITLE

EGRESS PLAN

G-102

(A1) EGRESS PLAN  
 1/4" = 1'-0"



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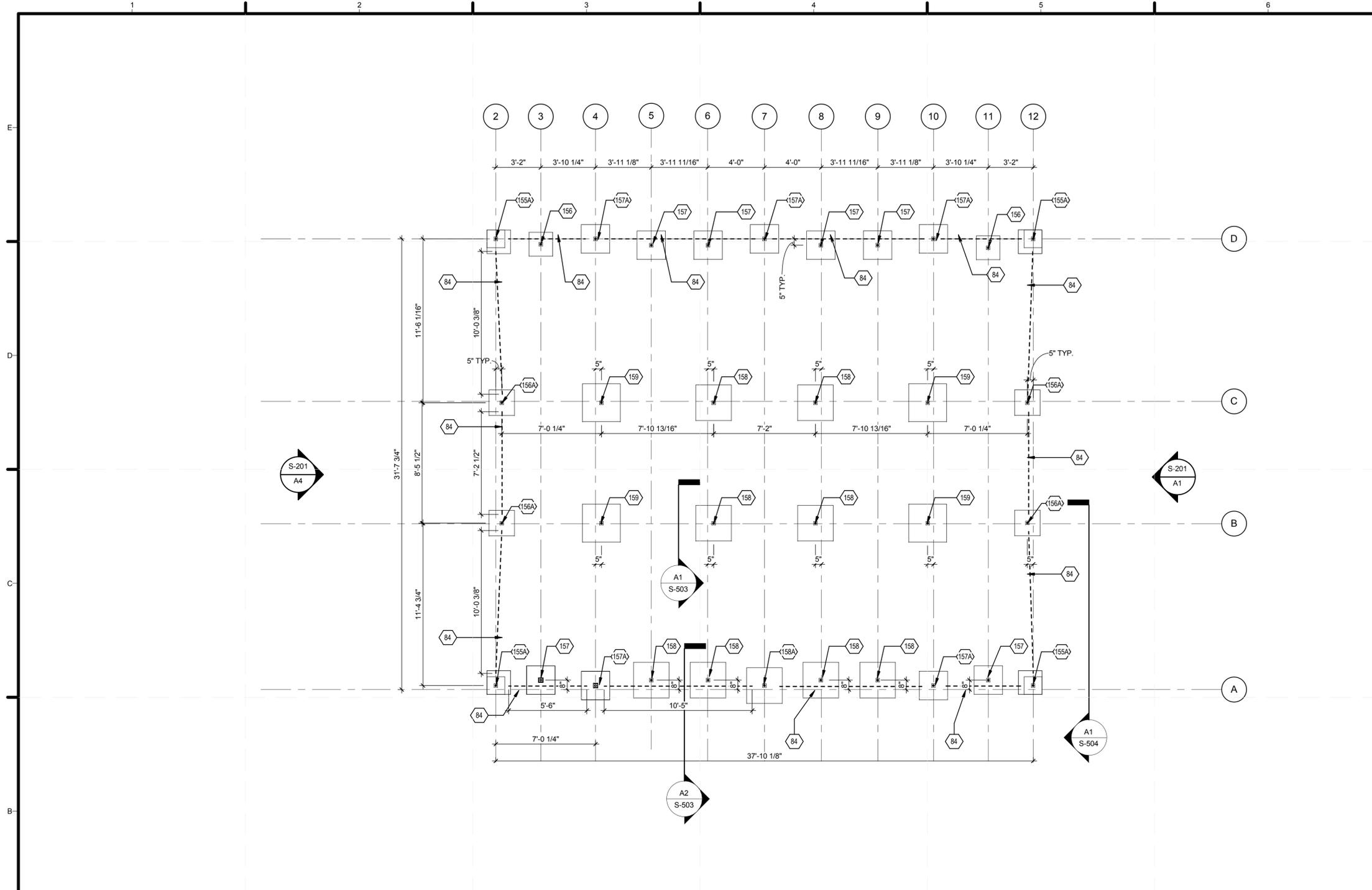




