

















































TEAM NAME: TEAM FLORIDA  
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 CONTACT: SEAN SMITH STSMITH6@MAIL.USF.EDU



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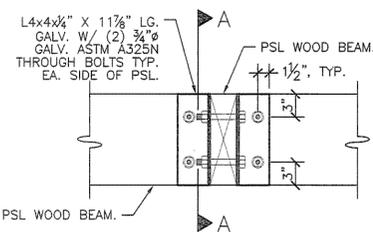
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SHEET TITLE

SECTIONS & DETAILS

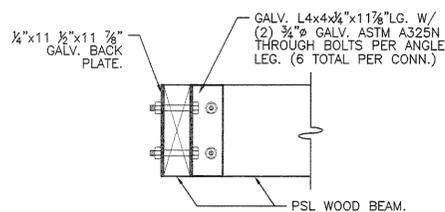
S-009



SECTION A-A

PSL TO PSL CONN. DETAIL ONE

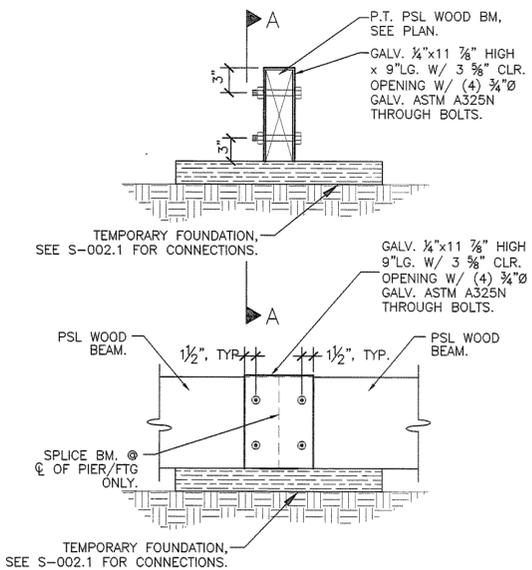
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SECTION A-A

PSL TO PSL CONN. DETAIL TWO

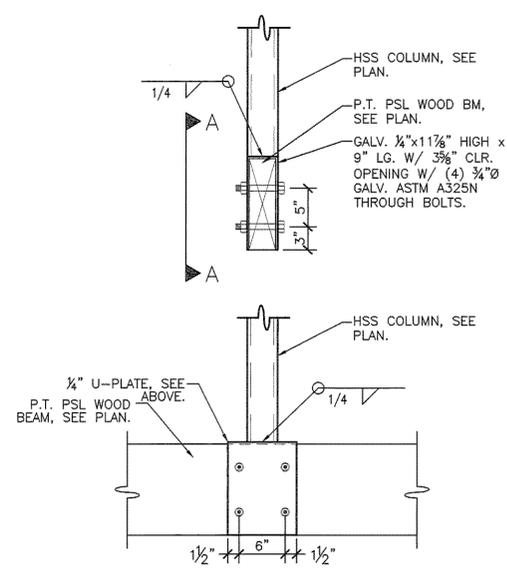
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SECTION A-A

TYP. PSL WOOD BM. TO TEMP. FOUND. DETAIL

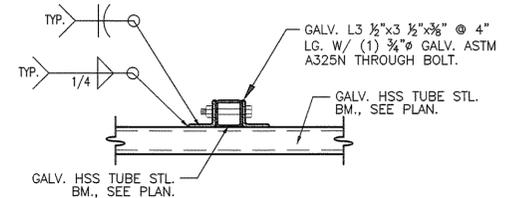
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SECTION A-A

TYP. STEEL COLUMN TO PSL CONN.

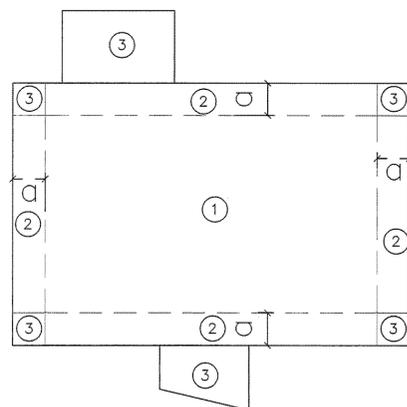
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SECTION A-A

TYPICAL TUBE STEEL BEAM CONNECTION DETAIL ONE

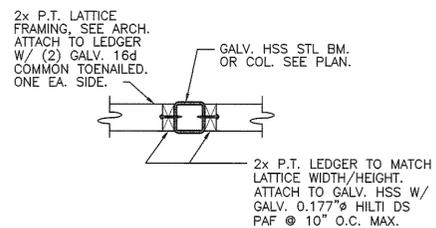
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ROOF SHEATHING NAILING SPECIFICATIONS

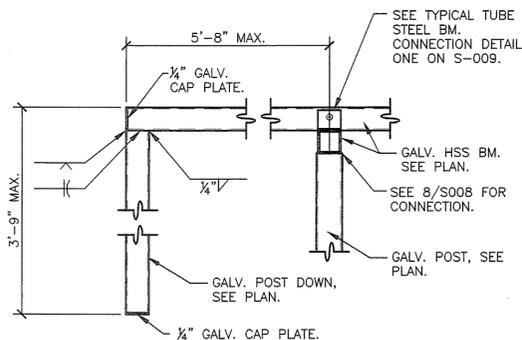
- a DISTANCE IN WIDTH  
a = 6'
- ZONE ① = PROVIDE 10d COMMON WIRE NAILS @ 6" O.C. @ EDGES & 12" O.C. IN INTERMEDIATE FIELD AREA. SHEAR CAPACITY 285 pif PER TABLE 2306.3.1, F.B.C. 2007. LOAD CASE 1.
  - ZONE ② = PROVIDE 2" X 4" BLOCKING IN ROOF FRAMING @ ALL UNSUPPORTED EDGES OF SHEATHING. ATTACH BLOCKING TO TRUSSES W/ MIN. (3) 12d X 3" TOENAILS @ EACH END. PROVIDE 10d COMMON WIRE NAILS @ 4" O.C. @ EDGES & 4" O.C. IN INTERMEDIATE FIELD AREA. SHEAR CAPACITY 385 pif. PER TABLE 2306.3.1 FBC 2007 LOAD CASE 1, 2, 3, & 4.
  - ZONE ③ = PROVIDE 2" X 4" BLOCKING IN ROOF FRAMING @ ALL UNSUPPORTED EDGES OF SHEATHING. ATTACH BLOCKING TO TRUSSES W/ MIN. (3) 12d X 3" TOENAILS @ EACH END. PROVIDE 10d COMMON WIRE NAILS @ 4" O.C. @ EDGES & 4" O.C. IN INTERMEDIATE FIELD AREA. SHEAR CAPACITY 385 pif. PER TABLE 2306.3.1 FBC 2007 LOAD CASE 1, 2, 3, & 4.

