

**THE SOLAR HOME
STEAD
CONSTRUCTION DOCUMENTS**



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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THE SOLAR HOMESTEAD

STUDENT ADVISORS

U.S. DEPARTMENT OF ENERGY (DOE)
THE NATIONAL RENEWABLE ENERGY LABORATORY (NREL)
FACULTY ADVISORS | DR. JAMES RUSSELL
CHAD EVERHART, AIA
DAVID JASON MILLER

TEAM OFFICERS

PRIMARY STUDENT CONTACT | DAVE LEE
PROJECT MANAGER | TRAVIS MCKENZIE
PUBLIC RELATIONS CONTACT | DAVE LEE
CONSTRUCTION MANAGER | KENRIC HARTMAN
ARCHITECTURE PROJECT MANAGER | KATHARINE LEA
PROJECT ENGINEER | JOE SIZEMORE
MEASURED CONTEST CAPTAIN | KATHARINE LEA
HEALTH + SAFETY OFFICER | AUSTIN WESTMORELAND
FIRE WATCH CAPTAIN | AUSTIN WESTMORELAND
INSTRUMENTATION CONTACT | DAVE LEE
ELECTRICAL ENGINEER | HEATHER KINSEY
SPONSORSHIP MANAGER | STEVE SCARIA

STUDENT LEADERS

DESIGN BUILD MANAGER | JOHN ARNAUD
DESIGN DIRECTOR | CHELSEA ROYAL
PROJECT INTERIOR DESIGNER | JOSE LUIS MARINO-SALDANA
SITE OPERATIONS MANAGER | TREVOR HOGAN
ASSISANT CONSTRUCTION MANAGER | JOE ARMSTRONG
ASSISTANT TO DESIGN DIRECTOR | JACKIE STEWART

GENERAL NOTES

- NONE OF THE DOCUMENTS INCLUDED IN THE SET INDEX ARE INTENDED TO BE CONSIDERED IN ISOLATION OF ONE ANOTHER. ALL PARTIES' ENTITIES USING THESE DOCUMENTS FOR BIDDING, QUANTITY SURVEY, AND/OR CONSTRUCTION SHALL CONSULT THE GENERAL NOTES AND INFORMATION LOCATED ON THIS SHEET AND ALL "G" SERIES SHEETS' (GENERAL INFORMATION AND DATA) FOR INFORMATION AND CONDITIONS GOVERNING WORK DESCRIBED IN DOCUMENTS BEFORE PROCEEDING WITH PROCUREMENTS AND/OR CONSTRUCTION. ALL BIDDERS, SUB-BIDDERS, CONTRACTORS AND SUB-CONTRACTORS SHALL UTILIZE COMPLETE SETS OF THE BIDDING AND/OR CONSTRUCTION DOCUMENTS IN QUANTIFYING AND CONSTRUCTION. NEITHER THE OWNER NOR ARCHITECT ASSUMES RESPONSIBILITIES FOR ERRORS, OMISSIONS OR MISINTERPRETATIONS RESULTING FROM THE USE OF INCOMPLETE SETS OF BIDDING AND/OR CONSTRUCTION DOCUMENTS.
- ALL CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL CONFORM TO THE 2011 SOLAR DECATHLON BUILDING CODE AND SHALL CONFORM WITH ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL REGULATIONS HAVING JURISDICTION INCLUDING ACCESSIBILITY STANDARDS.
- DO NOT SCALE THE DRAWINGS. USE ONLY DIMENSIONS AS CALLED OUT. WHEN NO DIMENSION IS PROVIDED, CONSULT ARCHITECT BEFORE COMMENCING WORK.
- ANY OMISSIONS OR CONFLICTS WITHIN THE DRAWINGS, NOTES OR DETAILS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- STRUCTURAL GRID LINES ARE PARALLEL IN N-S AND E-W DIRECTIONS.
- UNLESS NOTED OTHERWISE PLAN CUT LINE IS TAKEN AT 4'-0" ABOVE FINISHED FLOOR.
- ALL ABBREVIATIONS USED ARE REFERENCED FROM THE CONSTRUCTION SPECIFICATION INSTITUTE'S UNIFORM DRAWING SYSTEM TERMS AND ABBREVIATIONS MODULE PUBLISHED IN THE U.S. NATIONAL CAD STANDARD VERSION 4.
- SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL SHEETS AND NOTES SHALL BE REVIEWED IN THEIR ENTIRETY.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER REPEATED OR NOT. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN.
- THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT AND SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY OF APPLIANCES, METHODS AND FOR DAMAGE WHICH MAY RESULT FROM THEIR IMPROPER REMOVAL, CONSTRUCTION, MAINTENANCE OR OPERATION.

SYMBOL LEGEND

	ROOM NAME	AREA TAG
	CALL OUT TAG	
	CENTERLINE	
	DOOR TAG	
	STRUCTURAL GRID TAG	
	REFERENCE KEYNOTE TAG	
	ELEVATION MARKER	
	NORTH ARROW	
	REVISION TAG	
	ROOM TAG	
	SECTION TAG	
	INTERIOR ELEVATION TAG	
	EXTERIOR ELEVATION TAG	
	SPOT ELEVATION	
	WALL TAG	
	WINDOW TAG	
	SHEET KEYNOTE TAG	
	GRAPHIC SCALE	
	MECHANICAL EQUIPMENT TAG	

ABBREVIATIONS

AC AFF BD BLDG BLKG BLK BM CFM CL CLG CONST CONT CONTAIN CTR CW DBL DC DET DIA DIM DN DO DR DS DW DWG DWV E EA EC ELEC E.P. EXT FD FDN FF FIN FLR FT GA GALV GASF GB GL GND GR GYP HC HDWR HT HVAC HW ID IN INSUL KIT KW KWH KS	ALTERNATING CURRENT ABOVE FINISH FLOOR BOARD BUILDING BLOCKING BLOCK BEAM CUBIC FEET PER MINUTE CLOSET CEILING CONSTRUCTION CONTINUOUS CONTAIN CENTER COLDWATER DOUBLE DIRECT CURRENT DETAIL DIAMETER DIMENSION DOWN DOOR OPENING DOOR DOWNSPOUT DISHWASHER DRAWING DRAIN, WASTE, AND VENT EAST EACH EVACUATED CYLINDERS ELECTICAL ELECTRICAL PANEL EXTERIOR FLOOR DRAIN FOUNDATION FINISH FLOOR FINISH FLOOR FEET OR FOOT GAUGE GALVANIZED GROSS AREA SQUARE FOOTAGE GYPSUM BOARD GLASS GROUND GRADE GYPSUM HANDICAPPED HARDWARE HEIGHT HEATING, VENTING, AIR-CONDITIONING HOT WATER INSIDE DIAMETER INCH INSULATION KITCHEN KILOWATT KILOWATT HOUR KITCHEN SINK	LBR LL LT LAV MATL MAX MECH MEP MFR N NASF NIC NO NOM NTS OC OD OM OPNG OSB PL PLWD PLUM PR PT QTY RAD RCP REINF REQD REV RM RO S SCHED SECT SHT SIM SPEC SQ SS ST STD STL SUSP SYM THSH TYP UNO VERT V.I.F. VOL W WC WD WP WT YD	LUMBER LIVE LOAD LIGHT LAVATORY MATERIAL MAXIMUM MECHANICAL MECHANICAL ELECTRICAL AND PLUMBING MANUFACTURER NORTH NET AREA SQUARE FOOTAGE NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE ONCENTER OUTSIDE DIAMETER OUTBUILDING MODULE OPENING ORIENTED STRAND BOARD PLATE PLYWOOD PLUMBING PAIR PAINT QUANTITY RADIUS REFLECTED CEILING PLAN REINFORCED REQUIRED REVERSE ROOM ROUGH OPENING SOUTH SCHEDULE SECTION SHEET SIMILAR SPECIFICATION SQUARE STAINLESS STEEL STAIN STANDARD STEEL SUSPENDED SYMMETRICAL THRESHOLD TYPICAL UNLESS NOTED OTHERWISE VERTICAL VERIFY IN FIELD VOLUME WEST WATER CLOSET WOOD WATER PROOF WEIGHT YARD
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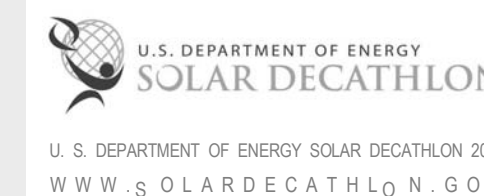


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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
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GENERAL NOTES & LIST

SHEET NUMBER:

G-011

GENERAL SHEET LIST

SHEET NO	SHEET NAME
G-011	GENERAL NOTES & LIST
G-101	EGRESS PLAN
G-102	ADA TOUR ROUTE COMPLIANCE PLAN
G-103	EVENT SIGNAGE PLAN
G-201	EVENT SIGNAGE ELEVATIONS
G-202	EVENT SIGNAGE ELEVATIONS
G-203	EVENT SIGNAGE ELEVATIONS
G-401	ENLARGED GARDEN SIGNAGE PLAN
G-501	SOUTH SITE WALL SIGNAGE DETAIL
G-502	TEAM UNIFORM & TAKEAWAY
G-601	SIGNAGE SCHEDULE
G-602	GENERAL SHADING DIAGRAMS
G-901	GENERAL PROJECT RENDERINGS

THE SOLAR HOMESTEAD

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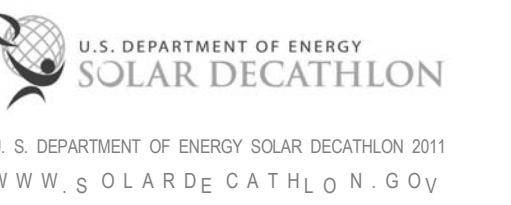


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SHEET TITLE:
EGRESS PLAN

SHEET NUMBER:

G-101

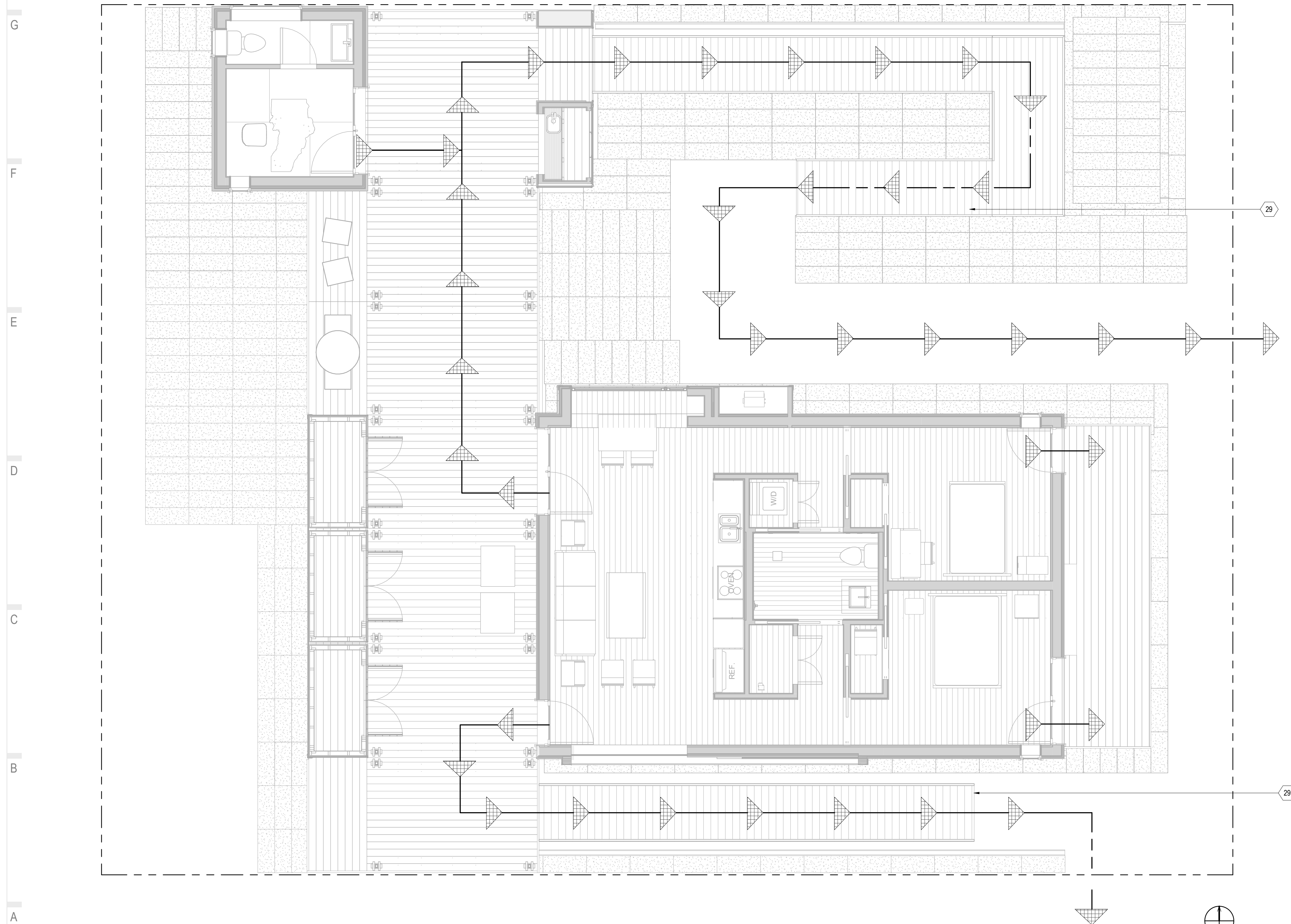
GENERAL SHEET NOTES

1. NO LEVEL CHANGES GREATER THAN 1/4" AT TRANSITIONS AND THRESHOLDS

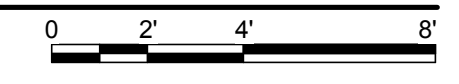
REFERENCE KEYNOTES

SHEET KEYNOTES

- 29 1:12 MAX SLOPE RAMP



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



01 02 03 04 05 06 07 08 09 10

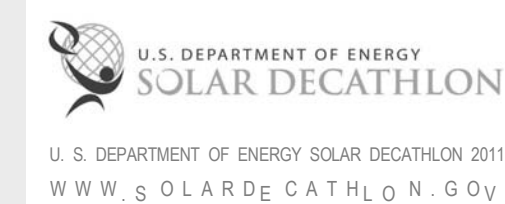


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ADA TOUR ROUTE COMPLIANCE
PLAN

SHEET NUMBER:

G-102

GENERAL SHEET NOTES

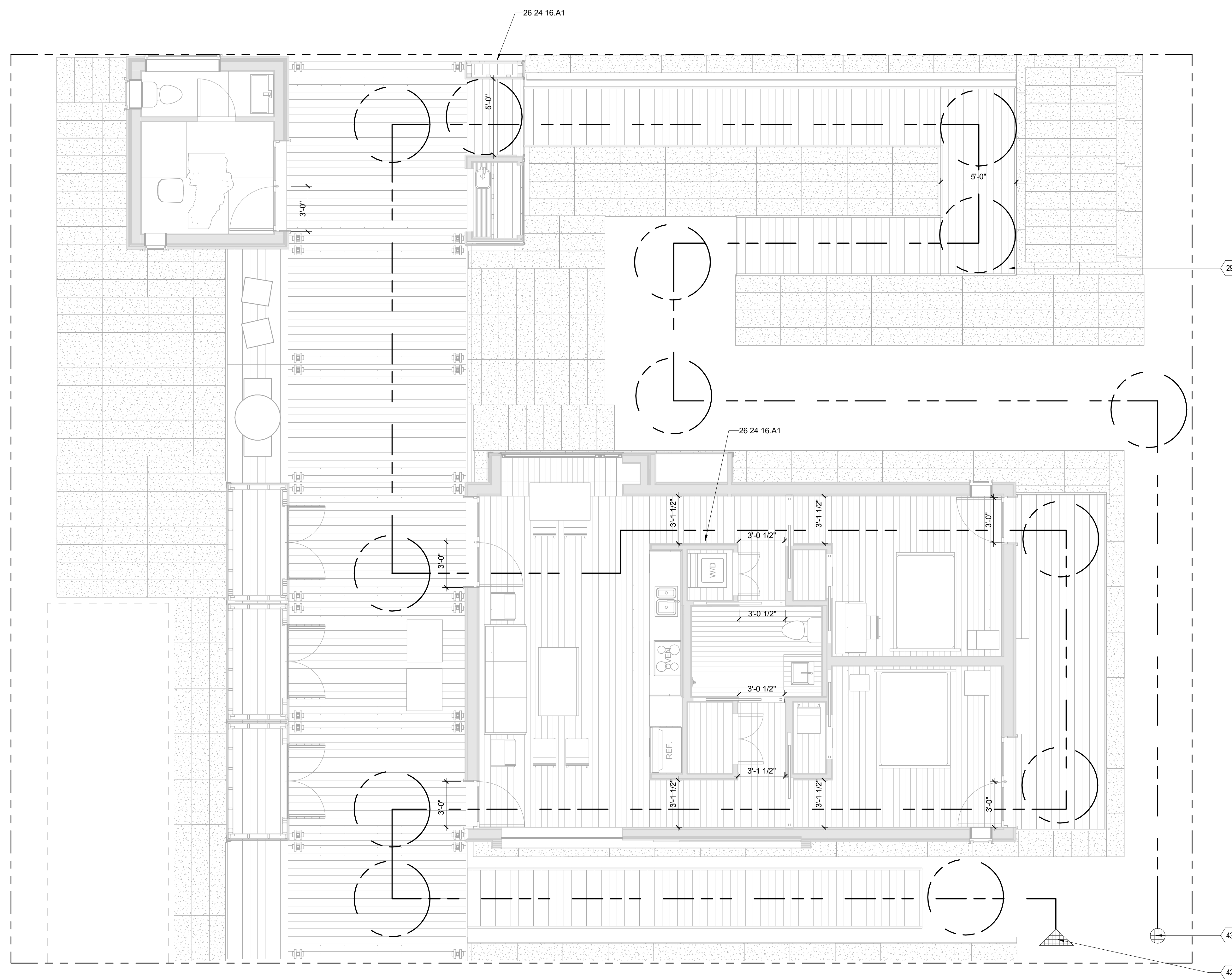
1. NO LEVEL CHANGES GREATER THAN 1/4" AT TRANSITIONS AND THRESHOLDS
2. ALL RAMP HANDRAILS TO BE 36" HIGH WITH 1 1/2" DIAMETER AND 12" EXTENSIONS AT TOP AND BOTTOM
3. ALL DOORWAYS COMPLIANT WITH ACCESSIBILITY REQUIREMENTS

REFERENCE KEYNOTES

26 24 16 A1 MAIN PANELBOARD

SHEET KEYNOTES

- | | |
|----|---------------------|
| 29 | 1:12 MAX SLOPE RAMP |
| 42 | PROJECT ENTRY |
| 43 | PROJECT EXIT |



A1 ADA TOUR ROUTE COMPLIANCE PLAN
1/4" = 1'-0"

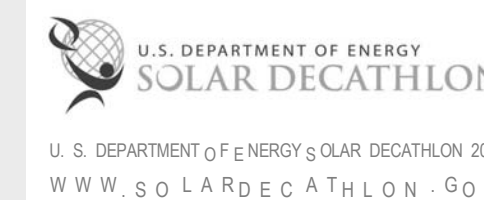


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EVENT SIGNAGE PLAN

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G-103

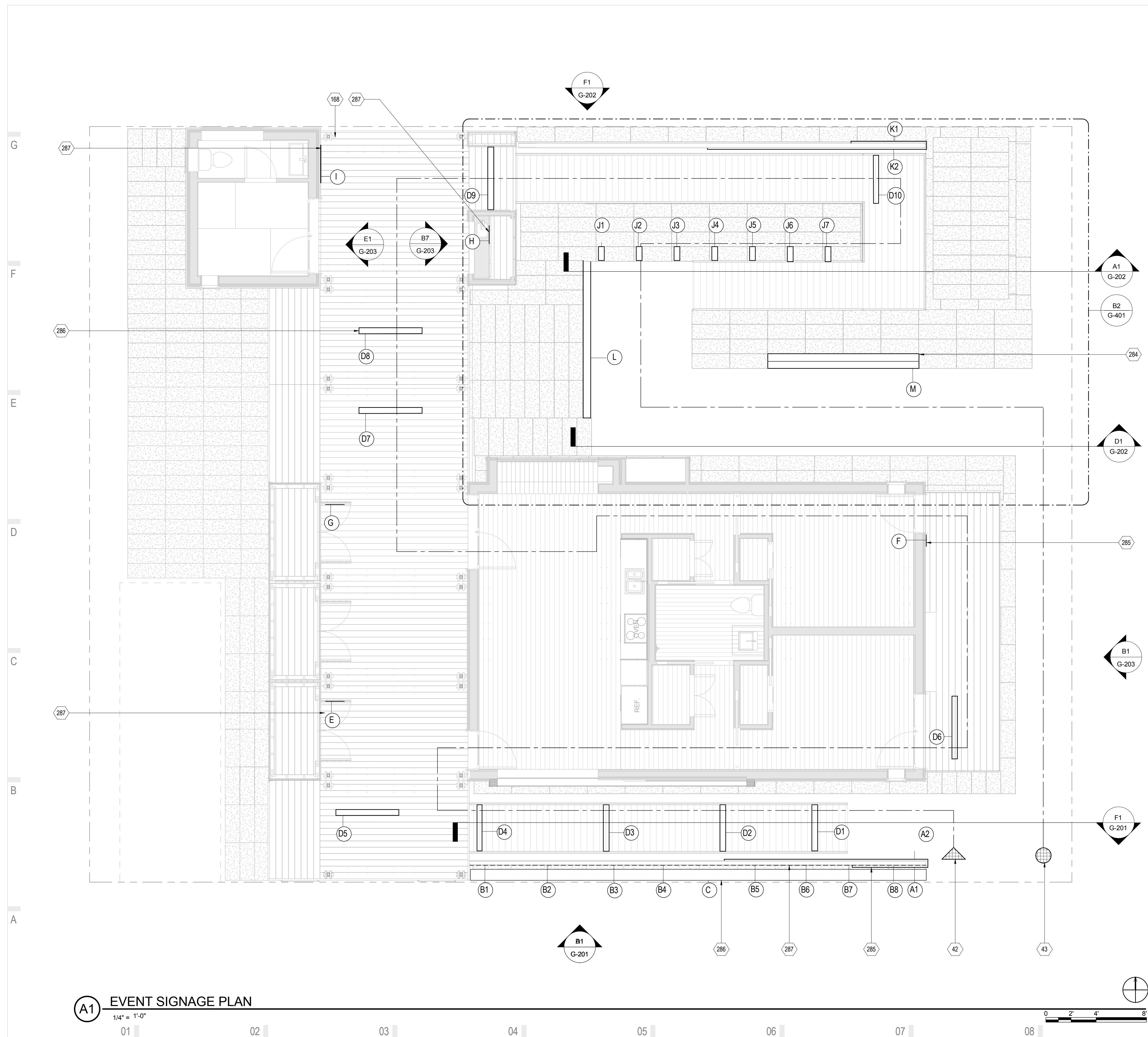
GENERAL SHEET NOTES

1. NO LEVEL CHANGES GREATER THAN 1/4" AT TRANSITIONS AND THRESHOLDS
2. ALL RAMP HANDRAILS TO BE 36" HIGH, 1 1/2" DIAMETER, WITH 12" EXTENSIONS AT TOP AND BOTTOM
3. ALL PASSAGE DOORWAYS TO BE COMPLIANT WITH ACCESSIBILITY REQUIREMENTS
4. OPTIONAL GUARDRAIL ASSEMBLY IF DECKHOUSE FF > 30" ABOVE GRADE
5. ALL SIGNAGE IS TEMPORARY FOR THE PURPOSE OF THE EVENT ONLY
6. REFER TO PAGE G-505 FOR SIGNAGE SCHEDULE

REFERENCE KEYNOTES

SHEET KEYNOTES

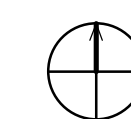
- | | |
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A1 EVENT SIGNAGE PLAN

1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10



0 2' 4' 8'

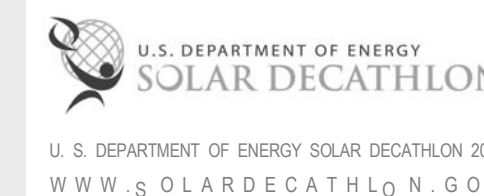


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EVENT SIGNAGE ELEVATIONS

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G-201

GENERAL SHEET NOTES

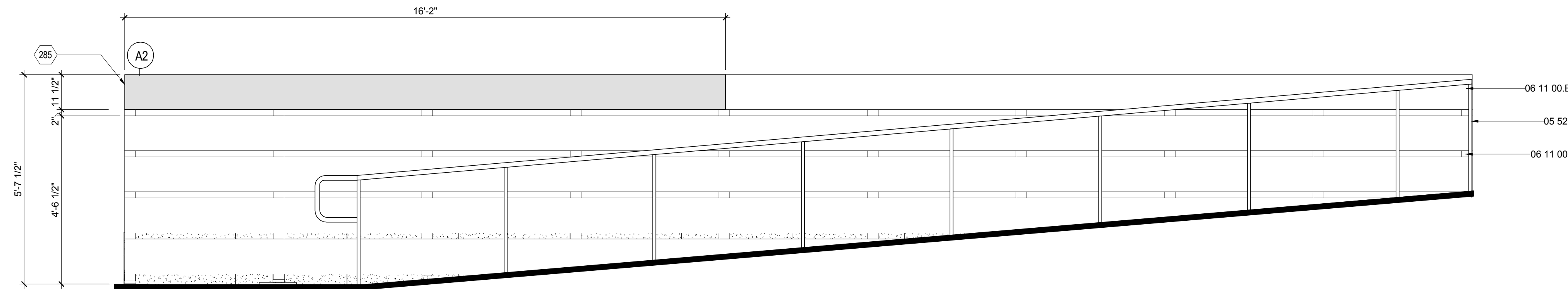
1. ALL SIGNAGE IS TEMPORARY FOR THE PURPOSE OF THE EVENT ONLY
2. REFER TO SIGNAGE SCHEDULE ON G-505

REFERENCE KEYNOTES

05 52 13	PIPE AND TUBE RAILINGS
06 11 00.B13	1X12
06 11 00.L1	4X4

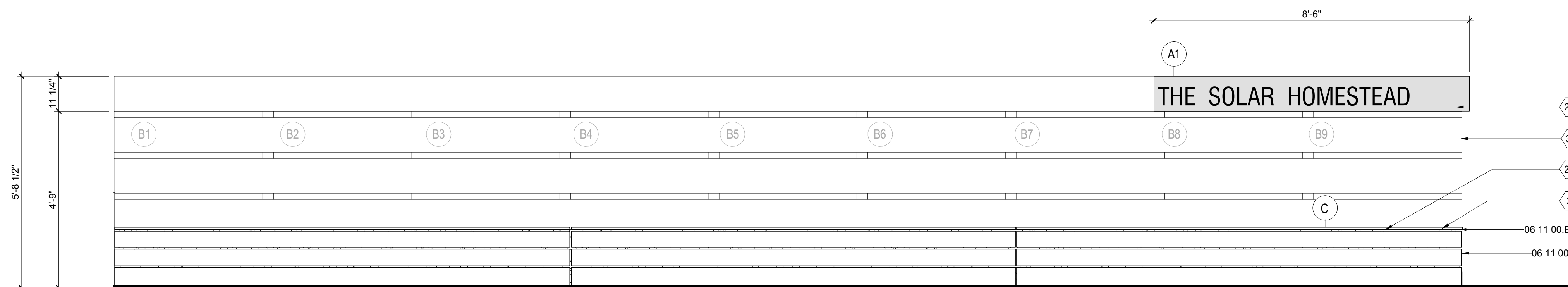
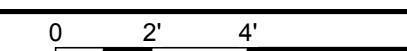
SHEET KEYNOTES

22	WOODEN BENCHES ATTACHED TO STRAW BALES
285	MAX METAL WITH PRINTED GRAPHICS
286	LASER BURNT GRAPHICS ON WOOD BOARDS
302	REMOVABLE BOARD TO EXPOSE SIGNAGE WHEN PUBLIC EXHIBIT IS NOT OPEN



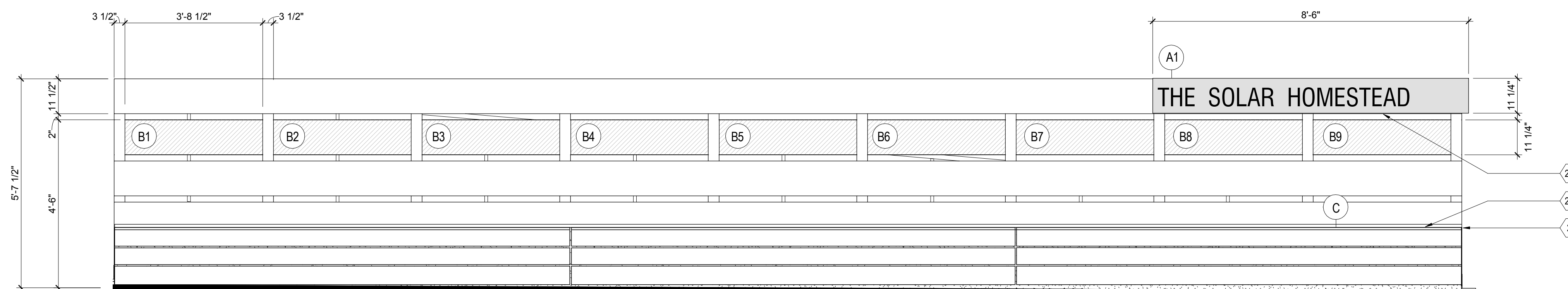
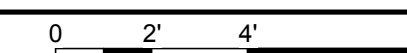
F1 SITE SIGNAGE NORTH RAMP

1/2" = 1'-0"



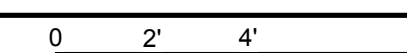
D1 SITE SIGNAGE SOUTH ELEVATION DURING PUBLIC EXHIBIT HOURS

1/2" = 1'-0"



A1 SITE SIGNAGE SOUTH ELEVATION AFTER PUBLIC EXHIBITION HOURS

1/2" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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DRAWN BY: MAS, JA
CHECKED BY: KL
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
EVENT SIGNAGE ELEVATIONS

SHEET NUMBER:

G-202

GENERAL SHEET NOTES

1. ALL SIGNAGE IS TEMPORARY FOR THE PURPOSE OF THE EVENT ONLY
2. REFER TO PAGE G-505 FOR SIGNAGE SCHEDULE

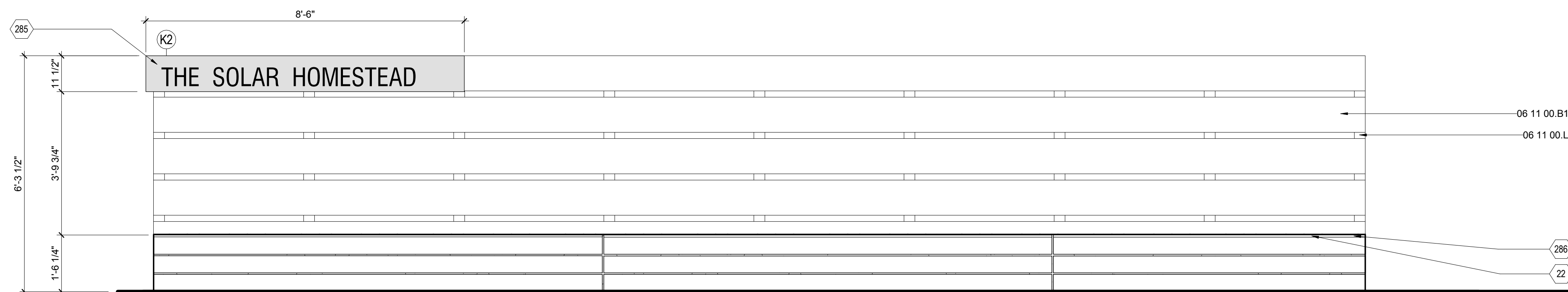
REFERENCE KEYNOTES

05 52 13	PIPE AND TUBE RAILINGS
06 11 00.B8	1X6
06 11 00.B13	1X12
06 11 00.L1	4X4
06 15 13	WOOD FLOOR DECKING

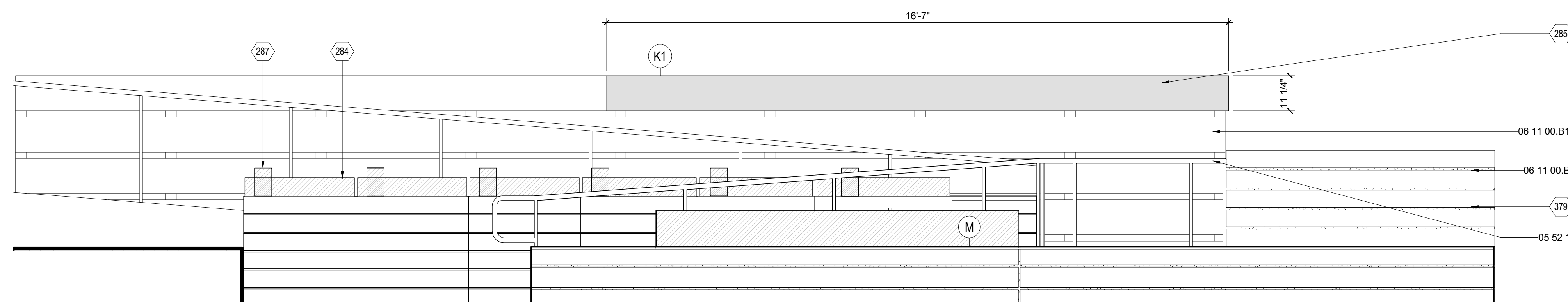
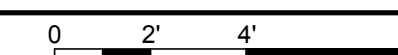
SHEET KEYNOTES

22	WOODEN BENCHES ATTACHED TO STRAW BALES
284	PLEXIGLASS DISPLAY CASE
285	MAX METAL WITH PRINTED GRAPHICS
286	LASER BURNT GRAPHICS ON WOOD BOARDS
287	PLEXIGLASS SHEET WITH PRINTED GRAPHICS
379	LOCATION OF STRAW BALE COVER SHADING TANKS FROM SOLAR RADIATION

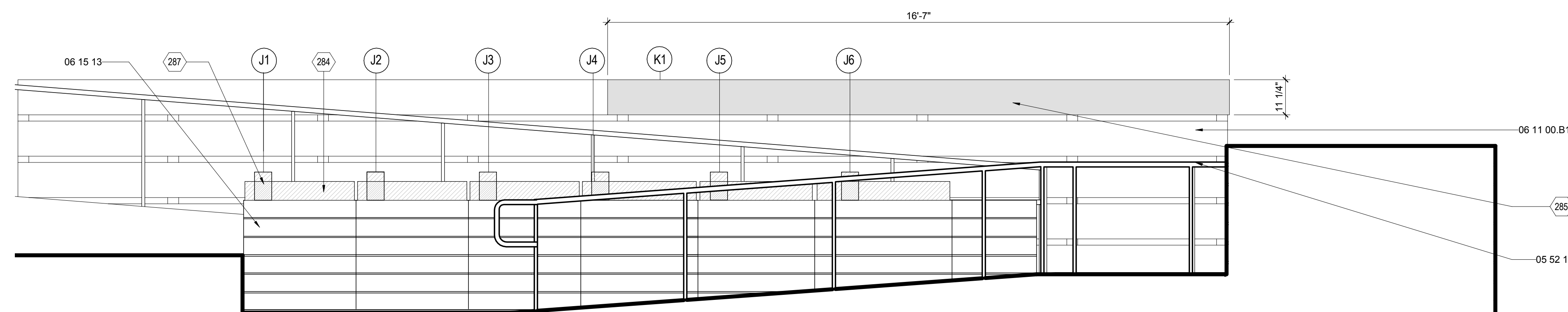
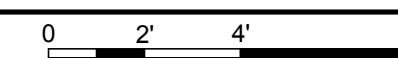
THE SOLAR HOMESTEAD



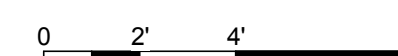
F1 SITE SIGNAGE NORTH ELEVATION
1/2" = 1'-0"



D1 EVENT SIGNAGE SITE SECTION SOUTH
1/2" = 1'-0"



A1 SIGNAGE SITE SECTION SOUTH
1/2" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

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SHEET TITLE:
EVENT SIGNAGE ELEVATIONS

SHEET NUMBER:

G-203

GENERAL SHEET NOTES

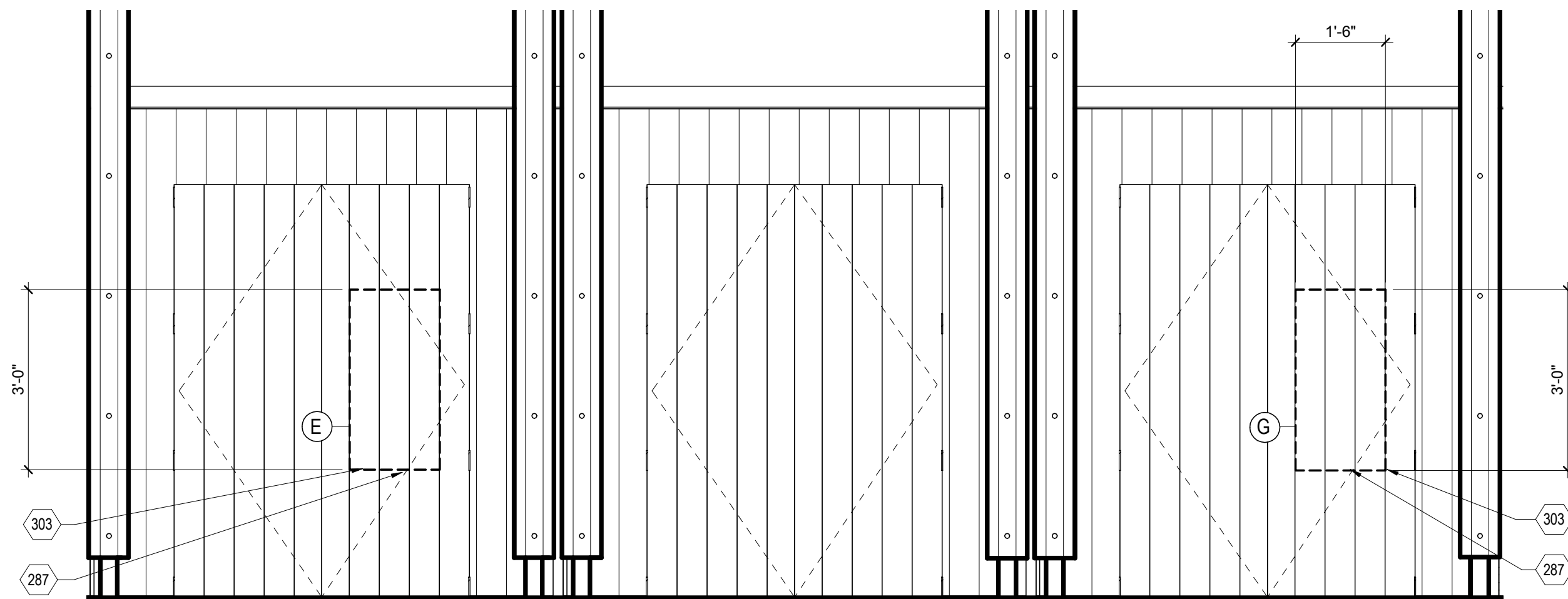
1. ALL SIGNAGE IS TEMPORARY FOR THE PURPOSE OF THE EVENT ONLY
2. REFER TO PAGE G-505 FOR SIGNAGE SCHEDULE

REFERENCE KEYNOTES

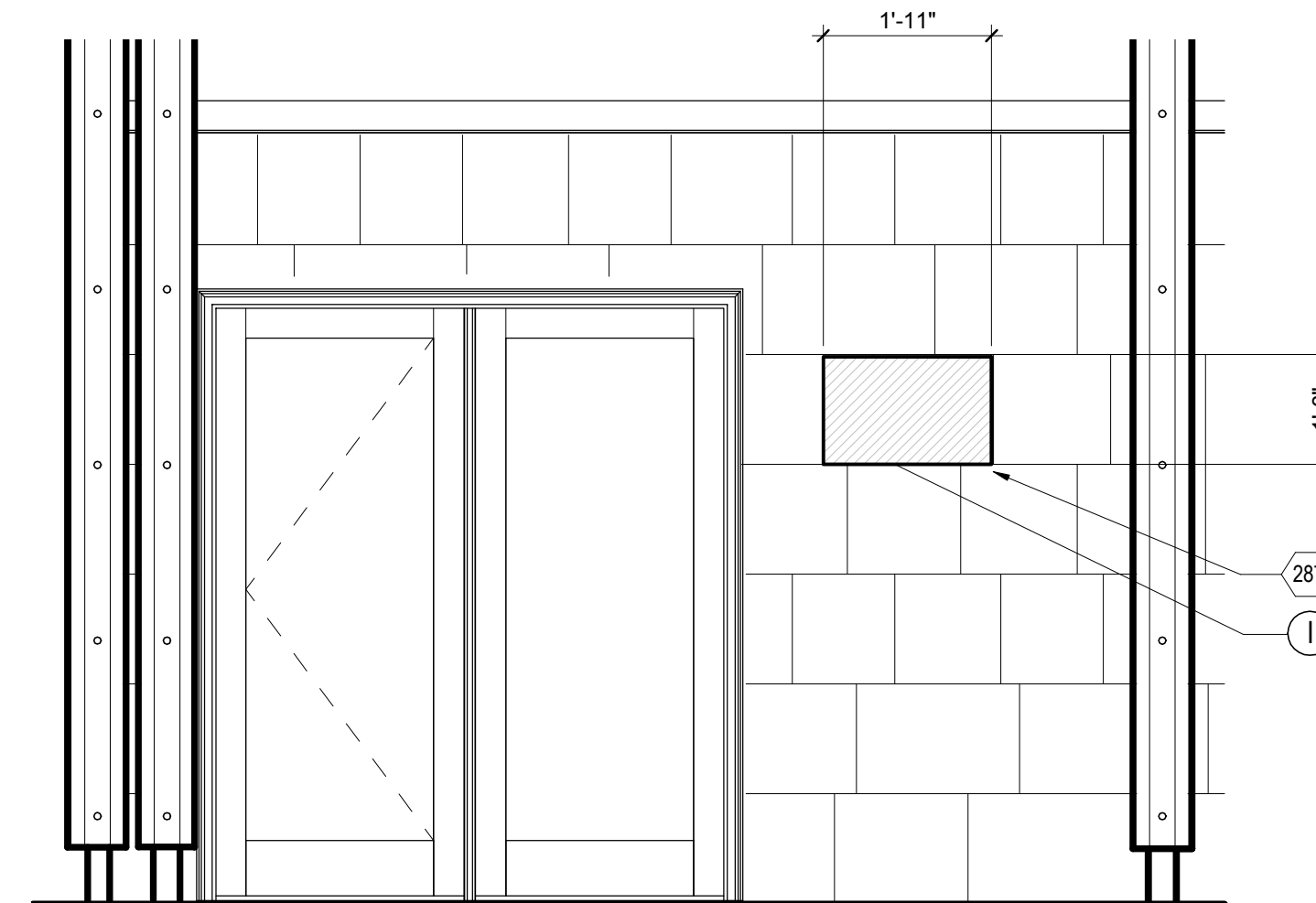
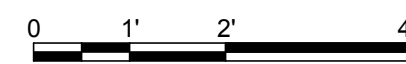
SHEET KEYNOTES

- 285 MAX METAL WITH PRINTED GRAPHICS
- 287 PLEXIGLASS SHEET WITH PRINTED GRAPHICS
- 303 SIGNAGE MOUNTED TO INTERIOR OF OM DOORS, OPEN DURING PUBLIC EXHIBIT HOURS

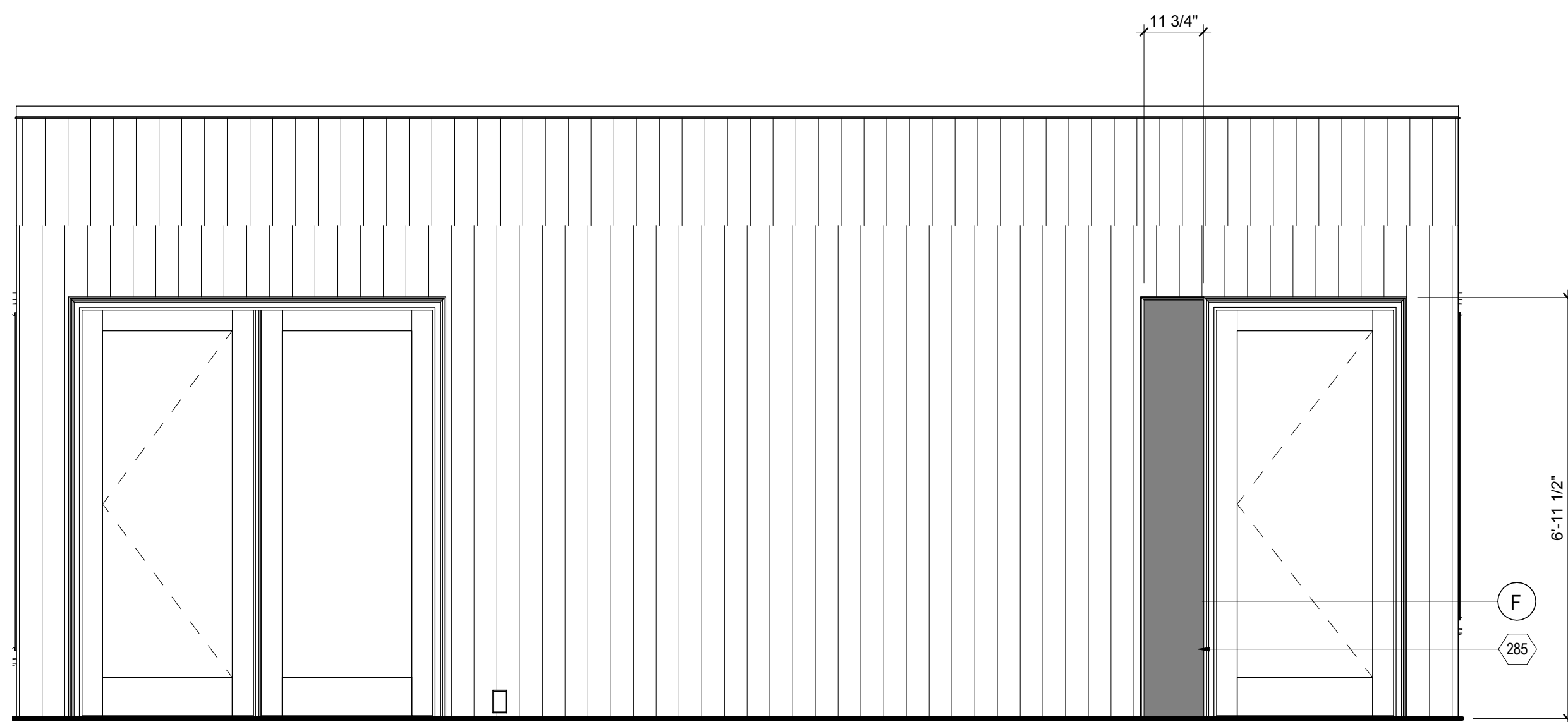
G
F
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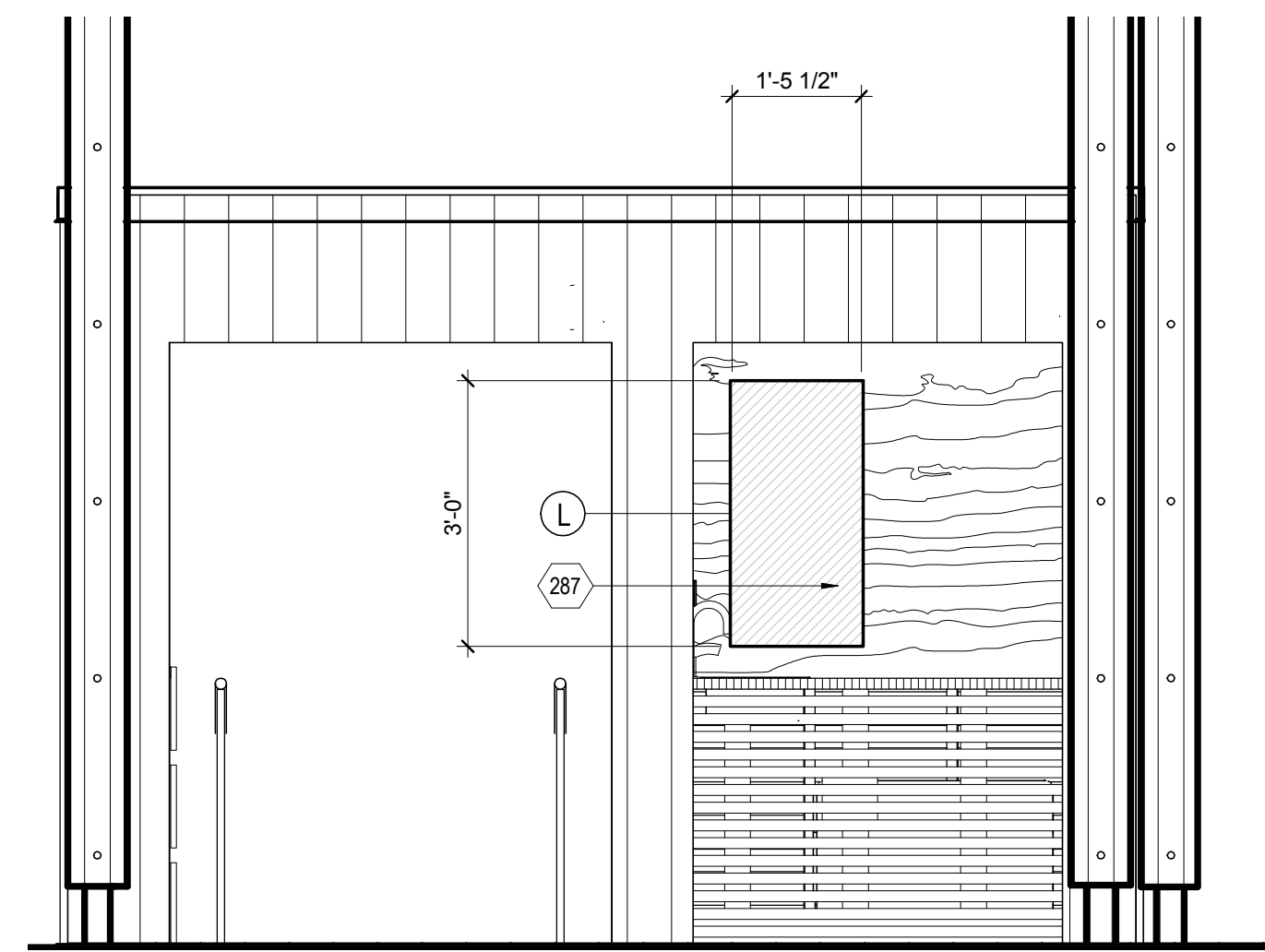
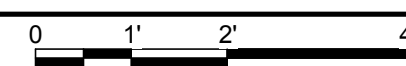
E1 SIGNAGE ELEVATION OM CLOSETS EAST
1/2" = 1'-0"



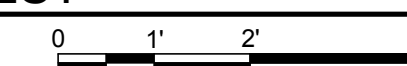
E7 SIGNAGE ELEVATION FLEX OM EAST
1/2" = 1'-0"



B1 SIGNAGE ELEVATION HOUSE EAST
1/2" = 1'-0"



B7 SIGNAGE ELEVATION FLEX OM WEST
1/2" = 1'-0"



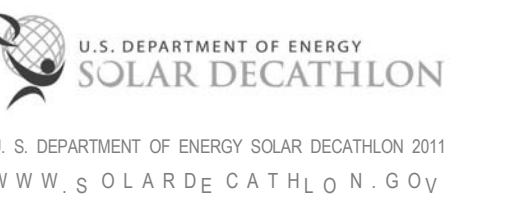


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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PHONE: 828.262.8519
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SHEET TITLE:
ENLARGED GARDEN SIGNAGE
PLAN

SHEET NUMBER:

G-401

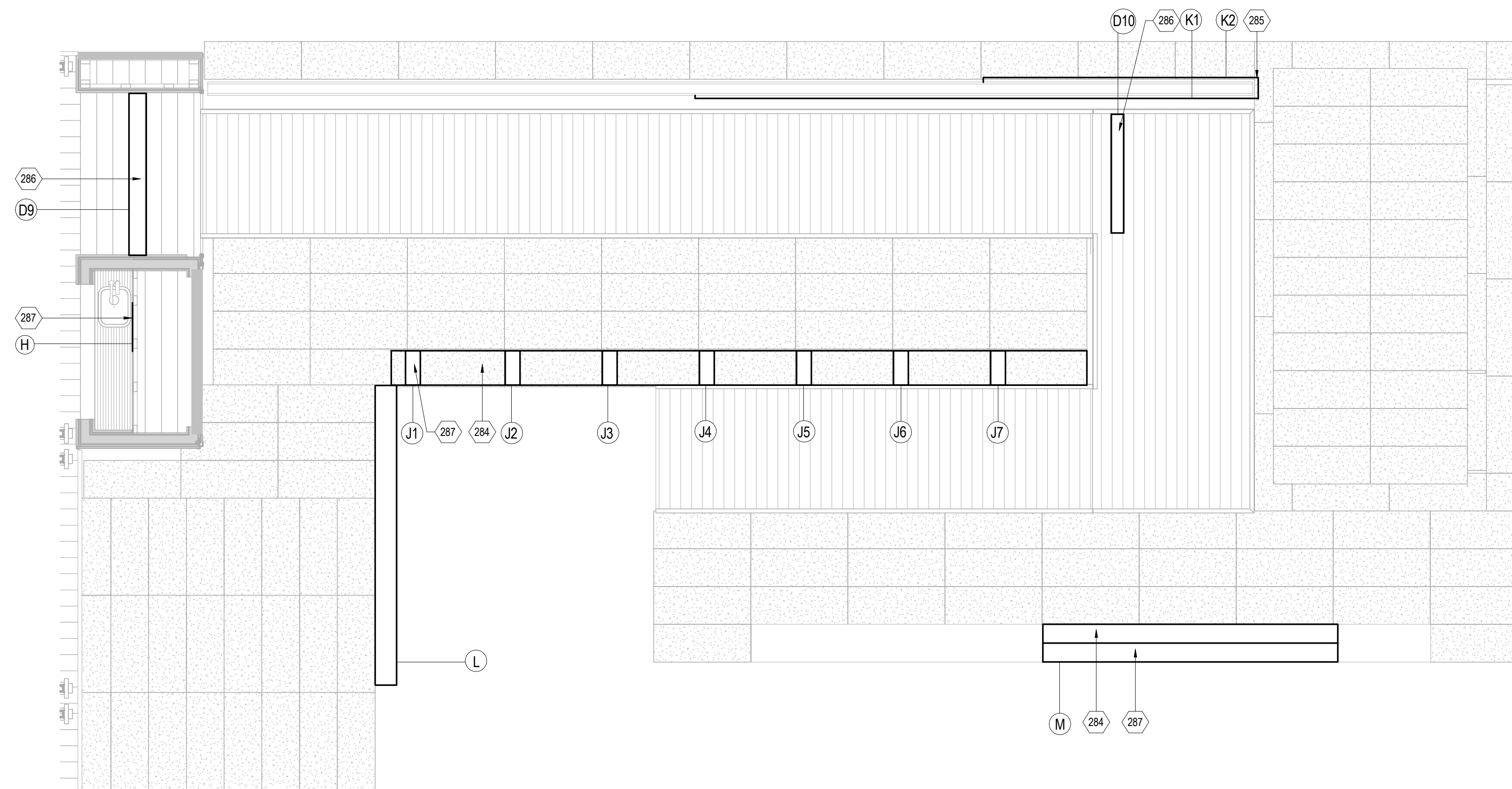
GENERAL SHEET NOTES

1. ALL SIGNAGE IS TEMPORARY FOR THE PURPOSE OF THE EVENT ONLY
2. REFER TO PAGE G-505 FOR SIGNAGE SCHEDULE

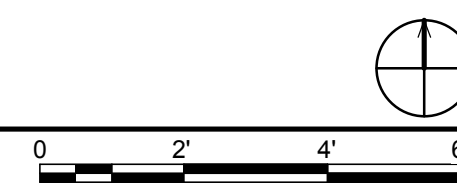
REFERENCE KEYNOTES

SHEET KEYNOTES

- | | |
|-----|--|
| 284 | PLEXIGLASS DISPLAY CASE |
| 285 | MAX METAL WITH PRINTED GRAPHICS |
| 286 | LASER BURNT GRAPHICS ON WOOD BOARDS |
| 287 | PLEXIGLASS SHEET WITH PRINTED GRAPHICS |



B2 ENLARGED GARDEN SIGNAGE PLAN
3/8" = 1'-0"



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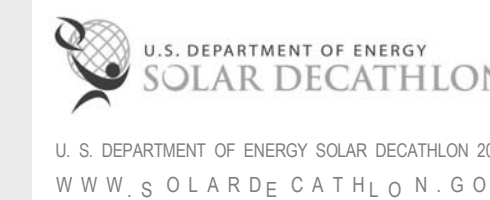


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MARK - DATE - DESCRIPTION

SHEET TITLE:
SOUTH SITE WALL SIGNAGE
DETAIL

SHEET NUMBER:

G-501

GENERAL SHEET NOTES

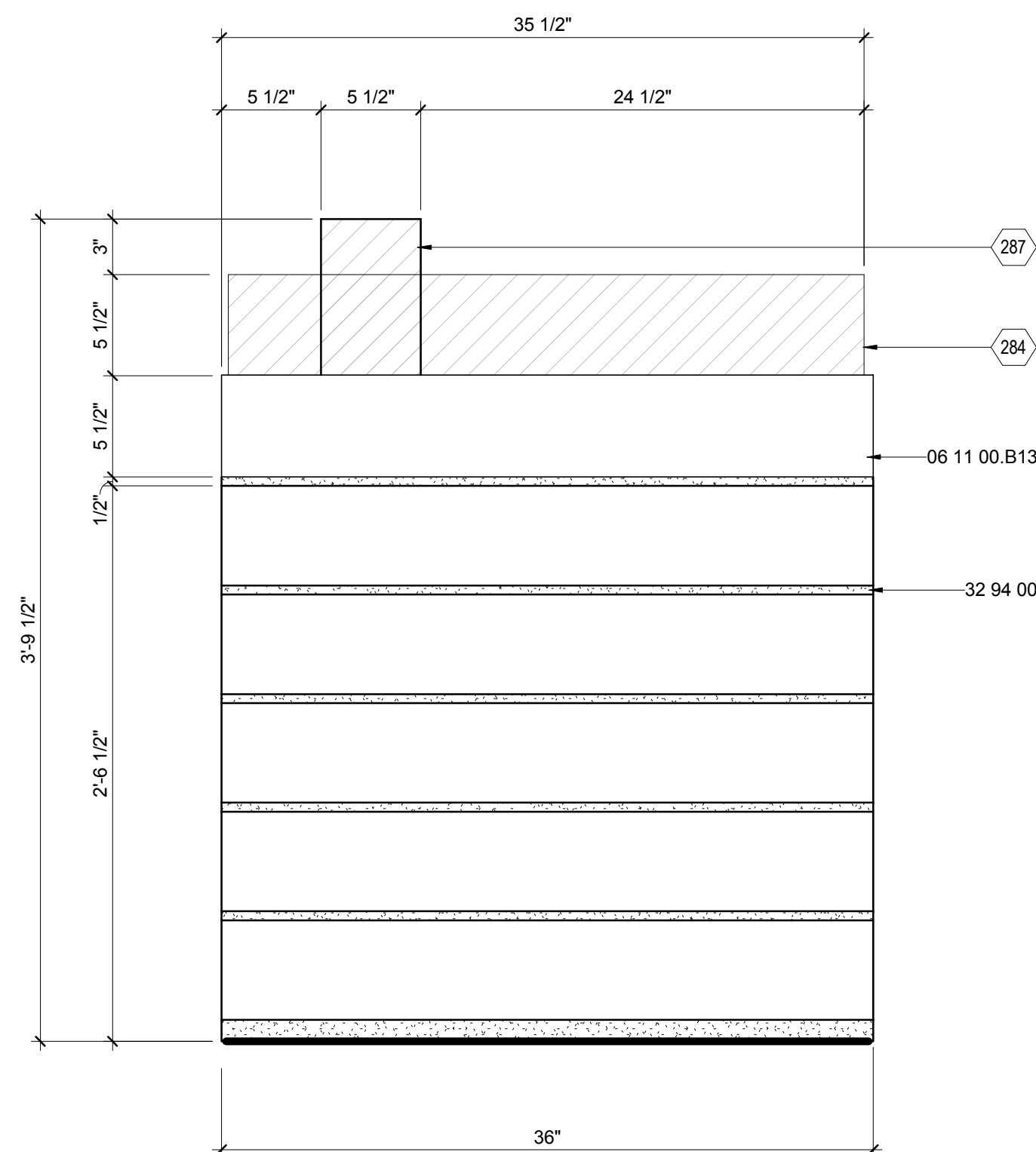
1. ALL SIGNAGE IS TEMPORARY FOR THE PURPOSE OF THE EVENT ONLY

REFERENCE KEYNOTES

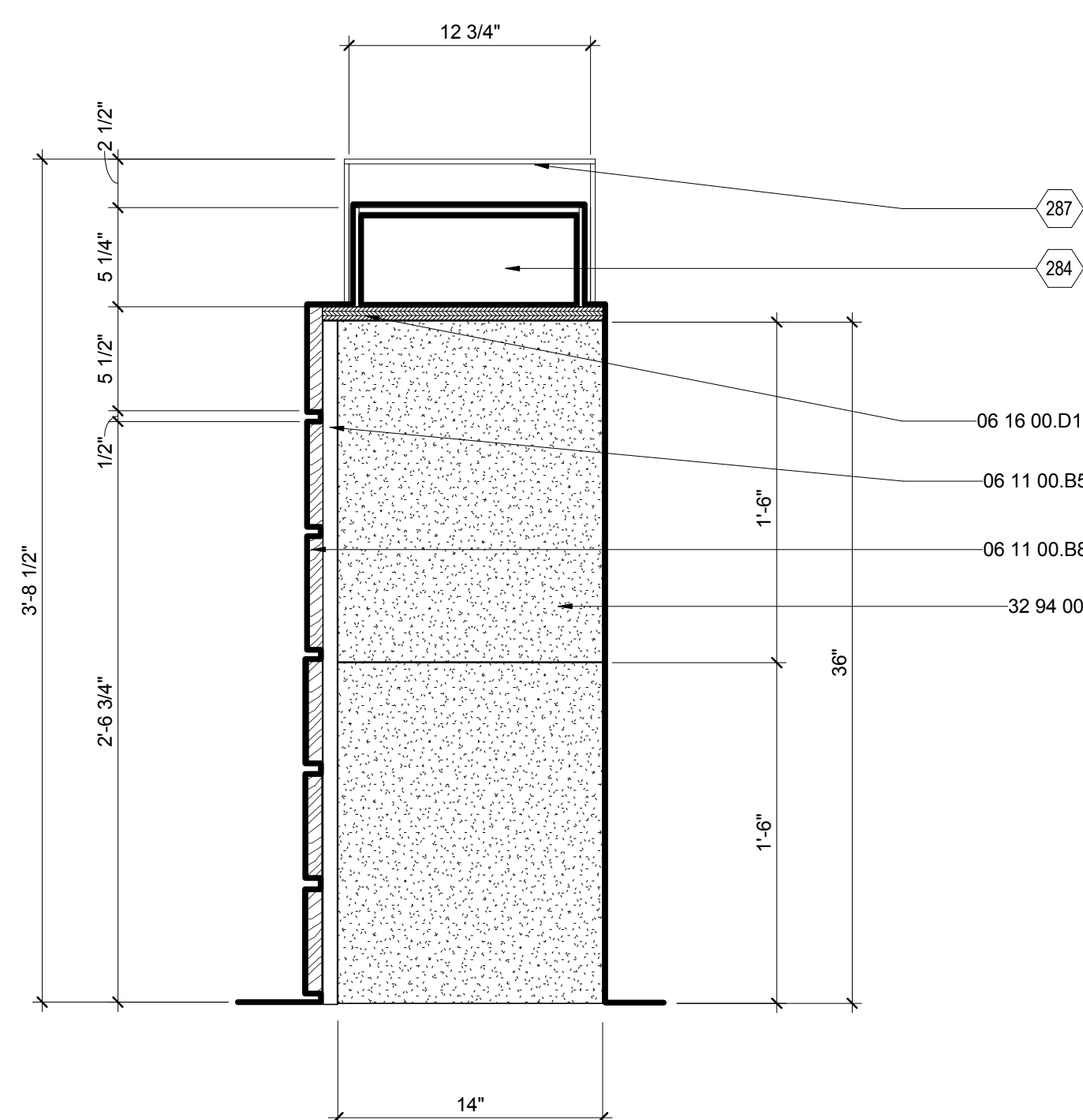
06 11 00.B5	1X4
06 11 00.B8	1X6
06 11 00.B13	1X12
06 11 00.D1	2X4
06 11 00.L1	4X4
06 16 00.D11	3/4" PLYWOOD
32 94 00	PLANTING ACCESSORIES

SHEET KEYNOTES

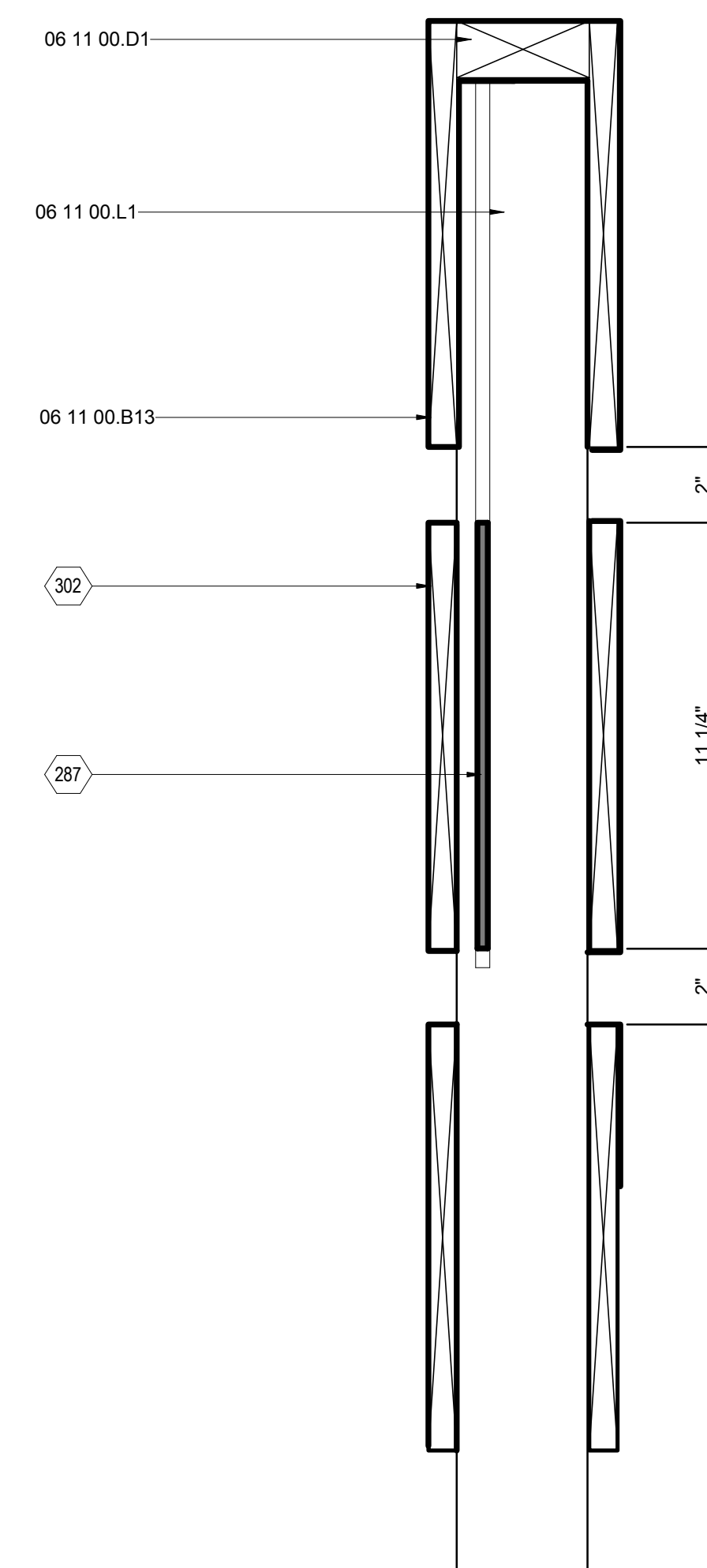
284	PLEXIGLASS DISPLAY CASE
287	PLEXIGLASS SHEET WITH PRINTED GRAPHICS
302	REMOVABLE BOARD TO EXPOSE SIGNAGE WHEN PUBLIC EXHIBIT IS NOT OPEN



E2 GREEN ROOF DISPLAY CASE ELEVATION
1 1/2" = 1'-0"
0 1' 2' 4'



A2 GREEN ROOF DISPLAY CASE SECTION
1 1/2" = 1'-0"
0 1' 2' 4'



C7 SOUTH SITE WALL SIGNAGE DETAIL
3" = 1'-0"
0 3' 6" 1'

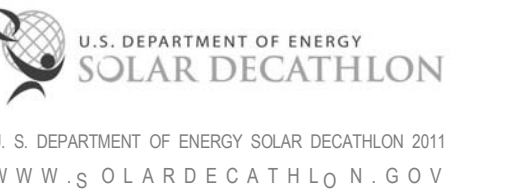


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MARK - DATE - DESCRIPTION

SHEET TITLE:
TEAM UNIFORM & TAKEAWAY

SHEET NUMBER:

G-502

GENERAL SHEET NOTES

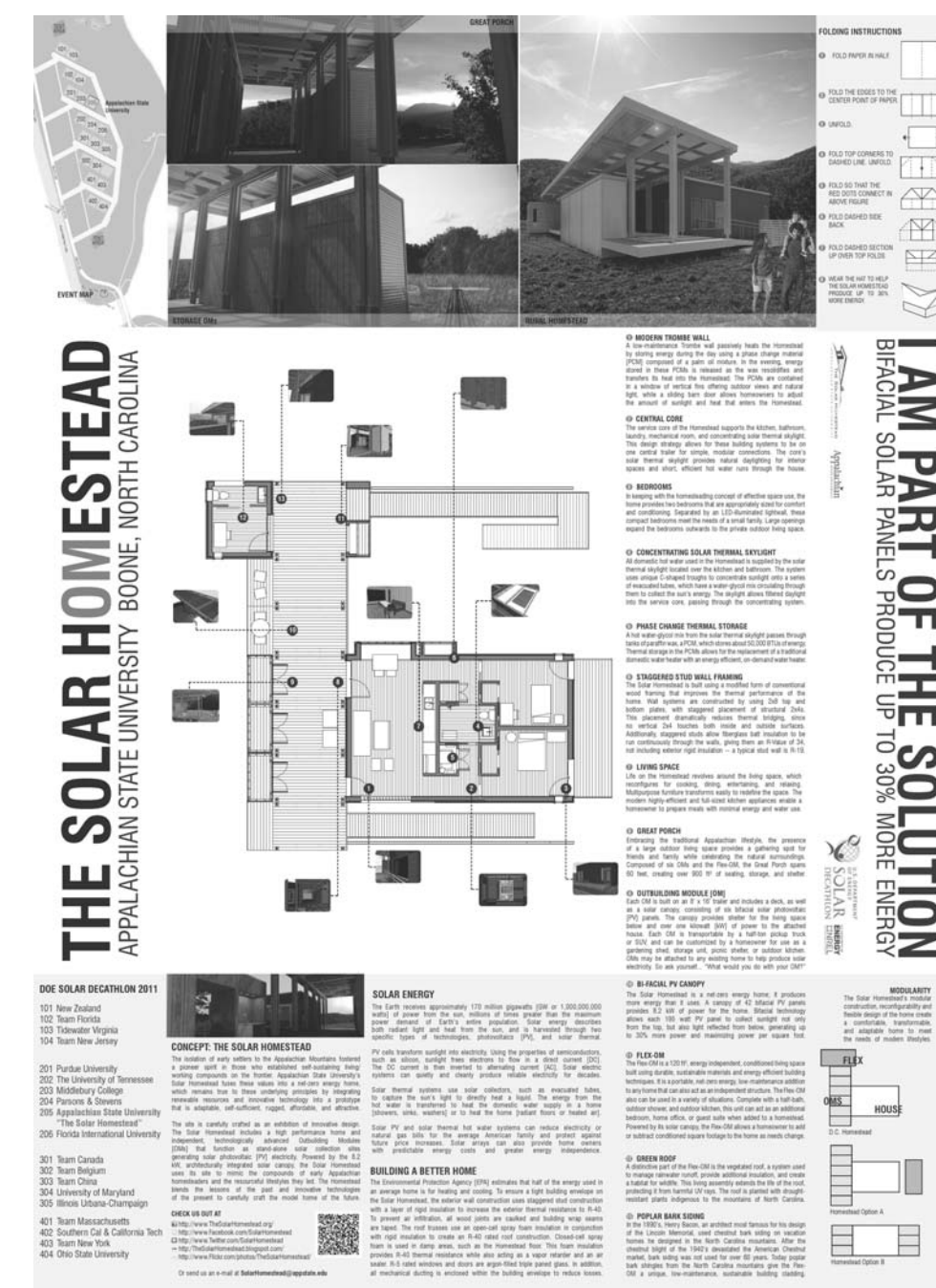
1. TYPICAL 3 COLOR SCREEN PRINTING
2. COLOR: CHARCOAL

REFERENCE KEYNOTES

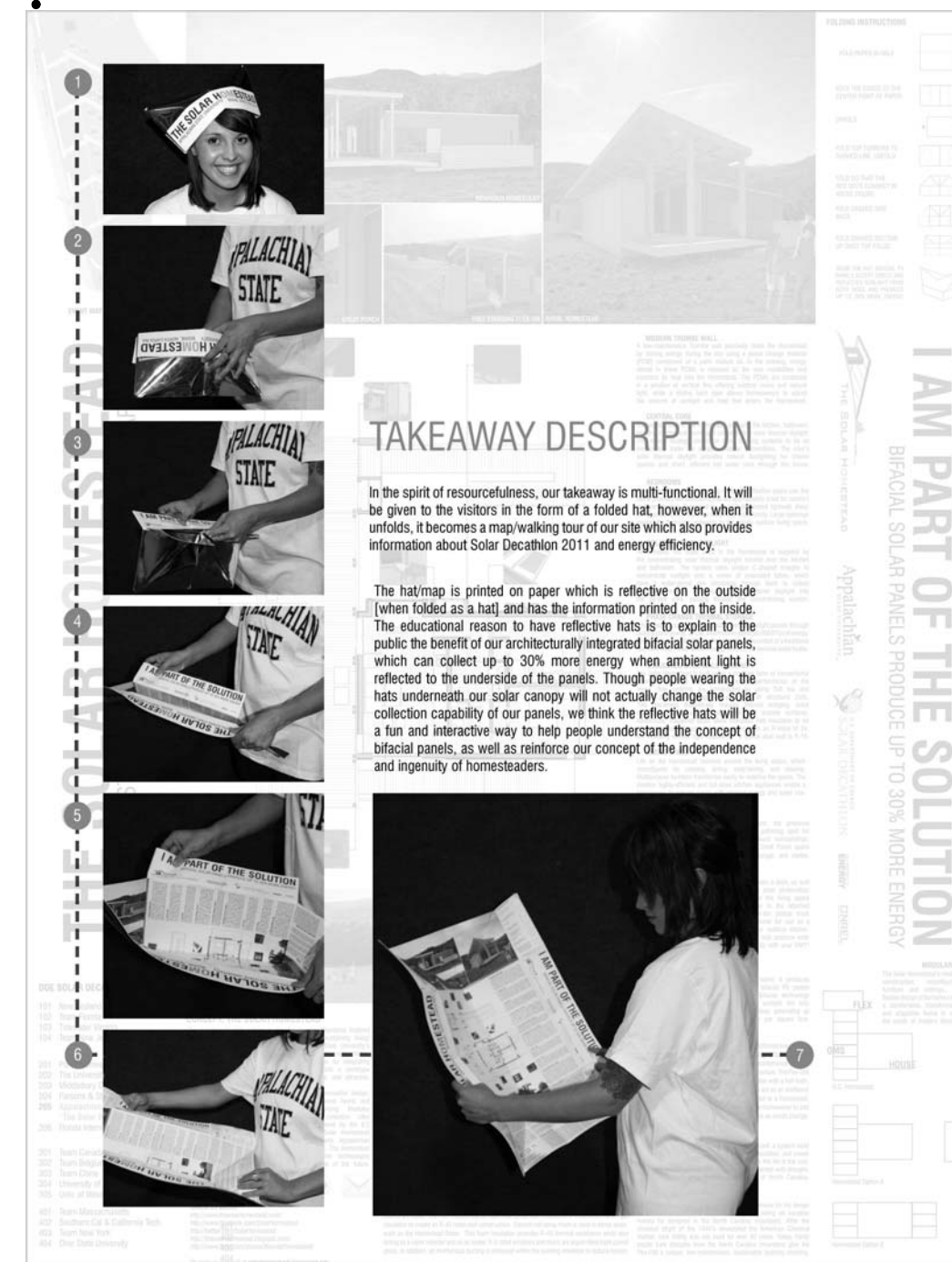
SHEET KEYNOTES



E2 NTS



A2 EVENT TAKEAWAY
NTS



A4 EVENT TAKEAWAY EXPLANATION
NTS

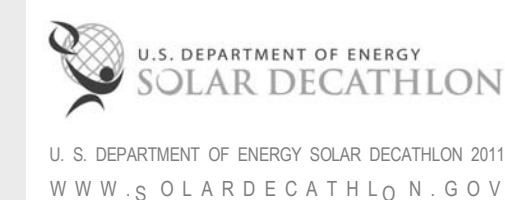


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MARK - DATE - DESCRIPTION

SHEET TITLE:
SIGNAGE SCHEDULE

SHEET NUMBER:

G-601

SIGNAGE SCHEDULE			
MARK	MATERIAL	DIMENSIONS (LxH)	LOCATION
A1	MAX METAL	100" X 11.25"	FRONT OF SOUTH SITE WALL
A2	MAX METAL	192" X 11.25"	BACK OF SOUTH SITE WALL
B	FROSTED PLEXIGLASS	140" X 11.25"	AFTER HOURS SOUTH SITE WALL
C	WHITE PINE	120" X 5.5"	BENCH IN FRONT OF SOUTH SITE WALL
D (1-10)	DECKBOARD	32" X 5"	SOUTH RAMP, GREAT PORCH, NORTH RAMP
E	FROSTED PLEXIGLASS	20" X 36"	BACK OF OM DOOR
F	MAX METAL	12" X 82"	EXTERIOR OF HOUSE
G	FROSTED PLEXIGLASS	20" X 36"	BACK OF OM DOOR
H	FROSTED PLEXIGLASS	20" X 15"	ATTACHED TO KITCHEN OM
I	FROSTED PLEXIGLASS	24" X 15"	EXTERIOR OF FLEX OM
J (1-7)	PLEXIGLASS	30" X 5.5"	NORTH RAMP
K1	MAX METAL	100" X 11.25"	FRONT OF NORTH SITE WALL
K2	MAX METAL	192" X 11.25"	BACK OF NORTH SITE WALL
L	BENCH BOARD	108" X 7.25"	ATTACHED TO STAGGERED STUD EXHIBIT
M	PLEXIGLASS	144" X 11.25"	ON BENCH IN GARDEN

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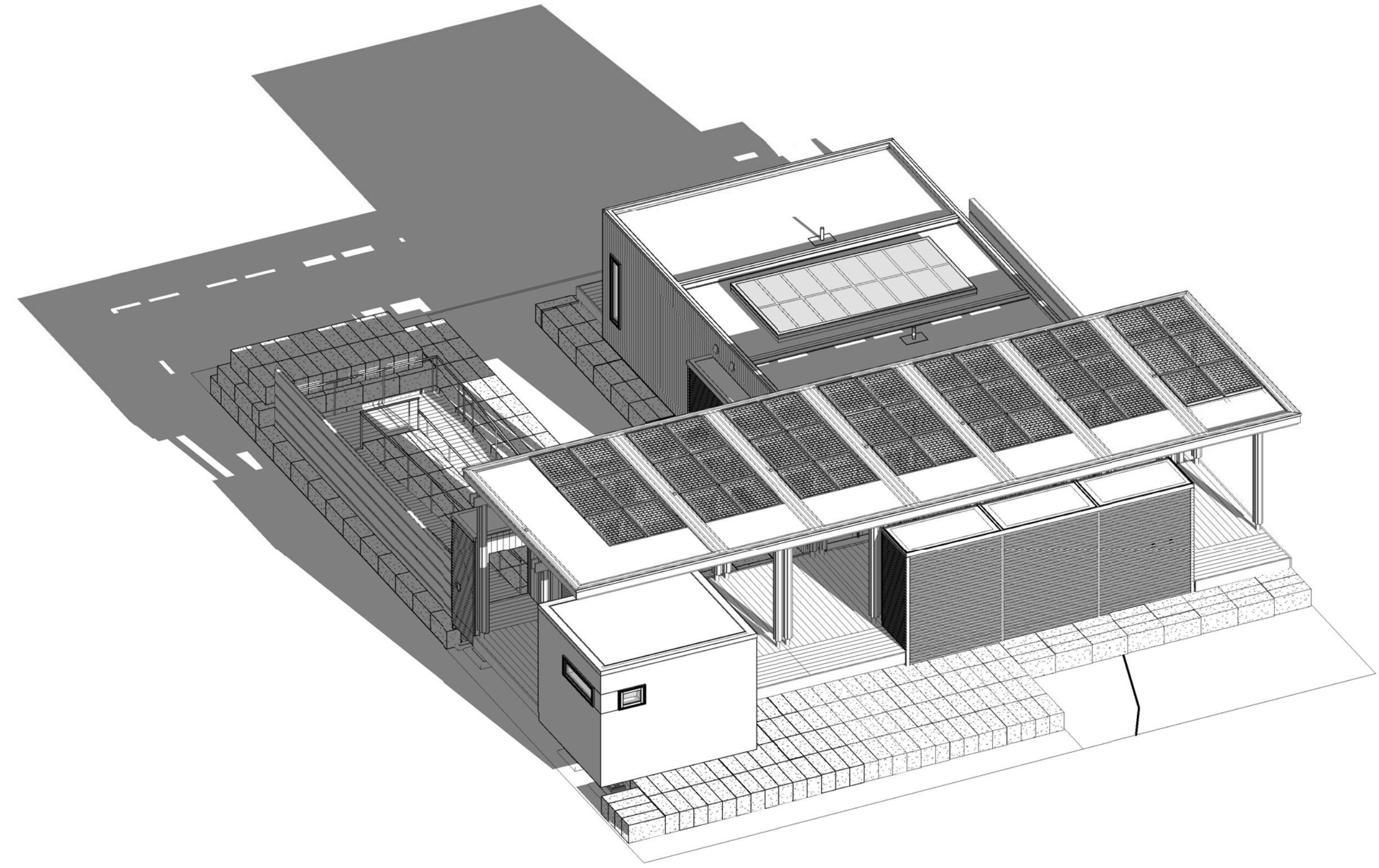
MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL SHADING DIAGRAMS

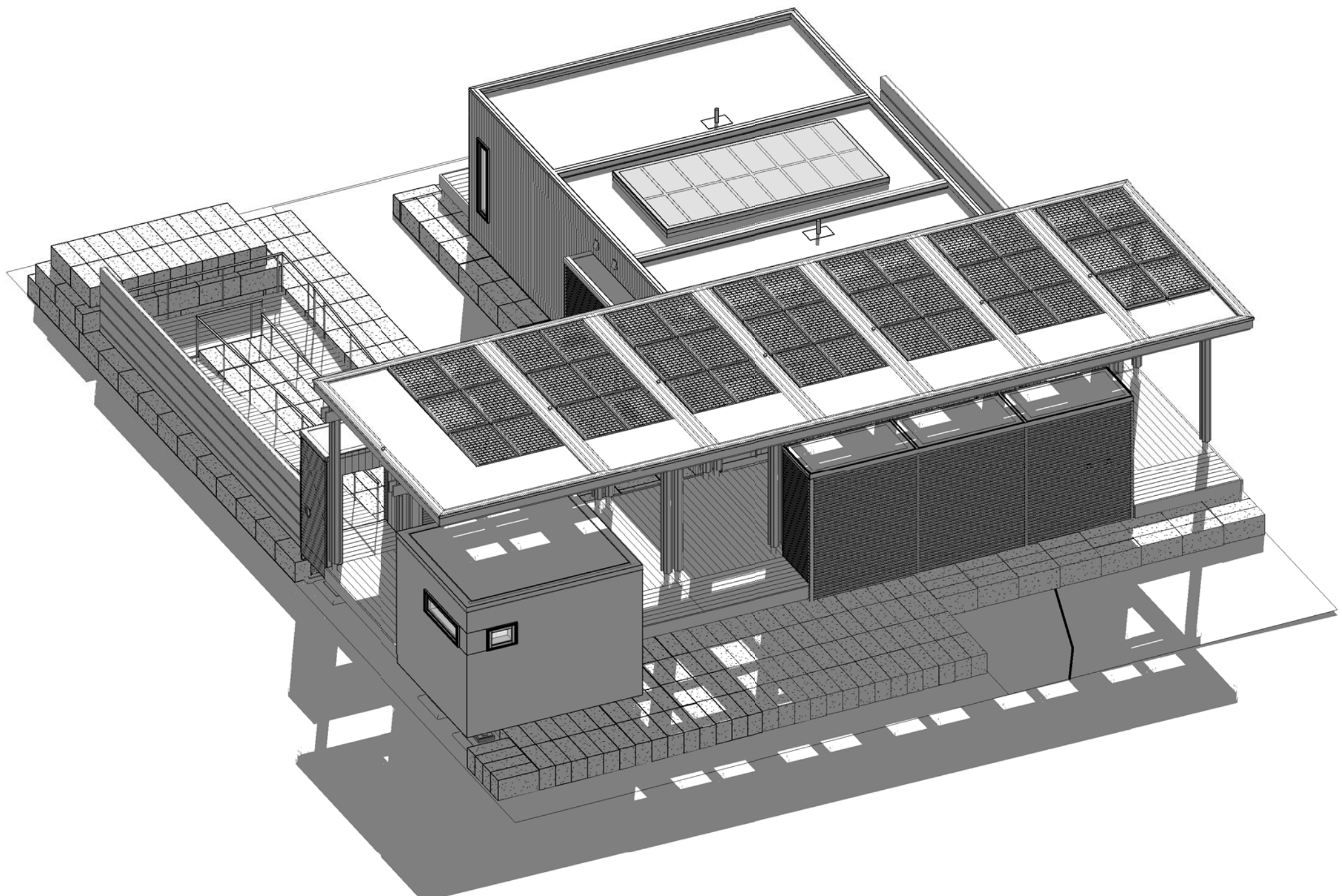
SHEET NUMBER:

G-602

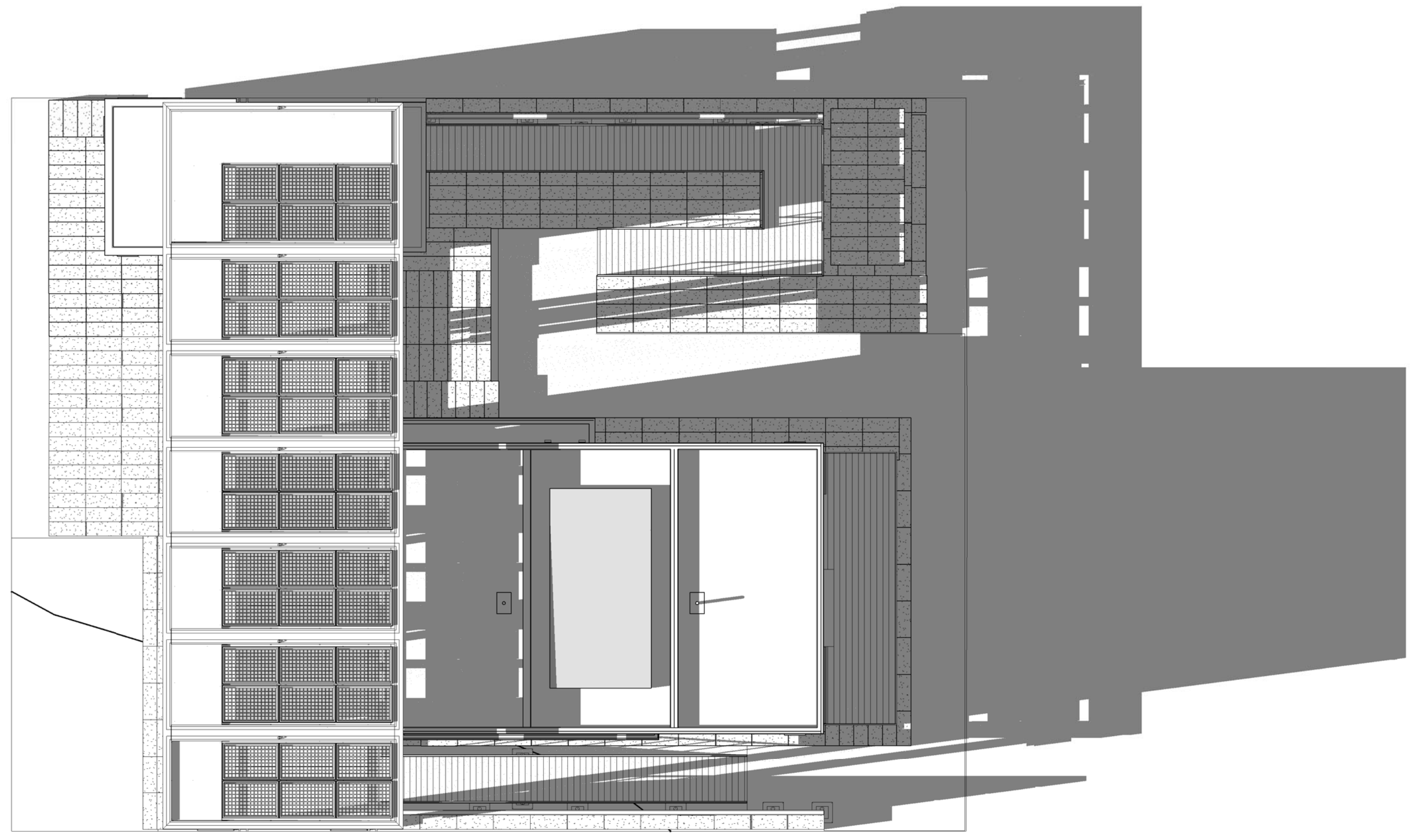
THE SOLAR HOMESTEAD



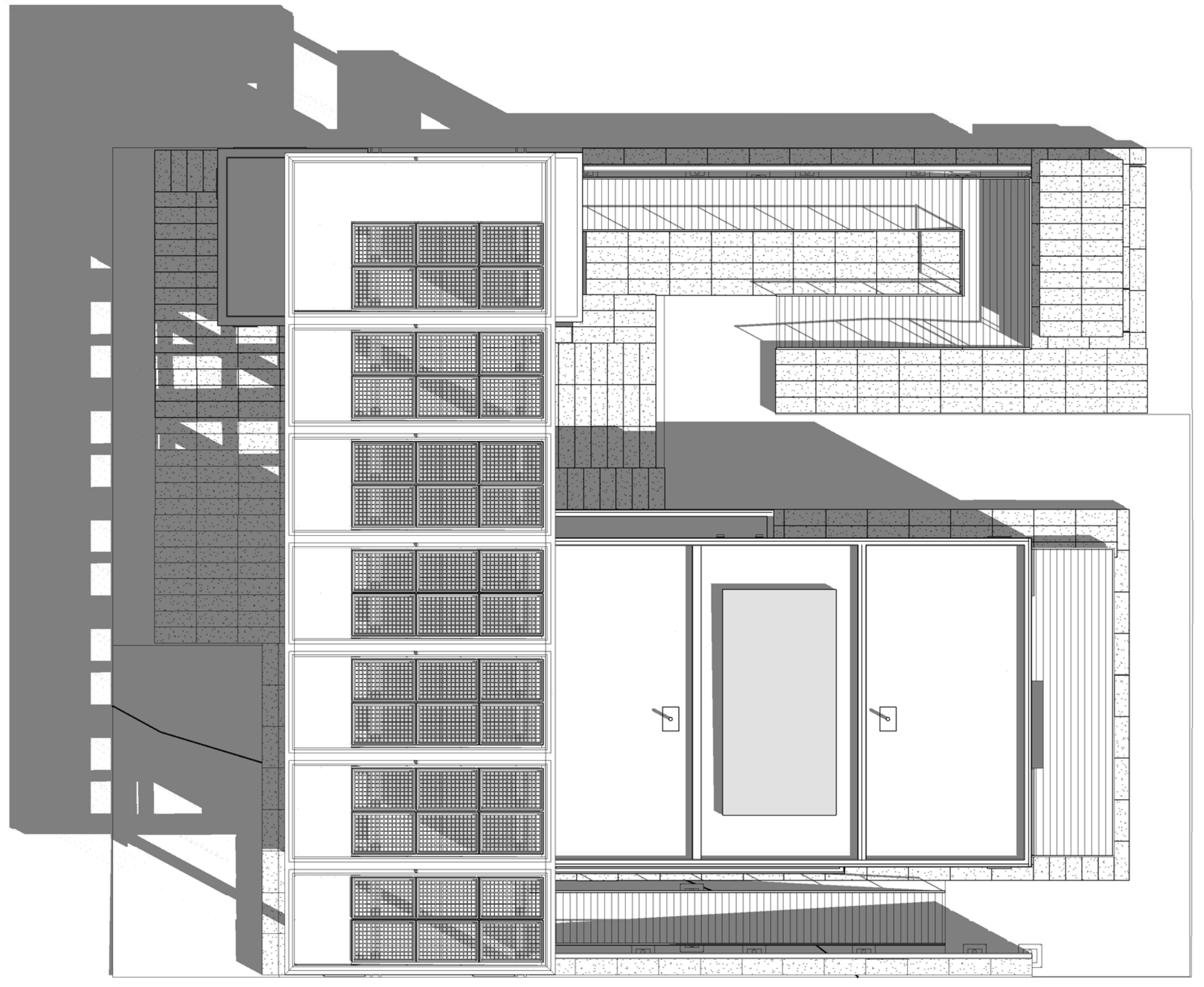
E6 SHADED PERSPECTIVE- D.C. 09/13/2011 0500PM



E1 SHADED PERSPECTIVE- D.C. 09/13/2011 0900AM



A6 SHADED PLAN- D.C. 09/13/2011 0500PM



A1 SHADED PLAN- D.C. 09/13/2011 0900AM

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PHONE: 828.262.8519
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MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL PROJECT
RENDERINGS

SHEET NUMBER:

G-901

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(A1) SOUTHWEST APPALACHIA RENDERING
NTS



(D6) SOUTHWEST CORNER RENDERING
NTS



(A6) NORTHWEST CORNER RENDERING
NTS

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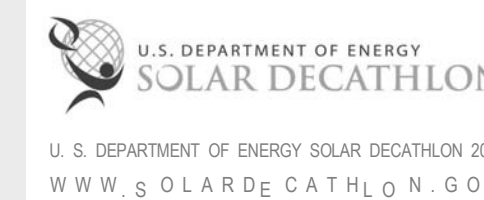


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MARK - DATE - DESCRIPTION

SHEET TITLE:
LIQUID CONTAINMENT PLAN

SHEET NUMBER:

H-101

GENERAL SHEET NOTES

- LIQUID IN FIRE SPRINKLER SYSTEM, SOLAR THERMAL SYSTEM AND DOMESTIC WATER NOT FULLY SHOWN. REFER TO PLUMBING FOR EXTENTS
- REFER TO PROJECT MANUAL FOR SPECIFICATIONS OF LIQUID CONTAINMENT PIPES, ETC.

LIQUID CONTAINMENT LEGEND

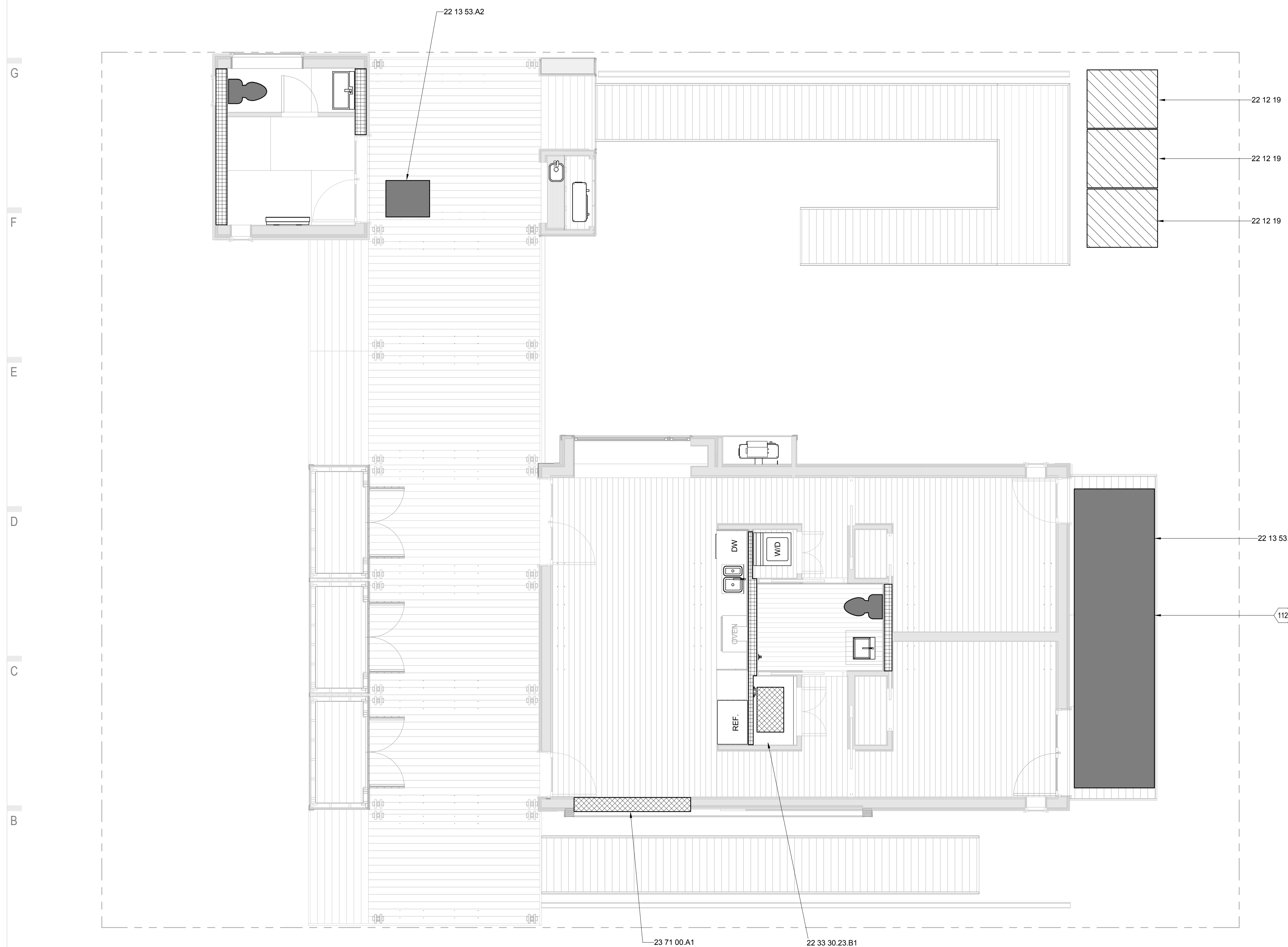
- STANDING POTABLE WATER
- STANDING WASTE WATER
- THERMAL STORAGE
- PLUMBING WALLS

REFERENCE KEYNOTES

- | | |
|----------------|--|
| 22 12 19 | FACILITY GROUND-MOUNTED, POTABLE WATER STORAGE TANKS |
| 22 13 53.A1 | CUSTOM WASTE WATER BLADDER TANK |
| 22 13 53.A2 | 25 GALLON WASTE WATER BLADDER TANK |
| 22 33 30.23.B1 | LATENT STORAGE AND EXCHANGE DEVICE |
| 23 71 00.A1 | TROMBE WALL |

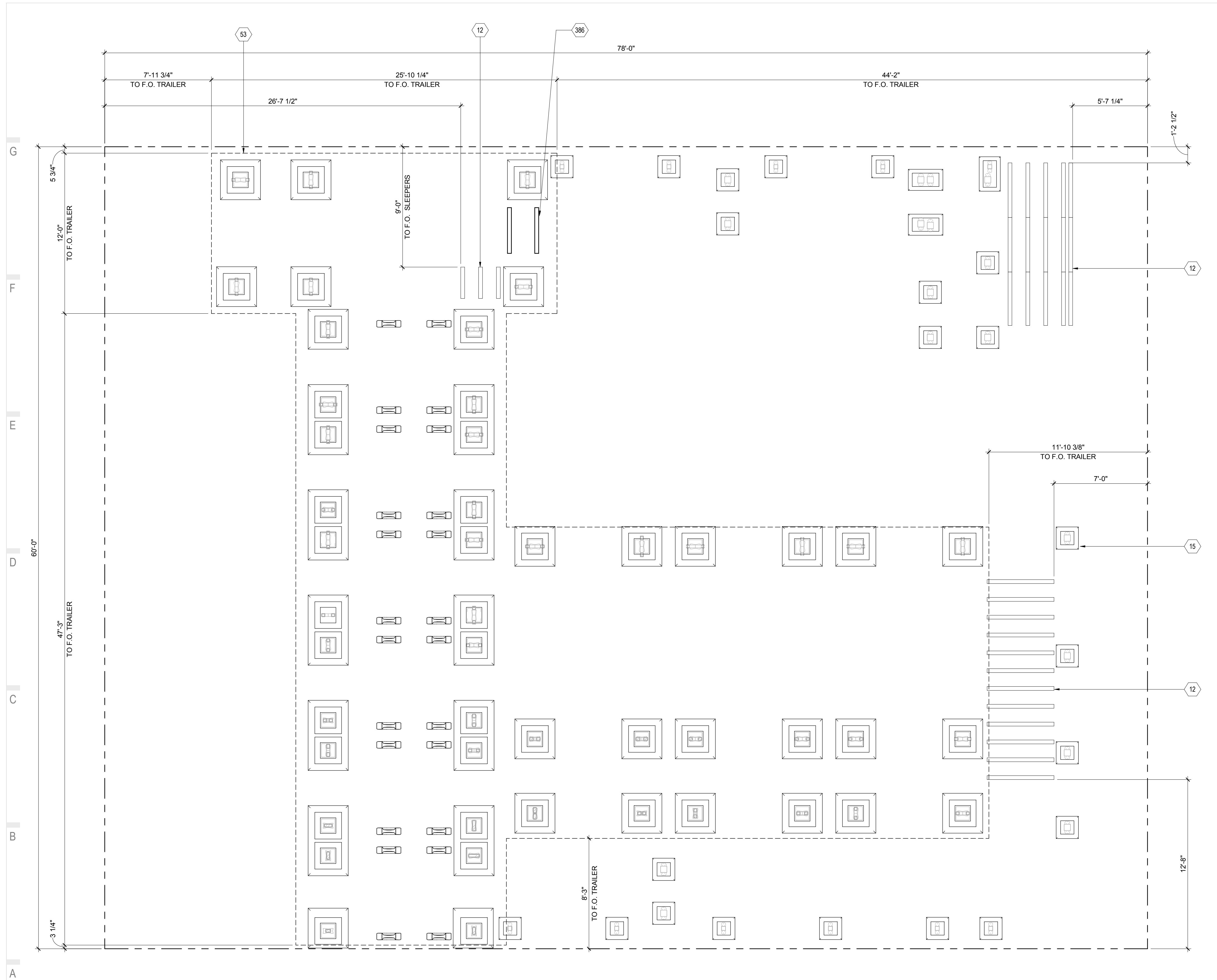
SHEET KEYNOTES

- | | |
|-----|--|
| 112 | GRAY WATER TO BE REUSED FOR LANDSCAPE IRRIGATION |
|-----|--|



A1 LIQUID CONTAINMENT PLAN
1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10



GENERAL SHEET NOTES

1. FOR BEARING DETAILS AND CALCULATIONS, REFER TO STRUCTURAL.
2. FOUNDATION BEARING PADS NOT TO EXCEED SOLAR DECATHLON BUILDING CODE MAXIMUM LOAD LIMIT OR 1500 PSF
3. ALL ASSEMBLIES ASSOCIATED WITH SUPPLY TANKS, WASTE BLADDERS ARE TEMPORARY AND FOR COMPETITION PURPOSES ONLY.
4. ALL TANKS AND BLADDERS TO BE MINIMUM OF 3 1/2" ABOVE GRADE.

REFERENCE KEYNOTES

SHEET KEYNOTES

- | | |
|-----|--|
| 12 | SLEEPERS FOR WATER TANK SUPPORT |
| 15 | FOUNDATION BEARING PADS |
| 53 | TRAILER FRAME ABOVE |
| 386 | FOOTERS FOR WATER PRESSURE TANK AND SUPPLY PUMPS |

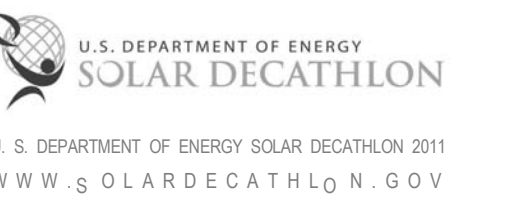


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SHEET TITLE:
GROUND CONTACT PLAN

SHEET NUMBER:

C-101

A1 GROUND CONTACT PLAN
1/4" = 1'-0"



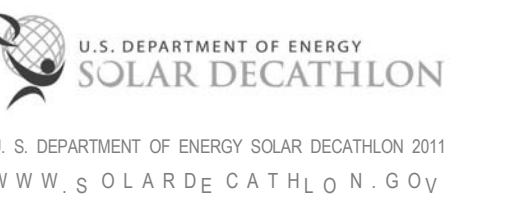


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SHEET TITLE:
ORGANIZER SUPPLIED PAVING
PLAN

SHEET NUMBER:

C-102

GENERAL SHEET NOTES

1. EXTENTS OF ORGANIZER PROVIDED PAVING.

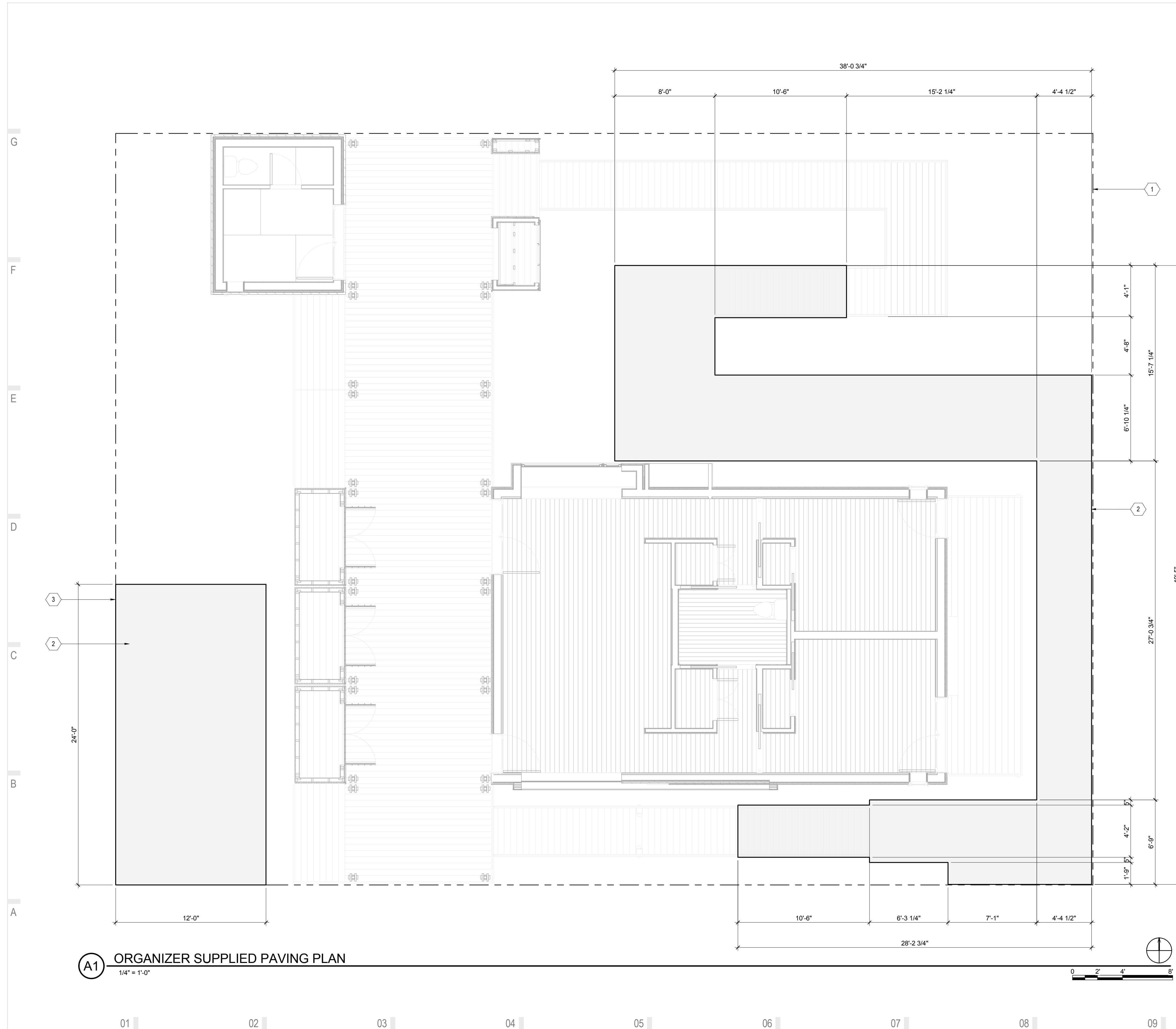
PAVING PLAN LEGEND

- ORGANIZERS SUPPLIED PAVING

REFERENCE KEYNOTES

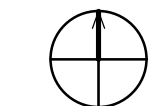
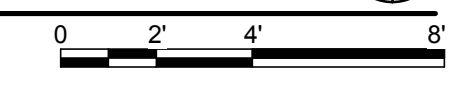
SHEET KEYNOTES

1. PROPERTY LINE
2. EVENT ORGANIZER PROVIDED WALKWAY MATERIAL TO BE EXTENDED FROM END OF ADA ACCESSIBLE RAMPS TO MAIN WALKWAY.
3. CONSTRUCTION STAGING AREA



A1 ORGANIZER SUPPLIED PAVING PLAN

1/4" = 1'-0"



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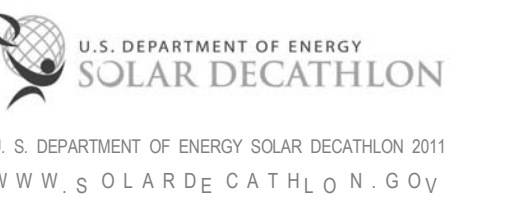


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APPALACHIAN STATE UNIVERSITY

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CLIENT:



LOT #: 205 | APPST
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CHECKED BY: KL
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
SITE UTILITY PLAN

SHEET NUMBER:

C-103

GENERAL SHEET NOTES

- 22 13 53 IS TEMPORARY FOR COMPETITION ONLY

SITE UTILITY LEGEND

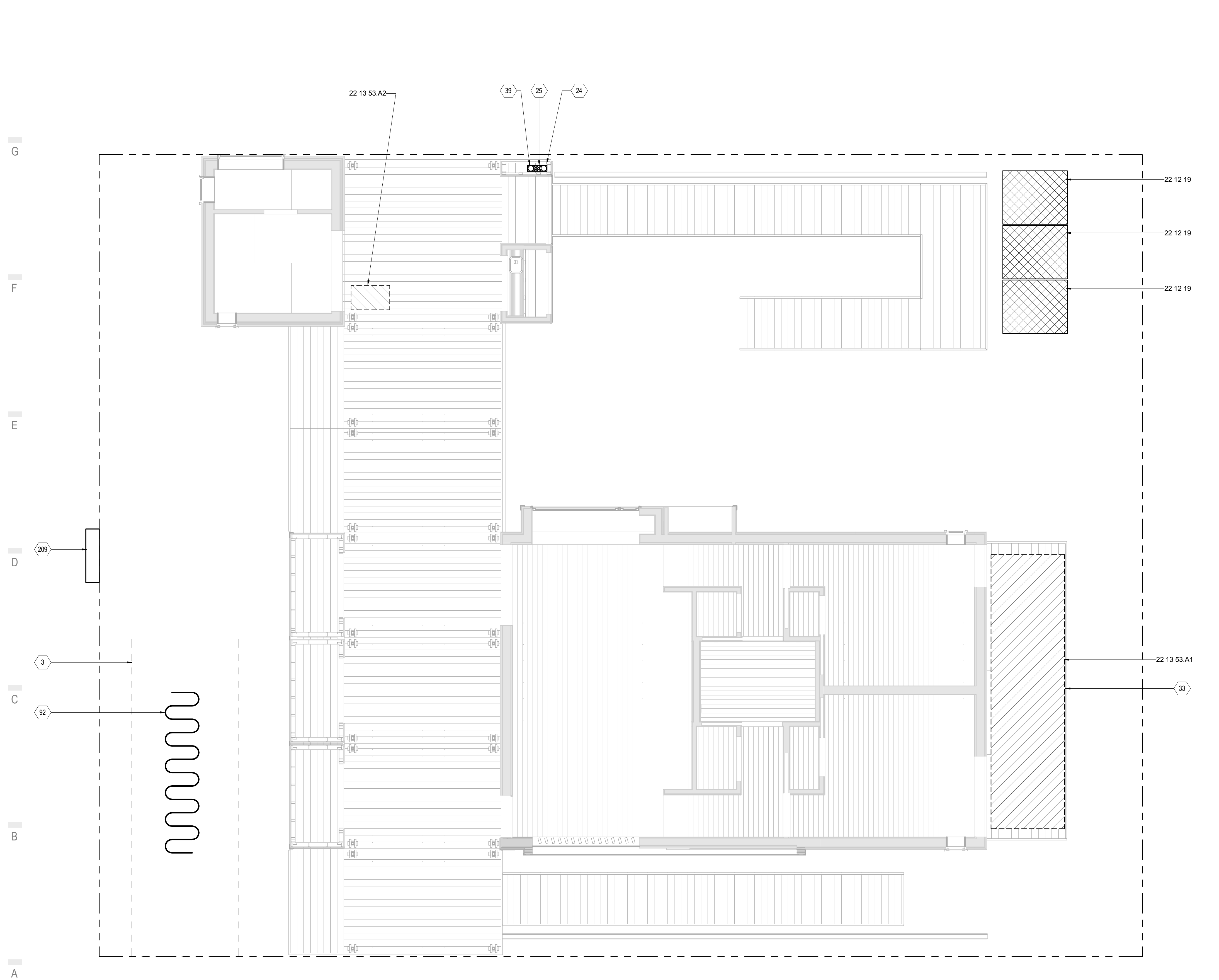
- WASTE WATER STORAGE
- SUPPLY WATER STORAGE

REFERENCE KEYNOTES

- 22 12 19 FACILITY GROUND-MOUNTED, POTABLE WATER STORAGE TANKS
- 22 13 53.A1 CUSTOM WASTE WATER BLADDER TANK
- 22 13 53.A2 25 GALLON WASTE WATER BLADDER TANK

SHEET KEYNOTES

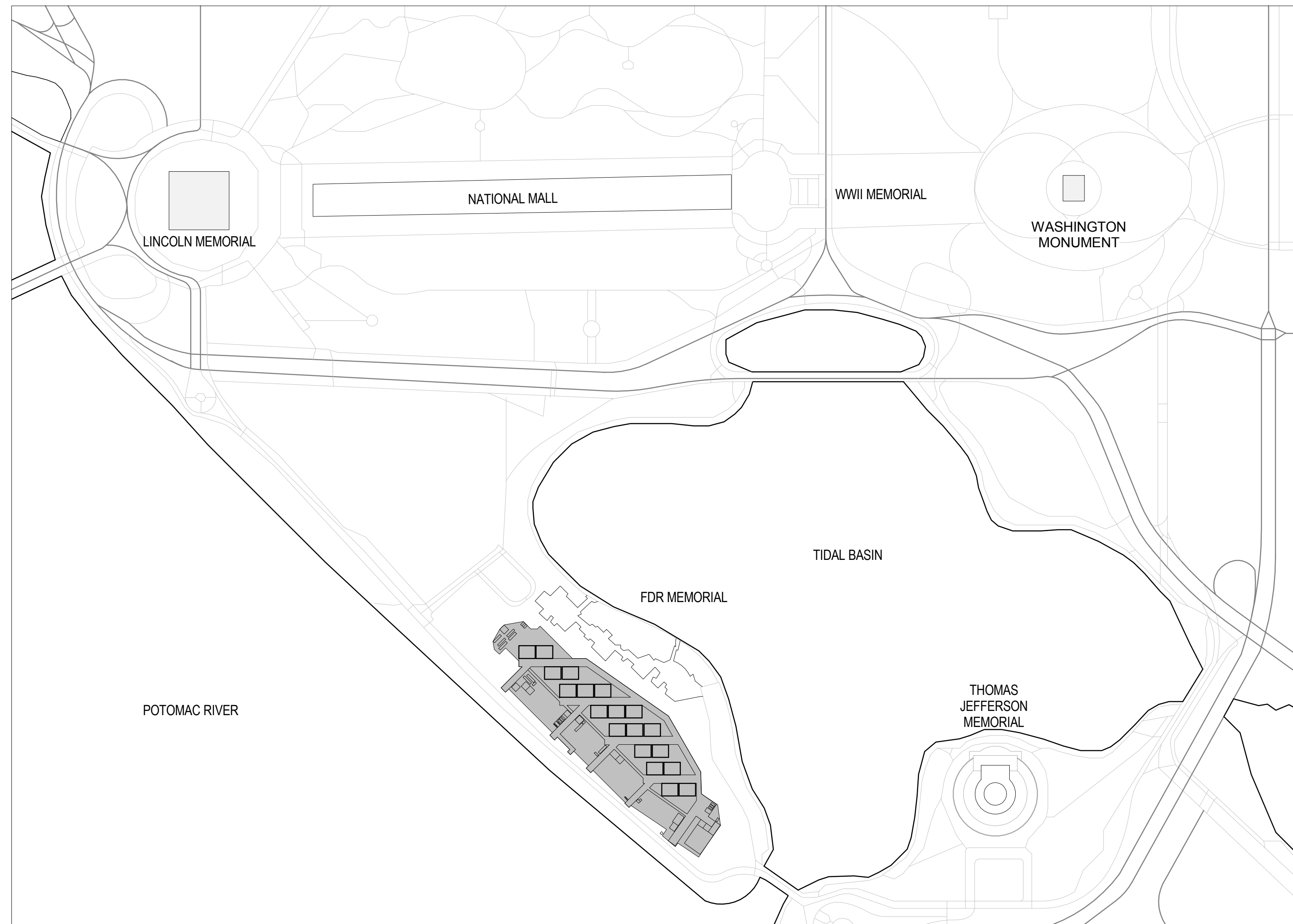
- 3 CONSTRUCTION STAGING AREA
- 24 INTERNET CONNECTION
- 25 ELECTRICAL CONNECTION
- 33 WATER STORAGE BLADDER TO BE LOCATED UNDER TRAILER FRAME
- 39 ELECTRICAL SERVICE PANEL
- 92 LOCATION OF BIKE RACK DURING COMPETITION - FOR COMPETITION PURPOSES ONLY
- 209 ORGANIZER UTILITY PANEL - 150A/240V/60HZ, 3-WIRE SERVICE



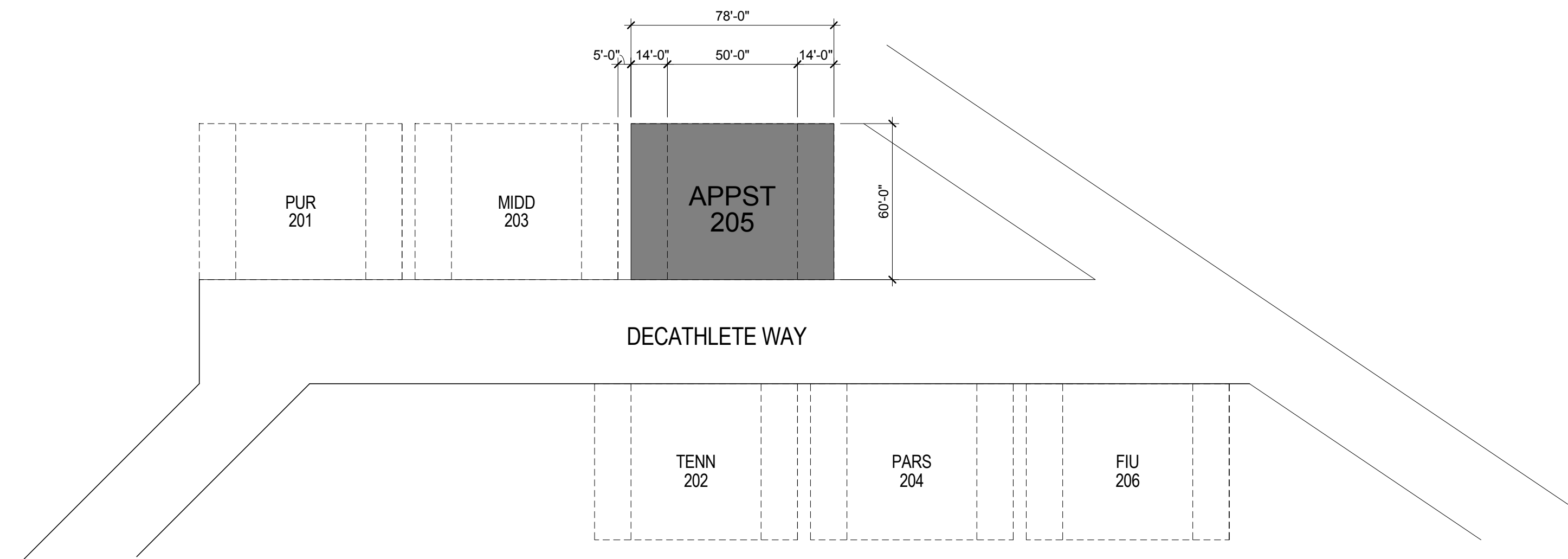
A1 SITE UTILITY PLAN
1/4" = 1'-0"



01 02 03 04 05 06 07 08 09 10



D1 GENERAL SITE PLAN
1" = 400'-0"



A1 NEIGHBORING TEAMS MAP
1" = 40'-0"

GENERAL SHEET NOTES

GENERAL SITE PLAN LEGEND

- LAND BORDER
- MAIN ROADS
- SECONDARY ROADS
- KEY PLACES
- SOLAR VILLAGE

REFERENCE KEYNOTES

SHEET KEYNOTES

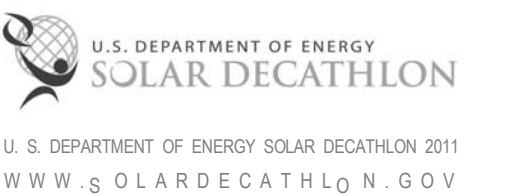


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SHEET TITLE:
SOLAR VILLAGE PLANS

SHEET NUMBER:

C-104

THE SOLAR HOMESTEAD

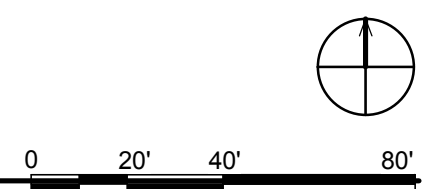
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POTOMAC RIVER

TIDAL BASIN

A2 NATIONAL MALL LOCATION PLAN
1" = 100'-0"



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GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

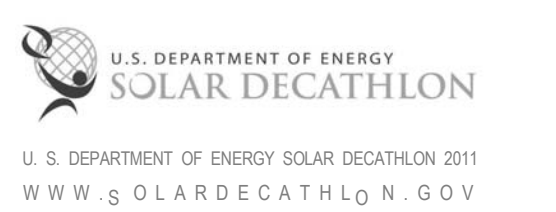
- 45 ORGANIZERS TENT
- 46 FDR MEMORIAL
- 47 APPALACHIAN STATE SITE 205
- 49 DECATHLETE WAY
- 73 SOLAR VILLAGE
- 170 KICKBALL FIELD



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LOT #: 205 | APPST
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 STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
 NATIONAL MALL LOCATION PLAN

SHEET NUMBER:

C-105

THE SOLAR HOMESTEAD

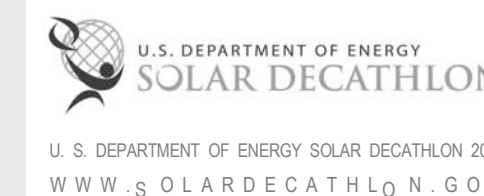


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MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL NOTES & LIST

SHEET NUMBER:

L-001

GENERAL NOTES

1. LANDSCAPE NOTES
 - A. STRAW BALE LANDSCAPING MAY BE RECONFIGURED TO CONFORM TO SOLAR ENVELOP AND TOUR PATH ON SITE AS NECESSARY.
 - B. ALL LIVE VEGITATION WILL BE GROWN AND PLANTED BEFOREHAND.

LANDSCAPE SHEET LIST

SHEET NO.	SHEET NAME
L-001	GENERAL NOTES & LIST
L-101	LANDSCAPE AND PLANTING SITE PLAN
L-102	GROUND COVER PLAN
L-103	OUTDOOR LIGHTING PLAN
L-201	SITE WALL ELEVATIONS
L-401	PLANTING PLAN
L-402	PLANTING PLAN
L-601	LANDSCAPE DETAILS
L-601	PLANTING SCHEDULES
L-602	PLANTING SCHEDULES
L-603	PLANTING SCHEDULES

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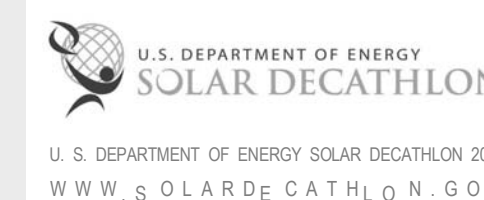
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
LANDSCAPE AND PLANTING SITE PLAN

SHEET NUMBER:

L-101

GENERAL SHEET NOTES

1. ALL BUILDING ELEMENTS TO RESIDE WITHIN COMPETITION DEFINED SOLAR ENVELOPE
2. ALL FOUNDATION AND AUXILIARY ELEMENTS RESIDING ON GRADE SHALL NOT EXCEED THE MAXIMUM ALLOWABLE SOIL LOAD OF 1500PSF.
3. ALL CONSTRUCTION ACTIVITY AND EQUIPMENT USED TO CONFORM TO ALL SECTIONS OF "SITE OPERATIONS" (RULE 4) OF THE CURRENT EDITION OF SOLAR DECATHLON RULES.
4. STRAW BALE GARDEN/EXHIBIT MEADOW IS TEMPORARY FOR PURPOSE OF THE EVENT ONLY.

LANDSCAPE LEGEND

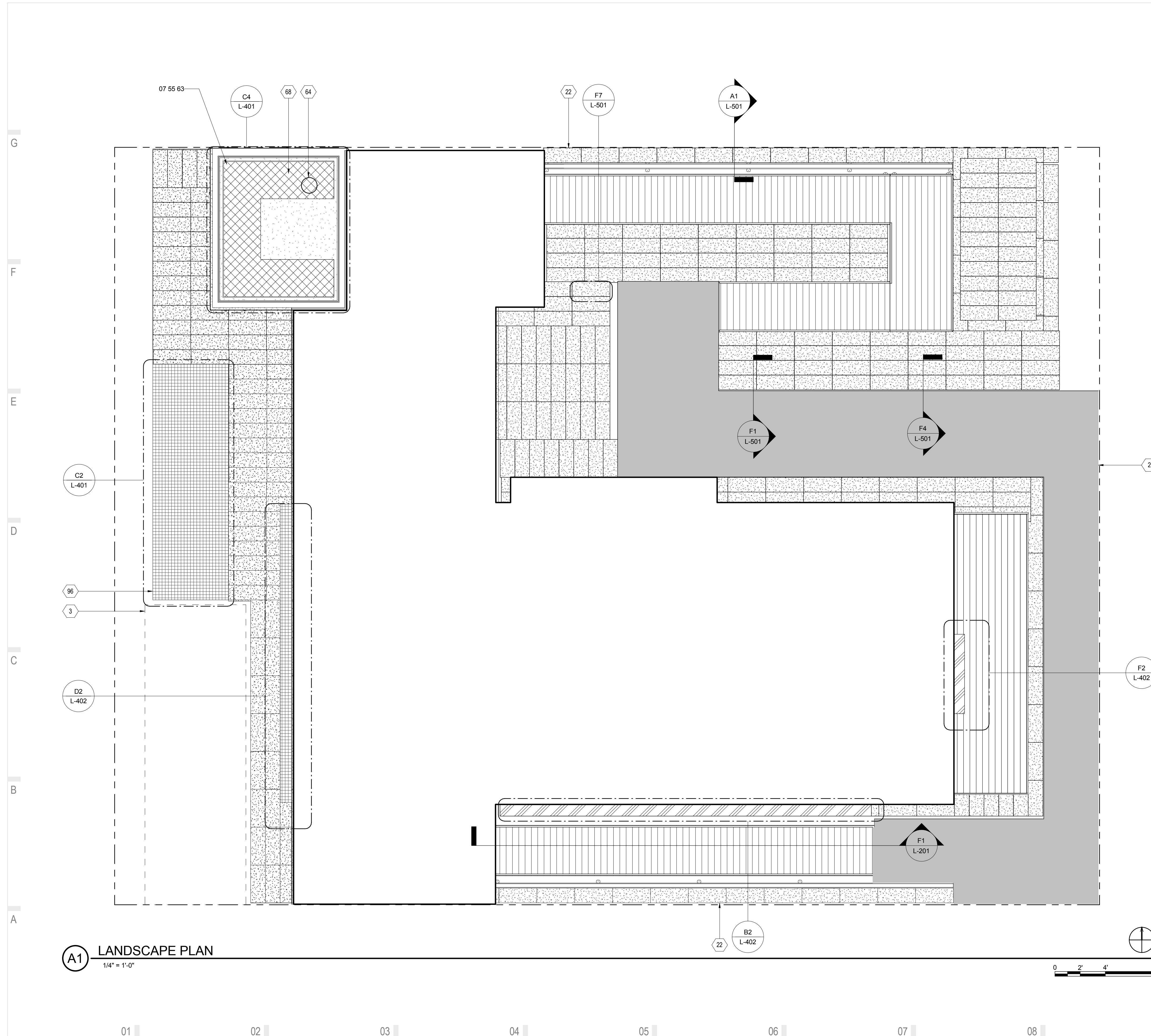
- ROOF GARDEN
- GARDEN
- MEADOW
- FLOWER GARDEN
- ORGANIZER SUPPLIED PAVING
- HOUSE FOOTPRINT
- GRAVEL

REFERENCE KEYNOTES

07 55 63 VEGETATED PROTECTED MEMBRANE ROOFING

SHEET KEYNOTES

- 2 EVENT ORGANIZER PROVIDED WALKWAY MATERIAL TO BE EXTENDED FROM END OF ADA ACCESSIBLE RAMPS TO MAIN WALKWAY.
- 3 CONSTRUCTION STAGING AREA
- 64 WOODEN BENCHES ATTACHED TO STRAW BALES
- 64 BUILT UP PLANTED ROOF OVERFLOW DRAIN
- 68 BUILT UP GREEN ROOF DRAIN
- 96 STRAW BALE GARDEN



A1 LANDSCAPE PLAN

1/4" = 1'-0"



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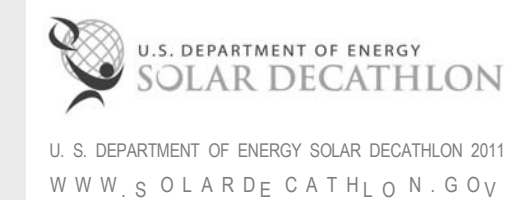


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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
GROUND COVER PLAN

SHEET NUMBER:

L-102

GENERAL SHEET NOTES

1. STRAW BALE GARDEN/EXHIBIT MEADOW IS TEMPORARY FOR PURPOSE OF THE EVENT ONLY.
2. STRAW BALES TO SIT ON FILTER FABRIC.
3. STRAW BALE MODULES TO BE CUT AND FITTED ON SITE AS NEEDED.

LANDSCAPE LEGEND

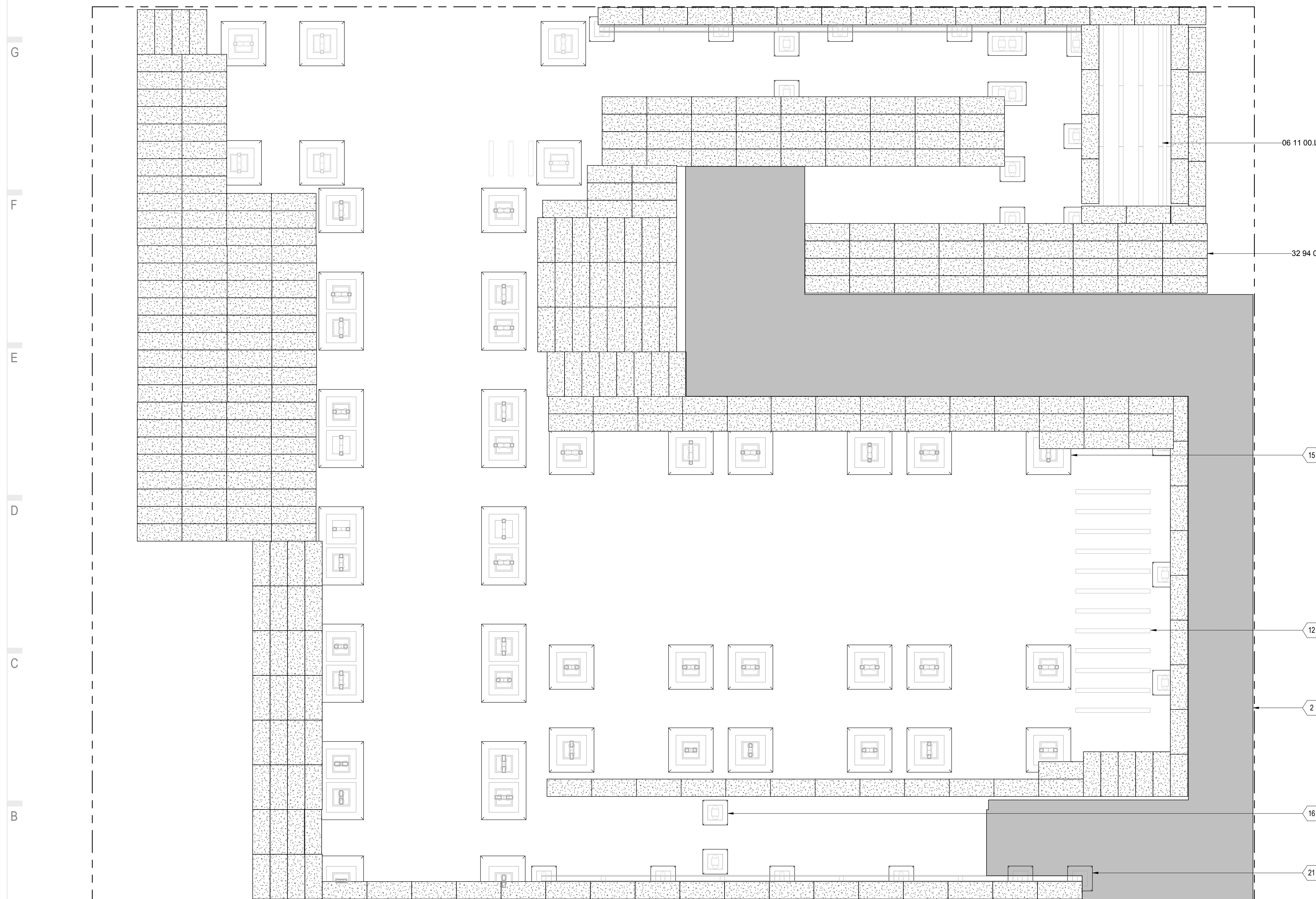
- STRAW BALE GARDEN
- ORGANIZER SUPPLIED PAVING

REFERENCE KEYNOTES

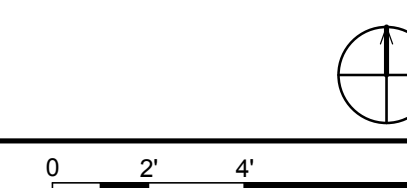
- | | |
|-------------|----------------------|
| 06 11 00.L1 | 4X4 |
| 32 94 00 | PLANTING ACCESSORIES |

SHEET KEYNOTES

- | | |
|----|--|
| 2 | EVENT ORGANIZER PROVIDED WALKWAY MATERIAL TO BE EXTENDED FROM END OF ADA ACCESSIBLE RAMPS TO MAIN WALKWAY. |
| 12 | SLEEPERS FOR WATER TANK SUPPORT |
| 15 | FOUNDATION BEARING PADS |
| 16 | RAMP BEARING PADS |
| 21 | SITE WALL BEARING PAD |



A1 GROUND COVER PLAN
1/4" = 1'-0"



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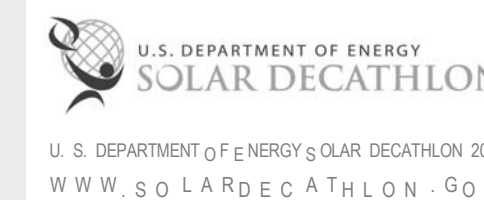


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STATUS: AS-BUILT DRAWINGS

MARK -DA TE - DESCRIPTION

SHEET TITLE:
OUTDOOR LIGHTING PLAN

SHEET NUMBER:

L-103

GENERAL SHEET NOTES

OUTDOOR LIGHTING LEGEND

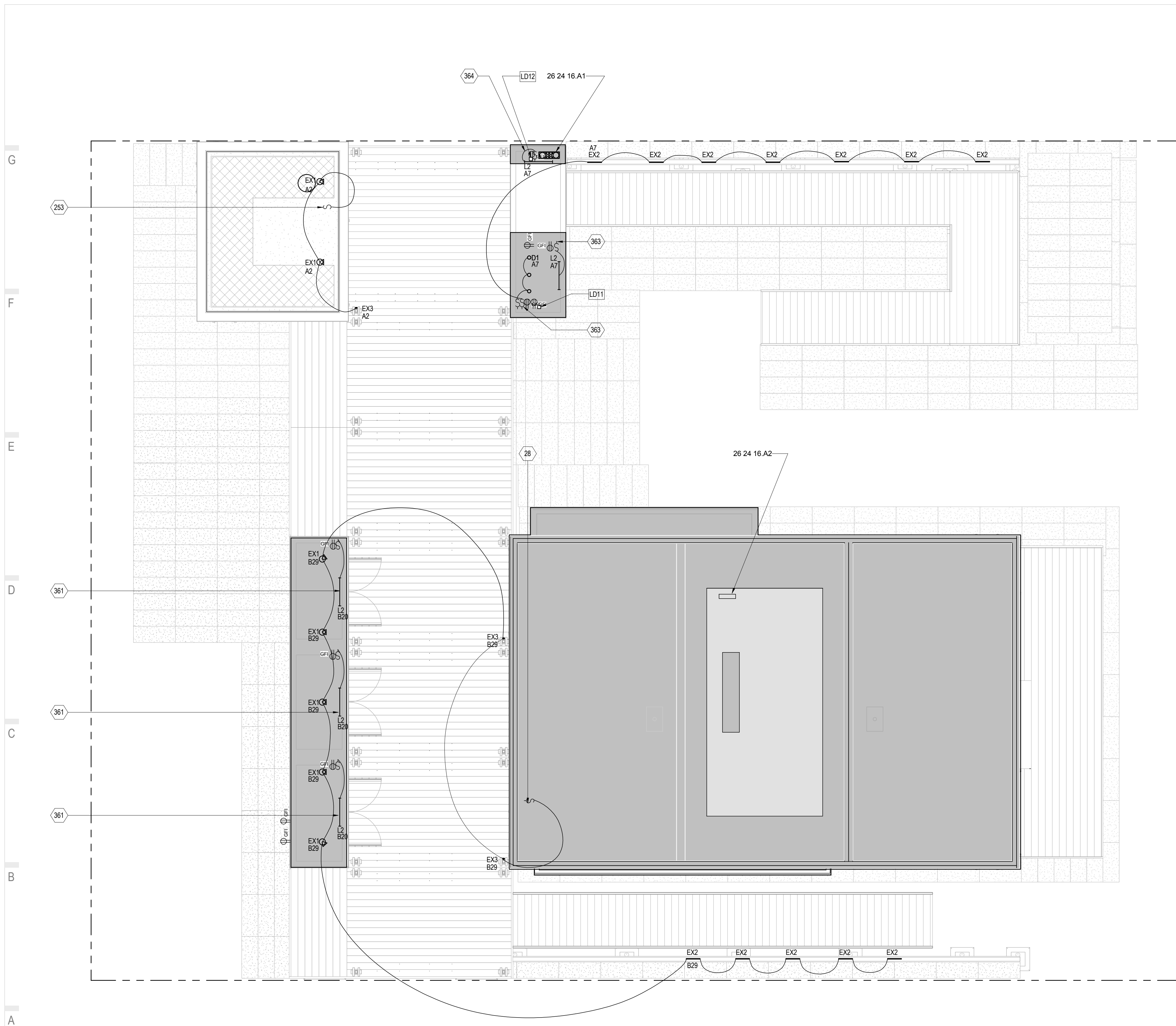
- FLOODLIGHT
X# ← POLE (CIRCUIT)
↑ PANEL ID -SE E SCHEDULE ON SHEET E-604
- UL LISTED PUCK
X# ← POLE (CIRCUIT)
↑ PANEL ID -SE E SCHEDULE ON SHEET E-604
- LIGHT BARS
X# ← POLE (CIRCUIT)
↑ PANEL ID -SE E SCHEDULE ON SHEET E-604

REFERENCE KEYNOTES

- 26 24 16 A1 MAIN PANELBOARD
- 26 24 16 A2 SUB-PANELBOARD

SHEET KEYNOTES

- 28 SWITCH LOCATED IN LIVING SPACE BELOW
- 253 LOCATED IN FLEX SPACE
- 361 LOCATED IN OM CLOSET BELOW
- 363 LOCATED IN KITCHEN OM BELOW
- 364 LOCATED IN ELECTRICAL CLOSET BELOW



A1 OUTDOOR LIGHTING PLAN

1/4" = 1'-0"



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GENERAL SHEET NOTES



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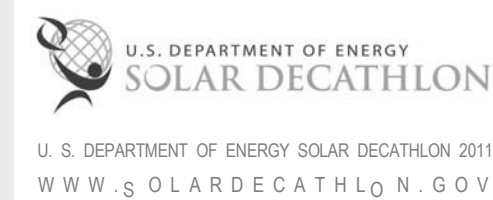
REFERENCE KEYNOTES

06 11 00.A1	BLOCKING
06 11 00.B13	1X12
06 11 00.H1	2X10
06 11 00.L2	4X4 TREATED
06 15 13	WOOD FLOOR DECKING

SHEET KEYNOTES

2	EVENT ORGANIZER PROVIDED WALKWAY MATERIAL TO BE EXTENDED FROM END OF ADA ACCESSIBLE RAMPS TO MAIN WALKWAY.
15	FOUNDATION BEARING PADS

CLIENT:



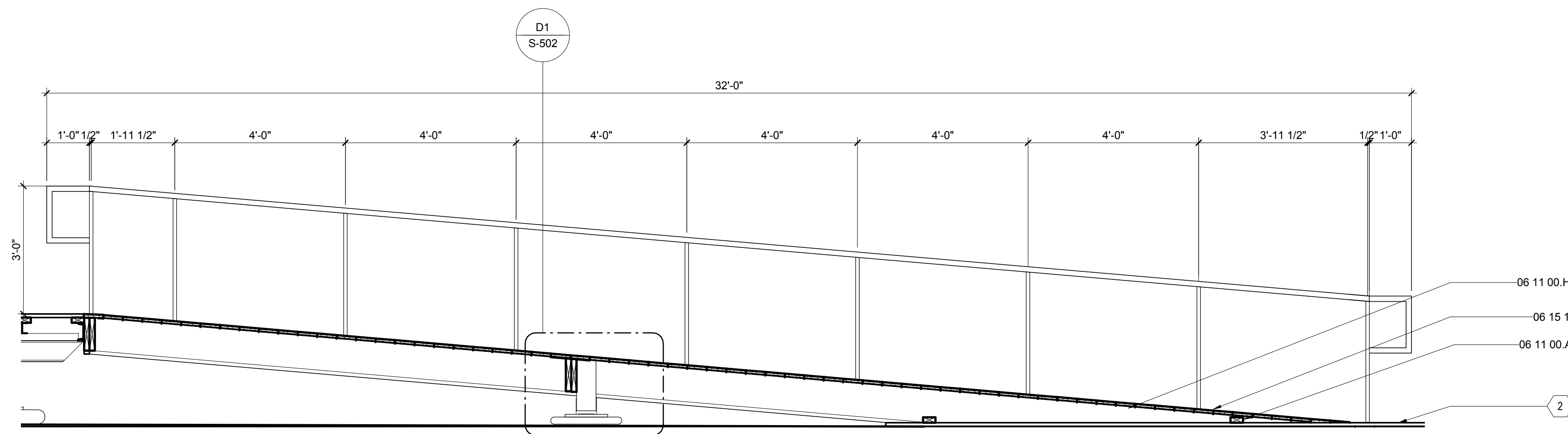
LOT #: 205 | APPST
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 CHECKED BY: KL
 STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

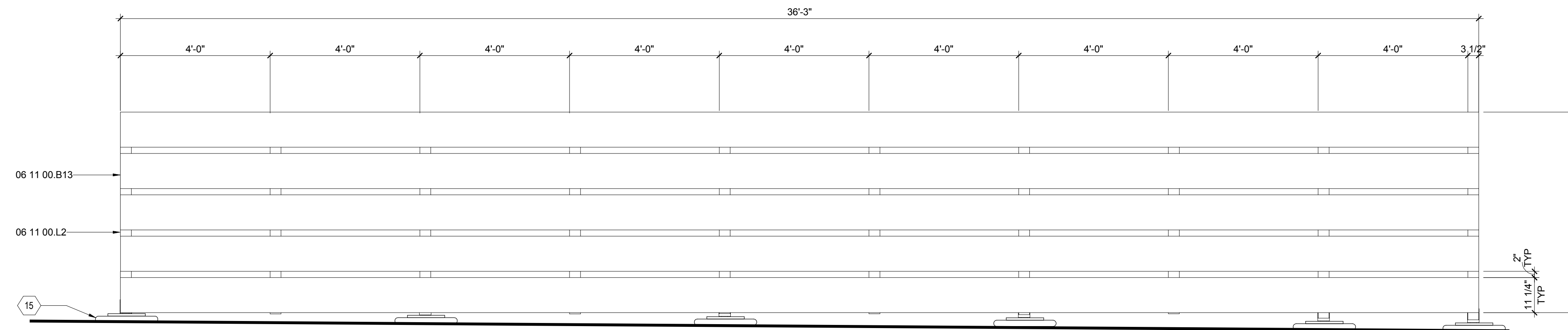
SHEET TITLE:
 SITE WALL ELEVATIONS

SHEET NUMBER:

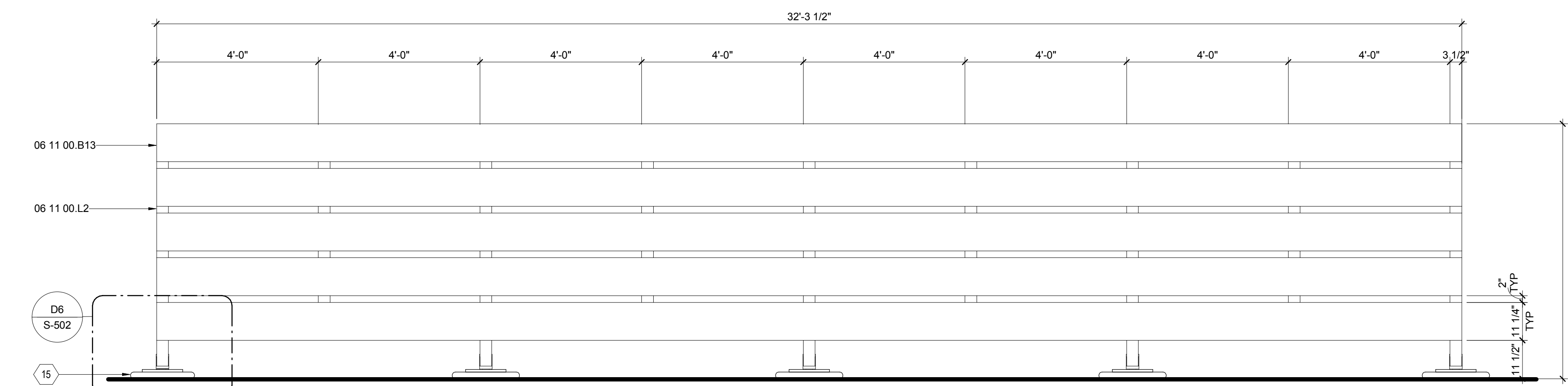
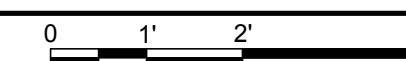
L-201



F1 RAMP SECTION
 1/2" = 1'-0"



South Wall Site Elevation
 1/2" = 1'-0"



A1 NORTH SITE WALL ELEVATION
 1/2" = 1'-0"





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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
PLANTING PLAN




SHEET NUMBER:

L-401

GENERAL SHEET NOTES

1. ALL NUMBERS ARE FROM PLANTING SCHEDULE ON L-105.
2. STRAWBALE GARDEN/EXHIBIT MEADOW IS TEMPORARY FOR PURPOSE OF THE EVENT ONLY.

PLANTING LEGEND

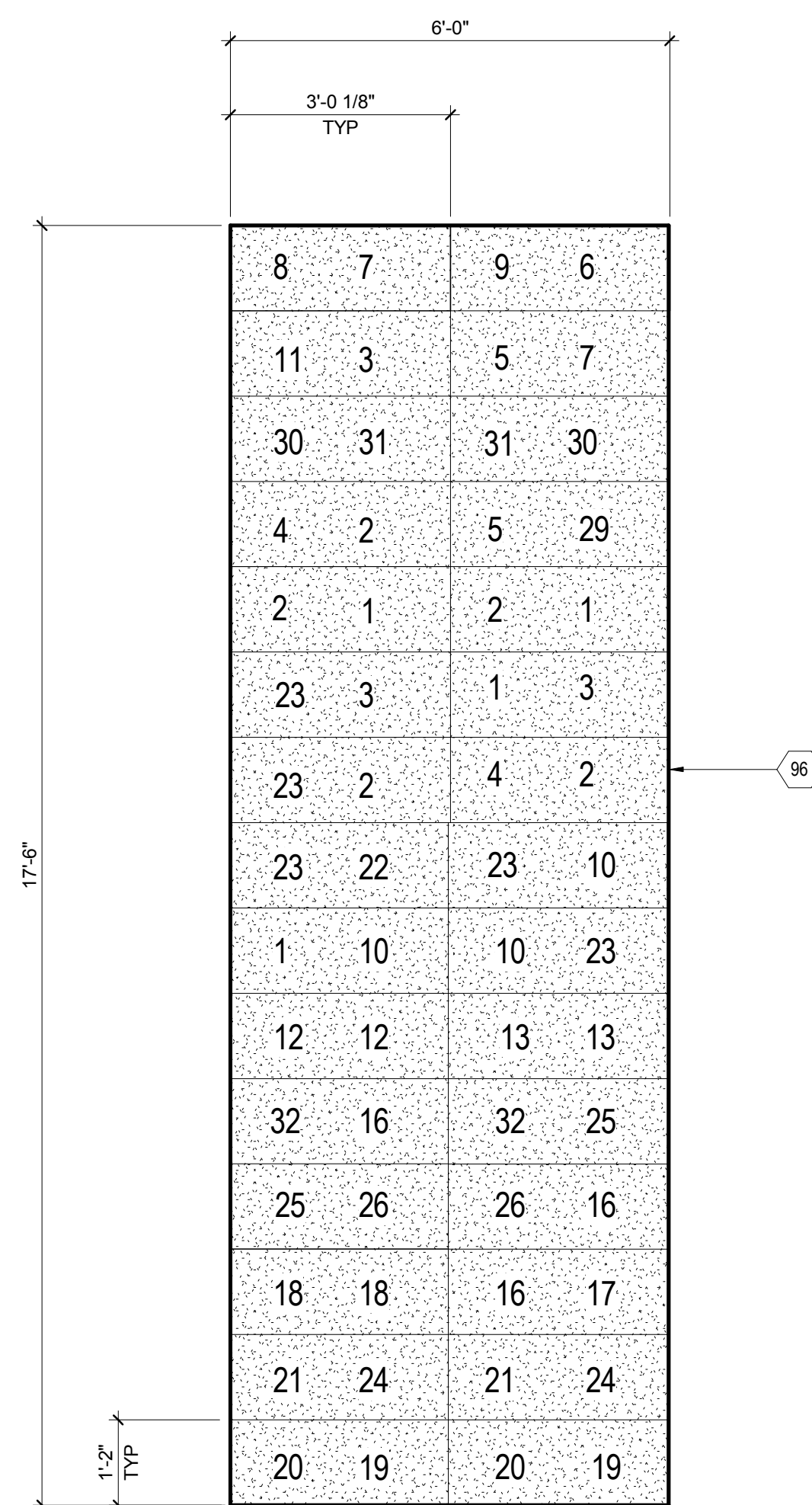
-  STRAW BALE
-  SEDUM MAKINOI
-  SEDUM SARMENTOSUM
-  GRAVEL

REFERENCE KEYNOTES

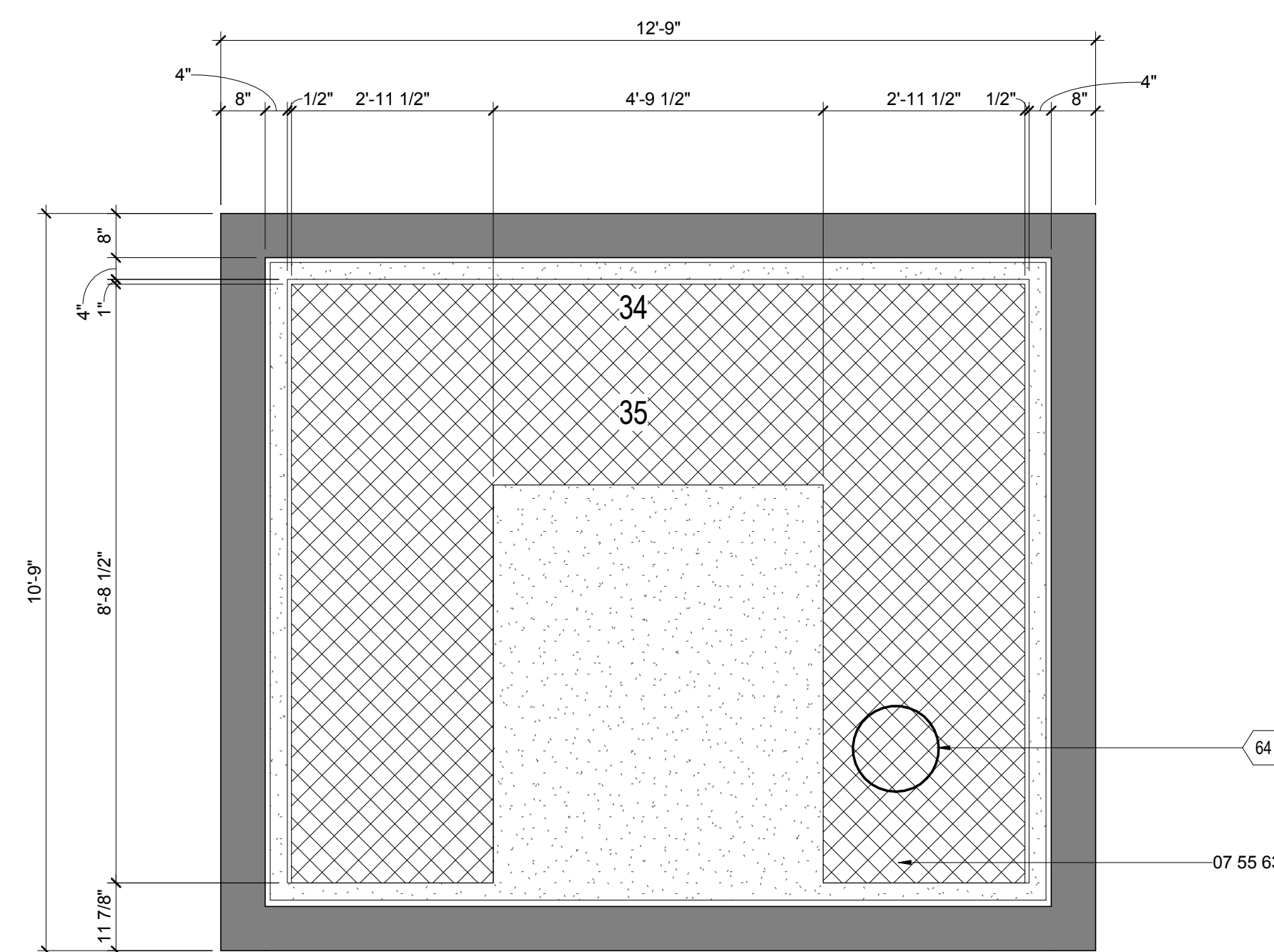
- 07 55 63 VEGETATED PROTECTED MEMBRANE ROOFING

SHEET KEYNOTES

- 64 BUILT UP PLANTED ROOF OVERFLOW DRAIN
- 96 STRAWBALE GARDEN



C2 VEGGIE GARDEN PLAN
1/2" = 1'-0"



C4 GREEN ROOF
1/2" = 1'-0"

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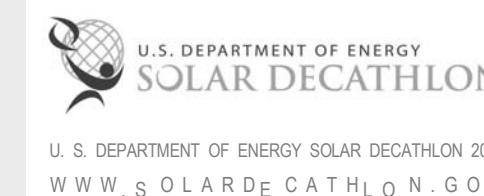


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MARK - DATE - DESCRIPTION

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:

L-402

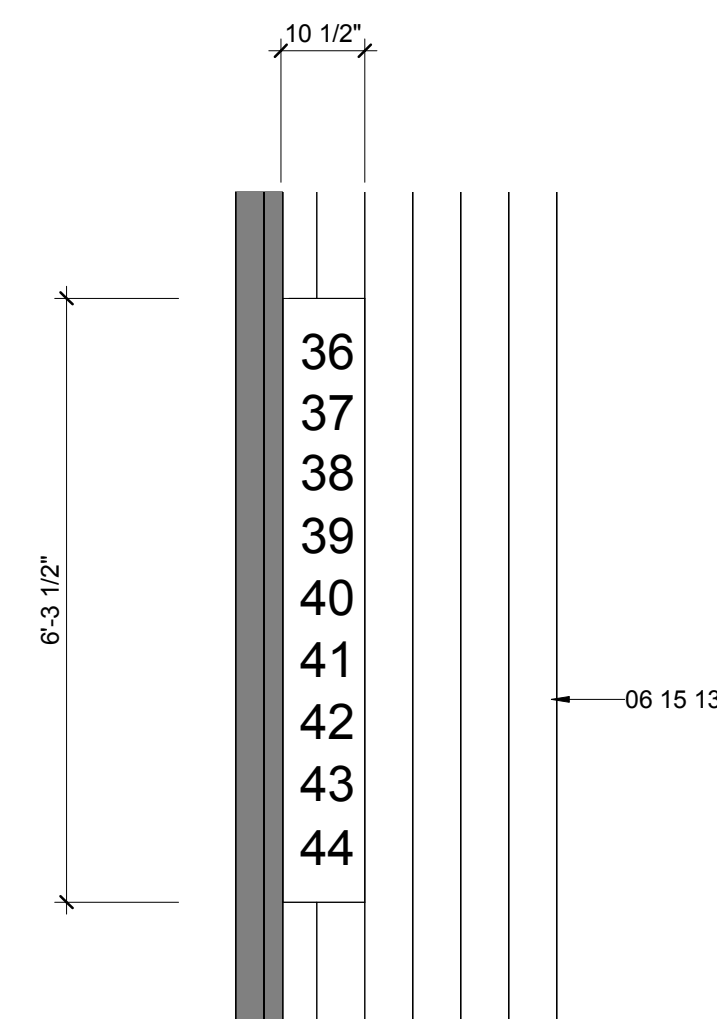
GENERAL SHEET NOTES

1. ALL NUMBERS ARE FROM PLANTING SCHEDULE ON L-105.
2. STRAWBALE GARDEN/EXHIBIT MEADOW IS TEMPORARY FOR PURPOSE OF THE EVENT ONLY.
3. PORCH GARDEN AND FLOWER GARDEN SCATTER THE SPECIFIED FLOWERS THROUGHOUT AREA.

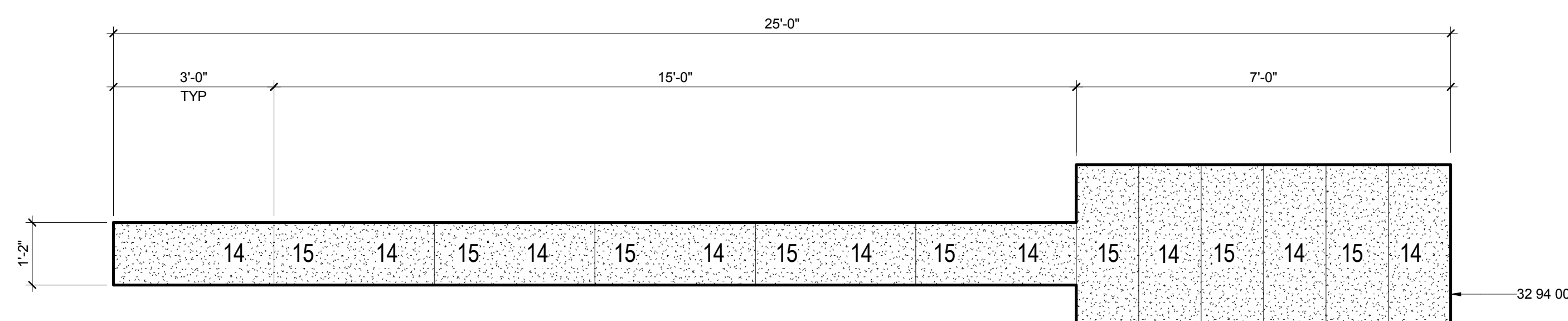
REFERENCE KEYNOTES

06 15 13	WOOD FLOOR DECKING
07 46 23	WOOD SIDING
32 94 00	PLANTING ACCESSORIES

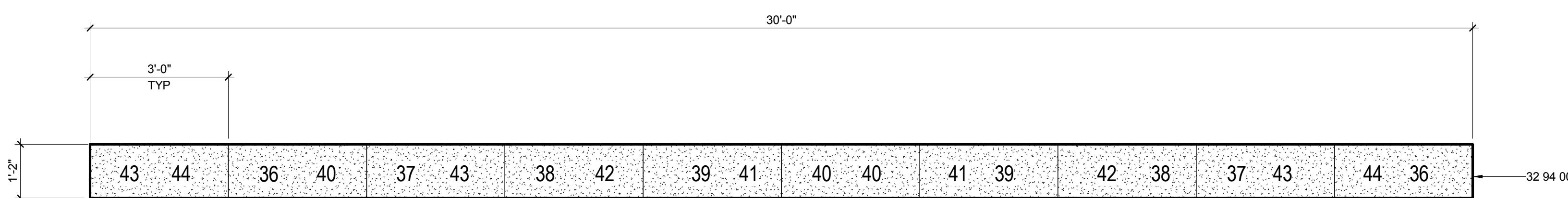
SHEET KEYNOTES



F2 PORCH GARDEN PLAN
1/2" = 1'-0"
0 1' 2' 4'



D2 VERTICAL GARDEN PLAN
1/2" = 1'-0"
0 1' 2' 4'



B2 FLOWER GARDEN PLAN
1/2" = 1'-0"
0 1' 2' 4'

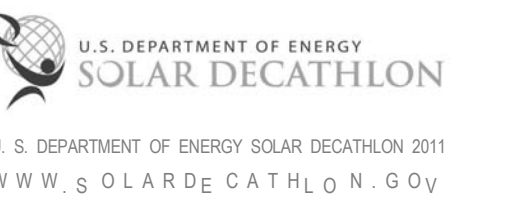


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MARK - DATE - DESCRIPTION

SHEET TITLE:
LANDSCAPE DETAILS

SHEET NUMBER:

L-501

GENERAL SHEET NOTES

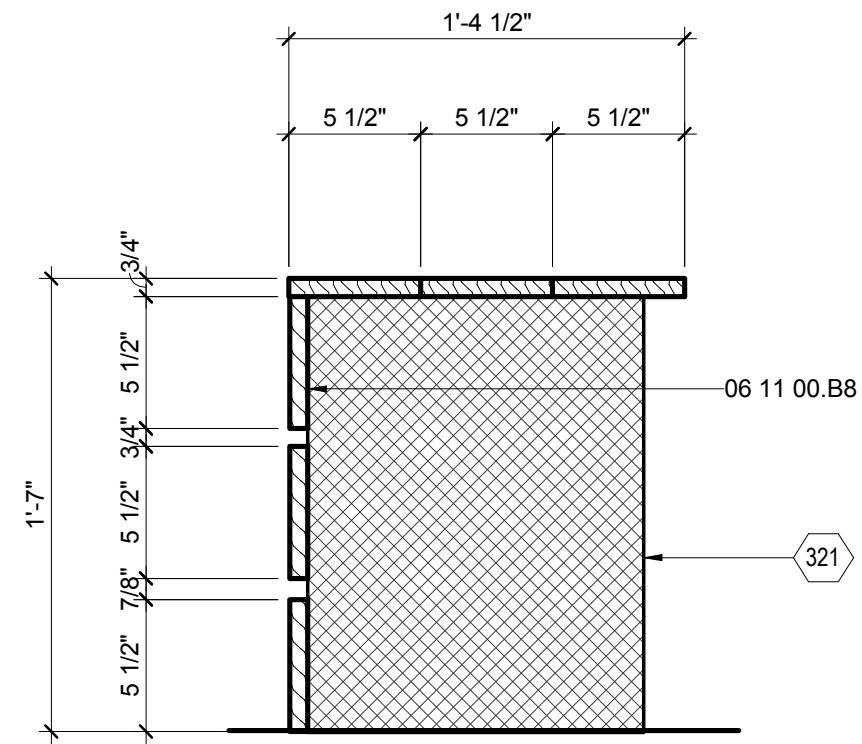
1. STRAW BALE SOIL DEPTH VARIES BETWEEN 6-8 INCHES.

REFERENCE KEYNOTES

05 52 13	PIPE AND TUBE RAILINGS
06 11 00.B8	1X6
06 11 00.B13	1X12
06 11 00.D1	2X4
06 11 00.F1	2X6
06 11 00.I1	2X12
06 11 00.L2	4X4 TREATED
06 15 13	WOOD FLOOR DECKING

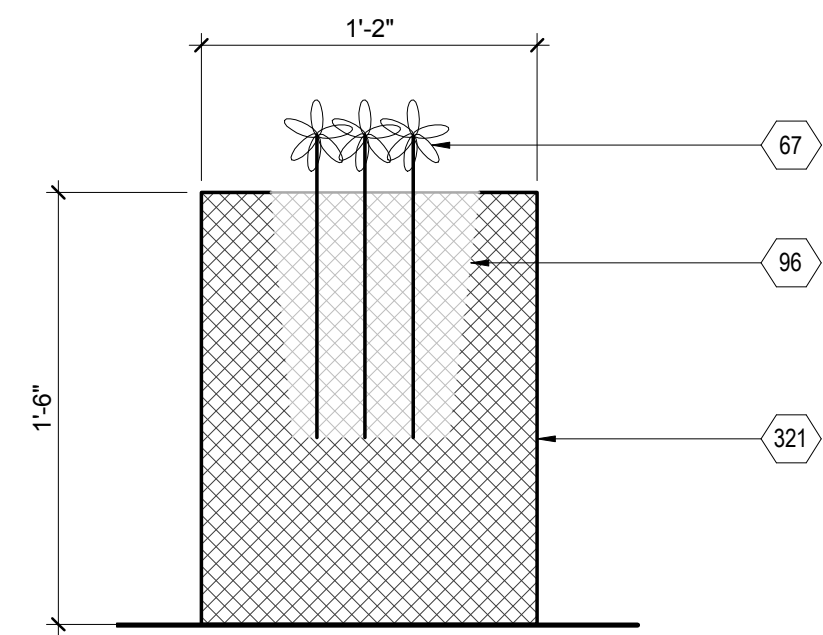
SHEET KEYNOTES

15	FOUNDATION BEARING PADS
67	VEGETABLE GARDEN
96	STRAW BALE GARDEN
321	STRAW BALE LANDSCAPING



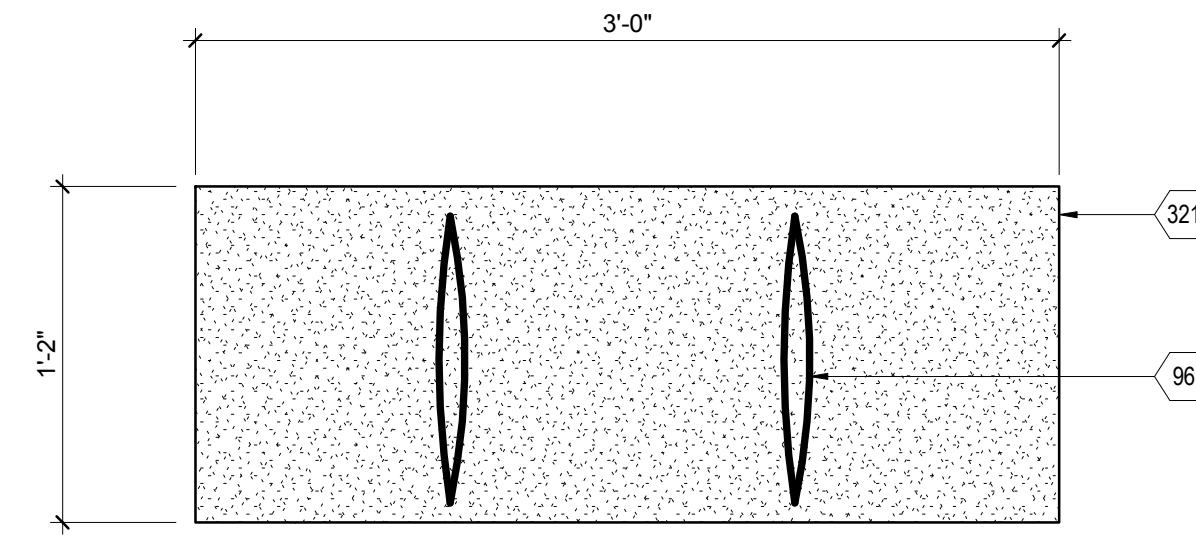
F1 STRAW BALE BENCH SECTION

1 1/2" = 1'-0" 0 1/2" 1' 1 1/2"



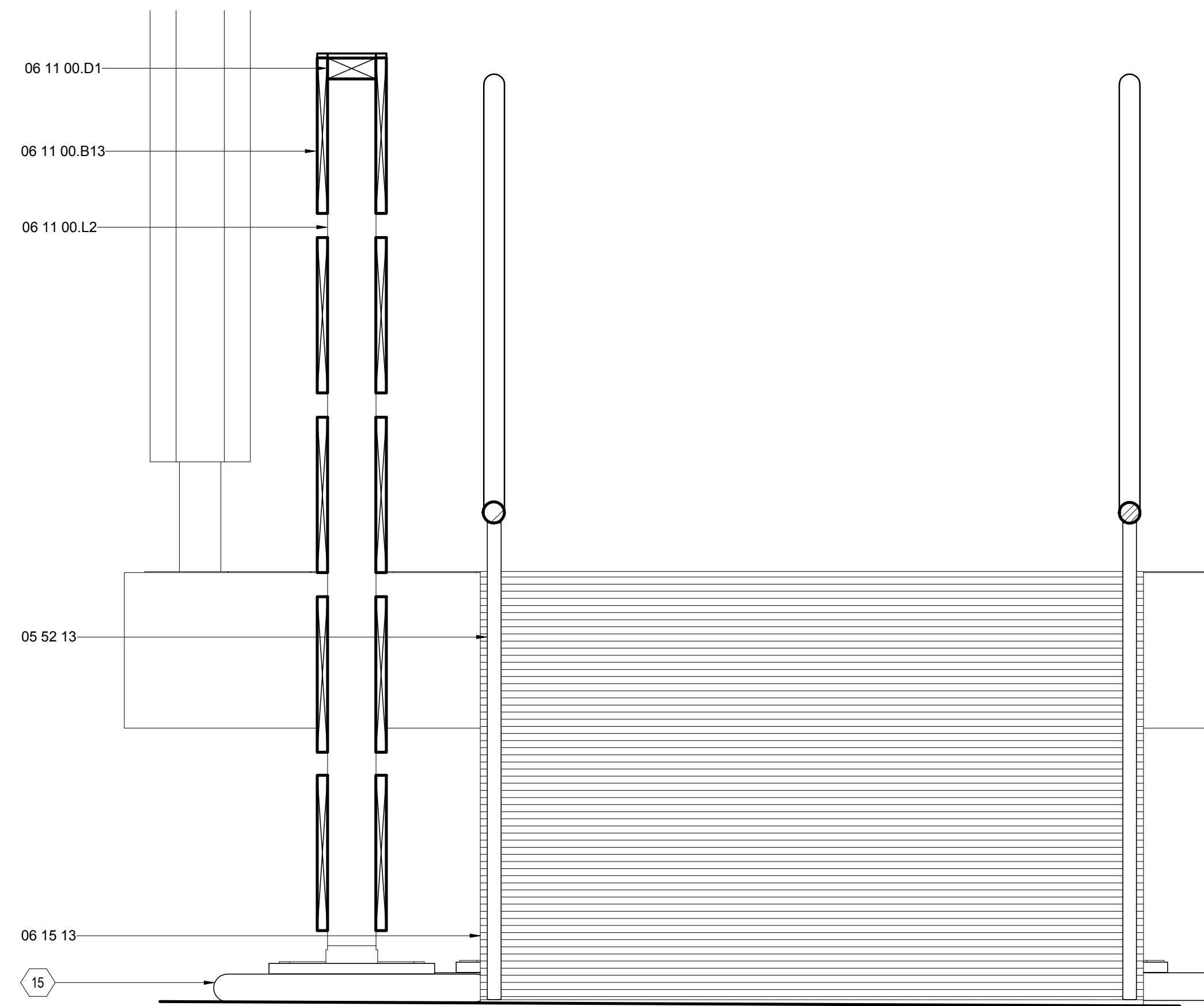
F4 STRAW BALE PLANTER SECTION

1 1/2" = 1'-0" 0 1/2" 1' 1 1/2"



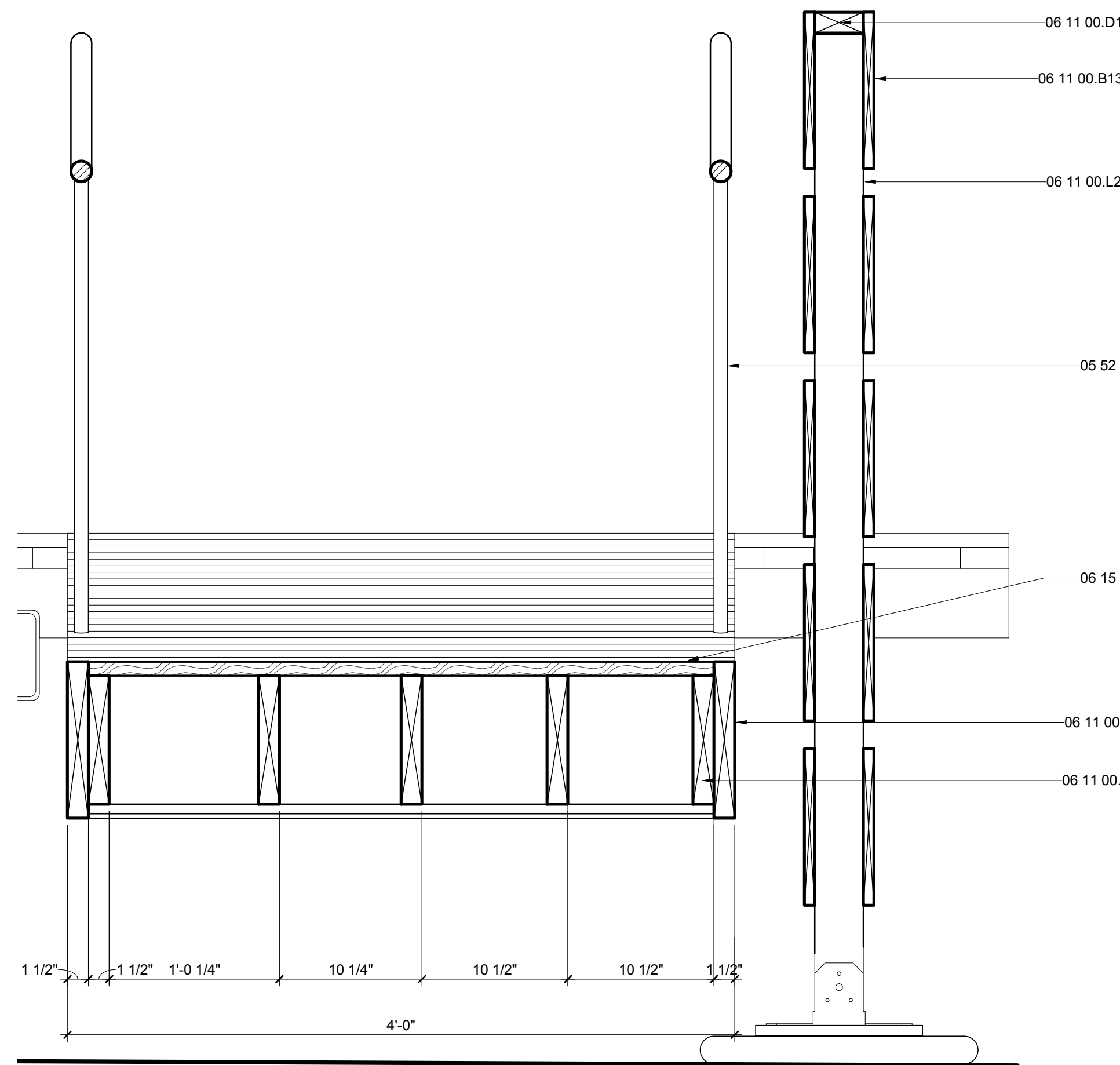
F7 STRAW BALE PLAN DETAIL

1 1/2" = 1'-0" 0 1/2" 1' 1 1/2"



A1 SOUTH SITE WALL SECTION

1 1/2" = 1'-0" 0 1/2" 1' 1 1/2"



A6 NORTH SITE WALL & RAMP SECTION

1 1/2" = 1'-0" 0 1/2" 1' 1 1/2"

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PLANT SCHEDULE						
MARK	PLANT	LOCATION	COMMENTS	SHEET	VIEW	NOTES
1	BASIL	VEGGIE GARDEN	REMEDY FOR VOMITTING	L-106	D2	MIXTURE OF RED RUBIN CINNAMON, AND SWEET BASIL
2	TOMATOES	VEGGIE GARDEN	COMPANION PLANT TO PEPPERS AND BASIL	L-106	C2	MINI ORANGE, GREEN ZEBRA, YELLOW PEAR, AND RUTGERS
3	CHIVES	VEGGIE GARDEN	COMPANION PLANT TO TOMATOES	L-106	A2	
4	YELLOW ONION	VEGGIE GARDEN	COMPANION PLANT TO TOMATOES	L-106	D4	
5	ROSEMARY	VEGGIE GARDEN	COMPANION PLANT TO SAGE	L-106	C4	
6	SAGE	VEGGIE GARDEN	REMEDY FOR COUGHS AND COLDS	L-106	A4	
7	GREEK OREGANO	VEGGIE GARDEN	COMPANION PLANT TO TOMATOES, PEPPERS AND BASIL	L-106	D6	
8	COMMON THYME	VEGGIE GARDEN	REMEDY FOR COUGHS AND COLDS	L-106	C6	
9	DILL	VEGGIE GARDEN	RELIEVES COUGH, COLD, CRAMPING, AND STOMACH PAINS	L-106	A6	
10	TRI-COLORED PEPPERS	VEGGIE GARDEN	COMPANION PLANT TO EACH OTHER	L-106	G8	MIXTURE OF RED, ORANGE, AND GREEN BELL PEPPERS
11	GARLIC	VEGGIE GARDEN	REMEDY FOR DIARRHEA	L-106	F8	
12	SWEET POTATO	VEGGIE GARDEN	AVOID PAIRING WITH TOMATOES AND SUNFLOWERS	L-106	E8	
13	PINK BANANA SQUASH	VEGGIE GARDEN	COMPANION PLANT TO CORN AND BEANS	L-106	D8	
14	YELLOW CORN	VERTICAL GARDEN	COMPANION PLANT TO SUNFLOWERS	L-106	C8	
15	SUNFLOWERS	VERTICAL GARDEN	COMPANION PLANT TO CORN	L-106	A8	
16	GREEN BEANS	VEGGIE GARDEN	COMPANION PLANT TO SPINACH	L-107	G1	
17	BABY LEAF SPINACH	VEGGIE GARDEN	COMPANION PLANT TO BEANS	L-107	F1	
18	MORRIS HEAD COLLARDS	VEGGIE GARDEN	COMPANION PLANT TO RADISHES	L-107	E1	
19	BABY CHOI CABBAGE	VEGGIE GARDEN	RELIEVES BLOAT AND CONSTIPATION	L-107	D1	
20	SCARLET GLOBE RADISH	VEGGIE GARDEN	COMPANION PLANT TO BEANS	L-107	B1	
21	ARUGULA	VEGGIE GARDEN	USED AS AN ALTERNATIVE TO CURE ULCERS	L-107	A1	
22	NASTURTIUM	VEGGIE GARDEN	EDIBLE PLANTS	L-107	G3	
23	MARIGOLDS	VEGGIE GARDEN	INSECT AND WEED DETERRENT	L-107	F3	
24	LETTUCE	VEGGIE GARDEN	IMPROVES THE CIRCULATORY SYSTEM	L-107	E3	
25	BLACK-EYED PEAS	VEGGIE GARDEN	RICH IN FIBER AND PROTEIN	L-107	D3	
26	LIMA BEANS	VEGGIE GARDEN	TREATS STOMACH DISORDERS	L-107	B3	
27	JALEPENO PEPPER	VEGGIE GARDEN	REMEDY FOR JOINT PAIN AND FROST BITE	L-107	A3	
28	THORNLESS BLACKBERRY	VEGGIE GARDEN	ROOT USED AS REMEDY FOR DIARRHEA	L-107	G6	
29	PARSLEY	VEGGIE GARDEN	AIDS KIDNEY STONES AND BLADDER INFECTION	L-107	F6	
30	CILANTRO	VEGGIE GARDEN	AIDS THE DIGESTIVE SYSTEM AND STIMULATES APPETITE	L-107	E6	
31	DWARF STALK OKRA	VEGGIE GARDEN	PROTECTS FROM PIMPLES AND SKIN BLEMISHES	L-107	D6	
32	SEDUM MAKINOI 'OGON'	VEGGIE GARDEN	DROUGHT TOLERANT	L-107	B6	
33	SEDUM SARMENTOSUM	VEGGIE GARDEN	DROUGHT TOLERANT	L-107	A6	
34	SEDUM TERNATUM	VEGGIE GARDEN	DROUGHT TOLERANT	L-107	G8	
35	QUINOA	VEGGIE GARDEN	GOOD SOURCE OF PROTEIN	L-107	F8	
36	LARKSPUR	FLOWER GARDEN		L-107	E8	
37	CHINESE FORGET ME NOT	FLOWER GARDEN		L-107	D8	
38	SULPHUR COSMOS	FLOWER GARDEN		L-107	B8	
39	SWEET SULTAN	FLOWER GARDEN		L-107	A8	
40	CALENDULA	FLOWER GARDEN		L-108	G1	
41	BABY'S BREATH	FLOWER GARDEN		L-108	F1	
42	INDIAN BLANKET	FLOWER GARDEN		L-108	E1	
43	TRICOLOR DAISY	FLOWER GARDEN		L-108	D1	
44	FEATHERED CELOSIA	FLOWER GARDEN		L-108	C1	
45	INDIAN GRASS	MEADOW	ATTRACTS SONGBIRDS	L-108	A1	
46	BROOMSEDGE	MEADOW	DEER RESISTANT	L-108	G3	
47	HEAVY METAL SWITCH GRASS	MEADOW	DEER RESISTANT	L-108	F3	

E2 PLANTING SCHEDULE
NTS



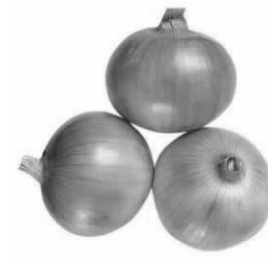
D2 1-BASIL
NTS



C2 2-CHERRY TOMATOES
NTS



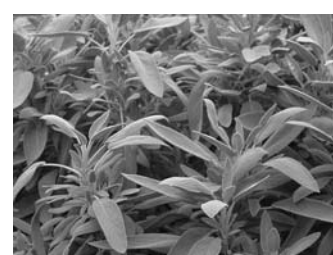
A2 3-CHIVES
NTS



D4 4-YELLOW ONION
NTS



C4 5-ROSEMARY
NTS



A4 6-SAGE
NTS



D6 7-GREEK OREGANO
NTS



C6 8-COMMON THYME
NTS



A6 9 -DILL
1" = 20'-0"



G8 10-TRI-COLOR BELL PEPPER
NTS



F8 11-GARLIC
NTS



E8 12-SWEET POTATOES
NTS



D8 13- PINK BANANA SQUASH
NTS



C8 14-YELLOW CORN
NTS



A8 15-SUNFLOWERS
NTS

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:

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SOLAR DECATHLON
U. S. DEPARTMENT OF ENERGY SOLAR DECATHLON 2011
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CHECKED BY: KL
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
PLANTING SCHEDULES

SHEET NUMBER:

L-601

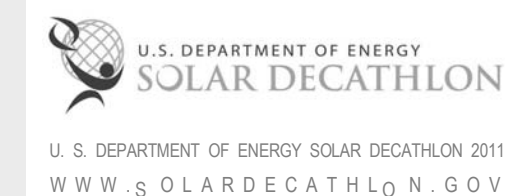


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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DRAWN BY: CR, GB, JA
CHECKED BY: KL
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
PLANTING SCHEDULES

SHEET NUMBER:

L-602

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



G1 16-GREEN BEANS
NTS



G3 22-NASTURTIUM
NTS



G6 28-THORNLESS BLACKBERRIES
NTS



G8 34- SEDUM TERNATUM
NTS



F1 17-BABY LEAF SPINACH
NTS



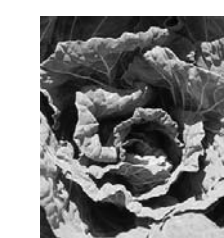
F3 23-MARIGOLDS
NTS



F6 29- PARSLEY
NTS



F8 35- QUINOA
NTS



E1 18-MORRIS HEAD COLLARDS
NTS



E3 24-LETTUCE
NTS



E6 30- CILANTRO
NTS



E8 36-LARKSPUR
NTS



D1 19- BABY CHOI CABBAGE
NTS



D3 25-BLACK-EYED PEAS
NTS



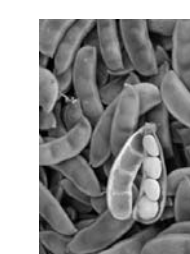
D6 31-DWARF STALK OKRA
NTS



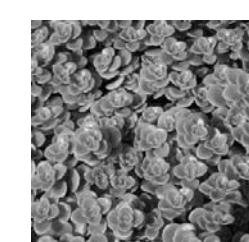
D8 37- CHINESE FORGET ME NOT
NTS



B1 20-SCARLET GLOBE RADISHES
NTS



B3 26- LIMA BEANS
NTS



B6 32-SEDUM MAKINOI 'OGON'
NTS



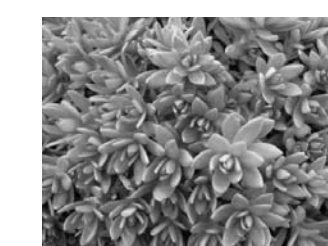
B8 38- SULPHUR COSMOS
NTS



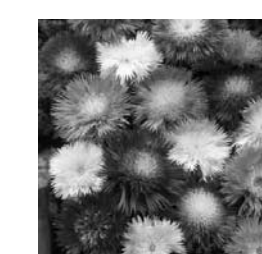
A1 21- ARUGALA
NTS



A3 27-JALAPENO PEPPER
NTS



A6 33-SEDUM SARMENTOSUM
NTS



A8 39- SWEET SULTAN
NTS

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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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MARK - DATE - DESCRIPTION

SHEET TITLE:
PLANTING SCHEDULES

SHEET NUMBER:

L-603

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



G1 40- CALENDULA
NTS



G3 46- BROOMSEEDGE
NTS



F1 41- BABYS BREATH
NTS



F3 47- HEAVY METAL SWITCH GRASS
NTS



E1 42- INDIAN BLANKET
NTS



D1 43- TRICOLOR DAISY
NTS



B 44- FEATHERED CELOSIA
NTS



A1 45- INDIAN GRASS
NTS

G

F

E

D

C

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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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WWW.THE SOLARHOMESTEAD.ORG



IONCON PLLC P-0820
PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
(828) 264-8500

CLIENT:



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SHEET TITLE:
GENERAL NOTES & SYMBOLS

SHEET NUMBER:

S-001

STRUCTURAL SHEET LIST
SHEET NO SHEET NAME

S-001	GENERAL NOTES & SYMBOLS
S-101	FOUNDATION PLAN
S-102	STEEL FLOOR FRAMING PLAN
S-103	WOOD FRAMING PLAN
S-104	ROOF FRAMING PLAN
S-105	OM CANOPY FRAMING PLANS
S-106	FLEX OM CANOPY FRAMING PLANS
S-107	LATERAL BRACING PLAN
S-501	TRAILER BEARING DETAILS
S-502	SITE BEARING DETAILS
S-503	LATERAL BRACING PLAN DETAILS
S-504	LATERAL BRACING SIDE DETAILS

STEEL ERECTION

- VERIFY FIELD MEASUREMENTS PRIOR TO START OF ERECTION. CHECK THE ALIGNMENT AND ELEVATION OF ALL COLUMN SUPPORTS AND LOCATION OF ALL ATTACHMENTS WITH TRANSIT AND LEVEL INSTRUMENTS BEFORE STARTING ERECTION. NOTIFY ARCHITECT OF ANY ERRORS. OBTAIN ARCHITECT'S APPROVAL OF METHODS PROPOSED FOR CORRECTING ERRORS PRIOR TO PROCEEDING WITH CORRECTIONS AND ERECTION.
- COLUMNS SHALL BE SUPPORTED AND ALIGNED ON STEEL WEDGES OR SHIMS. AFTER THE MEMBERS HAVE BEEN PLUMBED AND PROPERLY POSITIONED BY INSTRUMENT THE ENTIRE BEARING SURFACE SHALL BE FULLY FILLET WELDED.
- STRUCTURAL STEEL SHALL BE ERECTED TRUE AND LEVEL, AND TEMPORARY BRACING SHALL BE INTRODUCED WHEREVER NECESSARY TO PROVIDE FOR ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING EQUIPMENT AND THE OPERATION THEREOF. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY. NO WELDING SHALL BE DONE UNTIL STRUCTURAL STEEL HAS BEEN PROPERLY ALIGNED.
- COMPLY WITH AISC CODE AND SPECIFICATIONS AND MAINTAIN WORK IN A SAFE AND STABLE CONDITION DURING ERECTION. PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED; REMOVE WHEN FINAL CONNECTIONS ARE PLACED.
- SPLICE MEMBERS ONLY WHERE SHOWN ON FINAL SHOP DRAWINGS
- CLEAN ALL FIELD WELDS, BOLTED CONNECTIONS AND ABRADED AREAS AND APPLY A RUST INHIBITIVE COATING.

FOUNDATION SYSTEM

- BEARING PAD FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING MAXIMUM LOAD OF 1500 PSF AND BE IN ACCORDANCE WITH SOLAR DECATHLON BUILDING CODES AND RULES.
- FOUNDATION PADS SHALL BE ADJUSTED TO PROVIDE A LEVEL BEARING SURFACE FOR SCISSOR JACKS.
- SCISSOR JACKS SHALL BE OF SUFFICIENT QUALITY AND POSITIONED TO CARRY NO MORE THAN 7500 LBS EACH.

INSPECTIONS

- INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED LICENSE STRUCTURAL ENGINEER FOR THE FOLLOWING ITEMS:
 - A. WELDING
 - B. HIGH STRENGTH BOLTING
 - C. JACK FOUNDATIONS AND BEARING PAD ASSEMBLIES
 - D. QUALITY CONTROL OF MANUFACTURED STRUCTURAL ASSEMBLIES
 - E. STABILITY OF BUILDING CONSTRUCTION
 - F. TRAILER AXLE LOAD RATINGS
- INSPECTING PARTY SHALL FILE ALL APPROPRIATE FORMS WITH THE BUILDING DEPARTMENT IF REQUIRED.

PLYWOOD SHEATHING

- PROVIDE PLYWOOD SHEATHING COMPLYING WITH APA-GRADE STAMPED AND SHALL NOT EXCEED THE SPANS INTENDED FOR USE ON THE STAMP. ALL PLYWOOD SHALL BE MADE WITH EXTERIOR GLUE AND SHALL BE OF THE FOLLOWING THICKNESS AND ASSEMBLY.
 - FLOORS @ HOUSE AND FLEX OM: 3/4"-TWO LAYERS, CROSS LAID
 - EXTERIOR WALLS @ HOUSE: 5/8"
 - EXTERIOR WALLS @ FLEX: 3/4"
 - WALLS @ OM CLOSETS AND FLEX KITCHEN: 3/4" EXTERIOR GRADE
 - ROOFS: 3/4"
- ALL PLYWOOD SHALL BE SCREWED TO STEEL TRAILER JOISTS AND THE SECOND LAYER SHOULD BE GLUED AND SCREWED TO PREVIOUS.

ENGINEERED WOOD PRODUCTS

- WOOD TRUSSES: PROVIDE ENGINEERED WOOD TRUSSES, SIZE AND SERIES AS SHOWN, AS MANUFACTURED BY DELTEC HOMES AND DESIGNED BY TRENCO, OR APPROVED EQUAL. INSTALL IN COMPLIANCE WITH THE MANUFACTURER'S STANDARD RECOMMENDATIONS AND DETAILS, INCLUDING CONSTRUCTION BRACING, MINIMUM BEARING LENGTHS, WEB STIFFENERS, SQUASH BLOCKS, BLOCKING, ETC.
- RIM BOARDS: PROVIDE CONTINUOUS 1 1/2" RIMBOARDS. RIMBOARDS SHALL BE OF MINIMUM SPRUCE-PINE-FIR #2. INSTALL IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AT THE PERIMETER OF WOOD TRUSSES.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
 - A. AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS," LATEST EDITION.
 - B. THE AMERICAN WELDING SOCIETY (AWSD1.1) "CODE FOR WELDING IN BUILDING CONSTRUCTION," LATEST EDITION.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
 - A. WIDE FLANGE BEAMS, COLUMNS AND STRUCTURAL TEES: ASTM A992
 - B. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B
 - C. CHANNELS, ANGLES AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED
- STEEL CONNECTIONS SHALL BE STANDARD AISC FRAMED BEAM CONNECTIONS.
 - A. FOR NON-COMPOSITE MEMBERS, PROVIDE CONNECTIONS BASED ON REACTION AS DETERMINED FROM AISC UNIFORM LOAD TABLE. (UNLESS OTHERWISE NOTED ON PLANS).
 - B. REINFORCING IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW THAT IS REQUIRED TO SUSTAIN THE REACTION. FLANGES AND WEB ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN THE CONNECTION IS INADEQUATE.
 - C. CONNECTIONS SHALL BE DESIGNED FOR SHEAR AND ECCENTRICITY, CONSIDERING THAT THE CONNECTION IS AN EXTENSION OF THE BEAM AND GIRDERS.
- ALL BEAMS EXCEPT CANTILEVER BEAMS SHALL BE FABRICATED WITH NATURAL CHAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED THAT NATURAL CHAMBER RISES AT CANTILEVER END.
- WELDING SHALL BE PERFORMED BY CERTIFIED LICENSED WELDERS AND ARE AWS QUALIFIED. WELDING ELECTRODES SHALL BE ASTM 233, CLASS E70XX (USE LOW HYDROGEN ELECTRODES FOR A572, GRADE 50 STEEL).
- SHOP PRIME ALL STEEL MEMBERS WITH TNEC #10-99 PER MANUFACTURER'S SPECIFICATIONS.
- SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

GENERAL NOTES

- ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING ALL APPLICABLE BUILDING CODES.
- CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, SHEETING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR, WHOM SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.
- DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN, CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENTS AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER ON RECORD FOR HIS EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.

FRAMING LUMBER

- ALL FRAMING SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS (WHEN INFORMATION CONFLICTS, MORE CONSERVATIVE APPROACH SHALL GOVERN):
 - A. AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, "TIMBER CONSTRUCTION MANUAL," LATEST EDITION.
 - B. NATIONAL FOREST PRODUCTS ASSOCIATION "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION," LATEST EDITION.
 - C. NATIONAL FOREST ASSOCIATION "WOOD CONSTRUCTION MANUAL," LATEST EDITION.
 - D. NORTH CAROLINA STATE RESIDENTIAL CODE.
- SAWN LUMBER SHALL HAVE EACH PIECE GRADE STAMPED, SHALL BE SURFACED DRY (EXCEPT STUDS WHICH SHALL BE KILN DRIED), AND SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE OR BETTER:
 - RAFTERS AND JOISTS: SPRUCE-PINE-FIR #2
 - BEAMS, GIRDERS AND HEADERS: SPRUCE-PINE-FIR #2
 - POST AND TIMBER: SPRUCE-PINE-FIR #2
 - STRINGERS: SPRUCE-PINE-FIR #2
 - STUDS: SPRUCE-PINE-FIR #2
- TIMBER LUMBER SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE:
 - POST AND TIMBER: SPRUCE-PINE-FIR #2 TREATED
- PRESERVATIVE TREATED WOOD: PROVIDE TREATED LUMBER COMPLYING WITH THE AWPS-2 WHERE NOT ENCLOSED IN CONDITION SPACE.
- ALL WOOD FRAMING INCLUDING DETAILS FOR BRIDGING, BLOCKING, FIRE STOPPING, ETC. SHALL CONFORM TO THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND ITS SUPPLEMENTS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NFPA "MANUAL FOR HOUSE FRAMING".
- FASTENINGS SHALL BE IN ACCORDANCE WITH THE MOST RESTRICTIVE OF: THE INTERNATIONAL BUILDING CODE (LATEST EDITION), THE 1992 CABO FOR 1 AND 2 FAMILY DWELLINGS, THE MANUFACTURERS RECOMMENDED FASTENING, OR THE SOLAR DECATHLON BUILDING CODE AND RULES.
- ALL FLUSH FRAMED CONNECTIONS SHALL BE MADE WITH APPROVED GALVANIZED STEEL JOIST OR BEAM HANGERS, MINIMUM 18 GAGE, INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS. PROVIDE TOP MOUNTED JOIST HANGERS APPROPRIATE FOR THE SIZE OF SUPPORTED MEMBER (UNLESS OTHERWISE NOTED) BY SIMPSON OR EQUAL.
- WHERE SINGLE TOP PLATE IS USED ALL RAFTERS AND JOISTS SHALL ALIGN DIRECTLY WITH STUDS BELOW AND WALL CORNER JOINTS ARE TO BE FASTENED WITH SIMPSON CORNER TIE OR EQUAL.
- AT THE ENDS OF ALL BEAMS, HEADERS AND GIRDERS PROVIDE A BUILT UP OR SOLID POST WHOSE WIDTH IS AT LEAST EQUAL TO WIDTH OF THE MEMBER IT IS SUPPORTING AND WHOSE DEPTH IS 4" (NOM.) AT INTERIOR WALLS AND 6" (NOM.) AT EXTERIOR WALLS.
- USE DOUBLE TRIMMERS AND HEADERS AT ALL FLOOR OPENINGS WHERE BEAMS ARE NOT DESIGNATED.
- PROVIDE SOLID BLOCKING, CROSS BRACING, OR BRIDGING AT A MINIMUM OF 8' O.C.
- BUILT UP BEAMS LESS THAN 8" DEEP SHALL BE SPIKED OR SCREWED TOGETHER WITH 2-16D NAILS OR 3" SCREWS @ 16" O.C. BUILT UP BEAMS GREATER THAN 8" DEEP SHALL BE SPIKED OR SCREWED TOGETHER WITH 3-16D NAILS @ 16" O.C.
- NO NEW OR EXISTING JOISTS SHALL BE CUT OR NOTCHED WITHOUT APPROVAL.
- WHERE CANTILEVERED BEAMS ARE INDICATED, THE FOUR CONNECTIONS SHALL BE CAPABLE OF RESISTING AN UPLIFT OF 1000 LBS, MINIMUM, UNLESS NOTED OTHERWISE.



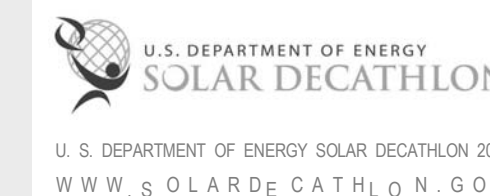
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WWW.THESOLARHOMESTEAD.ORG



IONCON PLLC P-0820
PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
(828) 264-8500

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LOT #: 205 | APPST
DRAWN BY: JA
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
FOUNDATION PLAN

SHEET NUMBER:

S-101

GENERAL SHEET NOTES

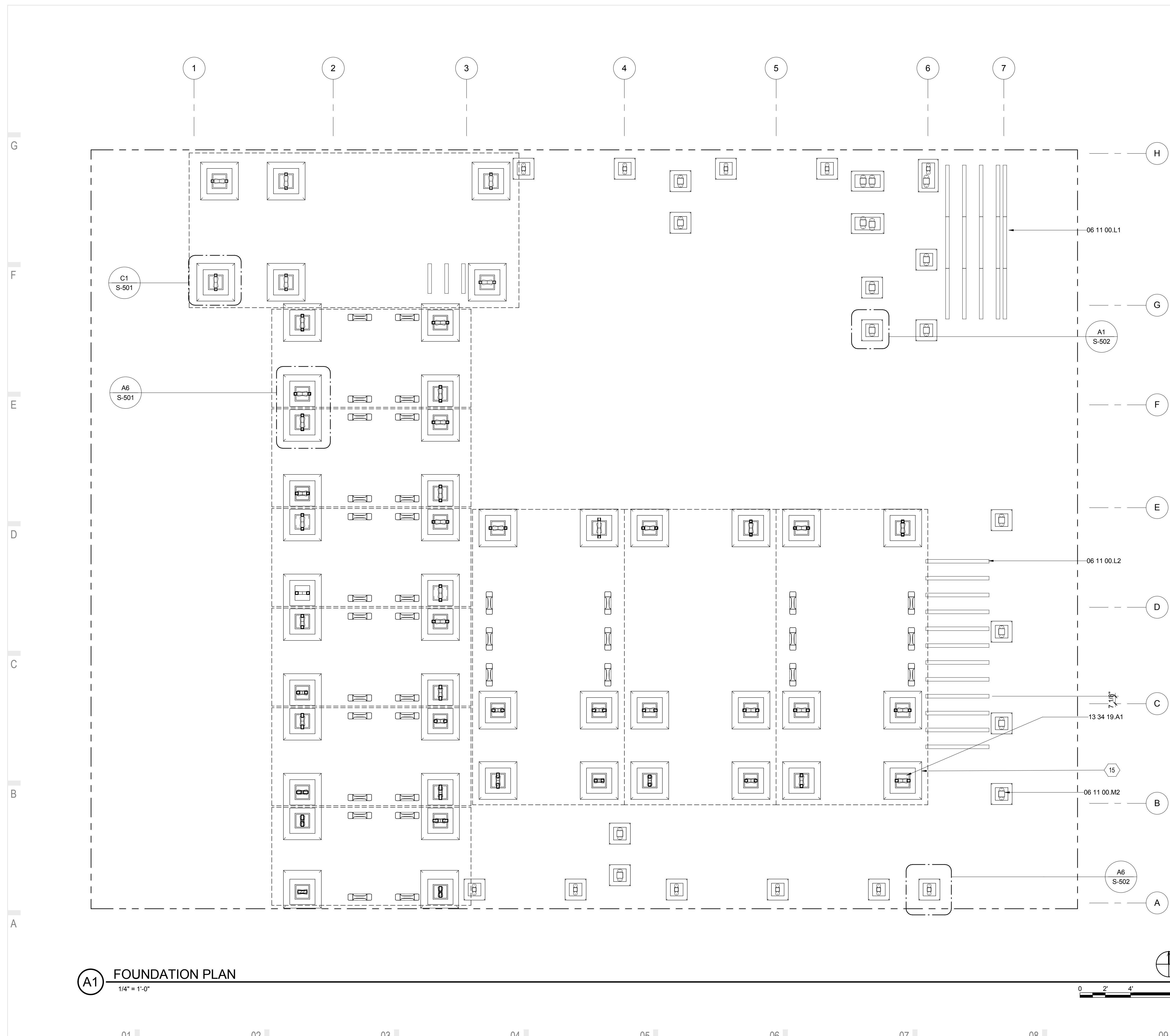
- ENGINEERS STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- ALL FOUNDATION BEARING PADS NOT TO EXCEED THE MAXIMUM SOIL BEARING CAPACITY OF 1500 PSF.
- FOUNDATION BEARING PADS NOT TO EXCEED 1500 PSF

REFERENCE KEYNOTES

06 11 00.L1	4X4
06 11 00.L2	4X4 TREATED
06 11 00.M2	6X6 TREATED POST
13 34 19.A1	MANUFACTURED STEEL TRAILER

SHEET KEYNOTES

15	FOUNDATION BEARING PADS
----	-------------------------



A1 FOUNDATION PLAN
1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10

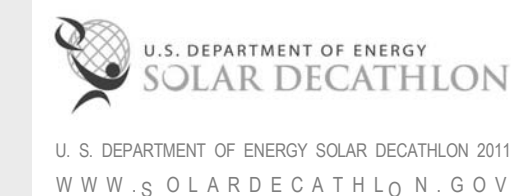


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 APPALACHIAN STATE UNIVERSITY
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 164 SOUTH DEPOT ST
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MARK - DATE - DESCRIPTION

SHEET TITLE:
 STEEL FLOOR FRAMING PLAN

SHEET NUMBER:

S-102

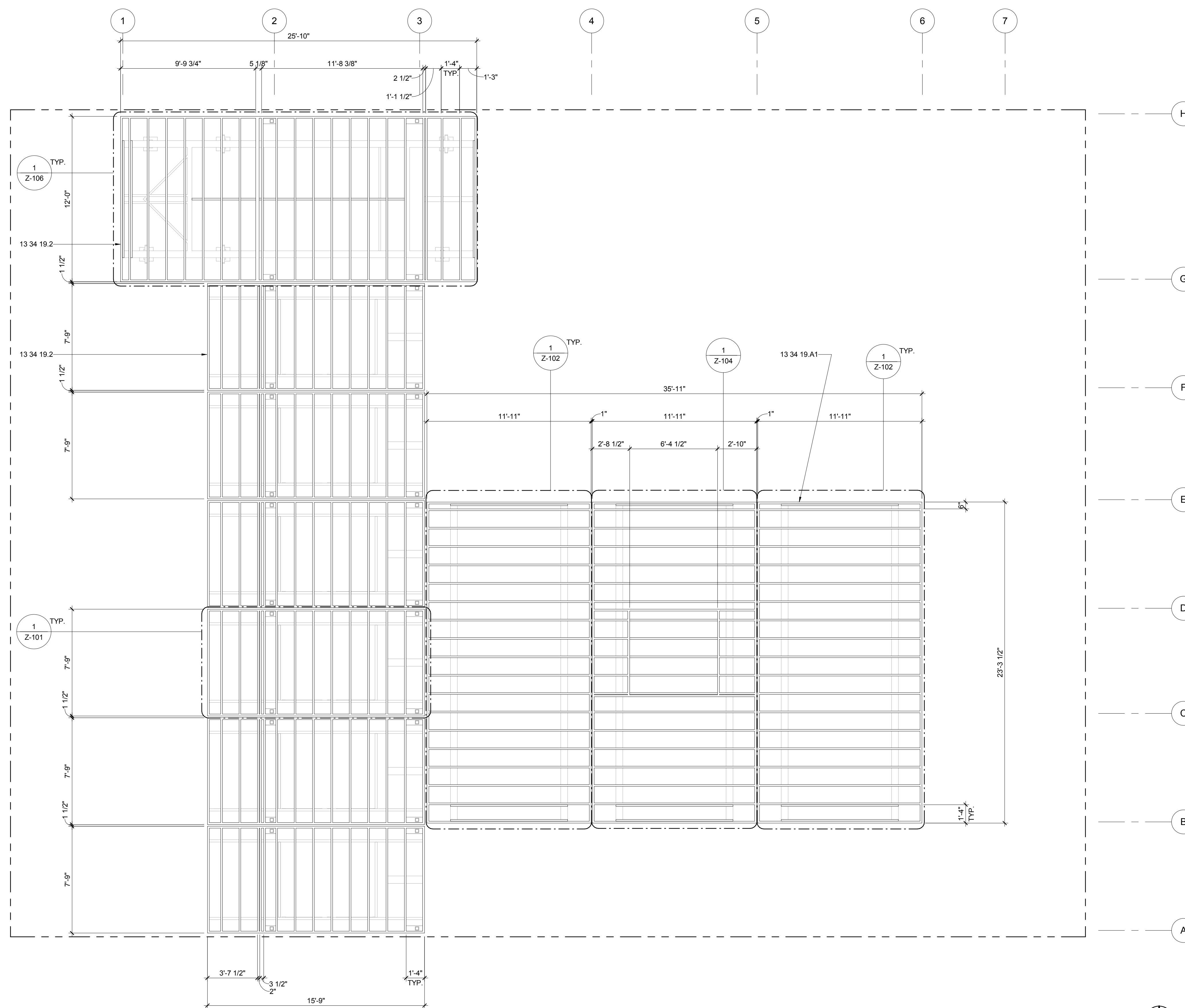
GENERAL SHEET NOTES

- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- ALL STEEL TRAILERS TO MEET REGULATIONS FOR HIGHWAY TRAVEL AND SHALL BE REGISTERED WITH THE N.C. DOT.
- WHEELS AND AXLES TO BE REMOVED FROM AXLES ONCE TRAILERS ARE LEVEL IF REQUIRED.
- REFER TO SHOP DRAWINGS (Z-###) FOR EXACT DIMENSIONS AND DETAILS OF STEEL TRAILERS.