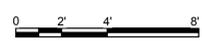








**B1 FOUNDATION PLAN**  
1/4" = 1'-0"



STRUCTURAL FOUNDATION SCHEDULE											
Count	Type	Keynote	Lumber Notes	Bearing Area	Minimum Allowable Load (1000 psf)	Maximum Allowable Load (1500psf)	Minimum Applied Service Load	Maximum Applied Service Load	Comments	Minimum Applied Factored Load	Maximum Applied Factored Load
4	Footing 15x15in (With Bracing)	155A	1-PLY 15X15 WITH 4-PLY 20X20 TOP ARRANGED AS SHOWN	1.6 SF	1.6 kip	2.3 kip	1.6 kip	1.9 kip	Footing	2.3 kip	3.0 kip
2	Footing 20x20in	156	4-PLY	2.8 SF	2.8 kip	4.2 kip	3.3 kip	3.8 kip	Footing	4.6 kip	5.7 kip
4	Footing 21.5x21.5in (With Bracing)	156A	4-PLY	3.2 SF	3.2 kip	4.8 kip	3.3 kip	3.8 kip	Footing	4.6 kip	5.7 kip
6	Footing 24x24in	157	3-PLY	4.0 SF	4.0 kip	6.0 kip	4.3 kip	5.7 kip	Footing	6.4 kip	7.6 kip
5	Footing 24x24in (With Bracing)	157A	4-PLY	4.0 SF	4.0 kip	6.0 kip	4.3 kip	5.7 kip	Footing	6.4 kip	7.6 kip
8	Footing 30x30in	158	3-PLY	6.3 SF	6.3 kip	9.4 kip	6.3 kip	8.5 kip	Footing	9.3 kip	11.9 kip
1	Footing 30x30in (With Bracing)	158A	4-PLY	6.3 SF	6.3 kip	9.4 kip	6.3 kip	8.5 kip	Footing	9.3 kip	11.9 kip
4	Footing 32x32in	159	3-PLY	7.1 SF	7.1 kip	10.7 kip	9.4 kip	10.3 kip	Footing	13.2 kip	14.6 kip

**GENERAL SHEET NOTES**

- SEE GENERAL REQUIREMENTS ON DRAWING S-001.
- SEE TYPICAL DETAILS ON DRAWINGS S-501 AND S-502.
- GROUND DATUM ELEVATION IS 0; CORRESPONDS TO HIGHEST POINT ON COMPETITION LOT IN WASHINGTON, DC.
- UNLESS OTHERWISE NOTED ON PLAN OR DETAILS, THE FOLLOWING DATA APPLIES:  
FRAMED AREAS: DESIGN LOADS IN PSF ARE:  
LIVE LOADS:  
DECKS AND RAMPS 50 PSF (2.4 kPa)  
FLOORS 50 PSF (2.4 kPa)
- UP TO 18" OF ELEVATION CHANGE MAY OCCUR ON THE COMPETITION SITE. WHERE THE ELEVATION DIFFERENCE BETWEEN TWO ADJACENT JACKS IS MORE THAN 14" WOOD BLOCKING MUST BE USED. UNLESS OTHERWISE NOTED ON PLAN, ASSUMED FOOTING BEARING RESISTANCE IS:  
1000 PSF = 47.9 kPa (MIN) TO 1500 PSF = 71.8 kPa (MAX) AT SLS
- BRACING TO BE 1/4" 7/19 GALVANIZED AIRCRAFT CABLE WITH 5/8" EYE HOOKS AND 1/2" JAW TURNBUCKLES.
- WATER TANK (SUPPLY AND DRAIN) BEARING CAPACITY:  
WATER TANK CAPACITY: 950 US GAL. (3.596 m3)  
MAX. WATER TANK LOAD: 7927 lbs (35.23 kN)  
LUMBER AREA: 8X1.5'X7' = 7 FT2 (0.6503 m2)  
BEARING PRESSURE: 1132 PSF (54.18 kPa)



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**REFERENCE KEYNOTES**



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**SHEET KEYNOTES**

- 84 CROSS BRACING CABLING
- 155A 15"X15" FOUNDATION PAD (WITH BRACING)
- 156 20"X20" FOUNDATION PAD
- 156A 21.5"X21.5" FOUNDATION PAD (WITH BRACING)
- 157 24"X24" FOUNDATION PAD
- 157A 24"X24" FOUNDATION PAD (WITH BRACING)
- 158 30"X30" FOUNDATION PAD
- 158A 30"X30" FOUNDATION PAD (WITH BRACING)
- 159 32"X32" FOUNDATION PAD

MARK	DATE	DESCRIPTION

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SHEET TITLE  
**FOUNDATION PLAN - HOME**

**S-101**



































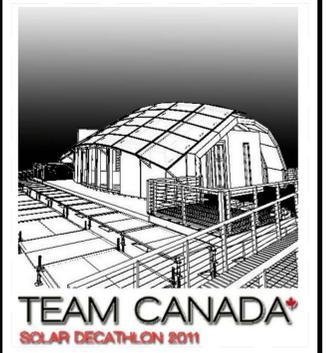


**GENERAL SHEET NOTES**

THE ELEVATION DIFFERENCE BETWEEN THE BOTTOM OF ADJACENT SCREWJACKS (NOT INCLUDING PLYWOOD BASE) CANNOT EXCEED 14". WOOD BLOCKING MUST BE USED AFTER THIS POINT TO REACH COMPETITION LIMIT OF 18" ELEVATION DIFFERENCE.