ALL ROOF SHEATHING TO BE 5/8" MINIMUM W/ 32/16 SPAN RATING.

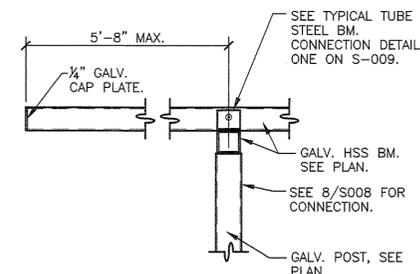


LATTICE TO STEEL FRAMING CONNECTION DETAIL

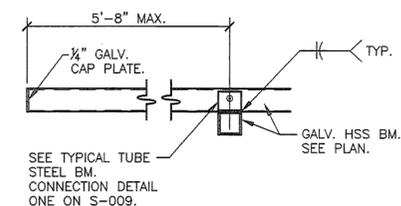
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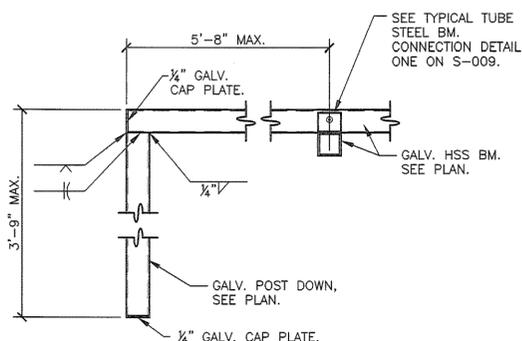
SECTION 1  
S009 3/4"=1'-0"



SECTION 2  
S009 3/4"=1'-0"



SECTION 3  
S009 3/4"=1'-0"



SECTION 4  
S009 3/4"=1'-0"



10HA042  
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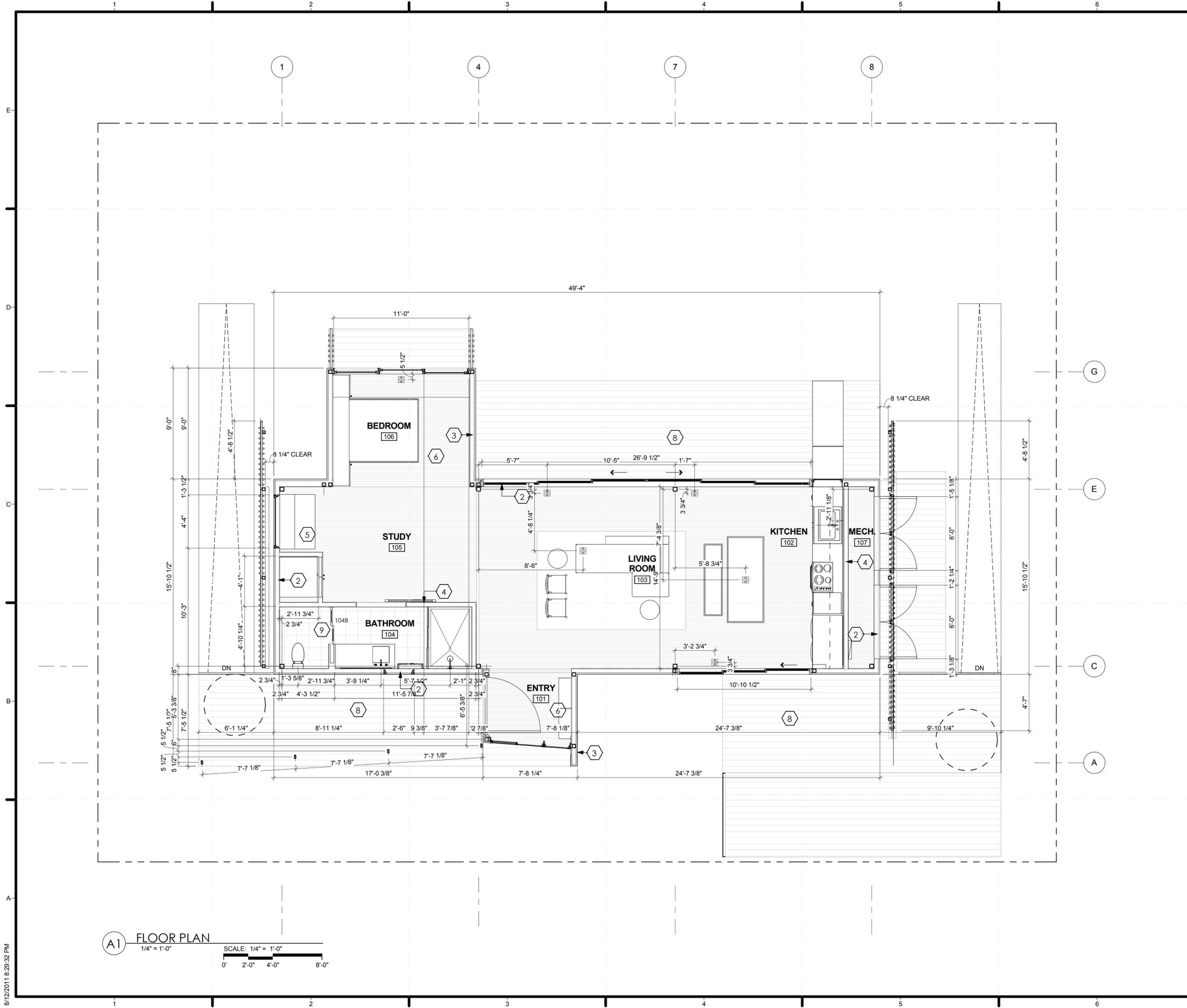
TO THE BEST OF THE ENGINEER-OF-RECORD'S KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE DOCUMENTS COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.