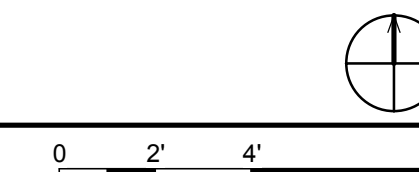
REFERENCE KEYNOTES

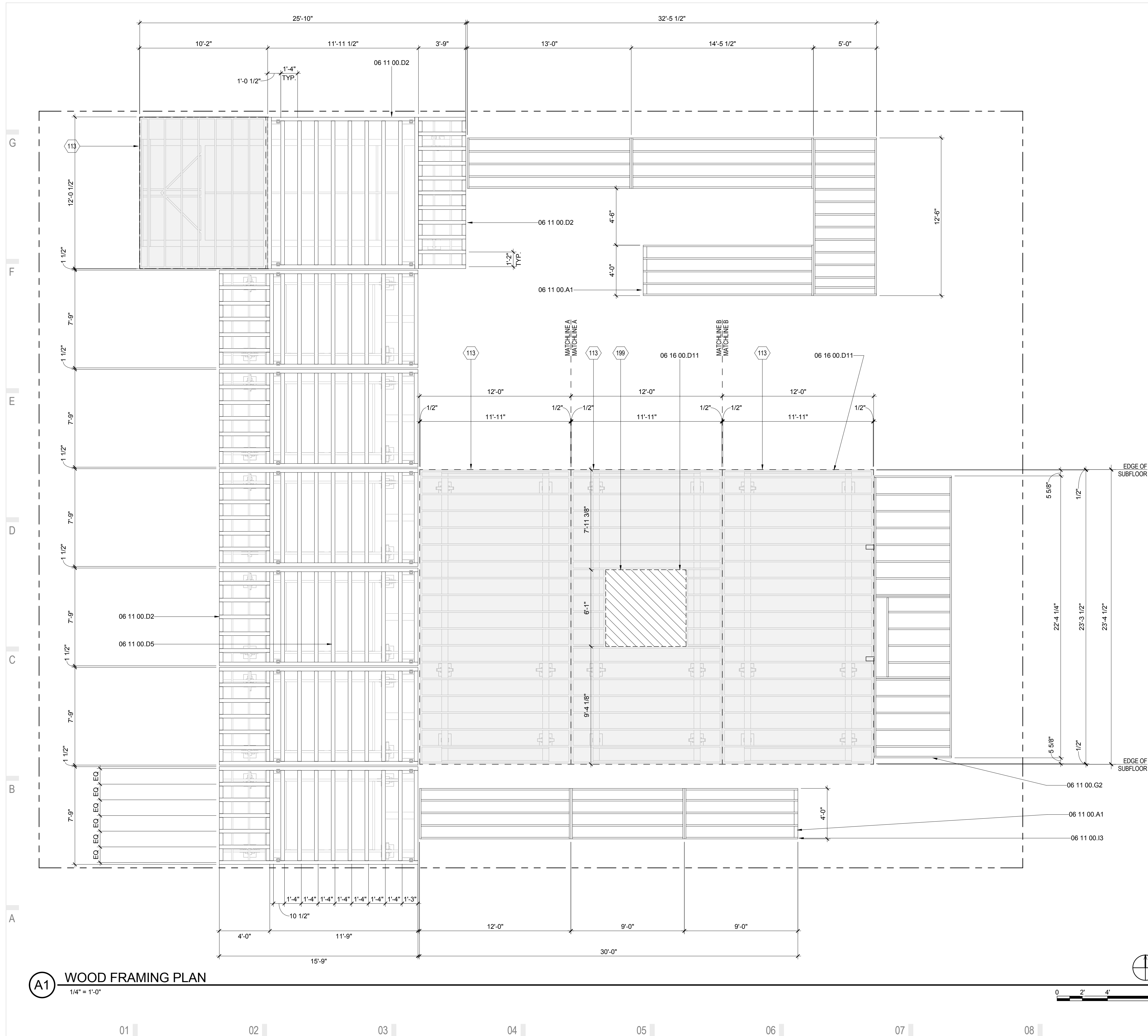
13 34 19.2
 13 34 19.A1 MANUFACTURED STEEL TRAILER

SHEET KEYNOTES



A1 STEEL FLOOR FRAMING PLAN
 1/4" = 1'-0"





GENERAL SHEET NOTES

- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- DRAWING SHOWS WOODEN FLOOR DECKING FRAMING FOR INTERIOR AND EXTERIOR SPACES OF THE SOLAR HOMESTEAD.
- ALL FRAMING TO BE PRESSURE TREATED AND INSTALLED WITH SELF TAPPING SCREWS.

WOOD FRAMING LEGEND

- 2 LAYERS CROSS LAID 3/4" SUBFLOOR
- 2 LAYERS CROSS LAID 3/4" SUBFLOOR ATTACHED TO TRAILER DROP SECTION
- TREATED 2x4
- TREATED 2x10

REFERENCE KEYNOTES

06 11 00.A1	BLOCKING
06 11 00.D2	TREATED 2X4
06 11 00.D5	2X4 FRAMING @ 16" O.C.
06 11 00.G2	2X8 FRAMING @ 16" O.C.
06 11 00.I3	2X12 JOISTS @ 12" O.C.
06 16 00.D11	3/4" PLYWOOD

SHEET KEYNOTES

113	TWO LAYERS OF 3/4" PLYWOOD CROSS LAID
199	TWO LAYERS OF 3/4" SUBFLOOR CROSS LAID ATTACHED TO TRAILER DROP SECTION



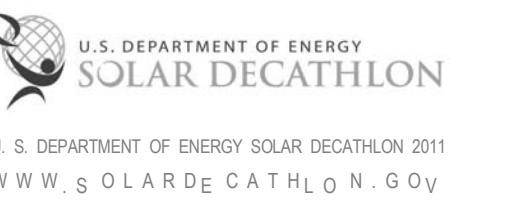
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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG



IONCON PLLC P-0820
PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
(828) 264-8500

CLIENT:



LOT #: 205 | APPST
DRAWN BY: JA
CHECKED BY: KL, DJM, CE
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

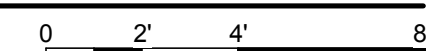
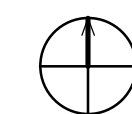
SHEET TITLE:
WOOD FRAMING PLAN

SHEET NUMBER:

S-103

A1 WOOD FRAMING PLAN

1/4" = 1'-0"



01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10



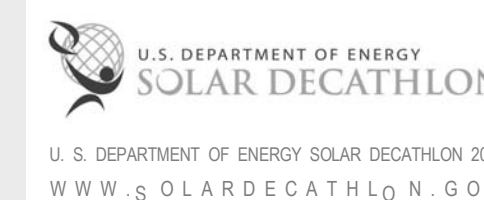
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BOONE, NC 28607
PHONE: 828.262.8519
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WWW.THESOLARHOMESTEAD.ORG



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PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
(828) 264-8500

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DRAWN BY: JA
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
ROOF FRAMING PLAN

SHEET NUMBER:

S-104

GENERAL SHEET NOTES

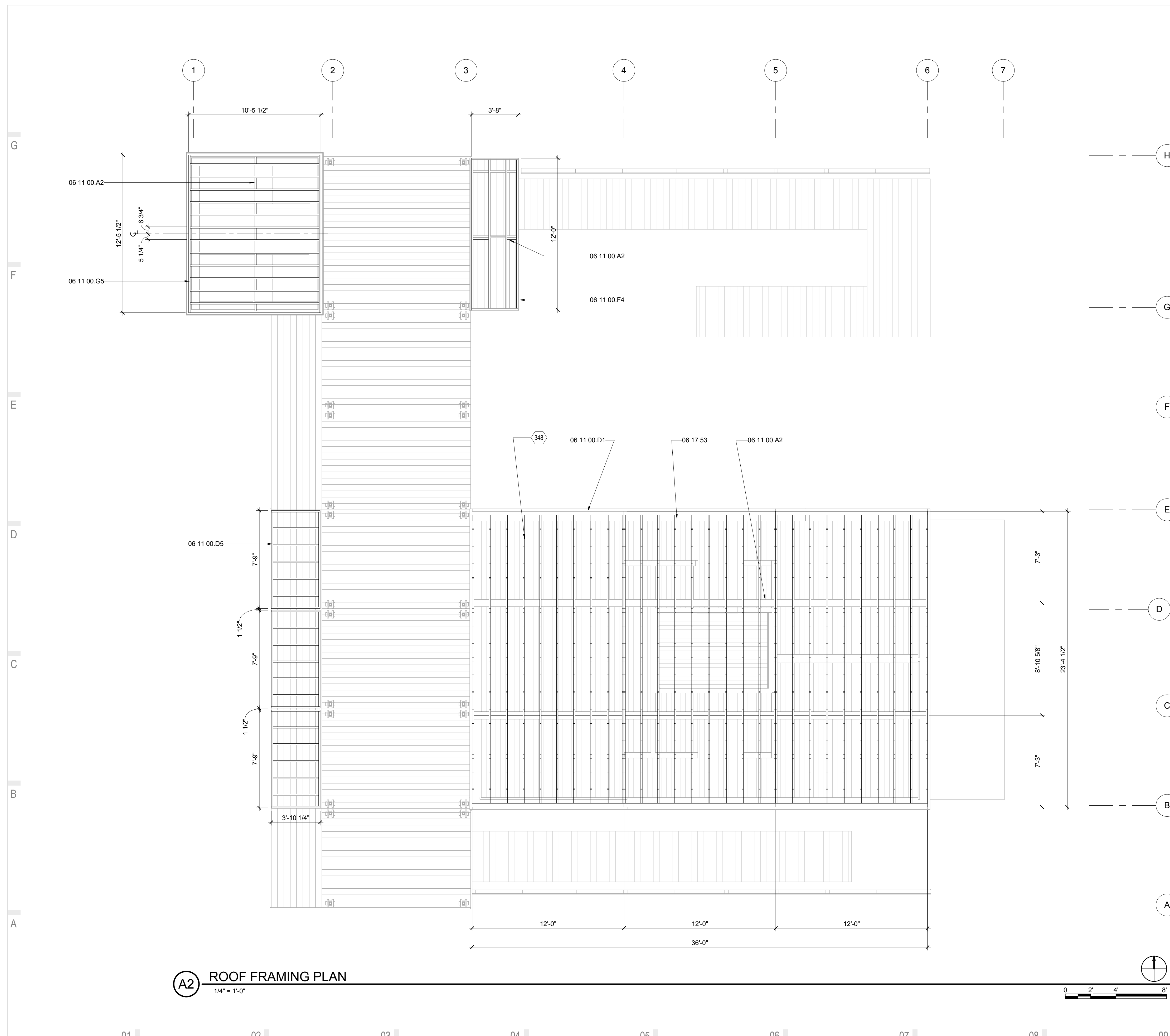
- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- ALL ROOFS TO HAVE 3/4" PLYWOOD SHEATHING.

REFERENCE KEYNOTES

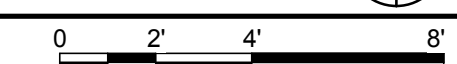
06 11 00 A1	BLOCKING
06 11 00 A2	BRIDGING
06 11 00 D1	2X4
06 11 00 D5	2X4 FRAMING @ 16" O.C.
06 11 00 F4	2X6 FRAMING @ 16" O.C.
06 11 00 G5	2X8 JOISTS @ 12" O.C.
06 17 53	SHOP-FABRICATED WOOD TRUSSES

SHEET KEYNOTES

348 TRUSSES 16" O.C.



A2 ROOF FRAMING PLAN
1/4" = 1'-0"





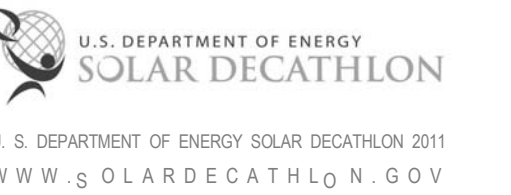
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PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
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STATUS: AS-BUILT DRAWINGS

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SHEET TITLE:
OM CANOPY FRAMING PLANS

SHEET NUMBER:

S-105

GENERAL SHEET NOTES

- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- FOR EXACT CANOPY DIMENSIONS AND DETAIL REFER TO SHOP DRAWINGS.

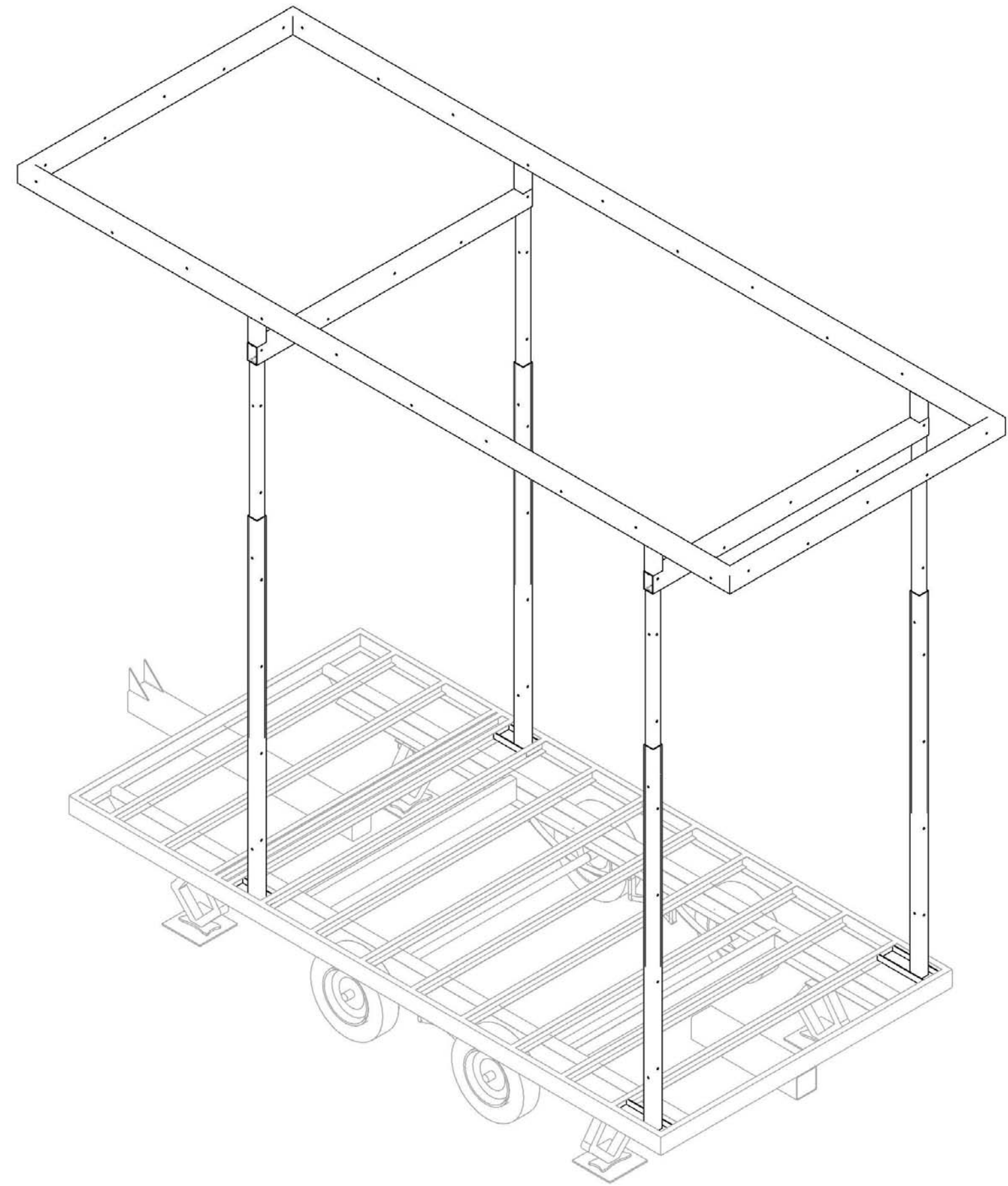
REFERENCE KEYNOTES

05 12 73.L250	TSSX3X0.1875
06 11 00.H1	2X10
06 11 00.I1	2X12
06 11 00.L5	4X6 BEAM

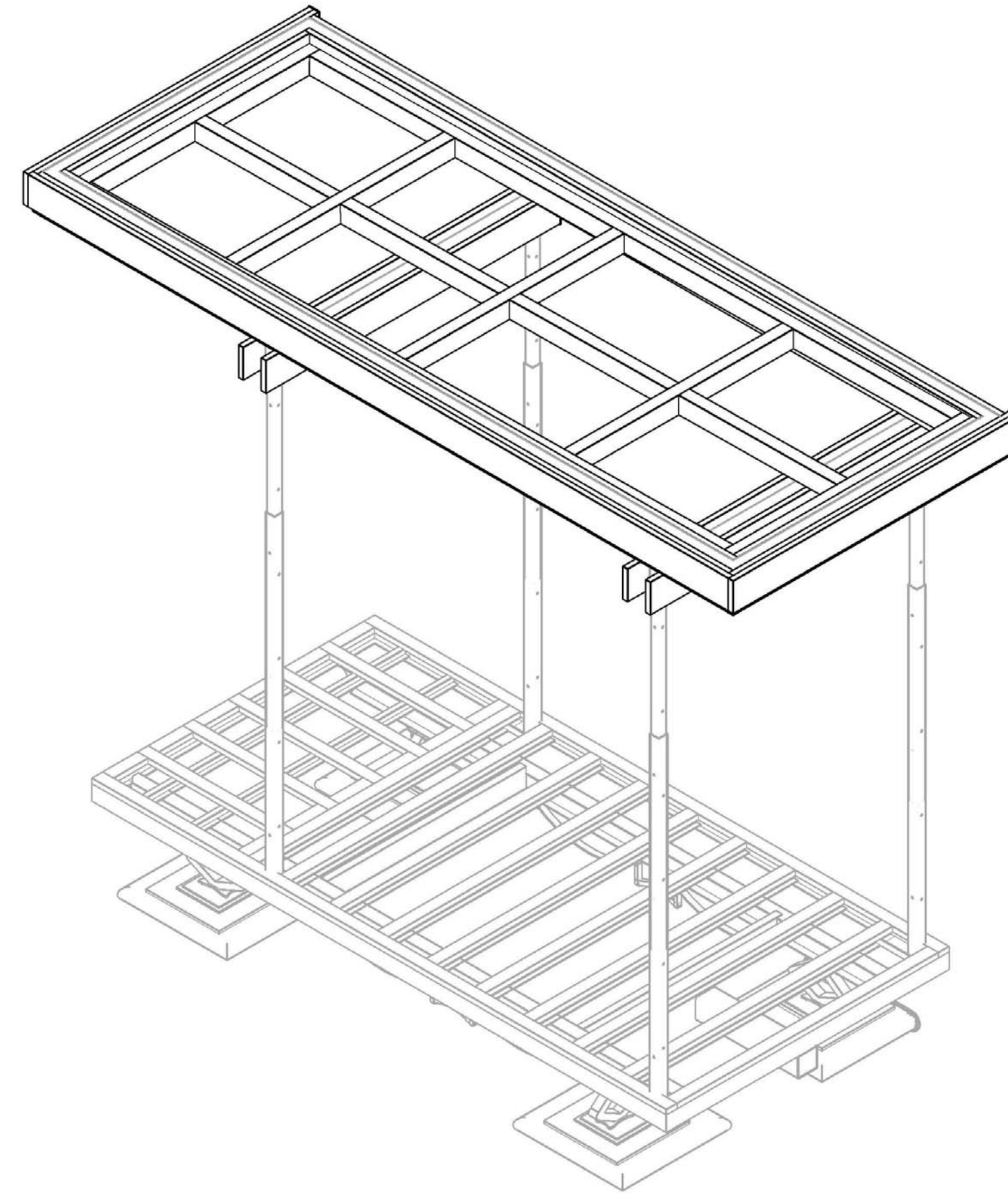
SHEET KEYNOTES

18	STEEL CANOPY FRAME
19	STEEL CANOPY GIRDER BELOW

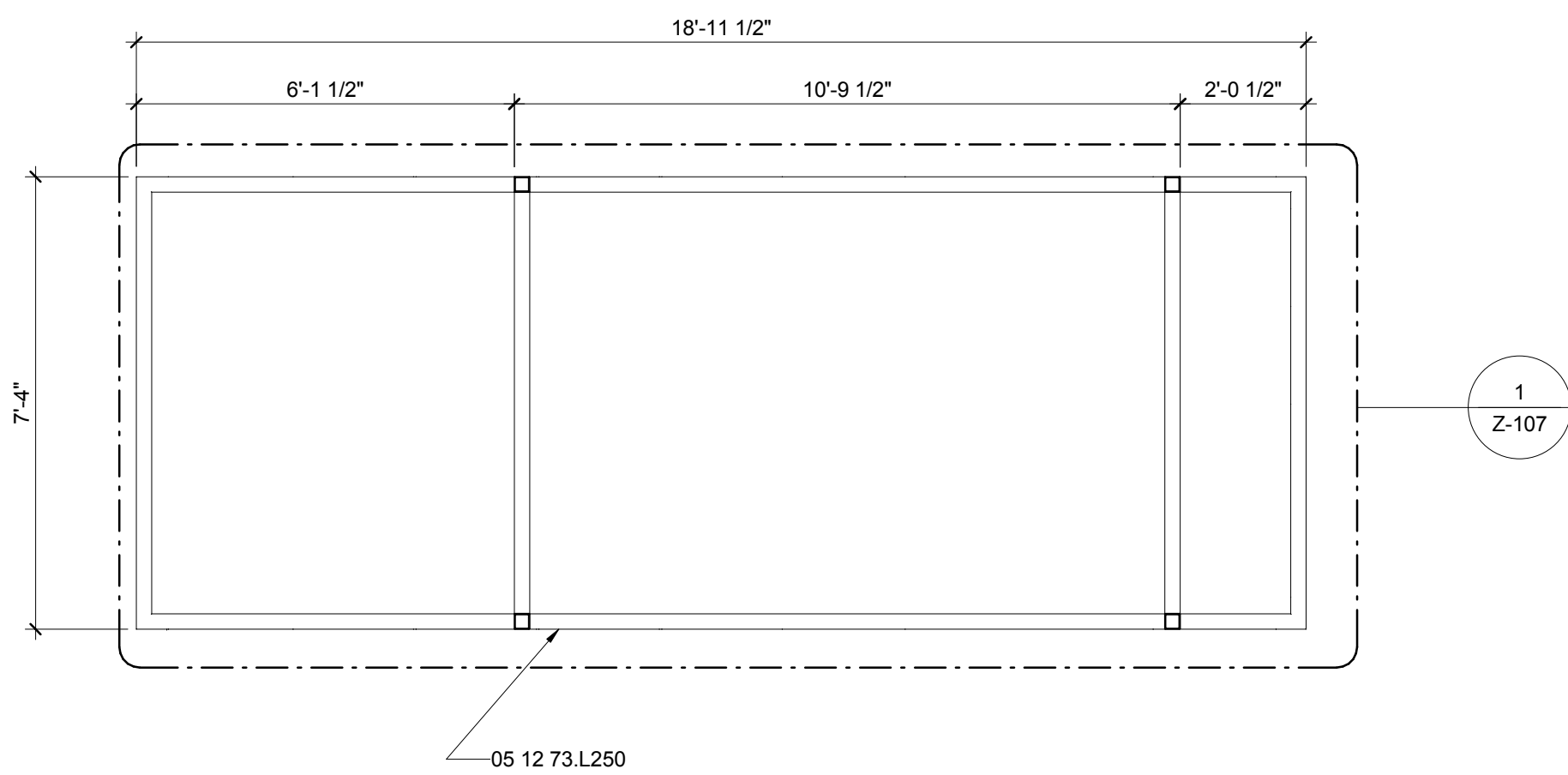
G
F
E
D
C
B
A



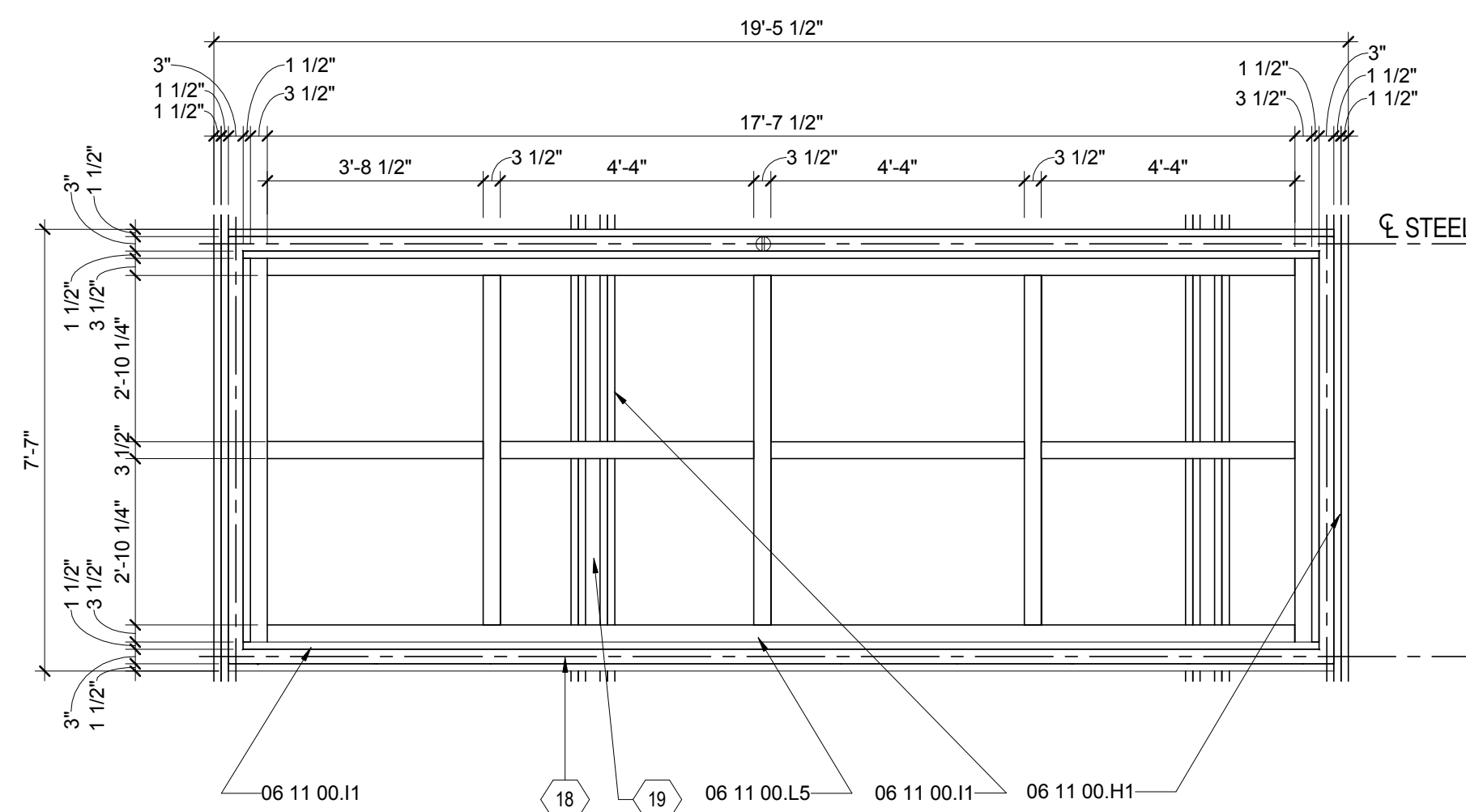
D1 OM CANOPY STEEL FRAMING, TYP
NTS



D5 OM CANOPY WOOD FRAMING, TYP
NTS



A1 OM CANOPY STEEL FRAMING PLAN, TYP
3/8" = 1'-0"



A5 CANOPY WOOD FRAMING PLAN, TYP
3/8" = 1'-0"



01

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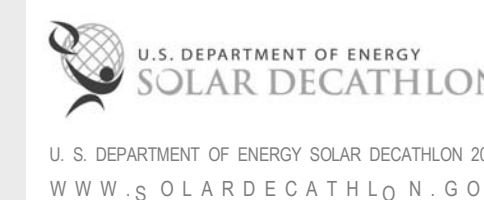
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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG



IONCON PLLC P-0820
PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
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STATUS: AS-BUILT DRAWINGS

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SHEET TITLE:
FLEX OM CANOPY FRAMING
PLANS

SHEET NUMBER:

S-106

GENERAL SHEET NOTES

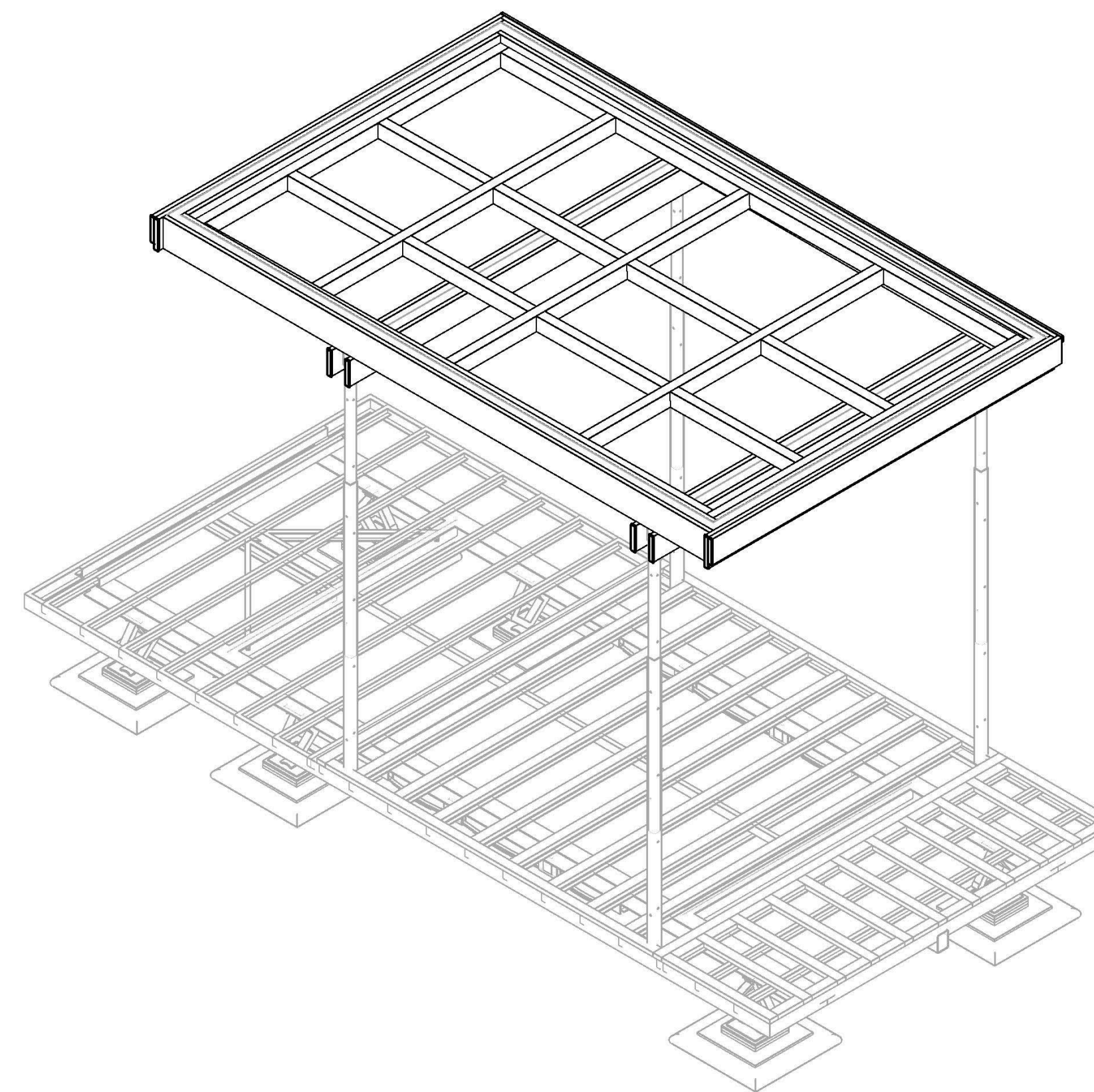
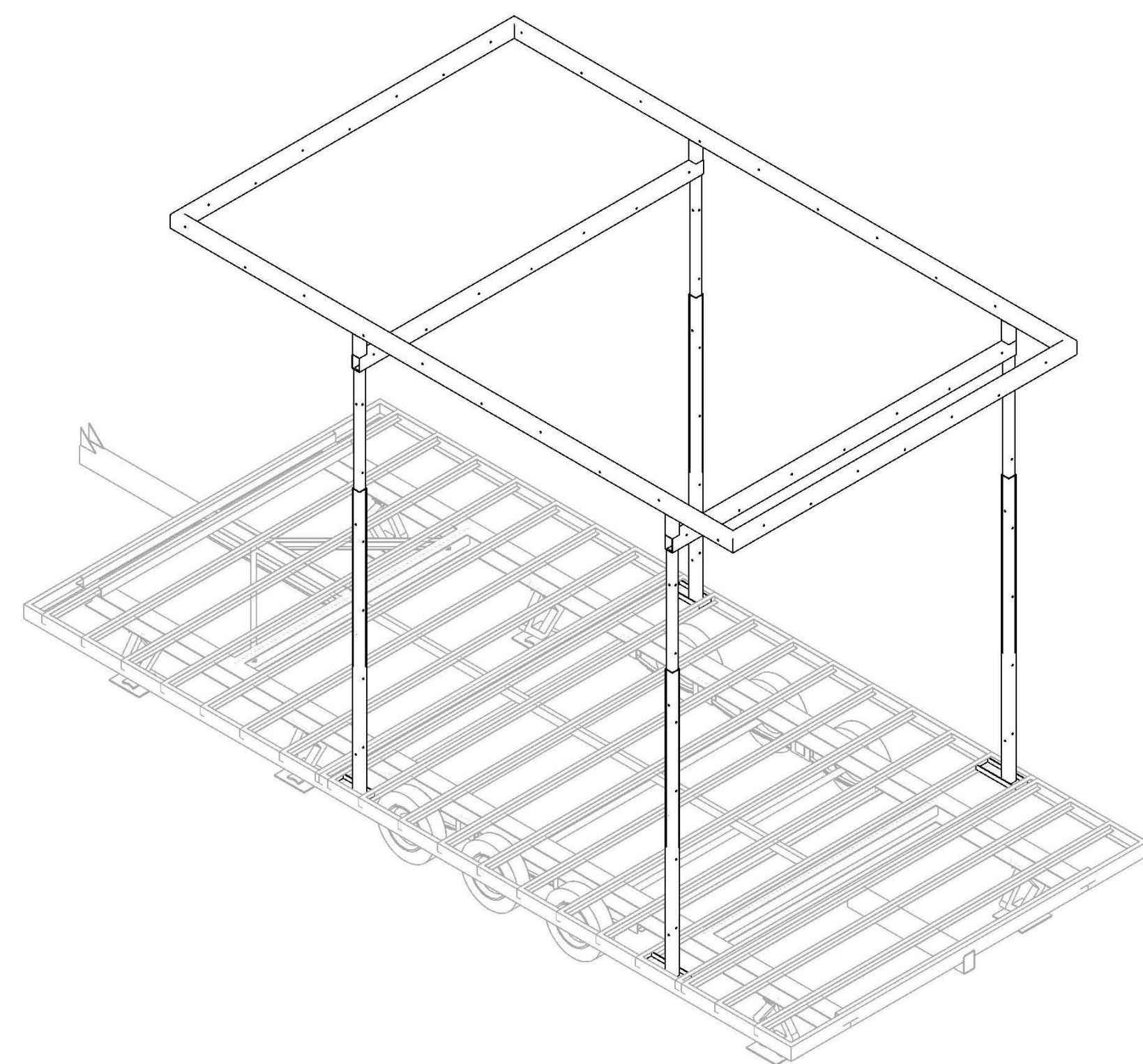
- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- FOR EXACT CANOPY DIMENSIONS AND DETAIL REFER TO SHOP DRAWINGS.

REFERENCE KEYNOTES

06 11 00.H1	2X10
06 11 00.I1	2X12
06 11 00.L5	4X6 BEAM

SHEET KEYNOTES

18	STEEL CANOPY FRAME
19	STEEL CANOPY GIRDER BELOW

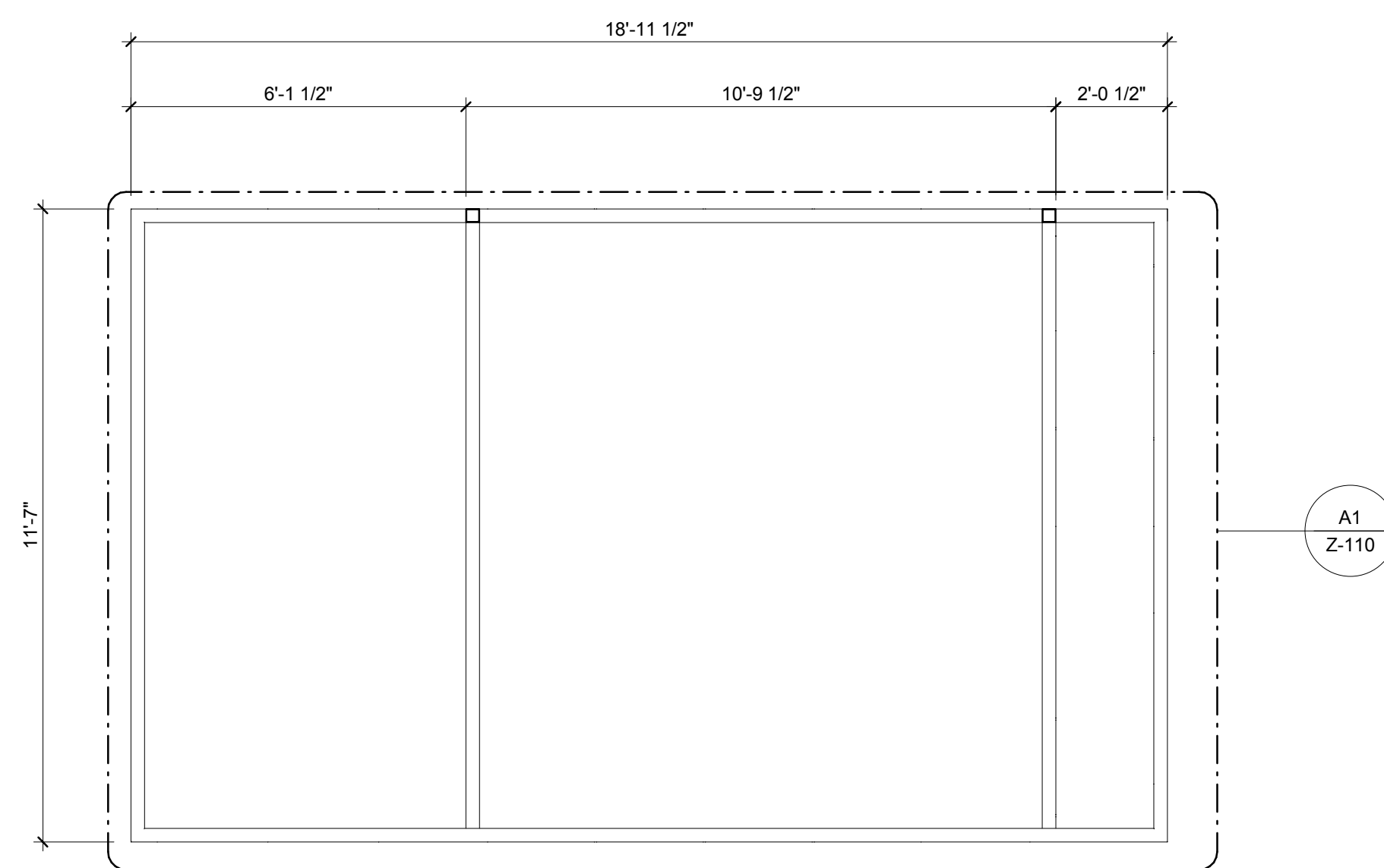


E1 FLEX OM CANOPY STEEL FRAMING

NTS

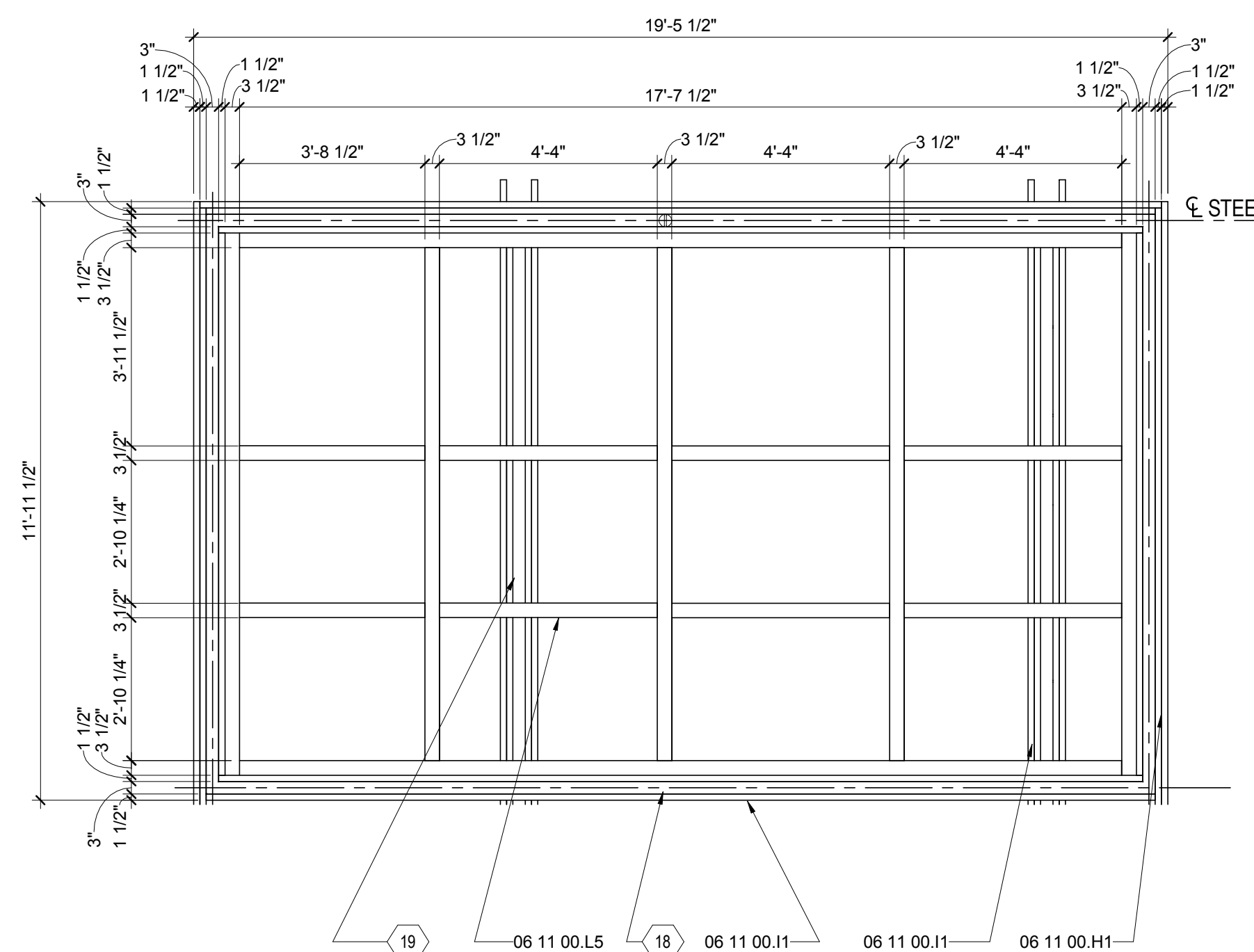
E6 FLEX OM CANOPY WOOD FRAMING

NTS



A1 FLEX OM CANOPY STEEL FRAMING PLAN

3/8" = 1'-0"



A6 FLEX OM CANOPY WOOD FRAMING PLAN

3/8" = 1'-0"



01

02

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APPALACHIAN STATE UNIVERSITY

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U.S. DEPARTMENT OF ENERGY
SOLAR DECATHLON
U.S. DEPARTMENT OF ENERGY SOLAR DECATHLON 2011
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LOT #: 205 | APPST
DRAWN BY: JA
CHECKED BY: KL, DJM, CE
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
LATERAL BRACING PLAN

SHEET NUMBER:

S-107

GENERAL SHEET NOTES

- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- TYPICAL LATERAL BRACED CONDITION. SEE DETAILS ON S-503 + S-504
- ALL TELESCOPING COLUMNS TO BE SECURED WITH A MINIMUM OF 2 GRADE 8 THRU BOLTS

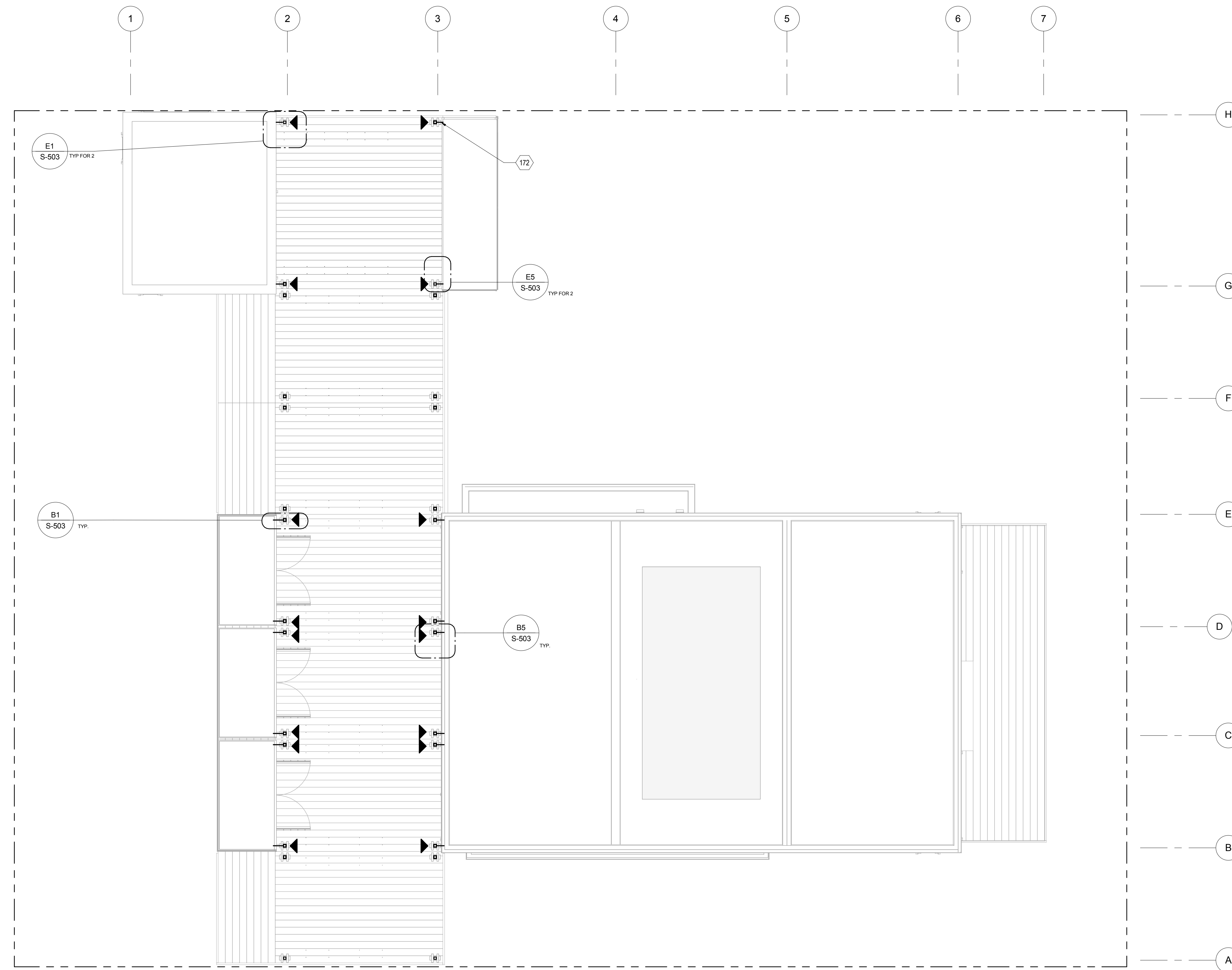
LATERAL BRACING LEGEND

- ▶ LOCATION OF LATERAL STABILITY ATTACHMENT POINTS

REFERENCE KEYNOTES

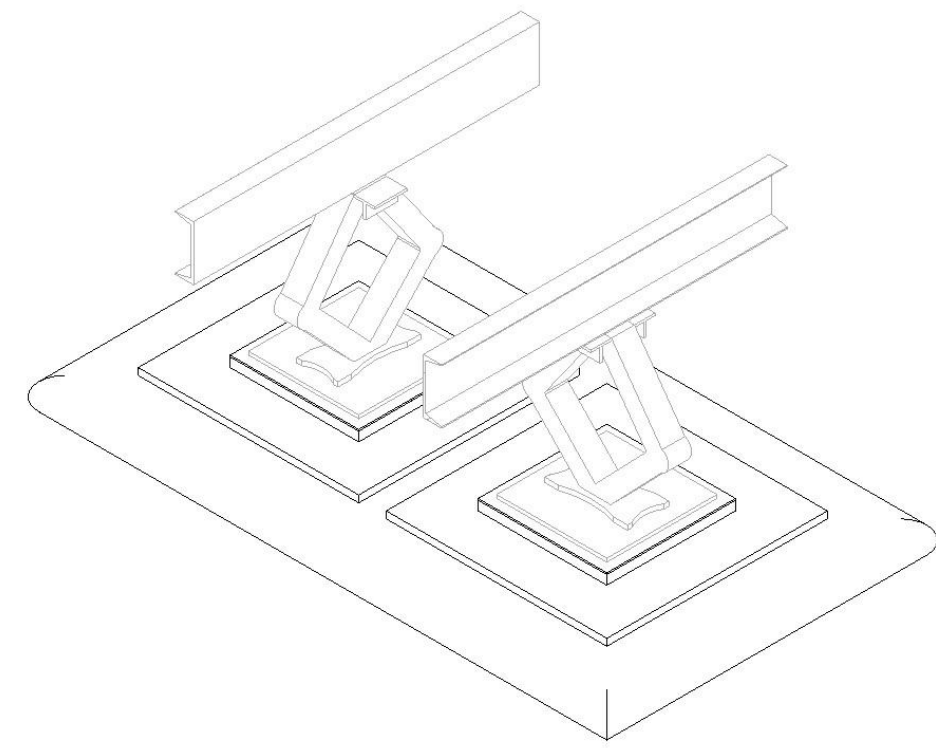
SHEET KEYNOTES

- 172 LATERAL BRACING TABS TO BE MANUFACTURED FROM 3/16" STEEL

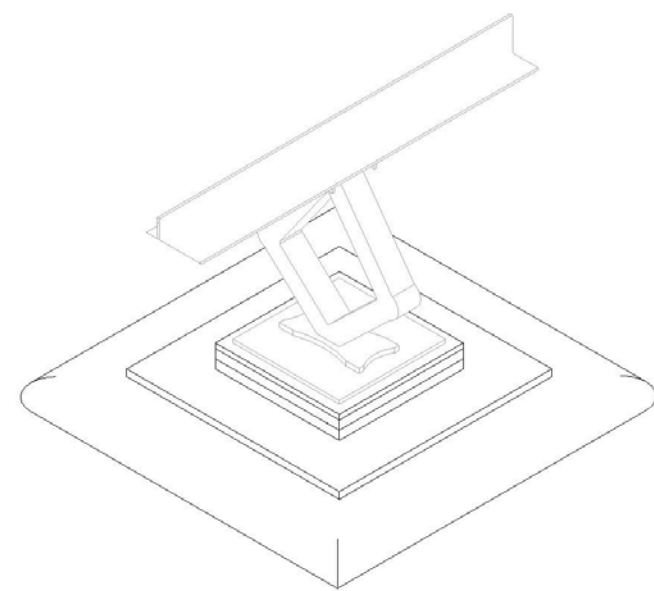


A2 LATERAL BRACING PLAN
1/4" = 1'-0"

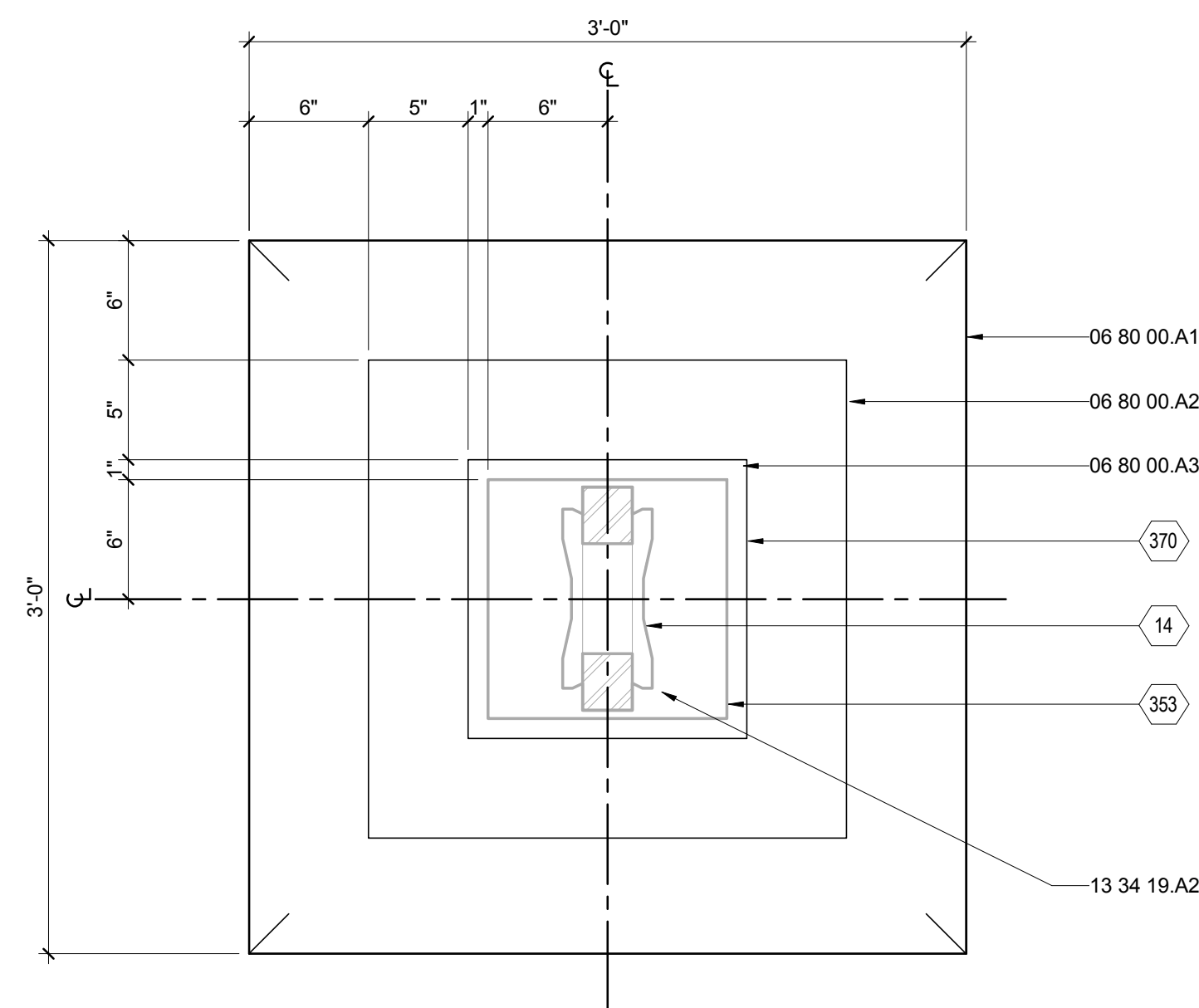




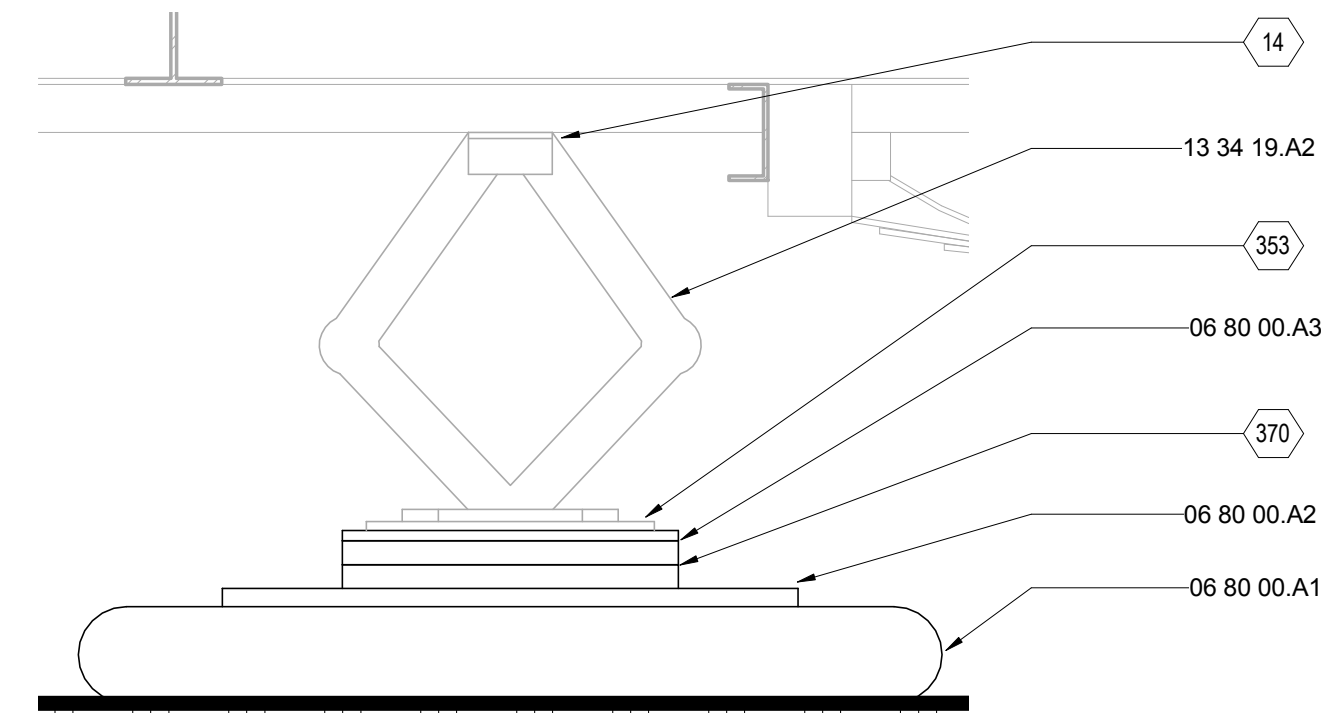
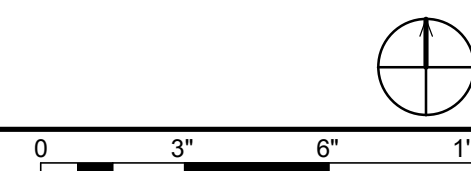
F1 DOUBLE JACK BEARING PAD ISOMETRIC
NTS



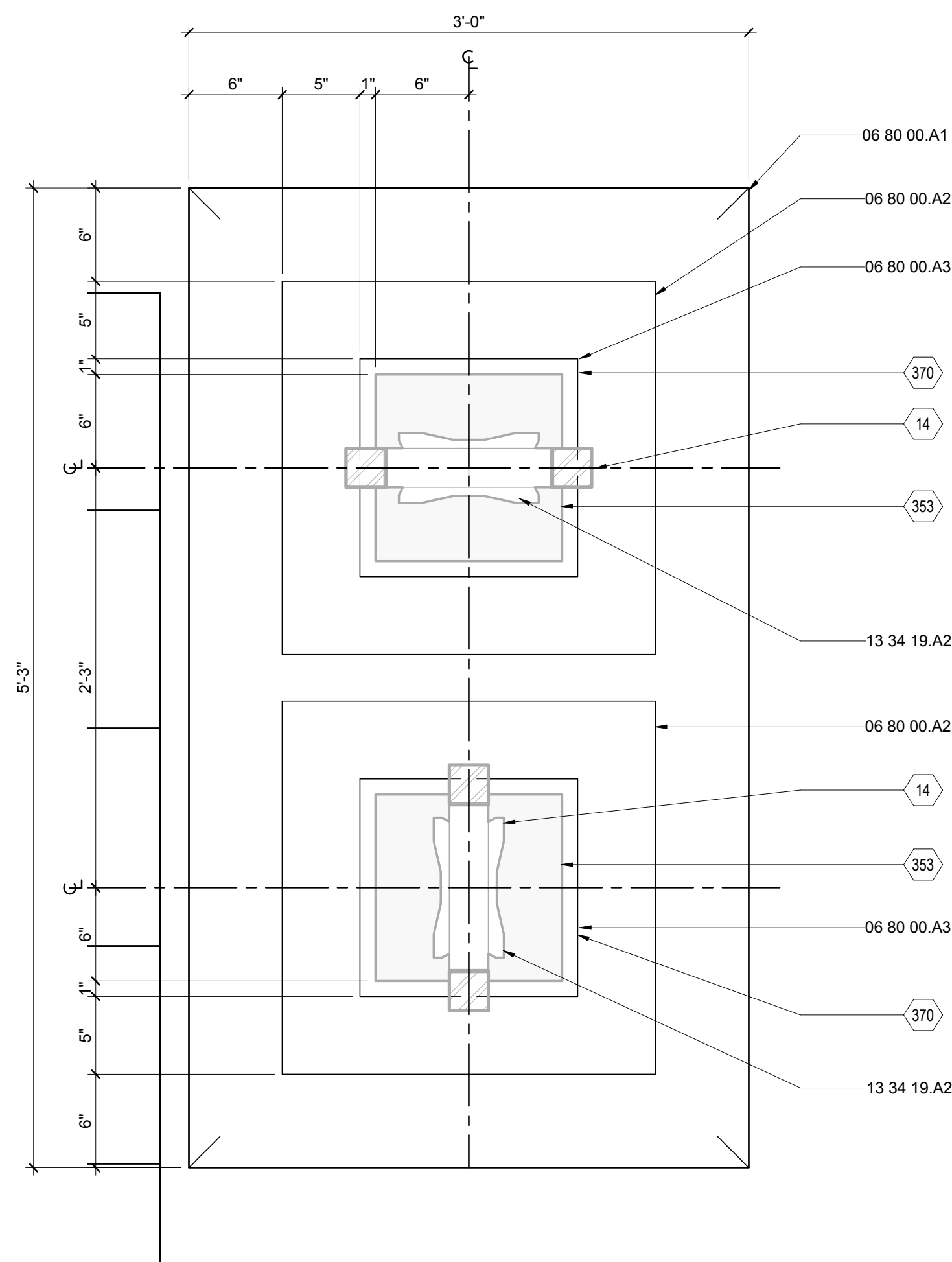
E1 SINGLE JACK BEARING PAD ISOMETRIC
NTS



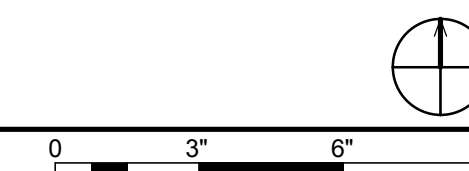
C1 SINGLE JACK BEARING PAD DETAIL
1 1/2" = 1'-0"



C6 TRAILER JACK BEARING PAD ELEVATION
1 1/2" = 1'-0"



A6 DOUBLE JACK BEARING PAD DETAIL
1 1/2" = 1'-0"



GENERAL SHEET NOTES

- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- REFER TO STRUCTURAL DRAWINGS AND CALCULATIONS FOR BEARING WEIGHTS.
- FOUNDATION SYSTEM SIZED FOR 1000-1500 LBS/SF MAXIMUM

REFERENCE KEYNOTES

06 80 00.A1	BURLAP SACKS
06 80 00.A2	24X24X.75 FOUNDATION PADS
06 80 00.A3	14X14 RECYCLED RUBBER PADS
13 34 19.A2	SCISSOR JACK

SHEET KEYNOTES

14	STEEL JACKS WELDED TO TRAILER FRAMES DURING TRAILER MANUFACTURING
353	1X1X3/8" STEEL PLATE WELDED TO JACKS DURING TRAILER MANUFACTURING
370	RUBBER PADS STACKED TO NECESSARY HEIGHT TO LEVEL TRAILERS



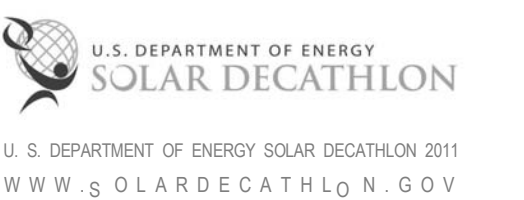
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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
(828) 264-8500

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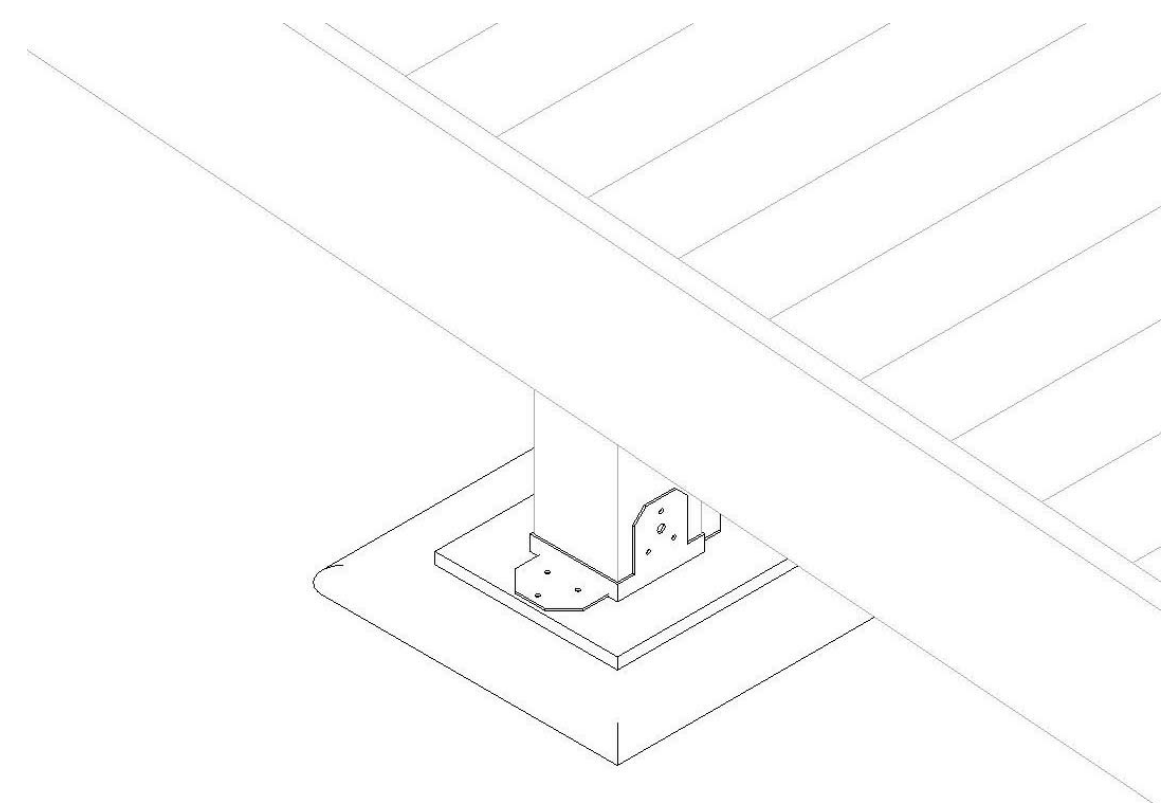
LOT #: 205 | APPST
DRAWN BY: JA
CHECKED BY: KL, DJM, CE
STATUS: AS-BUILT DRAWINGS

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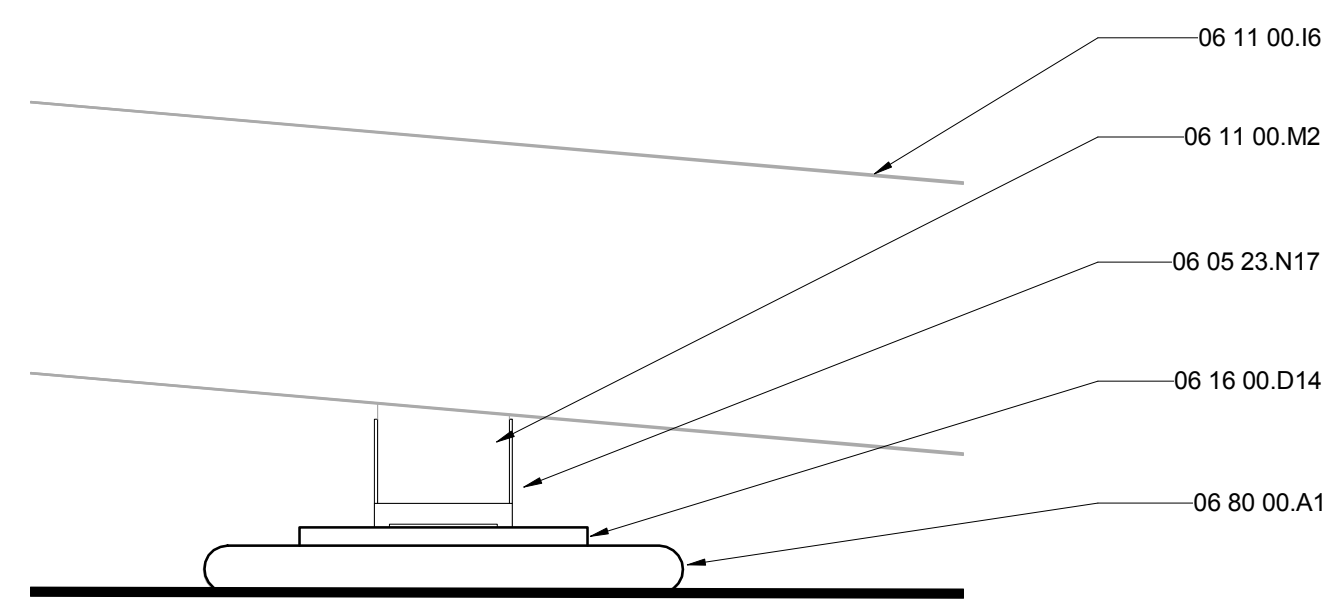
SHEET TITLE:
TRAILER BEARING DETAILS

SHEET NUMBER:

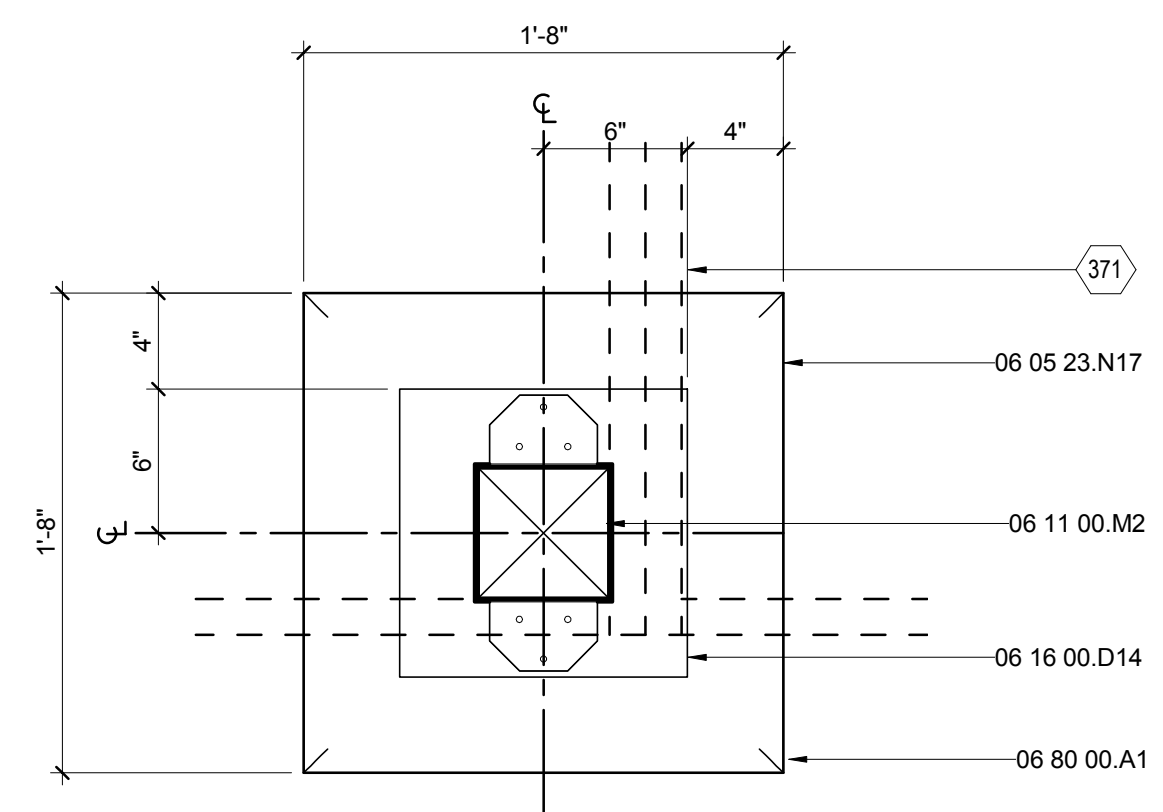
S-501



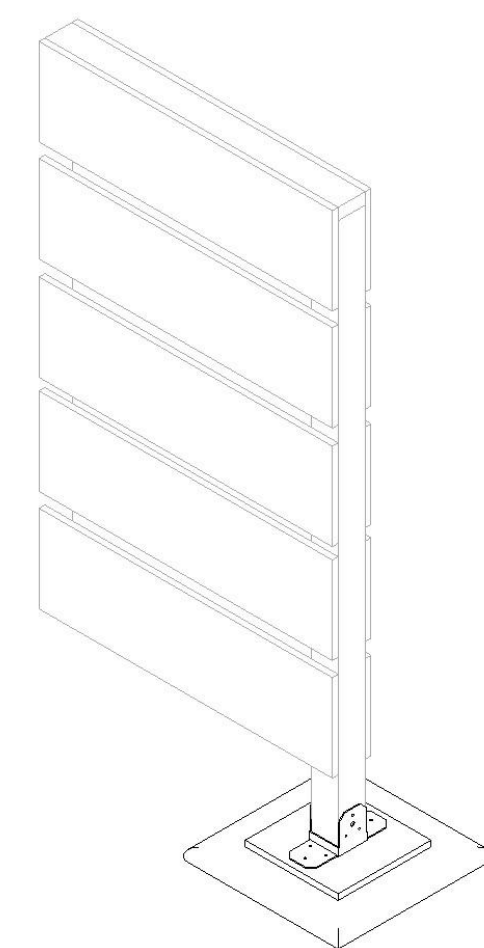
F1 RAMP AND DECK BEARING PAD ISOMETRIC
1" = 20'-0"



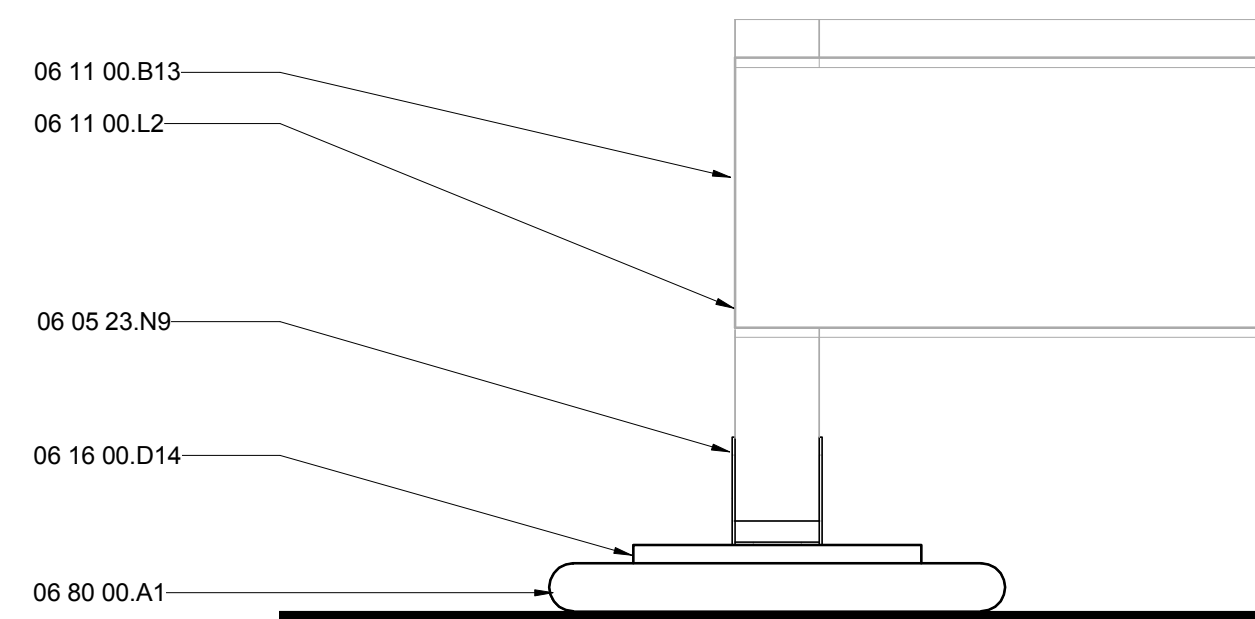
D1 RAMP AND DECK BEARING PAD ELEVATION
1 1/2" = 1'-0"



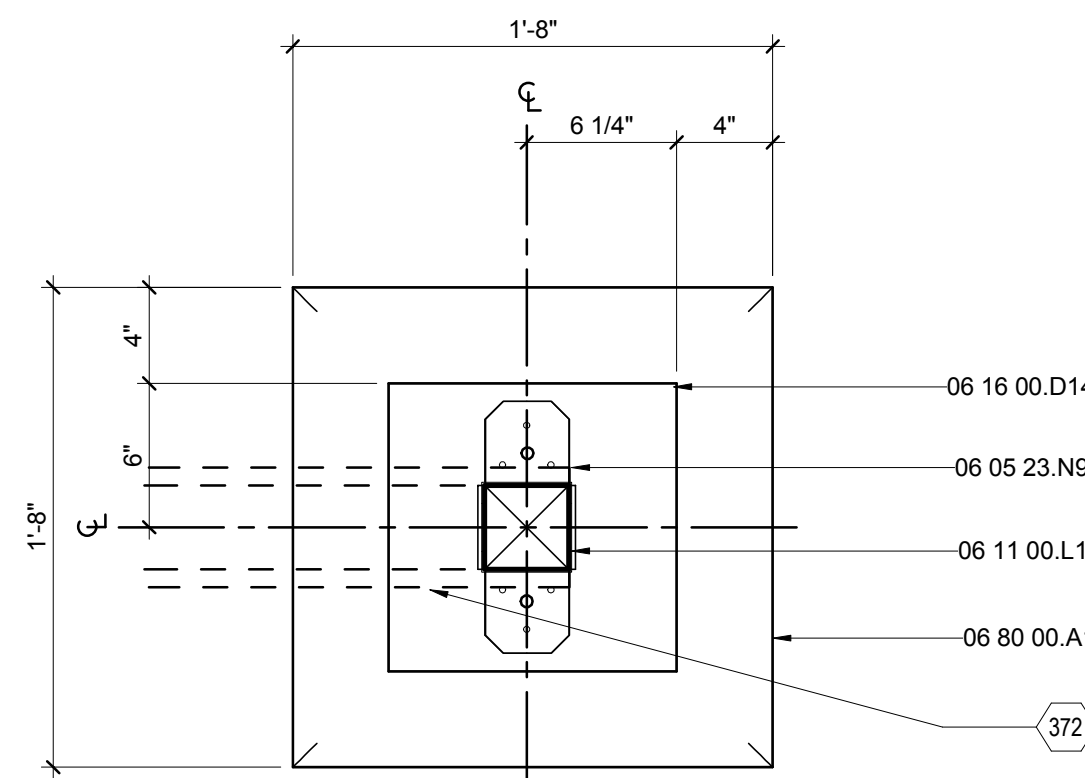
A1 RAMP AND DECK BEARING PAD DETAIL
1 1/2" = 1'-0"



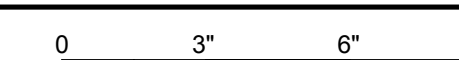
F6 SITE WALL BEARING PAD ISOMETRIC
NTS



D6 SITE WALL BEARING PAD ELEVATION
1 1/2" = 1'-0"



A6 SITE WALL BEARING PAD DETAIL
1 1/2" = 1'-0"



GENERAL SHEET NOTES

- ENGINEERS STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY.
- GROUND PENETRATIONS NOT TO EXCEED 18 INCHES IN VERTICAL DEPTH.

REFERENCE KEYNOTES

06 05 23.N9	PC44
06 05 23.N17	PC66
06 11 00.B13	1X12
06 11 00.I6	TREATED 2X12
06 11 00.L1	4X4
06 11 00.L2	4X4 TREATED
06 11 00.M2	6X6 TREATED POST
06 16 00.D14	1" PLYWOOD
06 80 00.A1	BURLAP SACKS

SHEET KEYNOTES

371	DECK FRAMING ABOVE
372	SITE WALL ABOVE



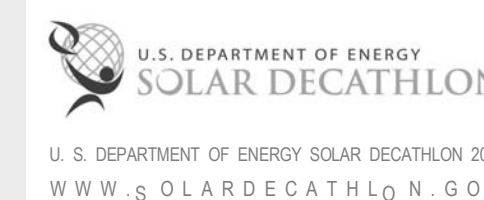
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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG



IONCON PLLC P-0820
PATRICK A. BEVILLE, P.E. LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
SITE BEARING DETAILS

SHEET NUMBER:

S-502



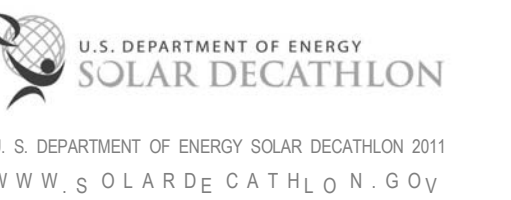
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PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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IONCON PLLC P-0820
PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
(828) 264-8500

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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
LATERAL BRACING PLAN
DETAILS

SHEET NUMBER:

S-503

GENERAL SHEET NOTES

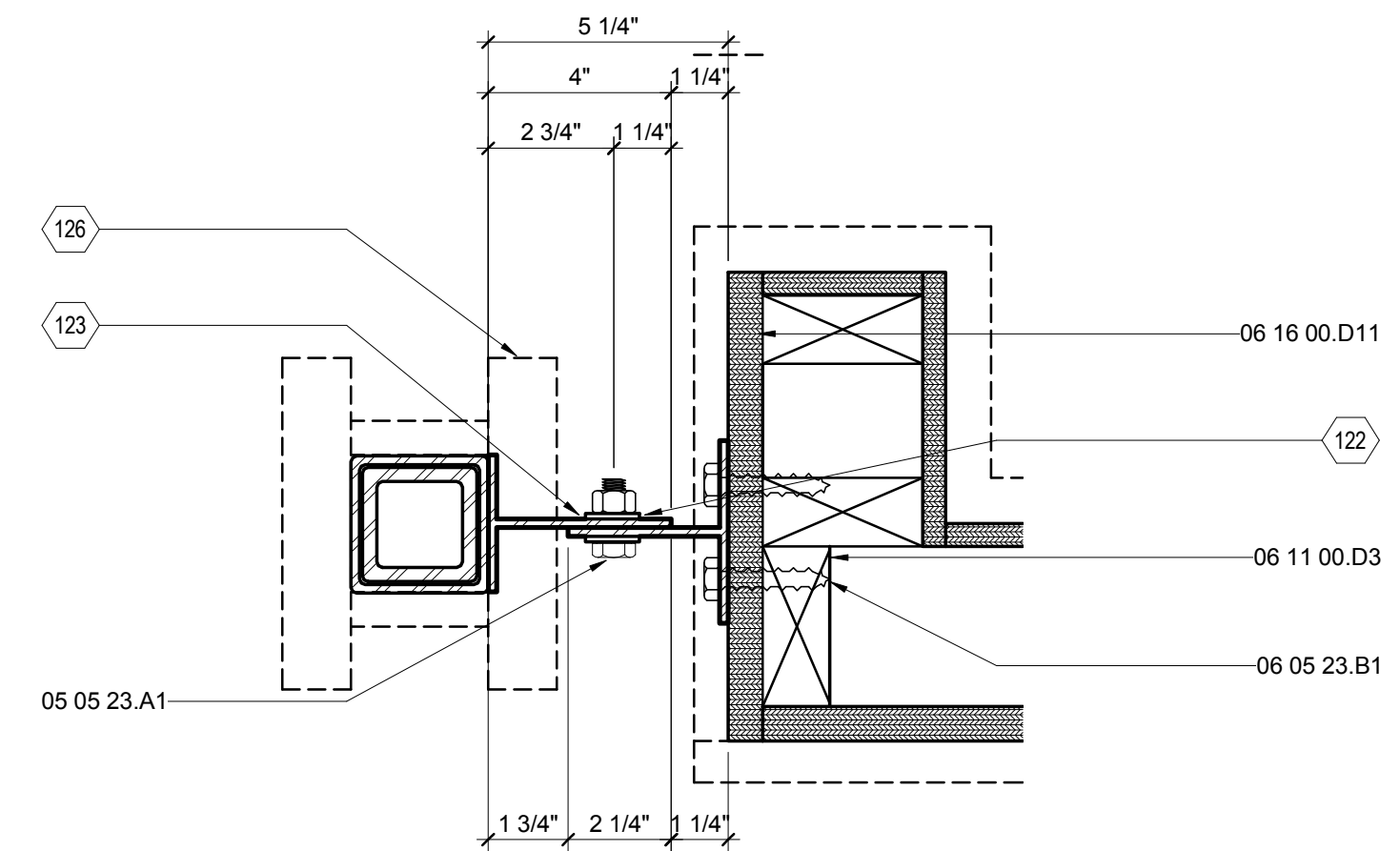
- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY

REFERENCE KEYNOTES

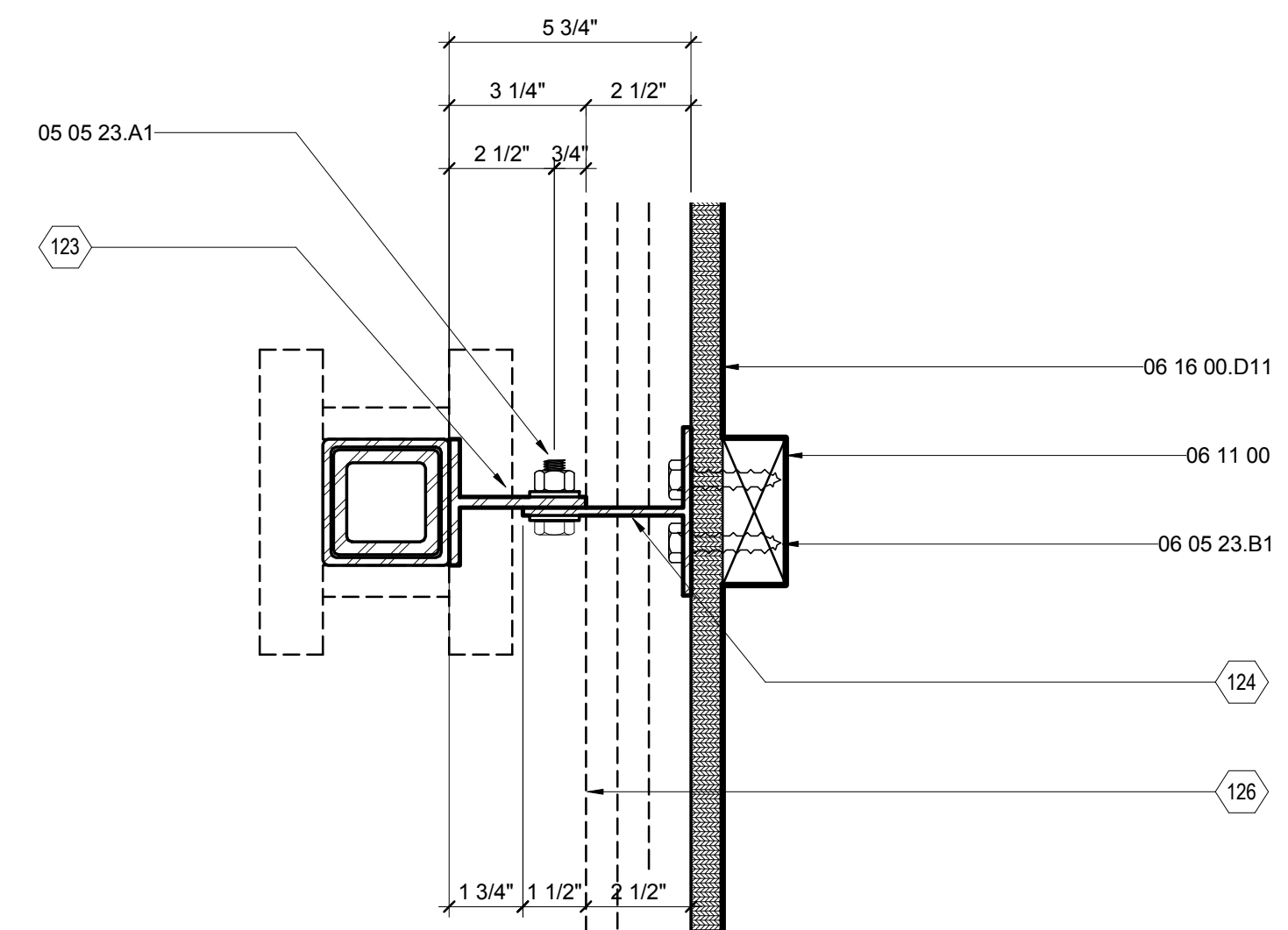
05 05 23.A1	1/2" A307 BOLT
06 05 23.B1	3/8" LAG SCREW
06 11 00	WOOD FRAMING
06 11 00.D3	2X4 FRAMING
06 16 00.D11	3/4" PLYWOOD

SHEET KEYNOTES

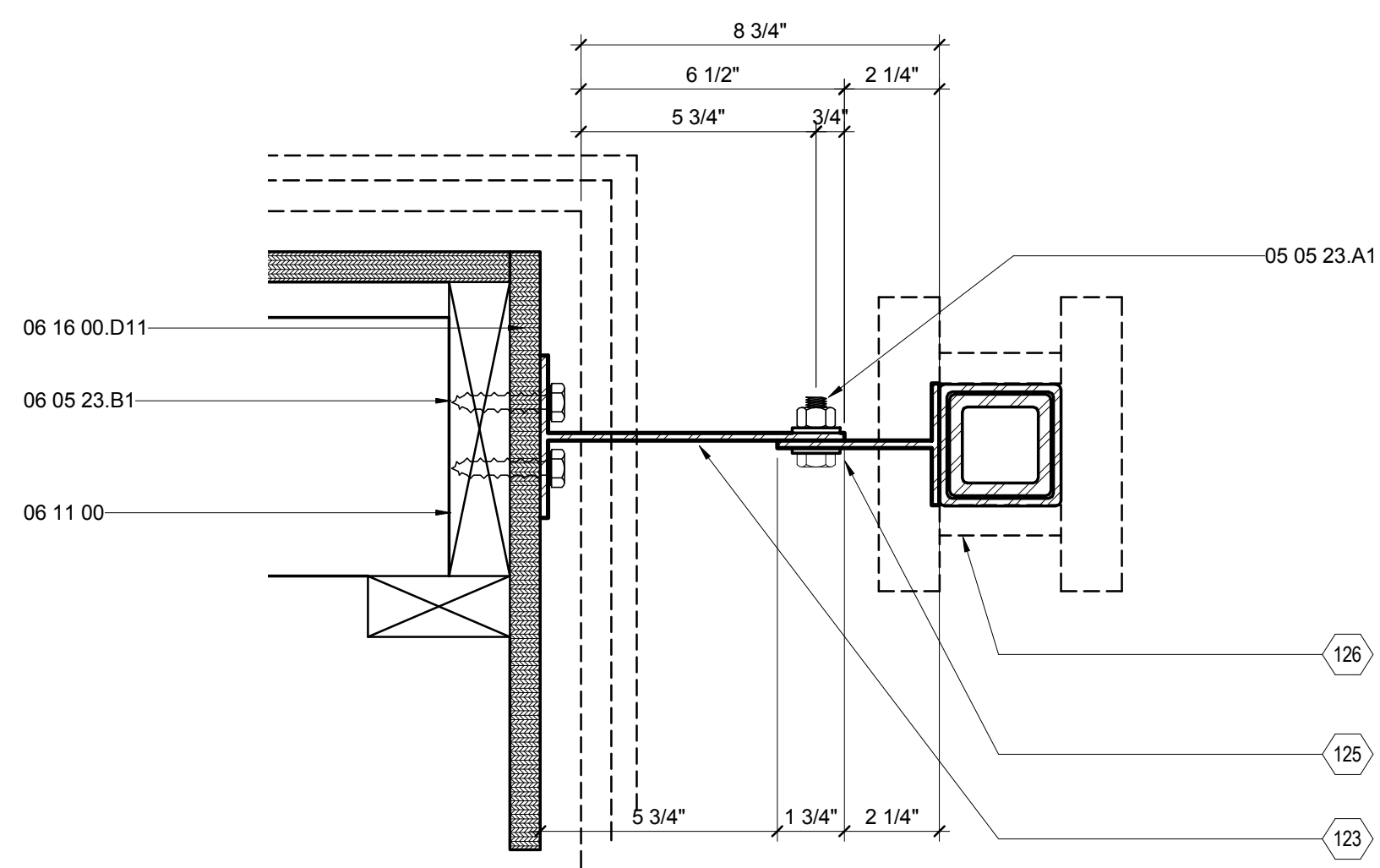
122	SLOTTED CONNECTION ON L ANGLE
123	SHOP FABRICATED LATERAL BRACING
124	SLOTTED CONNECTION ON WALL MOUNTED T
125	SLOTTED CONNECTION ON MARRIAGE BANDS
126	VENEERS AND FINISH SURFACES SHOWN DOTTED



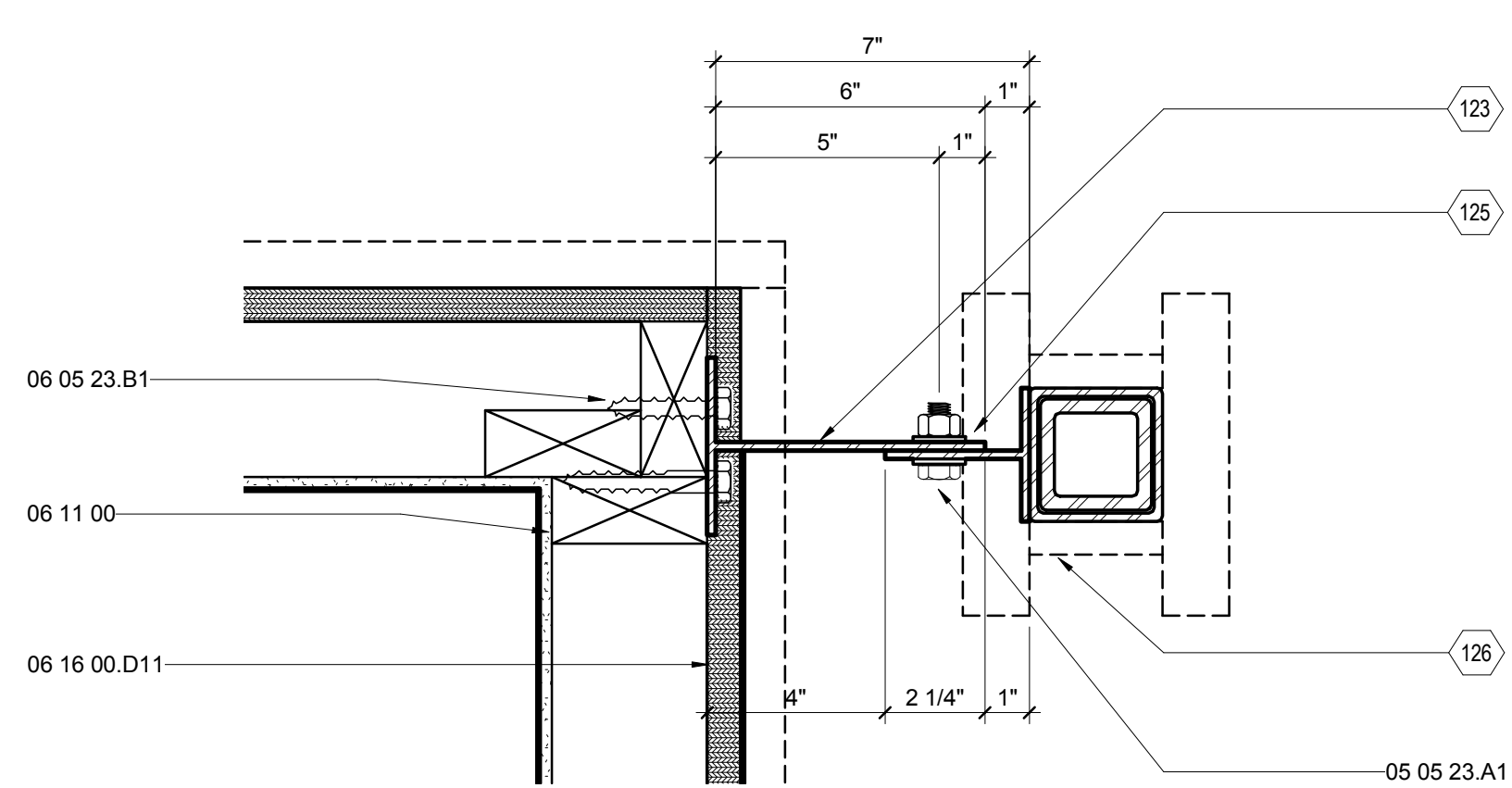
E5 FLEX KITCHEN LATERAL BRACING PLAN DETAIL
3" = 1'-0" 0 3" 6" 1"



B5 HOUSE LATERAL BRACING PLAN DETAIL
3" = 1'-0" 0 3" 6" 1"



E1 FLEX LATERAL BRACING PLAN DETAIL
3" = 1'-0" 0 3" 6" 1"



B1 OM LATERAL BRACING DETAIL
3" = 1'-0" 0 3" 6" 1"

G
F
E
D
C
B
A



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PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG



IONCON PLLC P-0820
PATRICK A. BEVILLE, PE LEED AP NC023045
164 SOUTH DEPOT ST
BOONE, NC 28607
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STATUS: AS-BUILT DRAWINGS

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SHEET TITLE:
LATERAL BRACING SIDE DETAILS

SHEET NUMBER:

S-504

GENERAL SHEET NOTES

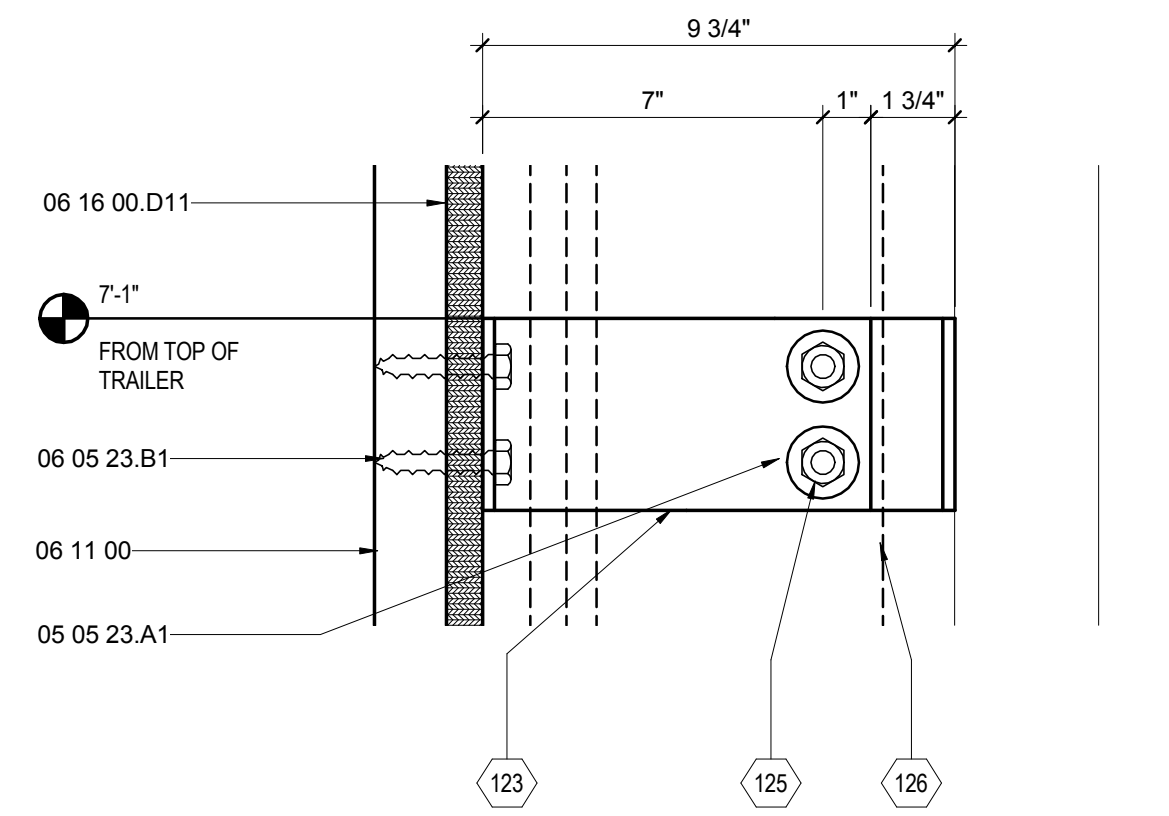
- ENGINEER'S STAMP APPLIES TO STRUCTURAL DRAWINGS ONLY

REFERENCE KEYNOTES

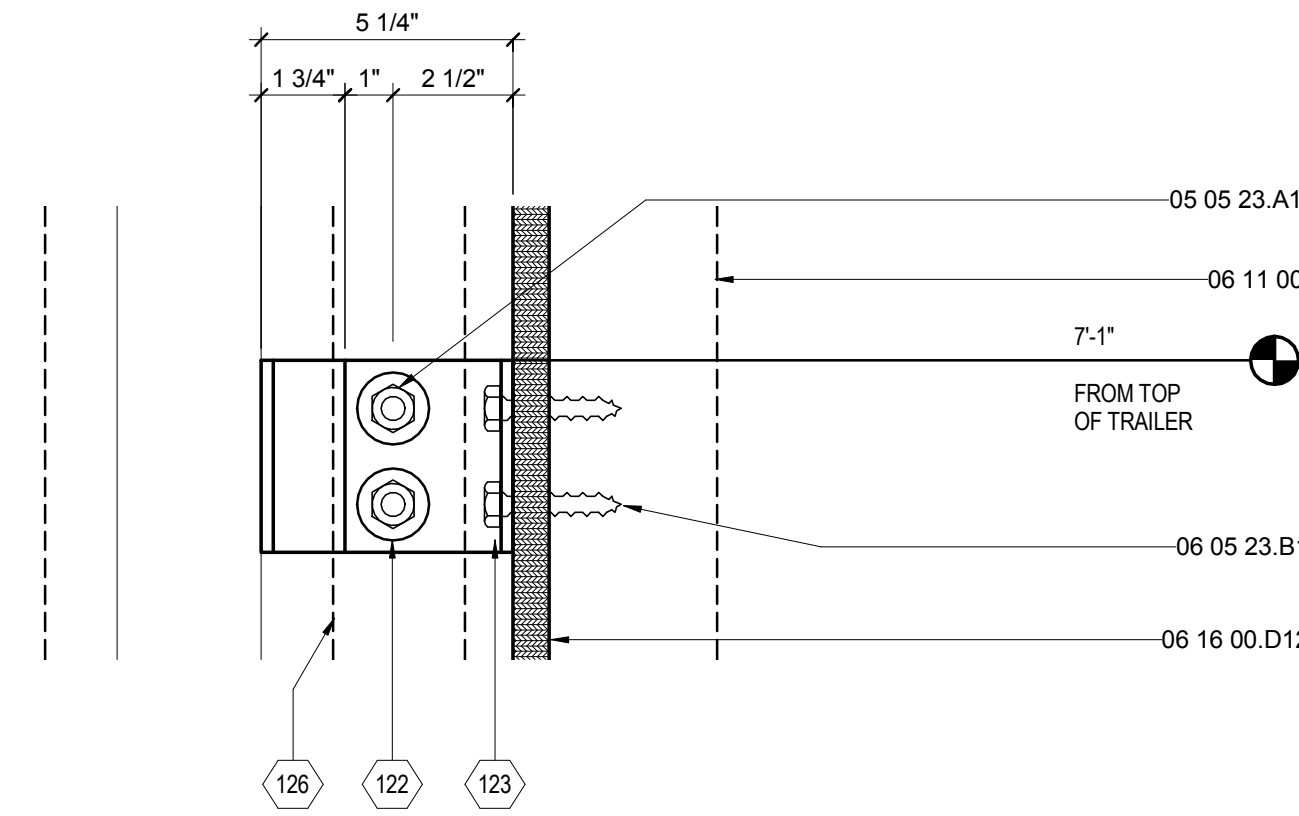
05 05 23.A1	1/2" A307 BOLT
06 05 23.B1	3/8" LAG SCREW
06 11 00	WOOD FRAMING
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD

SHEET KEYNOTES

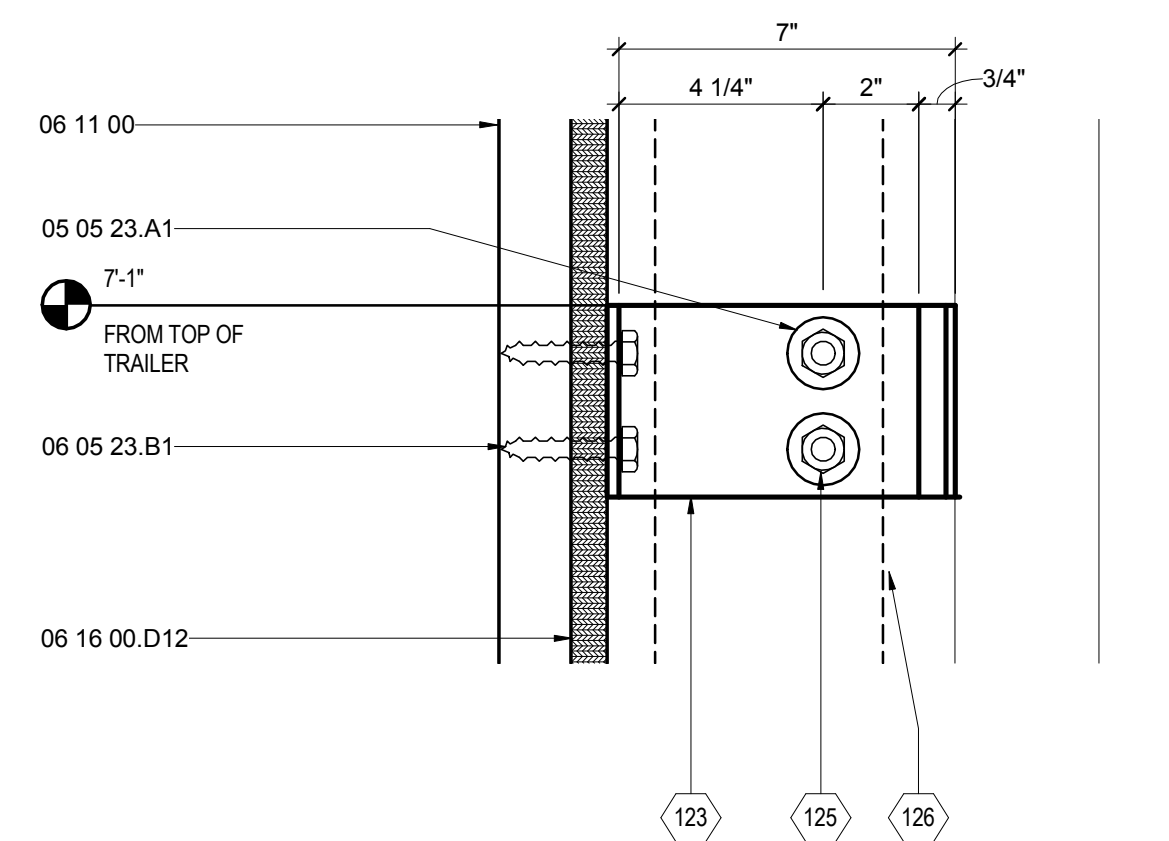
122	SLOTTED CONNECTION ON L ANGLE
123	SHOP FABRICATED LATERAL BRACING
124	SLOTTED CONNECTION ON WALL MOUNTED T
125	SLOTTED CONNECTION ON MARRIAGE BANDS
126	VENEERS AND FINISH SURFACES SHOWN DOTTED



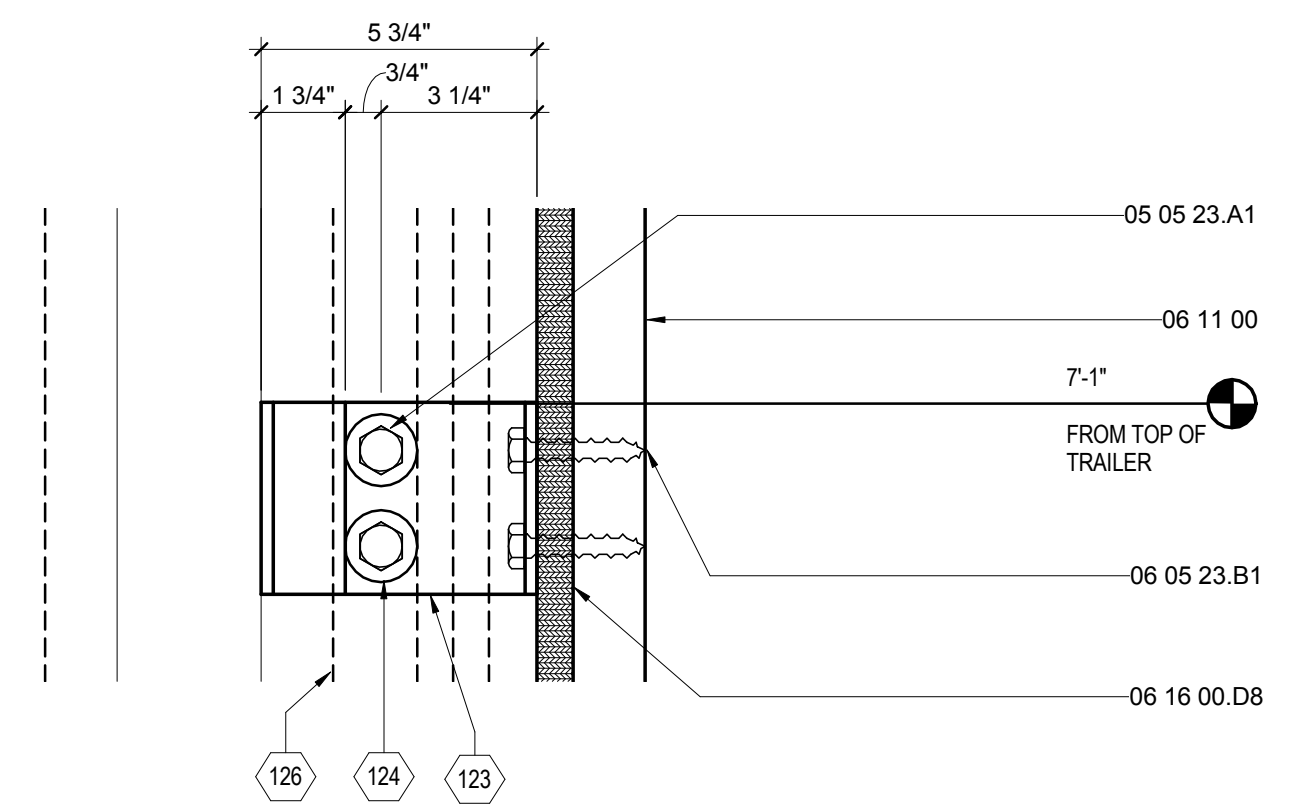
E1 FLEX LATERAL BRACING SECT. DETAIL
3" = 1'-0" 0 3" 6" 1'



E5 KITCHEN LATERAL BRACING SECT. DETAIL
3" = 1'-0" 0 3" 6" 1'



B1 OM LATERAL BRACING SECT. DETAIL
3" = 1'-0" 0 3" 6" 1'



B5 HOUSE LATERAL BRACING SECT. DETAIL
3" = 1'-0" 0 3" 6" 1'

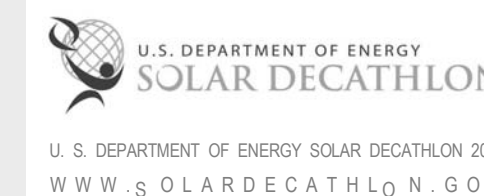


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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LOT #: 205 | APPST
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CHECKED BY: KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL NOTES & SYMBOLS

SHEET NUMBER:

A-001

GENERAL NOTES

1. ARCHITECTURAL NOTES
 - A. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL RESIDENTIAL CODE AS WELL AS THE SOLAR DECATHLON RULES AND BUILDING CODE. THE DESIGN SHALL CONFORM WITH ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL REGULATIONS HAVING JURISDICTION.
 - B. DO NOT SCALE DRAWINGS. DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
 - C. ALL TYPICAL DETAILS AND NOTES SHOWN ON DRAWINGS SHALL APPLY UNLESS NOTED OTHERWISE.
 - D. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND CONSTRUCTION TRADE PRACTICES, CONSULT ARCHITECT BEFORE PROCEEDING WITH WORK.
2. FIRE RESISTANCE COMPLIANCE
 - A. ALL PIPING, DUCTS, ETC THAT PENETRATE FLOOR SLABS SHALL BE INSTALLED IN A MANNER THAT WILL PRESERVE THE FIRE-RESISTANCE AND STRUCTURAL INTEGRITY.
 - B. ALL RATINGS ARE TO COMPLY WITH UNDERWRITERS LABORATORIES (UL) TEST RATINGS.
3. DIMENSIONING
 - A. UNLESS NOTED OTHERWISE, PARTITIONS ARE DIMENSIONED TO THE FACE OF THE STRUCTURE.
 - B. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH WORK. THE ARCHITECT WILL BE NOTIFIED OF ANY DISCREPANCIES.
 - C. ALL DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH THE WORK OF ALL TRADES.
4. INSULATION
 - A. INSULATION IS TO BE INSTALLED TO PROPERLY PROVIDE A VAPOR BARRIER BETWEEN THE EXTERIOR ENVELOPE AND INTERIOR CONDITIONED SPACES, WHETHER SPECIFIED OR NOT.
 - B. ALL JOINTS, BREAKS AND PENETRATIONS OF THERMAL/VAPOR BARRIER ARE TO BE SUPPLEMENTED WITH ADHESIVE/SEALANT TO MAINTAIN CONTINUOUS THERMAL/VAPOR BARRIER.

ARCHITECTURAL SHEET LIST

SHEET NO.	SHEET NAME
A-001	GENERAL NOTES & SYMBOLS
A-101	SITE PLAN
A-111	KEY FLOOR PLAN
A-112	CONDITIONED SPACE PLAN
A-113	ROOF PLAN
A-114	CANOPY ROOF PLAN
A-121	REFLECTED CEILING PLAN
A-201	SOLAR ENVELOPE ELEVATIONS
A-202	SOLAR ENVELOPE ELEVATIONS
A-211	EXTERIOR ELEVATIONS
A-212	EXTERIOR ELEVATIONS
A-221	FLEX KITCHEN ELEVATIONS
A-301	SITE SECTIONS
A-302	SITE SECTIONS
A-303	LONGITUDINAL BUILDING SECTIONS
A-304	TRANSVERSE BUILDING SECTIONS
A-305	TRANSVERSE BUILDING SECTIONS
A-306	FLEX OM SECTIONS
A-307	OUTDOOR KITCHEN SECTIONS
A-308	OM SECTIONS
A-309	DECK SECTIONS
A-311	HOUSE WALL SECTIONS
A-312	HOUSE WALL SECTIONS
A-313	INTERIOR WALL SECTIONS
A-314	INTERIOR PLUMBING WALL SECTIONS
A-315	FLEX OM WALL SECTIONS
A-316	FLEX KITCHEN WALL SECTION
A-317	OM WALL SECTIONS
A-401	ENLARGED HOUSE PLAN
A-402	ENLARGED DIMENSIONED PLAN
A-403	ENLARGED HOUSE MODULE PLANS
A-404	ENLARGED HOUSE MODULE PLANS
A-405	ENLARGED OM PLANS
A-406	ENLARGED FLEX PLANS
A-411	ENLARGED FLEX CANOPY PLANS
A-412	ENLARGED TYP. CANOPY PLANS
A-501	HOUSE PLAN DETAILS
A-502	HOUSE BATH FLOOR DETAILS
A-503	TRAILER MARRIAGE DETAILS
A-504	ROOF DETAILS
A-511	TROMBE WALL DETAILS
A-512	SLIDER WALL DETAILS
A-513	BAY WINDOW ROOF DETAILS
A-514	BAY WINDOW PLAN DETAILS
A-515	BAY WINDOW FLOOR DETAIL
A-521	FLEX OM DETAILS
A-522	FLEX SPACE DETAILS
A-523	OUTDOOR KITCHEN DETAILS
A-524	OUTDOOR KITCHEN PLAN DETAIL
A-525	OUTDOOR KITCHEN DETAILS
A-531	OM CLOSET DETAILS
A-532	OM CLOSET DETAILS
A-533	CANOPY VENEER DETAILS
A-534	CANOPY MARRIAGE DETAILS
A-541	WINDOW DETAILS
A-542	EXTERIOR DOOR DETAILS
A-543	INTERIOR DOOR JAMB DETAILS
A-544	INTERIOR DOOR HEAD DETAILS
A-601	WALL TYPES
A-602	DOOR SCHEDULE
A-603	WINDOW SCHEDULE
A-604	APPLIANCE AND ROOM FINISH SCHEDULE

G

F

E

D

C

B

A

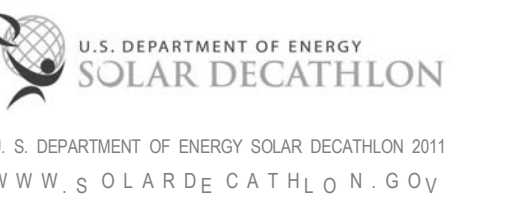


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
SITE PLAN






SHEET NUMBER:

A-101

GENERAL SHEET NOTES

1. ALL BUILDING ELEMENTS TO RESIDE WITHIN COMPETITION DEFINED SOLAR ENVELOPE
2. ALL FOUNDATION AND AUXILIARY ELEMENTS RESIDING ON GRADE SHALL NOT EXCEED THE MAXIMUM ALLOWABLE SOIL LOAD OF 1500PSF.
3. ALL CONSTRUCTION ACTIVITY AND EQUIPMENT USE TO CONFORM TO ALL SECTIONS OF "SITE OPERATIONS" (RULE 4) OF THE CURRENT EDITION OF SOLAR DECATHLON RULES.

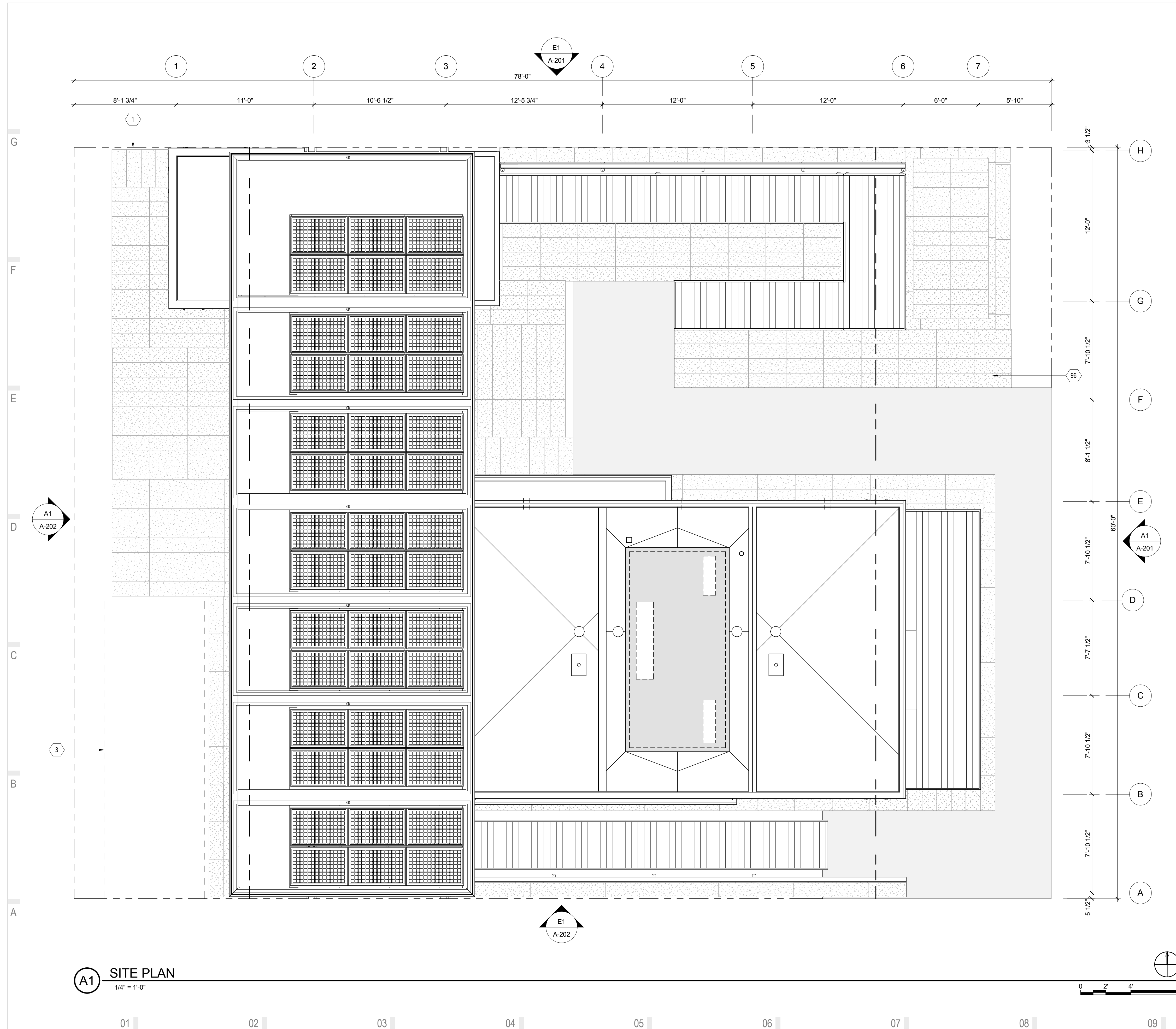
SITE PLAN LEGEND

-  SAFETY LOOP
-  PLUMBING VENT
-  ROOF DRAIN
-  EXHAUST VENT
-  D RING SAFETY ANCHOR CONNECTOR

REFERENCE KEYNOTES

SHEET KEYNOTES

- 1 PROPERTY LINE
- 3 CONSTRUCTION STAGING AREA
- 96 STRAW BALE GARDEN



A1 SITE PLAN
1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10

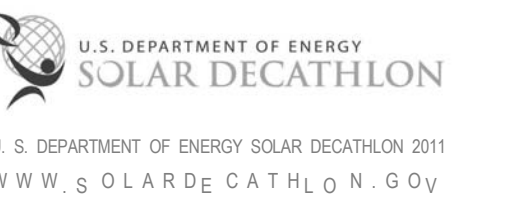


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APPALACHIAN STATE UNIVERSITY

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SHEET TITLE:

KEY FLOOR PLAN

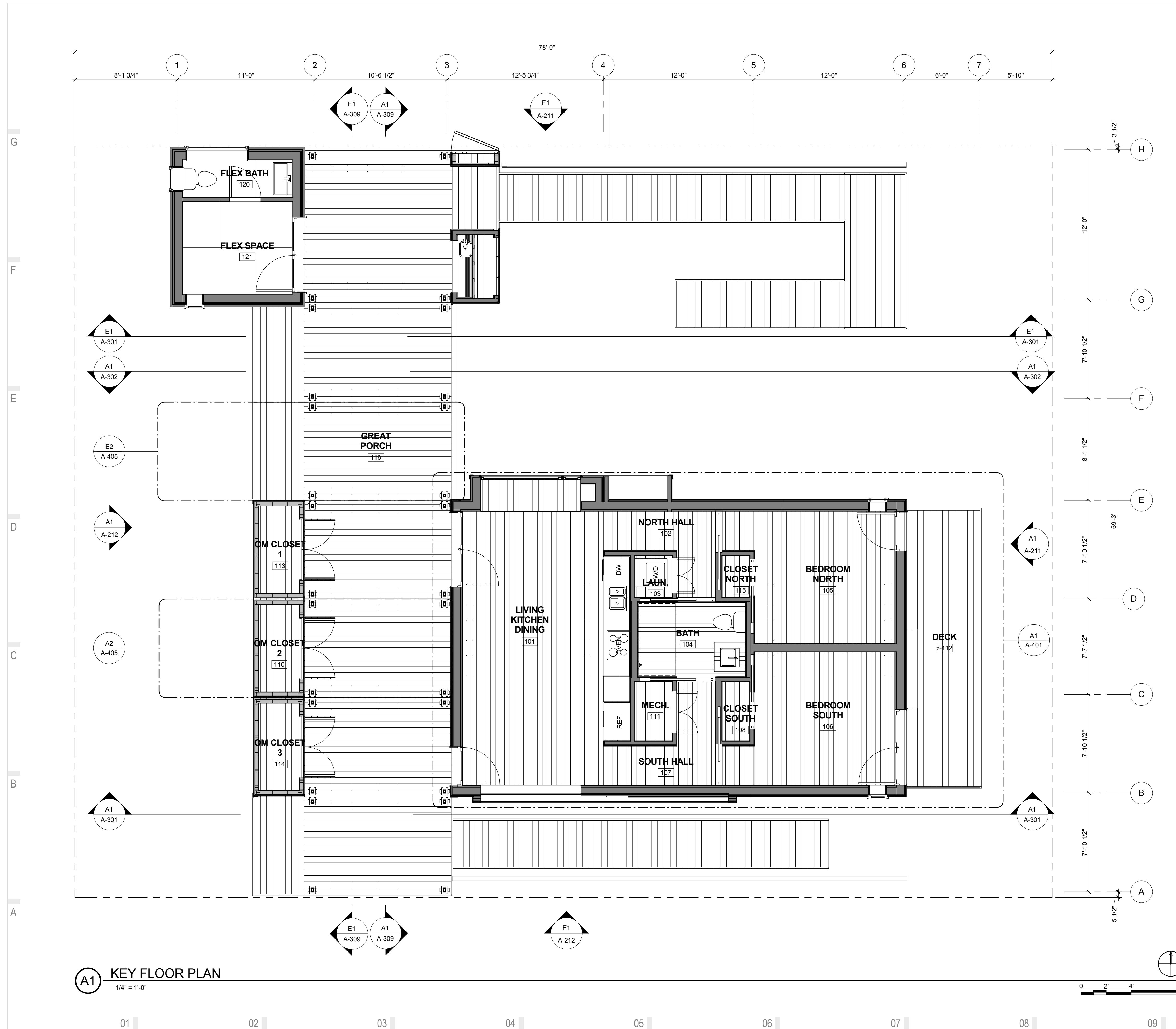
SHEET NUMBER:

A-111

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



A1 KEY FLOOR PLAN
1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10

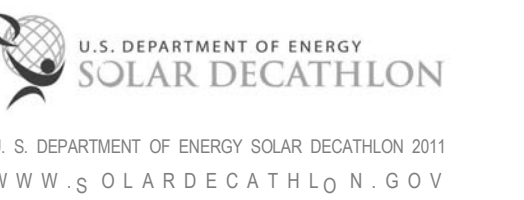


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
CONDITIONED SPACE PLAN

SHEET NUMBER:

A-112

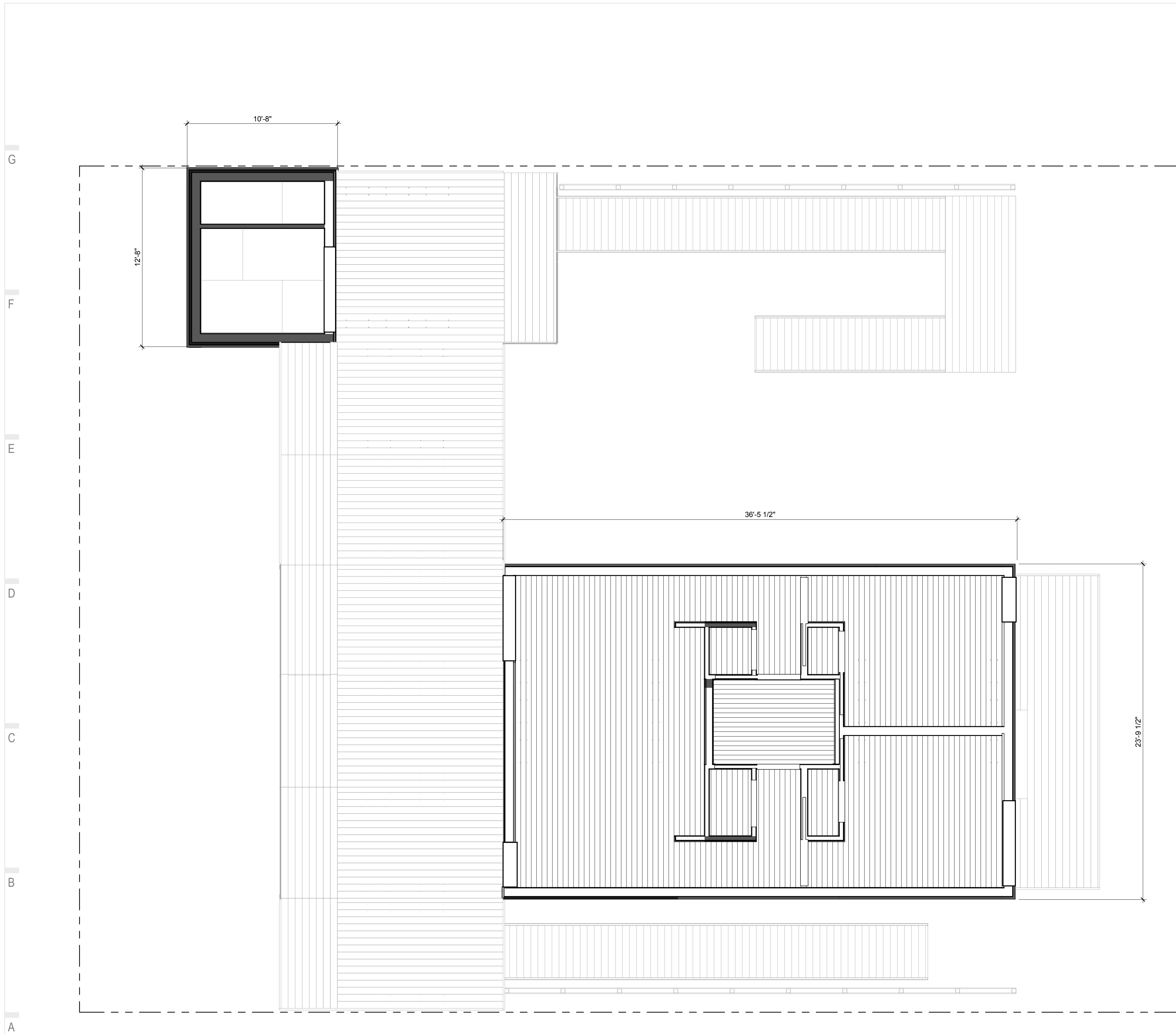
GENERAL SHEET NOTES

- ANSI Z765-2003 STANDARD AND PROCEDURES ARE USED IN THE CALCULATION OF THE AREA OF THIS DETACHED SINGLE-FAMILY DWELLING. THE FINISHED SQUARE FOOTAGE WAS DETERMINED BY SUMMING FINISHED AREAS MEASURED AT THE FLOOR LEVEL TO THE EXTERIOR FINISHED SURFACE OF THE OUTSIDE WALLS.
- THE BAYWINDOW IS A FINISHED AREA NOT AT FLOOR LEVEL AND THEREFORE WAS NOT INCLUDED IN THE FINISHED SQUARE FOOTAGE CALCULATIONS.
- INSET DOORS WERE MEASURED AT EXTERIOR FINISHED DOOR SURFACE NOT ADJACENT WALL SURFACE.
- FLEX HOUSE S.F.= 862 SF
MAIN HOUSE S.F.= 133 SF
TOTAL CONDITIONED= 995 SF
- GREAT PORCH= 803 SF
DECK= 87 SF
OM CLOSETS= 130 SF
TOTAL UNCONDITIONED= 1020 SF
- ROUNDING HAS BEEN RECORDED TO THE NEAREST WHOLE SQUARE FOOT PER ANSI Z765-2003.

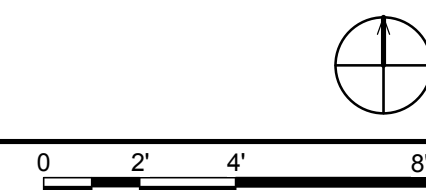
REFERENCE KEYNOTES

SHEET KEYNOTES

- 203 BAY WINDOW/HVAC COMPARTMENT FINISHED WITH PERFORATED CORRUGATED METAL



A1 CONDITIONED SPACE PLAN
1/4" = 1'-0"



01 02 03 04 05 06 07 08 09 10

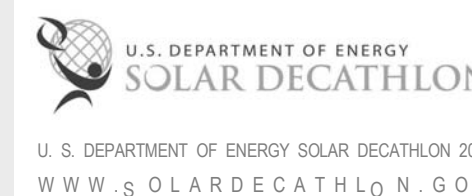


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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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MARK - DATE - DESCRIPTION

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:

A-113

GENERAL SHEET NOTES

- HOUSE & FLEX SPACE ROOF TO BE EQUIPPED WITH FALL RESTRAINTS THAT COMPLY WITH SAFETY REQUIREMENT

ROOF PLAN LEGEND

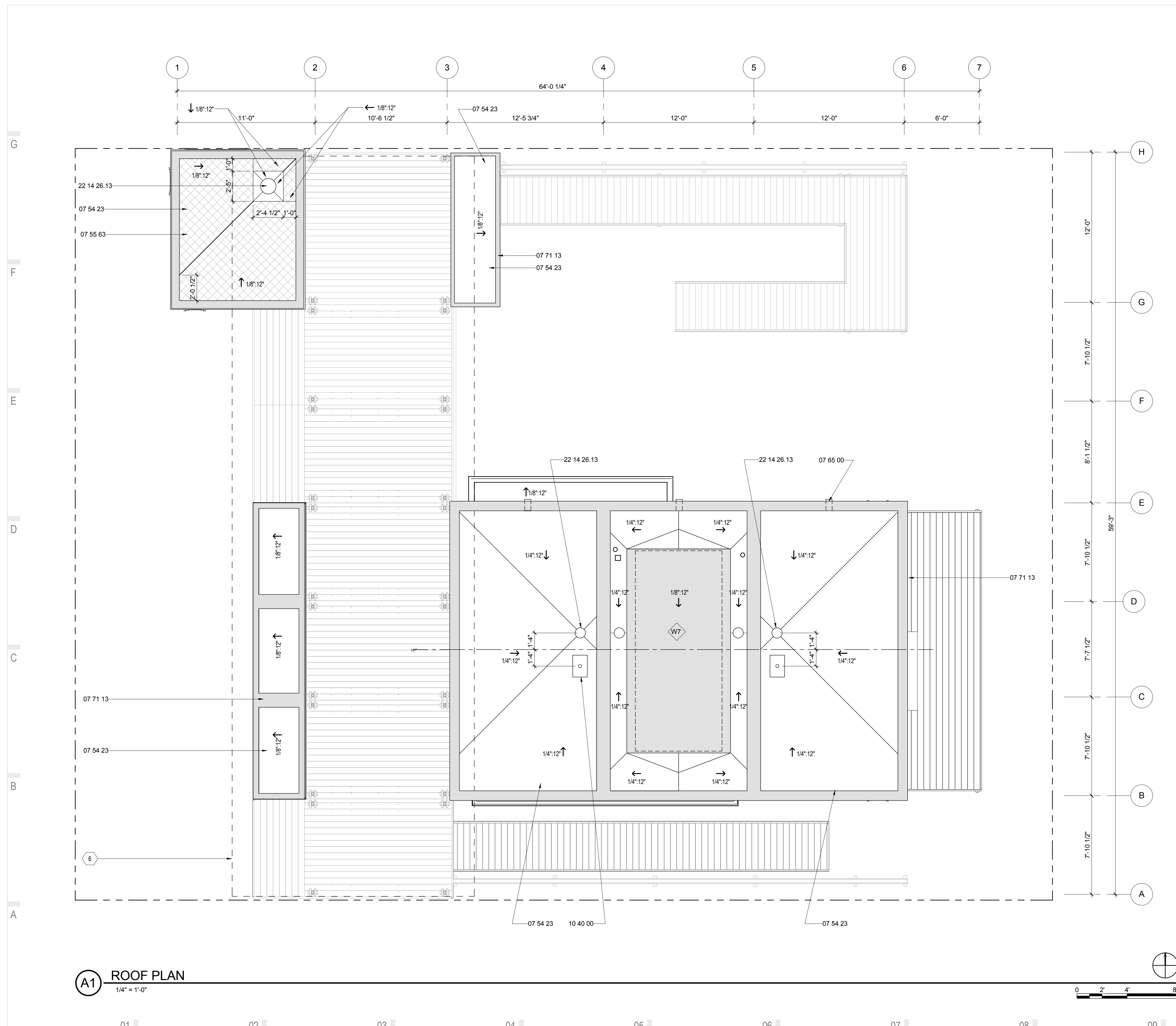
- SAFETY LOOP
- PLUMBING VENT
- ROOF DRAIN
- EXHAUST VENT
- VEGETATED ROOF

REFERENCE KEYNOTES

- | | |
|-------------|--------------------------------------|
| 07 54 23 | THERMOPLASTIC-POLYOLEFIN ROOFING |
| 07 55 63 | VEGETATED PROTECTED MEMBRANE ROOFING |
| 07 65 00 | FLEXIBLE FLASHING |
| 07 71 13 | MANUFACTURED COPINGS |
| 10 40 00 | SAFETY SPECIALTIES |
| 22 14 26.13 | ROOF DRAINS |

SHEET KEYNOTES

- SOLAR CANOPY ABOVE



A1 ROOF PLAN
1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10

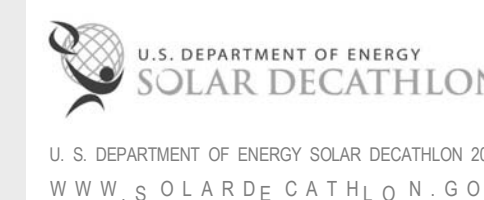


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
CANOPY ROOF PLAN

SHEET NUMBER:

A-114

GENERAL SHEET NOTES

- CANOPY WALKWAY TO BE EQUIPPED WITH FALL RESTRAINTS SUFFICIENT TO COMPLY WITH ALL SAFETY REQUIREMENTS

CANOPY ROOF LEGEND

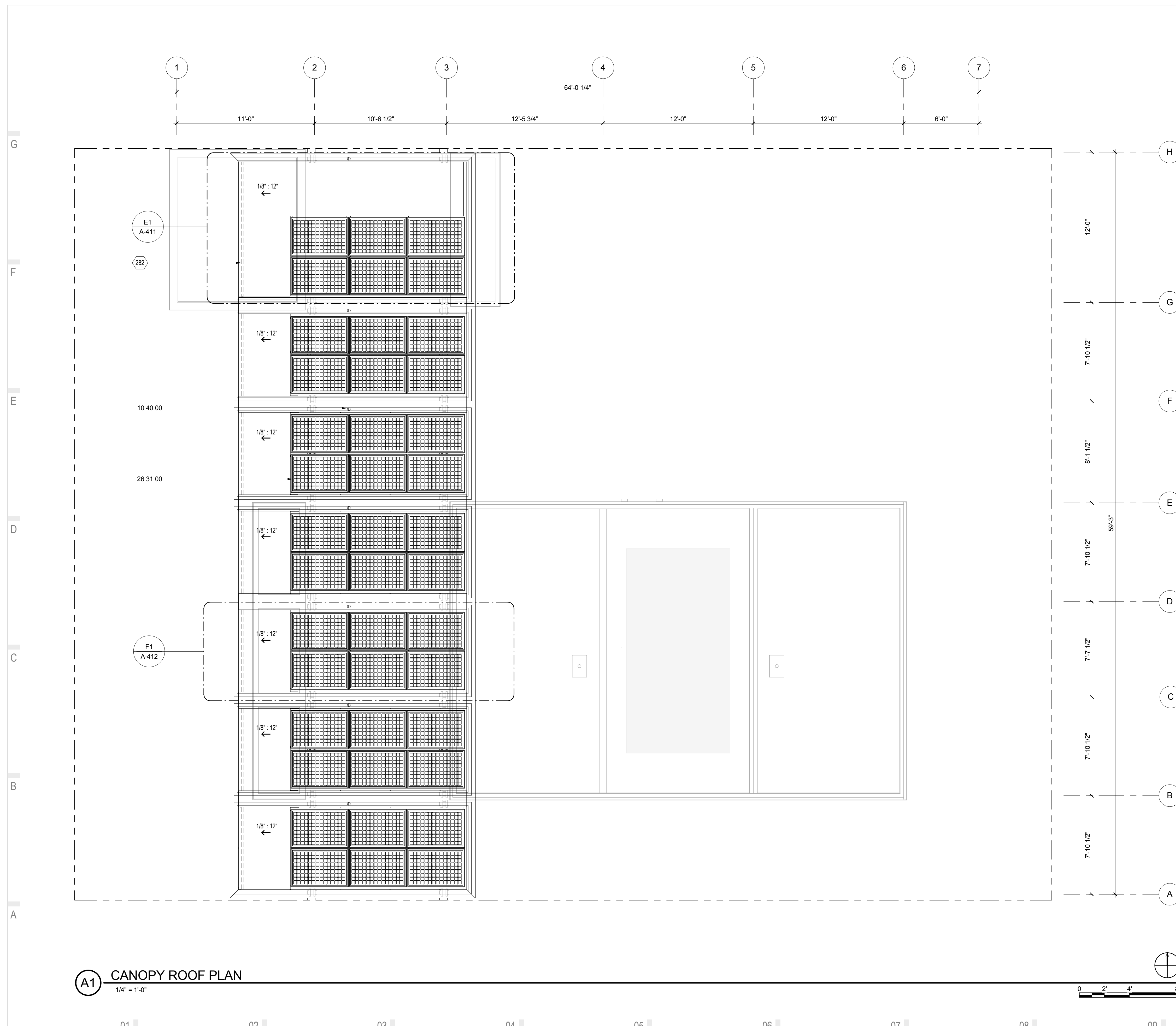
- SAFETY LOOP
- D RING SAFETY ANCHOR CONNECTOR

REFERENCE KEYNOTES

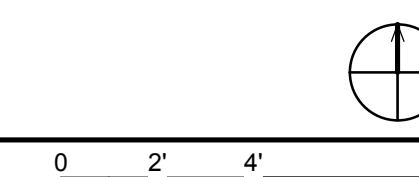
- 10 40 00 SAFETY SPECIALTIES
- 26 31 00 PHOTOVOLTAIC COLLECTORS

SHEET KEYNOTES

- 282 DRAINAGE TROUGH WITH PERFORATED HOLES FOR RUNOFF



A1 CANOPY ROOF PLAN
1/4" = 1'-0"



01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10



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SOLARHOMESTEAD@APPSTATE.EDU
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MARK - DATE - DESCRIPTION

SHEET TITLE:
REFLECTED CEILING PLAN

SHEET NUMBER:

A-121

GENERAL SHEET NOTES

1. FOAM PLASTIC INSULATION SHALL BE SEPARATED FROM THE BUILDING INTERIOR BY A MINIMUM OF 1/2" GYPSUM WALL BOARD

REFLECTED CEILING PLAN LEGEND

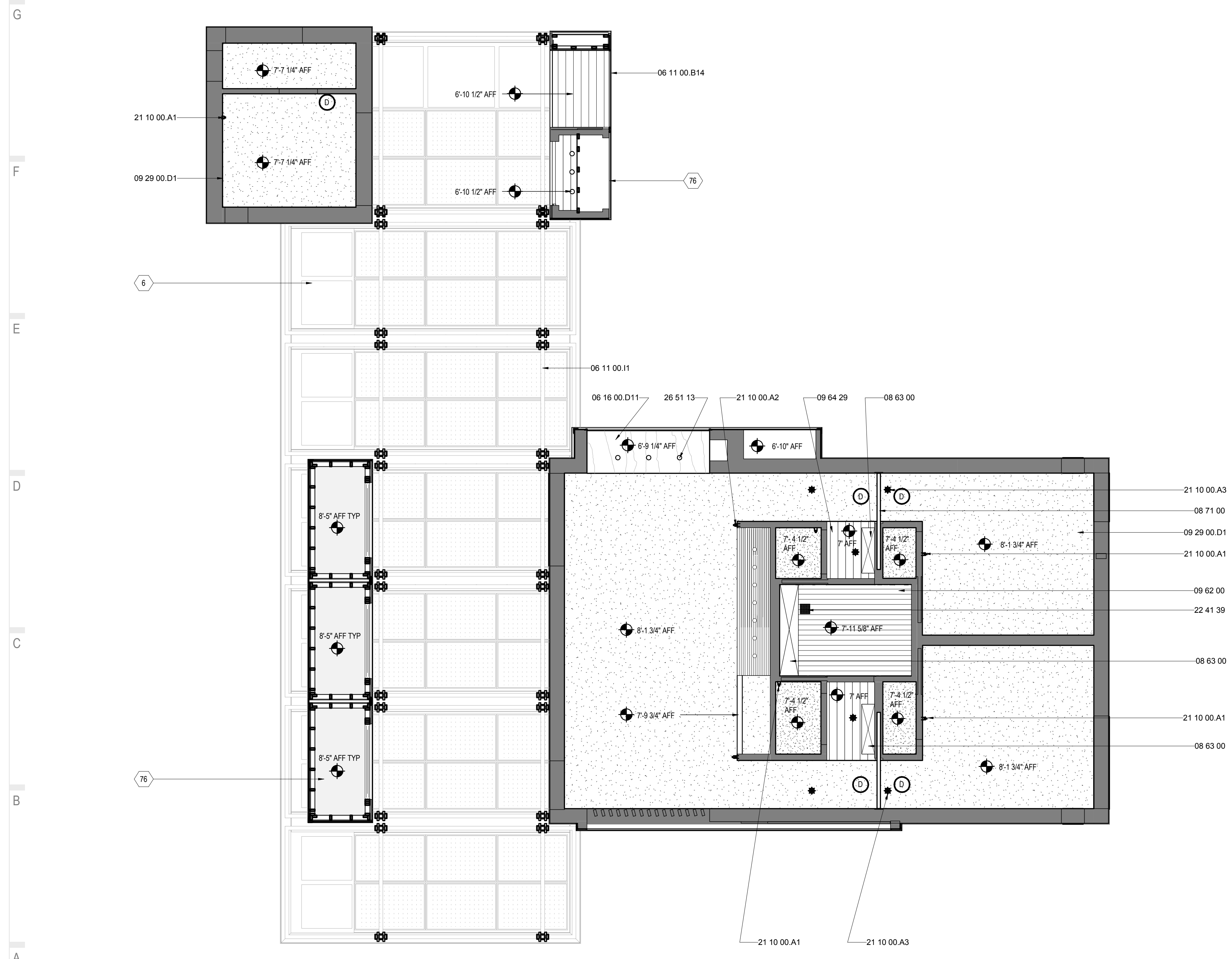
- GYPSUM WALL BOARD
09 29 00.A3
- AC PLYWOOD
- BUTCHER BLOCK
- LOCUST DECKING
- 3/4" EXTERIOR GRADE PLYWOOD
- PUCK LIGHT
- FLUORESCENT TUBE
- WALL MOUNTED FIRE-SUPPRESSION- K 4.2
- WALL MOUNTED FIRE-SUPPRESSION- K 5.6
- CEILING MOUNTED FIRE-SUPPRESSION- K 4.9
- CEILING MOUNTED FIRE DETECTOR

REFERENCE KEYNOTES

- | | |
|--------------|---|
| 06 11 00.B14 | TREATED 5/4X6 |
| 06 11 00.I1 | 2X12 |
| 06 16 00.D11 | 3/4" PLYWOOD |
| 08 63 00 | METAL-FRAMED SKYLIGHTS |
| 08 71 00 | DOOR HARDWARE |
| 09 29 00.D1 | 5/8" GYPSUM WALLBOARD |
| 09 62 00 | SPECIALTY FLOORING |
| 09 64 29 | WOOD STRIP AND PLANK FLOORING |
| 12 36 19 | WOOD COUNTERTOPS |
| 21 10 00.A1 | 4.2K HORIZONTAL SIDEWALL SPRINKLER |
| 21 10 00.A2 | 5.6K HORIZONTAL SIDEWALL SPRINKLER |
| 21 10 00.A3 | 4.9K CONCEALED PENDENT SPRINKLER |
| 22 41 39 | RESIDENTIAL FAUCETS, SUPPLIES AND TRIM |
| 26 51 13 | INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS |

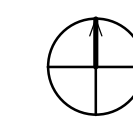
SHEET KEYNOTES

- | | |
|----|--------------------|
| 6 | SOLAR CANOPY ABOVE |
| 76 | EXPOSED FRAMING |



A1 REFLECTED CEILING PLAN

1/4" = 1'-0"



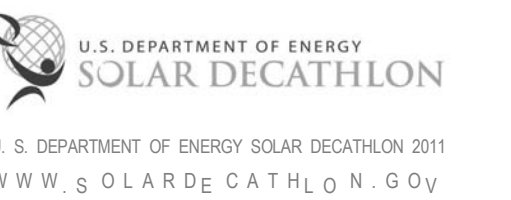
01 02 03 04 05 06 07 08 09 10



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 APPALACHIAN STATE UNIVERSITY
 1100 EAST KING STREET
 BOONE, NC 28607
 PHONE: 828.262.8519
 SOLARHOMESTEAD@APPSTATE.EDU
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 STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
 SOLAR ENVELOPE ELEVATIONS

SHEET NUMBER:

A-201

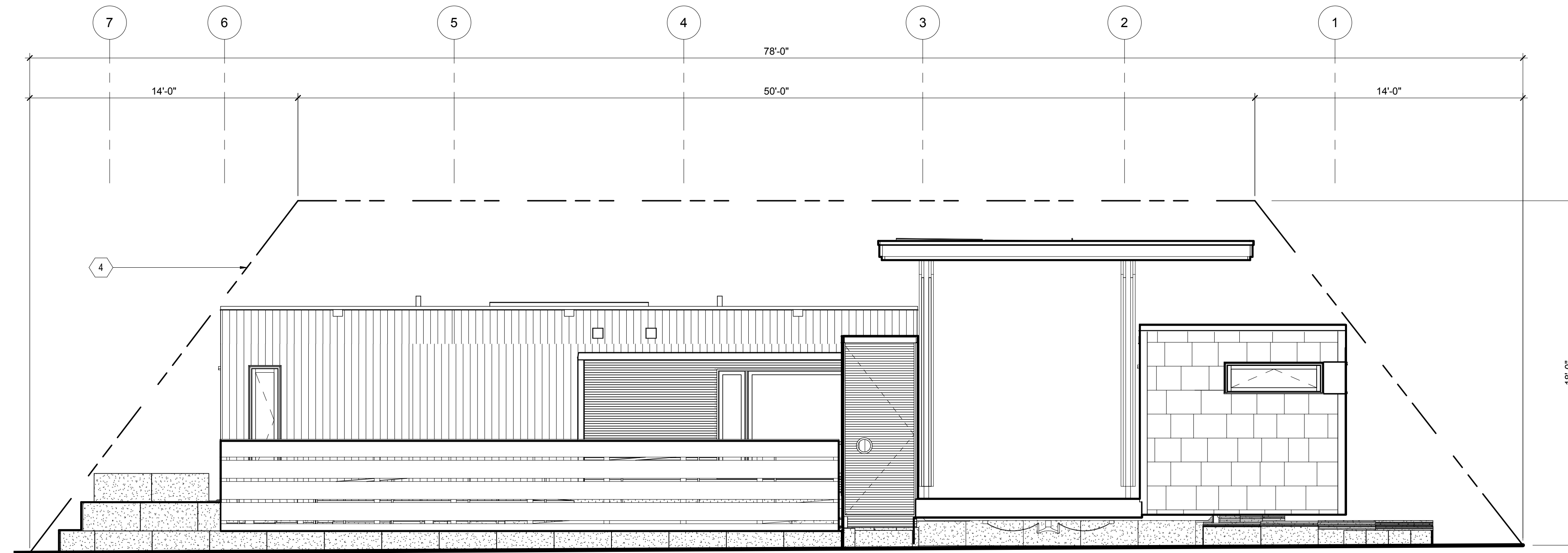
GENERAL SHEET NOTES

1. ALL BUILDING ELEMENTS TO RESIDE WITHIN COMPETITION DEFINED SOLAR ENVELOPE
2. ALL FOUNDATION AND AUXILIARY ELEMENTS RESIDING ON GRADE SHALL NOT EXCEED THE MAXIMUM ALLOWABLE SOIL LOAD OF 1500PSF.

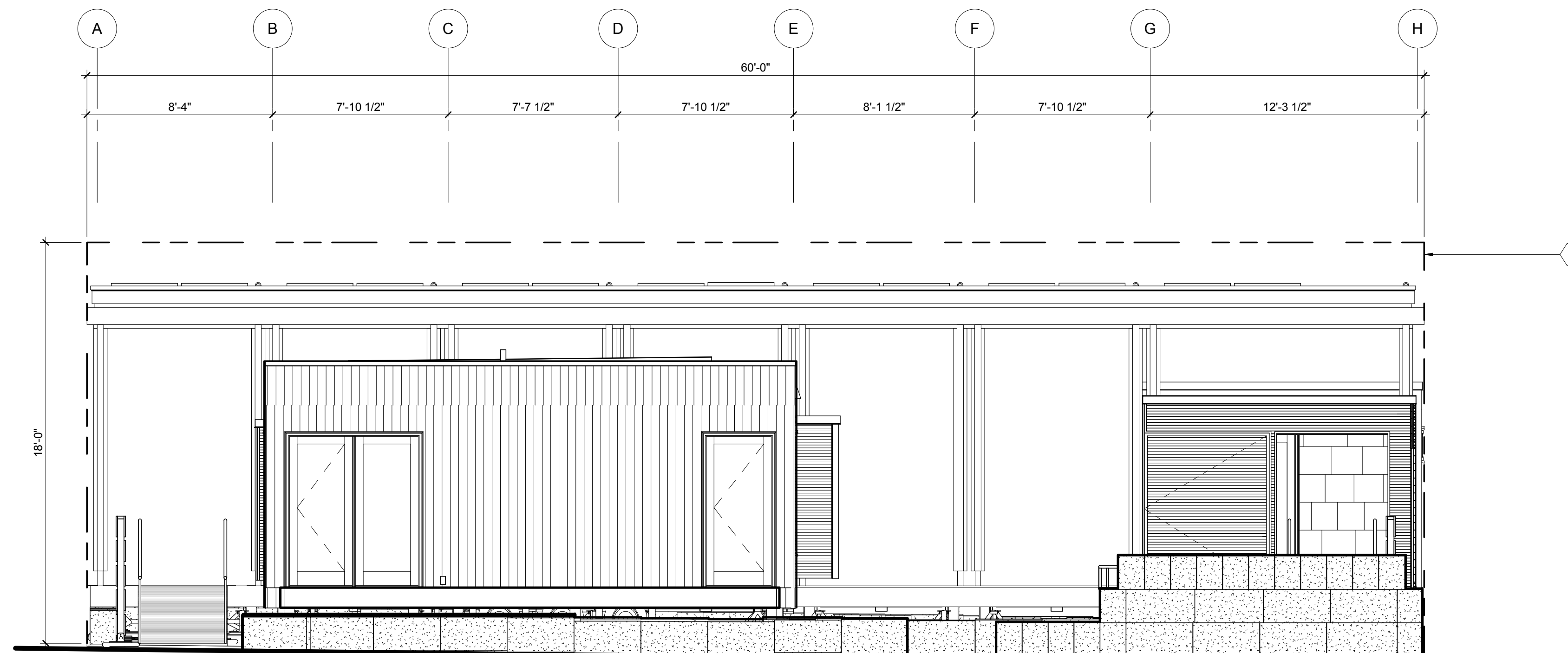
REFERENCE KEYNOTES

SHEET KEYNOTES

- 4 SOLAR ENVELOPE



E1 SITE NORTH ELEVATION
 1/4" = 1'-0"



A1 SITE EAST ELEVATION
 1/4" = 1'-0"



01

02

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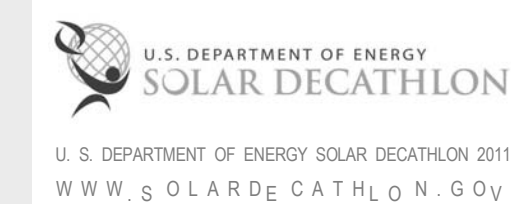
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 APPALACHIAN STATE UNIVERSITY
 1100 EAST KING STREET
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MARK - DATE - DESCRIPTION

GENERAL SHEET NOTES

1. ALL BUILDING ELEMENTS TO RESIDE WITHIN COMPETITION DEFINED SOLAR ENVELOPE
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3. ALL CONSTRUCTION ACTIVITY AND EQUIPMENT USE TO CONFORM TO ALL SECTIONS OF "SITE OPERATIONS" (RULE 4) OF THE CURRENT EDITION OF SOLAR DECATHLON RULES.

REFERENCE KEYNOTES

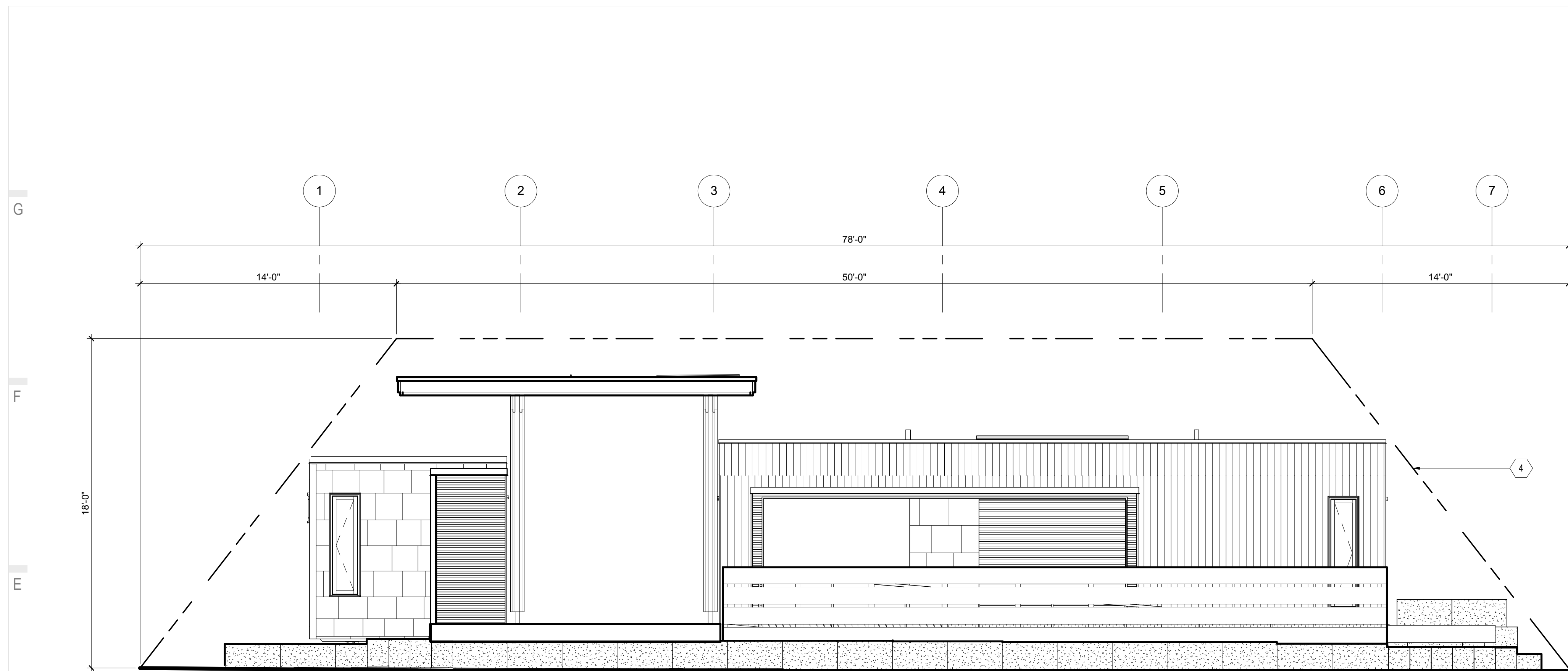
SHEET KEYNOTES

- 4 SOLAR ENVELOPE

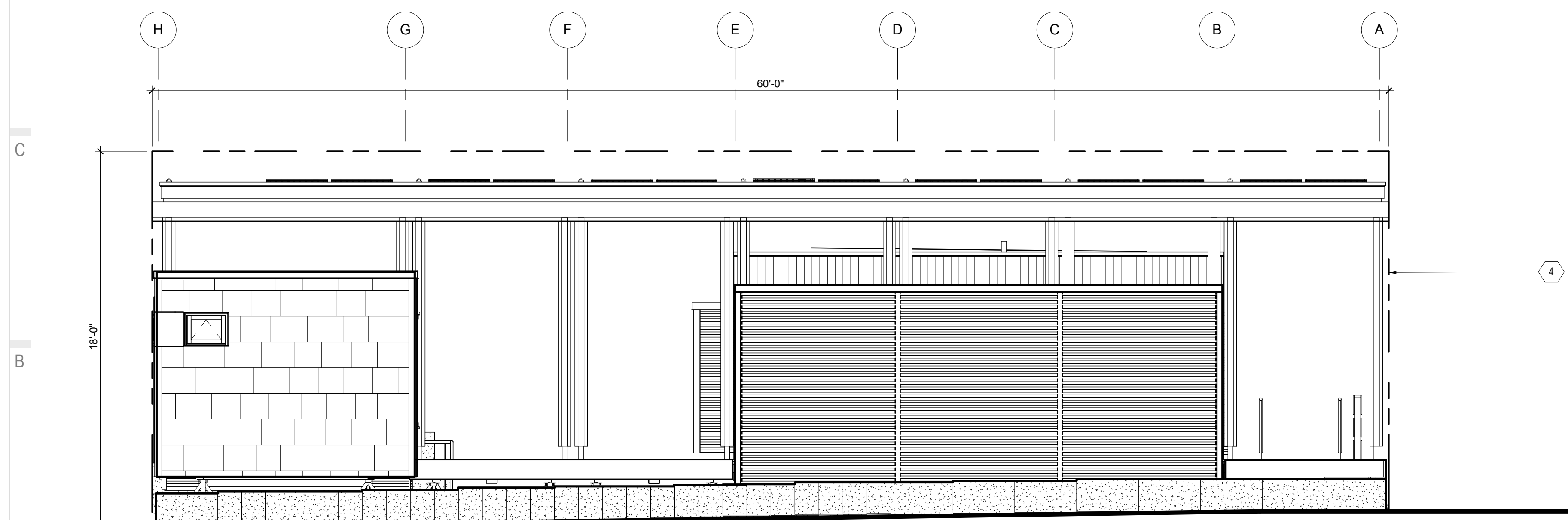
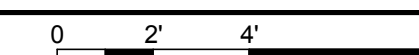
SHEET TITLE:
 SOLAR ENVELOPE ELEVATIONS

SHEET NUMBER:

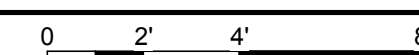
A-202



E1 SITE ELEVATION SOUTH
 1/4" = 1'-0"



A1 SITE ELEVATION WEST
 1/4" = 1'-0"





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MARK - DATE - DESCRIPTION

SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET NUMBER:

A-211

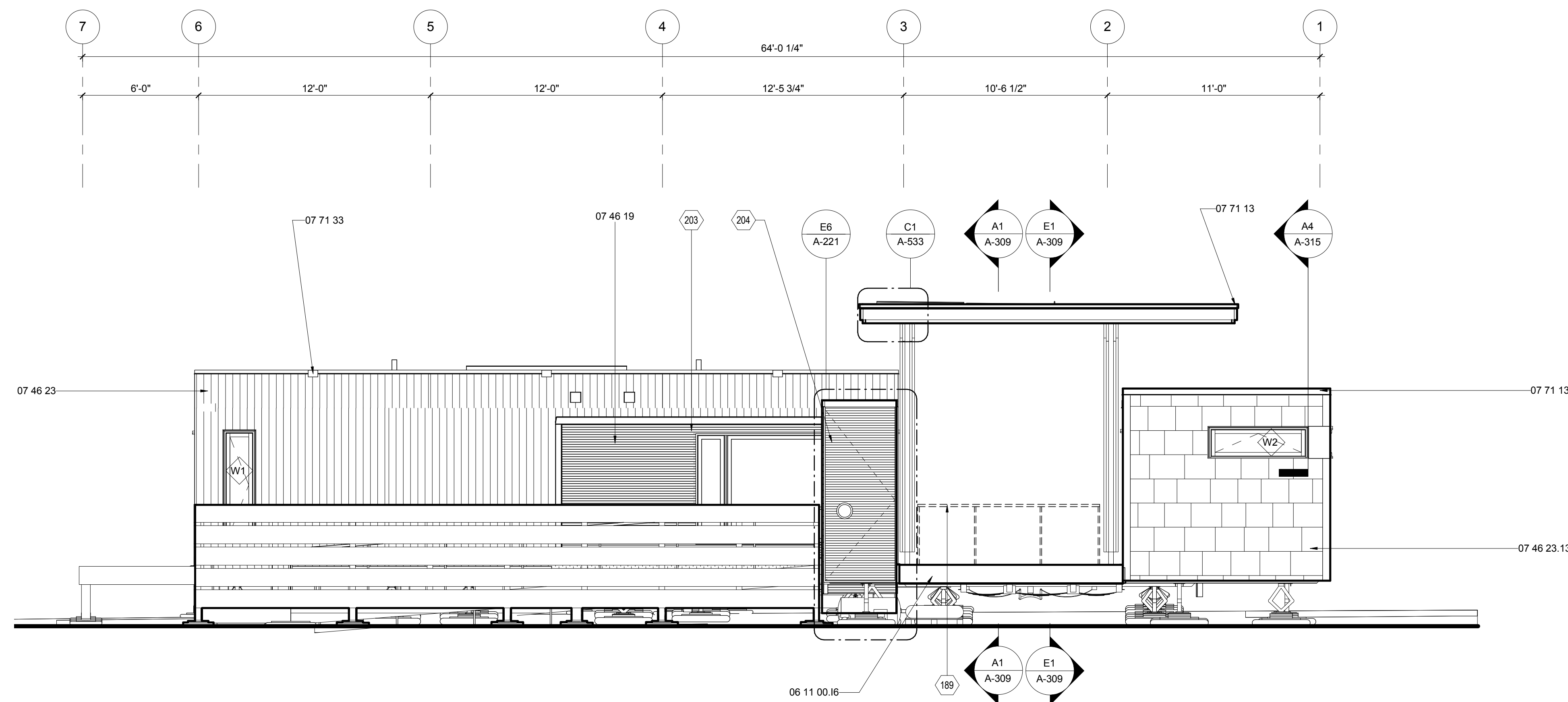
GENERAL SHEET NOTES

REFERENCE KEYNOTES

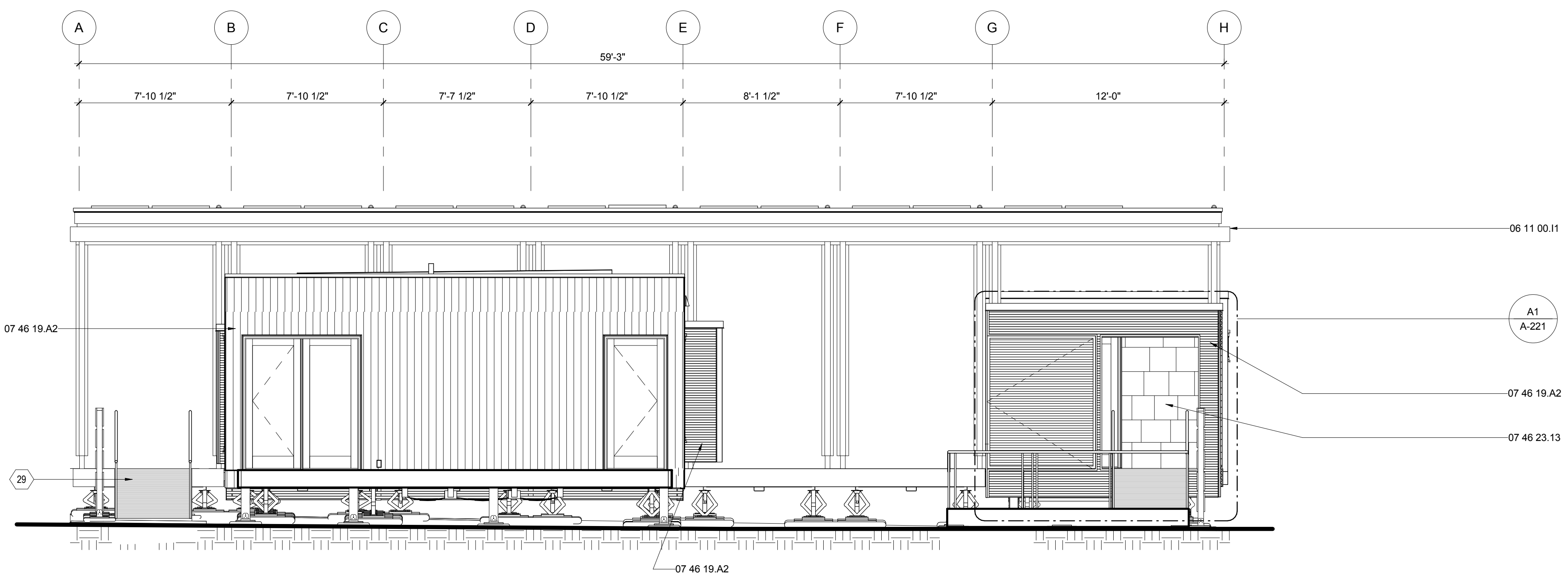
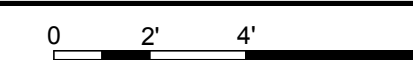
06 11 00.11	2X12
06 11 00.16	TREATED 2X12
07 46 19	STEEL SIDING
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 23	WOOD SIDING
07 46 23.13	WOOD BARK SHINGLE SIDING
07 71 13	MANUFACTURED COPINGS
07 71 33	MANUFACTURED SCUPPERS

SHEET KEYNOTES

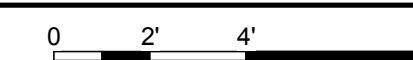
29	1:12 MAX SLOPE RAMP
189	OPTIONAL GUARDRAIL WITH 5" LANDING IF DECK FF EXCEEDS 30" ABOVE FINISH GRADE
203	BAY WINDOW/HVAC COMPARTMENT FINISHED WITH PERFORATED CORRUGATED METAL
204	OUTDOOR KITCHEN



E1 NORTH ELEVATION
1/4" = 1'-0"



A1 EAST ELEVATION
1/4" = 1'-0"



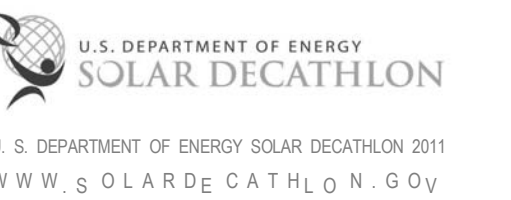


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET NUMBER:

A-212

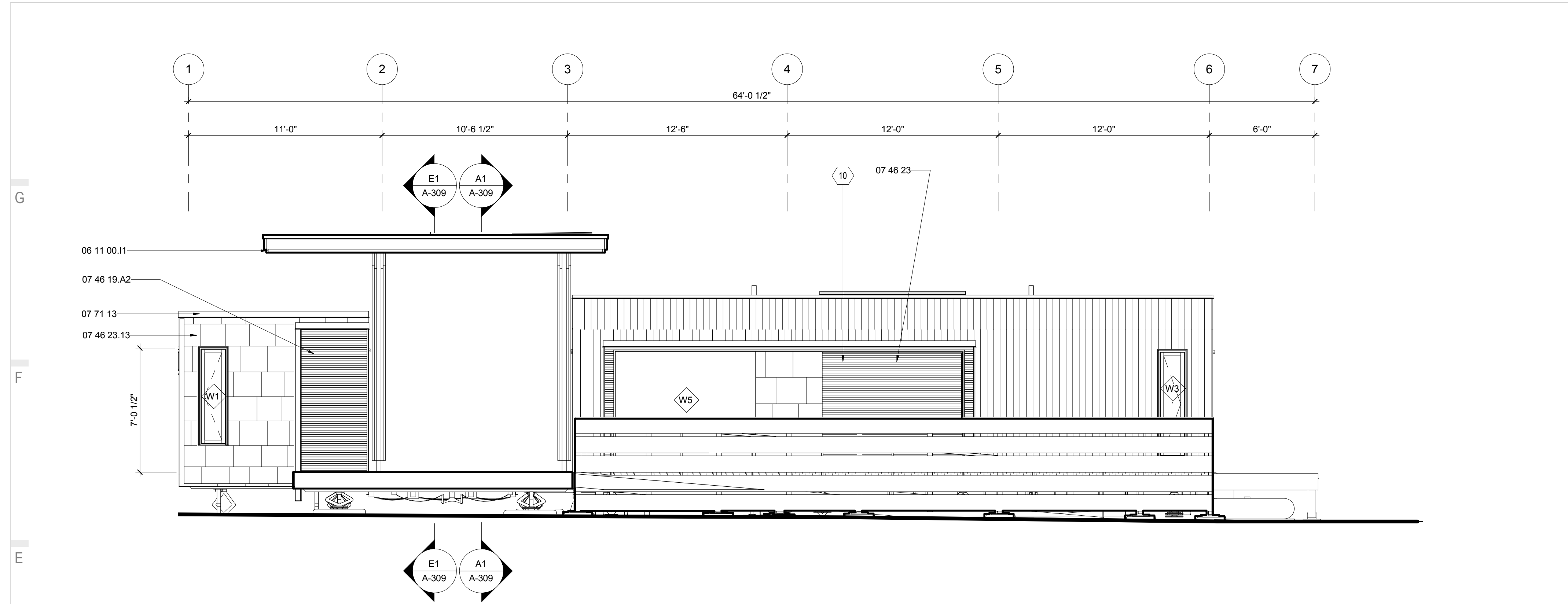
GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 11 00.11	2X12
06 11 00.16	TREATED 2X12
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 23	WOOD SIDING
07 46 23.13	WOOD BARK SHINGLE SIDING
07 71 13	MANUFACTURED COPINGS

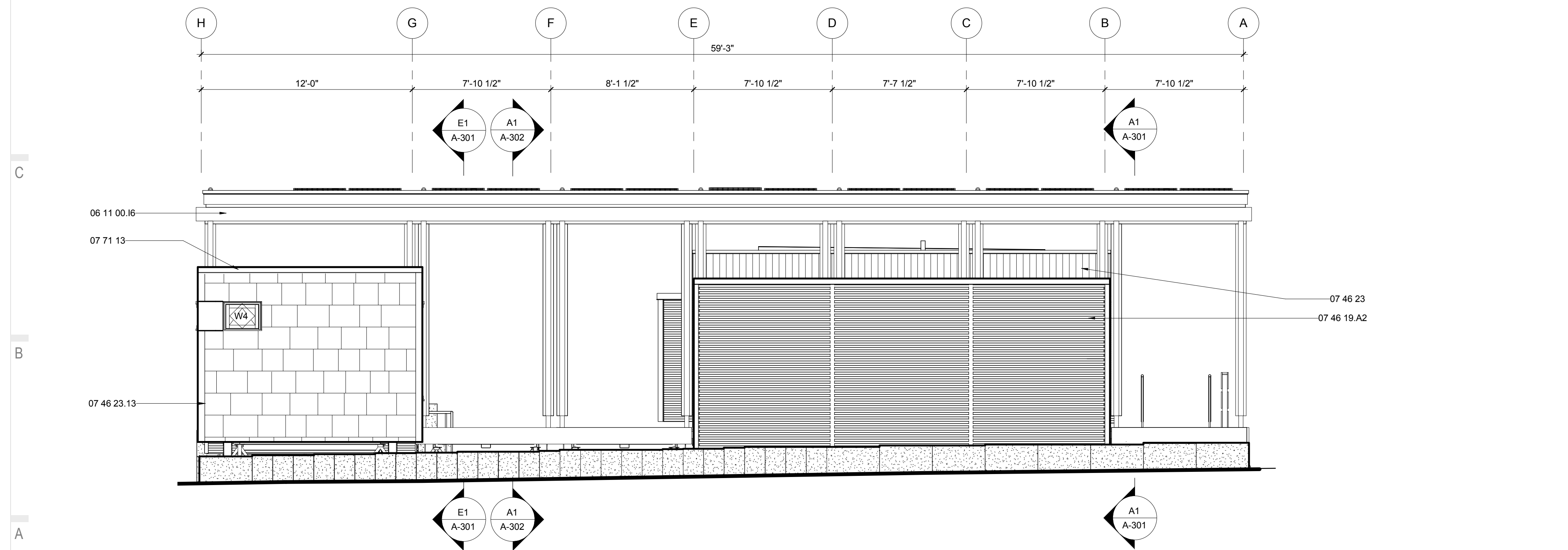
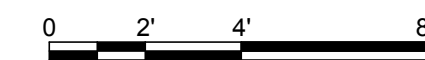
SHEET KEYNOTES

10	SLIDING ALUMINUM FRAME DOOR WITH GALVANIZED TRACK AND TROLLEYS CONCEALED AT TOP AND BOTTOM
----	--



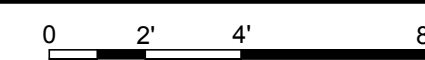
E1 SOUTH ELEVATION

1/4" = 1'-0"



A1 WEST ELEVATION

1/4" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
FLEX KITCHEN ELEVATIONS

SHEET NUMBER:

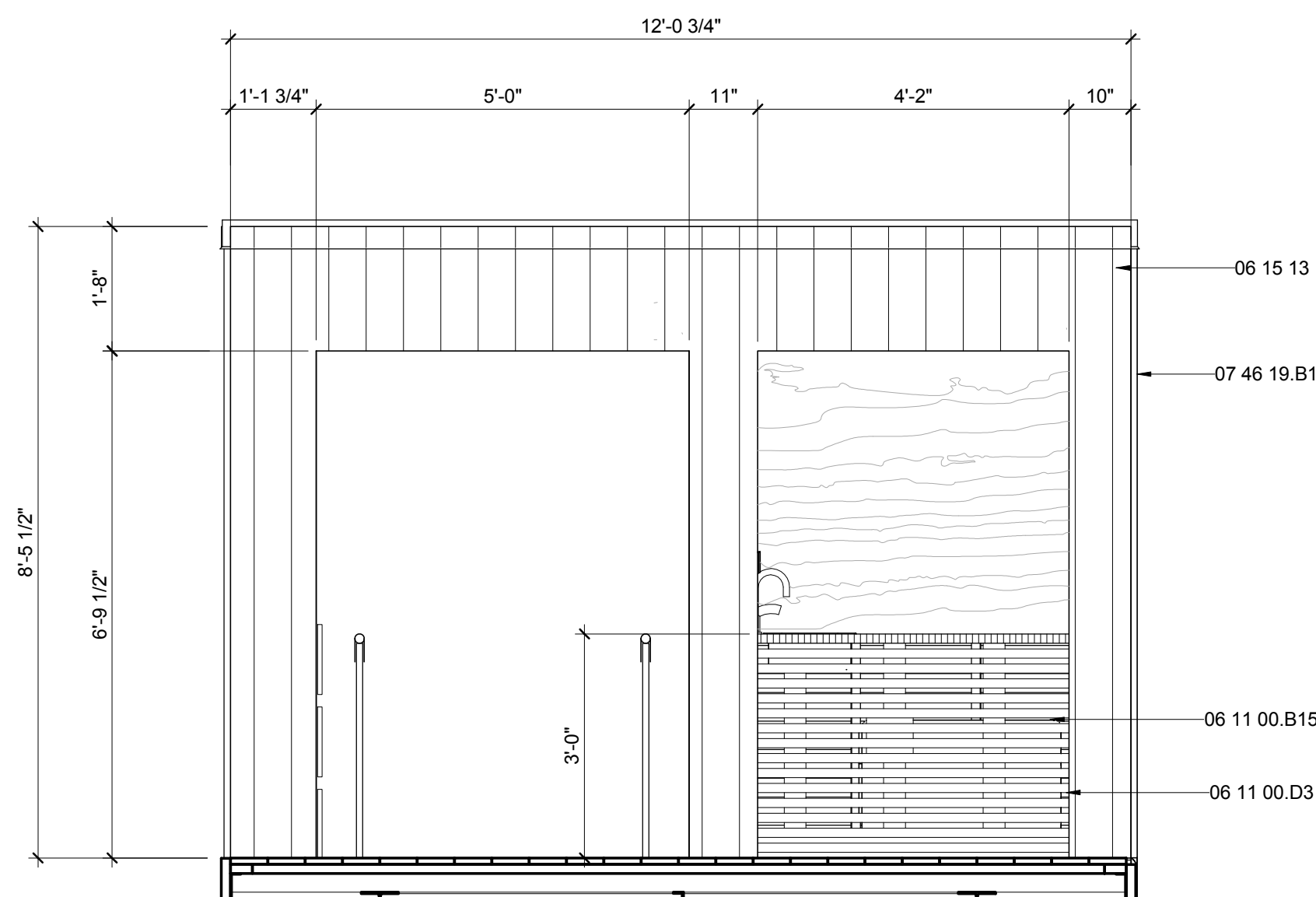
A-221

GENERAL SHEET NOTES

REFERENCE KEYNOTES

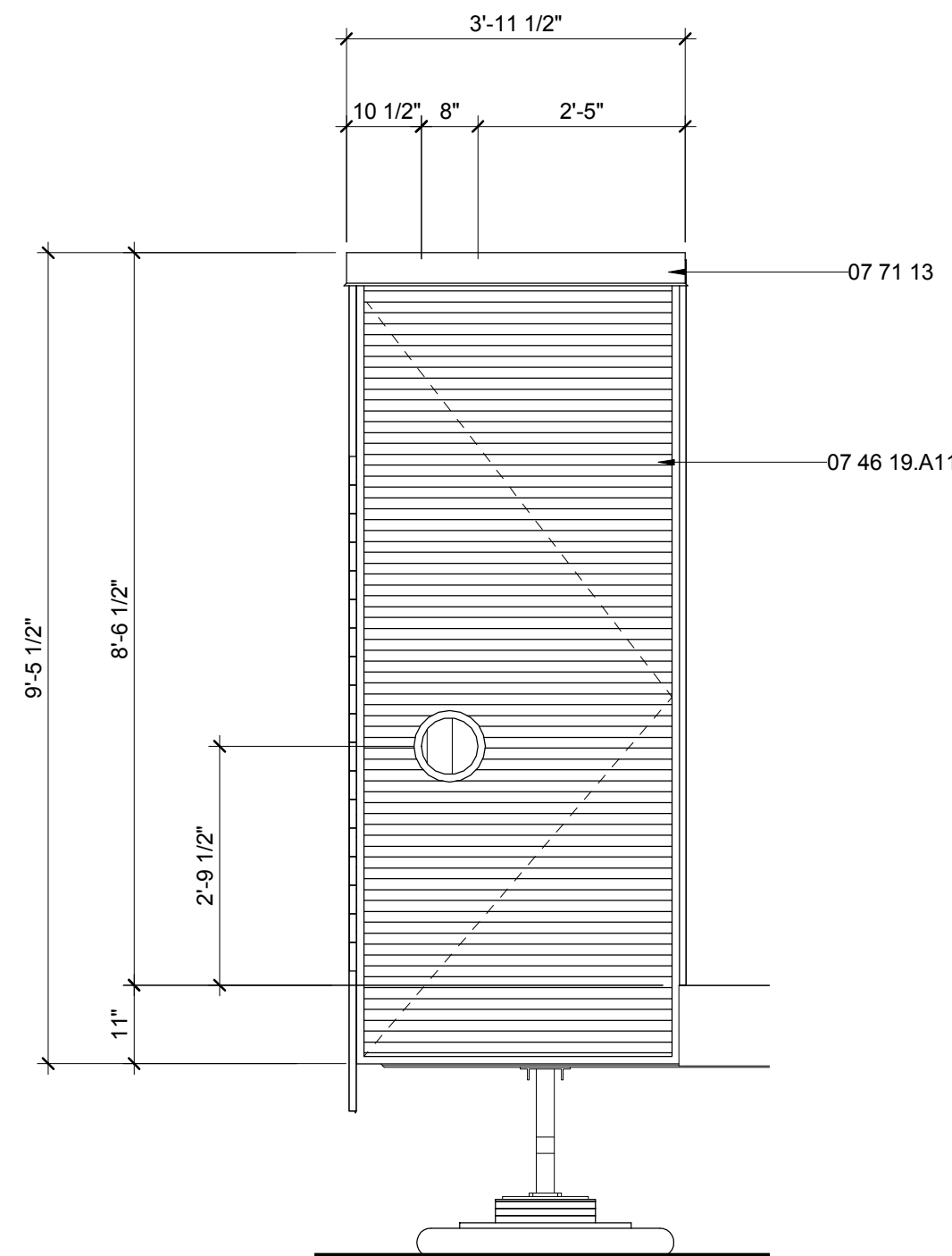
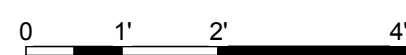
06 11 00.B15	2X2
06 11 00.D3	2X4 FRAMING
06 15 13	WOOD FLOOR DECKING
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 19.B1	1" J CHANNEL
07 71 13	MANUFACTURED COPINGS

SHEET KEYNOTES



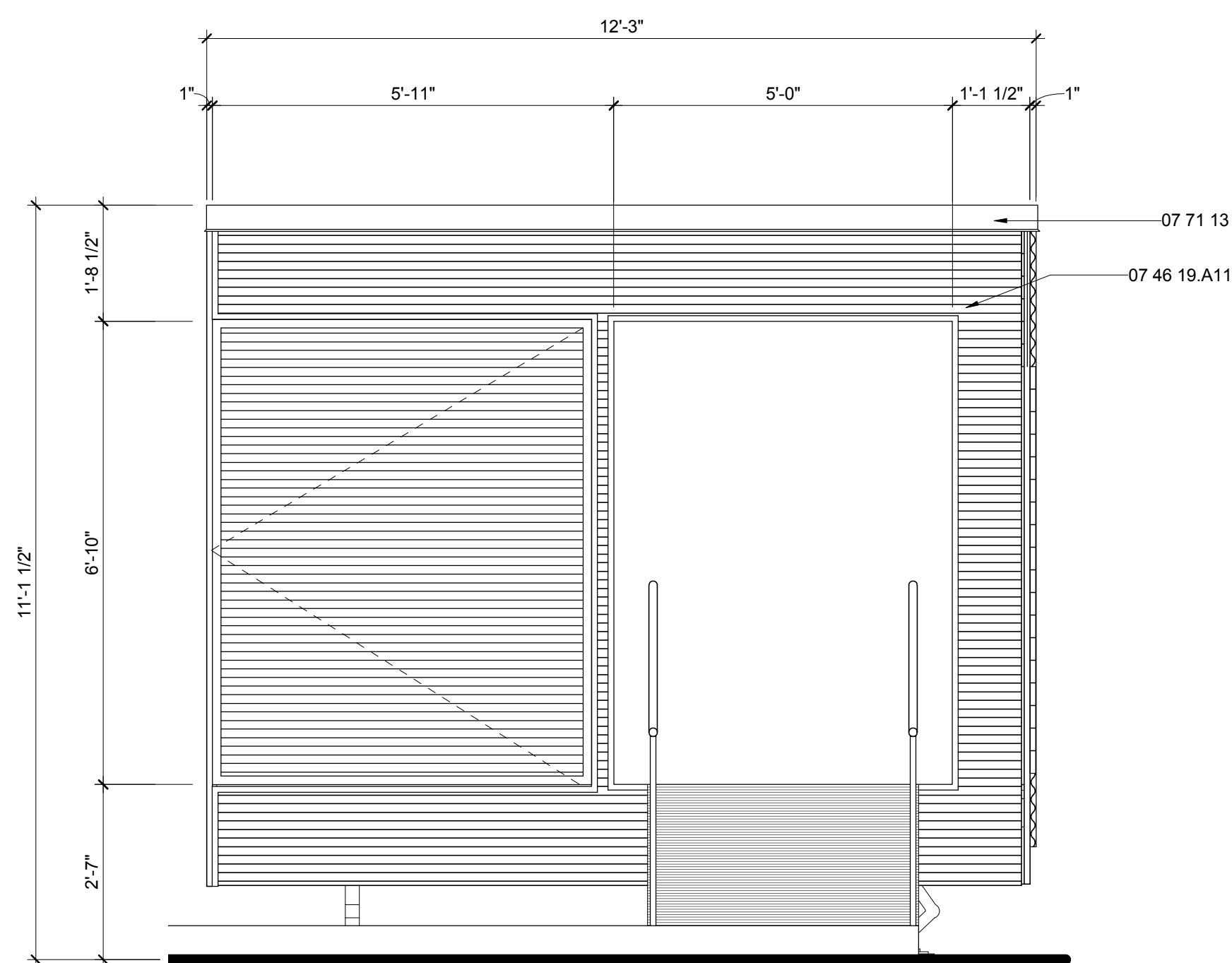
E1 FLEX CLOSET WEST ELEVATION

1/2" = 1'-0"



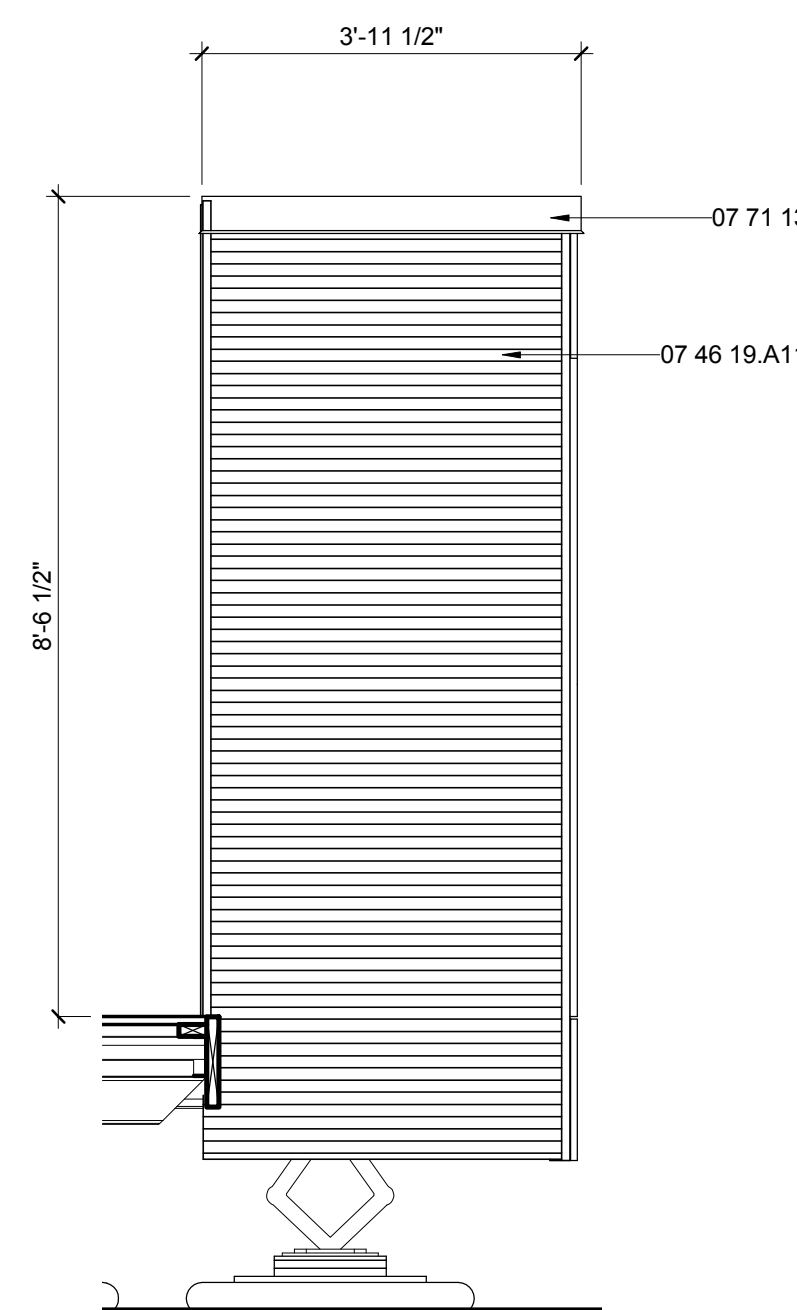
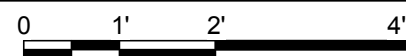
E6 FLEX CLOSET NORTH ELEVATION

1/2" = 1'-0"



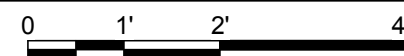
A1 FLEX CLOSET EAST ELEVATION

1/2" = 1'-0"



A6 FLEX CLOSET SOUTH ELEVATION

1/2" = 1'-0"



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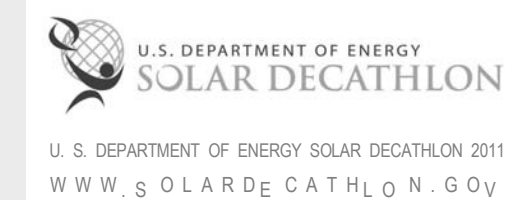


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
SITE SECTIONS

SHEET NUMBER:

A-301

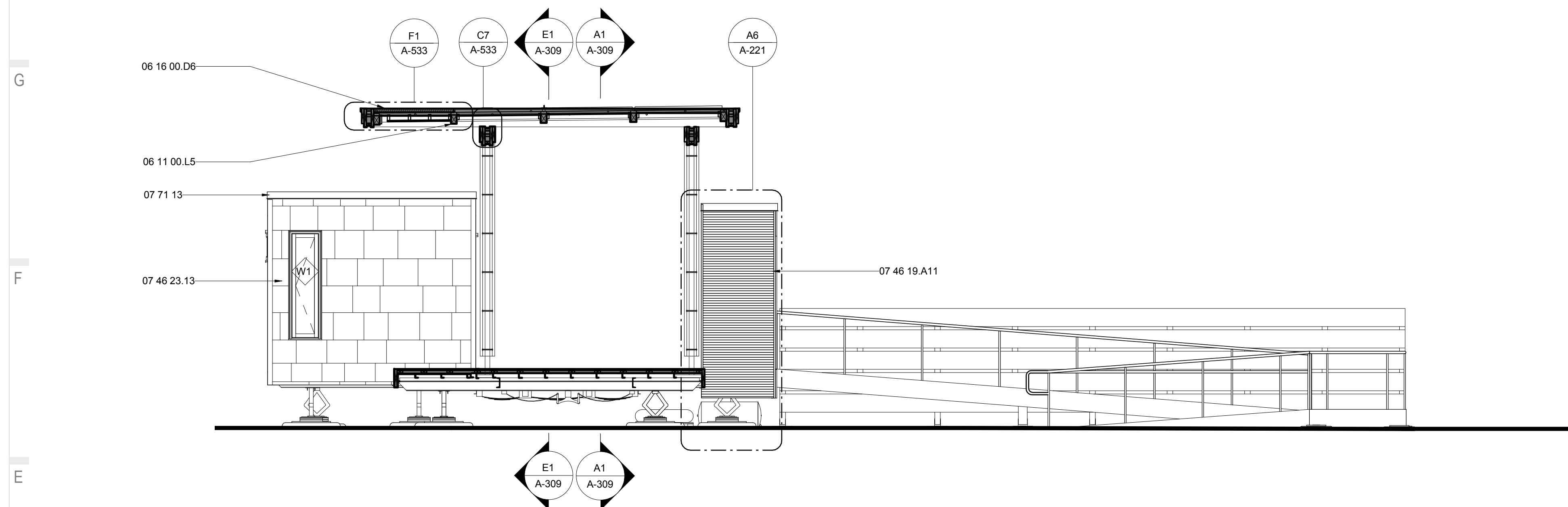
GENERAL SHEET NOTES

REFERENCE KEYNOTES

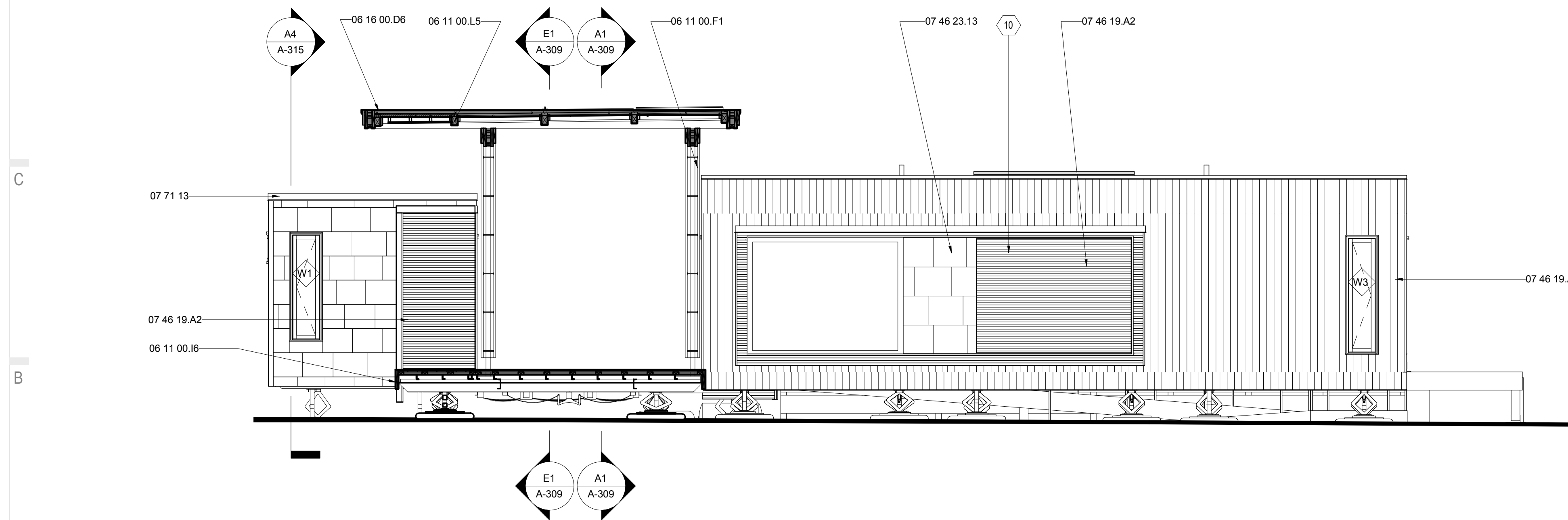
06 11 00.F1	2X6
06 11 00.I6	TREATED 2X12
06 11 00.L5	4X6 BEAM
06 16 00.D6	1/2" PLYWOOD
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 23.13	WOOD BARK SHINGLE SIDING
07 71 13	MANUFACTURED COPINGS

SHEET KEYNOTES

10	SLIDING ALUMINUM FRAME DOOR WITH GALVANIZED TRACK AND TROLLEYS CONCEALED AT TOP AND BOTTOM
----	--



E1 SITE SECTION NORTH
1/4" = 1'-0"



A1 SITE SECTION NORTH 2
1/4" = 1'-0"



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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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STATUS: AS-BUILT DRAWINGS

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SHEET TITLE:
SITE SECTIONS

SHEET NUMBER:

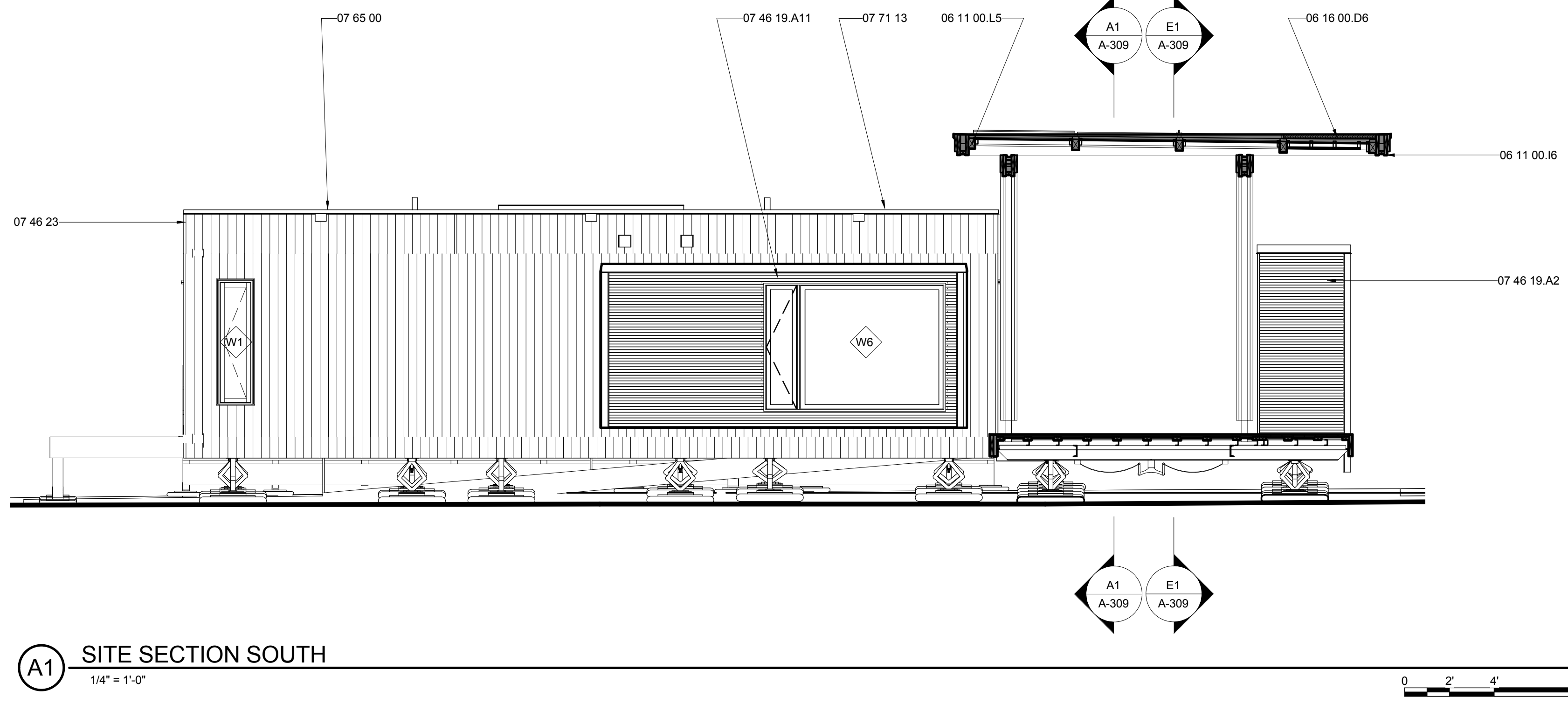
A-302

GENERAL SHEET NOTES

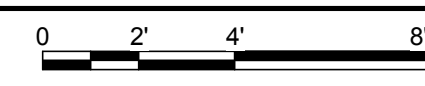
REFERENCE KEYNOTES

06 11 00.I6	TREATED 2X12
06 11 00.L5	4X6 BEAM
06 16 00.D6	1/2" PLYWOOD
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA -PERFORATED
07 46 23	WOOD SIDING
07 65 00	FLEXIBLE FLASHING
07 71 13	MANUFACTURED COPINGS

SHEET KEYNOTES



(A1) SITE SECTION SOUTH
1/4" = 1'-0"



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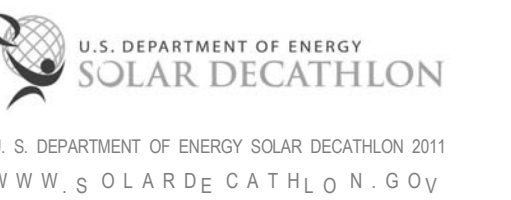


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
LONGITUDINAL BUILDING
SECTIONS

SHEET NUMBER:

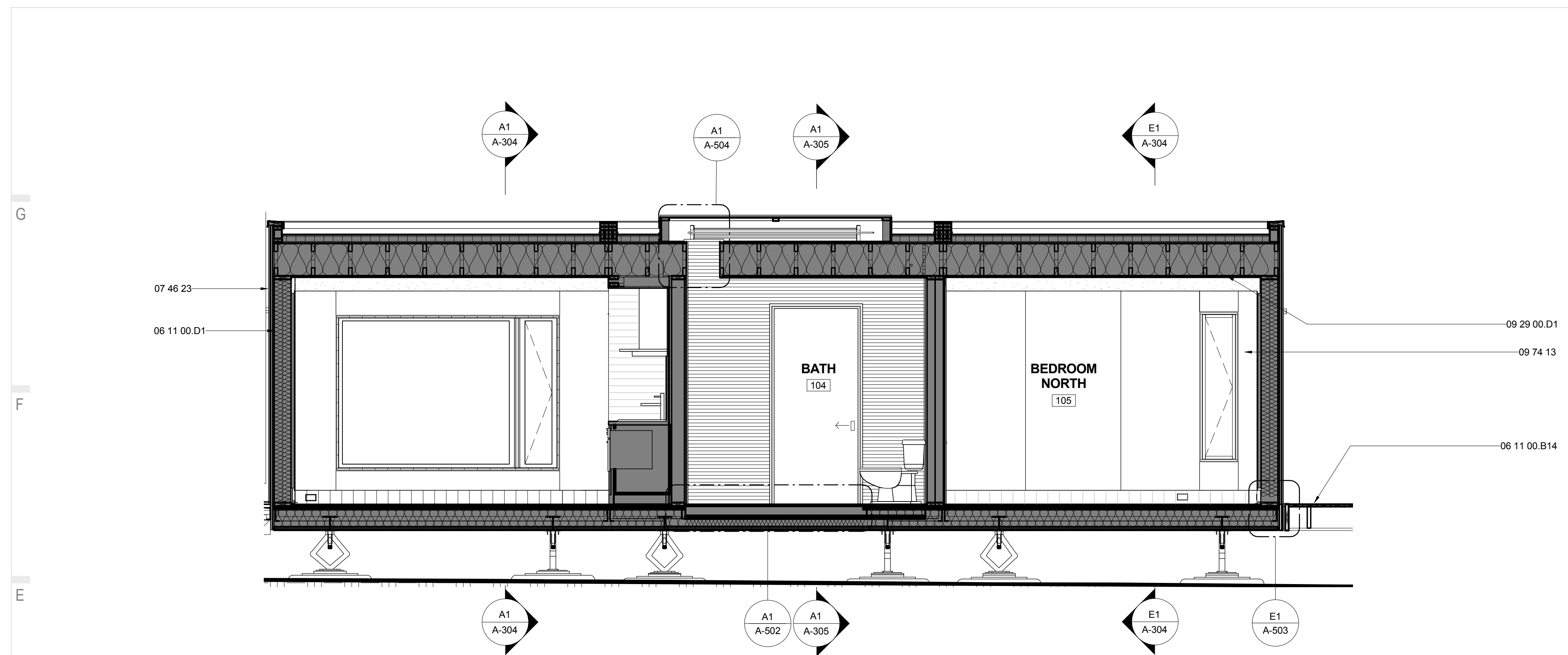
A-303

GENERAL SHEET NOTES

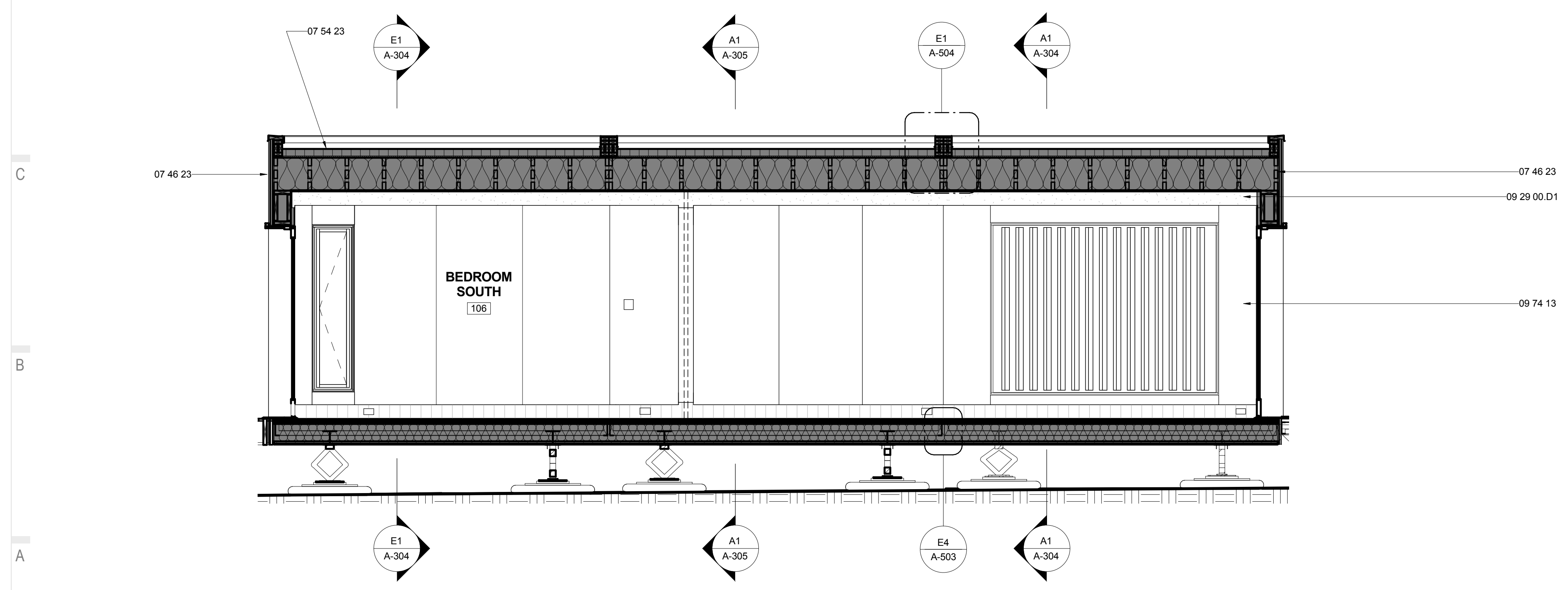
REFERENCE KEYNOTES

06 11 00.B14	TREATED 5/4X6
06 11 00.D1	2X4
07 46 23	WOOD SIDING
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 74 13	WOOD WALL COVERINGS