**REFERENCE KEYNOTES**

05 05 23.B1	1/2" A325 BOLT
05 05 23.K1	7/8" HDG WASHER
05 12 36.A129	L2X2X0.25
05 12 76.M5	W6X12
05 15 16.A1	1/4" 7X19 GALVANIZED AIRCRAFT CABLE
05 15 16.B1	1/4" GALVANIZED WIRE CLIP
05 15 16.C1	1/4" GALVANIZED THIMBLE
05 15 16.D1	1/2" JAW TYPE GALVANIZED TURNBUCKLE
05 15 16.E1	5/8" GALVANIZED EYE BOLT
06 11 00.L5	4X8 BEAM
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD



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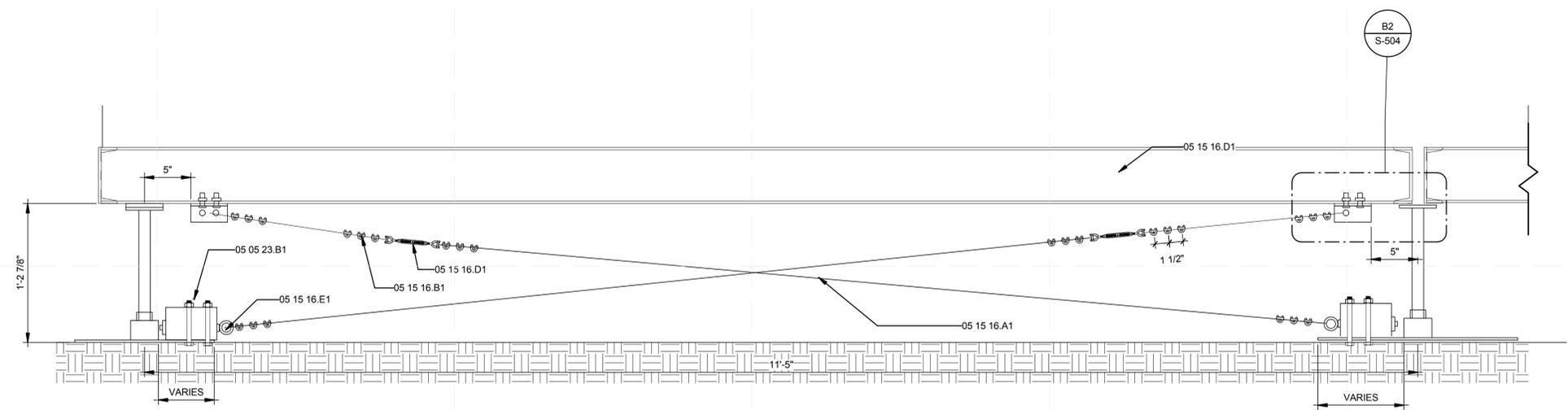
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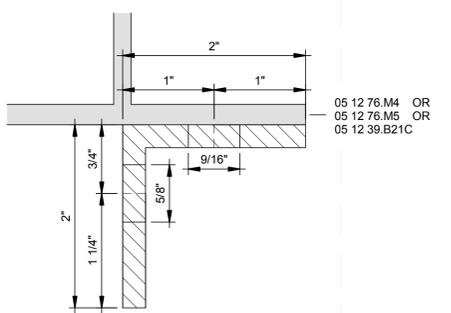
**SHEET TITLE**