NOTE:

DO NOT SCALE OFF OF THESE DRAWINGS. LAYOUT THE BUILDING USING ALL APPLICABLE CONTRACT DRAWINGS, BUILDING DIMENSIONS AND THE LOCATION OF ALL STRUCTURAL ELEMENTS INCLUDING BUT NOT LIMITED TO SLAB EDGES, WALLS, COLUMNS, OPENINGS AND DEPRESSIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS PRIOR TO LAYOUT OF THE BUILDING. RESOLVE ANY DISCREPANCIES.







**GENERAL SHEET NOTES**

1. SEE INTERIOR DESIGN SHEET I-103 FOR REFLECTED CEILING PLAN

**REFERENCE KEYNOTES**

- 1 GALVANIZED TUBE STEEL FRAMING. SEE STRUCTURAL DRAWINGS FOR SIZES. SEE DETAILS FOR WELDED AND BOLTED CONNECTION SPECIFICATIONS.
- 2 WALL SYSTEM - 1/2" CORRUGATED METAL SIDING ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" PLYWOOD SHEATHING ON 2X4 (OR 2X6) FRAMING @ 16" O.C.. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDED PROCEDURES.
- 3 WALL SYSTEM @ FLEX MODULES - 1" X 6" (NOMINAL) CYPRESS SHIP LAP PROFILE HORIZONTAL SIDING ATTACHED W/STAINLESS STEEL NAILS ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" OSB ON 2X4 (NOMINAL) WOOD STUD FRAMING AT 16" O.C.. PROVIDE CONTINUOUS TOP AND BOTTOM PLATES. DOUBLE TOP PLATE AT PARAPET. PROVIDE PROFILES AS SHOWN.
- 4 WALL SYSTEM @ INTERIOR WALLS 1/2" INTERIOR GRADE GYPSUM BOARD SHEATHING ON 2X4 (NOMINAL) WOOD STUD FRAMING AT 16" O.C.. TAPE, SPACKLE, AND PRIME SURFACE FOR FINISH.
- 5 FLOOR SYSTEM - 3/4" X 6" T&G CYPRESS FLOORING (BLIND NAILED) ON 3/4" T&G SHEATHING ON CONSTRUCTION ADHESIVE ON 2X6 FLOOR JOISTS @ 16" O.C.. PROVIDE ANCHORS, BLOCKING, AND SUPPORTS FOR A COMPLETE INSTALLATION. SEE STRUCTURAL DRAWINGS FOR FASTENING INSTRUCTIONS.
- 6 FLOOR SYSTEM - 3/4" X 6" T&G CYPRESS FLOORING (BLIND NAILED) ON 3/4" T&G SHEATHING ON CONSTRUCTION ADHESIVE ON 2X4 FLOOR JOISTS @ 16" O.C.. PROVIDE ANCHORS, BLOCKING, AND SUPPORTS FOR A COMPLETE INSTALLATION. SEE STRUCTURAL DRAWINGS FOR FASTENING INSTRUCTIONS.
- 7 NOT USED
- 8 WOOD DECK - 5/4 X 6" (NOMINAL) CYPRESS DECK BOARDS WITH CLEAR PRESERVATIVE APPLIED TO ALL SIDES AND END GRAIN, ON 2X6 PRESSURE TREATED WOOD FRAMING @ 12" O.C.. ATTACH DECK WITH STAINLESS STEEL FASTENERS. SEE DETAILS FOR SUPPORT AND ATTACHMENT METHODS.
- 9 BATHROOM FLOOR SYSTEM - 8" TILE THIN SET ON 1/2" DURECK CEMENTITIOUS BACKER BOARD ON 3/4" T&G SHEATHING ON CONSTRUCTION ADHESIVE ON 2X6 FLOOR JOISTS @ 16" O.C.. PROVIDE ANCHORS, BLOCKING, AND SUPPORTS FOR A COMPLETE INSTALLATION. SEE STRUCTURAL DRAWINGS FOR FASTENING INSTRUCTIONS.
- 10 5/4 X 6" (NOMINAL) CYPRESS LOUVERS W/ 3"X3" GALVANIZED TUBE STEEL FRAME. COAT WOOD ON ALL SIDES AND END GRAIN WITH THOMPSON'S WATERSEAL OR SIMILAR PRODUCT. SEE DETAILS FOR INSTALLATION METHOD.