SHEET KEYNOTES



E1 LONGITUDINAL NORTH SECTION
3/8" = 1'-0"



A1 LONGITUDINAL SOUTH SECTION
3/8" = 1'-0"



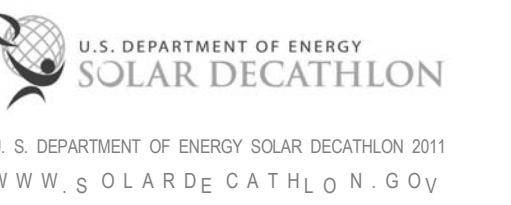


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
TRANSVERSE BUILDING
SECTIONS

SHEET NUMBER:

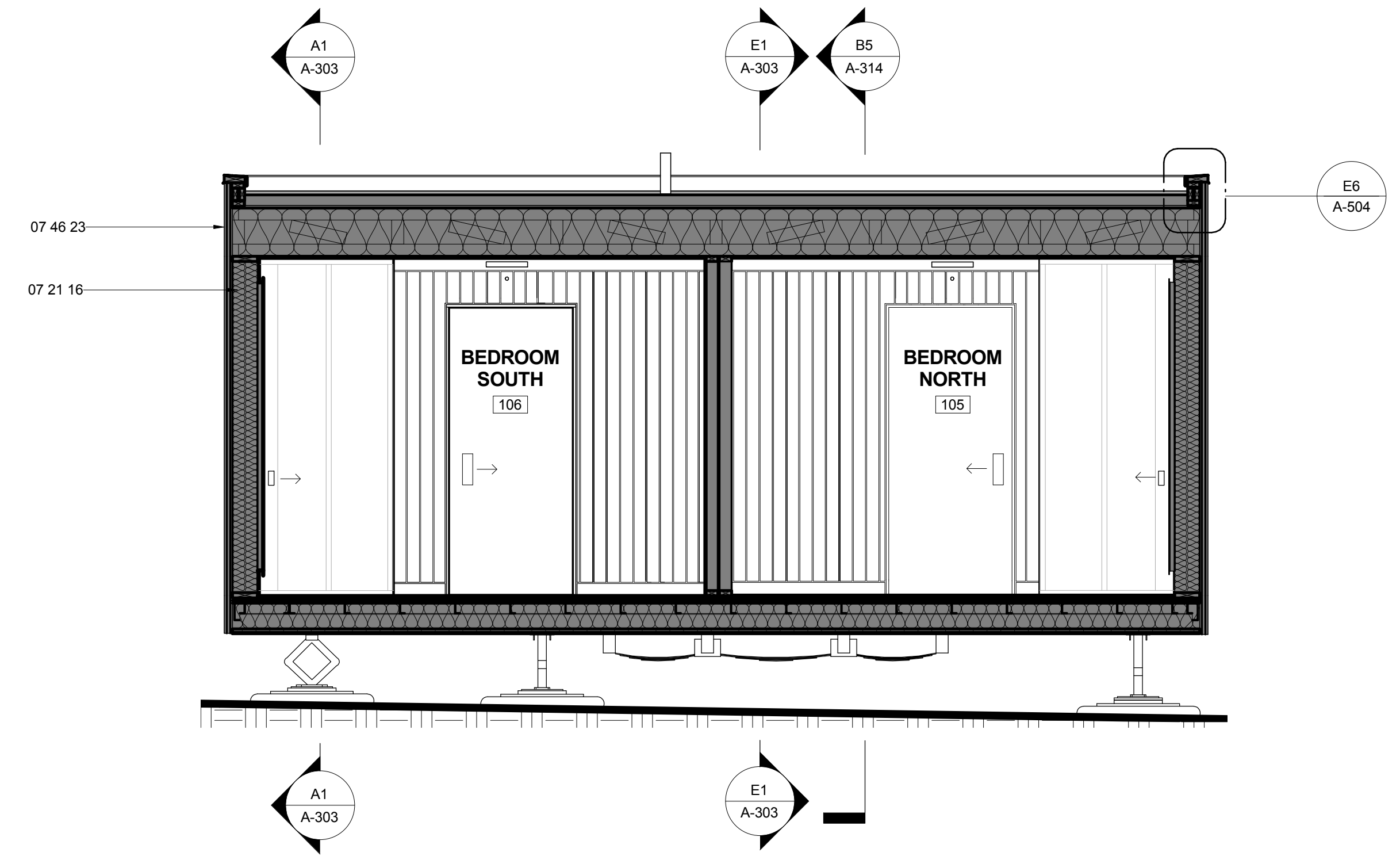
A-304

GENERAL SHEET NOTES

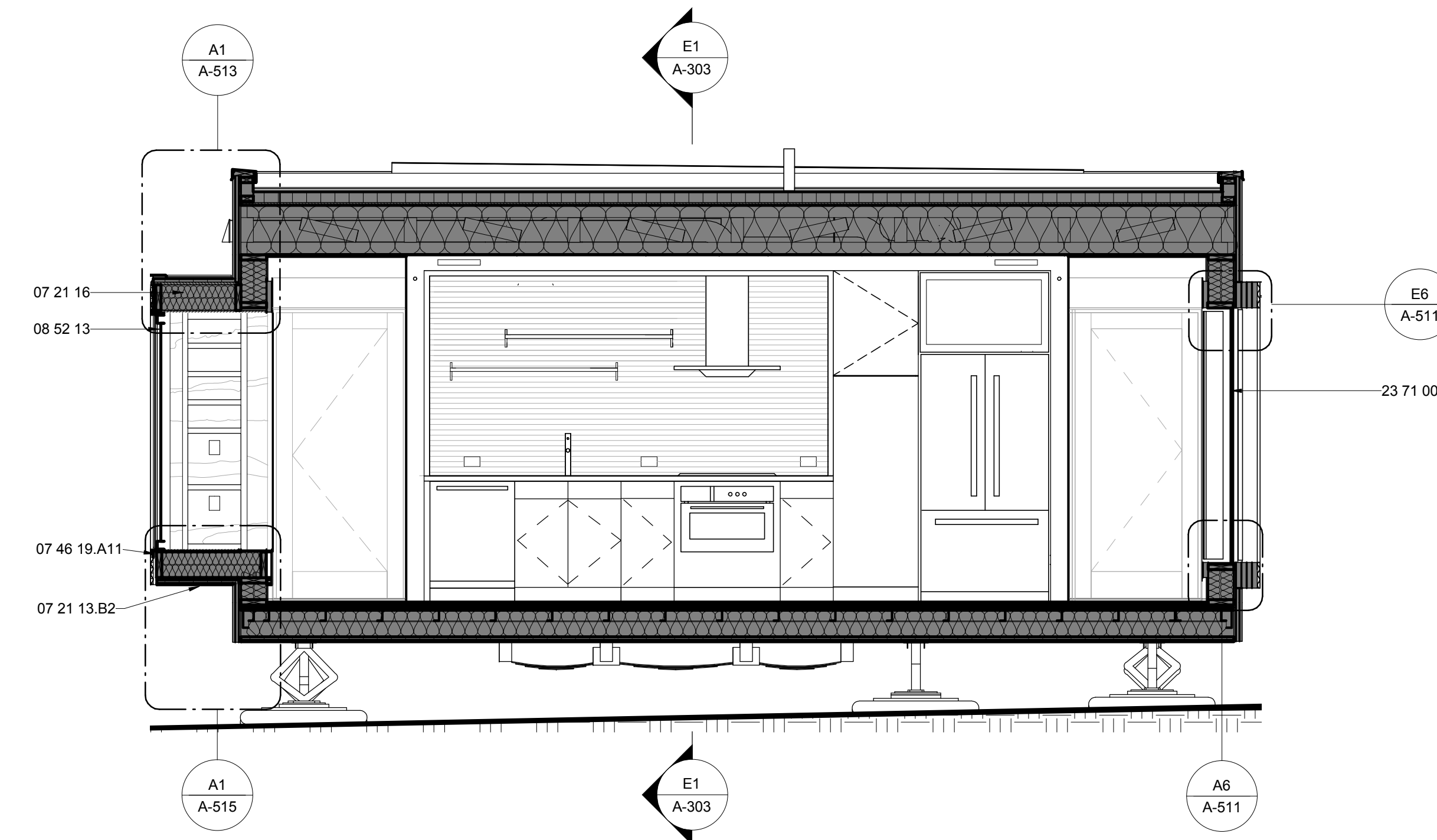
REFERENCE KEYNOTES

07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 23	WOOD SIDING
08 52 13	METAL-CLAD WOOD WINDOWS
23 71 00.A1	TROMBE WALL

SHEET KEYNOTES



E1 HOUSE TRANSVERSE SECTION THROUGH BEDROOMS
3/8" = 1'-0"
0 2' 4' 6'



A1 TRANSVERSE SECTION THROUGH LIVING/KITCHEN
3/8" = 1'-0"
0 2' 4' 6'

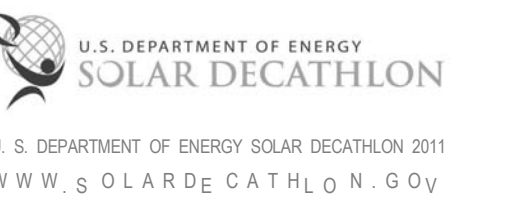


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
TRANSVERSE BUILDING
SECTIONS

SHEET NUMBER:

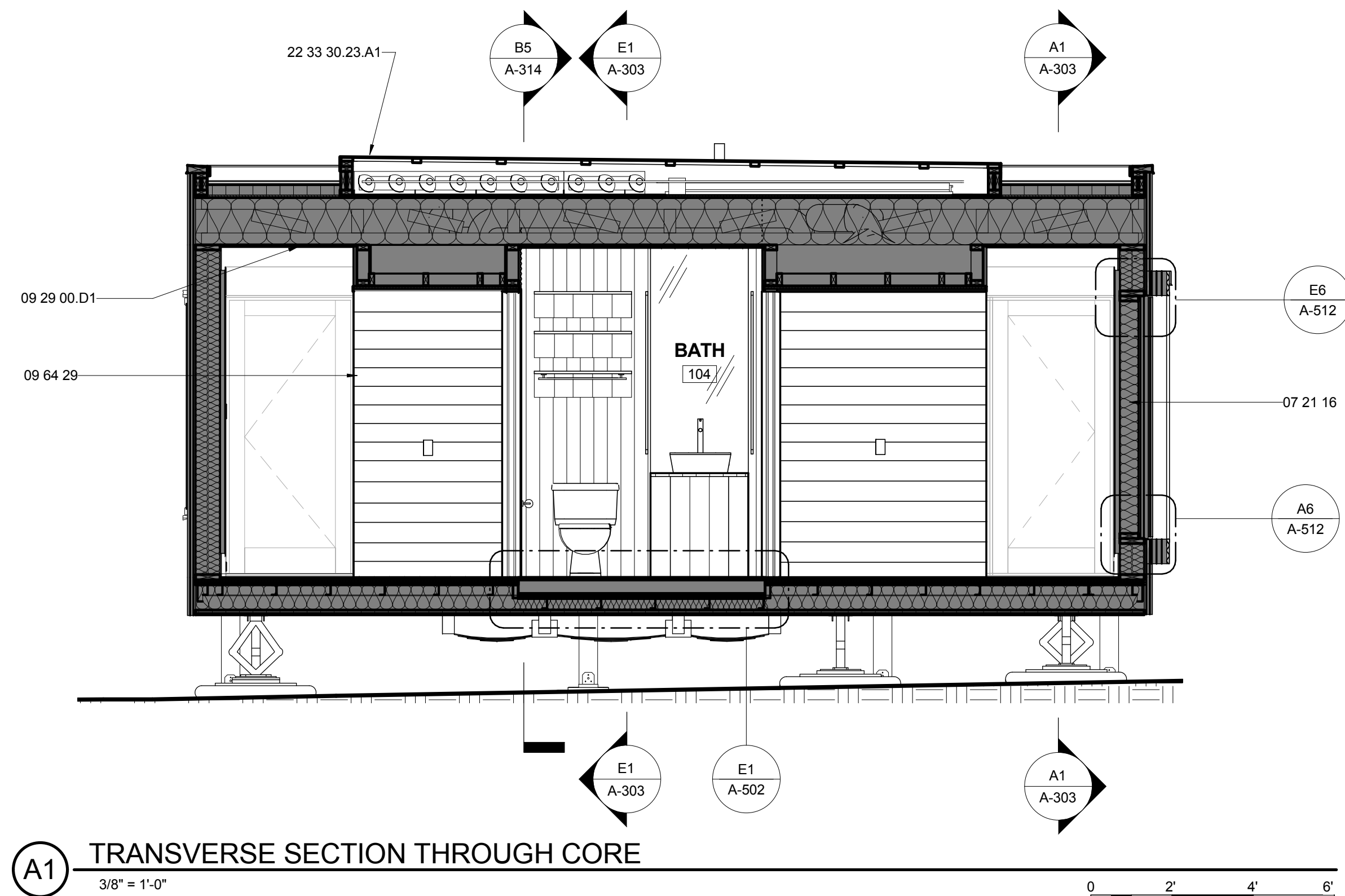
A-305

GENERAL SHEET NOTES

REFERENCE KEYNOTES

07 21 16	BLANKET INSULATION
07 46 19	STEEL SIDING
07 71 13	MANUFACTURED COPINGS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
22 33 30.23.A1	SOLAR THERMAL COLLECTOR BANK

SHEET KEYNOTES



A1 TRANSVERSE SECTION THROUGH CORE
3/8" = 1'-0"



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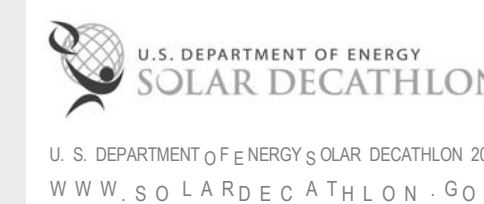


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1100 EAST KING STREET
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MARK -DATE - DESCRIPTION

SHEET TITLE:
FLEX OM SECTIONS

SHEET NUMBER:

A-306

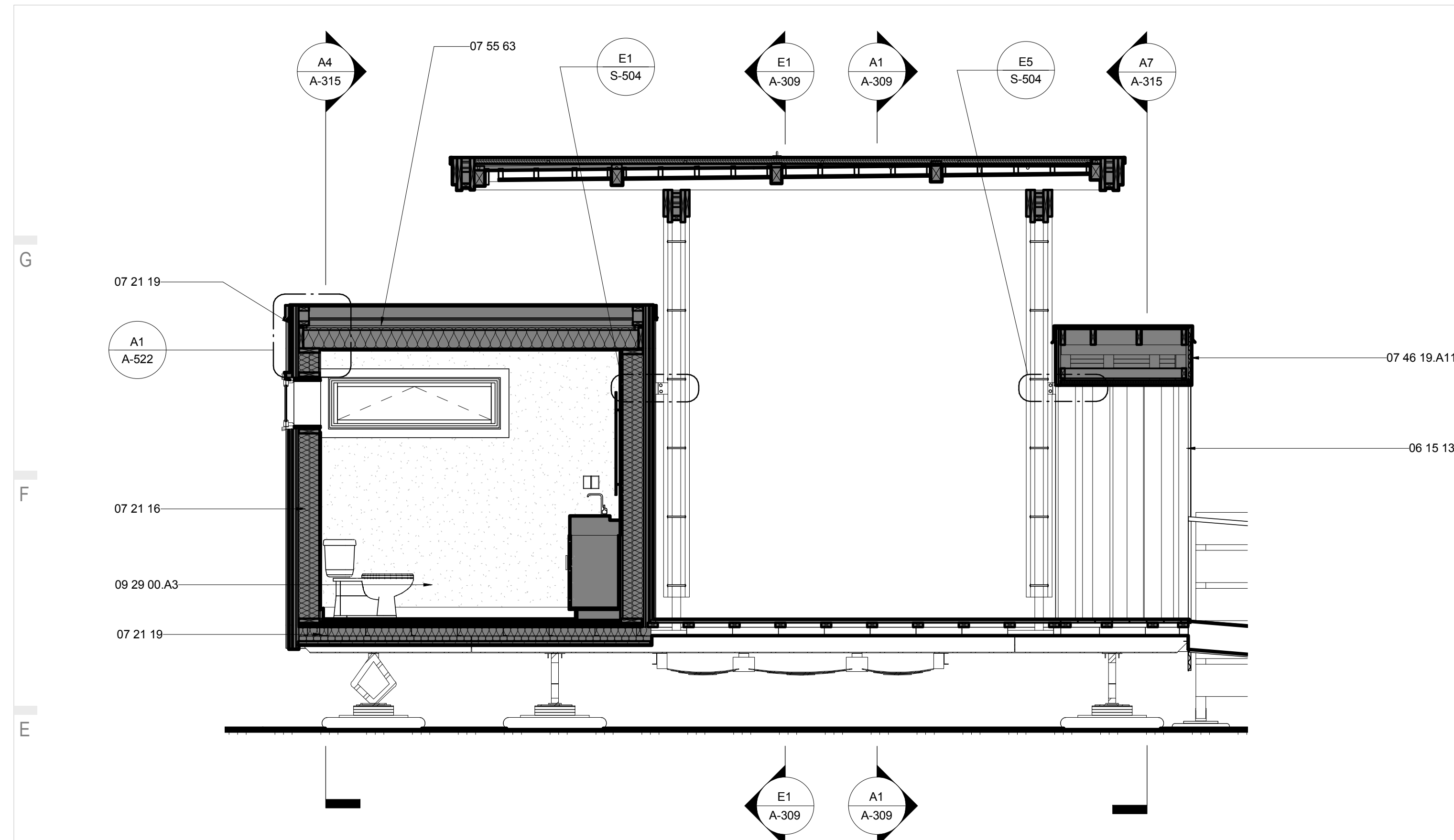
GENERAL SHEET NOTES

REFERENCE KEYNOTES

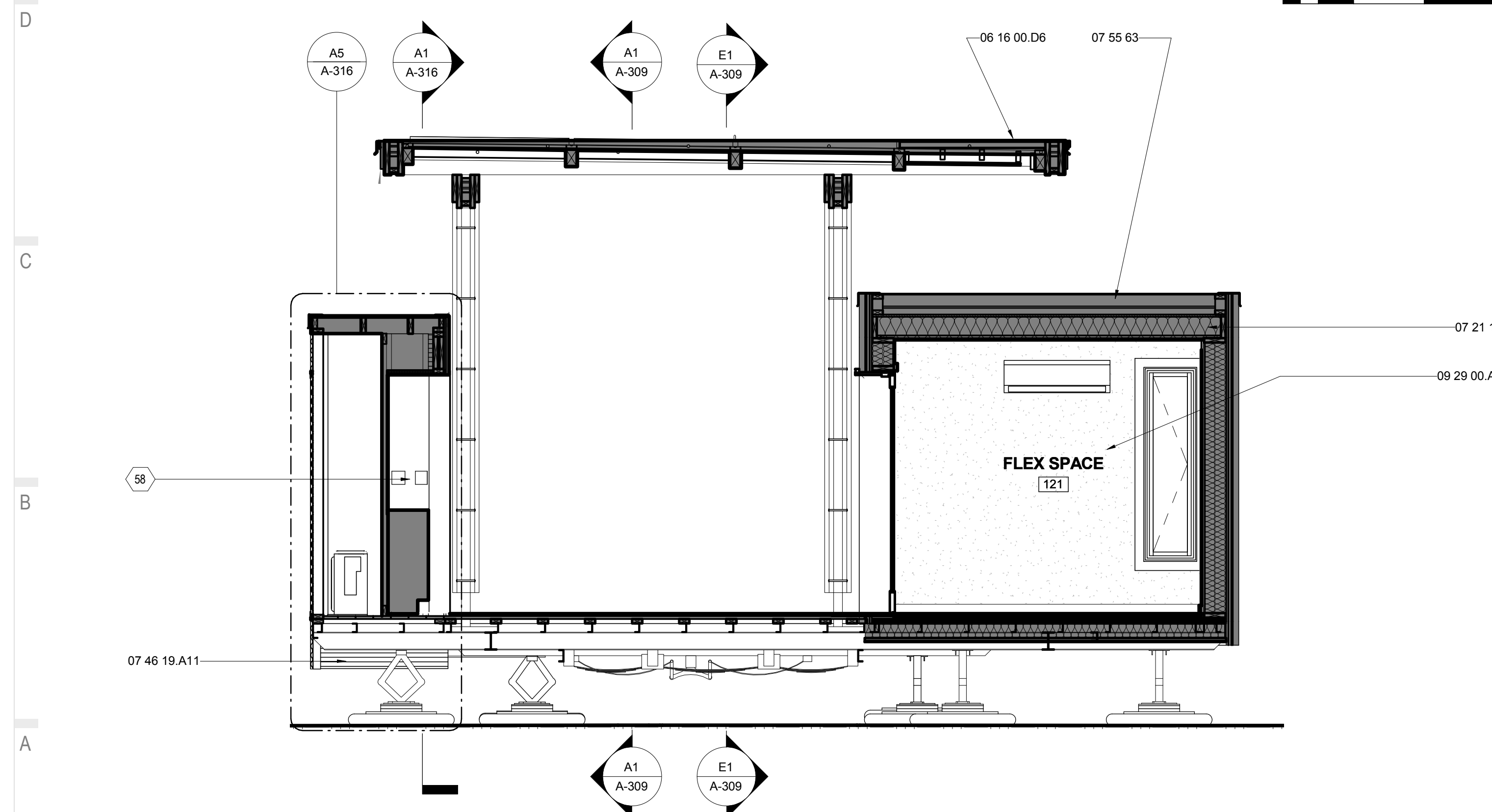
06 15 13	WOOD FLOOR DECKING
06 16 00.D6	1/2" PLYWOOD
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 19.A11	7/8" CORRUGATED STEEL -24 GA -PERFORATED
07 55 63	VEGETATED PROTECTED MEMBRANE ROOFING
09 29 00.A3	1/2" GYPSUM WALLBOARD

SHEET KEYNOTES

58 OUTDOOR KITCHEN



E1 LONGITUDINAL NORTH SECTION OF FLEX OM
3/8" = 1'-0"



A1 LONGITUDINAL SECTION SOUTH OF FLEX OM
3/8" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
OUTDOOR KITCHEN SECTIONS

SHEET NUMBER:

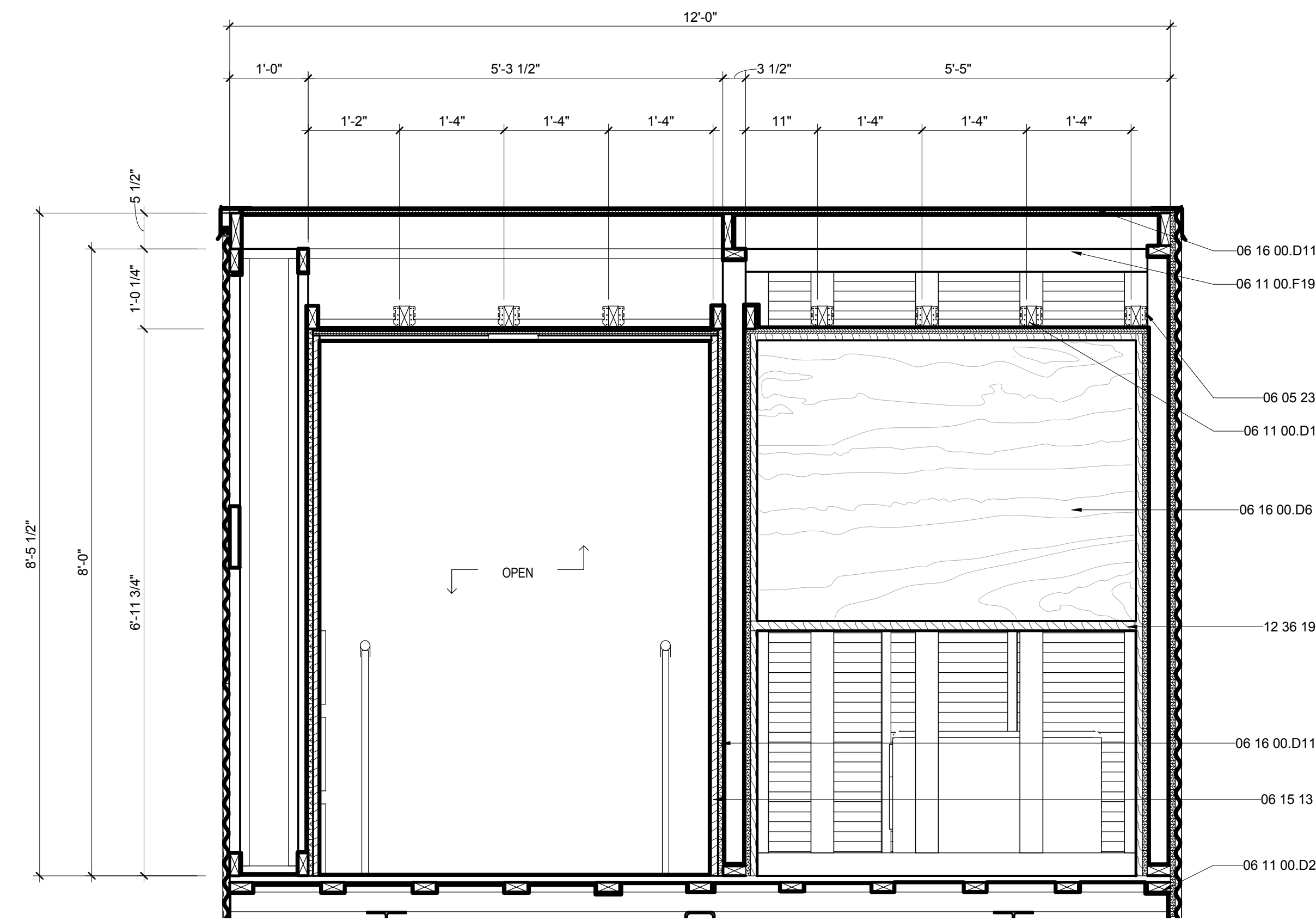
A-307

GENERAL SHEET NOTES

REFERENCE KEYNOTES

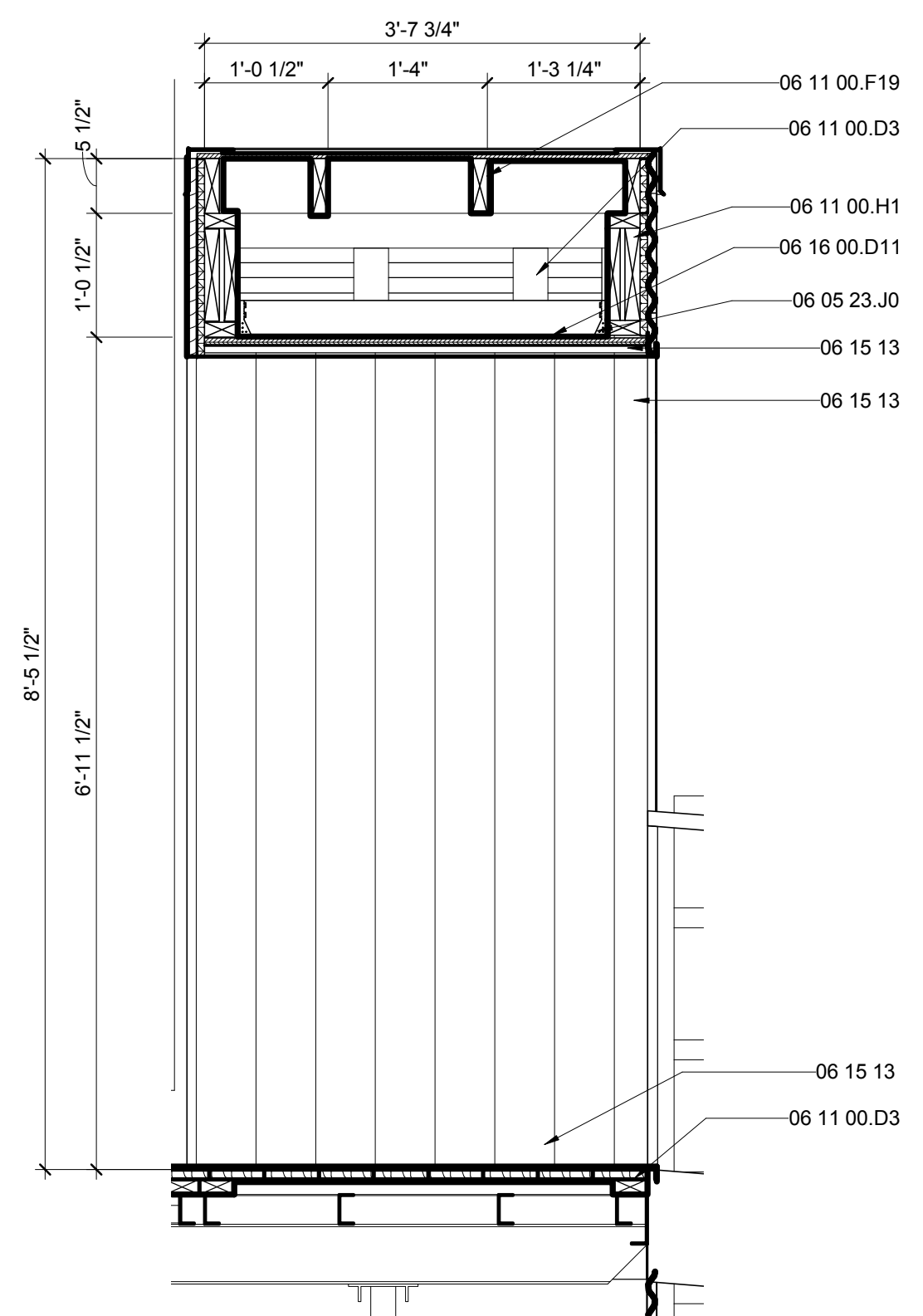
05 50 00	METAL FABRICATIONS
06 05 23	WOOD, PLASTIC, AND COMPOSITE FASTENINGS
06 05 23.J0	HANGERS
06 11 00.B15	2X2
06 11 00.D1	2X4
06 11 00.D2	TREATED 2X4
06 11 00.D3	2X4 FRAMING
06 11 00.D4	2X4 FRAMING @ 12" O.C.
06 11 00.D5	2X4 FRAMING @ 16" O.C.
06 11 00.F19	2X6 RAFTERS @ 16" O.C.
06 11 00.H1	2X10
06 11 00.I1	2X12
06 15 13	WOOD FLOOR DECKING
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA.-PERFORATED
12 36 19	WOOD COUNTERTOPS
22 33 13.A2	POINT-OF-USE INSTANT WATER HEATER

SHEET KEYNOTES



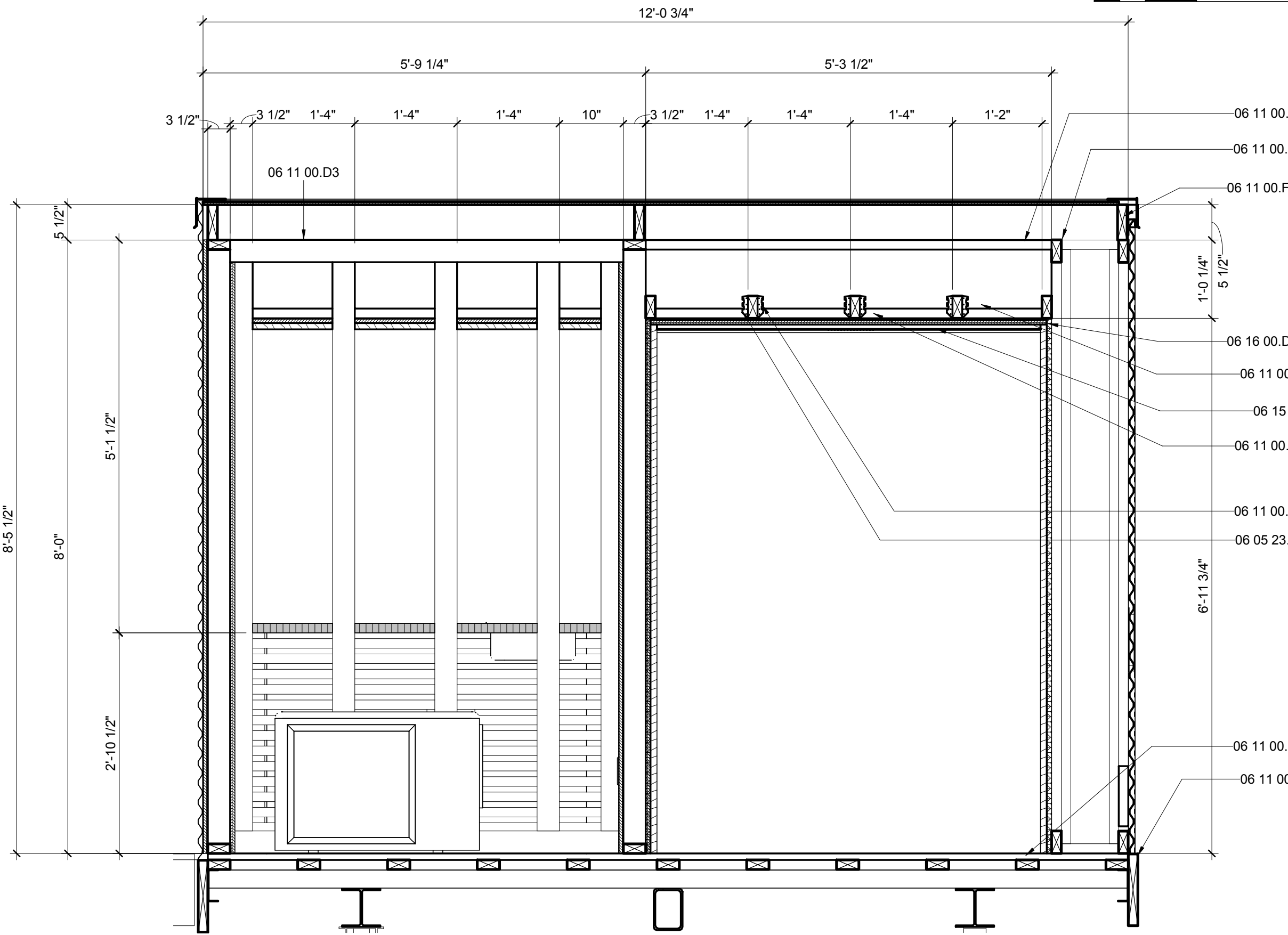
E1 OUTDOOR KITCHEN LONG. EAST

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



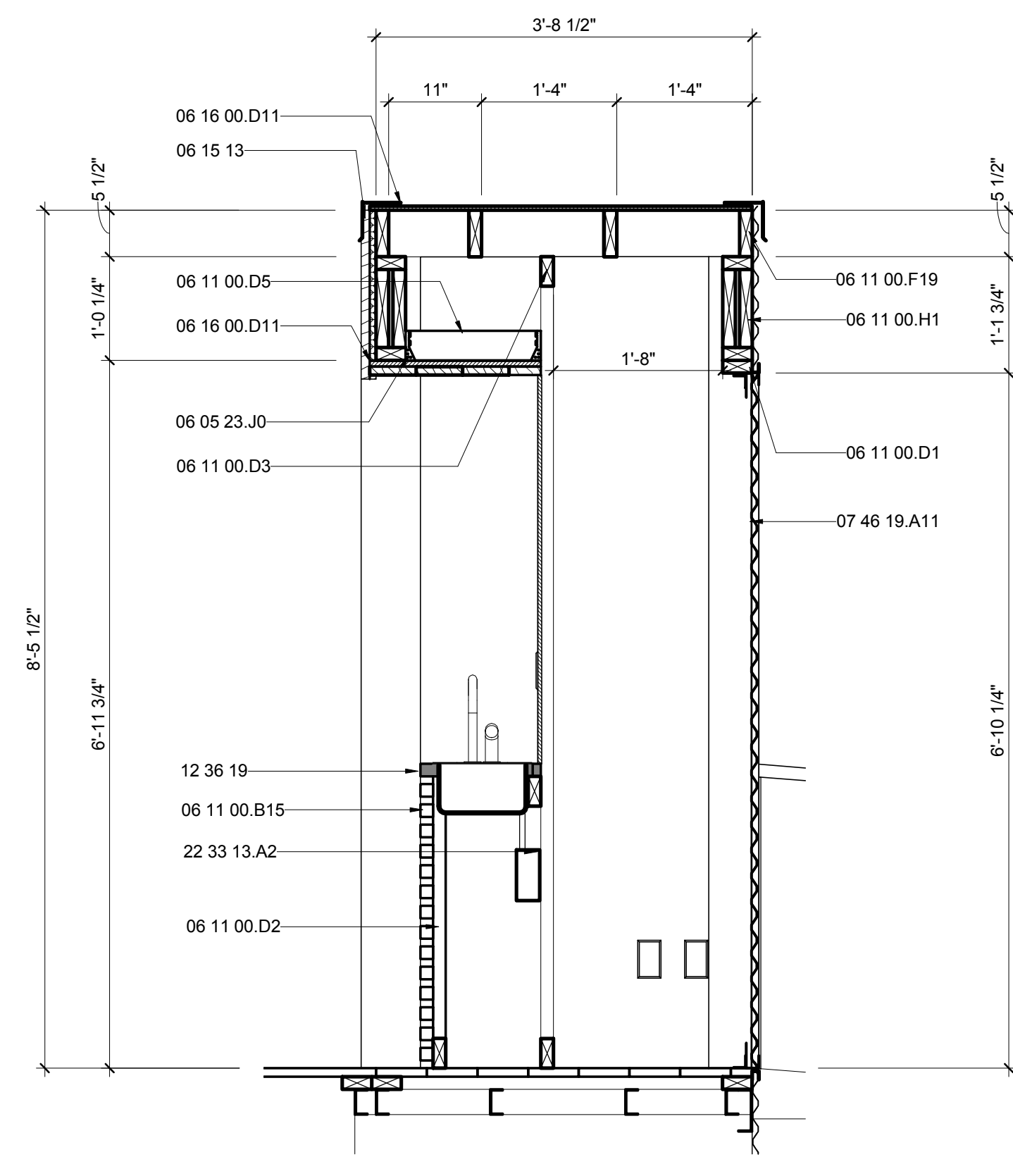
E7 OUTDOOR CLOSET TRANS. NORTH

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



A1 OUTDOOR KITCHEN LONG. WEST

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



A7 OUTDOOR KITCHEN TRANS. NORTH

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

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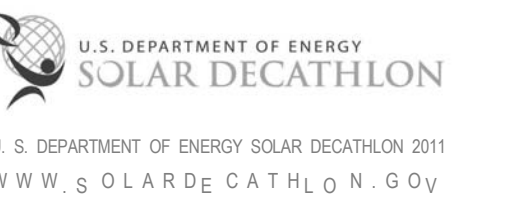


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
OM SECTIONS

SHEET NUMBER:

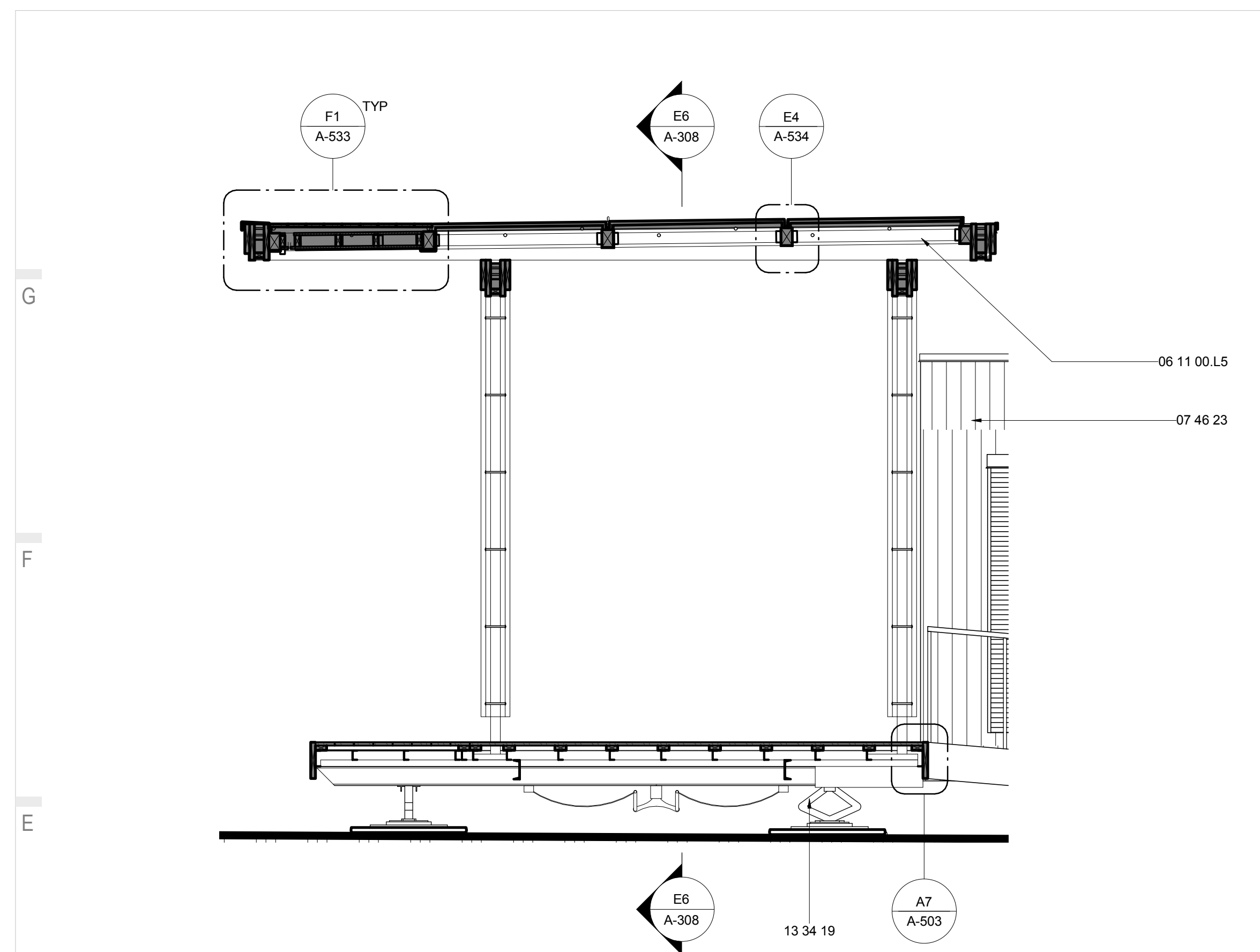
A-308

GENERAL SHEET NOTES

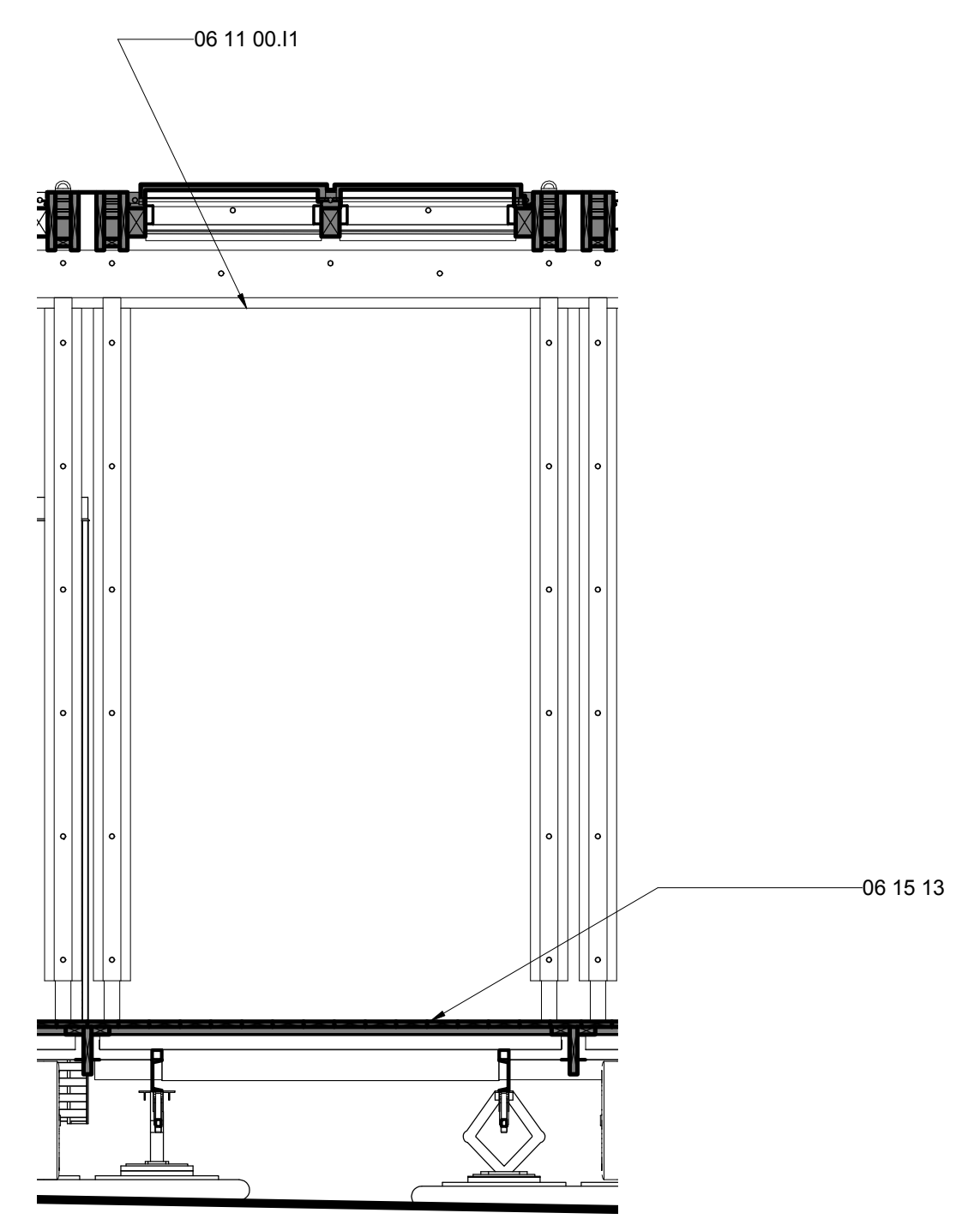
REFERENCE KEYNOTES

06 11 00.B14	TREATED 5/4X6
06 11 00.D1	2X4
06 11 00.G1	2X8
06 11 00.I1	2X12
06 11 00.L5	4X6 BEAM
06 15 13	WOOD FLOOR DECKING
07 46 23	WOOD SIDING
07 71 13	MANUFACTURED COPINGS

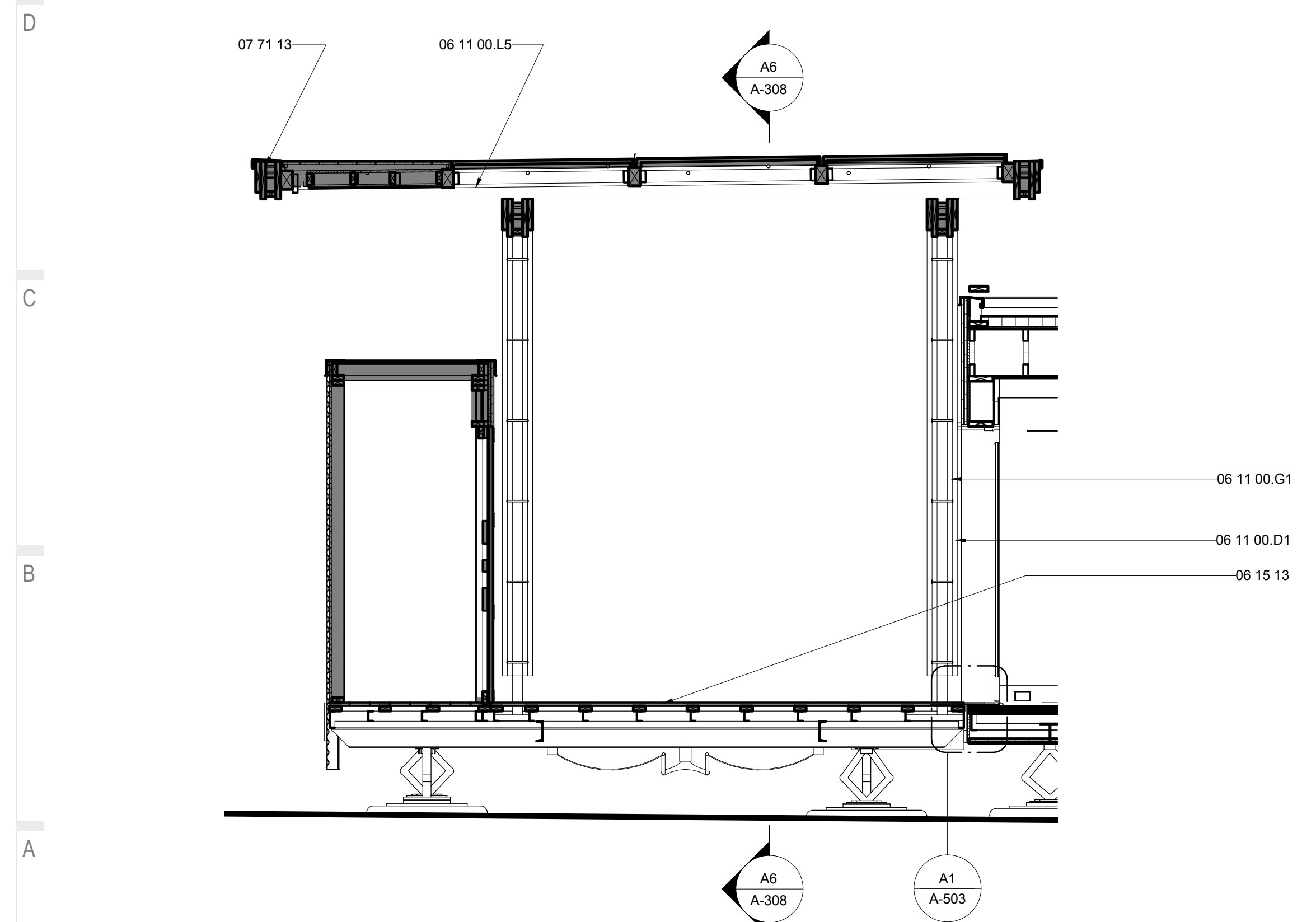
SHEET KEYNOTES



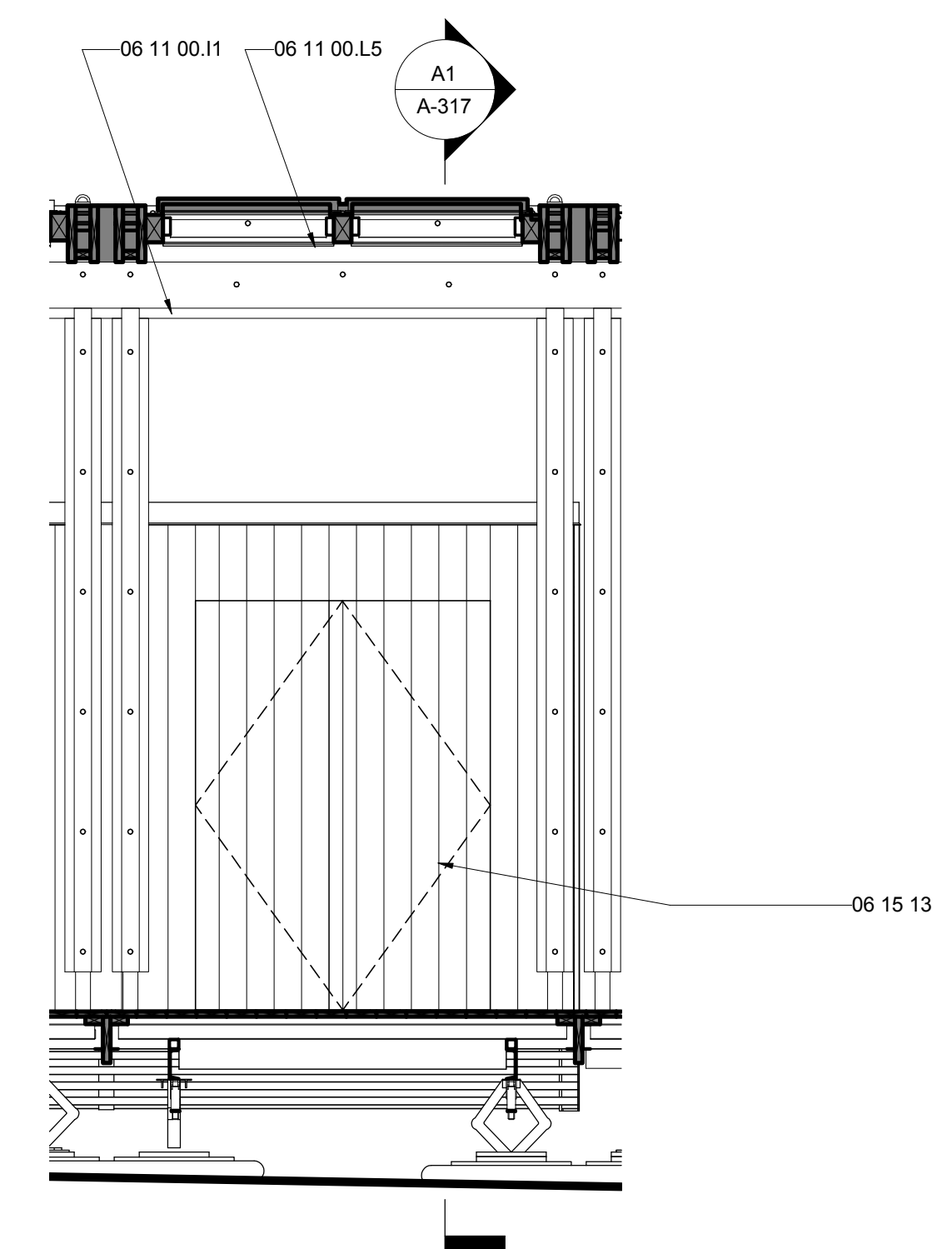
E1 OM PORCH LONGITUDINAL SECTION
3/8" = 1'-0" 0 2' 4' 6'



E6 OM PORCH TRANSVERSE SECTION WEST
3/8" = 1'-0" 0 2' 4' 6'



A1 OM LONGITUDINAL SECTION
3/8" = 1'-0" 0 2' 4' 6'



A6 OM TRANSVERSE SECTION WEST
3/8" = 1'-0" 0 2' 4' 6'

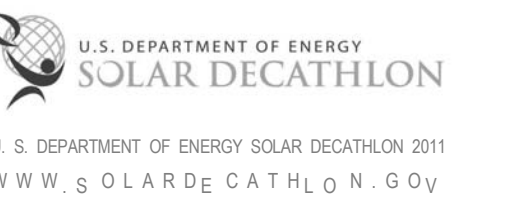


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
DECK SECTIONS

SHEET NUMBER:

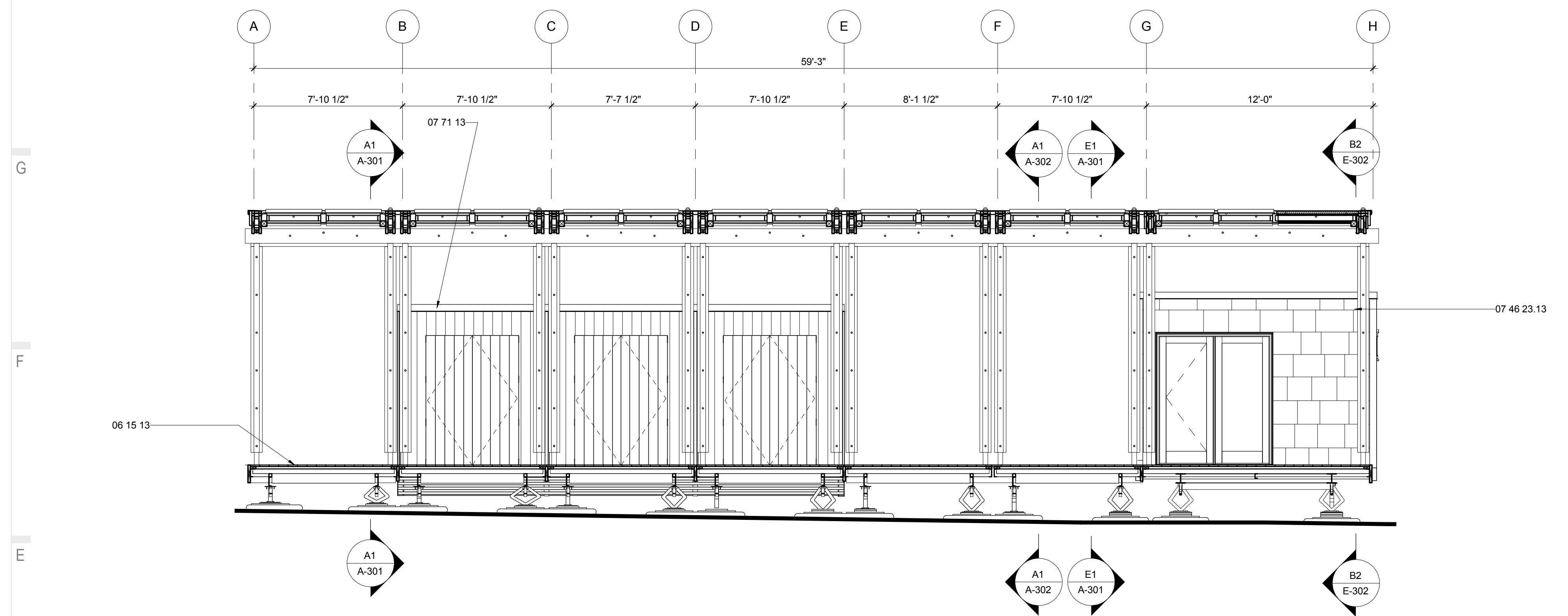
A-309

GENERAL SHEET NOTES

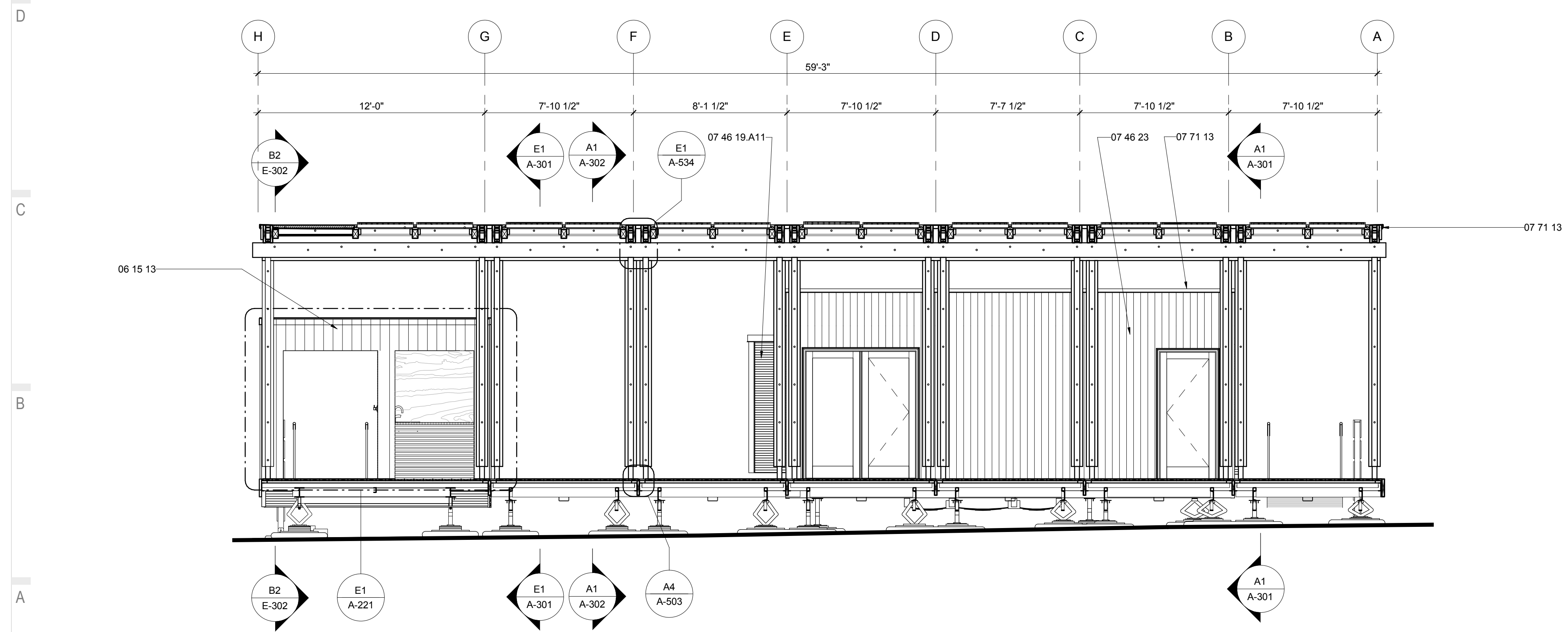
REFERENCE KEYNOTES

06 15 13	WOOD FLOOR DECKING
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 23	WOOD SIDING
07 46 23.13	WOOD BARK SHINGLE SIDING
07 71 13	MANUFACTURED COPINGS

SHEET KEYNOTES



E1 DECK SECTION WEST
1/4" = 1'-0"



A1 DECK SECTION EAST
1/4" = 1'-0"

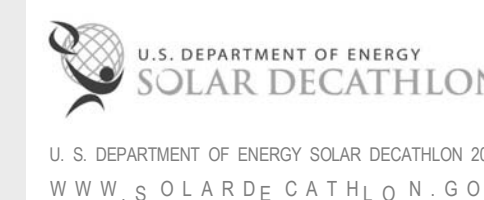


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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LOT #: 205 | APPST
DRAWN BY: ZSH, MAS, JA
CHECKED BY: KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
HOUSE WALL SECTIONS

SHEET NUMBER:

A-311

GENERAL SHEET NOTES

- INTERIOR FINISHES TO COMPLY WITH ALL THERMAL BARRIER REQUIREMENTS

REFERENCE KEYNOTES

06 11 00.B1	1 X_FURRING STRIPS
06 11 00.B2	1X2
06 11 00.B5	1X4
06 11 00.D1	2X4
06 11 00.G1	2X8
06 16 00.D6	1/2" PLYWOOD
06 16 00.D7	1/2" EXTERIOR GRADE PLYWOOD
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 13 00	SHEET WATERPROOFING
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 19	STEEL SIDING
07 46 23	WOOD SIDING
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
07 54 23.A1	TAPERED INSULATION
07 71 13	MANUFACTURED COPINGS
08 43 13	ALUMINUM-FRAMED STOREFRONTS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
23 71 00.A1	TROMBE WALL
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES

- 190 1/4" LAUAN PLYWOOD WITH 150 FLAME SPREAD (AF&PA) DESIGNED IN ACCORDANCE FOR CODE.

G

F

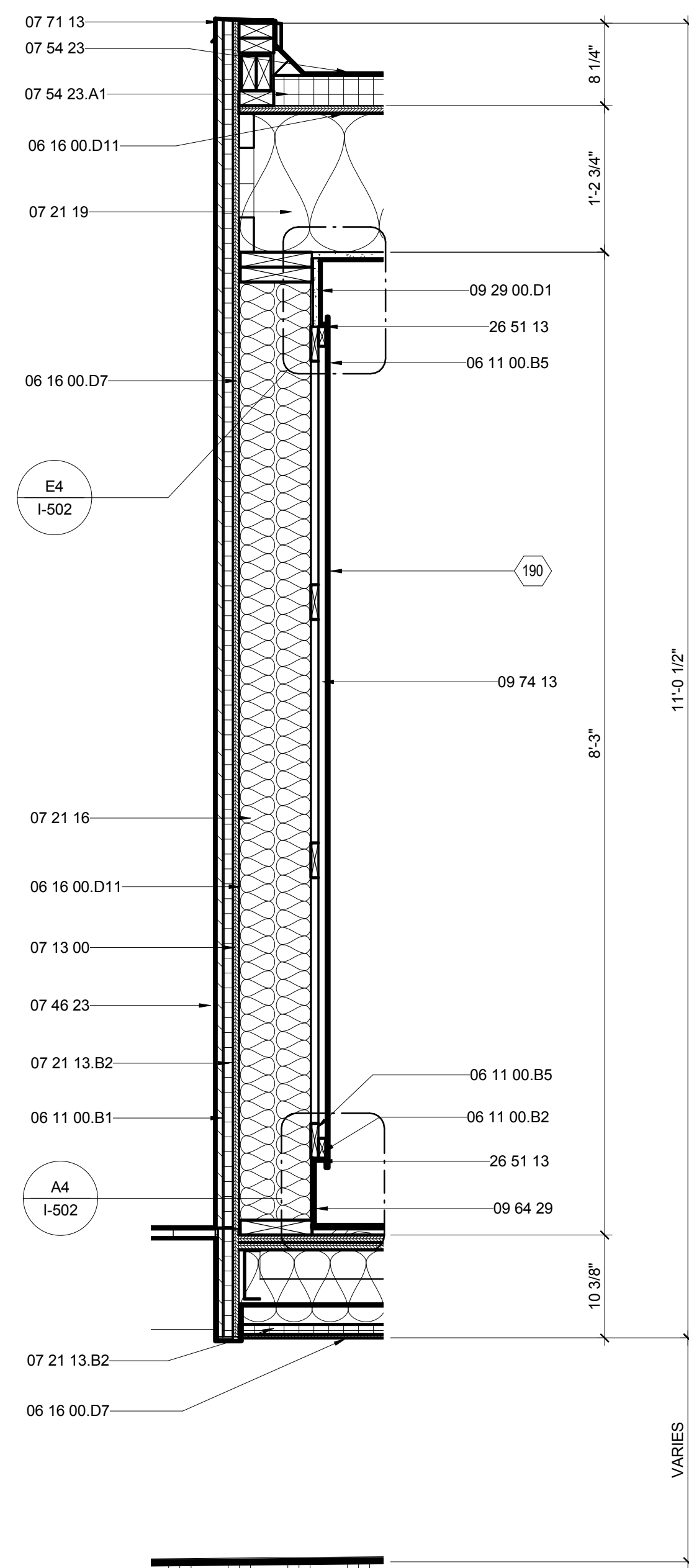
E

D

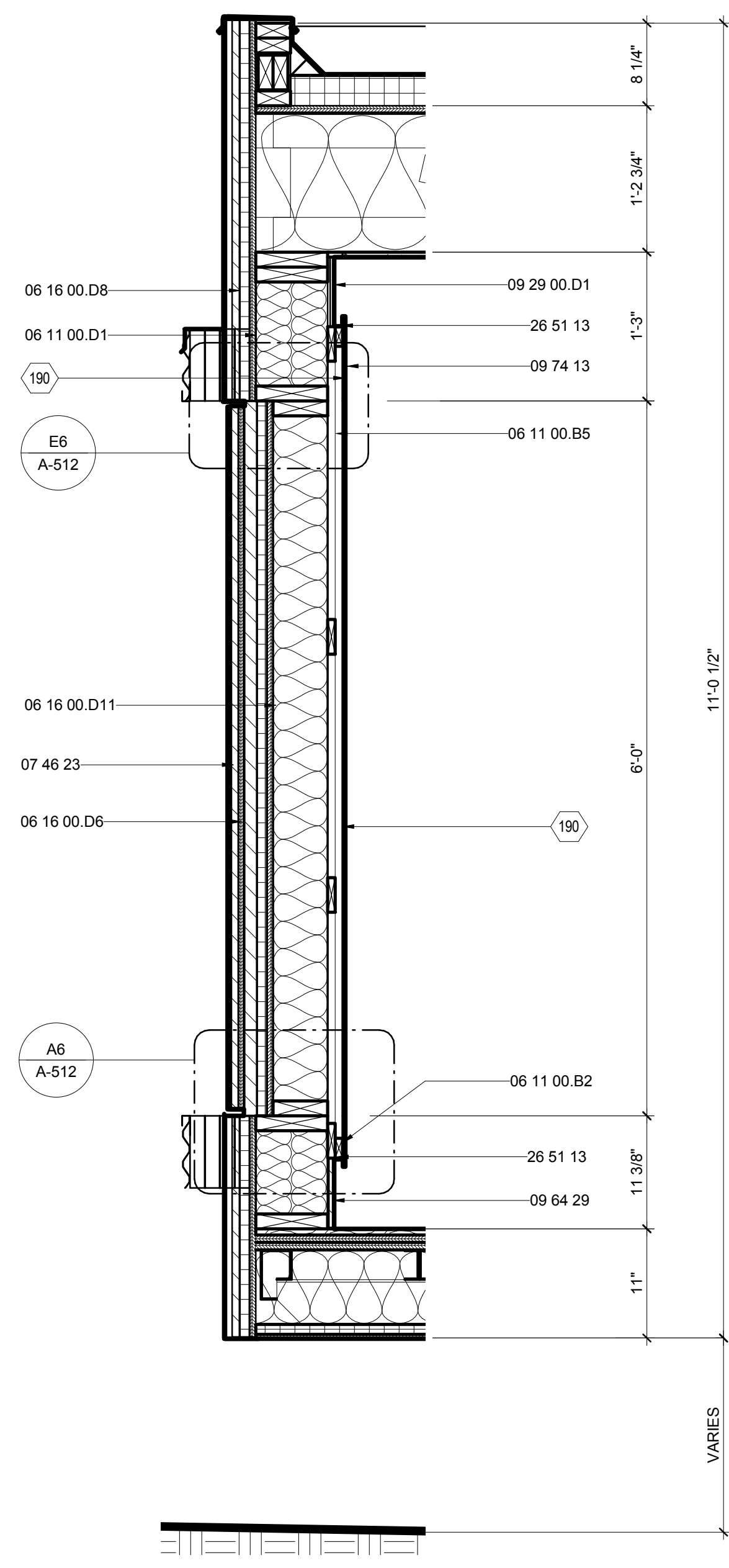
C

B

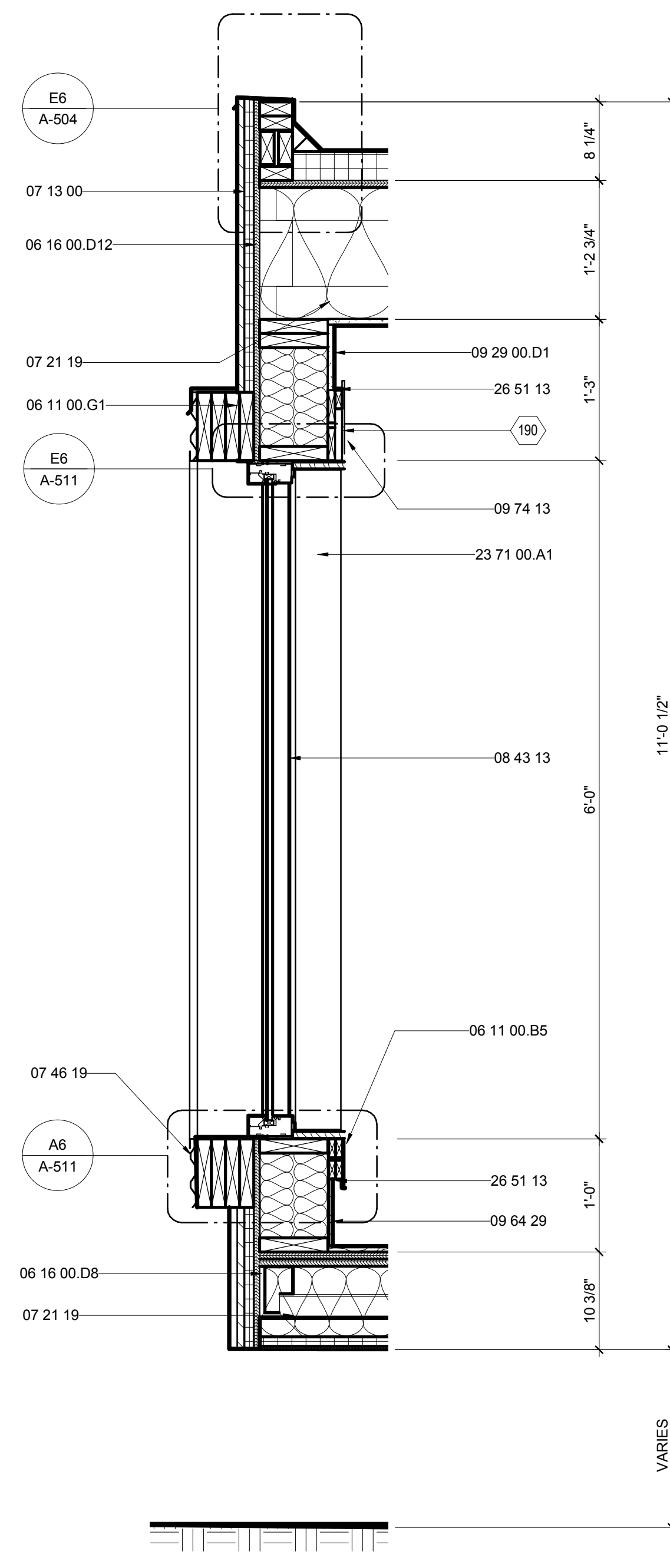
A



B1 HOUSE EXTERIOR SECTION WALL
1" = 1'-0"
0 1/2' 1' 2'



B4 BARN DOOR SECTION WALL
1" = 1'-0"
0 1/2' 1' 2'



B7 TROMBE SECTION WALL
1" = 1'-0"
0 1/2' 1' 2'

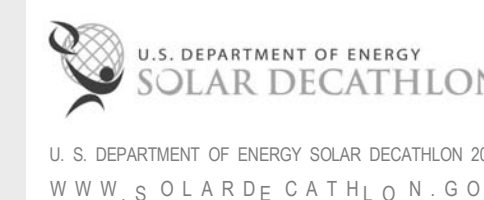


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
HOUSE WALL SECTIONS

SHEET NUMBER:

A-312

GENERAL SHEET NOTES

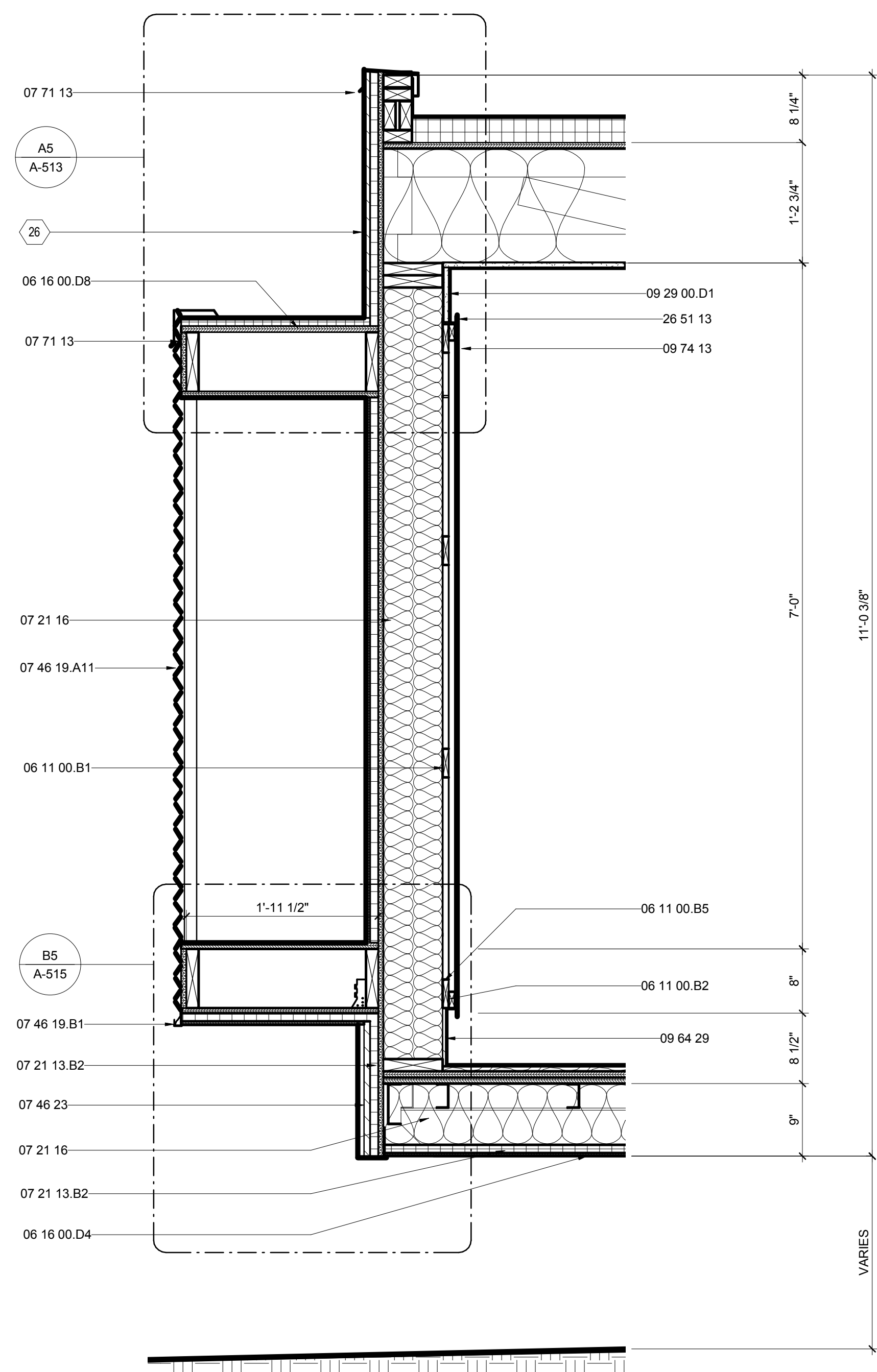
1. OUTDOOR SCREEN WALLS TO BE BUILT ON SITE
2. SEE FOUNDATION PLAN FOR GROUND BEARING SURFACES

REFERENCE KEYNOTES

06 11 00.B1	1 X_FURRING STRIPS
06 11 00.B2	1X2
06 11 00.B5	1X4
06 11 00.D1	2X4
06 11 00.G1	2X8
06 16 00.D4	3/8" PLYWOOD
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 13 00	SHEET WATERPROOFING
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 19.B1	1" J CHANNEL
07 46 23	WOOD SIDING
07 54 23.A1	TAPERED INSULATION
07 71 13	MANUFACTURED COPINGS
08 52 13	METAL-CLAD WOOD WINDOWS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

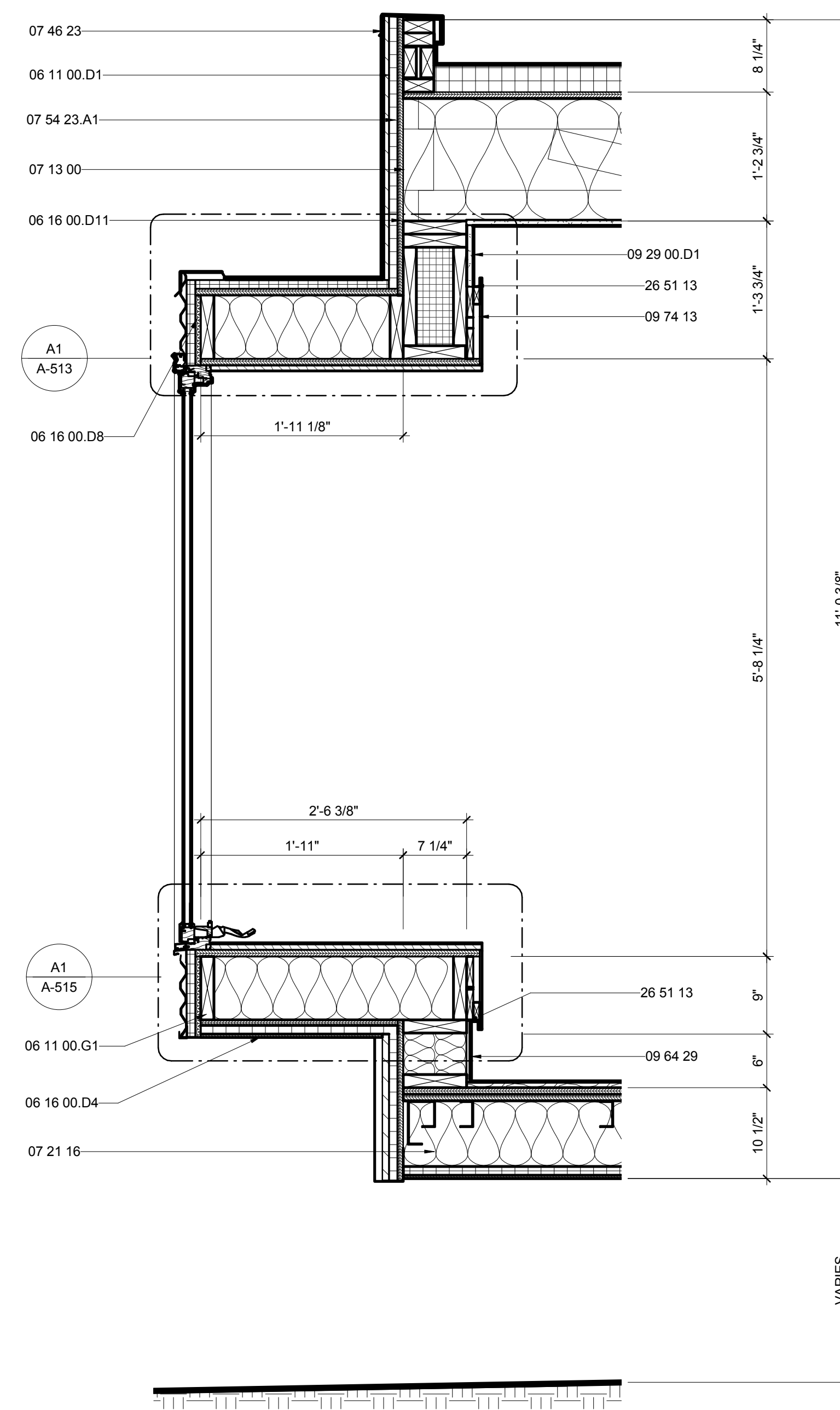
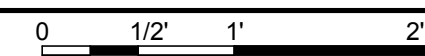
SHEET KEYNOTES

26 EXHAUST VENT



B2 WALL SECTION AT HVAC COMPARTMENT

1" = 1'-0"



B6 WALL SECTION AT BAY WINDOW

1" = 1'-0"



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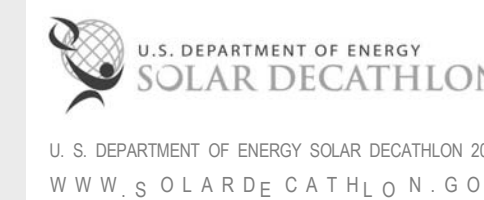


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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SHEET TITLE:
INTERIOR WALL SECTIONS

SHEET NUMBER:

A-313

GENERAL SHEET NOTES

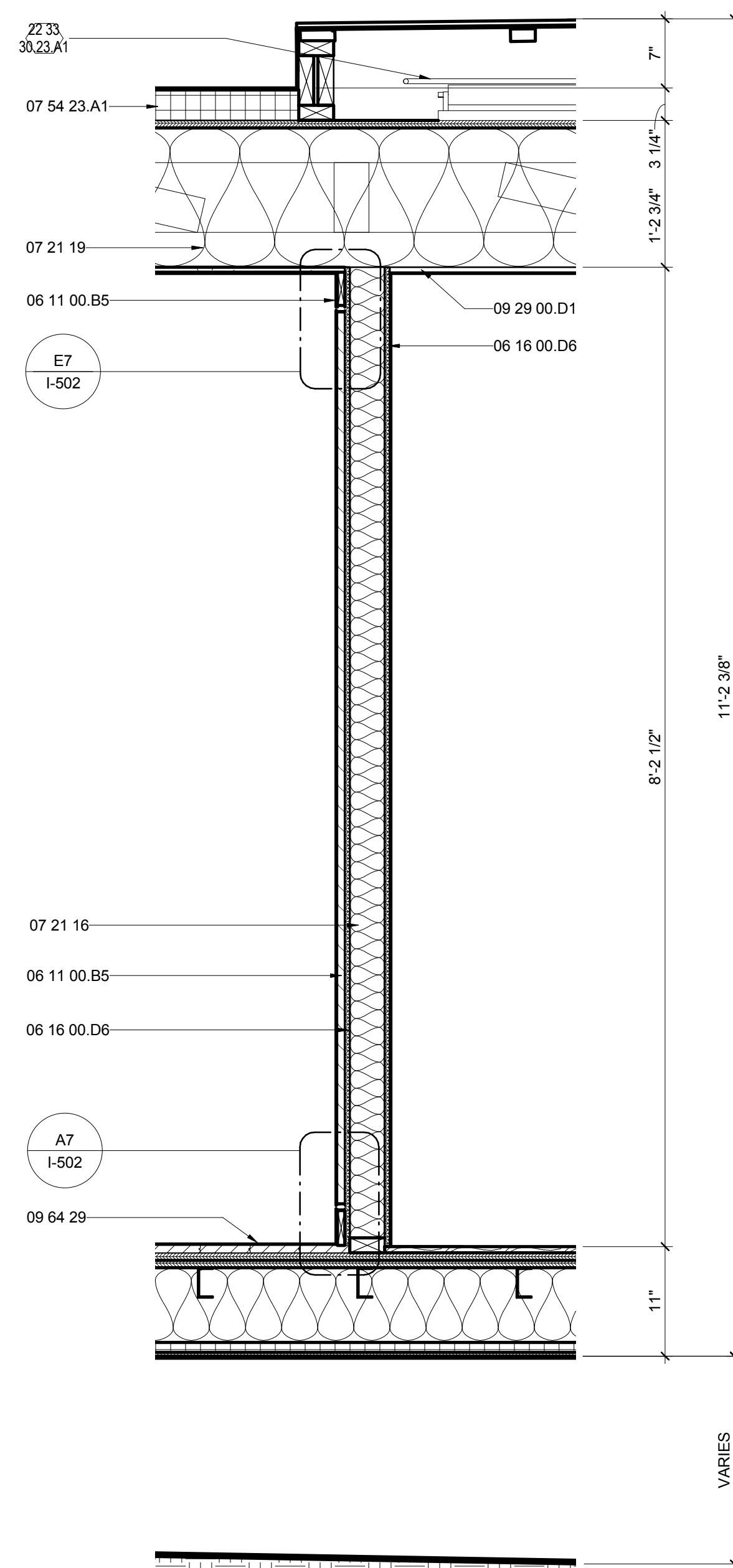
REFERENCE KEYNOTES

06 11 00.B5	1X4
06 11 00.D1	2X4
06 16 00.D4	3/8" PLYWOOD
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 64 00	PLASTIC PANELING
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 54 23.A1	TAPERED INSULATION
09 29 00.C3	1/2" SOUNDPROOF GYPSUM BOARD
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
10 40 00	SAFETY SPECIALTIES
22 33 30.23.A1	SOLAR THERMAL COLLECTOR BANK

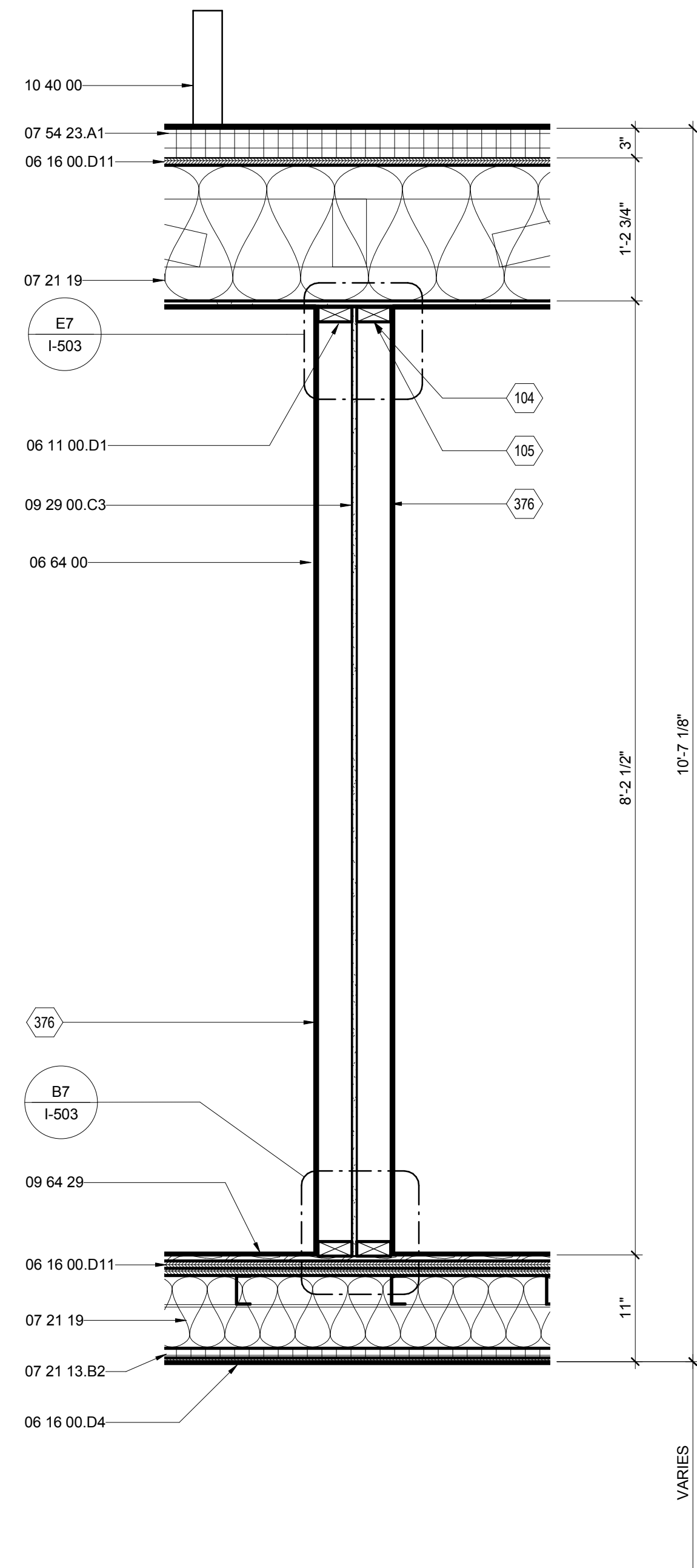
SHEET KEYNOTES

104	LIGHTING IN WALL
105	STUDS BEYOND
375	SOLAR THERMAL COLLECTOR
376	POLYCARBONATE WALL

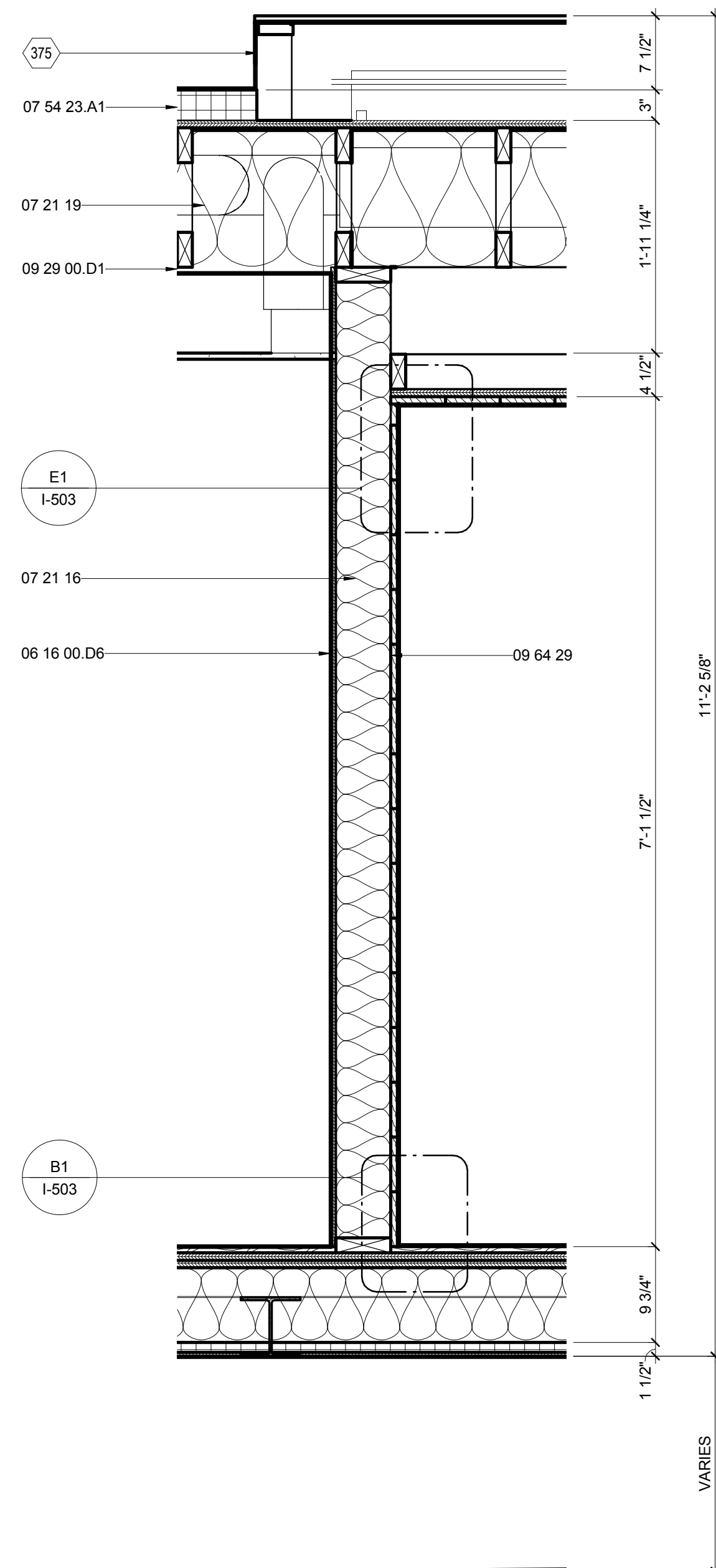
G
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(B1) CORE WALL SECTION AT NORTH HALLWAY
1" = 1'-0"
0 1/2' 1' 2'



(B4) BEDROOM WALL SECTION
1" = 1'-0"
0 1/2' 1' 2'



(B7) CORE WALL SECTION AT SOUTH HALLWAY
1" = 1'-0"
0 1/2' 1' 2'

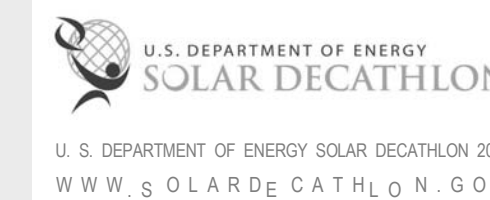


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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SHEET TITLE:
INTERIOR PLUMBING WALL
SECTIONS

SHEET NUMBER:

A-314

GENERAL SHEET NOTES

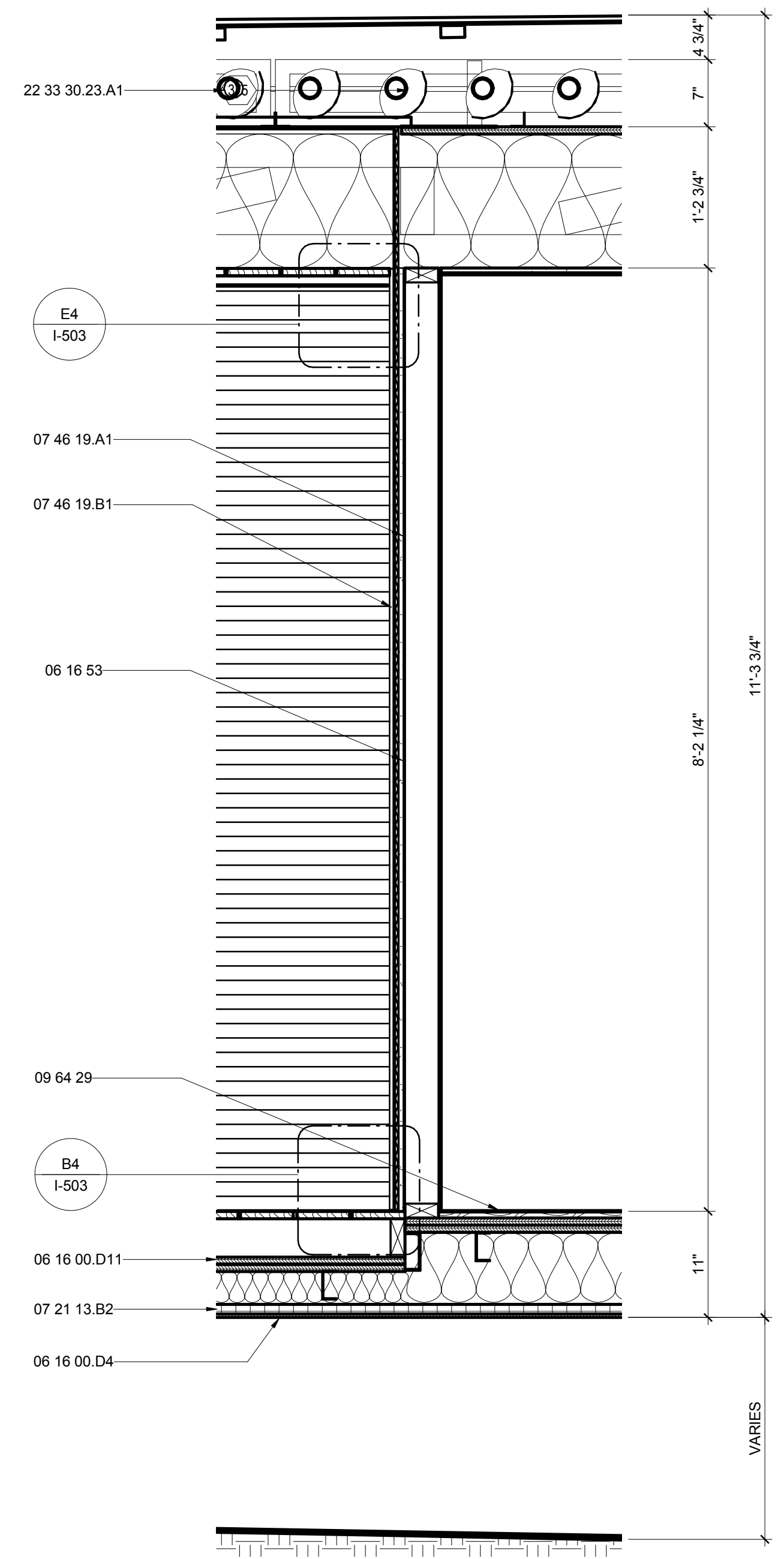
REFERENCE KEYNOTES

06 11 00.B5	1X4
06 11 00.D1	2X4
06 16 00.D4	3/8" PLYWOOD
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 53	MOISTURE-RESISTANT SHEATHING BOARD
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 19.A1	1/2" CORRUGATED STEEL - 26 GA
07 46 19.B1	1" J CHANNEL
07 54 23.A1	TAPERED INSULATION
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 62 00	SPECIALTY FLOORING
09 64 29	WOOD STRIP AND PLANK FLOORING
22 33 30.23.A1	SOLAR THERMAL COLLECTOR BANK

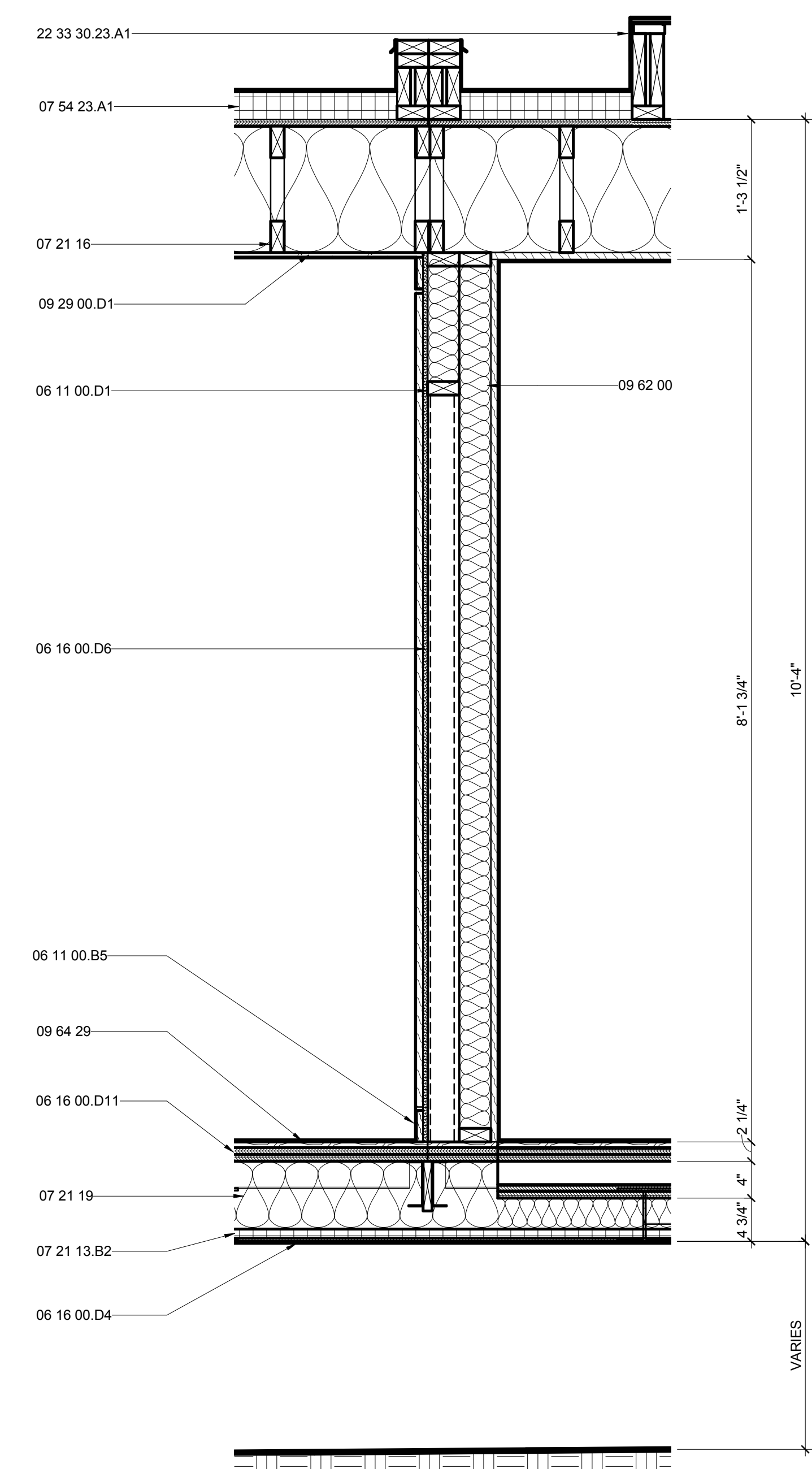
SHEET KEYNOTES

375 SOLAR THERMAL COLLECTOR

G
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B2 BATH PLUMBING WALL SECTION
1" = 1'-0"
0 1/2' 1' 2'



B5 BATH EAST WALL SECTION
1" = 1'-0"
0 1/2' 1' 2'

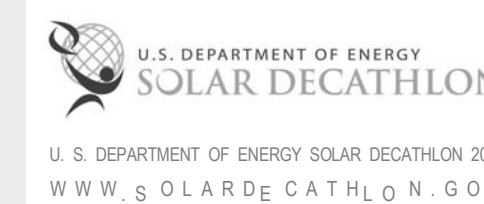


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MARK - DATE - DESCRIPTION

SHEET TITLE:
FLEX OM WALL SECTIONS

SHEET NUMBER:

A-315

GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 11 00.B2	1X2
06 11 00.D1	2X4
06 11 00.D2	TREATED 2X4
06 11 00.D5	2X4 FRAMING @ 16" O.C.
06 11 00.F4	2X6 FRAMING @ 16" O.C.
06 11 00.G1	2X8
06 15 13	WOOD FLOOR DECKING
06 16 00.D4	3/8" PLYWOOD
06 16 00.D5	3/8" EXTERIOR GRADE PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 13 00	SHEET WATERPROOFING
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 23.13	WOOD BARK SHINGLE SIDING
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
07 54 23.A1	TAPERED INSULATION
07 55 63	VEGETATED PROTECTED MEMBRANE ROOFING
07 71 13	MANUFACTURED COPINGS
09 29 00.C1	1/2" GYPSUM WALLBOARD

SHEET KEYNOTES

161 TEAM-SUPPLIED METER HOUSING

G

F

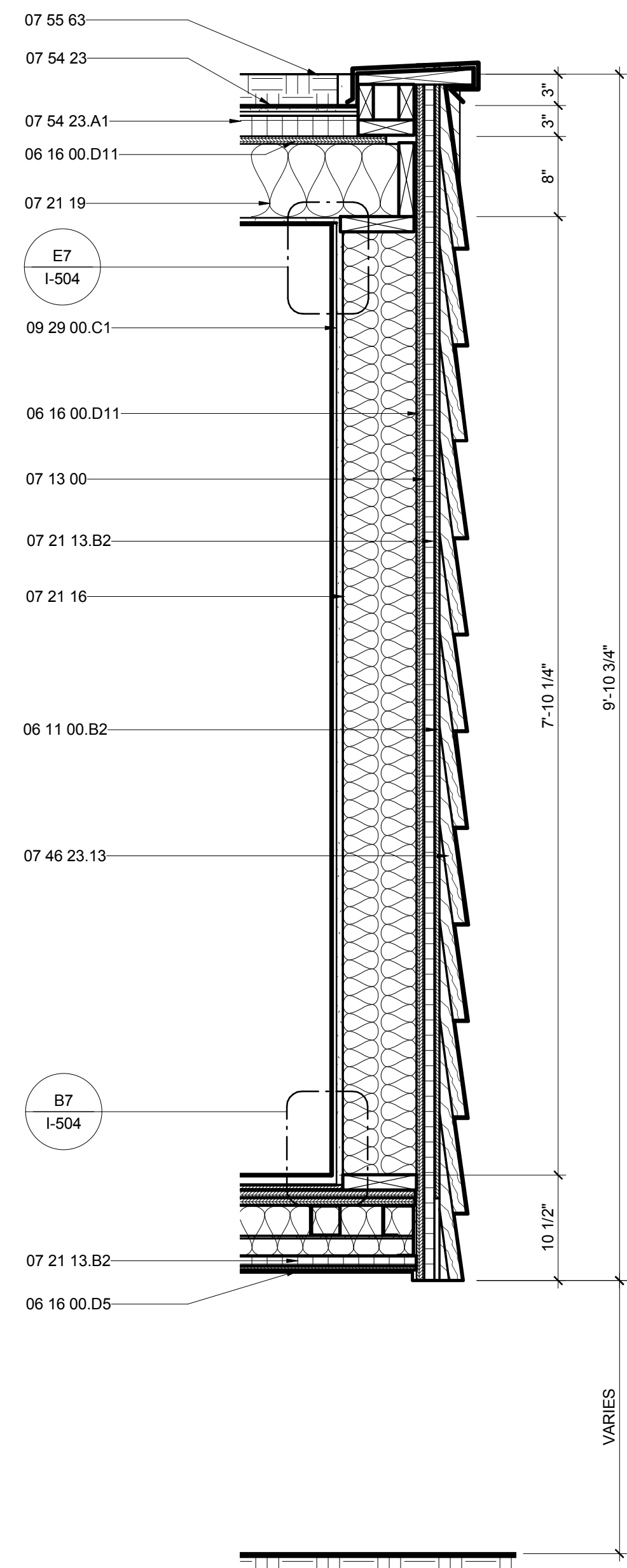
E

D

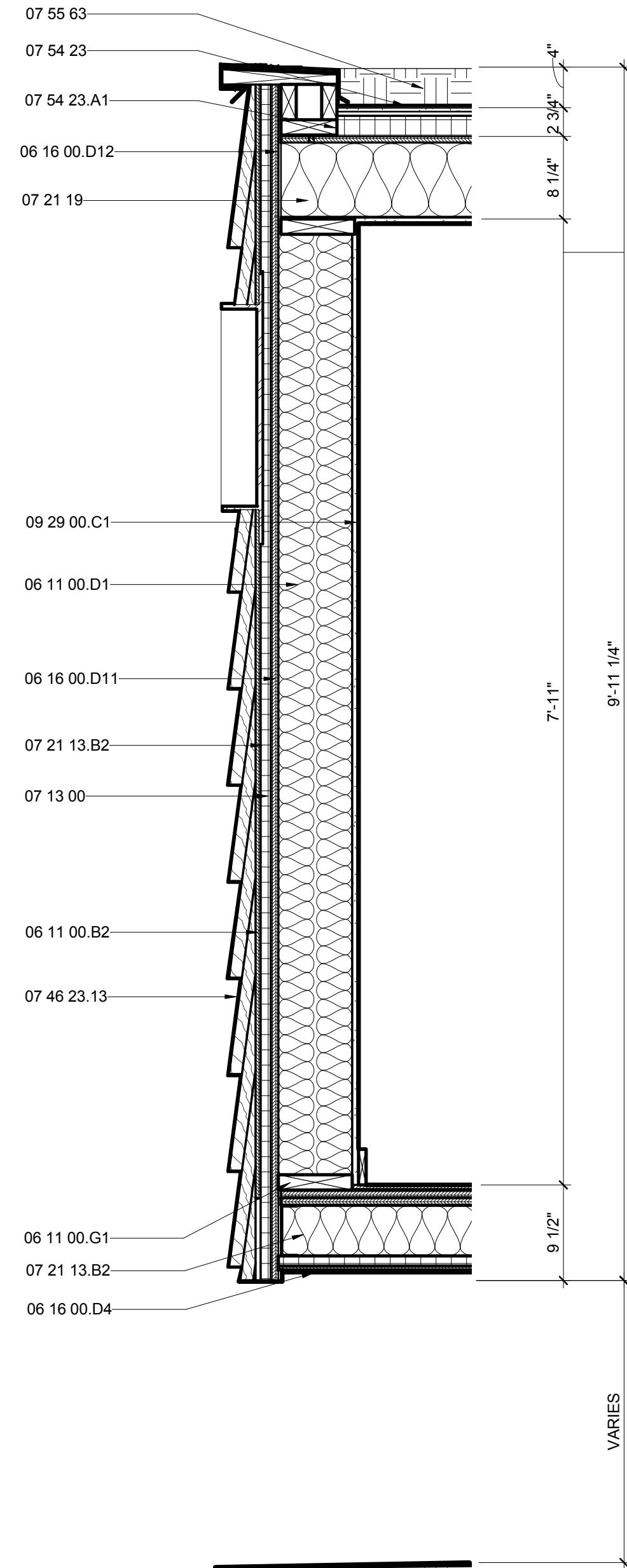
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B

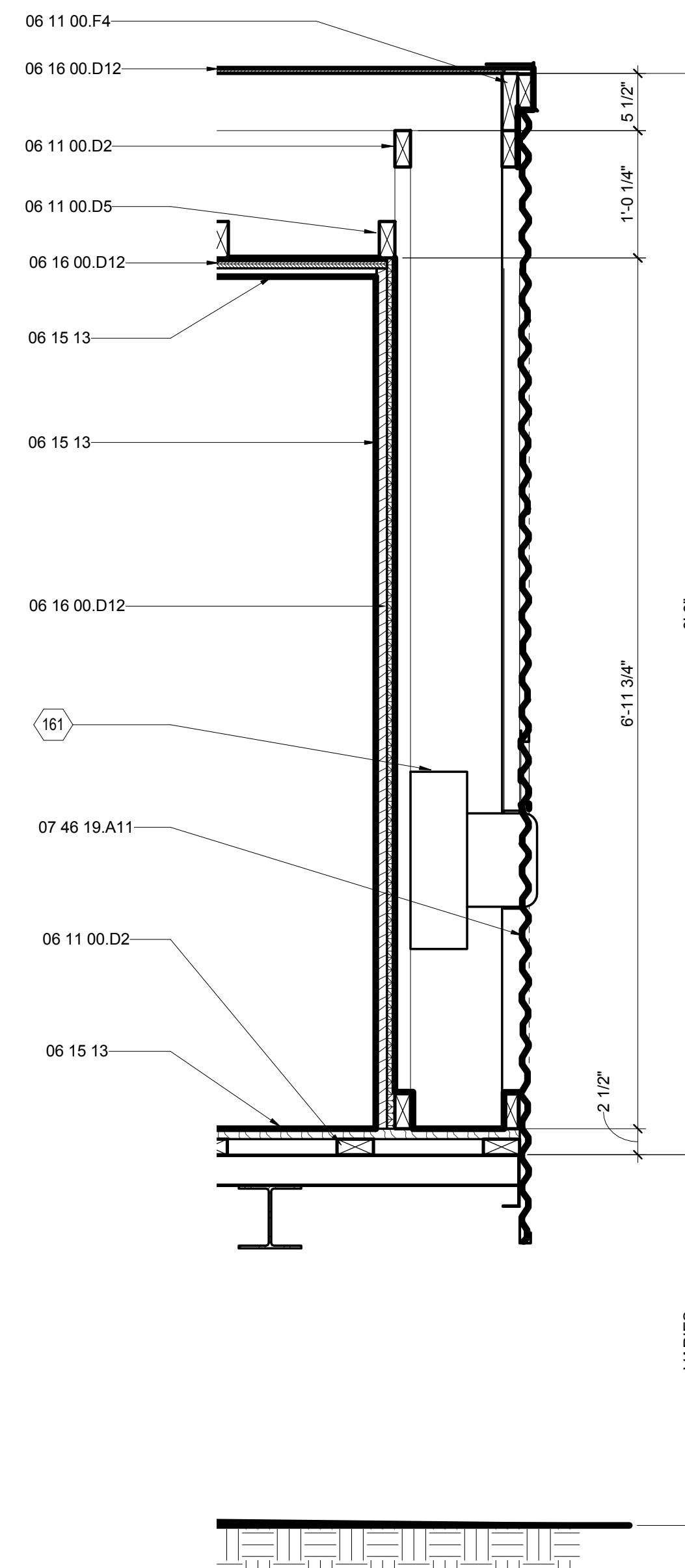
A



A1 FLEX WALL SECTION
1" = 1'-0" 0 1/2 1 2



A4 FLEX PANEL WALL SECTION
1" = 1'-0" 0 1/2 1 2



A7 ELECTRICAL CLOSET WALL SECTION AT FLEX
1" = 1'-0" 0 1/2 1 2



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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
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SHEET TITLE:
FLEX KITCHEN WALL SECTION

SHEET NUMBER:

A-316

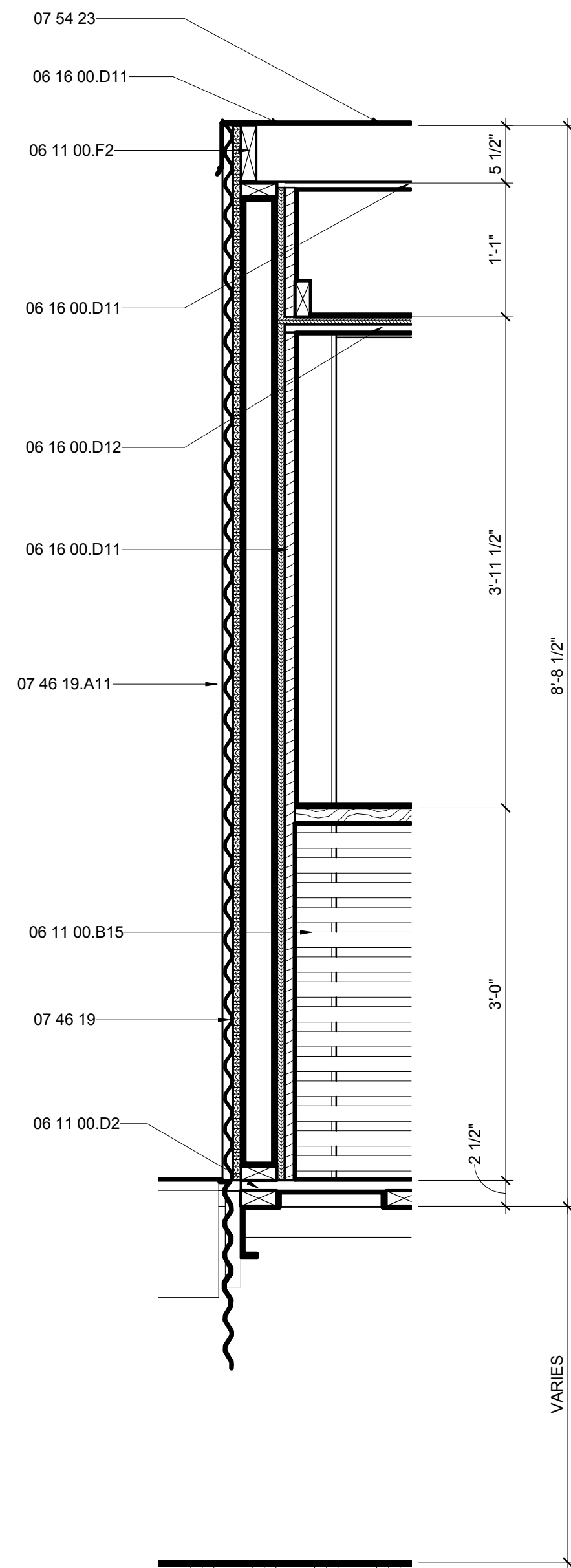
GENERAL SHEET NOTES

REFERENCE KEYNOTES

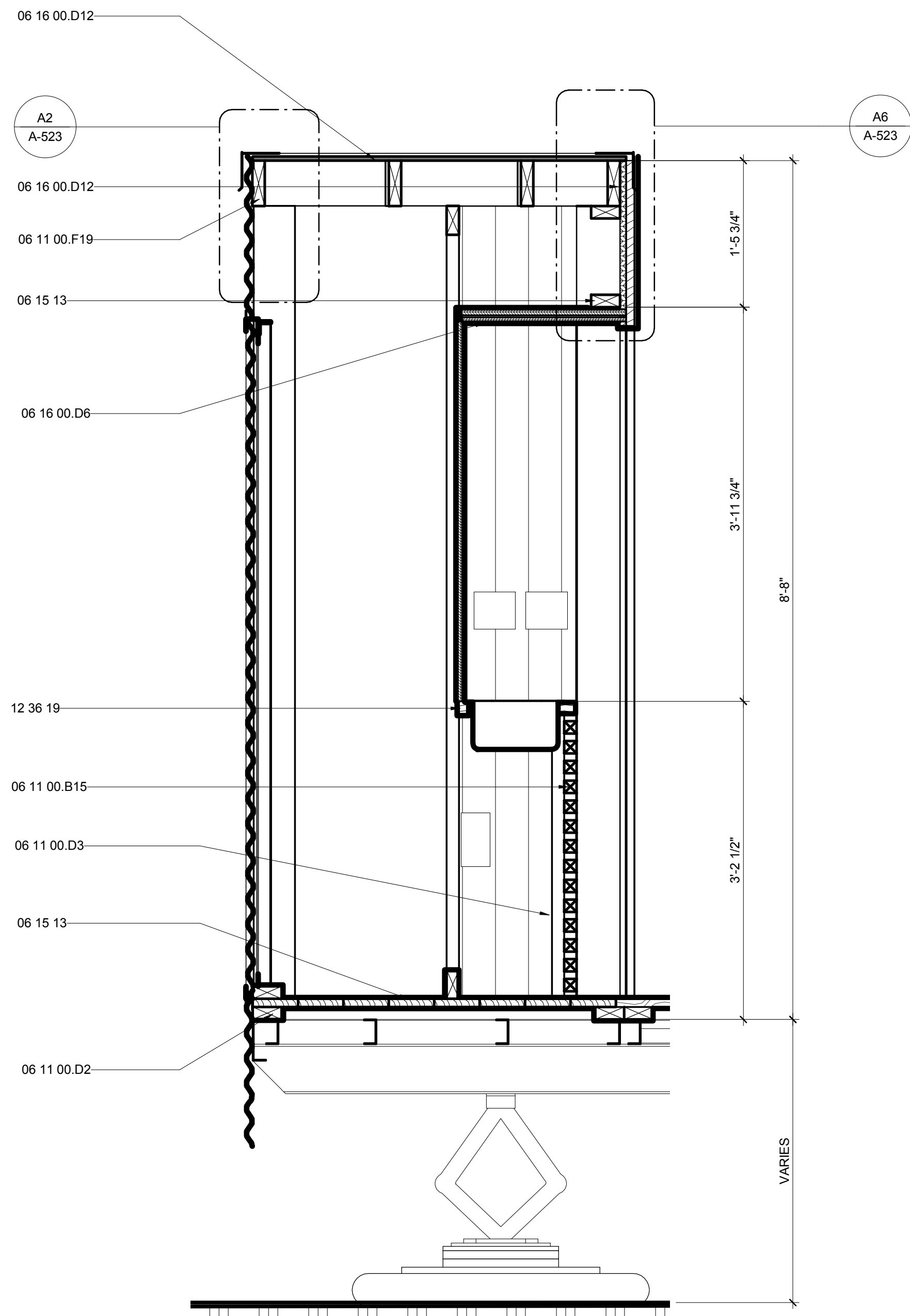
06 11 00.B15	2X2
06 11 00.D2	TREATED 2X4
06 11 00.D3	2X4 FRAMING
06 11 00.F2	2X6 FRAMING
06 11 00.F19	2X6 RAFTERS @ 16" O.C.
06 15 13	WOOD FLOOR DECKING
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 46 19	STEEL SIDING
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
12 36 19	WOOD COUNTERTOPS

SHEET KEYNOTES

G
F
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A1 OUTDOOR KITCHEN SOUTH WALL SECTION
1" = 1'-0"
0 1/2' 1' 2'



A5 OUTDOOR KITCHEN EAST WALL SECTION
1" = 1'-0"
0 1/2' 1' 2'



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PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
OM WALL SECTIONS

SHEET NUMBER:

A-317

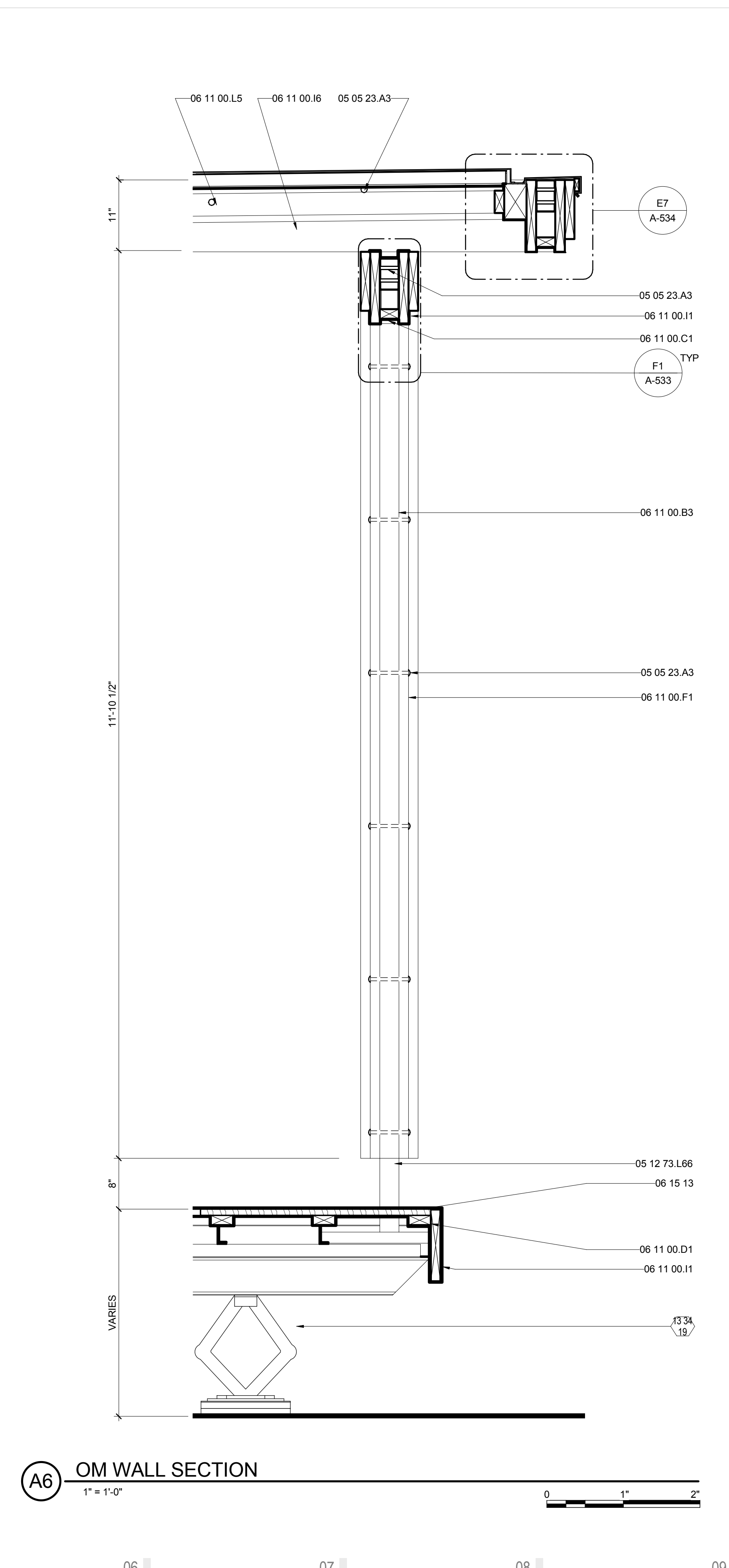
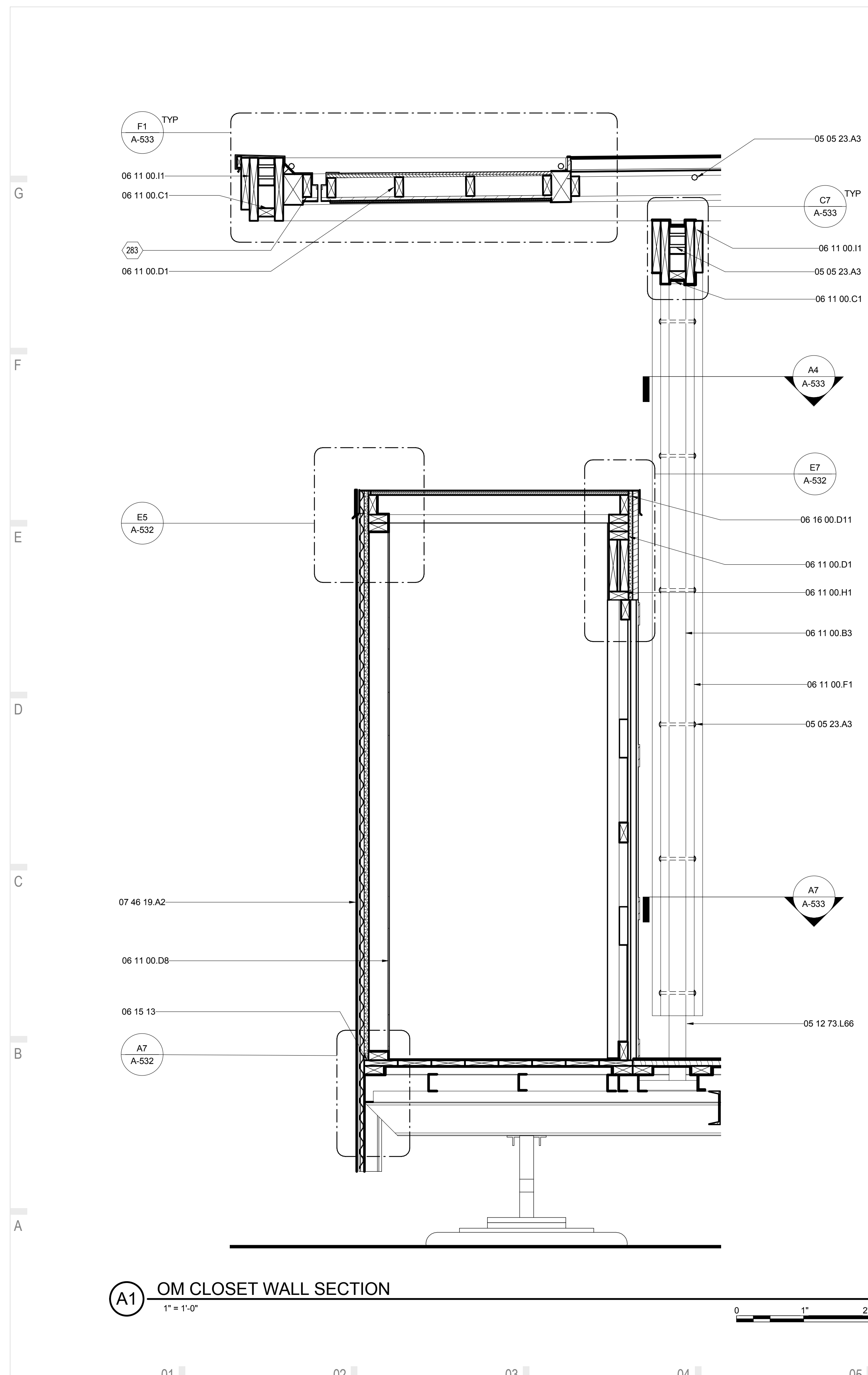
GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 05 23.A3	3/4" A307 BOLT
05 12 73.L66	TS2.5X2.5X0.3125
06 11 00.B3	1X3
06 11 00.C1	2X3
06 11 00.D1	2X4
06 11 00.D8	2X4 STUDS @ 16" O.C.
06 11 00.F1	2X6
06 11 00.H1	2X10
06 11 00.I1	2X12
06 11 00.I6	TREATED 2X12
06 11 00.L5	4X6 BEAM
06 15 13	WOOD FLOOR DECKING
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 71 13	MANUFACTURED COPINGS

SHEET KEYNOTES

283 2x6 RIPPED



01 02 03 04 05 06 07 08 09 10



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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
PHONE: 828.262.8519
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SHEET TITLE:
ENLARGED HOUSE PLAN

SHEET NUMBER:

A-401

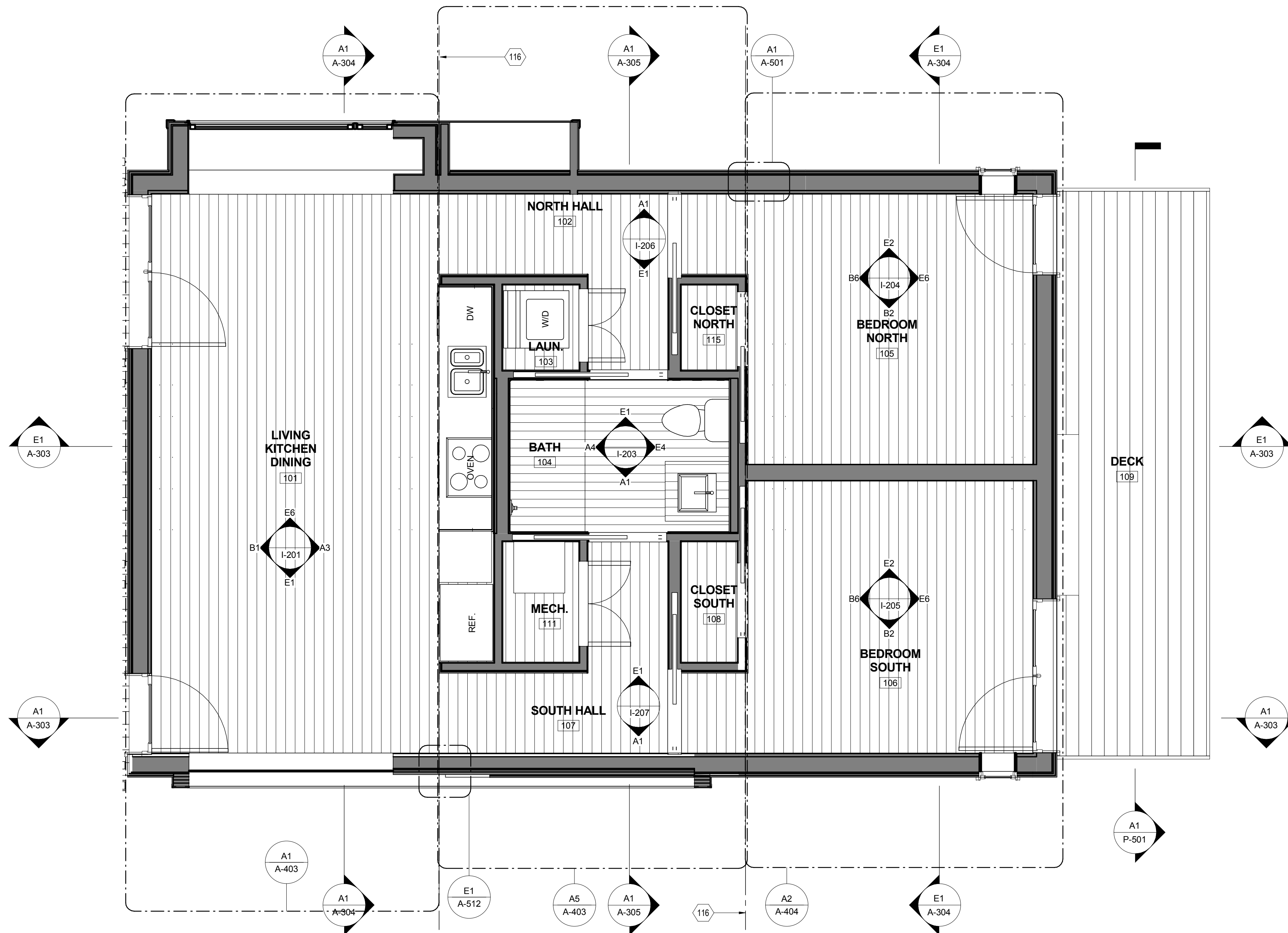
GENERAL SHEET NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUDS.

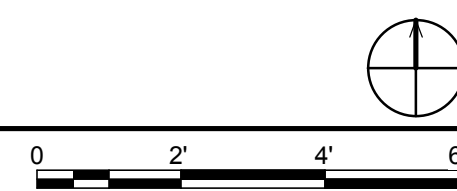
REFERENCE KEYNOTES

SHEET KEYNOTES

- 116 TRAILER MARRIAGE LINES



A1 ENLARGED HOUSE PLAN
3/8" = 1'-0"



01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10

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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
ENLARGED DIMENSIONED PLAN

SHEET NUMBER:

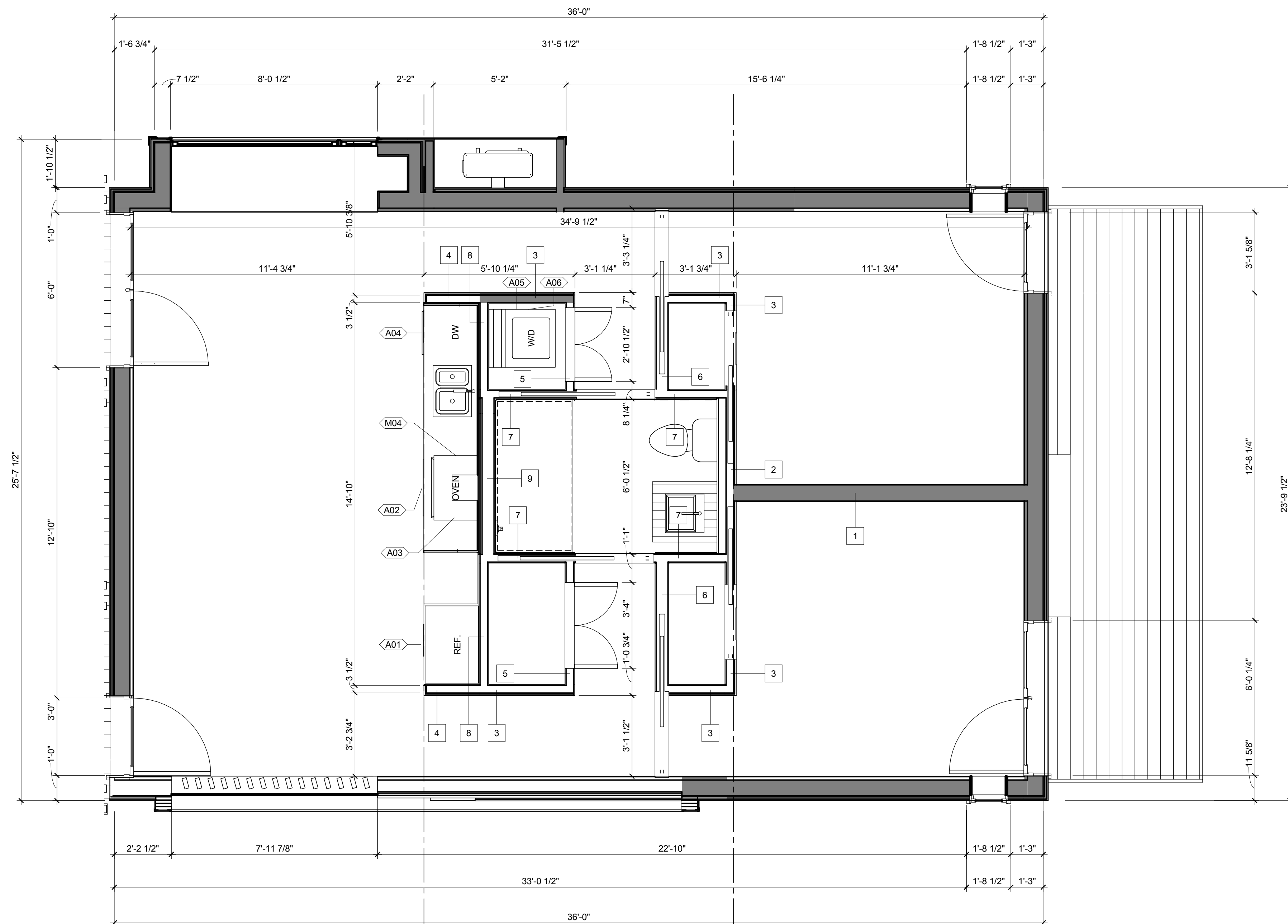
A-402

GENERAL SHEET NOTES

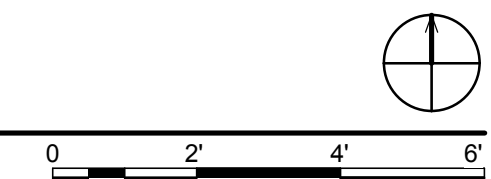
1. ALL DIMENSIONS ARE TO FACE OF STUDS.

REFERENCE KEYNOTES

SHEET KEYNOTES



(A2) ENLARGED DIMENSIONED HOUSE PLAN
3/8" = 1'-0"

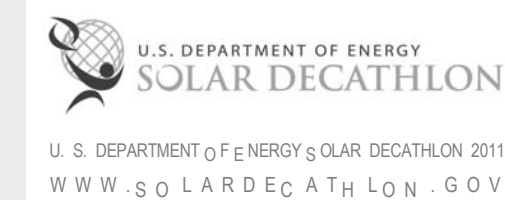




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 APPALACHIAN STATE UNIVERSITY
 1100 EAST KING STREET
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 PHONE: 828.262.8519
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SHEET TITLE:
 ENLARGED HOUSE MODULE PLANS

SHEET NUMBER:

A-403

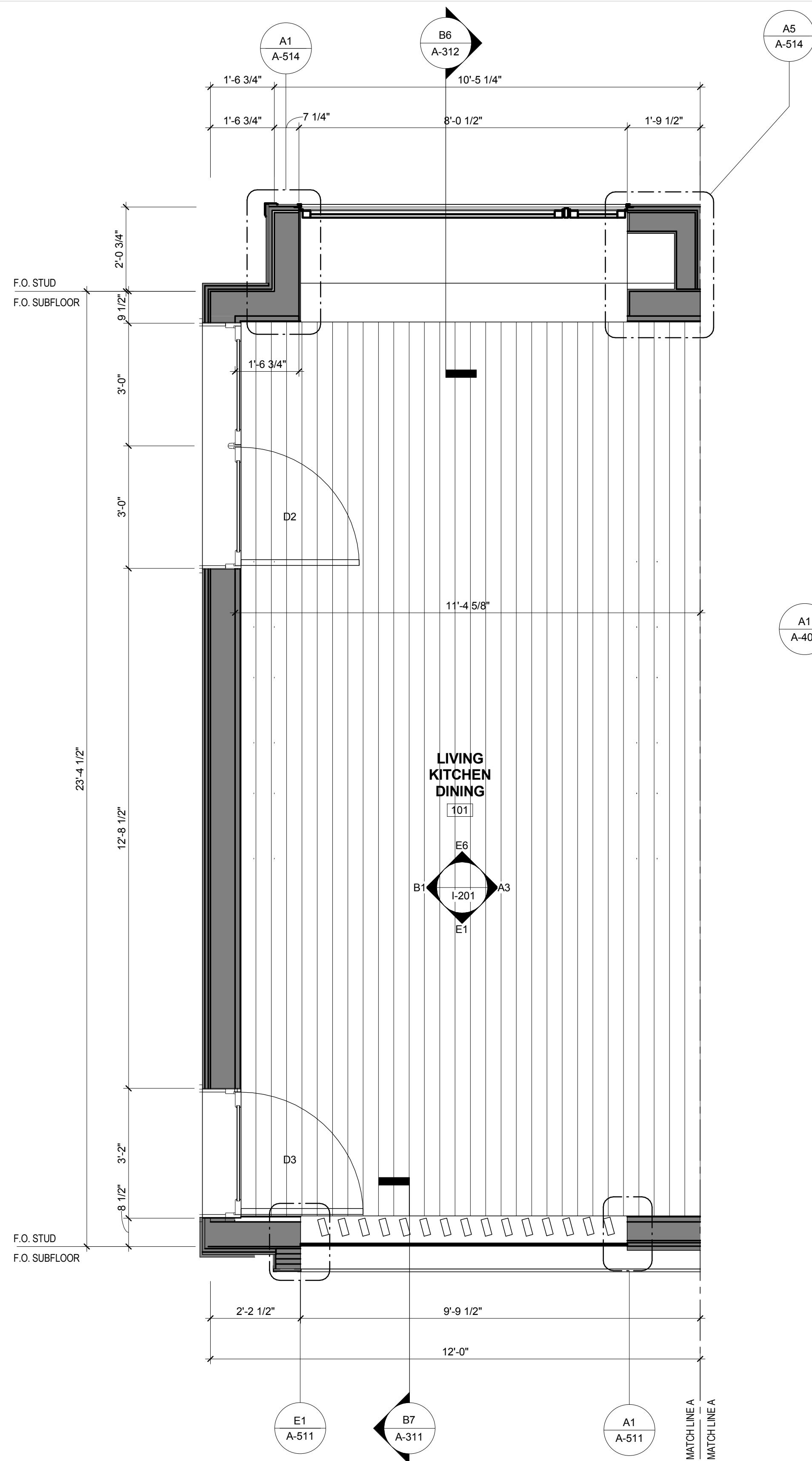
GENERAL SHEET NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUDS.

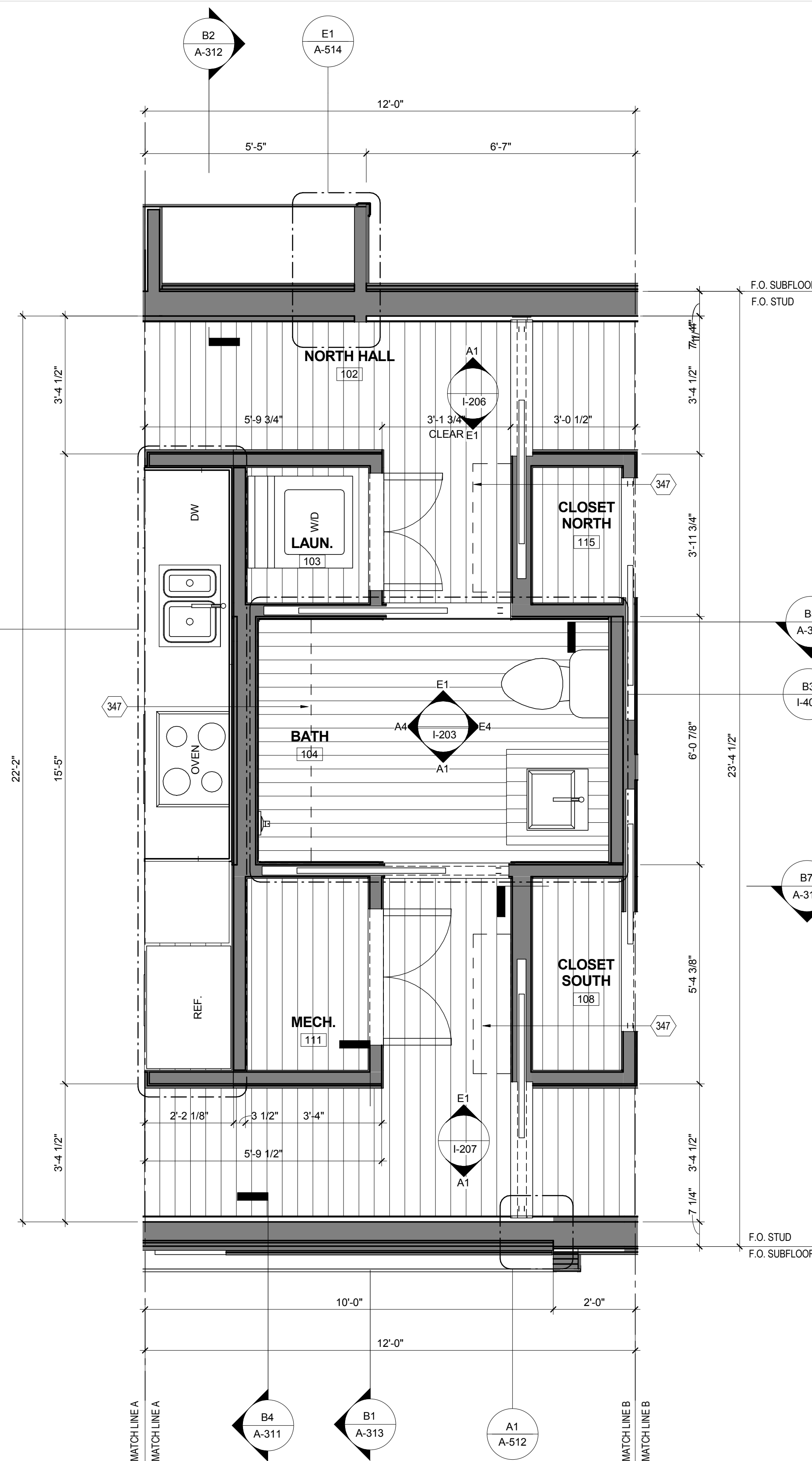
REFERENCE KEYNOTES

SHEET KEYNOTES

- 347 SKYLIGHT ABOVE



A1 ENLARGED LIVING MODULE PLAN
 1/2" = 1'-0"



A5 ENLARGED CORE MODULE PLAN
 1/2" = 1'-0"



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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
ENLARGED HOUSE MODULE
PLANS

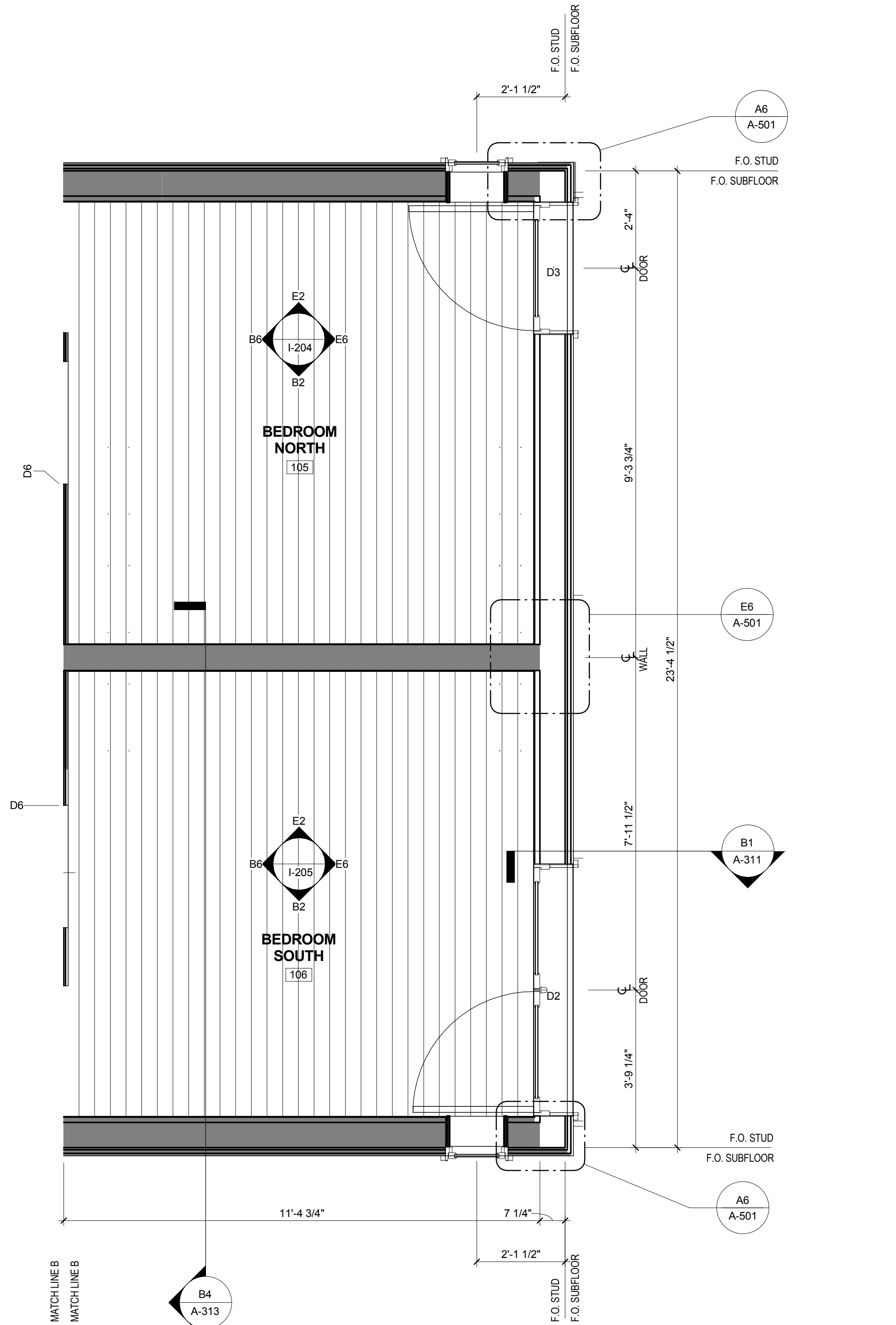
SHEET NUMBER:

A-404

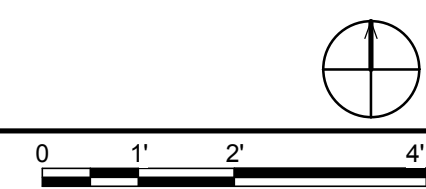
GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



A2 ENLARGED BED MODULE PLAN
1/2" = 1'-0"



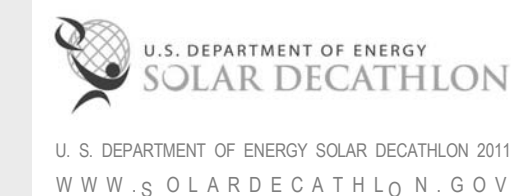


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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LOT #: 205 | APPST
DRAWN BY: ZSH, MAS, JA
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STATUS: AS-BUILT DRAWINGS

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SHEET TITLE:
ENLARGED OM PLANS

SHEET NUMBER:

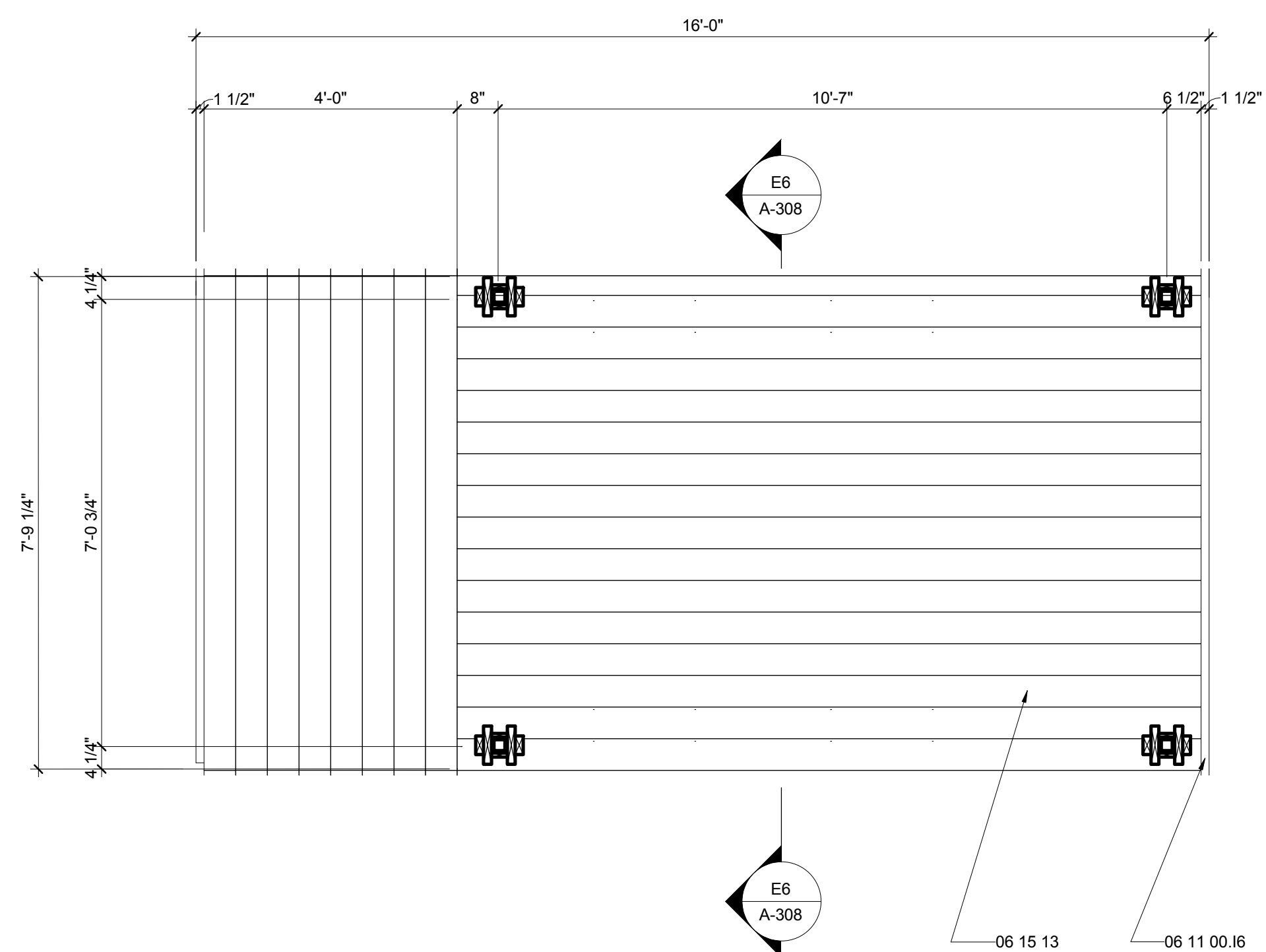
A-405

GENERAL SHEET NOTES

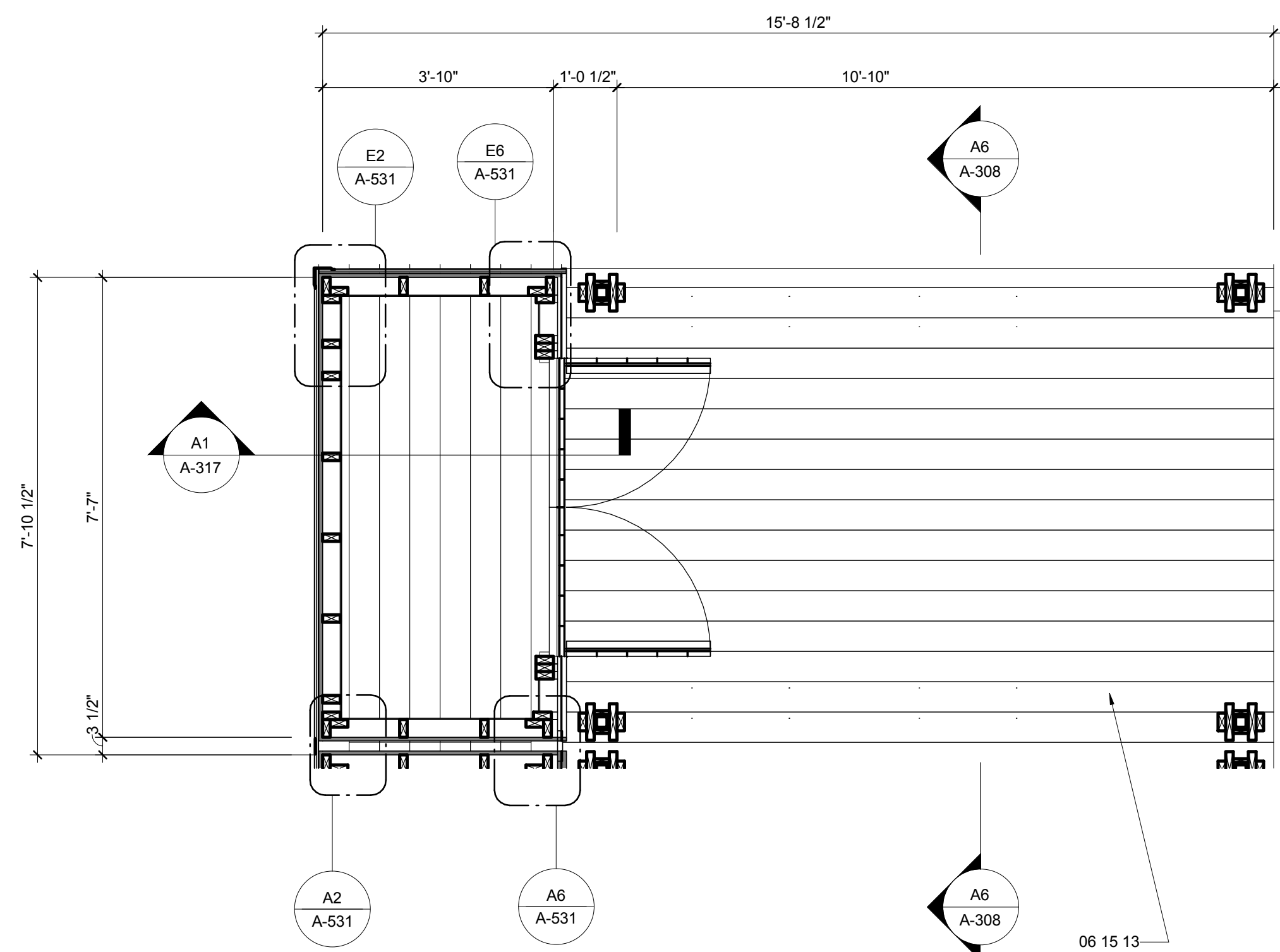
REFERENCE KEYNOTES

06 11 00.16 TREATED 2X12
06 15 13 WOOD FLOOR DECKING

SHEET KEYNOTES



E2 ENLARGED PORCH PLAN
1/2" = 1'-0"



A2 ENLARGED OM PLAN
1/2" = 1'-0"



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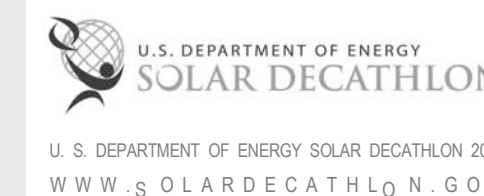


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APPALACHIAN STATE UNIVERSITY

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SHEET TITLE:
ENLARGED FLEX PLANS

SHEET NUMBER:

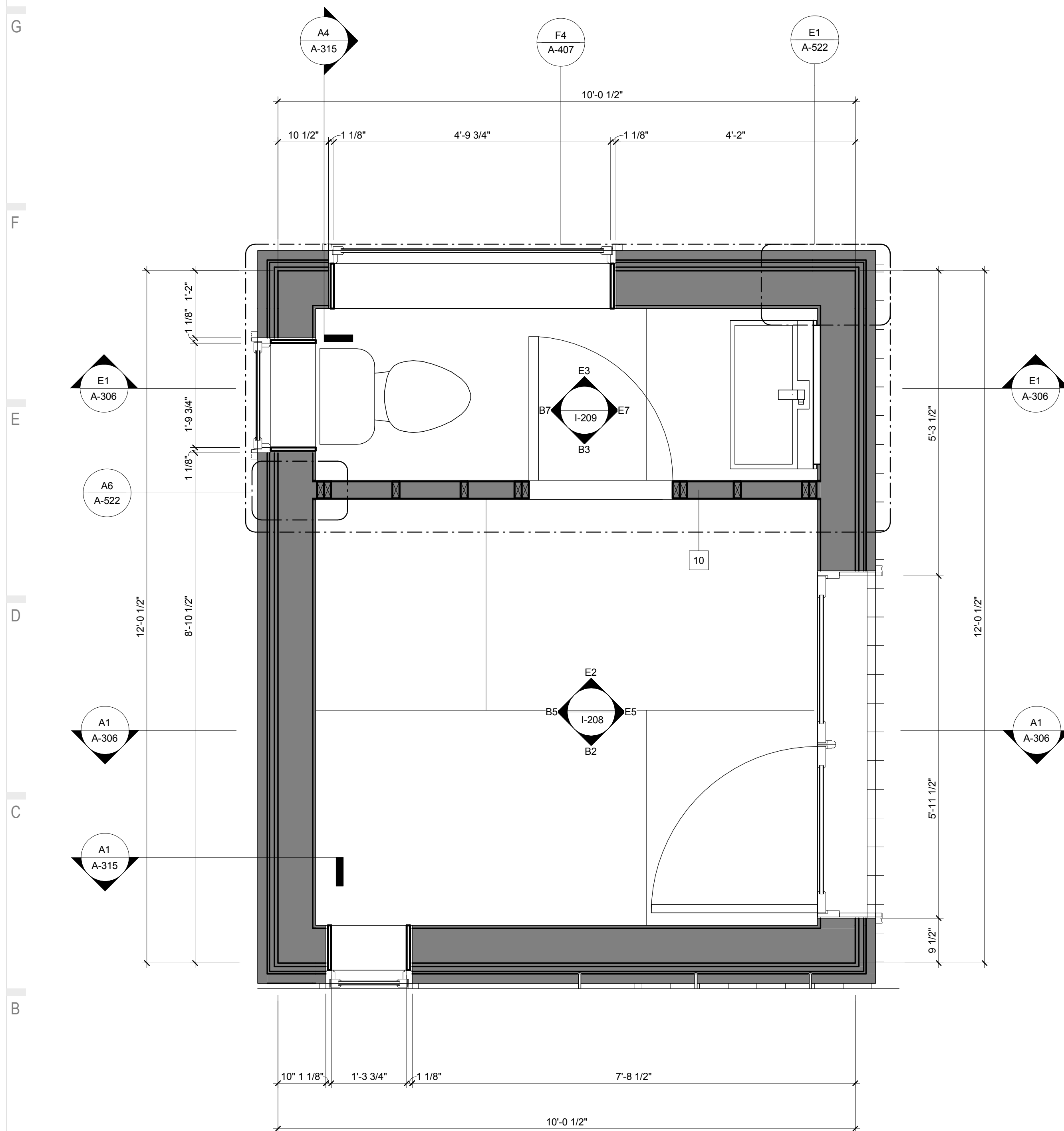
A-406

GENERAL SHEET NOTES

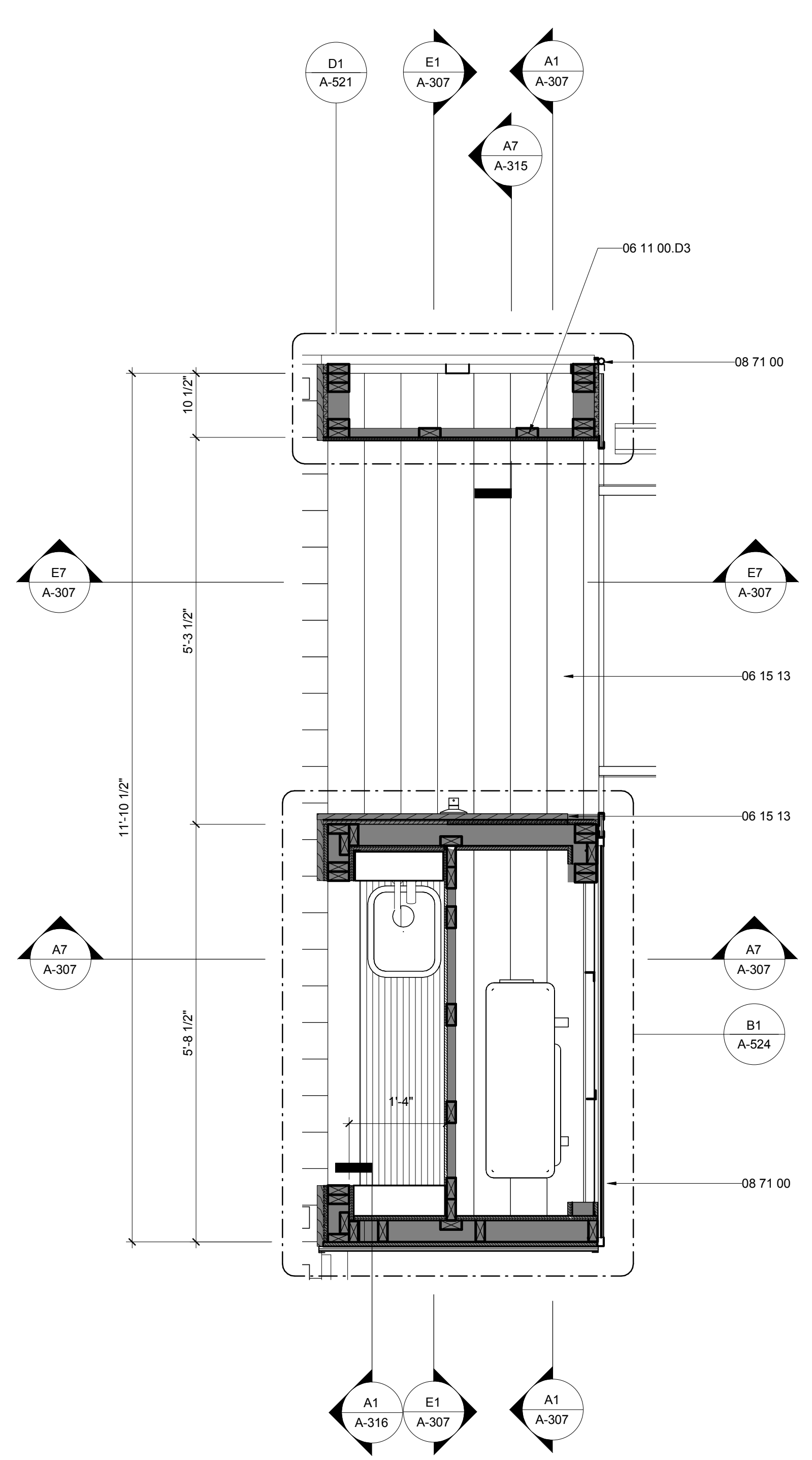
REFERENCE KEYNOTES

06 11 00.D3	2X4 FRAMING
06 15 13	WOOD FLOOR DECKING
08 71 00	DOOR HARDWARE

SHEET KEYNOTES



A1 ENLARGED FLEX HOUSE PLAN
3/4" = 1'-0"



A7 ENLARGED FLEX KITCHEN PLAN
3/4" = 1'-0"



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SHEET TITLE:
ENLARGED KIT. & BATH

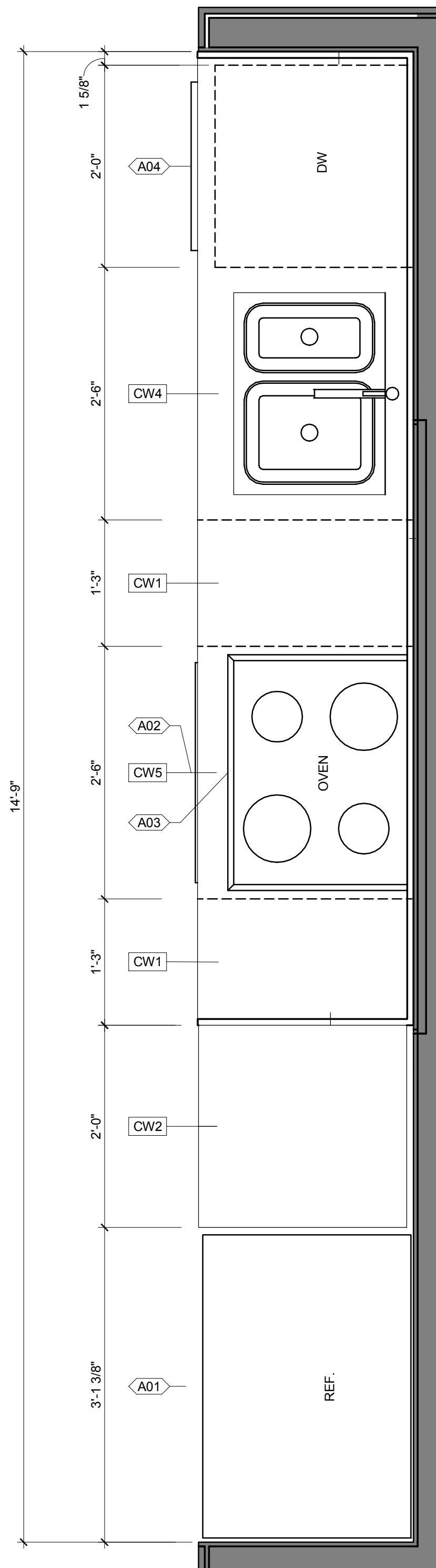
SHEET NUMBER:

A-407

GENERAL SHEET NOTES

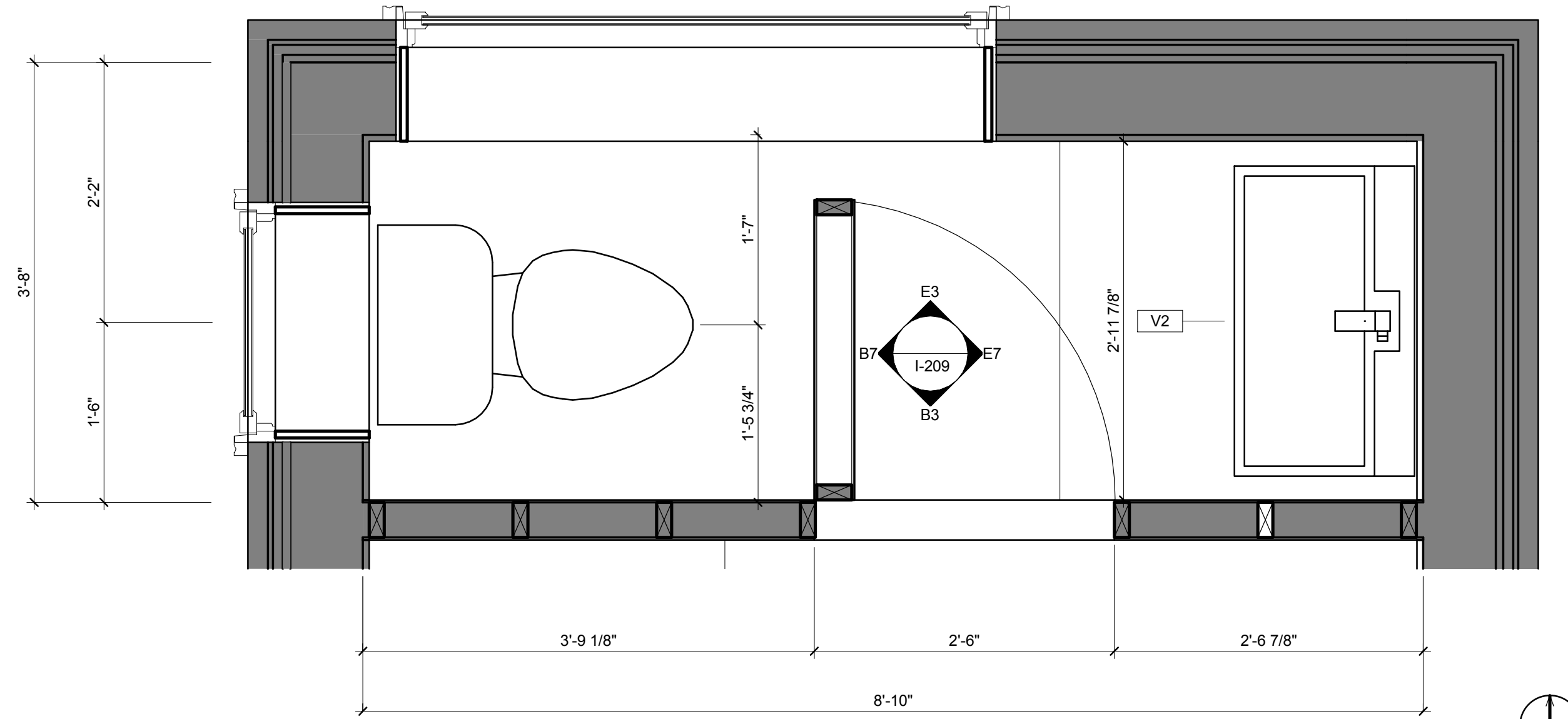
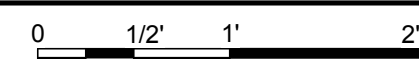
REFERENCE KEYNOTES

SHEET KEYNOTES



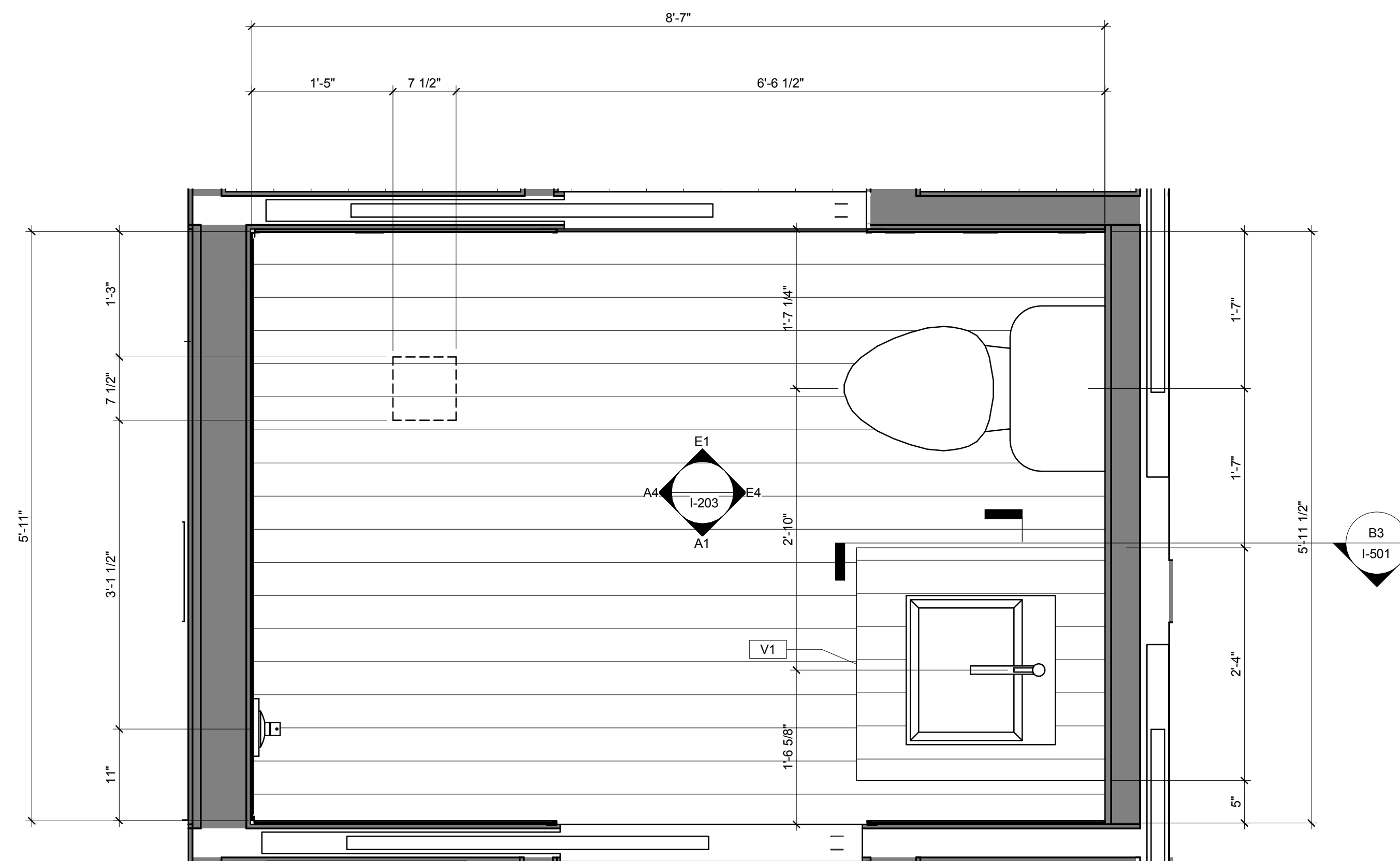
A1 ENLARGED KITCHEN PLAN

1" = 1'-0"



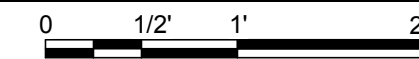
F4 ENLARGED FLEX BATHROOM PLAN

1" = 1'-0"



A4 ENLARGED BATHROOM PLAN

1" = 1'-0"



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SHEET TITLE:
ENLARGED FLEX CANOPY PLANS

SHEET NUMBER:

A-411

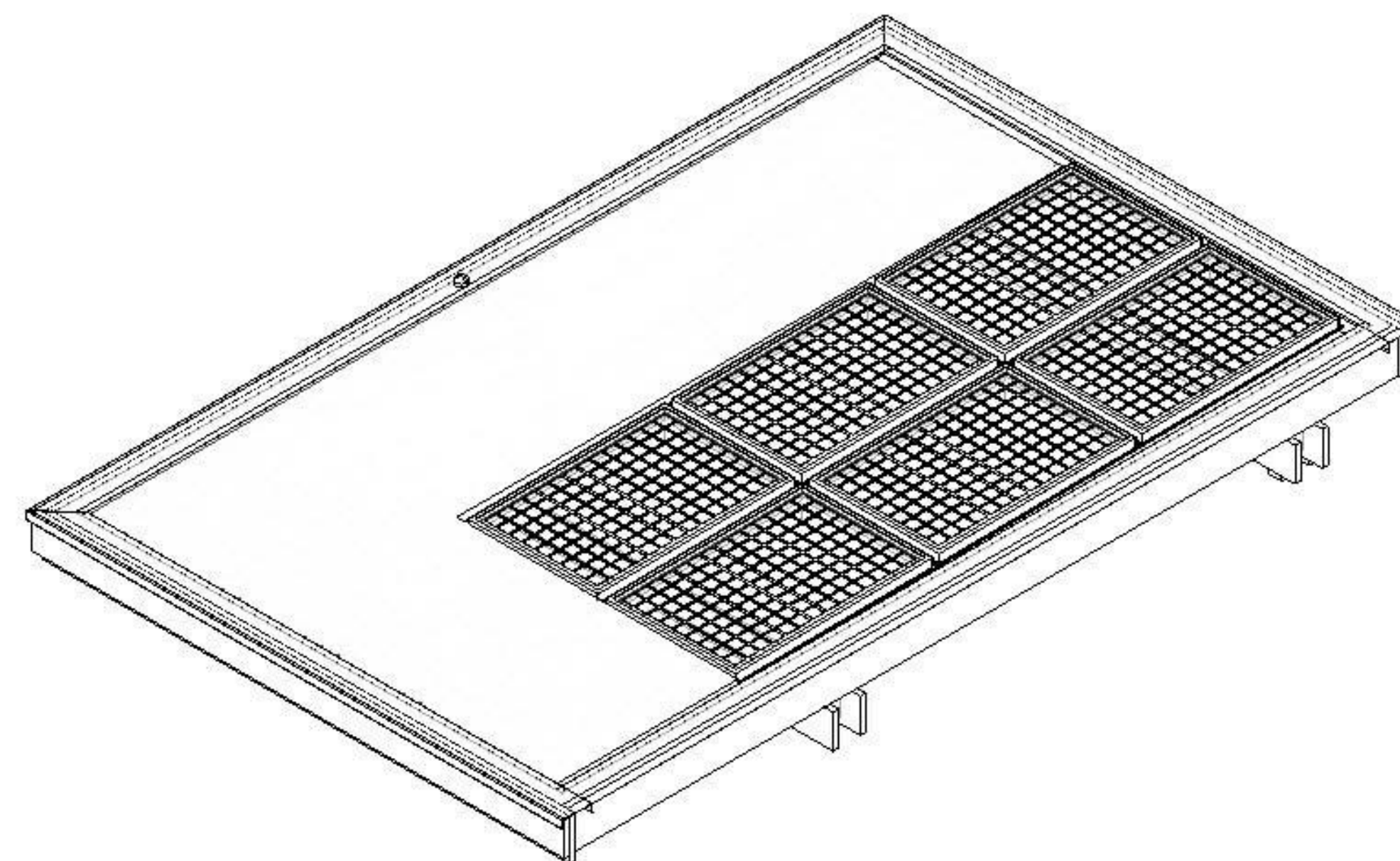
GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 11 00.B2	1X2
06 11 00.D3	2X4 FRAMING
06 11 00.H1	2X10
06 11 00.I1	2X12
06 11 00.L1	4X4
06 11 00.L5	4X6 BEAM
06 16 00.D6	1/2" PLYWOOD
10 40 00	SAFETY SPECIALTIES

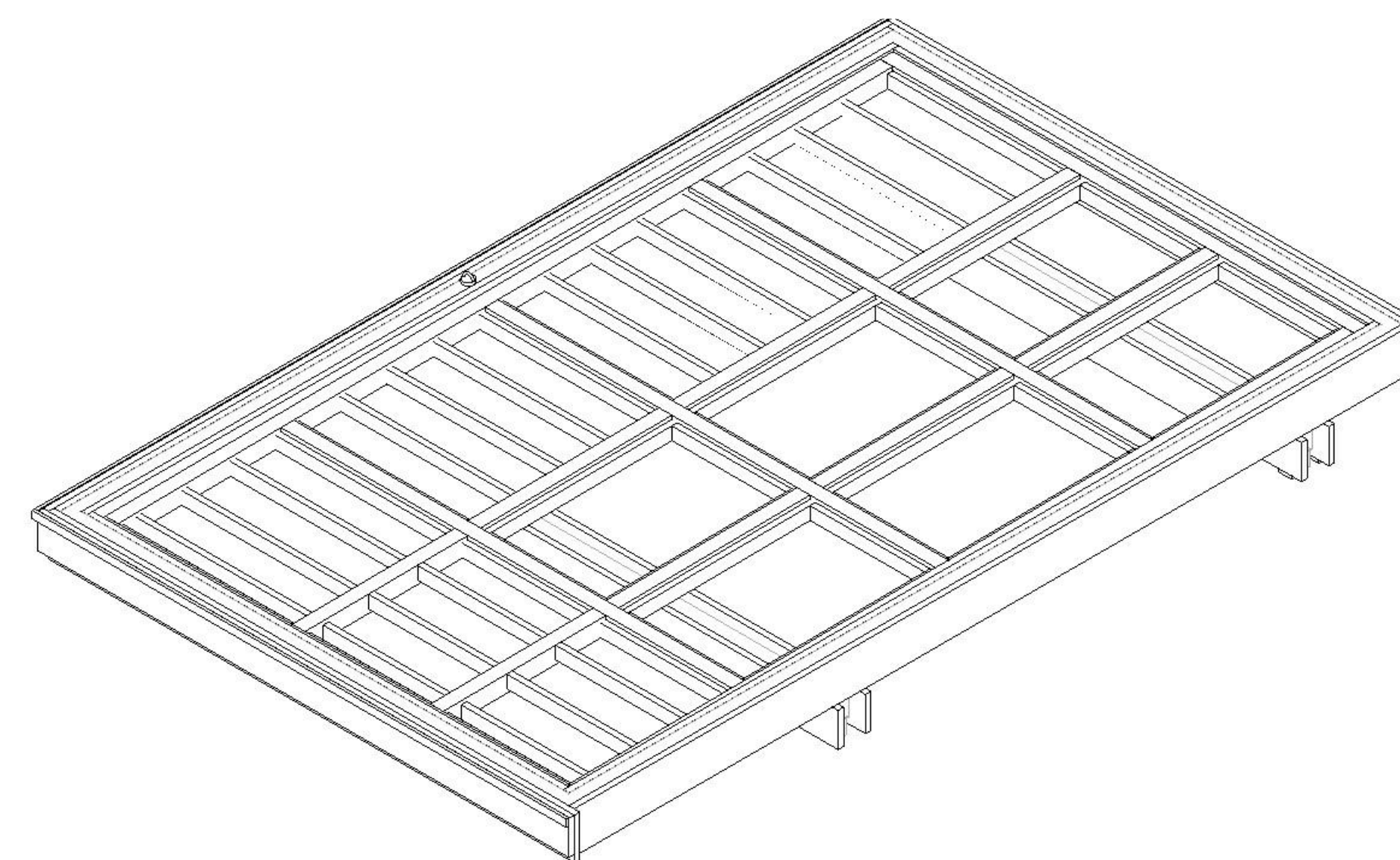
SHEET KEYNOTES

291 2X12 GIRDER FRAMING BELOW



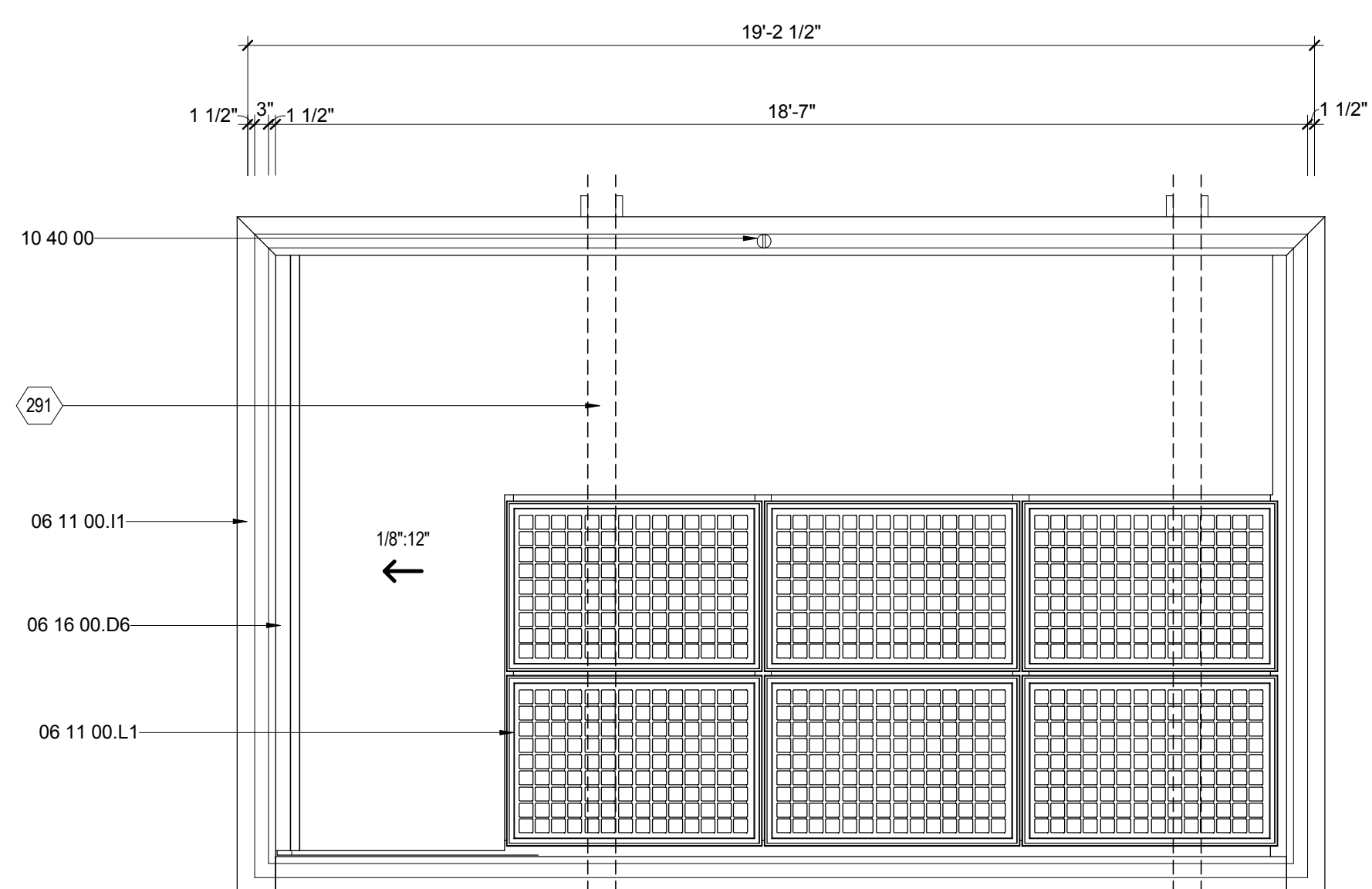
E5 FLEX CANOPY ISOMETRIC 1

NTS



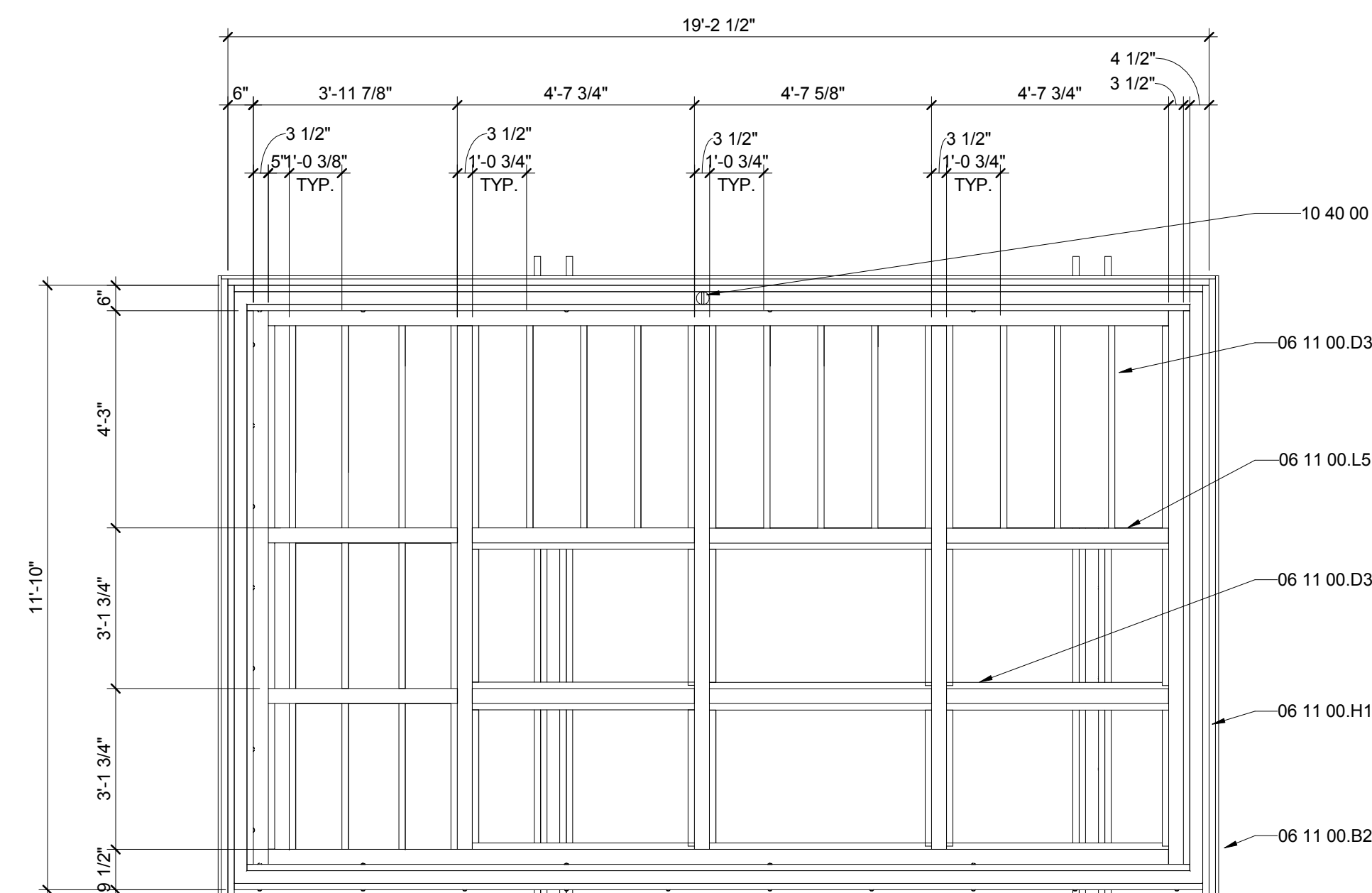
A5 FLEX CANOPY ISOMETRIC

NTS



E1 CANOPY PLAN FLEX

3/8" = 1'-0"



A1 FLEX CANOPY FRAMING PLAN

3/8" = 1'-0"



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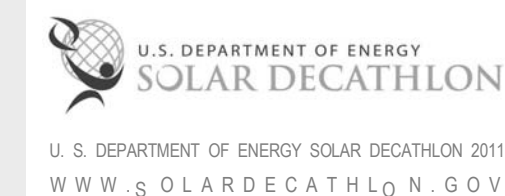


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1100 EAST KING STREET
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SHEET TITLE:
ENLARGED TYP. CANOPY PLANS

SHEET NUMBER:

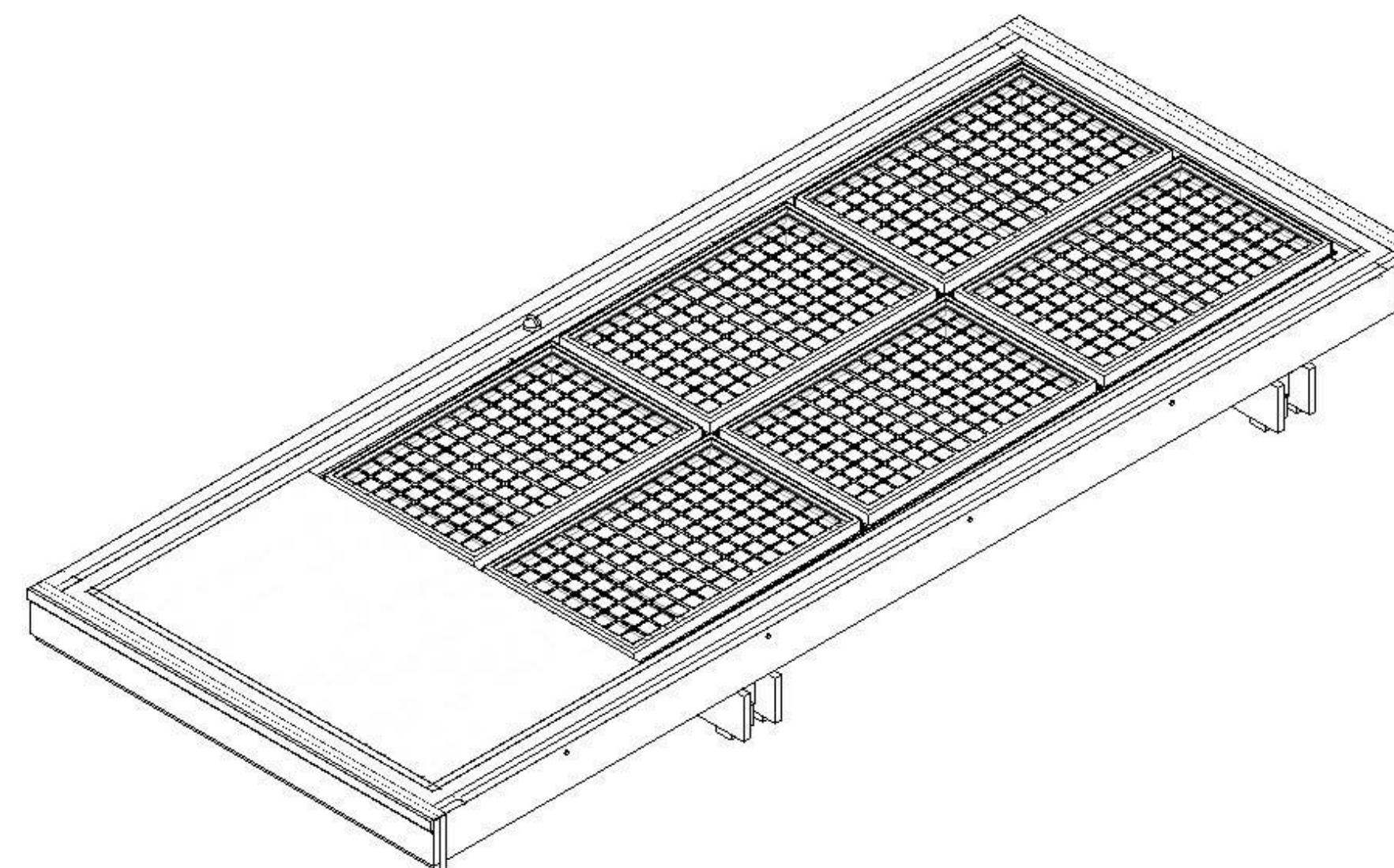
A-412

GENERAL SHEET NOTES

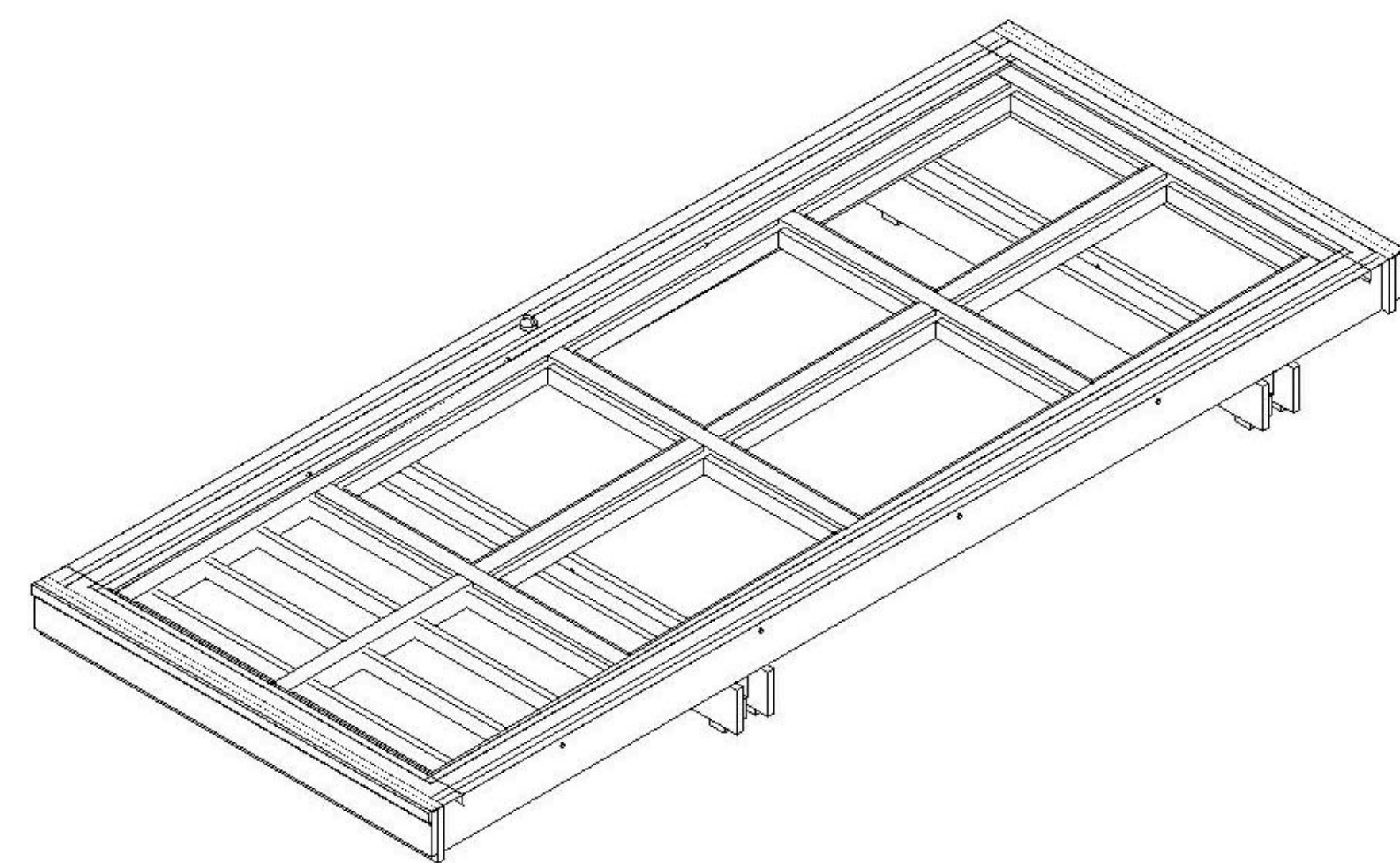
REFERENCE KEYNOTES

06 11 00.B2	1X2
06 11 00.D1	2X4
06 11 00.D3	2X4 FRAMING
06 11 00.H1	2X10
06 11 00.I1	2X12
06 11 00.L5	4X6 BEAM
06 16 00.D6	1/2" PLYWOOD
10 40 00	SAFETY SPECIALTIES

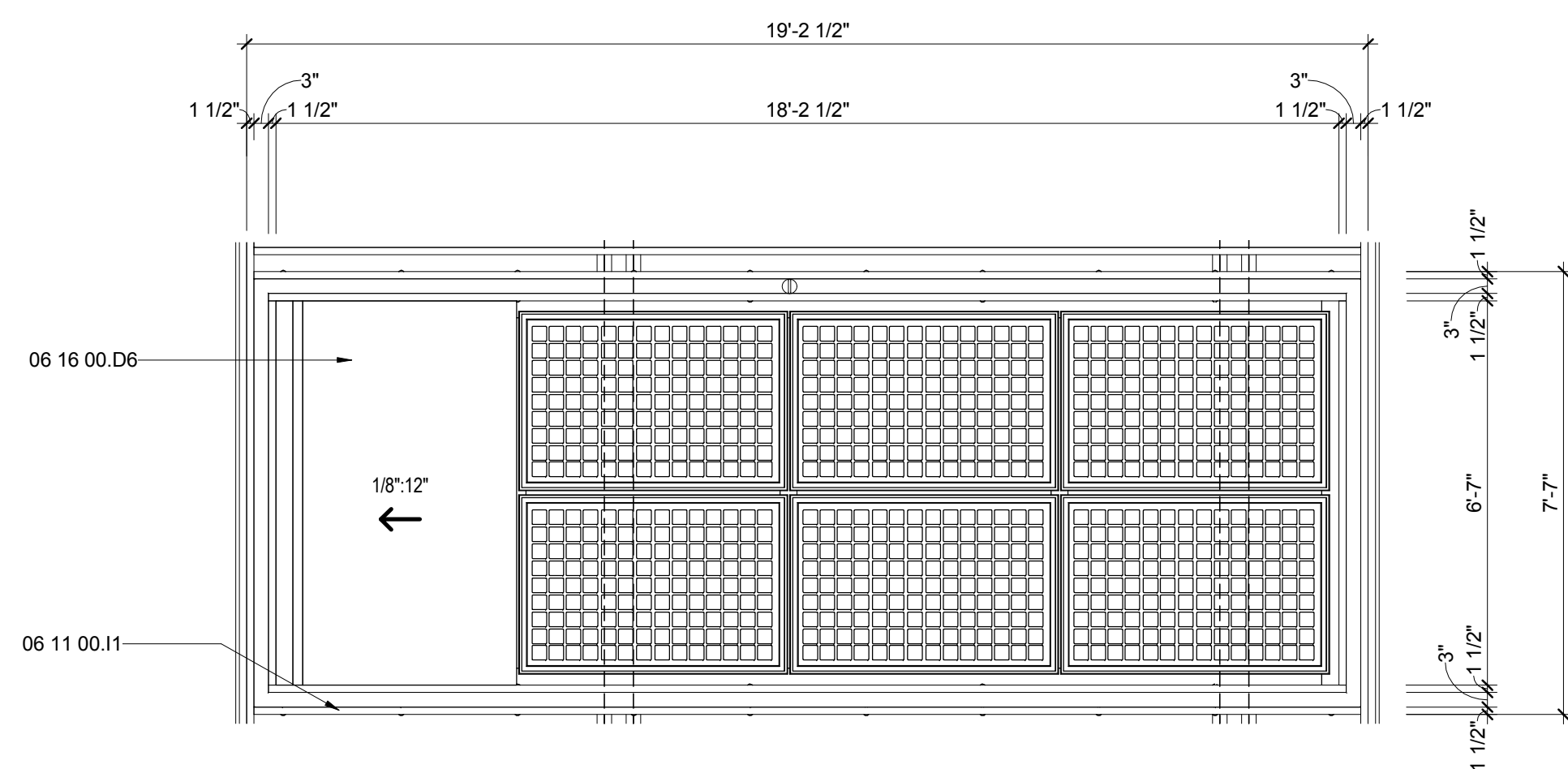
SHEET KEYNOTES



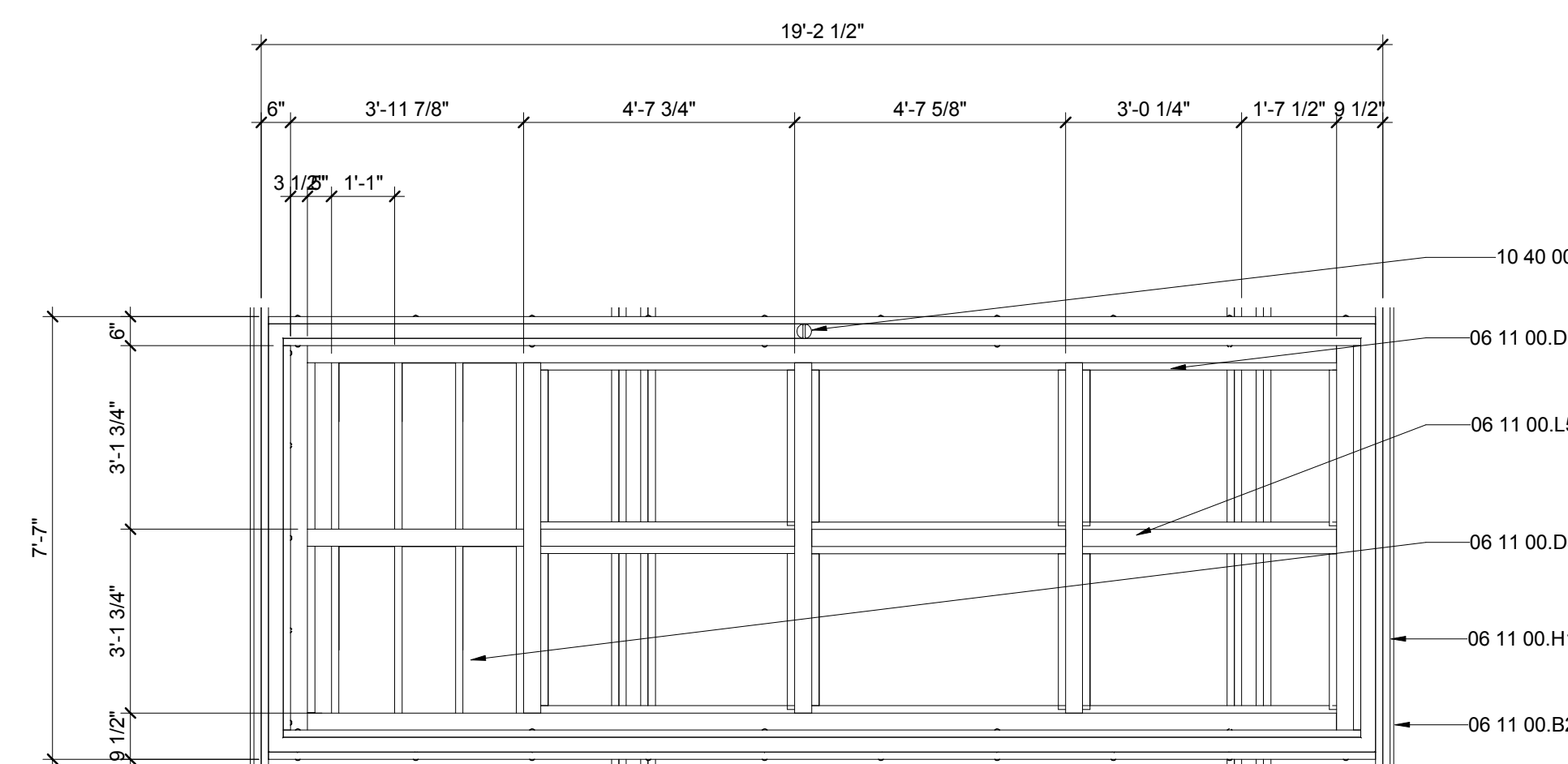
F6 TYPICAL CANOPY ISOMETRIC
NTS



B6 CANOPY FRAMING ISOMETRIC
NTS



F1 TYPICAL CANOPY PLAN
3/8" = 1'-0"