**CROSS BRACING DETAILS**

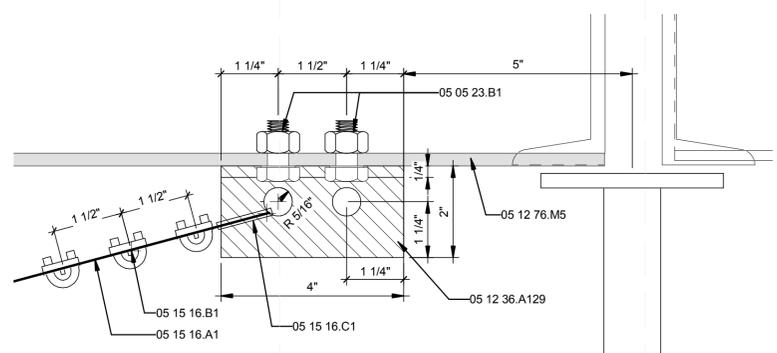
**S-504**



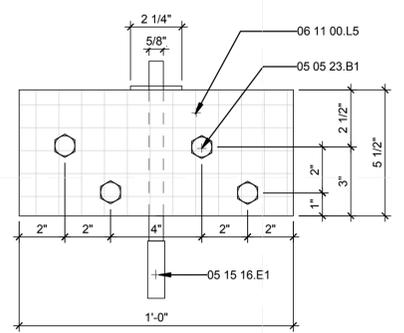
**A1 SKID FOUNDATION BRACING DETAIL**  
 1 1/2" = 1'-0"



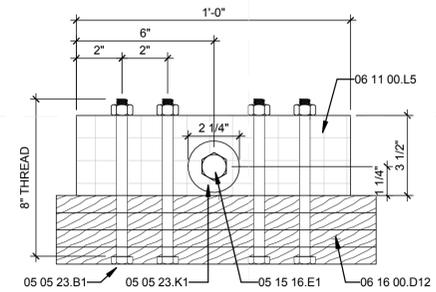
**B1 ANGLE DETAIL - END VIEW**  
 12" = 1'-0"



**B2 ANGLE DETAIL - FRONT VIEW**  
 8" = 1'-0"



**B3 WOOD BLOCKING PLAN**  
 3" = 1'-0"



**B4 WOOD BLOCKING ELEVATION**  
 3" = 1'-0"

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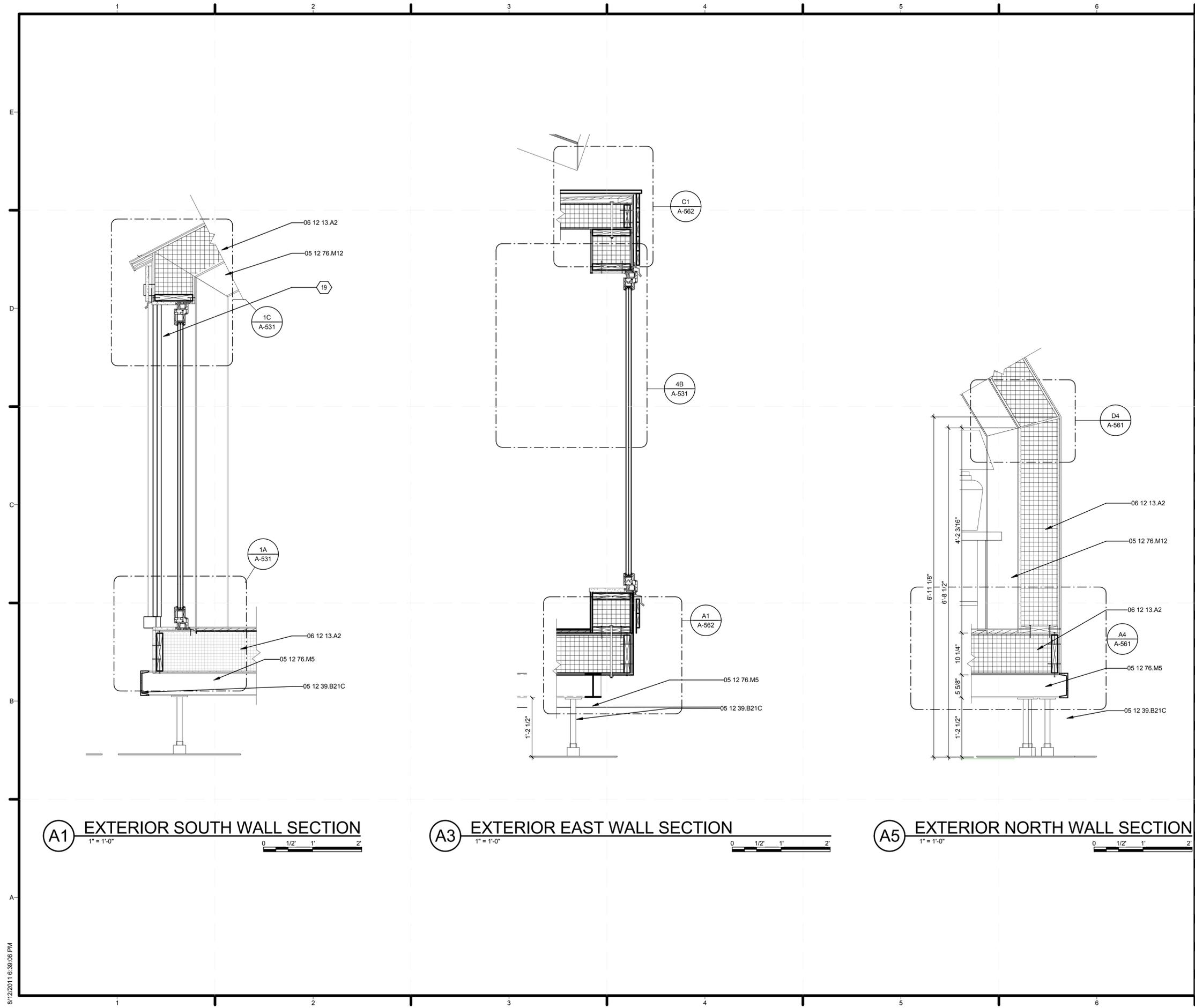