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DATE OF ISSUE:	03/22/11
SHEET TITLE	FLOOR PLAN

**A-111**

**A1 FLOOR PLAN**  
 1/4" = 1'-0"  
 SCALE: 1/4" = 1'-0"  
 0' 2'-0" 4'-0" 8'-0"





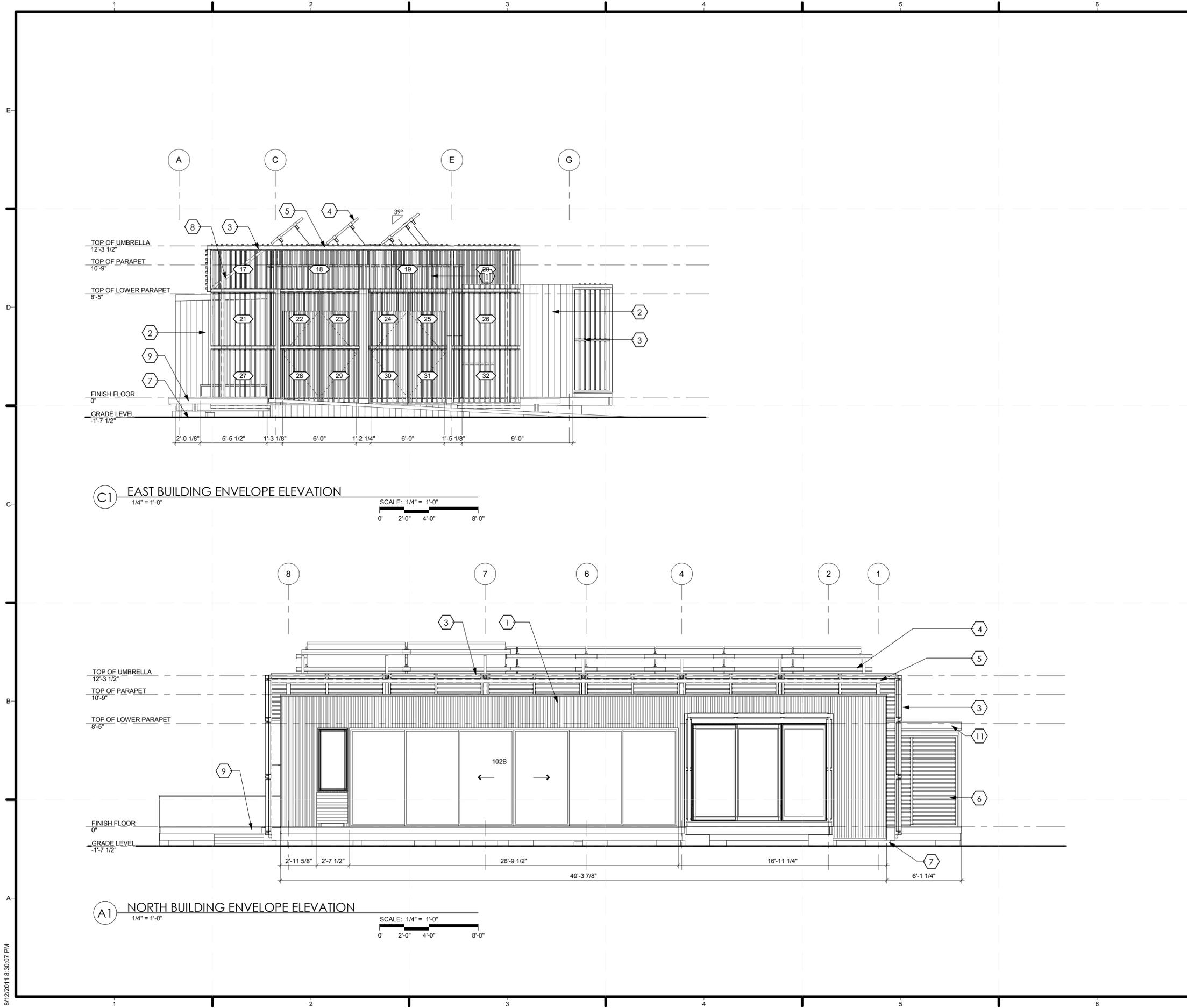




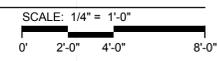




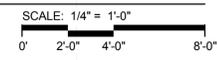




**C1 EAST BUILDING ENVELOPE ELEVATION**  
1/4" = 1'-0"



**A1 NORTH BUILDING ENVELOPE ELEVATION**  
1/4" = 1'-0"



**GENERAL SHEET NOTES**

**REFERENCE KEYNOTES**

- 1 WALL SYSTEM - 1/2" CORRUGATED METAL SIDING ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" PLYWOOD SHEATHING ON 2X4 (OR 2X6) FRAMING @ 16" O.C. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDED PROCEDURES.
- 2 WALL SYSTEM @ FLEX MODULES - 1" X 6" (NOMINAL) CYPRESS SHIP LAP PROFILE HORIZONTAL SIDING ATTACHED W/ STAINLESS STEEL NAILS ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" OSB ON 2X4 (NOMINAL) WOOD STUD FRAMING AT 16" O.C.. PROVIDE CONTINUOUS TOP AND BOTTOM PLATES. DOUBLE TOP PLATE AT PARAPET. PROVIDE PROFILES AS SHOWN.
- 3 5/4 X 6" (NOMINAL) CYPRESS LOUVERS W/ 3" X 3" GALVANIZED TUBE STEEL FRAME. COAT WOOD ON ALL SIDES AND END GRAIN WITH THOMPSON'S WATERSEAL OR SIMILAR PRODUCT. SEE DETAILS FOR INSTALLATION METHOD.
- 4 PHOTOVOLTAIC AND SOLAR THERMAL PANELS PITCHED @ 20%. PHOTOVOLTAIC ARRAY WITH ADJUSTABLE TILT HARDWARE. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 5 GALVANIZED TUBE STEEL "UMBRELLA" STRUCTURE. SEE STRUCTURAL DRAWINGS.
- 6 CABLE RAIL
- 7 FOUNDATION PADS
- 8 2" TUBE STEEL STRUT
- 9 WOOD DECK - 5/4X 6" (NOMINAL) CYPRESS DECK BOARDS WITH CLEAR PRESERVATIVE APPLIED TO ALL SIDES AND END GRAIN, ON 2X6 PRESSURE TREATED WOOD FRAMING @ 12" O.C. ATTACH DECK WITH STAINLESS STEEL FASTENERS. SEE DETAILS FOR SUPPORT AND ATTACHMENT METHODS.
- 10 PLANTER AND WATER STORAGE
- 11 ROOF SYSTEM - .60 MIL (1.1 MM) FIRESTONE ULTRAPLYM TPO, (THERMOPLASTIC POLYOLEFIN) ROOFING MEMBRANE ON 4 1/2" OSB (S.I.P.) POLYURETHANE STRUCTURAL INSULATED PANELS. MECHANICALLY FASTEN ROOF MEMBRANE. FLASHINGS, DRIP EDGES AND ACCESSORIES AS DETAILED AND SPECIFICATIONS FOR A COMPLETE INSTALLATION.