B1 TYPICAL CANOPY FRAMING PLAN
3/8" = 1'-0"

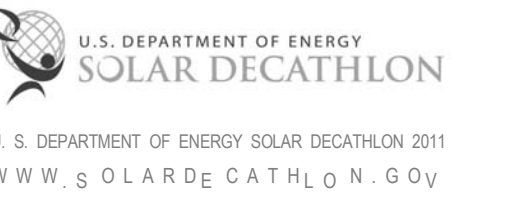


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APPALACHIAN STATE UNIVERSITY

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SHEET TITLE:
HOUSE PLAN DETAILS

SHEET NUMBER:

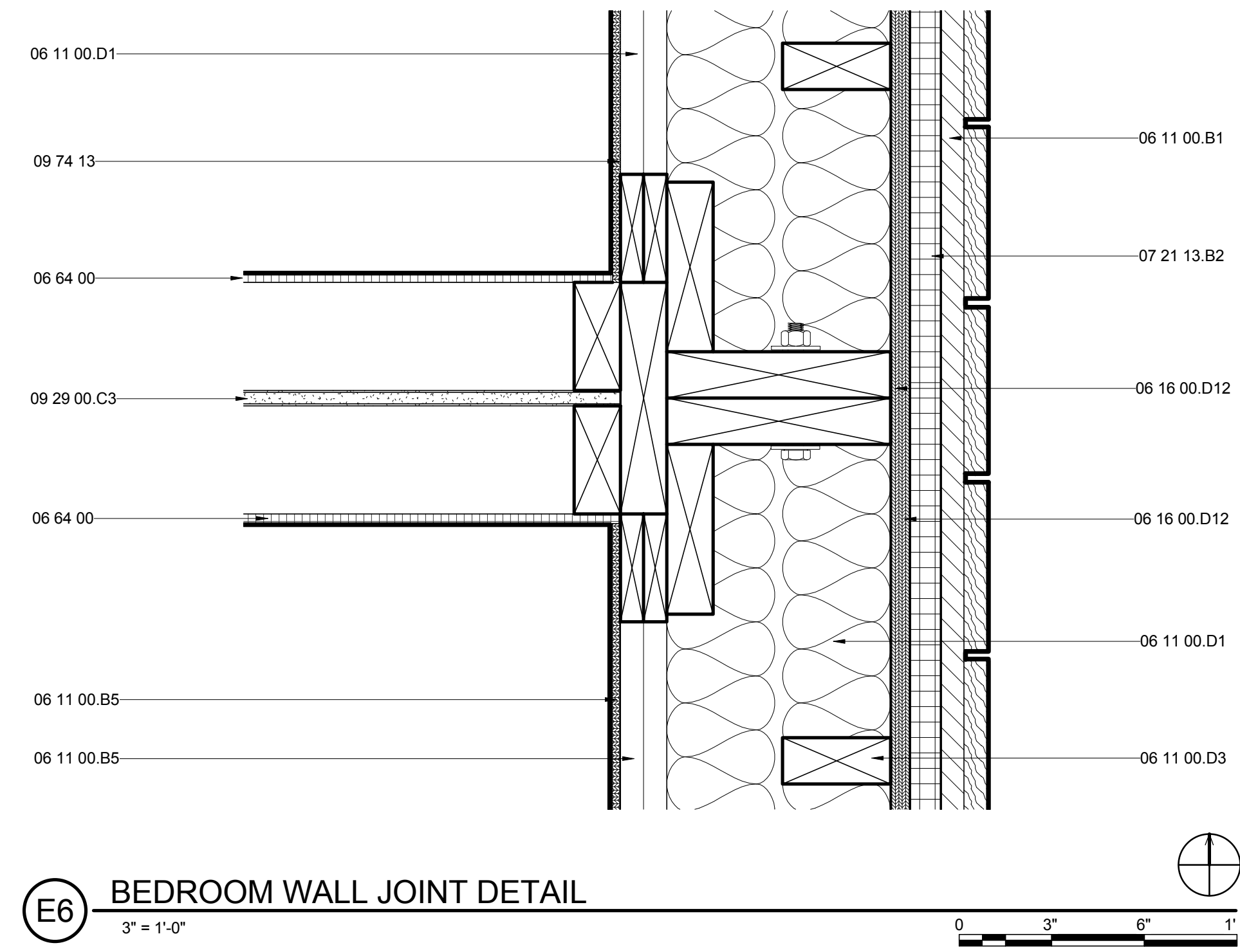
A-501

GENERAL SHEET NOTES

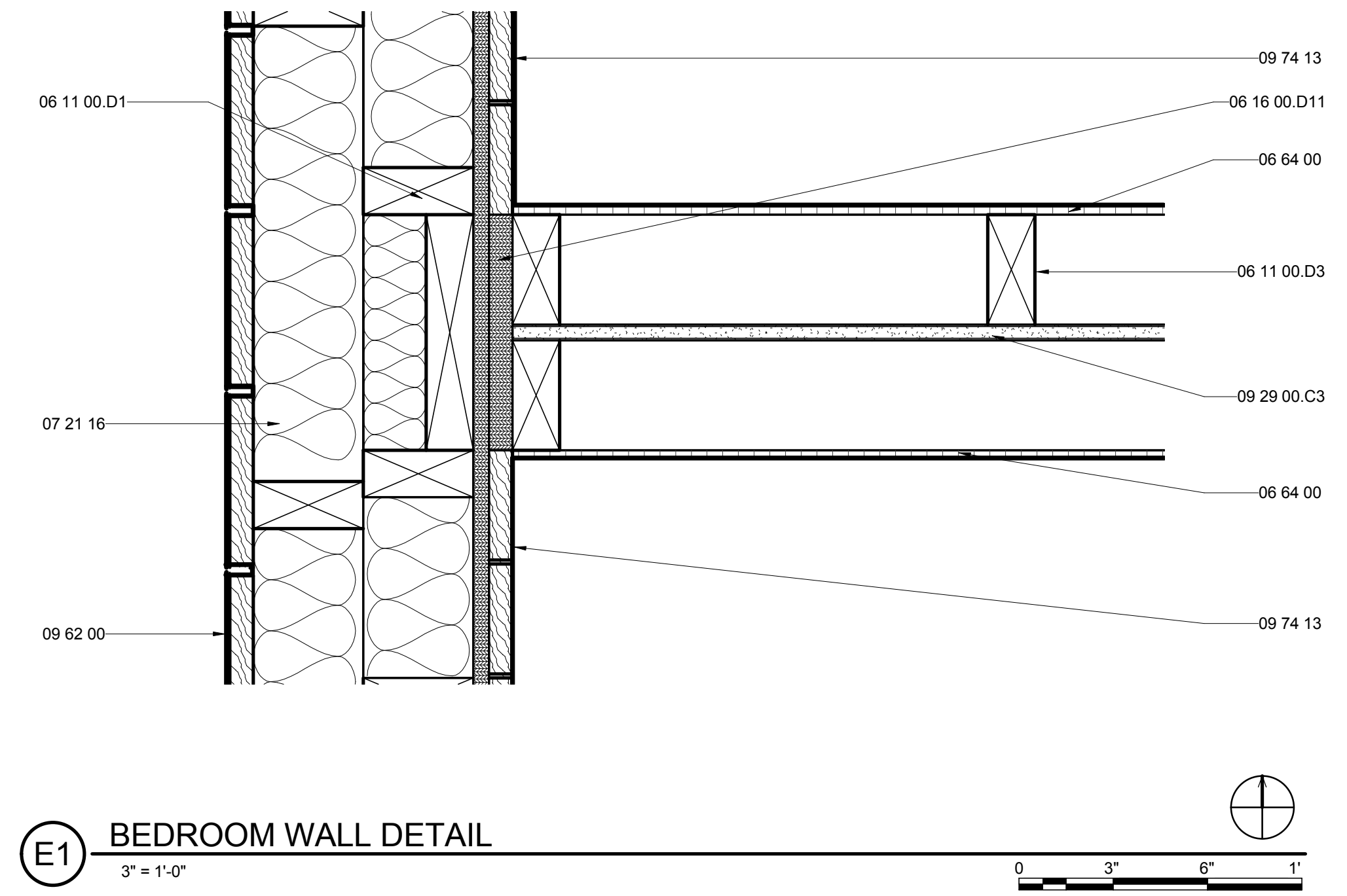
REFERENCE KEYNOTES

06 11 00.B1	1 X_FURRING STRIPS
06 11 00.B5	1X4
06 11 00.D1	2X4
06 11 00.D3	2X4 FRAMING
06 11 00.G1	2X8
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
06 64 00	PLASTIC PANELING
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 25 00	WEATHER BARRIERS
07 46 23	WOOD SIDING
09 29 00.C3	1/2" SOUNDPROOF GYPSUM BOARD
09 62 00	SPECIALTY FLOORING
09 74 13	WOOD WALL COVERINGS

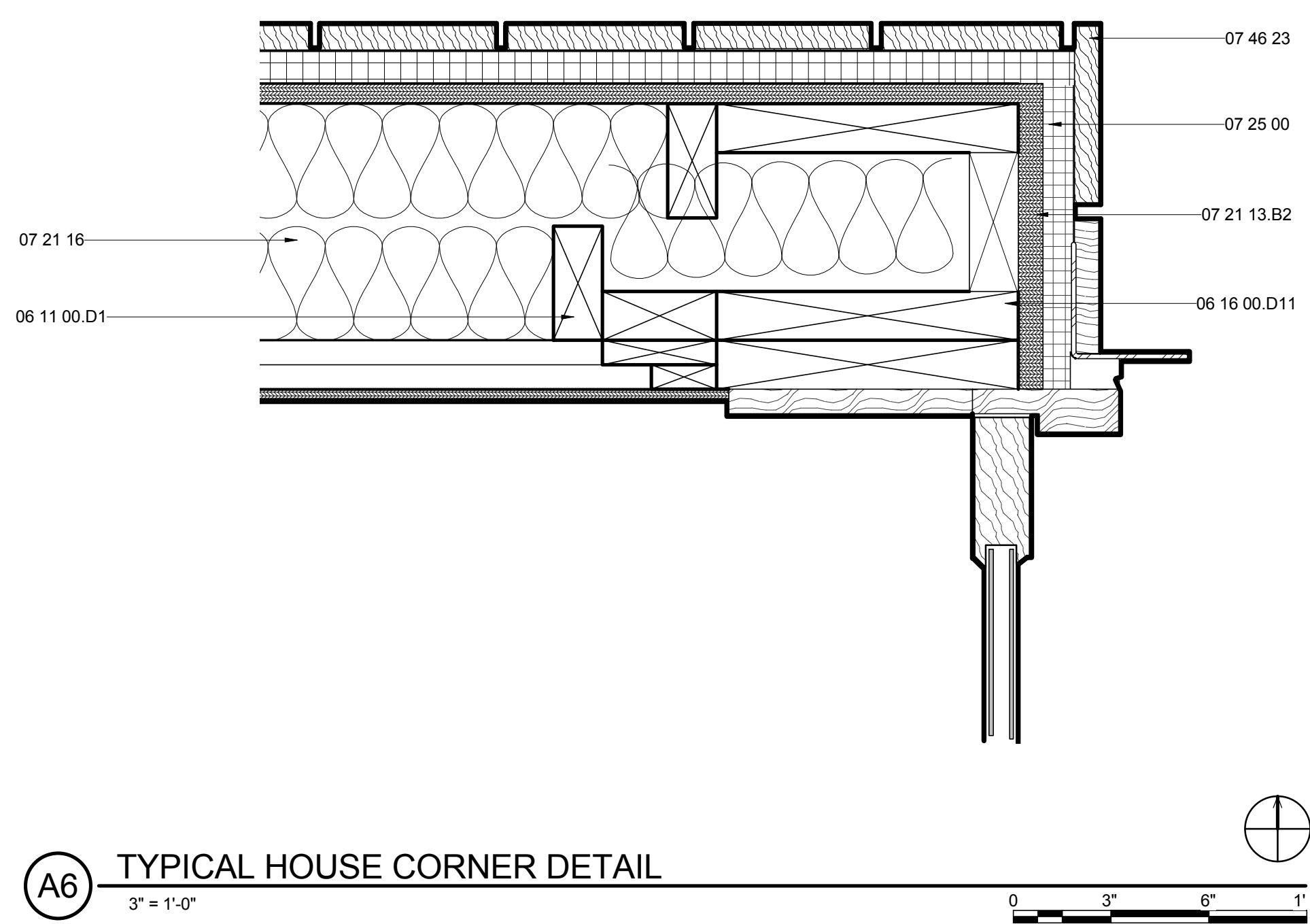
SHEET KEYNOTES



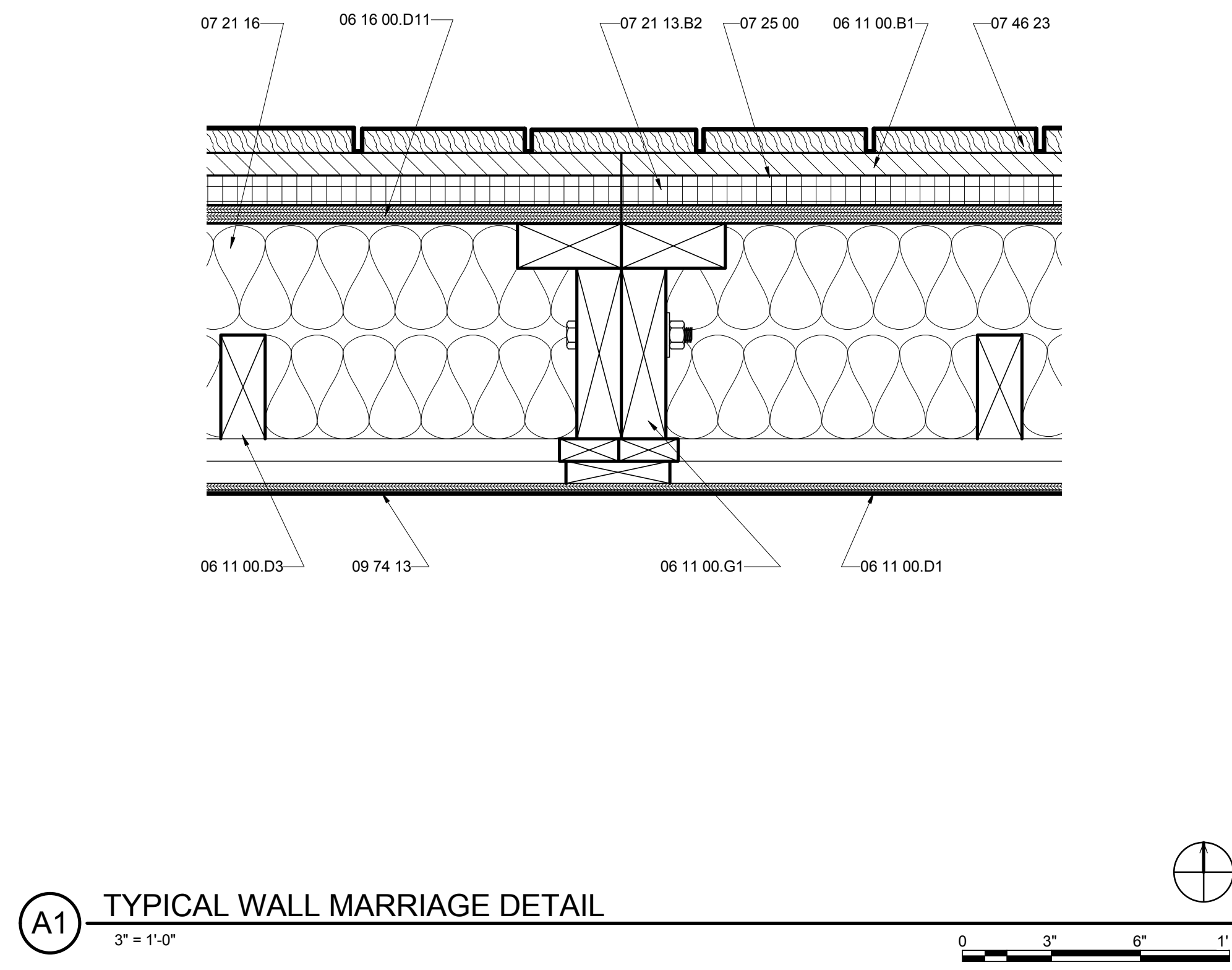
E6 BEDROOM WALL JOINT DETAIL
3" = 1'-0"



E1 BEDROOM WALL DETAIL
3" = 1'-0"



A6 TYPICAL HOUSE CORNER DETAIL
3" = 1'-0"



A1 TYPICAL WALL MARRIAGE DETAIL
3" = 1'-0"

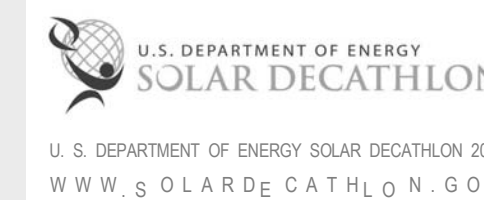


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
HOUSE BATH FLOOR DETAILS

SHEET NUMBER:

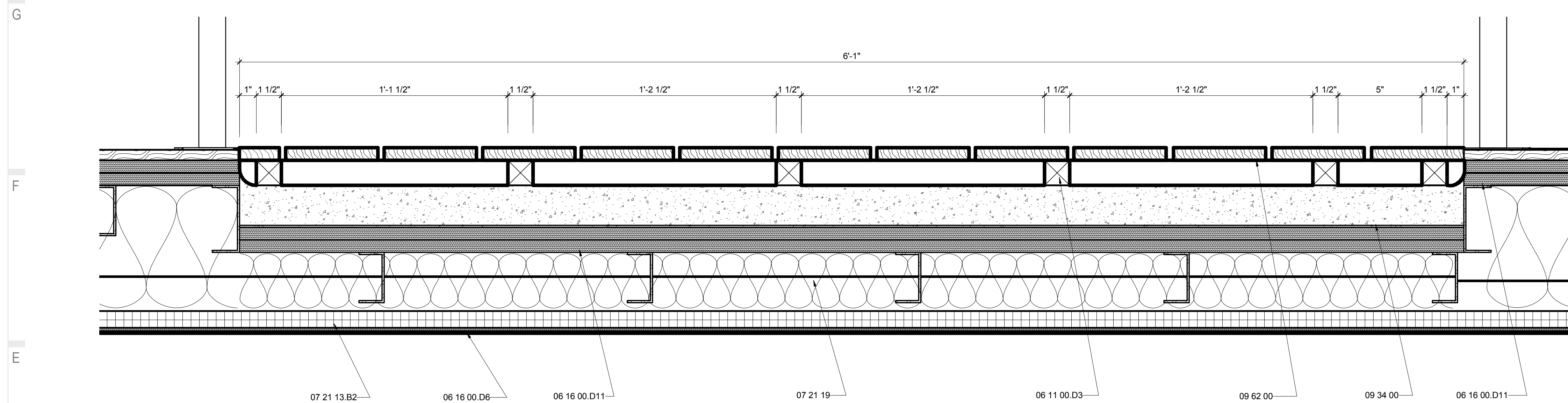
A-502

GENERAL SHEET NOTES

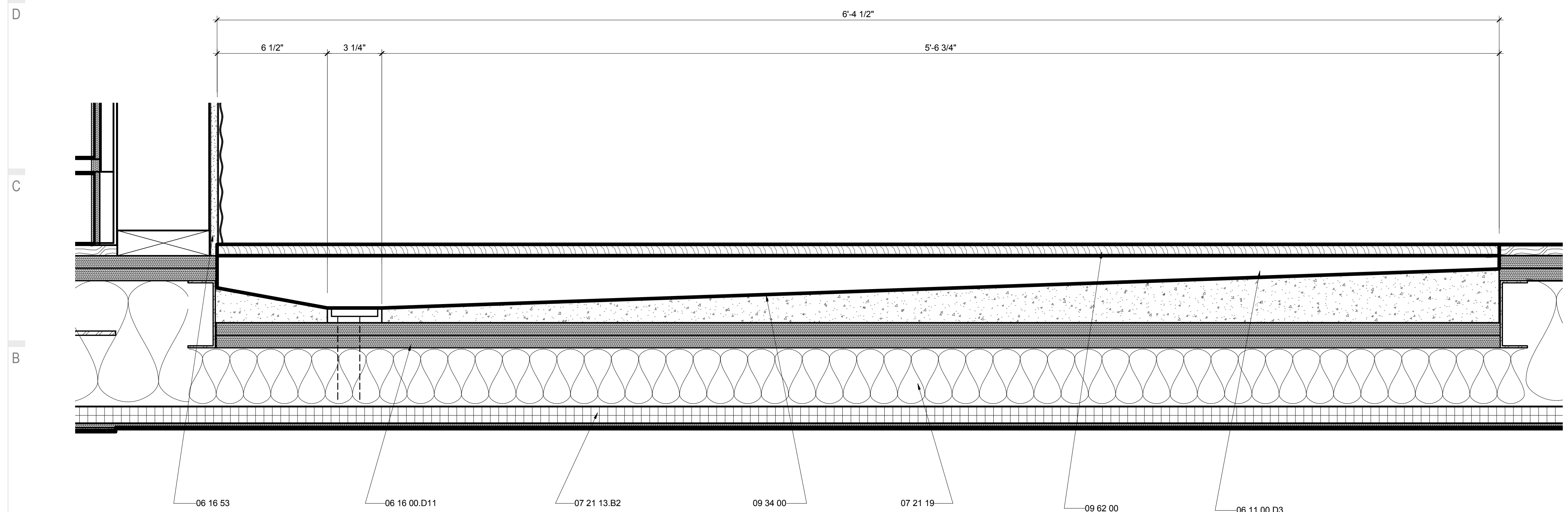
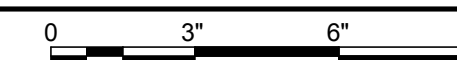
REFERENCE KEYNOTES

06 11 00.D3	2X4 FRAMING
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 53	MOISTURE-RESISTANT SHEATHING BOARD
07 21 13.B2	1" RIGID INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 34 00	WATERPROOFING-MEMBRANE TILING
09 62 00	SPECIALTY FLOORING

SHEET KEYNOTES



E1 TRANSVERSE BATHROOM FLOOR DETAIL
3" = 1'-0"



A1 LONGITUDINAL BATHROOM FLOOR DETAIL
3" = 1'-0"



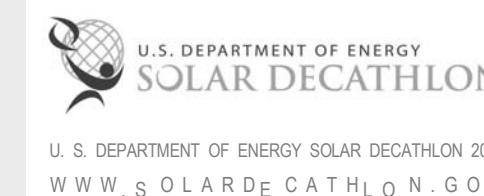


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APPALACHIAN STATE UNIVERSITY

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PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
TRAILER MARRIAGE DETAILS

SHEET NUMBER:

A-503

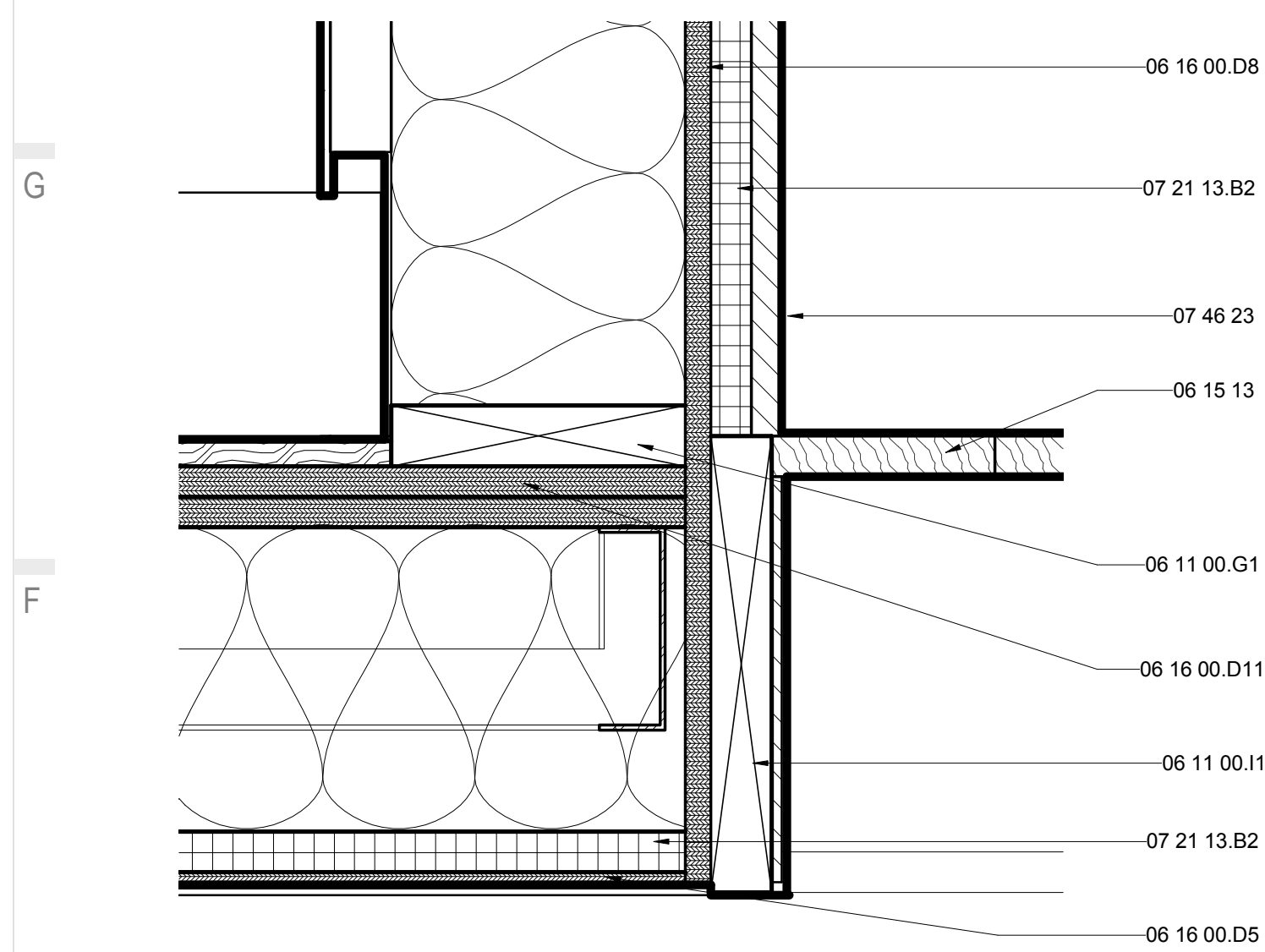
GENERAL SHEET NOTES

REFERENCE KEYNOTES

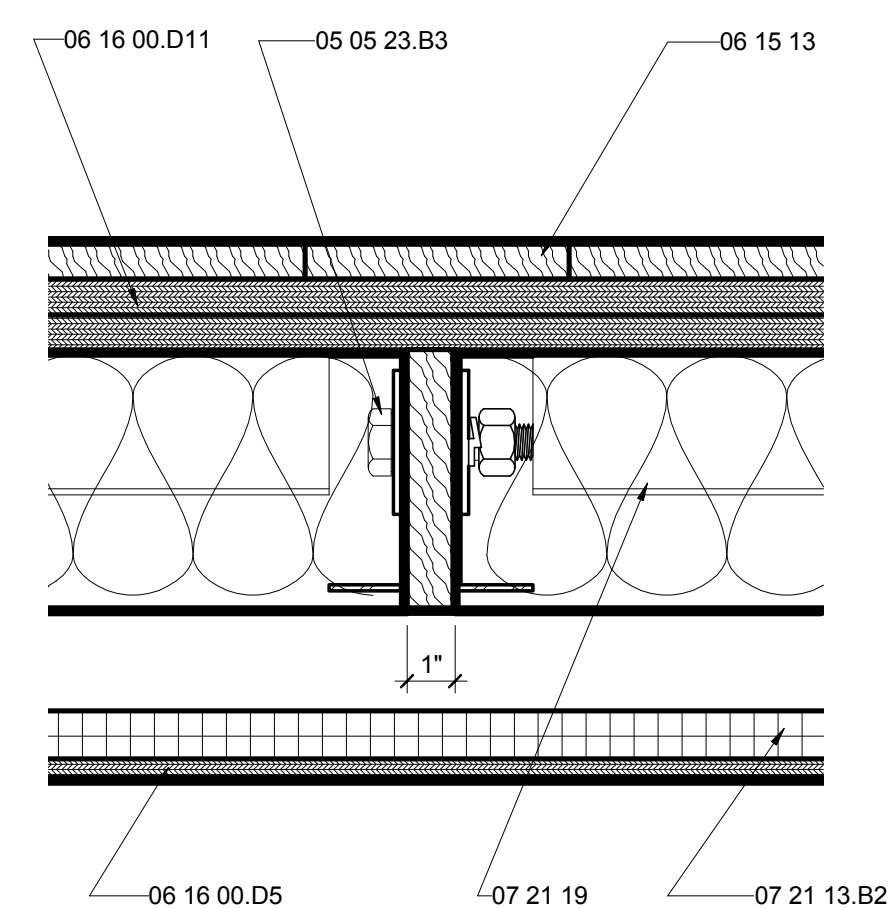
05 05 23.A3	3/4" A307 BOLT
05 05 23.A5	1" A307 BOLT
05 05 23.B3	3/4" A325 BOLT
06 11 00.D2	TREATED 2X4
06 11 00.G1	2X8
06 11 00.H1	2X10
06 11 00.H1	2X12
06 15 13	WOOD FLOOR DECKING
06 16 00.D5	3/8" EXTERIOR GRADE PLYWOOD
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 21 13.B2	1" RIGID INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 23	WOOD SIDING
09 64 29	WOOD STRIP AND PLANK FLOORING

SHEET KEYNOTES

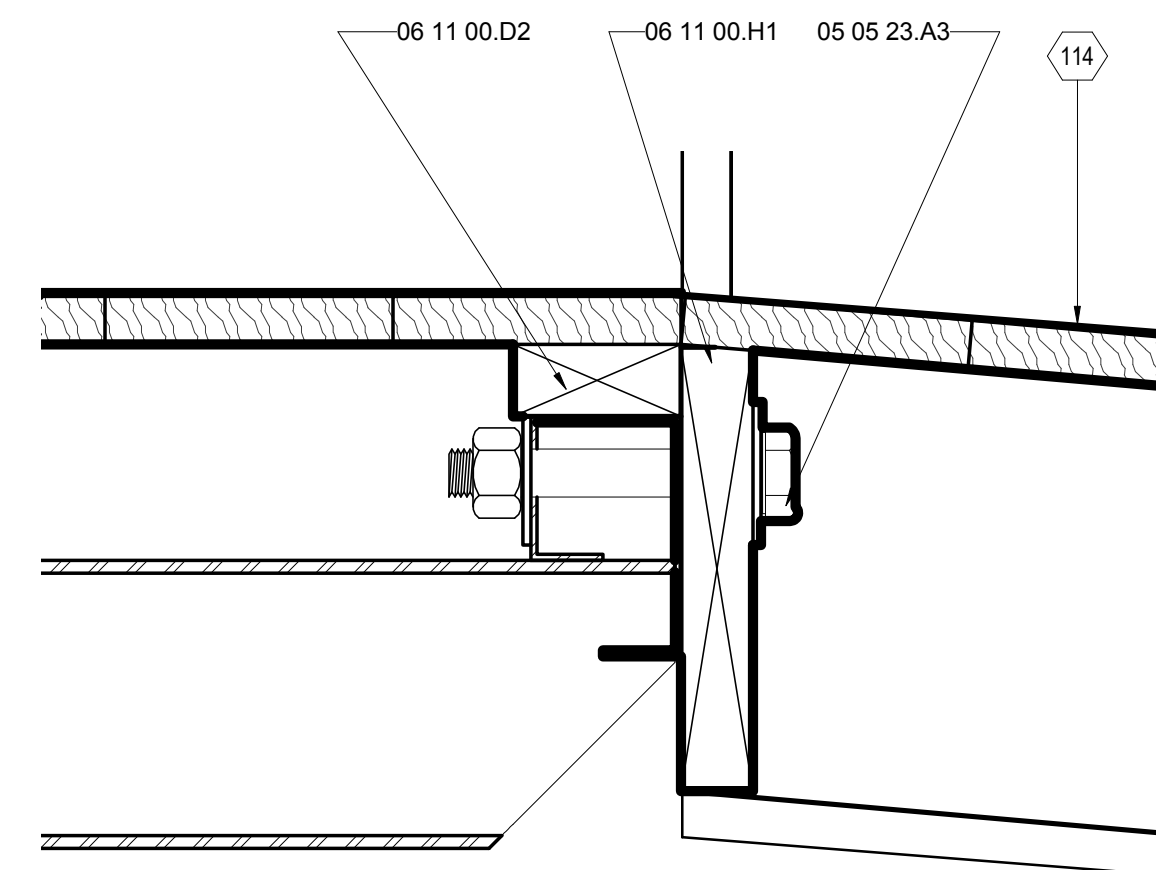
114	FIRST BOARDS PLACED ON SITE
207	INSTALL LAST PIECES AFTER MARRIAGE IS COMPLETE



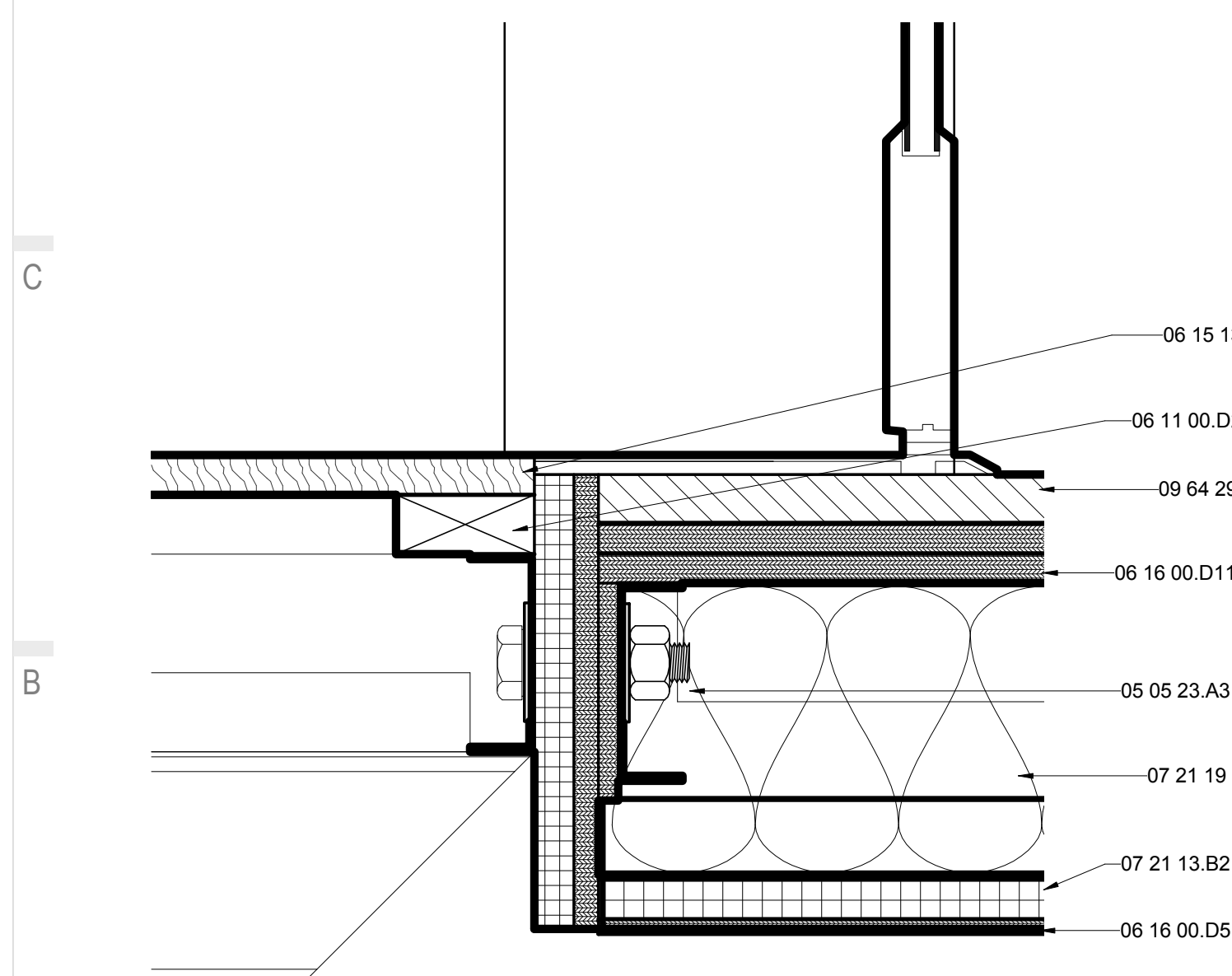
E1 HOUSE DECK MARRIAGE DETAIL
3" = 1'-0" 0 3" 6" 1'



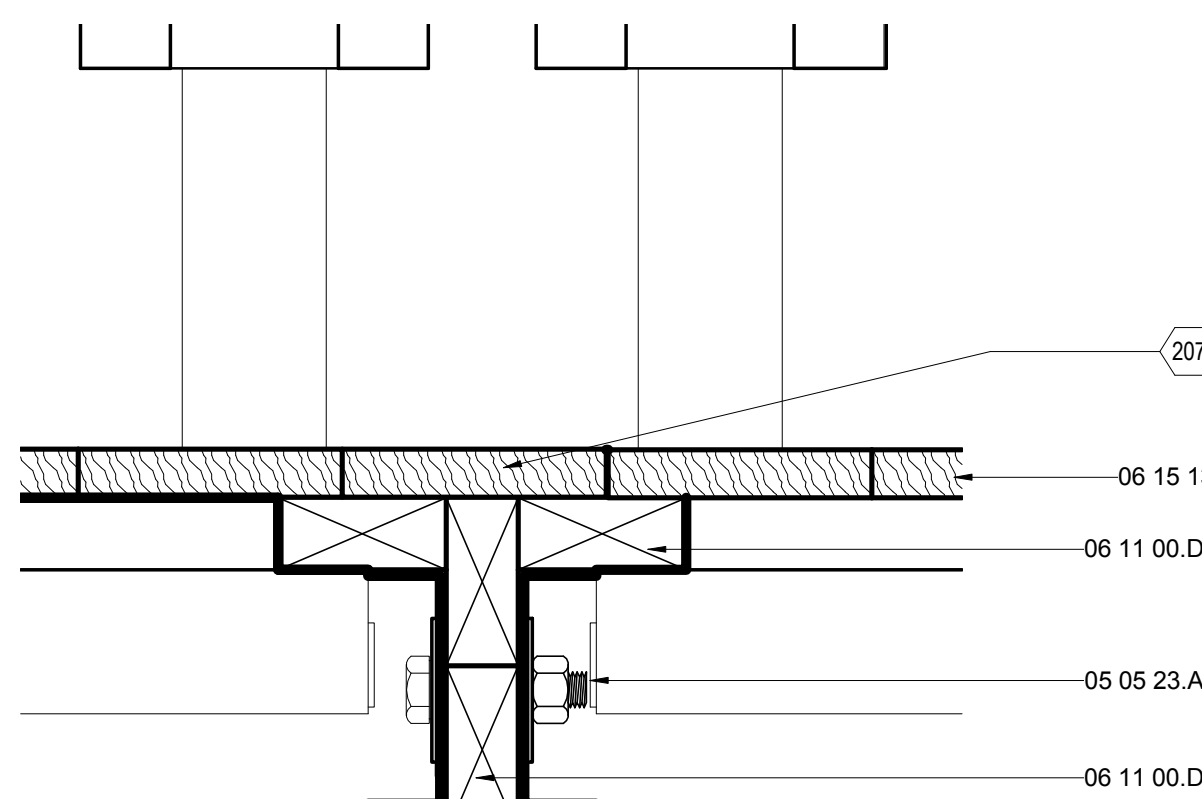
E4 HOUSE TRAILER MARRIAGE DETAIL TYP.
3" = 1'-0" 0 3" 6" 1'



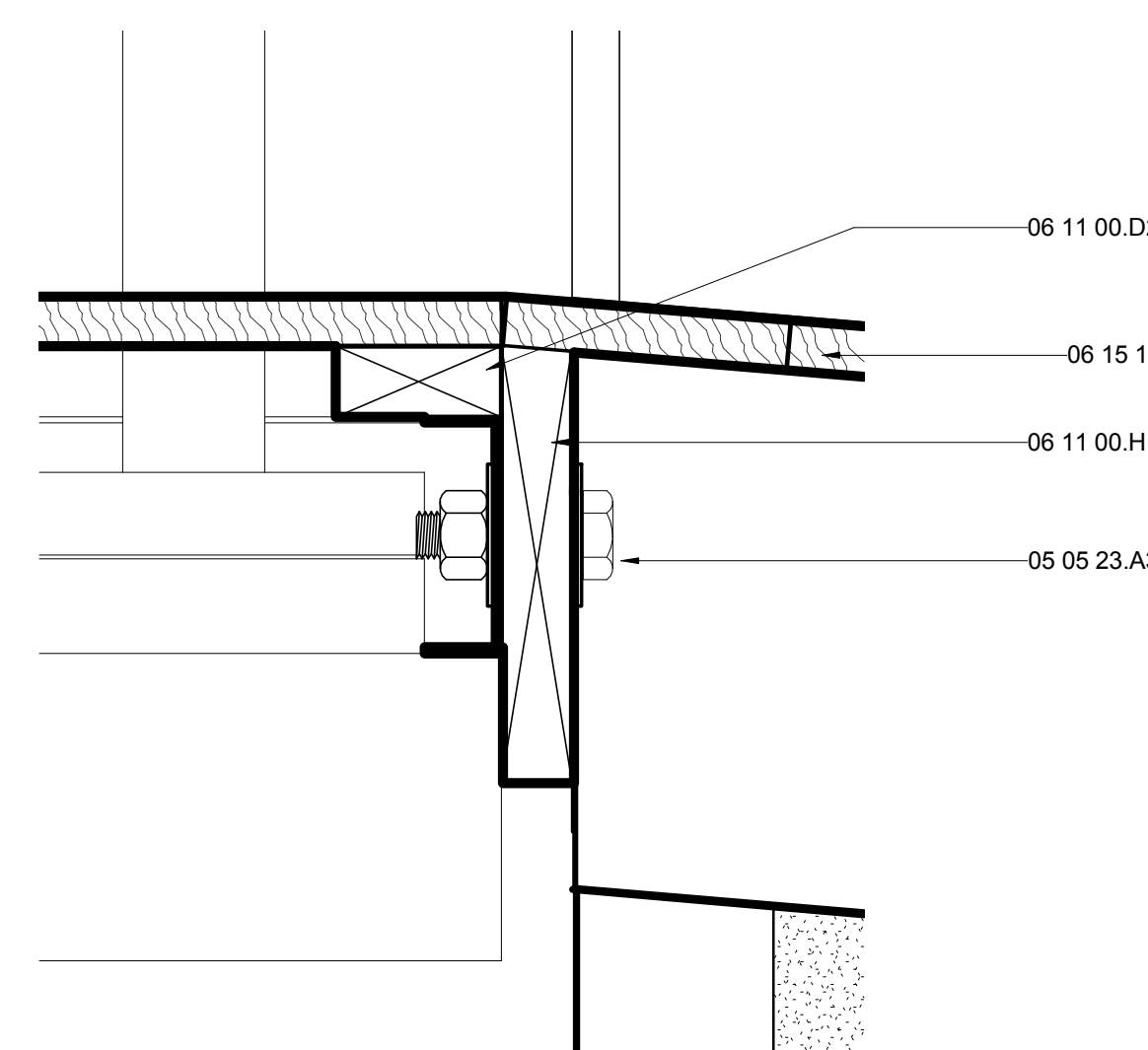
E7 FLEX RAMP MARRIAGE DETAIL
3" = 1'-0" 0 3" 6" 1'



A1 OM HOUSE MARRIAGE DETAIL
3" = 1'-0" 0 3" 6" 1'



A4 OM TRAILER MARRIAGE DETAIL
3" = 1'-0" 0 3" 6" 1'



A7 SOUTH RAMP MARRIAGE DETAIL
3" = 1'-0" 0 3" 6" 1'

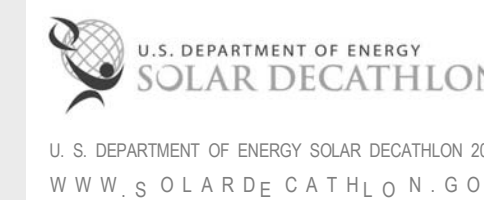


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
ROOF DETAILS

SHEET NUMBER:

A-504

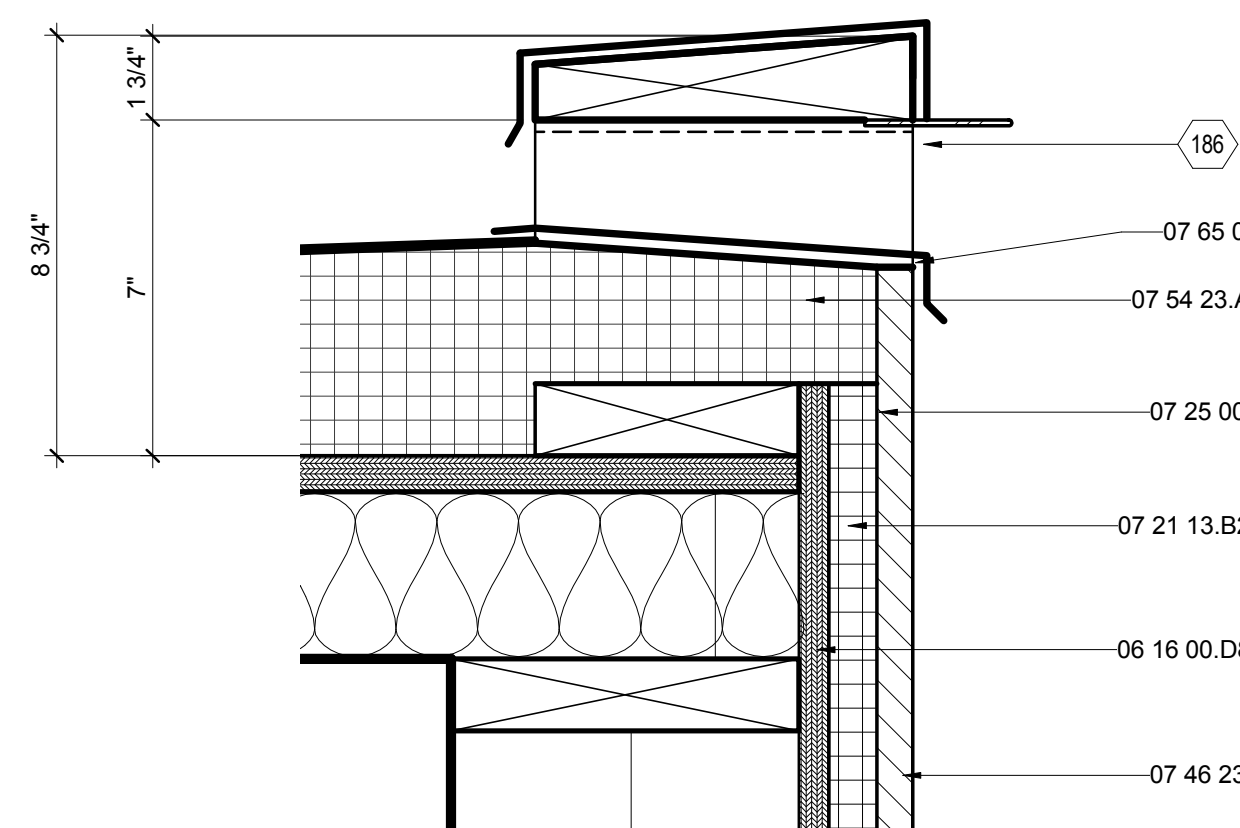
GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 05 23.B1	1/2" A325 BOLT
05 12 36.A10	L8X8X0.5
06 11 00.A2	BRIDGING
06 11 00.D3	2X4 FRAMING
06 16 00.D6	1/2" PLYWOOD
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 53	MOISTURE-RESISTANT SHEATHING BOARD
06 17 53	SHOP-FABRICATED WOOD TRUSSES
07 21 13.B2	1" RIGID INSULATION
07 25 00	WEATHER BARRIERS
07 46 23	WOOD SIDING
07 54 23.A1	TAPERED INSULATION
07 65 00	FLEXIBLE FLASHING
07 71 13	MANUFACTURED COPINGS
08 63 00	METAL-FRAMED SKYLIGHTS
09 29 00.A3	1/2" GYPSUM WALLBOARD
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 62 00	SPECIALTY FLOORING
22 33 30.23.A1	SOLAR THERMAL COLLECTOR BANK
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

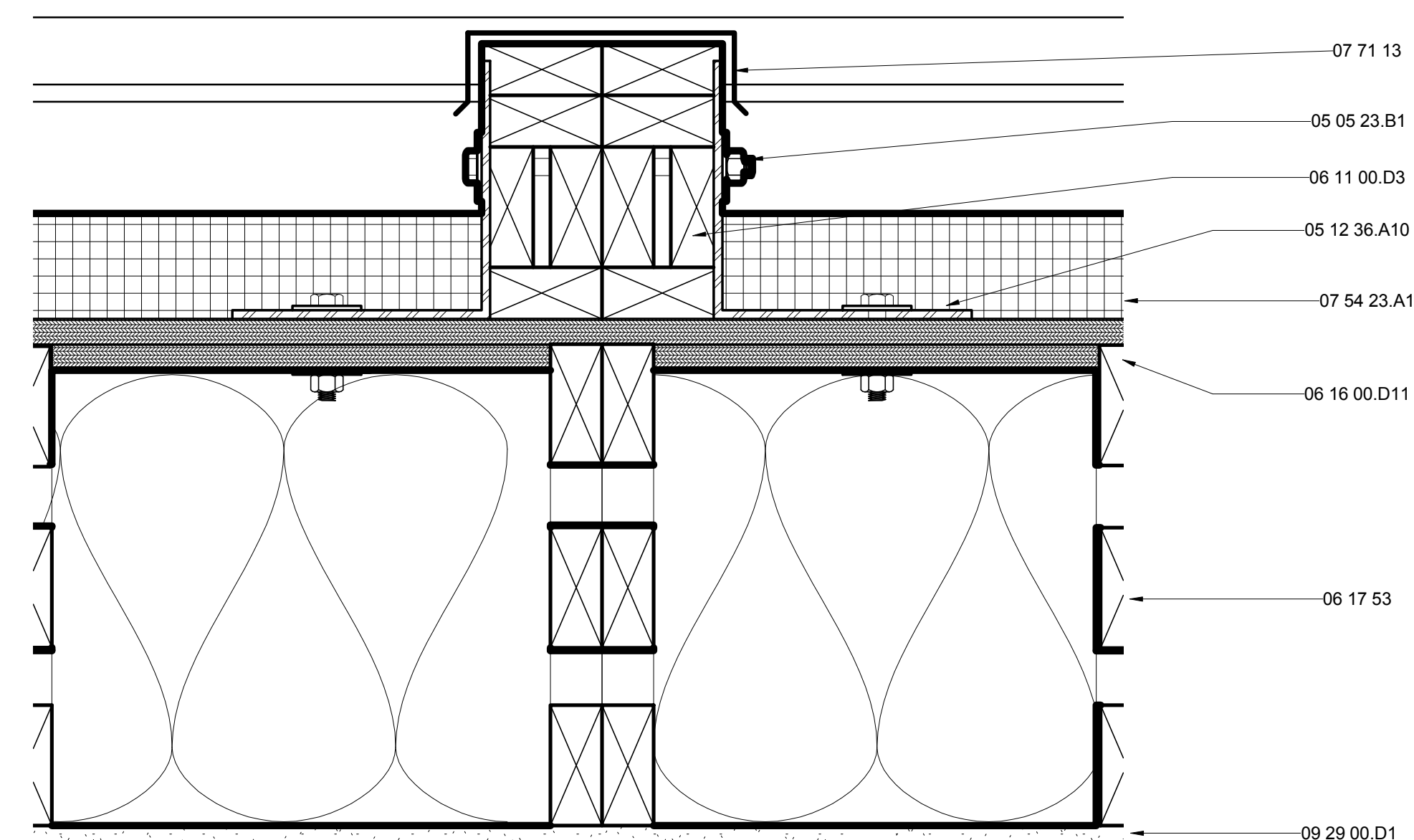
SHEET KEYNOTES

186 SCUPPERS FOR EMERGENCY DRAINAGE



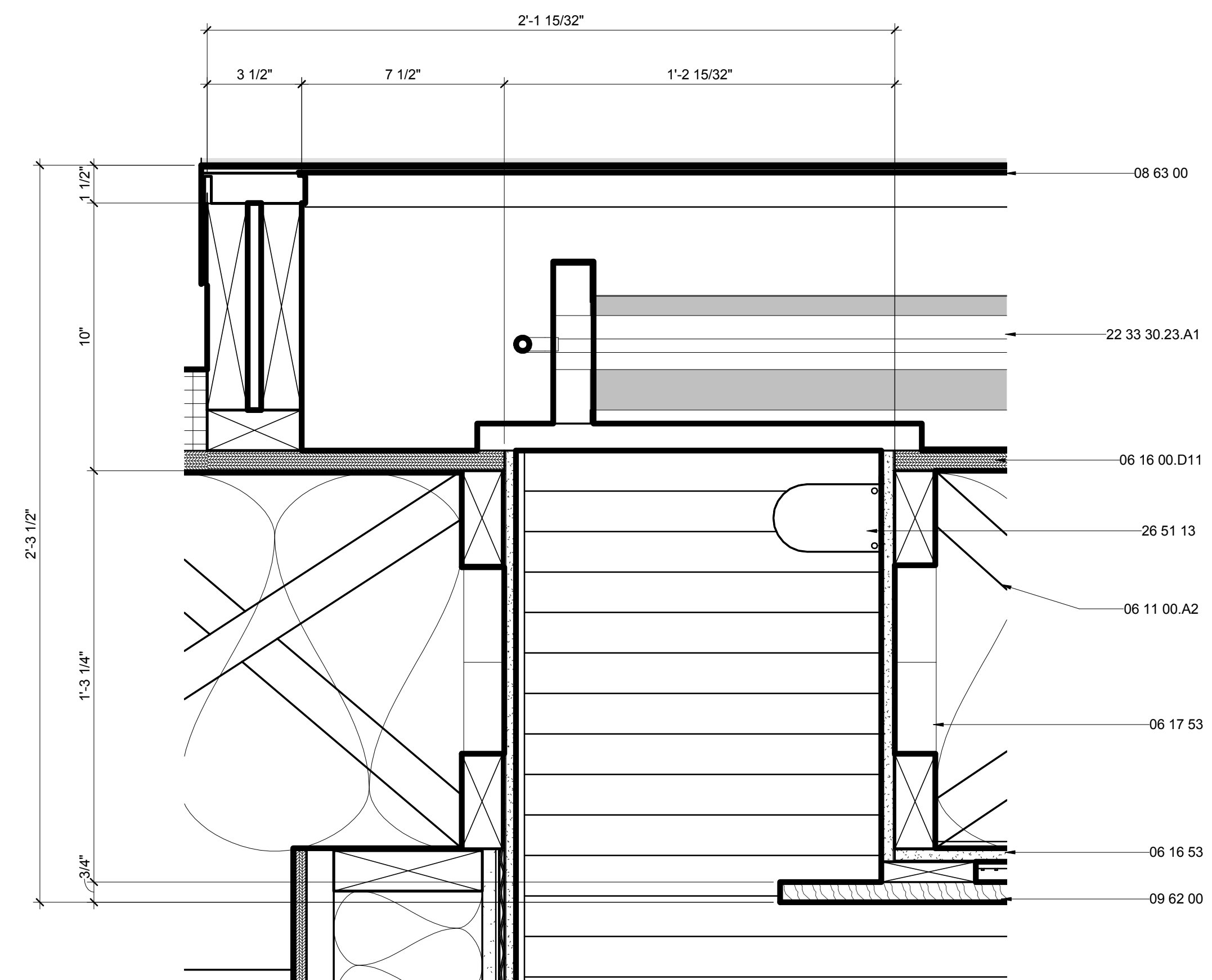
E6 TYPICAL HOUSE PARAPET DETAIL

3" = 1'-0"



E1 HOUSE PARAPET MARRIAGE DETAIL 2

3" = 1'-0"



A1 BATHROOM SKYLIGHT DETAIL

3" = 1'-0"





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BOONE, NC 28607
PHONE: 828.262.8519
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SHEET TITLE:
TROMBE WALL DETAILS

SHEET NUMBER:

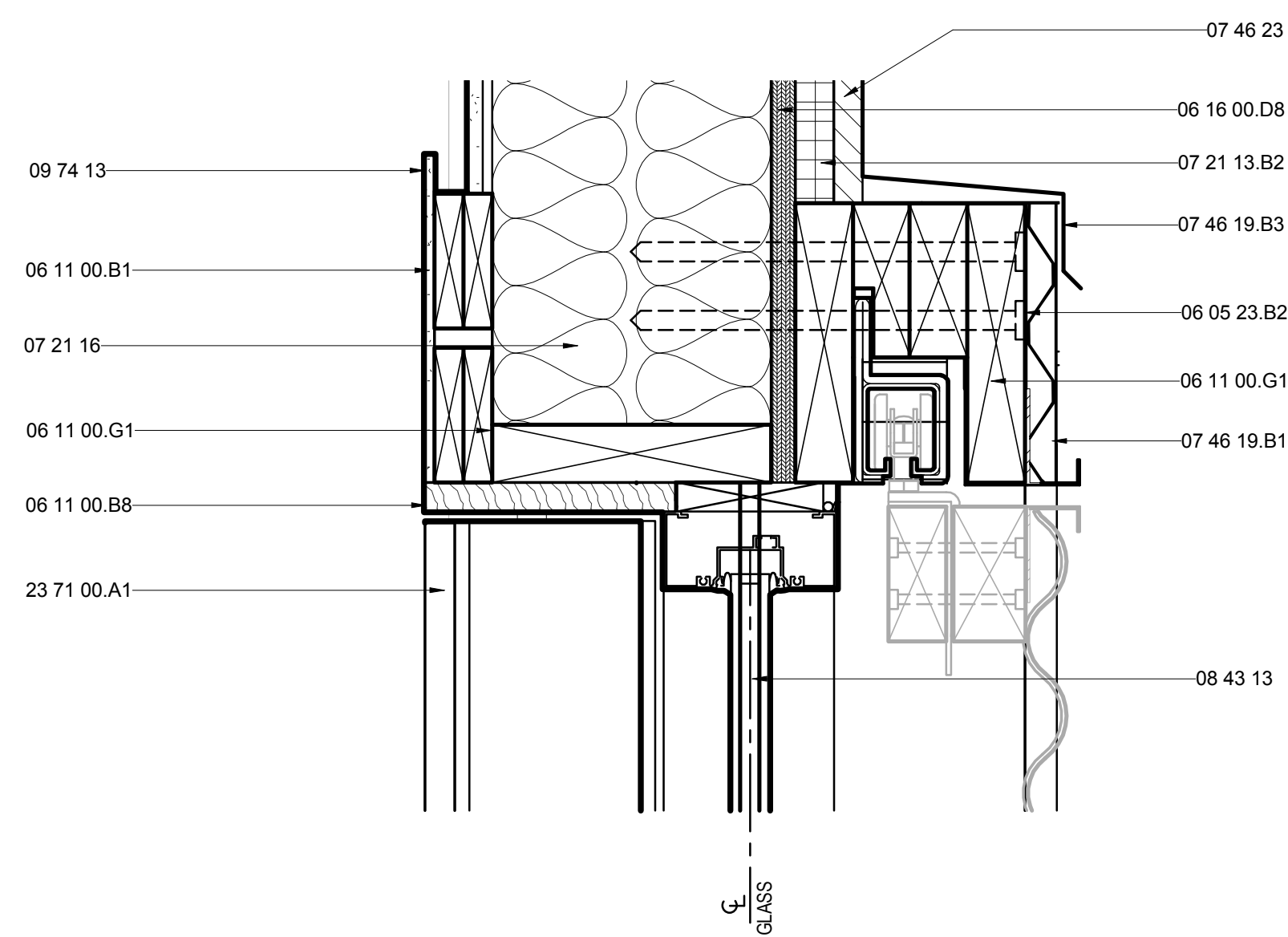
A-511

GENERAL SHEET NOTES

REFERENCE KEYNOTES

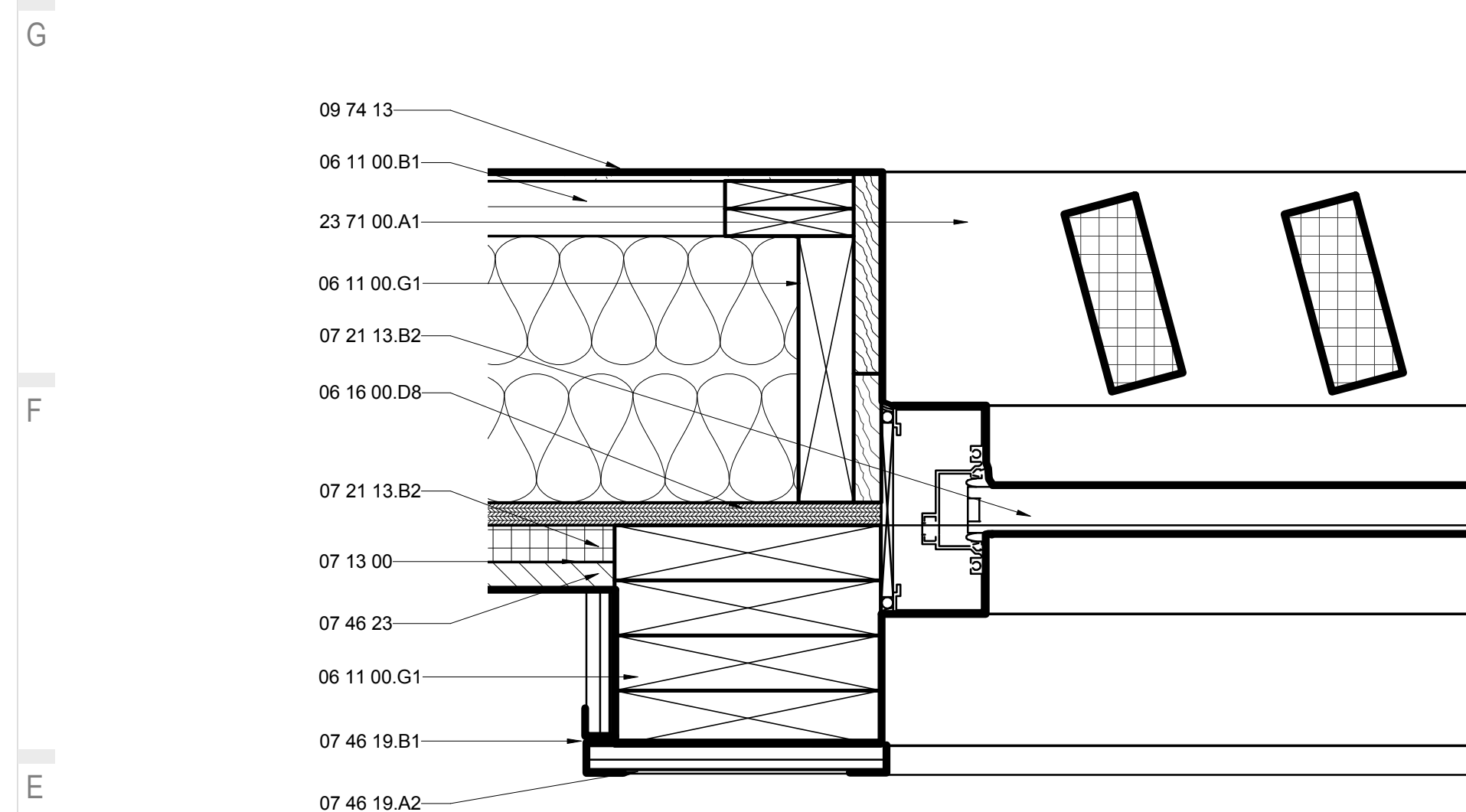
06 05 23.B2	1/2" LAG SCREW
06 11 00.B1	1 X_FURRING STRIPS
06 11 00.B8	1X6
06 11 00.F2	2X6 FRAMING
06 11 00.G1	2X8
06 16 00.D8	5/8" PLYWOOD
07 13 00	SHEET WATERPROOFING
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 19.B1	1" J CHANNEL
07 46 19.B3	4" STRAIGHT TRIM
07 46 23	WOOD SIDING
07 46 23.13	WOOD BARK SHINGLE SIDING
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 78 00	SPECIAL FUNCTION HARDWARE
09 74 13	WOOD WALL COVERINGS
23 71 00.A1	TROMBE WALL

SHEET KEYNOTES



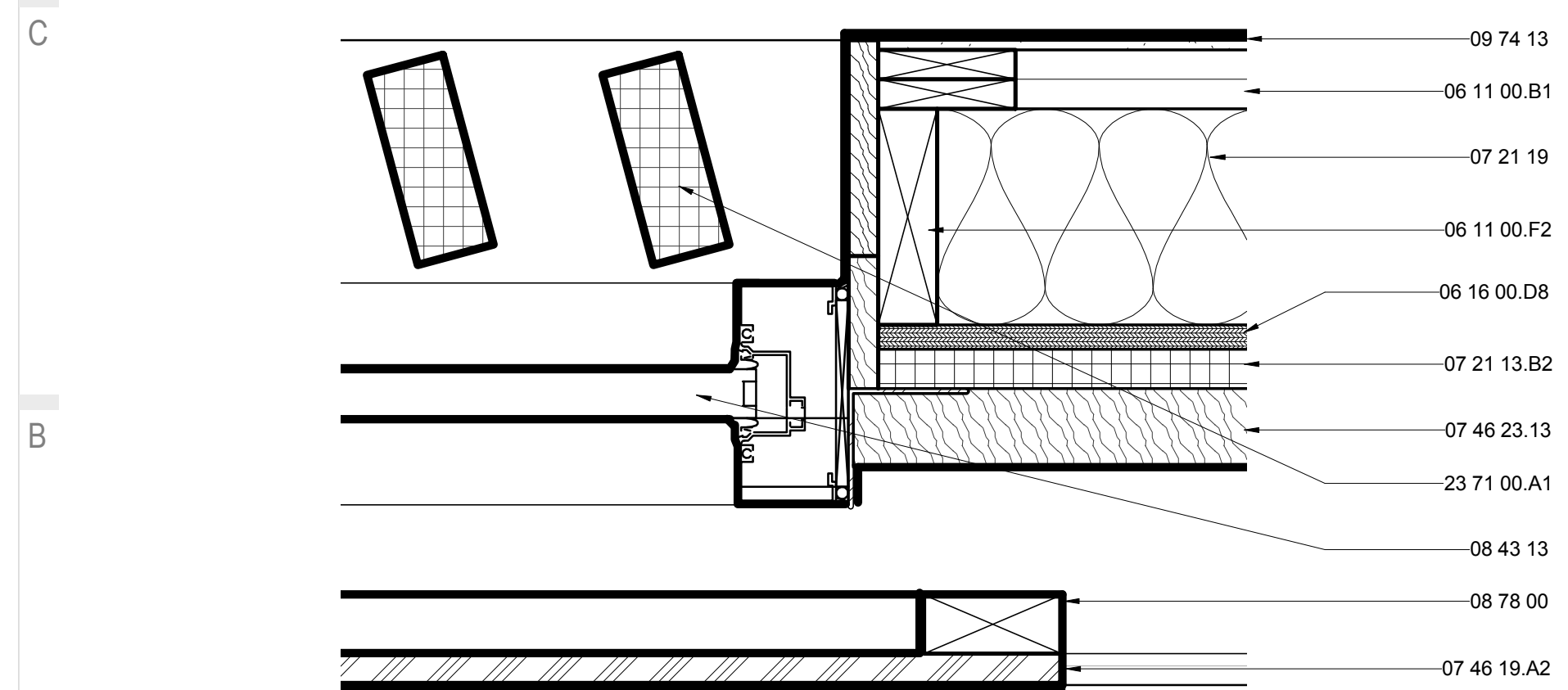
E6 TROMBE WALL HEAD

3" = 1'-0"



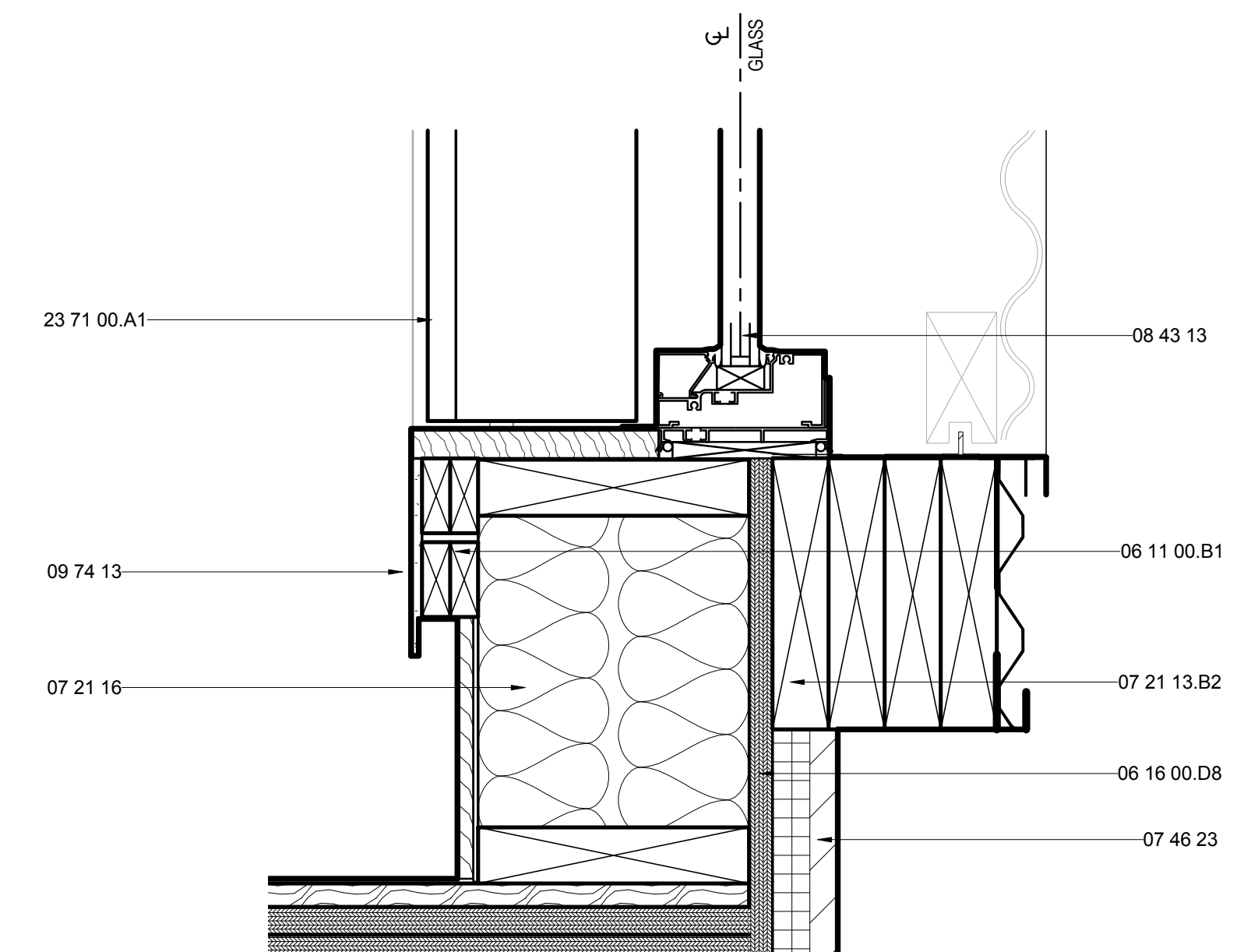
E1 TROMBE WALL JAMB

3" = 1'-0"



A1 TROMBE WALL BARK DETAIL

3" = 1'-0"



A6 TROMBE BOTTOM

3" = 1'-0"



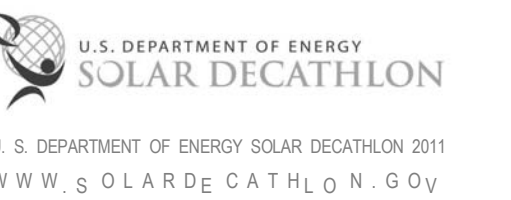


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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STATUS: AS-BUILT DRAWINGS

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SHEET TITLE:
SLIDER WALL DETAILS

SHEET NUMBER:

A-512

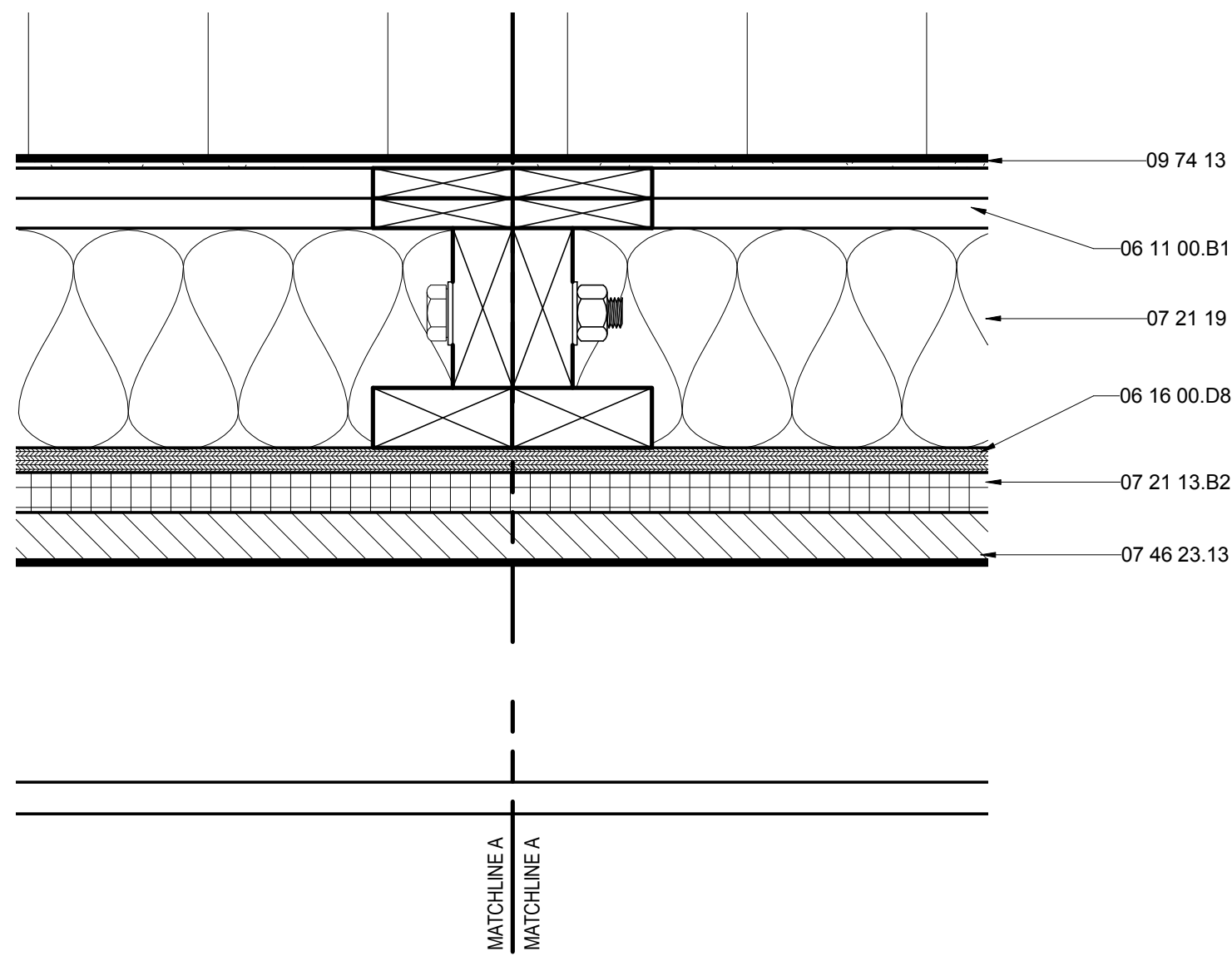
GENERAL SHEET NOTES

1. EXTERIOR BARK SHINGLES AND INTERIOR TO BE APPLIED AFTER INSTALLATION/SET-UP IN D.C.

REFERENCE KEYNOTES

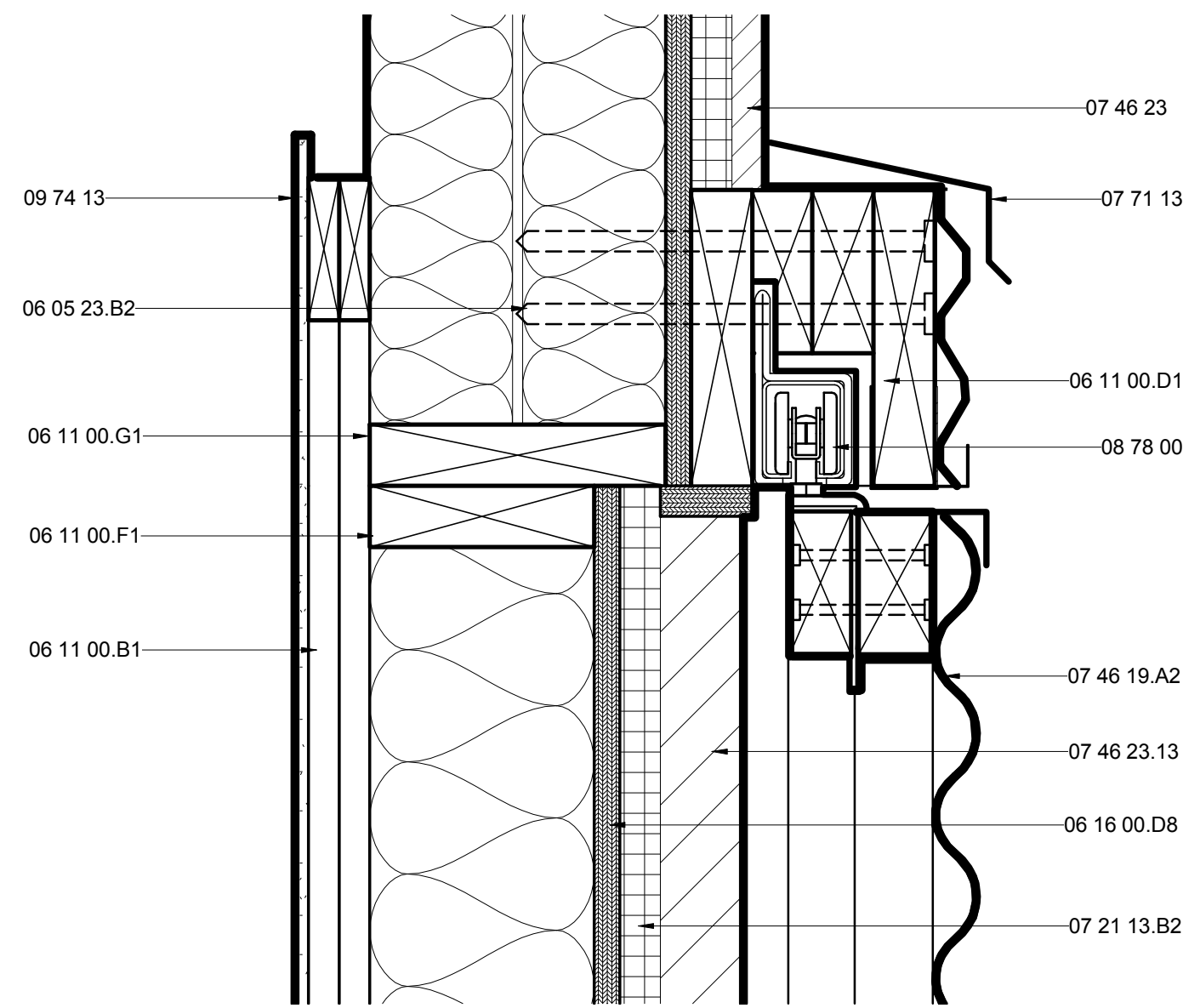
06 05 23.B2	1/2" LAG SCREW
06 11 00.B1	1 X _FURRING STRIPS
06 11 00.D1	2X4
06 11 00.F1	2X6
06 11 00.G1	2X8
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 19.B1	1" J CHANNEL
07 46 23	WOOD SIDING
07 46 23.13	WOOD BARK SHINGLE SIDING
07 71 13	MANUFACTURED COPINGS
08 78 00	SPECIAL FUNCTION HARDWARE
09 74 13	WOOD WALL COVERINGS
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES



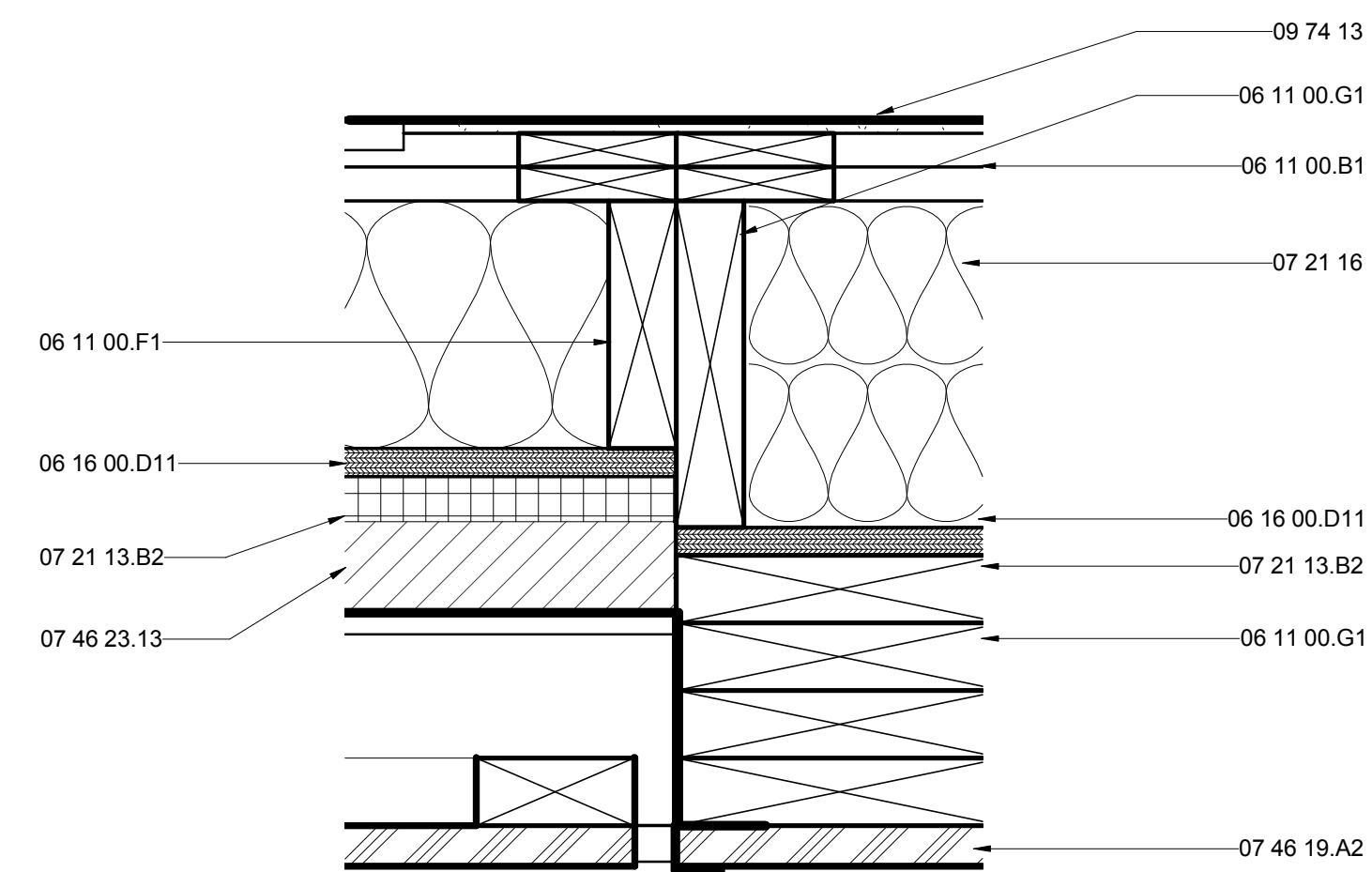
E1 RECESSED WALL MARRIAGE DETAIL

3" = 1'-0"



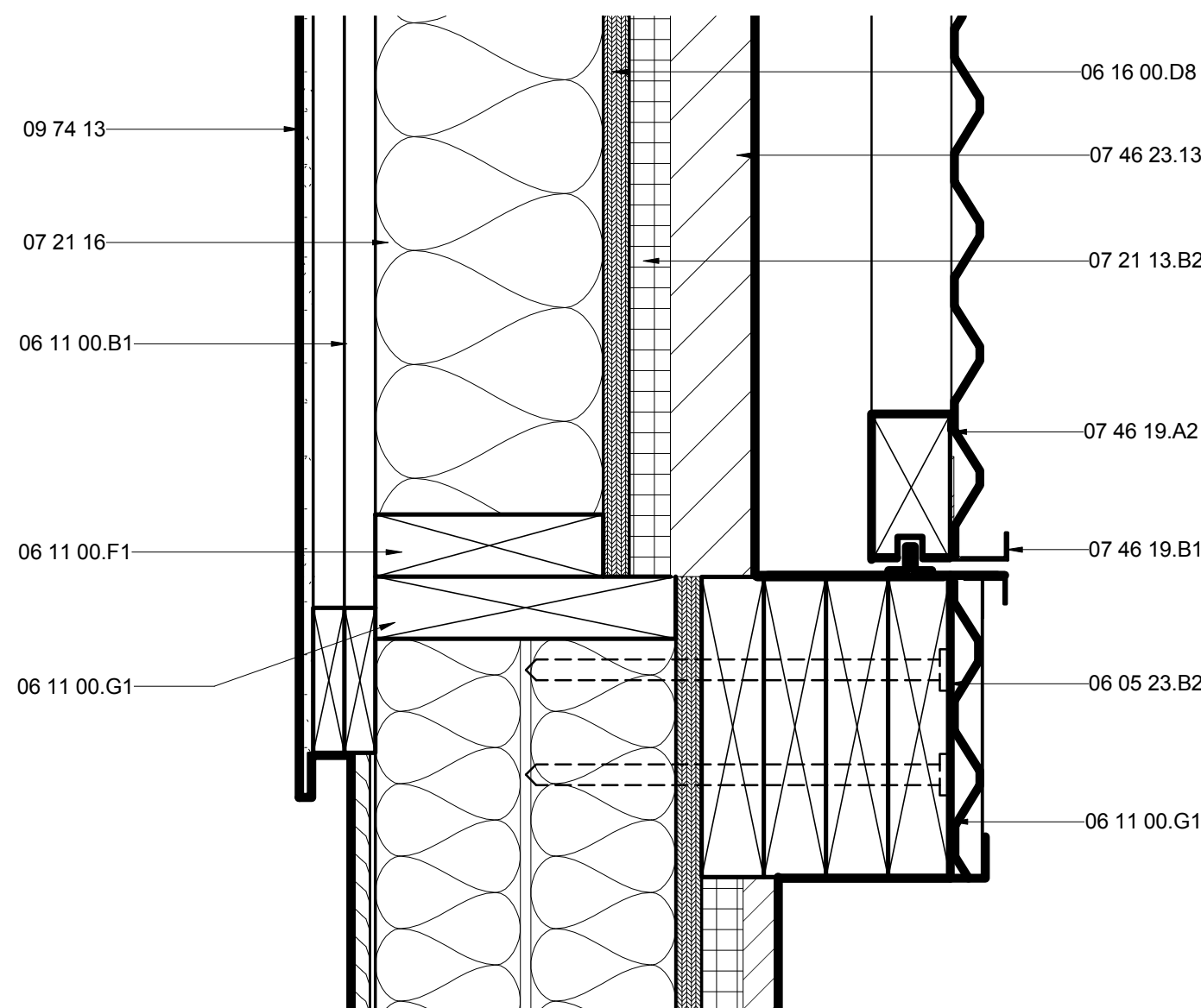
E6 BARN DOOR HEAD

3" = 1'-0"



A1 RECESSED WALL END DETAIL

3" = 1'-0"



A6 BARN DOOR BOTTOM

3" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
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SHEET TITLE:
BAY WINDOW ROOF DETAILS

SHEET NUMBER:

A-513

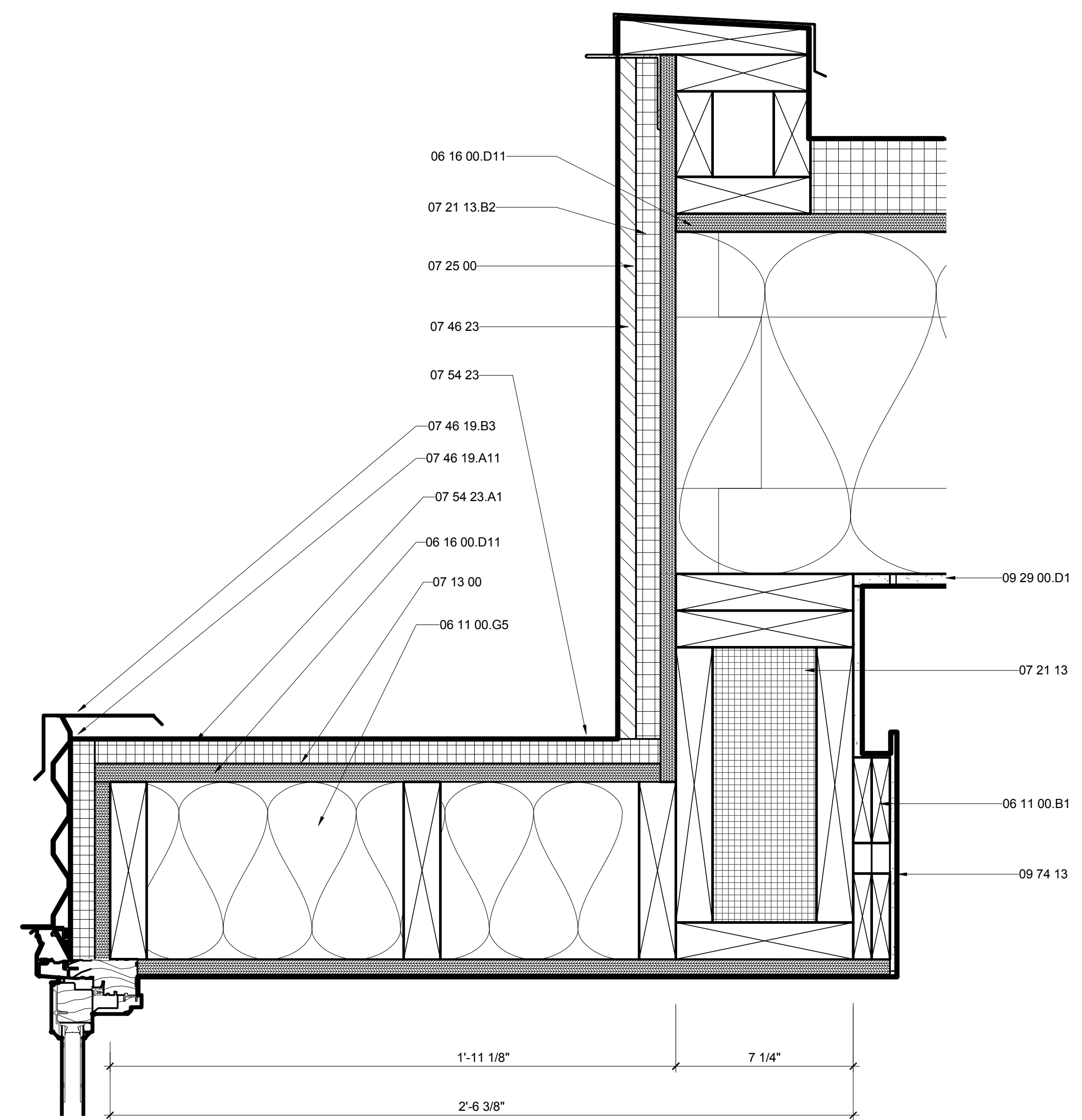
GENERAL SHEET NOTES

REFERENCE KEYNOTES

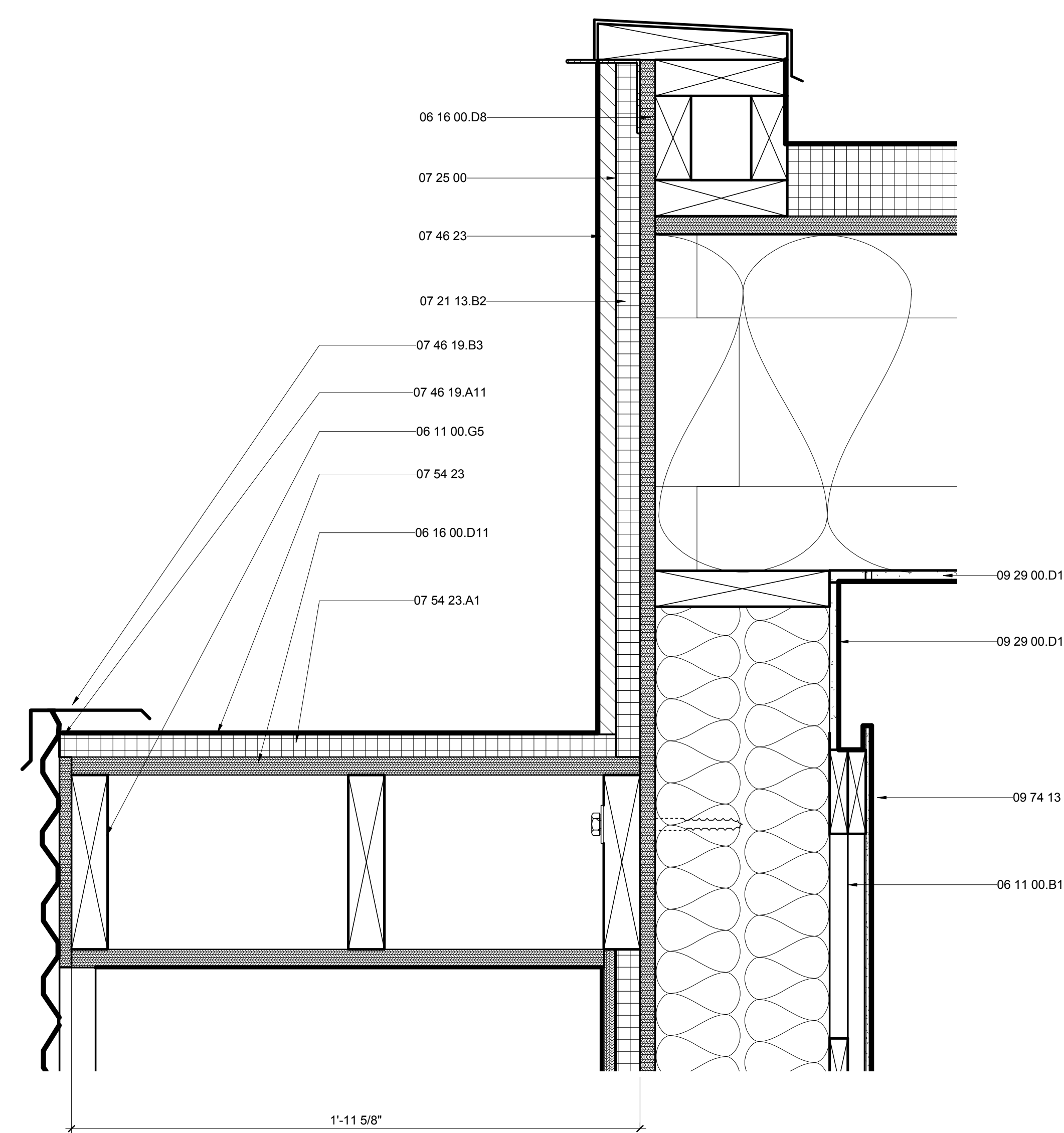
06 11 00.B1	1 X_FURRING STRIPS
06 11 00.G5	2X8 JOISTS @ 12" O.C.
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 13 00	SHEET WATERPROOFING
07 21 13	BOARD INSULATION
07 21 13.B2	1" RIGID INSULATION
07 25 00	WEATHER BARRIERS
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 19.B3	4" STRAIGHT TRIM
07 46 23	WOOD SIDING
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
07 54 23.A1	TAPERED INSULATION
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 74 13	WOOD WALL COVERINGS

SHEET KEYNOTES

G
F
E
D
C
B
A



A1 WINDOW SEAT HEAD DETAIL
3" = 1'-0"
0 3" 6" 1'



A5 HVAC COMPARTMENT ROOF DETAIL
3" = 1'-0"
0 3" 6" 1'



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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
BAY WINDOW PLAN DETAILS

SHEET NUMBER:

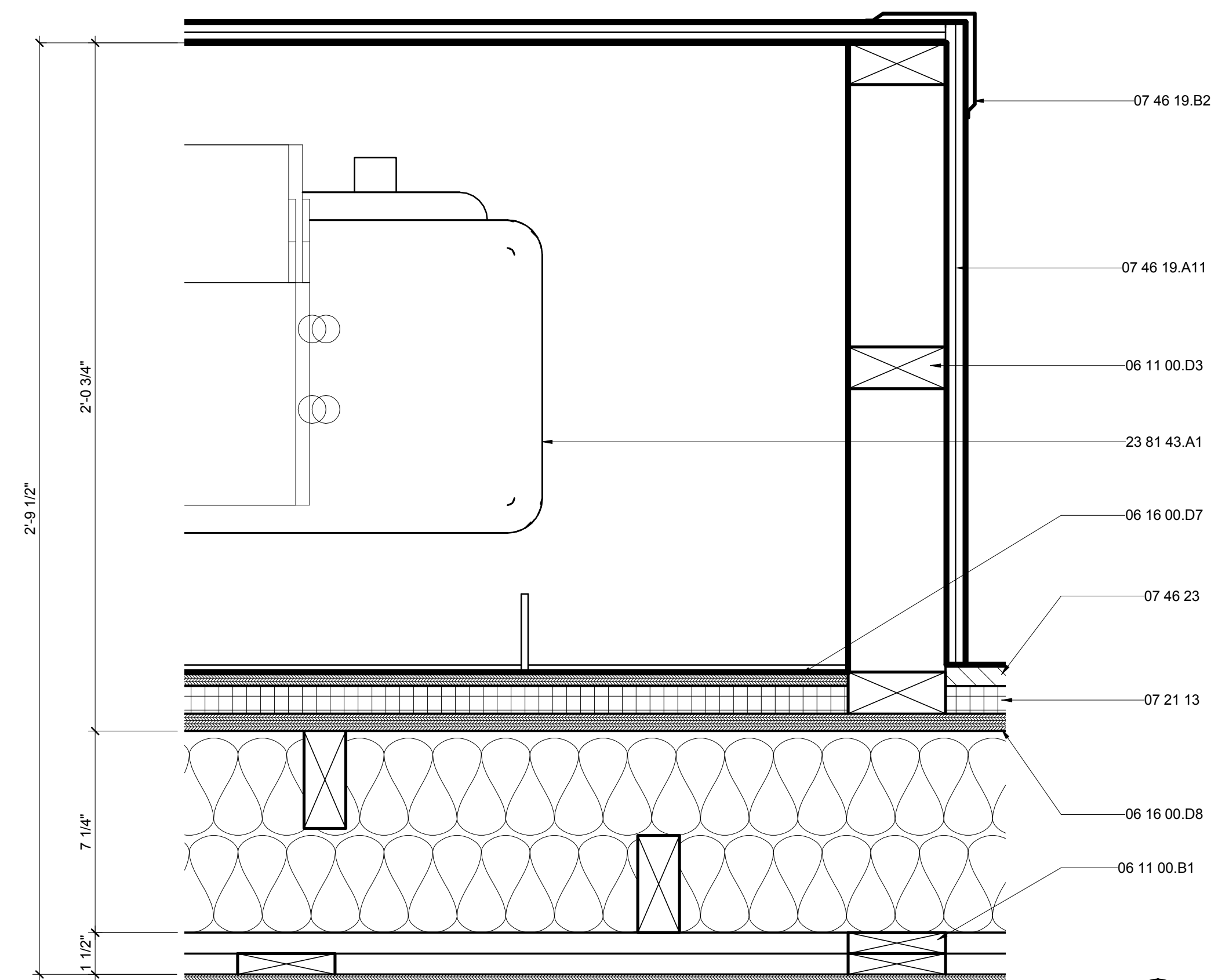
A-514

GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 11 00.B1	1 X_FURRING STRIPS
06 11 00.D3	2X4 FRAMING
06 11 00.D5	2X4 FRAMING @ 16" O.C.
06 11 00.G1	2X8
06 16 00.D6	1/2" PLYWOOD
06 16 00.D7	1/2" EXTERIOR GRADE PLYWOOD
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 21 13	BOARD INSULATION
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 19.B2	4" CORNER TRIM
07 46 23	WOOD SIDING
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 74 13	WOOD WALL COVERINGS
23 81 43.A1	MAIN HOUSE HEAT PUMP - OUTDOOR UNIT
DIVISION 03	CONCRETE

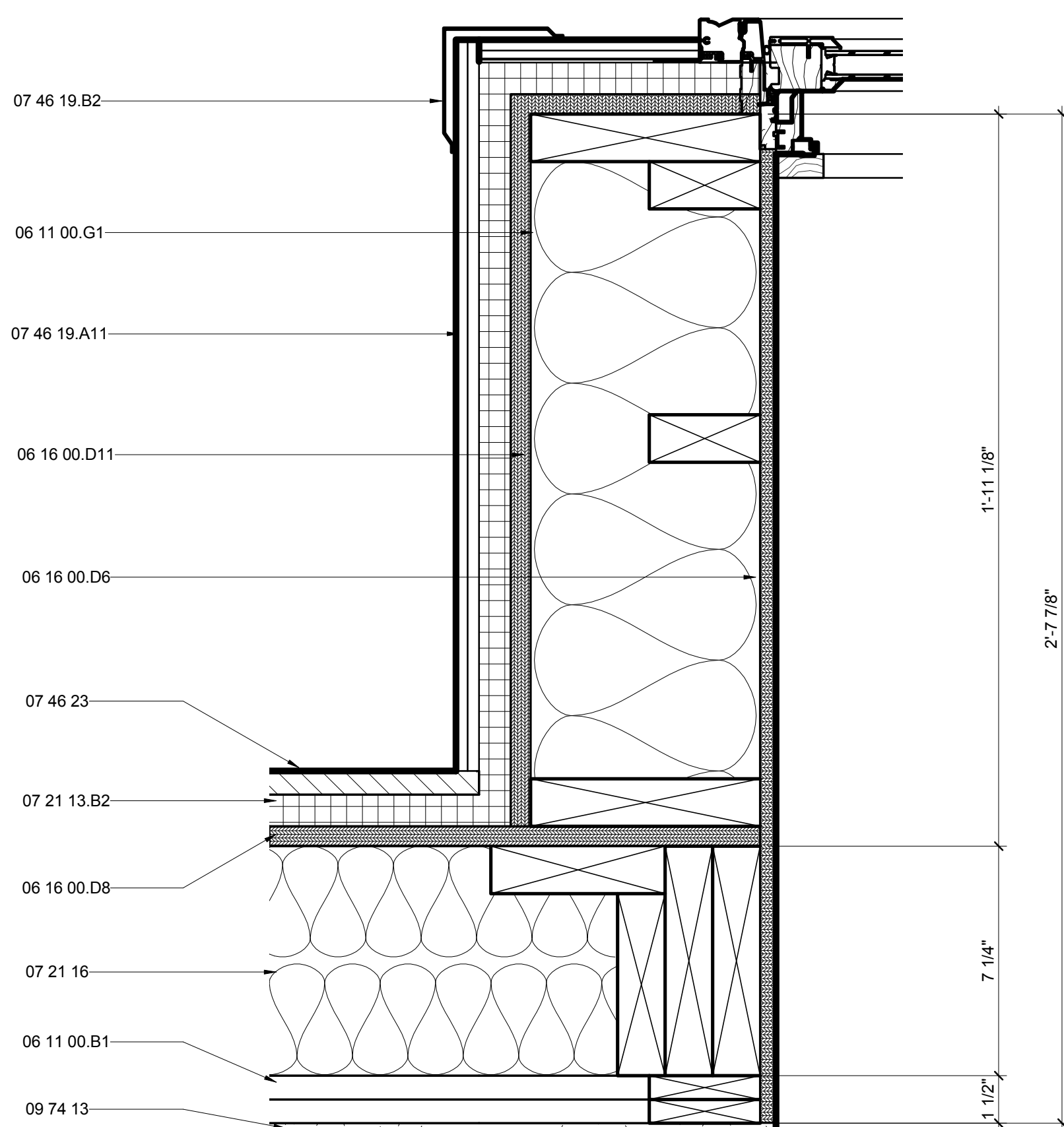
SHEET KEYNOTES



E1 HVAC COMPARTMENT WALL DETAIL

3" = 1'-0"

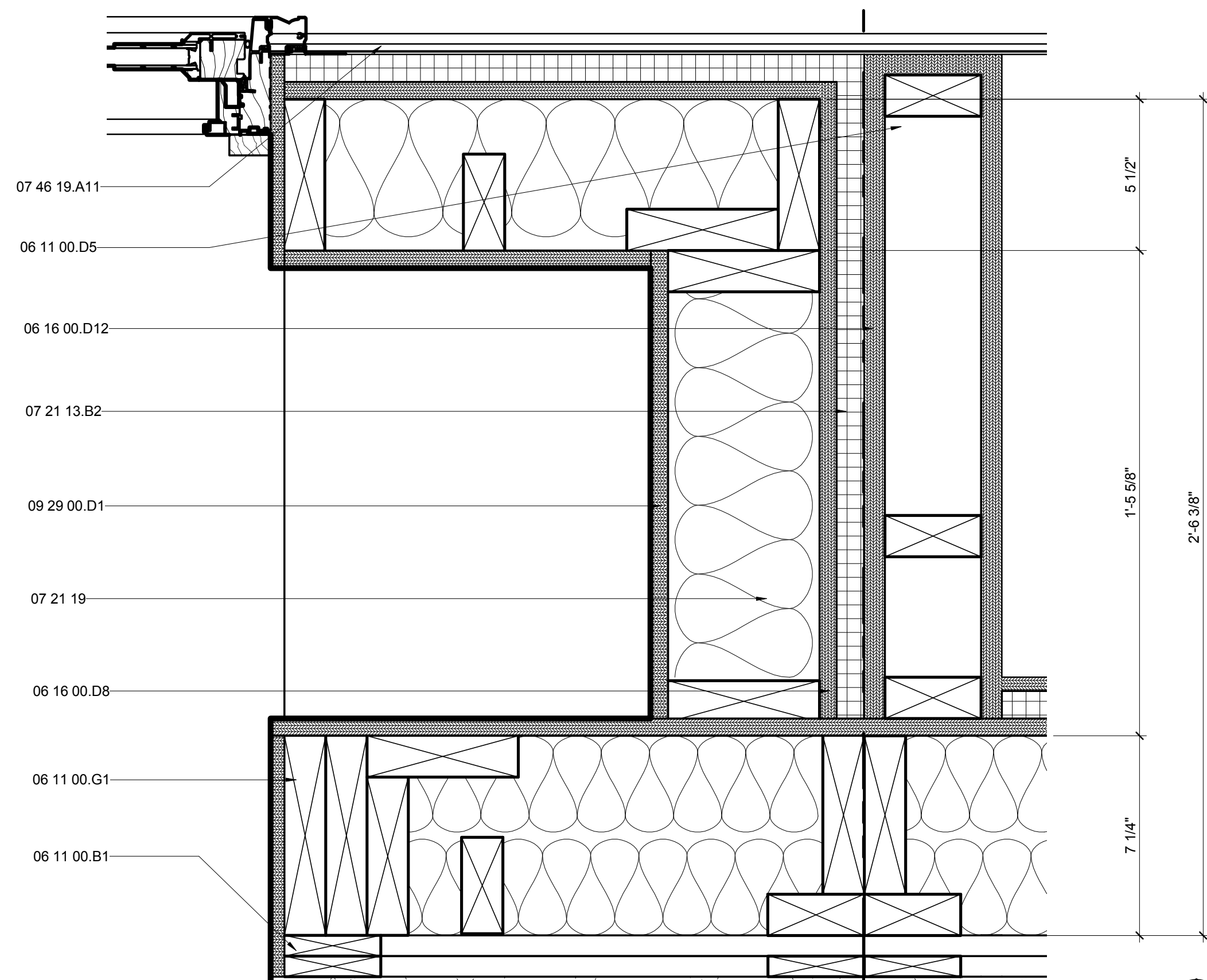
0 3" 6" 1'



A1 BAY WINDOW WALL DETAIL

3" = 1'-0"

0 3" 6" 1'



A5 BAY WINDOW SHARED WALL DETAIL

3" = 1'-0"

0 3" 6" 1'

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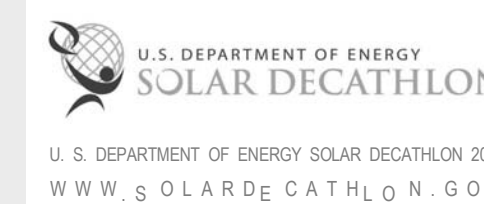


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
BAY WINDOW FLOOR DETAIL

SHEET NUMBER:

A-515

GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 05 23.J29	HU/28
06 11 00.B1	1 X_FURRING STRIPS
06 11 00.G1	2X8
06 11 00.G4	2X8 JOISTS
06 16 00.D4	3/8" PLYWOOD
06 16 00.D5	3/8" EXTERIOR GRADE PLYWOOD
06 16 00.D6	1/2" PLYWOOD
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 21 13.B1	1/2" RIGID INSULATION
07 21 13.B2	1" RIGID INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 25 00	WEATHER BARRIERS
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 23	WOOD SIDING
09 64 29	WOOD STRIP AND PLANK FLOORING
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES

G

F

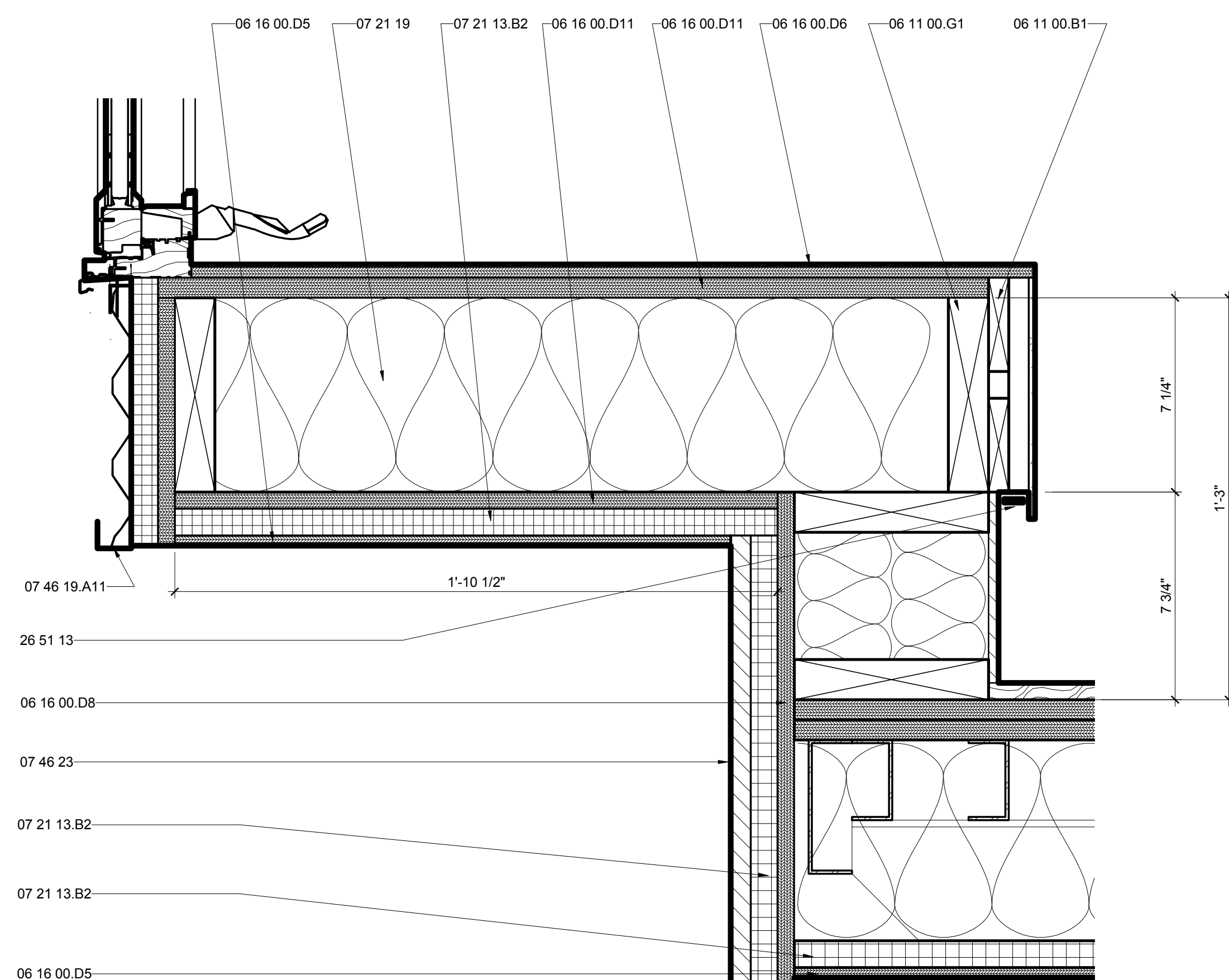
E

D

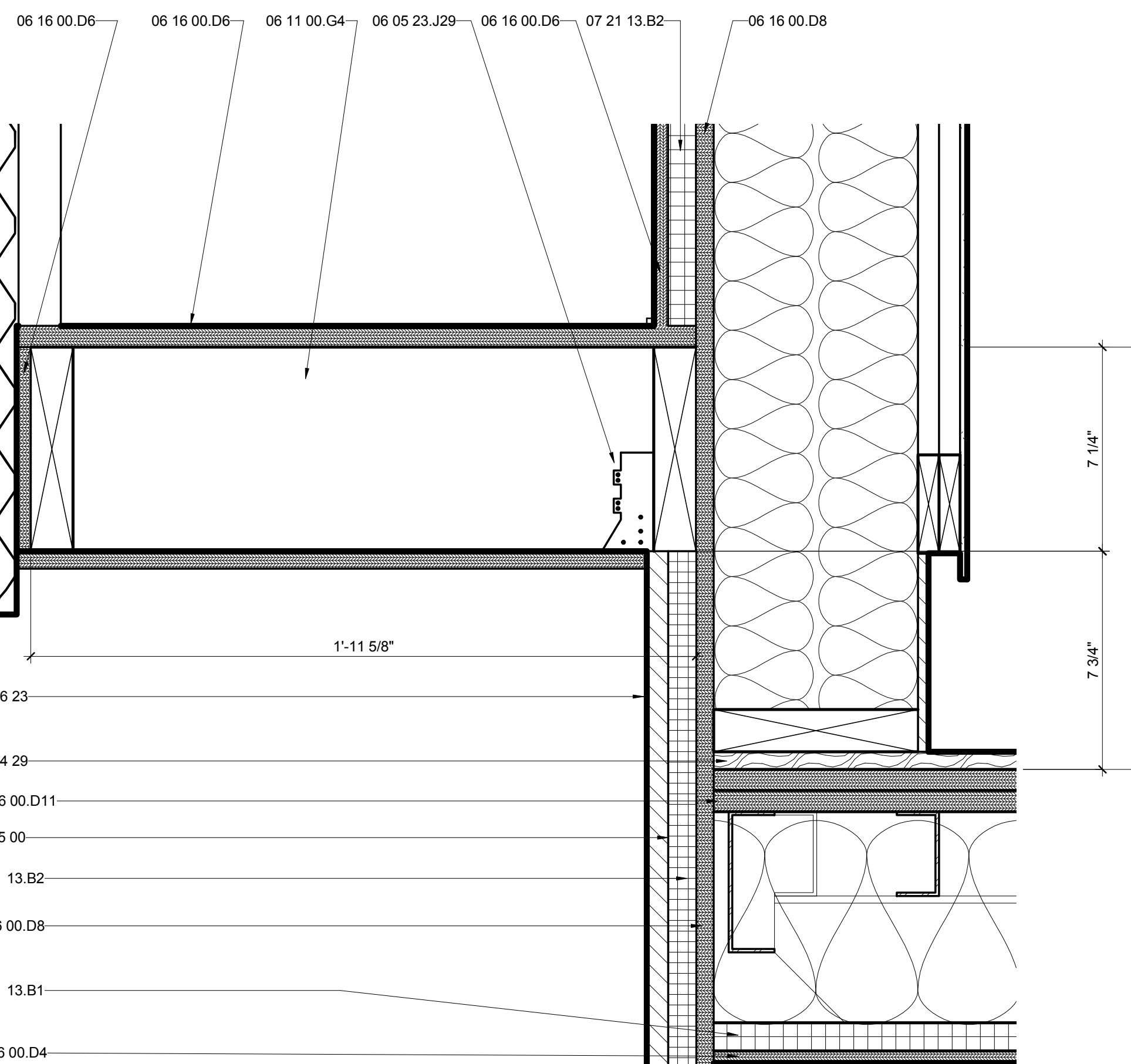
C

B

A



(A1) WINDOW SEAT FLOOR DETAIL
3" = 1'-0"



(B5) HVAC COMPARTMENT FLOOR DETAIL
3" = 1'-0"



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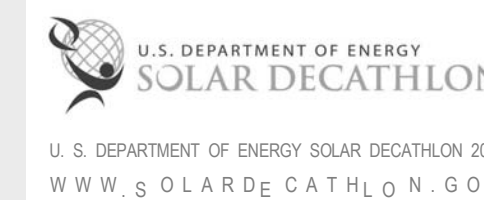


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GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 11 00.D2	TREATED 2X4
06 11 00.D3	2X4 FRAMING
06 15 13	WOOD FLOOR DECKING
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
07 46 19.B1	1" J CHANNEL
08 71 00	DOOR HARDWARE

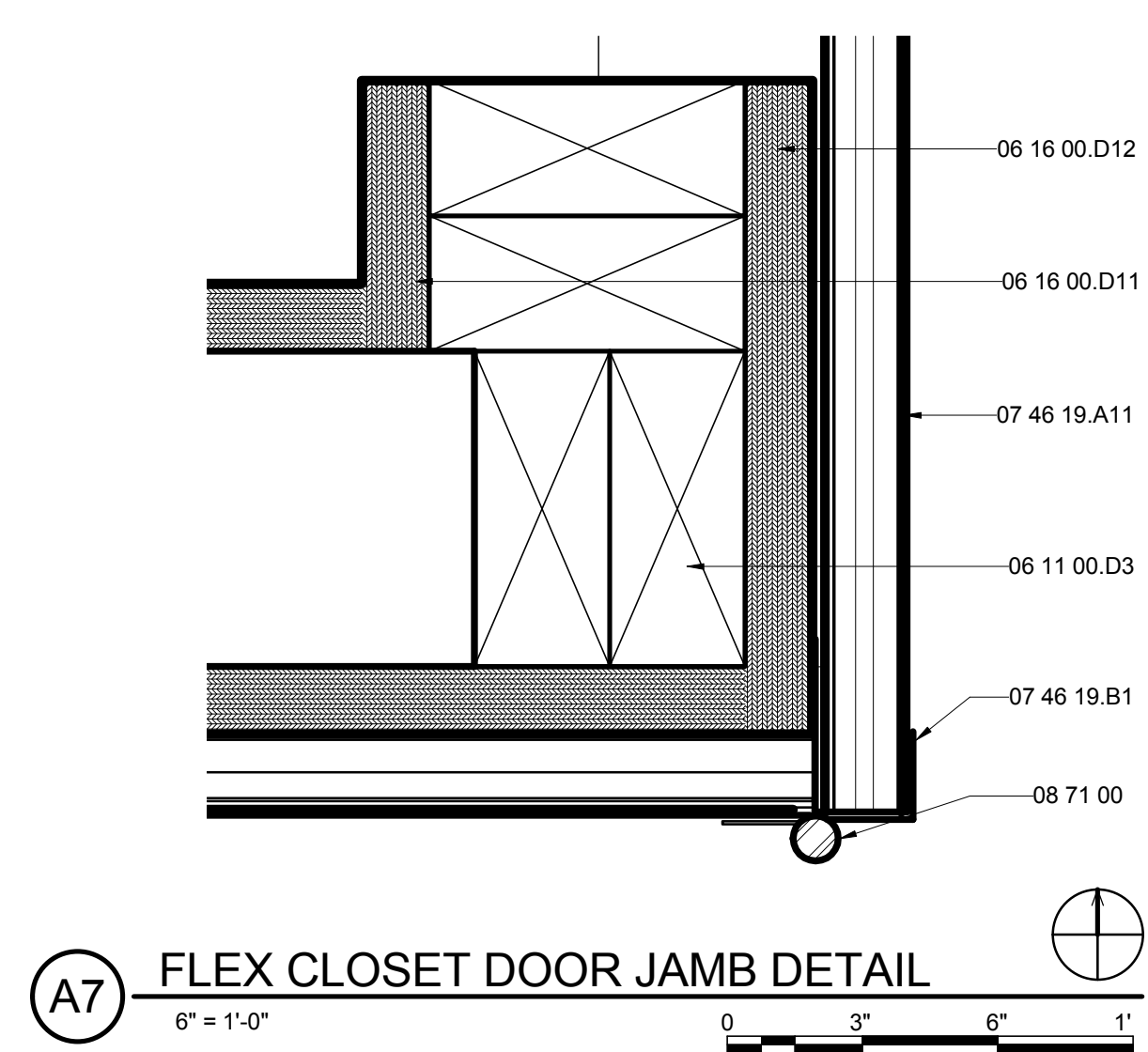
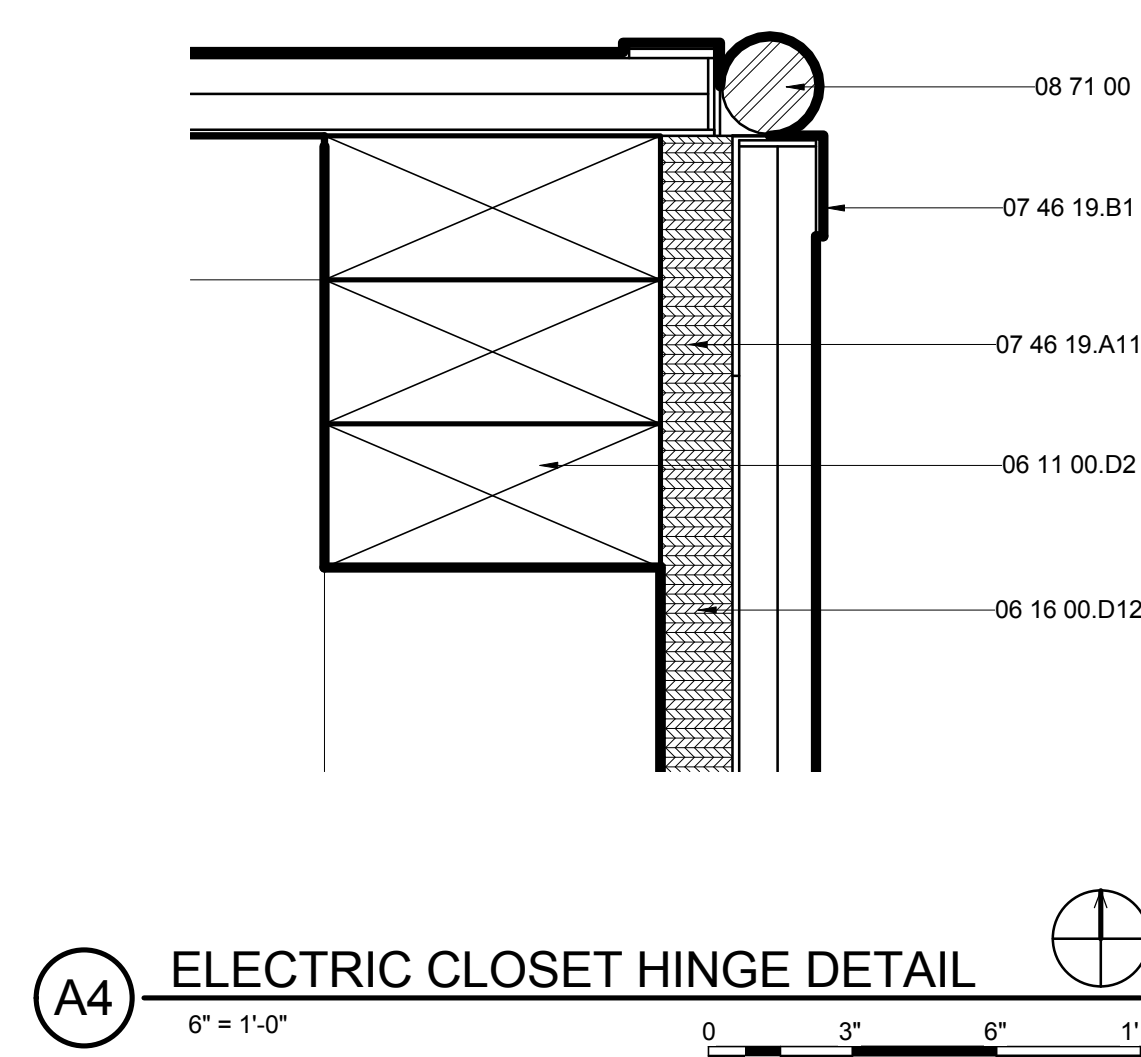
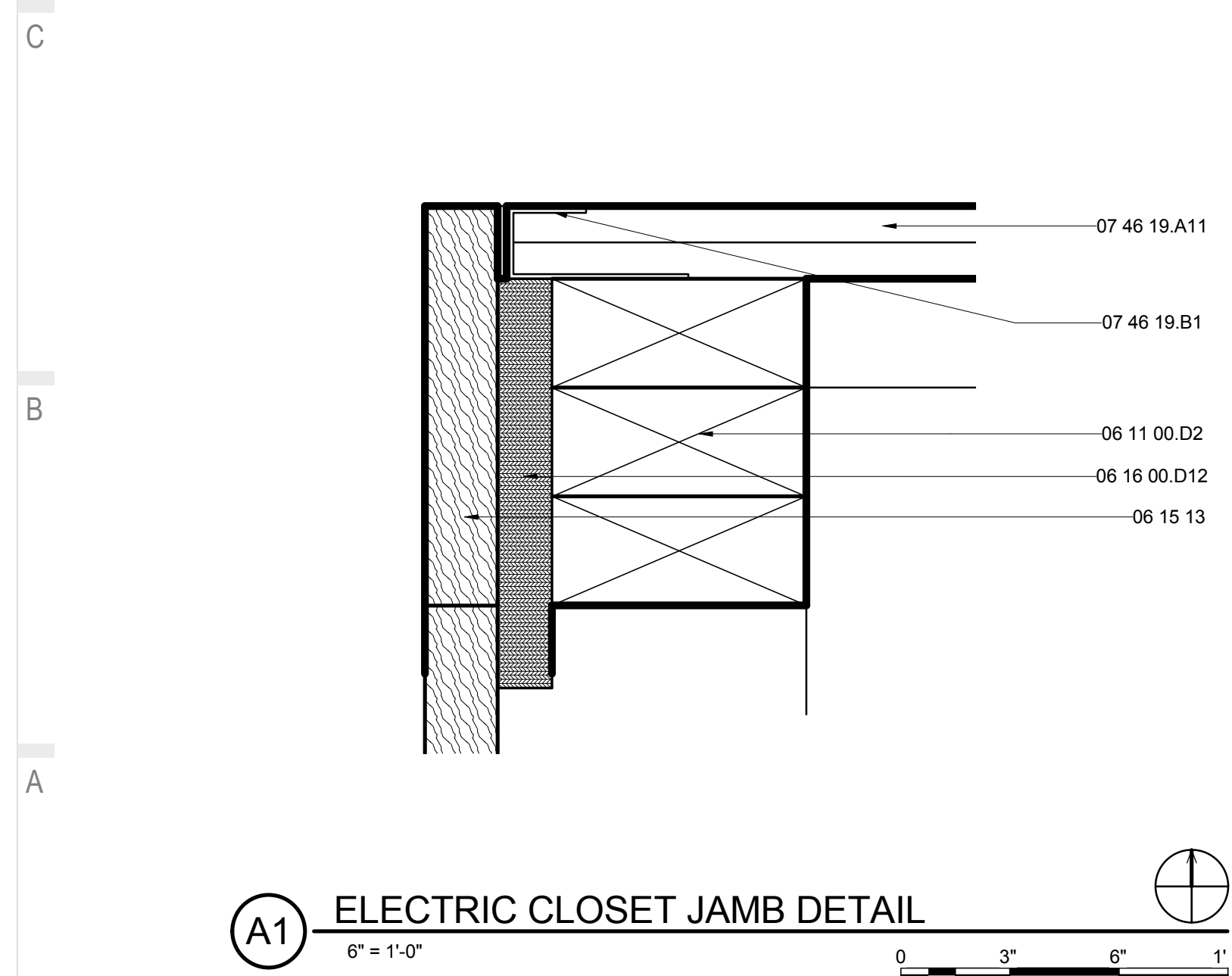
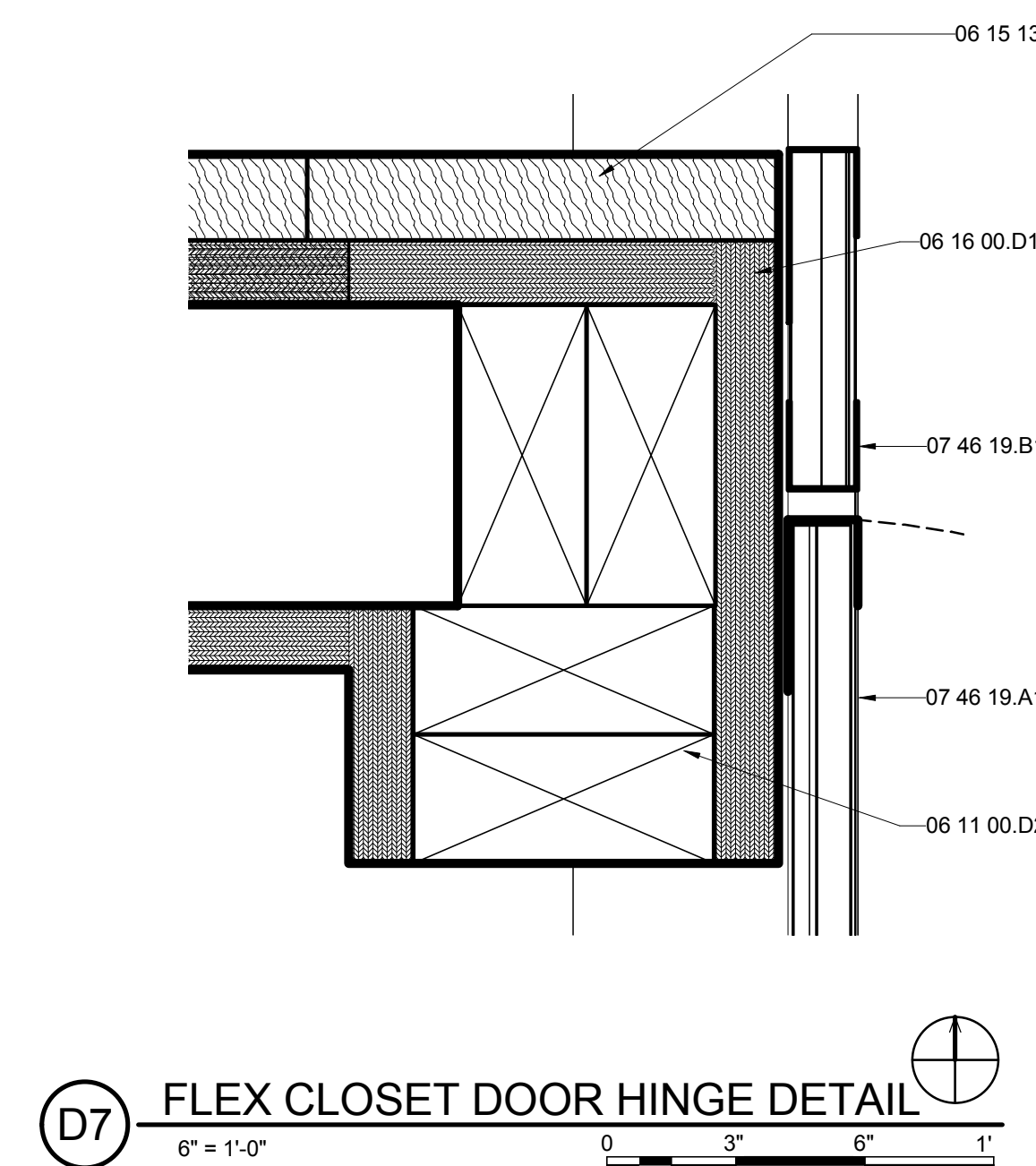
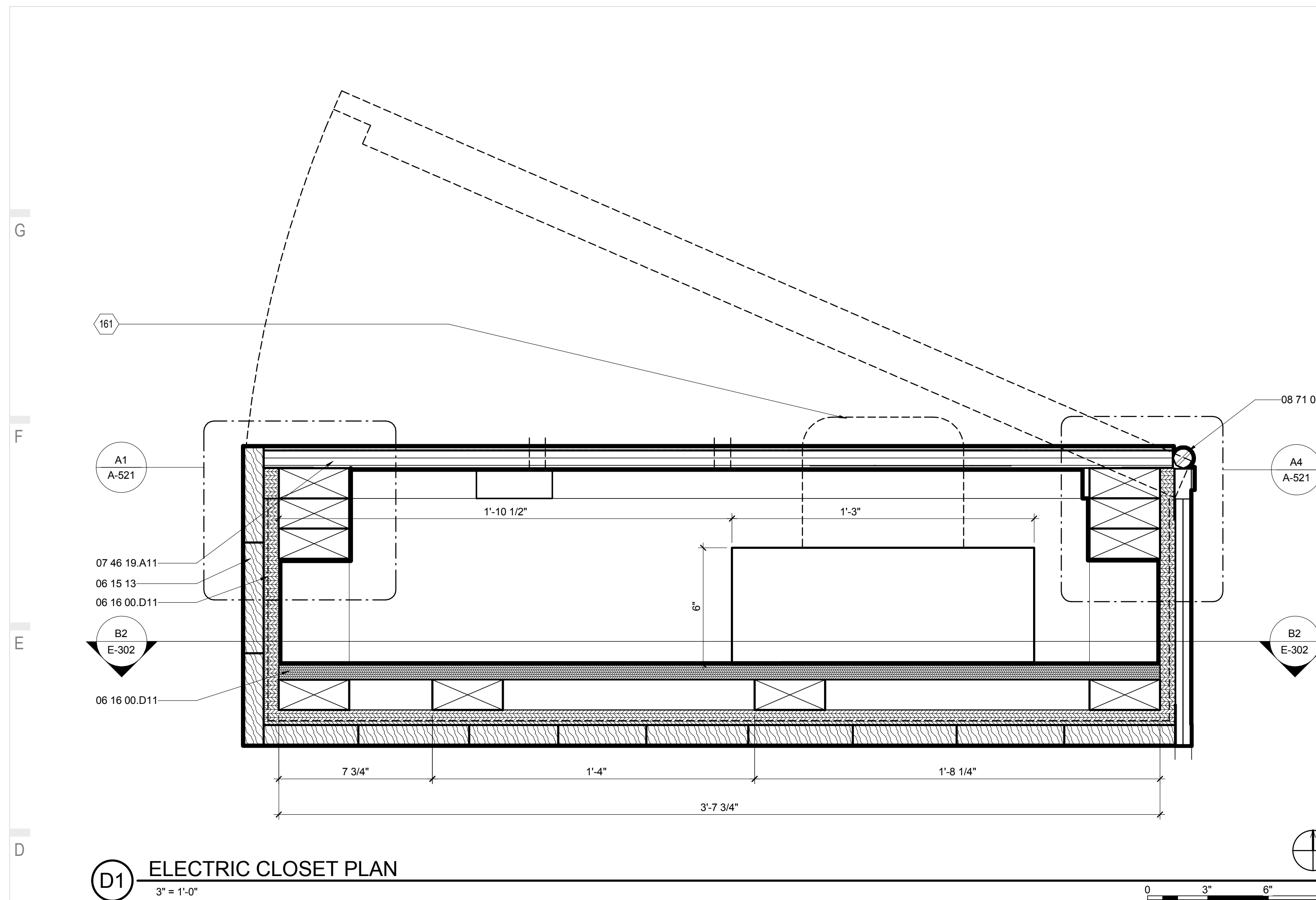
SHEET KEYNOTES

161 TEAM-SUPPLIED METER HOUSING

SHEET TITLE:
FLEX OM DETAILS

SHEET NUMBER:

A-521

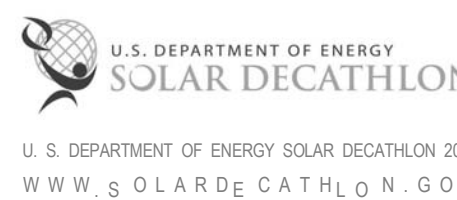




THE SOLAR HOMESTEAD
 APPALACHIAN STATE UNIVERSITY
 1100 EAST KING STREET
 BOONE, NC 28607
 PHONE: 828.262.8519
 SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
 FLEX SPACE DETAILS

SHEET NUMBER:

A-522

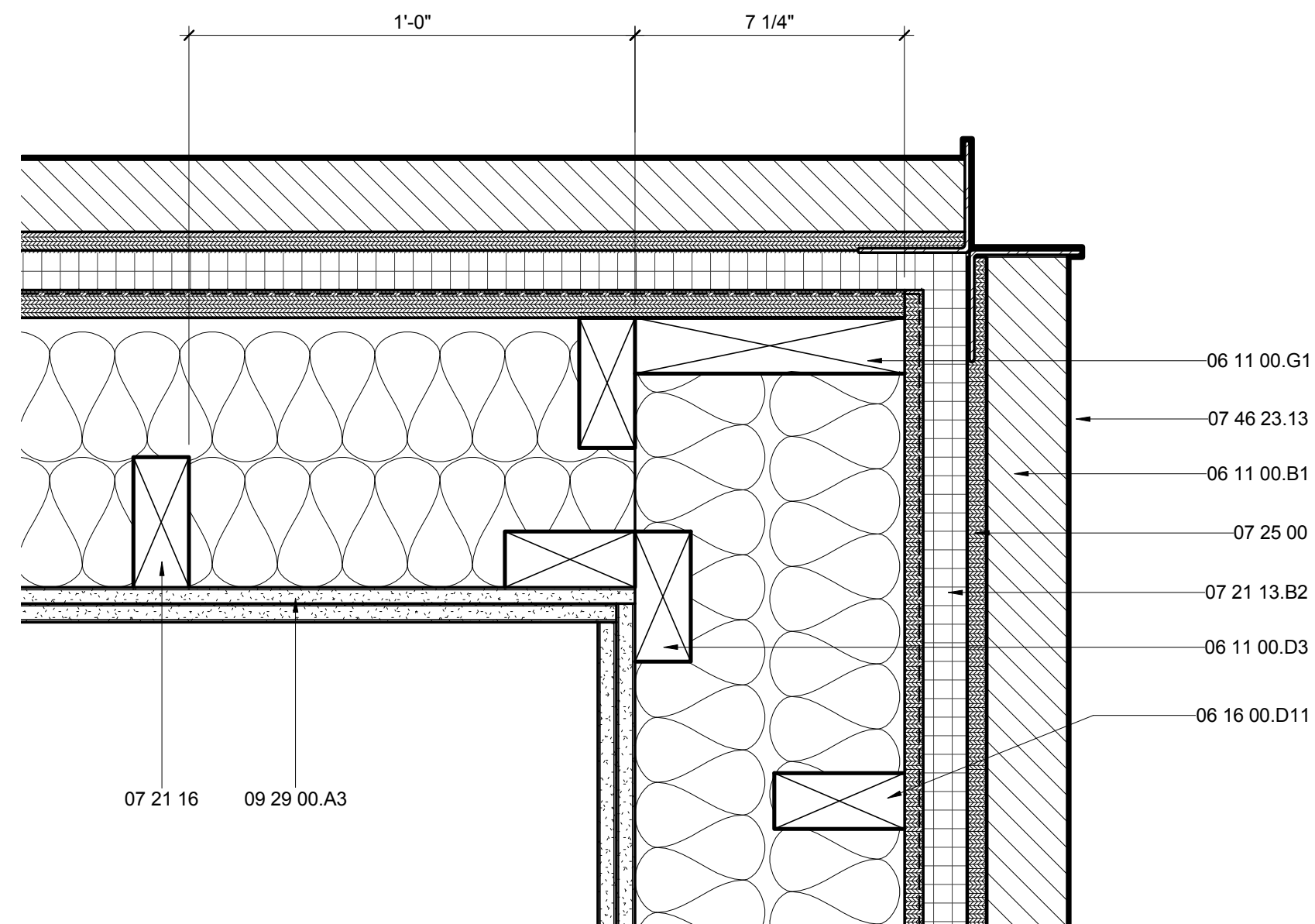
GENERAL SHEET NOTES

1. BARK SHINGLES TO BE STAGGERED AT CORNERS, TYP.

REFERENCE KEYNOTES

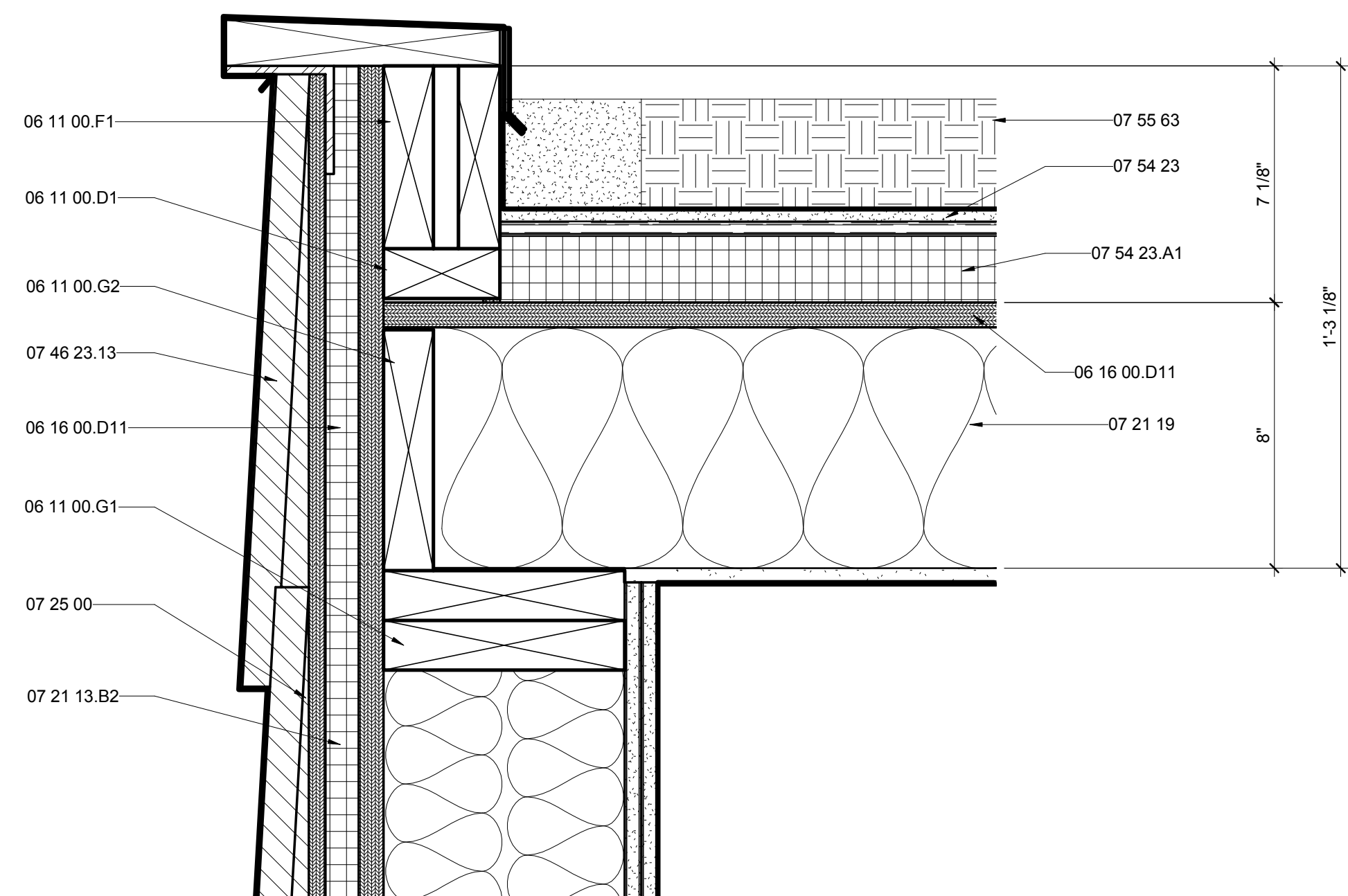
06 11 00.A1	BLOCKING
06 11 00.B1	1 X_FURRING STRIPS
06 11 00.D1	2X4
06 11 00.D3	2X4 FRAMING
06 11 00.F1	2X6
06 11 00.G1	2X8
06 11 00.G2	2X8 FRAMING @ 16" O.C.
06 11 13.B8	
06 16 00.D11	3/4" PLYWOOD
06 64 00	PLASTIC PANELING
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 25 00	WEATHER BARRIERS
07 46 23.13	WOOD BARK SHINGLE SIDING
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
07 54 23.A1	TAPERED INSULATION
07 55 63	VEGETATED PROTECTED MEMBRANE ROOFING
09 29 00.A3	1/2" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES



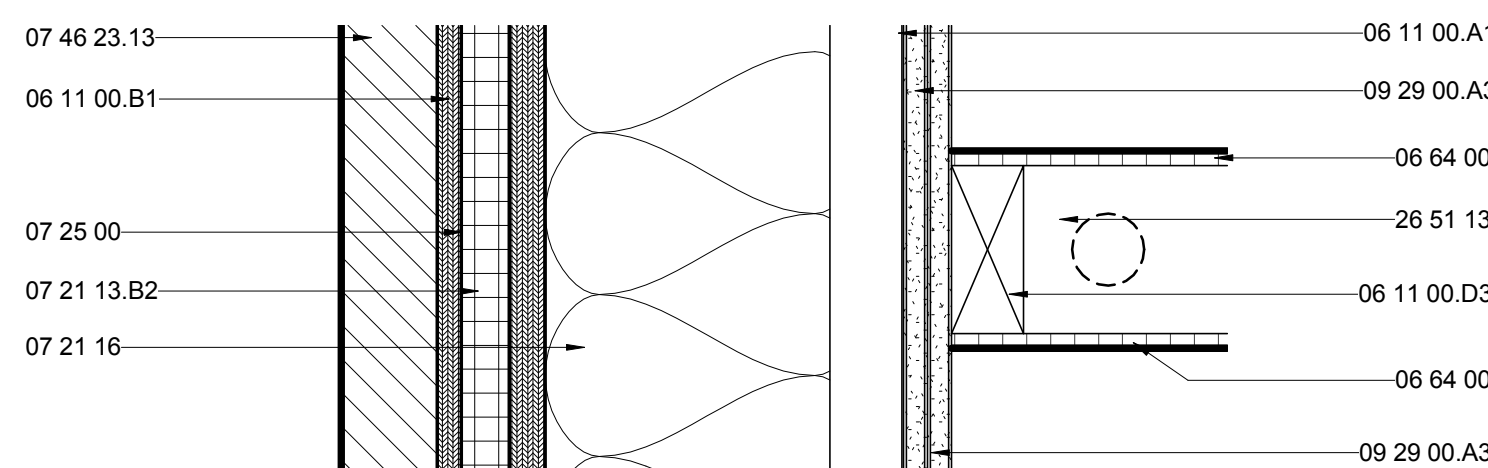
E1 TYP FLEX CORNER DETAIL

3" = 1'-0"



A1 FLEX ROOF

3" = 1'-0"



A6 ACRYLIC WALL PLAN DETAIL

3" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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MARK - DATE - DESCRIPTION

SHEET TITLE:
OUTDOOR KITCHEN DETAILS

SHEET NUMBER:

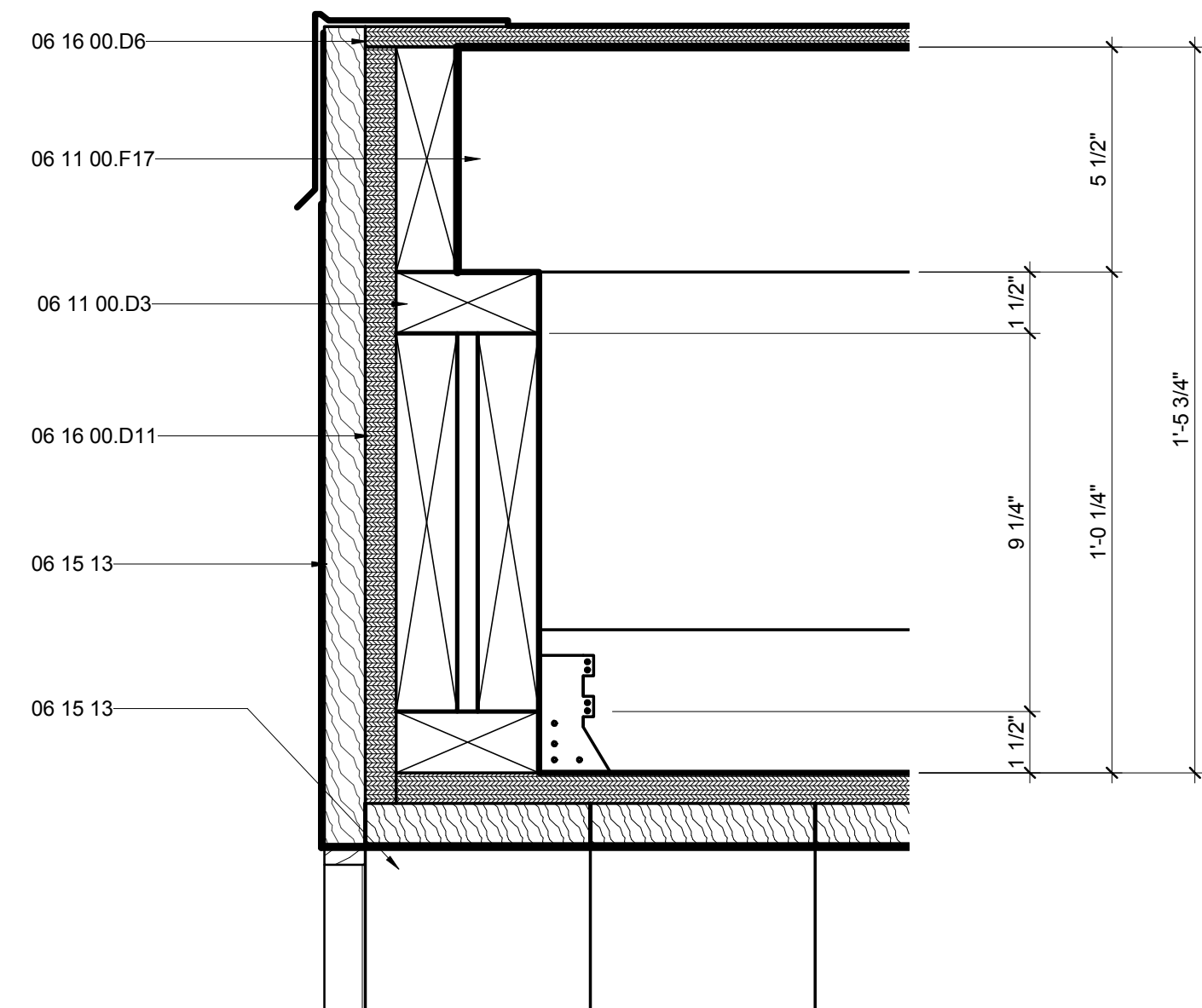
A-523

GENERAL SHEET NOTES

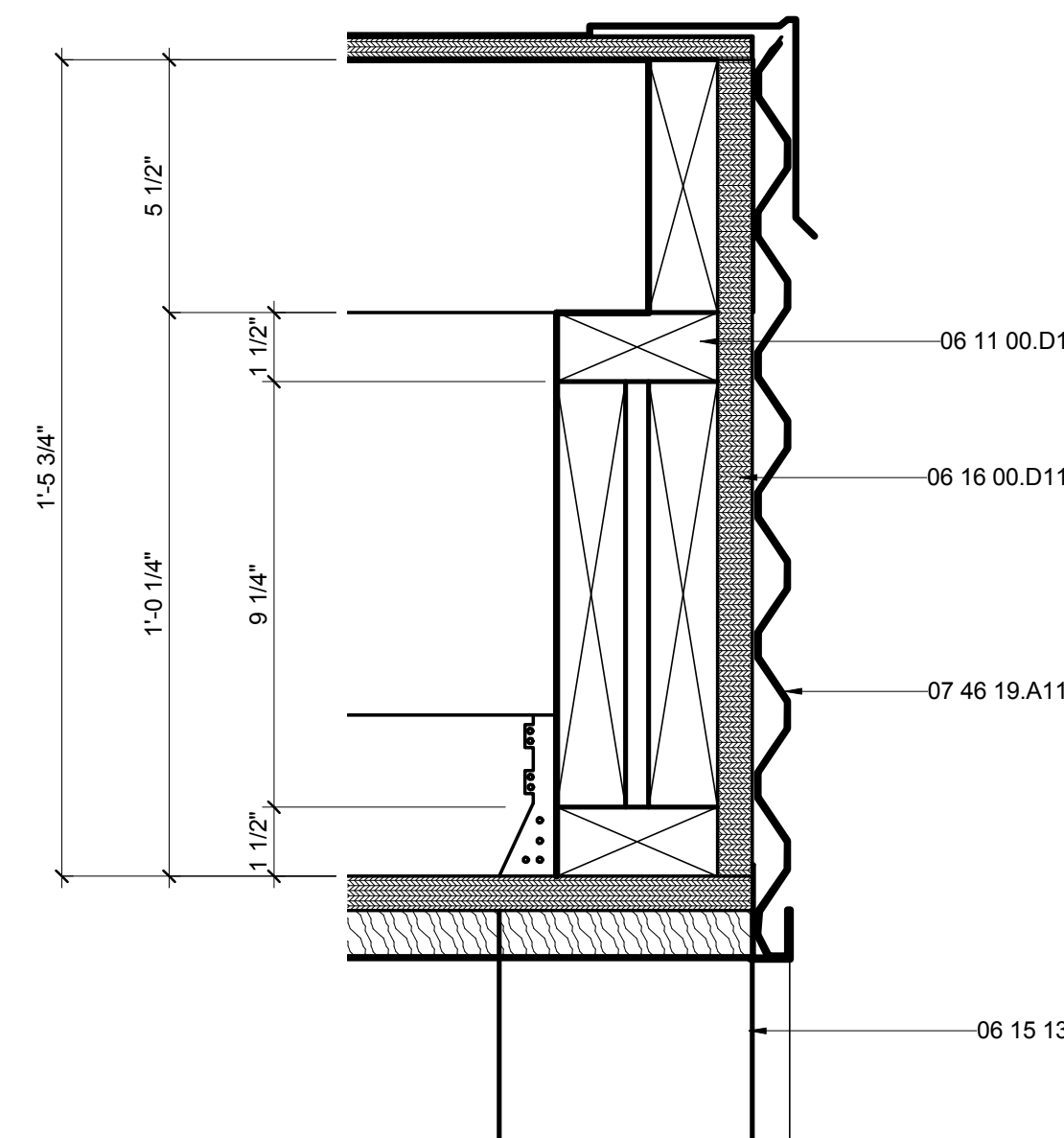
REFERENCE KEYNOTES

06 05 23.J0	HANGERS
06 11 00.D1	2X4
06 11 00.D2	TREATED 2X4
06 11 00.D3	2X4 FRAMING
06 11 00.F17	2X6 RAFTERS
06 11 00.F19	2X6 RAFTERS @ 16" O.C.
06 11 00.H1	2X10
06 15 13	WOOD FLOOR DECKING
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED

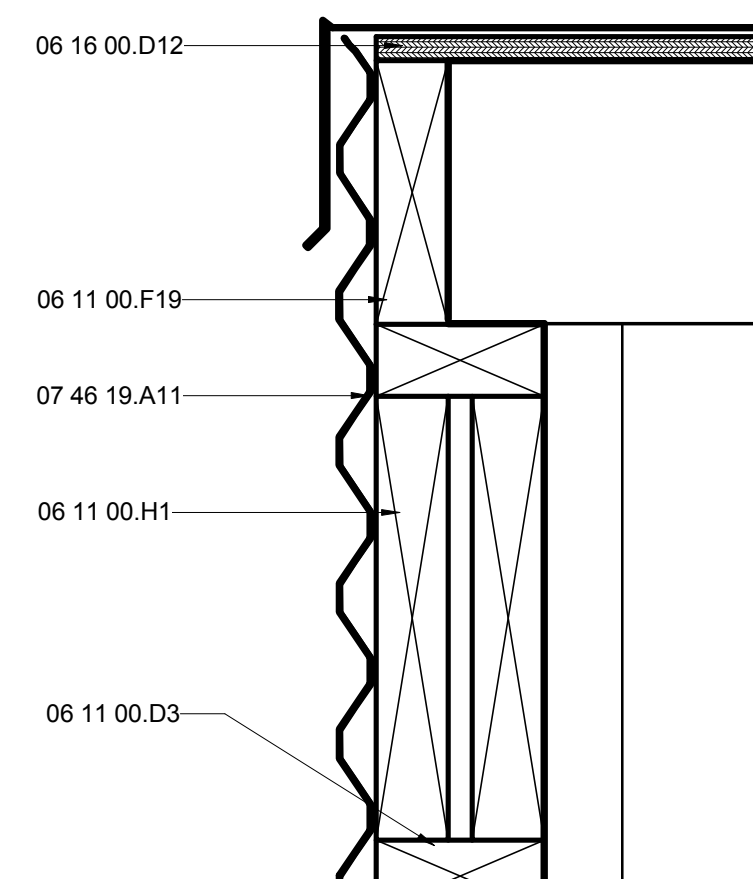
SHEET KEYNOTES



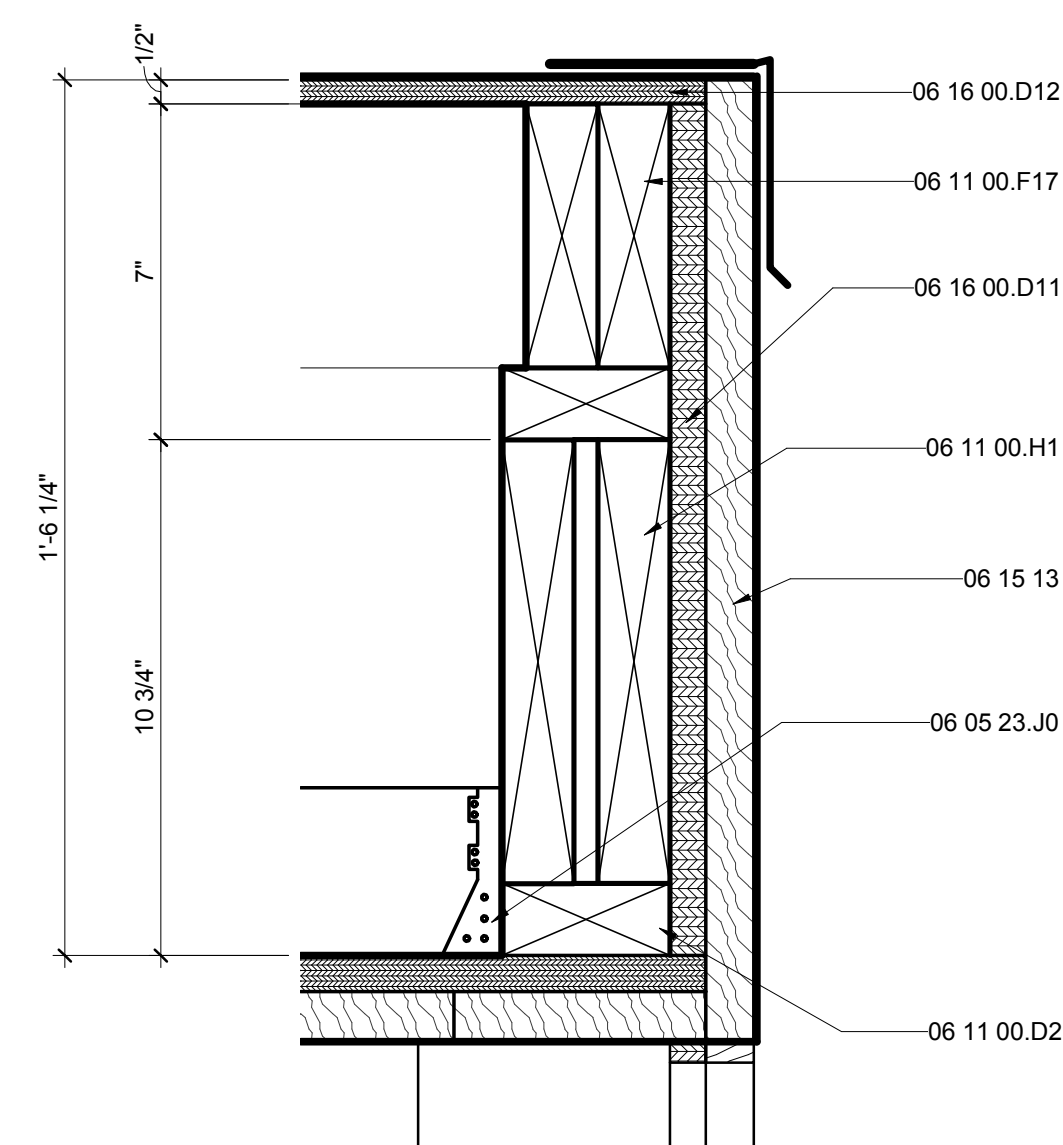
D2 FLEX OM HEAD AT GREAT PORCH
3" = 1'-0" 0 3" 6" 1'



D6 FLEX OM HEAD AT RAMP
3" = 1'-0" 0 3" 6" 1'



A2 OUTDOOR KITCHEN ROOF DETAIL
3" = 1'-0" 0 3" 6" 1'



A6 OUTDOOR KITCHEN CEILING DETAIL
3" = 1'-0" 0 3" 6" 1'

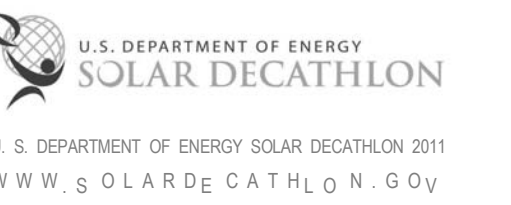


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:

OUTDOOR KITCHEN PLAN
DETAIL

SHEET NUMBER:

A-524

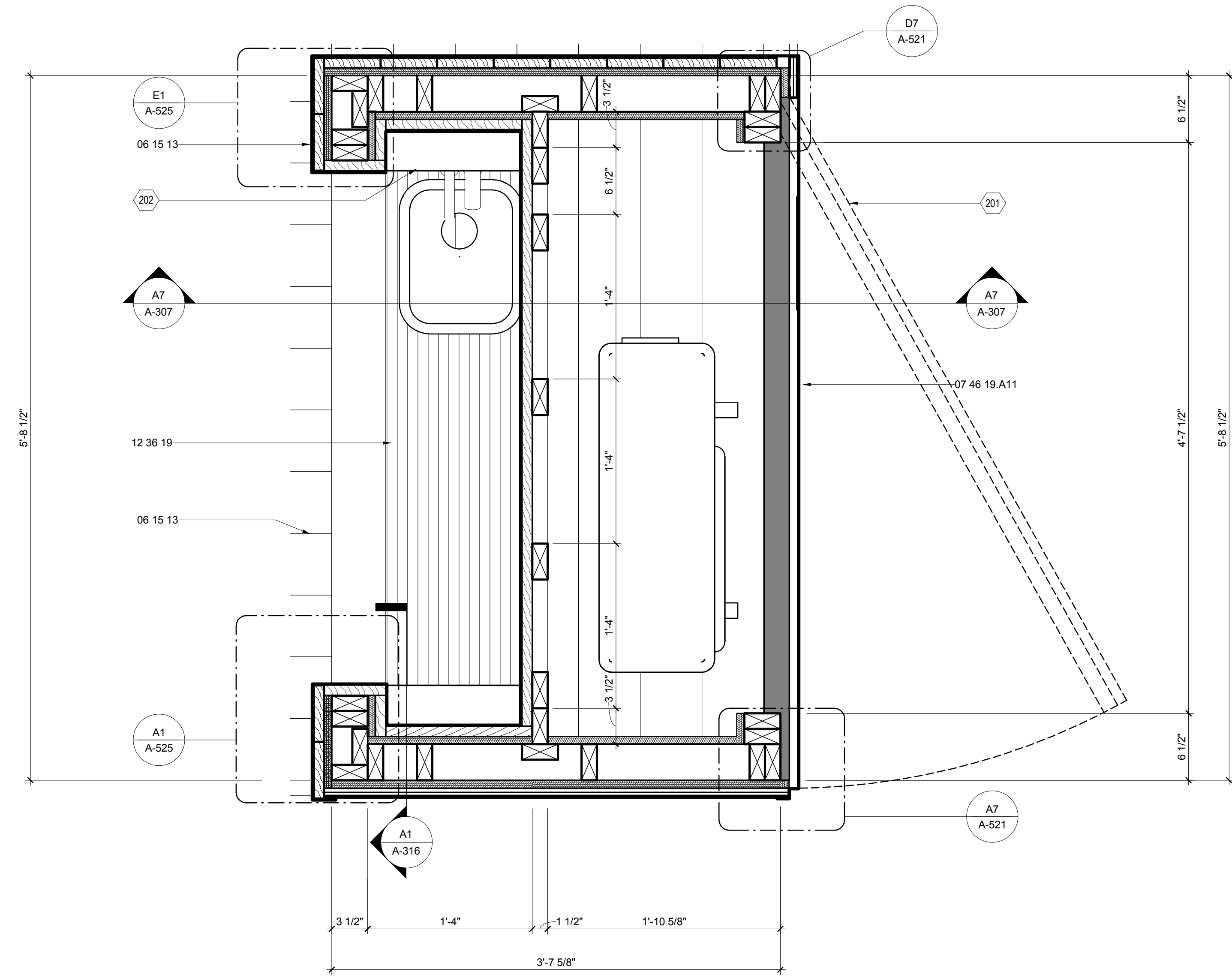
GENERAL SHEET NOTES

REFERENCE KEYNOTES

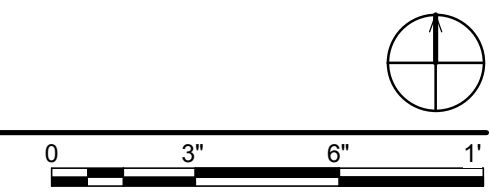
06 15 13	WOOD FLOOR DECKING
07 46 19.A11	7/8" CORRUGATED STEEL - 24 GA - PERFORATED
12 36 19	WOOD COUNTERTOPS

SHEET KEYNOTES

201	STEEL FRAME DOOR-SHEATHED IN PER. CORR. METAL
202	BUILT IN SHELVES ABOVE COUNTER



B1 OUTDOOR KITCHEN PLAN DETAIL
1 1/2" = 1'-0"



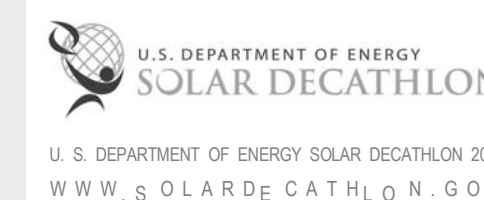


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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
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SHEET TITLE:
OUTDOOR KITCHEN DETAILS

SHEET NUMBER:

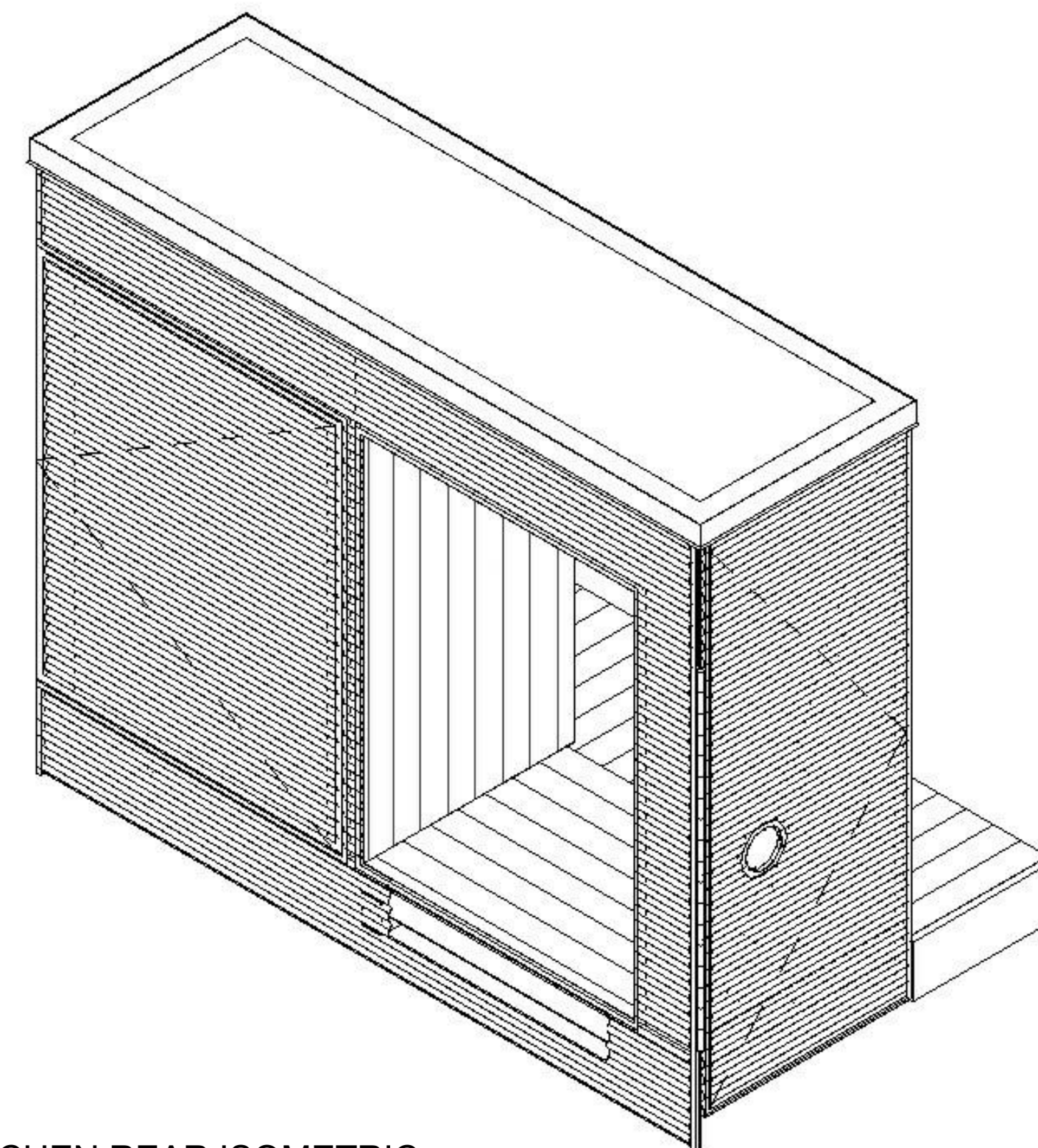
A-525

GENERAL SHEET NOTES

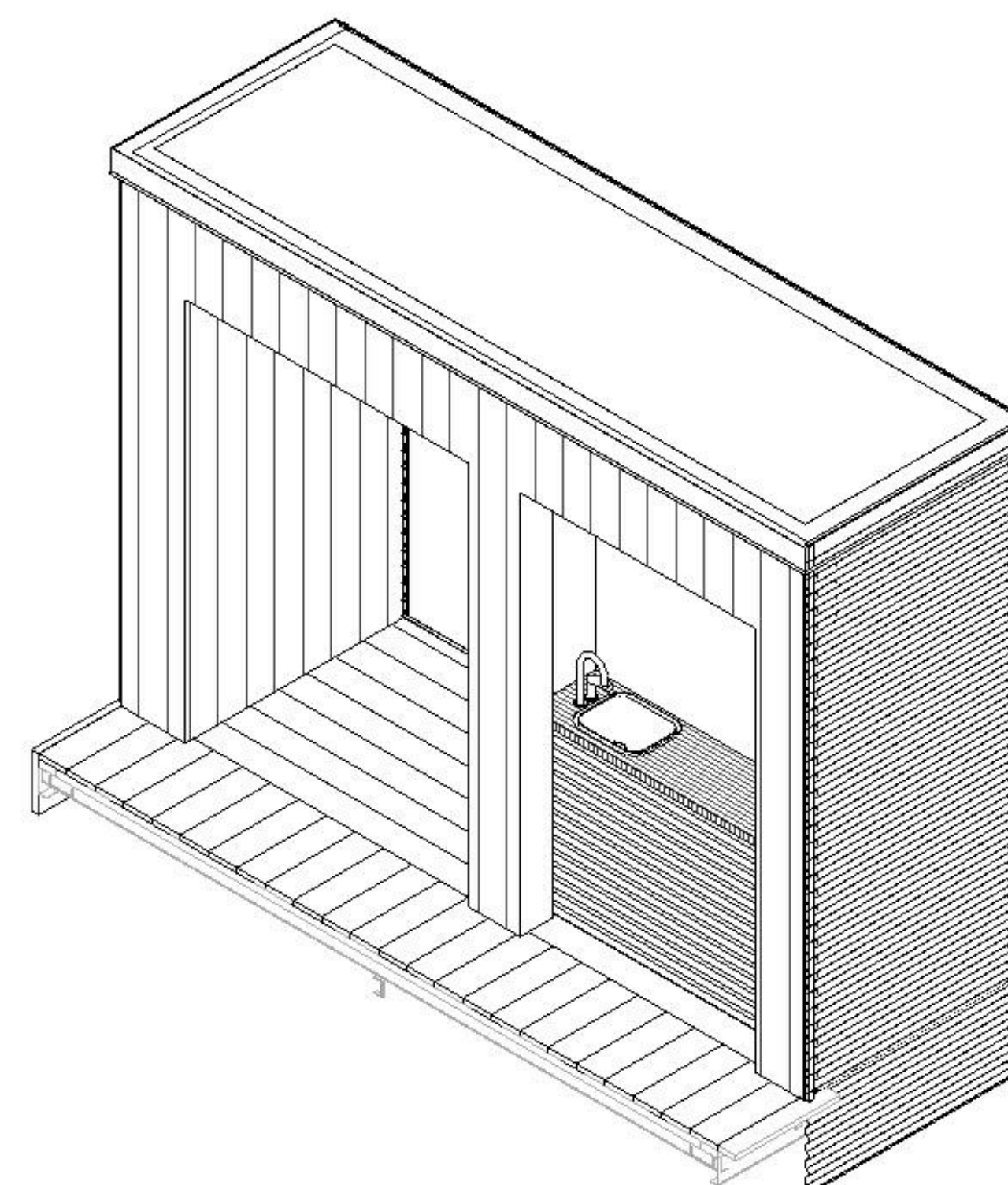
REFERENCE KEYNOTES

06 11 00.D3	2X4 FRAMING
06 15 13	WOOD FLOOR DECKING
06 16 00.D11	3/4" PLYWOOD
07 46 19	STEEL SIDING

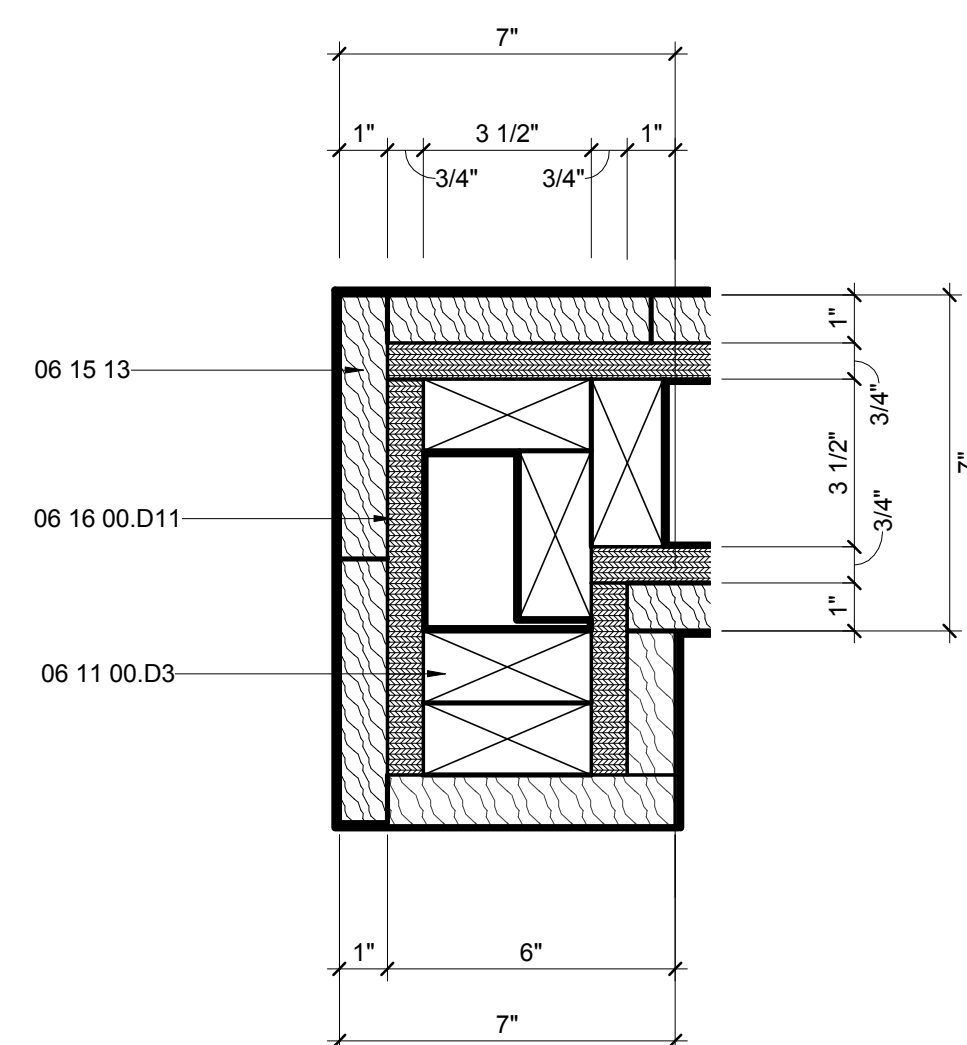
SHEET KEYNOTES



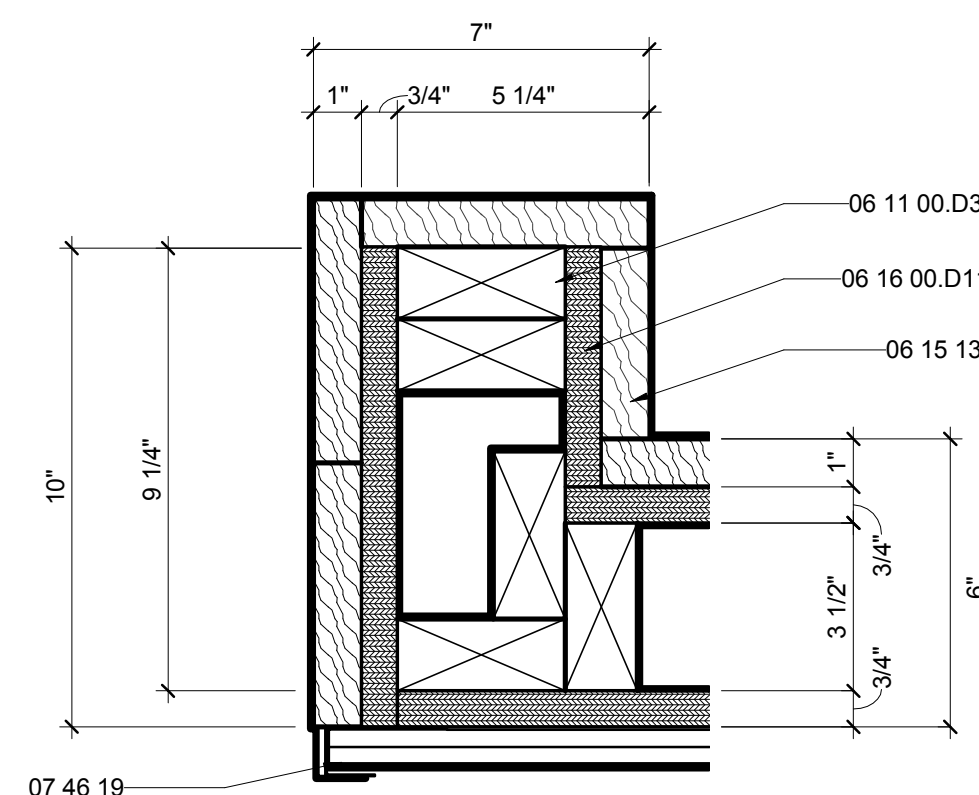
E5 OUTDOOR KITCHEN REAR ISOMETRIC
NTS



A5 OUTDOOR KITCHEN FRONT ISOMETRIC
NTS



E1 OUTDOOR KITCHEN NORTH WALL DETAIL
3" = 1'-0"



A1 OUTDOOR KITCHEN SOUTH WALL DETAIL
3" = 1'-0"

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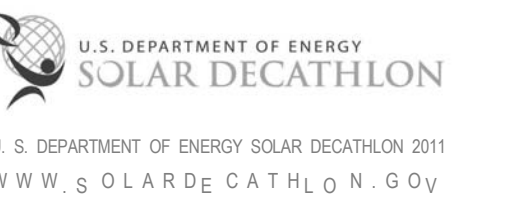


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MARK - DATE - DESCRIPTION

SHEET TITLE:
OM CLOSET DETAILS

SHEET NUMBER:

A-531

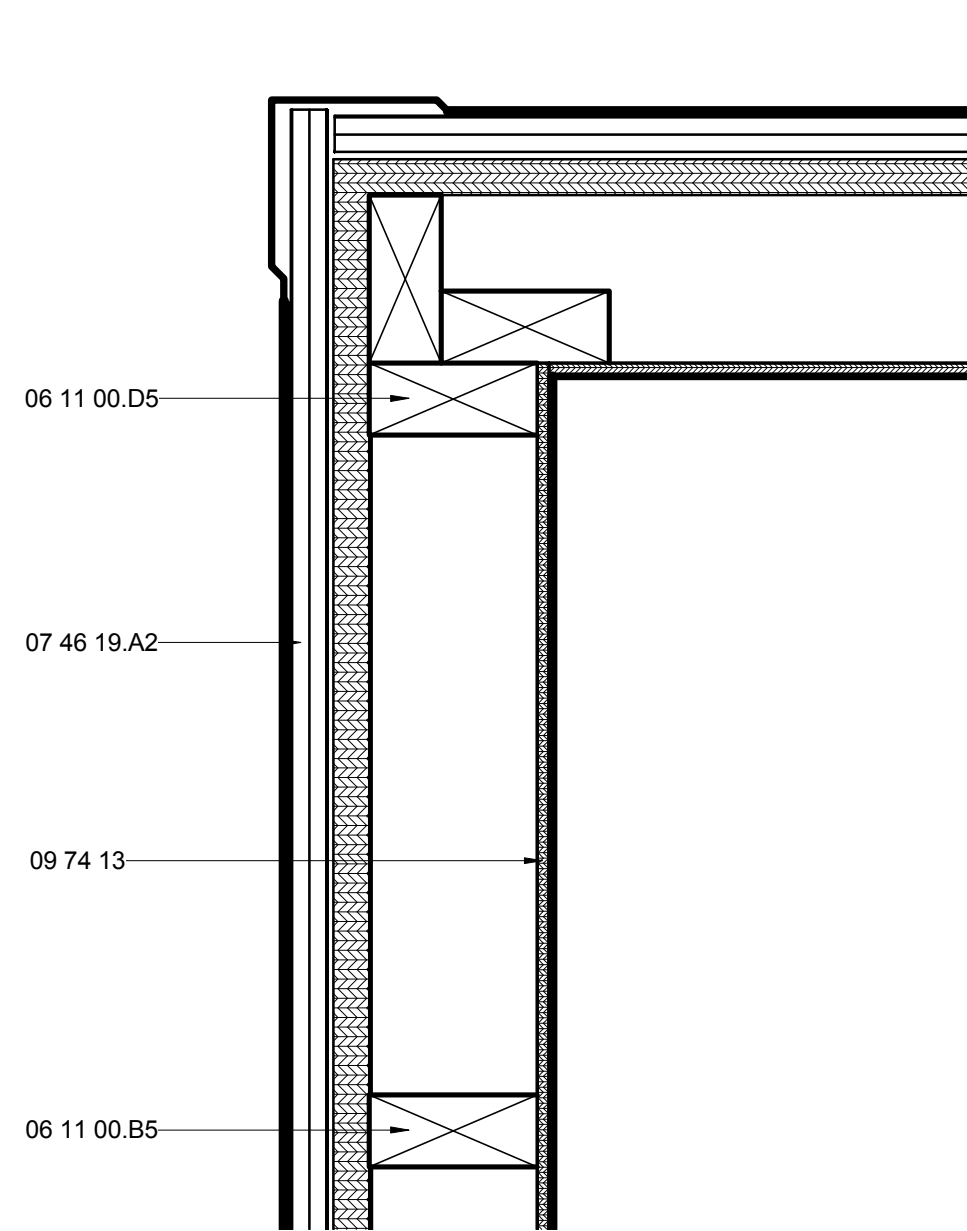
GENERAL SHEET NOTES

1. ADD TRIM PIECE DURING SET-UP TO CONNECT TRAILERS.

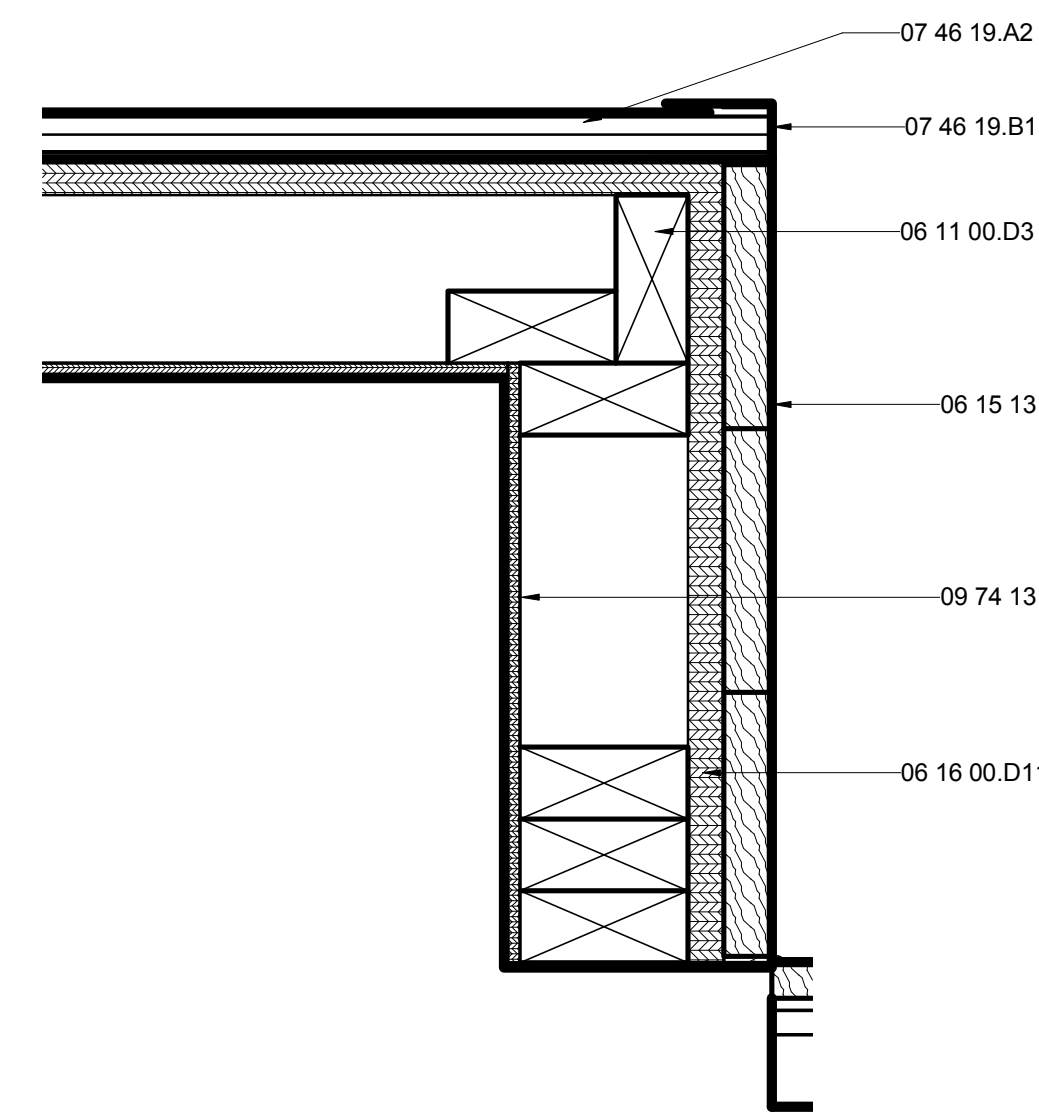
REFERENCE KEYNOTES

06 11 00.B5	1X4
06 11 00.D3	2X4 FRAMING
06 11 00.D5	2X4 FRAMING @ 16" O.C.
06 11 13.B8	
06 15 13	WOOD FLOOR DECKING
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 19.B1	1" J CHANNEL
07 46 19.B2	4" CORNER TRIM
07 46 19.B3	4" STRAIGHT TRIM
09 74 13	WOOD WALL COVERINGS

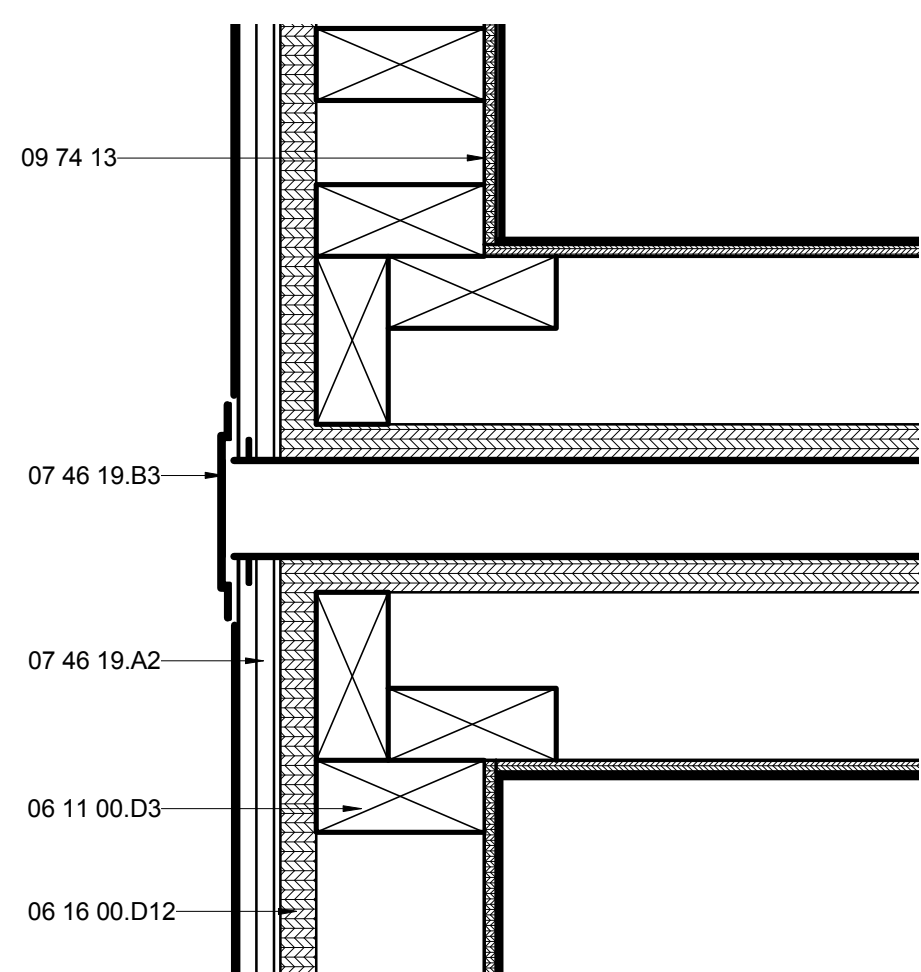
SHEET KEYNOTES



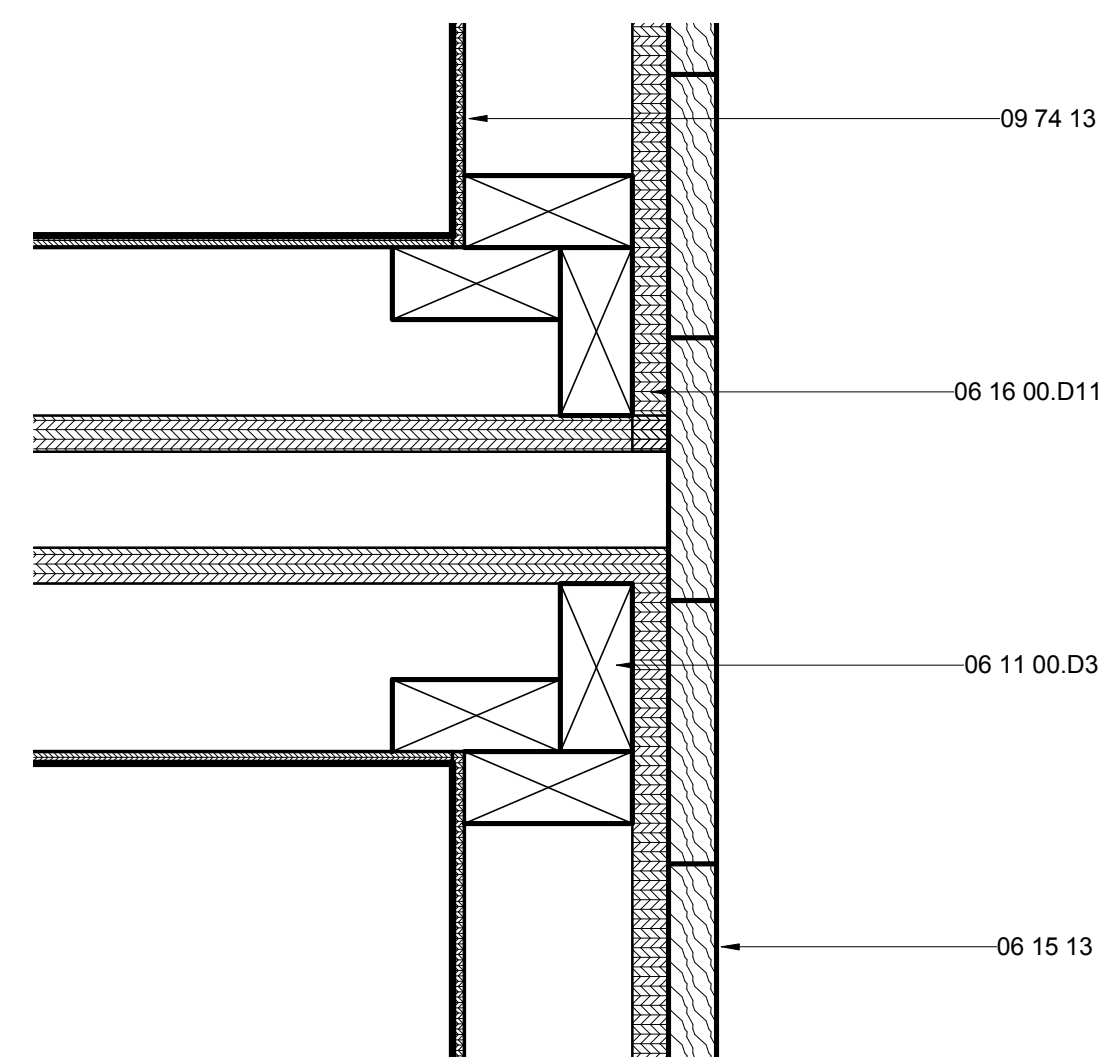
E2 OM CLOSET REAR CORNER DETAIL
3" = 1'-0" 0 3" 6" 1"



E6 OM CLOSET FRONT CORNER DETAIL
3" = 1'-0" 0 3" 6" 1"



A2 OM CLOSET REAR MARRIAGE DETAIL
3" = 1'-0" 0 3" 6" 1"



A6 OM CLOSET FRONT MARRIAGE DETAIL
3" = 1'-0" 0 3" 6" 1"



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:

CLIENT:

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SOLAR DECATHLON
U.S. DEPARTMENT OF ENERGY SOLAR DECATHLON 2011
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LOT #: 205 | APPST
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CHECKED BY: KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
OM CLOSET DETAILS

SHEET NUMBER:

A-532

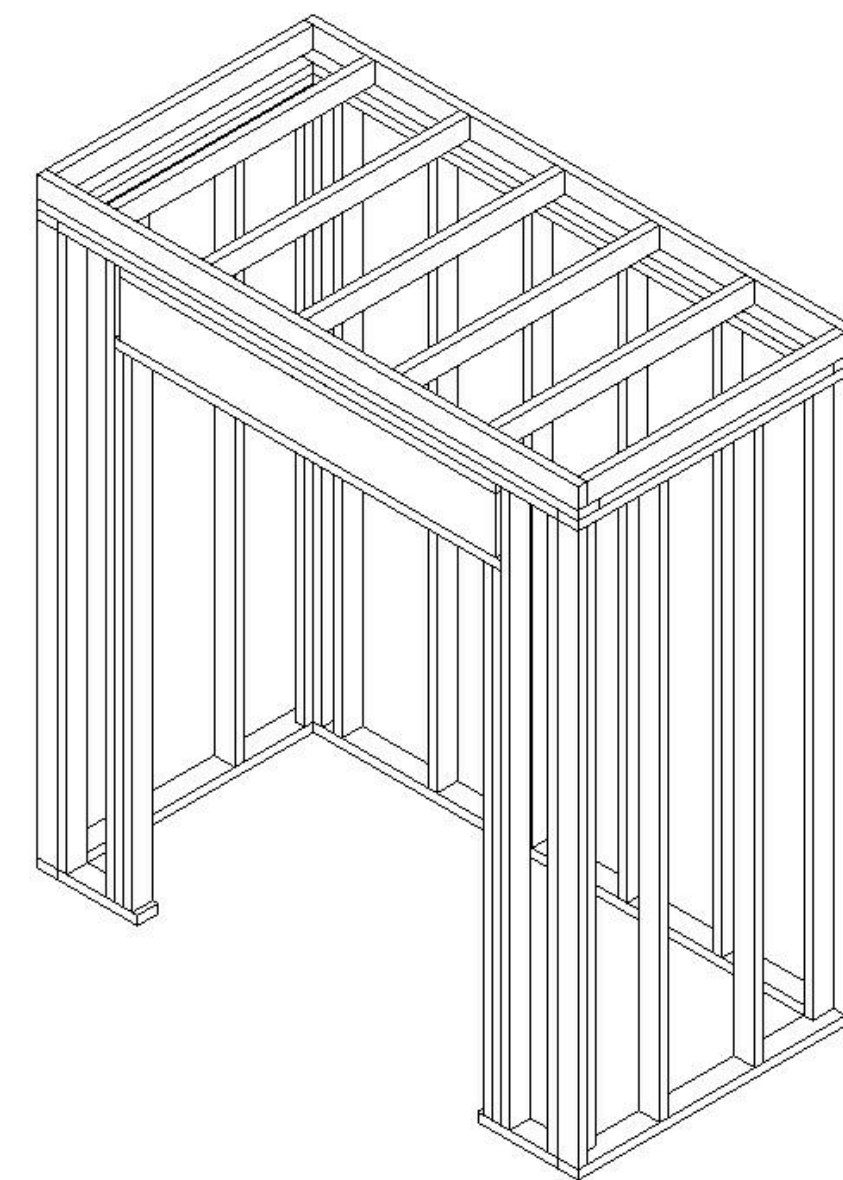
GENERAL SHEET NOTES

1. ADD TRIM PIECE DURING SET-UP TO COMPACT TRAILERS.

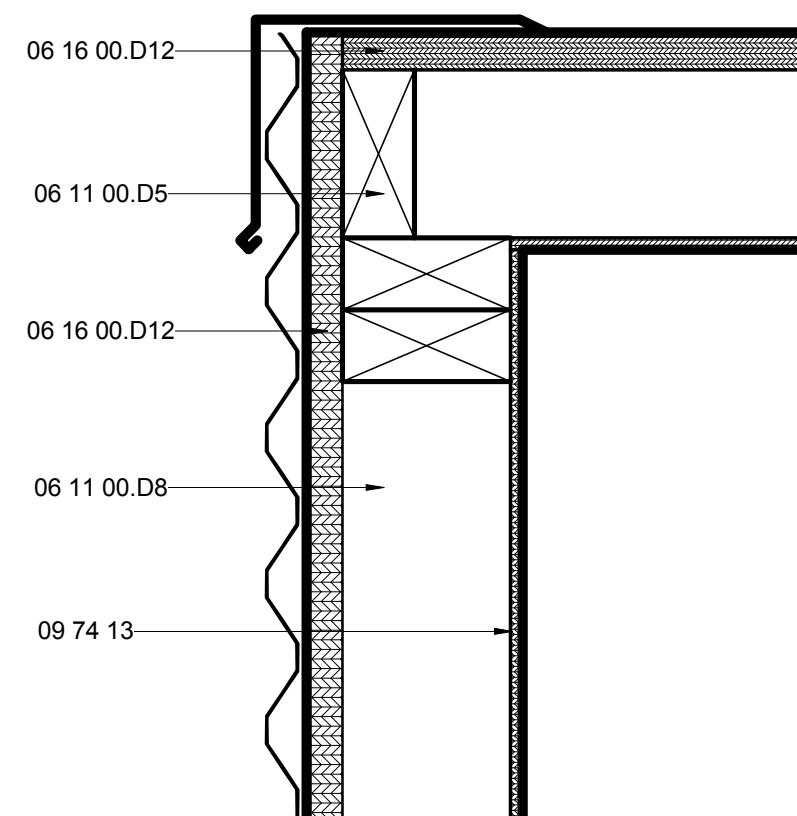
REFERENCE KEYNOTES

06 11 00.D2	TREATED 2X4
06 11 00.D3	2X4 FRAMING
06 11 00.D5	2X4 FRAMING @ 16" O.C.
06 11 00.D8	2X4 STUDS @ 16" O.C.
06 11 00.H10	DBL 2X10 HEADER
06 15 13	WOOD FLOOR DECKING
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
07 46 19	STEEL SIDING
07 46 19.A2	7/8" CORRUGATED STEEL - 24 GA
07 46 19.B3	4" STRAIGHT TRIM
07 71 13	MANUFACTURED COPINGS
09 74 13	WOOD WALL COVERINGS

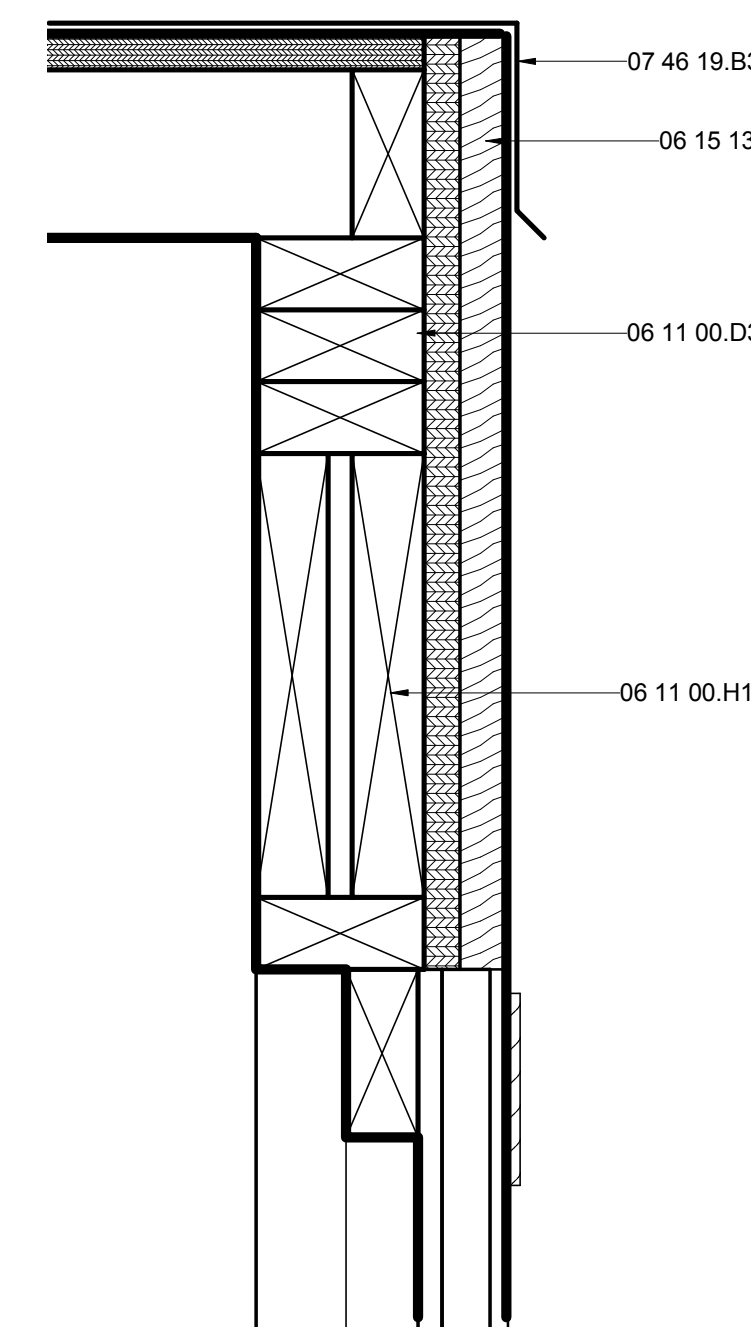
SHEET KEYNOTES



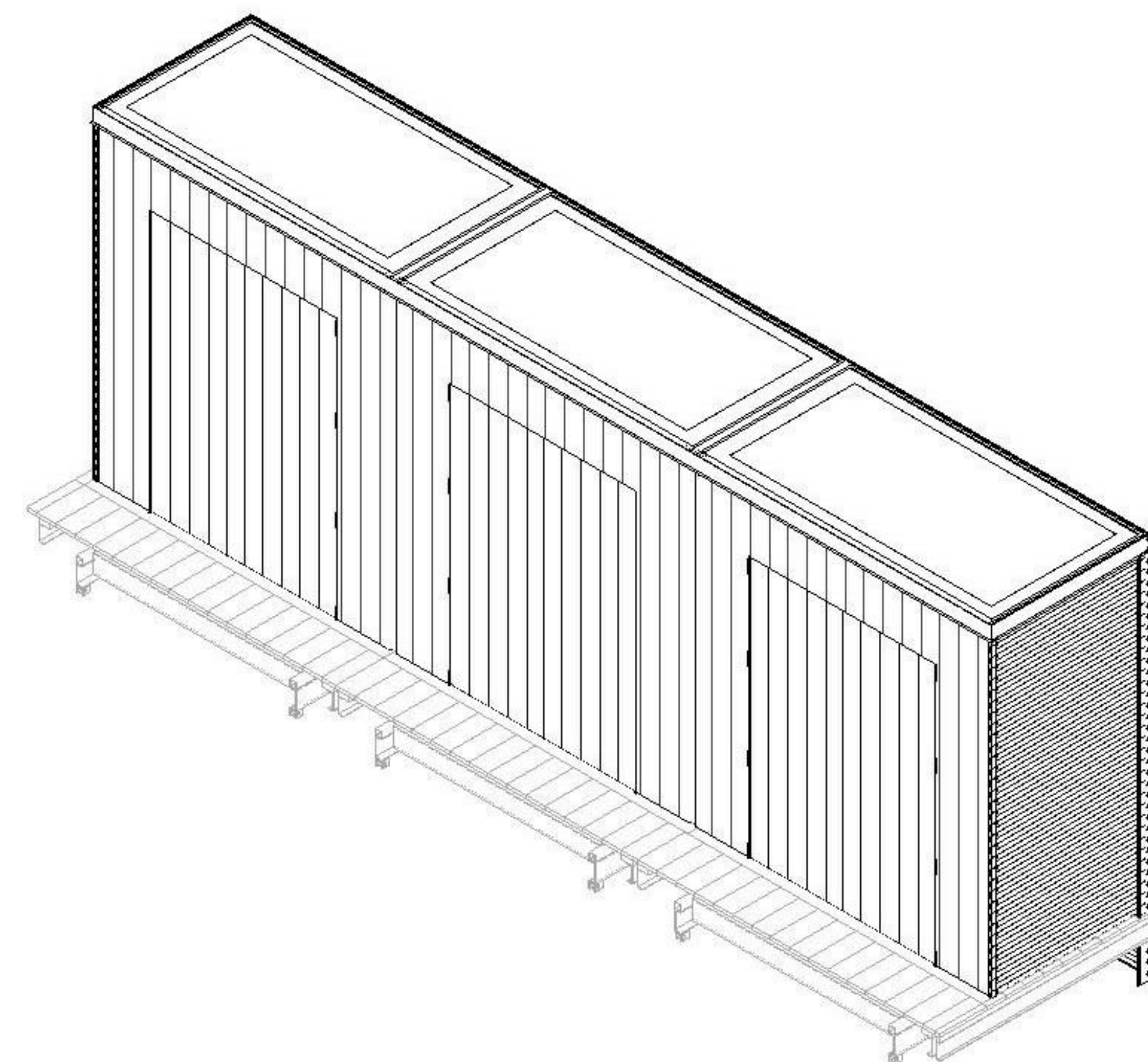
E2 OM CLOSET FRAMING ISOMETRIC
NTS



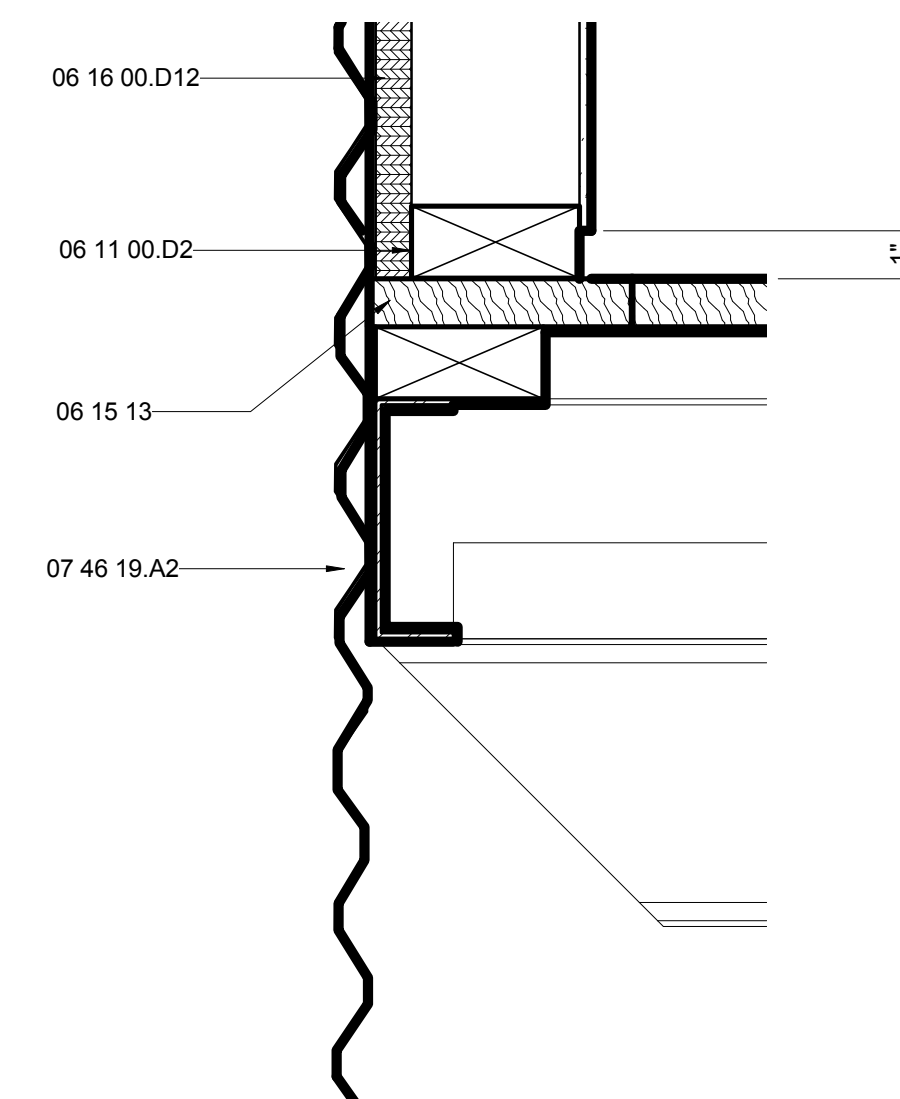
E5 OM CLOSET ROOF DETAIL
3" = 1'-0" 0 3" 6" 1"



E7 OM CLOSET FRONT ROOF DETAIL
3" = 1'-0" 0 3" 6" 1"



A2 OM CLOSETS ISOMETRIC
NTS



A7 OM CLOSET FLOOR DETAIL
3" = 1'-0" 0 3" 6" 1"

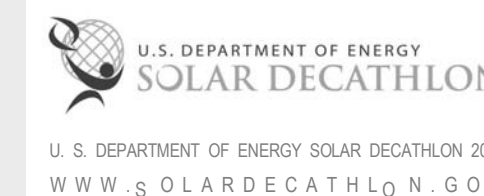


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:

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MARK - DATE - DESCRIPTION

SHEET TITLE:
CANOPY VENEER DETAILS

SHEET NUMBER:

A-533

GENERAL SHEET NOTES

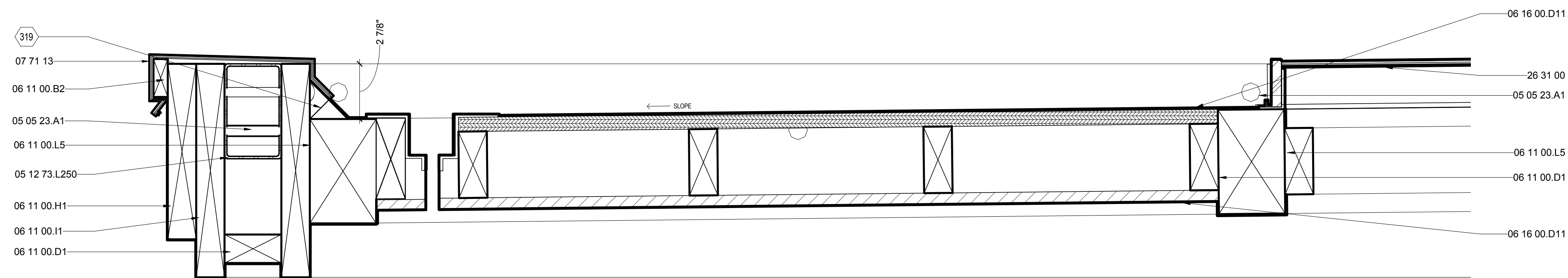
- FOR STEEL CANOPY SIZES & DIMENSIONS REFER TO STRUCTURAL DETAILS. THIS SHEET SHOWS TYPICAL FURRING DETAILS FOR STEEL CANOPY FRAMING.
- FIR OUT FOR 2 1/2" TELESCOPING COLUMN AS REQUIRED.
- SLOPE TO BE APPROXIMATED IN FIELD BASED ON 4X6 BEAM SLOPE.