**(A1) EXTERIOR SOUTH WALL SECTION**  
 1" = 1'-0"  
 0 1/2' 1' 2'

**(A3) EXTERIOR EAST WALL SECTION**  
 1" = 1'-0"  
 0 1/2' 1' 2'

**(A5) EXTERIOR NORTH WALL SECTION**  
 1" = 1'-0"  
 0 1/2' 1' 2'

REFERENCE KEYNOTES	
05 12 39.B21C	C6X10.5 CONT.
05 12 76.M5	W6X12
05 12 76.M12	W8X15
06 12 14.A2	10.5" STRUCTURAL INSULATED PANEL
08 52.00	WOOD WINDOWS

SHEET KEYNOTES	
19	INNOTECH TRIPLE GLAZED WINDOW SYSTEM



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SHEET TITLE

WALL SECTIONS

**A-311**



















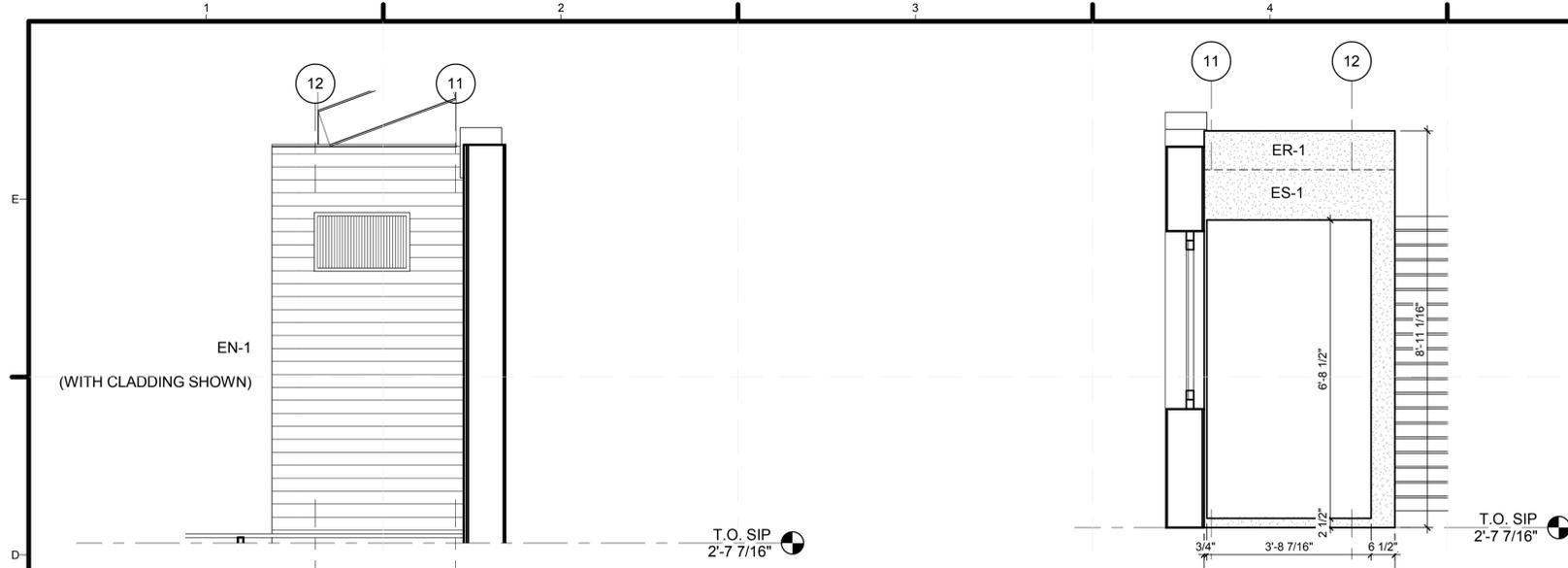






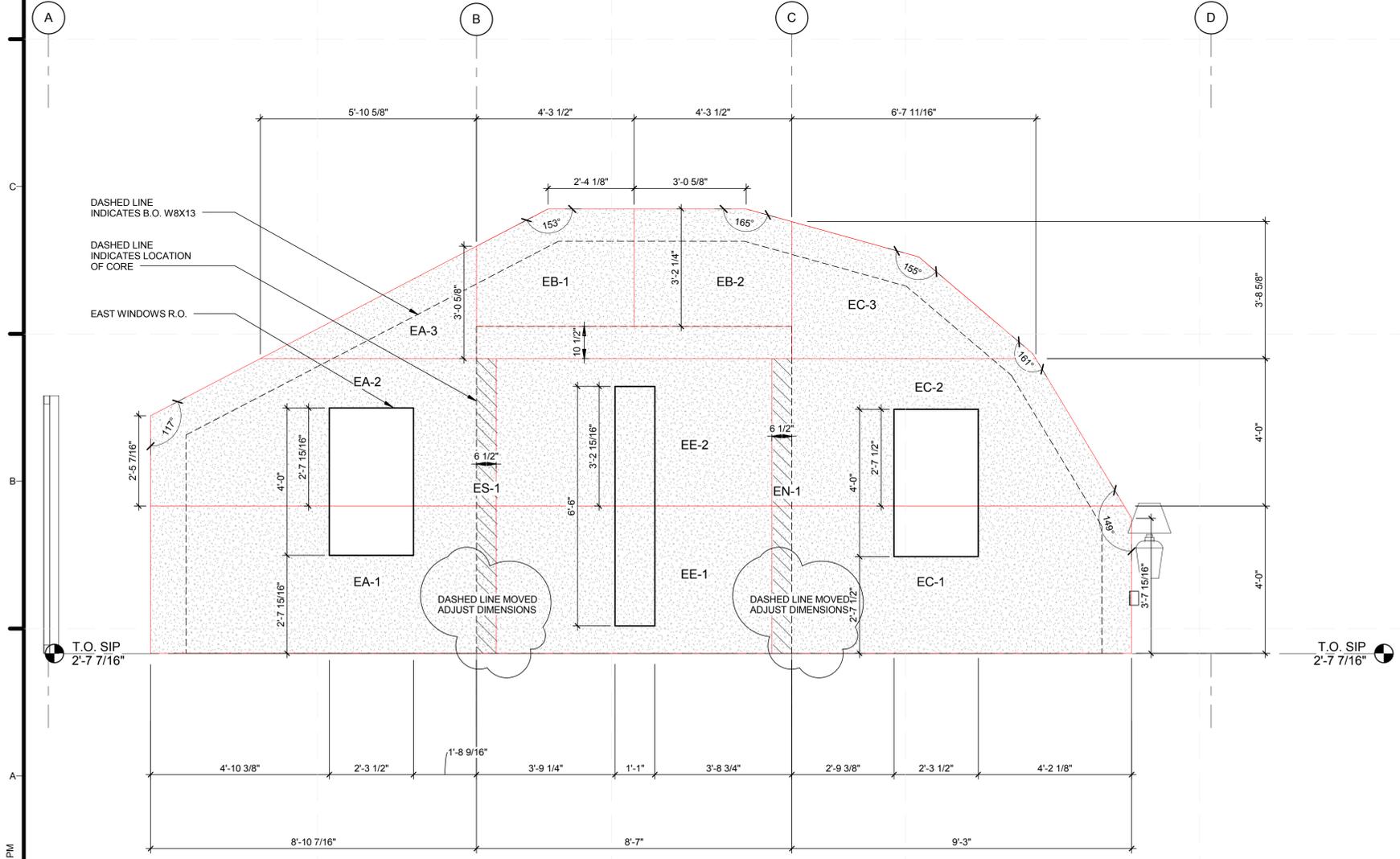






**4 SIP ERECTION - CORE (NORTH WALL)**  
1/2" = 1'-0"

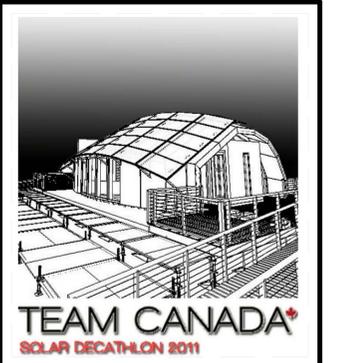
**3 SIP ERECTION - CORE (SOUTH WALL)**  
1/2" = 1'-0"