**SHEET KEYNOTES**



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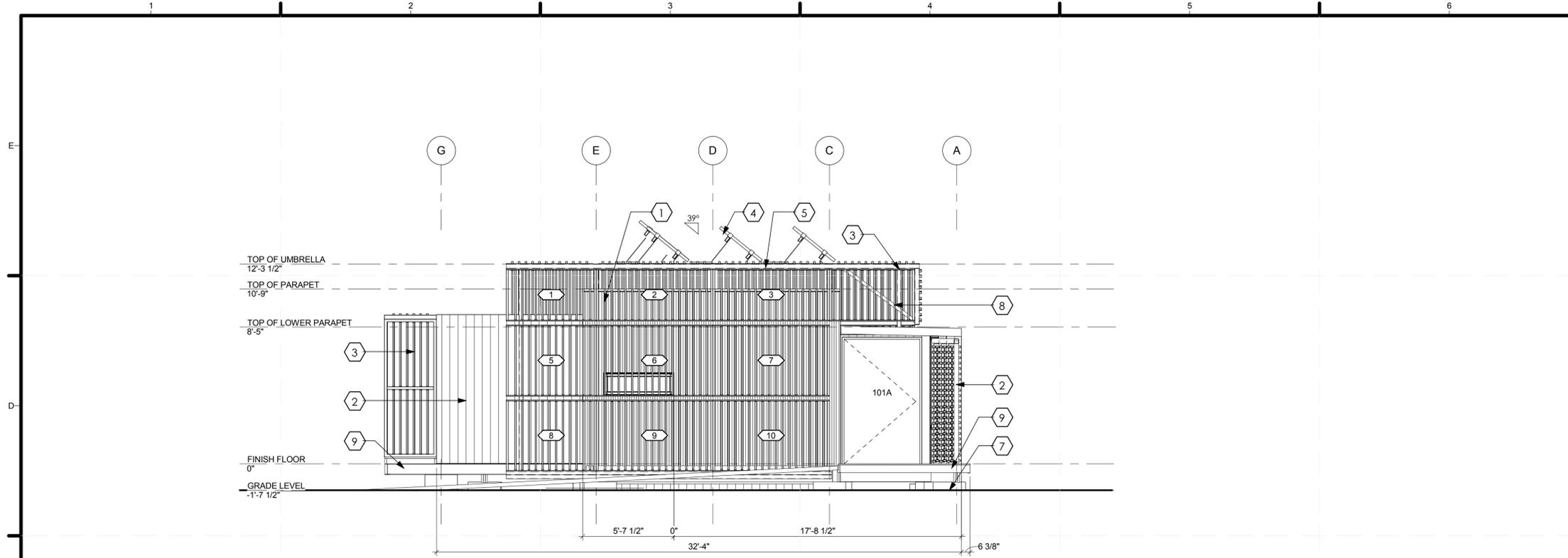
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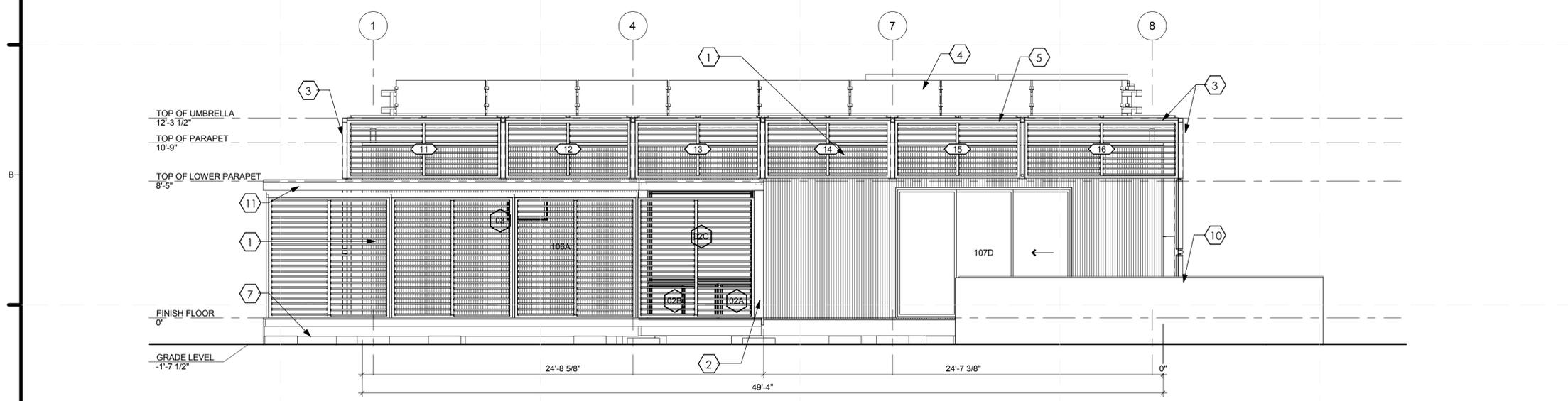
SHEET TITLE