REFERENCE KEYNOTES

05 05 23.A1	1/2" A307 BOLT
05 05 23.A3	3/4" A307 BOLT
05 12 73.L65	TS3X3X0.1875
05 12 73.L68	TS2.5X2.5X0.1875
05 12 73.L250	TS5X3X0.1875
06 11 00.B2	1X2
06 11 00.B3	1X3
06 11 00.C1	2X3
06 11 00.D1	2X4
06 11 00.G1	2X8
06 11 00.H1	2X10
06 11 00.I1	2X12
06 11 00.L5	4X6 BEAM
06 11 13.B8	
06 16 00.D11	3/4" PLYWOOD
07 71 13	MANUFACTURED COPINGS
26 05 33.13.A1	1/2" EMT
26 31 00	PHOTOVOLTAIC COLLECTORS

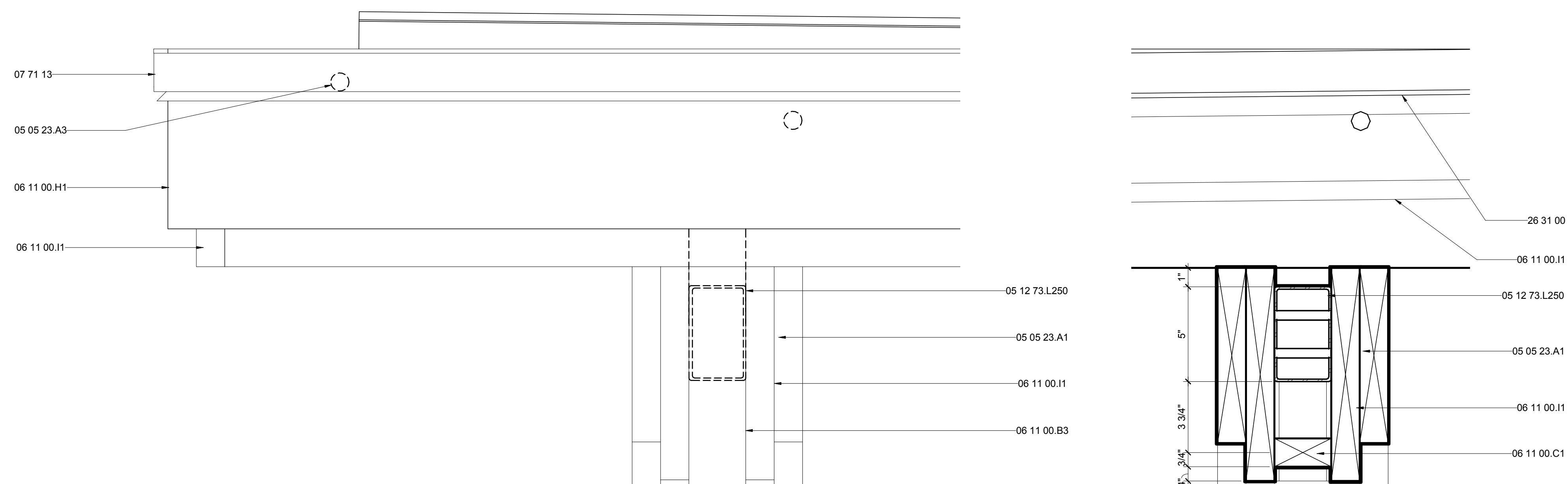
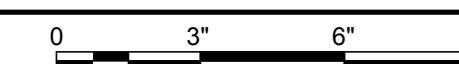
SHEET KEYNOTES

319 2" CANT STRIP



F1 CANOPY VENEER SECTION

3" = 1'-0"



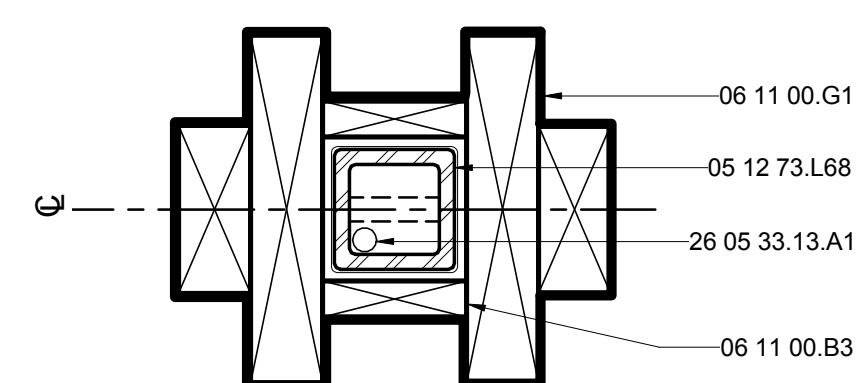
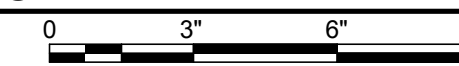
C1 GIRDER VENEER ELEVATION

3" = 1'-0"



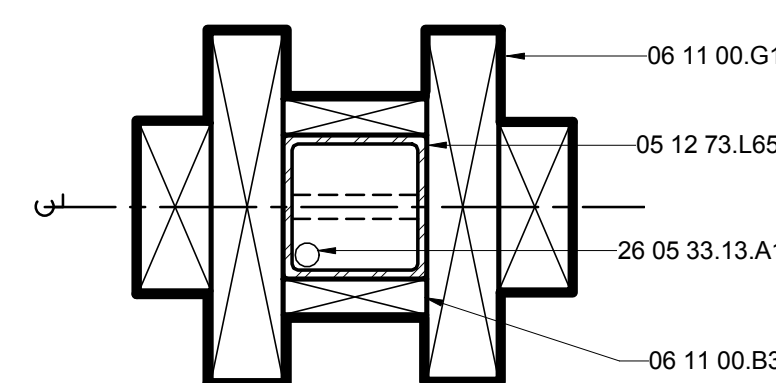
C7 GIRDER VENEER SECTION

3" = 1'-0"



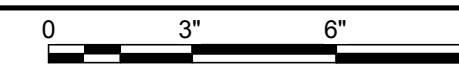
A4 TELESCOPING 2 1/2" COLUMN PLAN

3" = 1'-0"



A7 BASE 3" COLUMN PLAN

3" = 1'-0"



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THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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SHEET TITLE:
CANOPY MARRIAGE DETAILS

SHEET NUMBER:

A-534

GENERAL SHEET NOTES

- FOR STEEL CANOPY SIZES & DIMENSIONS REFER TO STRUCTURAL DETAILS. THIS SHEET SHOWS TYPICAL FURRING DETAILS FOR STEEL CANOPY FRAMING.
- FIR OUT FOR 2 1/2" TELESCOPING COLUMN AS REQUIRED.

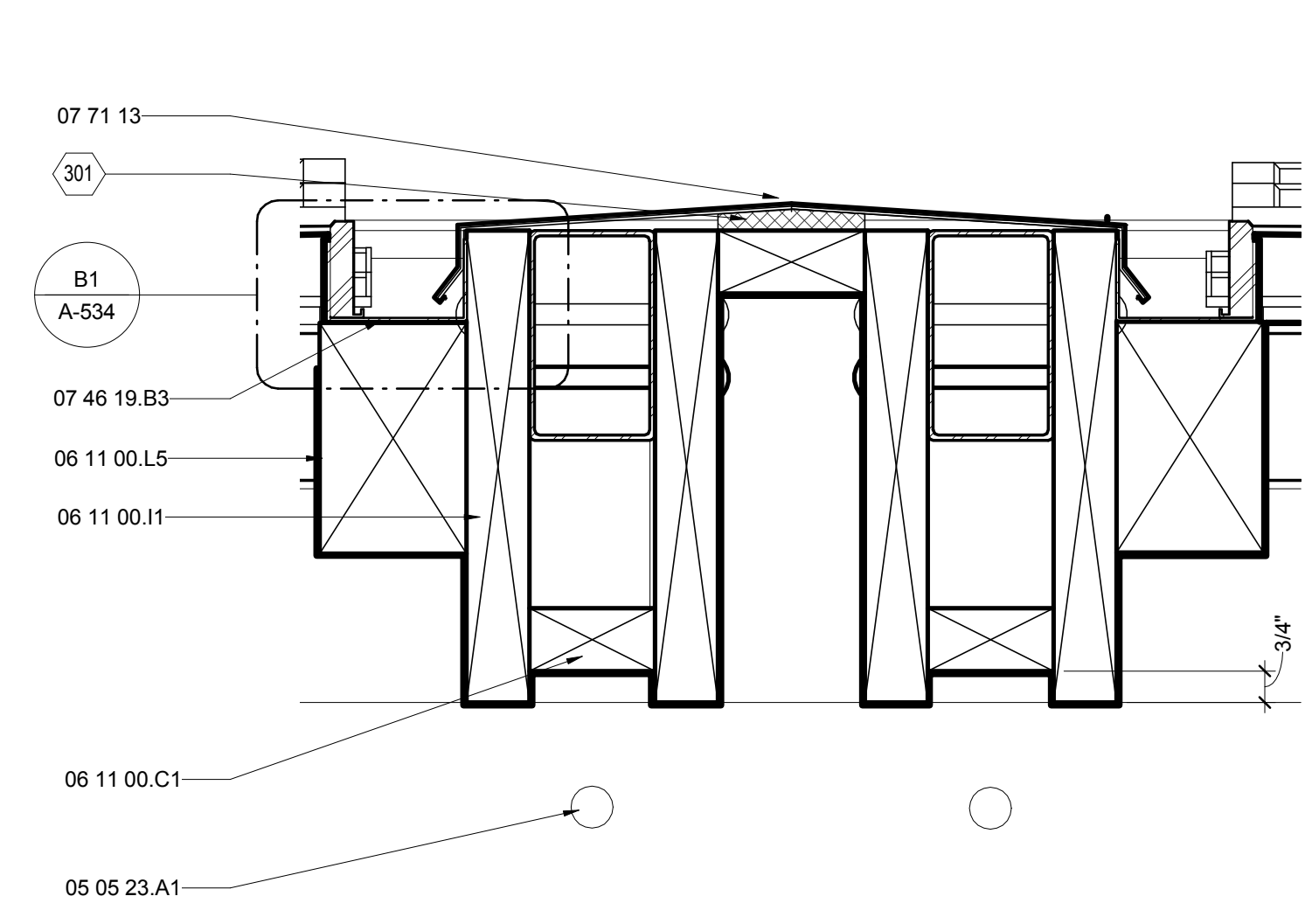
REFERENCE KEYNOTES

05 05 23.A1	1/2" A307 BOLT
05 12 73.L250	TSSX30.1875
06 11 00.C1	2X3
06 11 00.H1	2X10
06 11 00.I1	2X12
06 11 00.L5	4X6 BEAM
07 46 19.B3	4" STRAIGHT TRIM
07 65 00	FLEXIBLE FLASHING
07 71 13	MANUFACTURED COPINGS
26 31 00	PHOTOVOLTAIC COLLECTORS

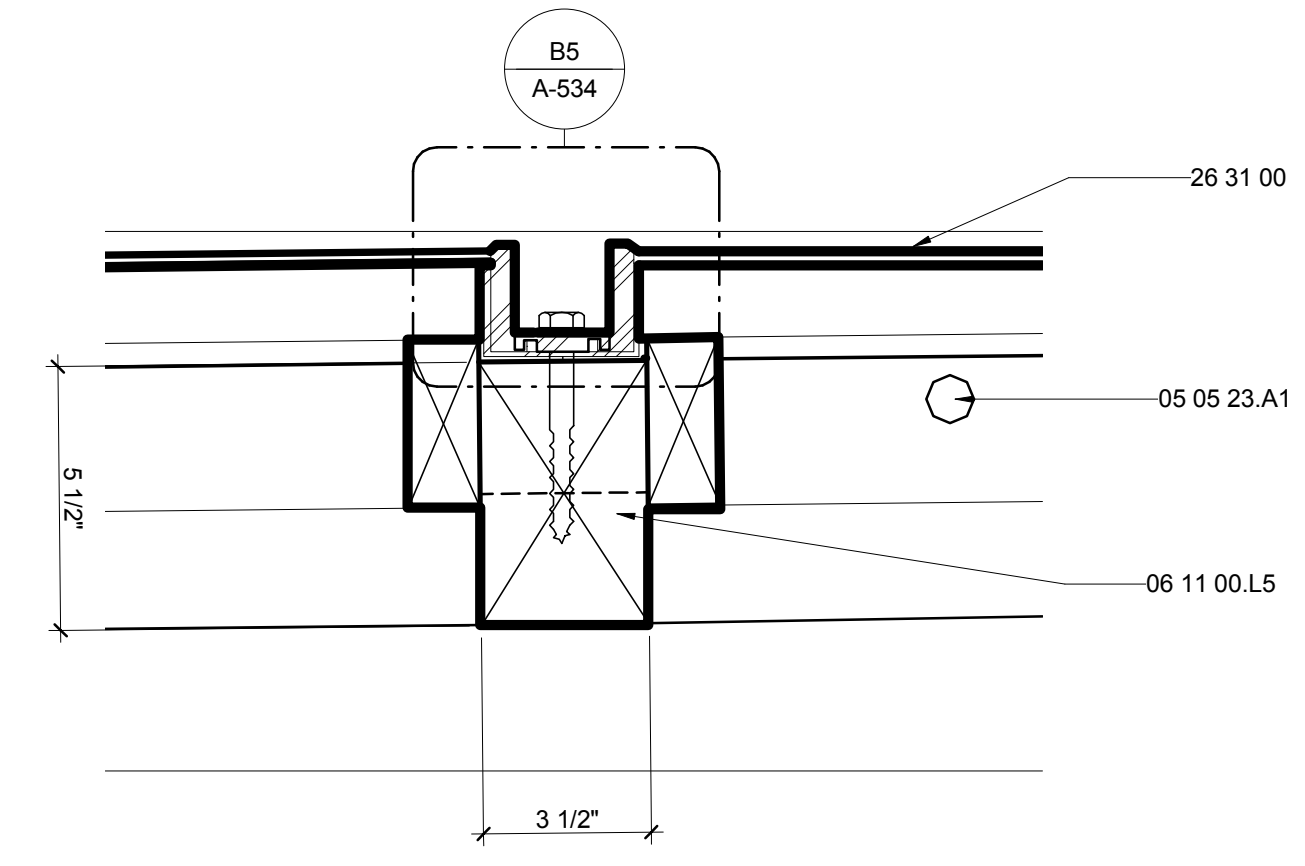
SHEET KEYNOTES

289	3 1/2" SCREW
297	RIPPED 1x2 ACTUAL INSTALLED 1/4" ABOVE GIRDER TO ALLOW FOR COPING DRAINAGE ANGLE
301	1/2" RIGID BLOCKING TYP. TO PROVIDE SLOPE
320	WIRE CHASE FOR SOLAR COLLECTORS

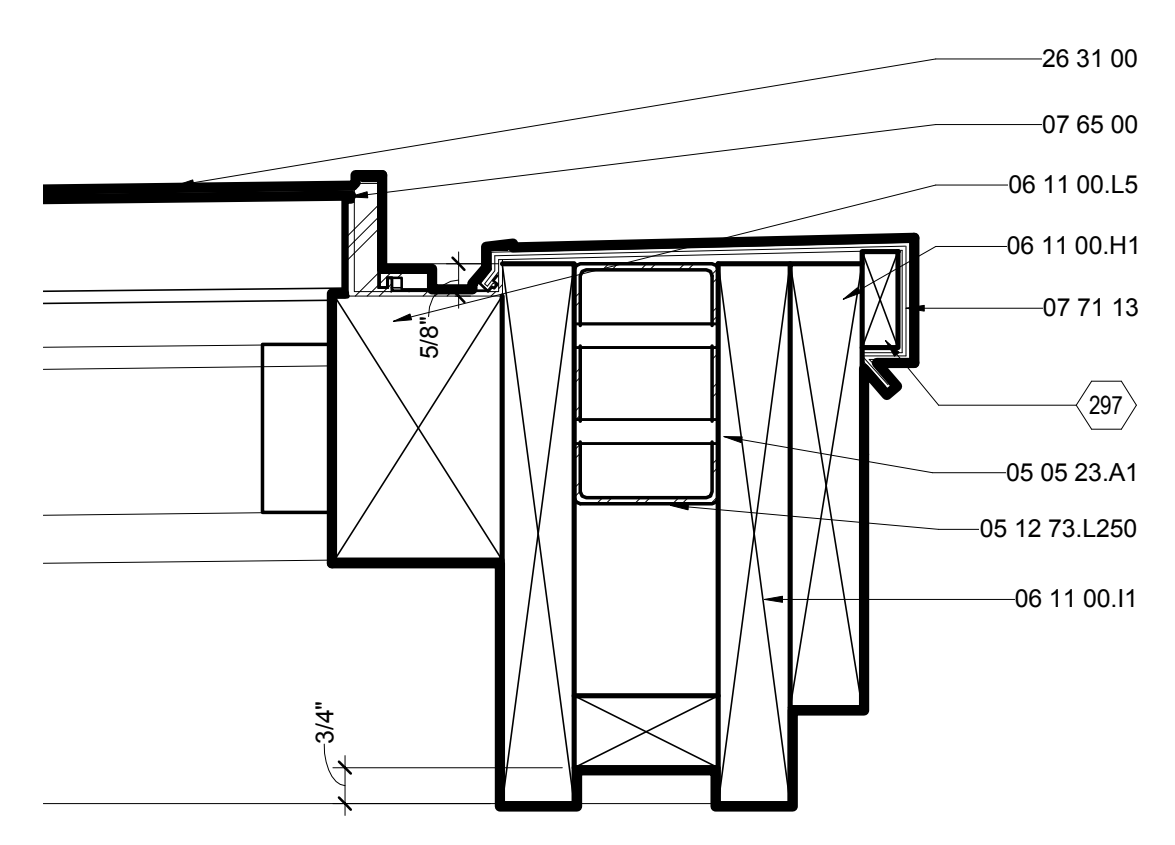
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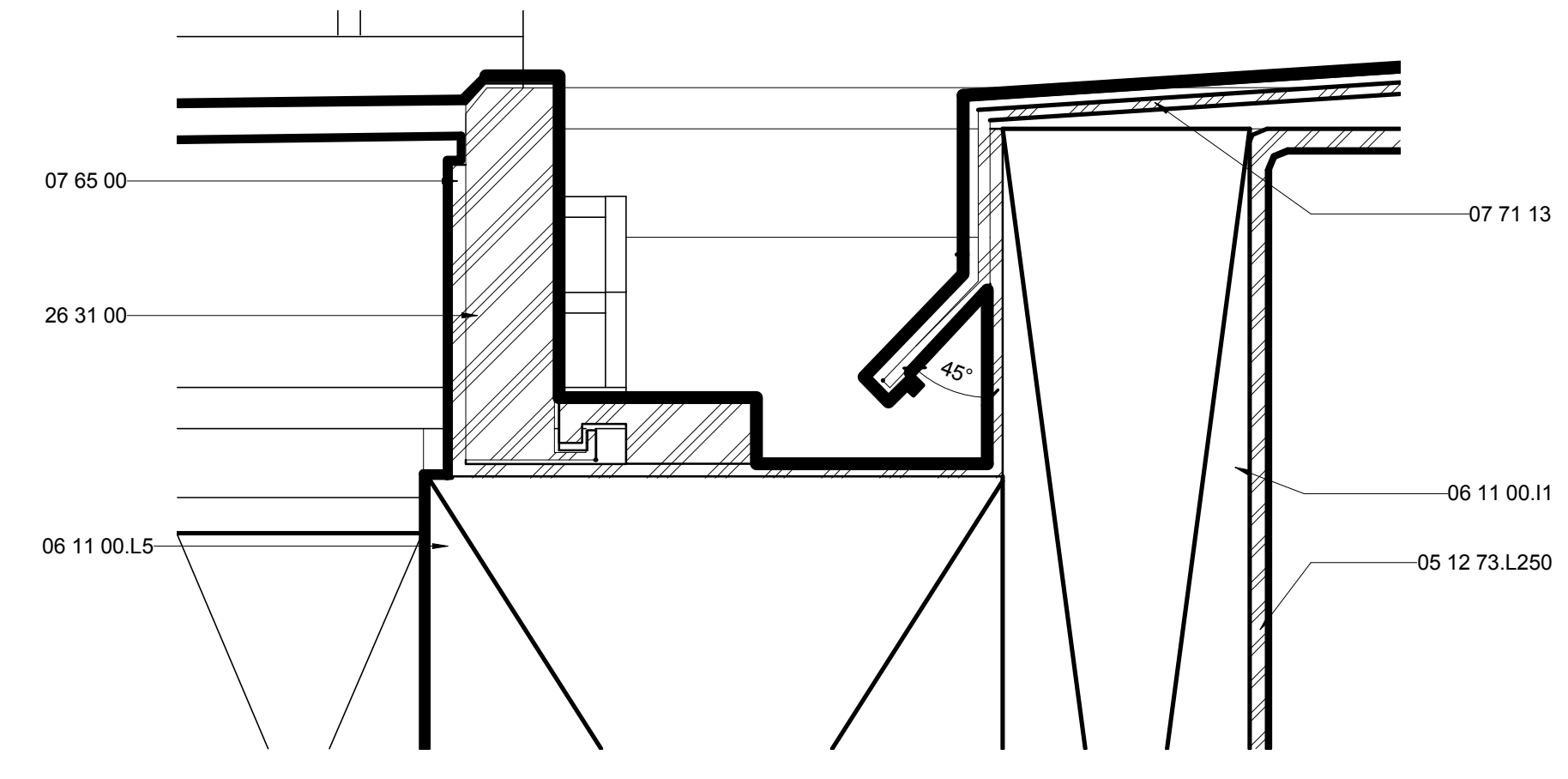
E1 OM CANOPY MARRIAGE DETAIL
3" = 1'-0"



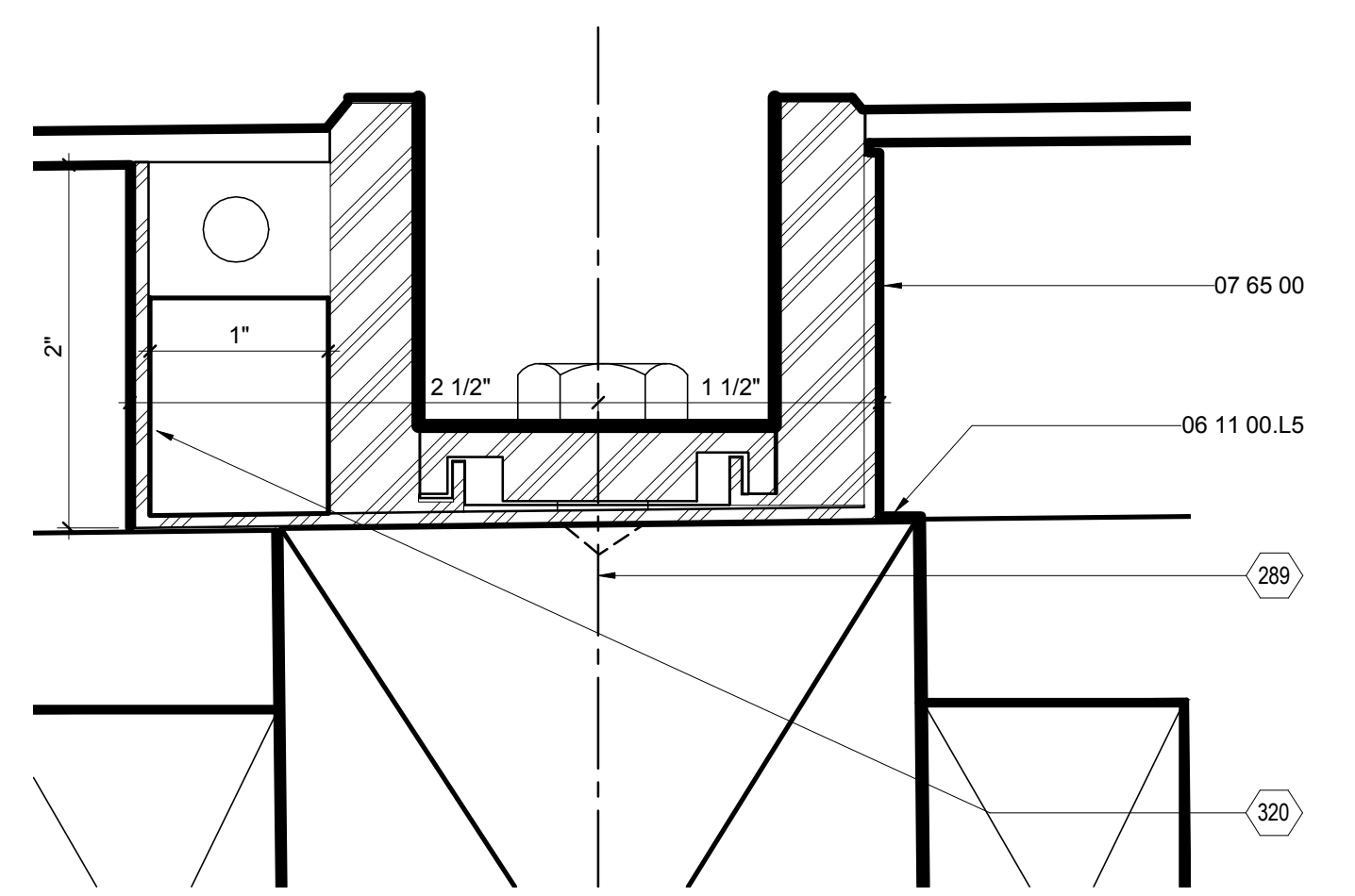
E4 CANOPY BEAM ATTACHMENT DETAIL
3" = 1'-0"



E7 CANOPY END DETAIL
3" = 1'-0"



B1 CANOPY PANEL COPING, TYP.
12" = 1'-0"



B5 PANEL GUTTER DETAIL, TYP.
12" = 1'-0"



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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SHEET TITLE:
WINDOW DETAILS

SHEET NUMBER:

A-541

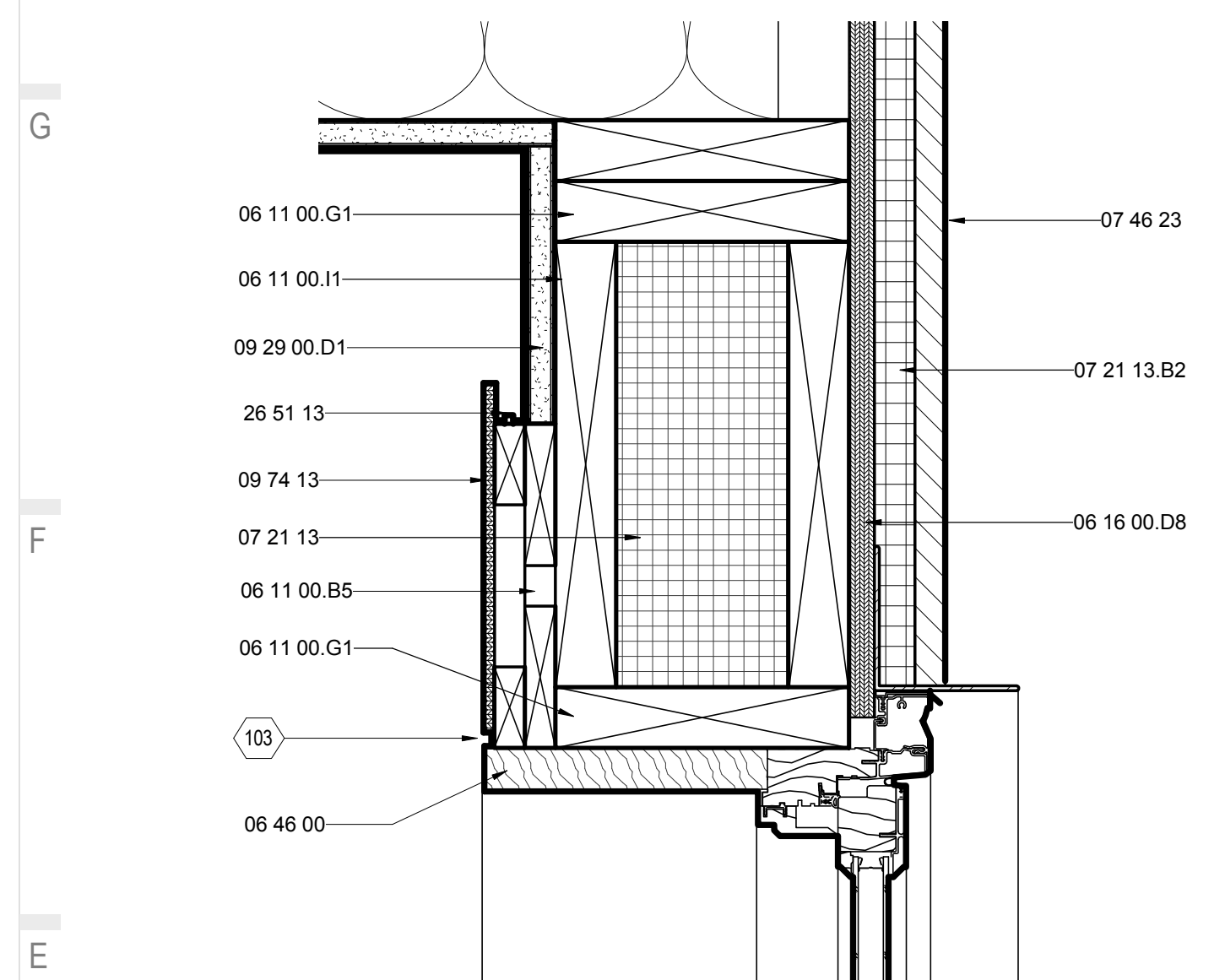
GENERAL SHEET NOTES

REFERENCE KEYNOTES

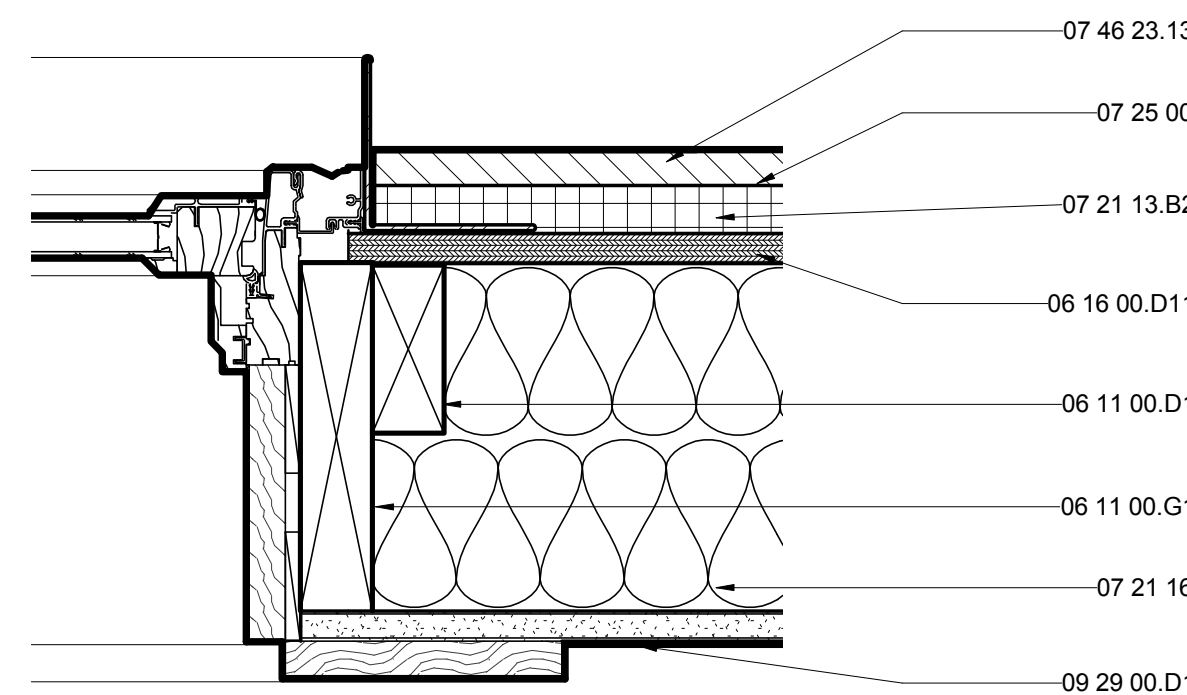
06 11 00.B1	1 X_FURRING STRIPS
06 11 00.B5	1X4
06 11 00.D1	2X4
06 11 00.G1	2X8
06 11 00.I1	2X12
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
06 46 00	WOOD TRIM
07 21 13	BOARD INSULATION
07 21 13.B2	1" RIGID INSULATION
07 21 16	BLANKET INSULATION
07 25 00	WEATHER BARRIERS
07 46 23	WOOD SIDING
07 46 23.13	WOOD BARK SHINGLE SIDING
09 29 00.A3	1/2" GYPSUM WALLBOARD
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES

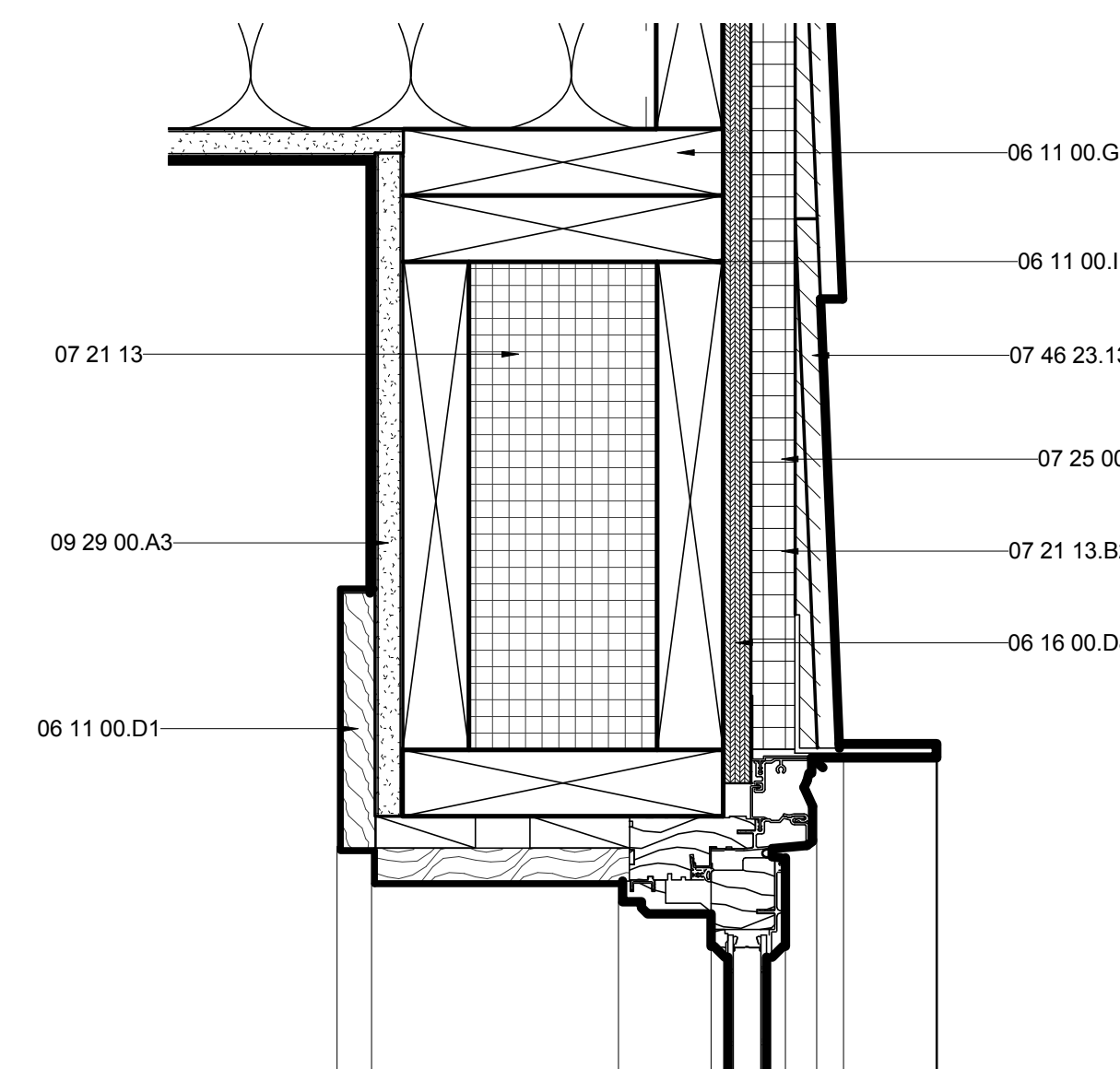
103 3/8" REVEAL



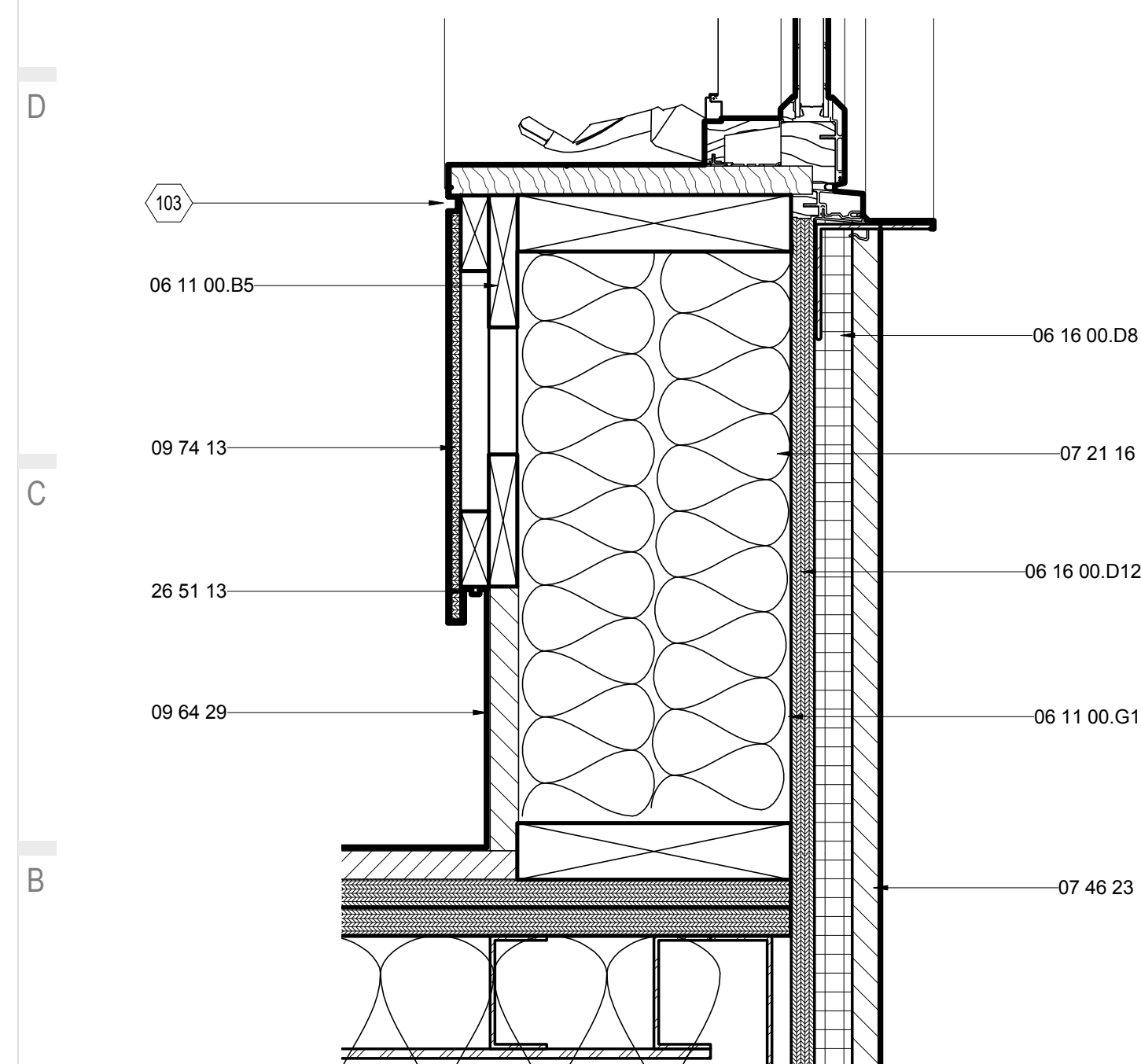
E1 TYP. WINDOW HEAD DETAIL @ HOUSE 2
3" = 1'-0"



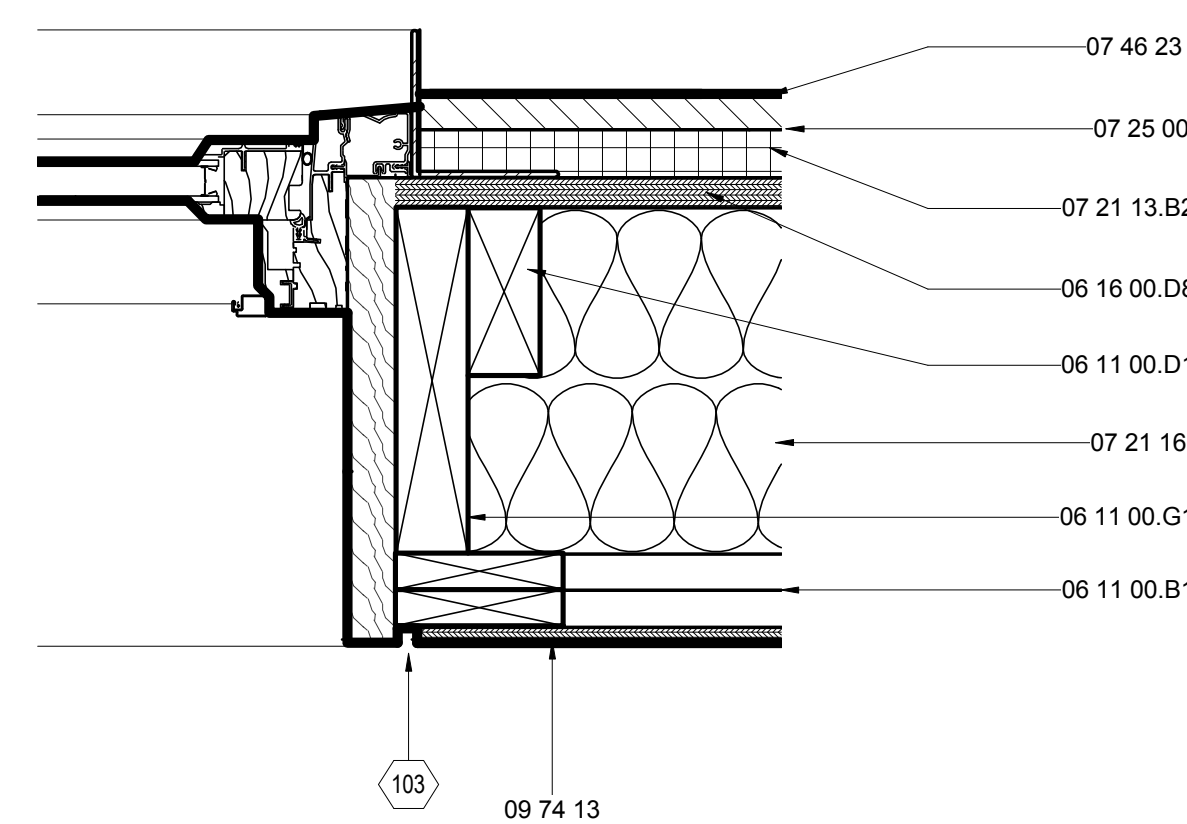
E4 TYP. WINDOW JAMB DETAIL @ FLEX
3" = 1'-0"



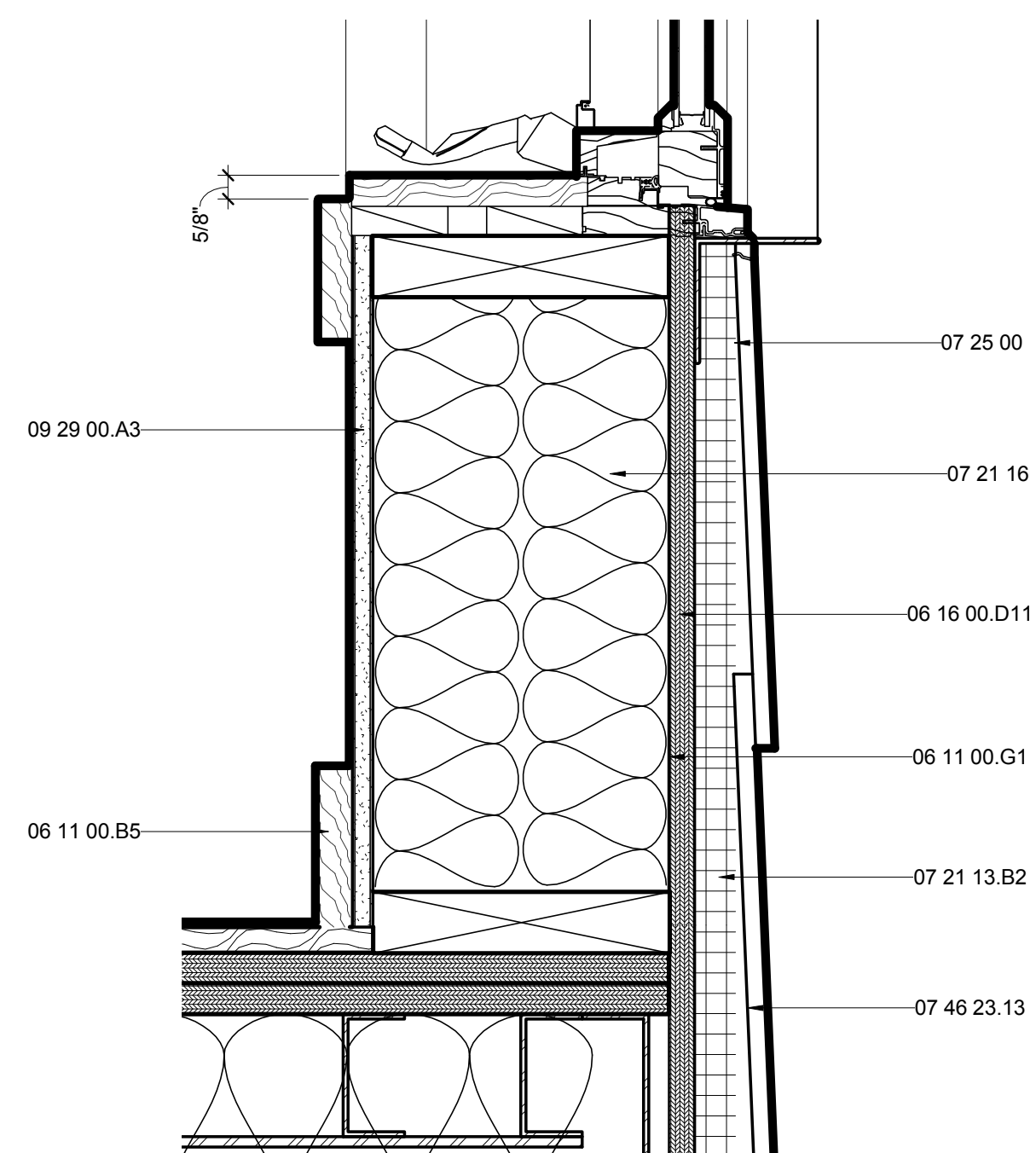
E7 TYP. WINDOW HEAD DETAIL @ FLEX
3" = 1'-0"



A1 TYP. WINDOW SILL DETAIL @ HOUSE
3" = 1'-0"



A4 TYP. WINDOW JAMB DETAIL @ HOUSE
3" = 1'-0"



A7 TYP. WINDOW SILL DETAIL @ FLEX
3" = 1'-0"

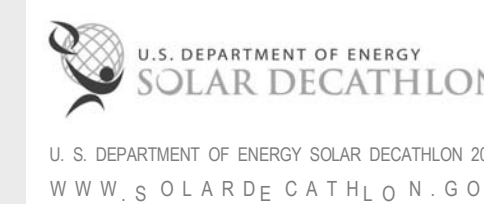


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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SHEET TITLE:
EXTERIOR DOOR DETAILS

SHEET NUMBER:

A-542

GENERAL SHEET NOTES

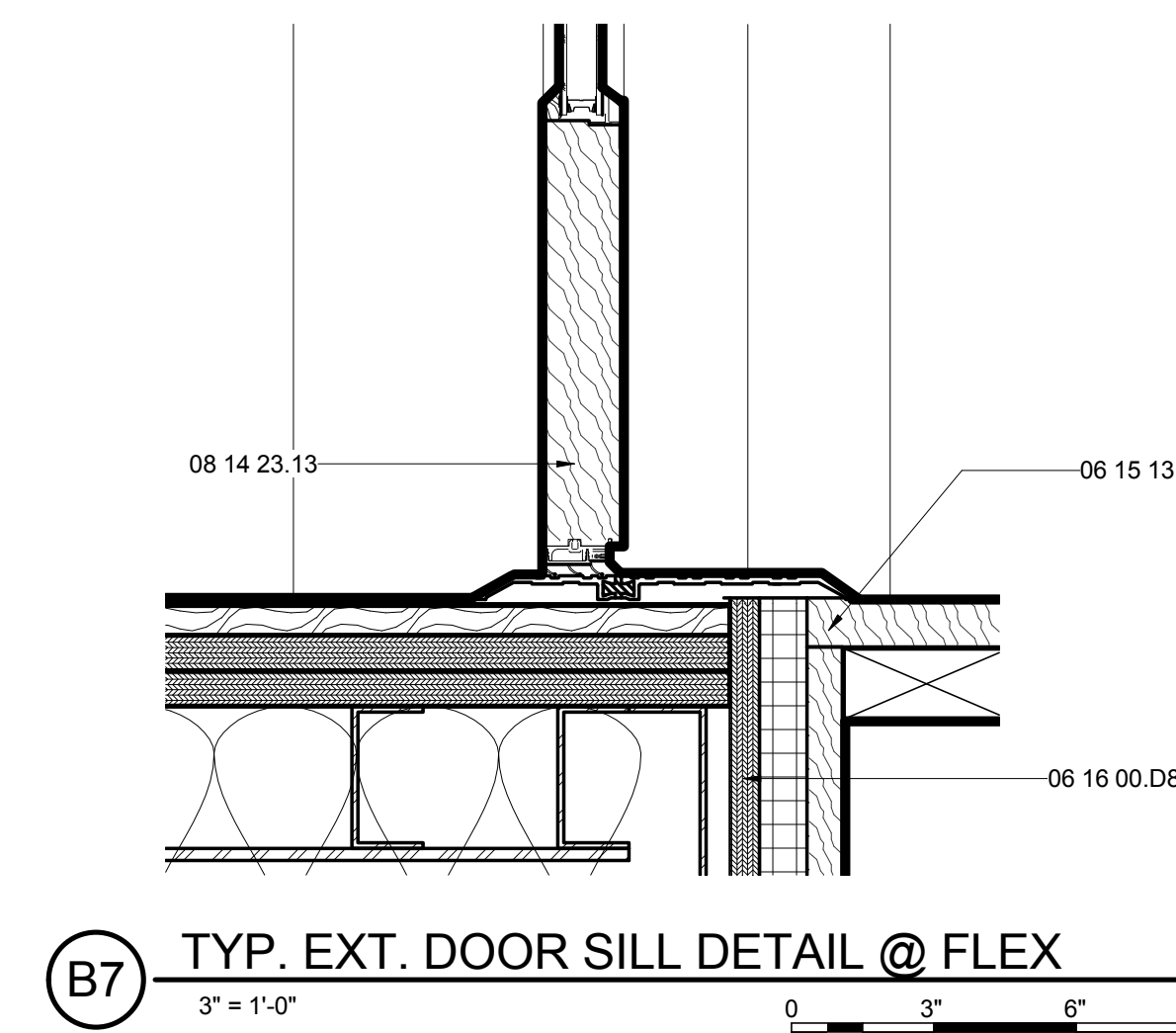
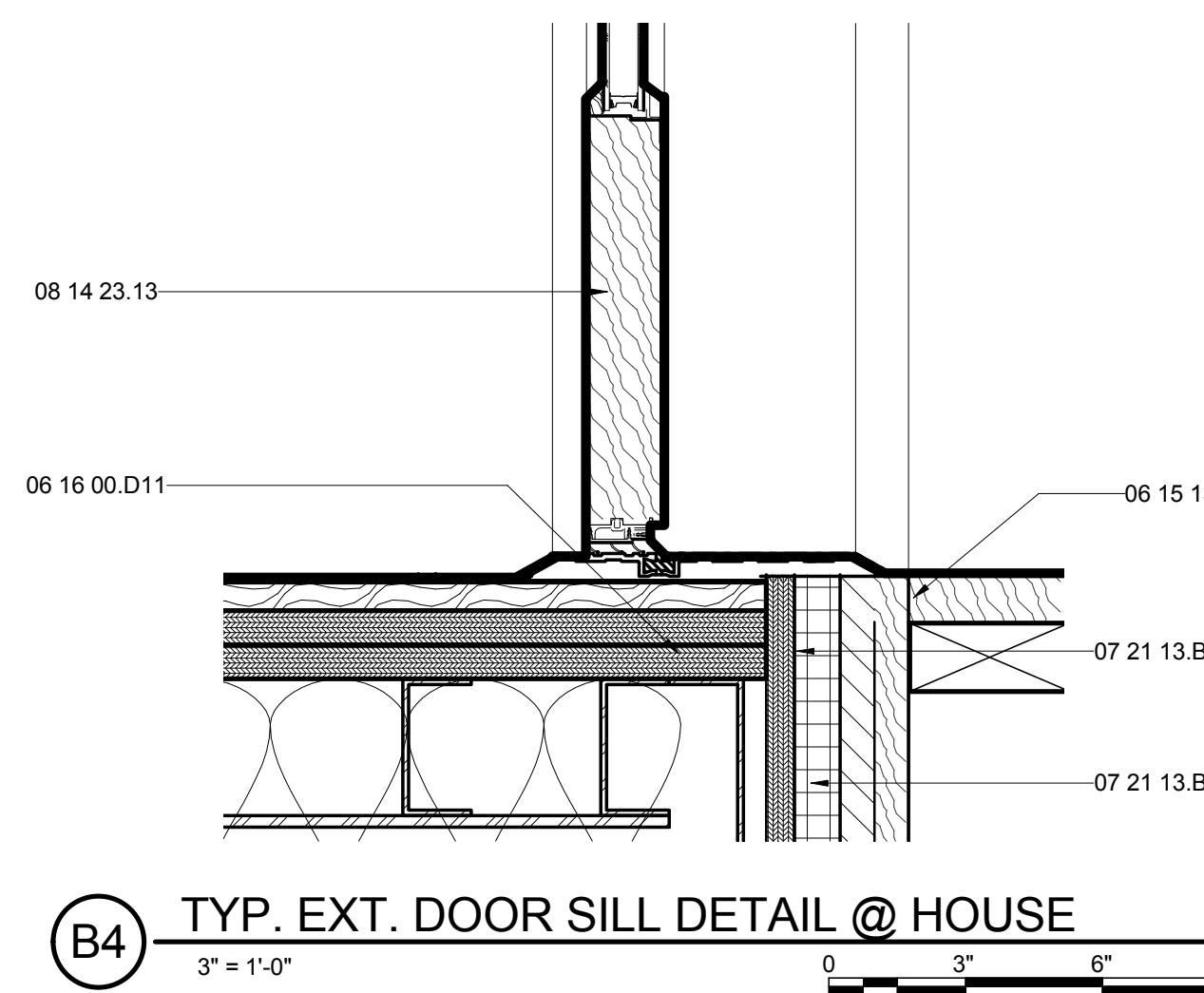
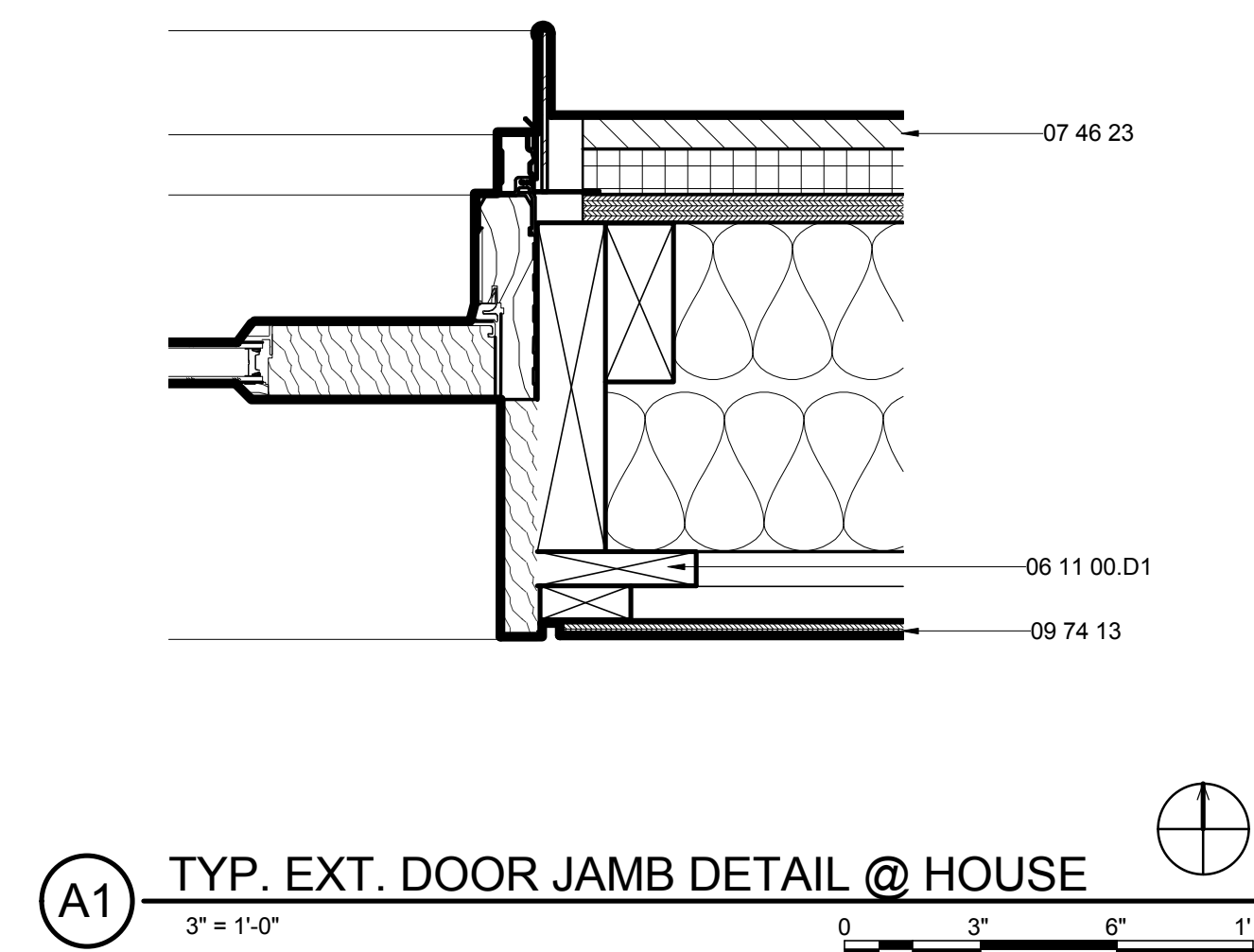
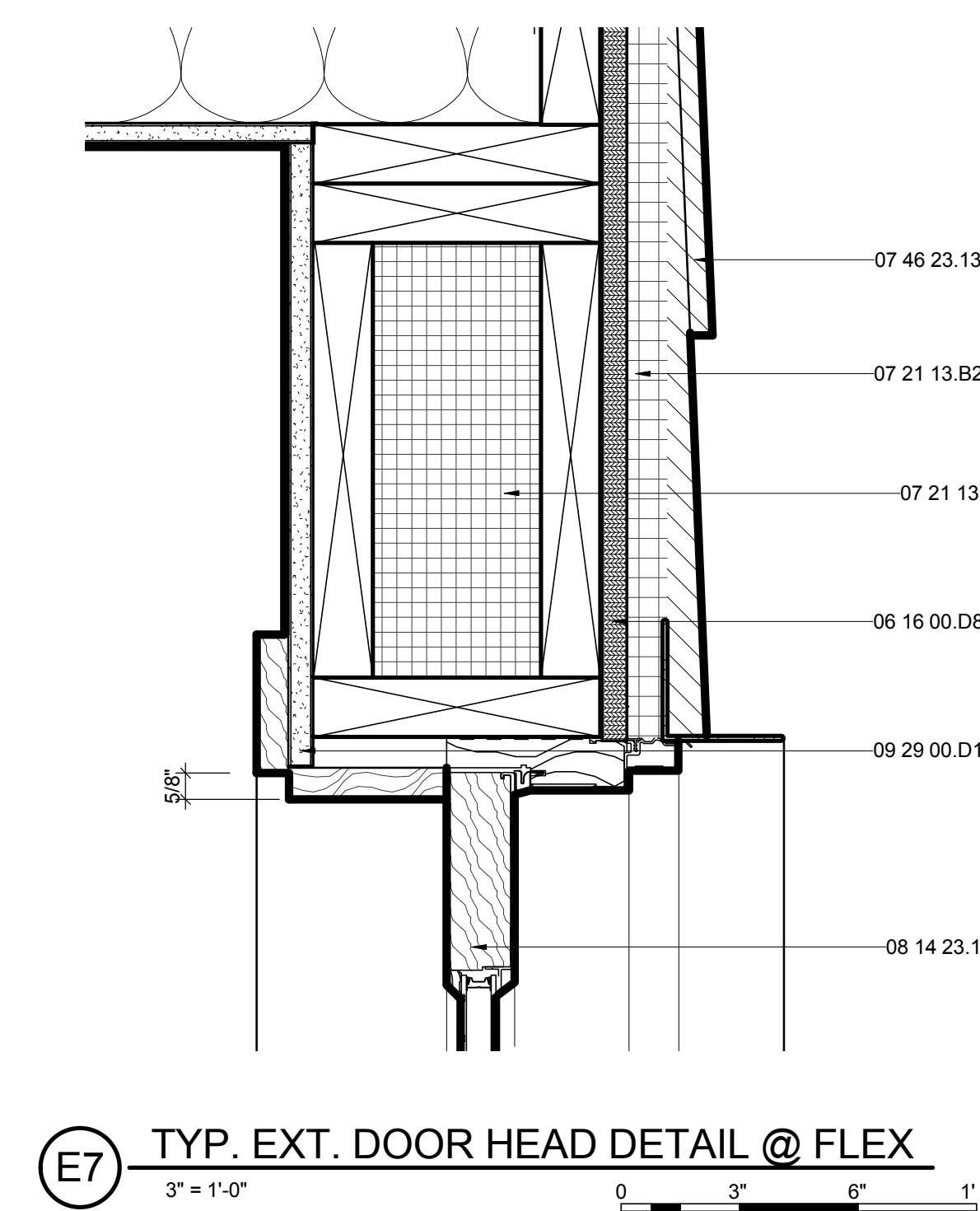
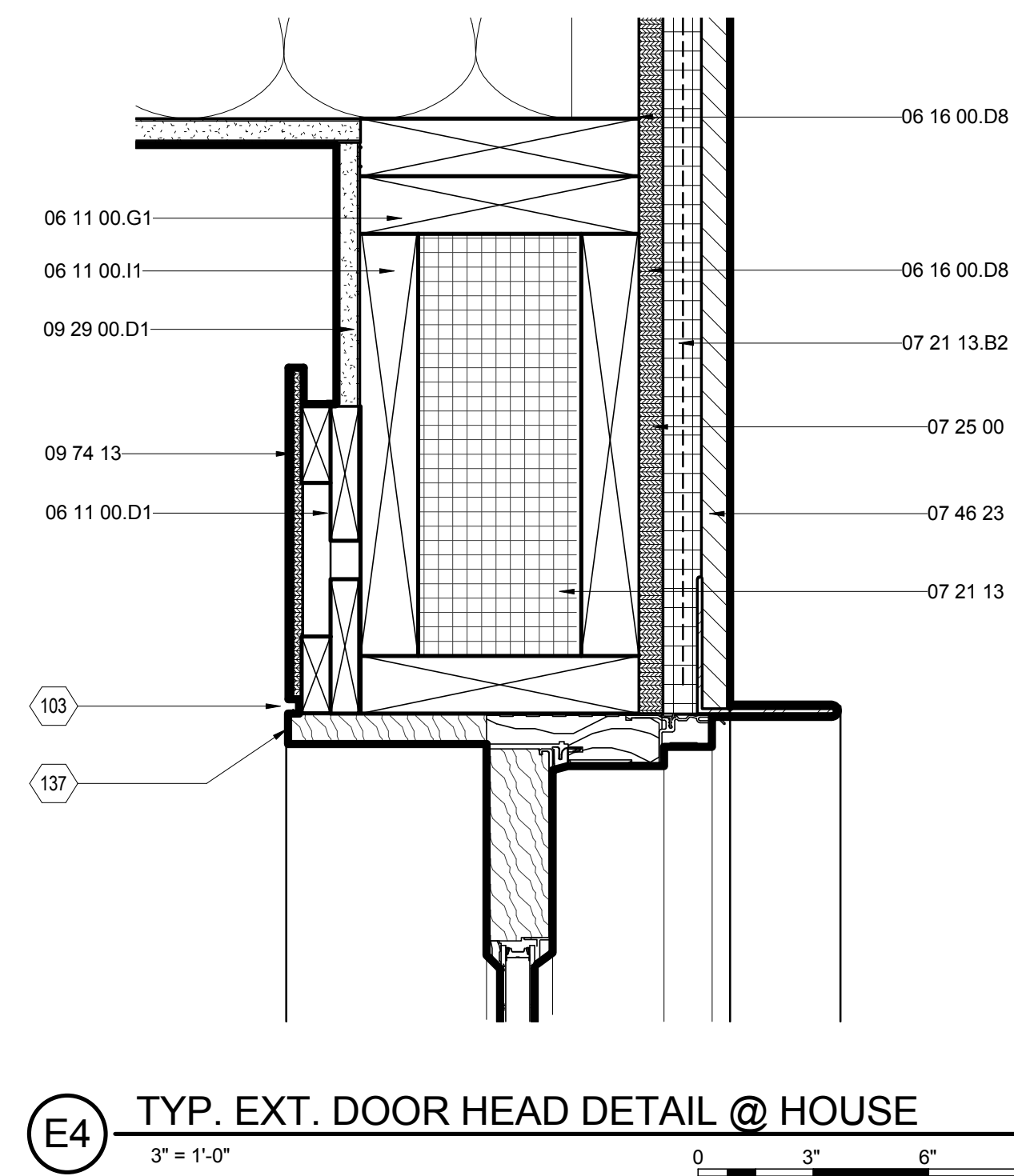
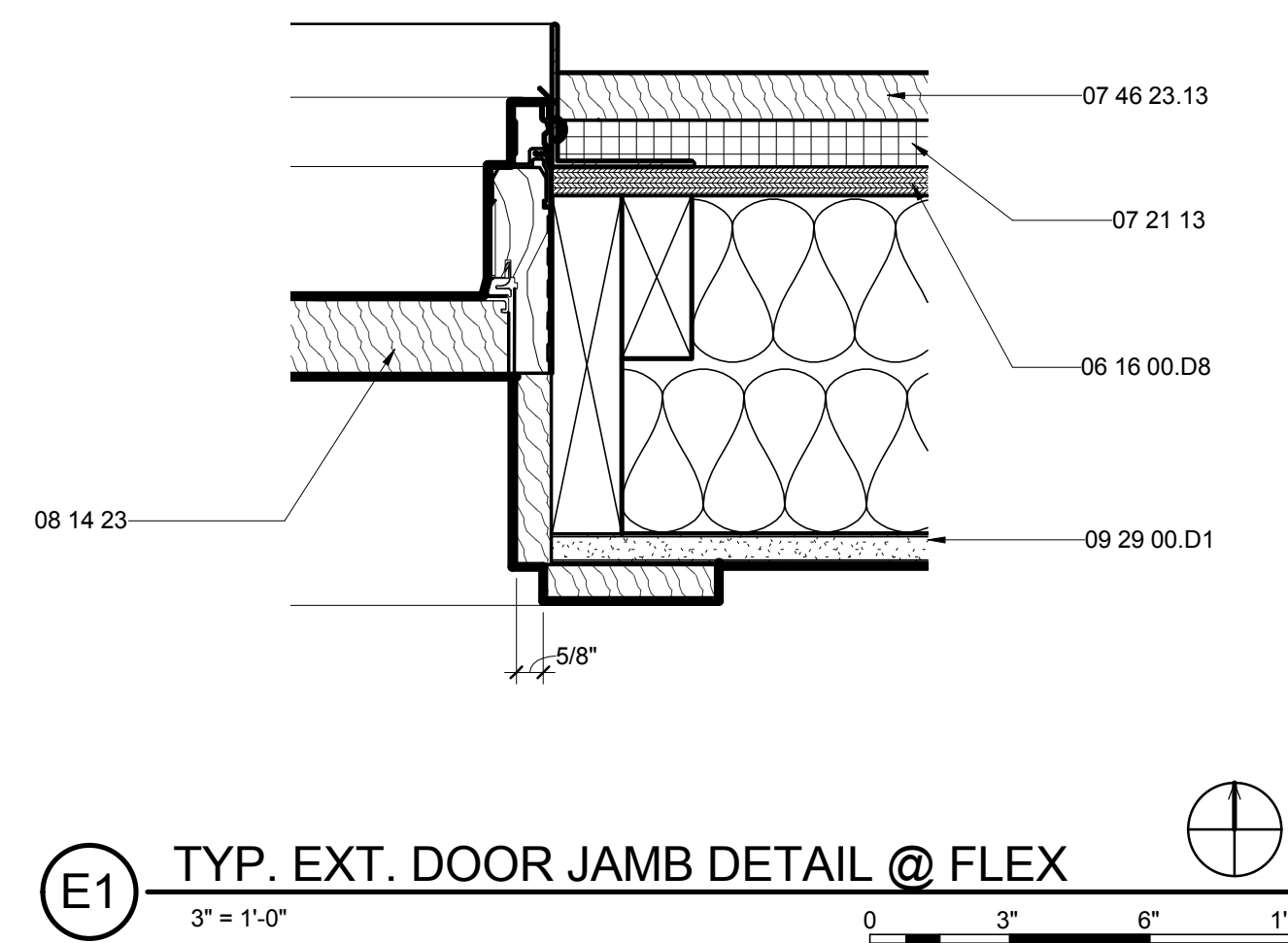
REFERENCE KEYNOTES

06 11 00.D1	2X4
06 11 00.G1	2X8
06 11 00.I1	2X12
06 15 13	WOOD FLOOR DECKING
06 16 00.D8	5/8" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 21 13	BOARD INSULATION
07 21 13.B2	1" RIGID INSULATION
07 25 00	WEATHER BARRIERS
07 46 23	WOOD SIDING
07 46 23.13	WOOD BARK SHINGLE SIDING
08 14 23	CLAD WOOD DOORS
08 14 23.13	METAL-FACED WOOD DOORS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 74 13	WOOD WALL COVERINGS

SHEET KEYNOTES

103	3/8" REVEAL
137	CUSTOM JAMB EXTENSION

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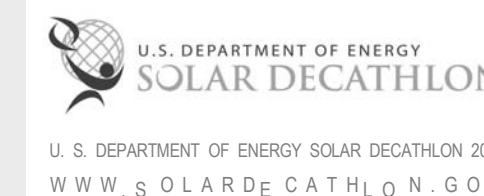


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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SHEET TITLE:
INTERIOR DOOR JAMB DETAILS

SHEET NUMBER:

A-543

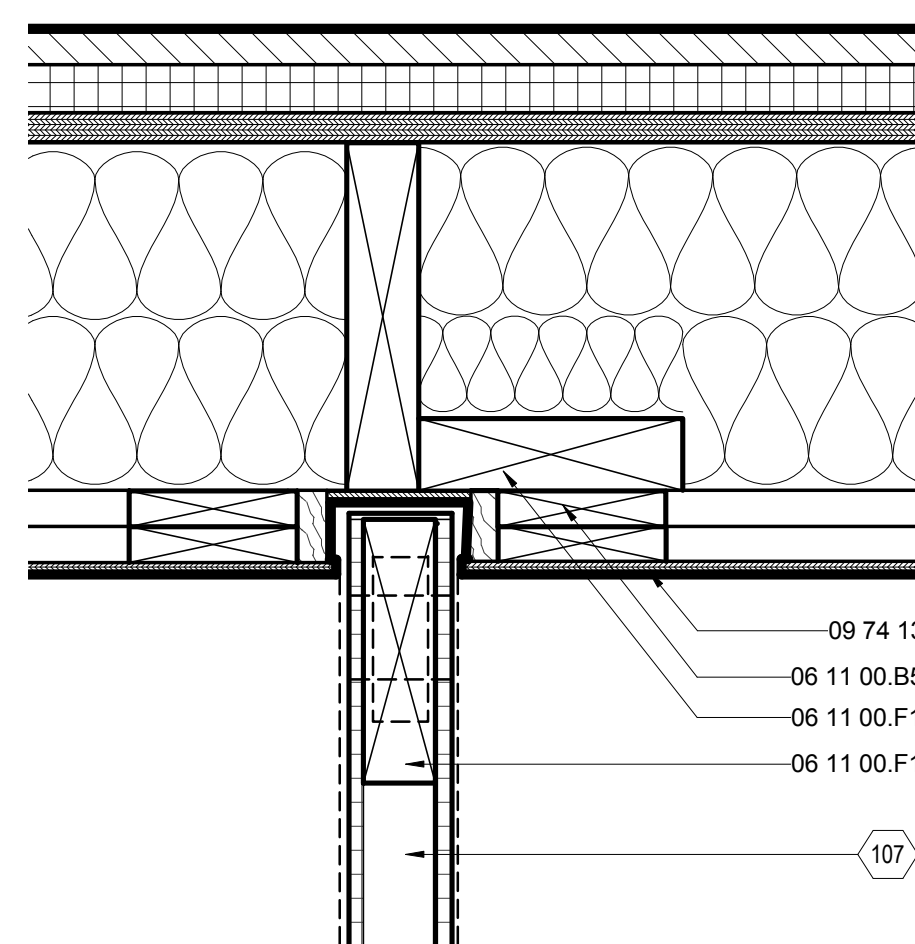
GENERAL SHEET NOTES

REFERENCE KEYNOTES

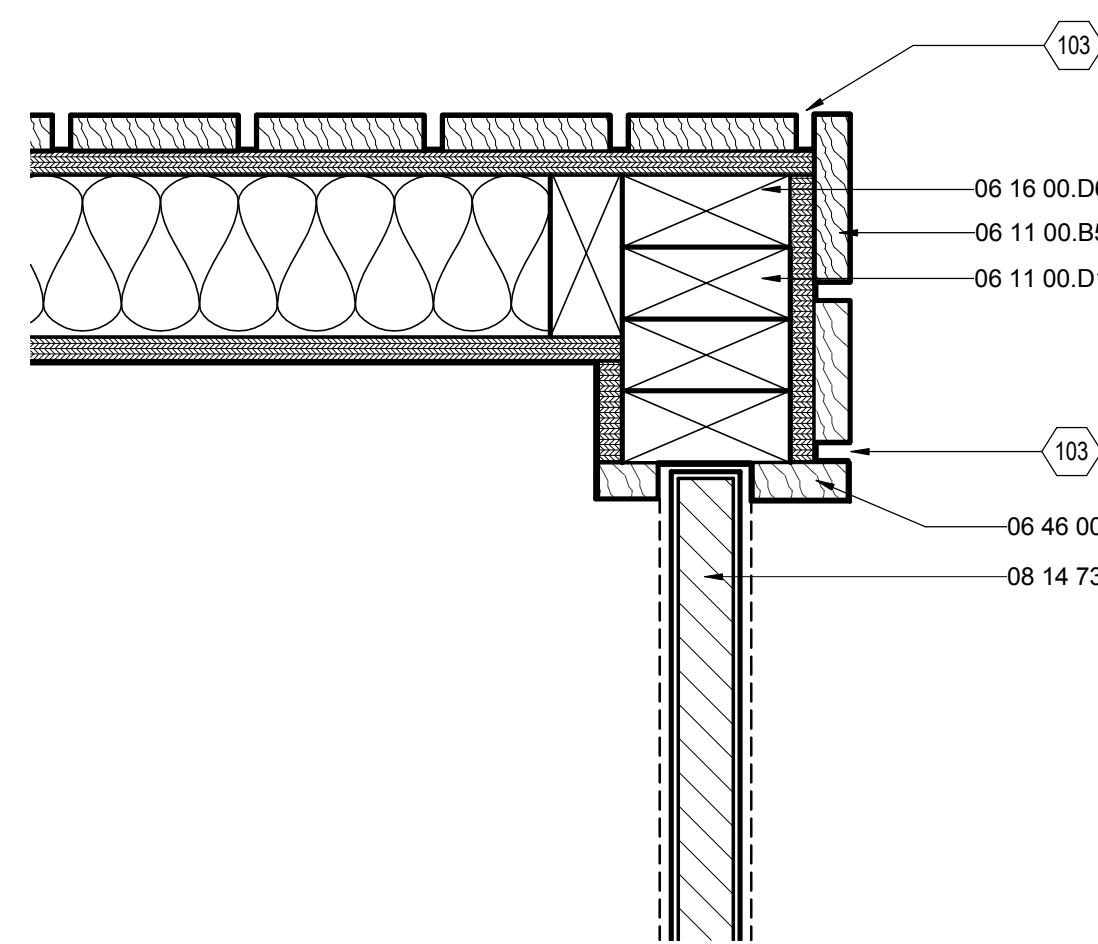
05 50 00	METAL FABRICATIONS
06 11 00.B5	1X4
06 11 00.D1	2X4
06 11 00.D3	2X4 FRAMING
06 11 00.F1	2X6
06 16 00.A3	1/2" GYPSUM SHEATHING
06 16 00.C3	1/2" PARTICLEBOARD
06 16 00.D3	1/4" PLYWOOD
06 16 00.D6	1/2" PLYWOOD
06 46 00	WOOD TRIM
06 64 00	PLASTIC PANELING
07 46 19	STEEL SIDING
07 46 19.A1	1/2" CORRUGATED STEEL - 26 GA
07 46 19.B1	1" J CHANNEL
08 14 73	SLIDING WOOD DOORS
09 29 00.C3	1/2" SOUNDPROOF GYPSUM BOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS

SHEET KEYNOTES

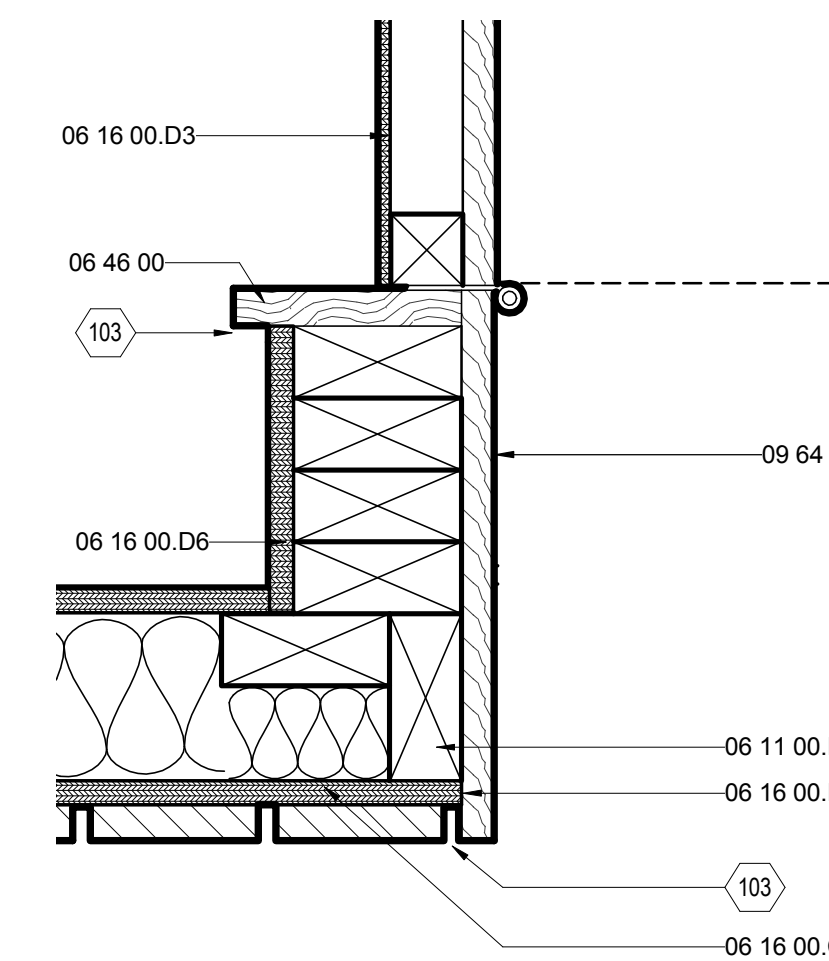
103	3/8" REVEAL
107	POLYCARBONATE POCKET DOOR
129	NEW KEYNOTE
130	
134	1/4" GAP
135	1" WOOD TRIM



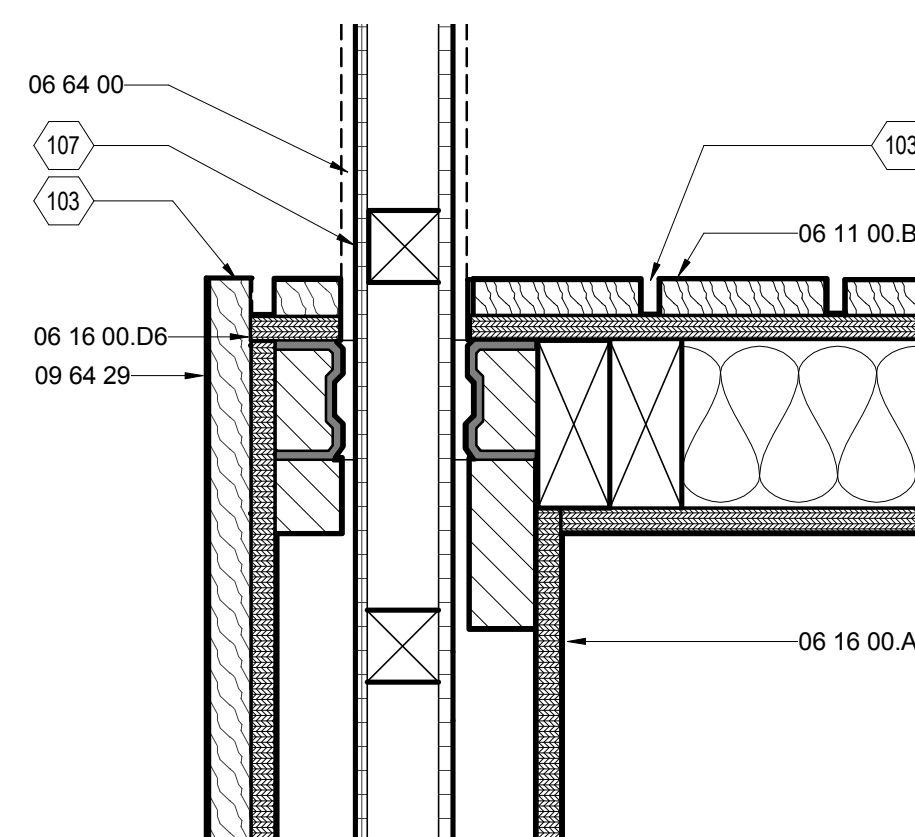
F2 BEDROOM DOOR JAMB STOP
3" = 1'-0"
0 3" 6" 1'



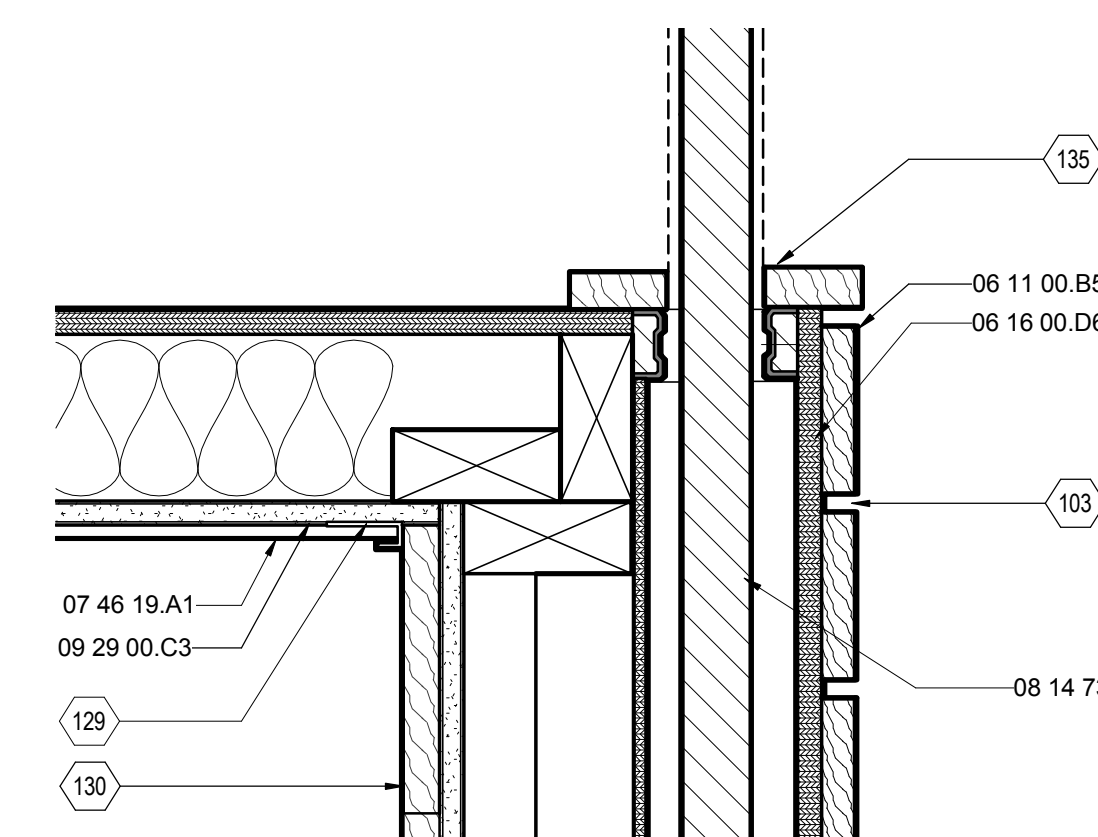
F5 BEDROOM CLOSET JAMB STOP
3" = 1'-0"
0 3" 6" 1'



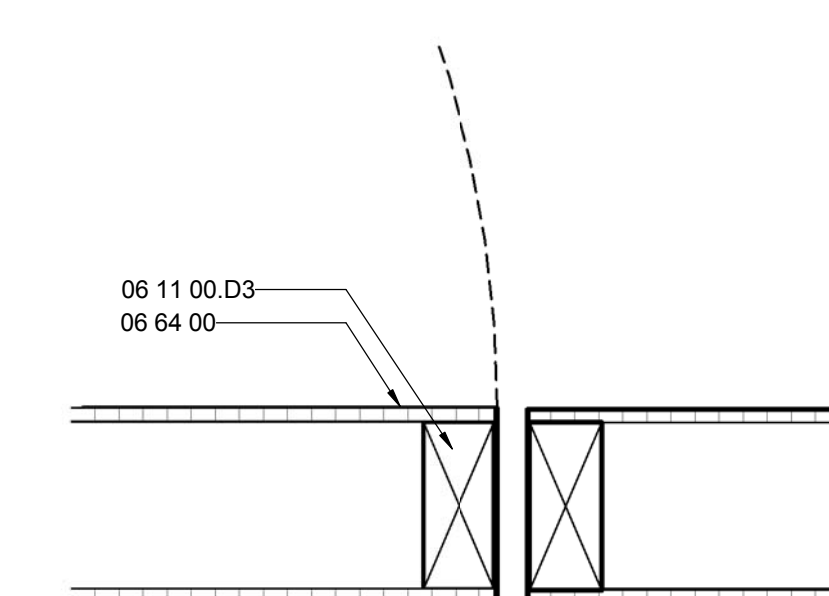
F8 HALL CLOSET JAMB
3" = 1'-0"
0 3" 6" 1'



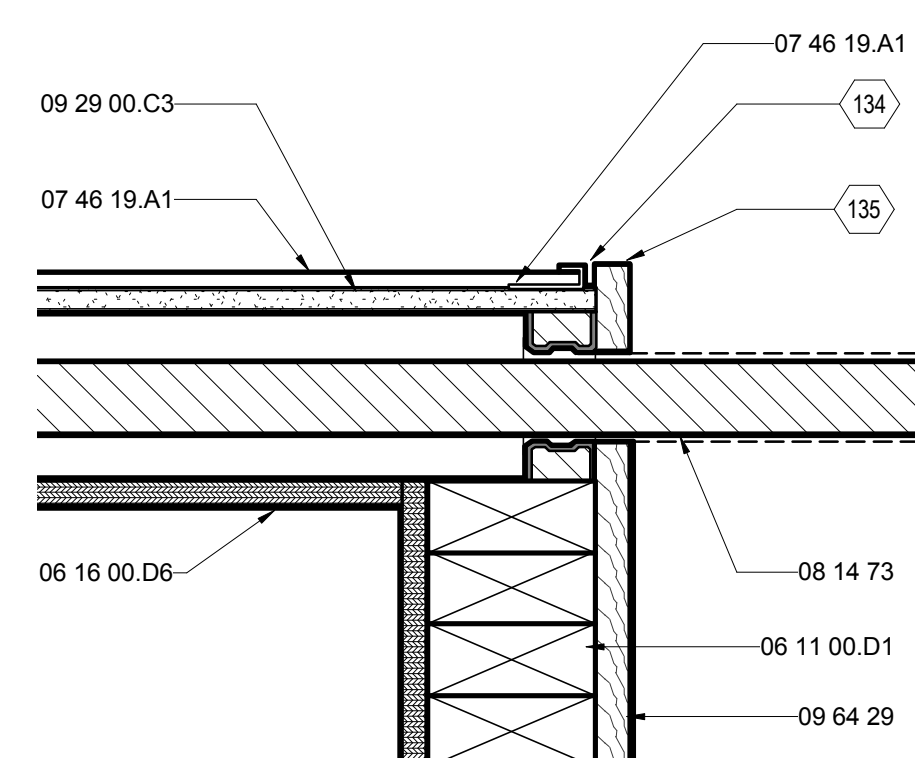
C2 BEDROOM DOOR JAMB
3" = 1'-0"
0 3" 6" 1'



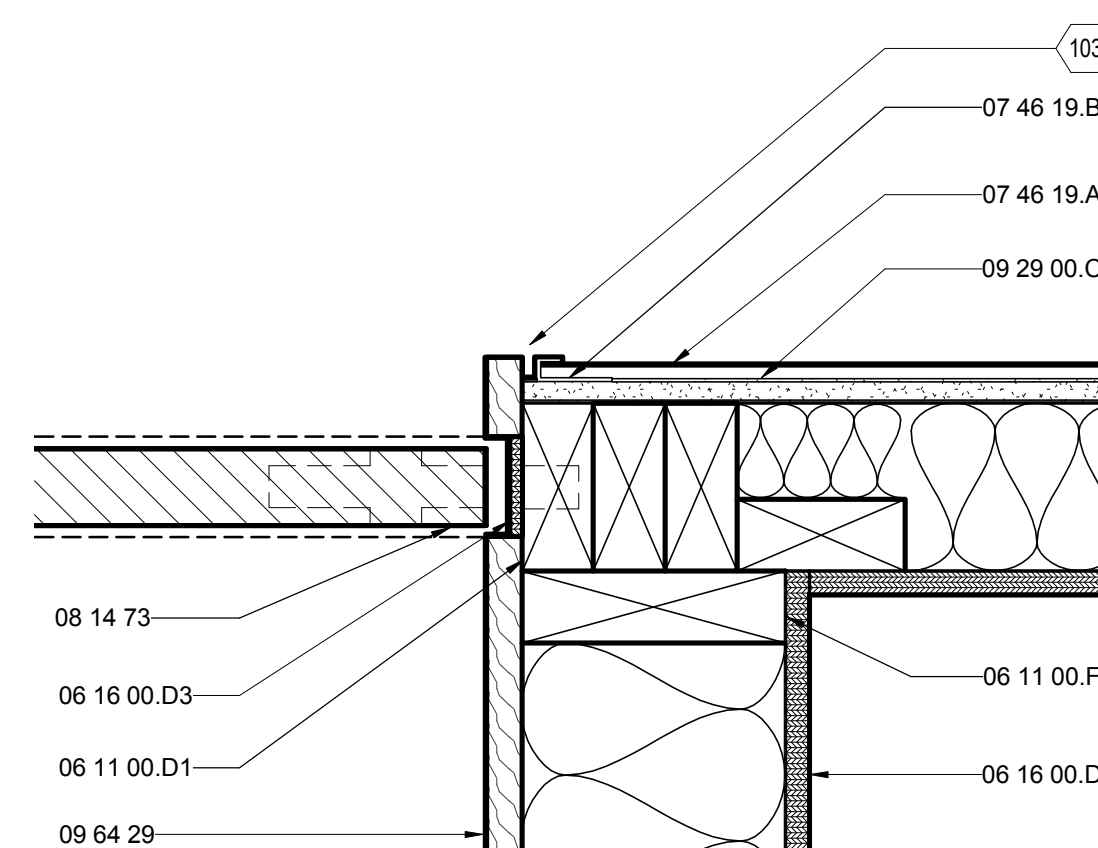
C5 BEDROOM CLOSET JAMB
3" = 1'-0"
0 3" 6" 1'



C8 FLEX BATHROOM DOOR JAMB
3" = 1'-0"
0 3" 6" 1'



A2 BATHROOM DOOR JAMB
3" = 1'-0"
0 3" 6" 1'



A5 BATHROOM DOOR JAMB STOP
3" = 1'-0"
0 3" 6" 1'

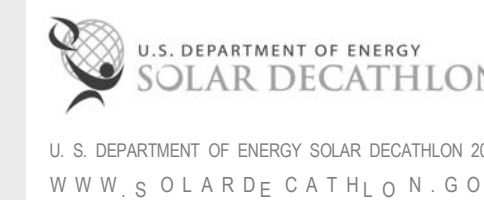


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LOT #: 205 | APPST
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CHECKED BY: KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
INTERIOR DOOR HEAD DETAILS

SHEET NUMBER:

A-544

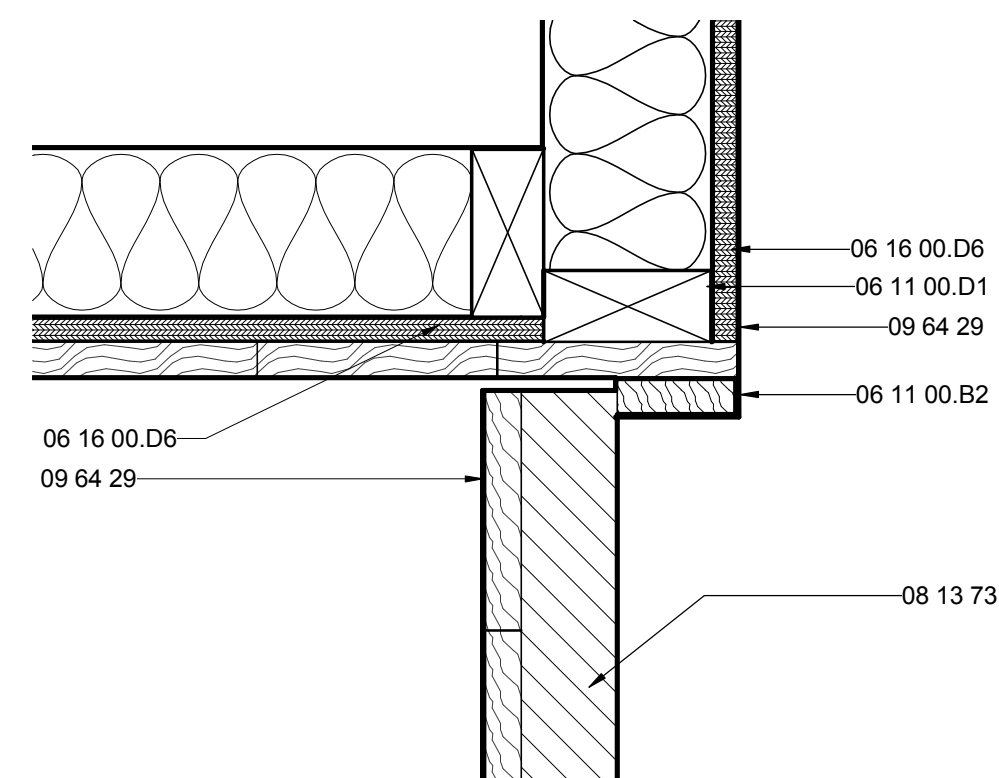
GENERAL SHEET NOTES

REFERENCE KEYNOTES

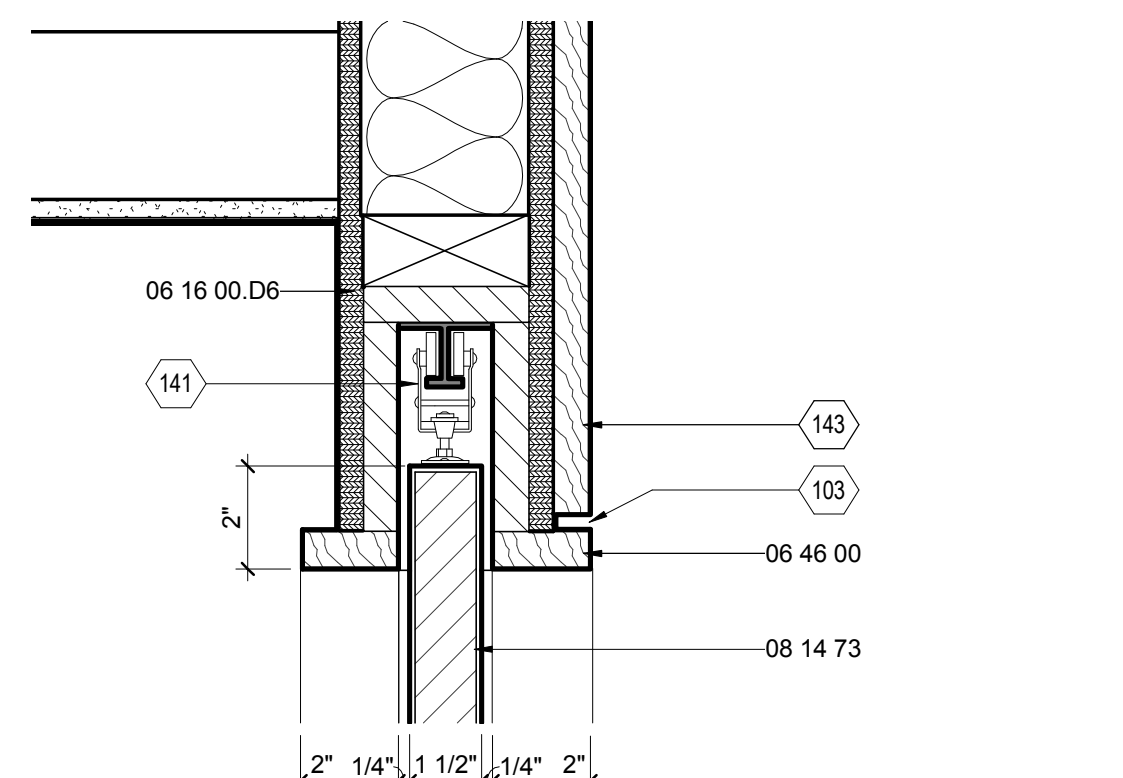
06 11 00.B2	1X2
06 11 00.D1	2X4
06 16 00.D6	1/2" PLYWOOD
06 46 00	WOOD TRIM
06 64 00	PLASTIC PANELING
07 46 19.A1	1/2" CORRUGATED STEEL - 26 GA
07 46 19.B1	1" J CHANNEL
08 13 73	SLIDING METAL DOORS
08 14 73	SLIDING WOOD DOORS
08 71 00	DOOR HARDWARE
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING

SHEET KEYNOTES

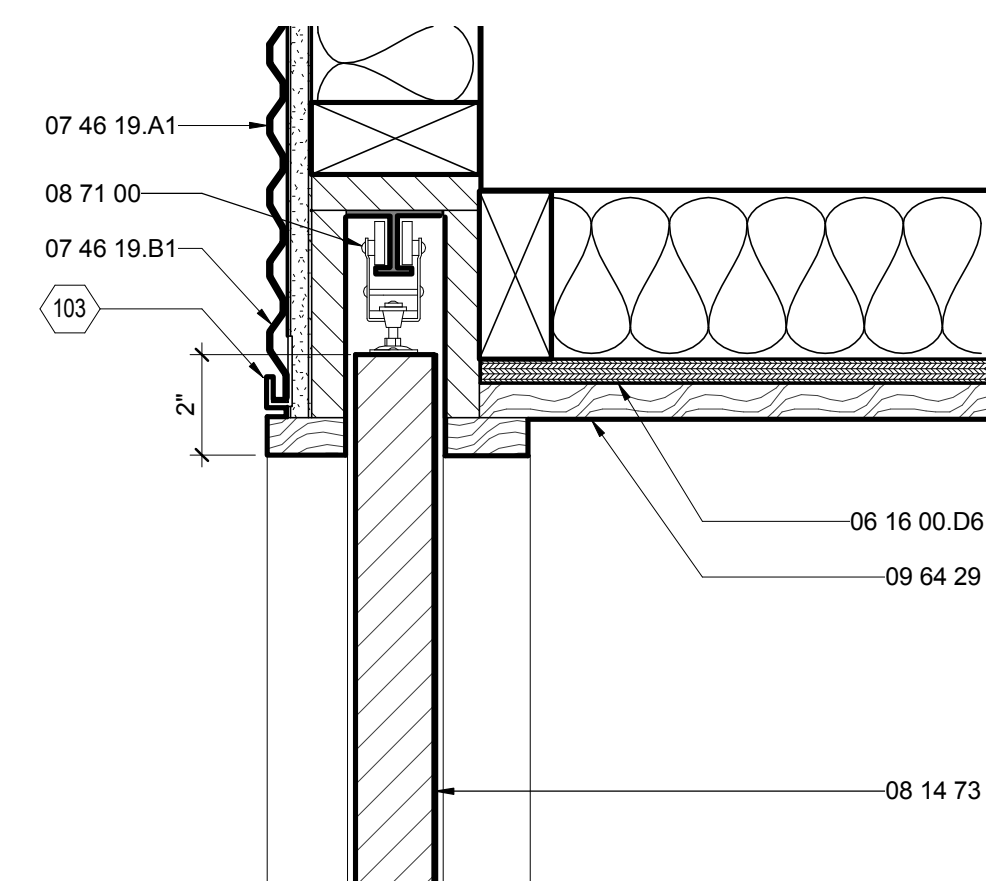
103	3/8" REVEAL
104	LIGHTING IN WALL
107	POLYCARBONATE POCKET DOOR
140	1 1/2" DIA. HOLE TO ALLOW LIGHT FROM ABOVE
141	POCKET DOOR TRACK
143	1" x 4" W/ 3/8" GAPS
366	ALUMINUM ANGLE GROUNDING ELECTRODE - ROD SHALL BE EXACTLY 8 FEET



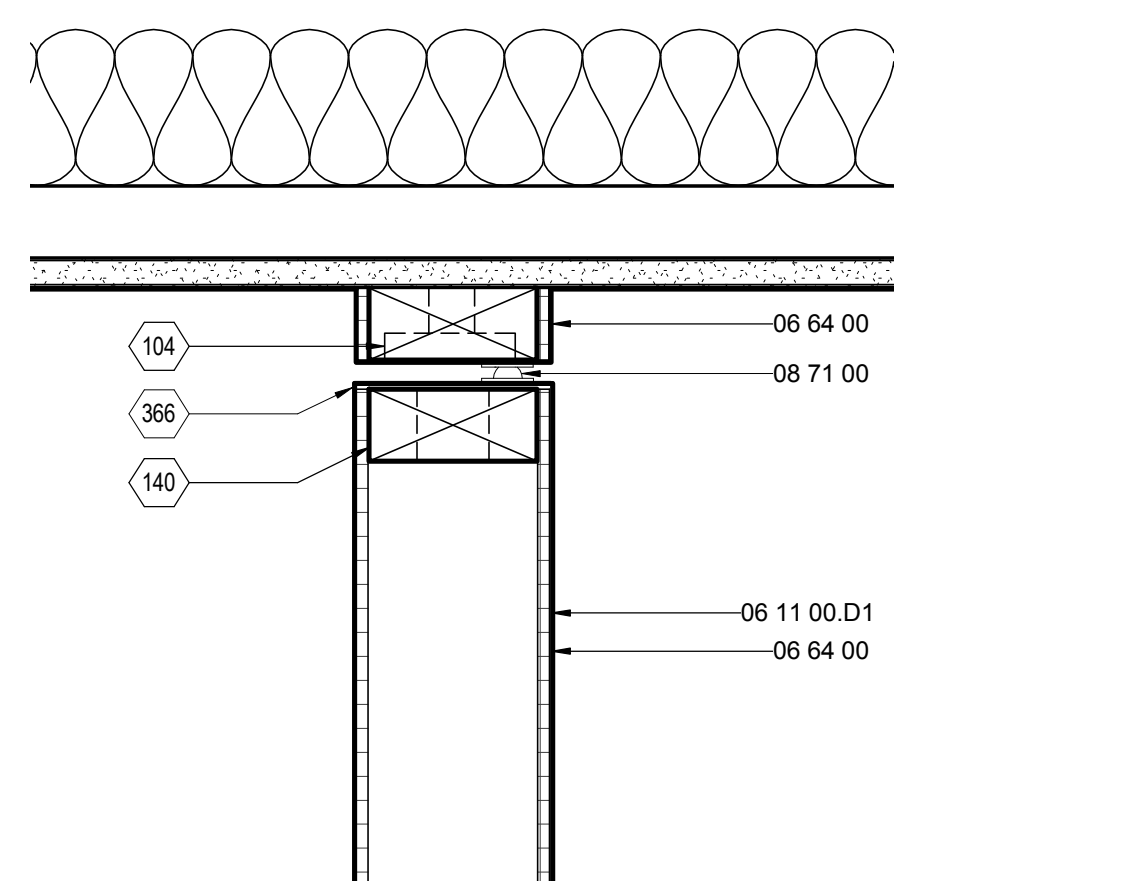
F3 HALL CLOSET DOOR HEAD DETAIL
3" = 1'-0"



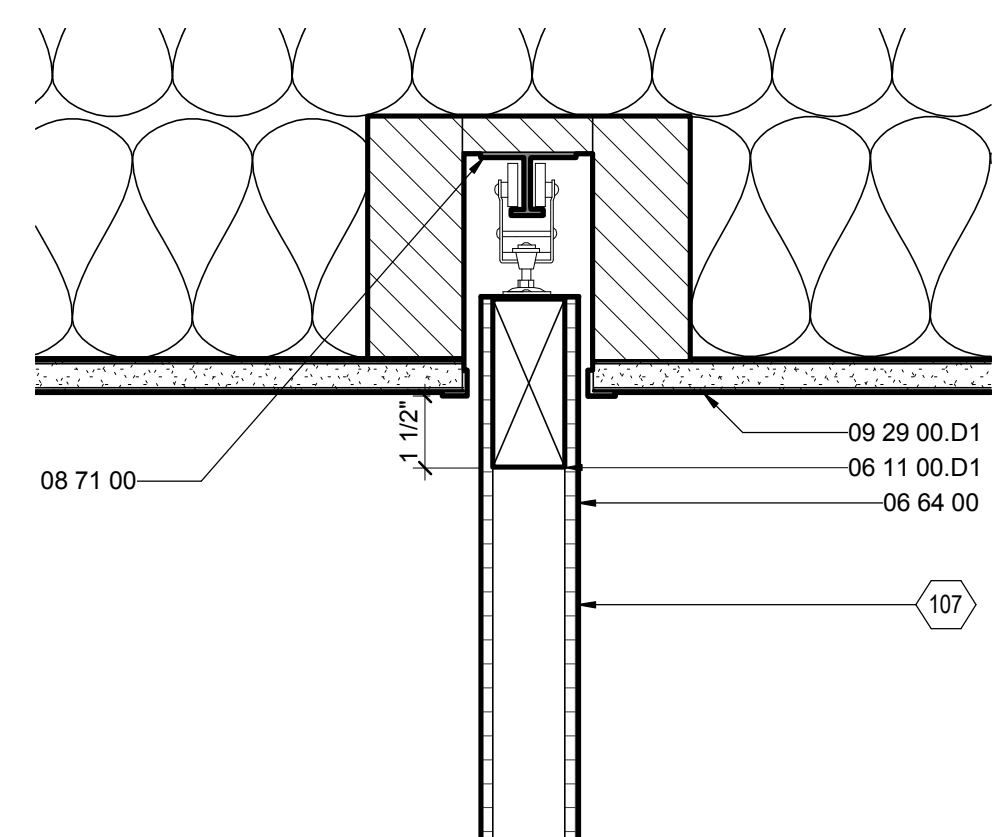
F6 BEDROOM CLOSET DOOR HEAD DETAIL
3" = 1'-0"



D3 BATHROOM DOOR HEAD DETAIL
3" = 1'-0"



D6 FLEX BATHROOM DOOR HEAD DETAIL
3" = 1'-0"



A3 BEDROOM DOOR HEAD DETAIL
3" = 1'-0"



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:

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MARK - DATE - DESCRIPTION

SHEET TITLE:

WALL TYPES

SHEET NUMBER:

A-601

GENERAL SHEET NOTES

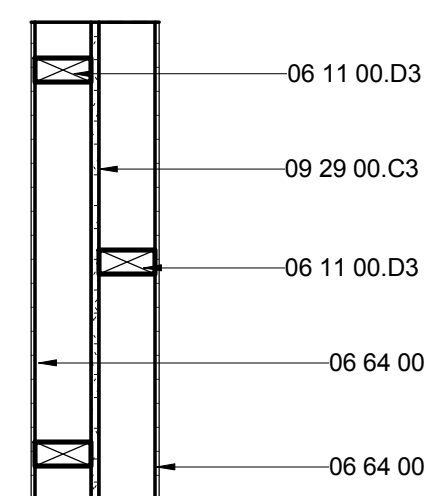
REFERENCE KEYNOTES

06 11 00.B4	1X3 NAILER
06 11 00.B5	1X4
06 11 00.D1	2X4
06 11 00.D3	2X4 FRAMING
06 11 00.F1	2X6
06 11 00.F4	2X6 FRAMING @ 16" O.C.
06 16 00.C5	3/4" PARTICLEBOARD
06 16 00.D6	1/2" PLYWOOD
06 16 00.D8	5/8" PLYWOOD
06 16 53	MOISTURE-RESISTANT SHEATHING BOARD
06 64 00	PLASTIC PANELING
07 46 19.A1	1/2" CORRUGATED STEEL - 26 GA
09 29 00.C3	1/2" SOUNDPROOF GYPSUM BOARD
09 62 00	SPECIALTY FLOORING
09 64 29	WOOD STRIP AND PLANK FLOORING
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

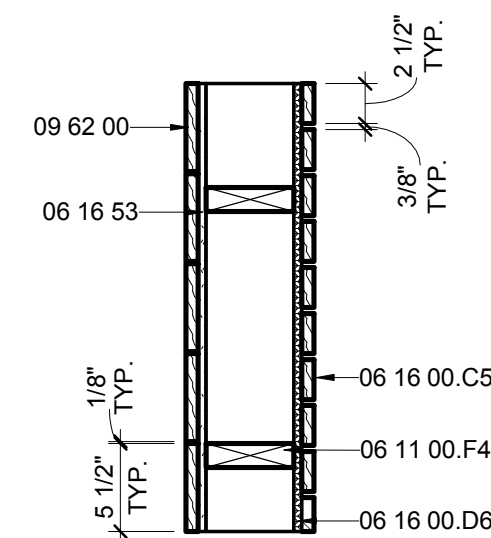
SHEET KEYNOTES

PARTITION TYPES				
MARK	DESCRIPTION	PLUMBING YN	COMMENTS	DETAIL
1	BEDROOM SEPERATION		DIMMABLE LIGHT WALL	G1
2	BEDROOM CORE WALL		LOCATED ON BEDROOM MODULE SIDE OF MODULE MATCHLINE B	G4
3	CORE WALLS		LOCATED ON CORE MODULE	G6
4	KITCHEN WING WALLS		LOCATED BETWEEN CORE AND KITCHEN	G8
5	WEST PORTAL WALLS			E1
6	EAST PORTAL WALLS		SOUTH INSTANCE SERVES AS RETURN DUCT	E4
7	SHOWER CLOSET WALL			E6
8	CLOSET KITCHEN WALLS	YES		E8
9	SHOWER KITCHEN WALLS	YES	FURRED OUT 1" ON KITCHEN SIDE	B1
10	FLEX LIGHT WALL		DIMMABLE LIGHT WALL	B4

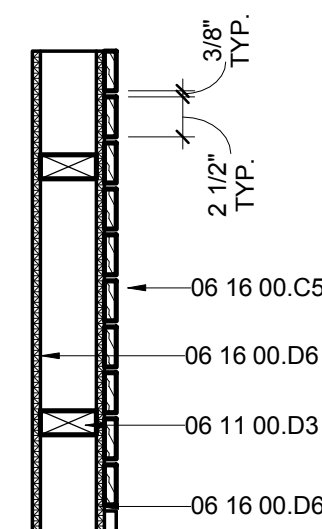
G



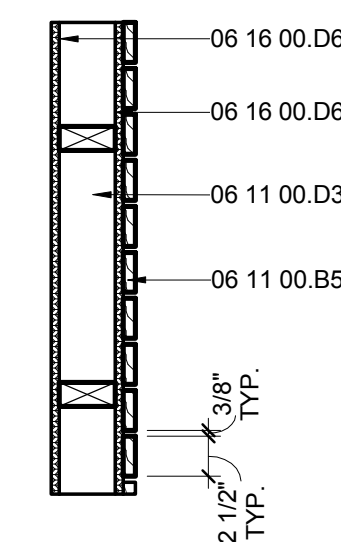
G1 PARTITION TYPE 1
1" = 1'-0" 0 1/2' 1' 2'



G4 PARTITION TYPE 2
1" = 1'-0" 0 1/2' 1' 2'

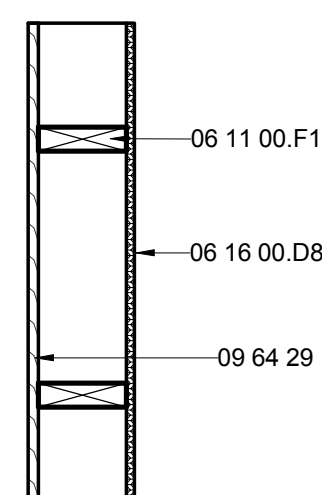


G6 PARTITION TYPE 3
1" = 1'-0" 0 1/2' 1' 2'

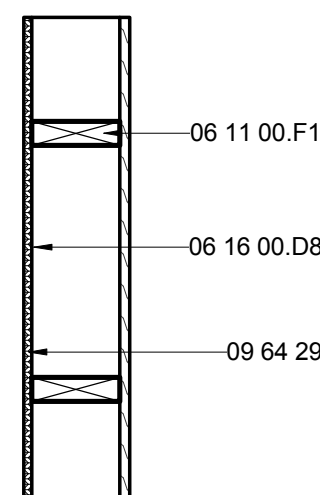


G8 PARTITION TYPE 4
1" = 1'-0" 0 1/2' 1' 2'

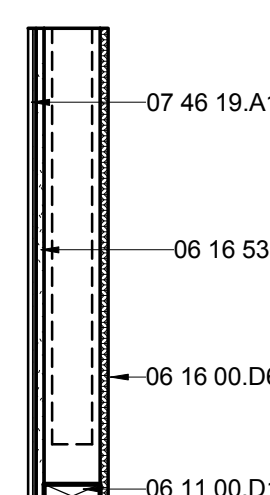
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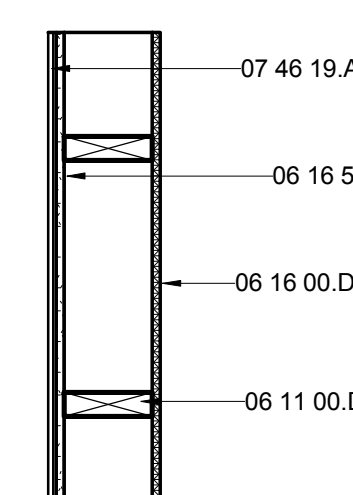
E1 PARTITION TYPE 5
1" = 1'-0" 0 1/2' 1' 2'



E4 PARTITION TYPE 6
1" = 1'-0" 0 1/2' 1' 2'



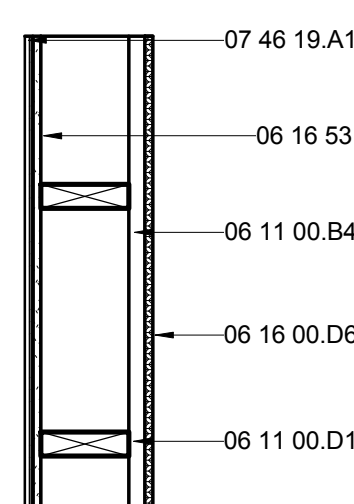
E6 PARTITION TYPE 7
1" = 1'-0" 0 1/2' 1' 2'



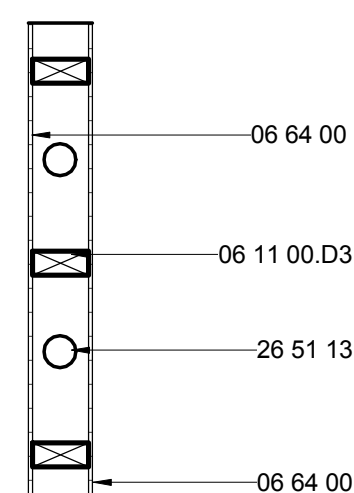
E8 PARTITION TYPE 8
1" = 1'-0" 0 1/2' 1' 2'

E

D



B1 PARTITION TYPE 9
1" = 1'-0" 0 1/2' 1' 2'



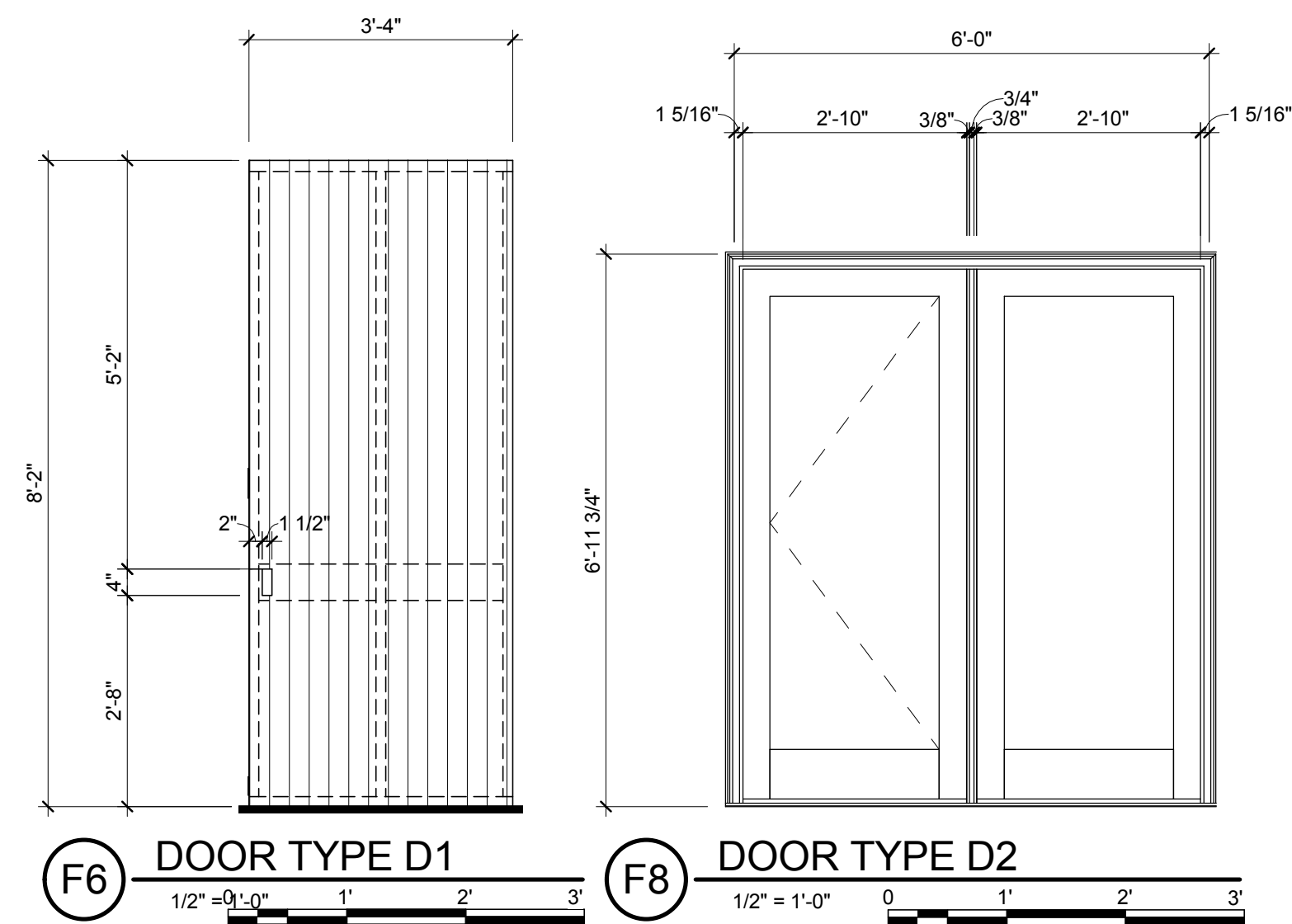
B4 PARTITION TYPE 10
1" = 1'-0" 0 1/2' 1' 2'

C

B

A

MARK	LOCATION	DOOR TYPE	DOOR						FRAME					HARDWARE SET
			WIDTH	SIZE		MATERIAL	GLAZING	TEMPERED	MATERIAL	DETAILS				
				HEIGHT	THICKNESS					HEAD	JAMB	SILL		
D1	BEDROOM INT	D1 POCKET	3'-4"	8'-2"	2"	POLYCARBONATE	-	-	-	A3/A525	C2/A525	-	A	
D1	MASTER BED INT	D1 POCKET	3'-4"	8'-2"	2'-0"	POLYCARBONATE	-	-	-	A3/A525	C2/A525	-	A	
D2	LIVING ROOM EXT	D2 SWING	6'-0"	6'-10 1/2"	1 3/4"	WD	FULL	YES	WD	A1/A524	A1/A524	A7/A524	E	
D2	MASTER BED EXT	D2 SWING	6'-0"	6'-10 1/2"	1'-9"	WD	FULL	YES	WD	A1/A524	A1/A524	A7/A524	E	
D3	LIVING ROOM EXT	B2 SWING	3'-0"	6'-10 1/2"	1 3/4"	WD	FULL	YES	WD	A1/A524	A1/A524	A7/A524	E	
D3	BEDROOM EXT	B2 SWING	3'-0"	6'-10 1/2"	1 3/4"	WD	FULL	YES	WD	A1/A524	A1/A524	A7/A524	E	
D4	OM DOORS	B3 SWING	2'-9"	6'-10 1/2"	3"	DECKING	-	-	WD	E6/A509	E4/A509	-	C	
D4	OM DOORS	B3 SWING	2'-9"	6'-10 1/2"	3"	DECKING	-	-	WD	E7/A510	E6/A509	-	C	
D4	OM DOORS	B3 SWING	2'-9"	6'-10 1/2"	3"	DECKING	-	-	WD	E7/A510	E6/A509	-	C	
D5	FLEX EXT	D5 SWING	6'-0"	6'-10 1/2"	1 3/4"	WOOD	FULL	YES	WD	E4/A524	E1/A524	E7/A524	E	
D6	BEDROOM CLOSET	B6 POCKET	3'-0"	8'-1 1/4"	1 3/8"	WD	-	-	WD	F6/A525	C5/A525	-	A	
D6	MASTER BED CLOSET	B6 POCKET	3'-0"	8'-1 1/4"	1 3/8"	WD	-	-	WD	F6/A525	C5/A525	-	A	
D7	BATHROOM SOUTH	A1 POCKET	3'-0"	6'-10 1/2"	1 3/8"	WD	-	-	WD	D3/A525	A2/A525	-	A	
D7	BATHROOM NORTH	A1 POCKET	3'-0"	6'-10 1/2"	1 3/8"	WD	-	-	WD	D3/A525	A2/A525	-	A	
D8	FLEX BATHROOM	SWING	3'-0"	7'-11 1/4"	4"	POLYCARBONATE	-	-	WD	D6/A525	C8/A525	-	B	
D10	MECHANICAL CLOSET	A3 SWING	3'-0"	7'-0"	2 1/8"	OAK	-	-	WD	F3/A525	F8/A525	-	B	
D10	LAUNDRY	A3 SWING	2'-8"	7'-0"	2 1/8"	WD	-	-	WD	F3/A525	F8/A525	-	B	
D11	FLEX MECHANICAL	SWING	5'-7 1/8"	6'-10 1/4"	2 1/2"	METAL	-	-	METAL	-	A1/A502	-	F	
D12	FLEX ELECTRICAL	SWING	3'-9 1/8"	9'-2 1/4"	2 1/2"	METAL	-	-	METAL	-	D7/A502	-	F	
D9	BARN DOOR	SLIDING	8'-0"	5'-11"	4"	METAL	-	-	METAL	E6/A512	A6/A512	-	D	



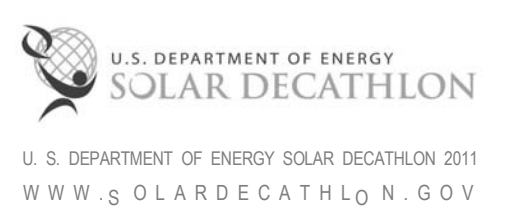
GENERAL SHEET NOTES



THE SOLAR HOMESTEAD
 APPALACHIAN STATE UNIVERSITY
 1100 EAST KING STREET
 BOONE, NC 28607
 PHONE: 828.262.8519
 SOLARHOMESTEAD@APPSTATE.EDU
 WWW.THESOLARHOMESTEAD.ORG

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MARK - DATE - DESCRIPTION

REFERENCE KEYNOTES

G

F

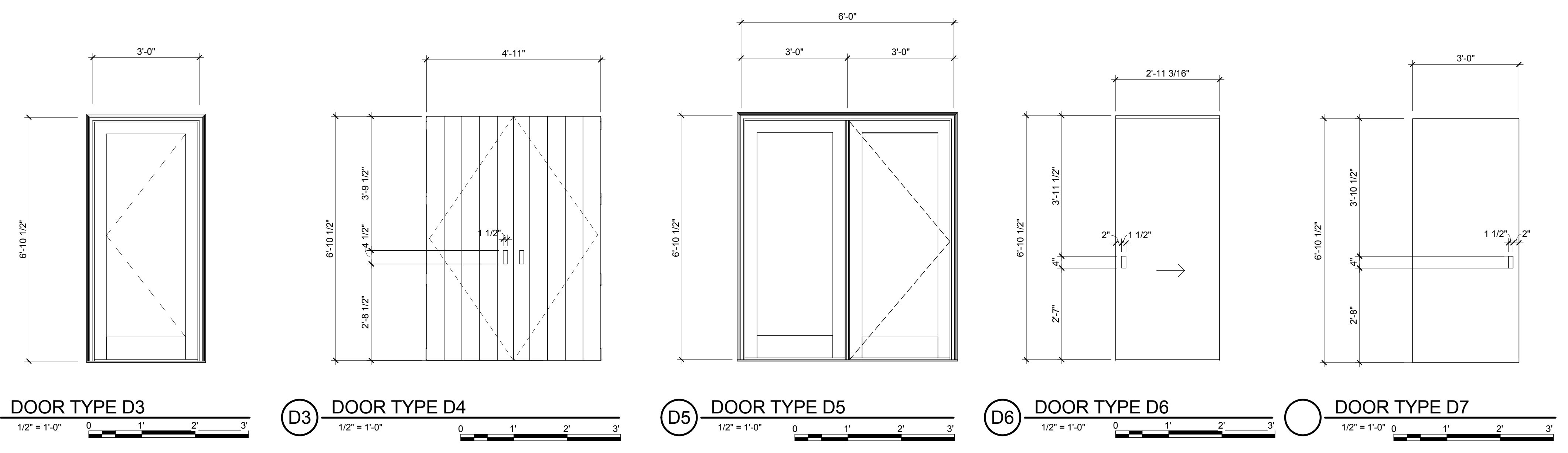
E

D

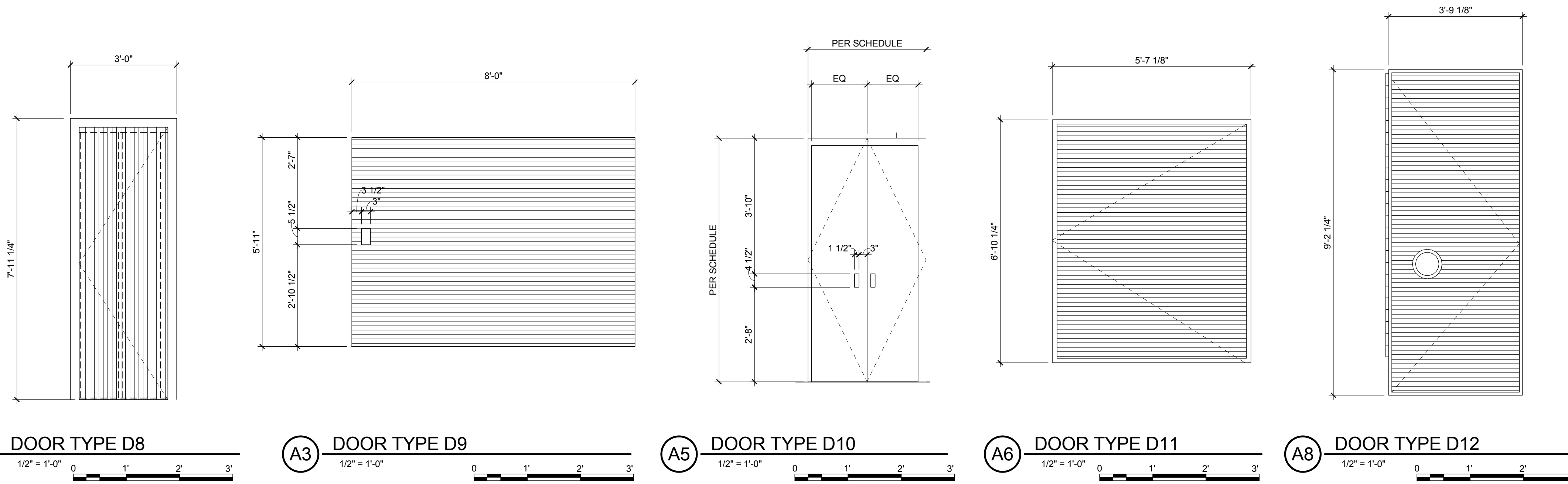
C

B

A



SHEET KEYNOTES



SHEET TITLE:
 DOOR SCHEDULE

SHEET NUMBER:

A-602

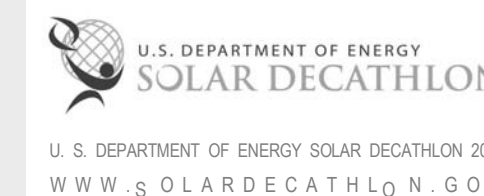


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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MARK - DATE - DESCRIPTION

GENERAL SHEET NOTES

- SEE PROJECT MANUAL 08 71 00 FOR HARDWARE SETS
- ALL GLASS TO BE TEMPERED SAFETY GLASS AT LOCATIONS REQUIRED BY SD BUILDING CODE

REFERENCE KEYNOTES

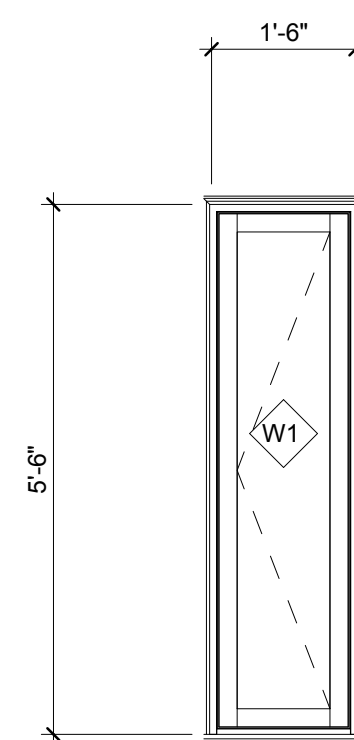
SHEET KEYNOTES

SHEET TITLE:
WINDOW SCHEDULE

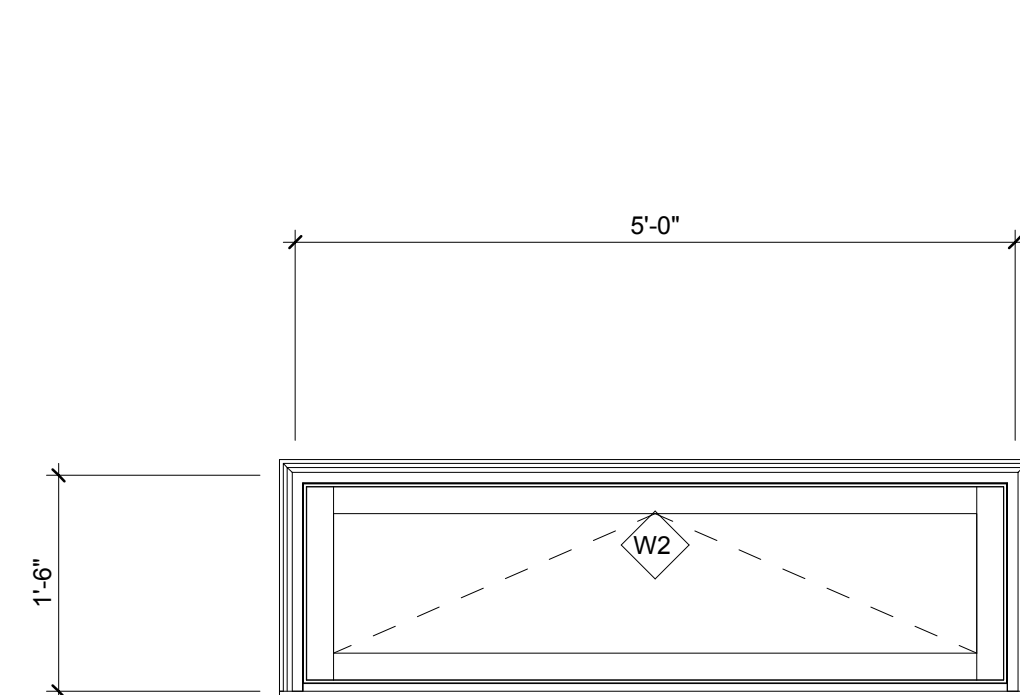
SHEET NUMBER:

A-603

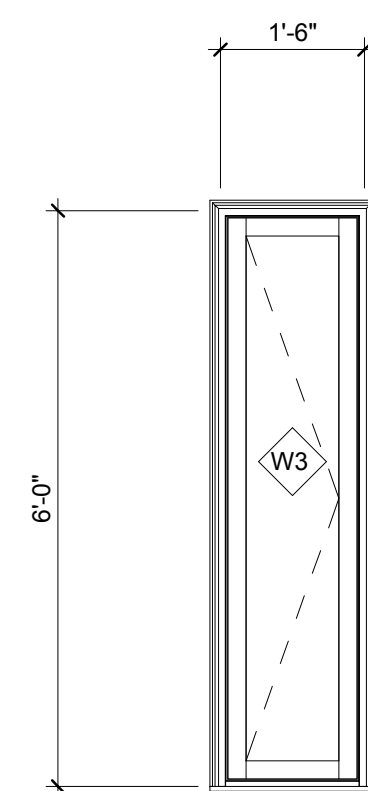
MARK	TYPE	ROUGH OPENING		MODEL	MATERIAL	DETAIL			GLAZING	TEMPERED	HEAD HEIGHT	COMMENTS
		WIDTH	HEIGHT			HEAD	JAMB	SILL				
W1	CASEMENT	1'-6"	5'-6"	KUS1666	ALUMINUM CLAD WOOD	A1/A-516	A3/A516	A5/A516	R-5	YES	6'-10 1/2"	
W2	AWNING	5'-0"	1'-6"	KU6016	ALUMINUM CLAD WOOD	C1/A-516	C3/A516	C5/A516	R-5		6'-10 1/2"	
W3	CASEMENT	1'-6"	6'-0"	KU1672	ALUMINUM CLAD WOOD	A1/A-516	A3/A516	A5/A516	R-5	YES	6'-10 1/2"	
W4	AWNING	2'-0"	1'-6"	KU2416	ALUMINUM CLAD WOOD	C1/A-516	C3/A516	C5/A516	R-5		6'-10 1/2"	
W5	FIXED	8'-0"	6'-0"		CUSTOM WOOD	A4/A-508	C1&C4/A508	A1/A508	R-5	YES	6'-10 1/2"	
W6	FIXED-CASEMENT	5'-6"	8'-0"	CUSTOM	ALUMINUM CLAD WOOD	A1/A-515	A1/A-516	A1/A-516	R-5	YES	6'-10 1/2"	
W7	FIXED SKYLIGHT	8'-3 1/2"	16'-3 1/2"	CUSTOM								



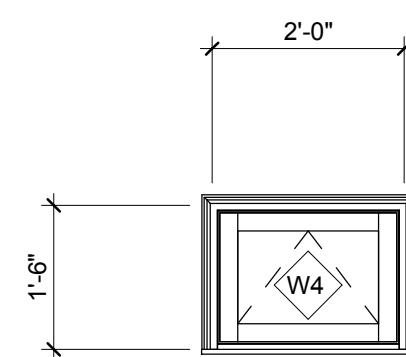
D1 WINDOW TYPE W1
1/2" = 1'-0" 0 1' 2' 3'



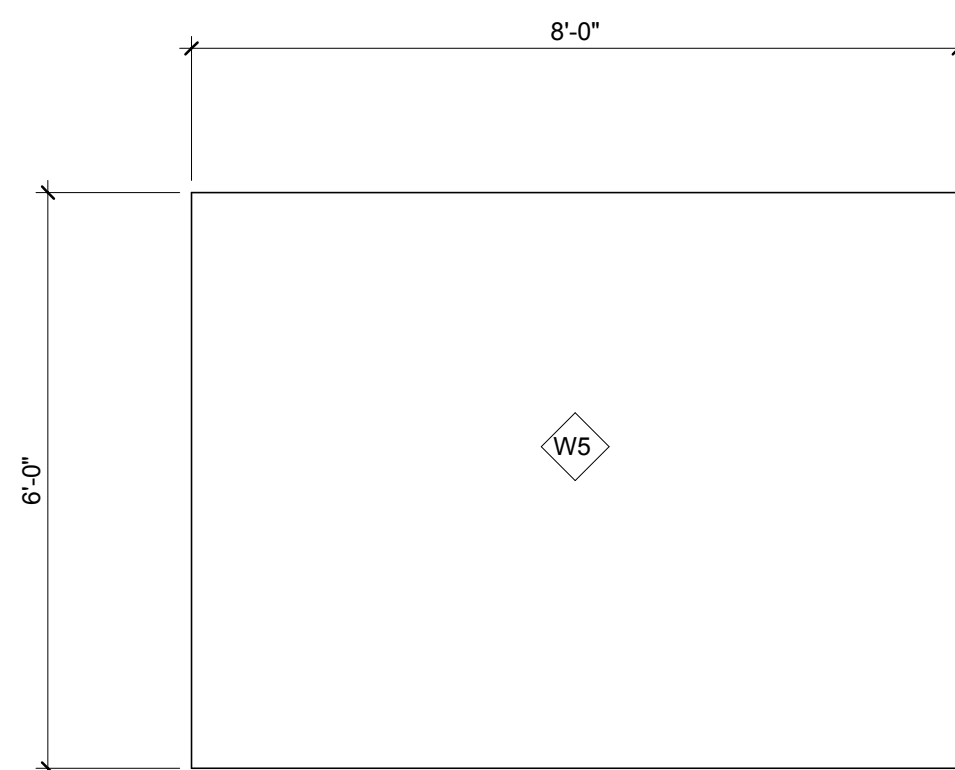
D3 WINDOW TYPE W2
3/4" = 1'-0" 0 1' 2' 3'



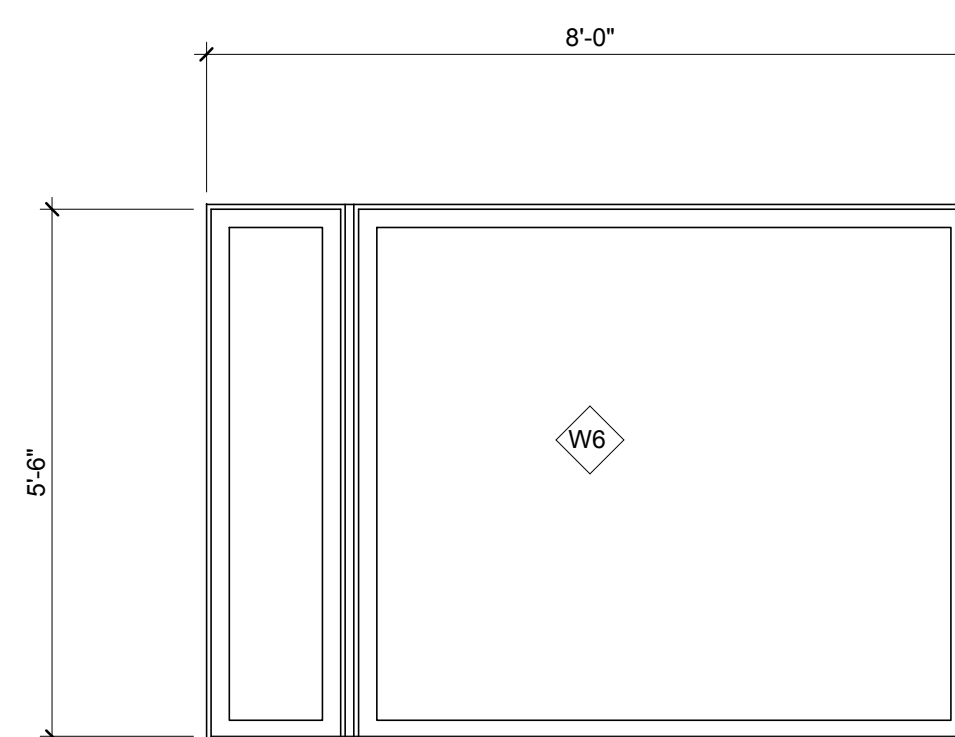
D3 WINDOW TYPE W3
1/2" = 1'-0" 0 1' 2' 3'



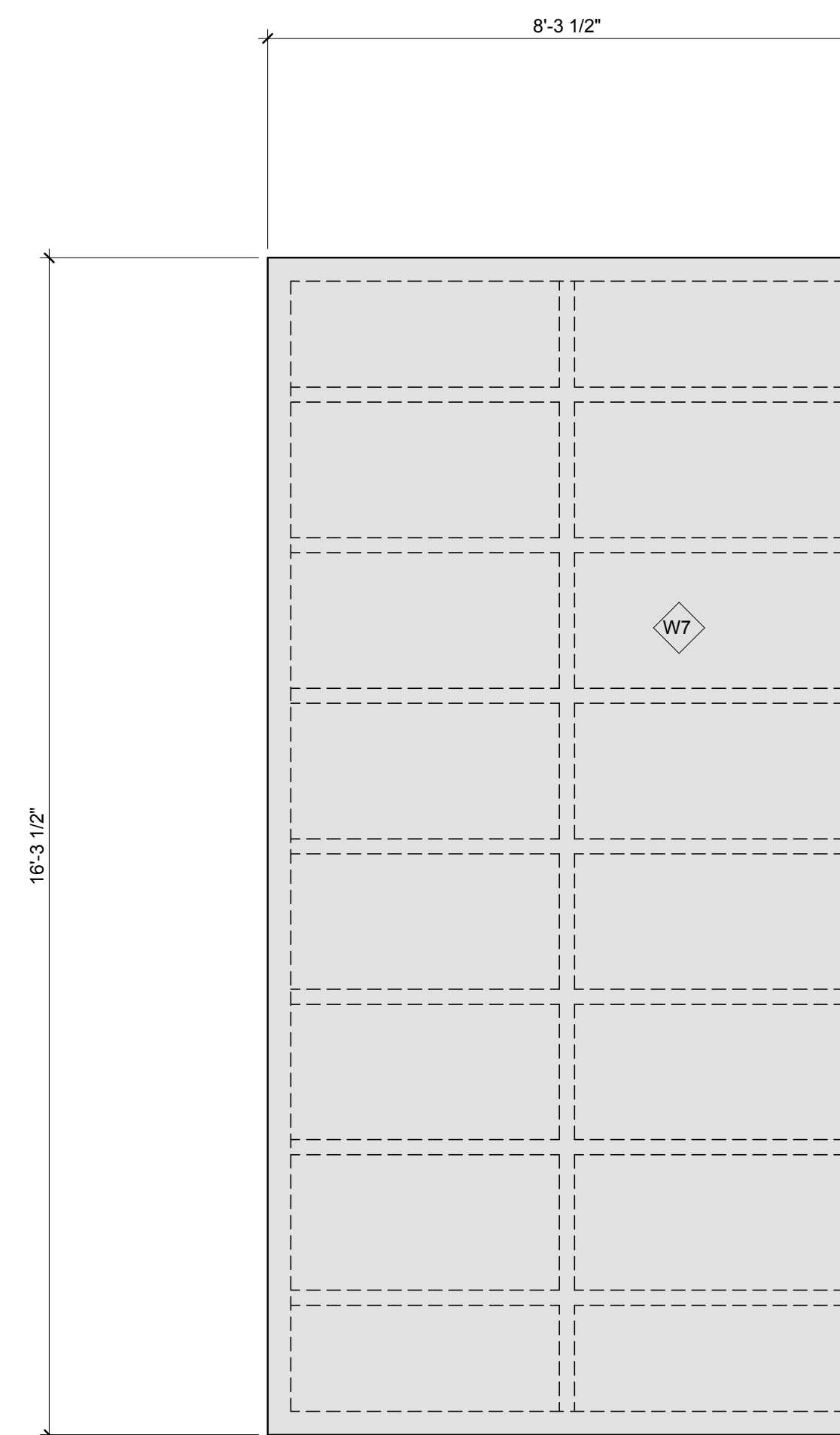
B1 WINDOW TYPE W4
1/2" = 1'-0" 0 1' 2' 3'



B3 WINDOW TYPE W5
1/2" = 1'-0" 0 1' 2' 3'



B5 WINDOW TYPE W6
1/2" = 1'-0" 0 1' 2' 3'



B7 ST SKYLIGHT
1/2" = 1'-0" 0 1' 2' 3'



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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:

ELM ENGINEERING INC.
212 SOUTH TRYON STREET
SUITE 1050
CHARLOTTE, NC 28281
TEL 704.335.0396
FAX 704.335.0399
WWW.ELMENGRCOM

CLIENT:



LOT #: 205 | APPST
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CHECKED BY: KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
APPLIANCE AND ROOM FINISH
SCHEDULE

SHEET NUMBER:

A-604

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

APPLIANCE SCHEDULE						
MARK	DESCRIPTION	MANUFACTURER	MODEL	CIRCUIT NUMBER	REFERENCE NUMBER	COMMENTS
A01	REFRIGERATOR	LG	LFC21778ST	21	11 31 13.A1	
A02	OVEN	BOSCH	HBL3350UC	9,11	11 31 13.A5	
A03	COOK TOP	BOSCH	NIT365UC	13,15	11 31 13.A2	
A04	DISHWASHER	BOSCH	SHX44P05UC	19	11 31 13.A7	
A05	WASHER	BOSCH	WAS24460UC	1,3	11 31 23	
A06	DRYER	BOSCH	WTE86300U60	5,7	11 31 23	
M04	RANGE HOOD	BOSCH	DE96055AUC	17	11 31 13.A4	REFER TO MECHANICAL EQUIPMENT SCHEDULE

ROOM FINISH SCHEDULE																						
ROOM NO.	ROOM NAME	FLOOR		CEILING		WALL																
		MATERIAL	FINISH	MATERIAL	FINISH	NORTH		EAST		SOUTH		WEST										
						WALL	TRIM	WALL	TRIM	WALL	TRIM	WALL	TRIM									
101	LIVING KITCHEN DINING	WHITE OAK	WOOD STAIN	5/8" GWB	WHITE PAINT	8'-1 3/4"	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE	1X6" WOOD TRIM	CHARCOL PAINT	-	-	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE
102	NORTH HALL	WHITE OAK	WOOD STAIN	WHITE OAK	WOOD STAIN	7'-0"	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE	WHITE OAK	WOOD STAIN	-	-	-	-	-	-	WHITE OAK	WOOD STAIN	-	-
103	LAUN.	AC PLYWOOD	POLY.	GWB	WHITE PAINT	7'-4.5"	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	-	-	-	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-
104	BATH	LOCUST	VINEGAR STAIN	LOCUST	VINEGAR STAIN	8'-1 3/4"	CORR. STEEL	GALVALUME	-	-	CORR. STEEL	GALVALUME	-	-	CORR. STEEL	GALVALUME	-	-	LOCUST	VINEGAR STAIN	-	-
105	BEDROOM NORTH	WHITE OAK	WOOD STAIN	GWB	WHITE PAINT	8'-1 3/4"	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE	1 X 4 MDF	CHARCOL PAINT	1X4 WOOD TRIM	1X4 WOOD TRIM	POLYCARB.	POLY.	-	-	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE
106	BEDROOM SOUTH	WHITE OAK	WOOD STAIN	GWB	WHITE PAINT	8'-1 3/4"	POLYCARB.	TITAN SKY ICE	-	-	1 X 4 MDF	CHARCOL PAINT	1X4 WOOD TRIM	1X4 WOOD TRIM	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE
107	SOUTH HALL	WHITE OAK	WOOD STAIN	WHITE OAK	WOOD STAIN	7'-0"	-	-	-	-	WHITE OAK	WOOD STAIN	-	-	LAUAN	LT GREY PAINT	WHITE OAK COVE	GWB COVE	WHITE OAK	WOOD STAIN	-	-
108	CLOSET SOUTH	AC PLYWOOD	POLY.	GWB	WHITE PAINT	7'-4 1/2"	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-
109	DECK	PT DECKING	DECK STAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110	OM CLOSET 2	PT DECKING	DECK STAIN	PT PLYWOOD	-	8'-5"	PEGBOARD	WHITE	-	-	PEGBOARD	WHITE	-	-	PEGBOARD	WHITE	-	-	PEGBOARD	WHITE	-	-
111	MECH.	AC PLYWOOD	POLY.	GWB	WHITE PAINT	7'-4 1/2"	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-
113	OM CLOSET 1	PT DECKING	WOOD STAIN	PT. PLYWOOD	-	8'-5"	PEGBOARD	WHITE	-	-	PEGBOARD	WHITE	-	-	PEGBOARD	WHITE PAINT	-	-	PEGBOARD	WHITE	-	-
114	OM CLOSET 3	PT DECKING	WOOD STAIN	PT. PLYWOOD	-	8'-5"	PEGBOARD	WHITE	-	-	PEGBOARD	WHITE	-	-	PEGBOARD	WHITE PAINT	-	-	PEGBOARD	WHITE	-	-
115	CLOSET NORTH	AC PLYWOOD	POLY.	GWB	WHITE PAINT	7'-4 1/2"	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-	AC PLYWOOD	POLY.	-	-
116	GREAT PORCH	PT DECKING	DECK STAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	FLEX BATH	AC PLYWOOD	POLY.	GWB	WHITE PAINT	7'-7 1/4"	GWB	WHITE PAINT	1X4 WOOD TRIM	-	GWB	WHITE PAINT	1X4 WOOD TRIM	-	POLYCARB.	TITAN SKY ICE	-	-	GWB	WHITE PAINT	1X4 WOOD TRIM	-
121	FLEX SPACE	AC PLYWOOD	POLY.	GWB	WHITE PAINT	7'-7 1/4"	POLYCARB.	TITAN SKY ICE	-	-	GWB	WHITE PAINT	1X4 WOOD TRIM	-	GWB	WHITE PAINT	1X4" WOOD TRIM	-	GWB	WHITE PAINT	1X4 WOOD TRIM	-

CASEWORK SCHEDULE													
MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	FINISH	FRAME DIMENSIONS			DOORS		PLINTH		NOTES
						WIDTH	HEIGHT	DEPTH	MODEL	FINISH	MODEL	FINISH	
						CT1	COUNTERTOP	FLEX KIT	CUSTOM PIECE				
CT2	COUNTERTOP	KITCHEN	BUTCHER BLOCK CO.	WILLIAMSBURG	MAPLE								SERVES AS COUNTER TOP AND BACKSPLASH
CW1	BASE CABINET	KITCHEN	IKEA	AKURUM	WHITE	1'-3"	2'-6"	2'-0"	RUBIK	STAINLESS STEEL	PERFEKT	STAINLESS STEEL	
CW1	BASE CABINET	KITCHEN	IKEA	AKURUM	WHITE	1'-3"	2'-6"	2'-0"	RUBIK	STAINLESS STEEL	PERFEKT	STAINLESS STEEL	
CW2	BASE CABINET	KITCHEN	IKEA	AKURUM	WHITE	2'-0"	7'-4"	2'-0"	RUBIK	STAINLESS STEEL	PERFEKT	STAINLESS STEEL	DOOR MADE FROM RUBIK COVER PANEL
CW4	BASE CABINET	KITCHEN	IKEA	AKURUM	WHITE	2'-6"	2'-6"	2'-0"	RUBIK	STAINLESS STEEL	PERFEKT	STAINLESS STEEL	
CW5	BASE CABINET	KITCHEN	IKEA	AKURUM	WHITE	2'-6"	2'-6"	2'-0"	RUBIK	STAINLESS STEEL	PERFEKT	STAINLESS STEEL	VENTED PLINTH
V1	VANITY	BATHROOM	CUSTOM PIECE	JILMS	IPE	2'-6"	3'-6"	2'-6"	-	-	-	-	THREE PIECE ALUMINUM SHELIVING
V2	VANITY	FLEX BATH	IKEA	LULLANGEN	WHITE	2'-7 1/2"	3'-0 1/4"	1'-4 1/8"	-	-	-	-	



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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CLIENT:



LOT #: 205 | APPST
DRAWN BY: MAS, JS, JA
CHECKED BY: KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL NOTES & SYMBOLS

SHEET NUMBER:

I-001

GENERAL NOTES

1. ARCHITECTURAL NOTES
 - A. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL RESIDENTIAL CODE AS WELL AS THE SOLAR DECATHLON RULES AND BUILDING CODE. THE DESIGN SHALL CONFORM WITH ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL REGULATIONS HAVING JURISDICTION.
 - B. DO NOT SCALE DRAWINGS. DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
 - C. ALL TYPICAL DETAILS AND NOTES SHOWN ON DRAWINGS SHALL APPLY UNLESS NOTED OTHERWISE.
 - D. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND CONSTRUCTION TRADE PRACTICES, CONSULT ARCHITECT BEFORE PROCEEDING WITH WORK.
3. DIMENSIONING
 - A. UNLESS NOTED OTHERWISE, PARTITIONS ARE DIMENSIONED TO THE FACE OF THE STRUCTURE.
 - B. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH WORK. THE ARCHITECT WILL BE NOTIFIED OF ANY DISCREPANCIES.
 - C. ALL DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH THE WORK OF ALL TRADES.
4. FINISHES
 - A. REFER TO PROJECT MANUAL FOR FINISH SPECIFICATIONS AND INSTALLATION/APPLICATION REQUIREMENTS.
 - B. ALL GYPSUM WALLBOARD SURFACES SHALL COMPLY WITH A LEVEL FOUR FINISH AS PER GA 214-90.
 - C. ALL PAINTED SURFACES ARE TO RECEIVE ONE COAT OF PRIMER AND TWO COATS OF PAINT, AND SHALL BE SANDED TO A SMOOTH FINISH, PER SPECIFICATIONS.
 - D. ALL MDF AND LAUAN REVEALS SHALL BE WITHIN A 1/16" TOLERANCE OF THE DIMENSIONS GIVEN IN THE DRAWING SET.

INTERIOR SHEET LIST

SHEET NO.	SHEET NAME
I-001	GENERAL NOTES & SYMBOLS
I-101	DAILY FURNISHINGS PLAN
I-102	ENTERTAINMENT FURNISHINGS PLAN
I-103	DINNER PARTY PLAN
I-201	LIVING INTERIOR ELEVATION
I-202	LIVING INTERIOR ELEVATION
I-203	BATH INTERIOR ELEVATION
I-204	NORTH BEDROOM INTERIOR ELEVATION
I-205	SOUTH BEDROOM INTERIOR ELEVATION
I-206	NORTH HALL INTERIOR ELEVATION
I-207	SOUTH HALL INTERIOR ELEVATION
I-208	FLEX SPACE INTERIOR ELEVATION
I-209	FLEX BATH INTERIOR ELEVATIONS
I-401	FURNISHING PLANS
I-402	FURNISHING PLANS
I-501	VANITY DETAILS
I-502	HOUSE TRIM DETAILS
I-503	HOUSE TRIM DETAILS
I-504	FLEX SPACE TRIM DETAILS
I-505	FURNITURE SCHEDULE

G
F
E
D
C
B
A

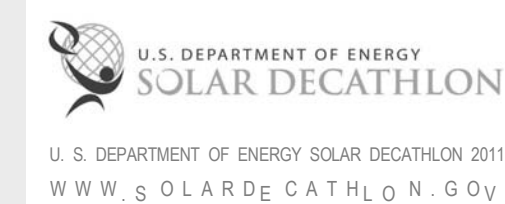


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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MARK - DATE - DESCRIPTION

SHEET TITLE:
DAILY FURNISHINGS PLAN

SHEET NUMBER:

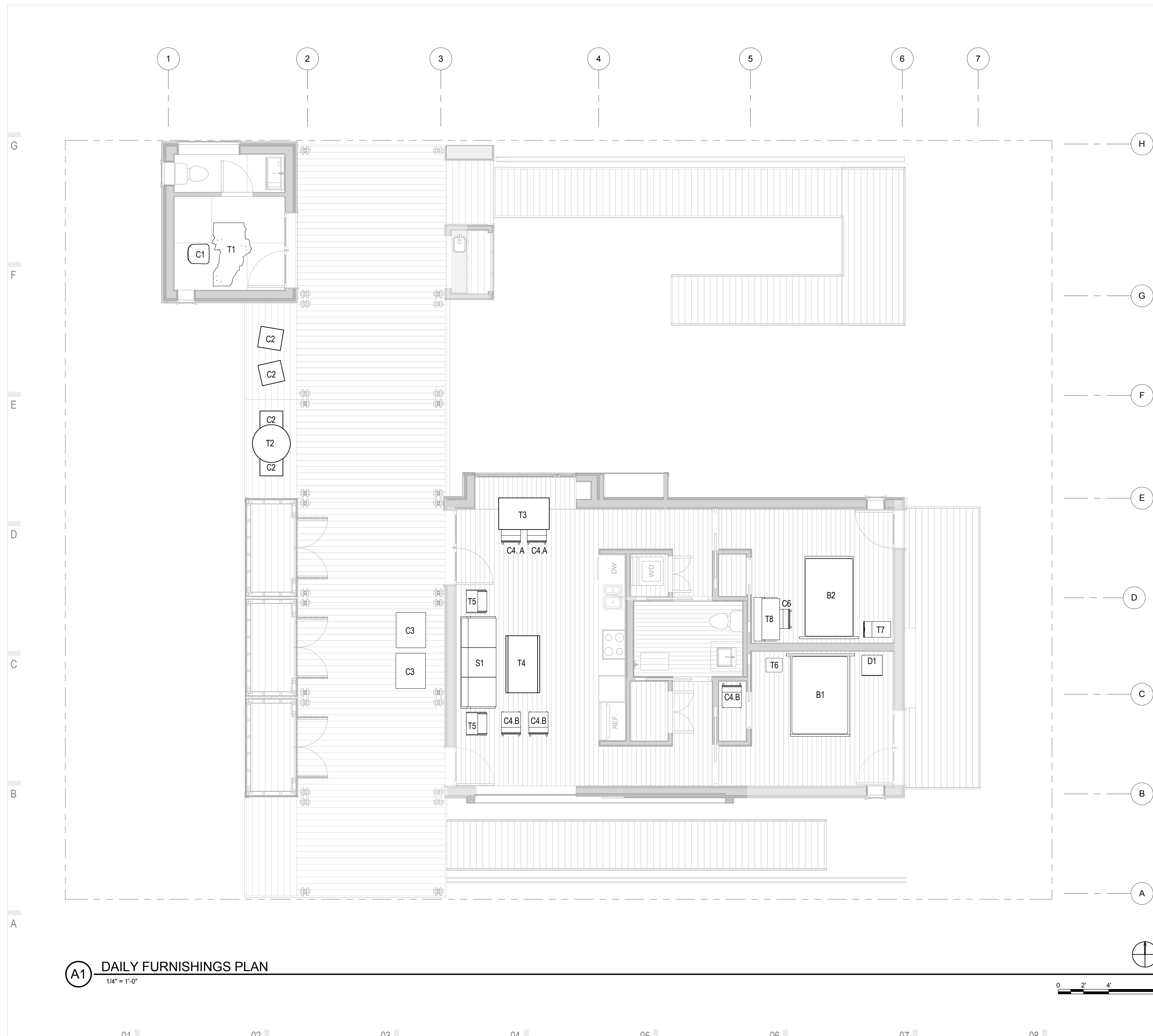
I-101

GENERAL SHEET NOTES

- REFER TO PAGE I-505 FOR FURNITURE SCHEDULE

REFERENCE KEYNOTES

SHEET KEYNOTES



A1 DAILY FURNISHINGS PLAN
1/4" = 1'-0"



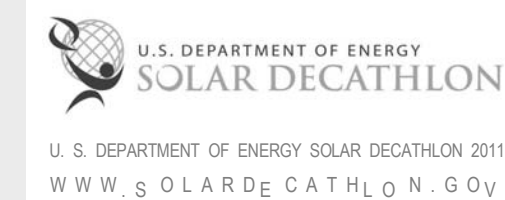


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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
PHONE: 828.262.8519
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MARK - DATE - DESCRIPTION

SHEET TITLE:
ENTERTAINMENT FURNISHINGS
PLAN

SHEET NUMBER:

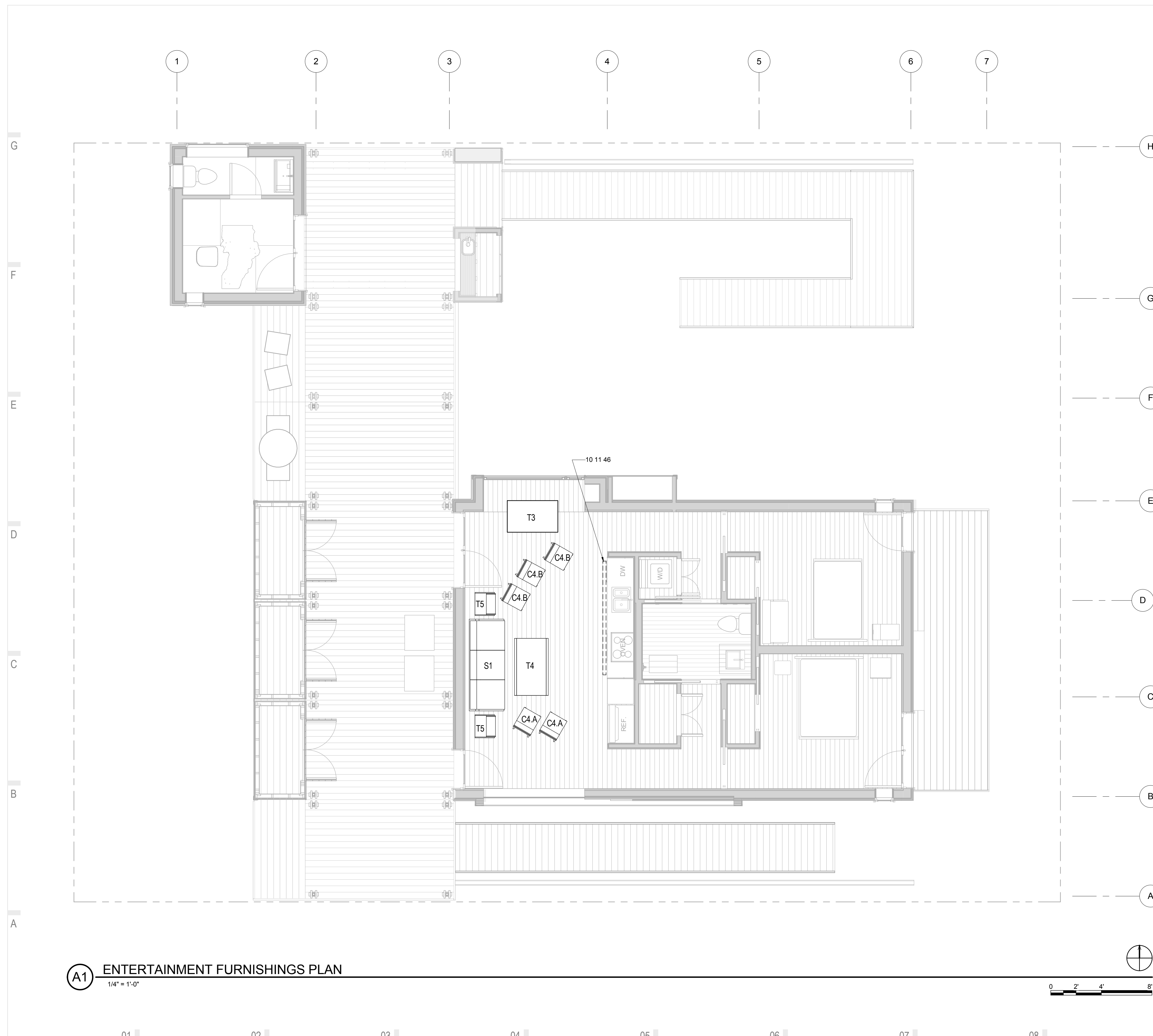
I-102

GENERAL SHEET NOTES

REFERENCE KEYNOTES

10 11 46 VISUAL DISPLAY FABRICS

SHEET KEYNOTES



A1 ENTERTAINMENT FURNISHINGS PLAN
1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10

GENERAL SHEET NOTES



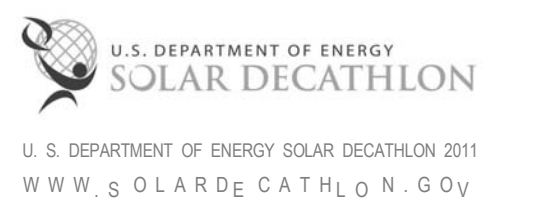
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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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SOLARHOMESTEAD@APPSTATE.EDU
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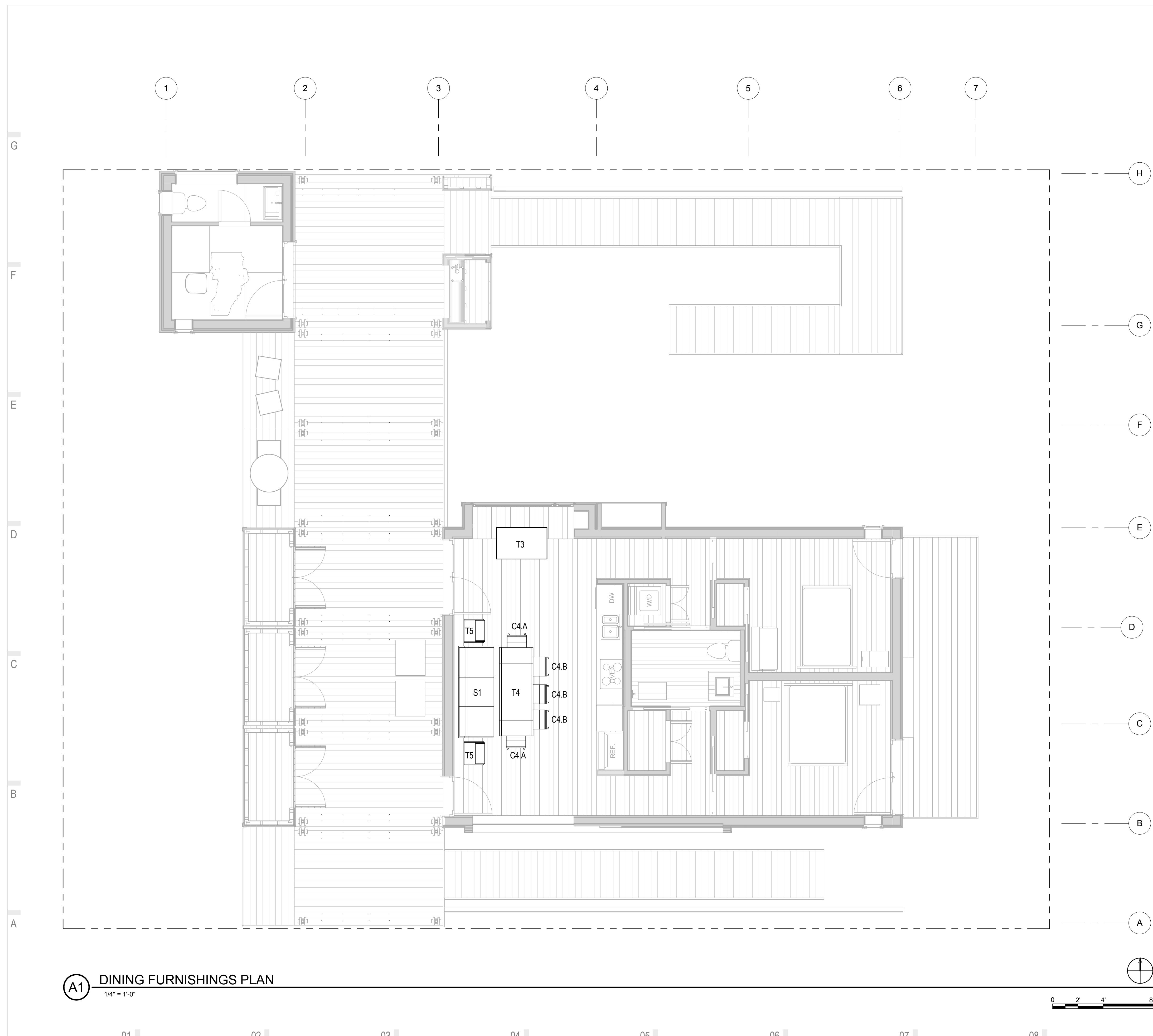
MARK - DATE - DESCRIPTION

SHEET KEYNOTES

SHEET TITLE:
DINNER PARTY PLAN

SHEET NUMBER:

I-103



A1 DINING FURNISHINGS PLAN
1/4" = 1'-0"

01 02 03 04 05 06 07 08 09 10

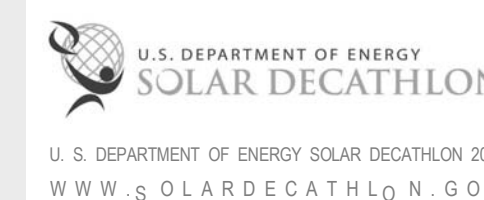


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APPALACHIAN STATE UNIVERSITY

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MARK - DATE - DESCRIPTION

SHEET TITLE:
LIVING INTERIOR ELEVATION

SHEET NUMBER:

I-201

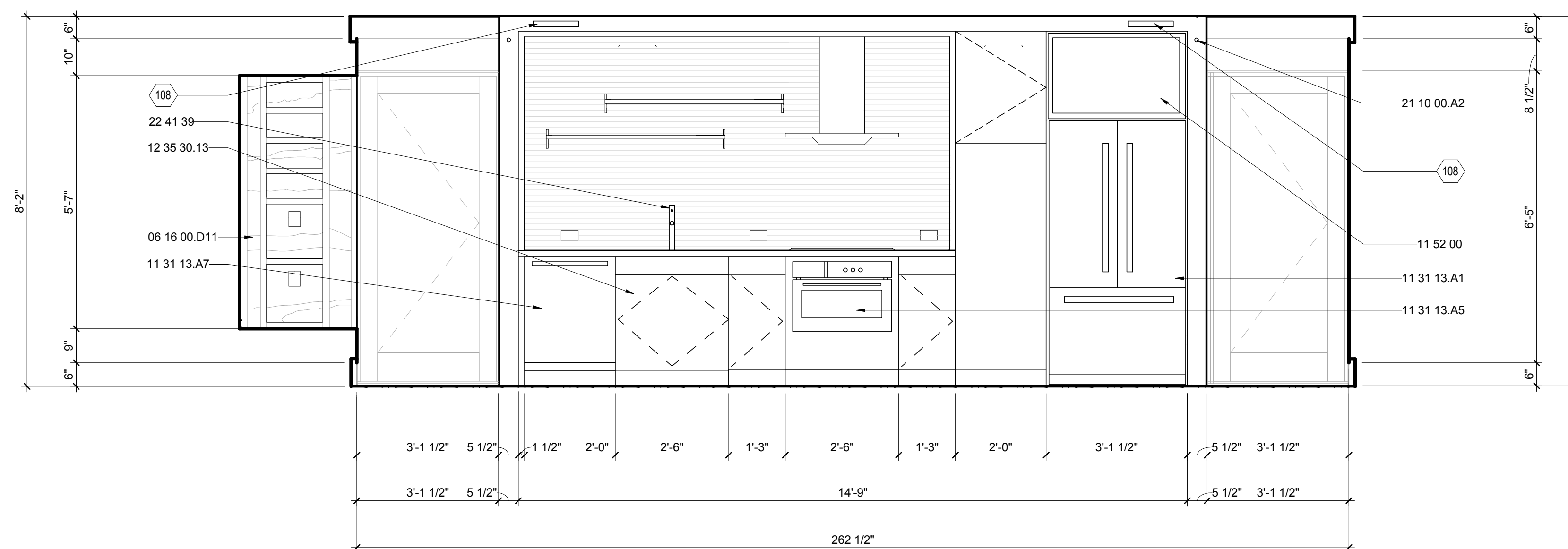
GENERAL SHEET NOTES

REFERENCE KEYNOTES

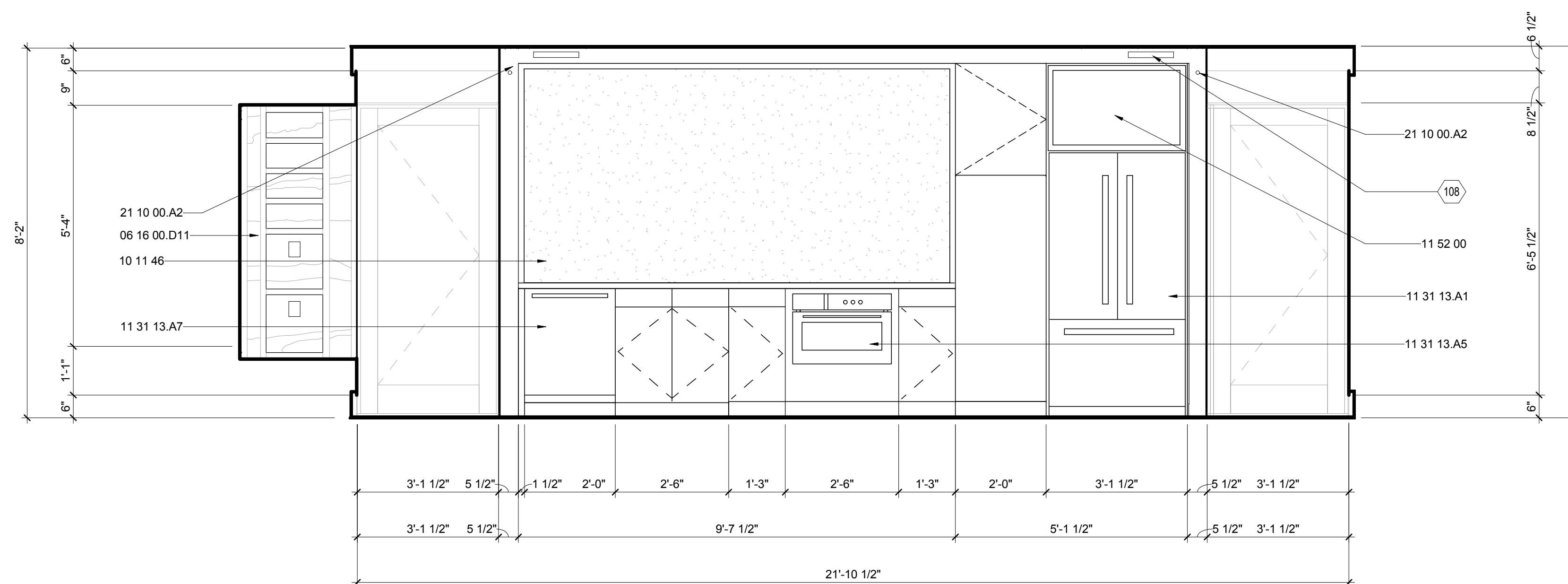
06 16 00.D11	3/4" PLYWOOD
10 11 46	VISUAL DISPLAY FABRICS
11 31 13.A1	REFRIGERATOR
11 31 13.A5	OVEN
11 31 13.A7	DISHWASHER
11 52 00	AUDIO-VISUAL EQUIPMENT
12 35 30.13	KITCHEN CASEWORK
21 10 00.A2	5.6K HORIZONTAL SIDEWALL SPRINKLER
22 41 39	RESIDENTIAL FAUCETS, SUPPLIES AND TRIM

SHEET KEYNOTES

108 13/4" X 12" HVAC SUPPLY



E3 LIVING EAST ELEVATION
1/2" = 1'-0"



A3 LIVING EAST ELEVATION WITH PROJECTION SCREEN
1/2" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
LIVING INTERIOR ELEVATION

SHEET NUMBER:

I-202

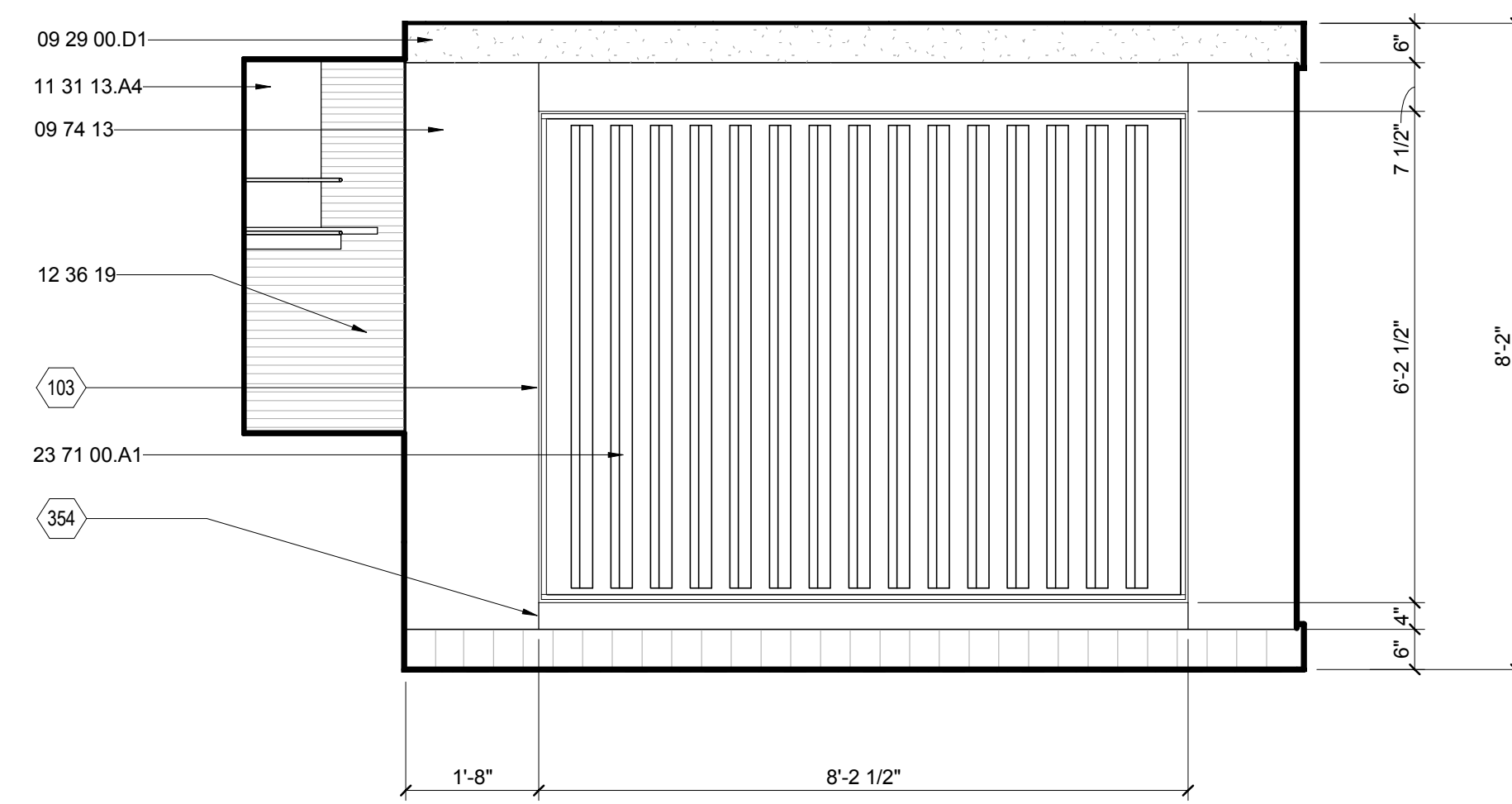
GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 16 00.D11	3/4" PLYWOOD
08 14 23.13	METAL-FACED WOOD DOORS
08 52 13	METAL-CLAD WOOD WINDOWS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
11 31 13.A4	EXHAUST HOOD
12 36 19	WOOD COUNTERTOPS
22 41 39	RESIDENTIAL FAUCETS, SUPPLIES AND TRIM
23 71 00.A1	TROMBE WALL

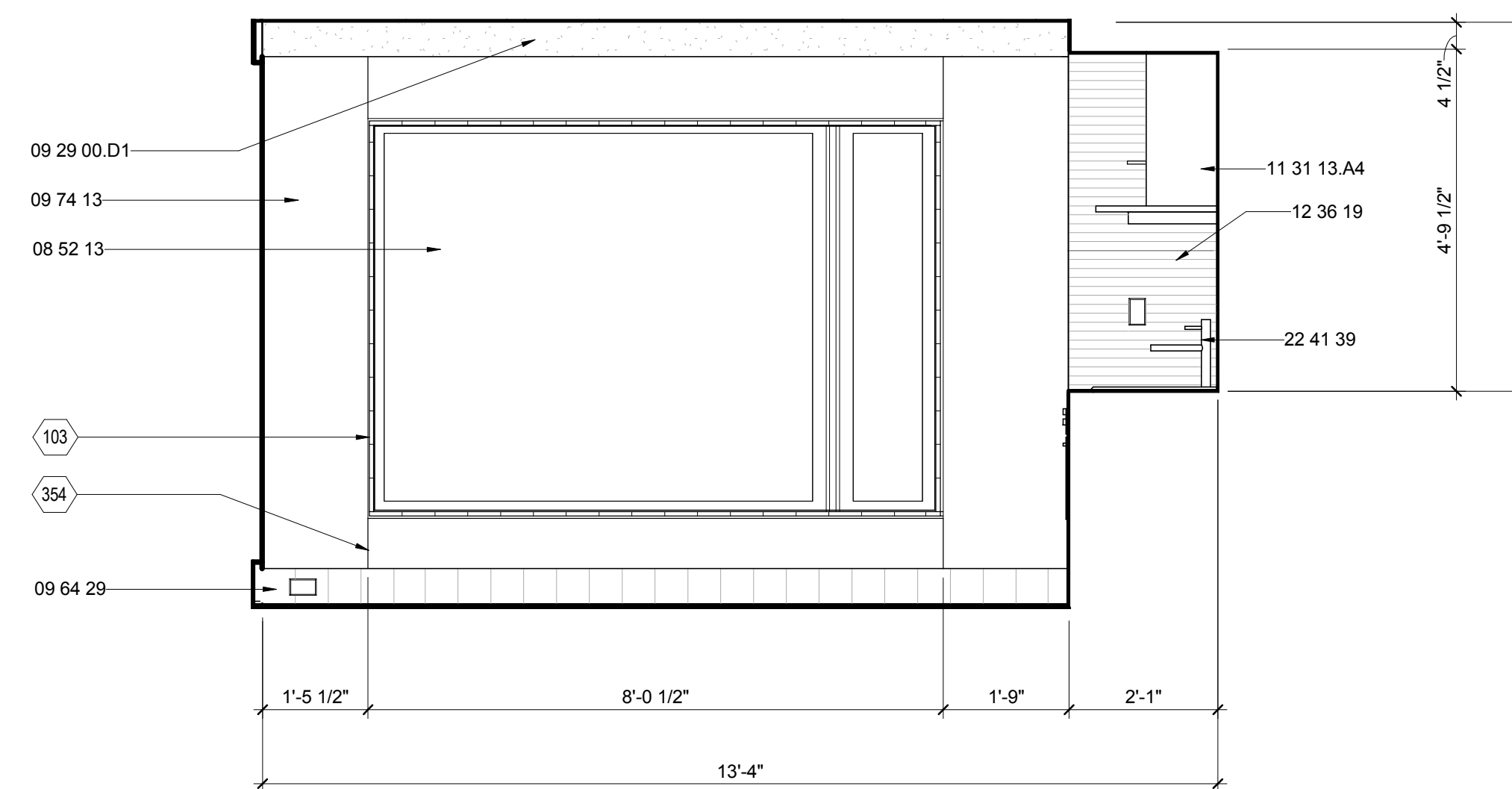
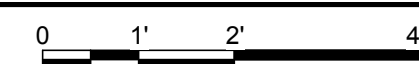
SHEET KEYNOTES

103	3/8" REVEAL
354	1/8" REVEAL
384	BUILT-IN UNIT FOR PROJECTOR



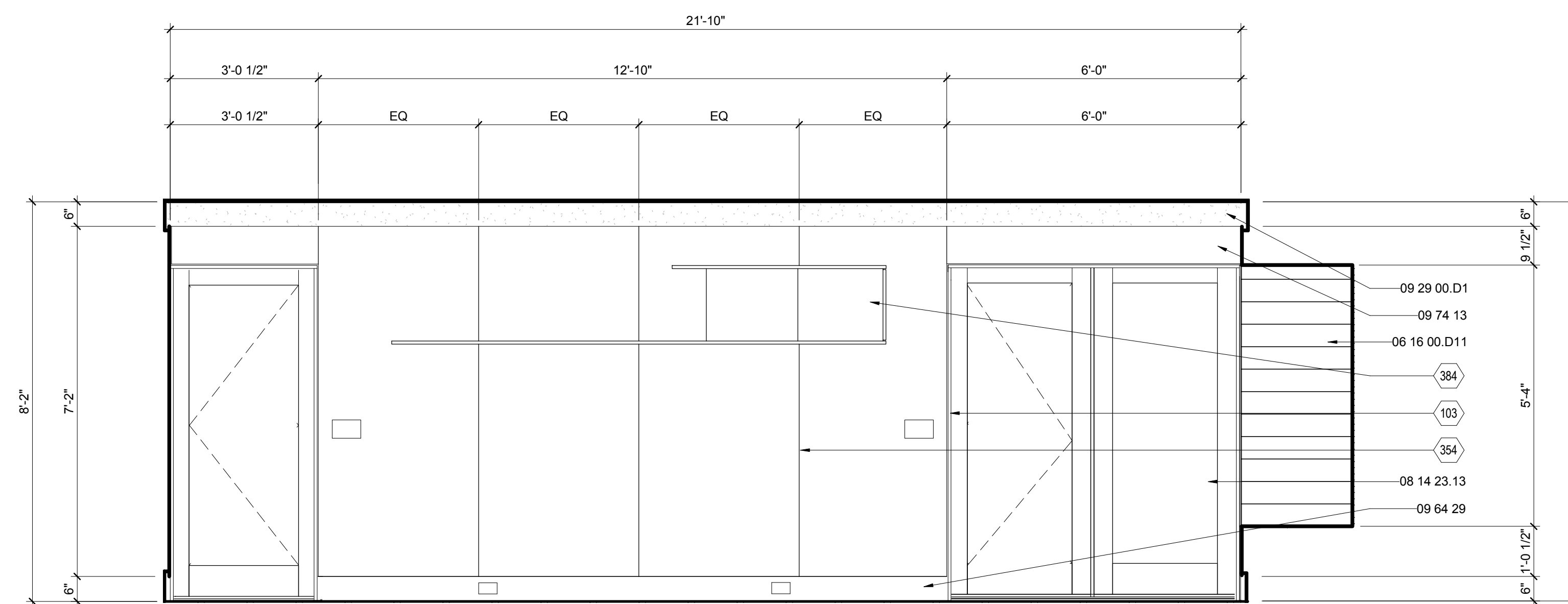
E1 LIVING SOUTH ELEVATION

1/2" = 1'-0"



E6 LIVING NORTH ELEVATION

1/2" = 1'-0"



B1 LIVING WEST ELEVATION

1/2" = 1'-0"



G

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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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MARK - DATE - DESCRIPTION

SHEET TITLE:
BATH INTERIOR ELEVATION

SHEET NUMBER:

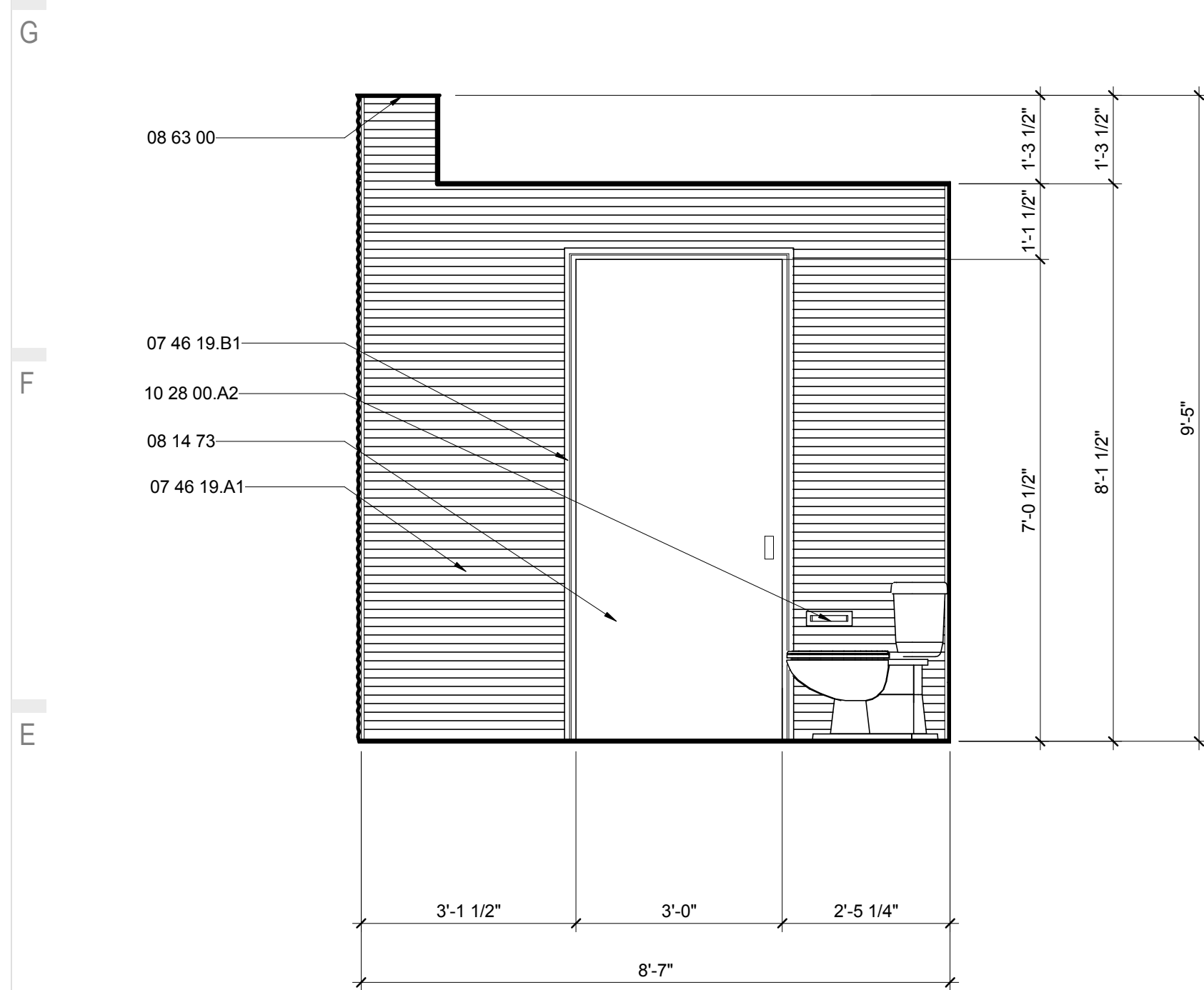
I-203

GENERAL SHEET NOTES

REFERENCE KEYNOTES

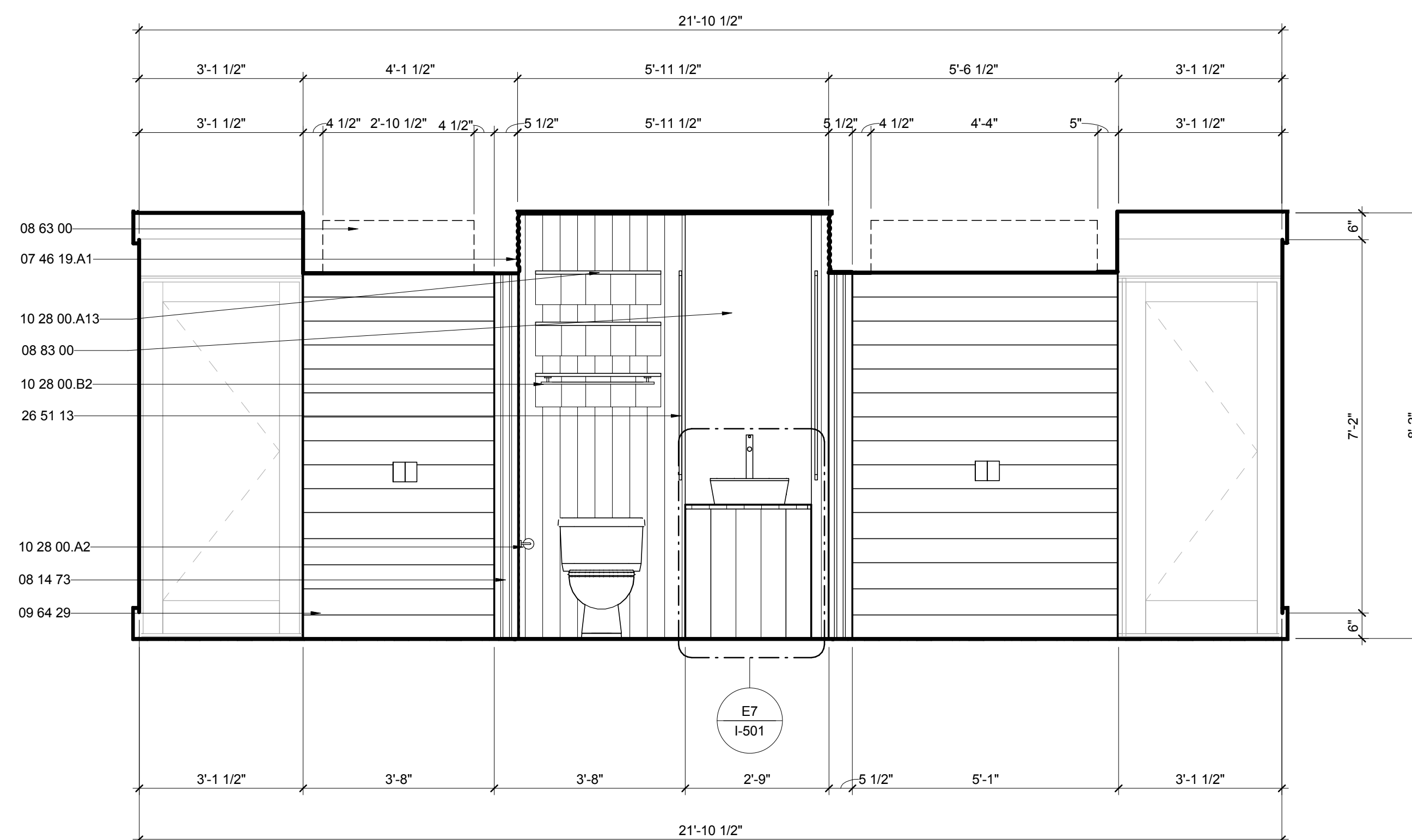
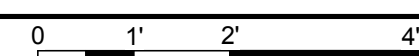
- 06 64 00 PLASTIC PANELING
- 07 46 19.A1 1/2" CORRUGATED STEEL - 26 GA
- 07 46 19.B1 1" J CHANNEL
- 08 14 73 SLIDING WOOD DOORS
- 08 63 00 METAL-FRAMED SKYLIGHTS
- 08 83 00 MIRRORS
- 09 64 29 WOOD STRIP AND PLANK FLOORING
- 10 28 00.A2 TOILET TISSUE DISPENSER
- 10 28 00.A13 SHELF
- 10 28 00.B2 TOWEL BAR
- 22 41 39 RESIDENTIAL FAUCETS, SUPPLIES AND TRIM
- 26 51 13 INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES



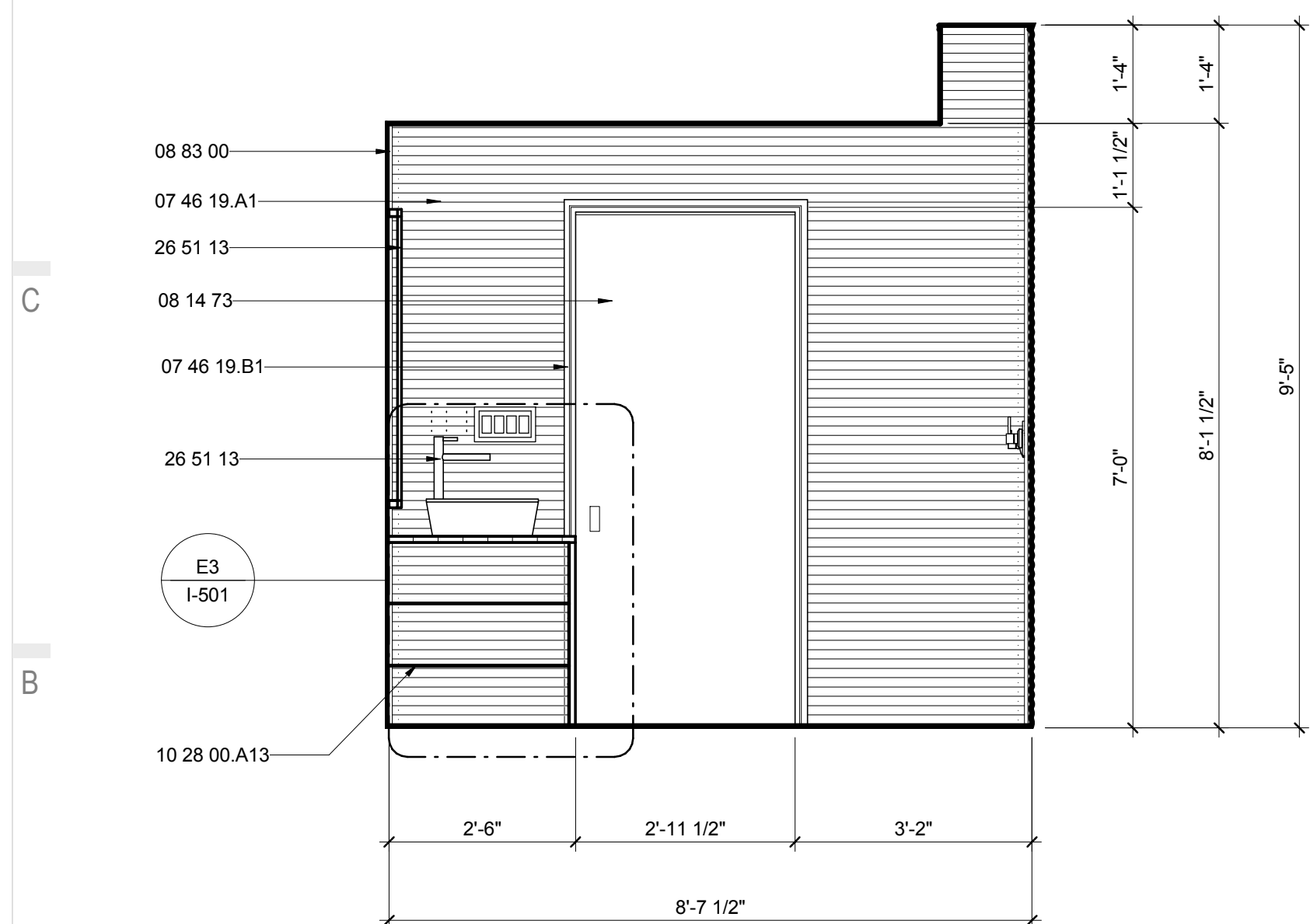
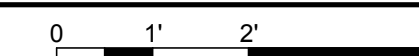
E1 BATHROOM NORTH ELEVATION

1/2" = 1'-0"