**1 SIP ERECTION - EAST WALL**  
1/2" = 1'-0"

REFERENCE KEYNOTES

SHEET KEYNOTES



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SHEET TITLE  
**EAST WALL SIP ERECTION**

**A-811**

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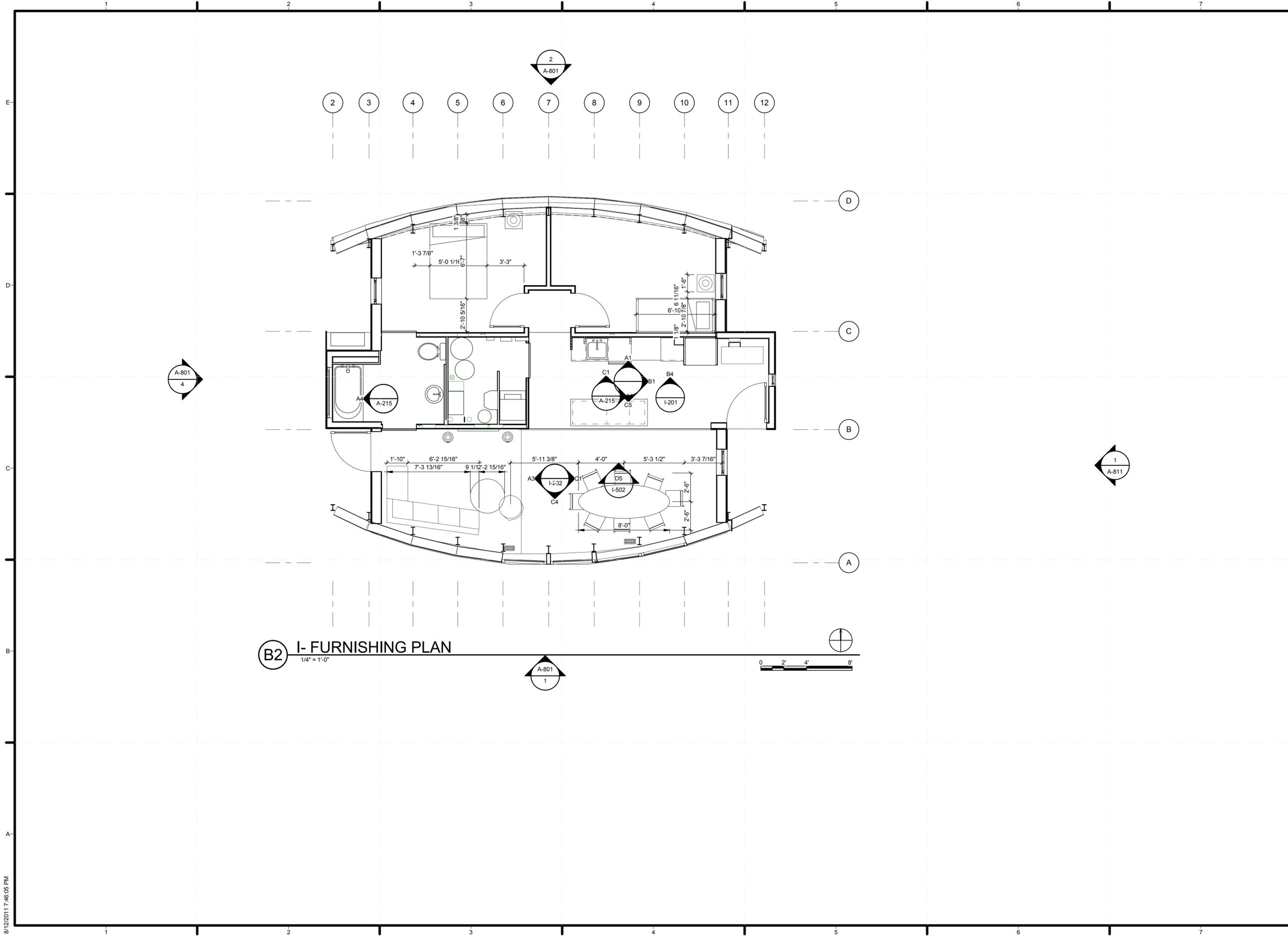