**BUILDING ENVELOPE ELEVATIONS**

**A-203**



2 WEST BUILDING ENVELOPE ELEVATION  
1/4" = 1'-0"



1 SOUTH BUILDING ENVELOPE ELEVATION  
1/4" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 1 WALL SYSTEM - 1/2" CORRUGATED METAL SIDING ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" PLYWOOD SHEATHING ON 2X4 (OR 2X6) FRAMING @ 16" O.C. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDED PROCEDURES.
- 2 WALL SYSTEM @ FLEX MODULES - 1" X 6" [NOMINAL] CYPRESS SHIP LAP PROFILE HORIZONTAL SIDING ATTACHED W/ STAINLESS STEEL NAILS ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" OSB ON 2X4 (NOMINAL) WOOD STUD FRAMING AT 16" O.C.. PROVIDE CONTINUOUS TOP AND BOTTOM PLATES. DOUBLE TOP PLATE AT PARAPET. PROVIDE PROFILES AS SHOWN.
- 3 5/4 X 6" [NOMINAL] CYPRESS LOUVERS W/ 3" X 3" GALVANIZED TUBE STEEL FRAME. COAT WOOD ON ALL SIDES AND END GRAIN WITH THOMPSON'S WATERSEAL OR SIMILAR PRODUCT. SEE DETAILS FOR INSTALLATION METHOD.
- 4 PHOTOVOLTAIC AND SOLAR THERMAL PANELS PITCHED @ 20%. PHOTOVOLTAIC ARRAY WITH ADJUSTABLE TILT HARDWARE. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 5 GALVANIZED TUBE STEEL "UMBRELLA" STRUCTURE. SEE STRUCTURAL DRAWINGS.
- 6 CABLE RAIL
- 7 FOUNDATION PADS
- 8 2" TUBE STEEL STRUT
- 9 WOOD DECK - 5/4 X 6" [NOMINAL] CYPRESS DECK BOARDS WITH CLEAR PRESERVATIVE APPLIED TO ALL SIDES AND END GRAIN, ON 2X6 PRESSURE TREATED WOOD FRAMING @ 12" O.C. ATTACH DECK WITH STAINLESS STEEL FASTENERS. SEE DETAILS FOR SUPPORT AND ATTACHMENT METHODS.
- 10 PLANTER AND WATER STORAGE
- 11 ROOF SYSTEM - .60 MIL (1.1 MM) FIRESTONE ULTRAPLYM IFO, [THERMOPLASTICPOLYOLEFIN] ROOFING MEMBRANE ON 4 1/2" OSB (S.I.P.) POLYURETHANE STRUCTURAL INSULATED PANELS. MECHANICALLY FASTEN ROOF MEMBRANE. FLASHINGS, DRIP EDGES AND ACCESSORIES AS DETAILED AND SPECIFICATIONS FOR A COMPLETE INSTALLATION.

SHEET KEYNOTES



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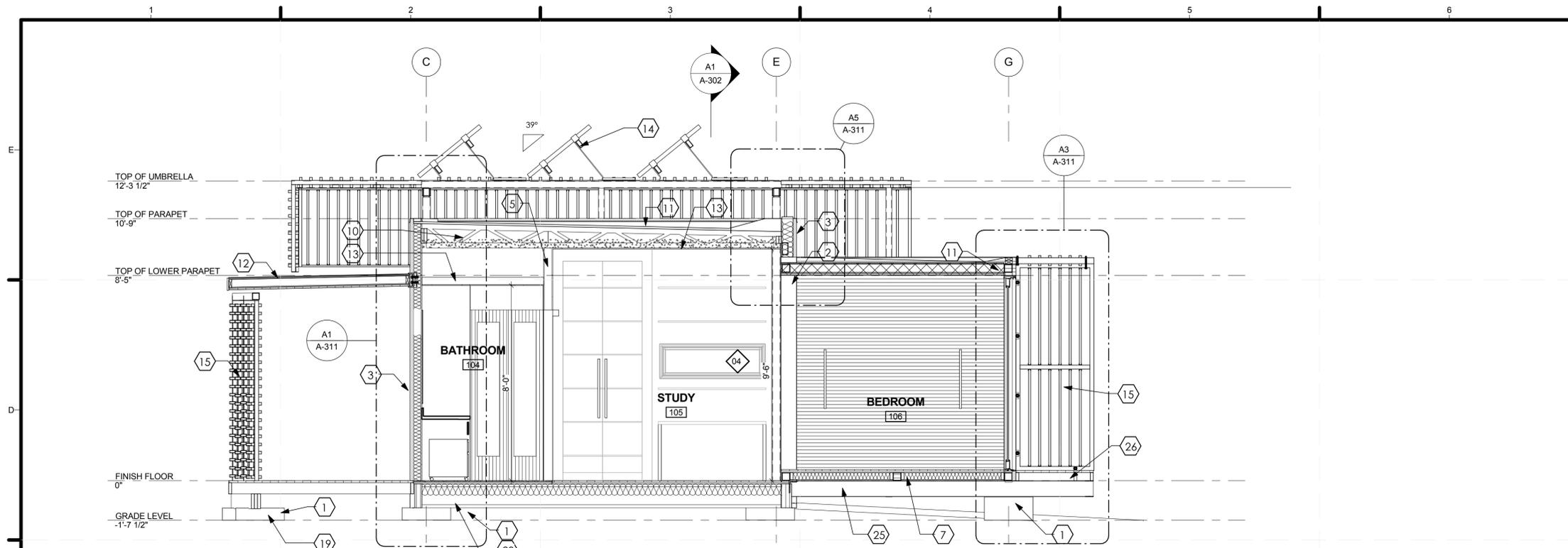
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SHEET TITLE