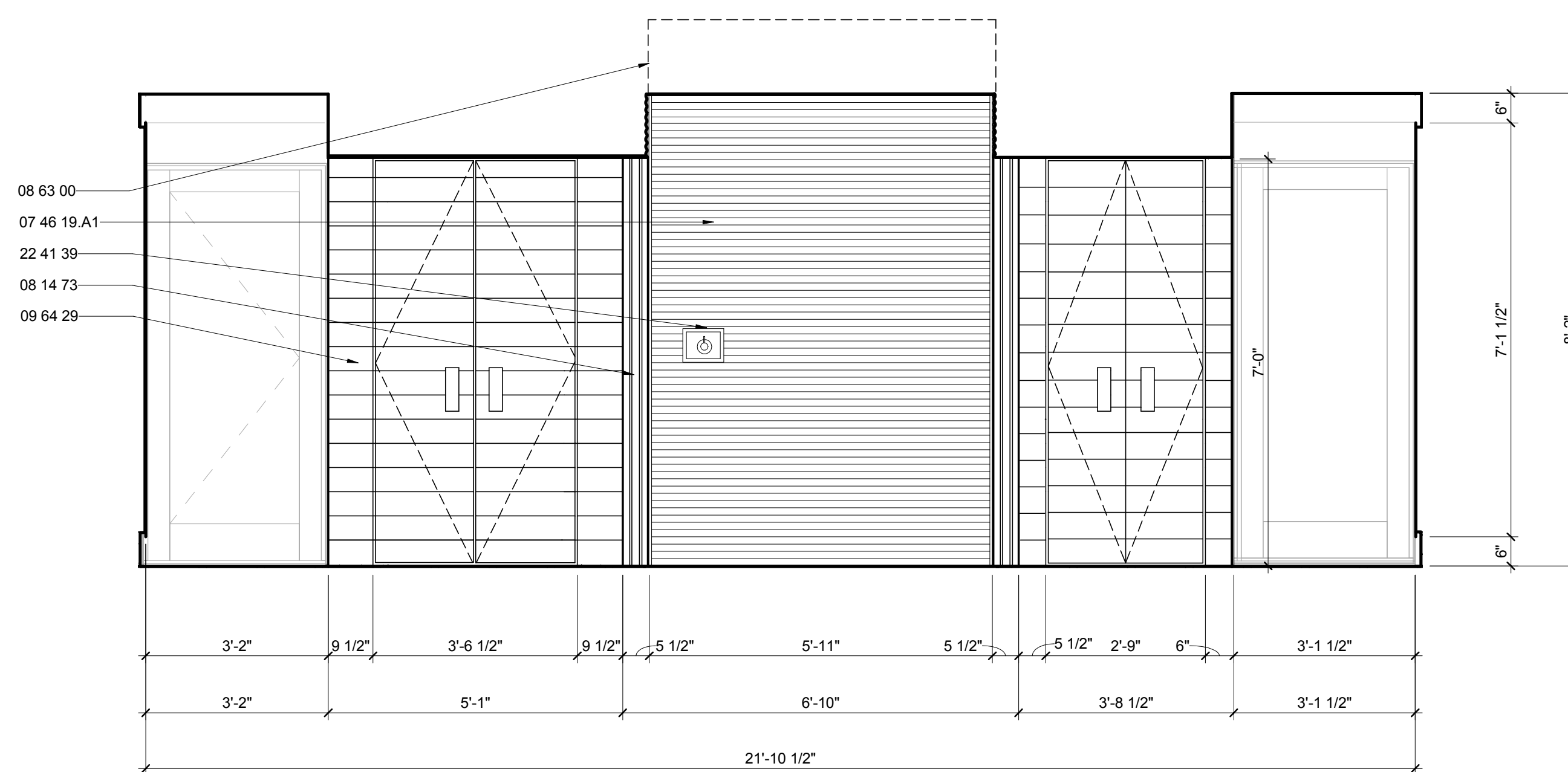
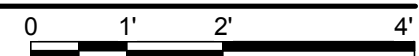
E4 BATHROOM EAST ELEVATION

1/2" = 1'-0"



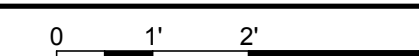
A1 BATHROOM SOUTH ELEVATION

1/2" = 1'-0"



A4 BATHROOM WEST ELEVATION

1/2" = 1'-0"



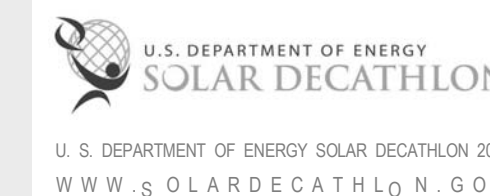


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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
NORTH BEDROOM INTERIOR
ELEVATION

SHEET NUMBER:

I-204

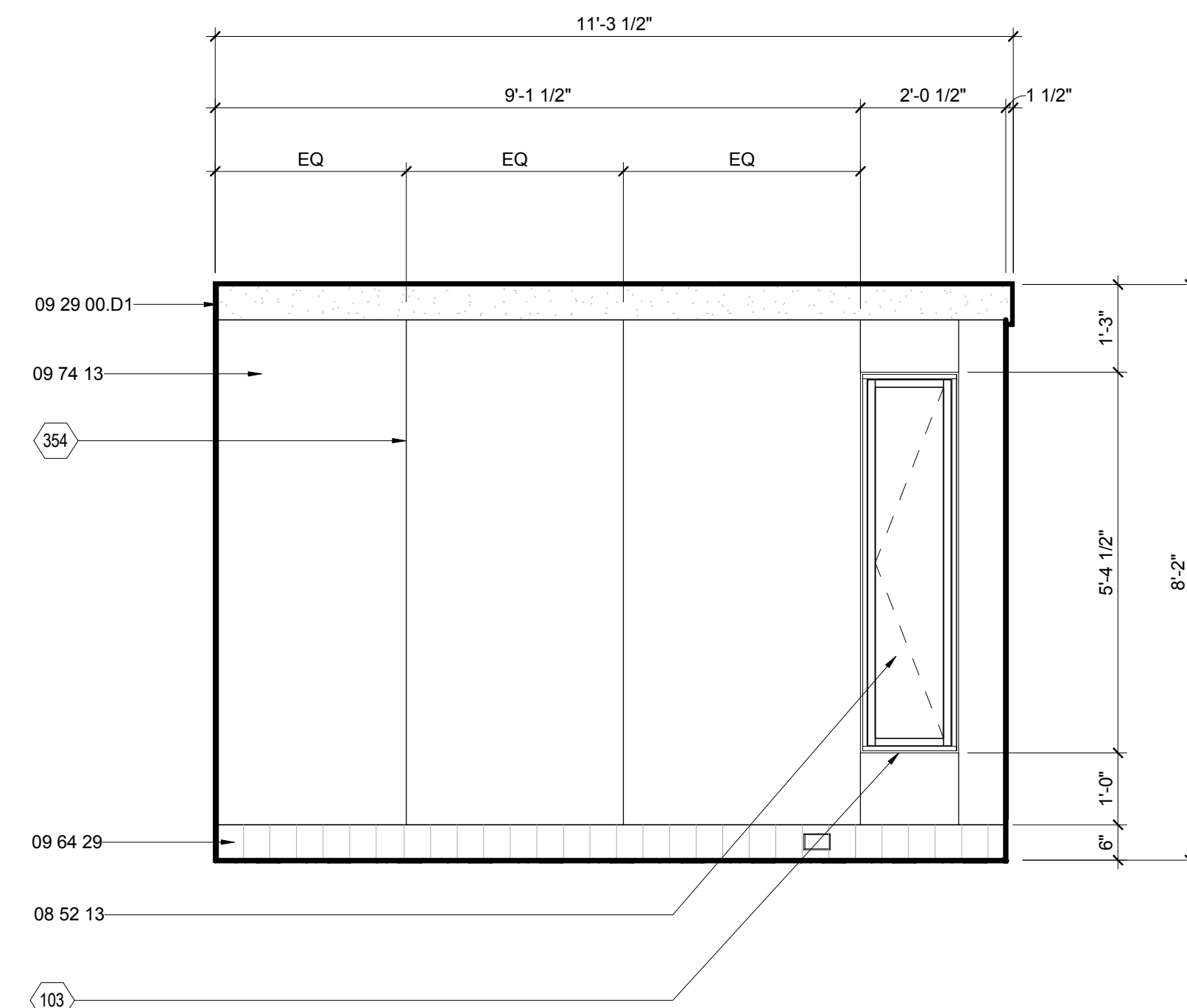
GENERAL SHEET NOTES

REFERENCE KEYNOTES

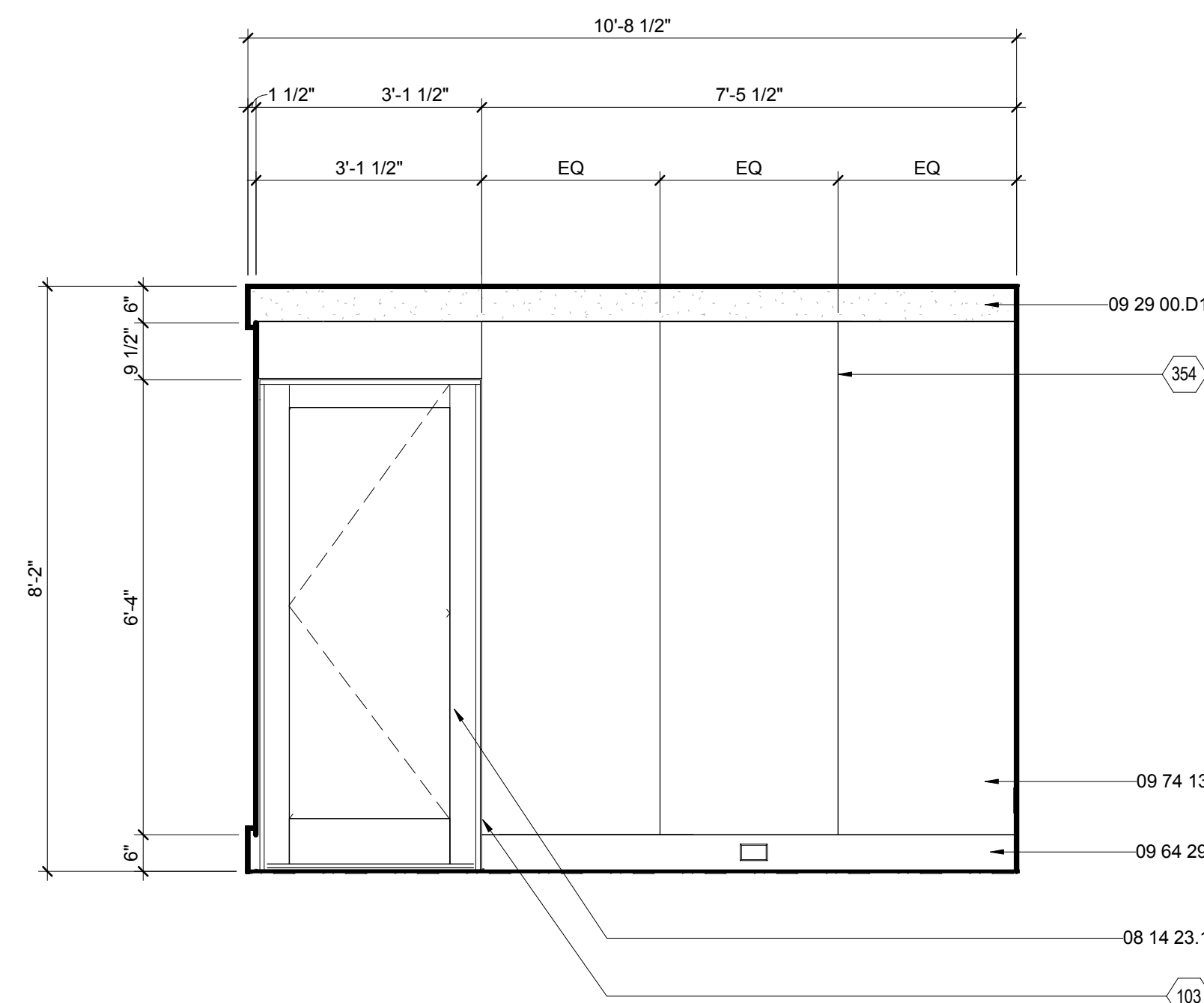
06 11 00.D1	2X4
06 16 00.C5	3/4" PARTICLEBOARD
06 64 00	PLASTIC PANELING
07 46 23	WOOD SIDING
08 14 23.13	METAL-FACED WOOD DOORS
08 14 73	SLIDING WOOD DOORS
08 52 13	METAL-CLAD WOOD WINDOWS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
21 10 00.A1	4.2K HORIZONTAL SIDEWALL SPRINKLER

SHEET KEYNOTES

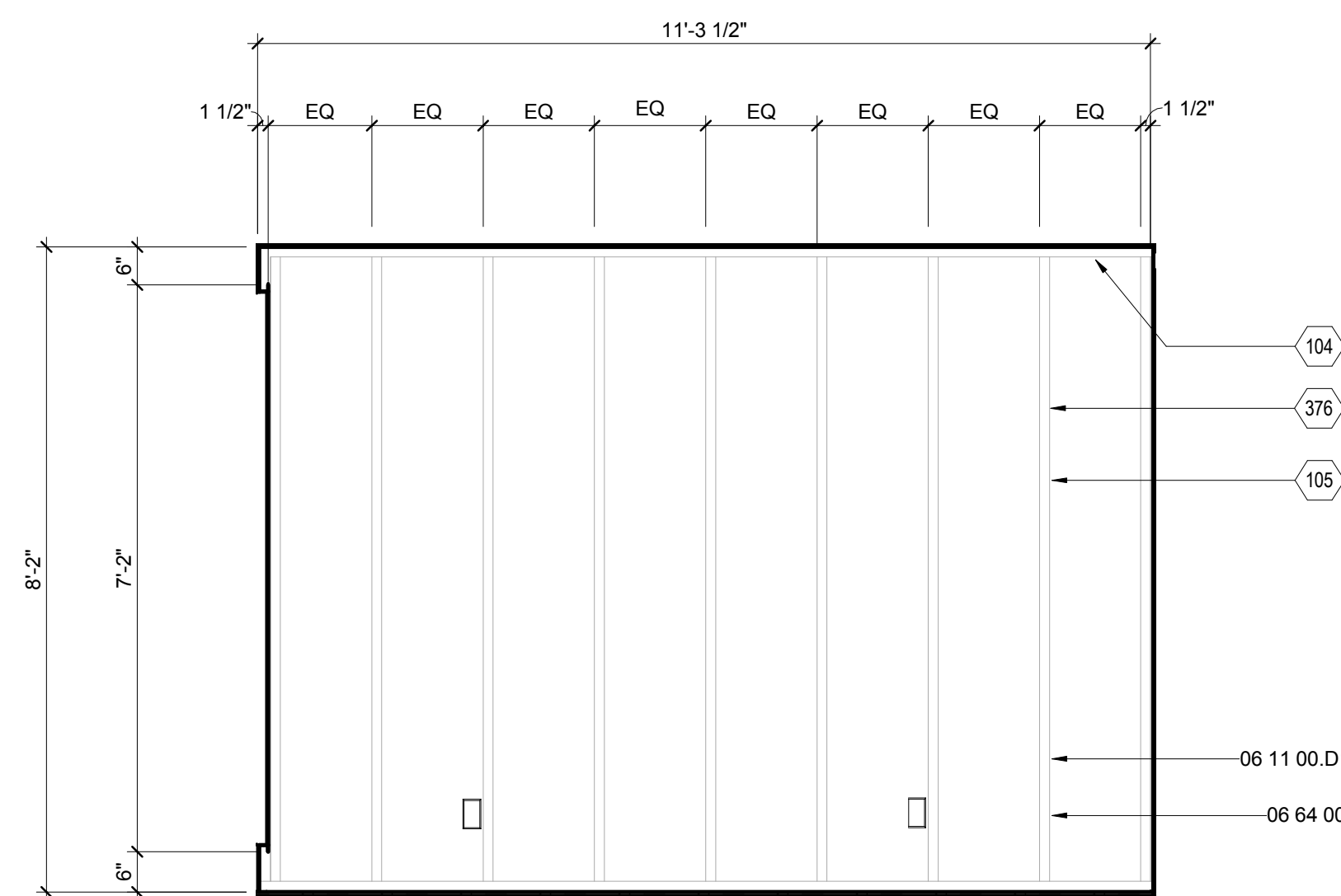
103	3/8" REVEAL
104	LIGHTING IN WALL
105	STUDS BEYOND
107	POLYCARBONATE POCKET DOOR
108	1 3/4" X 12" HVAC SUPPLY
121	CUT OUT HOLES IN DOORS FOR AIR RETURNS
166	3" X 9" HVAC RETURN
354	1/8" REVEAL
376	POLYCARBONATE WALL



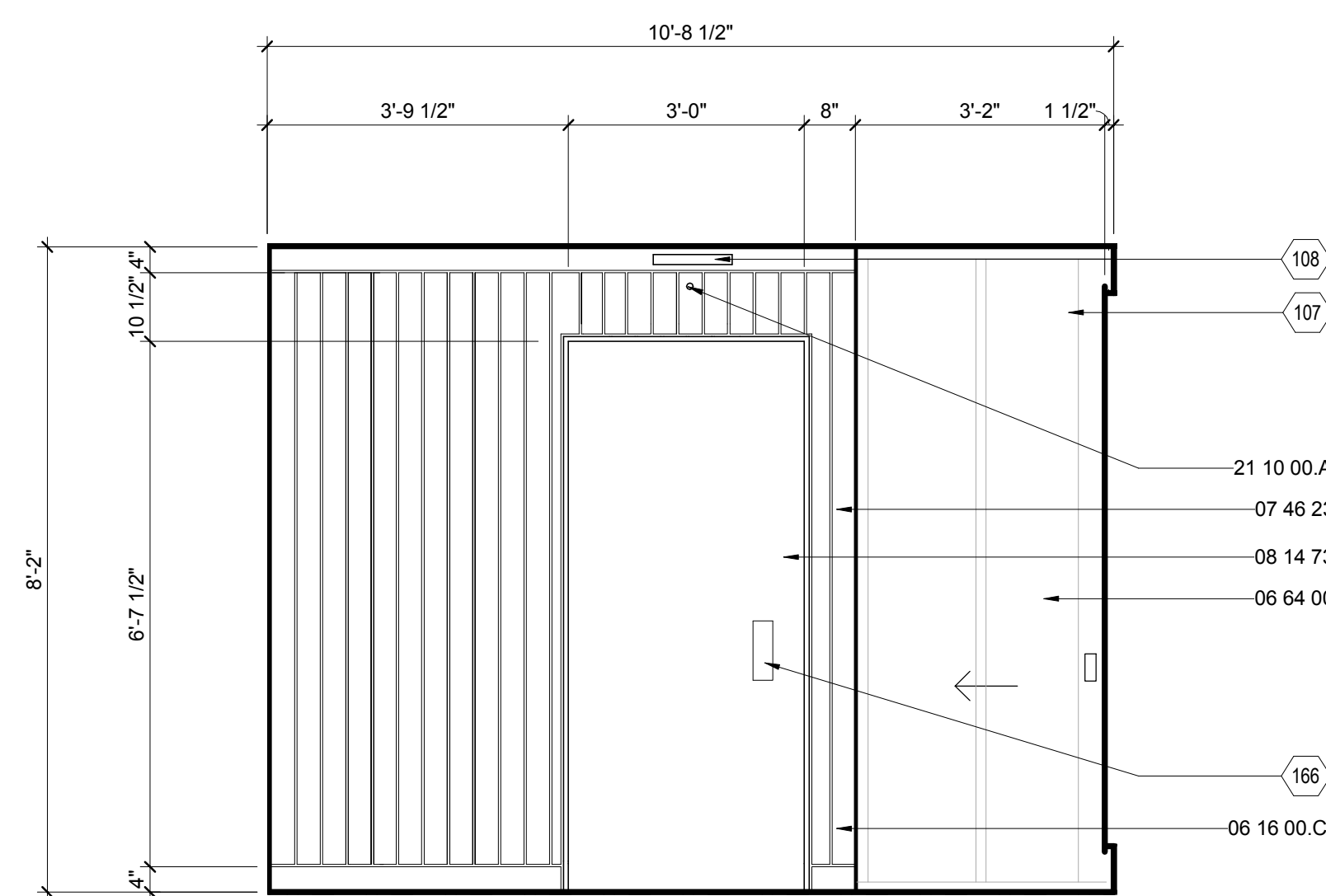
E2 NORTH BEDROOM NORTH ELEVATION
1/2" = 1'-0"



E6 NORTH BEDROOM EAST ELEVATION
1/2" = 1'-0"



B2 NORTH BEDROOM SOUTH ELEVATION
1/2" = 1'-0"



B6 NORTH BEDROOM WEST ELEVATION
1/2" = 1'-0"

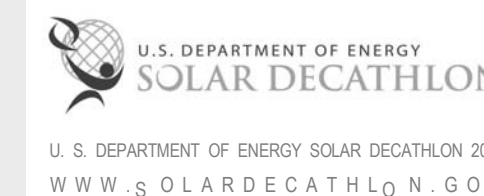


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APPALACHIAN STATE UNIVERSITY

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MARK - DATE - DESCRIPTION

SHEET TITLE:
SOUTH BEDROOM INTERIOR
ELEVATION

SHEET NUMBER:

I-205

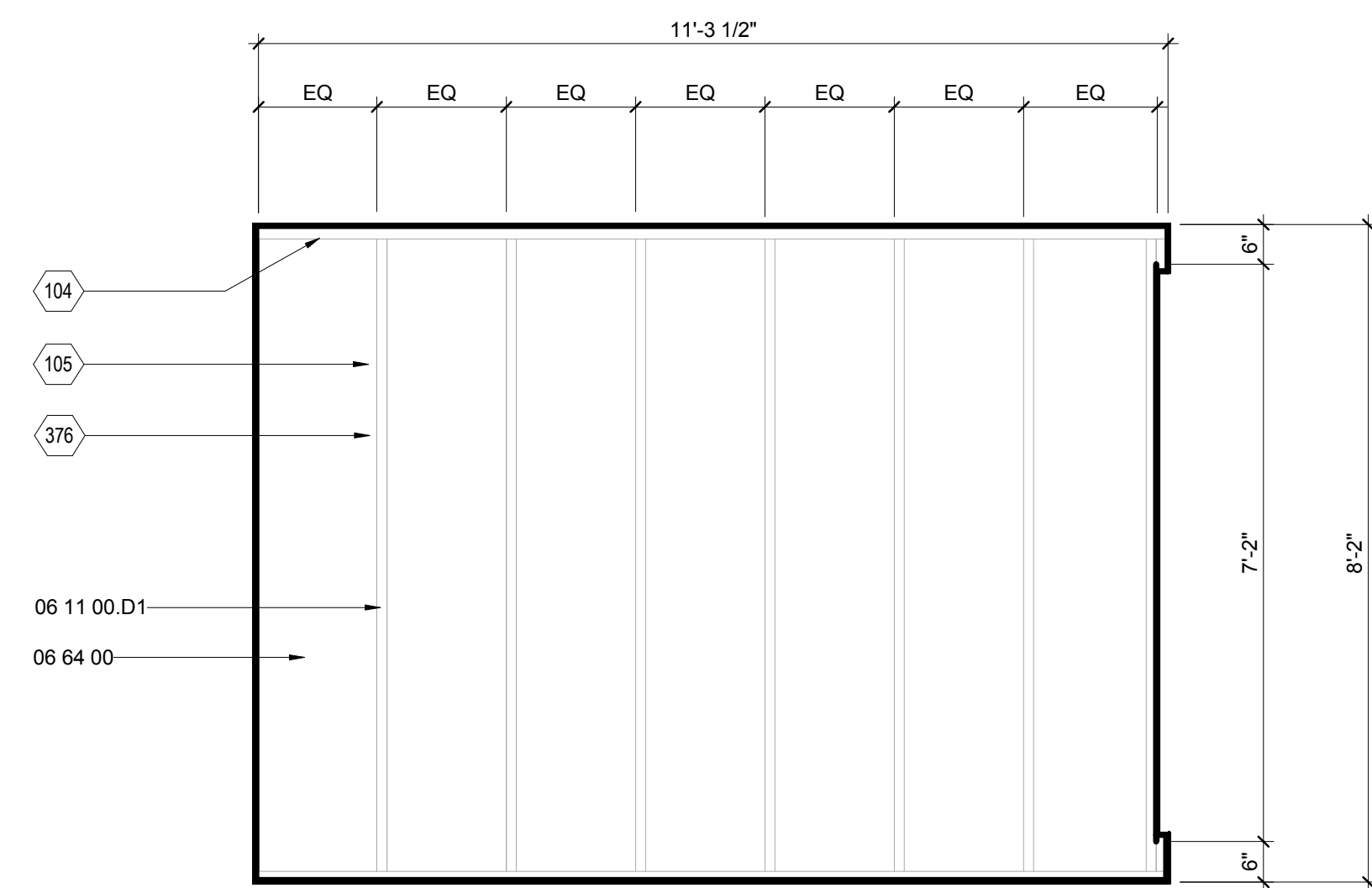
GENERAL SHEET NOTES

REFERENCE KEYNOTES

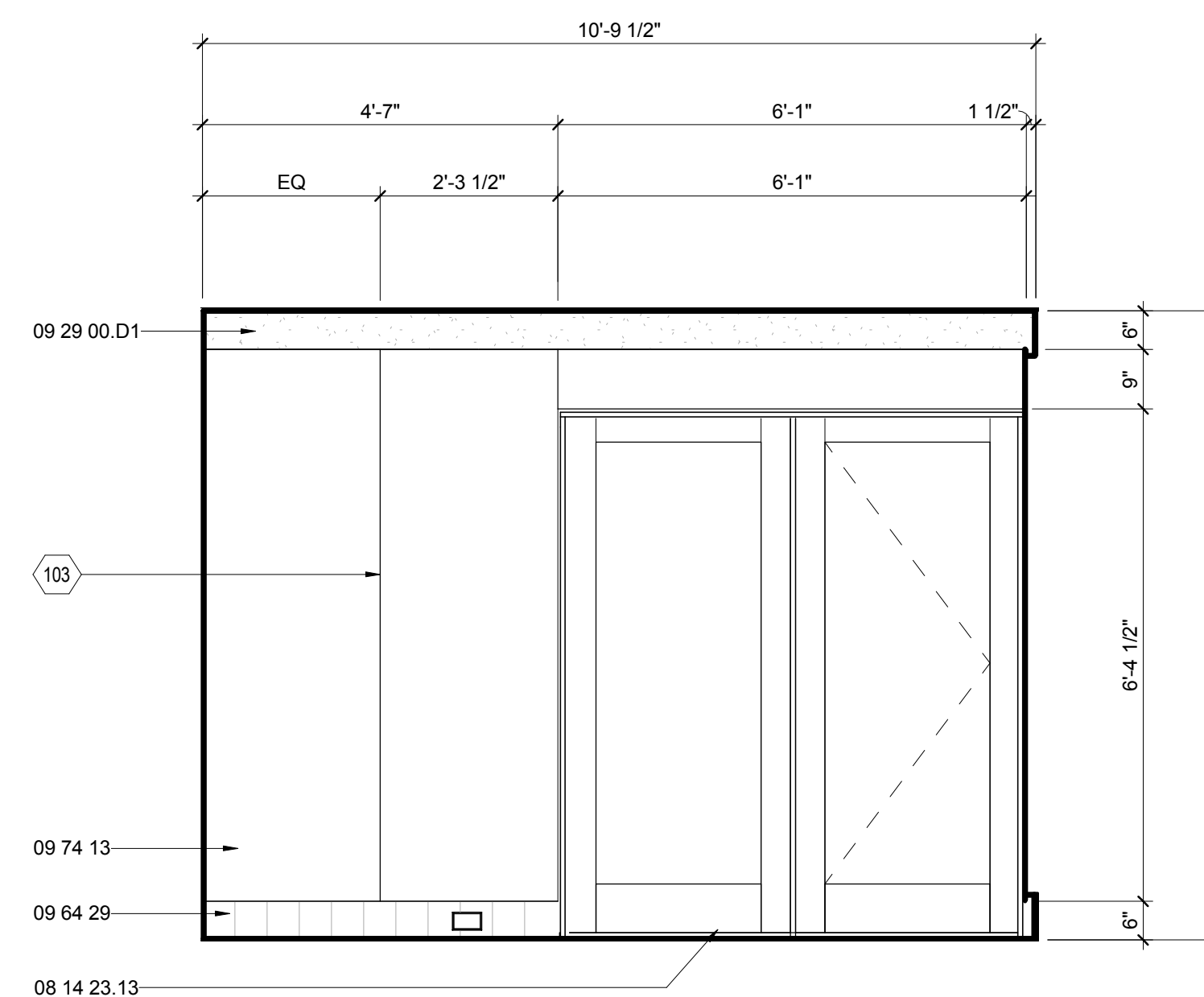
06 11 00.D1	2X4
06 16 00.C5	3/4" PARTICLEBOARD
06 64 00	PLASTIC PANELING
08 14 23.13	METAL-FACED WOOD DOORS
08 14 73	SLIDING WOOD DOORS
08 52 13	METAL-CLAD WOOD WINDOWS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
21 10 00.A1	4.2K HORIZONTAL SIDEWALL SPRINKLER

SHEET KEYNOTES

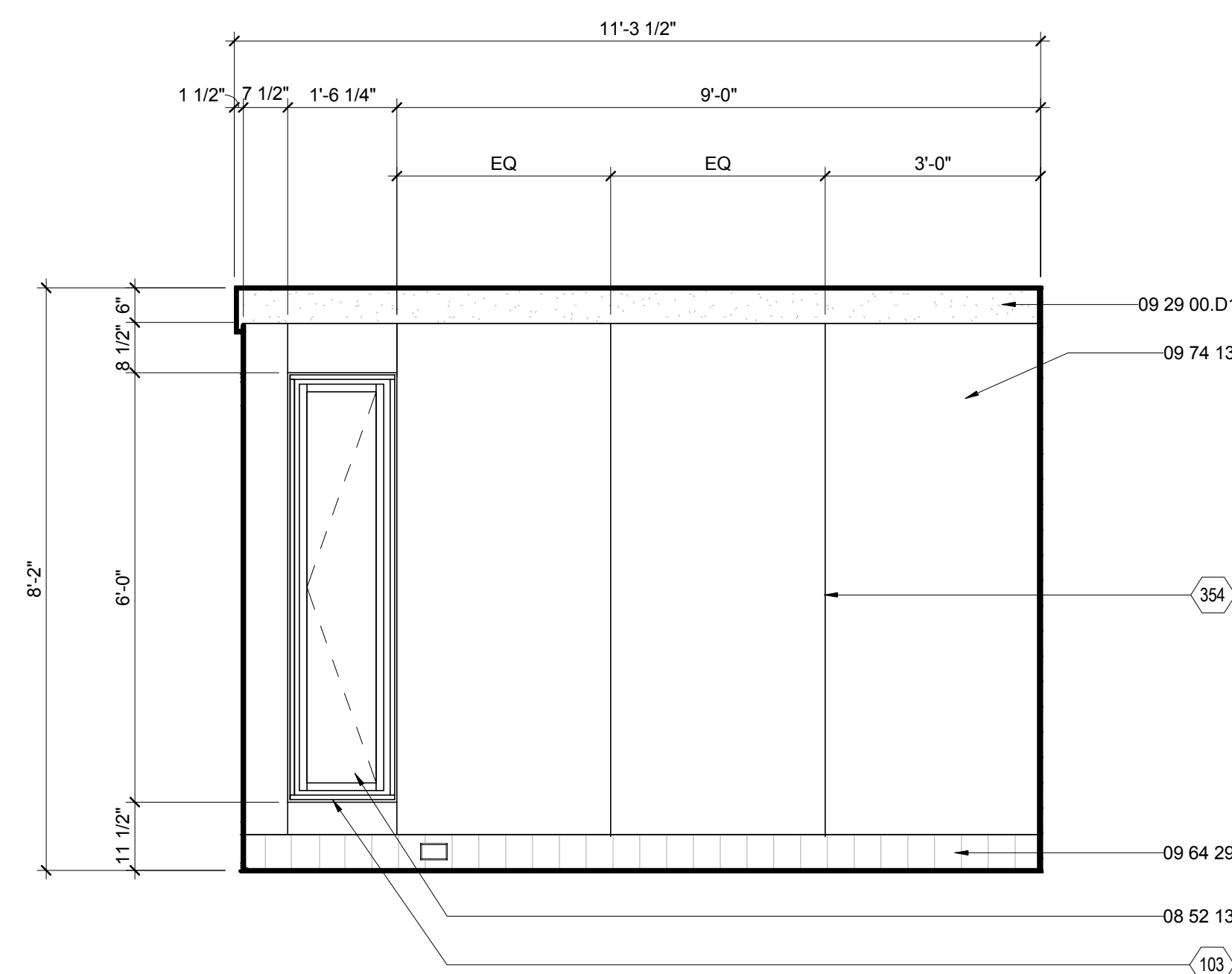
85	3"X 9" HVAC RETURN/ DOOR HANDLE
103	3/8" REVEAL
104	LIGHTING IN WALL
105	STUDS BEYOND
107	POLYCARBONATE POCKET DOOR
108	1 3/4" X 12" HVAC SUPPLY
354	1/8" REVEAL
376	POLYCARBONATE WALL



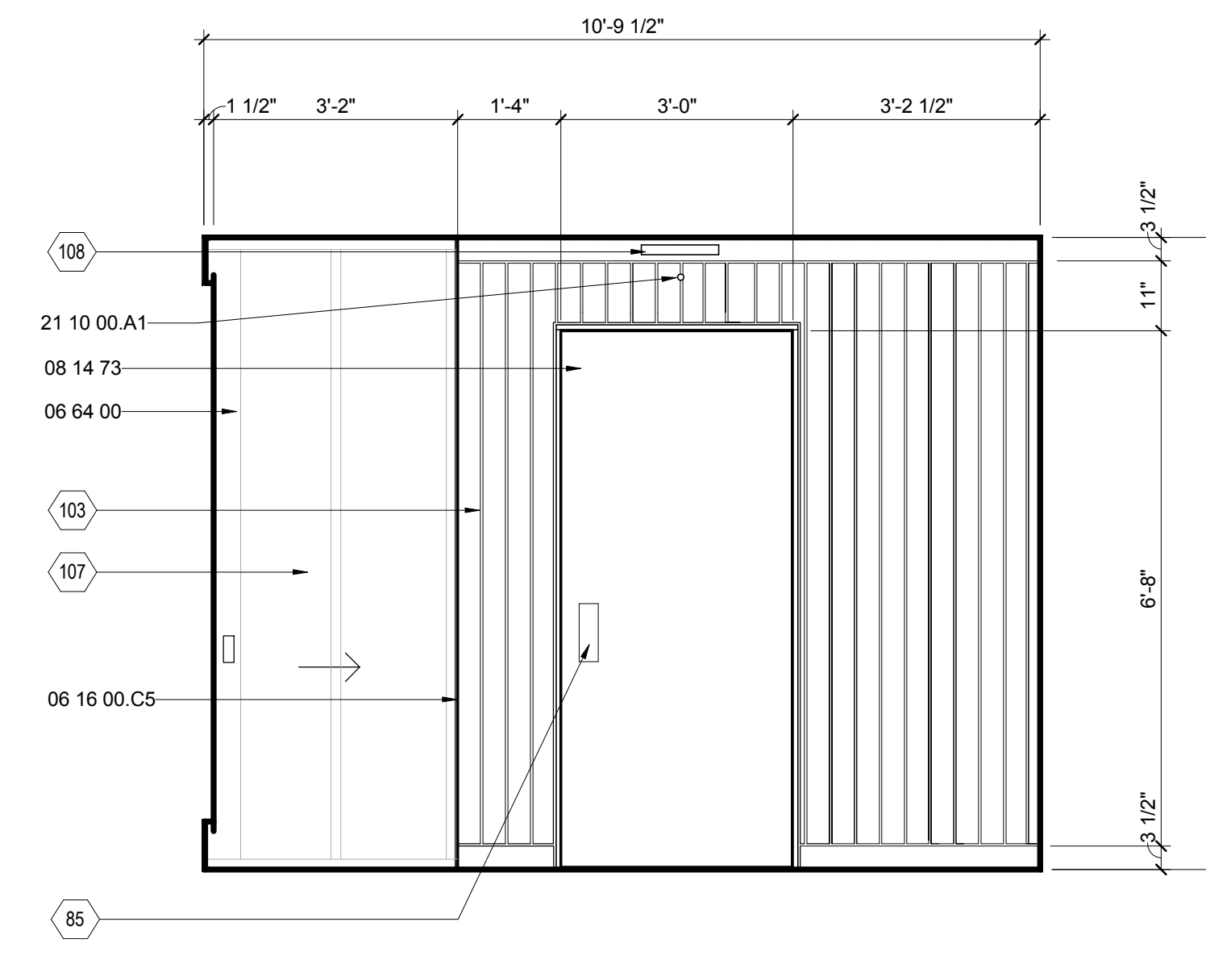
E2 SOUTH BEDROOM NORTH ELEVATION
1/2" = 1'-0"



E6 SOUTH BEDROOM EAST ELEVATION
1/2" = 1'-0"



B2 SOUTH BEDROOM SOUTH ELEVATION
1/2" = 1'-0"



B6 SOUTH BEDROOM WEST ELEVATION
1/2" = 1'-0"

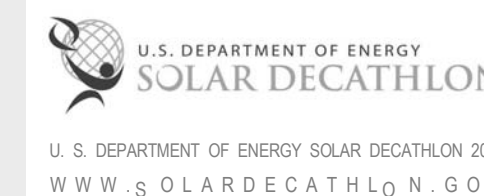


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MARK - DATE - DESCRIPTION

SHEET TITLE:
NORTH HALL INTERIOR
ELEVATION

SHEET NUMBER:

I-206

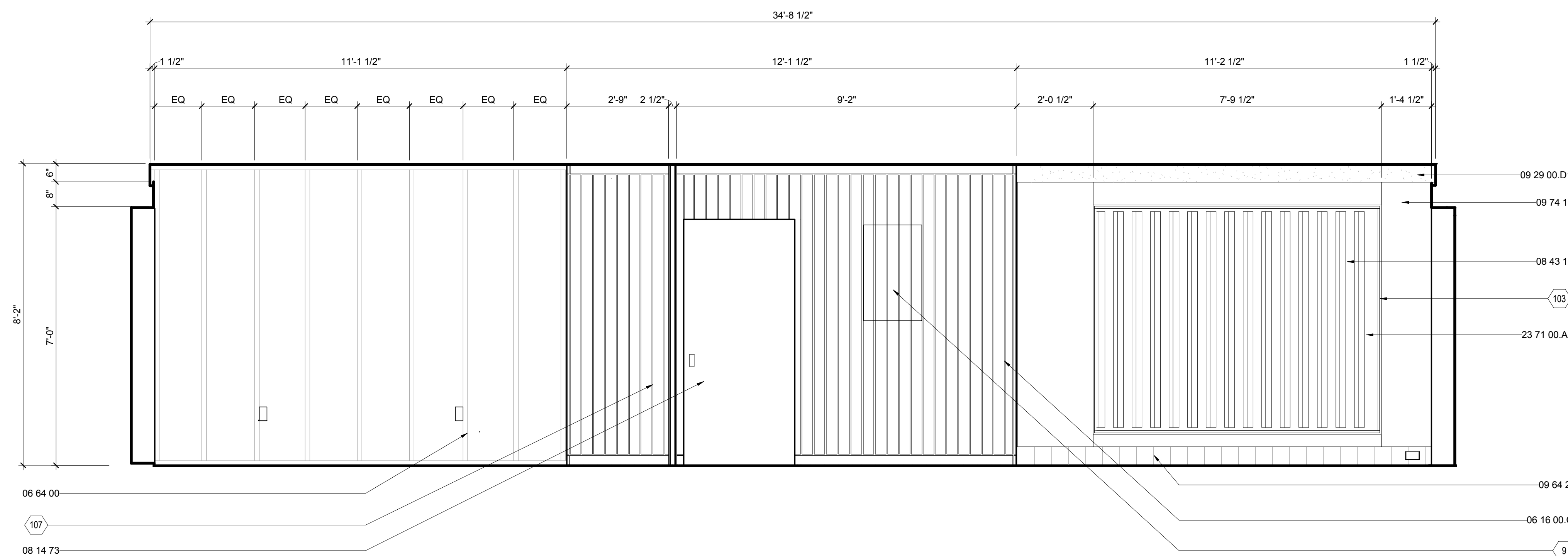
GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 16 00.C5	3/4" PARTICLEBOARD
06 64 00	PLASTIC PANELING
08 14 73	SLIDING WOOD DOORS
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 52 13	METAL-CLAD WOOD WINDOWS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
23 71 00.A1	TROMBE WALL

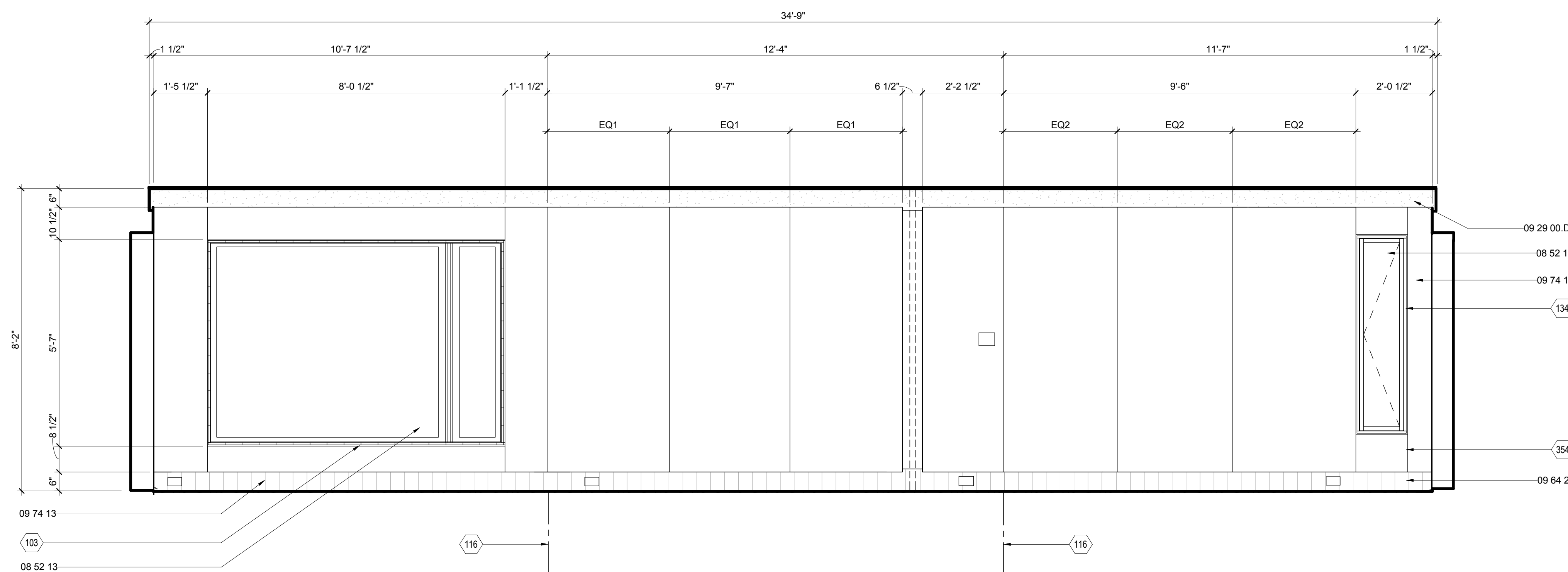
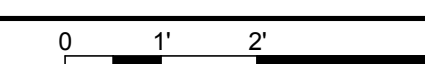
SHEET KEYNOTES

9	PANELBOARD BEHIND
103	3/8" REVEAL
107	POLYCARBONATE POCKET DOOR
116	TRAILER MARRIAGE LINES
134	1/4" GAP
354	1/8" REVEAL



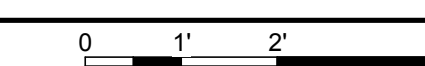
E1 NORTH HALL SOUTH ELEVATION

1/2" = 1'-0"



A1 NORTH HALL NORTH ELEVATION

1/2" = 1'-0"



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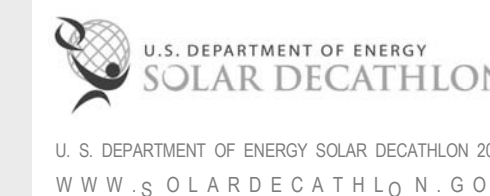


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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CLIENT:



LOT #: 205 | APPST
DRAWN BY: MAS, JS, JA
CHECKED BY: KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
SOUTH HALL INTERIOR
ELEVATION

SHEET NUMBER:

I-207

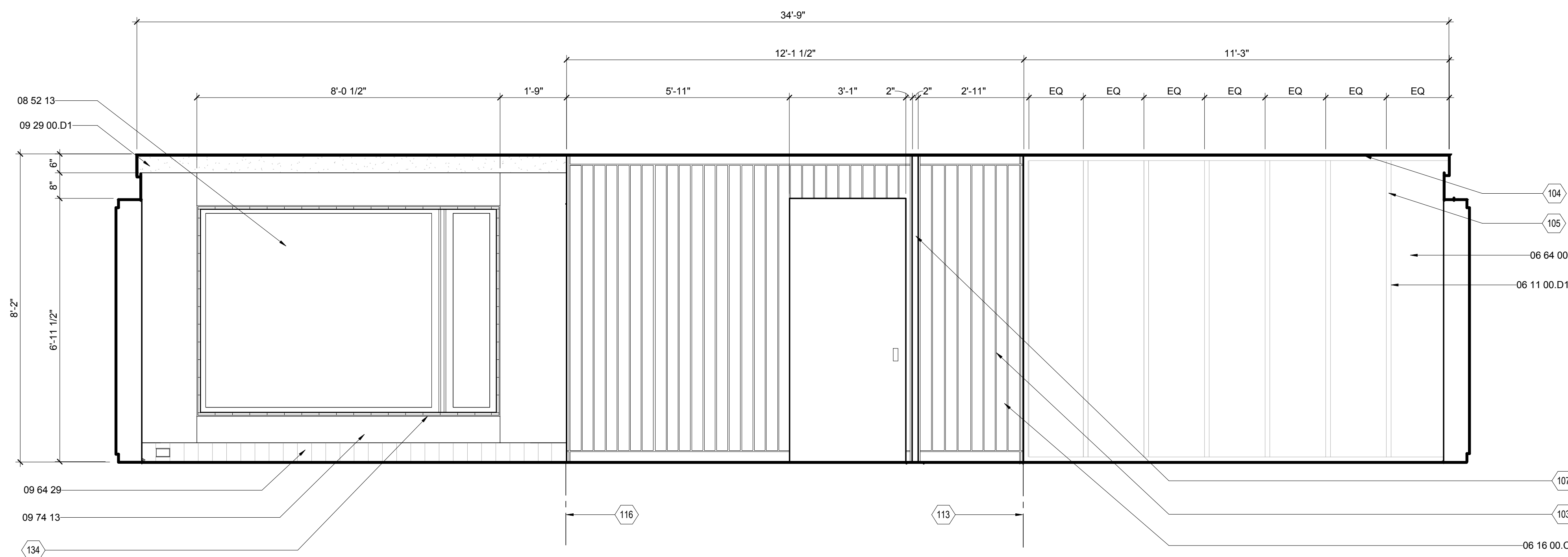
GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 11 00.D1	2X4
06 16 00.C5	3/4" PARTICLEBOARD
06 64 00	PLASTIC PANELING
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 52 13	METAL-CLAD WOOD WINDOWS
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
23 71 00.A1	TROMBE WALL

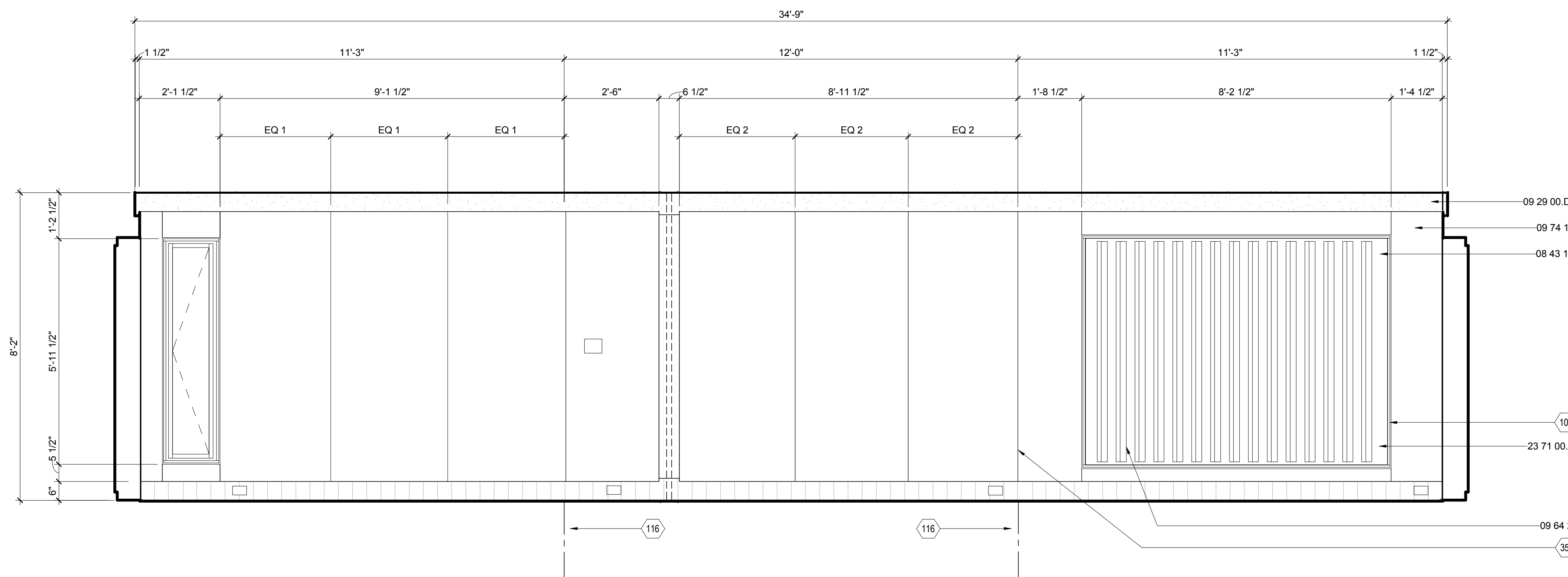
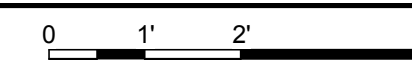
SHEET KEYNOTES

103	3/8" REVEAL
104	LIGHTING IN WALL
105	STUDS BEYOND
107	POLYCARBONATE POCKET DOOR
113	TWO LAYERS OF 3/4" PLYWOOD CROSS LAID
116	TRAILER MARRIAGE LINES
134	1/4" GAP
354	1/8" REVEAL



E1 SOUTH HALL NORTH ELEVATION

1/2" = 1'-0"



A1 SOUTH HALL SOUTH ELEVATION

1/2" = 1'-0"



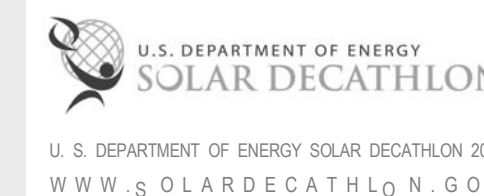


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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
FLEX SPACE INTERIOR
ELEVATION

SHEET NUMBER:

I-208

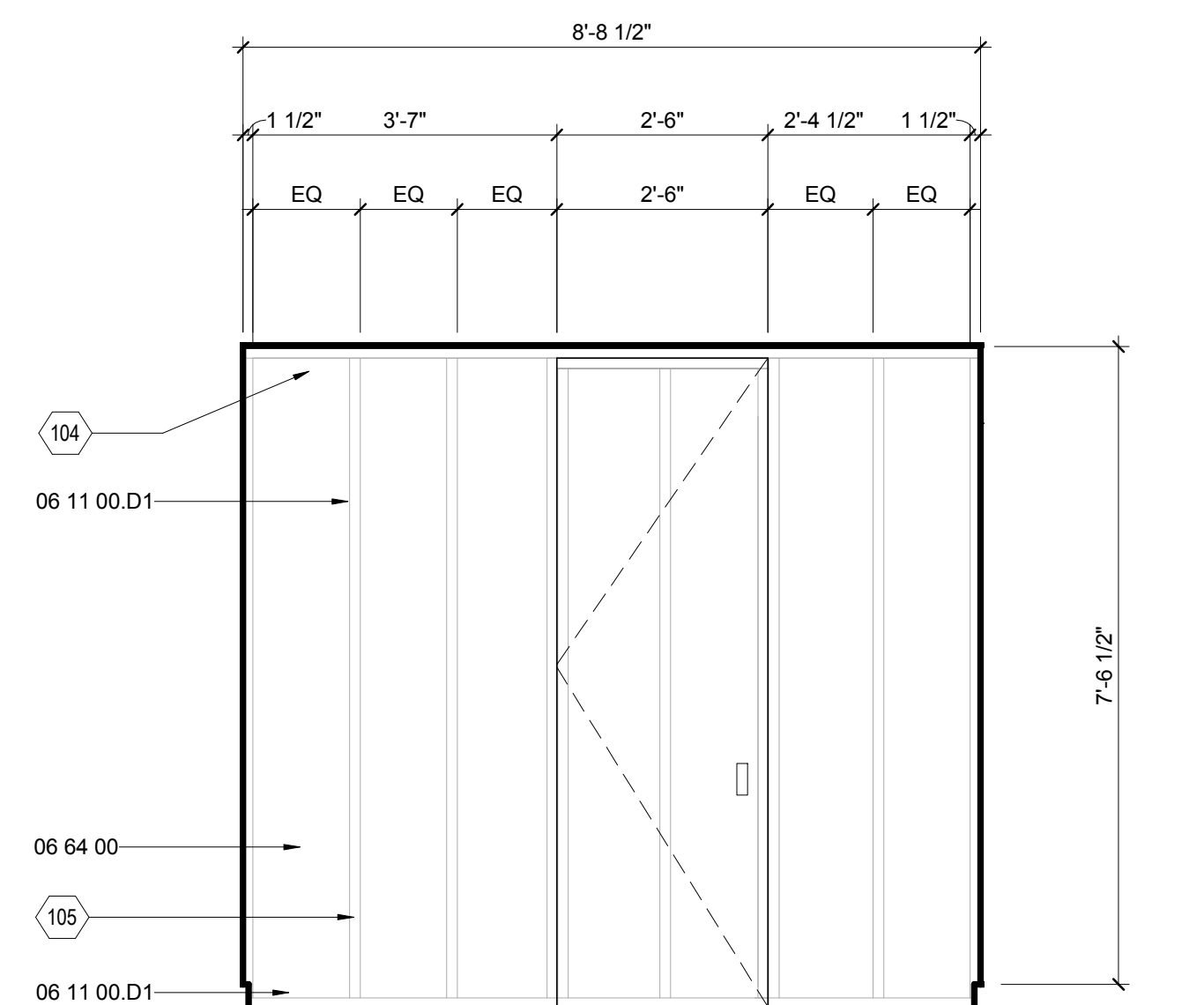
GENERAL SHEET NOTES

REFERENCE KEYNOTES

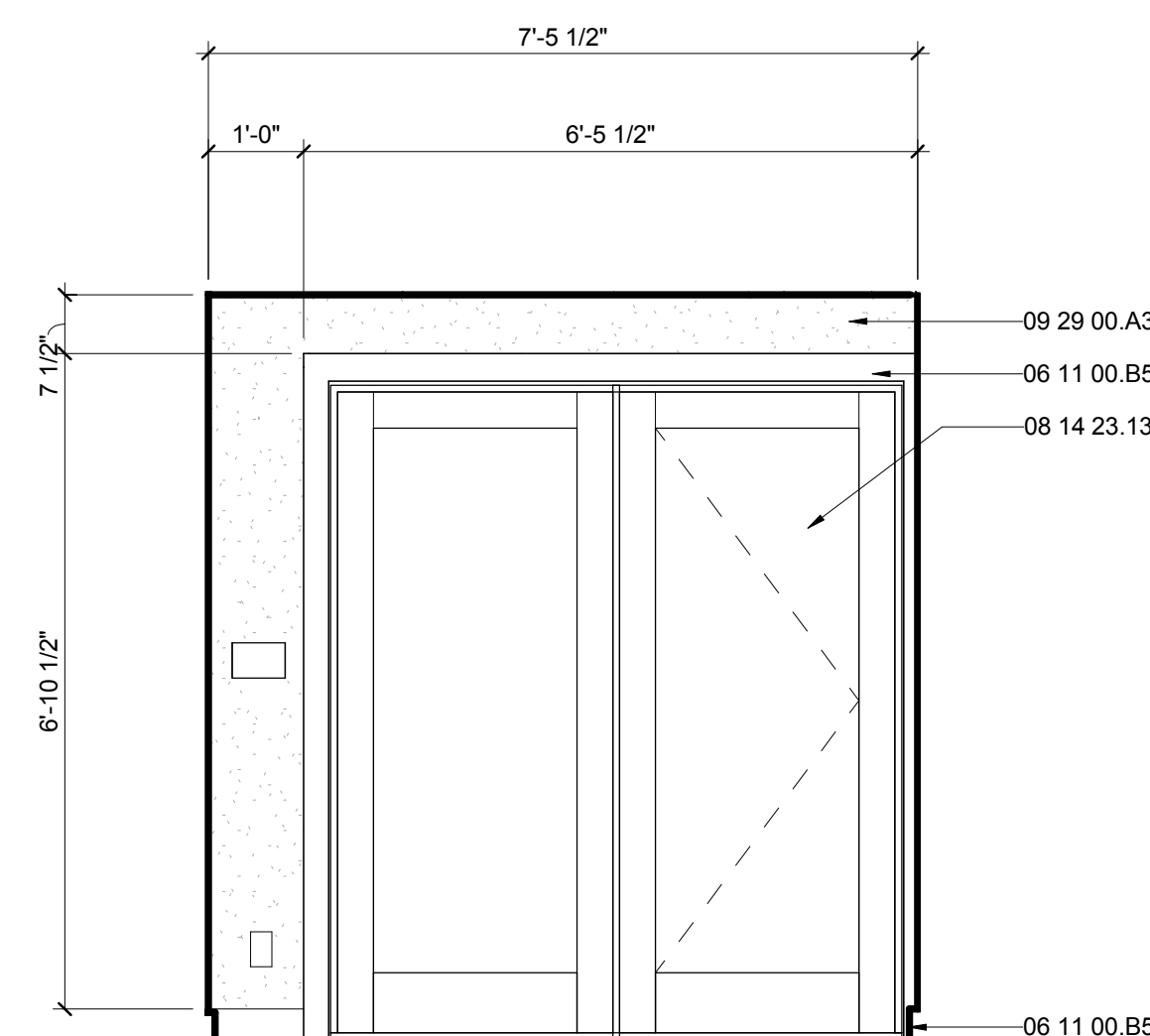
06 11 00.B5	1X4
06 11 00.D1	2X4
06 64 00	PLASTIC PANELING
08 14 23.13	METAL-FACED WOOD DOORS
08 52 13	METAL-CLAD WOOD WINDOWS
09 29 00.A3	1/2" GYPSUM WALLBOARD
21 10 00.A1	4.2K HORIZONTAL SIDEWALL SPRINKLER
23 81 43.B1	FLEX OM HEAT PUMP - INDOOR UNIT

SHEET KEYNOTES

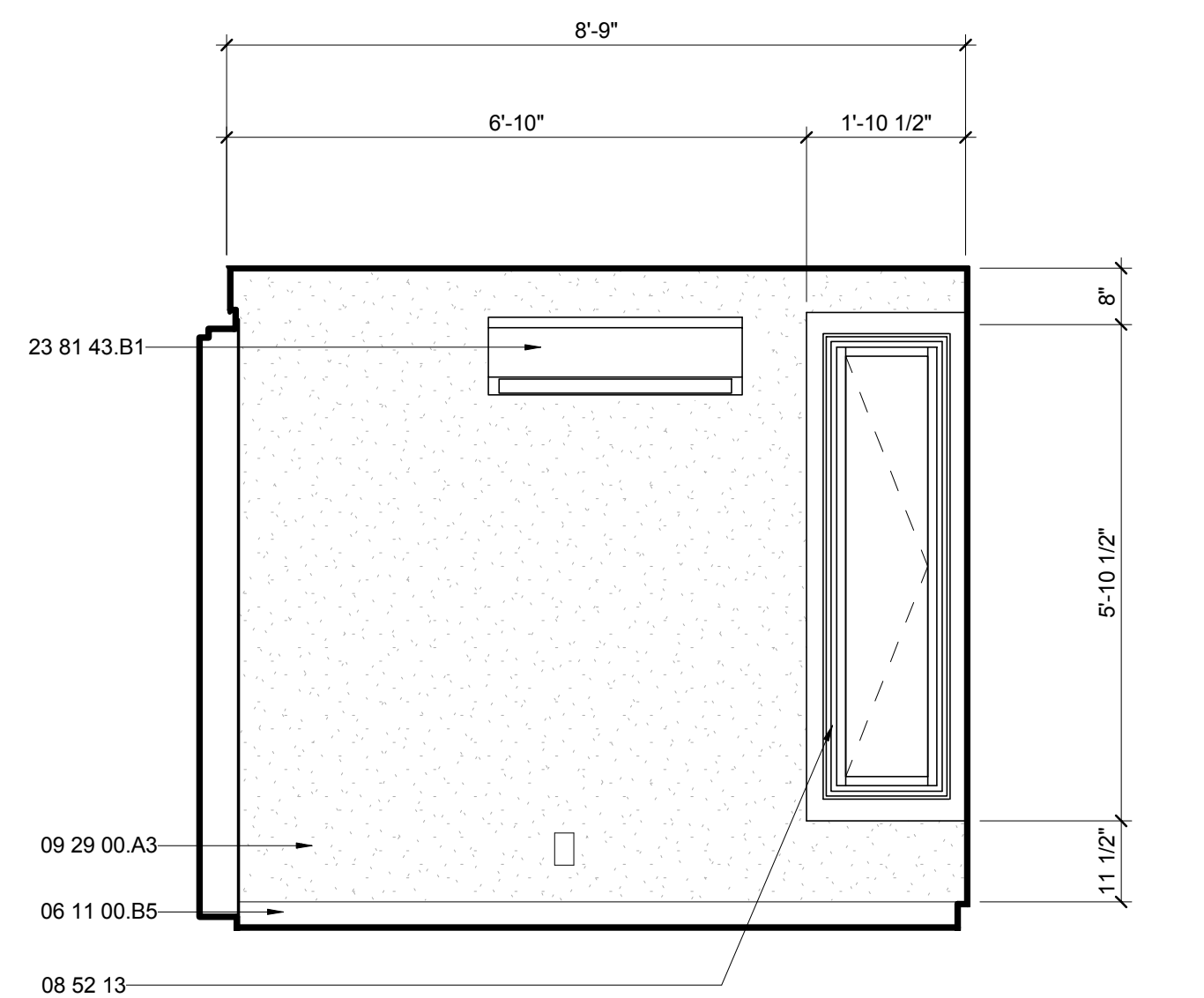
104	LIGHTING IN WALL
105	STUDS BEYOND



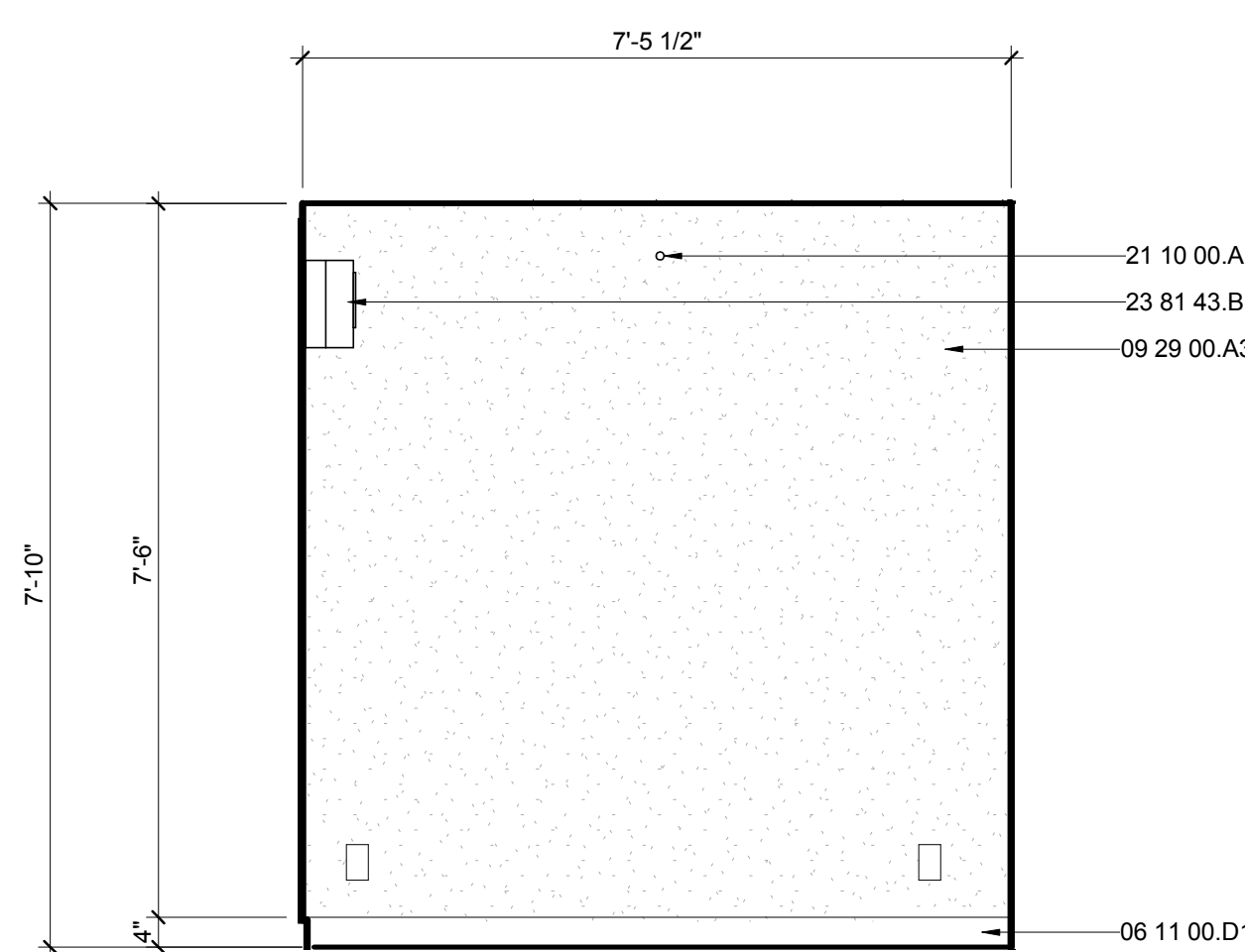
E2 FLEX NORTH ELEVATION
1/2" = 1'-0"



E5 FLEX EAST ELEVATION
1/2" = 1'-0"



B2 FLEX SOUTH ELEVATION
1/2" = 1'-0"



B5 FLEX WEST ELEVATION
1/2" = 1'-0"



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1100 EAST KING STREET
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
FLEX BATH INTERIOR
ELEVATIONS

SHEET NUMBER:

I-209

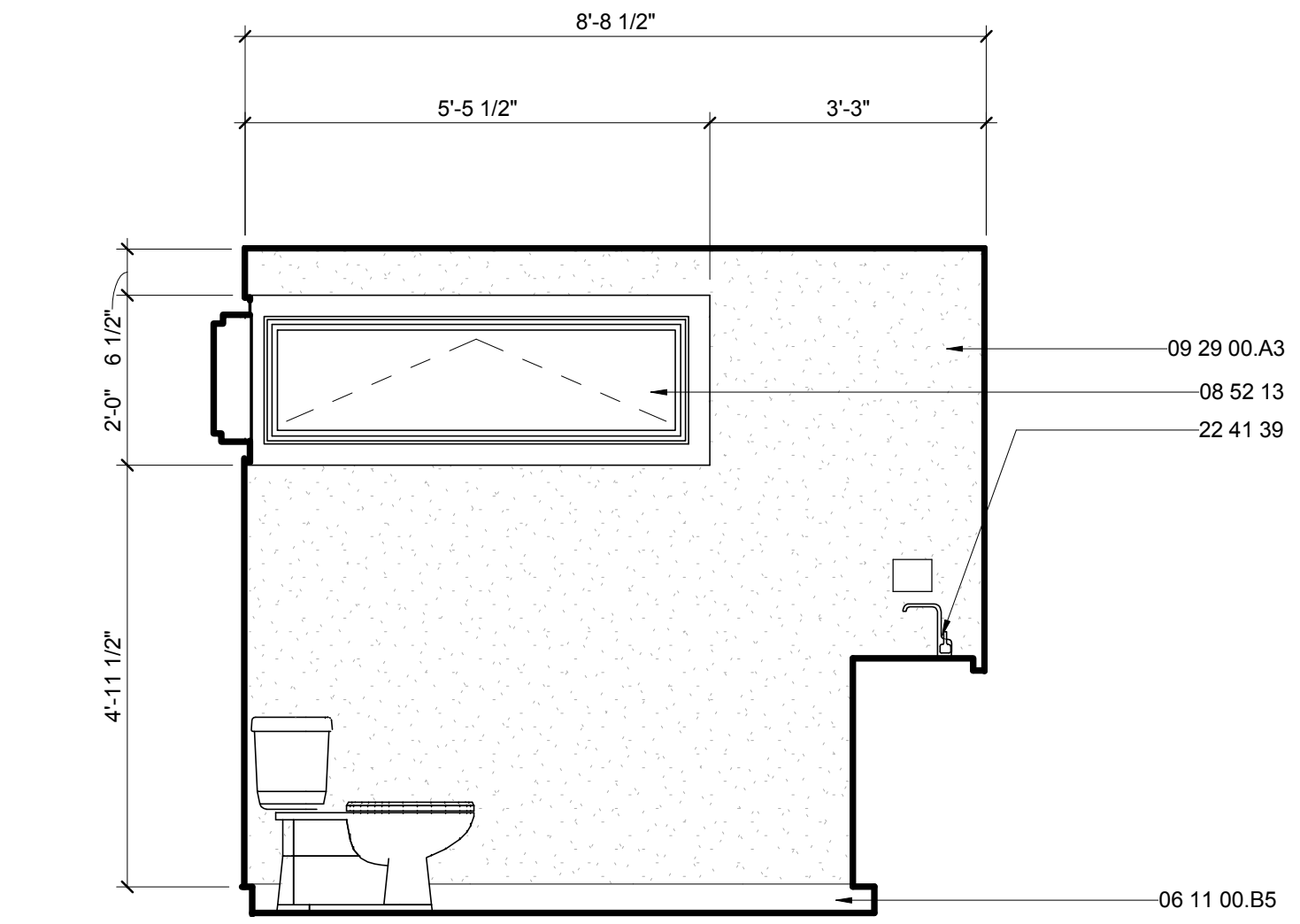
GENERAL SHEET NOTES

REFERENCE KEYNOTES

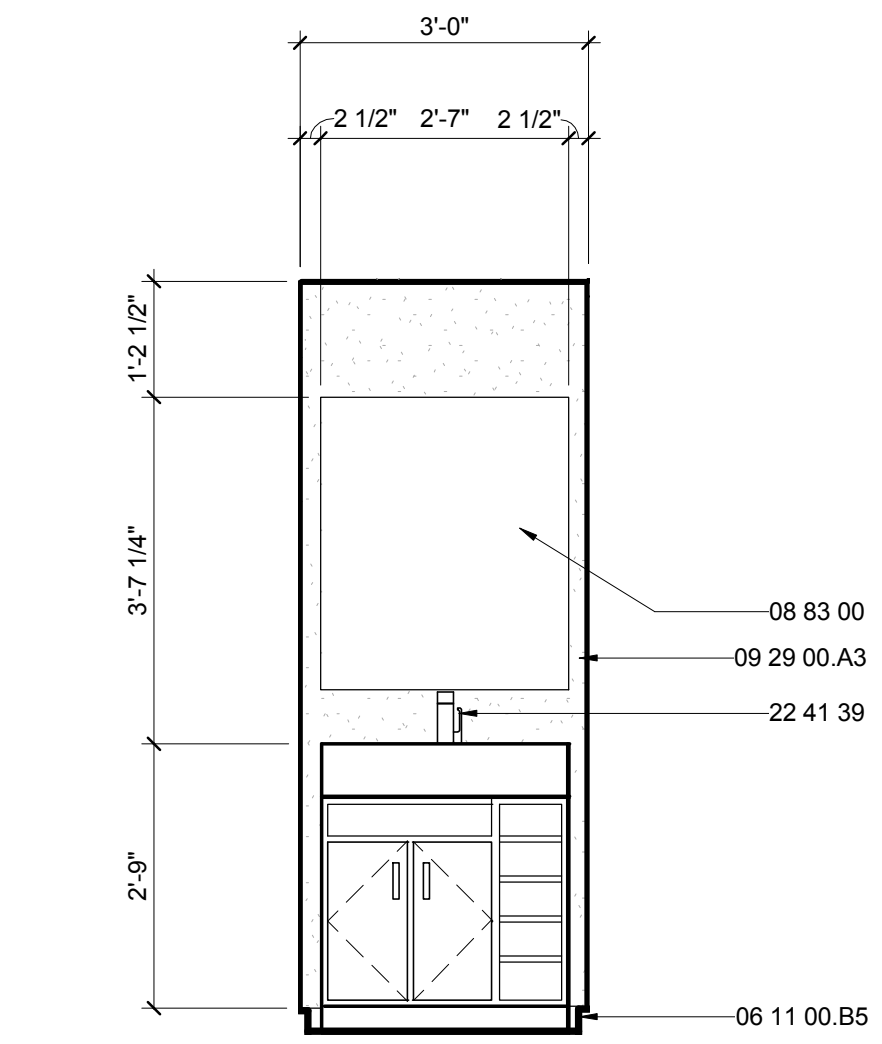
06 11 00.B5	1X4
06 11 00.D1	2X4
06 64 00	PLASTIC PANELING
08 52 13	METAL-CLAD WOOD WINDOWS
08 83 00	MIRRORS
09 29 00.A3	1/2" GYPSUM WALLBOARD
22 41 39	RESIDENTIAL FAUCETS, SUPPLIES AND TRIM

SHEET KEYNOTES

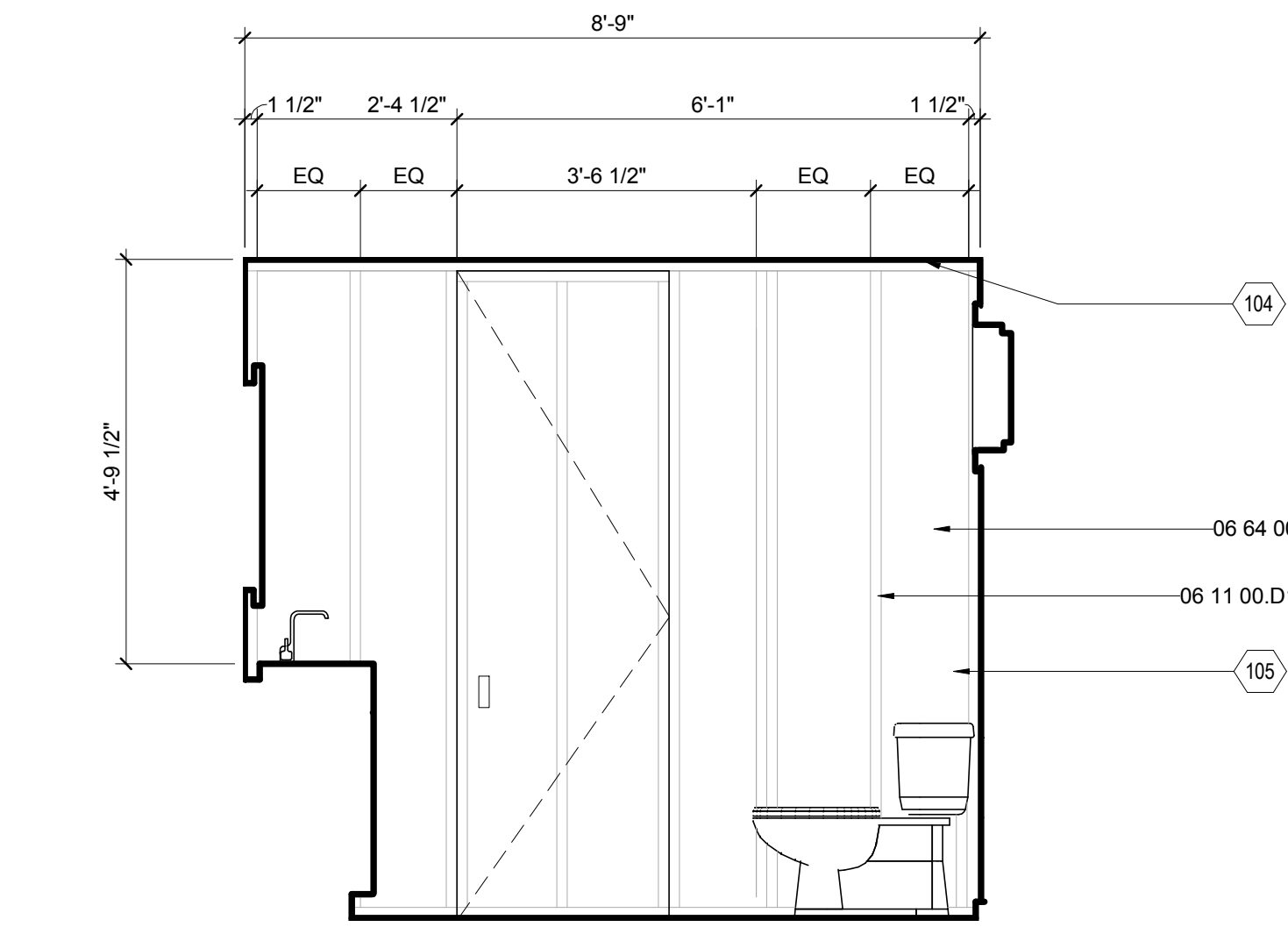
104	LIGHTING IN WALL
105	STUDS BEYOND



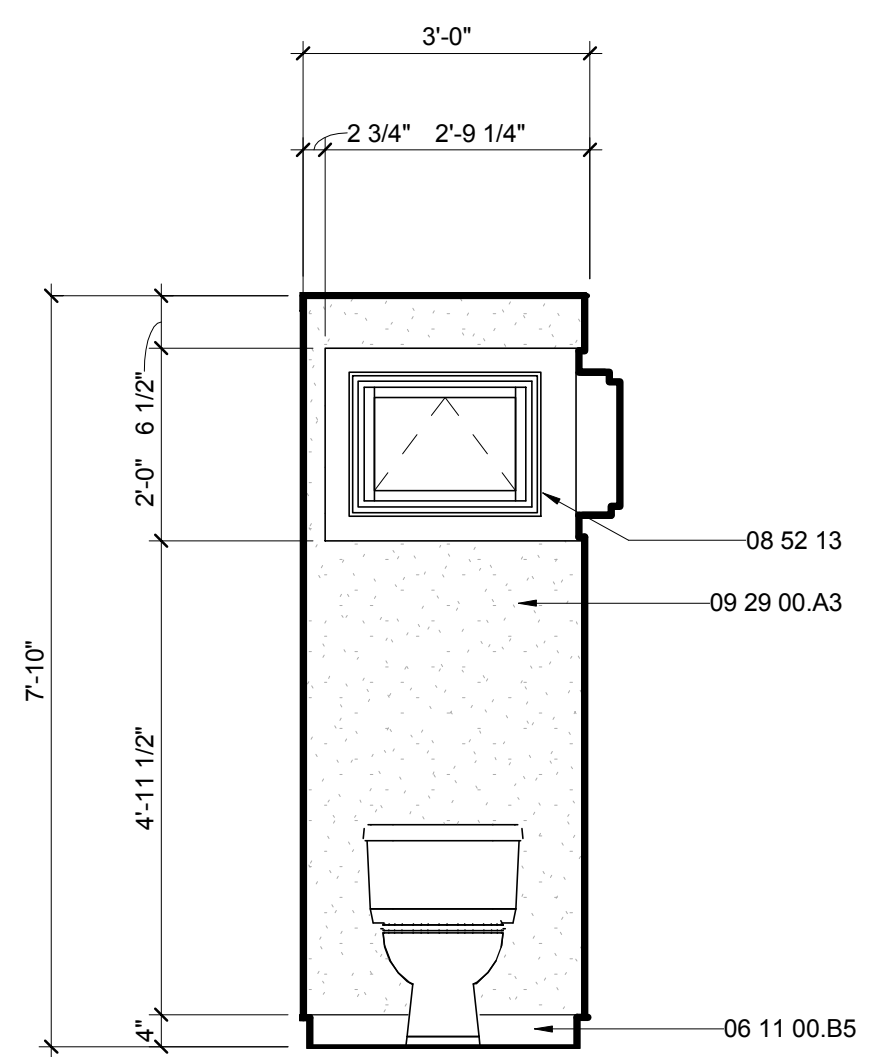
E3 FLEX BATH NORTH ELEVATION
1/2" = 1'-0"



E7 FLEX BATH EAST ELEVATION
1/2" = 1'-0"



B3 FLEX BATH SOUTH ELEVATION
1/2" = 1'-0"



B7 FLEX BATH WEST ELEVATION
1/2" = 1'-0"

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MARK - DATE - DESCRIPTION

SHEET TITLE:
FURNISHING PLANS

SHEET NUMBER:

I-401

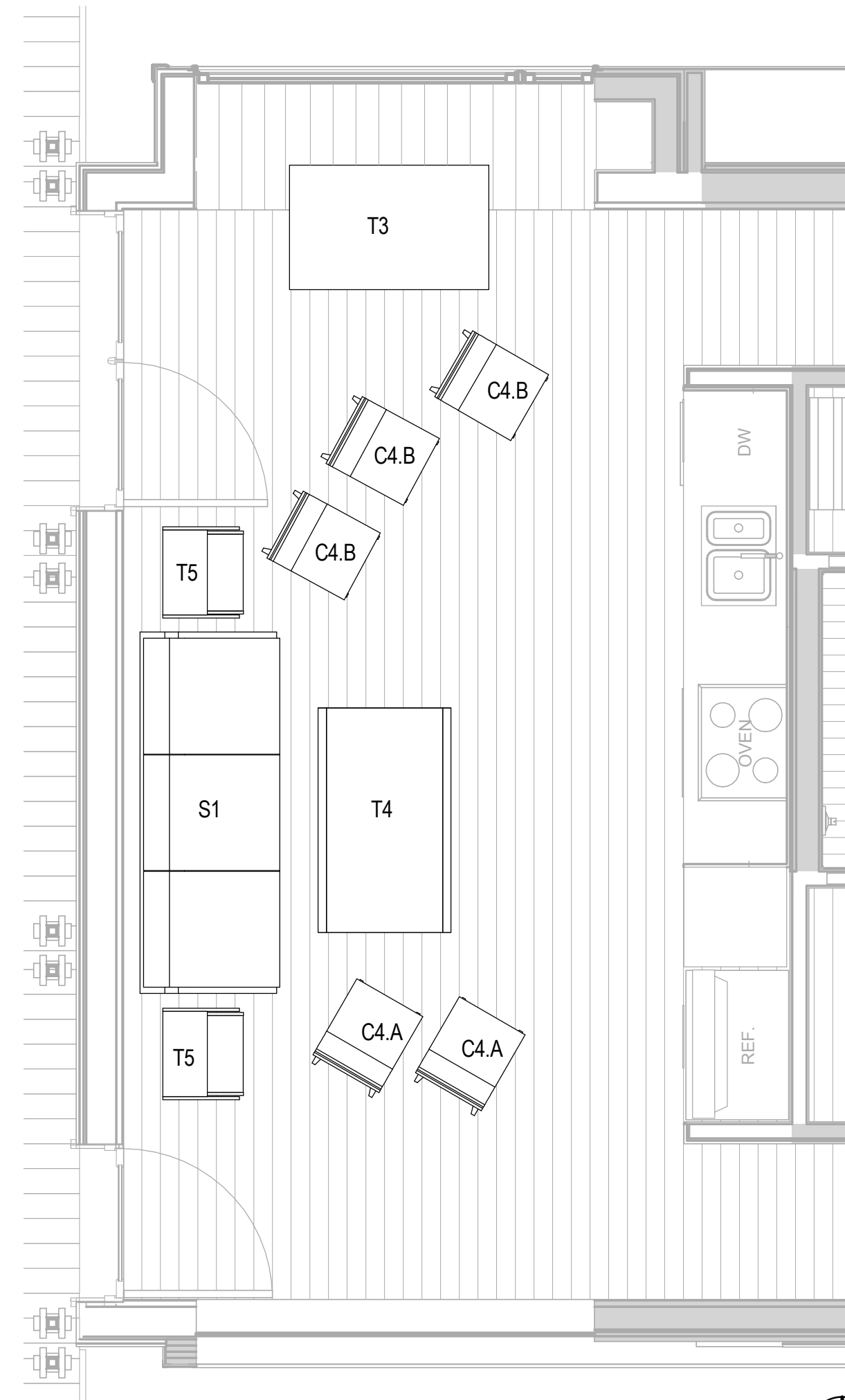
GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



B3 DAILY FURNITURE FLOOR PLAN
3/8" = 1'-0"
0 2' 4' 6'



B6 MOVIE NIGHT FURNITURE FLOOR PLAN
3/8" = 1'-0"
0 2' 4' 6'

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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
FURNISHING PLANS

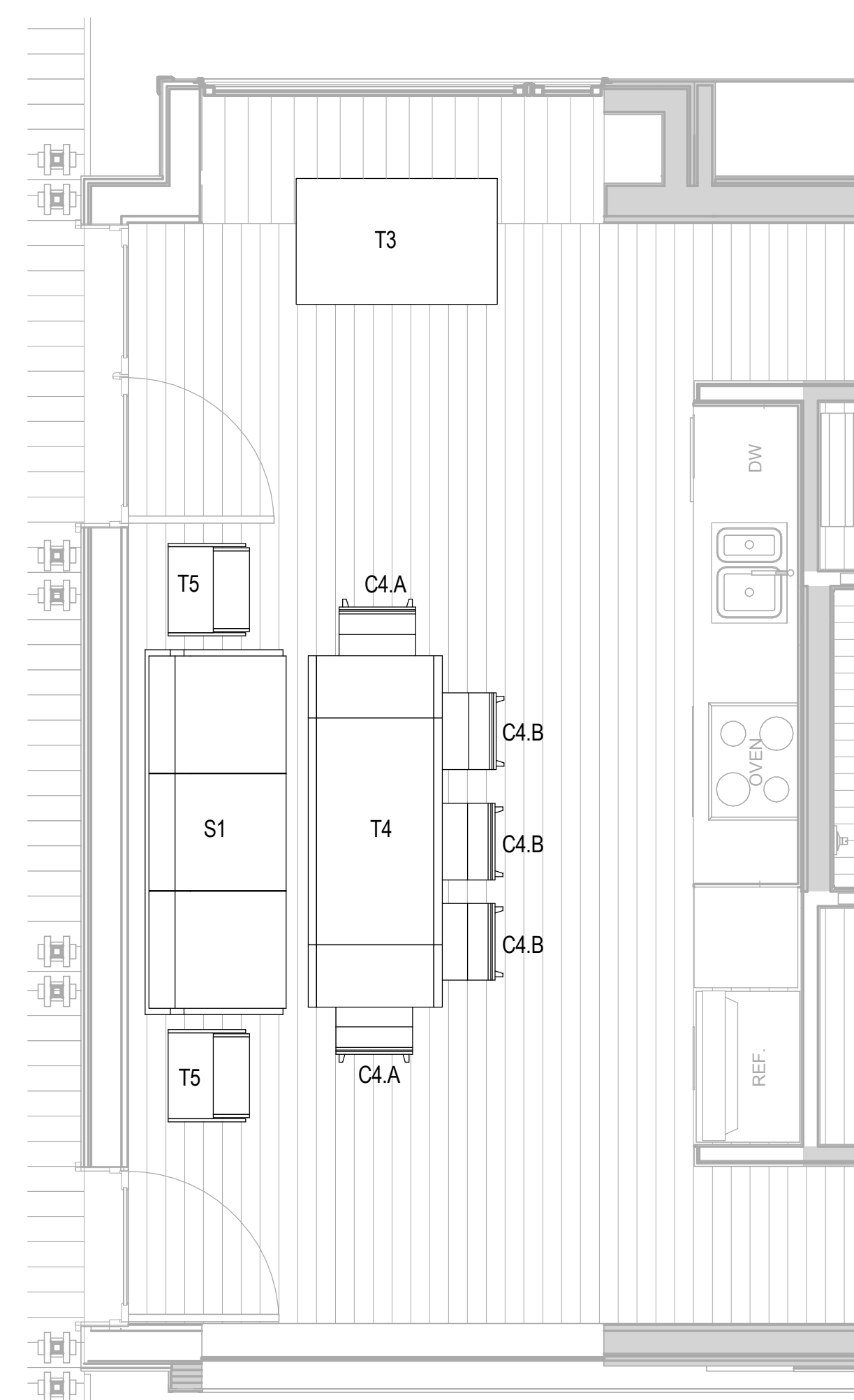
SHEET NUMBER:

I-402

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



B2 DINING FURNITURE PLAN
3/8" = 1'-0"
0 2' 4' 6'

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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
VANITY DETAILS

SHEET NUMBER:

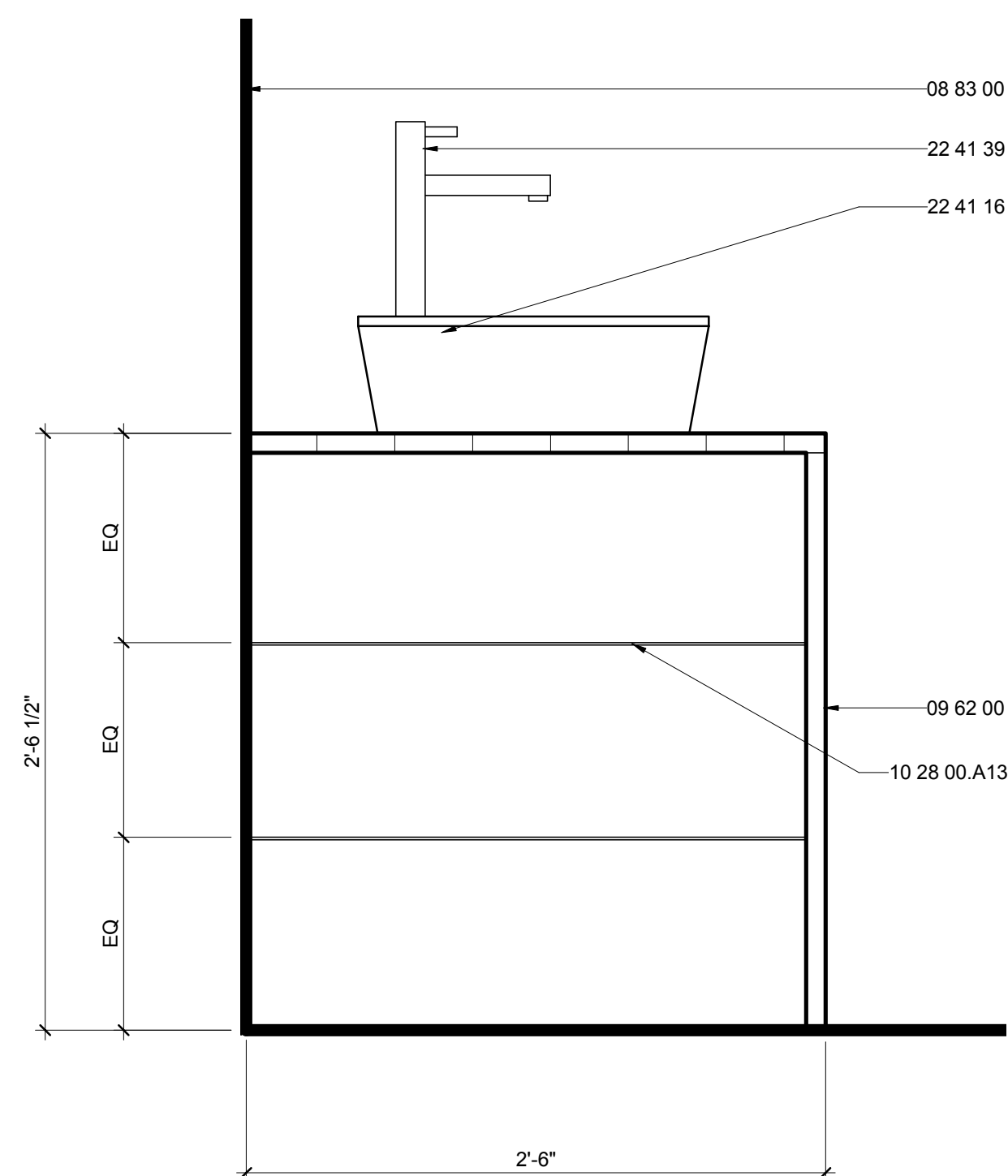
I-501

GENERAL SHEET NOTES

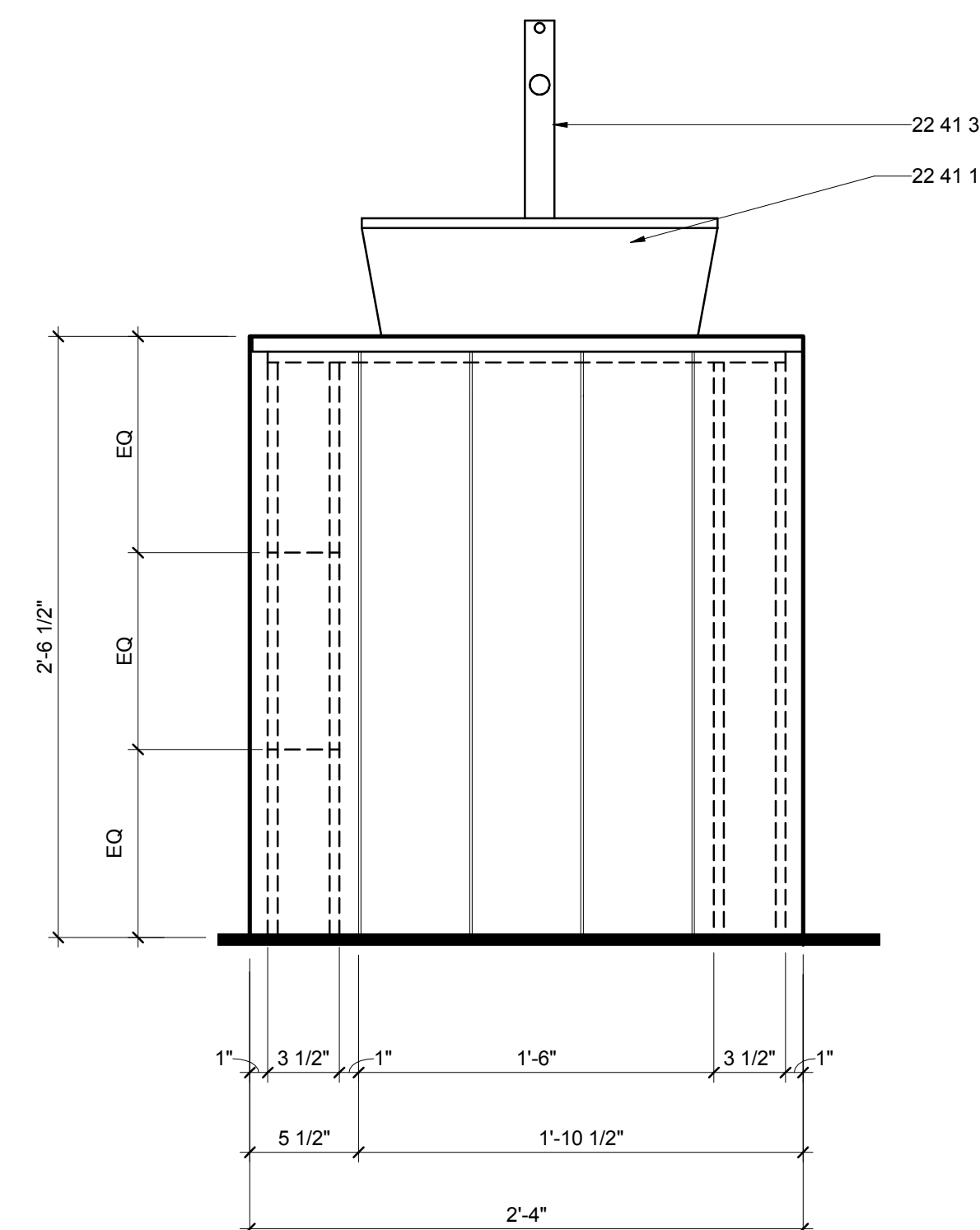
REFERENCE KEYNOTES

08 83 00	MIRRORS
09 62 00	SPECIALTY FLOORING
10 28 00.A13	SHELF
22 41 16	RESIDENTIAL LAVATORIES AND SINKS
22 41 39	RESIDENTIAL FAUCETS, SUPPLIES AND TRIM

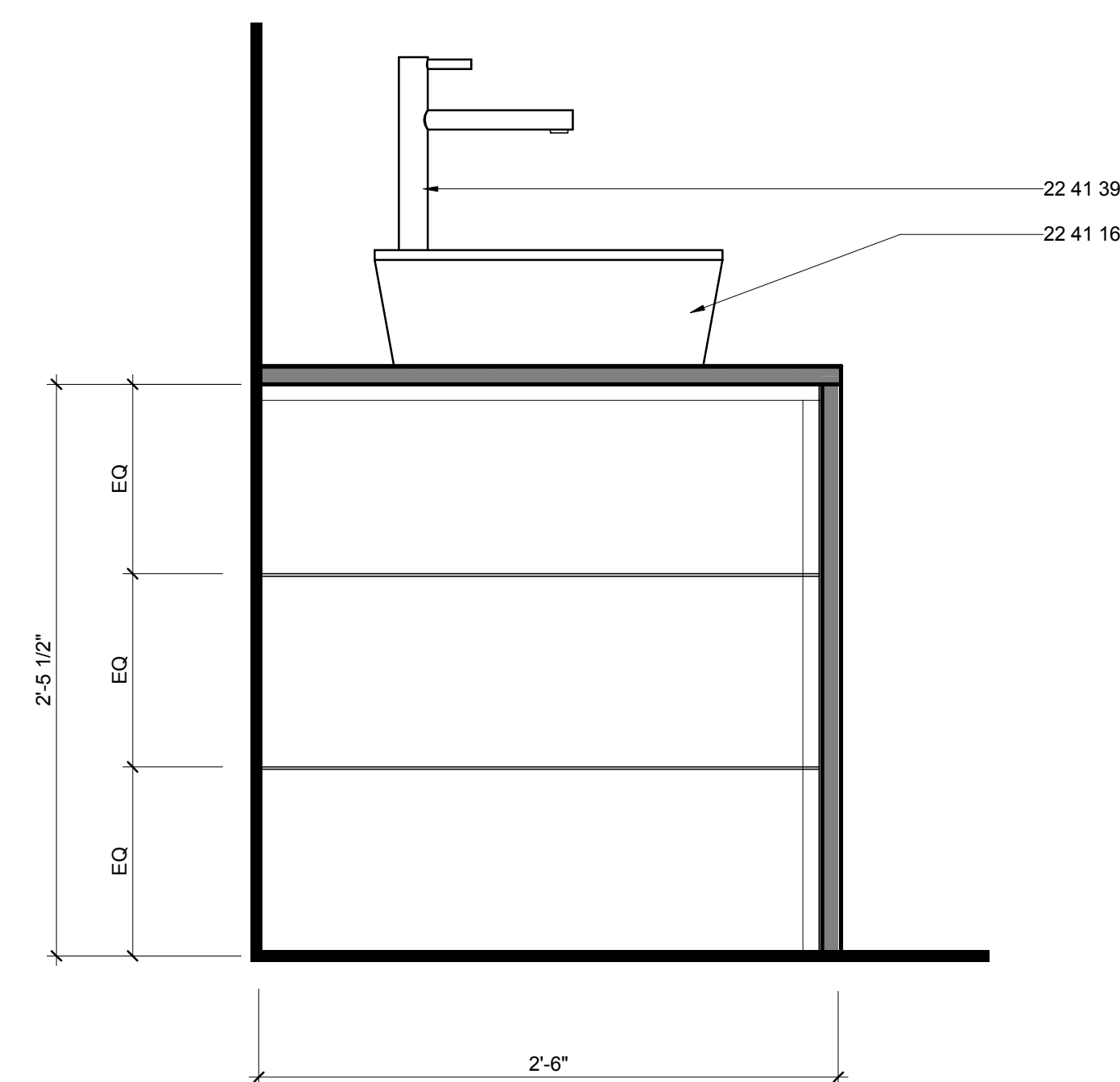
SHEET KEYNOTES



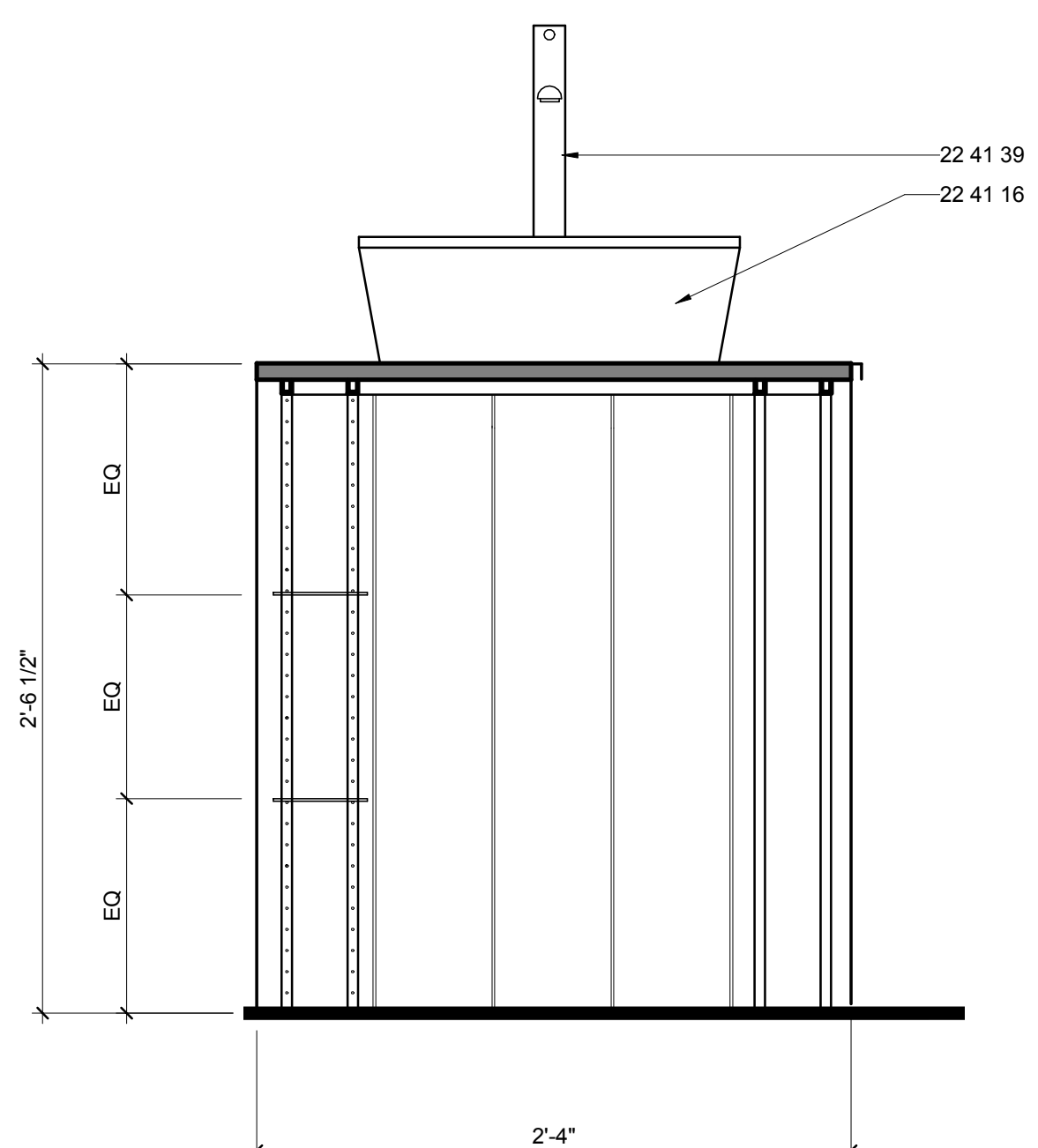
E3 CUSTOM VANITY SIDE ELEVATION
1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



E7 CUSTOM VANITY FRONT ELEVATION
1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



B3 CUSTOM VANITY SIDE SECTION
1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



B7 CUSTOM VANITY FRONT SECTION
1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"

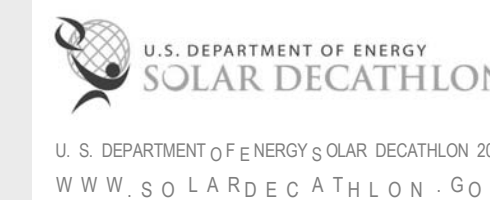


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1100 EAST KING STREET
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MARK - DATE - DESCRIPTION

SHEET TITLE:
HOUSE TRIM DETAILS

SHEET NUMBER:

I-502

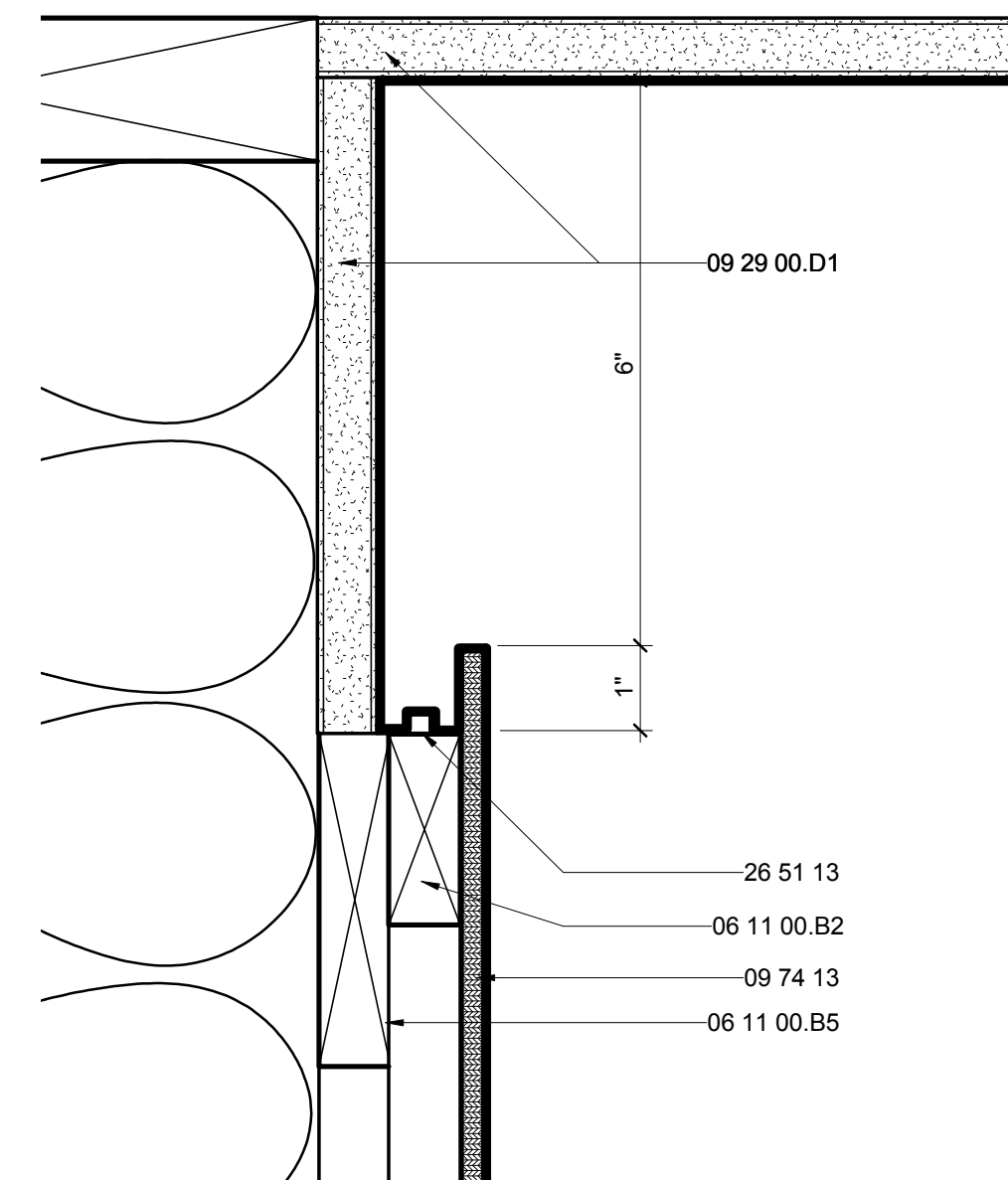
GENERAL SHEET NOTES

REFERENCE KEYNOTES

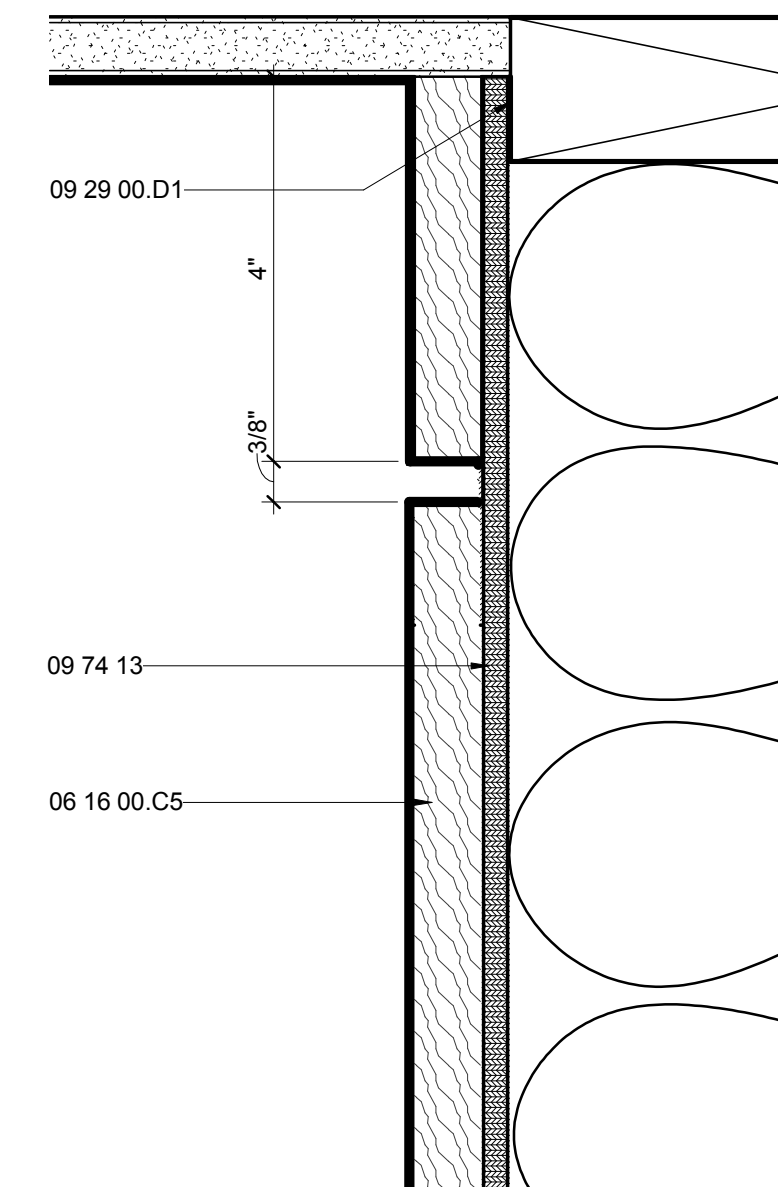
06 11 00.B2	1X2
06 11 00.B5	1X4
06 16 00.C5	3/4" PARTICLEBOARD
06 16 00.D6	1/2" PLYWOOD
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES

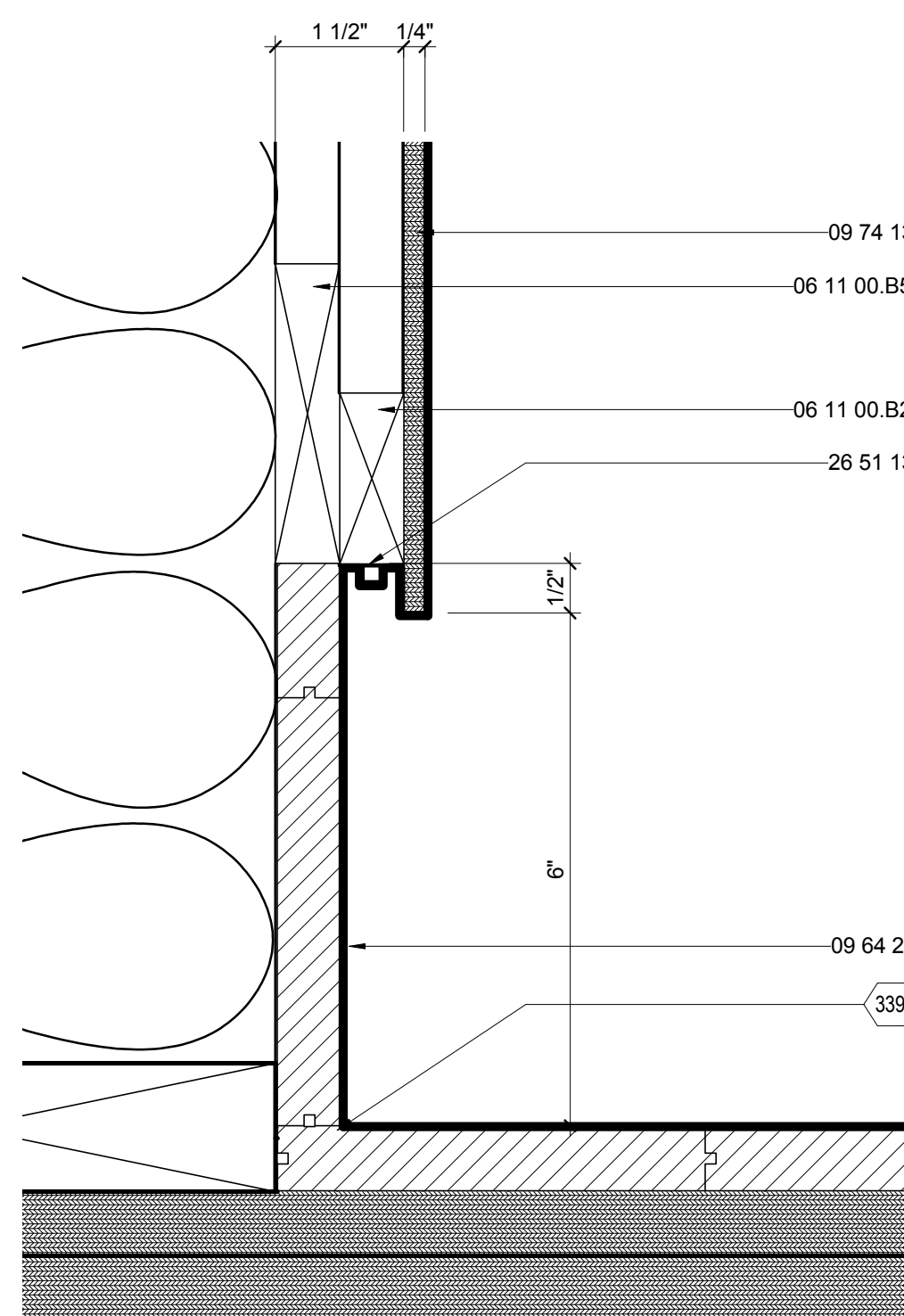
339 SCRIBE BASEBOARD AS NECESSARY



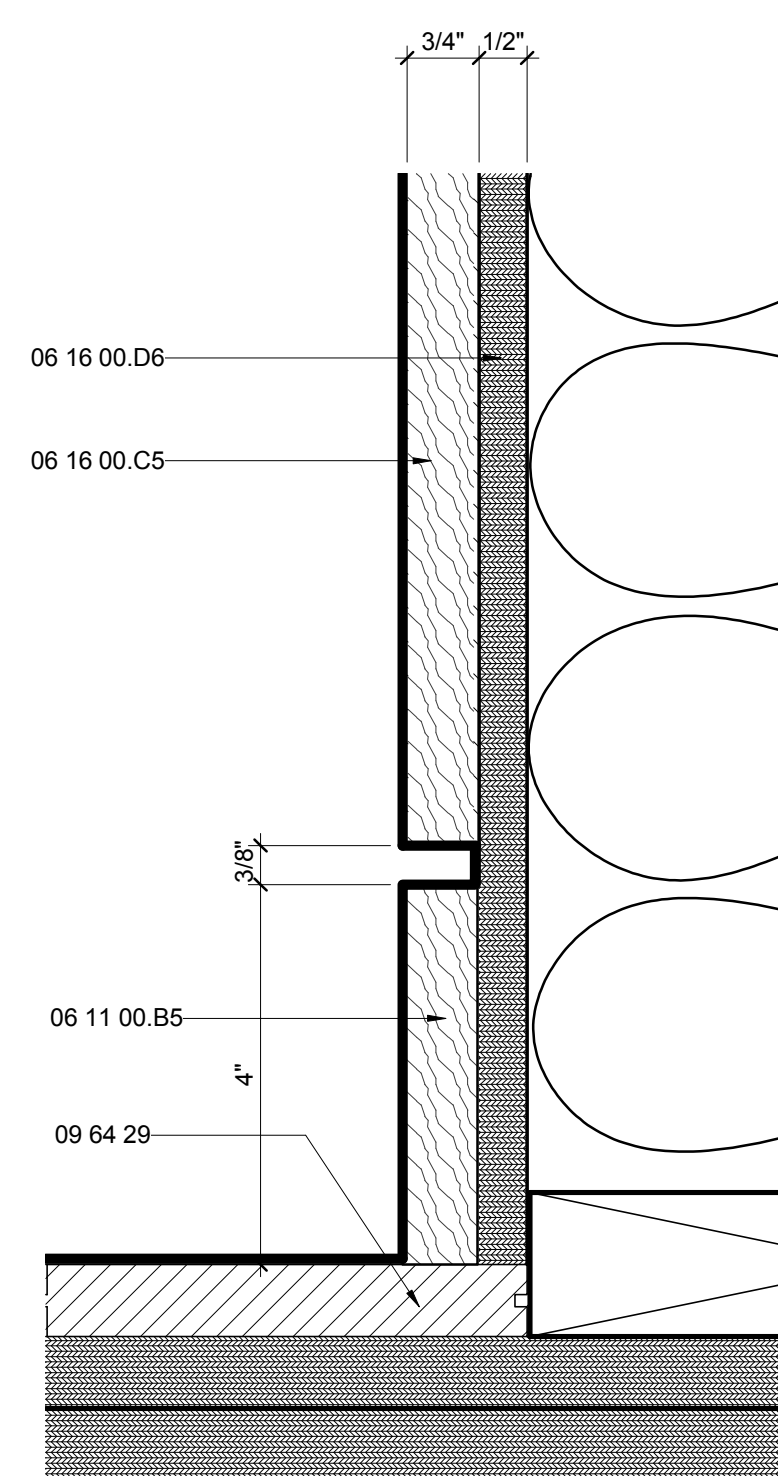
E4 EXT. WALL CROWN DETAIL
6" = 1'-0" 0 1" 2" 3" 4"



E7 CORE CROWN DETAIL
6" = 1'-0" 0 1" 2" 3" 4"



A4 EXT. WALL BASE DETAIL
6" = 1'-0" 0 1" 2" 3" 4"



A7 CORE BASE DETAIL
6" = 1'-0" 0 1" 2" 3" 4"

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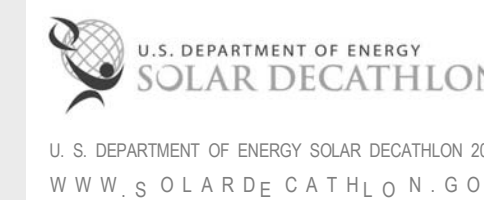


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
HOUSE TRIM DETAILS

SHEET NUMBER:

1-503

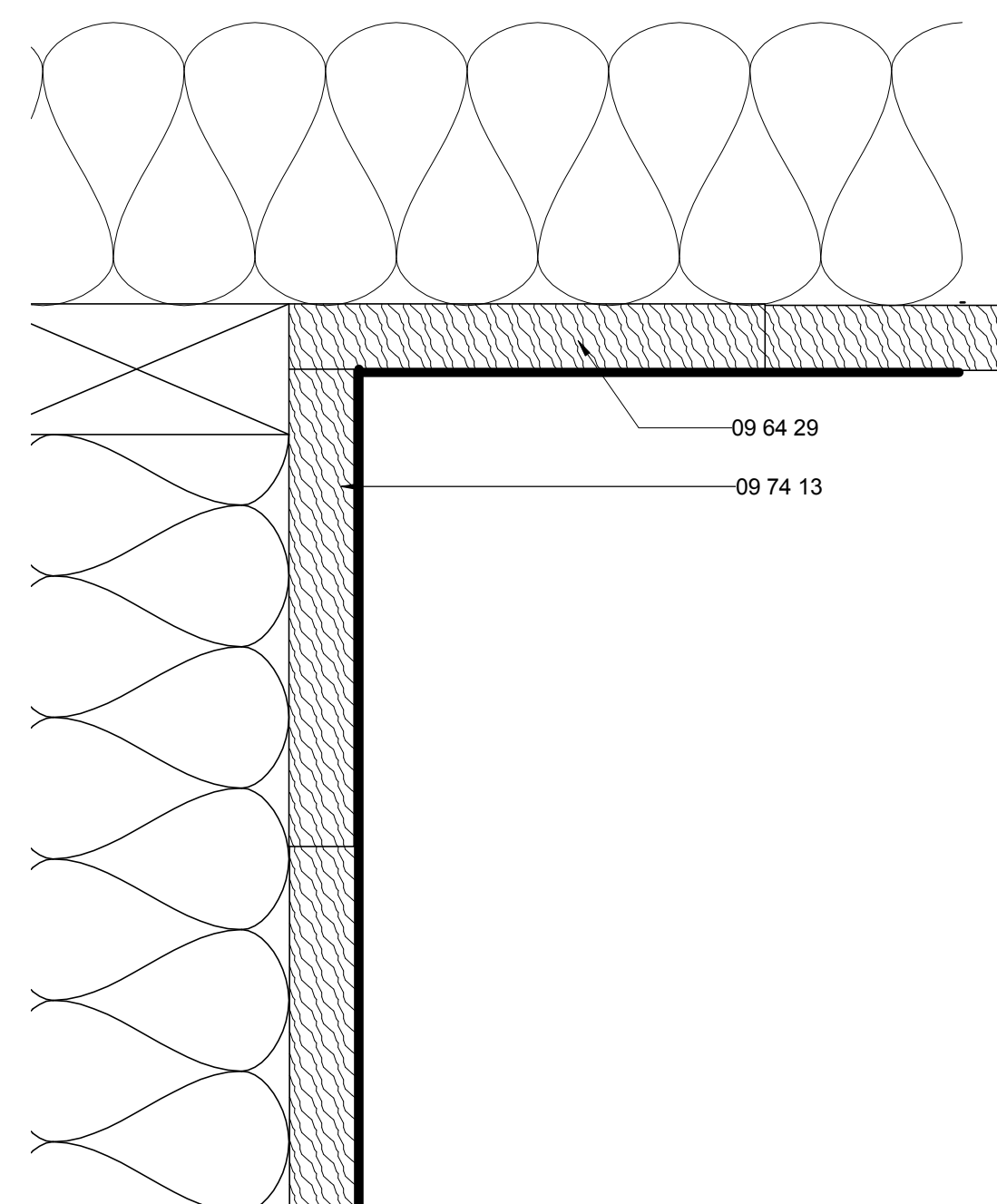
GENERAL SHEET NOTES

REFERENCE KEYNOTES

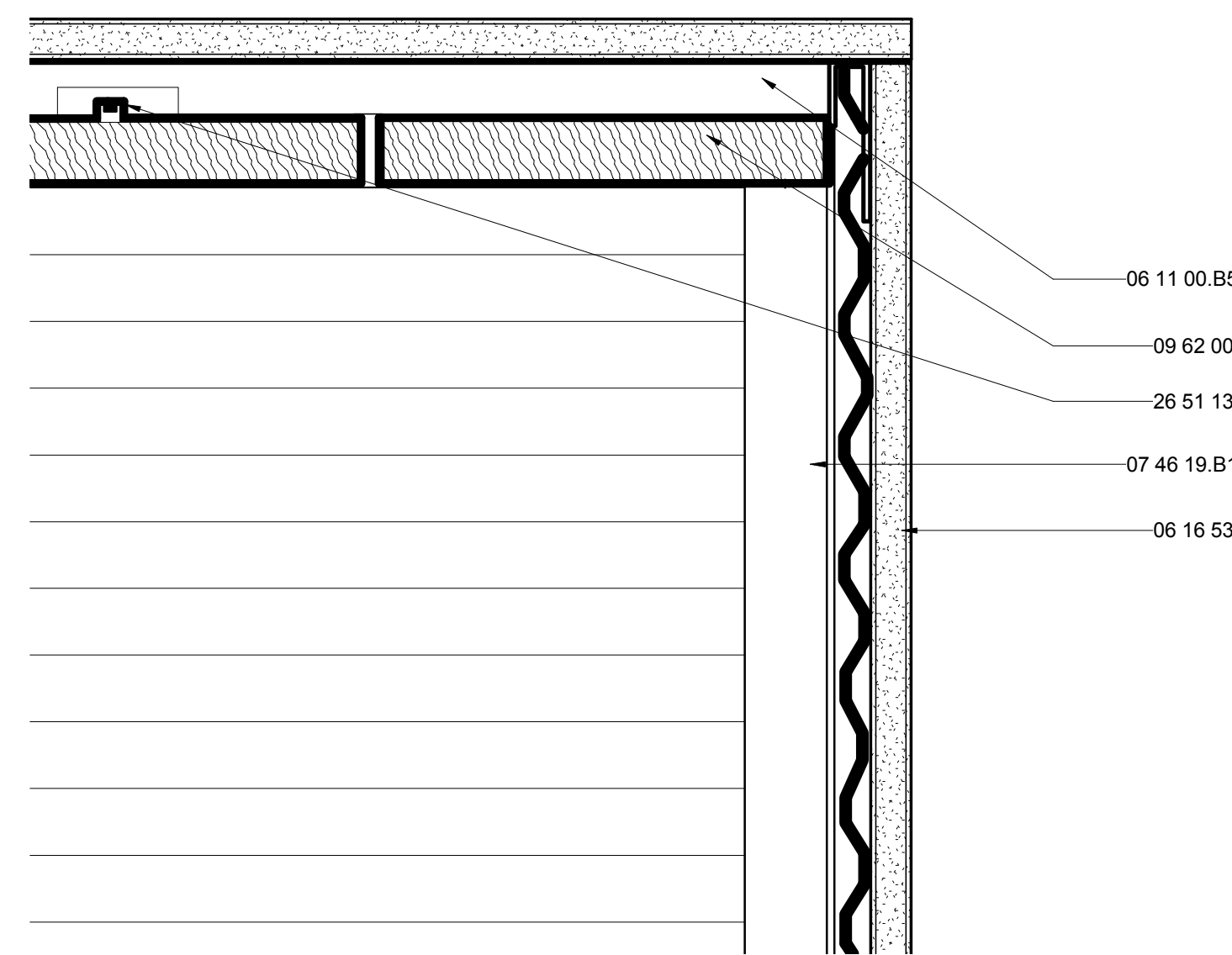
06 11 00.B5	1X4
06 11 00.D3	2X4 FRAMING
06 16 53	MOISTURE-RESISTANT SHEATHING BOARD
06 64 00	PLASTIC PANELING
07 46 19.A10	1/4" CORRUGATED STEEL - 29 GA
07 46 19.B1	1" J CHANNEL
09 29 00.C3	1/2" SOUNDPROOF GYPSUM BOARD
09 29 00.D1	5/8" GYPSUM WALLBOARD
09 34 00	WATERPROOFING-MEMBRANE TILING
09 62 00	SPECIALTY FLOORING
09 64 29	WOOD STRIP AND PLANK FLOORING
09 74 13	WOOD WALL COVERINGS
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES

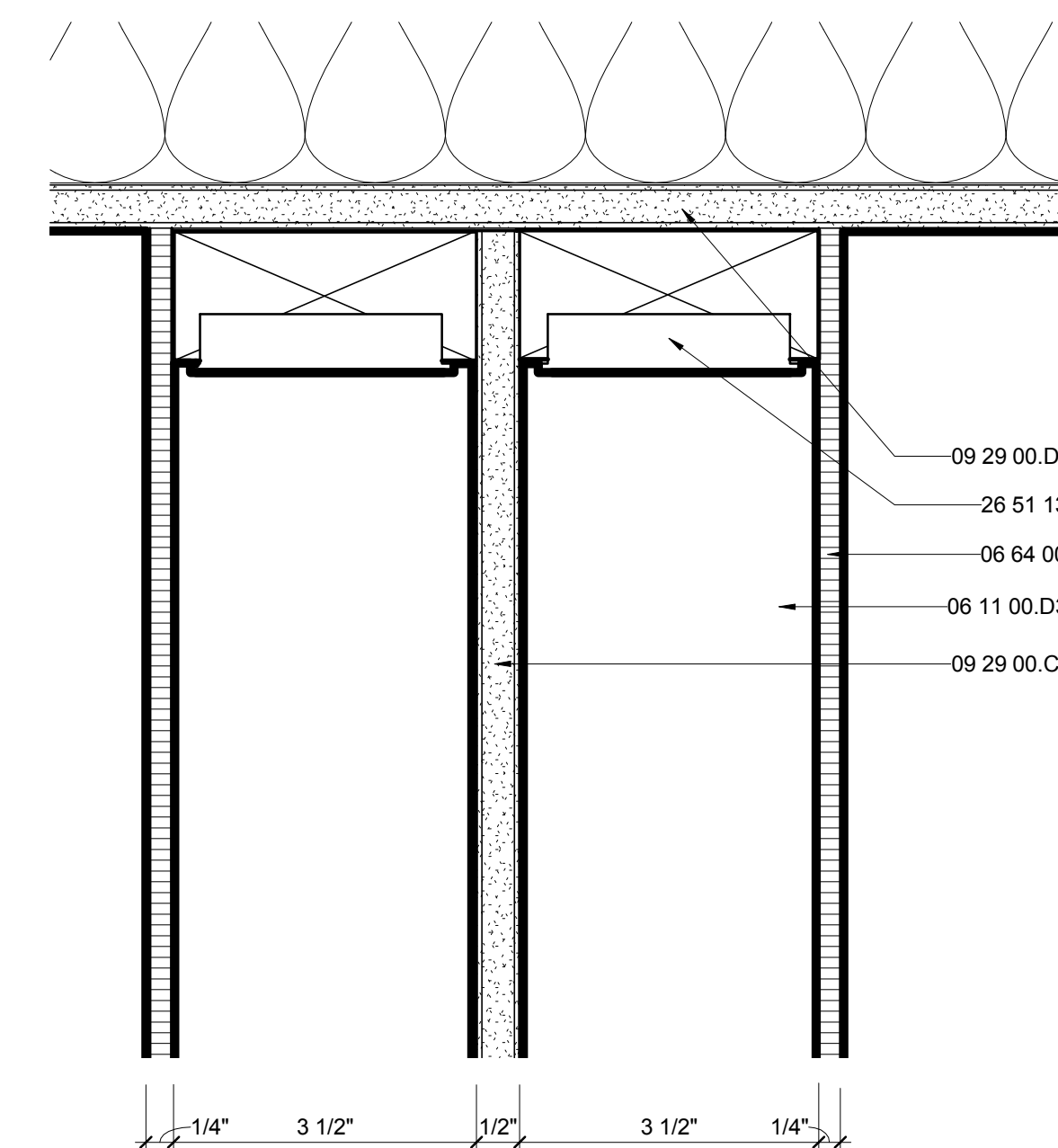
131 1/4":12" SLOPE TO DRAIN



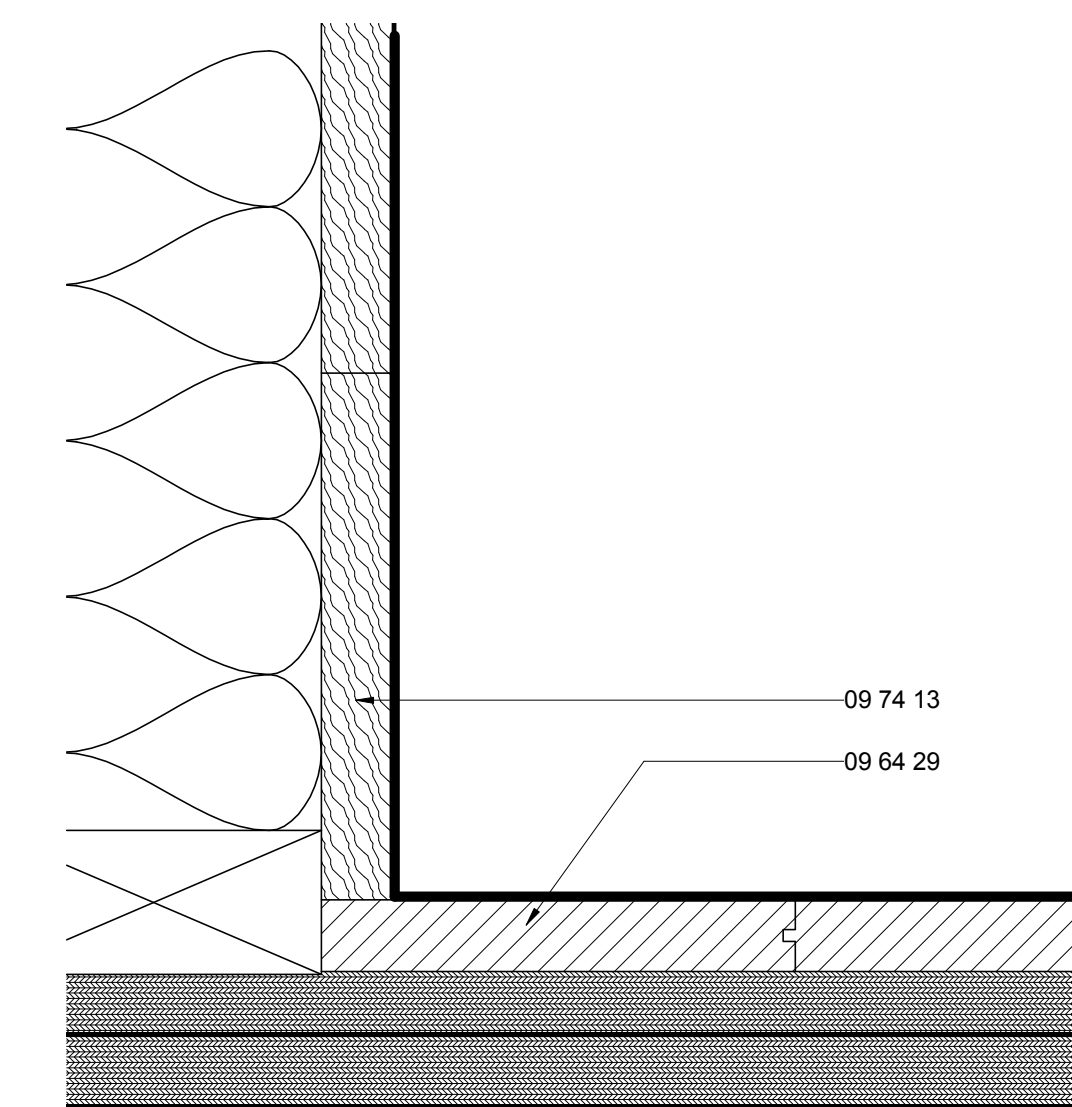
E1 CORE HALL CROWN DETAIL
6" = 1'-0"



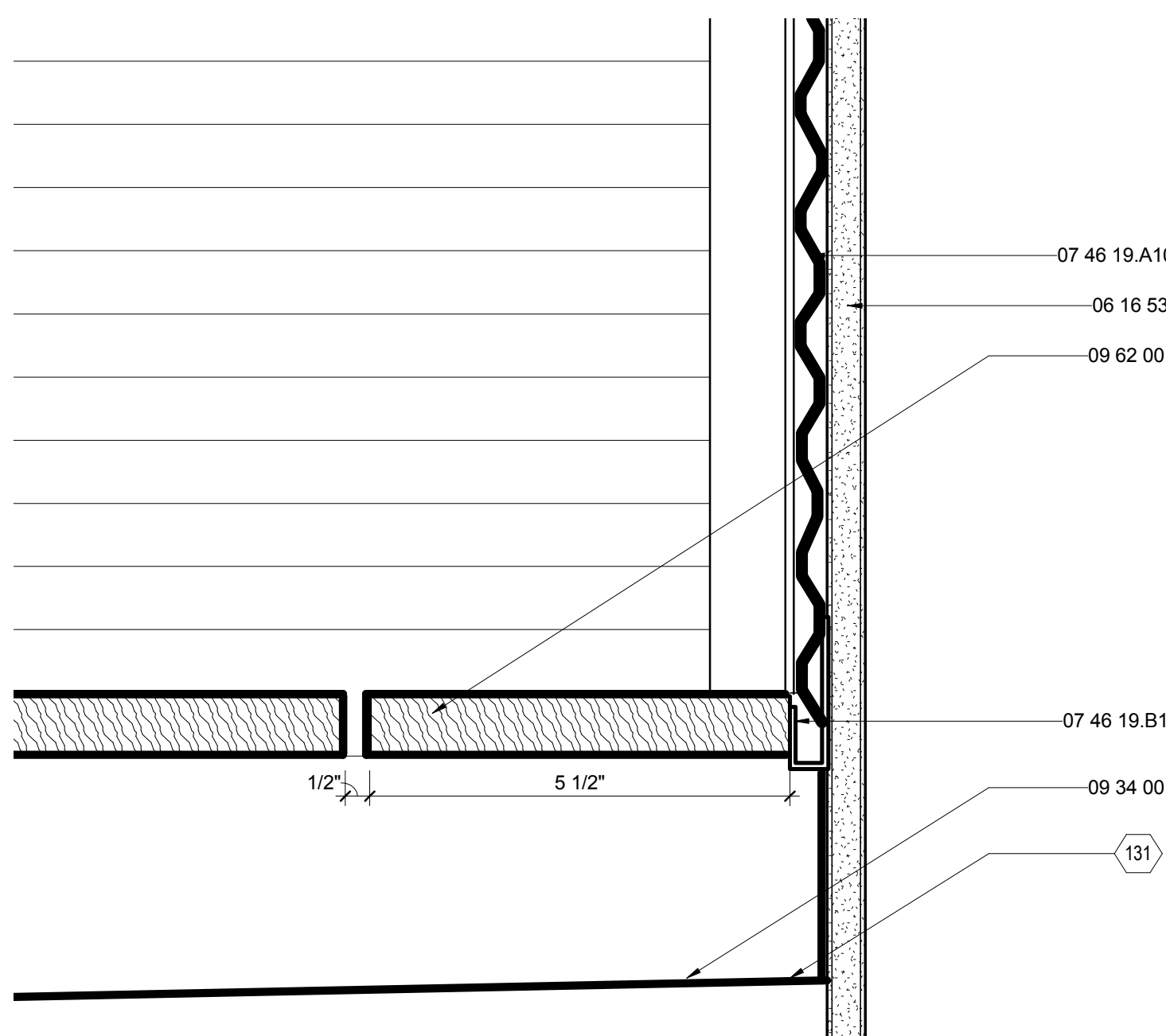
E4 BATHROOM CROWN DETAIL
6" = 1'-0"



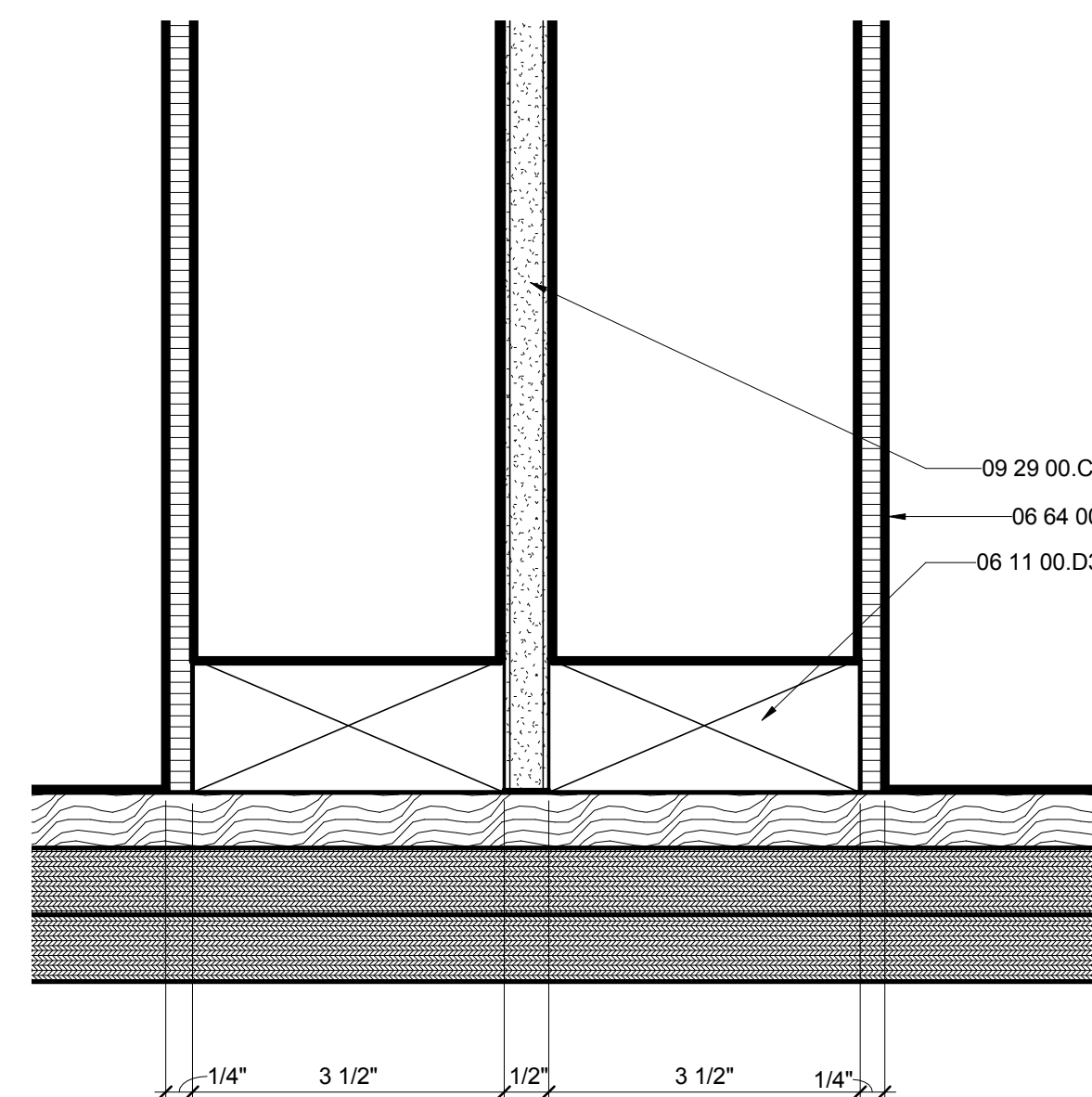
E7 BEDROOM WALL CROWN DETAIL
6" = 1'-0"



B1 CORE HALL BASE DETAIL
6" = 1'-0"



B4 BATHROOM BASE DETAIL
6" = 1'-0"



B7 BEDROOM WALL BASE DETAIL
6" = 1'-0"

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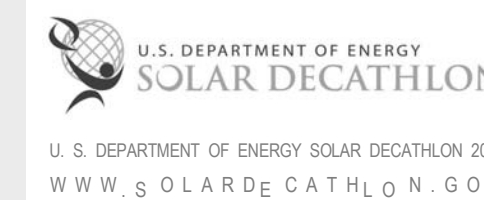


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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SOLARHOMESTEAD@APPSTATE.EDU
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MARK - DATE - DESCRIPTION

SHEET TITLE:
FLEX SPACE TRIM DETAILS

SHEET NUMBER:

I-504

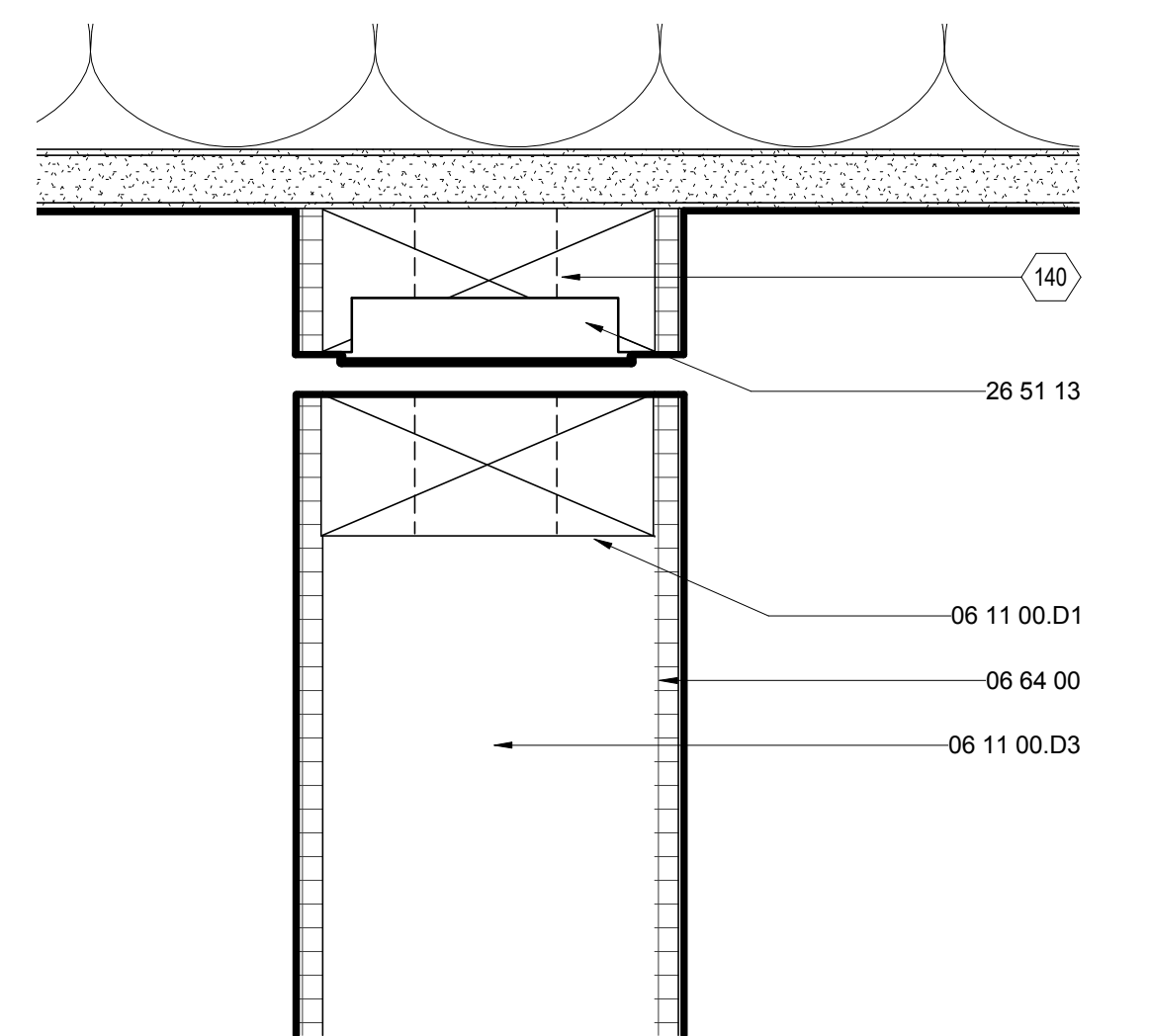
GENERAL SHEET NOTES

REFERENCE KEYNOTES

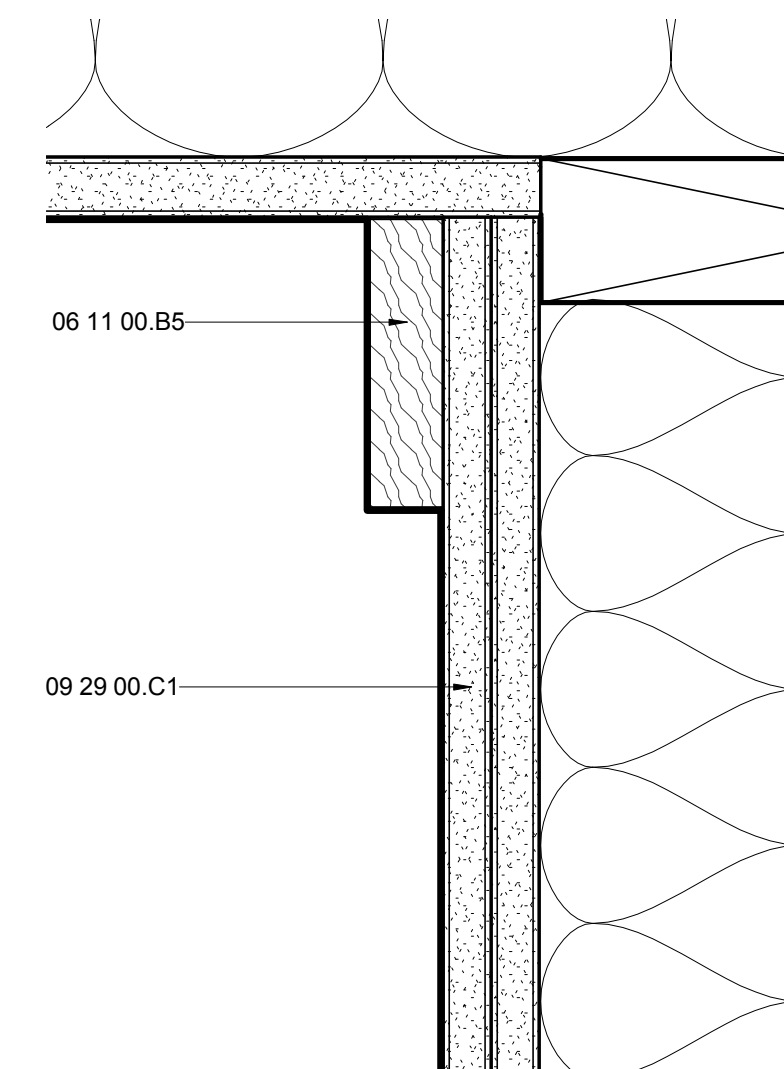
06 11 00.B5	1X4
06 11 00.D1	2X4
06 11 00.D3	2X4 FRAMING
06 16 00.D6	1/2" PLYWOOD
06 64 00	PLASTIC PANELING
09 29 00.C1	1/2" GYPSUM WALLBOARD
26 51 13	INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES

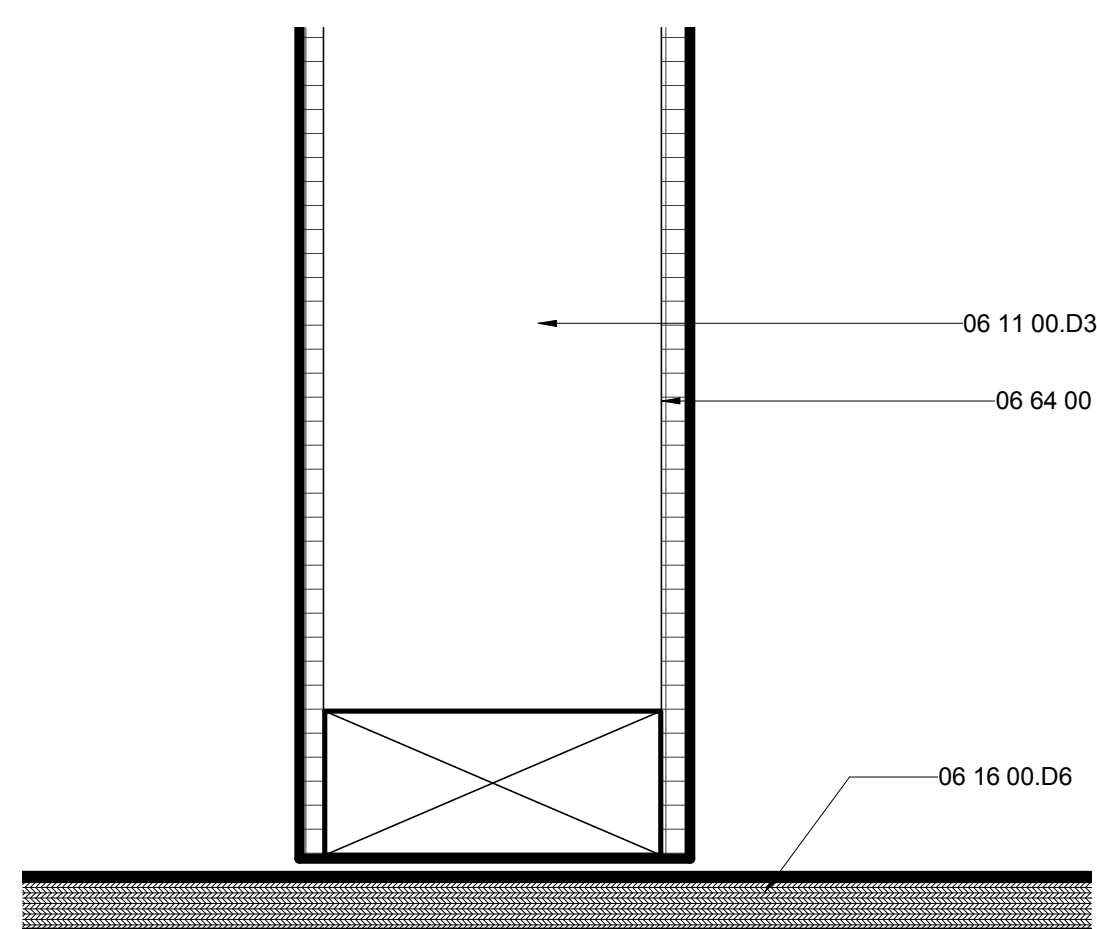
140 1 1/2" DIA. HOLE TO ALLOW LIGHT FROM ABOVE



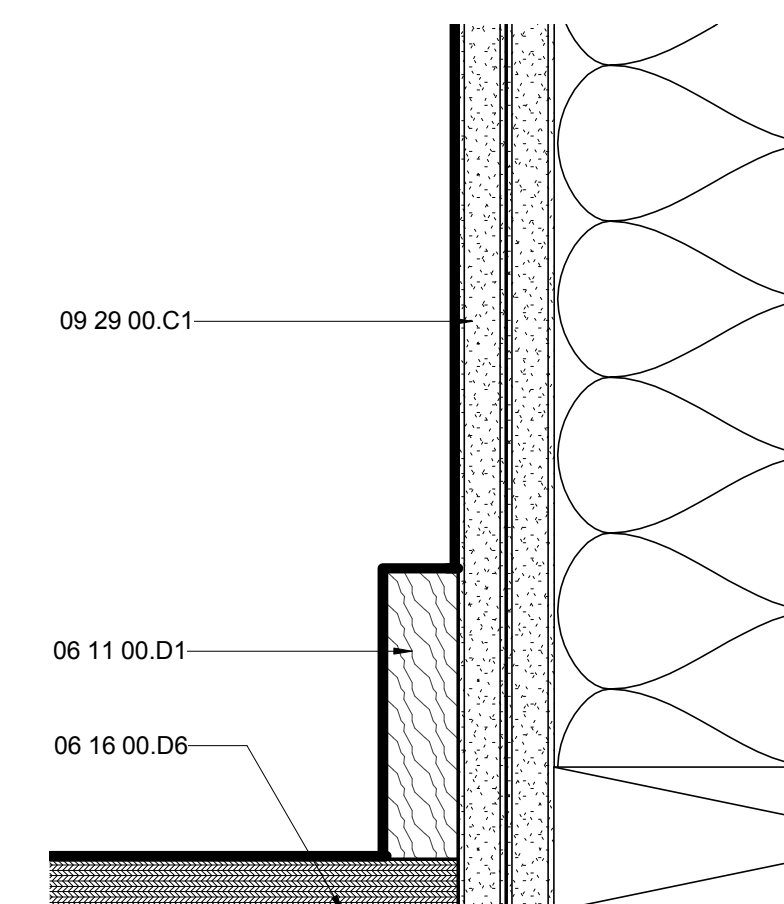
E3 INT. FLEX BATHROOM DOOR HEAD DETAIL
6" = 1'-0" 0 1" 2" 3" 4"



E7 FLEX WALL CROWN DETAIL
6" = 1'-0" 0 1" 2" 3" 4"



B3 FLEX BATH DOOR BASE DETAIL
6" = 1'-0" 0 1" 2" 3" 4"



B7 FLEX WALL BASE DETAIL
6" = 1'-0" 0 1" 2" 3" 4"

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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SOLAR DECATHLON
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
FURNITURE SCHEDULE

SHEET NUMBER:

1-505

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

FURNITURE SCHEDULE								
MARK	TYPE	DIMENSIONS			NAME	MANUFACTURER	LOCATION	QTY
		WIDTH	HEIGHT	DEPTH				
C1	SIDE CHAIR	24 1/2"	31 3/4"	23 1/2"	MOLDED EAMES SIDE CHAIR	HERMAN MILLER	FLEX SPACE	1
C2	DESK CHAIR	24 3/4"	28 3/4"	19 3/4"	BERTOIA SIDE CHAIR	KNOLL	GREAT PORCH	4
C3	LOUNGE CHAIR	31 1/2"	30"	28 1/4"	BERTOIA DIAMOND CHAIR	KNOLL	GREAT PORCH	2
C4.A	SIDE CHAIR		23 1/2"		EDIT CHAIR	BERNHARDT	LIVING	3
C4.B	SIDE CHAIR	18"	23 1/2"	18 1/2"	EDIT CHAIR	BERNHARDT	LIVING	2
C5	DESK CHAIR	22"	32"	22"	SPRITE CHAIR	KNOLL	BEDROOM 2	1
S1	SOFA	67 1/4"	29 1/2"	33"	GAIA	BERNHARDT	LIVING	1
T1	SLAB DESK	49 1/2"	29 1/2"	36"	N/A	N/A	FLEX SPACE	1
T2	PEDESTAL TABLE	36"	28 1/8"		PAPERCLIP CAFE TABLE	KNOLL	GREAT PORCH	1
T3	NOOK TABLE	47 1/4"		23 5/8"	GALANT SERIES	IKEA	BAY WINDOW	1
T4	COFFEE TABLE	66"	28"	36"	N/A	PHILMARK	LIVING	1
T5	NESTING TABLES	20"	17"	18"	N/A	N/A	LIVING	4
T6	NIGHTSTAND	15 1/2"	10"	13 1/4"	EAMES WIRE TABLE	HERMAN MILLER	BEDROOM 1	2
T7	NIGHTSTAND	25 1/2"	16"	14"	OFFI MAGAZINE TABLE	SMART FURNITURE	BEDROOM 2	1
T8	DESK	42"	34"	25"	CANT DESK	BLUDOT	BEDROOM 2	1
B1	FULL BED	65"	12"	79"	MODULICIOUS BED	BLUDOT	BEDROOM 1	1
B2	TWIN BED	50"	12"	79"	MODULICIOUS BED	BLUDOT	BEDROOM 2	1



F6 C1
6" = 1'-0"



F8 C2
12" = 1'-0"



E1 C3
3" = 1'-0"



E3 C4.B
3" = 1'-0"



E5 C4.A
3" = 1'-0"



E6 C5
6" = 1'-0"



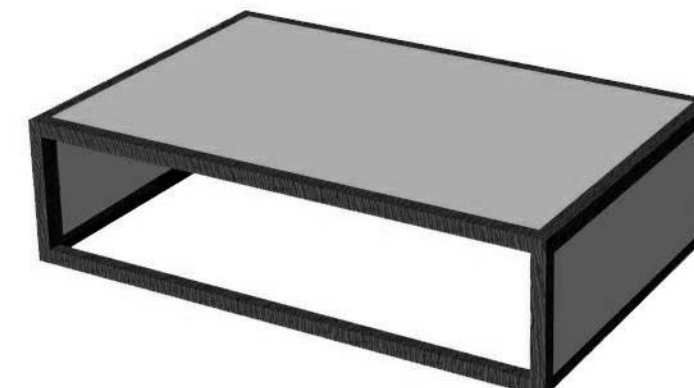
E8 S1
12" = 1'-0"



D1 T1
3" = 1'-0"



D3 D3
6" = 1'-0"



D4 D4
3" = 1'-0"



C6 D5
3" = 1'-0"



D8 T6
6" = 1'-0"



B1 T2
6" = 1'-0"



B3 T3
6" = 1'-0"



B4 T8
6" = 1'-0"



B6 B5
6" = 1'-0"



B8 B2
6" = 1'-0"



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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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LOT #: 205 | APPST
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CHECKED BY: KL, JR, CE
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL NOTES & LIST

SHEET NUMBER:

F-001

GENERAL NOTES

1. ALL FIRE SUPPRESSION, DETECTION AND RELATED SYSTEMS SHALL BE IN ACCORDANCE WITH NFPA 13.D.

FIRE-SUPPRESSION SHEET LIST

SHEET NO	SHEET NAME
F-001	GENERAL NOTES & LIST
F-101	FIRE DETECTION AND ALARM PLAN
F-102	FIRE-SUPPRESSION PLAN
F-601	FIRE-SUPPRESSION SCHEDULE & ISOMETRICS

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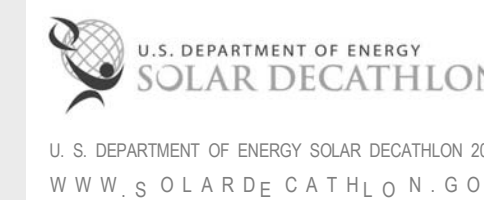


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MARK - DATE - DESCRIPTION

SHEET TITLE:
FIRE DETECTION AND ALARM
PLAN

SHEET NUMBER:

F-101

GENERAL SHEET NOTES

1. ALL SMOKE DETECTORS TO BE HARDWIRED WITH BATTERY BACKUP.

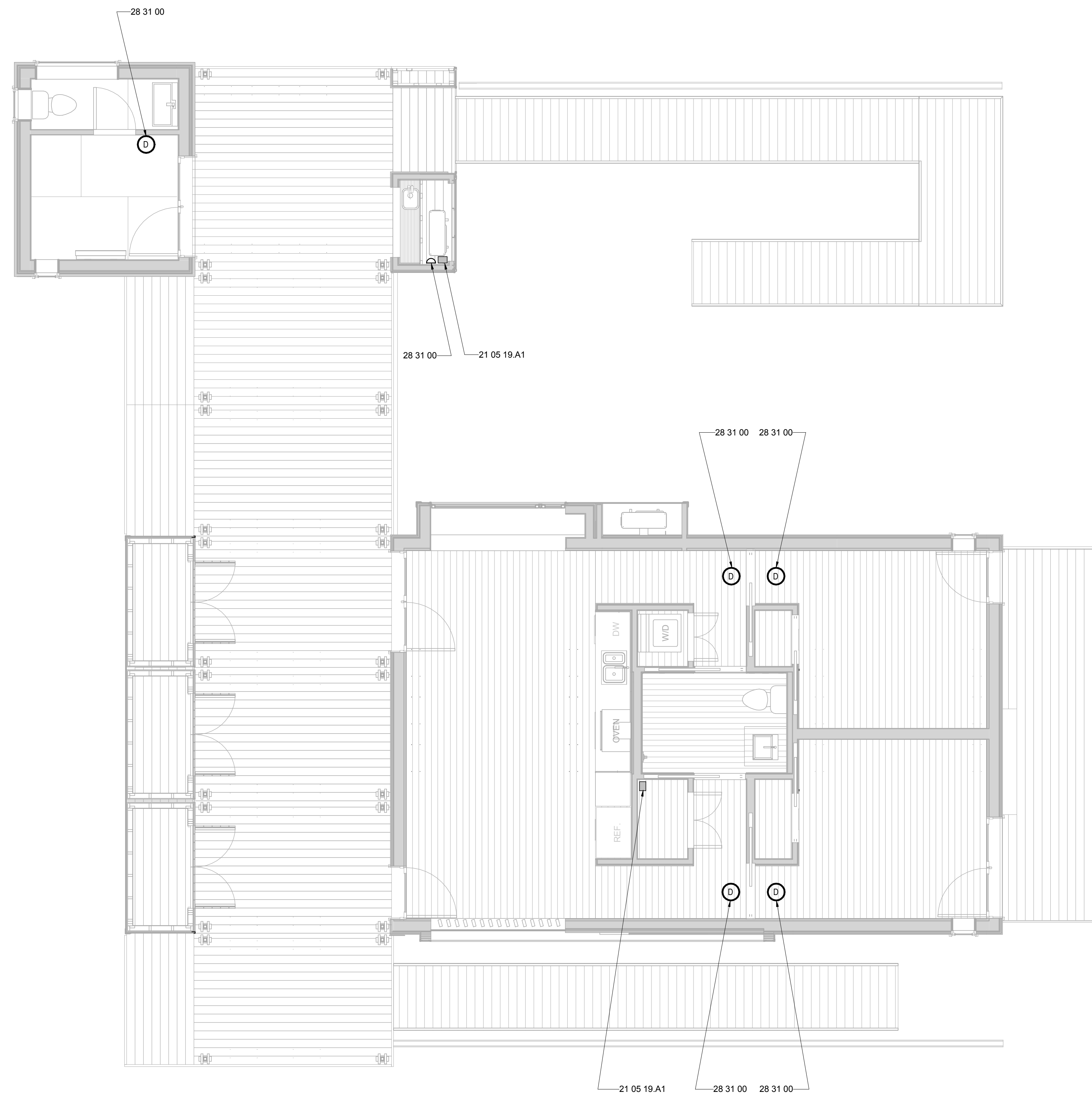
FIRE DETECTION LEGEND

- CEILING MOUNTED FIRE DETECTOR
- CEILING MOUNTED FIRE-SUPPRESSION
- 1" FIRE RESISTANT PVC PIPE

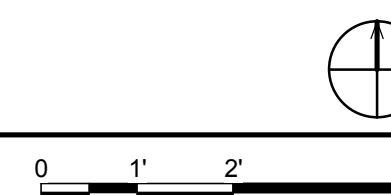
REFERENCE KEYNOTES

- 21 05 19.A1 FIRE-SUPPRESSION ALARM SWITCH
- 28 31 00 FIRE DETECTION AND ALARM

SHEET KEYNOTES



(A1) FIRE DETECTION AND ALARM PLAN
1/4" = 1'-0"



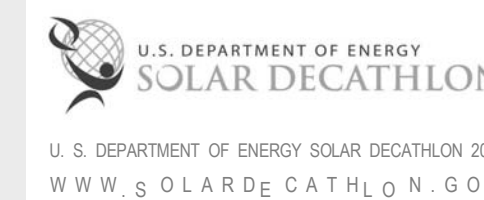


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MARK - DATE - DESCRIPTION

SHEET TITLE:
FIRE-SUPPRESSION PLAN

SHEET NUMBER:

F-102

GENERAL SHEET NOTES

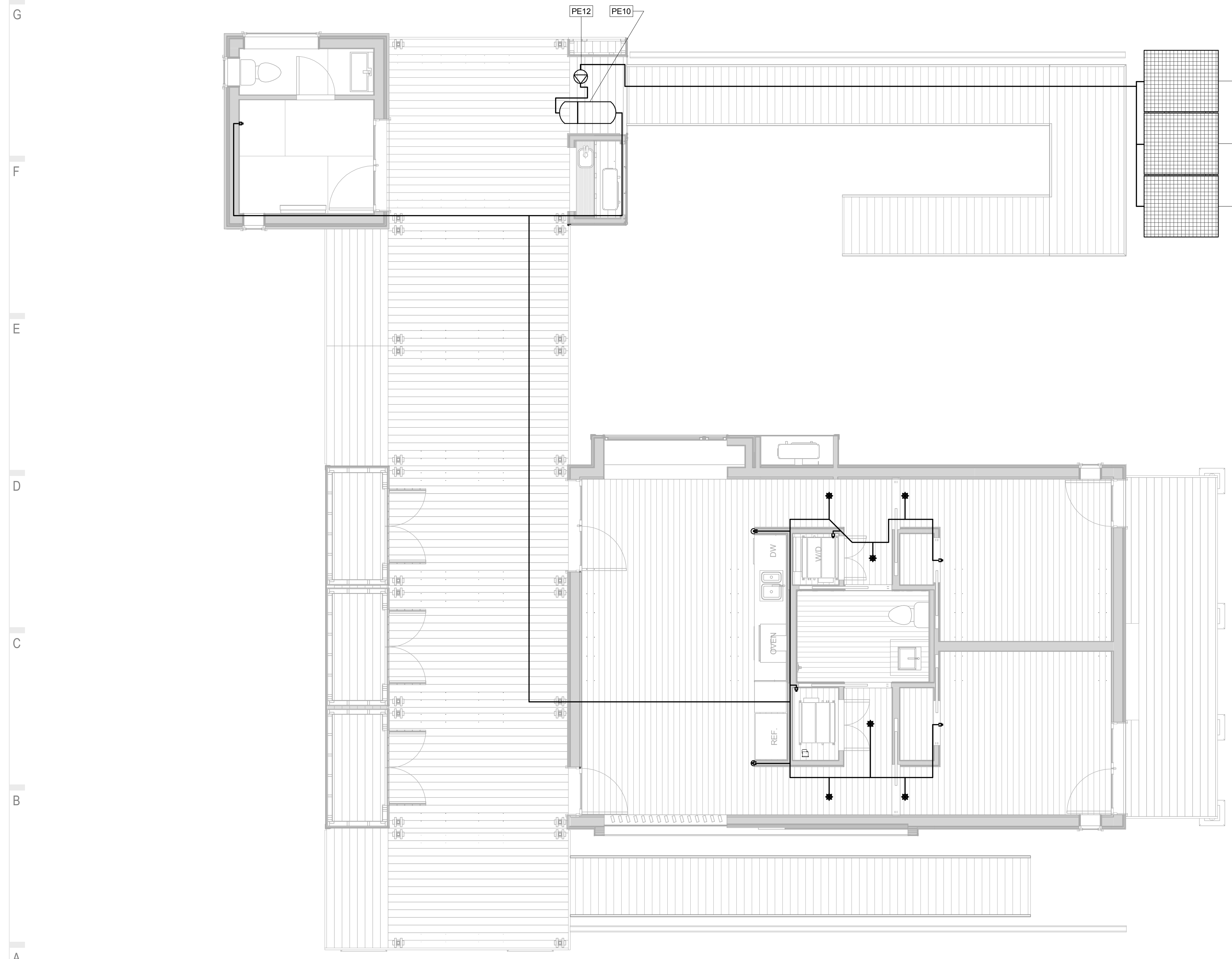
- EMERGENCY FIRE-SUPPRESSION WATER TO BE STORED IN APPROPRIATE DOMESTIC WATER SUPPLY BLADDER
- FIRE-SUPPRESSION PLUMBING TO BE APPROVED BY BOONE, NC FIRE DEPARTMENT.
- SEE P-602 FOR PLUMBING EQUIPMENT SCHEDULE.

FIRE SUPPRESSION LEGEND

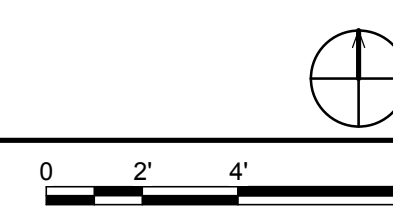
- ▼ WALL MOUNTED FIRE-SUPPRESSION- K 4.2
- ⌋ WALL MOUNTED FIRE-SUPPRESSION- K 5.6
- * CEILING MOUNTED FIRE-SUPPRESSION- K 4.9
- 1" FIRE RESISTENT PVC PIPE
- ⊕ WATER PUMP
- ▣ SUPPLY WATER STORAGE

REFERENCE KEYNOTES

SHEET KEYNOTES



A1 FIRE SUPPRESSION PLAN
1/4" = 1'-0"



01 02 03 04 05 06 07 08 09 10



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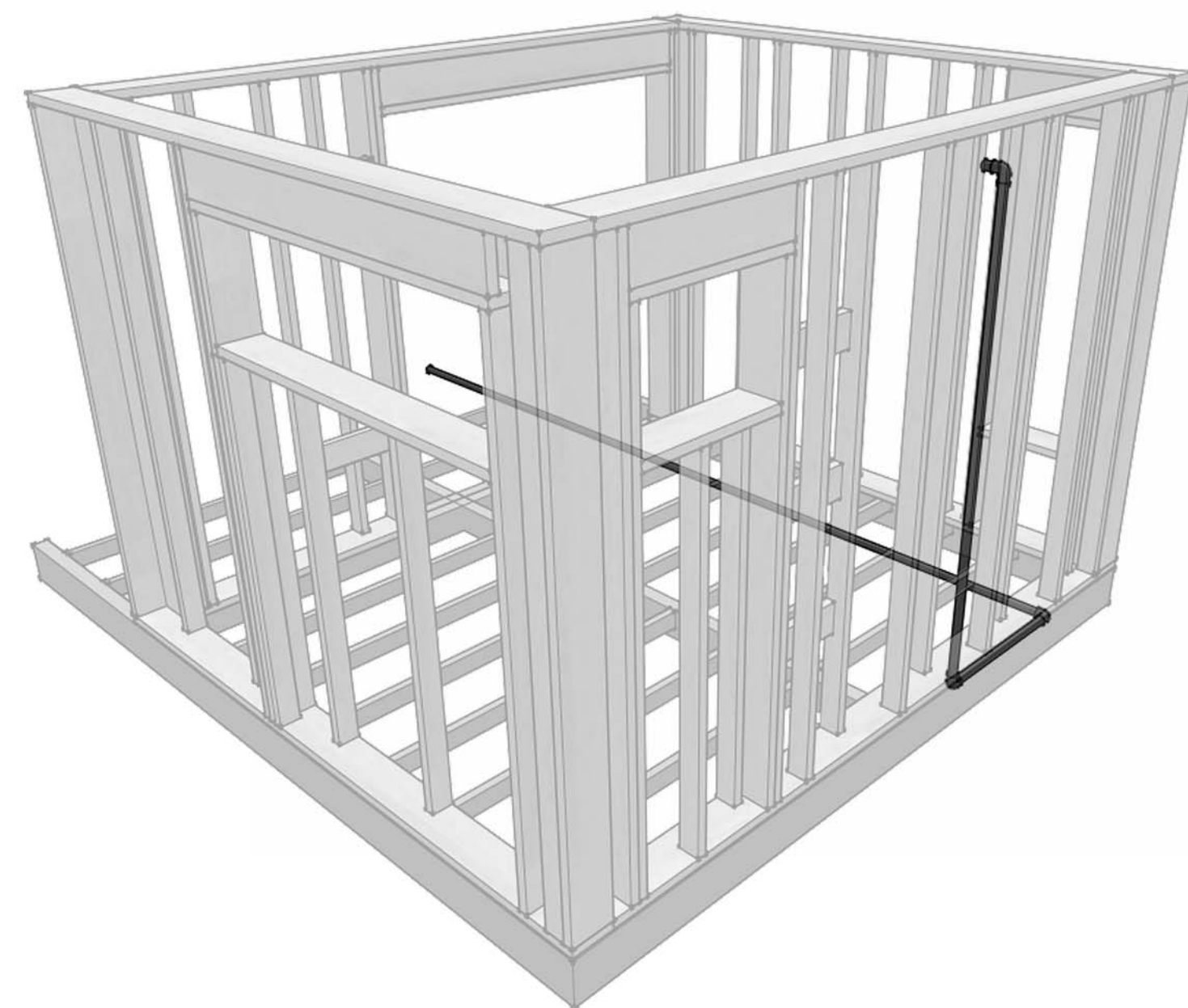
MARK - DATE - DESCRIPTION

SHEET TITLE:
FIRE-SUPPRESSION SCHEDULE
& ISOMETRICS

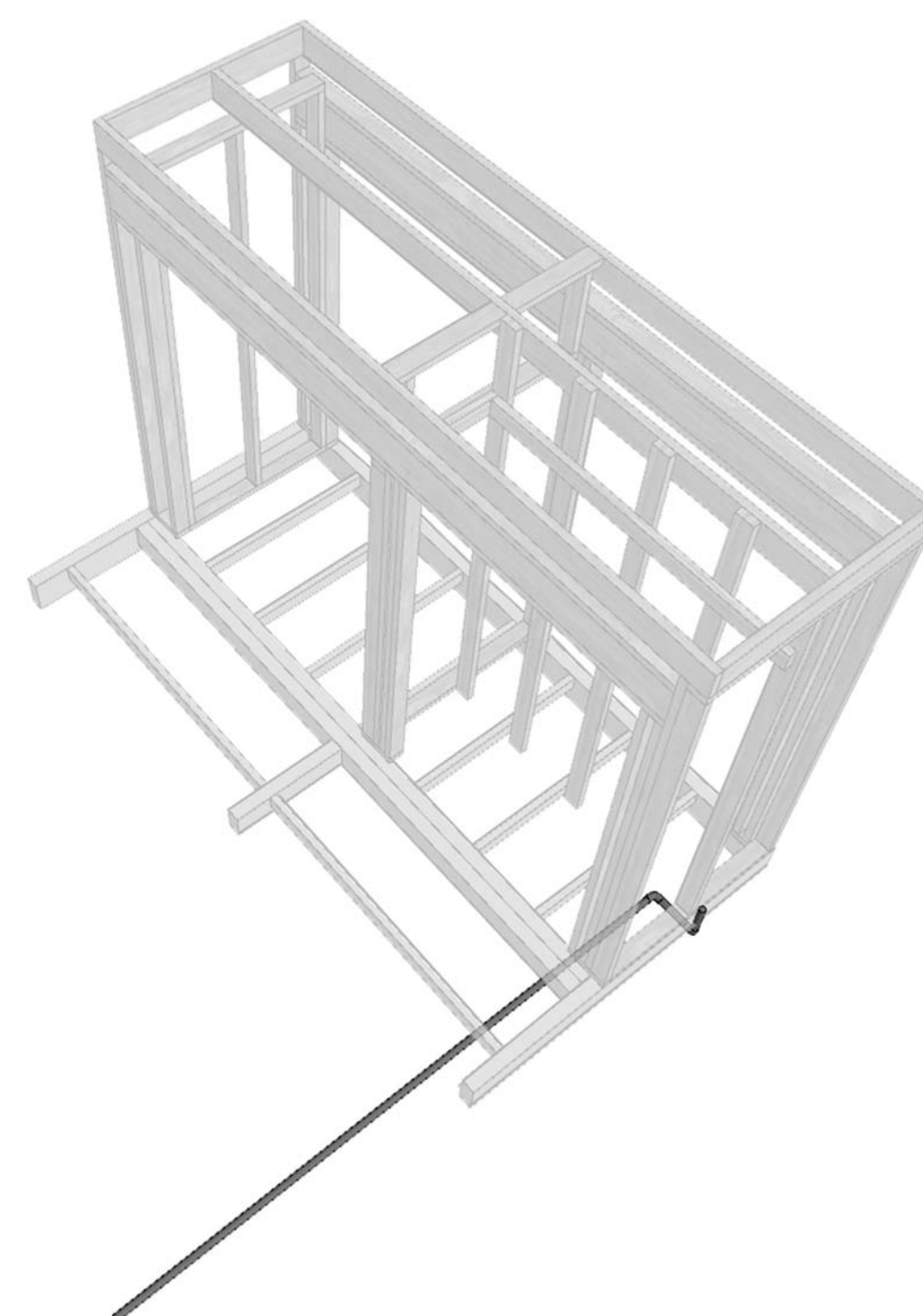
SHEET NUMBER:

F-601

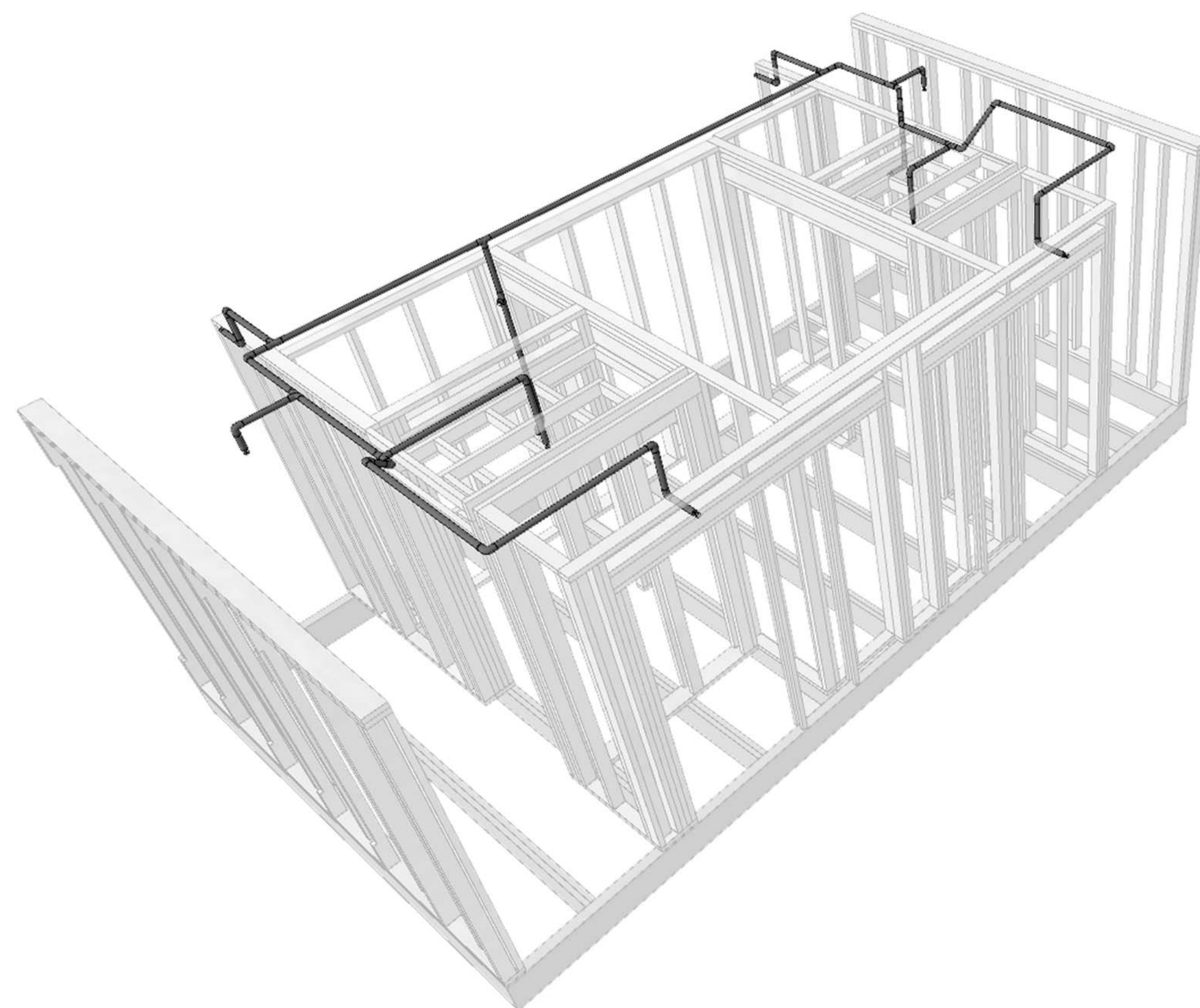
FIRE-SUPPRESSION SCHEDULE			
DESCRIPTION	MANUFACTURER	MODEL	REFERENCE NUMBER
ALARM SWITCH	POTTER ELECTRIC SIGNAL	VSR-S	21 05 19.A1
PRESSURE GAUGE	PROPLUMBER	PP100G	21 05 19.B1
HORIZONTAL SIDEWALL SPRINKLER	VITAUIC	V2738	21 10 00.A1
HORIZONTAL SIDEWALLS PRINKLER	VITAUIC	V2744	21 10 00.A2
CONCEALED PENDENT SPRINKLER	VITAUIC	V2734	21 10 00.A3
3/4" CPVC PIPING	VIKING	34 PIPE	21 10 00.B1
CPVC FITTINGS	NIBCO	5003-S-BT & 5011	21 10 00.B2
PRESSURE PUMP	GRUNDFOS	JPF7A	21 16 00
PUMP TANK	WELL SAVOR	CPT-20H	22 12 19.B1
SMOKE ALARM	FIRST ALERT	9120B	28 31 00



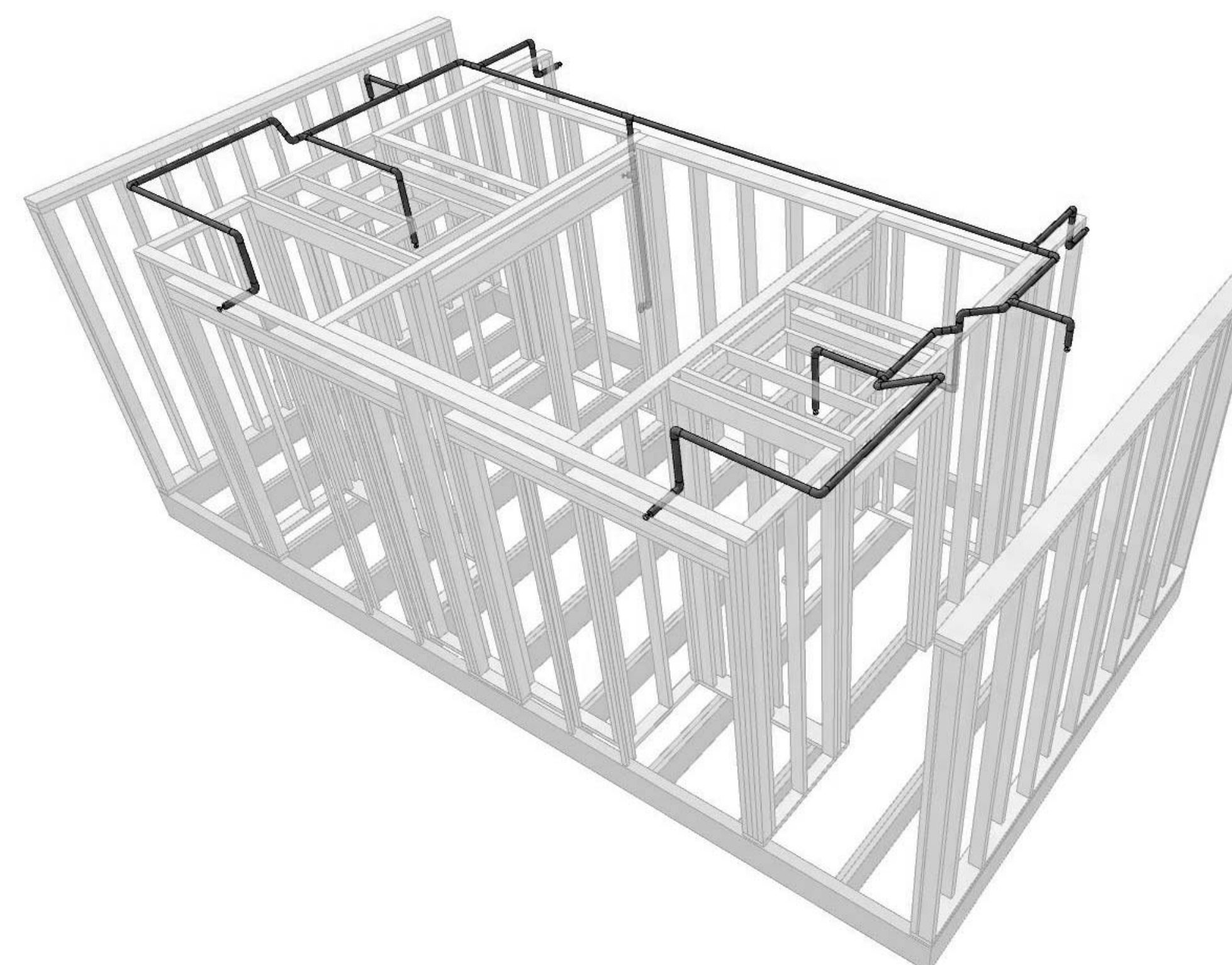
E1 FLEX FIRE-SUPPRESSION ISOMETRIC
NTS



E5 OUTDOOR KITCHEN FIRE-SUPPRESSION ISOMETRIC
NTS



A1 HOUSE FIRE-SUPPRESSION ISOMETRIC 1
NTS



A7 HOUSE FIRE-SUPPRESSION ISOMETRIC 2
NTS

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GENERAL NOTES

1. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
2. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
3. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
4. PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR METALS.
5. ALL NEW UNDERGROUND WATER PIPING SHALL BE INSTALLED BELOW THE FROST LINE BUT NOT LESS THAN 24" BELOW FINISHED GRADE TO PIPE CROWN.
6. ALL VENT LINES SHALL SLOPE UP TO VENT THROUGH ROOF. VENT THROUGH ROOF SHALL BE 10'-0" MINIMUM FROM ANY FRESH AIR INTAKES.
7. ALL WASTE STACKS SHALL HAVE A CLEAN OUT AT THE BASE OF THE STACK. COORDINATE LOCATION OF CLEAN OUTS WITH CASEWORK.
8. PROVIDE ISOLATION VALVES AT ALL FIXTURES.
9. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.
9. ALL WALL MOUNTED LAVATORIES TO HAVE INSULATION ON ANY EXPOSED PIPES.
10. COMPLETELY ROD AND FLUSH OUT ALL SANITARY WASTE LINES AFTER BUILDING IS COMPLETED.
11. PROVIDE CHROME ESCUTCHEON RINGS AT ALL EXPOSED CEILING AND WALL PENETRATIONS.

PLUMBING SHEET LIST

SHEET NO	SHEET NAME
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P-001	GENERAL NOTES
P-101	PLUMBING FIXTURE AND EQUIPMENT PLAN
P-102	SUPPLY LINE PLAN
P-103	DRAIN LINE PLAN
P-201	PLUMBING ELEVATIONS
P-401	ENLARGED SOLAR THERMAL PLANS
P-501	WATER STORAGE DETAILS
P-502	SOLAR THERMAL DETAILS
P-601	SUPPLY DIAGRAMS
P-602	WASTE LINE DIAGRAM & SCHEDULES
P-603	SUPPLY PLUMBING ISOMETRICS
P-604	WASTE PLUMBING ISOMETRICS
P-605	SOLAR THERMAL ISOMETRICS
P-606	ROOF DRAIN ISOMETRICS



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:

P-001

01

02

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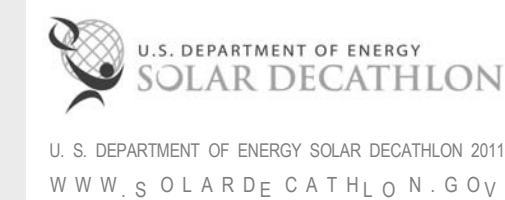


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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
PLUMBING FIXTURE AND
EQUIPMENT PLAN

SHEET NUMBER:

P-101

GENERAL SHEET NOTES

1. ALL STORAGE TANKS AND BLADDERS FOR COMPETITION PURPOSES ONLY
2. SUPPLY AND FIRE SUPPRESSION PUMPS AND ASSOCIATED PRESSURE TANKS FOR COMPETITION PURPOSES ONLY
3. 1/2" NATIONAL PIPE THREAD TAPERED THREAD (NPT) SHALL BE PROVIDED TO ACCEPT ORGANIZER EQUIPMENT.

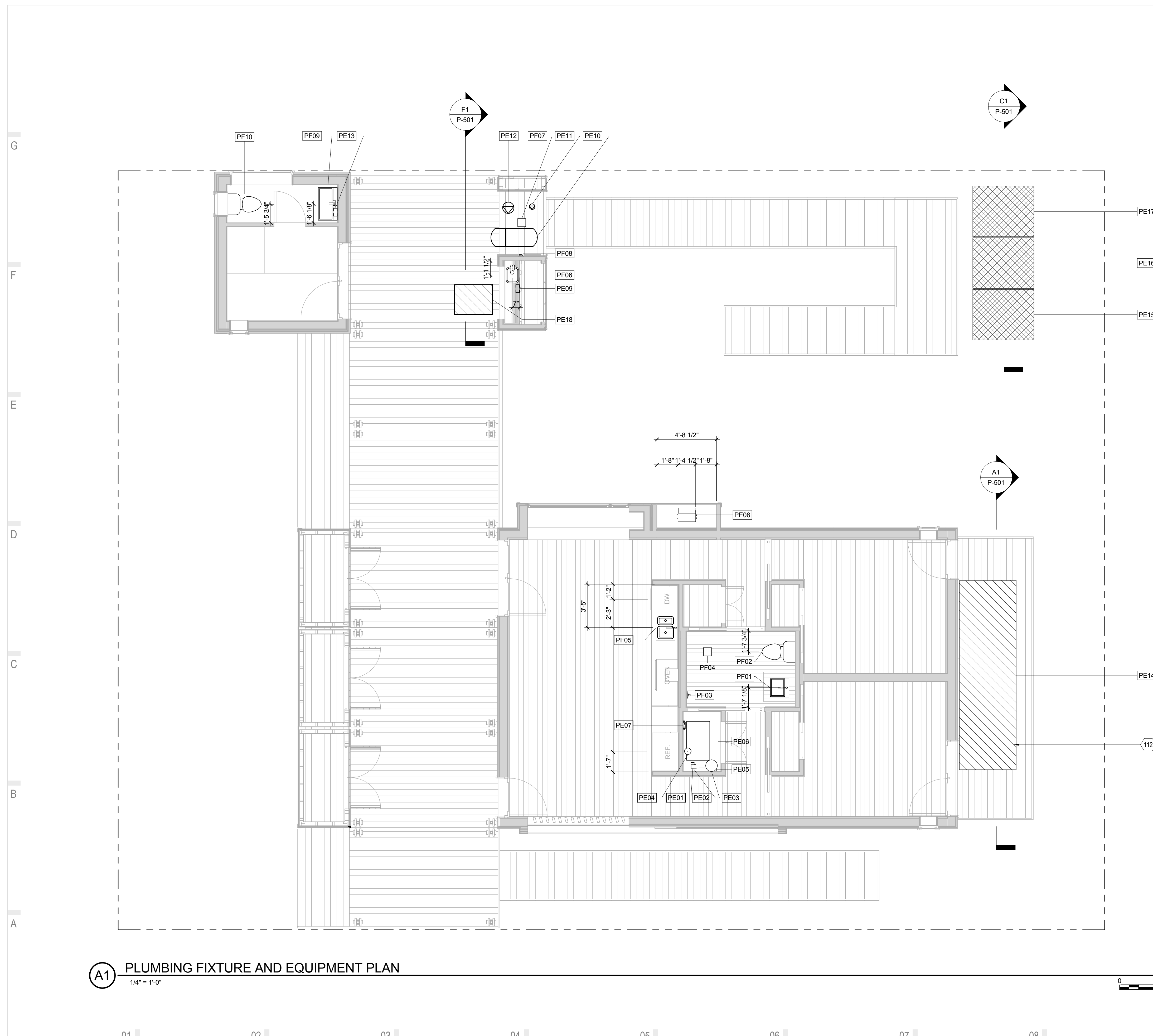
PLUMBING FIXTURE AND EQUIPMENT LEGEND

- WASTE WATER STORAGE
- SUPPLY WATER

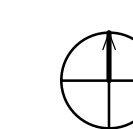
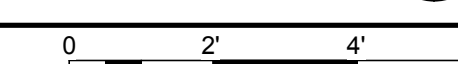
REFERENCE KEYNOTES

SHEET KEYNOTES

- 112 GRAY WATER TO BE REUSED FOR LANDSCAPE IRRIGATION



A1 PLUMBING FIXTURE AND EQUIPMENT PLAN
1/4" = 1'-0"



01 02 03 04 05 06 07 08 09 10

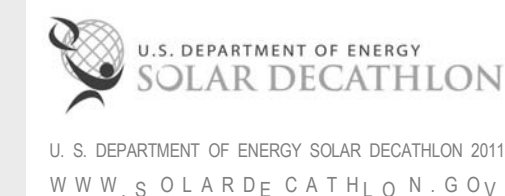


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MARK - DATE - DESCRIPTION

SHEET TITLE:
SUPPLY LINE PLAN

SHEET NUMBER:

P-102

GENERAL SHEET NOTES

1. ALL PLUMBING TO BE PEX PIPING OR TO MEET CODE REQUIREMENTS
2. ALL PLUMBING TO BE SIZED TO MEET CODE REQUIREMENTS
3. ALL STORAGE TANKS, WASTE BLADDERS AND ASSOCIATED PLUMBING FOR COMPETITION PURPOSES ONLY
4. SUPPLY AND FIRE-SUPPRESSION PUMPS AND ASSOCIATED PRESSURE TANKS FOR COMPETITION PURPOSES ONLY

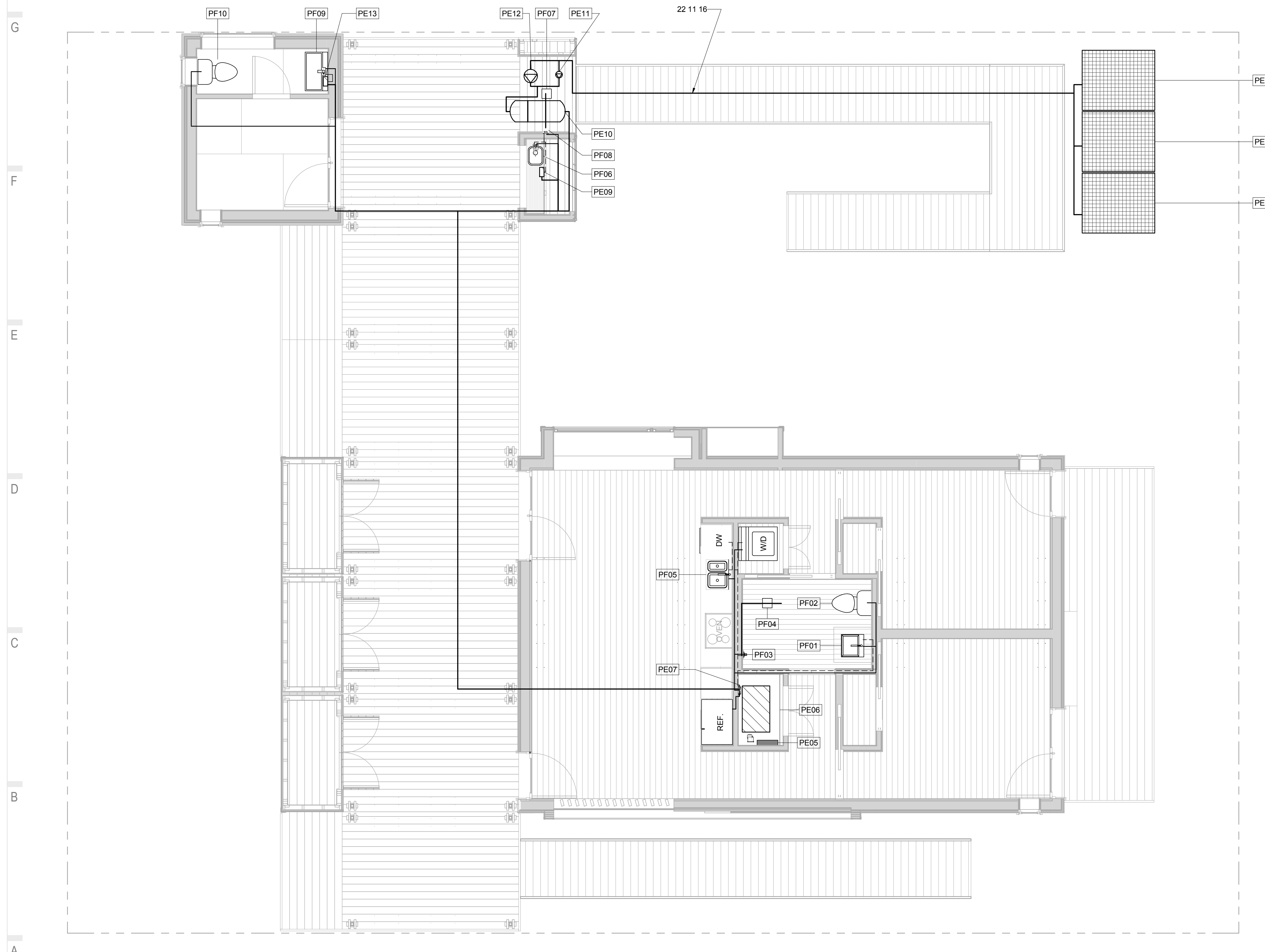
SUPPLY LINE LEGEND

- HOT WATER LINE
- COLD WATER LINE
- SUPPLY WATER STORAGE

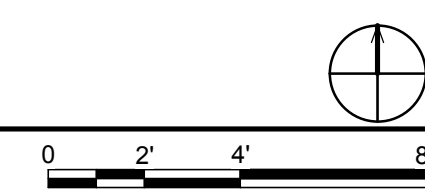
REFERENCE KEYNOTES

22 11 16 DOMESTIC WATER PIPING

SHEET KEYNOTES



A1 SUPPLY LINE PLAN
1/4" = 1'-0"



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GENERAL SHEET NOTES

1. ALL DRAIN PLUMBING TO BE PVC OR MEET CODE REQUIREMENTS
2. ALL DRAINS SLOPED TO MEET CODE REQUIREMENTS
3. ALL WATER CLOSETS WILL BE DISCONNECTED ALL WATER CLOSETS DURING THE PUBLIC EXHIBIT IN WASHINGTON DC.
4. ALL STORAGE TANKS, WASTE BLADDERS AND ASSOCIATED PLUMBING FOR COMPETITION PURPOSES ONLY
5. SUPPLY AND FIRE-SUPPRESSION PUMPS AND ASSOCIATED PRESSURE TANKS FOR COMPETITION PURPOSES ONLY.