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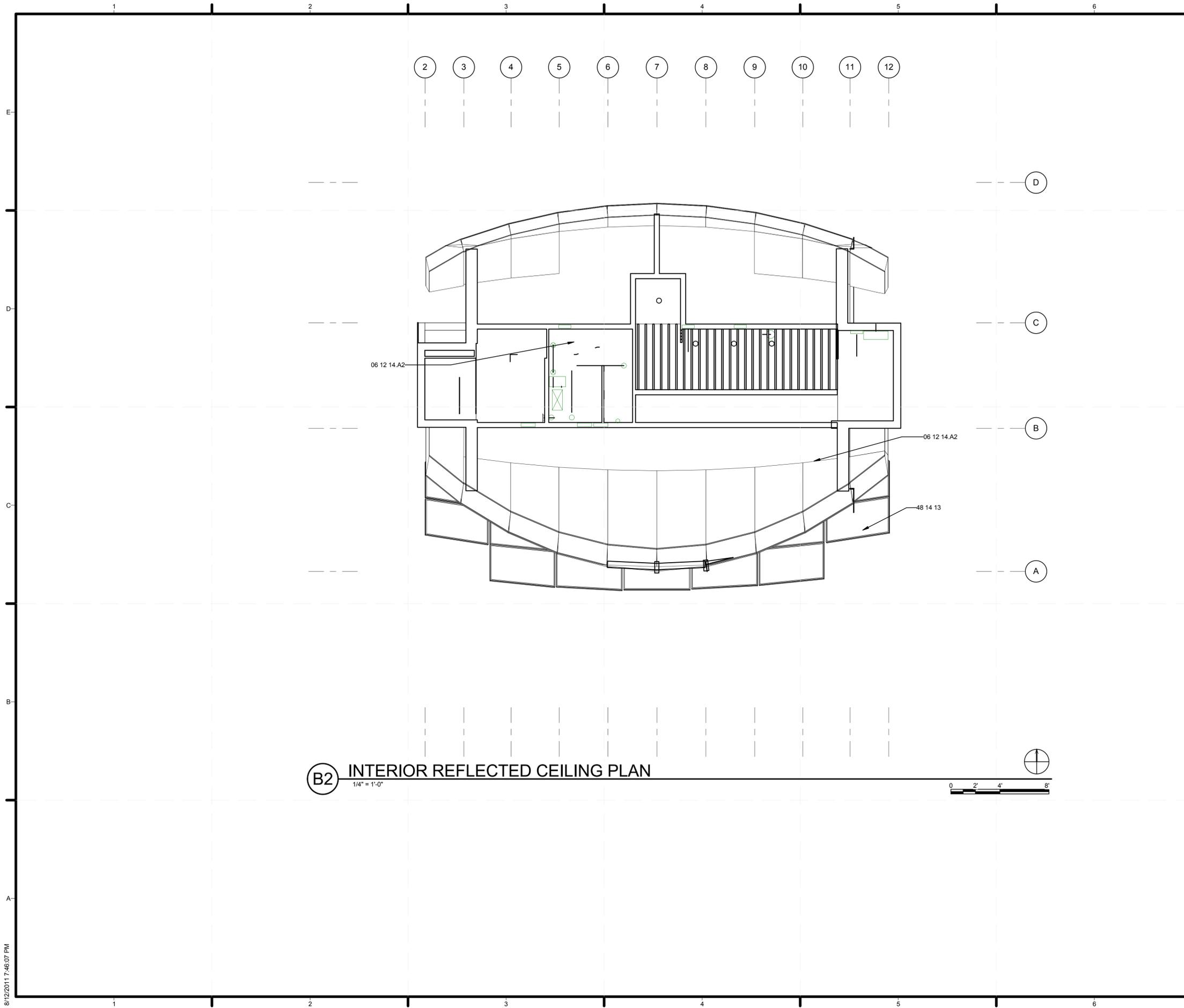
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SHEET TITLE  
INTERIOR FURNISHING  
PLAN

# I-102



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**B2** INTERIOR REFLECTED CEILING PLAN  
 1/4" = 1'-0"



**REFERENCE KEYNOTES**

06 12 14.A2 10.5" STRUCTURAL INSULATED PANEL  
 09 54 26 LINEAR WOOD CEILINGS  
 48 14 13 SOLAR ENERGY COLLECTORS



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**SHEET TITLE**  
 INTERIOR DESIGN REFLECTED CEILING PLAN

**I-103**

































































