BUILDING ENVELOPE ELEVATIONS

A-204



**REFERENCE KEYNOTES**

- 1 HARDWOOD TIMBER FOOTER W/ 4- 3/4" GALVANIZED STEEL GRADE STAKES DRIVEN TO A MAXIMUM DEPTH OF 8". SHIM STRUCTURE LEVEL WITH LVL SLABS AND 1/4" STEEL PLATE SHIMS.
- 2 GALVANIZED TUBE STEEL FRAMING. SEE STRUCTURAL DRAWINGS FOR SIZES. SEE DETAILS FOR WELDED AND BOLTED CONNECTION SPECIFICATIONS.
- 3 WALL SYSTEM - 1/2" CORRUGATED METAL SIDING ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" PLYWOOD SHEATHING ON 2X4 [OR 2X6] FRAMING @ 16" O.C. W/ R-11 THERMAL BATT INSULATION W/ VAPOR RETARDER. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDED PROCEDURES.
- 4 WALL SYSTEM @ FLEX MODULES - 1" X 6" [NOMINAL] CYPRESS SHIP LAP PROFILE HORIZONTAL SIDING ATTACHED W/ STAINLESS STEEL NAILS. ON 3/4" FURRING STRIPS ON BUILDING PAPER ON 1/2" OSB ON 2X4 [NOMINAL] WOOD STUD FRAMING AT 16" O.C. W/ R-11 THERMAL BATT INSULATION W/ VAPOR RETARDER. PROVIDE CONTINUOUS TOP AND BOTTOM PLATES. DOUBLE TOP PLATE AT PARAPET. PROVIDE PROFILES AS SHOWN.
- 5 WALL SYSTEM @ INTERIOR WALLS 1/2" INTERIOR GRADE GYPSUM BOARD SHEATHING ON 2X4 [NOMINAL] WOOD STUD FRAMING AT 16" O.C., TAPE, SPACKLE, AND PRIME SURFACE FOR FINISH.
- 6 FLOOR SYSTEM - 3/4" X 6" T&G CYPRESS FLOORING [BLIND NAILED] ON 3/4" T&G SHEATHING ON CONSTRUCTION ADHESIVE ON 11 7/8" TJI 230 SERIES JOISTS W/ R-13 THERMAL BATT INSULATION W/ VAPOR RETARDER. PROVIDE ANCHORS, BLOCKING, AND SUPPORTS FOR A COMPLETE INSTALLATION. SEE STRUCTURAL DRAWINGS FOR FASTENING INSTRUCTIONS.
- 7 FLOOR SYSTEM - 3/4" X 6" T&G CYPRESS FLOORING [BLIND NAILED] ON 3/4" T&G SHEATHING ON CONSTRUCTION ADHESIVE ON 2X4 FLOOR JOISTS @ 16" O.C. W/ R-13 THERMAL BATT INSULATION W/ VAPOR RETARDER. PROVIDE ANCHORS, BLOCKING, AND SUPPORTS FOR A COMPLETE INSTALLATION. SEE STRUCTURAL DRAWINGS FOR FASTENING INSTRUCTIONS.
- 8 FLOOR SYSTEM - 3/4" X 6" T&G CYPRESS FLOORING [BLIND NAILED] ON 3/4" T&G SHEATHING ON CONSTRUCTION ADHESIVE ON 4-1/2" OSB [S.I.P.] POLYURETHANE STRUCTURAL INSULATED PANELS.
- 9 WOOD DECK - 5/4X 6" [NOMINAL] CYPRESS DECK BOARDS WITH CLEAR PRESERVATIVE APPLIED TO ALL SIDES AND END GRAIN. ON 2X6 PRESSURE TREATED WOOD FRAMING @ 12" O.C. ATTACH DECK WITH STAINLESS STEEL FASTENERS. SEE DETAILS FOR SUPPORT AND ATTACHMENT METHODS.
- 10 PRE-ENGINEERED, PRE-FABRICATED, WOOD ROOF TRUSS SYSTEM. CENTER TRUSSES AT 24" ON CENTER W/ R-22 THERMAL BATT INSULATION. PROFILES SHOWN ARE FOR REFERENCE TO DESIGN INTENT ONLY. REFER TO MANUFACTURER'S SHOP DRAWINGS AND SPECIFICATIONS. PROVIDE "SIMPSON" S TYPE WIND CLIPS AT BEARING POINTS.
- 11 ROOF SYSTEM - 60 MIL (1.1 MM) FIRESTONE ULTRAPLYM TPO [THERMOPLASTIC POLYOLEFIN] ROOFING MEMBRANE ON 5/8" OSB PROVIDE ALUMINUM SPACER CLIPS AS REQUIRED. FASTEN ROOF MEMBRANE. FLASHINGS, DRIP EDGES AND ACCESSORIES AS DETAILED AND SPECIFICATIONS FOR A COMPLETE INSTALLATION.
- 12 ROOF SYSTEM - 60 MIL (1.1 MM) FIRESTONE ULTRAPLYM TPO [THERMOPLASTIC POLYOLEFIN] ROOFING MEMBRANE ON 2X4 FRAMING. FLASHINGS, DRIP EDGES AND ACCESSORIES AS DETAILED AND SPECIFICATIONS FOR A COMPLETE INSTALLATION.
- 13 CEILING - 1/2" INTERIOR GRADE TYPE 'X' FIRECODE GYPSUM BOARD SHEATHING. TAPE, SPACKLE, AND PRIME SURFACE FOR FINISH.
- 14 PHOTOVOLTAIC ARRAY WITH ADJUSTABLE TILT HARDWARE. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 15 5/4 X 6" [NOMINAL] CYPRESS LOUVERS W/ 3" X 3" GALVANIZED TUBE STEEL FRAME. COAT WOOD ON ALL SIDES AND END GRAIN WITH THOMPSON'S WATERSEAL OR SIMILAR PRODUCT. SEE DETAILS FOR INSTALLATION METHOD.
- 16 NOT USED
- 17 2" X 2" TUBE STEEL STRUT
- 18 NOT USED
- 19 [2] 2" X 12" SOUTHERN PINE DECK GIRDER
- 20 NOT USED
- 21 LOUVERS
- 22 WINDOWS - EAGLE WINDOWS & DOOR IMPACT RESISTANT ALUMINUM CLAD WOOD AWNING WINDOW
- 23 DOORS - WINDOOR SERIES 8000 WIDE STILE ALUMINUM IMPACT RESISTANT SLIDING GLASS DOORS
- 24 DOORS - HOLLOW METAL SWINGING DOUBLE DOORS
- 25 W8X10 STEEL SUPPORT TO BE ATTACHED TO PARALAM WHEN MODULES ARE TO BE DEPLOYED
- 26 3 1/2" X 3 1/2" TUBE STEEL DECK FRAME TO BE INSERTED INTO ENDS OF 4" X 4" TUBE STEEL AND BOLTED. 2X4 FRAME @ 12" O.C. TO SUPPORT DECKING. SEE STRUCTURAL