DRAIN LINE PLAN

- AIR ADMITTANCE VALVE
- THROUGH ROOF VENT
- WASTE WATER LINE
- WASTE WATER STORAGE

REFERENCE KEYNOTES

22 11 16 DOMESTIC WATER PIPING

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SHEET KEYNOTES

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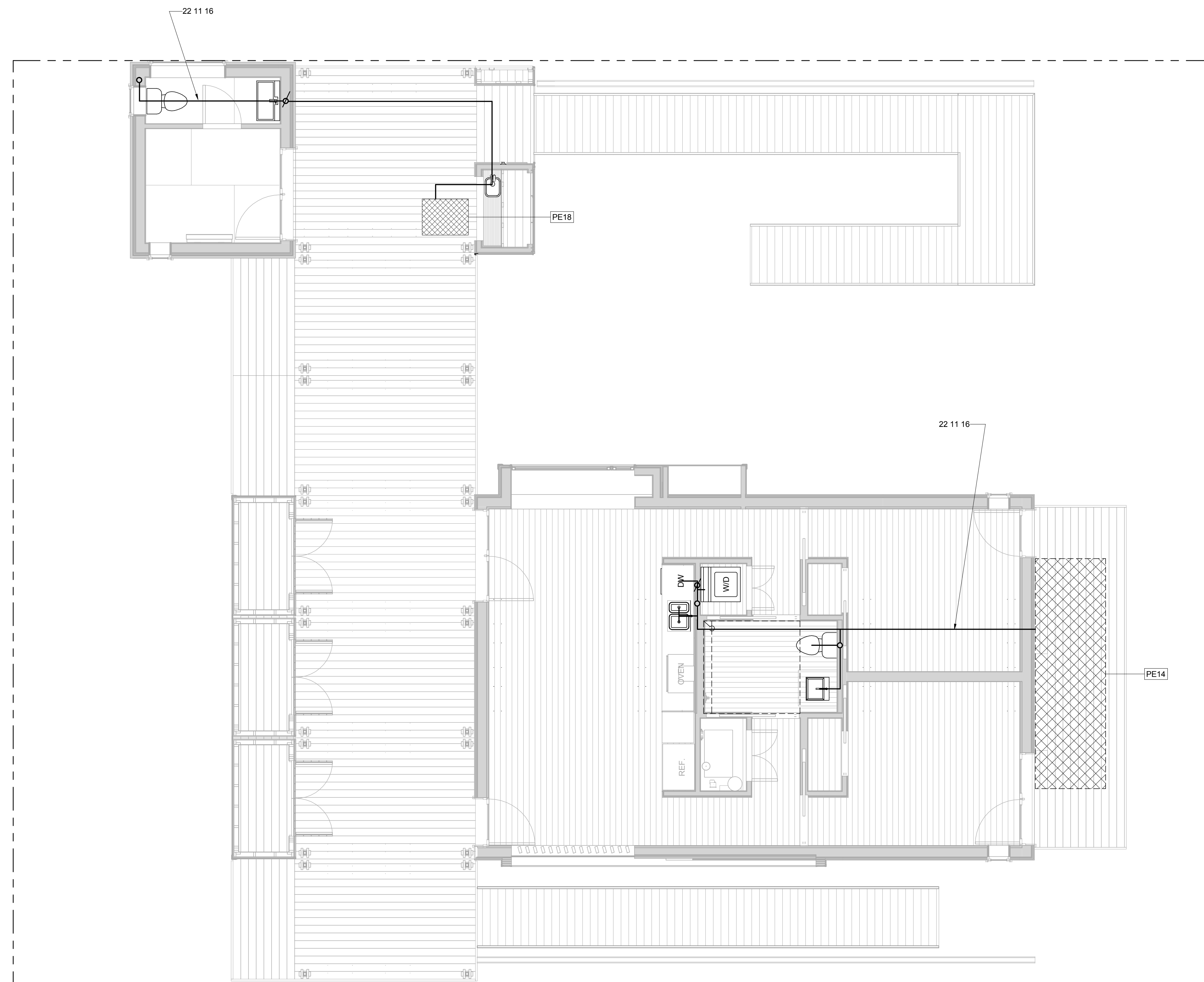
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DRAIN LINE PLAN

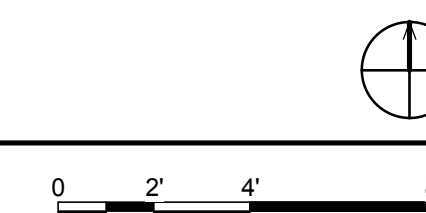
SHEET NUMBER:

P-103

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



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SHEET TITLE:
PLUMBING ELEVATIONS

SHEET NUMBER:

P-201

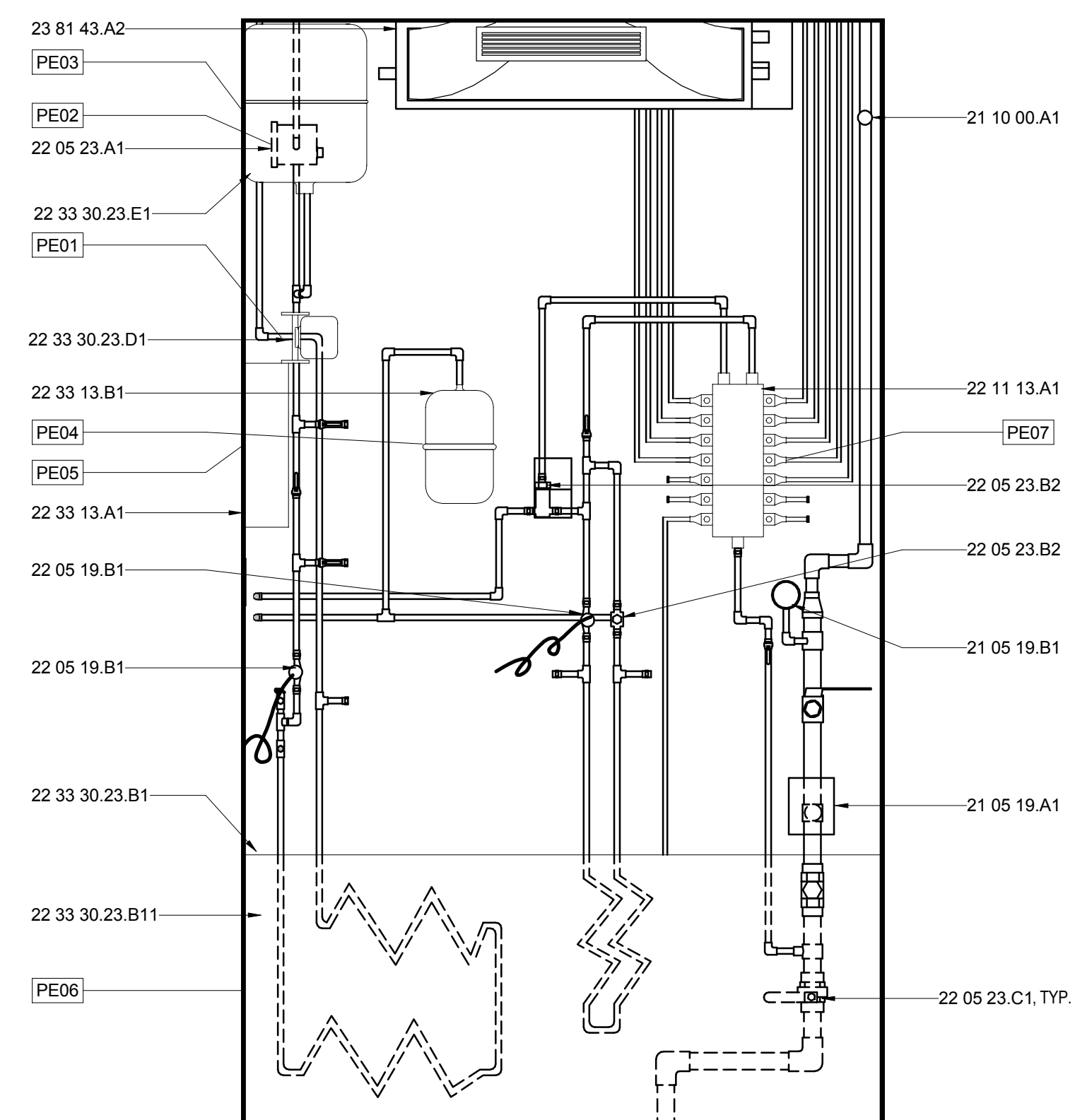
GENERAL SHEET NOTES

1. ALL PLUMBING TO BE PEX PIPING OR TO MEET CODE REQUIREMENTS.
2. ALL PLUMBING TO BE SIZED TO MEET CODE REQUIREMENTS.

REFERENCE KEYNOTES

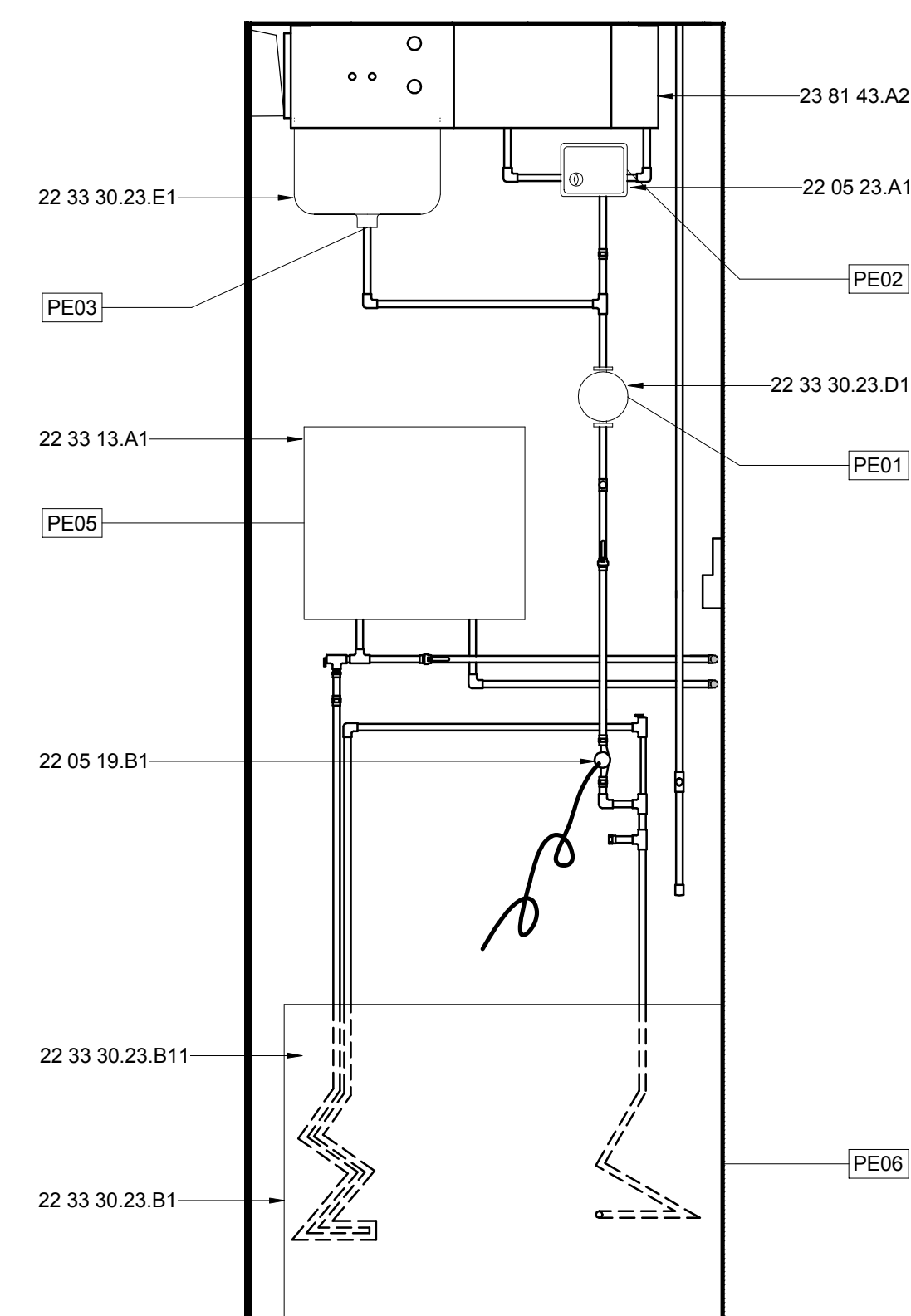
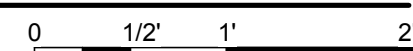
21 05 19.A1	FIRE-SUPPRESSION ALARM SWITCH
21 05 19.B1	PRESSURE GAUGE
21 10 00.A1	4.2K HORIZONTAL SIDEWALL SPRINKLER
22 05 19.B1	FLOWMETER
22 05 23.A1	3-WAY VALVE
22 05 23.B2	145 PSI MIXING VALVE
22 05 23.C1	BALL VALVE
22 11 13.A1	SUPPLY WATER DISTRIBUTION MANIFOLD
22 33 13.A1	WHOLE HOUSE INSTANT WATER HEATER
22 33 13.B1	TWO GALLON EXPANSION TANK
22 33 30.23.B1	LATENT STORAGE AND EXCHANGE DEVICE
22 33 30.23.B11	RE-MELT PARAFFIN WAX BLEND
22 33 30.23.D1	CIRCULATING PUMP
22 33 30.23.E1	5 GALLON EXPANSION TANK
23 81 43.A2	MAIN HOUSE HEAT PUMP - INDOOR UNIT

SHEET KEYNOTES



B1 MECH CLOSET WEST ELEVATION

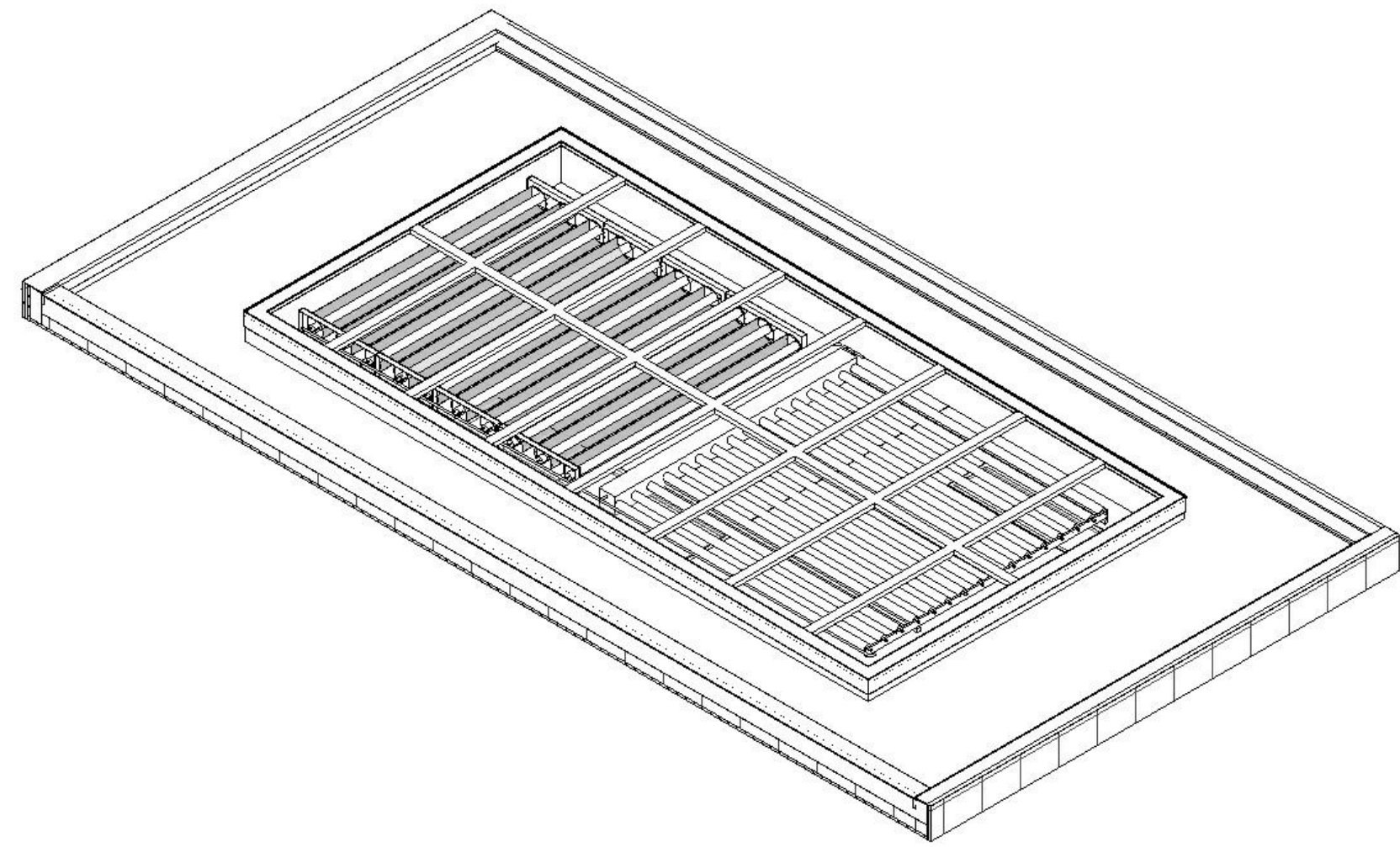
1" = 1'-0"



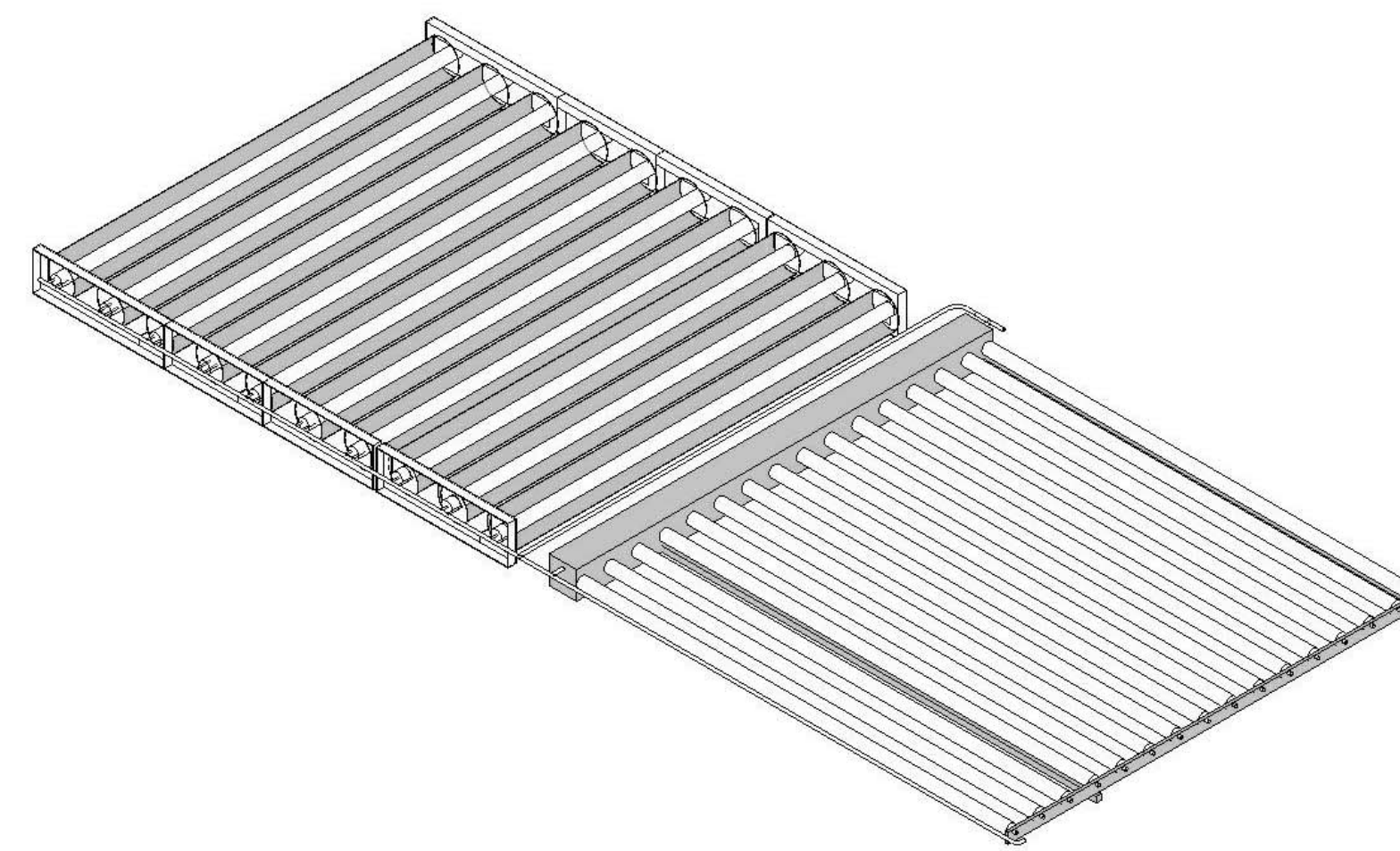
B6 MECH CLOSET SOUTH ELEVATION

1" = 1'-0"





F1 SOLAR THERMAL SKYLIGHT ISOMETRIC
NTS



F6 SOLAR THERMAL COLLECTOR ASSEMBLY ISOMETRIC
NTS

GENERAL SHEET NOTES

- ALL WATER STORAGE BLADDERS TO REST A MINIMUM OF 3.5" ABOVE GROUND



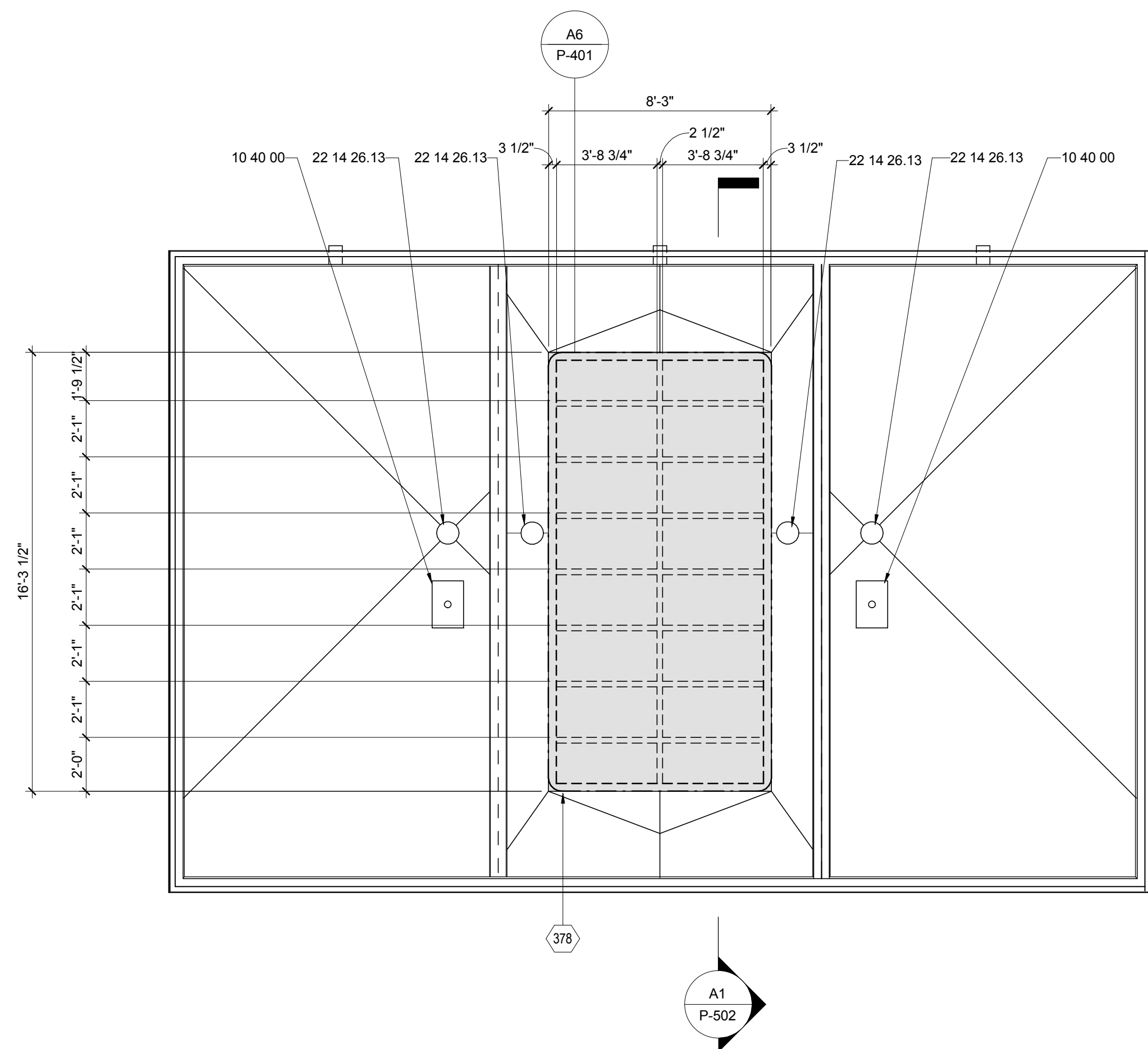
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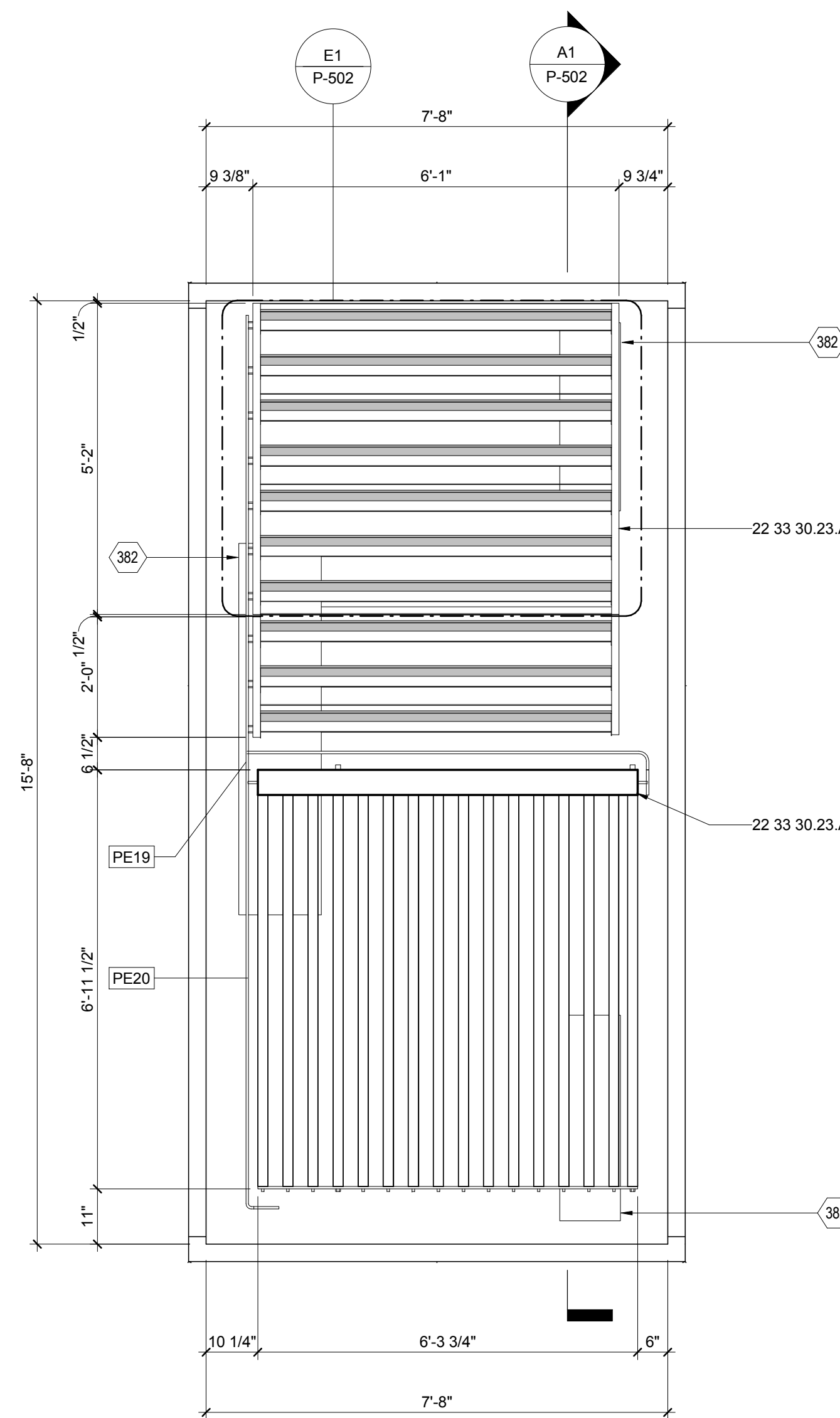
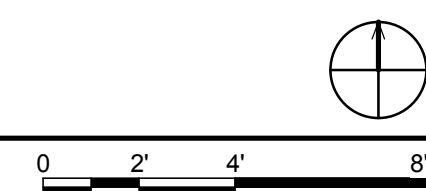
SEALS:

REFERENCE KEYNOTES

- | | |
|----------------|------------------------------|
| 10 40 00 | SAFETY SPECIALTIES |
| 22 14 26.13 | ROOF DRAINS |
| 22 33 30.23.A1 | SOLAR THERMAL COLLECTOR BANK |



A1 ENLARGED SOLAR THERMAL ROOF PLAN
1/4" = 1'-0"



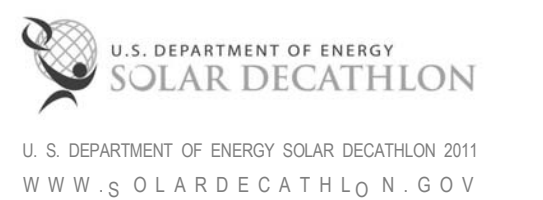
A6 ENLARGED COLLECTOR PLAN
1/2" = 1'-0"



SHEET KEYNOTES

- | | |
|-----|--|
| 378 | ALUMINUM FRAME ATTACHED TO SOLAR THERMAL PARAPET BELOW |
| 382 | SOLAR THERMAL SKYLIGHT OPENING |

CLIENT:



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CHECKED BY: JR, KL, CE, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
ENLARGED SOLAR THERMAL PLANS

SHEET NUMBER:

P-401



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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:

GENERAL SHEET NOTES

1. ALL SUPPLY TANKS, WASTE BLADDERS AND ASSOCIATED ASSEMBLIES ARE TEMPORARY AND FOR COMPETITION PURPOSES ONLY.
2. BEARING WEIGHT ON SOIL NOT TO EXCEED 1500 PSF.
3. ALL TANKS AND BLADDERS TO BE MINIMUM OF 3 1/2" ABOVE GRADE.
4. SUPPLY TANKS SHALL REMAIN UNCOVERED AND EASILY ACCESSIBLE UNTIL COMPLETION OF COMPETITION WATER DISTRIBUTION.
5. ALL WASTE WATER STORAGE WILL BE EASILY ACCESSIBLE UPON COMMENCEMENT OF WATER REMOVAL PROCESS.

PLUMBING DETAILS LEGEND

- STRAW BALE OUTLINE
- WATER IN STORAGE

REFERENCE KEYNOTES

06 11 00.D2	TREATED 2X4
06 11 00.H4	2X10 JOISTS @ 16" O.C.
06 11 00.I6	TREATED 2X12
06 11 00.L2	4X4 TREATED
06 11 00.M2	6X6 TREATED POST
06 15 13	WOOD FLOOR DECKING
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD
22 12 19	FACILITY GROUND-MOUNTED, POTABLE WATER STORAGE TANKS
22 12 19.C1	4" FILL CAP
22 13 53.A1	CUSTOM WASTE WATER BLADDER TANK
22 13 53.E1	4" FILL CAP

CLIENT:



SHEET KEYNOTES

15	FOUNDATION BEARING PADS
377	TEMPORARY FOR COMPETITION PURPOSES ONLY
379	LOCATION OF STRAW BALE COVER SHADING TANKS FROM SOLAR RADIATION
380	DECKING TO SHADE TANKS FROM SOLAR RADIATION

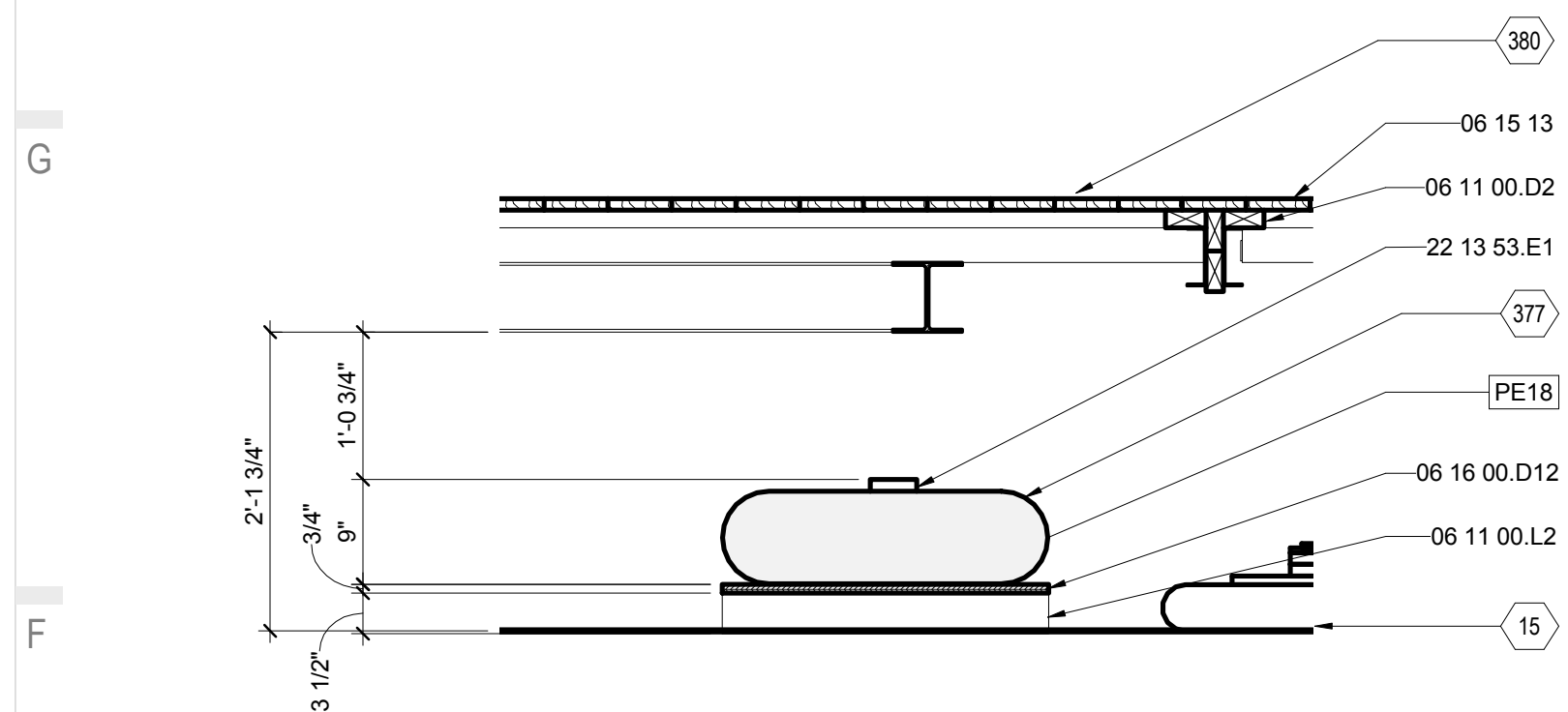
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MARK - DATE - DESCRIPTION

SHEET TITLE:
WATER STORAGE DETAILS

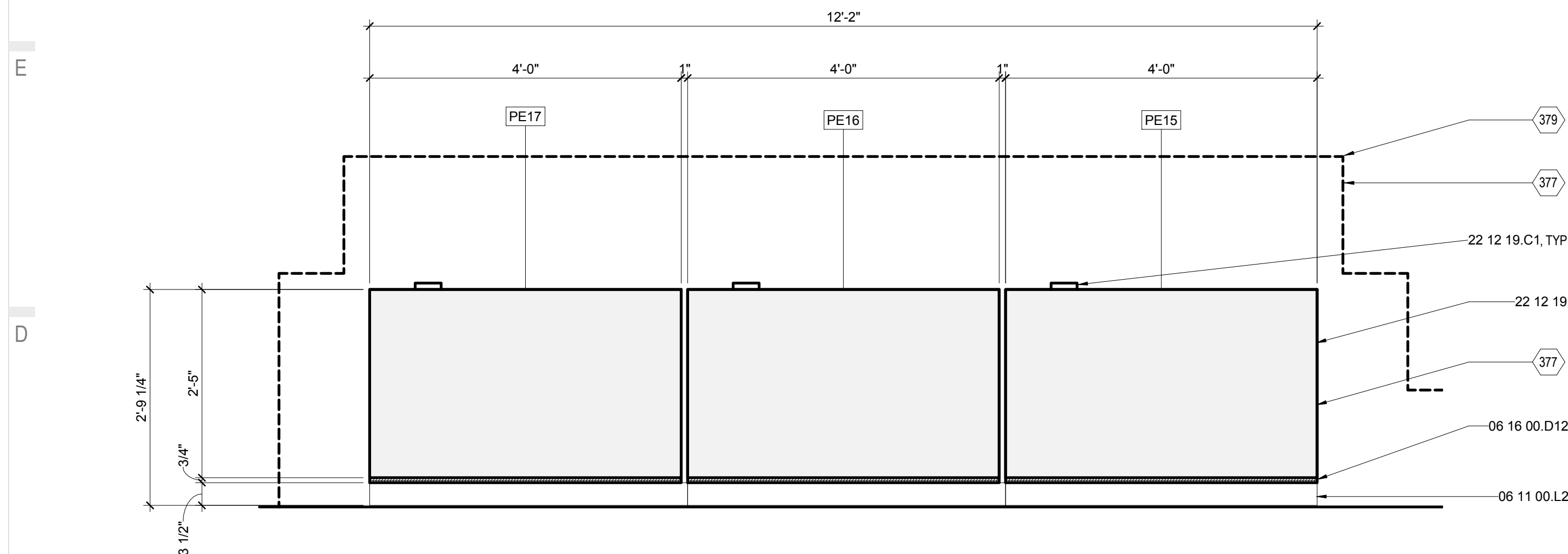
SHEET NUMBER:

P-501



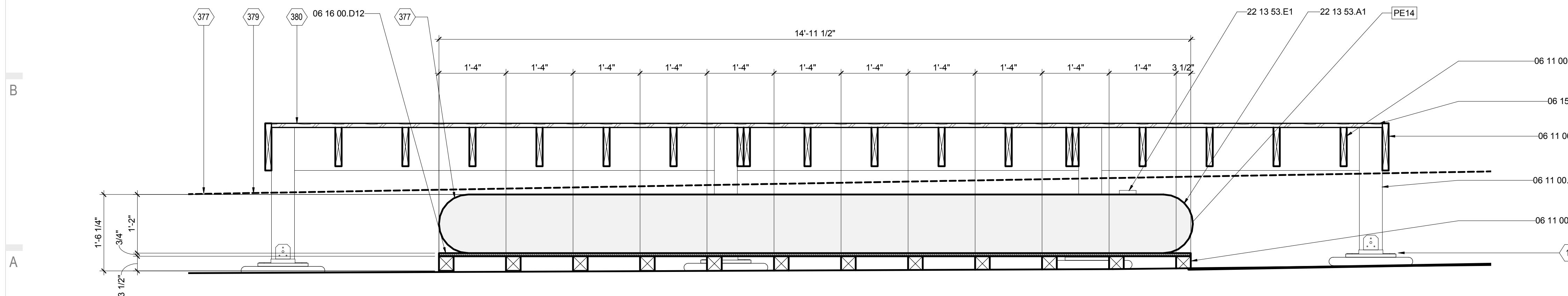
F1 FLEX WASTE BLADDER SECTION

3/4" = 1'-0"



C1 SUPPLY TANK SECTION

3/4" = 1'-0"



A1 HOUSE WASTE BLADDER SECTION

3/4" = 1'-0"



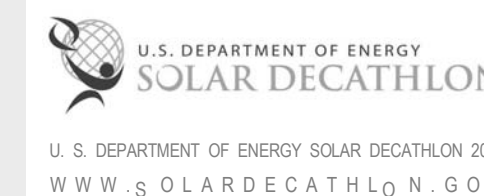


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
SOLAR THERMAL DETAILS

SHEET NUMBER:

P-502

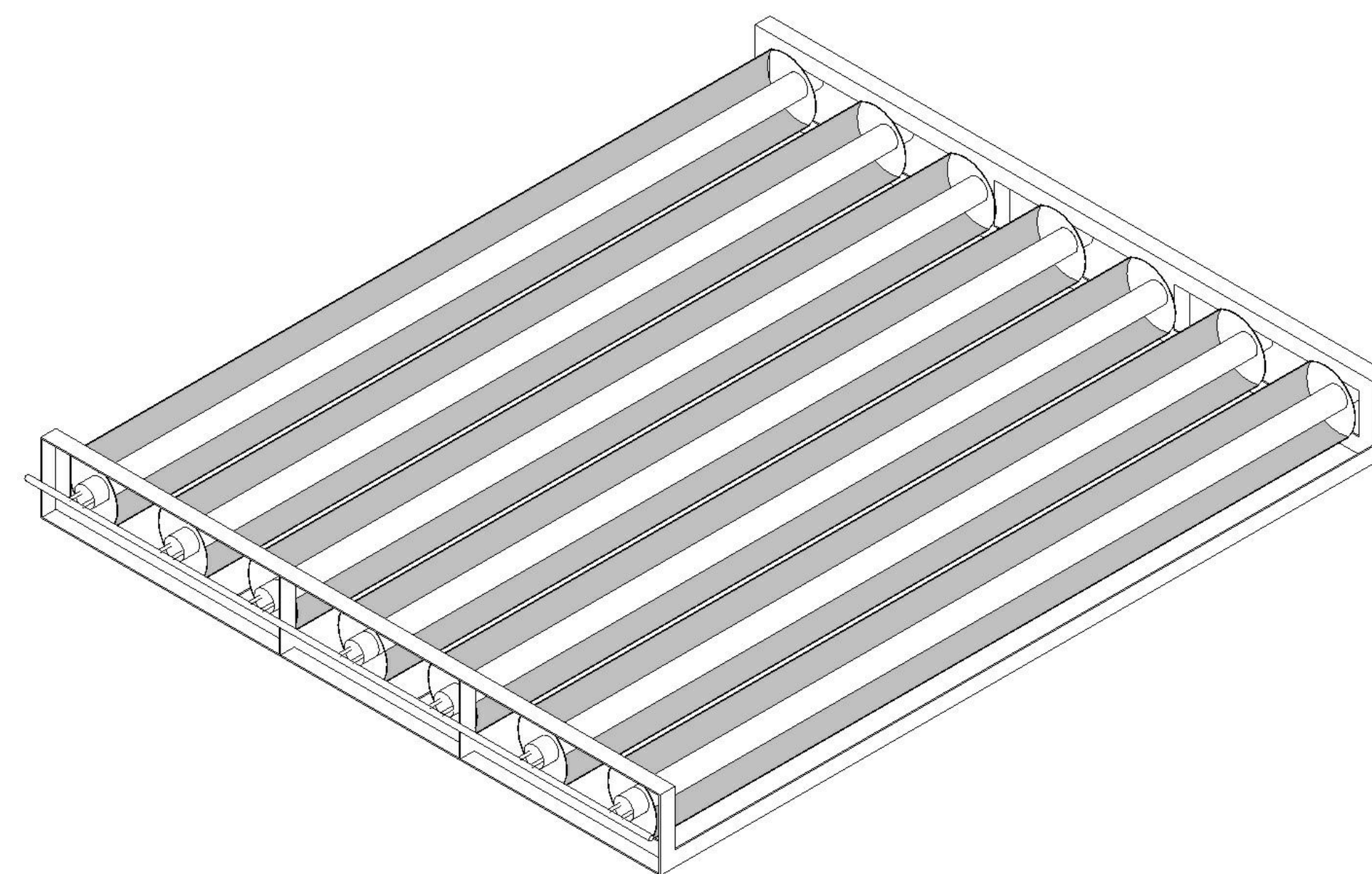
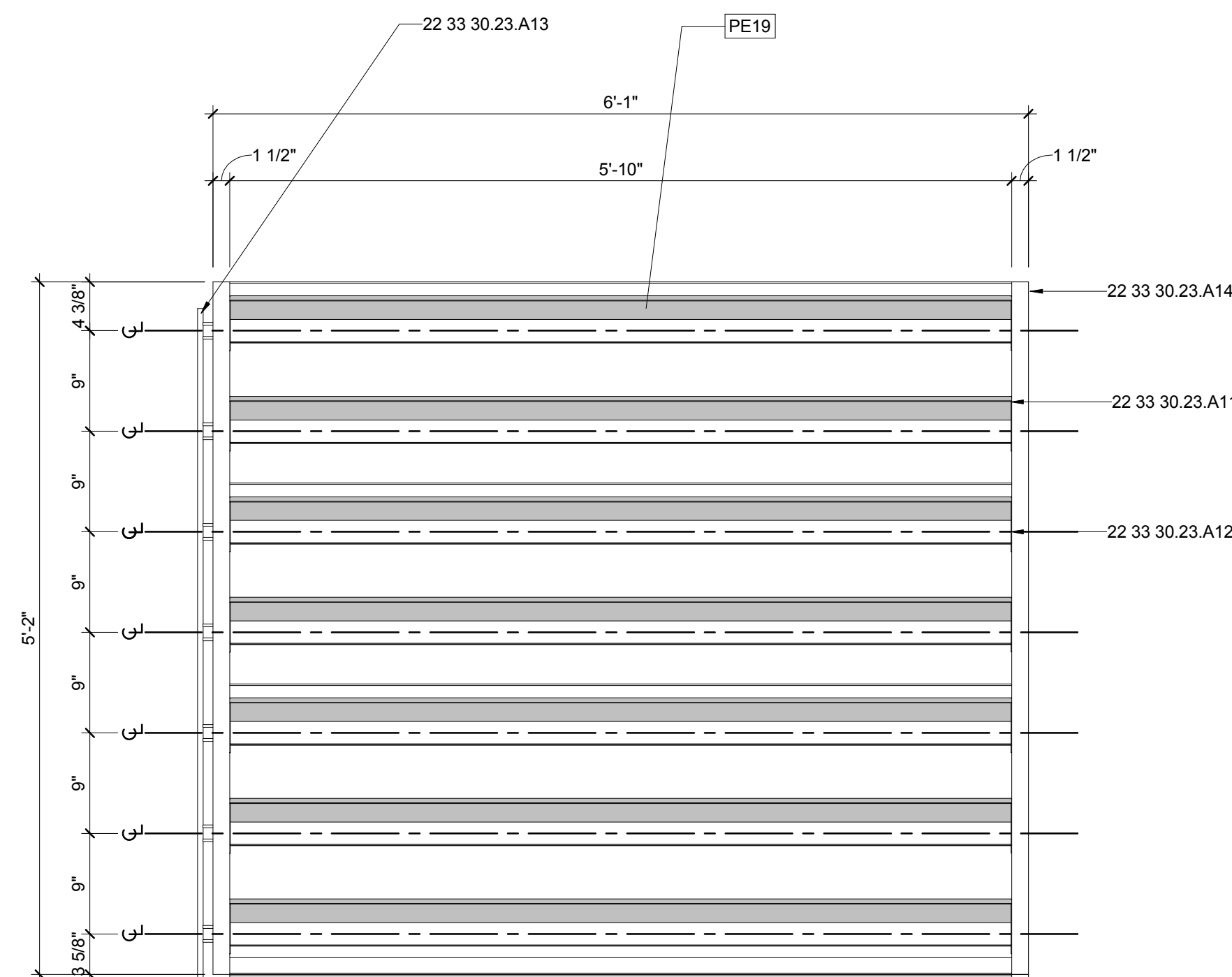
GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 11 00.D1	2X4
06 16 00.D11	3/4" PLYWOOD
07 21 13.B6	3" TAPERED RIGID INSULATION
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
22 33 30.23.A1	SOLAR THERMAL COLLECTOR BANK
22 33 30.23.A11	C TROUGH
22 33 30.23.A12	EVACUATED TUBE
22 33 30.23.A13	SOLAR THERMAL HEADER
22 33 30.23.A14	SOLAR THERMAL COLLECTOR FRAME

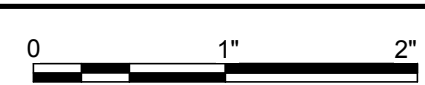
SHEET KEYNOTES

381	2X8 RIPPED TO 6 1/2"
382	SOLAR THERMAL SKYLIGHT OPENING
383	2X10 RIPPED TO 8 1/2"



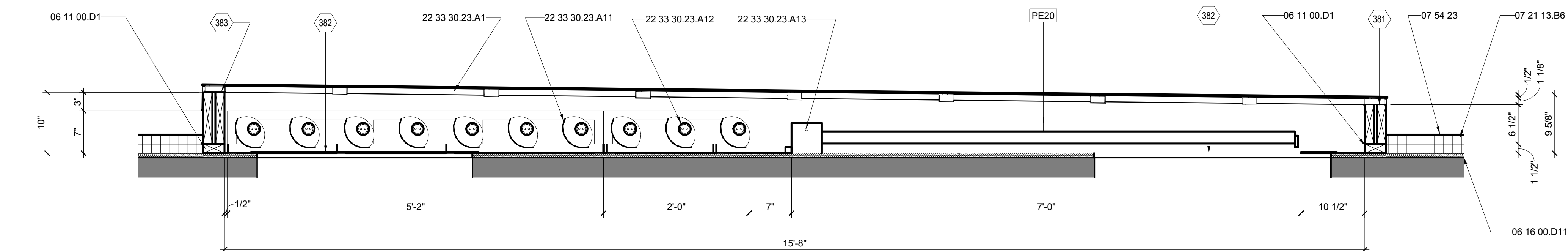
E1 CONCENTRATING SOLAR THERMAL COLLECTOR UNIT DETAIL

1" = 1'-0"



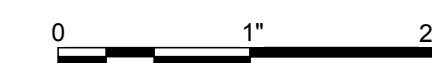
E5 CONCENTRATING SOLAR THERMAL COLLECTOR UNIT ISOMETRIC

NTS



A1 SOLAR THERMAL SECTION DETAIL

1" = 1'-0"



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01 02 03 04 05 06 07 08 09 10

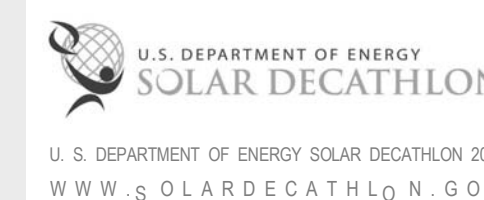


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
SUPPLY DIAGRAMS

SHEET NUMBER:

P-601

GENERAL SHEET NOTES

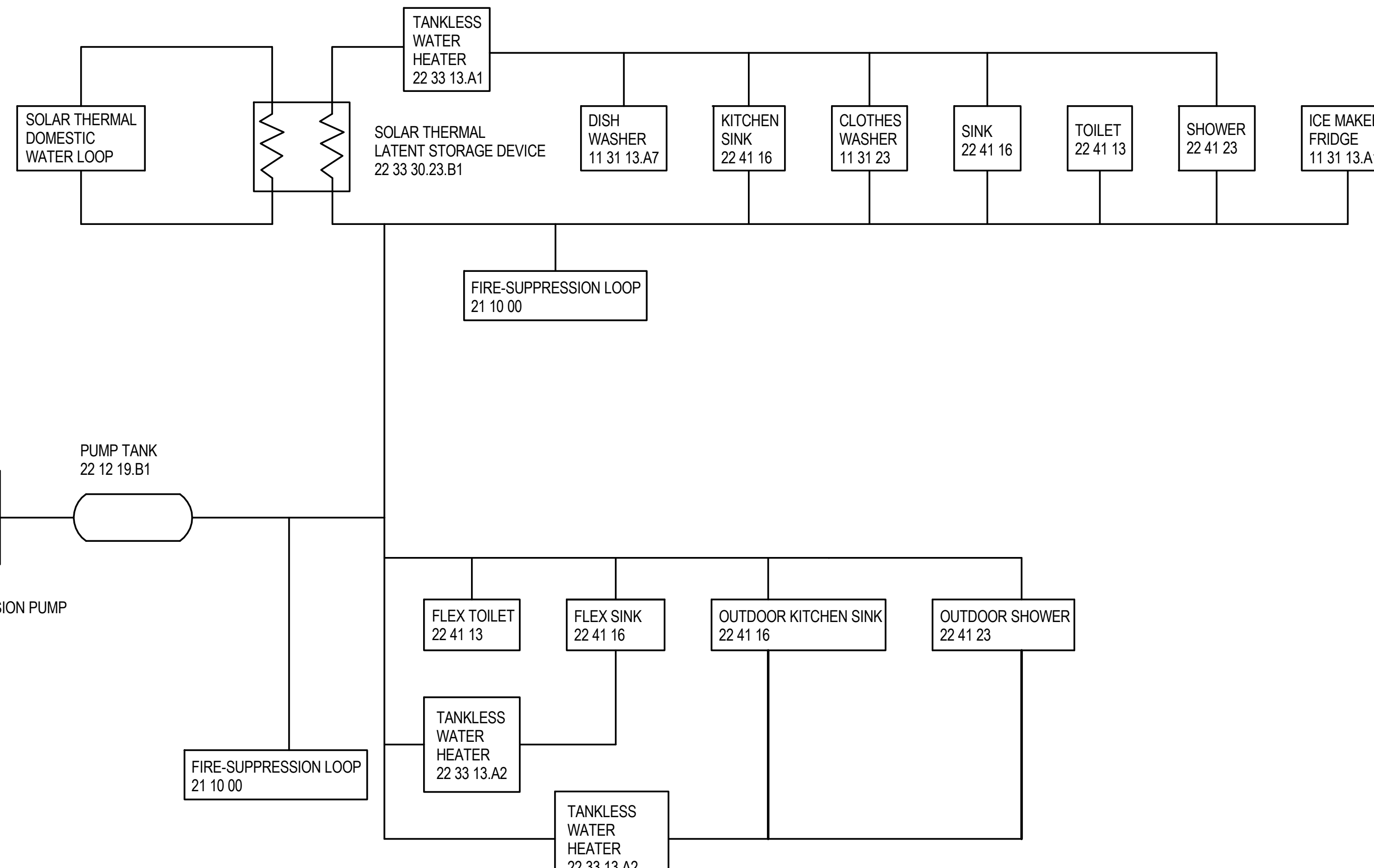
1. WATER STORAGE TANKS FOR COMPETITION PURPOSES ONLY
2. ALL TOILETS TO BE DISABLED DURING COMPETITION

REFERENCE KEYNOTES

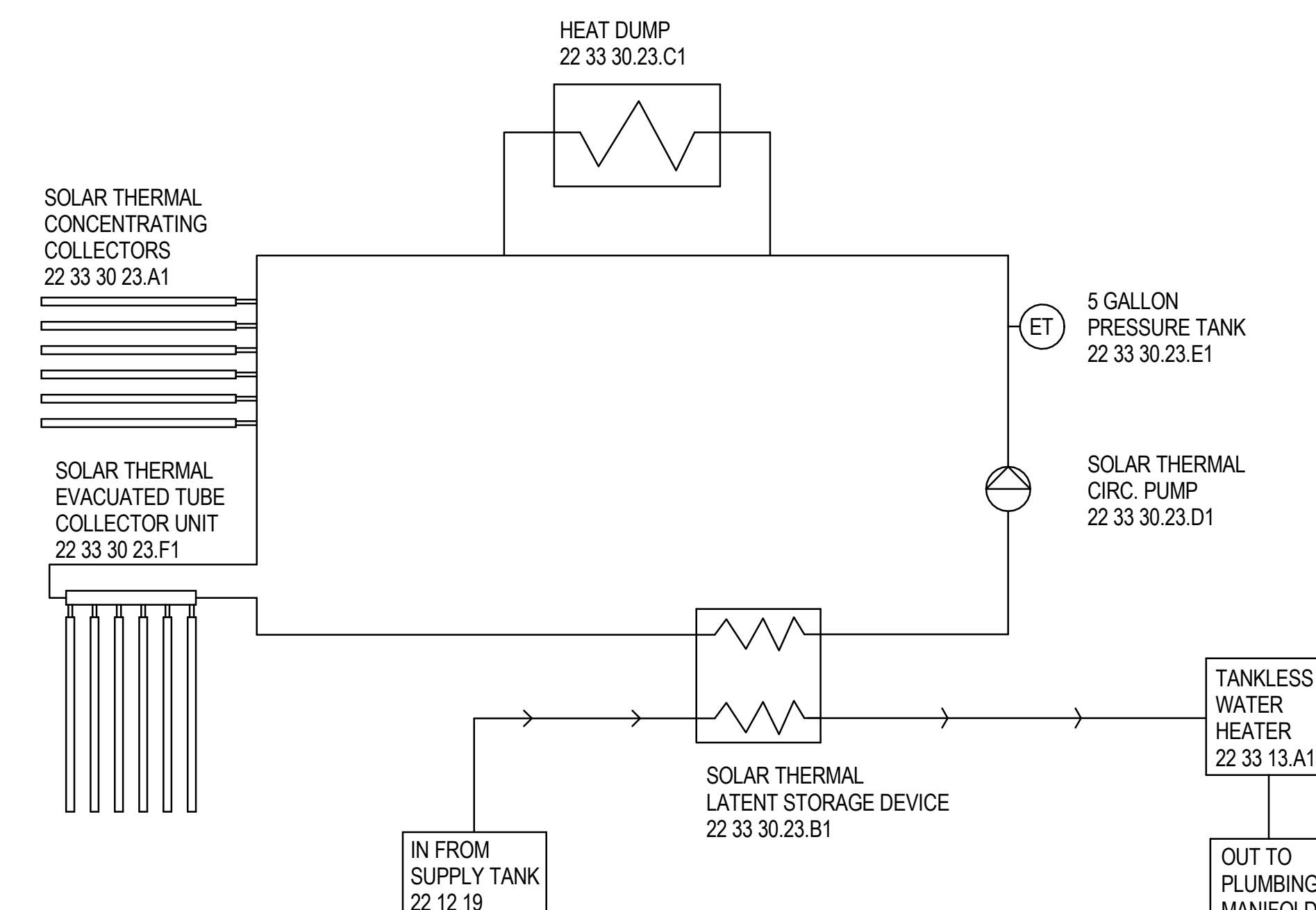
- | | |
|----------------|--|
| 11 31 13.A1 | REFRIGERATOR |
| 11 31 13.A7 | DISHWASHER |
| 11 31 23 | RESIDENTIAL LAUNDRY APPLIANCES |
| 21 10 00 | WATER-BASED FIRE-SUPPRESSION SYSTEMS |
| 22 11 23 | DOMESTIC WATER PUMPS |
| 22 12 19 | *FACILITY GROUND-MOUNTED, POTABLE WATER STORAGE TANKS* |
| 22 41 13 | *RESIDENTIAL WATER CLOSETS, URINALS, AND BIDETS* |
| 22 41 16 | RESIDENTIAL LAVATORIES AND SINKS |
| 22 41 23 | RESIDENTIAL SHOWER RECEPTORS AND BASINS |
| 22 33 13.A1 | WHOLE HOUSE INSTANT HOT WATER HEATER |
| 22 33 13.A2 | POINT OF USE INSTANT HOT WATER HEATER |
| 22 33 30 23.A1 | SOLAR THERMAL CONCENTRATING COLLECTORS |
| 22 33 30 23.F1 | SOLAR THERMAL EVACUATED COLLECTOR UNIT |
| 22 33 30 23.B1 | LATENT ENERGY EXCHANGE DEVICE |
| 22 33 30 23.C1 | SOLAR THERMAL HEAT DUMP |
| 22 33 30 23.D1 | CIRCULATING PUMP |
| 22 33 30 23.E1 | 5 GALLON EXPANSION TANK |

SHEET KEYNOTES

- | | |
|----|---------------------|
| 91 | 1/2HP WATER PUMP |
| 92 | WATER PRESSURE TANK |



D1 WATER SUPPLY DIAGRAM
NTS



A1 SOLAR THERMAL DOMESTIC WATER LOOP DIAGRAM
NTS

GENERAL SHEET NOTES

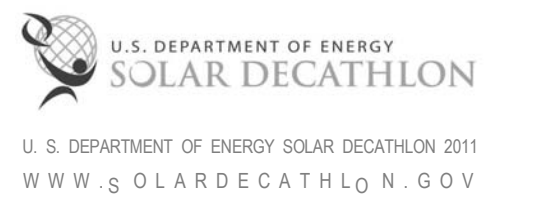


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
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SOLARHOMESTEAD@APPSTATE.EDU
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CLIENT:



REFERENCE KEYNOTES

- 11 31 13.A1 REFRIGERATOR
- 11 31 13.A7 DISHWASHER
- 11 31 23 RESIDENTIAL LAUNDRY APPLIANCES
- 22 13 53.A1 CUSTOM WASTE WATER BLADDER TANK
- 22 41 13 *RESIDENTIAL WATER CLOSETS, URINALS, AND BIDETS*
- 22 41 16 RESIDENTIAL LAVATORIES AND SINKS
- 22 41 23 RESIDENTIAL SHOWER RECEPTORS AND BASINS

SHEET KEYNOTES

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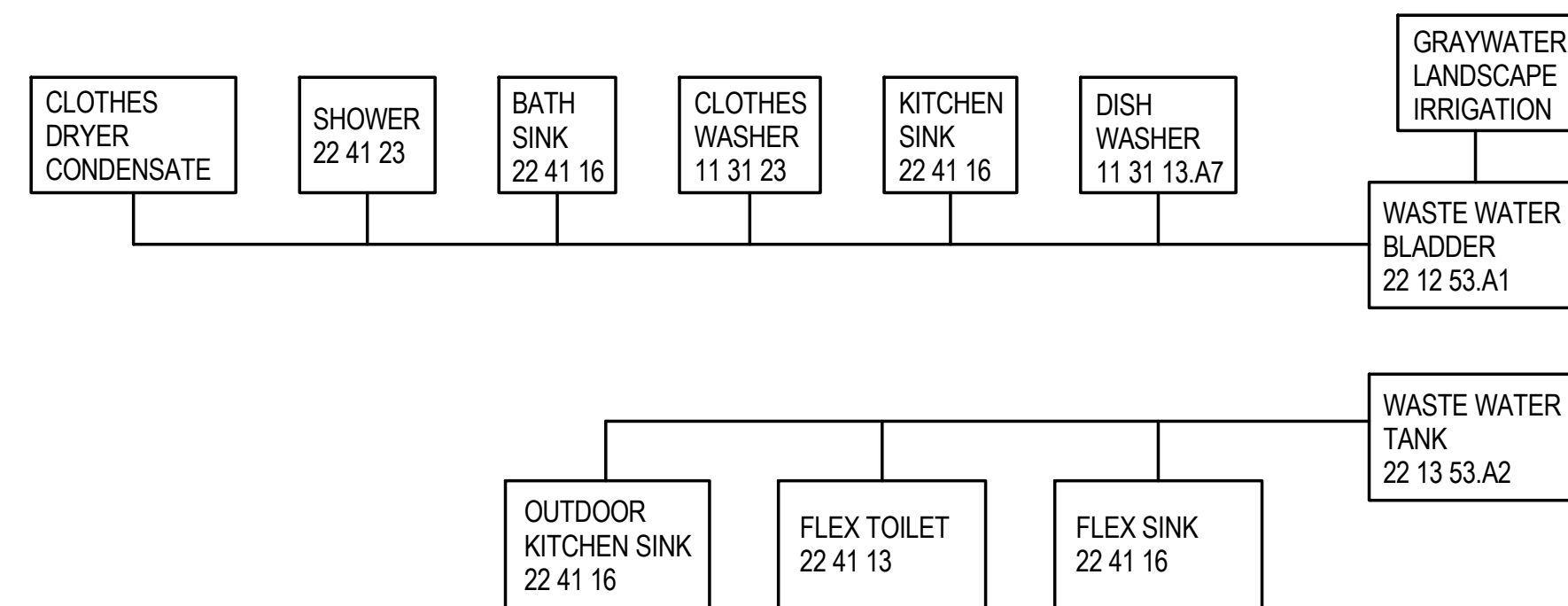
SHEET TITLE:
WASTE LINE DIAGRAM &
SCHEDULES

SHEET NUMBER:

P-602

PLUMBING EQUIPMENT SCHEDULE						
Mark	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	REFERENCE NUMBER	COMMENTS
PE01	SOLAR THERMAL CIRC. PUMP	MECHANICAL CLOSET	WILCO	STAR 32 F	22 33 30 23 D1	
PE02	3-WAY VALVE	MECHANICAL CLOSET	DYNAQUIP CONTROLS	EYHG4AJE20H	22 05 23	
PE03	5 GAL. SOLAR THERMAL EXPANSION TANK	MECHANICAL CLOSET	UTILITECH	LET-5	22 33 30 23 E1	
PE04	2 GAL. DOMESTIC EXPANSION TANK	MECHANICAL CLOSET	UTILITECH	LET-2	22 33 13 B1	
PE05	WHOLE HOUSE INSTANT WATER HEATER	MECHANICAL CLOSET	STIEBEL ELTRON	24	22 33 13 A1	
PE06	HEAT EXCHANGER	MECHANICAL CLOSET	ASU	CUSTOM	22 33 30 23 B1	ASU PRODUCT
PE07	PLUMBING MANIFOLD	MECHANICAL CLOSET	VIEGA	MANABLOC	22 11 13 A1	
PE08	SOLAR THERMAL HEAT DUMP	HVAC COMPARTMENT	DRAGON BREATH HEATER	DB70	22 33 30 23 C1	
PE09	POINT-OF-USE BATH INSTANT WATER HEATER	FLEX OUTDOOR KITCHEN	STIEBEL ELTRON	220817- MINI 6	22 33 13 A2	
PE10	20 GAL PUMP TANK	UNDER FLEX OM	WELL SAVOR	CPT-20H	22 12 19 B1	TEMPORARY-FOR COMPETITION PURPOSE ONLY
PE11	SUPPLY WATER PUMP	UNDER FLEX OM	GRUNDFOS	JPF3A	22 11 23	TEMPORARY-FOR COMPETITION PURPOSE ONLY
PE12	FIRE-SUPPRESSION WATER PUMP	UNDER FLEX OM	GRUNDFOS	JPF7A	21 16 00	TEMPORARY-FOR COMPETITION PURPOSE ONLY
PE13	POINT-OF-USE BATH INSTANT WATER HEATER	FLEX BATH	STIEBEL ELTRON	220817- MINI 6	22 33 13 A2	
PE14	HOUSE WASTE WATER BLADDER	UNDER DECK	HUSKY PORTABLE	CUSTOM	22 13 53 A1	TEMPORARY-FOR COMPETITION PURPOSE ONLY, EQUIPPED WITH 1 1/2" BALL VALVE
PE15	HOUSE SUPPLY WATER TANK	EAST OF NORTH RAMP	ROTONICS	6457 H	22 12 19	TEMPORARY-FOR COMPETITION PURPOSE ONLY
PE16	HOUSE SUPPLY WATER TANK	EAST OF NORTH RAMP	ROTONICS	6457 H	22 12 19	TEMPORARY-FOR COMPETITION PURPOSE ONLY
PE17	HOUSE SUPPLY WATER TANK	EAST OF NORTH RAMP	ROTONICS	6457 H	22 12 19	TEMPORARY-FOR COMPETITION PURPOSE ONLY
PE18	FLEX WASTE WATER BLADDER	UNDER FLEX SPACE	HUSKY PORTABLE	HPC-BT-25	22 13 53 A2	TEMPORARY-FOR COMPETITION PURPOSE ONLY
PE19	SOLAR THERMAL CONCENTRATING COLLECTOR BANK	CORE MODULE ROOF	ASU	CUSTOM	22 33 30 23 A1	ASU PRODUCT
PE20	SOLAR THERMAL EVACUATED TUBE COLLECTOR UNIT	CORE MODULE ROOF	SEIDO	SEIDO2-16	22 33 30 23 F1	

PLUMBING FIXTURE SCHEDULE						
MARK	DESCRIPTION	LOCATION	FINISH	MANUFACTURER	MODEL	COMMENTS
PF01	LAVATORY	HOUSE BATHROOM	WHITE	AVANITY VITREOUS	CVE460SQ	VESSEL SINK
PF02	WATER CLOSET	HOUSE BATHROOM	COTTON	TOTO	CST412MF.10	10" ROUGH IN
PF03	VALVE	HOUSE BATHROOM	STAINLESS STEEL	DELTA	R10000-UNWS	
PF04	SHOWERHEAD	HOUSE BATHROOM	STAINLESS STEEL	DELTA	57740-SS	
PF05	SINK	HOUSE KITCHEN	STAINLESS STEEL	MOEN	22234	DROP IN DOUBLE BOWL SINK
PF06	SINK	OUTDOOR KITCHEN	STAINLESS STEEL	OPELLA	13200.045	UNDERMOUNT BAR SINK
PF07	SHOWERHEAD	OUTDOOR SHOWER	STAINLESS STEEL	DELTA	57740-SS	
PF08	VALVE	OUTDOOR SHOWER	STAINLESS STEEL	DELTA	R10000 UN WS	COUNTERSINK INTO WALL
PF09	LAVATORY	FLEX BATH	WHITE	IKEA	498.941.97	
PF10	WATER CLOSET	FLEX BATH	COTTON	TOTO	CST416MF.10	10" ROUGH IN



A1 DRAIN LINE DIAGRAM
NTS



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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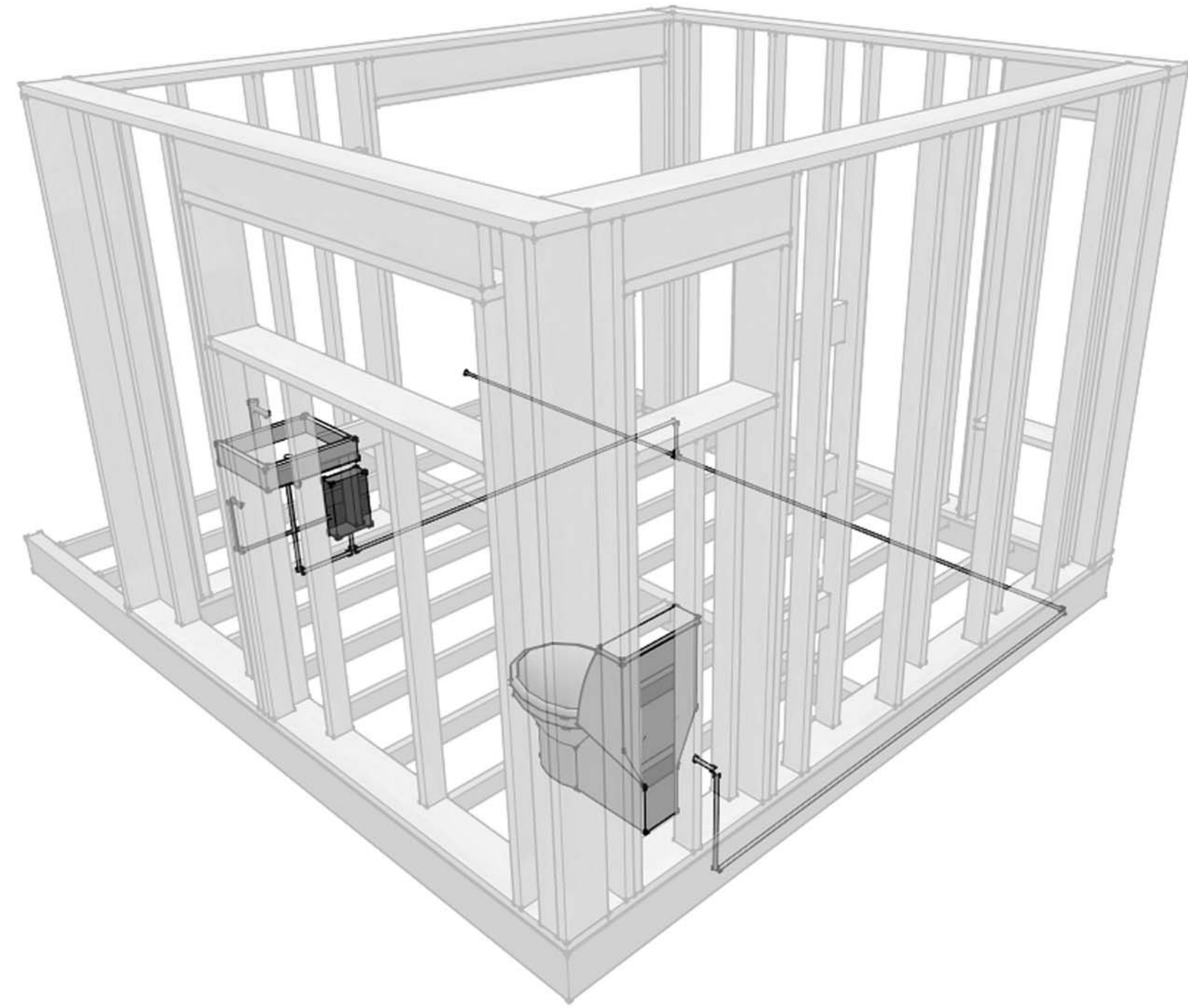
LOT #: 205 | APPST
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CHECKED BY: J.R., K.L., C.E.
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

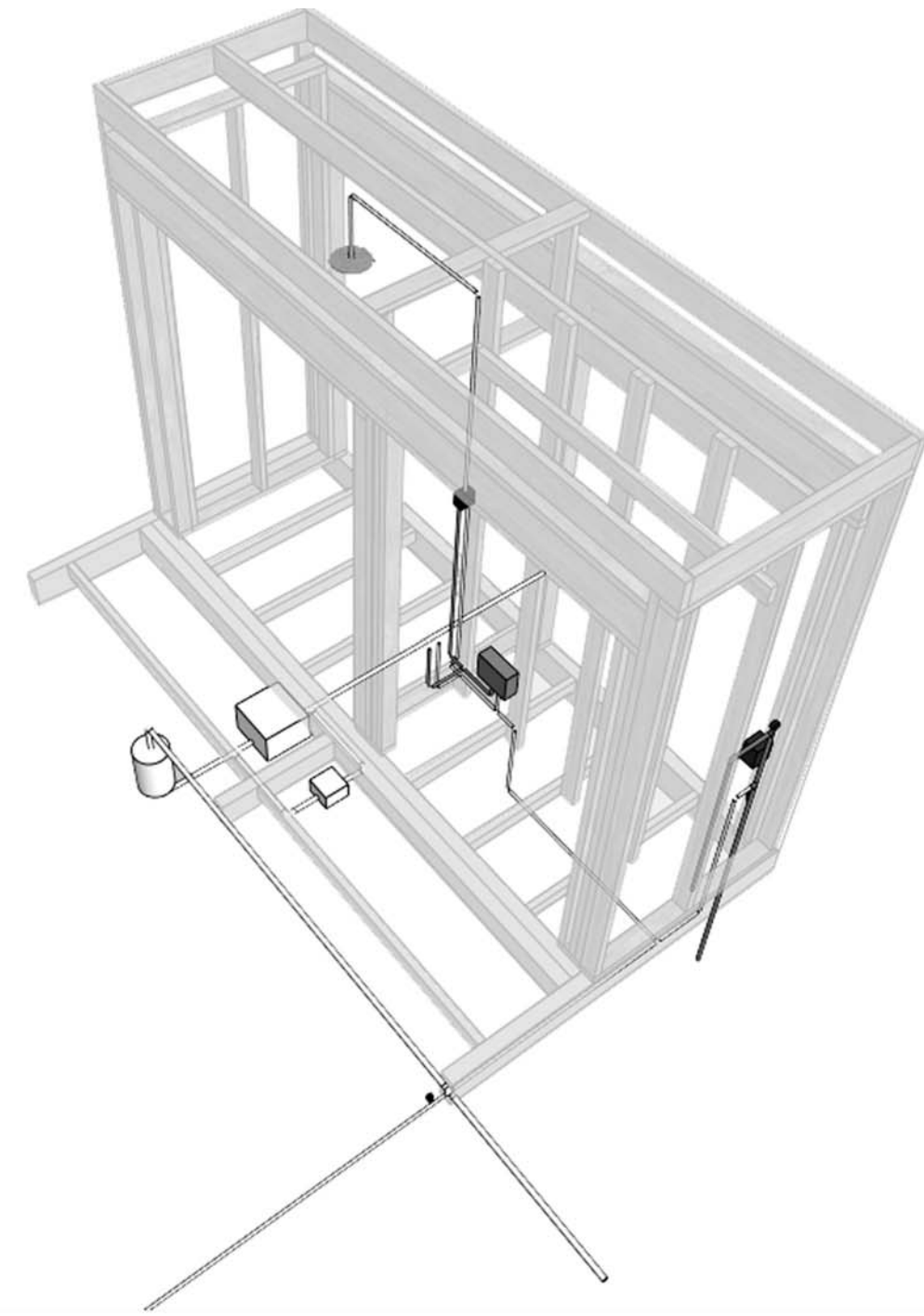
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SUPPLY PLUMBING ISOMETRICS

SHEET NUMBER:

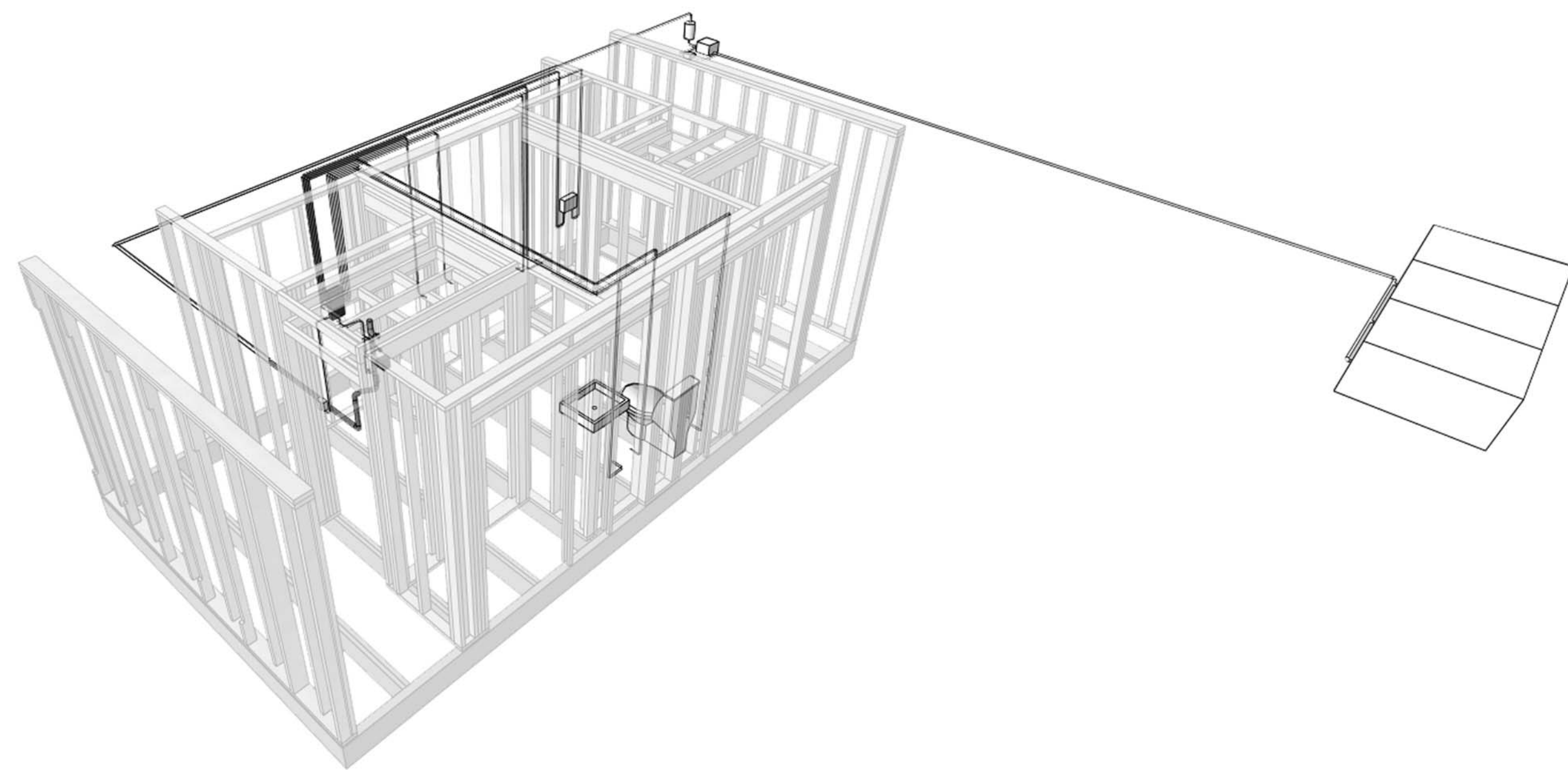
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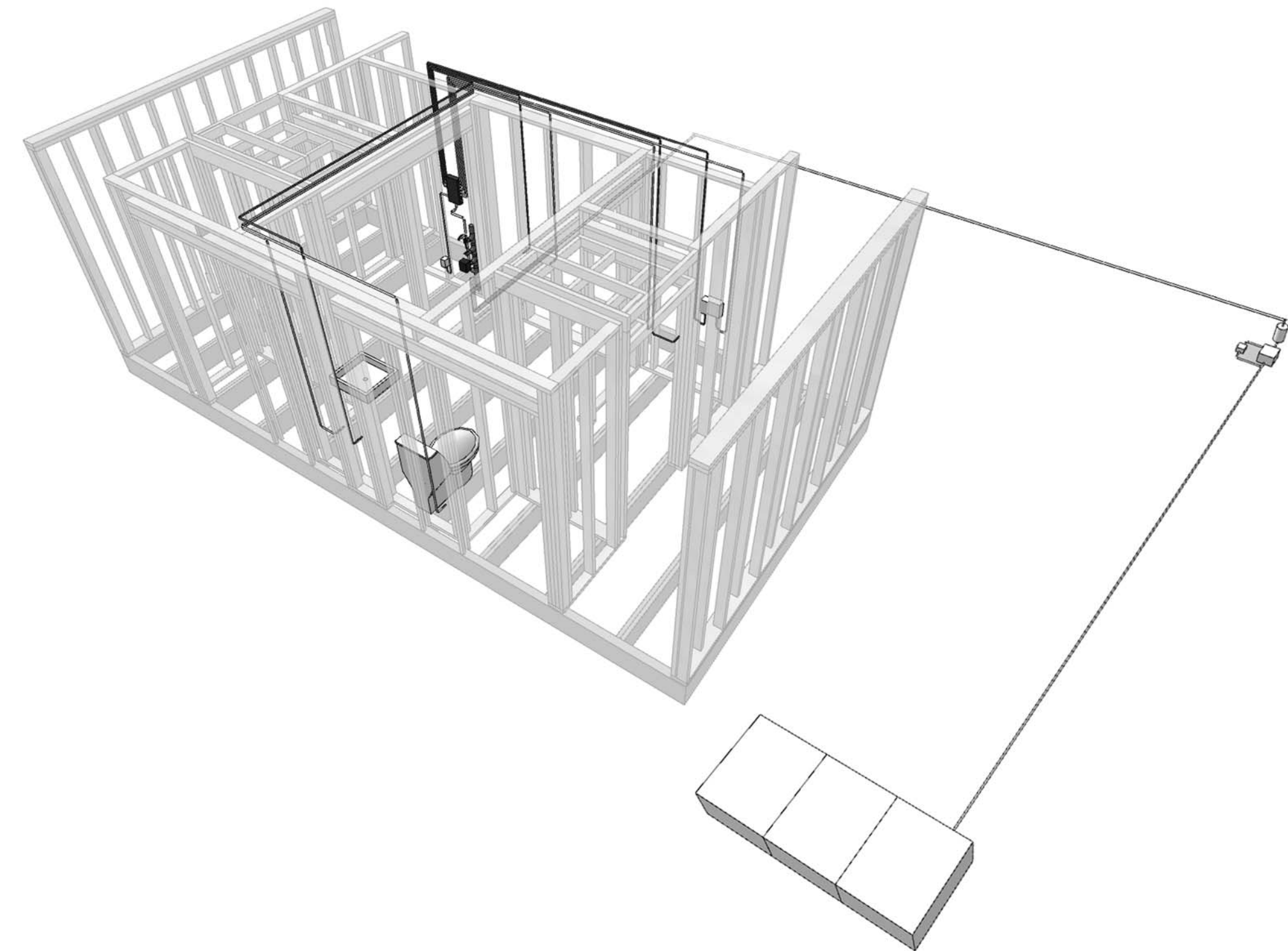
E1 FLEX SUPPLY ISOMETRIC
1/2" = 1'-0"



E7 OUTDOOR KITCHEN SUPPLY ISOMETRIC
1/2" = 1'-0"



A1 CORE SUPPLY ISOMETRIC 1
1/2" = 1'-0"



A7 CORE SUPPLY ISOMETRIC 2
1/2" = 1'-0"

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SOLARHOMESTEAD@APPSTATE.EDU
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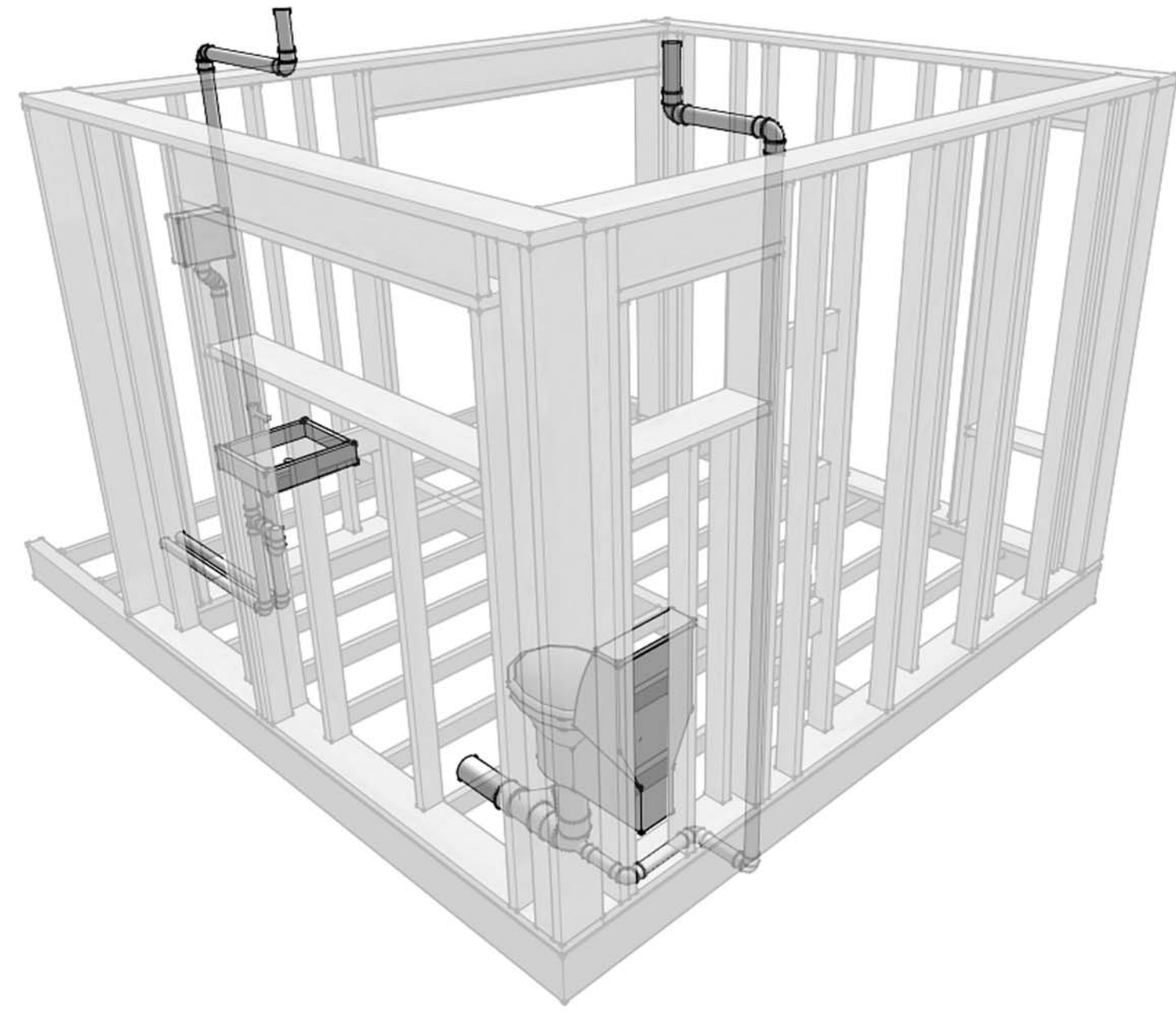
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STATUS: AS-BUILT DRAWINGS

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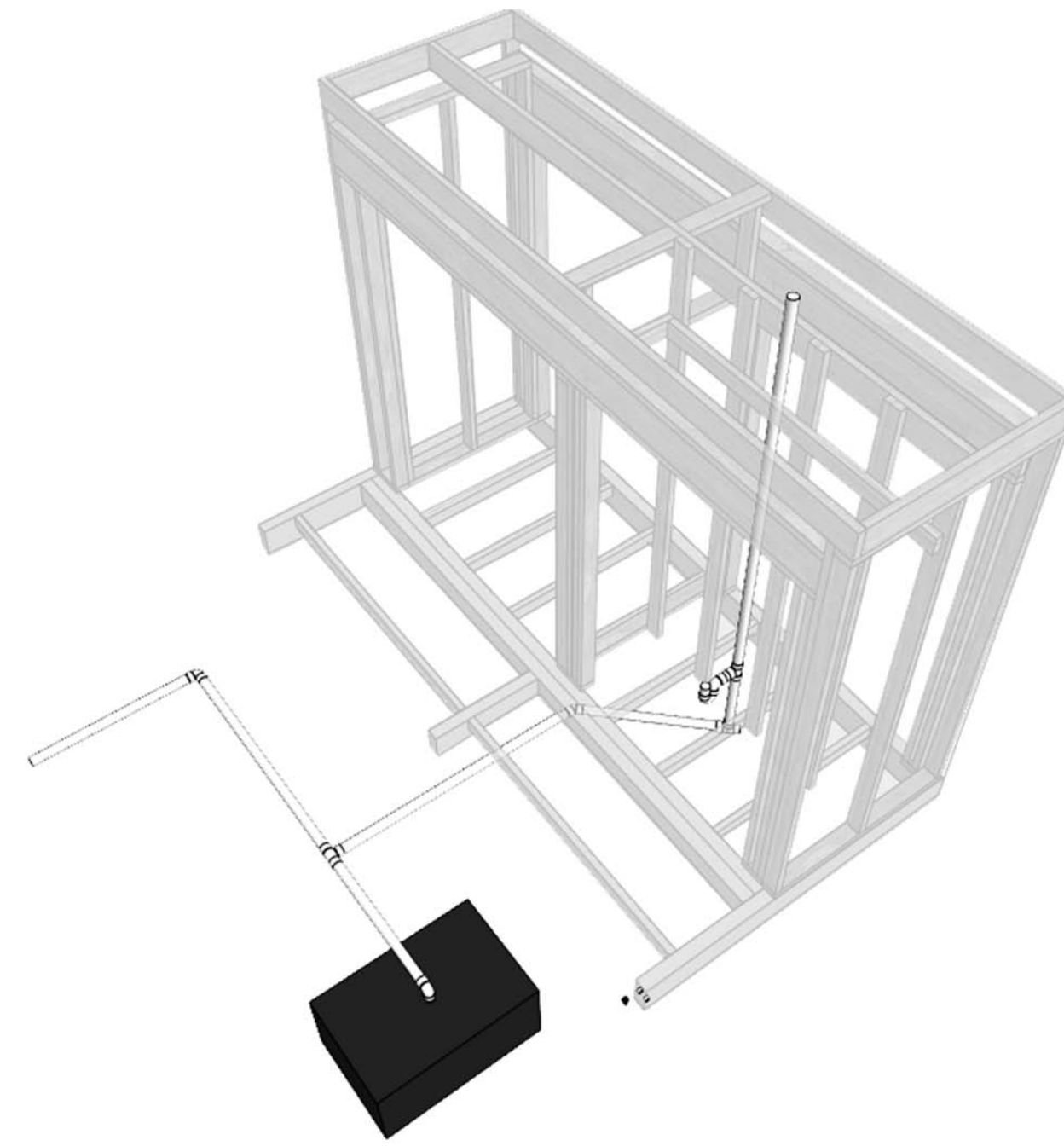
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WASTE PLUMBING ISOMETRICS

SHEET NUMBER:

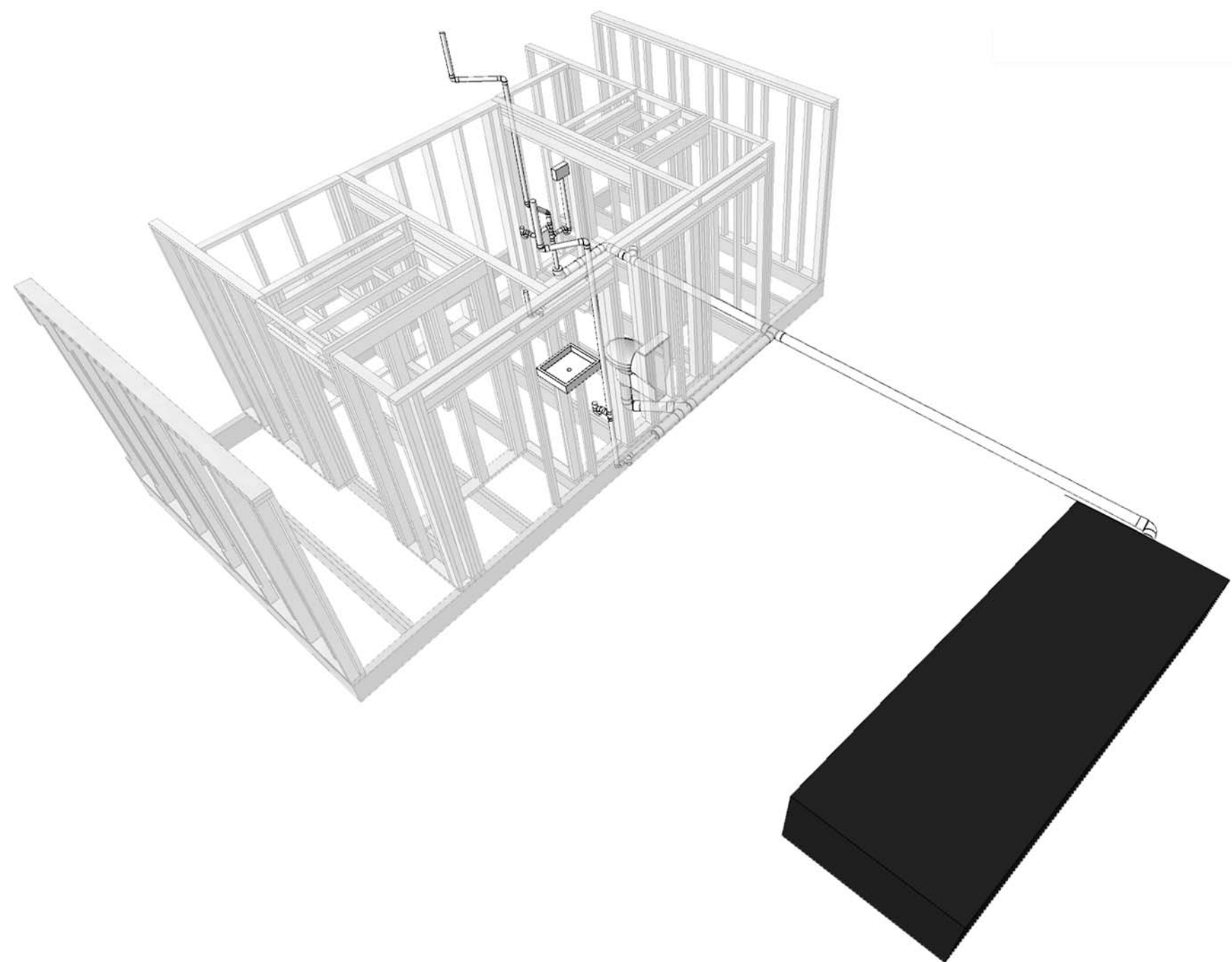
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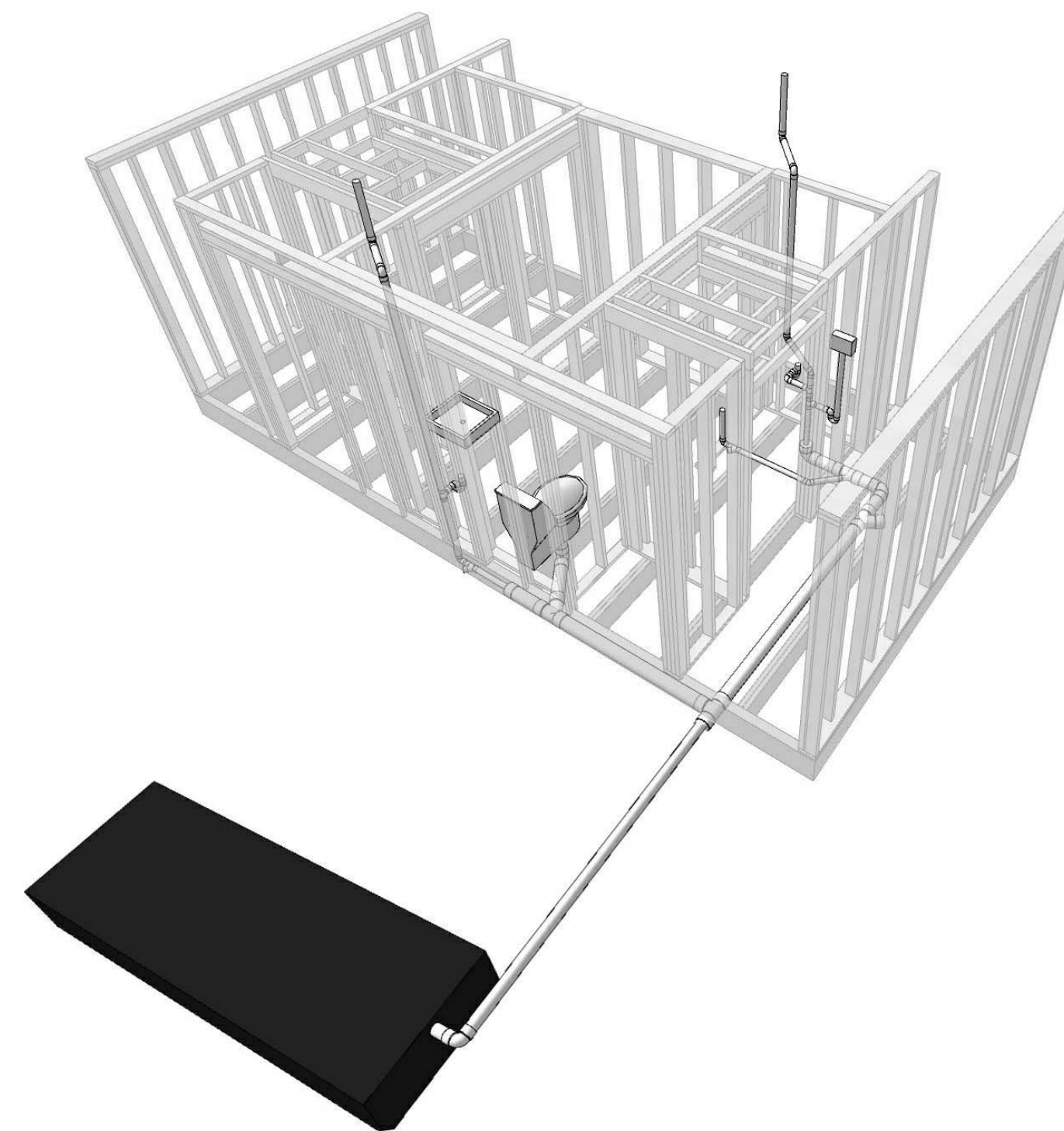
E1 FLEX WASTE ISOMETRIC
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E7 OUTDOOR KITCHEN WASTE ISOMETRIC
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A1 CORE ISOMETRIC 1
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A7 CORE ISOMETRIC 2
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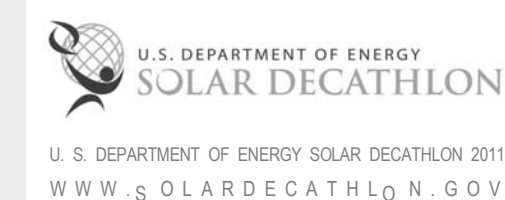


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APPALACHIAN STATE UNIVERSITY

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STATUS: AS-BUILT DRAWINGS

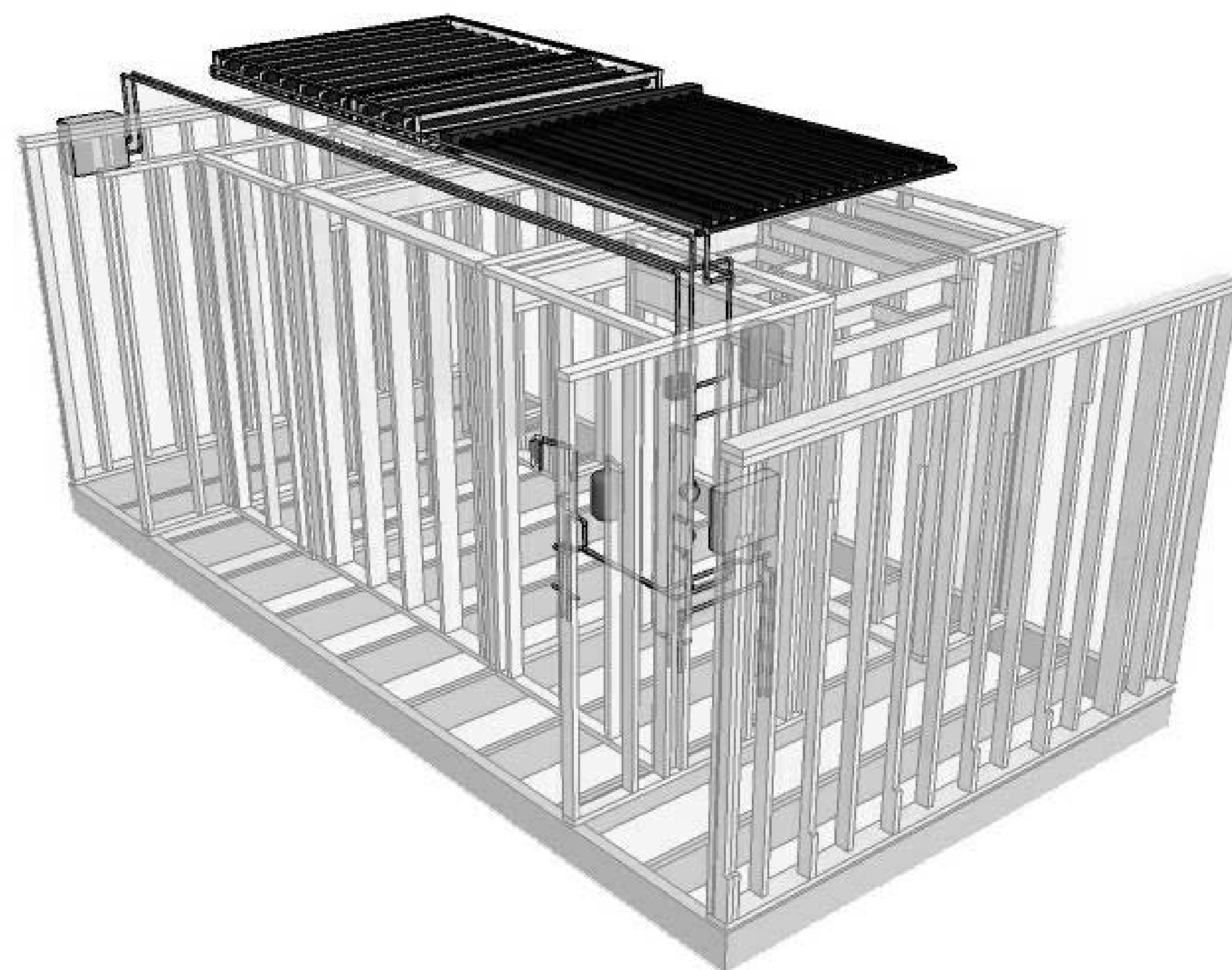
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SHEET TITLE:
SOLAR THERMAL ISOMETRICS

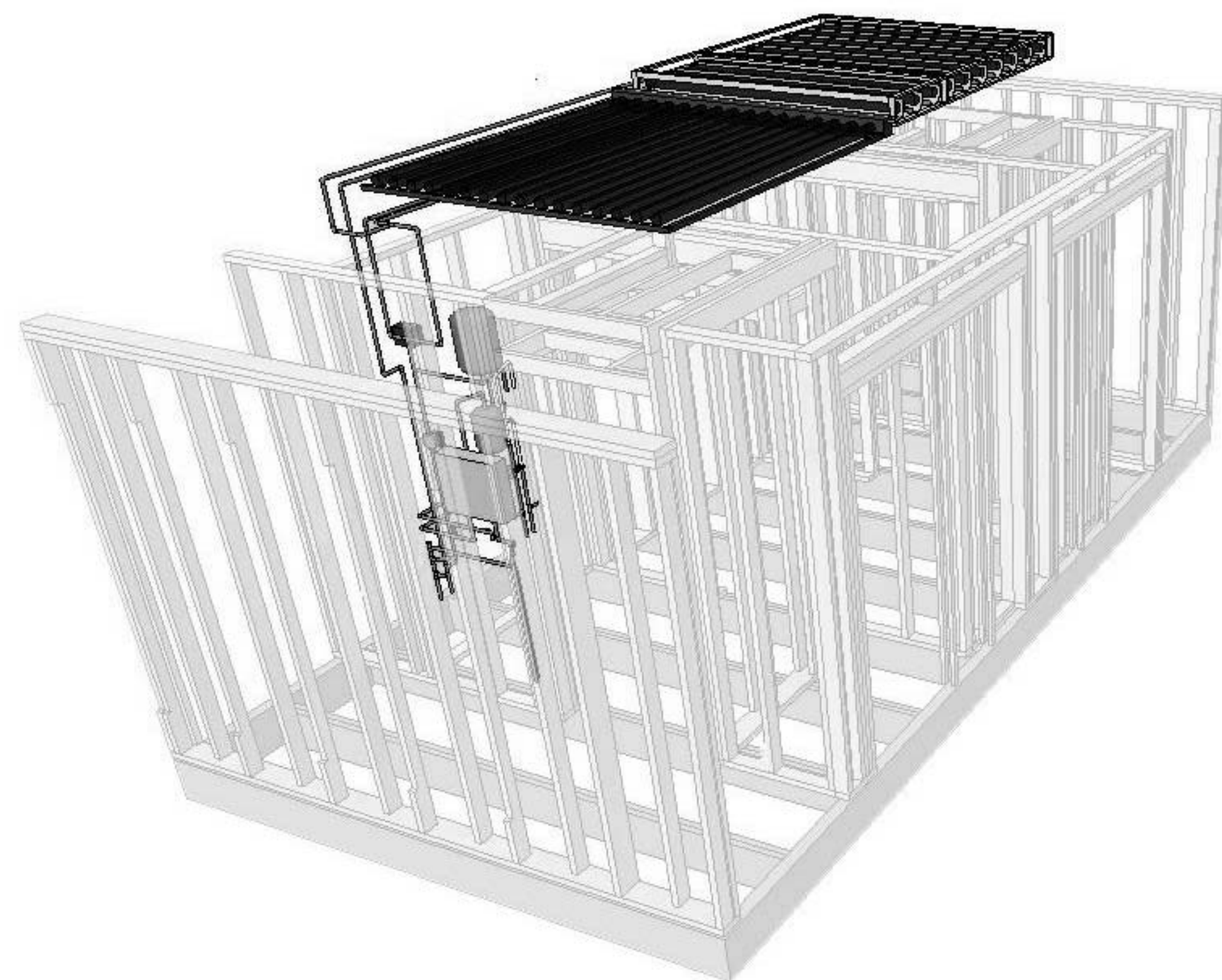
SHEET NUMBER:

P-605

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E1 SOLAR THERMAL ISOMETRIC 2
NTS



A1 SOLAR THERMAL ISOMETRIC 1
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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
ROOF DRAIN ISOMETRICS

SHEET NUMBER:

P-606

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G

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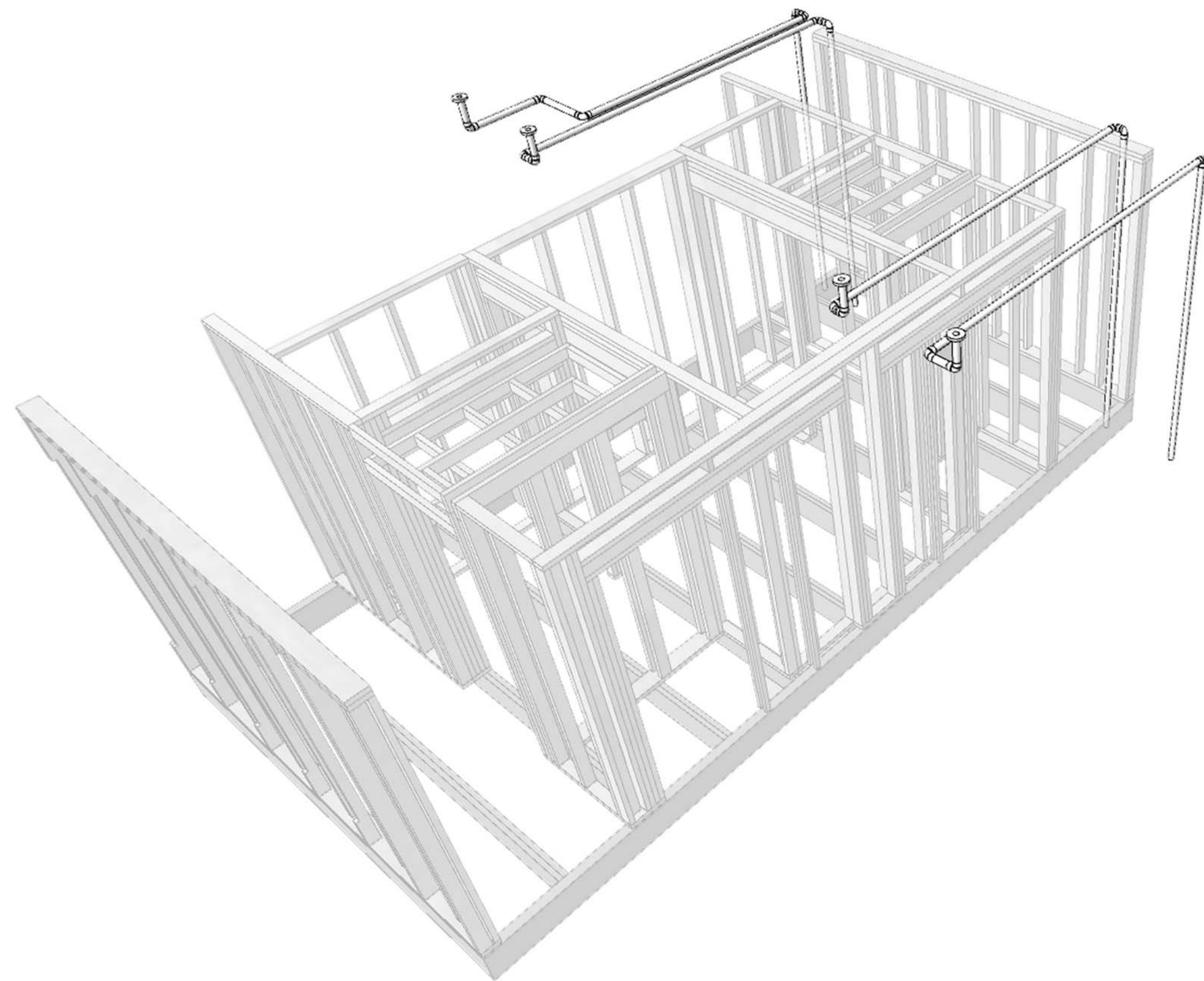
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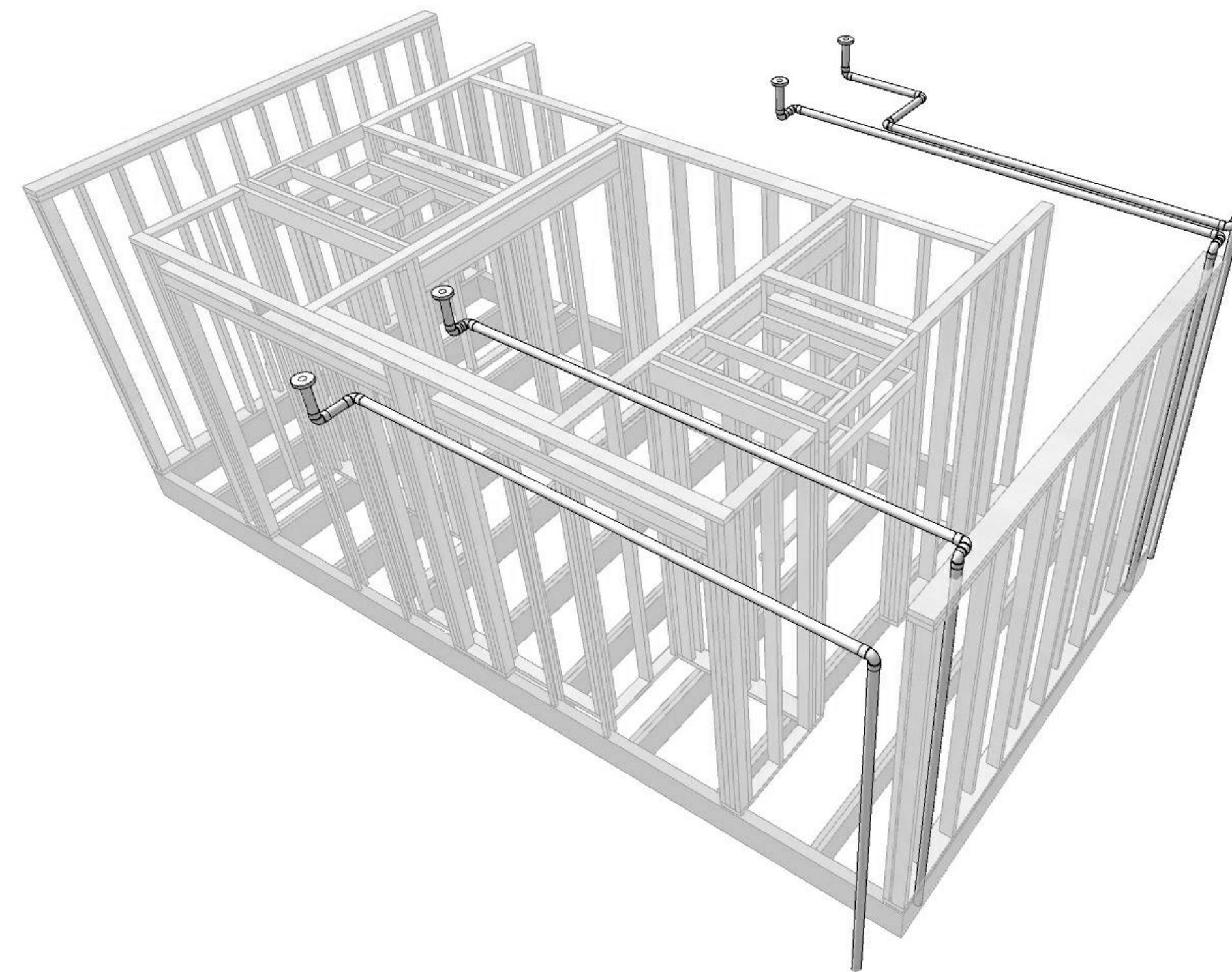
C

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A1 HOUSE ROOF DRAIN ISOMETRIC 1
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A6 HOUSE ROOF DRAIN ISOMETRIC 2
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CHECKED BY: JR, KL, CE
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SHEET TITLE:
GENERAL NOTES AND
SCHEDULES

SHEET NUMBER:

M-001

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK (HVAC, PLUMBING, AND FIRE PROTECTIONS) ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTED MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS.
2. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DRAWINGS. FIXED WORK SUCH AS DUCTWORK AND PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUIT, SMALL WATER PIPING, FIRE PROTECTION, ETC.
3. LOCATE ALL TEMPERATURE, PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER FOR GOOD ACCURACY.
4. MECHANICAL EQUIPMENT:
 - A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, APPLICABLE CODES AND REGULATIONS.
 - B. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS.
 - C. PROVIDE DUCT AND PIPE TRANSITIONS REQUIRED AT EQUIPMENT CONNECTIONS.
 - D. COORDINATE CONNECTIONS WITH OWNER SUPPLIED EQUIPMENT.
 - E. LOCATE ALL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT PANELS, CONTROLS AND VALVING.
5. DUCTWORK:
 - A. INSTALL DUCTWORK OVERHEAD, TIGHT TO STRUCTURE WITH SPACE FOR INSULATION, U.N.O.
 - B. CLEAR DOORS AND WINDOWS
 - C. DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
 - D. INCREASE DUCT SIZE TO COMPENSATE FOR DUCT LINING THICKNESS. PROVIDE ALL 90 SQUARE ELBOWS WITH TURNING VANES.
 - E. DRAWINGS DO NOT SHOW ALL VERTICAL ELEVATION CHANGES OF DUCTS REQUIRED TO AVOID STRUCTURAL AND OTHER INTERFERENCES. VERTICAL ELEVATION CHANGES ARE TO BE MADE WITHOUT CHANGES TO CROSS SECTIONAL AREAS AND WITH MAXIMUM ANGLES OF 30°.
 - F. FABRICATE DUCTWORK FITTINGS IN SHOP OR FACTORY.
 - G. DRAWINGS DO NOT SHOW ALL VERTICAL ELEVATION CHANGES OF DUCTS REQUIRED TO AVOID STRUCTURAL AND OTHER INTERFERENCES. VERTICAL ELEVATION CHANGES ARE TO BE MADE WITHOUT CHANGES TO CROSS SECTIONAL AREAS AND WITH MAXIMUM ANGLES OF 40°.
 - H. LOCATE REDUCERS DOWNSTREAM OF AIRFLOW DIVERGENCE AND UPSTREAM OF AIRFLOW CONVERGENCE.
6. FLEXIBLE DUCTWORK:
 - A. DO NOT INSTALL THROUGH FIRE AND/OR SMOKE RATED WALLS AND FLOORS.
 - B. DO NOT INSTALL IN NEGATIVE PRESSURE SYSTEMS.
 - C. MAXIMUM LENGTHS NOT TO EXCEED 4'-0"
 - D. SUPPORT FLEXIBLE DUCTWORK WITH MINIMUM 1" WIDE BAND HANGERS. MAXIMUM SAG NOT TO EXCEED 1/2" PER FOOT OF LENGTH.
 - E. DO NOT USE FLEXIBLE DUCTWORK TO MAKE DIRECTIONAL CHANGES WHERE THE RADIUS IS LESS THAN TWICE THE SIZE OF THE FLEXIBLE DUCT'S DIAMETER.
7. PIPING:
 - A. INSTALL WITHOUT FORCING OR SPRINGING.
 - B. CLEAR DOORS AND WINDOWS
 - C. PROVIDE LONG RADIUS ELBOWS.
 - D. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
8. PIPING:
 - A. INSTALL WITHOUT FORCING OR SPRINGING.
 - B. CLEAR DOORS AND WINDOWS.
 - C. PROVIDE LONG RADIUS ELBOWS.
 - D. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
9. VALVES:
 - A. PROVIDE LINE SIZE VALVES AND SPECIALTIES.
 - B. INSTALL SO THAT THE VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING DOWNSTREAM OF VALVE IS REMOVED.
 - C. PERMANENTLY MARK ALL FINAL SETTINGS ON BALANCING VALVES.
 - D. LOCATE PIPE TRANSITIONS AT EQUIPMENT CONNECTIONS DOWNSTREAM OF VALVES AND STRAINERS. REFER TO PART A, THIS NOTE.
10. INSULATION:
 - A. ALL TEST SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
 - B. RUN ALL PIPING AND DUCTWORK INSULATION CONTINUOUSLY THROUGH FLOORS AND PARTITIONS, UNLESS NOTED OR SHOWN OTHERWISE
11. WALL, FLOOR, ROOF AND BEAM PENETRATIONS FOR EQUIPMENT, DUCTWORK, PIPING AND CONDUIT:
 - A. COORDINATE SIZE AND LOCATION WITH ALL OTHER TRADES INVOLVED.
 - B. COORDINATE PENETRATIONS THROUGH BEAMS PRIOR TO BEAM FABRICATION.
 - C. FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES IN ACCORDANCE WITH U.L. REQUIREMENTS.
 - D. WEATHERPROOF ALL PENETRATIONS TO EXTERIOR.
 - E. COORDINATE LINTEL REQUIREMENTS.
12. SUPPORTS:
 - A. SUPPORT ALL DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURAL MEMBERS.
 - B. DO NOT SUPPORT ANY MECHANICAL ITEM FROM CEILING SUSPENSION SYSTEM.
 - C. PROVIDE ADDITIONAL SUPPORTS ON BOTH SIDES AND WITHIN 18" OF FIRE RATED WALLS. DUCTWORK OR PIPING SHALL NOT BE SUPPORTED FROM ANY FIRE RATED WALL.
 - D. PROVIDE ADDITIONAL SUPPORTS OR HANGERS ADJACENT TO ELBOWS AND AT DROPS TO PREVENT WEIGHT OF PIPING BEING PLACED ON THE EQUIPMENT OR FLEXIBLE JOINTS.
13. DIFFUSERS, REGISTERS AND GRILLS:
 - A. COORDINATE DIFFUSER, REGISTER, AND GRILL LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING, AND OTHER CEILING ITEMS AND MAKE DUCT MODIFICATIONS TO SUIT.
 - B. LOCATE CEILING DIFFUSERS A MINIMUM OF 3' AWAY FROM CEILING MOUNTED SMOKE DETECTORS.
 - C. PAINT WITH FLAT BLACK PAINT ALL INTERIOR COMPONENTS VISIBLE BEHIND THE FINISHED SPACE OF AIR DEVICES.
14. EXTERIOR LOUVERS:
 - A. INDICATED FOR INFORMATION ONLY.
 - B. DETAIL DESCRIPTIONS SHOWN ON ARCHITECTURAL DOCUMENTS.
 - C. COORDINATE SIZES, LOCATIONS, AND DETAILS WITH OTHER TRADES.
15. WALL MOUNTED THERMOSTATS AND SENSORS:
 - A. INSTALL TOP OF THERMOSTAT 4" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
 - B. ENCLOSED CONTROL WIRING LOCATED WITHIN WALLS AND CONDUIT.
 - C. COORDINATE THERMOSTAT LOCATIONS WITH OTHER TRADES.
16. DRAIN LINES:
 - A. ROUTE TO AVOID INTERFERENCE WITH PASSAGEWAYS AND MAINTENANCE.
 - B. AVOID CREATING TRIPPING HAZARDS.
17. PROVIDE ACCESS PANELS IN WALLS AND CEILINGS FOR MECHANICAL EQUIPMENT AND DEVICES REQUIRING ACCESS FOR MAINTENANCE, ADJUSTING OR READING WHERE FINISHED CONDITIONS DO NOT OTHERWISE PROVIDE ACCESS.
18. PROVIDE FLEXIBLE CONNECTORS IN ENGINEERING SYSTEMS CROSSING BUILDING EXPANSION JOINTS.
19. ALL DUCT INSULATION SHALL BE EXTERNAL. SEE SPECIFICATIONS FOR INSTALLATION INFORMATION.

MECHANICAL SHEET LIST	
SHEET NO	SHEET NAME
M-001	GENERAL NOTES AND SCHEDULES
M-101	HVAC EQUIPMENT PLAN
M-102	HVAC DISTRIBUTION PLAN
M-301	HVAC COMPARTMENT SECTIONS
M-401	ENLARGED HVAC PLANS
M-501	TROMBE WALL FIN DETAILS
M-601	DUCTWORK ISOMETRIC & SCHEDULE

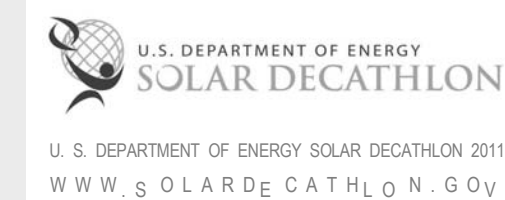


THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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LOT #: 205 | APPST
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
HVAC EQUIPMENT PLAN

SHEET NUMBER:

M-101

GENERAL SHEET NOTES

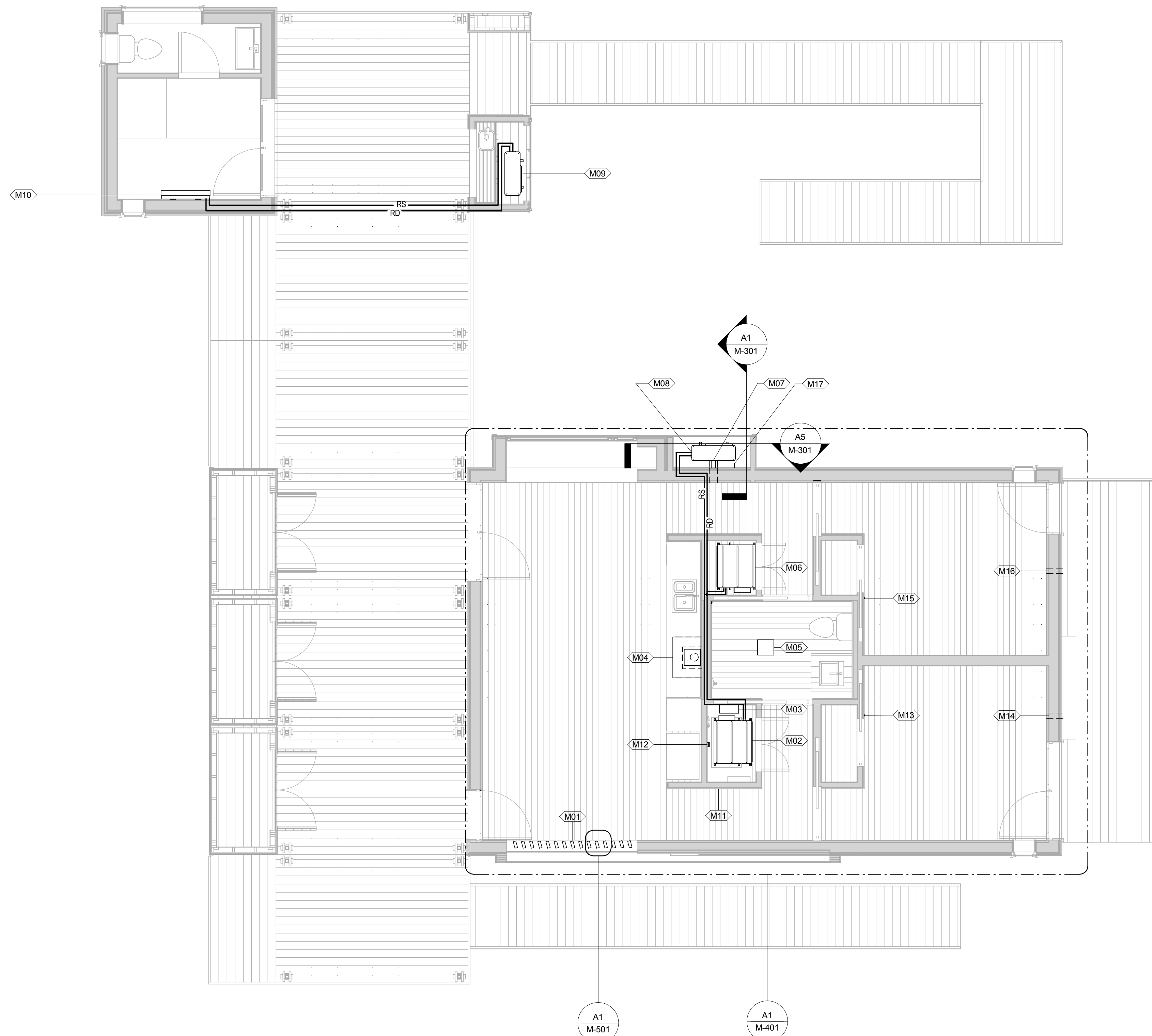
- FOUR TEMPERATURE AND HUMIDITY SENSORS SHALL BE INSTALLED IN ENTRY.
- ETHERNET CONNECTION SHALL BE PROVIDED FOR COMPETITION DATA LOGGING.
- SEE E-108 FOR TELECOMMUNICATIONS DETAILS.

HVAC EQUIPMENT PLAN LEGEND

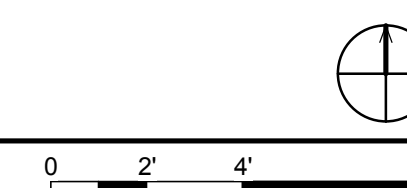
- RS — REFRIGERANT SUPPLY LINE
- RD — REFRIGERANT RETURN LINE

REFERENCE KEYNOTES

SHEET KEYNOTES



A1 HVAC PLAN
1/4" = 1'-0"



01 02 03 04 05 06 07 08 09 10

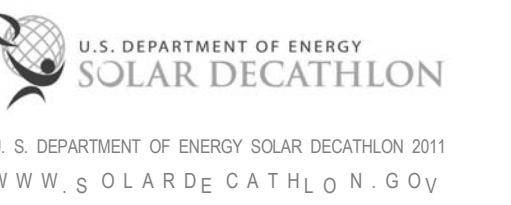


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SHEET TITLE:
HVAC DISTRIBUTION PLAN

SHEET NUMBER:

M-102

GENERAL SHEET NOTES

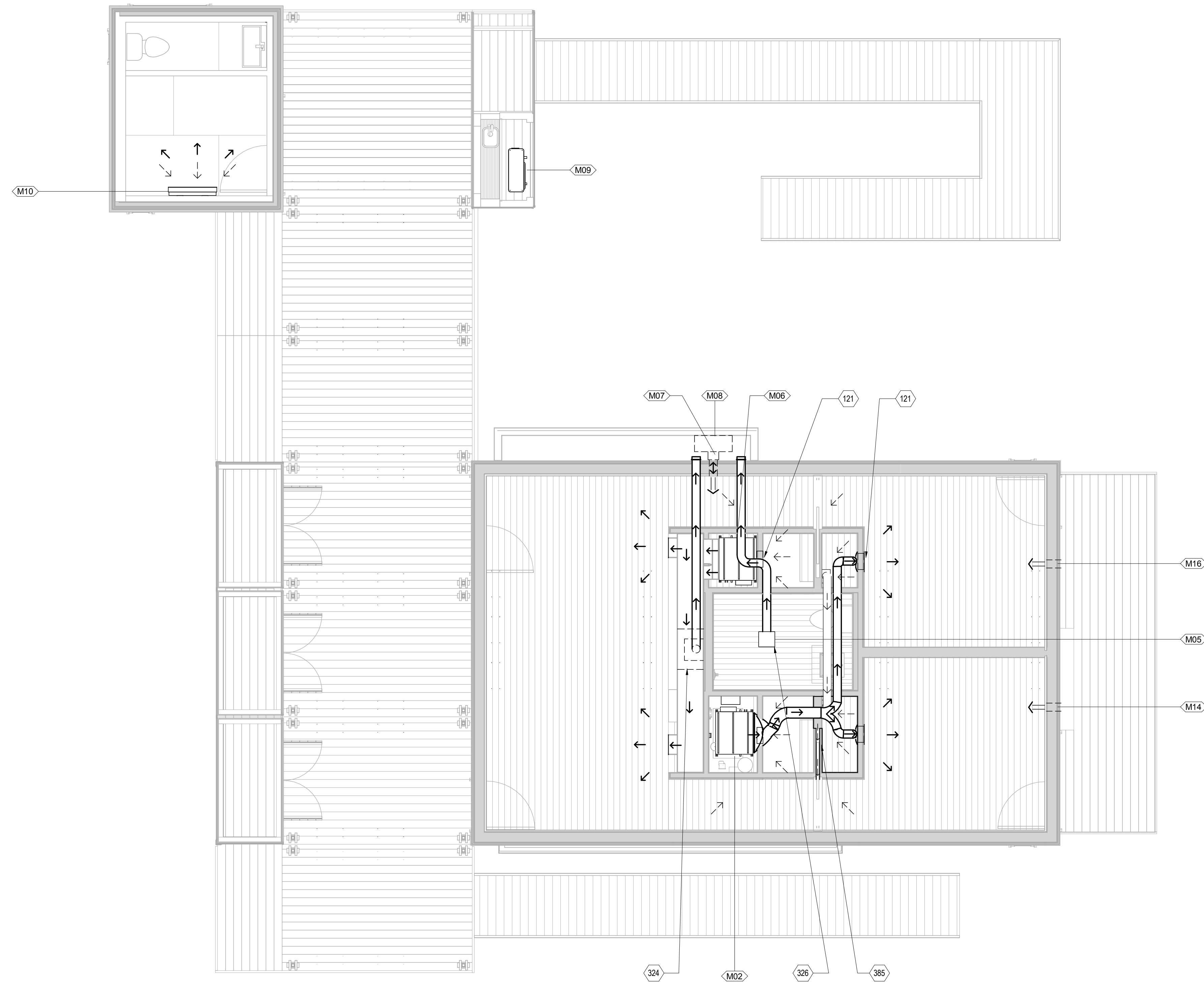
HVAC DISTRIBUTION PLAN LEGEND

- ↑ SUPPLY AIR FLOW
- ↕ RETURN AIR FLOW
- ↕↕↕ MULTI DIRECTIONAL AIR FLOW
- ↑↑ AIR INTAKE

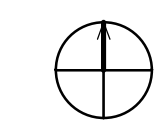
REFERENCE KEYNOTES

SHEET KEYNOTES

- 121 CUT OUT HOLES IN DOORS FOR AIR RETURNS
- 324 HOOD BELOW FOR KITCHEN AND WHOLE HOUSE VENTILATION
- 326 BATH FAN FOR KITCHEN AND WHOLE HOUSE VENTILATION
- 385 POCKET DOOR CAVITY TO BE USED FOR RETURN VENTILATION



A1 HVAC DISTRIBUTION PLAN
1/4" = 1'-0"





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MARK - DATE - DESCRIPTION

SHEET TITLE:
HVAC COMPARTMENT SECTIONS

SHEET NUMBER:

M-301

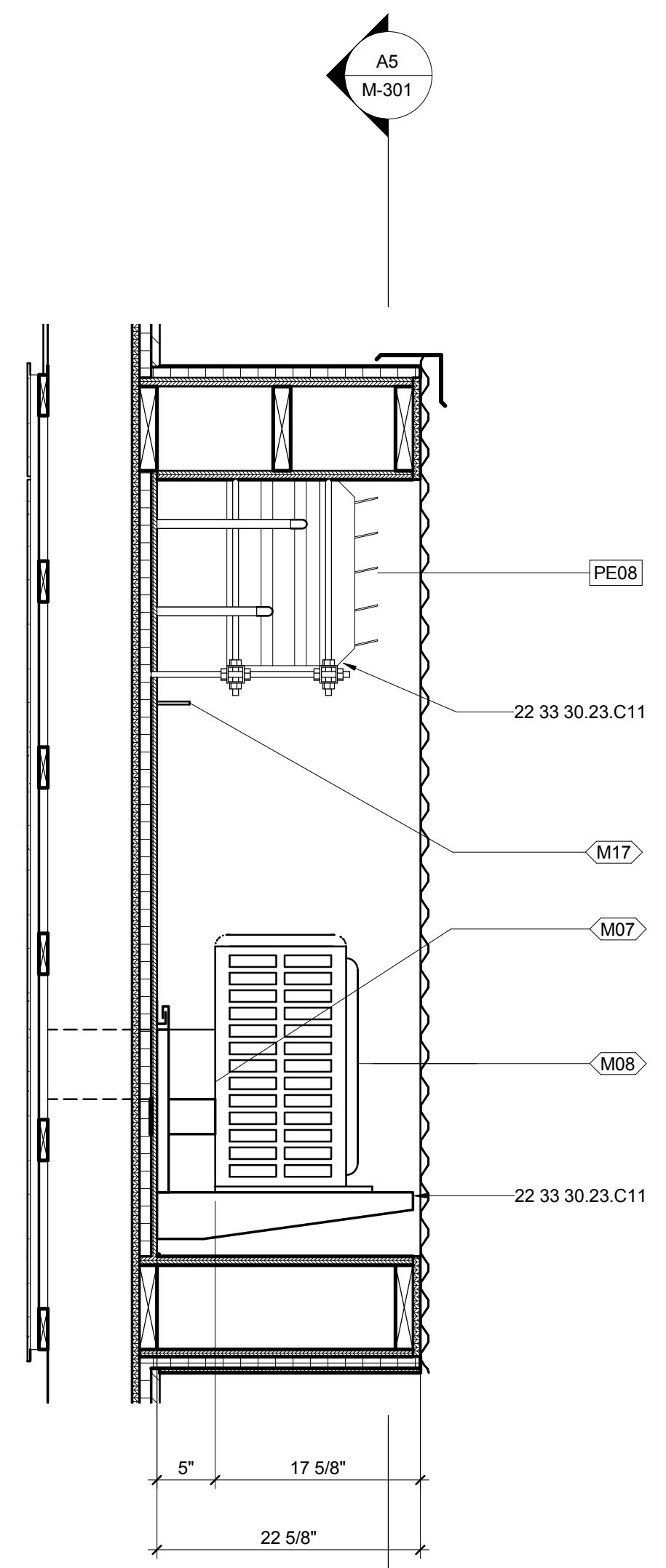
GENERAL SHEET NOTES

REFERENCE KEYNOTES

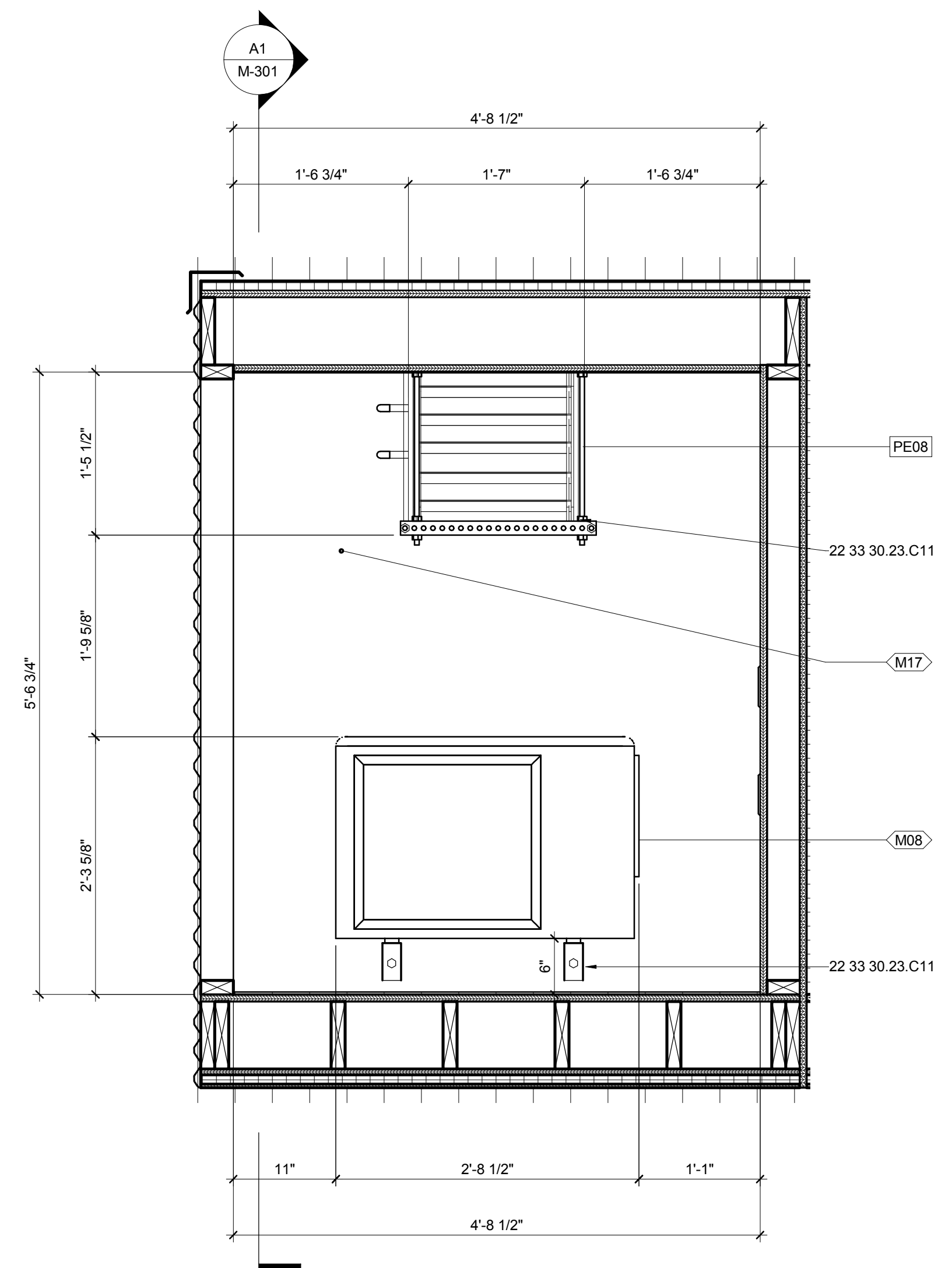
22 33 30.23.C11 HEAT DUMP MOUNTING SYSTEM

SHEET KEYNOTES

G
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(A1) HVAC COMPARTMENT TRANSVERSE SECTION
1" = 1'-0"
0 1/2' 1' 2'



(A5) HVAC COMPARTMENT LONGITUDNAL SECTION
1" = 1'-0"
0 1/2' 1' 2'

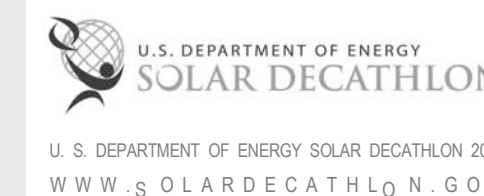


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APPALACHIAN STATE UNIVERSITY

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MARK - DATE - DESCRIPTION

SHEET TITLE:
ENLARGED HVAC PLANS

SHEET NUMBER:

M-401

GENERAL SHEET NOTES

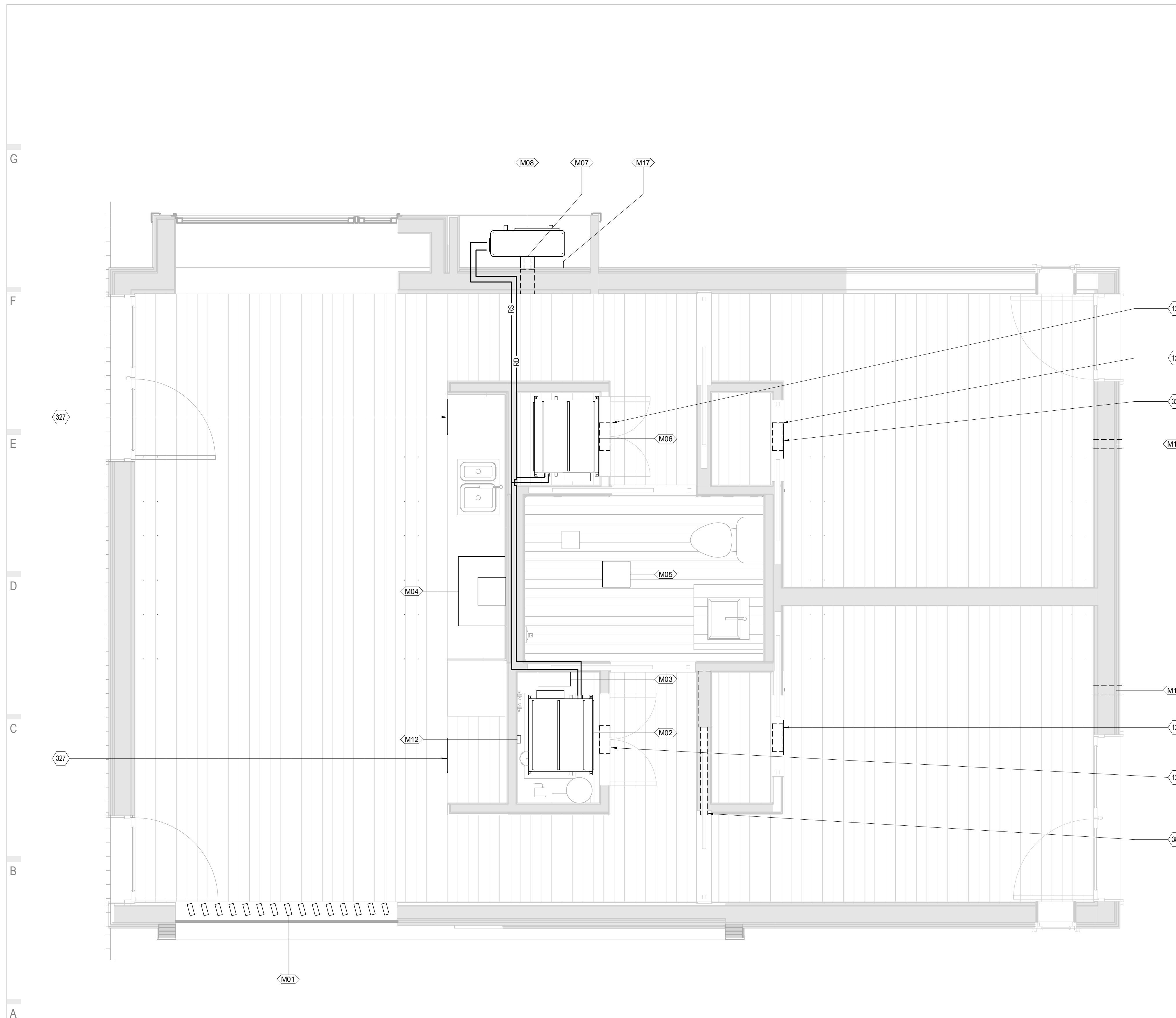
HVAC EQUIPMENT PLAN LEGEND

- RS — REFRIGERANT SUPPLY LINE
- RD — REFRIGERANT RETURN LINE

REFERENCE KEYNOTES

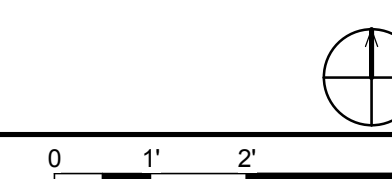
SHEET KEYNOTES

- 108 1 3/4" X 12" HVAC SUPPLY
- 121 CUT OUT HOLES IN DOORS FOR AIR RETURNS
- 327 LIVING/DINING REGISTERS LOCATED IN SOFFIT
- 328 BEDROOM REGISTERS LOCATED ABOVE CLOSET DOOR
- 385 POCKET DOOR CAVITY TO BE USED FOR RETURN VENTILATION



(A1) HOUSE ENLARGED HVAC PLAN

1/2" = 1'-0"



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MARK - DATE - DESCRIPTION

SHEET TITLE:
TROMBE WALL FIN DETAILS

SHEET NUMBER:

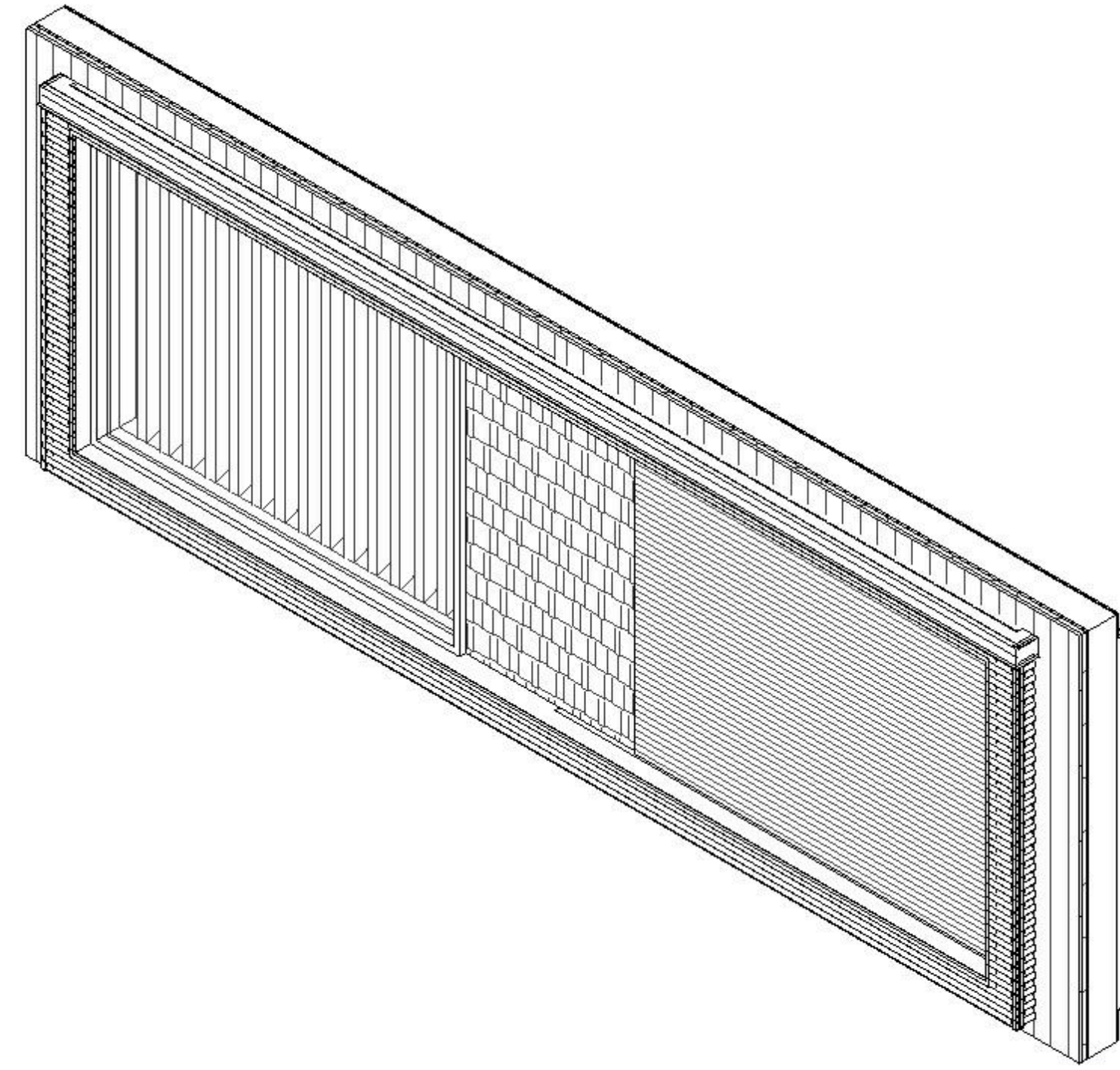
M-501

GENERAL SHEET NOTES

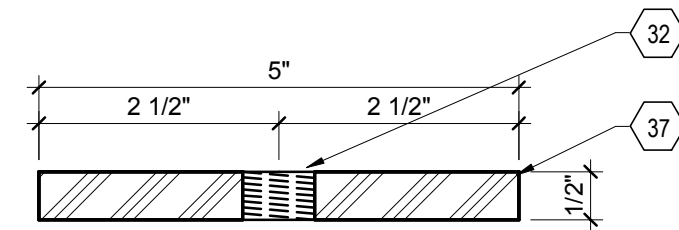
REFERENCE KEYNOTES

SHEET KEYNOTES

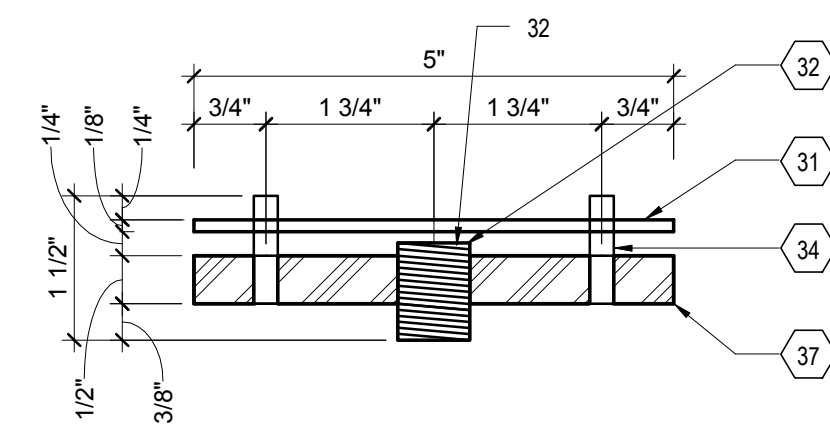
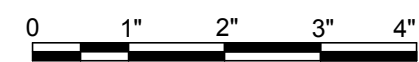
- 31 ADJUSTING BAR
- 32 THREADED PIVOT ROD
- 34 ATTACHMENT SCREWS
- 37 ALUMINUM CAP
- 89 PHASE CHANGE MATERIAL



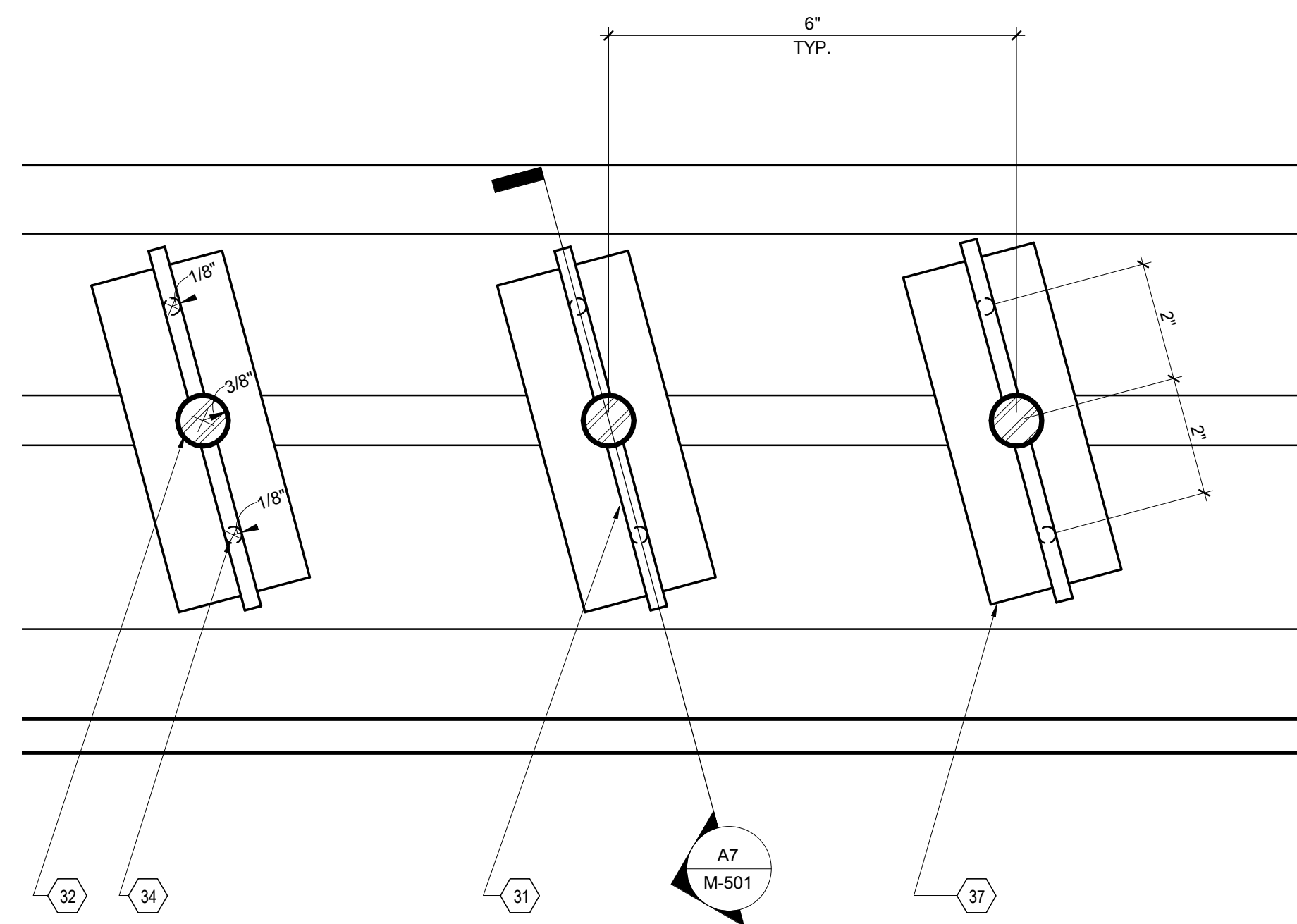
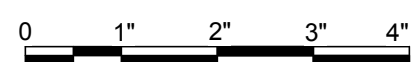
E1 TROMBE WALL ISOMETRIC
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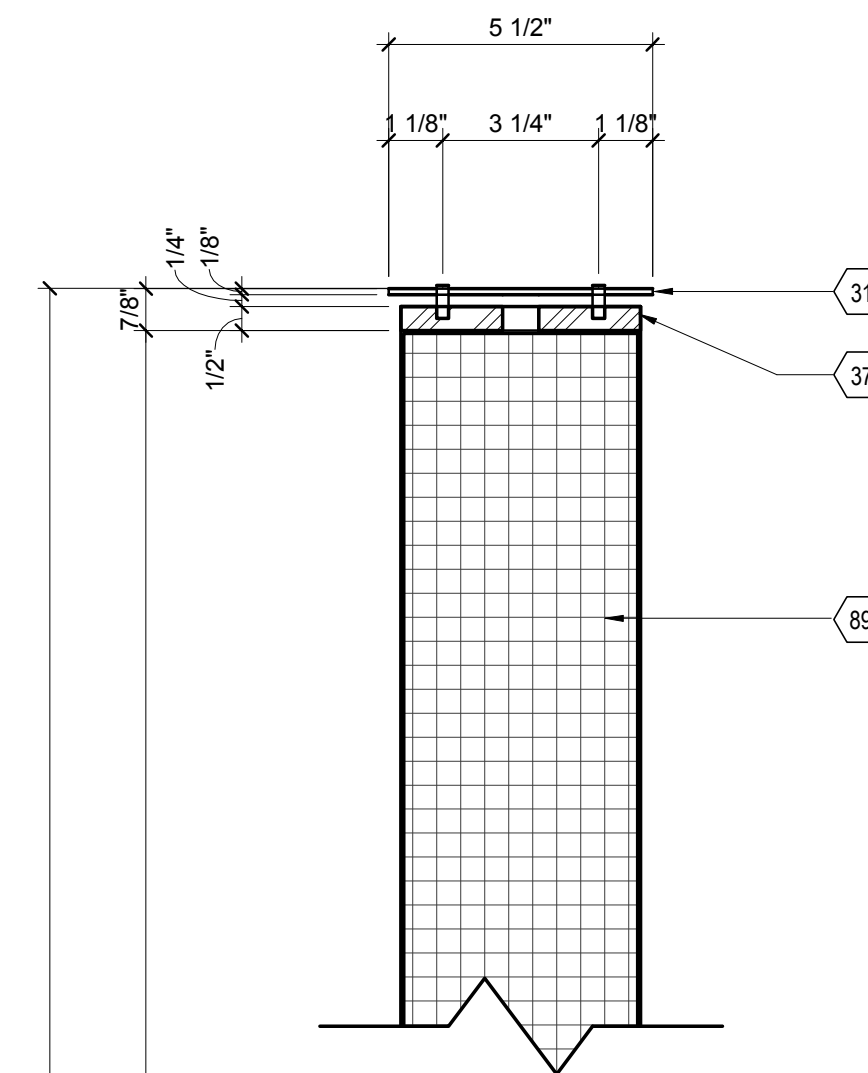
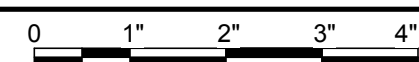
D1 TROMBE FIN BOTTOM PLATE SECTION
6" = 1'-0"



D4 TROMBE FIN CAP SECTION
6" = 1'-0"

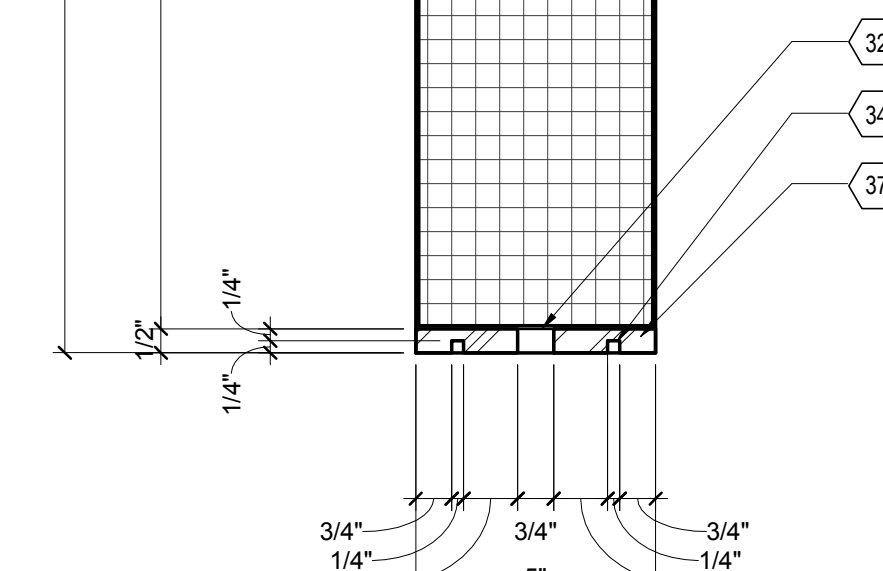


A1 TOP OF TROMBE FIN DETAILS
6" = 1'-0"

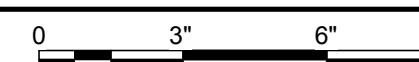


5'-11"

5'-9.58"



A7 TROMBE FIN SECTION
3" = 1'-0"



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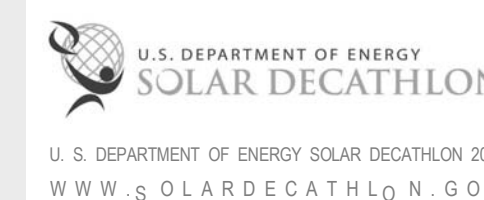


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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MARK - DATE - DESCRIPTION

SHEET TITLE:
DUCTWORK ISOMETRIC &
SCHEDULE

SHEET NUMBER:

M-601

MECHANICAL EQUIPMENT SCHEDULE						
MARK	DESCRIPTION	MANUFACTURER	MODEL	LOCATION	REFERENCE NUMBER	COMMENTS
M01	TROMBE WALL	ASU	CUSTOM	LIVING/ DINING ROOM	23 71 00.A1	MANUALLY ADJUSTABLE
M02	BEDROOM AIR HANDLER	DAIKIN	SEZ-2B20N4	MECHANICAL CLOSET	23 81 43.A2	CONTROLLED BY PROGRAMMABLE LOGIC CONTROL
M03	PROGRAMMABLE LOGIC CONTROL	AUTOMATION DIRECT	VARIOUS	MECHANICAL CLOSET	25 13 00	TO CONTROL HOUSE MECHANICAL EQUIPMENT
M04	HOOD FAN	BOSCH	DKE9605PUC	KITCHEN	11 31 13.A4	CONTROLLED MANUALLY AND BY PROGRAMMABLE LOGIC CONTROL
M05	BATH FAN	BORAN	QTXE110S	HOUSE BATHROOM	23 34 00	CONTROLLED MANUALLY AND BY PROGRAMMABLE LOGIC CONTROL
M06	LIVING/ DINNING AIR HANDELER	DAIKIN	SEZ-2B20N4	LAUNDRY ROOM	23 81 43.A2	CONTROLLED BY PROGRAMMABLE LOGIC CONTROL
M07	CONTROLLABLE DAMPER	BELMLO	TF24 US	HVAC COMPARTMENT	25 35 23	CONTROLLED BY PROGRAMMABLE LOGIC CONTROL
M08	HOUSE HEAT PUMP	DAIKIN	MXZ-2B20NA	HVAC COMPARTMENT	23 81 43.A1	CONTROLLED BY PROGRAMMABLE LOGIC CONTROL
M09	FLEX HEAT PUMP	LG	LAN095HV	OUTDOOR KITCHEN MECHANICAL CLOSET	23 81 43.B2	
M10	FLEX AIR HANDELER	LG	LAU095HV	FLEX SPACE	23 81 43.A1	
M11	HALL SENSOR	VAISALA	HMP60	SOUTH HALL	23 81 43	SENSOR FOR PROGRAMMABLE LOGIC CONTROL
M12	CO2 SENSOR	DIGITAL CONTROL SYSTEMS	310E	MECHANICAL CLOSET	23 09 13.23.C1	SENSOR FOR PROGRAMMABLE LOGIC CONTROL
M13	SOUTH BEDROOM SENSOR	BUILDING AUTOMATION PRODUCTS	BAS10K-2-NP-15	SOUTH BEDROOM	23 81 43	SENSOR FOR PROGRAMMABLE LOGIC CONTROL
M14	SOUTH BEDROOM PASSIVE INLET	PANASONIC	FB-GKF32S1	SOUTH BEDROOM	23 37 00	ACTIVATED BY NEGATIVE AIR PRESSURE
M15	NORTH BEDROOM SENSOR	BUILDING AUTOMATION PRODUCTS	BAS10K-2-NP-15	NORTH BEDROOM	23 81 43	SENSOR FOR PROGRAMMABLE LOGIC CONTROL
M16	NORTH BEDROOM PASSIVE INLET	PANASONIC	FB-GKF32S1	NORTH BEDROOM	23 37 00	ACTIVATED BY NEGATIVE AIR PRESSURE
M17	HUMIDITY PROBE	VAISALA	HMP60L-15-PT	HVAC COMPARTMENT	23 81 43	SENSOR FOR PROGRAMMABLE LOGIC CONTROL
M18	LIVING/ DINNING AIR HANDELER	DAIKIN	SEZ-2B20N4	LAUNDRY ROOM	23 81 43.A2	CONTROLLED BY PROGRAMMABLE LOGIC CONTROL
M19	BEDROOM AIR HANDLER	DAIKIN	SEZ-2B20N4	MECHANICAL CLOSET	23 81 43.A2	CONTROLLED BY PROGRAMMABLE LOGIC CONTROL
M21	HOUSE HEAT PUMP	DAIKIN	MXZ-2B20NA	HVAC COMPARTMENT	23 81 43.A1	CONTROLLED BY PROGRAMMABLE LOGIC CONTROL
M22	FLEX HEAT PUMP	LG	LAN095HV	OUTDOOR KITCHEN MECHANICAL CLOSET	23 81 43.B2	

G

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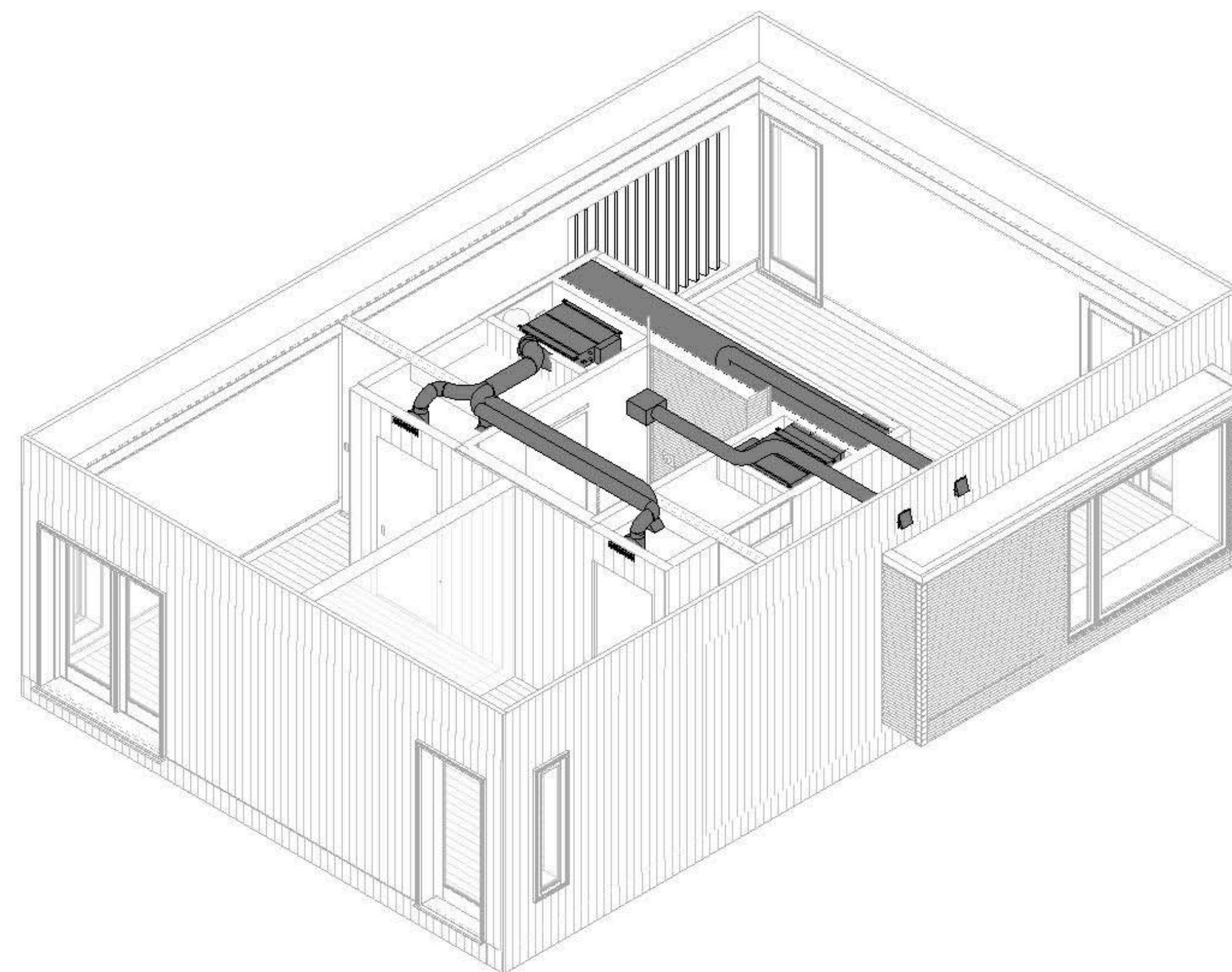
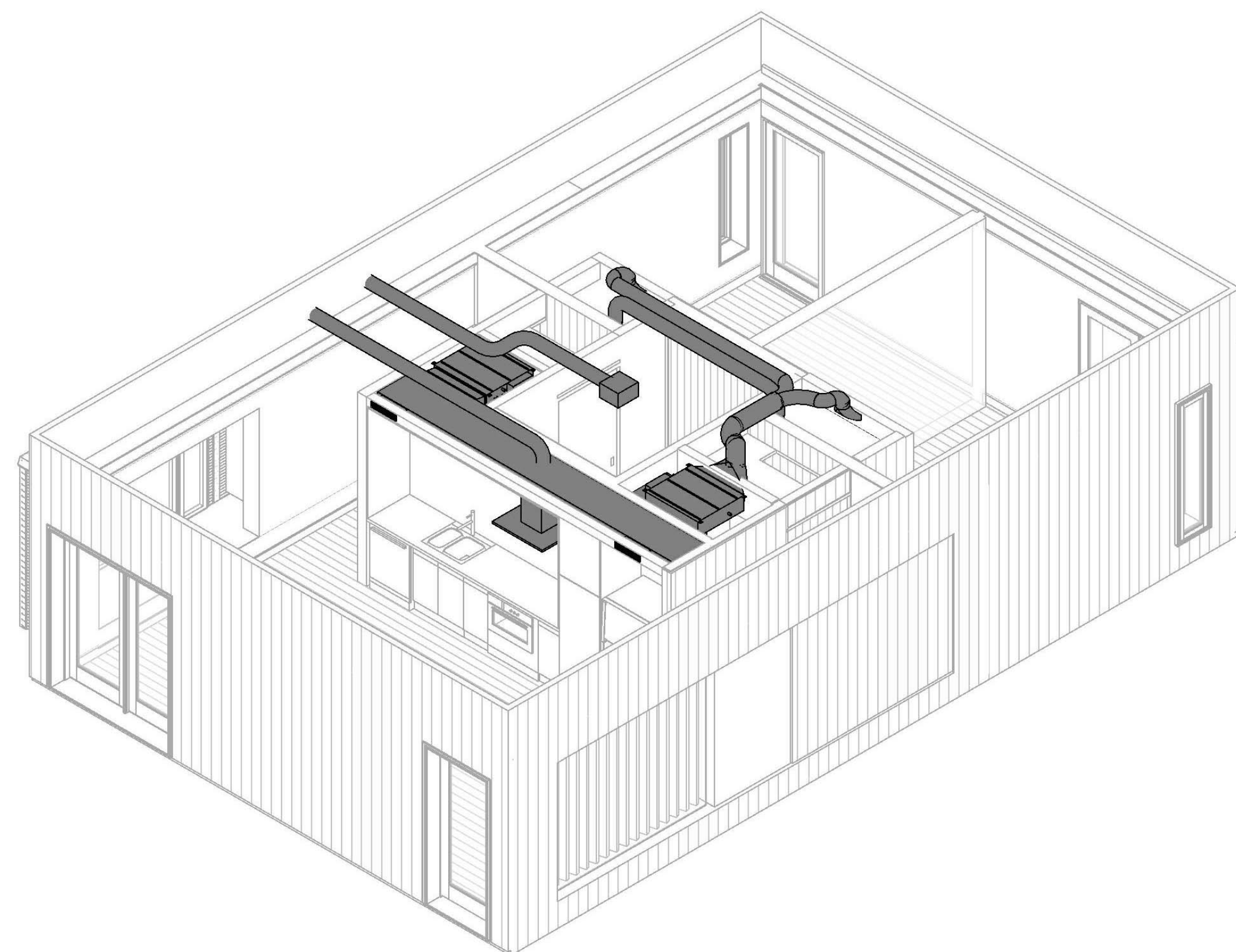
E

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A1 DUCTWORK ISOMETRIC 1
NTS

A6 DUCTWORK ISOMETRIC 2
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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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MARK - DATE - DESCRIPTION

SHEET TITLE:
NOTES AND SYMBOLS

SHEET NUMBER:

E-001

ELECTRICAL SHEET LIST

SHEET NO	SHEET NAME
E-001	NOTES AND SYMBOLS
E-101	MICROGRID INTERCONNECTION PLAN
E-102	ELECTRICAL COMPONENT PLAN
E-103	RECEPTACLE PLAN
E-104	LIGHTING PLAN
E-105	EXTERIOR LIGHTING PLAN
E-106	PV ARRAY PLAN
E-107	PV CONDUIT PLAN
E-108	TELECOMMUNICATIONS PLAN
E-301	PV INVERTER SECTIONS
E-302	ELECTRICAL CLOSET SECTION
E-401	ENLARGED FLEX ELECTRICAL PLAN
E-601	PV DESIGN CHOICE SUMMARY
E-602	ONE LINE DIAGRAM
E-603	PV THREE LINE DIAGRAM & SCHEDULE
E-604	PANELBOARD SCHEDULE
E-605	RELATED SCHEDULES

RECEPTACLE & SWITCH LEGEND

	SINGLE POLE SWITCH X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	THREE WAY SWITCH X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	DIMMER SWITCH X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	GFI RECEPTACLE X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	EXTERIOR RATED RECEPTACLE UL WET LISTED X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	DUPLEX RECEPTACLE X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	SWITCHED RECEPTACLE X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	DEDICATED RECEPTACLE X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604

LIGHTING LEGEND

	L1 24" LIN. FL. STRIP X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	L2 24" LIN. FL. STRIP X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	L3 18" LIN. FL. STRIP X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	L4 18" LIN. FL. STRIP X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	L5 48" LIN. FL. STRIP X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	L7 LED FLEX LIGHT STRIP X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	D1 LED PUCK LIGHT X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604

OUTDOOR LIGHTING LEGEND

	FLOODLIGHT X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	UL LISTED PUCK X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604
	LIGHT BARS X# ← POLE (CIRCUIT) ↑ PANEL ID - SEE SCHEDULE ON SHEET E-604

GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL CODES, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
- DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND OUTLETS, LOCATIONS OF SWITCHES, PANELBOARDS, CONDUIT AND OTHER WORK.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND SHALL BE LISTED BY THE UNDERWRITER LABORATORIES, INC. (UL). DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TESTING SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING THE APPROVAL OF THE ARCHITECT AND ENGINEER. WHERE APPLICABLE, ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH NEMA STANDARDS.

WIRING METHODS

- ALL CONDUCTORS SHALL BE COPPER, CONFORMING TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. STRANDED FOR NO. 8 AWG AND LARGER, SOLID FOR NO. 10 AWG AND SMALLER.
- MINIMUM SIZE CONDUCTOR SHALL BE NO. 14 AWG.
- ALL CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- GROUNDING OF THE ENTIRE ELECTRICAL SYSTEM SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND AS INDICATED IN DRAWINGS.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH.
- ALL CONDUIT AND WIRING SHALL BE CONCEALED IN CEILINGS AND/OR WALLS UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE ACCESS PANELS WHERE REQUIRED FOR PROPER ACCESS TO JUNCTION BOXES, PULL BOXES, TAP BOXES, ETC. ACCESS PANELS ARE ALLOWED, ONLY AS APPROVED BY THE ARCHITECT.
- DERATE CONDUCTORS PER NATIONAL ELECTRICAL CODE.

WIRING DEVICES

- ALL WIRING DEVICES SHALL BE PROVIDED AS LOCATED IN THE ARCHITECTURAL PLANS AND AS IDENTIFIED IN THE SYMBOL LIST.
- ALL OUTLET BOXES SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE THE WIRING DEVICES AND/OR WIRING TO BE INSTALLED.
- OUTLET BOXES FOR WIRING DEVICES IN FINISHED WALLS SHALL BE ONE PIECE STANDARD GANG TYPE OF SIZE TO ACCOMMODATE NUMBER OF DEVICES NOTED. BOXES SHALL HAVE PLASTIC COVERS TO BRING BOX OPENING FLUSH WITH FINISHED WALL OR NOT MORE THAN 1/4 INCH IN BACK OF SAME.
- WIRING DEVICES OF THE SAME OR SIMILAR TYPE SHOWN ADJACENT TO EACH OTHER ON THE DRAWING SHALL BE INSTALLED IN A MULTI-GANGED OUTLET BOX AND UNDER A COMMON COVER PLATE. REFER TO ALL APPLICABLE NOTES.

LIGHTING FIXTURES

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND FIXTURE ARRANGEMENT IN ALL AREAS.
- REFER TO ARCHITECTURAL PLANS FOR LIGHT FIXTURE SPECIFICATION.
- NOTIFY ARCHITECT OF ANY LIGHTING LAYOUT INTERFERENCE WITH STRUCTURAL MEMBERS AND/OR MECHANICAL/SPRINKLER EQUIPMENT TO OBTAIN FINAL APPROVAL PRIOR TO INSTALLATION.



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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LOT #: 205 | APPST
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STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
MICROGRID INTERCONNECTION
PLAN

SHEET NUMBER:

E-101

GENERAL SHEET NOTES

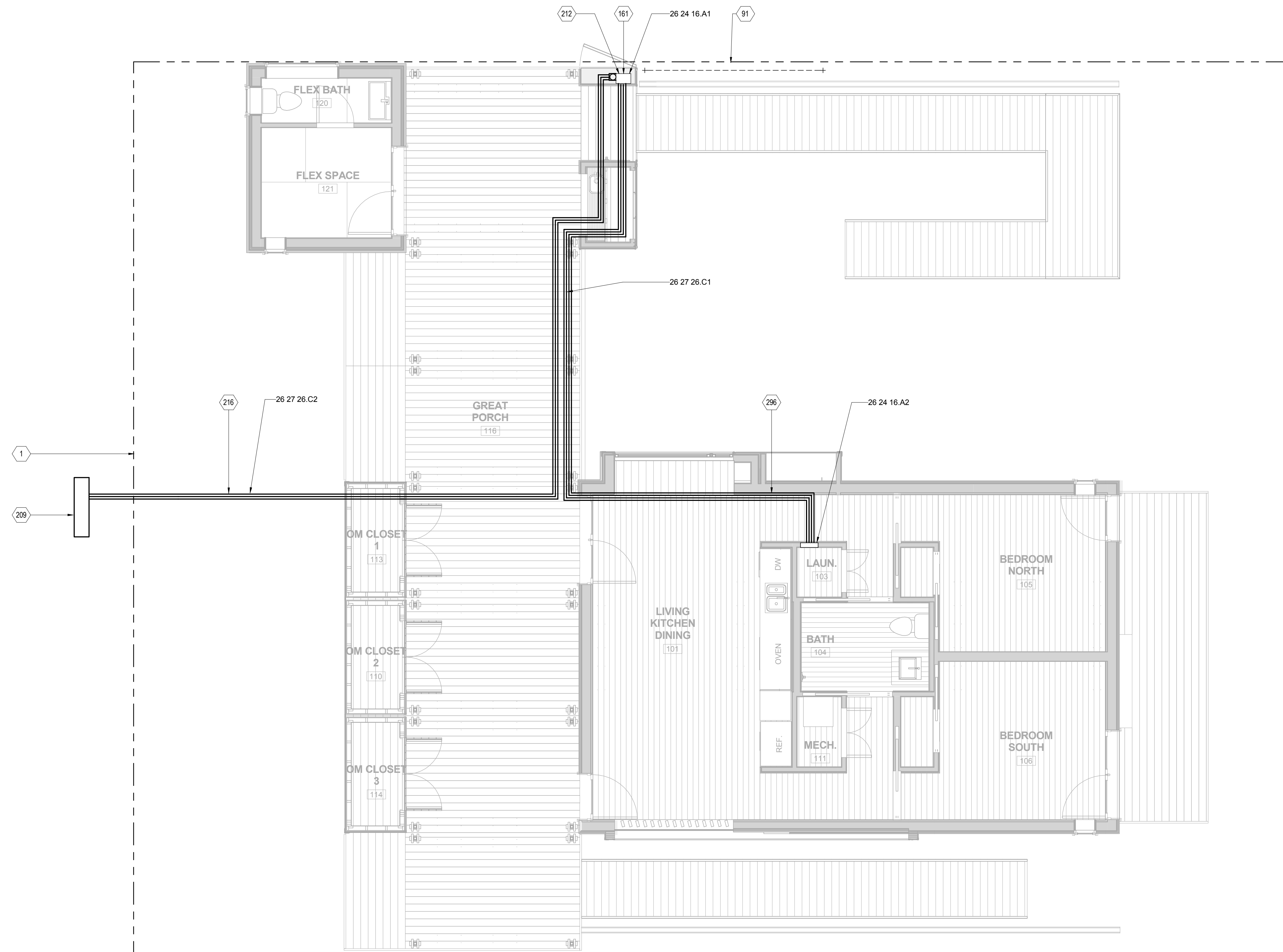
1. THE ORGANIZERS SHALL SUPPLY 150 A, 240/120 V, 60 HZ, SINGLE-PHASE, 3-WIRE SERVICE.
2. EACH TEAM SHALL PROVIDE AND INSTALL THE CABLES (20 COPPER, 40 ALUMINUM OR EQUIVALENT CROSS SECTIONAL AREA) FROM THE TEAM'S MAIN DISCONNECT VIA THE TEAM METER HOUSING TO THE BOTTOM (PLUS 3' ADDITIONAL) OF THE ORGANIZERS' JUNCTION BOX ON THE ORGANIZER UTILITY PANEL NEAR THE TEAM'S PROPERTY LINE.
3. THE CABLES TO AND FROM THE ORGANIZER UTILITY PANEL WILL BE GROUND LAID. ALL TEAMS SHALL BE RESPONSIBLE FOR PROTECTING GROUND-LAID CABLE FROM DAMAGE AND PREVENT A TRIPPING HAZARD.
4. TEAM METER HOUSING SHALL BE LOCATED BETWEEN 50" AND 65" ABOVE GRADE OR ACCESSIBLE WALKING SURFACE TO QUALIFY FOR MICROGRID INTERCONNECTION APPROVAL.
5. ORGANIZERS SHALL SUPPLY AND INSTALL UTILITY METER.
6. TEAM SHALL PROVIDE ORGANIZER ACCESS TO THE TEAM PANELBOARD AND ONE KNOCKOUT TO ALLOW ORGANIZER INSTALLATION OF PV MONITORING SENSORS.
7. ORGANIZER SHALL MAKE FINAL CONNECTION AT ORGANIZER UTILITY PANEL.
8. PANELBOARDS SHALL BE RATED 10,000 AIC MINIMUM.
9. THE SERVICE DISCONNECTING MEANS SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION IN ACCORDANCE WITH NEC 230.70 (A)(1).
10. SERVICE DISCONNECT PANELS ARE LOCATED IN ACCORDANCE WITH NEC 240.24 (A)(B)(C)(D)(E)(F).
11. SWITCHES AND CIRCUIT BREAKERS SHALL BE LOCATED SUCH THAT THEY COMPLY WITH NEC 404.8. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IT IS ITS HIGHEST POSITION, IS NOT MORE THAN 6 FT 7 IN. ABOVE THE FLOOR OR WORKING PLATFORM.

REFERENCE KEYNOTES

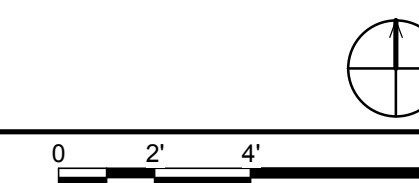
26 24 16.A1	MAIN PANELBOARD
26 24 16.A2	SUB-PANELBOARD
26 27 26.C1	HOUSE POWER CABLE
26 27 26.C2	COMPETITION POWER CABLE

SHEET KEYNOTES

1	PROPERTY LINE
91	ORGANIZER SUPPLIED GROUNDING ROD
161	TEAM-SUPPLIED METER HOUSING
209	ORGANIZER UTILITY PANEL - 150A/240V/60HZ, 3-WIRE SERVICE
212	ORGANIZER ENCLOSURE - 12" X 8" X 24" (LXWXH) - WITH 6" OF CLEAR SPACE AT THE BOTTOM OF ENCLOSURE FOR CONNECTIONS
216	INSTALLATION ROUTE FOR 4/0 ALUMINUM POWER CABLES
296	INSTALLATION ROUTE FOR 1/0 ALUMINUM HOUSE POWER CABLES



A1 MICROGRID INTERCONNECTION PLAN
1/4" = 1'-0"





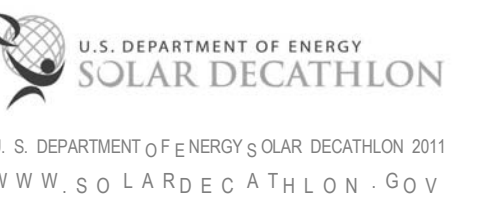
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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

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MARK -DATE -DESCRIPTION

SHEET TITLE:
ELECTRICAL COMPONENT PLAN

SHEET NUMBER:

E-102

GENERAL SHEET NOTES

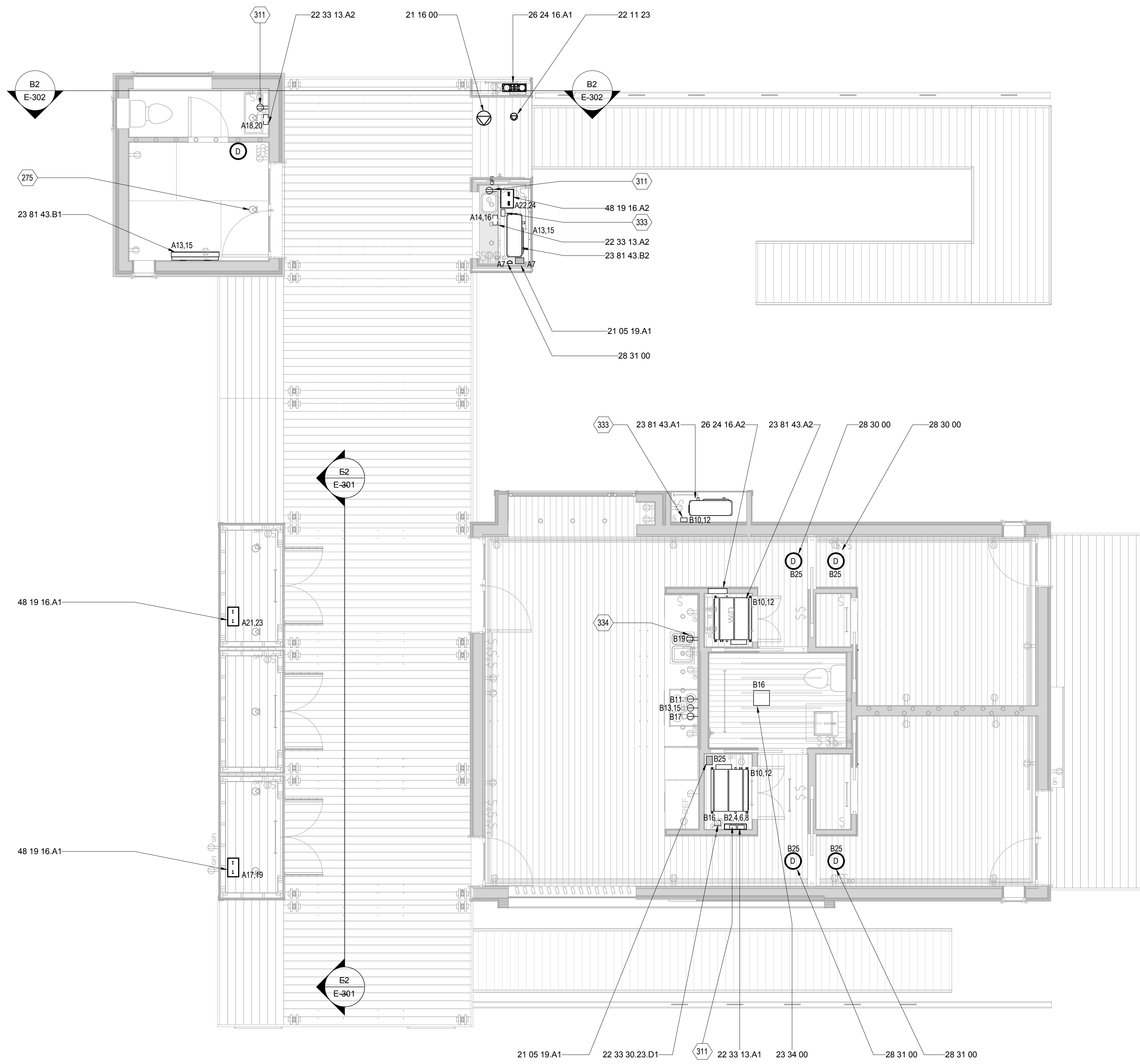
- ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH 110.26 SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT.
- OUTDOOR ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN SUITABLE ENCLOSURES AND SHALL BE PROTECTED FROM ACCIDENTAL CONTACT BY UNAUTHORIZED PERSONNEL.
- THE SERVICE DISCONNECTING MEANS SHALL BE INSTALLED IN ACCORDANCE WITH 230.70(A)(1).
- SWITCHES AND CIRCUIT BREAKERS SHALL BE LOCATED SUCH THAT THEY COMPLY WITH NEC 404.8. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IT IS IN ITS HIGHEST POSITION, IS NOT MORE THAN 6 FT 7 IN. ABOVE THE FLOOR OR WORKING PLATFORM.
- PERMANENTLY CONNECTED MOTOR-DRIVEN APPLIANCES OF MORE THAN 1/8 HORSEPOWER SHALL COMPLY WITH 422.32. THE SWITCH OR CIRCUIT BREAKER SHALL BE LOCATED WITHIN SIGHT FROM THE APPLIANCE.
- LIGHTING OUTLET LOCATION AND SWITCHING SHALL COMPLY WITH 210.70.

REFERENCE KEYNOTES

21 05 19.A1	FIRE-SUPPRESSION ALARM SWITCH
21 16 00	FIRE-SUPPRESSION PRESSURE MAINTENANCE PUMPS
22 11 23	DOMESTIC WATER PUMPS
22 33 13.A1	WHOLE HOUSE INSTANT WATER HEATER
22 33 13.A2	POINT-OF-USE INSTANT WATER HEATER
22 33 30.23.D1	CIRCULATING PUMP
23 34 00	HVAC FANS
23 81 43.A1	MAIN HOUSE HEAT PUMP - OJ TDOOR UNIT
23 81 43.A2	MAIN HOUSE HEAT PUMP - I INDOOR UNIT
23 81 43.B1	FLEX OM HEAT PUMP - INDOOR UNIT
23 81 43.B2	FLEX OM HEAT PUMP - OJ TDOOR UNIT
26 24 16.A1	MAIN PANELBOARD
26 24 16.A2	SUB-PANELBOARD
28 30 00	ELECTRONIC DETECTION AND ALARM
28 31 00	FIRE DETECTION AND ALARM
48 19 16.A1	2500 WATT INVERTER
48 19 16.A2	5000 WATT INVERTER

SHEET KEYNOTES

34	ATTACHMENT SCREWS
275	EXTERIOR LIGHTS - IN STALLED ON TOP OF FLEX OM
311	INSTANT WATER HEATER DISCONNECT
333	HVAC DISCONNECT
334	DISHWASHER DISCONNECT - IN STALL BELOW SINK



A1 ELECTRICAL COMPONENT PLAN
1/4" = 1'-0"

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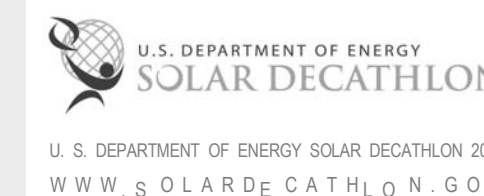
1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:



elm
SUSTAINABILITY
COMMISSIONING
ENGINEERING
Elm Engineering Inc.
212 South Tryon Street
Suite 1375
Charlotte, NC 28281
Tel 704.335.0396
Fax 704.335.0399
www.elmengr.com

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SHEET TITLE:
RECEPTACLE PLAN

SHEET NUMBER:

E-103

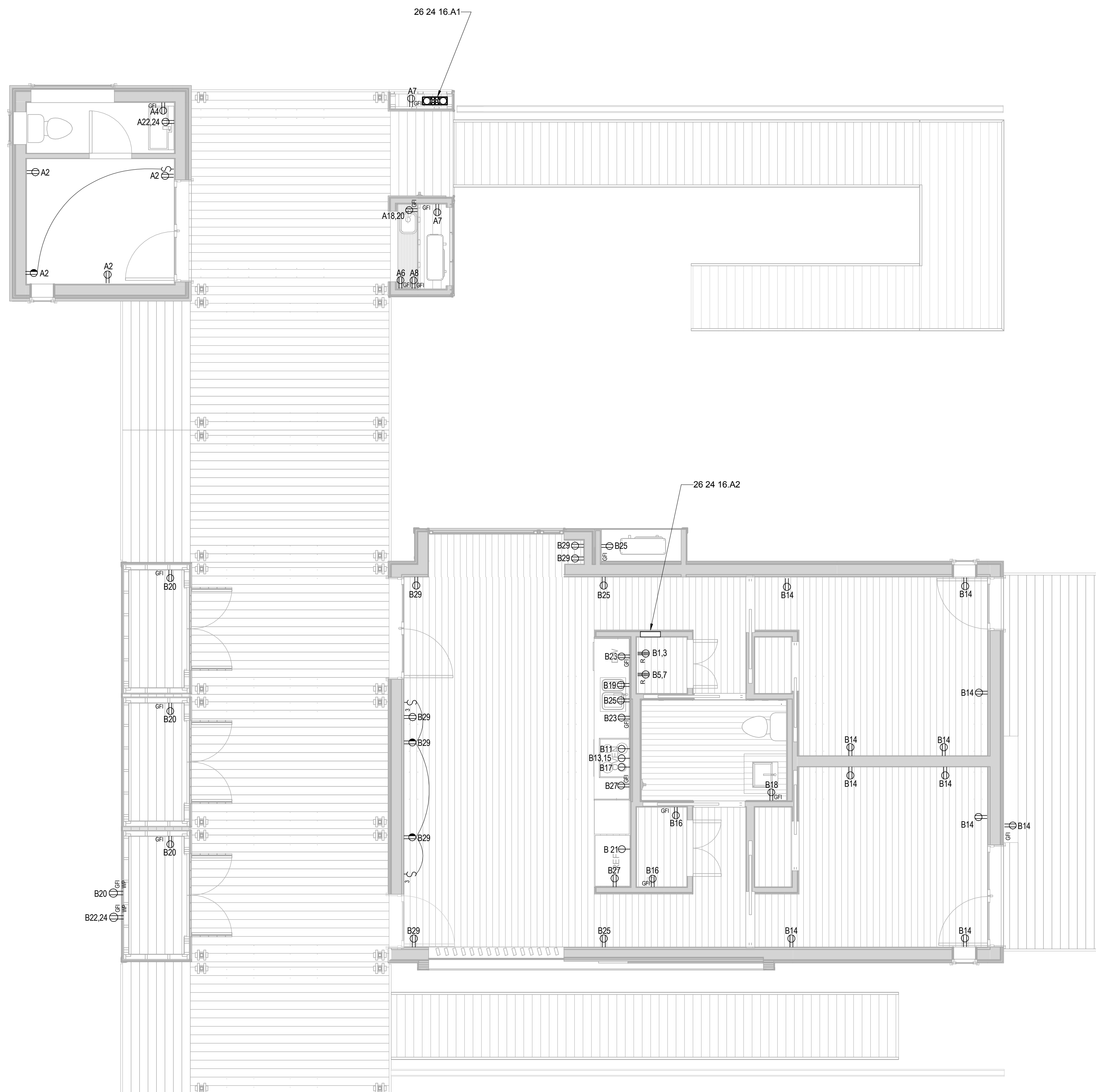
GENERAL SHEET NOTES

1. ALL RECEPTACLES INSTALLED IN (1) BATHROOMS (2) OUTDOOR STORAGE AREAS (3) OUTDOORS (6) KITCHENS SHALL COMPLY WITH NEC 210.8 (A).
2. ALL RECEPTACLES ARE LOCATED IN ACCORDANCE WITH NEC 210.52.
3. 210.63: ALL 125-VOLT, SINGLE PHASE, 15 OR 20 AMPERE-RATED RECEPTACLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR CONDITIONING, AND REFRIGERATION EQUIPMENT.
4. ALL RECEPTACLES INSTALLED ARE TAMPER RESISTANT IN ACCORDANCE WITH NEC 406.11.
5. ALL RECEPTACLES INSTALLED IN WET LOCATIONS AND BATHROOMS SHALL COMPLY WITH NEC 406.8 (B)(1) AND 410.10(A)(D).
6. THE DISHWASHER DISCONNECT (CIRCUIT NUMBER B19) WILL BE INSTALLED UNDERNEATH THE KITCHEN SINK.
7. RECEPTACLE B25 SHOWN ON KITCHEN WALL WILL BE INSTALLED IN THE SOFFIT CEILING ABOVE COUNTER SPACE.

REFERENCE KEYNOTES

26 24 16.A1	MAIN PANELBOARD
26 24 16.A2	SUB-PANELBOARD

SHEET KEYNOTES



A2 RECEPTACLE PLAN
1/4" = 1'-0"

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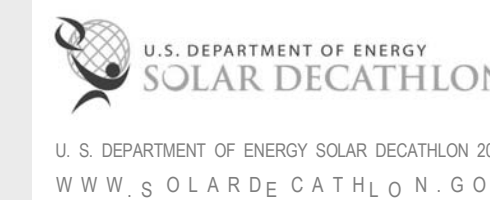
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APPALACHIAN STATE UNIVERSITY

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MARK - DATE - DESCRIPTION

SHEET TITLE:
LIGHTING PLAN

SHEET NUMBER:

E-104

GENERAL SHEET NOTES

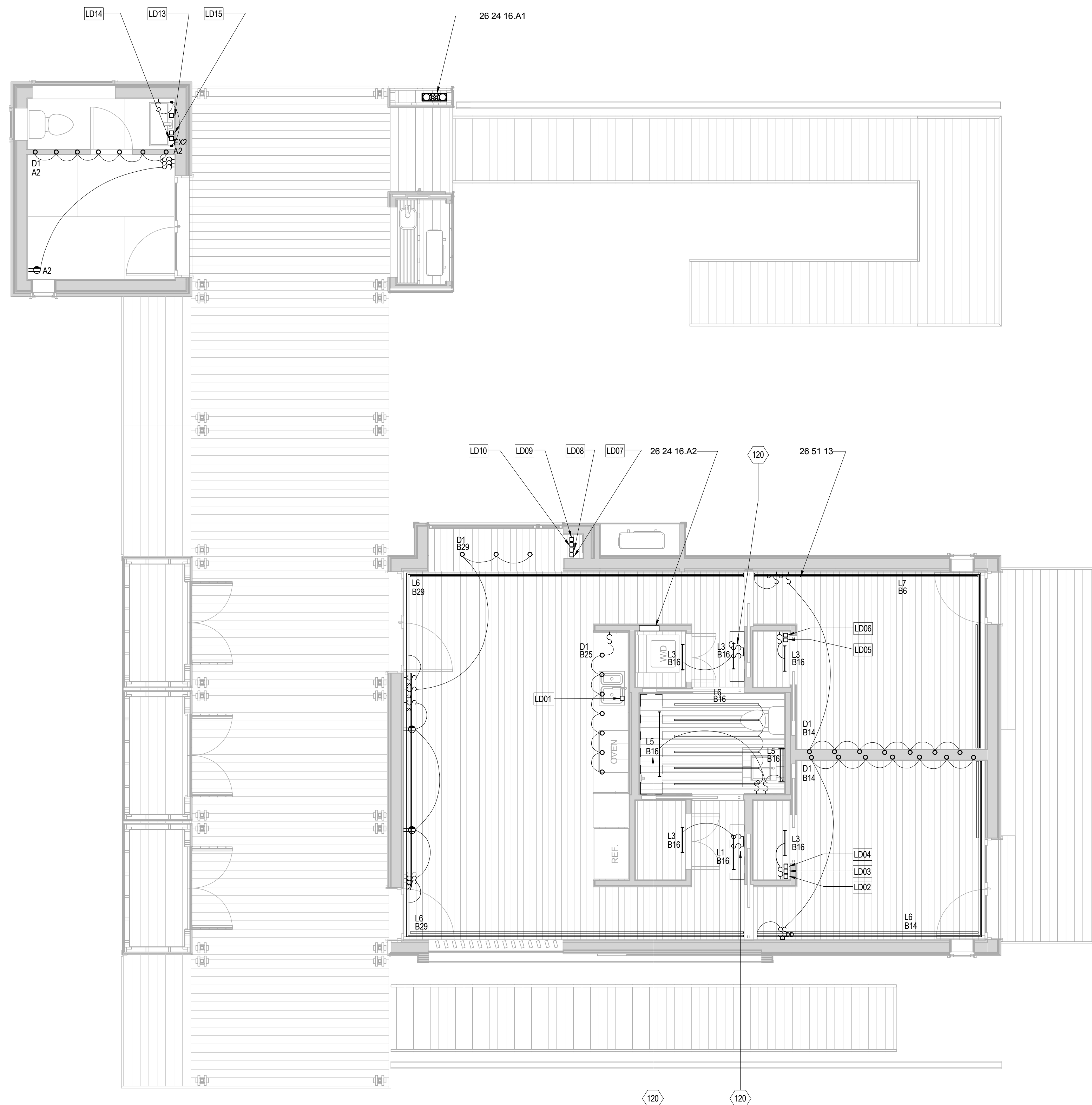
- LUMINAIRES SHALL BE INSTALLED IN ACCORDANCE WITH NEC 410.10(A)(D).
- LUMINAIRES PLACED IN CLOTHES CLOSETS WILL BE INSTALLED IN ACCORDANCE WITH NEC 410.10(A)(D), 410.16(A)(B)(C), AND NEC 410.18.

REFERENCE KEYNOTES

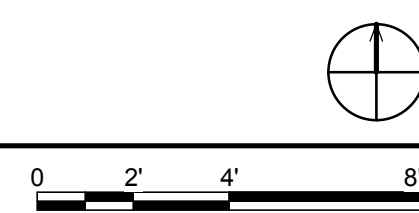
- 26 24 16.A1 MAIN PANELBOARD
- 26 24 16.A2 SUB-PANELBOARD
- 26 51 13 INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SHEET KEYNOTES

- 120 OPEN TO SKYLIGHT ABOVE



A2 INTERIOR LIGHTING & SWITCHING PLAN
1/4" = 1'-0"





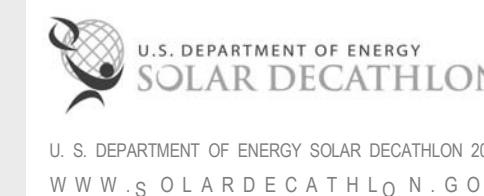
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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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MARK - DATE - DESCRIPTION

SHEET TITLE:
EXTERIOR LIGHTING PLAN

SHEET NUMBER:

E-105

GENERAL SHEET NOTES

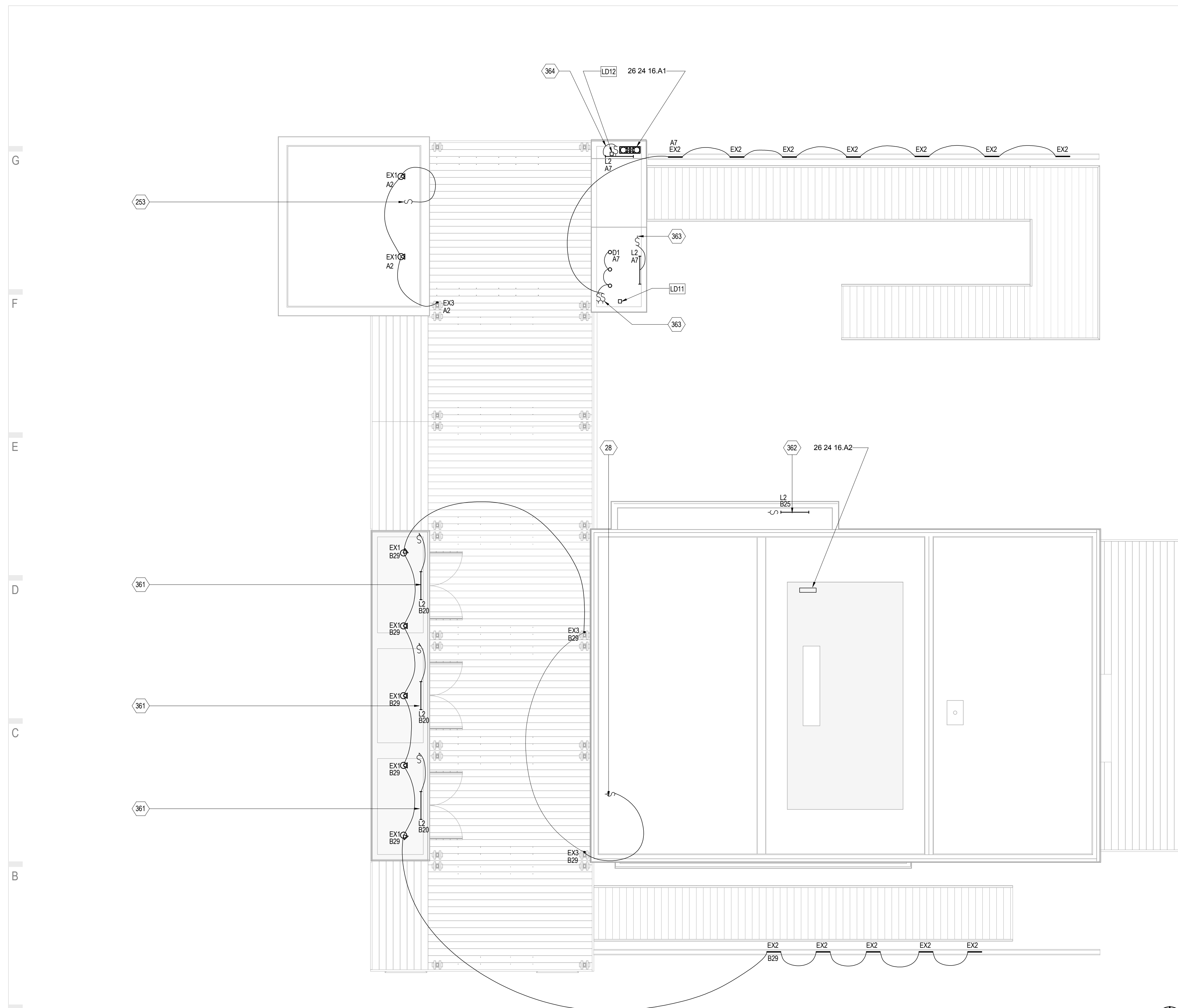
- LUMINAIRES PLACED SHALL BE INSTALLED IN ACCORDANCE WITH NEC 410.10 (A)(D).

REFERENCE KEYNOTES

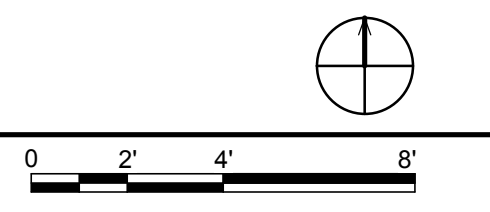
26 24 16 A1 MAIN PANELBOARD
26 24 16 A2 SUB-PANELBOARD

SHEET KEYNOTES

- 28 SWITCH LOCATED IN LIVING SPACE BELOW
- 253 LOCATED IN FLEX SPACE
- 361 LOCATED IN OM CLOSET BELOW
- 362 LOCATED IN EXTERIOR MECHANICAL CLOSET BELOW
- 363 LOCATED IN KITCHEN OM BELOW
- 364 LOCATED IN ELECTRICAL CLOSET BELOW



A2 EXTERIOR LIGHTING & SWITCHING PLAN
1/4" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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MARK - DATE - DESCRIPTION

SHEET TITLE:
PV ARRAY PLAN

SHEET NUMBER:

E-106

GENERAL SHEET NOTES

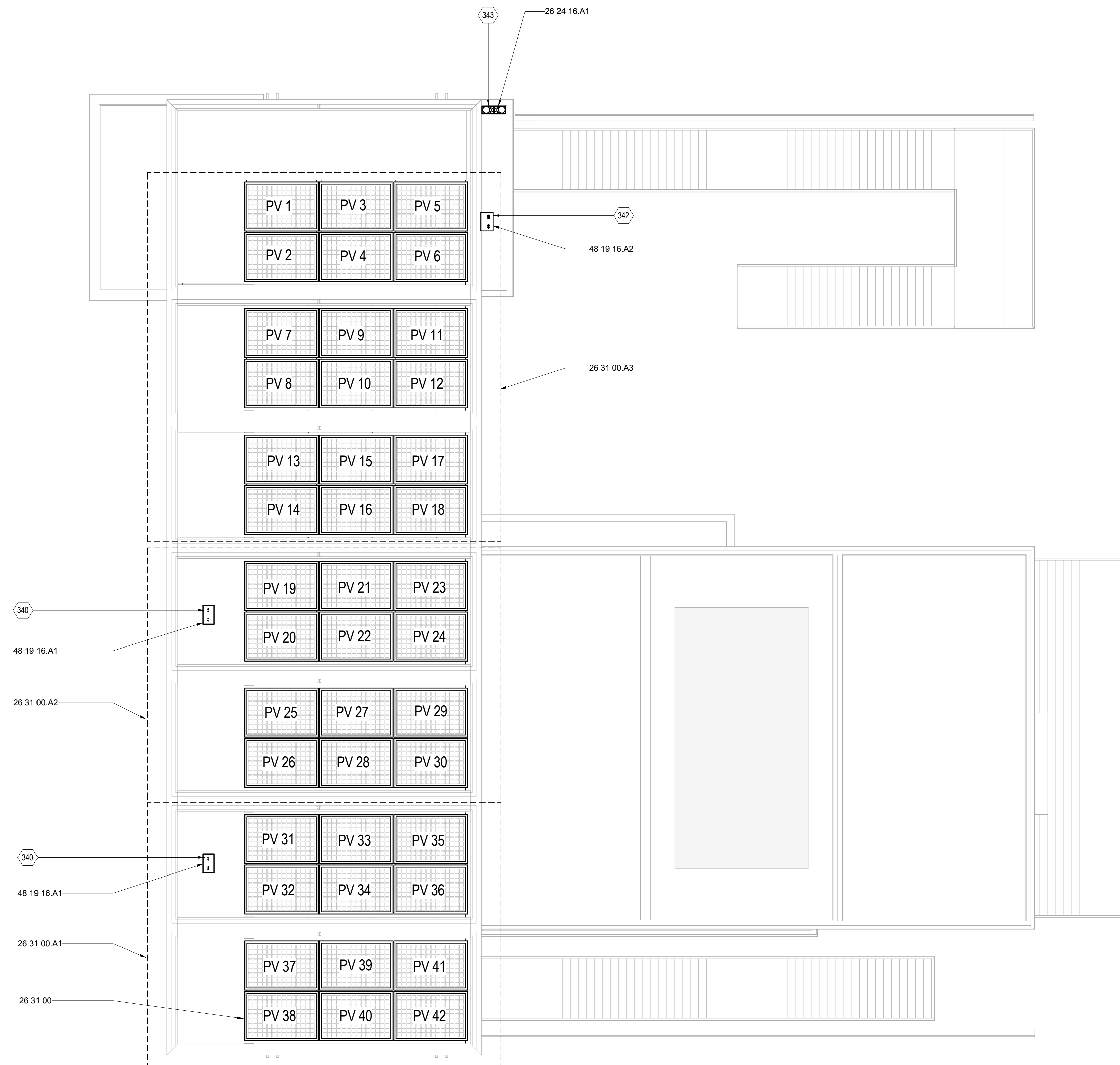
1. INSTALLATION AND SERVICE OF ARRAY SHALL COMPLY WITH NEC 690.18. OPEN CIRCUITING, SHORT CIRCUITING, OR OPAQUE COVERING SHALL BE USED TO DISABLE AN ARRAY OR PORTIONS OF AN ARRAY FOR INSTALLATION AND SERVICE.
2. WIRING METHODS OF ARRAY SHALL COMPLY WITH NEC 690.31. WHERE PHOTOVOLTAIC SOURCE AND OUTPUT CIRCUITS OPERATING AT MAXIMUM SYSTEM VOLTAGES GREATER THAN 30 VOLTS ARE INSTALLED IN READILY ACCESSIBLE LOCATIONS, CIRCUIT CONDUCTORS SHALL BE INSTALLED IN A RACEWAY.

REFERENCE KEYNOTES

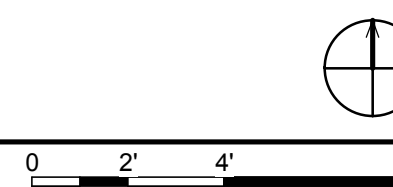
26 24 16.A1	MAIN PANELBOARD
26 31 00	PHOTOVOLTAIC COLLECTORS
26 31 00.A1	SUB-ARRAY 1
26 31 00.A2	SUB-ARRAY 2
26 31 00.A3	SUB-ARRAY 3
48 19 16.A1	2500 WATT INVERTER
48 19 16.A2	5000 WATT INVERTER

SHEET KEYNOTES

340	LOCATED IN OM CLOSET BELOW ARRAY
342	LOCATED IN KITCHEN OM CLOSET BELOW ARRAY
343	LOCATED IN ELECTRICAL CLOSET BELOW ARRAY



A2 PV ARRAY PLAN
1/4" = 1'-0"





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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:



elm
SUSTAINABILITY
COMMISSIONING
ENGINEERING
Elm Engineering Inc.
212 South Tryon Street
Suite 1375
Charlotte, NC 28281
Tel 704.335.0396
Fax 704.335.0399
www.elmengr.com

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MARK - DATE - DESCRIPTION

SHEET TITLE:
PV CONDUIT PLAN

SHEET NUMBER:

E-107

GENERAL SHEET NOTES

1. CABLES AND CONDUIT SHALL BE SECURED IN ACCORDANCE WITH 334.30. SECURED BY STAPLES, CABLE TIES, STRAPS, HANGERS, OR SIMILAR FITTINGS DESIGNED AND INSTALLED SO AS NOT TO DAMAGE THE CABLE AT INTERVALS NOT EXCEEDING 4.5 FT AND WITHIN 12 IN. OF EVERY OUTLET BOX, JUNCTION BOX, CABINET, OR FITTING.
2. NEC 690.34 ACCESS TO BOXES, JUNCTION, PULL, AND OUTLET BOXES LOCATED BEHIND MODULES OR PANELS SHALL BE SO INSTALLED THAT THE WIRING CONTAINED IN THEM CAN BE RENDERED ACCESSIBLE DIRECTLY OR BY REPLACEMENT OF A MODULE(S).
3. CONDUCTOR AMPACITIES SHALL BE DERATED IN ACCORDANCE WITH 310.15 (B)(2) FOR THOSE IN CONDUIT EXPOSED TO SUNLIGHT.