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**BUILDING SECTIONS**

**A-301**

**C1 TRANSVERSE SECTION @ BEDROOM**  
 3/8" = 1'-0"  
 SCALE: 3/8" = 1'-0"  
 0' 2'-0" 4'-0" 8'-0"

**A1 TRANSVERSE SECTION @ ENTRY**  
 3/8" = 1'-0"  
 SCALE: 3/8" = 1'-0"  
 0' 2'-0" 4'-0" 8'-0"

























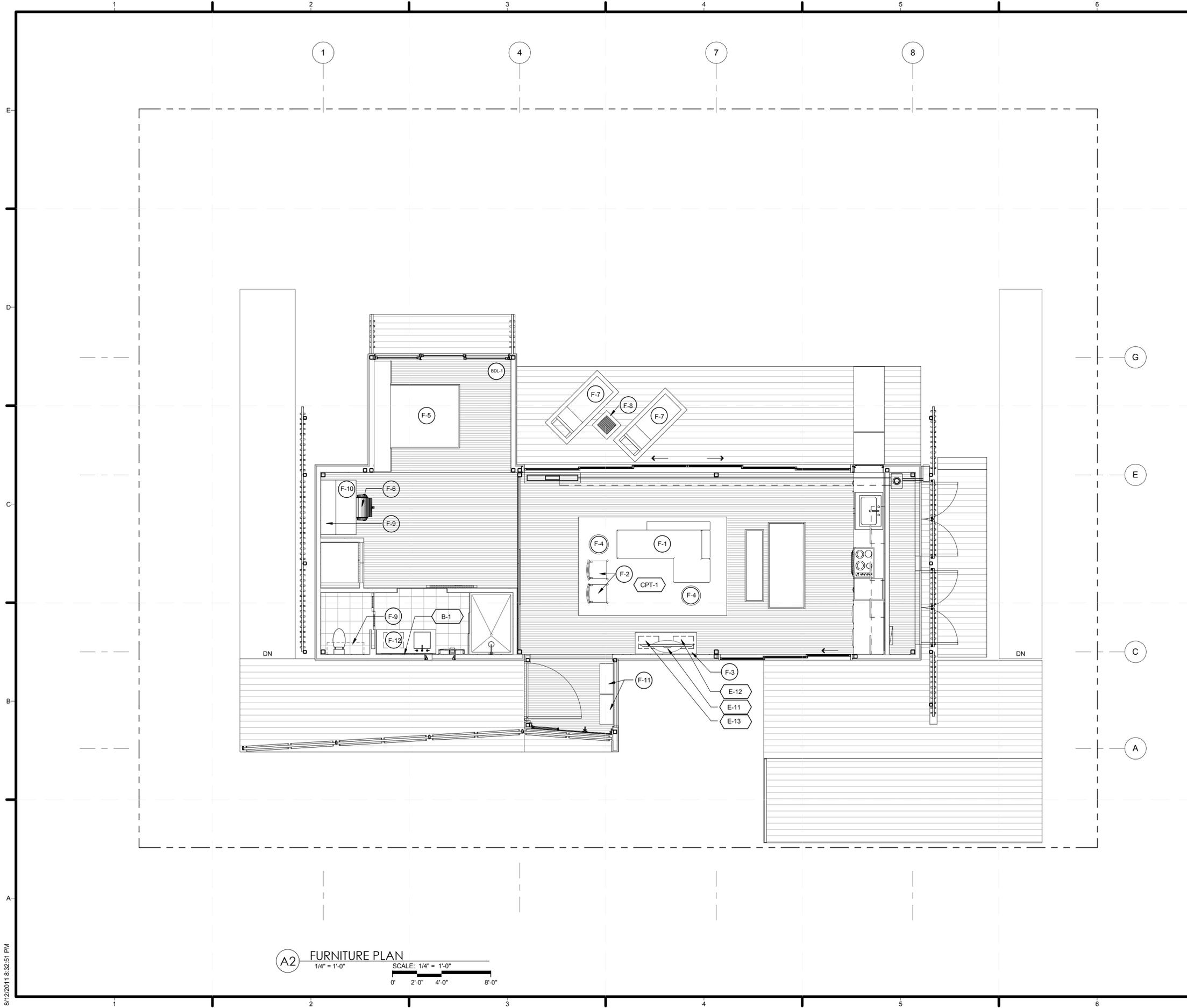












A2 FURNITURE PLAN  
 1/4" = 1'-0"  
 SCALE: 1/4" = 1'-0"  
 0' 2'-0" 4'-0" 8'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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SHEET TITLE  
 INTERIOR FURNISHING PLAN

I-102

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