CONDUIT LEGEND

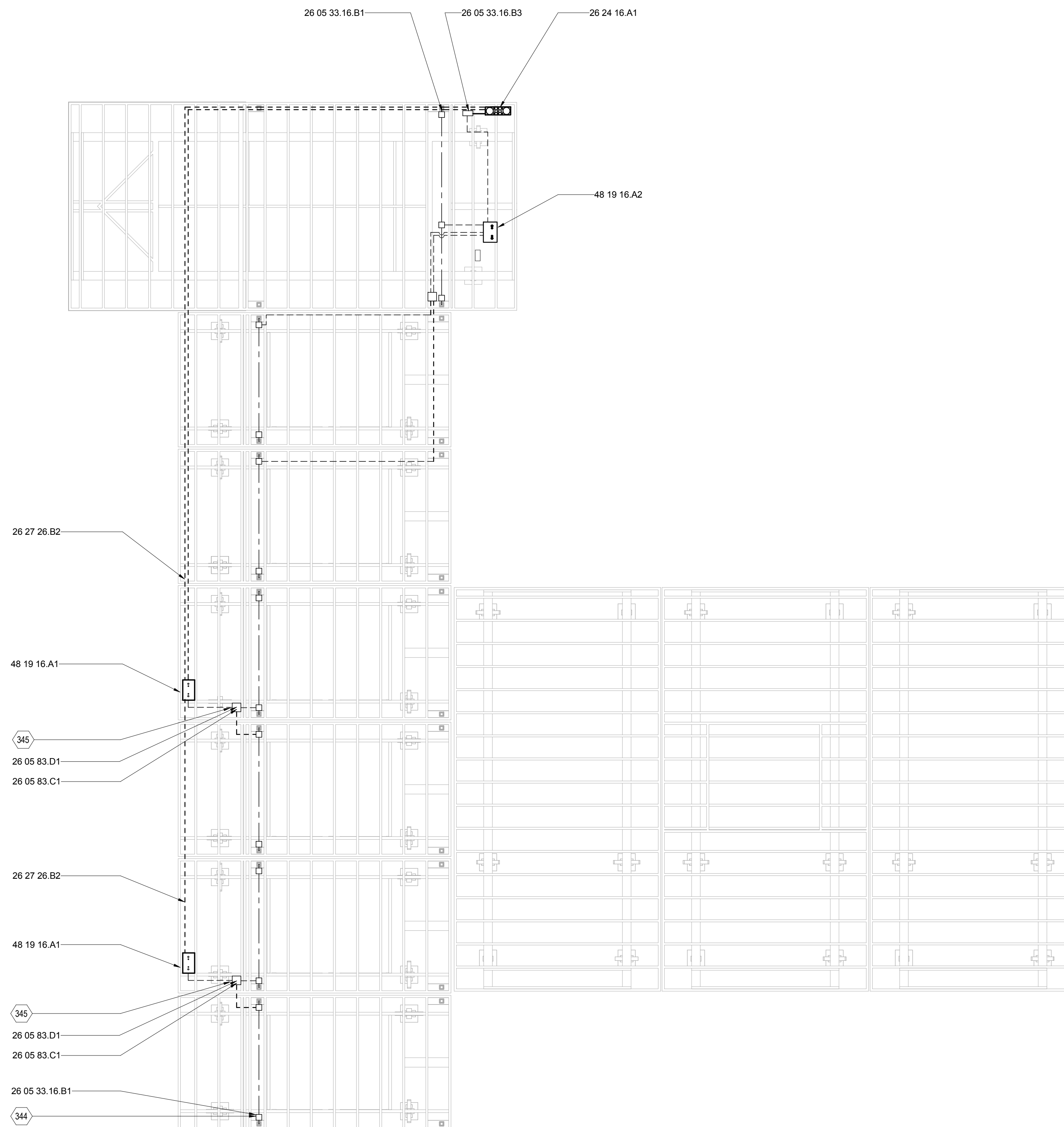
---	1/2" EMT- 26 05 33.13.A1
- - - - -	3/4" EMT- 26 05 33.13.A2
- - - - -	3/4" LFMC - 26 05 33.13.B1

REFERENCE KEYNOTES

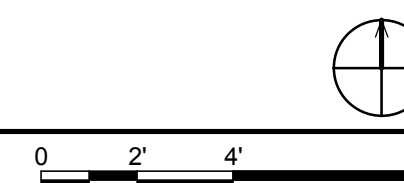
26 05 33.16.B1	JUNCTION AND PULL BOX
26 05 33.16.B3	JUNCTION BOX
26 05 83.C1	BRANCH PLUG
26 05 83.D1	BRANCH SOCKET
26 24 16.A1	MAIN PANELBOARD
26 27 26.B2	EMT AND LFMC WIRE
48 19 16.A1	2500 WATT INVERTER
48 19 16.A2	5000 WATT INVERTER

SHEET KEYNOTES

344	TACK WELDED TO TRAILER STEEL BELOW COLUMN
345	MOUNTED TO TRAILER BELOW DECKING - SECTION 26 05 33.16



(A2) PV CONDUIT PLAN
1/4" = 1'-0"





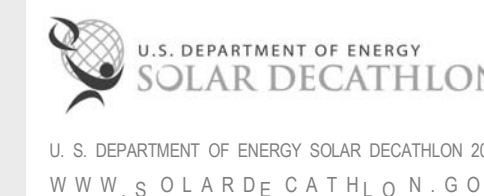
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SHEET TITLE:
TELECOMMUNICATIONS PLAN

SHEET NUMBER:

E-108

GENERAL SHEET NOTES

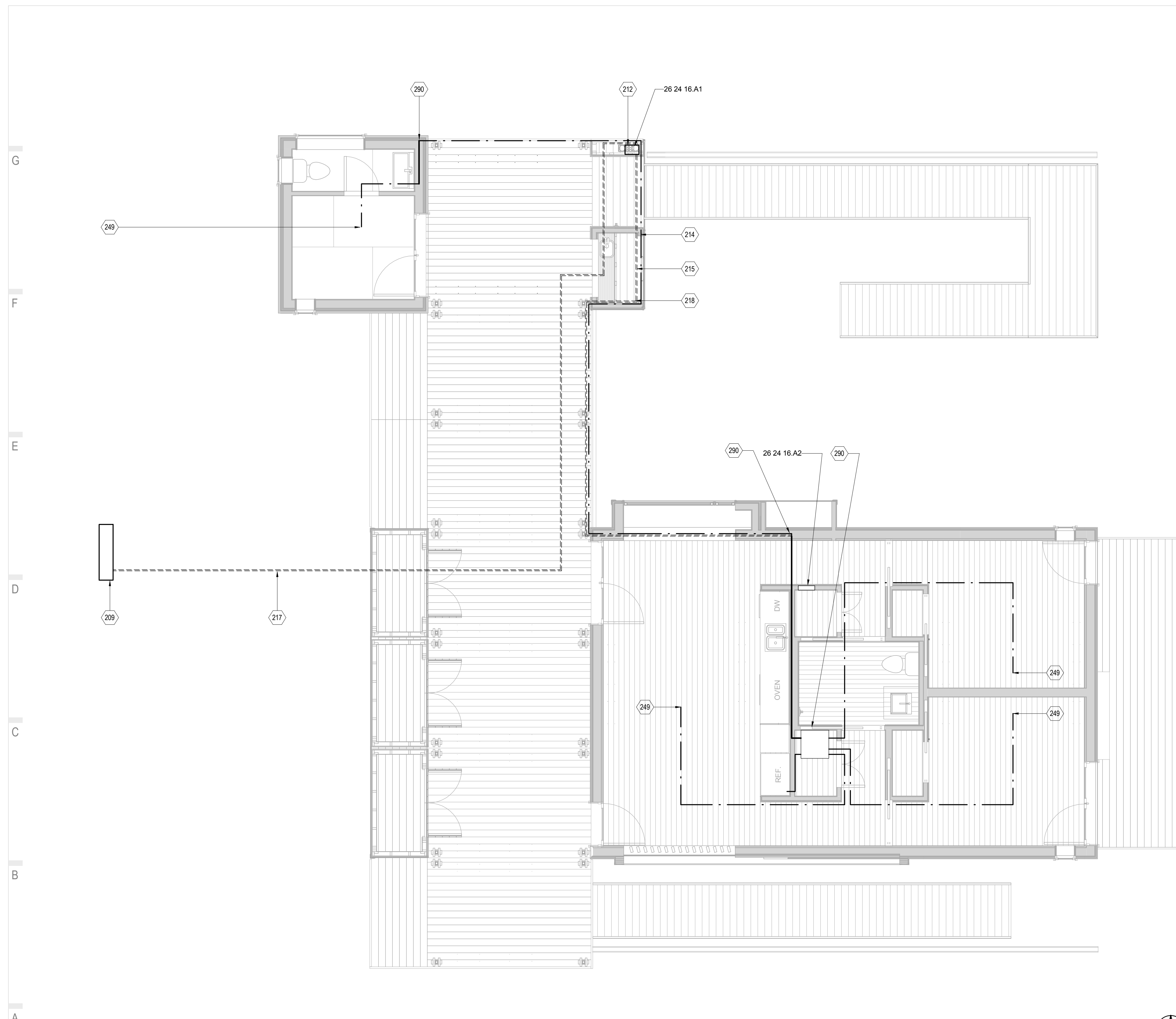
1. SENSOR CABLE AND ETHERNET CABLE FOR DOE DATA LOGGING ENCLOSURE PULLED THROUGH 1" CONDUIT THROUGH MECHANICAL ROOM FLOOR, SPANNING THE MIDDLE TRAILER SUPPORT BEAMS TO THE OUTER (NORTH) WALL OF THE TRAILER. HANGERS WILL BE USED TO ROUTE THE CABLES AROUND THE PERIMETER OF THE HOME, PORCH, AND FLEX OM TO THE NORTH WALL OF THE FLEX OM. A SHORT RUN OF 1" CONDUIT MAY BE USED TO ROUTE THE CABLES FROM THE NORTH WALL OF THE FLEX OM INTO THE VANITY CABINET. CONDUIT PULLS WILL BE ASSISTED WITH A PULL WIRE.
2. TEAMS SHALL RESERVE A SPACE OF 12" WIDE X 24" HIGH X 8" DEEP ON A WALL FOR AN ORGANIZER ENCLOSURE WITHIN 4' OF THE TEAM PANEL BOARD.
3. SENSOR WIRES WILL BE ROUTED IN A FLEXIBLE CONDUIT BETWEEN THE TEAM PANEL BOARD AND THE ORGANIZER ENCLOSURE. ORGANIZERS WILL SUPPLY AND INSTALL THE CONDUIT.
4. TEAMS MUST PROVIDE A CLEAR AND ACCESSIBLE INSTALLATION ROUTE FOR NETWORK CABLING FROM THE ORGANIZER UTILITY PANEL TO THE ORGANIZER ENCLOSURE.
5. TEAMS SHALL PROVIDE A MINIMUM 24" WIDE BY 30" HIGH BY 24" DEEP SPACE FOR PLACEMENT OF THE DATALOGGER ENCLOSURE IN CLOSE PROXIMITY TO THE TEAM'S REFRIGERATOR AND FREEZER.
7. TEAMS MUST ALSO PROVIDE A CLEAR INSTALLATION ROUTE FOR NETWORK CABLING BETWEEN THE ORGANIZER ENCLOSURE AND THE DATALOGGER ENCLOSURE TO ENABLE (SUB)CONTST MEASUREMENTS. THIS RUN IS A SINGLE NETWORK CABLE RUN THAT CONNECTS THE DATALOGGER TO THE NETWORK FOR DATA ACQUISITION.
8. THE ORGANIZERS MAY REQUIRE USE OF ADJACENT RECEPTACLE(S) TO PROVIDE POWER TO THE DATALOGGER AND ITS ASSOCIATED COMPONENTS.
9. TEAMS MUST PROVIDE A MINIMUM 1" HOLE FOR ALL PENETRATIONS ALONG THE PROPOSED WIRE ROUTE(S).
10. ALL PENETRATIONS FOR CABLE RUNS SHALL HAVE A MINIMUM CLEAR DIAMETER OF 1 INCH.

REFERENCE KEYNOTES

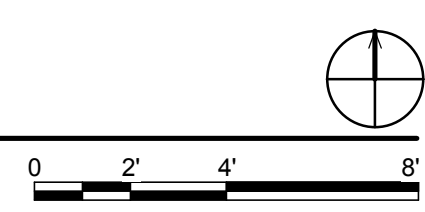
26 24 16 A1 MAIN PANELBOARD
26 24 16 A2 SUB-PANELBOARD

SHEET KEYNOTES

- 209 ORGANIZER UTILITY PANEL - 150A/240V/60HZ, 3-WIRE SERVICE
212 ORGANIZER ENCLOSURE - 12" X 8" X 24" (LXWXH) - WITH 6" OF CLEAR SPACE AT THE BOTTOM OF ENCLOSURE FOR CONNECTIONS
214 INSTALLATION ROUTE FOR SENSOR WIRE
215 INSTALLATION ROUTE FOR TEAM ETHERNET CABLES
217 INSTALLATION ROUTE FOR ORGANIZER ETHERNET CABLES
218 INSTALLATION ROUTE FOR NETWORK CABLING - CONNECTS THE DATALOGGER TO THE NETWORK FOR DATA ACQUISITION
249 ROUTE FROM MEASUREMENT LOCATION TO THE DATALOGGER ENCLOSURE
290 1" CONDUIT FOR ORGANIZER WIRING PURPOSES - TEAM WILL INSTALL CONDUIT AND PROVIDE PULL WIRE



A1 TELECOMMUNICATIONS PLAN
1/4" = 1'-0"



01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:



elm
SUSTAINABILITY
COMMISSIONING
ENGINEERING
Eln Engineering Inc.
212 South Tryon Street
Suite 1375
Charlotte, NC 28281
Tel 704.335.0396
Fax 704.335.0399
www.elmengr.com

CLIENT:



U. S. DEPARTMENT OF ENERGY SOLAR DECATHLON 2011
WWW.SOLARDECATHLON.GOV

LOT #: 205 | APPST
DRAWN BY: HK, JS, JA
CHECKED BY: KR
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
PV INVERTER SECTIONS

SHEET NUMBER:

E-301

GENERAL SHEET NOTES

- PV DISCONNECTS SHALL BE LOCATED SUCH THAT THEY COMPLY WITH NEC 404.8. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IT IS IN ITS HIGHEST POSITION, IS NOT MORE THAN 6 FT 7 IN. ABOVE THE FLOOR OR WORKING PLATFORM.
- ALL CONDUIT SHALL BE SECURED AND SUPPORTED IN ACCORDANCE WITH NEC 334.30.
- SUB-ARRAY 1 & 2: BETWEEN THE INVERTER AND MAIN PANELBOARD 3/4" LFMC WILL BE COILED UNDER THE TRAILER DURING TRANSPORTATION AND THEN INSTALLED AT THE COMPETITION.

CONDUIT LEGEND

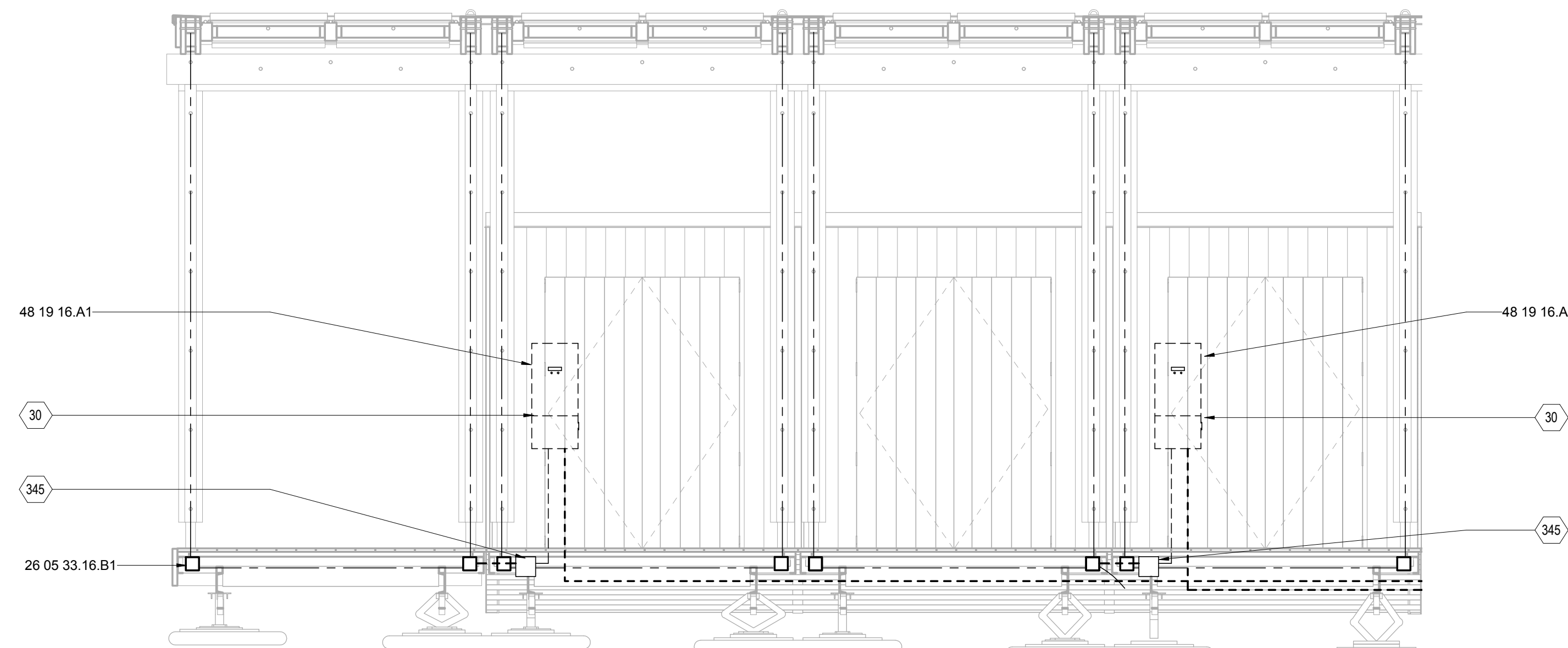
---	1/2" EMT- 26 05 33.13.A1
----	3/4" EMT- 26 05 33.13.A2
.....	3/4" LFMC - 26 05 33.13.B1

REFERENCE KEYNOTES

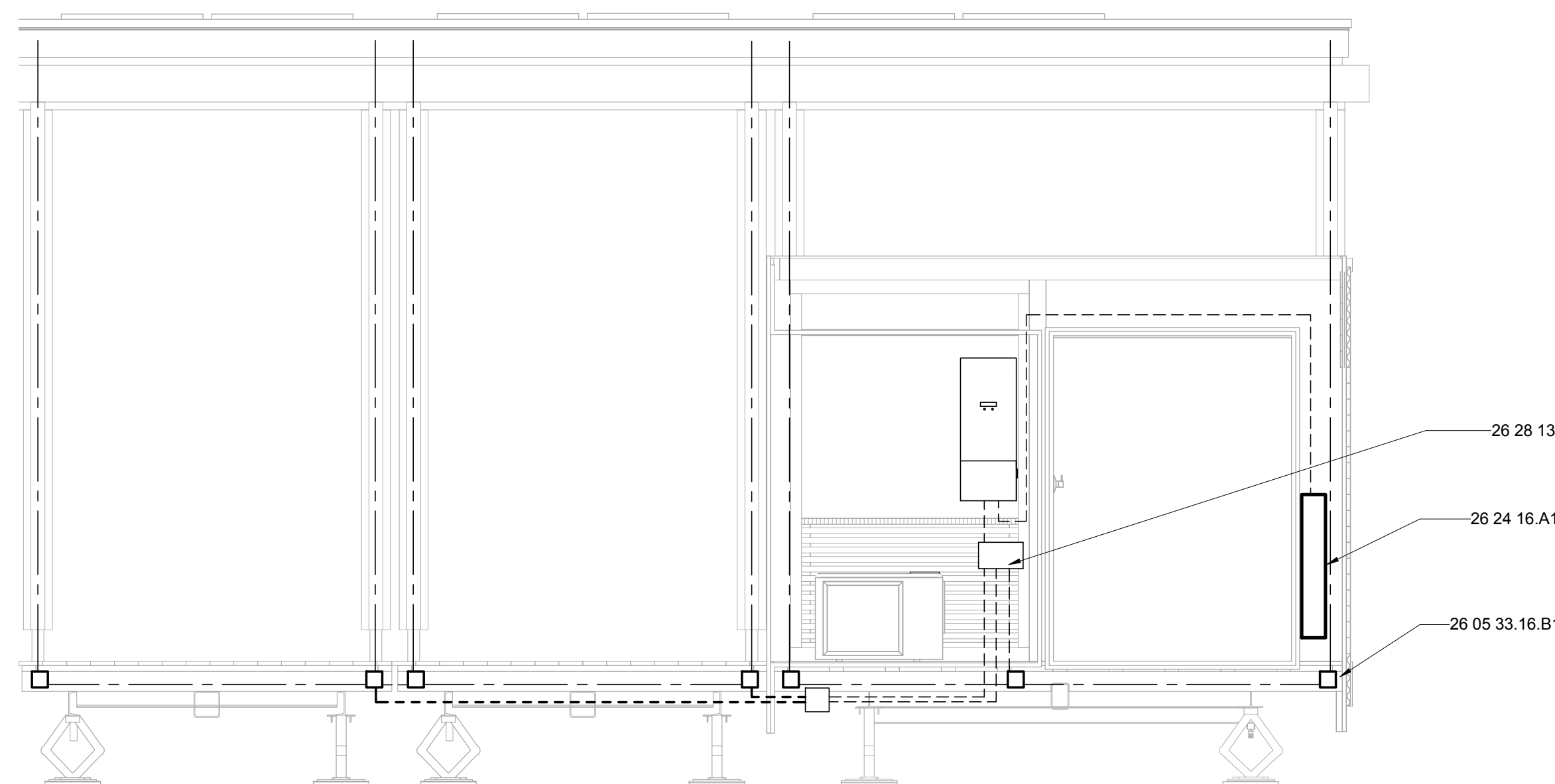
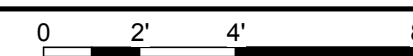
26 05 33.16.A1	COMBINER BOX
26 05 33.16.B1	JUNCTION AND PULL BOX
26 24 16.A1	MAIN PANELBOARD
26 28 13	FUSES
48 19 16.A1	2500 WATT INVERTER
48 19 16.A2	5000 WATT INVERTER

SHEET KEYNOTES

30	INVERTER MOUNTED TO BACK WALL OF CLOSET
345	MOUNTED TO TRAILER BELOW DECKING - SECTION 26 05 33.16



E2 SUB-ARRAY 1 & 2 INVERTER SECTION
3/8" = 1'-0"



A2 SUB-ARRAY 3 INVERTER SECTION
3/8" = 1'-0"





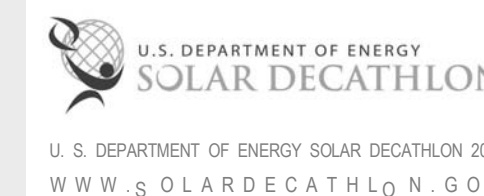
THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:



CLIENT:



LOT #: 205 | APPST
DRAWN BY: HK, JS, JA
CHECKED BY: KR
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
ELECTRICAL CLOSET SECTION

SHEET NUMBER:

E-302

GENERAL SHEET NOTES

- TEAMS SHALL PROVIDE A TEAM METER HOUSING THAT WILL ACCEPT A STANDARD 4-JAW, RINGLESS, ROUND UTILITY-GRADE SOCKET METER FOR USE WITH 240/120 V SERVICES.
- THIS METER MUST BE LOCATED BETWEEN 50" AND 65" ABOVE GRADE OR ACCESSIBLE WALKING SURFACE TO QUALIFY FOR MICROGRID INTERCONNECTION APPROVAL.
- THE TEAM METER HOUSING AND THE FRONT OF THE METER SHALL BE VISIBLE AT ALL TIMES DURING THE COMPETITION.
- TEAM TO PROVIDE ORGANIZER ACCESS TO THE TEAM PANEL BOARD AND ONE KNOCK-OUT TO ALLOW ORGANIZER INSTALLATION OF PV MONITORING SENSORS
- SWITCHES AND CIRCUIT BREAKERS SHALL BE LOCATED SUCH THAT THEY COMPLY WITH NEC 404.8, THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IT IS IN ITS HIGHEST POSITION, IS NOT MORE THAN 6 FT 7 IN. ABOVE THE FLOOR OR WORKING PLATFORM.

CONDUIT LEGEND

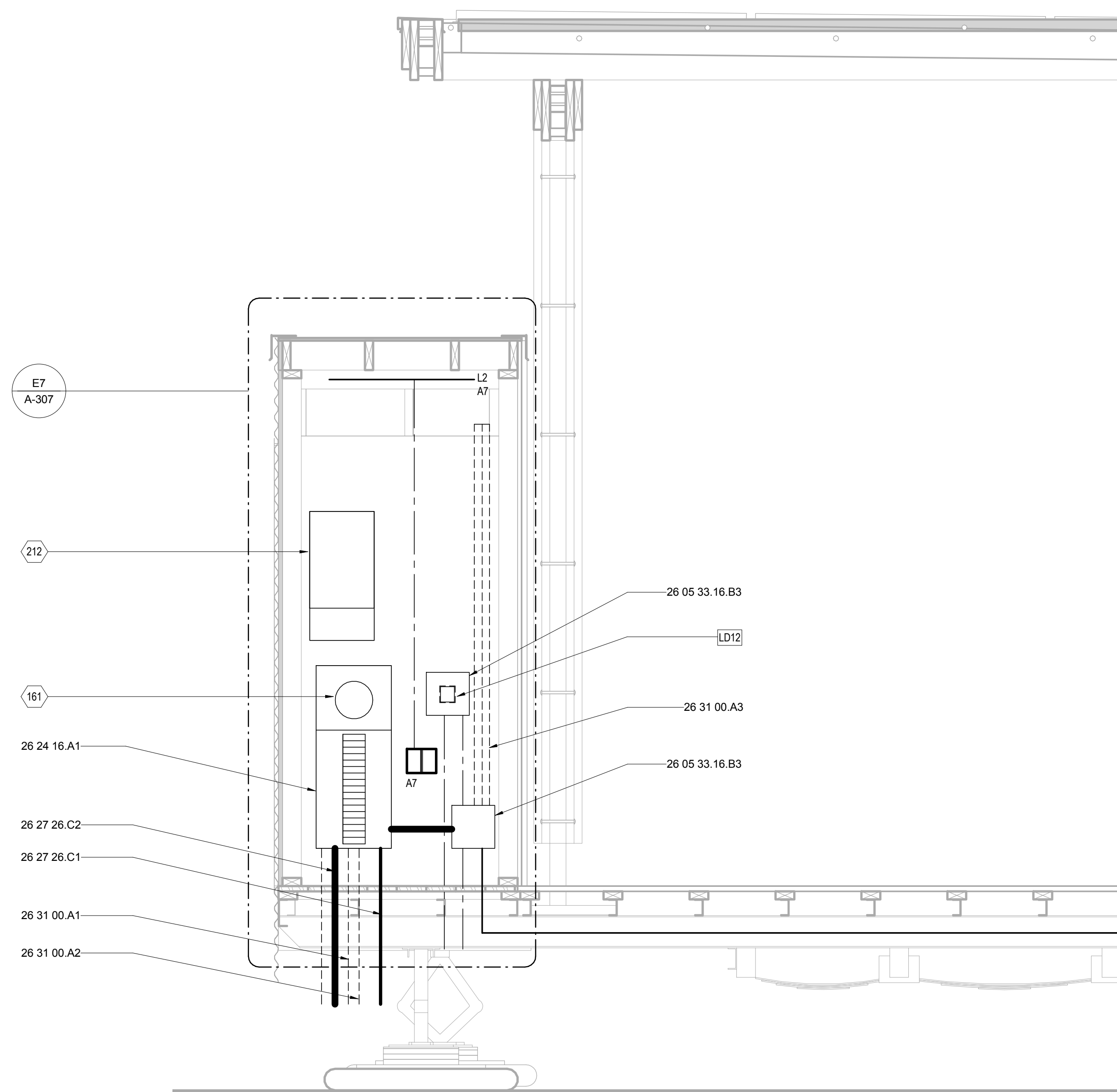
---	1/2" EMT- 26 05 33.13.A1
---	3/4" EMT- 26 05 33.13.A2
---	1" EMT- 26 05 33.13.A3
---	3/4" LFMC - 26 05 33.13.B1
---	1 1/2" PVC
---	2" PVC

REFERENCE KEYNOTES

26 05 33.16.B3	JUNCTION BOX
26 24 16.A1	MAIN PANELBOARD
26 27 26.C1	HOUSE POWER CABLE
26 27 26.C2	COMPETITION POWER CABLE
26 31 00.A1	SUB-ARRAY 1
26 31 00.A2	SUB-ARRAY 2
26 31 00.A3	SUB-ARRAY 3

SHEET KEYNOTES

161	TEAM-SUPPLIED METER HOUSING
212	ORGANIZER ENCLOSURE - 12" X 8" X 24" (LXWXH) - WITH 6" OF CLEAR SPACE AT THE BOTTOM OF ENCLOSURE FOR CONNECTIONS



B2 ELECTRICAL CLOSET SECTION
3/4" = 1'-0"





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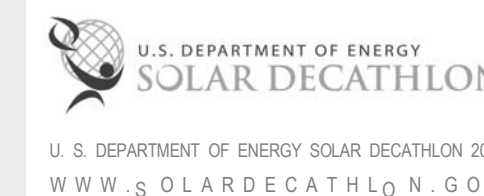
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LOT #: 205 | APPST
DRAWN BY: HK, JS, JA
CHECKED BY: KR
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
ENLARGED FLEX ELECTRICAL
PLAN

SHEET NUMBER:

E-401

GENERAL SHEET NOTES

CONDUIT LEGEND

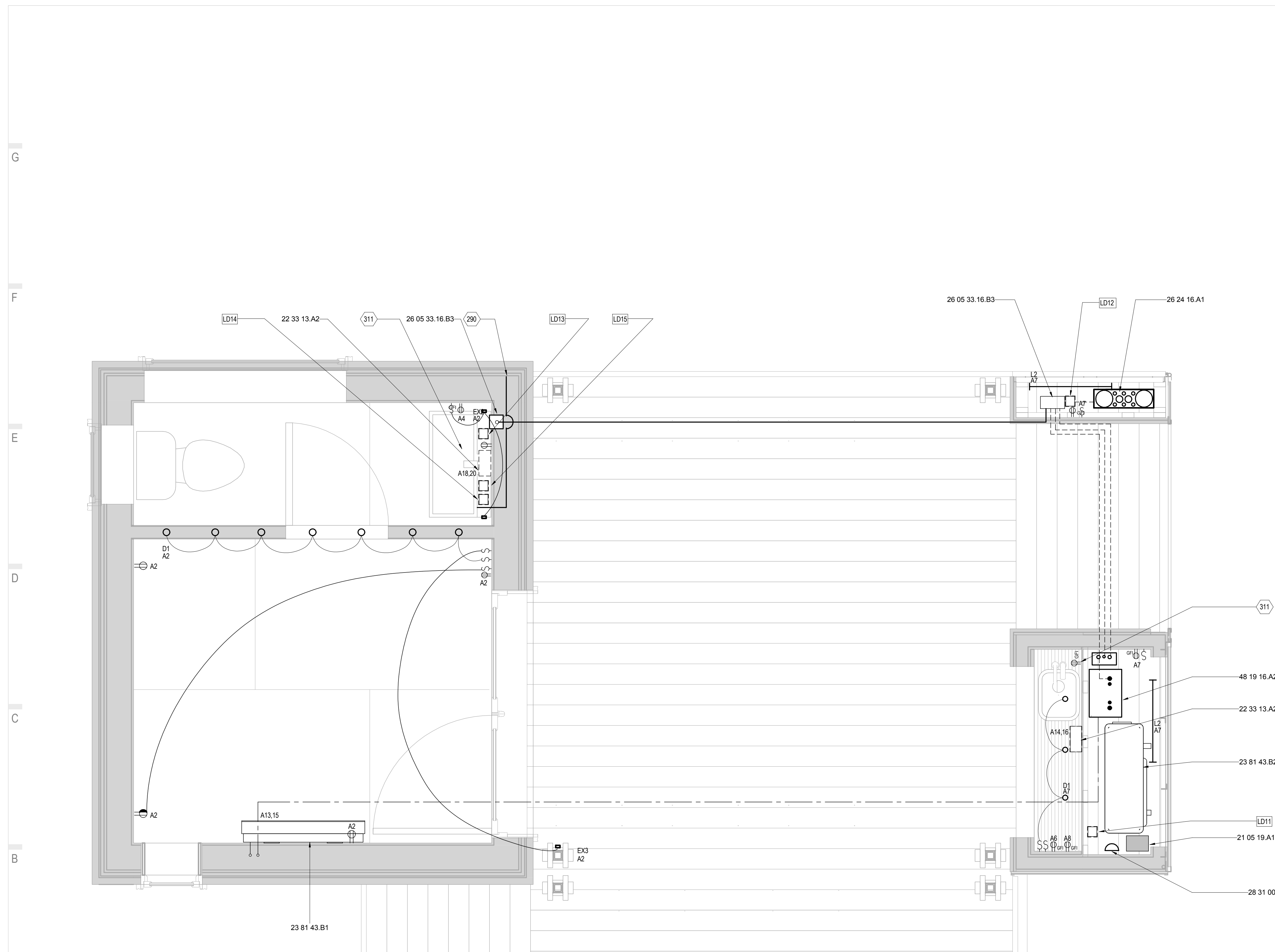
- 1/2" EMT- 26 05 33.13.A1
- - - 3/4" EMT- 26 05 33.13.A2
- 1" EMT- 26 05 33.13.A3

REFERENCE KEYNOTES

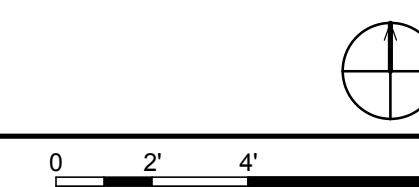
- 21 05 19.A1 FIRE SUPPRESSION ALARM SWITCH
- 22 33 13.A2 POINT-OF-USE INSTANT WATER HEATER
- 23 81 43.B1 FLEX OM HEAT PUMP - INDOOR UNIT
- 23 81 43.B2 FLEX OM HEAT PUMP - OUTDOOR UNIT
- 26 05 33.16.B3 JUNCTION BOX
- 26 24 16.A1 MAIN PANELBOARD
- 28 31 00 FIRE DETECTION AND ALARM
- 48 19 16.A2 5000 WATT INVERTER

SHEET KEYNOTES

- 290 1" CONDUIT FOR ORGANIZER WIRING PURPOSES - TEAM WILL INSTALL CONDUIT AND PROVIDE PULL WIRE
- 311 INSTANT WATER HEATER DISCONNECT



A1 ENLARGED FLEX ELECTRICAL PLAN
3/4" = 1'-0"



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BALANCE OF SYSTEM COMPONENT SPECIFICATIONS		
SANYO BIFACIAL MODULE		
MODEL NUMBER	HIP-195DA3	30% BACKSIDE IRRADIATION
RATED POWER VOLTAGE (PMAX)	195 WATTS	249
MAX. POWER VOLTAGE (VPM)	55.8 VOLTS	56.1
MAX. POWER CURRENT (IPM)	3.5 AMPS	4.45
OPEN CIRCUIT VOLTAGE (VOC)	68.7 VOLTS	69.5
SHORT CIRCUIT CURRENT (ISC)	3.73 AMPS	4.85
MAXIMUM SYSTEM VOLTAGE (VSY5)	600 VOLTS	
SERIES FUSE	15 AMPS	
TEMPERATURE COEFFICIENT (PMAX)	-0.34% / C	
TEMPERATURE COEFFICIENT (VOC)	-0.192 / V/C	
TEMPERATURE COEFFICIENT (ISC)	1.70 / M/V	
STANDARD TEST CONDITION	25	C
KACO INVERTER (S)		
CHARACTERISTICS	BLUEPLANET 2502XI	BLUEPLANET5002XI
MODEL	2502XI	5002XI
DC INPUT		
MAX. PV ARRAY POWER	3000 W	6000 W
MAX. DC INPUT VOLTAGE	550 V	600 V
MPP RANGE	200-450 V	200-510 V
NOMINAL INPUT CURRENT	13 A	26.5 A
MAX. DC ISC	21.45 A	40 A
AC OUTPUT		
MAX. OUTPUT POWER AT 40 C	2500 W	5000 W
NOMINAL AC OUTPUT VOLTAGE	240 V	240 V
MAX. OVER-CURRENT PROTECTION	20 A	30 A
MAX. CONTINUOUS CURRENT	12 A	24 A
OPERATING FREQUENCY	60 HZ	60 HZ
CEC EFFICIENCY	95.50%	95.50%
SOLARLOK COMBINER BOX SUB-ARRAY 3		
SPECIFICATIONS (DC)		
MODEL NUMBER	408 -10271	
MAXIMUM SYSTEM VOLTAGE	600 V	
MAXIMUM OUTPUT CURRENT	75 A	
MAXIMUM CONTINUOUS CURRENT	60 A	
MAXIMUM CURRENT PER STRING	15 A	
MAXIMUM FUSE RATING	15 A (MIDGET/5AG FUSE)	
MAXIMUM MODULE ISC PER STRING	9.6 A	
ENCLOSURE	NEMA TYPE 3	
MAXIMUM AMBIENT TEMP	50 C	
JUNCTION BOX SUB-ARRAY 1 AND 2		
SERIES TO PARALLEL SPECIFICATIONS		
MODEL	MC3-SOLARLINE 1 BRANCH	
CONNECTORS		
(THESE WATERPROOF Y-CONNECTORS MAKE IT POSSIBLE TO PARALLEL WIRE PV MODULES WITH MULTI-CONTACT OUTPUT CABLES)		
RATED CURRENT	30 A	
RATED VOLTAGE	1000 V	
AMBIENT TEMP	-40C, +90C	
TEMPERATURE COEFFICIENT CALCULATIONS		
TEMPERATURE COEFFICIENT		
AMBIENT TEMPERATURE		
TEMPERATURE DATA OBTAINED FROM THE NATIONAL CLIMATIC DATA CENTER (WWW.NCDC.NOAA.GOV)		
BOONE, NC		
LOWEST AMBIENT TEMP.	-31.11	C
HIGHEST AMBIENT TEMP.	40	C
PV MODULE MAX. OPERATING TEMP.	75	C
SUB-ARRAY 1 AND 2 (APPLIES TO BOTH 12 - SANYO HIP 195 DA3 ARRAYS)		
TWO SERIES STRINGS JOIN TO BE PARALLEL AT THE MC3 BRANCH CONNECTOR		
TEMP. COEFFICIENT OF VOLTAGE	-0.192	V/C
OPEN CIRCUIT VOLTAGE	69.5	V
STC	25	C
LOWEST AMB. TEMP.	-31.11	C
CHANGE IN TEMP.	56.11	C
WORST CASE VAULE OF EXPECTED STRING VOLTAGE:	481.6	VOLTS
TEMP. COEFFICIENT OF CURRENT	0.0017	A/C
SHORT CIRCUIT CURRENT	4.85	A
STC	25	C
MAX. AMBIENT TEMP.	40	C
CHANGE IN TEMP.	15	C
WORST CASE VAULE OF EXPECTED STRING CURRENT:	4.87	AMPS
SUB-ARRAY 3 (APPLIES TO THE 18 - SANYO HIP 195 DA3 ARRAY)		
THREE SERIES STRINGS JOIN TO BE PARALLEL AT THE SOLARLOK COMBINER BOX		
TEMP. COEFFICIENT OF VOLTAGE	-0.192	V/C
OPEN CIRCUIT VOLTAGE	69.5	V
STC	25	C
LOWEST AMB. TEMP.	-31.11	C
CHANGE IN TEMP.	56.11	C
WORST CASE VAULE OF EXPECTED STRING VOLTAGE:	481.6	VOLTS
TEMP. COEFFICIENT OF VOLTAGE WILL BE THE SAME FOR ALL 3 SUB ARRAYS		
TEMP. COEFFICIENT OF CURRENT	0.0017	A/C
SHORT CIRCUIT CURRENT	4.85	A
STC	25	C
MAX. AMBIENT TEMP.	40	C
CHANGE IN TEMP.	15	C
WORST CASE VAULE OF EXPECTED STRING CURRENT:	4.87	AMPS

CALCULATIONS BELOW APPLY TO SUB - ARRAYS 1 AND 2		
SUB - ARRAYS 1 AND 2 CONSIST OF 12 SANYO HIP 195 DA3 MODULES		
PHOTOVOLTAIC POWER SYSTEM DESIGN NARRATIVE		
SEE SHEET E-106		
SUB-ARRAY 1 CONSISTS OF 12 SANYO HIP 195 DA3 MODULES, WHICH ARE MOUNTED ON TWO TRAILERS OF SIX MODULES EACH. EACH TRAILER WILL HAVE A SEPARATE SERIES STRING OF 6 MODULES PER STRING. THE SERIES CONNECTION ON BOTH TRAILERS WILL TAKE PLACE ALONGSIDE THE MODULES ON THE OUTER PERIMETER CANOPY FRAMING.		
TRAILER 1 AND 2		
EACH TRAILER CONSISTS OF FOUR VERTICAL FRAMING CHANNELS. WE WILL UTILIZE TWO OF THESE VERTICAL FRAMING CHANNELS TO SEND THE POSITIVE CONDUCTOR DOWN ONE AND THE NEGATIVE CONDUCTOR DOWN THE OTHER THROUGH 1/2" EMT. THE 1/2" EMT WILL TERMINATE AT A METAL PULL BOX WHERE THE INDIVIDUAL CONDUCTORS AND CONDUIT WILL JOIN INTO ONE 3/4" EMT AND THEN 3/4" LFMC WHERE CONDUIT AND CONDUCTORS CROSS UNDER TRAILERS. THIS CONDUIT RUN WILL TERMINATE AT A JUNCTION BOX WHERE A PARALLEL CONNECTION WILL BE MADE AT TWO MC3 BRANCH CONNECTORS. FROM THE BRANCH CONNECTORS TWO 10 AWG USE-2/RHW-2 CONDUCTORS AND ONE 6 AWG GROUND CONDUCTOR WILL BE HOUSED IN 3/4" LFMC AND TERMINATE AT THE INVERTER.		
SUB-ARRAY 2 APPROXIMATELY THE SAME AS SUB-ARRAY 1		
DC CALCULATIONS		
PV MODULES TO JUNCTION BOX:		
CONDUCTOR SIZING		
SUB-ARRAY 1 AND 2		
PER MODULE CALCULATION: [NEC 210.19(A)(1), 215.2(A)(1), 690.8] ISC WITH TEMP. COEFFICIENT OF CURRENT 4.875 A 156% OF ISC WITH TEMP. COEFFICIENT 7.6 A CABLE AMPACITY REQUIRED 7.6 A		
[NEC 310.16] USE-2 / RHW-2 CORRECTION FACTOR USED: 0.58 10 AWG AT 90C: AMPACITY IN CONDUIT AT 65C 23.2 A CONDUCTOR CHOSEN FOR THIS RUN: 10 AWG		
CONDUIT SIZING: TRAILER 1 AND TRAILER 2 (ALSO APPLIES TO TRAILER 3 AND 4 OF SUB-ARRAY 2)		
CONDUIT 1 WILL BEGIN AT THE TOP OF TRAILER 1 AND TERMINATE AT THE BOTTOM OF THE CHANNEL (1) 10 AWG USE-2/RHW-2 CONDUCTOR (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR		
CONDUIT 2 WILL BEGIN AT THE TOP OF TRAILER 1 AND TERMINATE AT THE BOTTOM OF THE CHANNEL (1) 10 AWG USE-2/RHW-2 CONDUCTOR		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (1) 10 AWG USE-2 / RHW- 2 APPROX. AREA 0.0437 WIRE SIZE AND TYPE (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.094 [NEC CHAPTER 9 TABLE 4] 1/2" EMT 0.094 AREA WITH 2 WIRES AT 31% [NEC ANNEX C TABLE C.1] MAX. NUMBER OF CONDUCTORS IN 1/2" EMT 10 AWG CONDUCTOR IN 1/2" EMT: 2 CONDUCTOR FILL CAPACITY CONDUIT CHOSEN FOR THIS RUN: 1/2" EMT		
FROM THE PULL BOX UNDERNEATH THE TRAILER COLUMN, THE CONDUCTORS WILL JOIN INTO 3/4" EMT AND TERMINATE AT THE JUNCTION BOX		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (2) 10 AWG USE-2 / RHW- 2 APPROX. AREA 0.0437 X 2 = 0.0874 WIRE SIZE AND TYPE (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.1381 [NEC CHAPTER 9 TABLE 4] 3/4" EMT 0.213 OVER 2 WIRES 40% [NEC ANNEX C TABLE C.1] MAX. NUMBER OF CONDUCTORS IN 3/4" EMT 10 AWG CONDUCTOR IN 3/4" EMT: 5 CONDUCTOR FILL CAPACITY CONDUIT CHOSEN FOR THIS RUN: 3/4" EMT		
JUNCTION BOX:		
TWO SERIES STRINGS WITH SIX PANELS PER STRING WILL JOIN TO BE PARALLEL AT TWO MC3 BRANCH CONNECTORS		
MULTICONTACT PV BRANCH PLUG FEMALE MC3 TYPE / MALE MC3 TYPE		
MAX. CURRENT 30 A INPUT MODULE CABLE AMPACITY 7.6 A PARALLEL CABLE AMPACITY (7.6 A X TWO PARALLEL STRINGS) 15.2 A		
JUNCTION BOX TO INVERTERS:		
TWO 10 AWG USE-2 CONDUCTORS AND ONE 6 AWG GROUND CONDUCTOR HOUSED IN 3/4" LFMC WILL TRAVEL FROM THE JUNCTION BOX TO THE INVERTER UNDERNEATH THE TRAILER		
CONDUCTOR SIZING		
CABLE AMPACITY REQUIRED 15.2 A [NEC 310.16] USE-2 / RHW-2 CORRECTION FACTOR USED: 0.58 10 AWG AT 90C: AMPACITY IN CONDUIT AT 65 C 23.2 A CONDUCTOR CHOSEN FOR THIS RUN: 10 AWG		
CONDUIT SIZING		
CONDUIT 1 WILL BEGIN AT THE JUNCTION BOX AND TERMINATE AT THE INVERTER (2) 10 AWG USE- 2 / RHW- 2 (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (2) 10 AWG USE-2 / RHW- 2 APPROX. AREA 0.0437 X 2 = 0.0874 WIRE SIZE AND TYPE (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.138 [NEC CHAPTER 9 TABLE 4] 3/4" EMT 0.213 OVER 2 WIRES AT 40% [NEC ANNEX C TABLE C.1] MAX. NUMBER OF CONDUCTORS IN 3/4" LFMC 10 AWG CONDUCTOR IN 3/4" LFMC: 5 CONDUCTOR FILL CAPACITY CONDUIT CHOSEN FOR THIS RUN: 3/4" LFMC		

AC CALCULATIONS		
INVERTER CALCULATIONS: KACO 2502XI INVERTER		
SUB-ARRAY 1 AND 2 (APPLIES TO BOTH 12 - SANYO HIP 195 DA3 ARRAYS)		
INVERTER INPUT: DC DISCONNECT- MAX. DC INPUT ISC CURRENT 21.45 A INPUT CURRENT FROM SUB-ARRAY TO INVERTER 15.2 A MAX. DC INPUT VOLTAGE 550 V INPUT VOLTAGE FROM SUB-ARRAY TO INVERTER 481.6 V		
INVERTER TO MAIN LOAD PANEL:		
CONDUCTOR SIZING		
INVERTER OUTPUT: MAX. CONTINUOUS CURRENT 12 A MAX. OVER-CURRENT PROTECTION 20 A CABLE AMPACITY REQUIRED 20 A		
[NEC 310.16] THHW / THWN-2 CORRECTION FACTOR USED: 0.58 10 AWG AT 75C: AMPACITY IN CONDUIT AT 60C 20.3 CONDUCTOR CHOSEN FOR THIS RUN: 10 AWG		
CONDUIT SIZING		
CONDUIT WILL BEGIN AT THE INVERTER AND TERMINATE MAIN PANELBOARD (SEE E-107) (3) 10 AWG THHN/THWN-2 (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (3) 10 AWG THHN/THWN-2 APPROX. AREA 0.0211 X 3 = 0.0633 WIRE SIZE AND TYPE (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.114 [NEC CHAPTER 9 TABLE 4] 3/4" LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC) OVER 2 WIRES AT 40% 0.216 [NEC ANNEX C TABLE C.7] MAX. NUMBER OF CONDUCTORS IN 3/4" LFMC 10 AWG CONDUCTOR IN 3/4" LFMC: 5 CONDUCTOR FILL CAPACITY CONDUIT CHOSEN FOR THIS RUN: 3/4" LFMC		
MAIN LOAD PANEL:		
BREAKER SIZING SUB-ARRAY 1 AND 2 (APPLIES TO BOTH KACO 2502XI INVERTERS)		
INVERTER OUTPUT: MAX. CONTINUOUS CURRENT 12 A MAX. OVER-CURRENT PROTECTION 20 A		
WE WILL EMPLOY AT 20 A BREAKER IN OUR MAIN LOAD PANEL		
CALCULATION BELOW APPLY TO SUB - ARRAY 3		
SUB - ARRAY 3 CONSISTS OF 18 SANYO HIP 195 DA3 MODULES		
SUB-ARRAY 3		
CONSISTS OF 18 SANYO HIP 195 DA3 MODULES, WHICH IS COMPRISED OF THREE TRAILERS OF SIX MODULES EACH. EACH TRAILER WILL HAVE A SEPARATE SERIES STRING OF SIX MODULES PER STRING. THE SERIES CONNECTION ON BOTH TRAILERS WILL TAKE PLACE ALONGSIDE THE MODULES ON THE OUTER PERIMETER CANOPY FRAMING.		
TRAILER 5, TRAILER 6, TRAILER 7		
EACH TRAILER CONSISTS OF FOUR VERTICAL FRAMING CHANNELS. WE WILL UTILIZE TWO OF THESE VERTICAL FRAMING CHANNELS TO SEND THE POSITIVE CONDUCTOR DOWN ONE AND THE NEGATIVE CONDUCTOR DOWN THE OTHER THROUGH 1/2" EMT. THE 1/2" EMT WILL TERMINATE AT A METAL PULL BOX WHERE THESE INDIVIDUAL CONDUIT AND CONDUCTORS WILL JOIN INTO ONE 3/4" EMT AND THEN 3/4" LFMC WHEN CONDUIT AND CONDUCTORS HAVE TO CROSS UNDER TRAILERS (E-107). THIS ROUTE TERMINATES AT A JUNCTION BOX. FROM THE JUNCTION BOX CONDUCTORS IN 3/4" EMT WILL TERMINATE AT THE SOLARLOK COMBINER BOX WHERE A PARALLEL CONNECTION WILL BE MADE.		
DC CALCULATIONS		
PV MODULES TO COMBINER BOX:		
CONDUCTOR SIZING		
SUB-ARRAY 3 (APPLIES TO THE 18 - SANYO HIP 195 DA3 ARRAY)		
PER MODULE CALCULATION: [NEC 210.19(A)(1), 215.2(A)(1), 690.8] ISC WITH TEMP. COEFFICIENT OF CURRENT 4.875 A 156% OF ISC WITH TEMP. COEFFICIENT 7.6 A CABLE AMPACITY REQUIRED 7.6 A		
[NEC 310.16] USE-2 / RHW-2 CORRECTION FACTOR USED: 0.58 10 AWG AT 90C: AMPACITY IN CONDUIT AT 65C 23.2 A CONDUCTOR CHOSEN FOR THIS RUN: 10 AWG		
CONDUIT SIZING		
CONDUIT 1 WILL BEGIN AT THE TOP OF TRAILER 1 AND TERMINATE AT THE BOTTOM OF THE CHANNEL IN A METAL PULL BOX (1) 10 AWG USE-2/RHW-2 CONDUCTOR (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR		
CONDUIT 2 WILL BEGIN AT THE TOP OF TRAILER 1 AND TERMINATE AT THE BOTTOM OF THE CHANNEL IN A METAL PULL BOX (1) 10 AWG USE-2/RHW-2 CONDUCTOR		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (1) 10 AWG USE-2 / RHW- 2 APPROX. AREA 0.0437 WIRE SIZE AND TYPE (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.094 [NEC CHAPTER 9 TABLE 4] 1/2" EMT 0.094 AREA WITH 2 WIRES AT 31% [NEC ANNEX C TABLE C.1] MAX. NUMBER OF CONDUCTORS IN 1/2" EMT 10 AWG CONDUCTOR IN 1/2" EMT: 2 CONDUCTOR FILL CAPACITY CONDUIT CHOSEN FOR THIS RUN: 1/2" EMT		
FROM THE METAL PULL BOX, CONDUCTORS WILL TRAVEL IN 3/4" EMT AND 3/4" LFMC WHEN CONDUIT AND CONDUCTORS TRAVEL UNDER TRAILERS.		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (2) 10 AWG USE-2 / RHW- 2 APPROX. AREA 0.0437 X 2 = 0.0874 WIRE SIZE AND TYPE (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.1381 [NEC CHAPTER 9 TABLE 4] 3/4" EMT 0.213 OVER 2 WIRES 40% [NEC ANNEX C TABLE C.1] MAX. NUMBER OF CONDUCTORS IN 3/4" EMT 10 AWG CONDUCTOR IN 3/4" EMT: 5 CONDUCTOR FILL CAPACITY CONDUIT CHOSEN FOR THIS RUN: 3/4" EMT AND 3/4" LFMC		

COMBINER BOX		
SUB-ARRAY 3 (APPLIES TO THE 18 - SANYO HIP 195 DA3 ARRAY)		
THREE SERIES STRINGS WITH SIX PANELS IN SERIES PER STRING WILL JOIN TO BE PARALLEL IN A UL 1741-LISTED, NEMA TYPE 3 ENCLOSURE, PRE-WIRED SOLARLOK COMBINER BOX. THE COMBINER BOX WILL BE LOCATED INSIDE THE OUTDOOR KITCHEN MECHANICAL CLOSET (SEE SHEET E-301).		
CB MAX. CURRENT INPUT		15 A
INPUT CABLE AMPACITY (3 SEPARATE STRINGS)		7.6 A
CB MAX. VOLTAGE INPUT		600 V
INPUT MAX. VOLTAGE (3 SEPARATE STRINGS)		481.6 V
FUSE SIZING		
CALCULATIONS APPLY TO STRING 1, 2, AND 3: 6 SANYO HIP 195 DA3		
SERIES STRING MAX CURRENT (ISC WITH TEMP. COEF.)	7.6 A	
NEC REQUIRES ALL FUSES SIZED 1.56 X ISC OF PV MODULE	11.86 A	
MIDGET 5 AG FUSE (600 VOLT RATING)		15 A
COMBINER BOX TO INVERTERS:		
CONDUCTOR SIZING		
CABLE AMPACITY REQUIRED (7.6 A X 3) 22.8 A		
[NEC 310.16] THHW/THWN-2 CORRECTION FACTOR USED: 0.58 8 AWG AT 75C: AMPACITY IN CONDUIT AT 60 C 29 A CONDUCTOR CHOSEN FOR THIS RUN: 8 AWG		
CONDUIT SIZING		
CONDUIT (1) WILL BEGIN AT THE COMBINER BOX AND TERMINATE AT THE INVERTER (2) 8 AWG THHN/THWN-2 CONDUCTORS (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (2) 8 AWG THHN/THWN-2 APPROX. AREA 0.0366 X 2 = 0.0732 WIRE SIZE AND TYPE (1) 6 AWG GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.0956 [NEC CHAPTER 9 TABLE 4] 3/4" EMT OVER 2 WIRES AT 40% 0.213 [NEC ANNEX C TABLE C.1] MAX. NUMBER OF CONDUCTORS IN 3/4" EMT 8 AWG CONDUCTOR IN 3/4" EMT: 6 CONDUCTOR FILL CAPACITY CONDUCTOR CHOSEN FOR THIS RUN: 3/4" EMT		
AC CALCULATIONS		
INVERTER CALCULATIONS: KACO 5002XI INVERTER		
SUB-ARRAY 3 (APPLIES TO THE 18 - SANYO HIP 195 DA3 ARRAY)		
INVERTER INPUT: DC DISCONNECT- MAX. DC INPUT ISC CURRENT 40 A INPUT CURRENT FROM SUB-ARRAY TO INVERTER 23.3 A MAX. DC INPUT VOLTAGE 600 V INPUT VOLTAGE FROM SUB-ARRAYS TO INVERTER 481.6 V		
INVERTER TO MAIN PANEL:		
CONDUCTOR SIZING		
SUB-ARRAY 3 (APPLIES TO THE KACO 5002XI INVERTER)		
INVERTER OUTPUT: MAX. CONTINUOUS CURRENT 24 A MAX. OVER-CURRENT PROTECTION 30 A CABLE AMPACITY REQUIRED 30 A		
[NEC 310.16] THHW / THWN-2 CORRECTION FACTOR USED 0.58 6 AWG AT 75C: AMPACITY IN CONDUIT AT 40C 37.7 A CONDUCTOR CHOSEN FOR THIS RUN: 6 AWG		
CONDUIT SIZING		
CONDUIT (1) WILL BEGIN AT THE KACO 5002XI INVERTER TERMINATE AT THE MAIN PANELBOARD (SEE E-107) (3) 6 AWG THHN/THWN-2 CONDUCTORS (1) 6 AWG GROUND CONDUCTOR		
[NEC CHAPTER 9 TABLE 5] WIRE SIZE AND TYPE (3) 6 AWG THHW / THWN-2 APPROX. AREA 0.0507 X 3 = 0.1521 WIRE SIZE AND TYPE (1) 6 AWG THHN/THWN-2 GROUND CONDUCTOR APPROX. AREA 0.0507 TOTAL 0.201 [NEC CHAPTER 9 TABLE 1] 3/4" EMT OVER 2 WIRES AT 40% 0.213 [NEC ANNEX C TABLE C.1] MAX. NUMBER OF CONDUCTORS OR FIXTURE WIRES IN EMT 6 AWG CONDUCTOR IN 3/4" FMC: 4 CONDUCTOR FILL CAPACITY CONDUIT CHOSEN FOR THIS RUN: 3/4" EMT		
INVERTER TO MAIN PANEL:		
BREAKER SIZING SUB-ARRAY 3 (APPLIES TO KACO 5002XI INVERTER)		
INVERTER OUTPUT MAX. CONTINUOUS CURRENT 24 A MAX. OVER-CURRENT PROTECTION 30 A		
WE WILL EMPLOY AT 30 A BREAKER IN OUR MAIN LOAD PANEL LOCATION OF BREAKERS SHALL COMPLY WITH NEC 690.64(B)(7)		
NEC 690.64 (B)(7) BUS OR CONDUCTOR RATING		
OUR MAIN PANEL IS RATED AT 200 AMPS WITH AN 150 AMP MAIN BREAKER		
CIRCUIT BREAKER 1 (SUB-ARRAY 1) + CIRCUIT BREAKER 2 (SUB-ARRAY 2) + CIRCUIT BREAKER 3 (SUB-ARRAY 3) + CIRCUIT BREAKER (MAIN) ≤ 120% X BUSS BAR 20 + 20 + 30 + 150 ≤ 1.20 X 200 A		
220 A ≤ 240 A		
THEREFORE 70 AMP SUM OF PV OVERCURRENT DEVICES IS ACCEPTABLE ON A 200 AMP PANEL WITH AN 150 AMP MAIN BREAKER.		

GENERAL SHEET NOTES

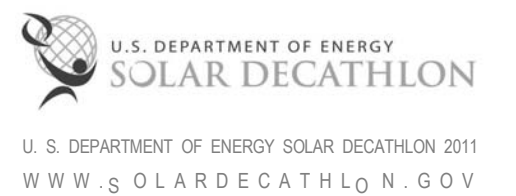
- ALL PV SYSTEMS WILL BE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH THE 2008 NATIONAL ELECTRICAL CODE (NEC) AND THE 2011 SD RULES AND REGULATIONS.
- NEC 690.8 PHOTOVOLTAIC SYSTEM CONDUCTORS SHALL BE CONSIDERED TO BE CONTINUOUS.
- PHOTOVOLTAIC SOURCE CIRCUITS AND PHOTOVOLTAIC OUTPUT CIRCUITS SHALL NOT BE CONTAINED IN THE SAME RACEWAY, CABLE TRAY, CABLE, OUTLET BOX, JUNCTION BOX, OR SIMILAR FITTING AS FEEDERS OR BRANCH CIRCUITS OF OTHER SYSTEMS, UNLESS THOSE SYSTEMS ARE SEPARATED BY A PARTITION OR ARE CONNECTED TOGETHER.
- NEC 690.31 PHOTOVOLTAIC SOURCE AND OUTPUT CIRCUITS SHALL BE CONTAINED IN METAL RACEWAYS, OR METAL ENCLOSURES, FROM THE POINT OF PENETRATION OF THE SURFACE OF THE BUILDING OR STRUCTURE TO THE FIRST READILY ACCESSIBLE DISCONNECTING MEANS.
- ARRAY EQUIPMENT GROUNDING CONDUCTORS SHALL COMPLY WITH NEC 690.46. EQUIPMENT GROUNDING CONDUCTORS FOR PHOTOVOLTAIC MODULES SMALLER THAN 6 AWG SHALL COMPLY WITH 250.120(C).
- NEC 690.5 GROUND FAULT PROTECTION REQUIRED. KACO 2502XI AND 5002XI HAS INTEGRATED GROUND FAULT DETECTOR INTERRUPTER (GFDI)

SEALS:



Elm Engineering Inc.
212 South Tryon Street
Suite 1375
Charlotte, NC 28281
Tel 704.335.0396
Fax 704.335.0399
www.elmegr.com

CLIENT:



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REFERENCE KEYNOTES

SHEET KEYNOTES

SHEET TITLE:
PV DESIGN CHOICE SUMMARY

SHEET NUMBER:

E-601



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:



elm
SUSTAINABILITY
COMMISSIONING
ENGINEERING
Eln Engineering Inc.
212 South Tryon Street
Suite 1375
Charlotte, NC 28281
Tel 704.335.0396
Fax 704.335.0399
www.elmengr.com

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GENERAL SHEET NOTES

- GROUNDING ELECTRODE SYSTEM SHALL COMPLY WITH IRC E3608.1.4 ROD AND PIPE ELECTRODES. ROD AND PIPE ELECTRODES NOT LESS THAN 8 FEET (2438 MM) IN LENGTH AND CONSISTING OF THE FOLLOWING MATERIALS SHALL BE CONSIDERED AS A GROUNDING ELECTRODE: GROUNDING ELECTRODES OF RODS OF STAINLESS STEEL AND COPPER OR ZINC-COATED STEEL SHALL BE AT LEAST 5/8 INCH (15.9 MM) IN DIAMETER. STAINLESS STEEL RODS LESS THAN 5/8 INCH (15.9 MM) IN DIAMETER, NONFERROUS RODS OR THEIR EQUIVALENT SHALL BE LISTED AND SHALL BE NOT LESS THAN 1/2 INCH (12.7 MM) IN DIAMETER.

ELECTRICAL SYMBOLS

- RECEPTACLE
- 240 VOLT RECEPTACLE
- LINEAR FL STRIP LIGHT
- LED STRIP LIGHTS - COVE
- LED STRIP LIGHTS
- FL FLOODLIGHT
- LED PUCK LIGHTS
- TRANSFORMER
- SMOKE ALARM
- EXHAUST FAN
- WATER PUMP
- INSTANT WATER HEATER
- PHOTOVOLTAIC PANEL
- MC3 BRANCH CONNECTOR
- FUSE
- DISCONNECT

WIRE SIZE LEGEND

- 1/0 ALUMINUM SE GROUNDING CONDUCTOR
- 1/0 ALUMINUM SE POWER CABLE
- 4/0 ALUMINUM SE POWER CABLE

REFERENCE KEYNOTES

- 26 24 16 A1 MAIN PANELBOARD
- 26 24 16 A2 SUB-PANELBOARD
- 48 19 16 A1 2500 WATT INVERTER
- 48 19 16 A2 5000 WATT INVERTER

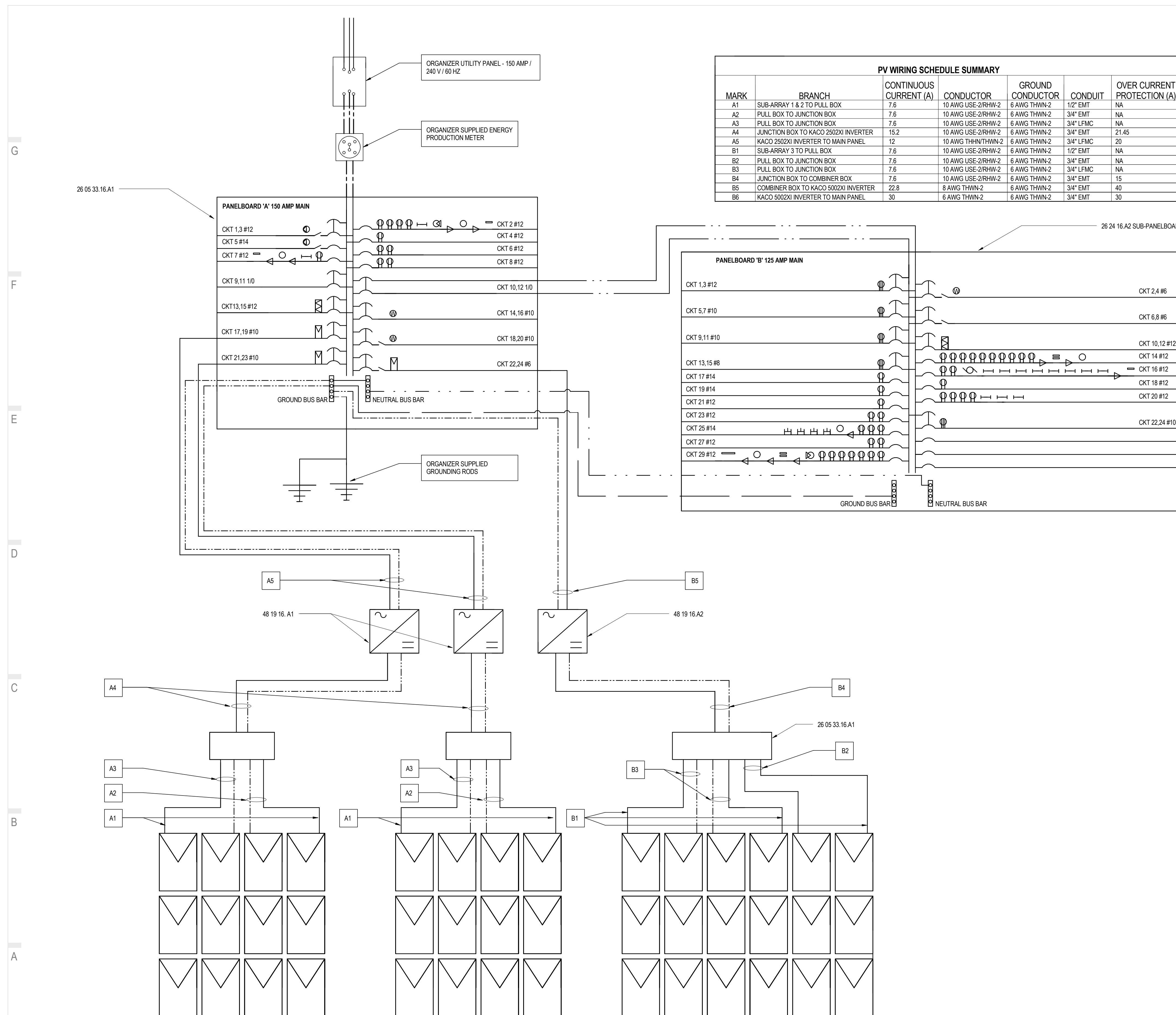
SHEET KEYNOTES

SHEET TITLE:
ONE LINE DIAGRAM

SHEET NUMBER:

E-602

MARK	BRANCH	CONTINUOUS CURRENT (A)	CONDUCTOR	GROUND CONDUCTOR	CONDUIT	OVER CURRENT PROTECTION (A)
A1	SUB-ARRAY 1 & 2 TO PULL BOX	7.6	10 AWG USE-2RHW-2	6 AWG THWN-2	1/2" EMT	NA
A2	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2RHW-2	6 AWG THWN-2	3/4" EMT	NA
A3	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2RHW-2	6 AWG THWN-2	3/4" LFMC	NA
A4	JUNCTION BOX TO KACO 2502XI INVERTER	15.2	10 AWG USE-2RHW-2	6 AWG THWN-2	3/4" EMT	21.45
A5	KACO 2502XI INVERTER TO MAIN PANEL	12	10 AWG THHN/THWN-2	6 AWG THWN-2	3/4" LFMC	20
B1	SUB-ARRAY 3 TO PULL BOX	7.6	10 AWG USE-2RHW-2	6 AWG THWN-2	1/2" EMT	NA
B2	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2RHW-2	6 AWG THWN-2	3/4" EMT	NA
B3	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2RHW-2	6 AWG THWN-2	3/4" LFMC	NA
B4	JUNCTION BOX TO COMBINER BOX	7.6	10 AWG USE-2RHW-2	6 AWG THWN-2	3/4" EMT	15
B5	COMBINER BOX TO KACO 5002XI INVERTER	22.8	8 AWG THWN-2	6 AWG THWN-2	3/4" EMT	40
B6	KACO 5002XI INVERTER TO MAIN PANEL	30	6 AWG THWN-2	6 AWG THWN-2	3/4" EMT	30



A1 ELECTRICAL ONE LINE DIAGRAM
NTS



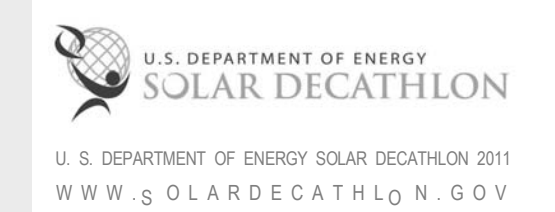
THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:



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MARK - DATE - DESCRIPTION

SHEET TITLE:
PV THREE LINE DIAGRAM &
SCHEDULE

SHEET NUMBER:

E-603

GENERAL SHEET NOTES

WIRE SIZE LEGEND

---	1/0 ALUMINUM SE GROUNDING CONDUCTOR
---	1/0 ALUMINUM SE POWER CABLE
---	4/0 ALUMINUM SE POWER CABLE

REFERENCE KEYNOTES

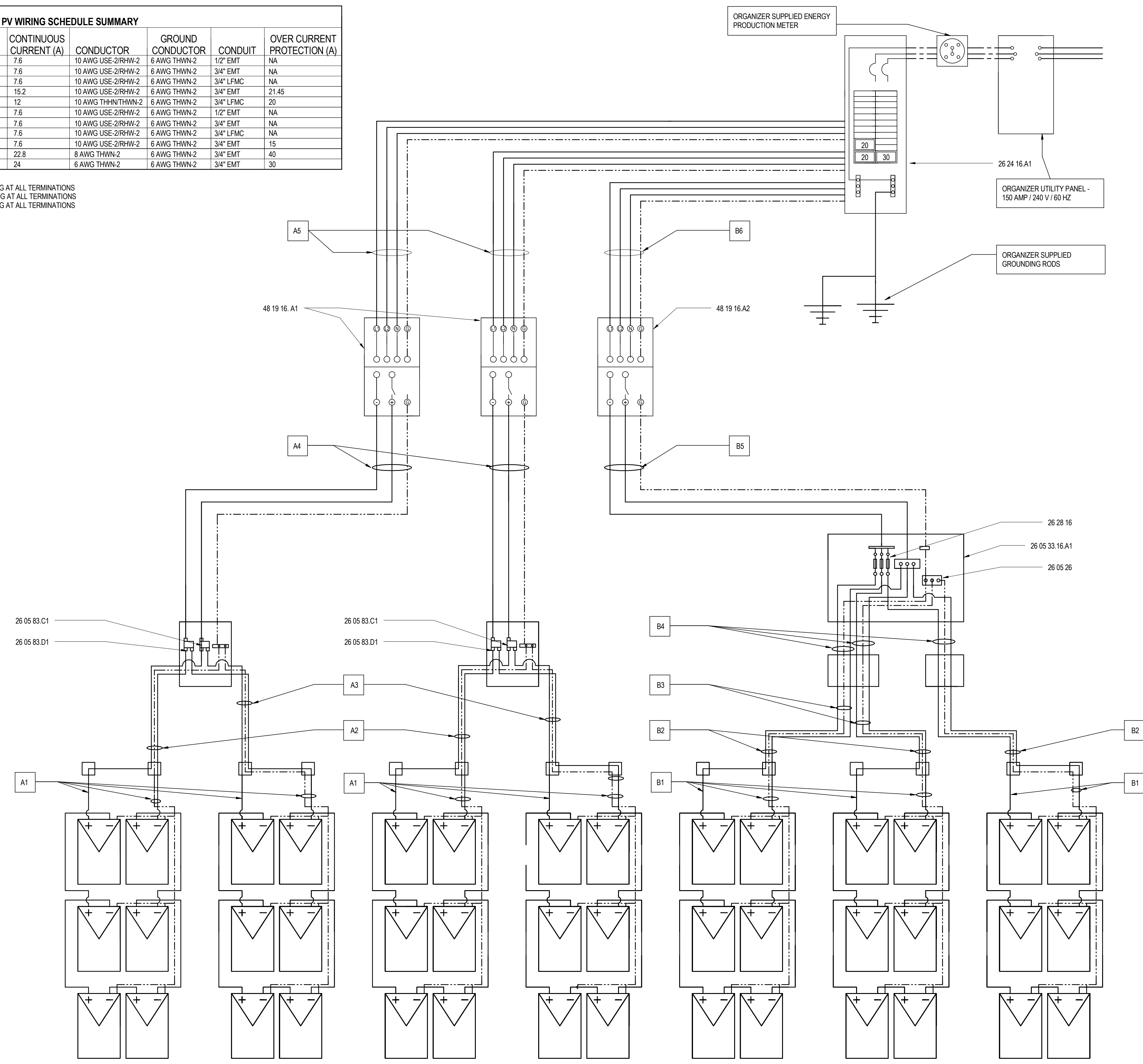
26 05 26	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
26 05 33.16.A1	COMBINER BOX
26 05 83.C1	BRANCH PLUG
26 05 83.D1	BRANCH SOCKET
26 24 16.A1	MAIN PANELBOARD
26 28 16	ENCLOSED SWITCHES AND CIRCUIT BREAKERS
48 19 16.A1	2500 WATT INVERTER
48 19 16.A2	5000 WATT INVERTER

SHEET KEYNOTES

PV WIRING SCHEDULE SUMMARY

MARK	BRANCH	CONTINUOUS CURRENT (A)	CONDUCTOR	GROUND CONDUCTOR	CONDUIT	OVER CURRENT PROTECTION (A)
A1	SUB-ARRAY 1 & 2 TO PULL BOX	7.6	10 AWG USE-2/RHW-2	6 AWG THWN-2	1/2" EMT	NA
A2	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2/RHW-2	6 AWG THWN-2	3/4" EMT	NA
A3	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2/RHW-2	6 AWG THWN-2	3/4" LPMC	NA
A4	JUNCTION BOX TO KACO 2502XI INVERTER	15.2	10 AWG USE-2/RHW-2	6 AWG THWN-2	3/4" EMT	21.45
A5	KACO 2502XI INVERTER TO MAIN PANEL	12	10 AWG THHN/THWN-2	6 AWG THWN-2	3/4" LPMC	20
B1	SUB-ARRAY 3 TO PULL BOX	7.6	10 AWG USE-2/RHW-2	6 AWG THWN-2	1/2" EMT	NA
B2	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2/RHW-2	6 AWG THWN-2	3/4" EMT	NA
B3	PULL BOX TO JUNCTION BOX	7.6	10 AWG USE-2/RHW-2	6 AWG THWN-2	3/4" LPMC	NA
B4	JUNCTION BOX TO COMBINER BOX	7.6	10 AWG USE-2/RHW-2	6 AWG THWN-2	3/4" EMT	15
B5	COMBINER BOX TO KACO 5002XI INVERTER	22.8	8 AWG THWN-2	6 AWG THWN-2	3/4" EMT	40
B6	KACO 5002XI INVERTER TO MAIN PANEL	24	6 AWG THWN-2	6 AWG THWN-2	3/4" EMT	30

CONDUCTOR COLOR CODES POSITIVE = BLACK MARKING AT ALL TERMINATIONS
NEGATIVE = WHITE MARKING AT ALL TERMINATIONS
GROUND = GREEN MARKING AT ALL TERMINATIONS



A2 PV THREE LINE DIAGRAM
NTS

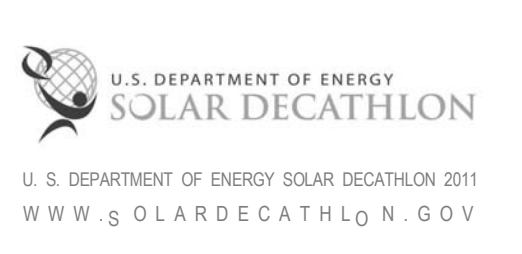


THE SOLAR HOMESTEAD
 APPALACHIAN STATE UNIVERSITY
 1100 EAST KING STREET
 BOONE, NC 28607
 PHONE: 828.262.8519
 SOLARHOMESTEAD@APPSTATE.EDU
 WWW.THESOLARHOMESTEAD.ORG

SEALS:



elm
 SUSTAINABILITY
 COMMISSIONING
 ENGINEERING
 Elm Engineering Inc.
 212 South Tryon Street
 Suite 1375
 Charlotte, NC 28281
 Tel 704.335.0396
 Fax 704.335.0399
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SHEET TITLE:
 PANELBOARD SCHEDULE

SHEET NUMBER:

E-604

GENERAL SHEET NOTES

- PERMANENTLY CONNECTED MOTOR-DRIVEN APPLIANCES OF MORE THAN 1/8 HORSEPOWER SHALL COMPLY WITH 422.32. THE SWITCH OR CIRCUIT BREAKER SHALL BE LOCATED WITHIN SIGHT FROM THE APPLIANCE.

REFERENCE KEYNOTES

SHEET KEYNOTES

PANELBOARD A																
200 A MAIN BUS RATING																
VOLTAGE: 120 /240 MOUNTING: SURFACE TYPE: EATON CUTLER HAMMER 150 A MAIN BREAKER																
BRANCH CIRCUIT			DEVICE				LOADS				DEVICE			BRANCH CIRCUIT		
LOAD	WIRE SIZE	VA	TRIP	POLE	CKT	1	2	CKT	POLE	TRIP	VA	WIRE SIZE	LOAD			
HOUSE WATER PUMP (JPF7A) **	12	2,530	15	2	1			2	1	20	797	12	FLEX LIGHT/RECEPTACLE*			
					3			4	1	20	1,500	12	FLEX BATH RECEPTACLE			
HOUSE WATER PUMP (JPF3A) **	14	863	10	1	5			6	1	20	1,500	12	KITCHEN OM RECEPTACLE			
KIT OM LIGHT/MECH LIGHT/RECEPTACLE *	12	50	20	1	7			8	1	20	1,500	12	KITCHEN OM RECEPTACLE			
MAIN HOUSE FEEDER					9			10	2	125	27,468	1/0	MAIN HOUSE FEEDER			
					11			12								
HVAC FLEX **	12	915	15	2	13			14	2	30	5,700	10	KITCHEN OM WATER HEATER			
					15			16								
PV SUB-ARRAY 1	10	2,880	20	2	17			18	2	30	5,700	10	FLEX OM WATER HEATER			
					19			20								
PV SUB-ARRAY 2	10	2,880	20	2	21			22	2	30	5,760	6	PV SUB-ARRAY 3			
					23			24								

NOTES: (*) PROVIDE ARC FAULT PROTECTION PER NEC. 22KA MIN. INTERRUPTING CAP. (RMS SYM. AMPS)
 (**) PROVIDE DISCONNECTING MEANS WITHIN SIGHT OF MOTOR-DRIVEN APPLIANCE.

PANELBOARD B																
150 A MAIN BUS RATING																
VOLTAGE: 120 /240 MOUNTING: SURFACE TYPE: SQUARE D																
BRANCH CIRCUIT			DEVICE				LOADS				DEVICE			BRANCH CIRCUIT		
LOAD	WIRE SIZE	VA	TRIP	POLE	CKT	1	2	CKT	POLE	TRIP	VA	WIRE SIZE	LOAD			
WASHER (3 PRONG PLUG)	12	2,300	20	2	1			2	2	60	24,000	6	HOUSE WATER HEATER **			
					3			4								
DRYER (4 PRONG PLUG)	10	2,800	30	2	5			6	2	60	24,000	6		HVAC **		
					7			8								
OVEN	10	5,800	30	2	9			10	2	20	2,980	12	BEDROOM LIGHT/RECEPTACLE*			
					11			12								
INDUCTION COOKTOP	8	7,400	40	2	13			14	1	20	1,935	12	CORE TRAILER LIGHT/RECEPT/WILOSTAR WTR PUMP*			
					15			16								
HOOD **	14	580	15	1	17			18	1	20	1,500	12	BATH RECEPTACLE			
DISHWASHER **	14	1,440	15	1	19			20	1	20	774	12	OM CLOSETS LIGHT/RECEPTACLE			
REFRIGERATOR	12	720	20	1	21			22	2	30	7,200	10	GENERAL PURPOSE RECEPTACLE (UPGRADE CAR CHARGER)			
KITCHEN RECEPTACLE	12	1,500	20	1	23			24								
KITCHEN LIGHT/SMOKE ALARM *	14	390	15	1	25			26					SPACE			
KITCHEN RECEPTACLE	12	1,500	20	1	27			28					SPACE			
DINING LIGHT/RECEPTACLE *	12	1,350	20	1	29			30					SPACE			

NOTES: (*) PROVIDE ARC FAULT PROTECTION PER NEC. 10KA MIN. INTERRUPTING CAP. (RMS SYM. AMPS)
 (**) PROVIDE DISCONNECTING MEANS WITHIN SIGHT OF MOTOR-DRIVEN APPLIANCE.

NEC 2008 220.82 FEEDER AND SERVICE LOAD CALCULATIONS MAIN SERVICE	NEC 2008 220.82 FEEDER AND SERVICE LOAD CALCULATIONS HOUSE SERVICE	NEC 220.61 FEEDER NEUTRAL LOAD
GENERAL LOAD	GENERAL LOAD	
HOUSE AREA 984 FT SQ X 3 VA 2,952 VA	HOUSE AREA 864 FT SQ X 3 VA 2,592 VA	984 FT SQ AT 3 VA 2,952 VA
APPLIANCE CIRCUIT 20-A (4) X 1500 VA EACH 6,000 VA	APPLIANCE CIRCUIT 20-A (2) X 1500 VA EACH 3,000 VA	FOUR 20-A CIRCUITS AT 1,500 VA 7,500 VA
LAUNDRY CIRCUIT 1,500 VA	LAUNDRY CIRCUIT 1,500 VA	TOTAL 10,452 VA
COOKTOP CIRCUIT 13,200 AT 65% (NEC 220.5) 8,580 VA	COOKTOP CIRCUIT 13,200 AT 65% (NEC 220.55) 8,580 VA	7,500 VA AT 100% 7,500 VA
CLOTHES DRYER 5,000 VA	CLOTHES DRYER 5,000 VA	10,452 VA - 7,500 VA = 2,952 VA AT 35% 1,033 VA
TOTAL 24,032 VA	TOTAL 20,672 VA	SUBTOTAL 8,533 VA
WATER HEATER HOUSE 24,000 VA	WATER HEATER HOUSE 24,000 VA	ONE 5.8 KVA OVEN PLUS ONE 7.4 KVA COOKING UNIT = 13.2 KVA.
WATER HEATER FLEX OM/OUTDOOR KITCHEN 11,400 VA	WATER PUMP SOLAR THERMAL 106 VA	TABLE 220.55 PERMITS 65% DEMAND FACTOR OR 13.2 KVA X 0.65 = 8.58 KVA FEEDER CAPACITY.
WATER PUMP FIRE SUPPRESSION (JPF7A) 2,530 VA	DISHWASHER 1,440 VA	SUBTOTAL FROM ABOVE 8,533 VA
WATER PUMP MAIN (JPF3A) 863 VA	TOTAL 25,546 VA	OVEN AND COOKING UNIT:
WATER PUMP SOLAR THERMAL 106 VA	SUBTOTAL GENERAL LOAD 46,218 VA	8,580 VA X 70% FOR NEUTRAL LOAD 6,006 VA
DISHWASHER 1,440 VA	FIRST 10KVA AT 100% 10,000 VA	CLOTHES DRYER: 5 KVA AT 70% 3,500 VA
TOTAL 40,339 VA	REMAINDER OF GENERAL LOAD 36,218 VA	DISHWASHER 1,440 VA
SUBTOTAL GENERAL LOAD 64,371 VA	TOTAL NET GENERAL LOAD 24,487 VA	TOTAL 10,946 VA
FIRST 10KVA AT 100% 10,000 VA	AT 40% 14,487 VA	CALCULATED LOAD FOR NEUTRAL 10,946 VA ÷ 240 V = 45.6 A
REMAINDER OF GENERAL LOAD 54,371 VA	TOTAL NET GENERAL LOAD 24,487 VA	
AT 40% 21,748 VA	HEAT PUMP AND SUPPLEMENTARY HEAT (THERE IS NO SUPPLEMENTAL HEAT)	
TOTAL NET GENERAL LOAD 31,748 VA	12.96 A (HOUSE UNIT) 230 V X 12.96 A = 2,981 VA	
HEAT PUMP AND SUPPLEMENTARY HEAT (THERE IS NO SUPPLEMENTAL HEAT)	TOTALS	
12.96 (HOUSE) + 3.97 (FLEX) = 16.93 X 230 V = 3,896 VA	NET GENERAL LOAD 24,487 VA	
TOTALS	HEAT PUMP 2,981 VA	
NET GENERAL LOAD 31,748 VA	TOTAL 27,468 VA	
HEAT PUMP 3,896 VA	CALCULATED LOAD FOR SERVICE 27.5 KVA X 1,000 ÷ 240 V = 115 A	
TOTAL 35,644 VA	THEREFORE, THIS DWELLING UNIT WOULD BE PERMITTED TO BE SERVED BY A 125-A SERVICE.	
CALCULATED LOAD FOR SERVICE 35.6 KVA X 1,000 ÷ 240 V = 148 A		
THEREFORE, THIS DWELLING UNIT WOULD BE PERMITTED TO BE SERVED BY A 150-A SERVICE.		



THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:



elm
SUSTAINABILITY
COMMISSIONING
ENGINEERING
Eln Engineering Inc.
212 South Tryon Street
Suite 1375
Charlotte, NC 28281
Tel 704.335.0396
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RELATED SCHEDULES

SHEET NUMBER:

E-605

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

LED DRIVER SCHEDULE

MARK	DESCRIPTION	MODEL	WATTAGE	TYPE
LD01	PUCK LIGHTS	EL-TMDRVR	60	DIMMER
LD02	PUCK LIGHTS	EL-TMDRVR	60	DIMMER
LD03	LIGHT STRIP	EL-TMDRVR	60	DIMMER
LD04	LIGHT STRIP	EL-TMDRVR	60	DIMMER
LD05	PUCK LIGHTS	EL-TMDRVR	60	DIMMER
LD06	LIGHT STRIP	EL-TMDRVR	60	DIMMER
LD07	LIGHT STRIP (COVE)	EL-TMDRVR	100	DIMMER
LD08	LIGHT STRIP (BTM)	EL-TMDRVR	60	DIMMER
LD09	PUCK LIGHTS	EL-TMDRVR	20	DIMMER
LD10	LIGHT STRIP	EL-12VDRVR	60	NON DIMMER
LD11	PUCK LIGHTS	EL-TMDRVR	60	NON DIMMER
LD12	LIGHT BAR	EL-TMDRVR	60	NON DIMMER
LD13	PUCK LIGHTS	EL-TMDRVR	60	DIMMER
LD14	LED STRIP	EL-12VDRVR	60	NON DIMMER
LD15	LED STRIP	EL-12VDRVR	60	NON DIMMER

LIGHTING SCHEDULE

MARK	TYPE	MANUF.	SUPPLIER	MODEL	WATTS	QTY.	AREA SERVED	FIXTURE	DRIVER
L1	24" LIN. FL. STRIP (3000K)	SYLVANIA	LOWES	22405	15	11	FLEX OM VANITY, CORE HALLWAY	METALLUX - SSF SERIES (3), BRANDI - BRAT5 -T DEC	N/A
L2	24" LIN. FL. STRIP (4100K)	GE	LOWES	64234	18	5	OMS, MECHANICAL CLOSETS	BRANDI - BRAT5 -TD EC	N/A
L3	18" LIN. FL. STRIP (3000K)	SYLVANIA	LOWES	21656	15	5	CORE HALLWAY, UTILITY CLOSET, LAUNDRY, BR CLOSETS	AMERICAN FLOURESCENT -S T115	N/A
L4	48" LIN. FL. STRIP (T8)	SYLVANIA	LOWES	22062	30	1	CORE SHOWER	BRANDI - BRAT5 -TD EC	N/A
L5	48" LIN. FL. STRIP (T5)	SYLVANIA	LOWES	20975	28	2	CORE BATHROOM VANITY	DELRAY - SW54128	N/A
L6	LED FLEXIBLE LIGHT STRIP	SUPER BRIGHT LEDES	SUPER BRIGHT LEDES	NFLS-VW300	95/FT		LIVING, HALLWAY, BEDROOM COVE, BATHROOM CEILING	N/A	EL - TMDRVR (4, 60W; 1,100W)
D1	LED PUCK LIGHT	ELEMENTAL LED	ELEMENTAL LED	EL-DIM3PKKT	3.6	32	KITCHEN, BAY WINDOW, KITCHEN OM, LIGHT WALLS	N/A	EL - TMDRVR (4, 60W; 1,20W)
EX1	FL. FLOODLIGHT	GE	LOWES	71776	26	7	OM ROOFS	HEV-LITE -H L438	N/A
EX2	24" LED LIGHT BAR	ELEMENTAL LED	ELEMENTAL LED	EL-BRTWPBAR	3.6	12	WITHIN SITE WALLS, FLEX VANITY LIGHT	N/A	EL - 12VDRVR (2, 60W)
EX3	WATERPROOF LED STRIP	LIGHTING EVER	LIGHTING EVER	3258-SMD-LED	4.8	15	WITHIN COLUMNS ON GREAT PORCH	N/A	EL - 12VDRVR (2, 60W)

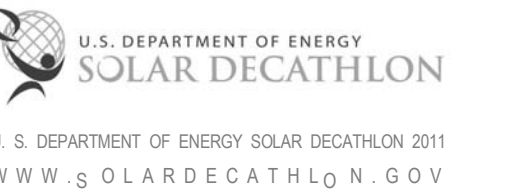


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APPALACHIAN STATE UNIVERSITY

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DRAWN BY: Author
CHECKED BY: Checker
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
GENERAL NOTES & CONTENTS

SHEET NUMBER:

Z-001

SHOP DRAWING SHEET LIST	
SHEET NO.	SHEET NAME
Z-001	GENERAL NOTES & CONTENTS
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Z-102	HOUSE TRAILER SHOP DRAWINGS 1
Z-103	HOUSE TRAILER SHOP DRAWINGS 2
Z-104	CORE HOUSE TRAILER SHOP DRAWINGS 1
Z-105	CORE HOUSE TRAILER SHOP DRAWINGS 2
Z-106	FLEX TRAILER SHOP DRAWINGS
Z-107	OM CANOPY SHOP DRAWINGS 1
Z-108	OM CANOPY SHOP DRAWINGS 2
Z-109	OM CANOPY SHOP DRAWINGS 3
Z-110	FLEX CANOPY SHOP DRAWINGS 1
Z-111	FLEX CANOPY SHOP DRAWINGS 2
Z-112	FLEX CANOPY SHOP DRAWINGS 3
Z-113	MANUFACTURER TRUSSES PLAN
Z-114	WALL PANEL SHOP DRAWINGS 1
Z-115	WALL PANEL SHOP DRAWINGS 2
Z-116	WALL PANEL SHOP DRAWINGS 3

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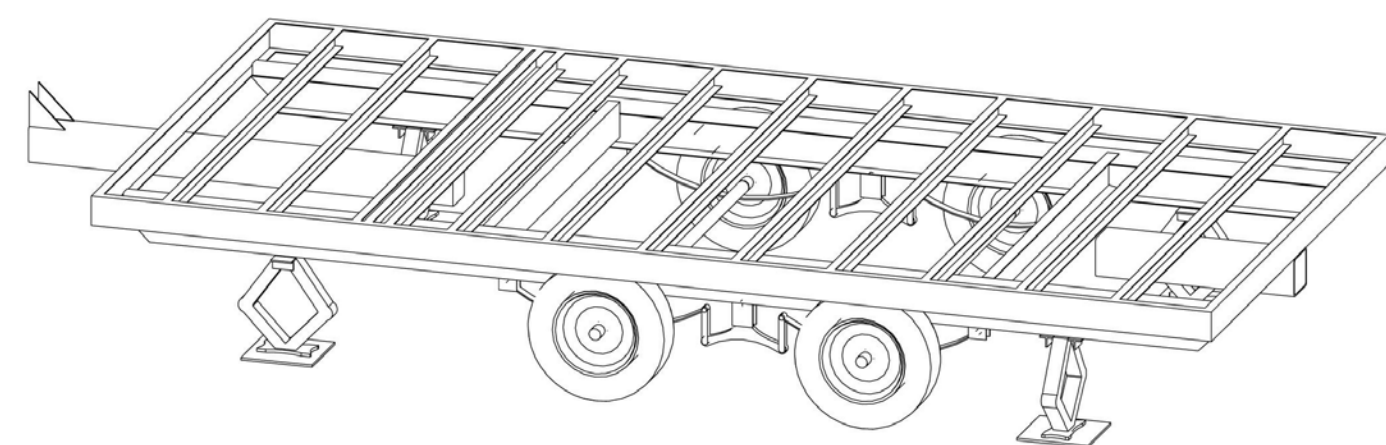
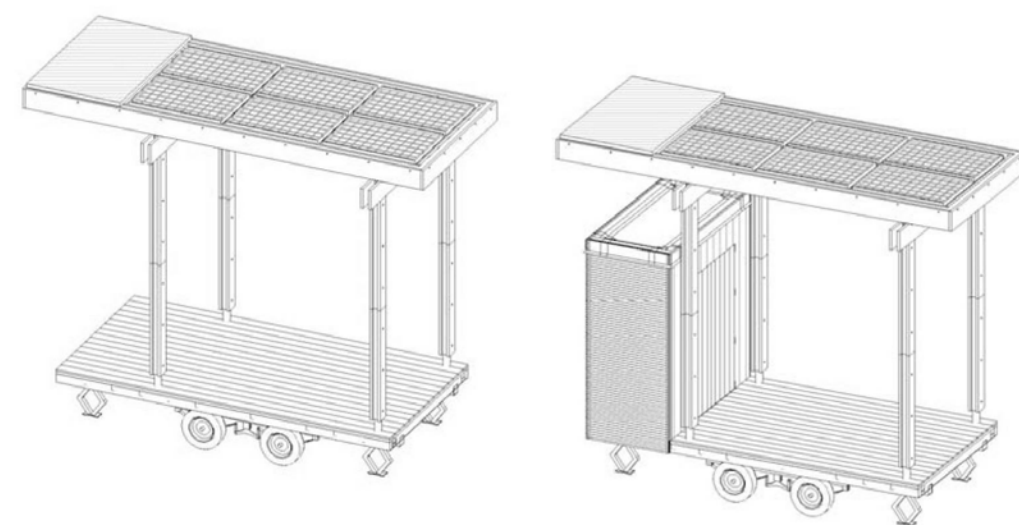
07

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APPALACHIAN STATE UNIVERSITY SOLAR HOMESTEAD OM TRAILERS

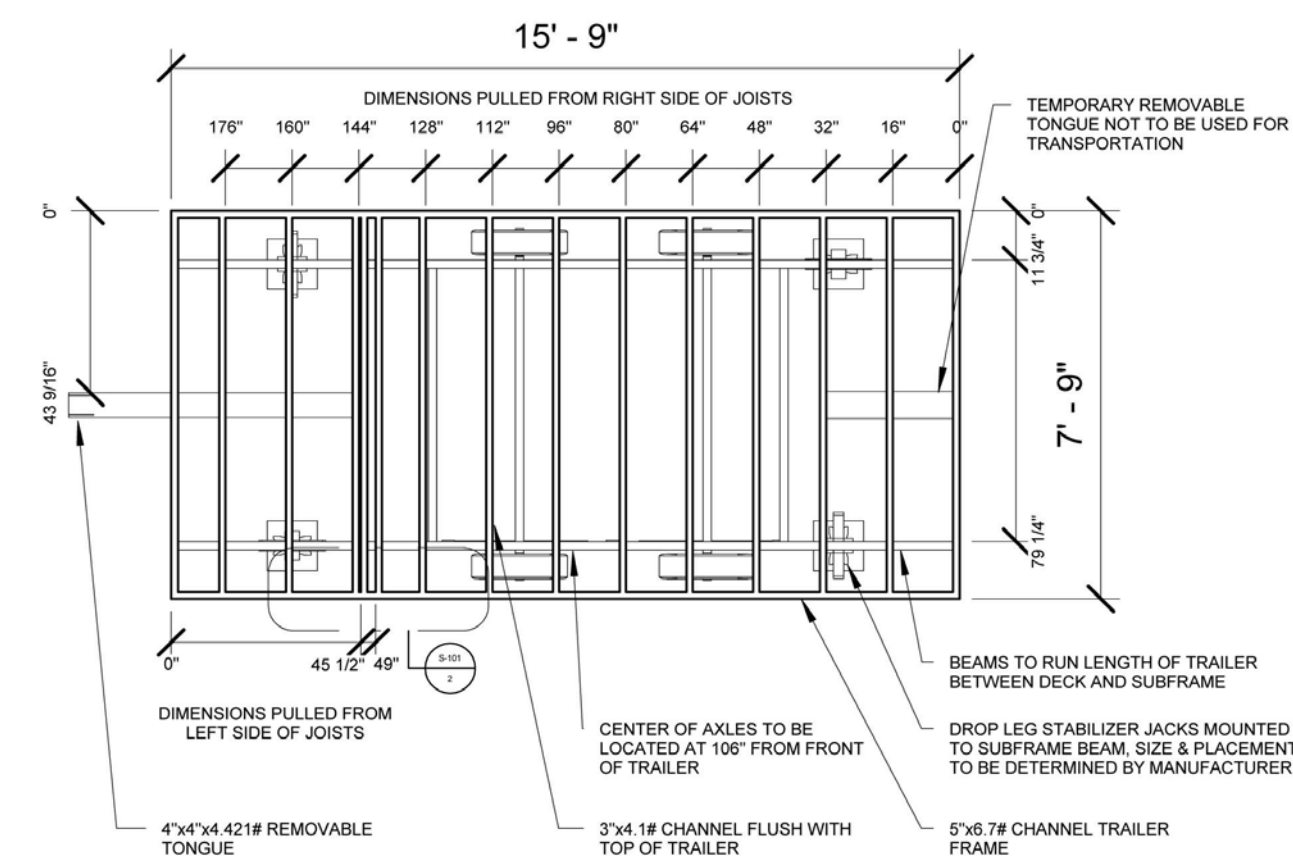


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S-101	TRAILER DECK PLAN
S-201	END VIEWS
S-202	SIDE VIEWS

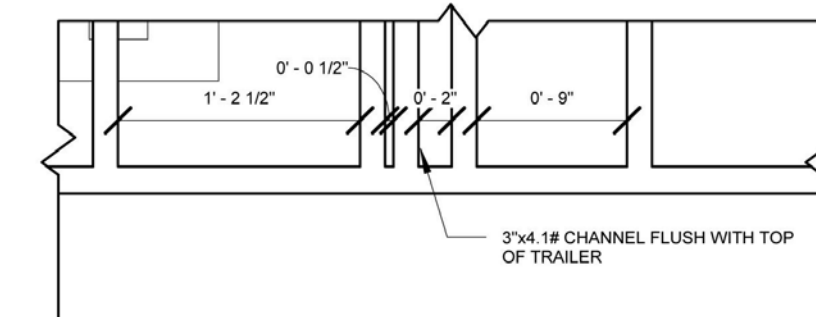
STEEL FRAME	
MAIN	TS2"x2"x3/16" ON CS2"x10.5#
DECK SIDE RAIL	C5" x 6.7#
DECK CROSS MEMBERS	C3" x 4.1#

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DRAWN BY: JA
COV
S-000
PORCH
TRAILERS
DATE:
18 APRIL 2011
SCALE: 1" = 10'-0"



1 TRAILER DECK PLAN
1/4" = 1'-0"

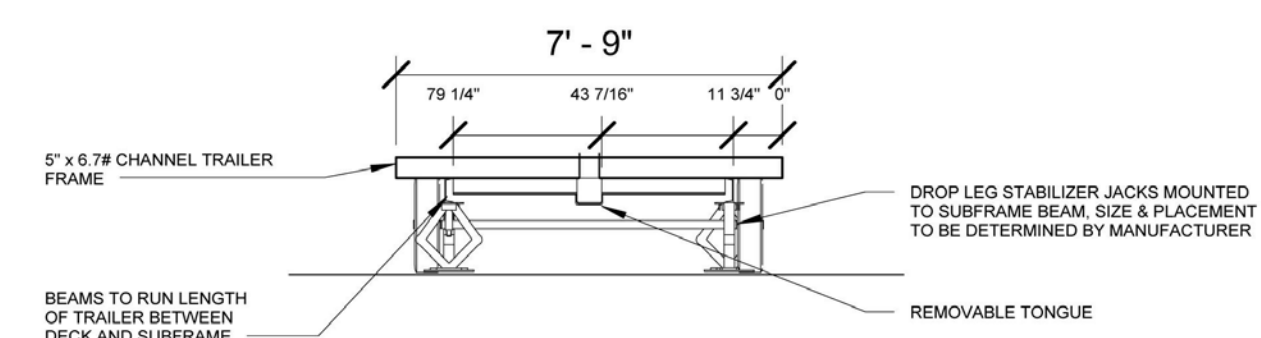


2 JOIST DETAIL
1" = 1'-0"

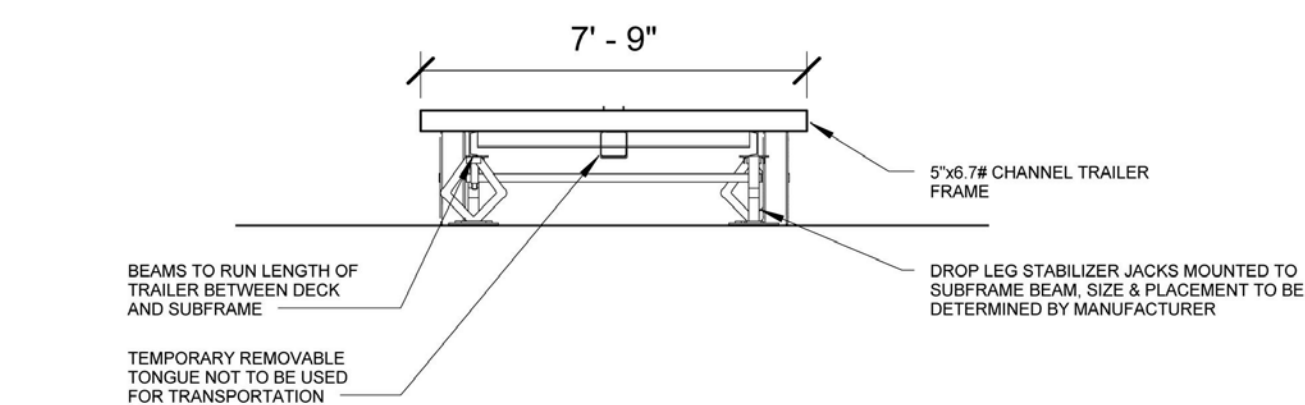
MANUFACTURERS NOTE
TRAILER DIAGONAL DIMENSION SHOULD
MEASURE 210 5/8"

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TRAILER DECK PLAN
S-101
PORCH
TRAILERS
DATE:
18 APRIL 2011
SCALE: As indicated



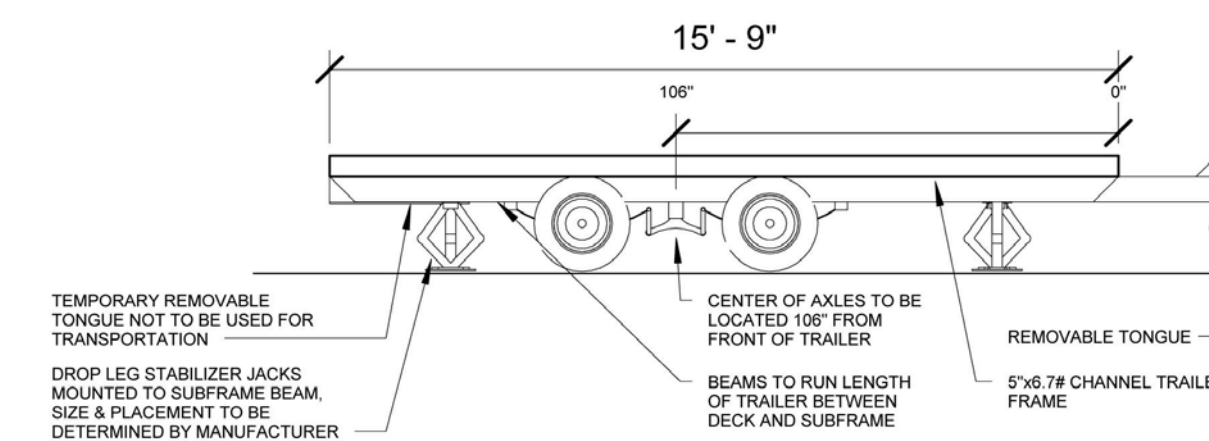
1 FRONT SIDE
1/4" = 1'-0"



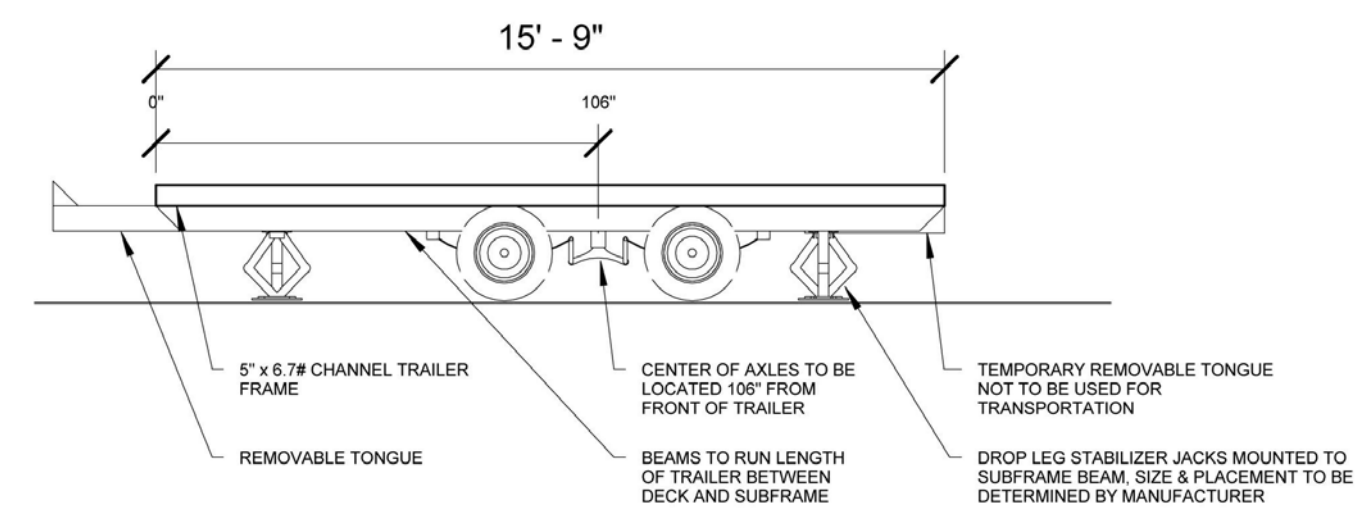
2 BACK SIDE
1/4" = 1'-0"

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END VIEWS
S-201
PORCH
TRAILERS
DATE:
18 APRIL 2011
SCALE: 1/4" = 1'-0"



1 LEFT SIDE
1/4" = 1'-0"



2 RIGHT SIDE
1/4" = 1'-0"

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SIDE VIEWS
S-202
PORCH
TRAILERS
DATE:
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SCALE: 1/4" = 1'-0"



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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
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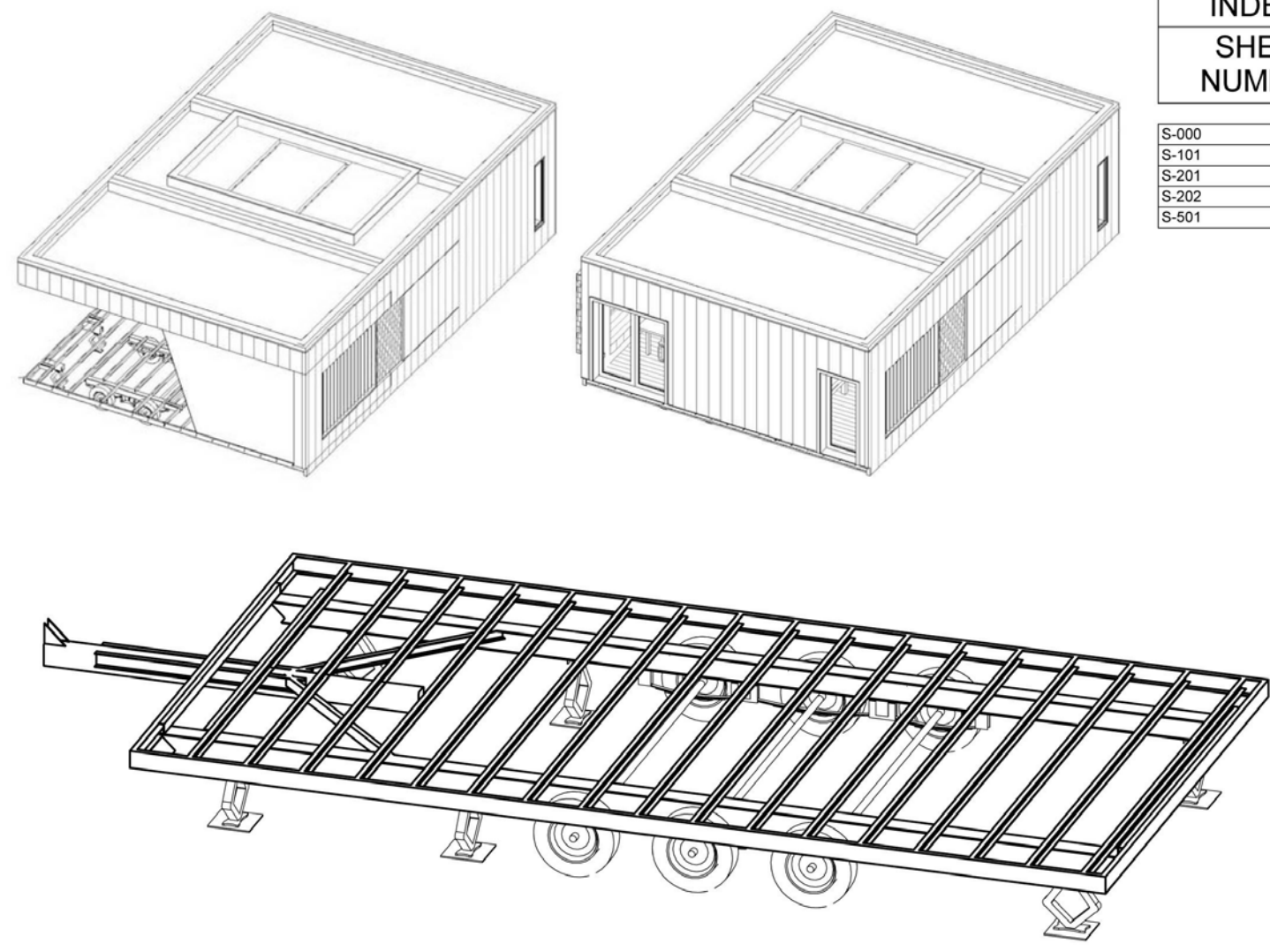
MARK - DATE - DESCRIPTION

SHEET TITLE:
OM TRAILER SHOP DRAWINGS

SHEET NUMBER:

Z-101

APPALACHIAN STATE UNIVERSITY SOLAR HOMESTEAD HOUSE TRAILERS

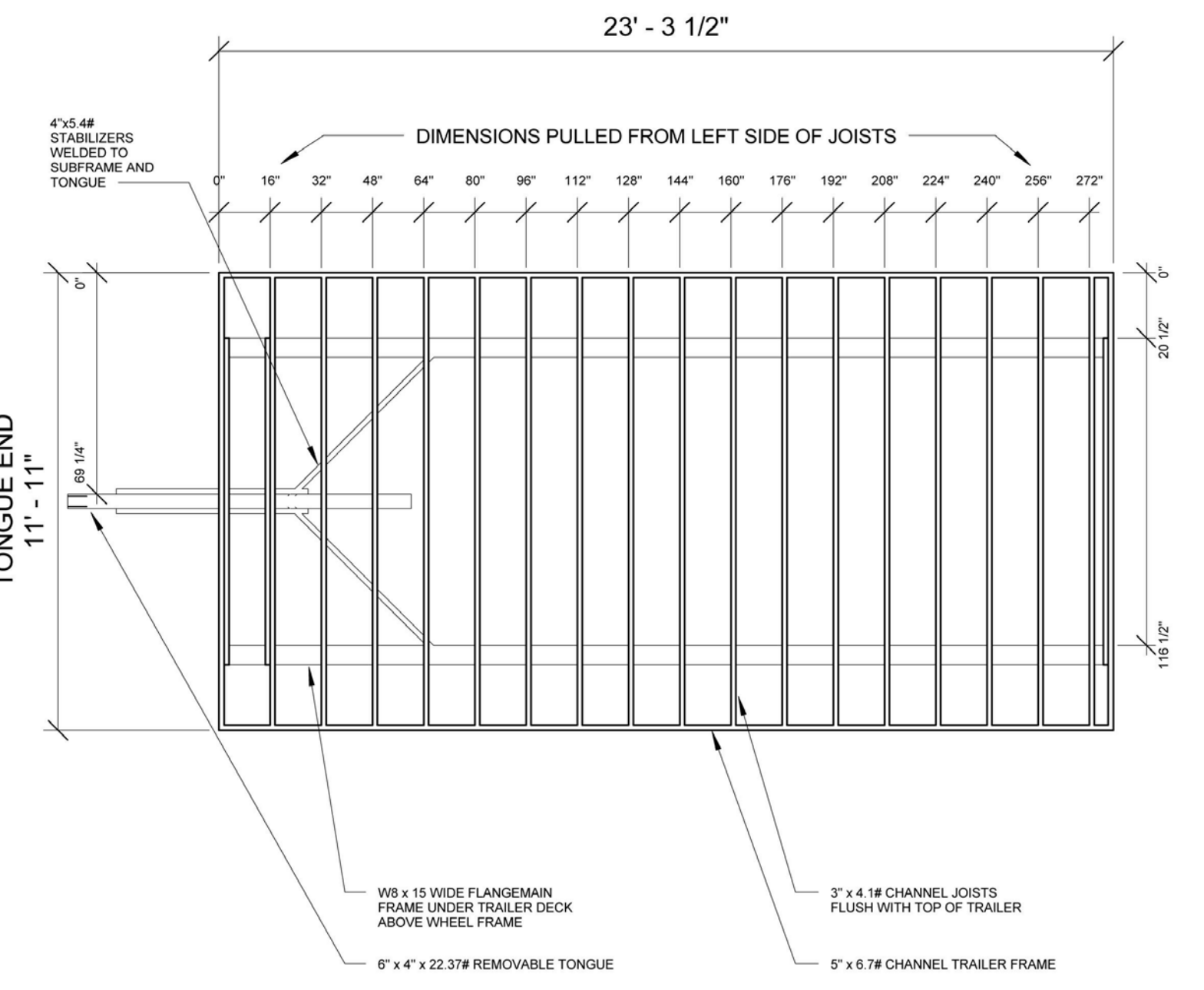


INDEX OF DRAWINGS	
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S-201	ENDS OF TRAILER
S-202	TRAILER SIDE PLANS
S-501	JACK DETAILS

STEEL FRAME	
MAIN FRAME SIDE RAILS	W8x15#
MAIN FRAME CROSS MEMBERS	W8x15#
DECK SIDE RAIL	C5x6.7#
DECK CROSS MEMBERS	C3x4.1#
STABILIZERS	C4x5.4#

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DRAWN BY: JA
COVER
S-000
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1" = 1'-0"

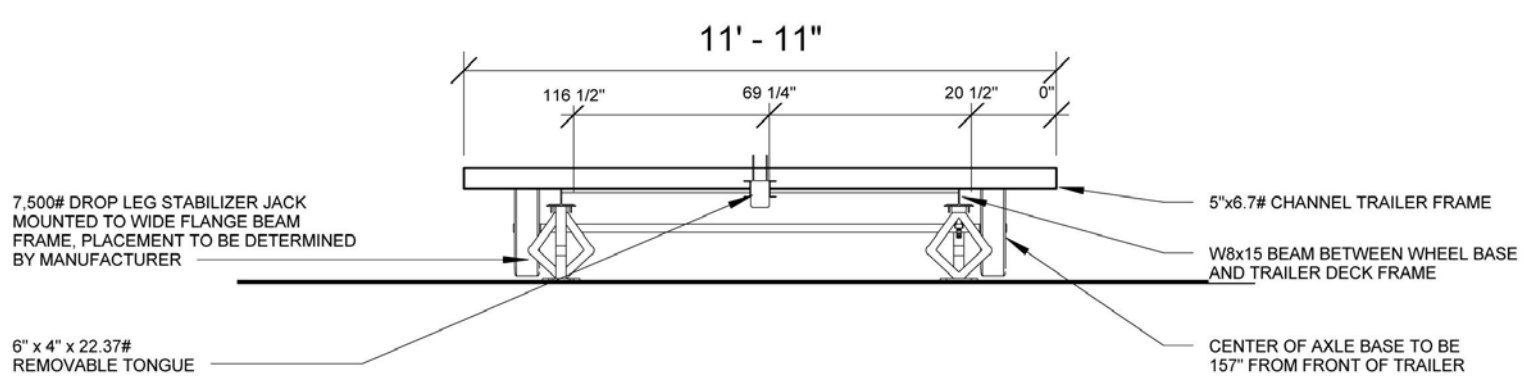


1 TRAILER DECK PLAN
1/4" = 1'-0"

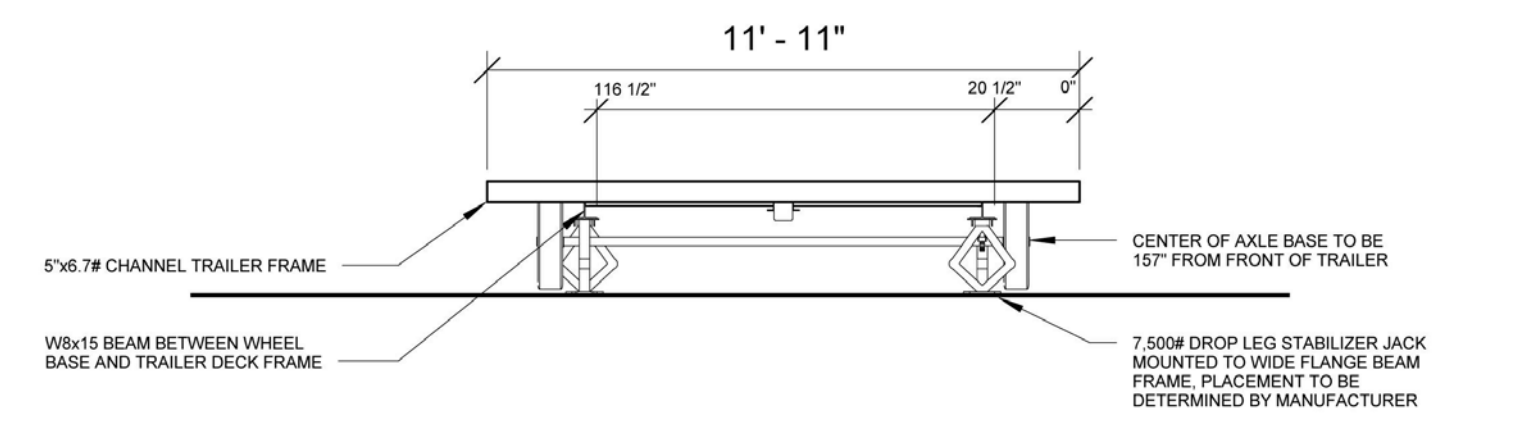
MANUFACTURERS NOTE
TRAILER DIAGONAL DIMENSION SHOULD MEASURE 514"

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TRAILER DECK PLAN
S-101
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"



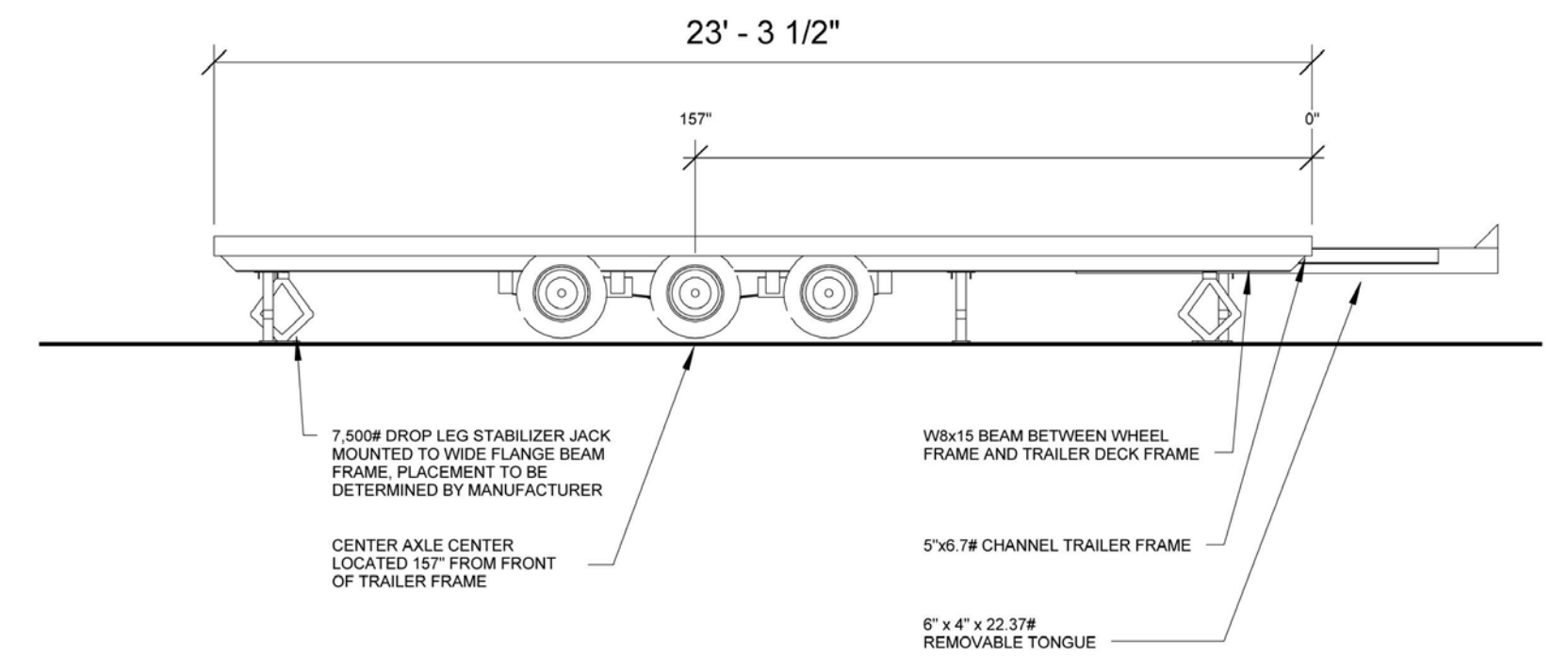
1 FRONT OF TRAILER (TONGUE END)
1/4" = 1'-0"



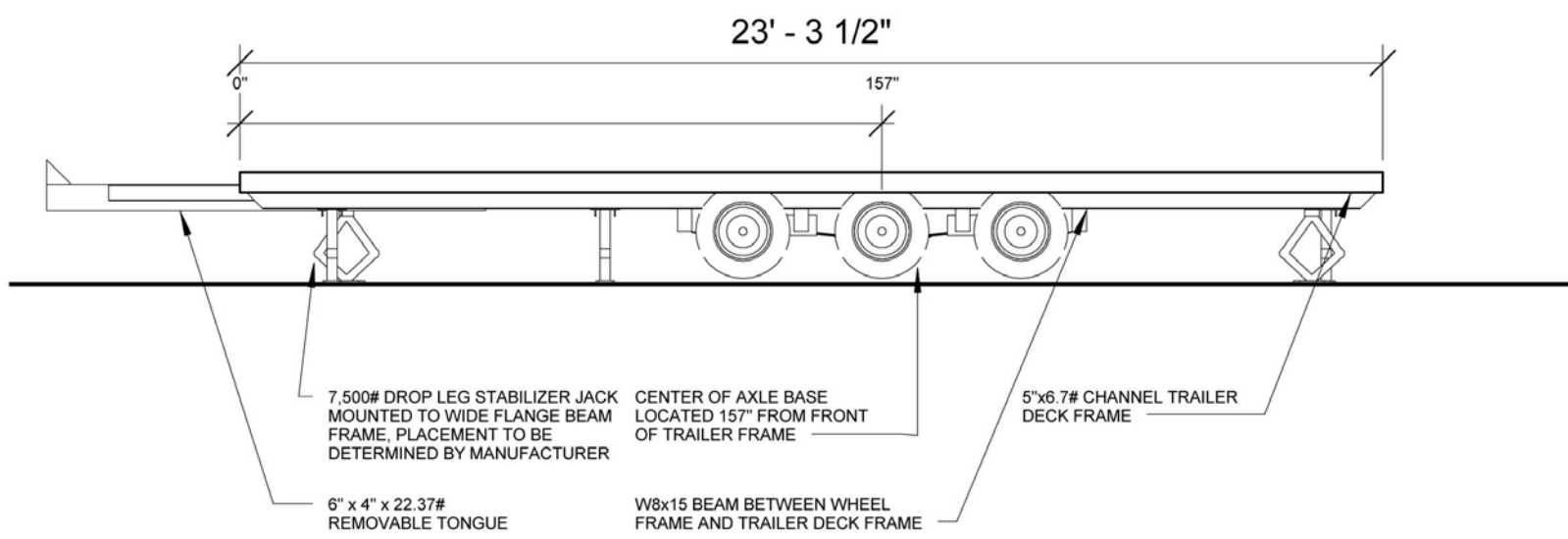
2 BACK OF TRAILER
1/4" = 1'-0"

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ENDS OF TRAILER
S-201
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"



1 LEFT SIDE
1/4" = 1'-0"



2 RIGHT SIDE
1/4" = 1'-0"

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TRAILER SIDE PLANS
S-202
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"



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APPALACHIAN STATE UNIVERSITY

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BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
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SHEET TITLE:
HOUSE TRAILER SHOP
DRAWINGS 1

SHEET NUMBER:

Z-102

G

F

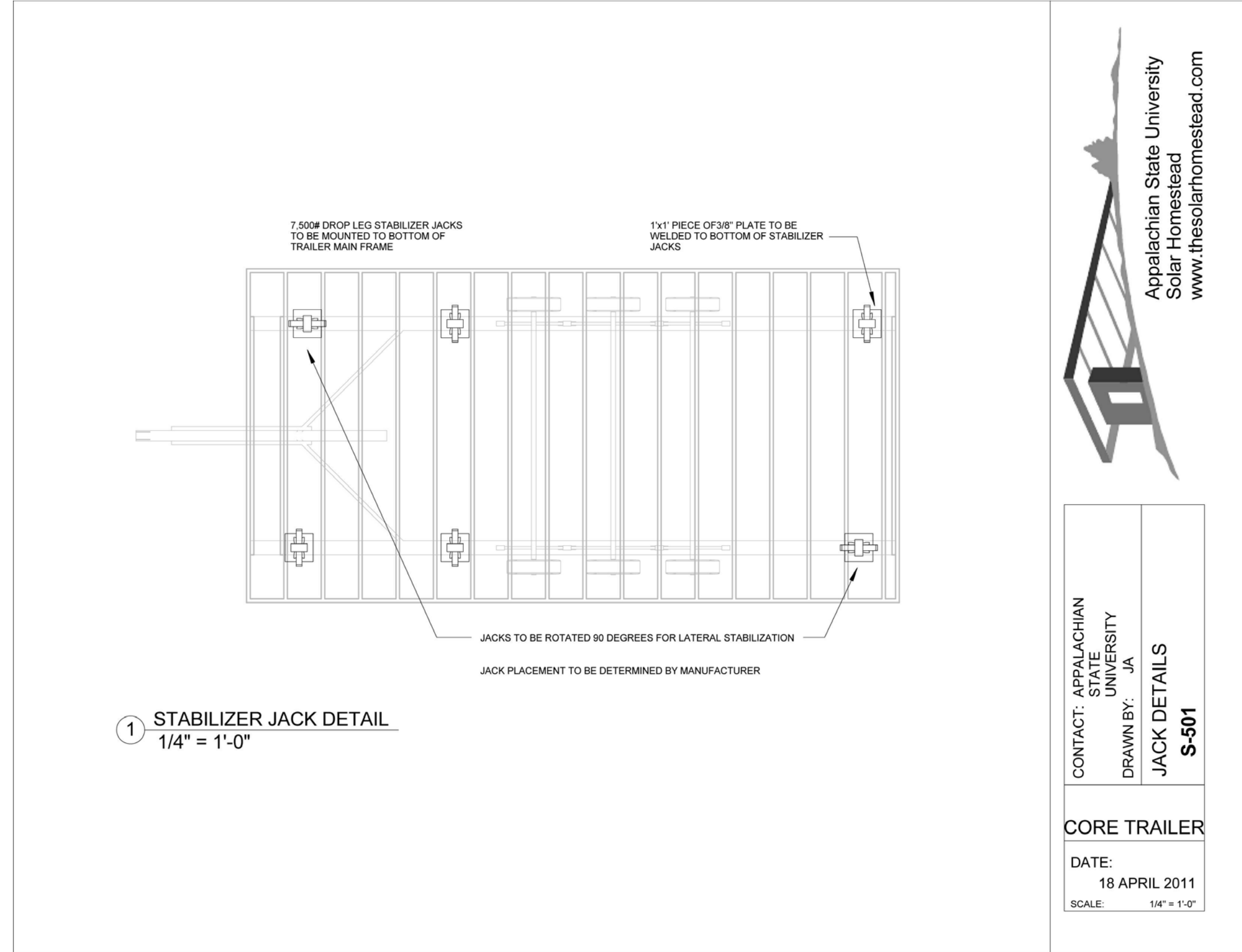
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CONTACT: APPALACHIAN
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DRAWN BY: JA
JACK DETAILS
S-501

CORE TRAILER

DATE:
18 APRIL 2011
SCALE: 1/4" = 1'-0"

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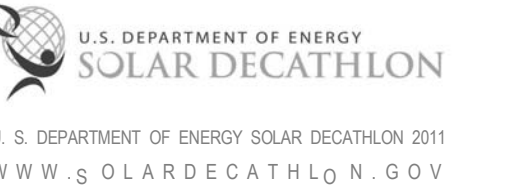


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SHEET TITLE:
HOUSE TRAILER SHOP
DRAWINGS 2

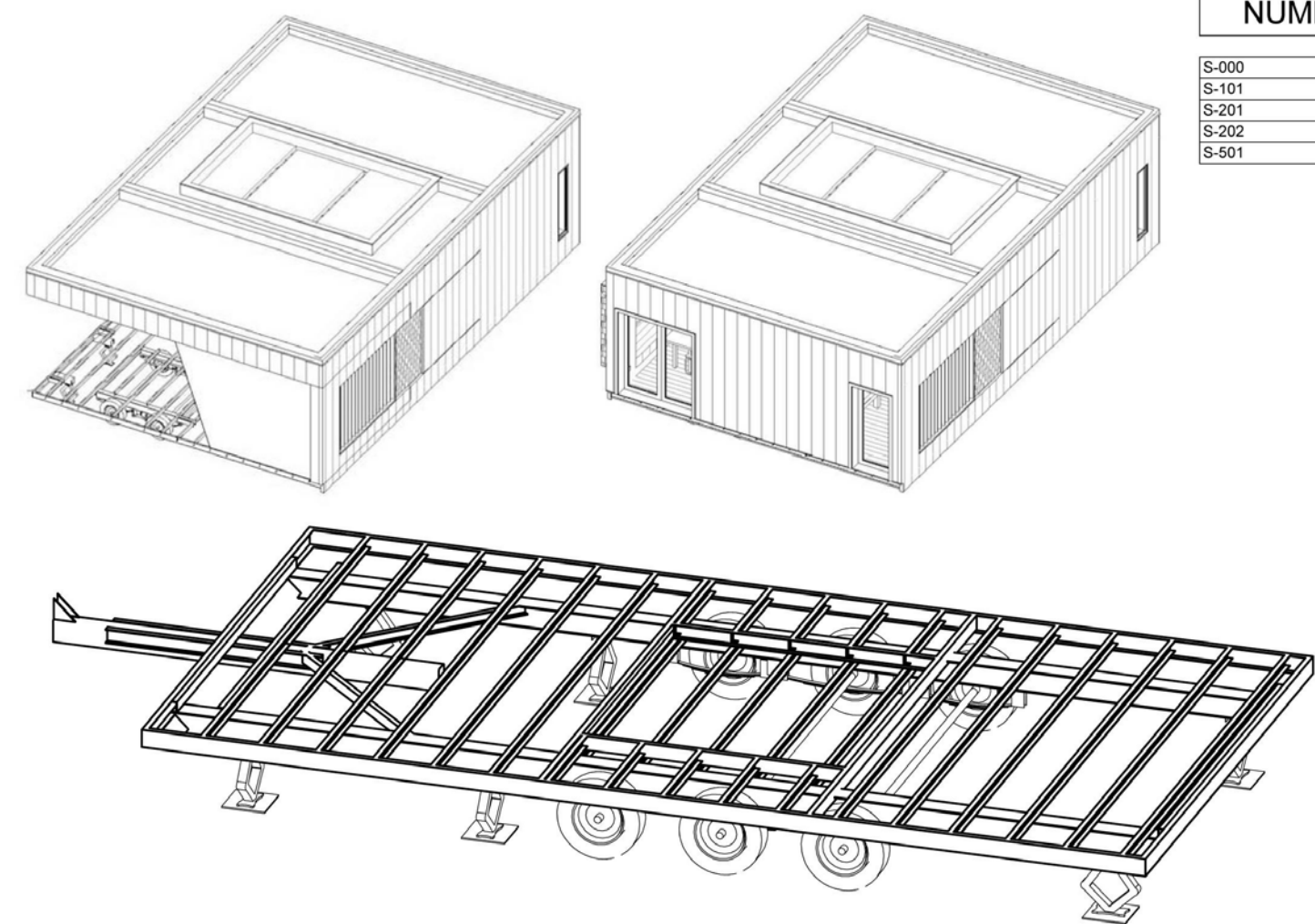
SHEET NUMBER:

Z-103

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CORE TRAILER

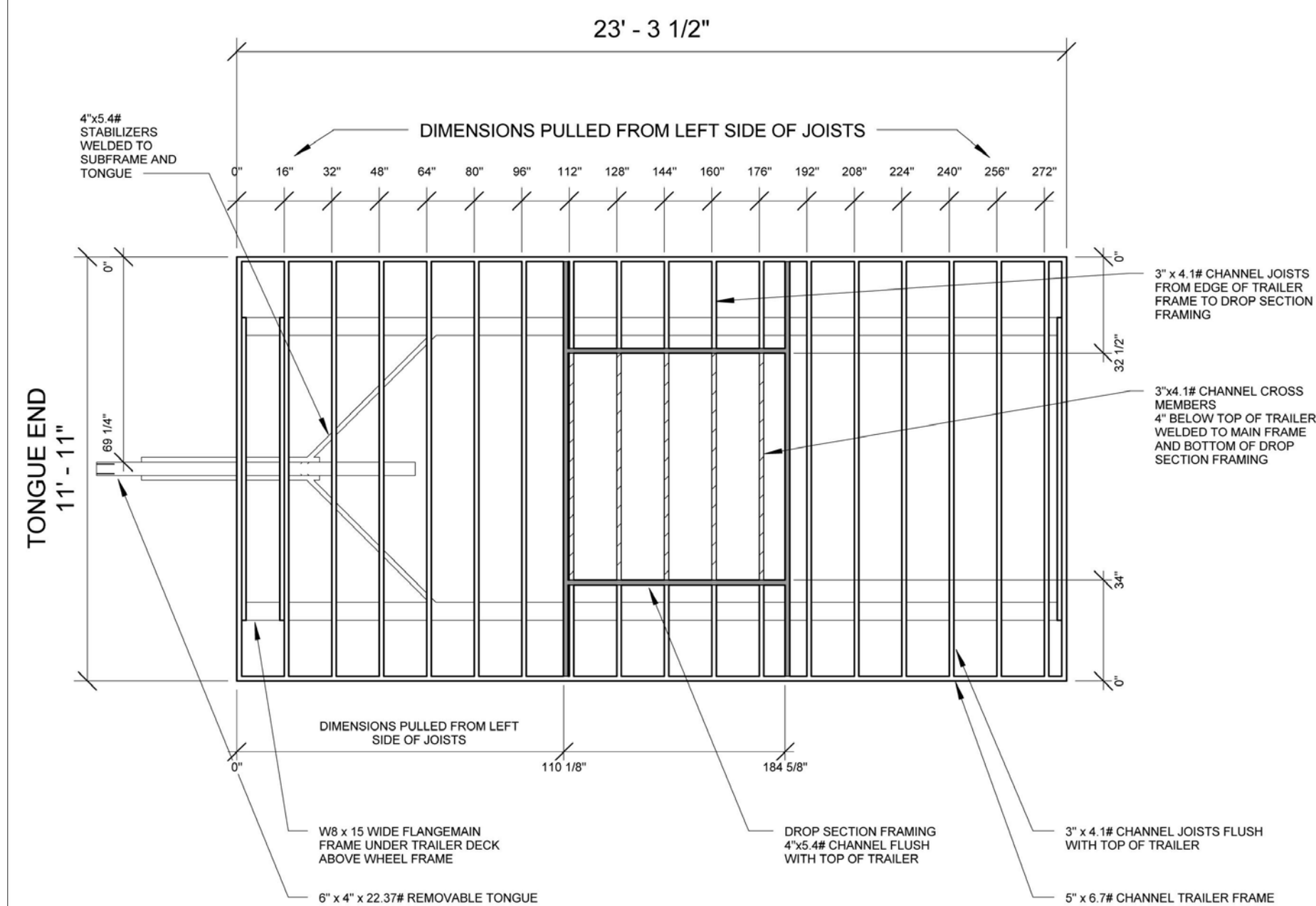


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S-201	ENDS OF TRAILER
S-202	TRAILER SIDE PLANS
S-501	JACK DETAILS

STEEL FRAME	
MAIN FRAME SIDE RAILS	WBx15#
MAIN FRAME CROSS MEMBERS	WBx15#
DECK SIDE RAIL	C5x6.7#
DECK CROSS MEMBERS	C3x4.1#
STABILIZERS	C4x5.4#
DROP SECTION FRAMING	C4x5.4#

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CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
COVER
S-000
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"

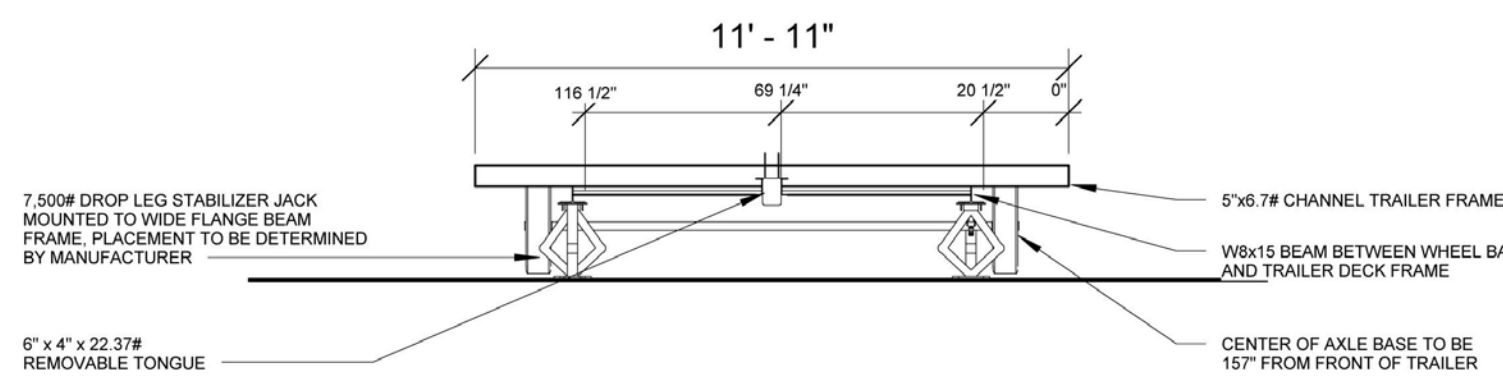


1 TRAILER DECK PLAN
1/4" = 1'-0"

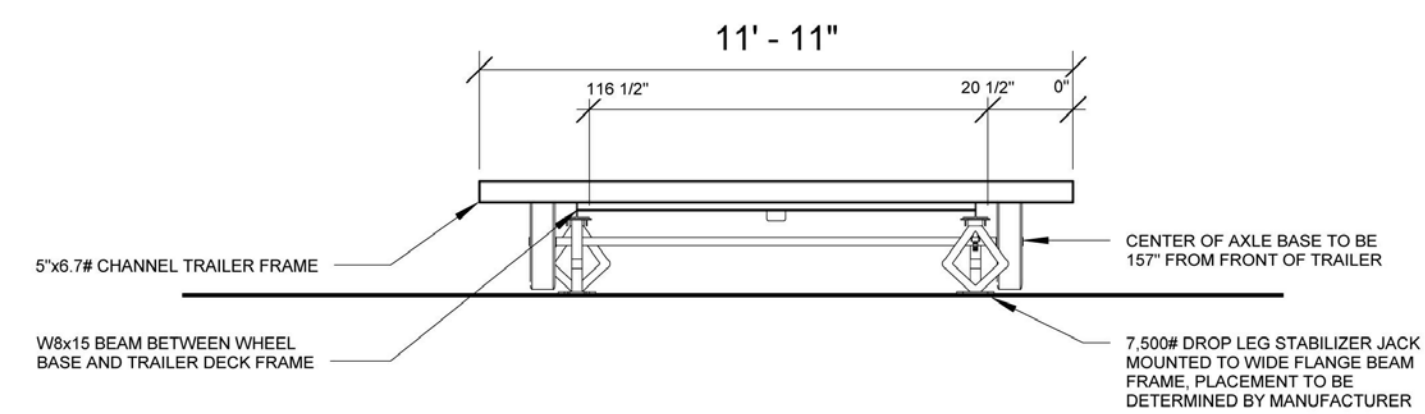
MANUFACTURERS NOTE
TRAILER DIAGONAL DIMENSION SHOULD MEASURE 314"

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TRAILER DECK PLAN
S-101
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"



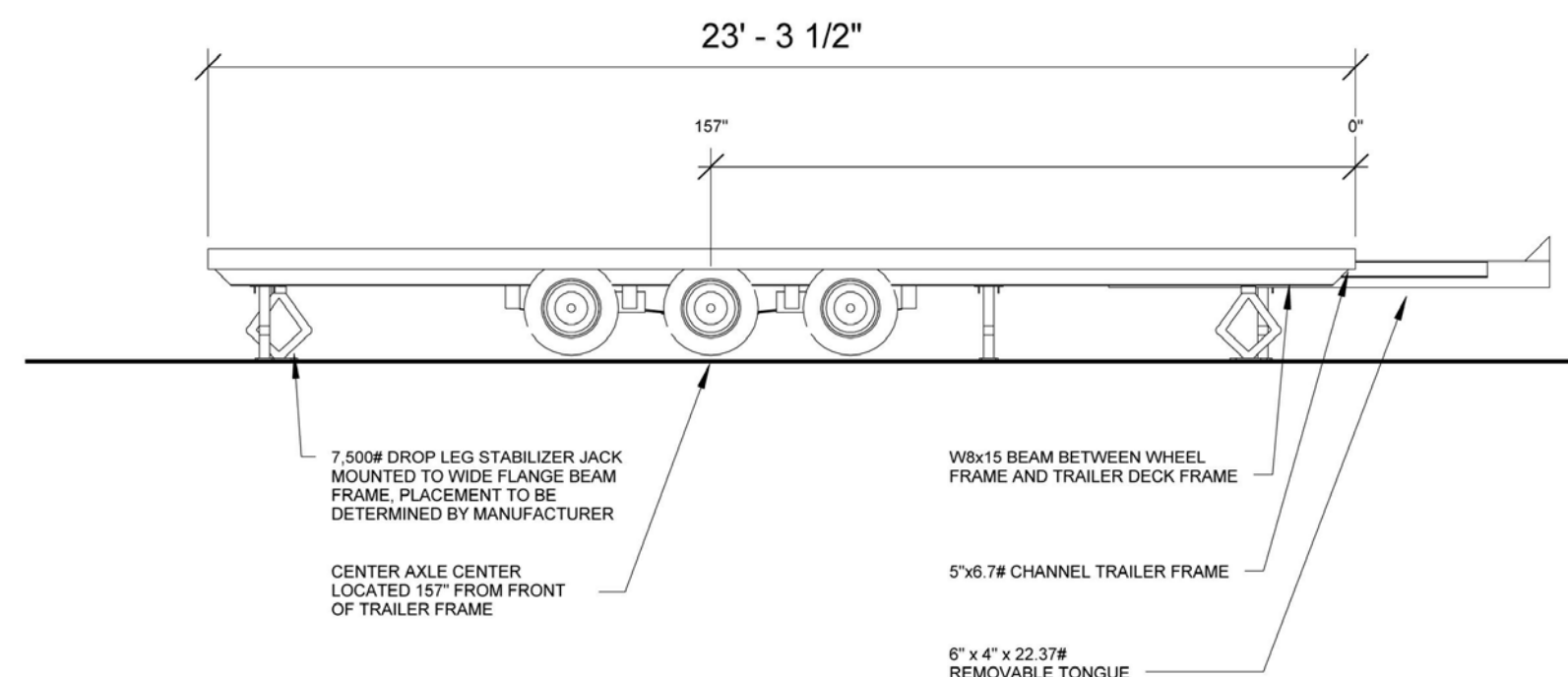
1 FRONT OF TRAILER (TONGUE END)
1/4" = 1'-0"



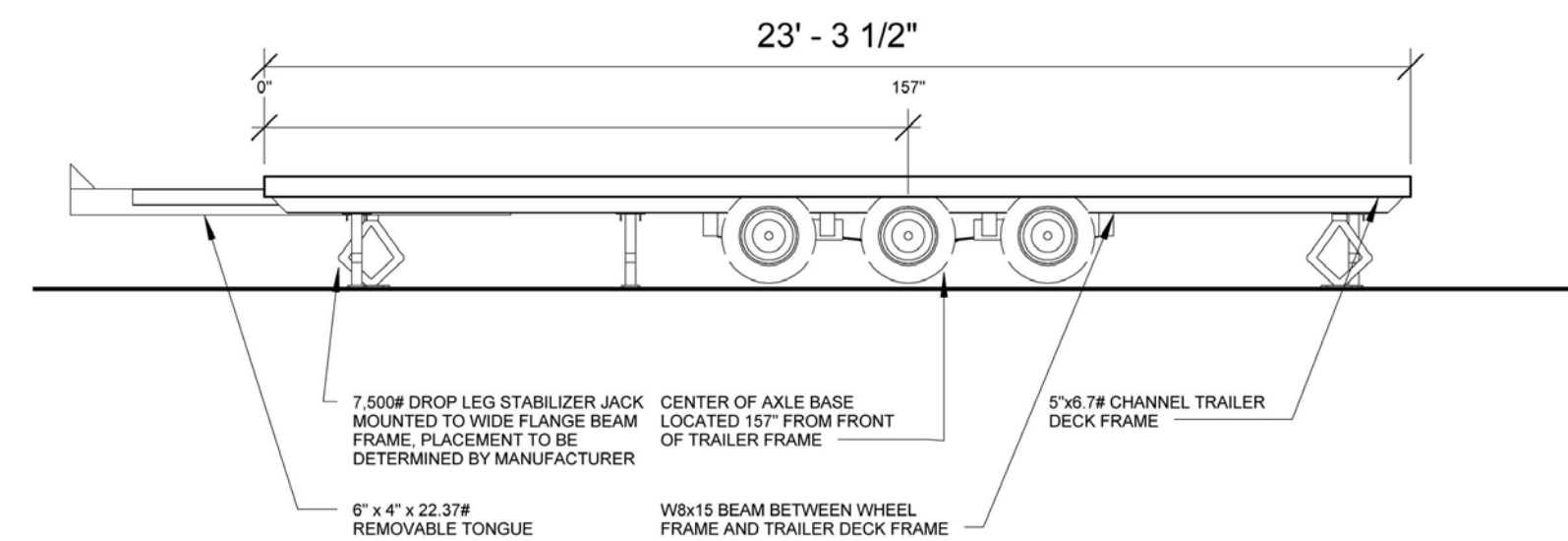
2 BACK OF TRAILER
1/4" = 1'-0"

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ENDS OF TRAILER
S-201
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"



1 LEFT SIDE
1/4" = 1'-0"



2 RIGHT SIDE
1/4" = 1'-0"

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TRAILER SIDE PLANS
S-202
CORE TRAILER
DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"



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APPALACHIAN STATE UNIVERSITY

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SHEET TITLE:
CORE HOUSE TRAILER SHOP
DRAWINGS 1

SHEET NUMBER:

Z-104

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F

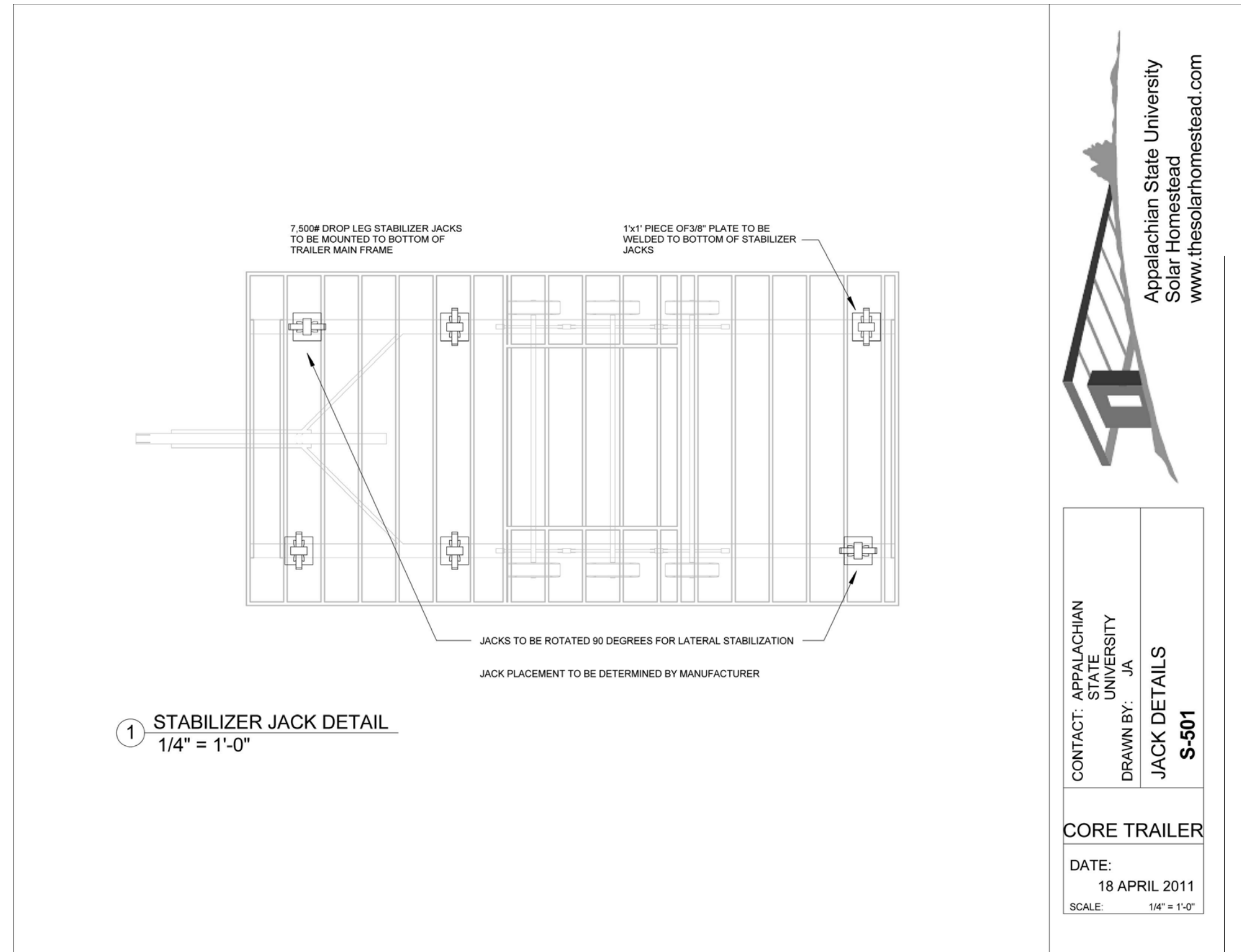
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① **STABILIZER JACK DETAIL**
1/4" = 1'-0"



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JACK DETAILS
S-501

CORE TRAILER

DATE: 18 APRIL 2011
SCALE: 1/4" = 1'-0"

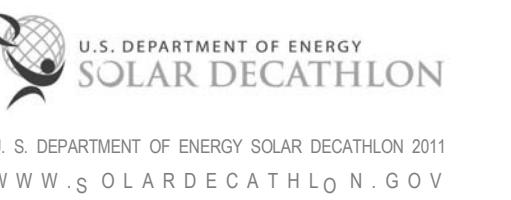


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MARK - DATE - DESCRIPTION

SHEET TITLE:
CORE HOUSE TRAILER SHOP DRAWINGS 2

SHEET NUMBER:

Z-105

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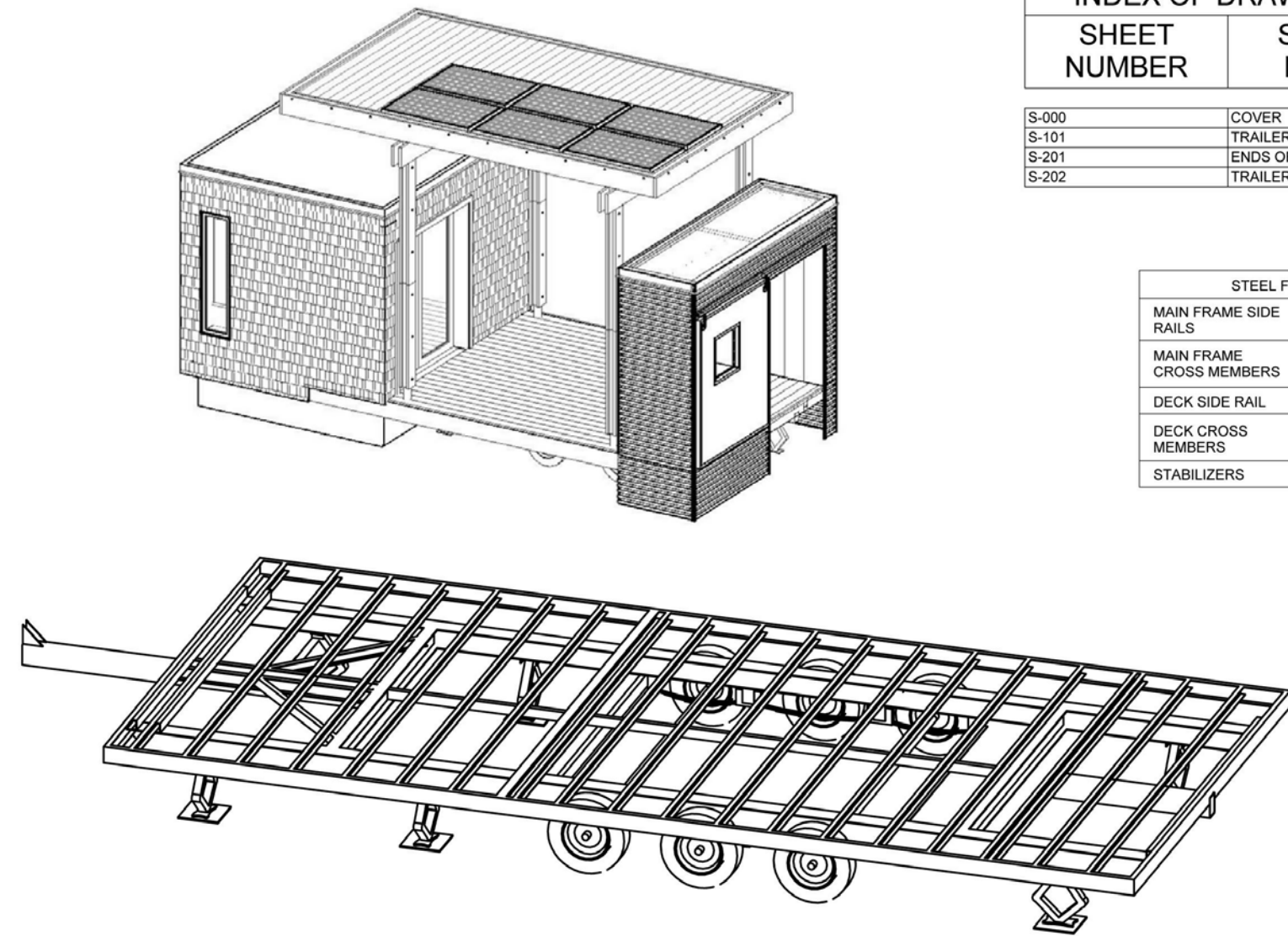
07

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APPALACHIAN STATE UNIVERSITY SOLAR HOMESTEAD FLEX TRAILER

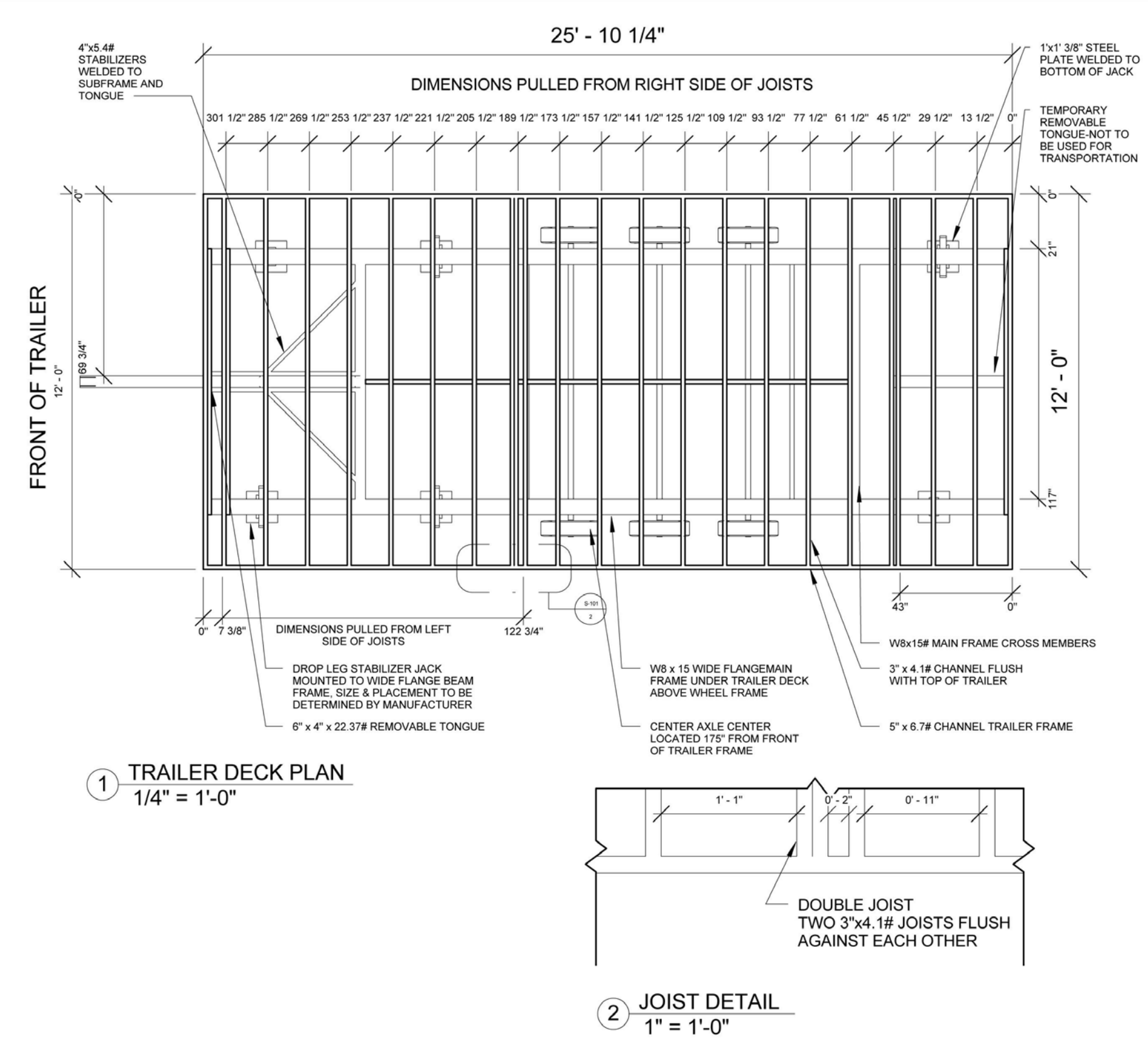


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SHEET NUMBER	SHEET NAME
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S-201	ENDS OF TRAILER
S-202	TRAILER SIDE PLANS

STEEL FRAME	
MAIN FRAME SIDE RAILS	W8x15#
MAIN FRAME CROSS MEMBERS	W8x15#
DECK SIDE RAIL	C5x6.7#
DECK CROSS MEMBERS	C3x4.1#
STABILIZERS	C4x5.6#

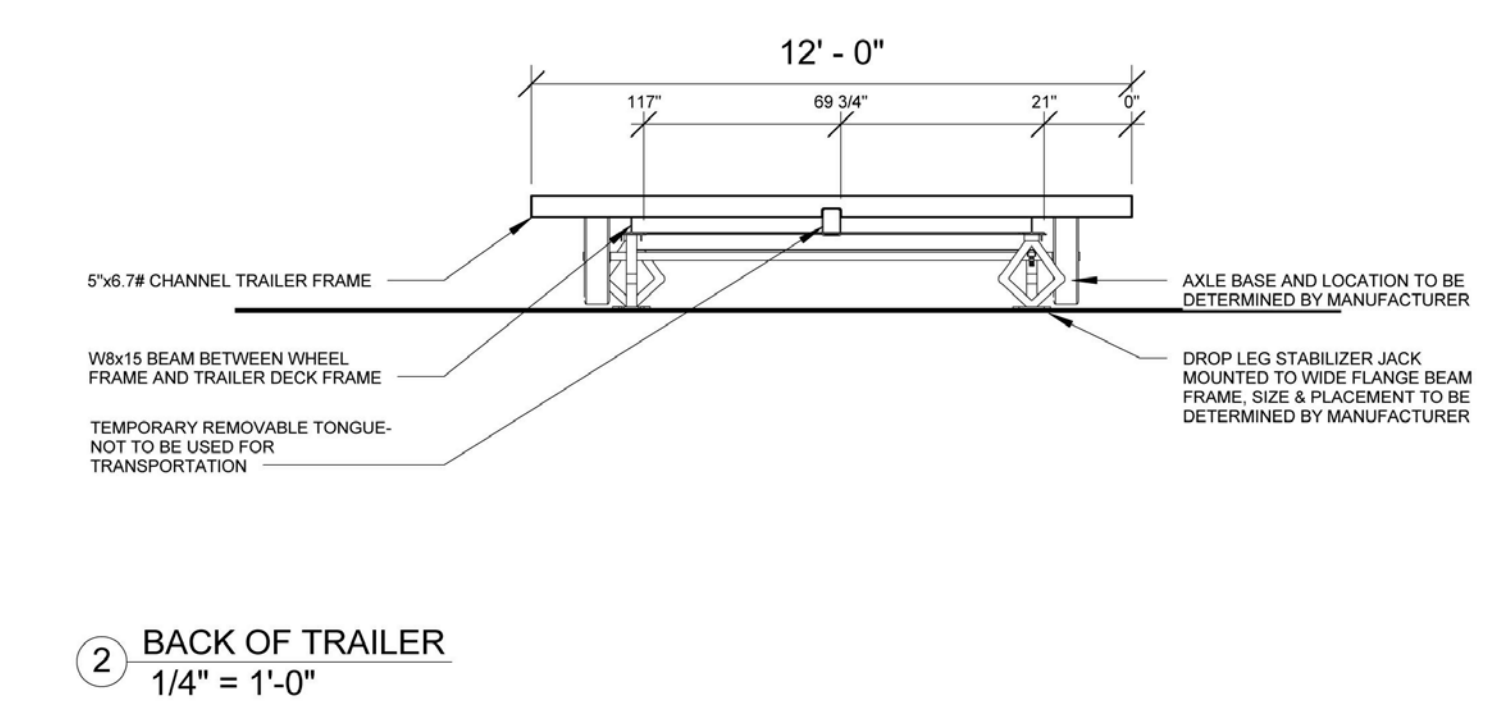
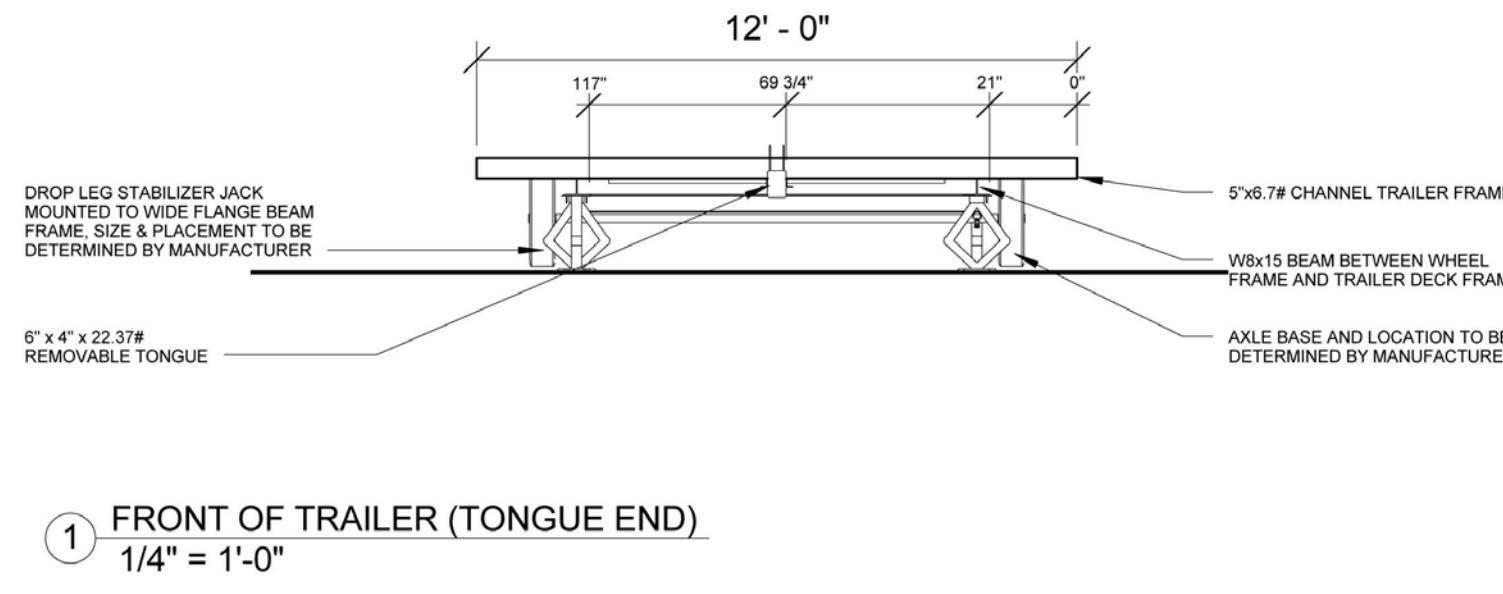
CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
COVER S-000

FLEX TRAILER
DATE: 5 MARCH 2011
SCALE: 1" = 1'-0"



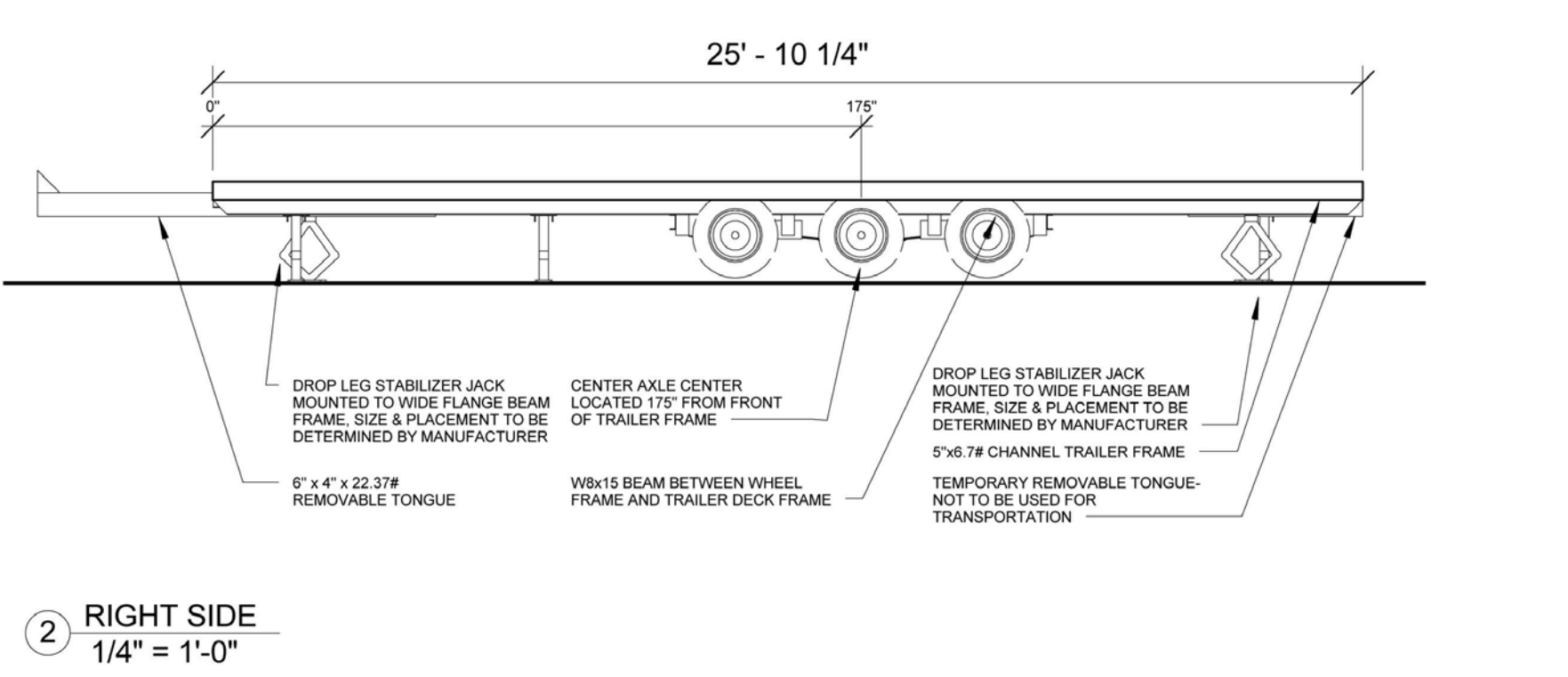
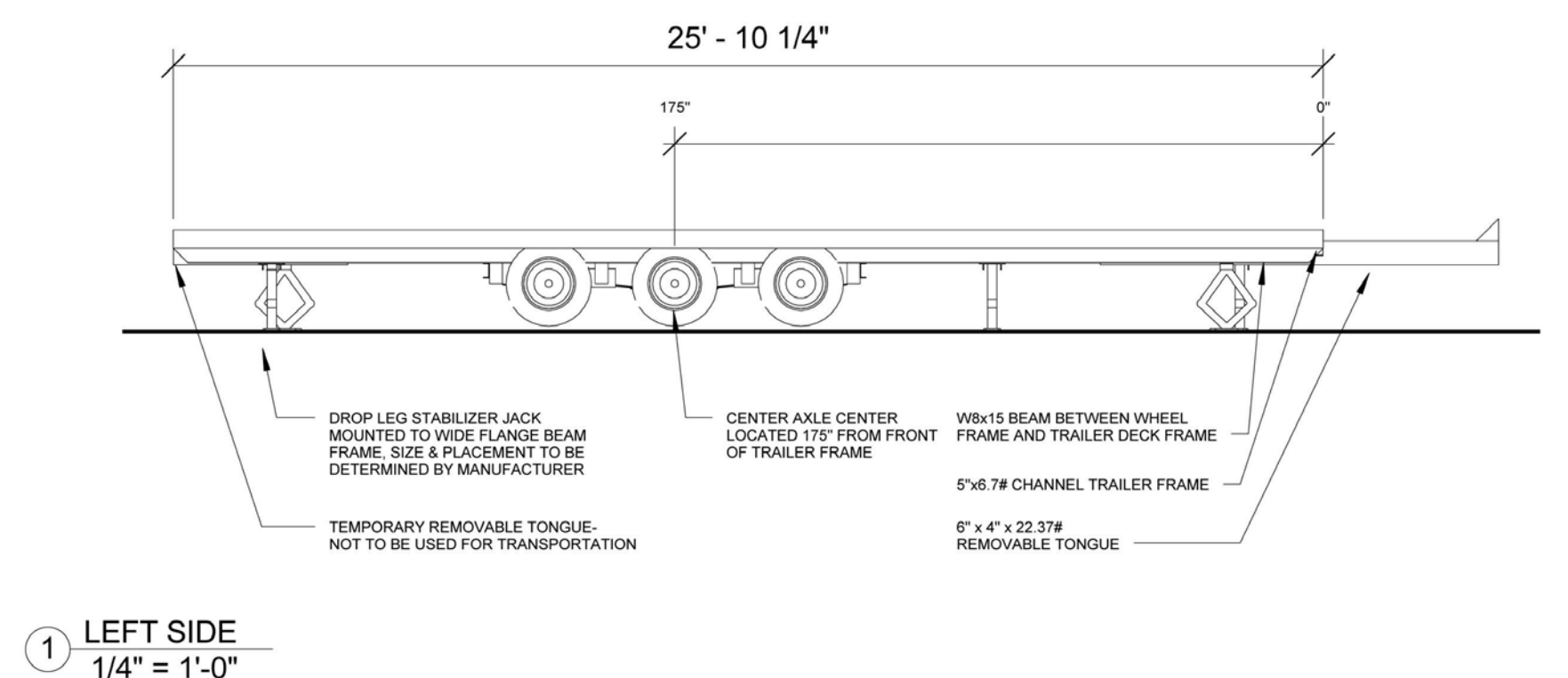
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DRAWN BY: JA
TRAILER DECK PLAN S-101

FLEX TRAILER
DATE: 5 MARCH 2011
SCALE: As indicated



CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
ENDS OF TRAILER S-201

FLEX TRAILER
DATE: 5 MARCH 2011
SCALE: 1/4" = 1'-0"



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TRAILER SIDE PLANS S-202

FLEX TRAILER
DATE: 5 MARCH 2011
SCALE: 1/4" = 1'-0"



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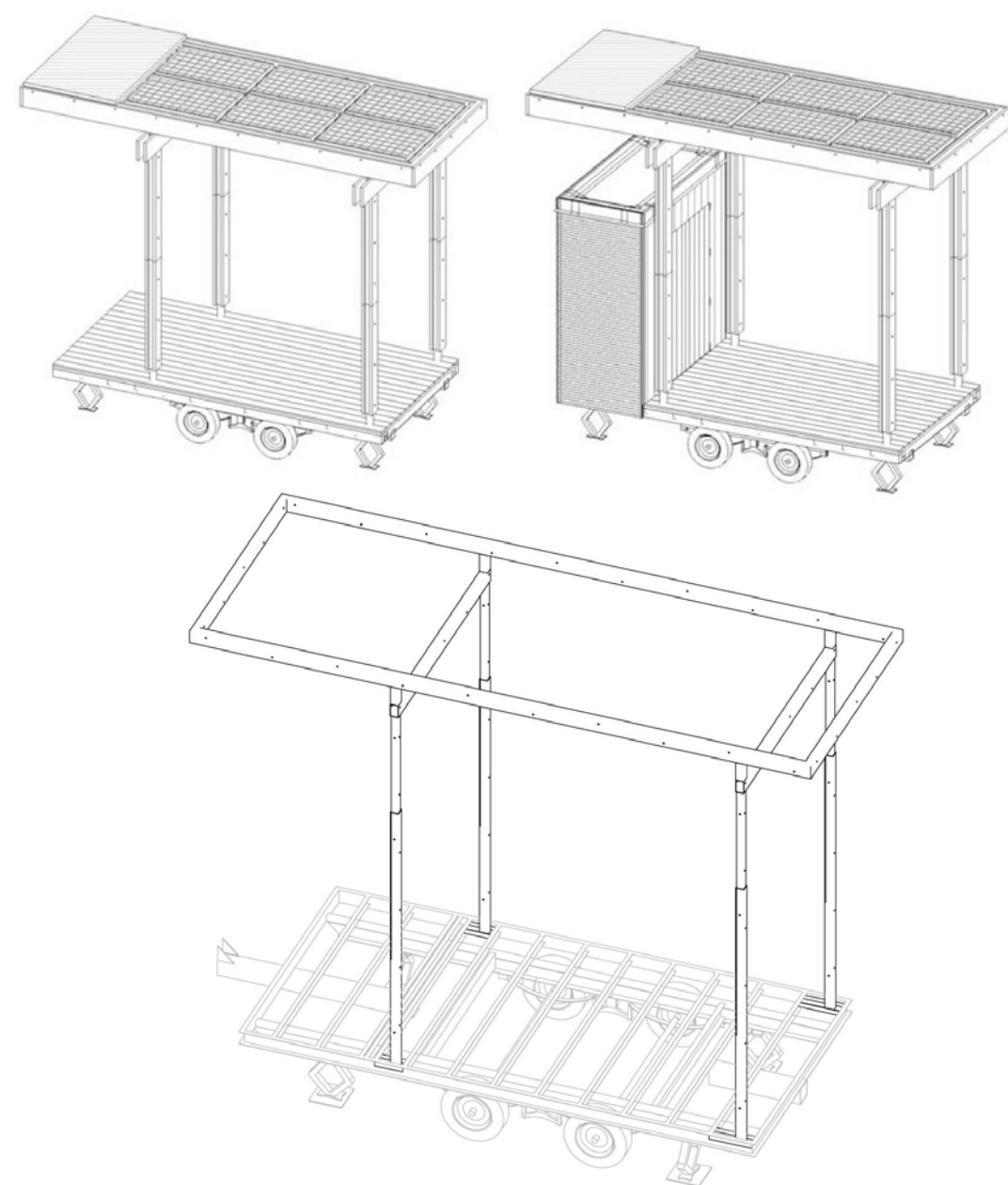
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SHEET TITLE:
FLEX TRAILER SHOP DRAWINGS

SHEET NUMBER:

Z-106

APPALACHIAN STATE UNIVERSITY SOLAR HOMESTEAD OM CANOPY STEEL



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S-102	CANOPY GIRDER PLAN
S-103	CANOPY PLAN
S-201	FRONT OF TRAILER
S-202	LEFT SIDE
S-203	BACK OF TRAILER
S-204	RIGHT SIDE
S-302	COLUMN DETAILS-FRONT
S-301	COLUMN DETAILS-SIDE
S-303	LATERAL STABILITY DETAILS

CONSTRUCTION NOTE:

STEEL ANGLE FOR LATERAL STABILITY TO BE INCLUDED ONLY ON CANOPIES OF OMS WITH CLOSETS

ALL THRU BOLTS TO BE 1/2" GRADE 8

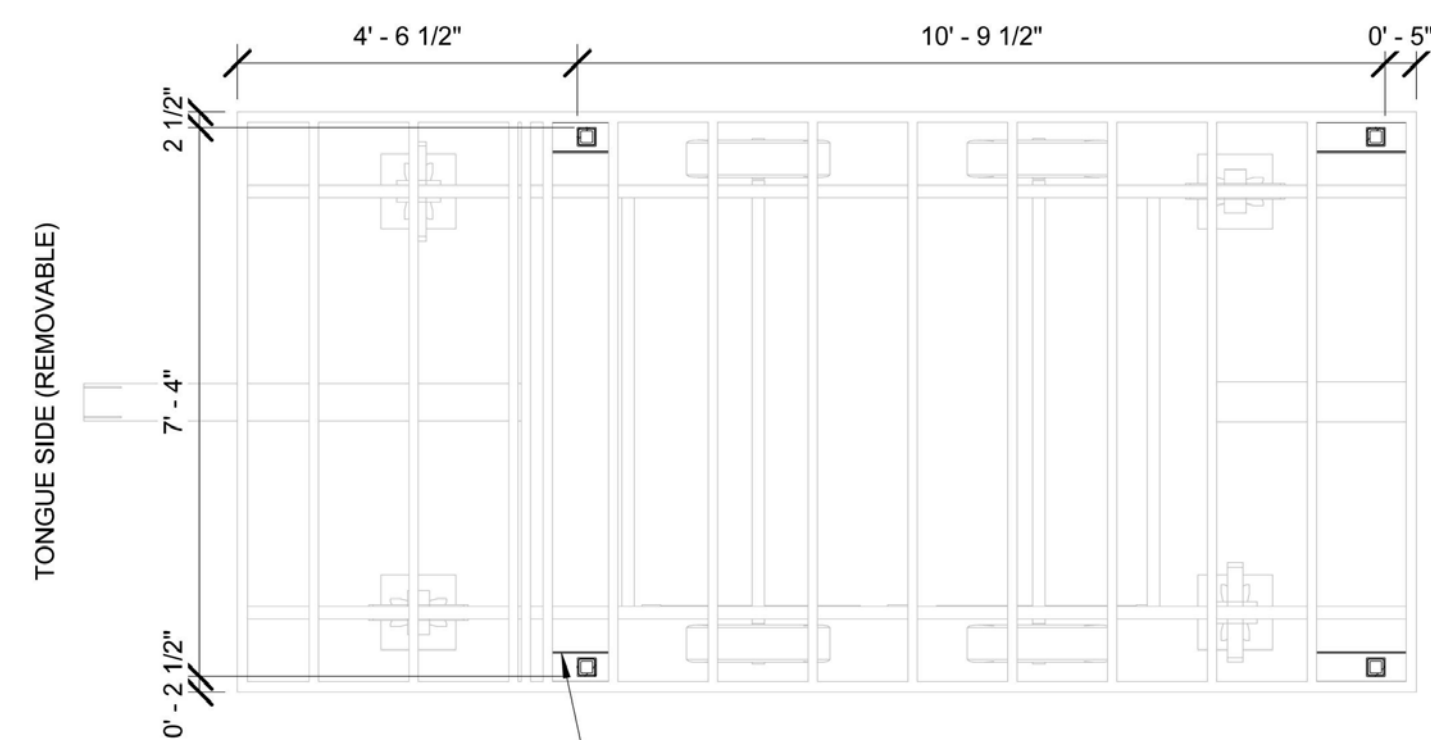


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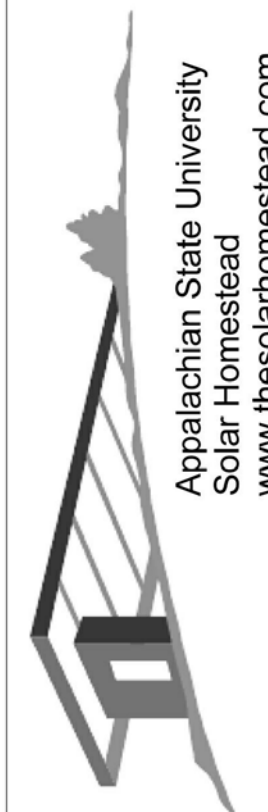
CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
COV
S-000

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"



1 TRAILER DECK PLAN
3/8" = 1'-0"

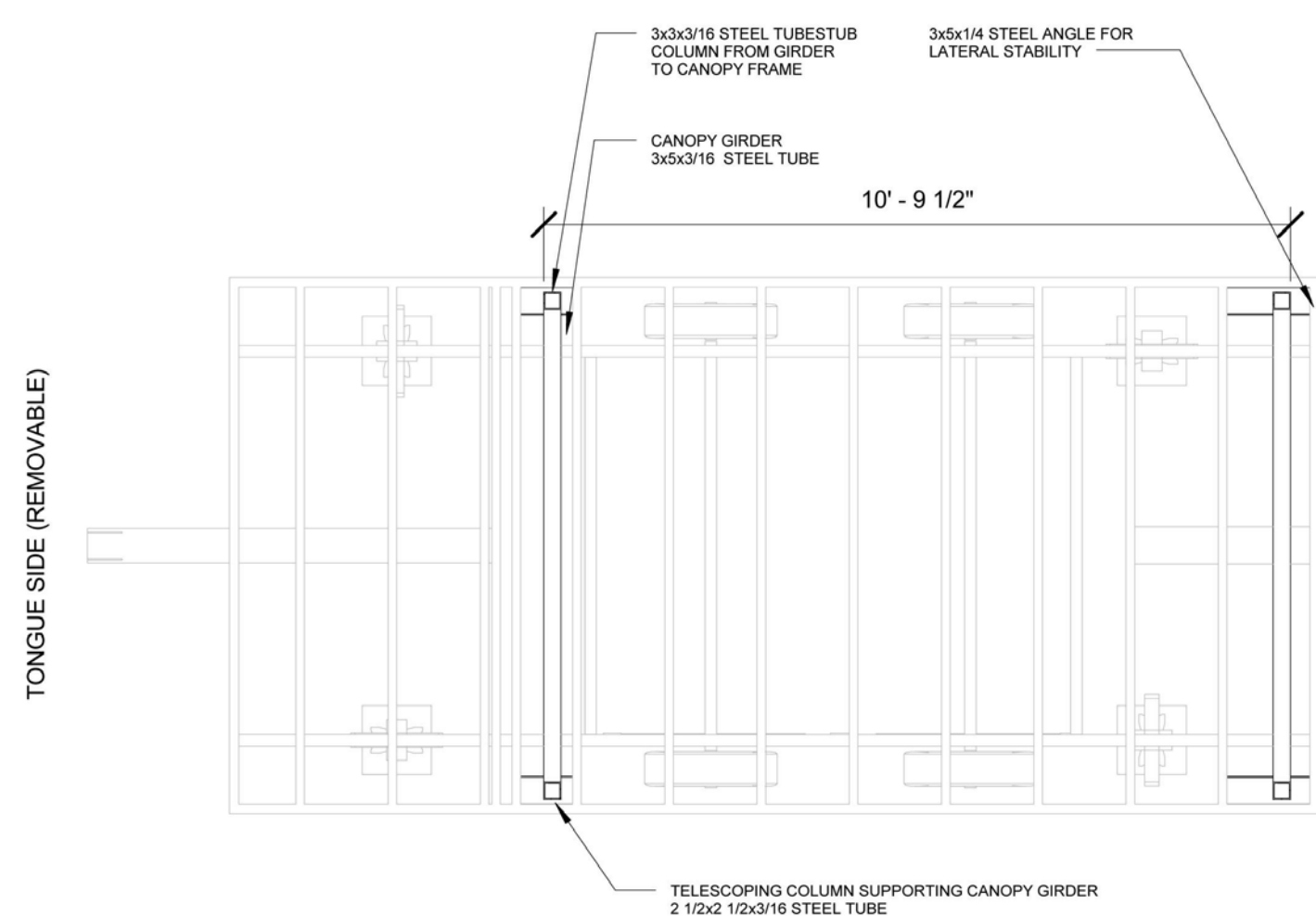


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CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
TRAILER DECK PLAN
S-101

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"



1 CANOPY GIRDER PLAN
3/8" = 1'-0"

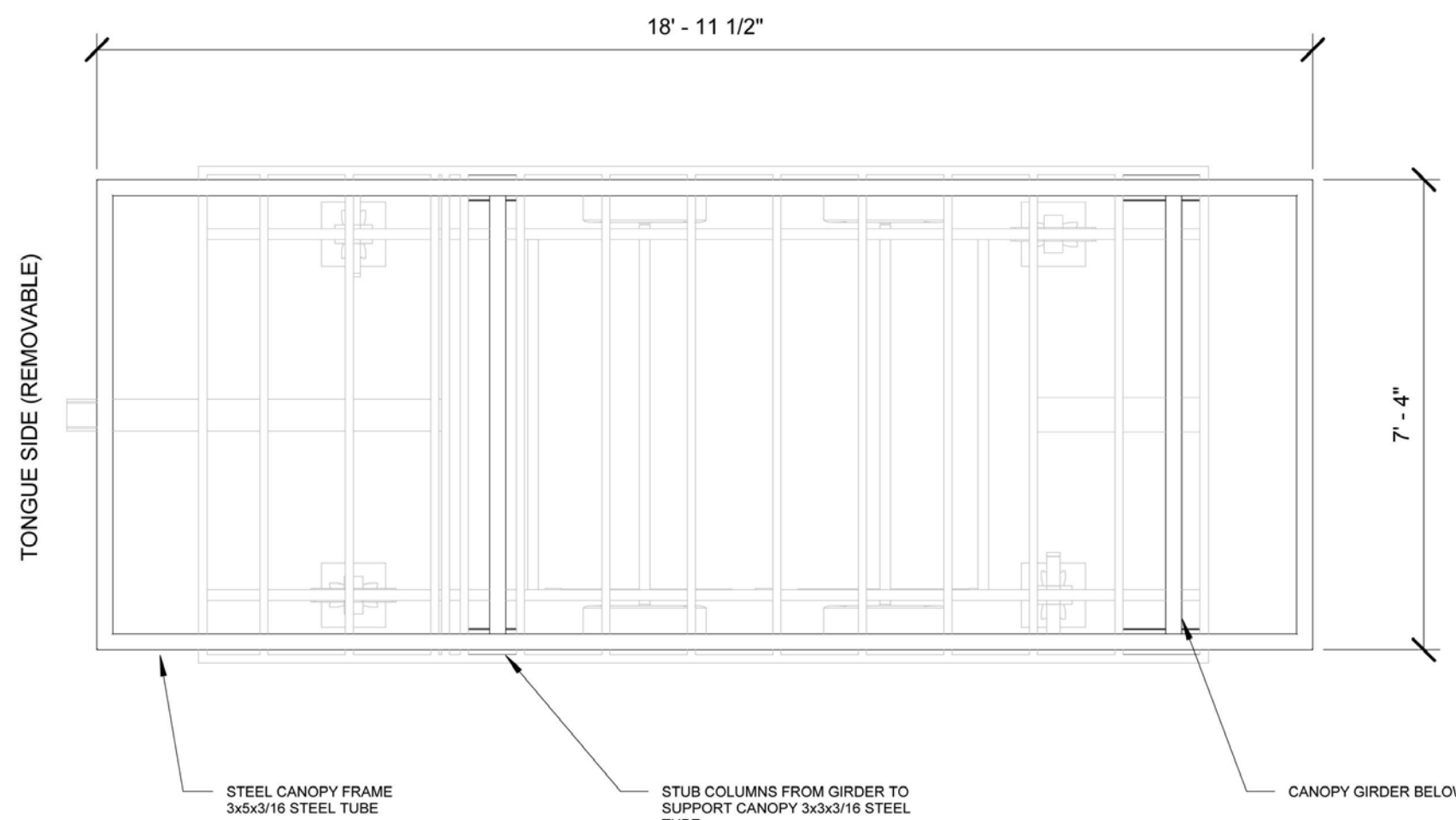


Appalachian State University
Solar Homestead
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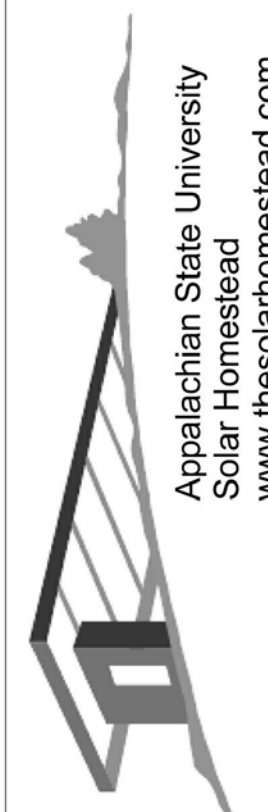
CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
CANOPY GIRDER PLAN
S-102

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"



1 TOP OF CANOPY
3/8" = 1'-0"



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CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
CANOPY PLAN
S-103

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"



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MARK - DATE - DESCRIPTION

SHEET TITLE:
OM CANOPY SHOP DRAWINGS 1

SHEET NUMBER:

Z-107

THE SOLAR HOMESTEAD

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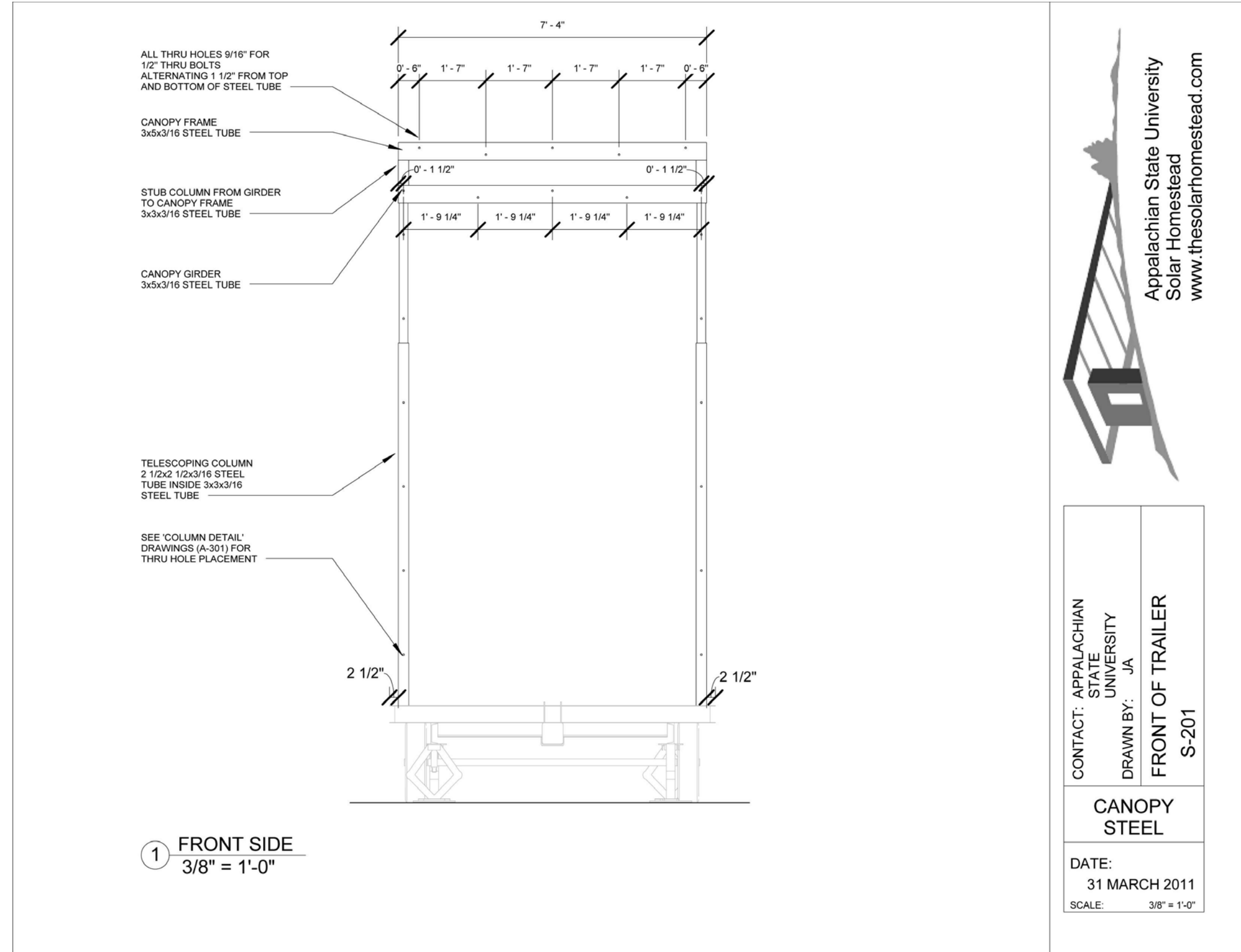
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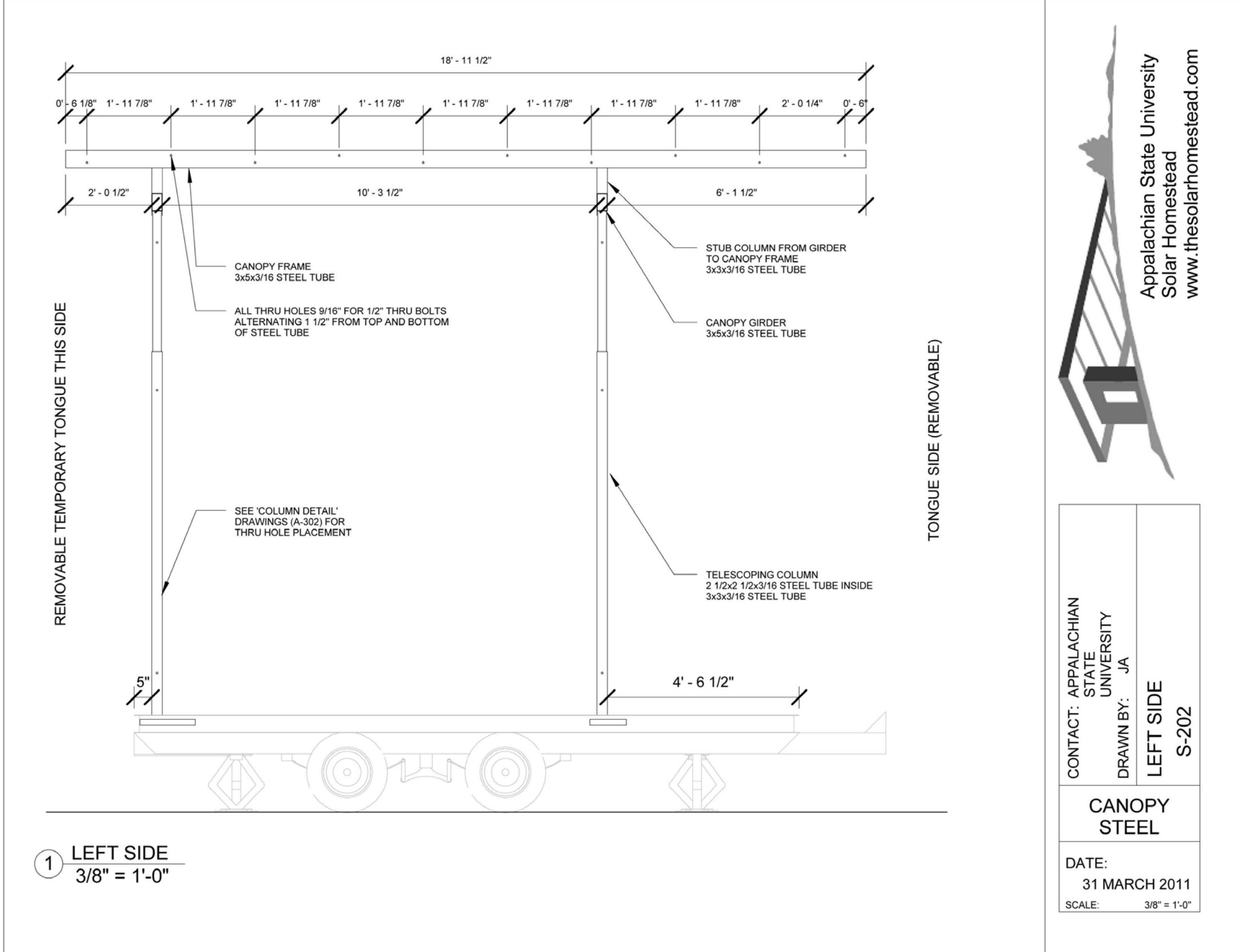


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CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
FRONT OF TRAILER
S-201

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"

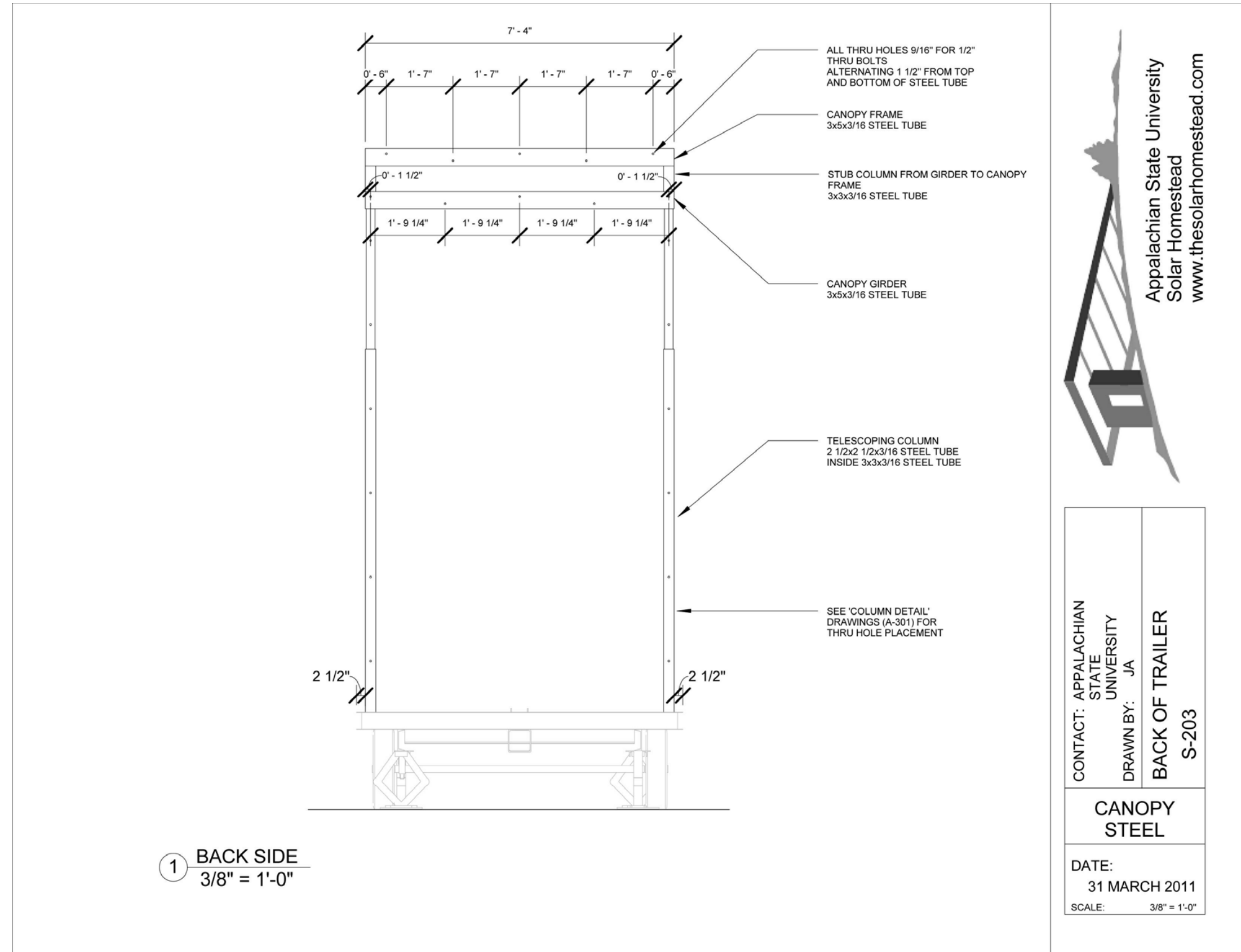


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CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
LEFT SIDE
S-202

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"

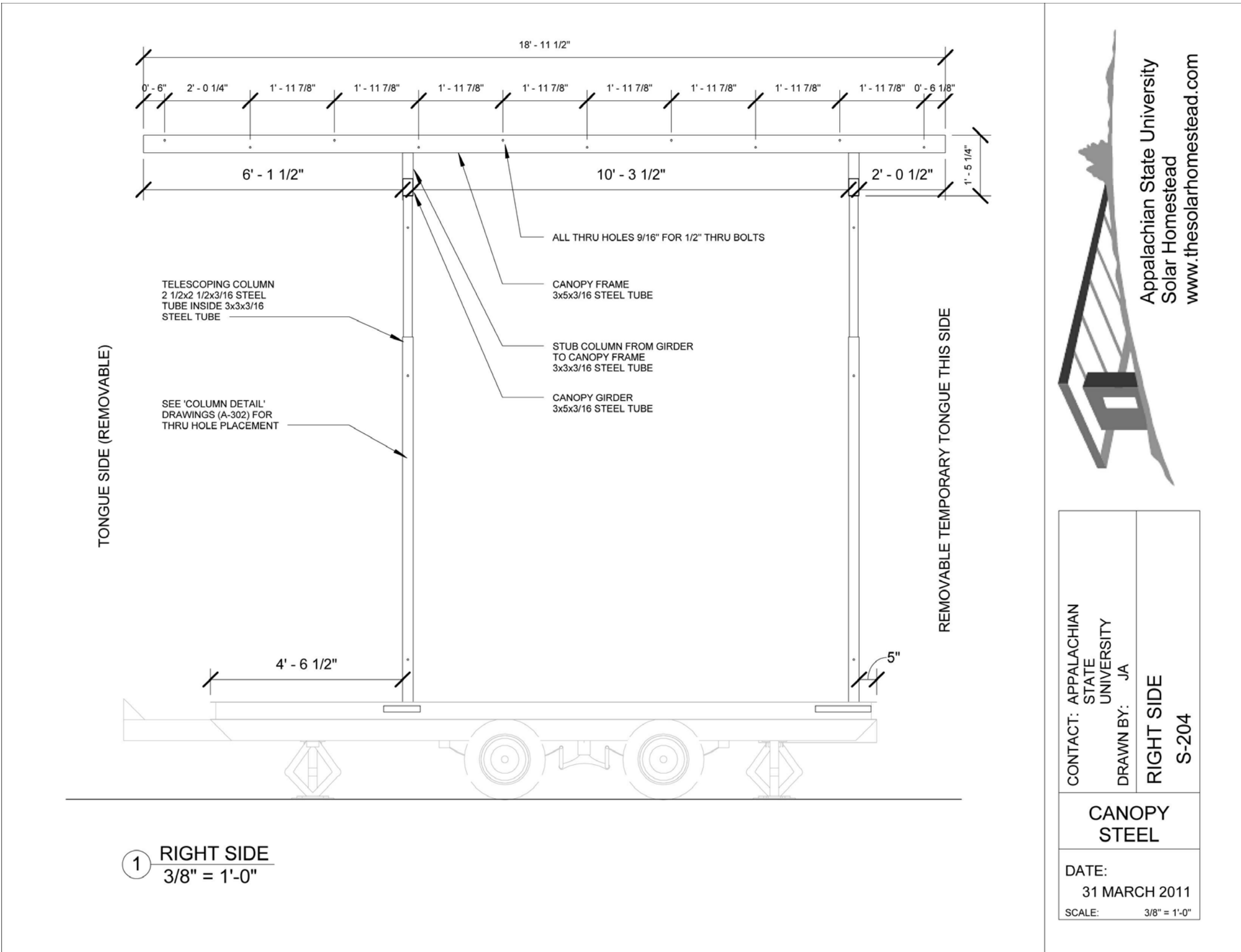


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Solar Homestead
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CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
BACK OF TRAILER
S-203

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"



Appalachian State University
Solar Homestead
www.thesolarhomestead.com

CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
RIGHT SIDE
S-204

CANOPY STEEL

DATE: 31 MARCH 2011
SCALE: 3/8" = 1'-0"



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MARK - DATE - DESCRIPTION

SHEET TITLE:
OM CANOPY SHOP DRAWINGS 2

SHEET NUMBER:

Z-108

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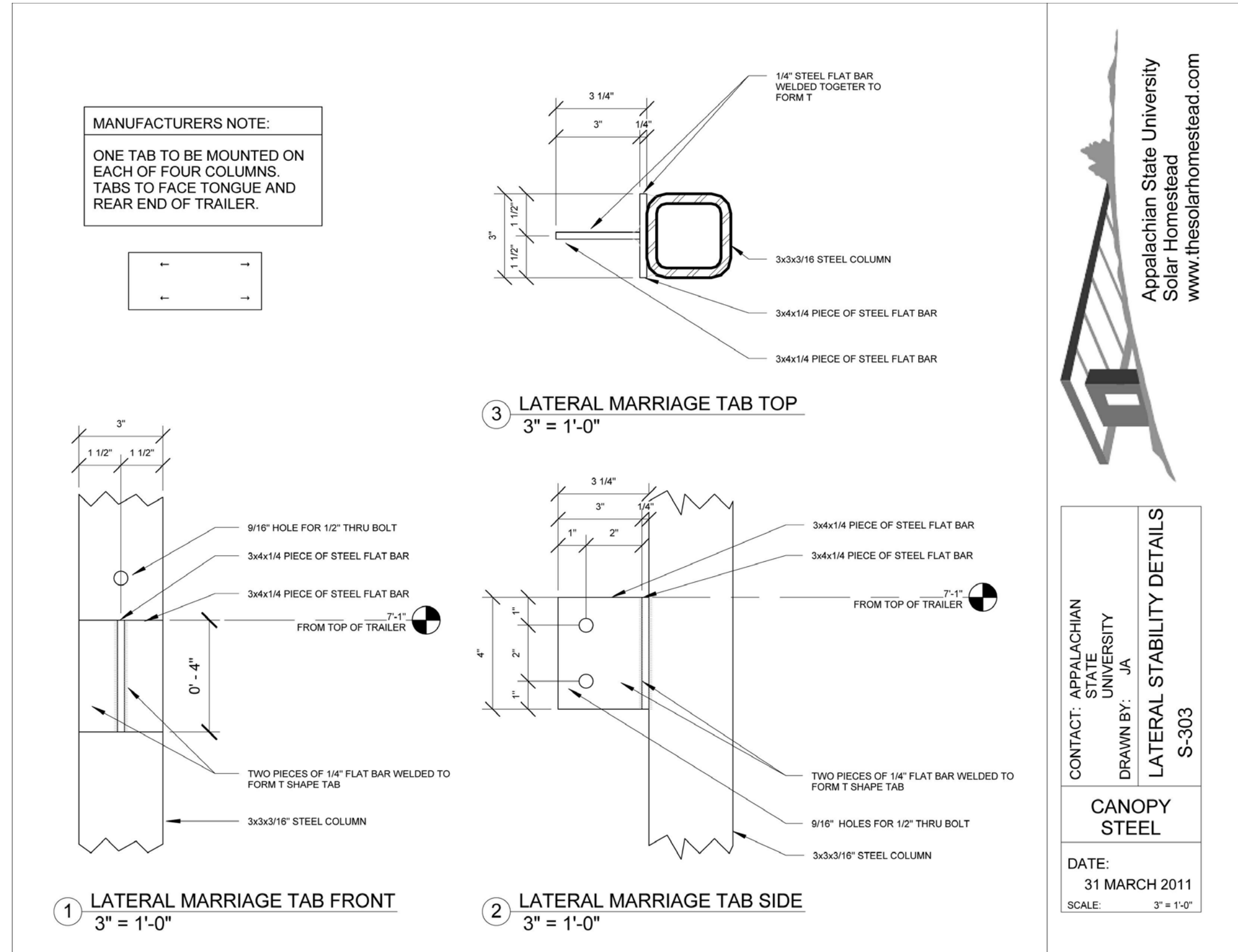
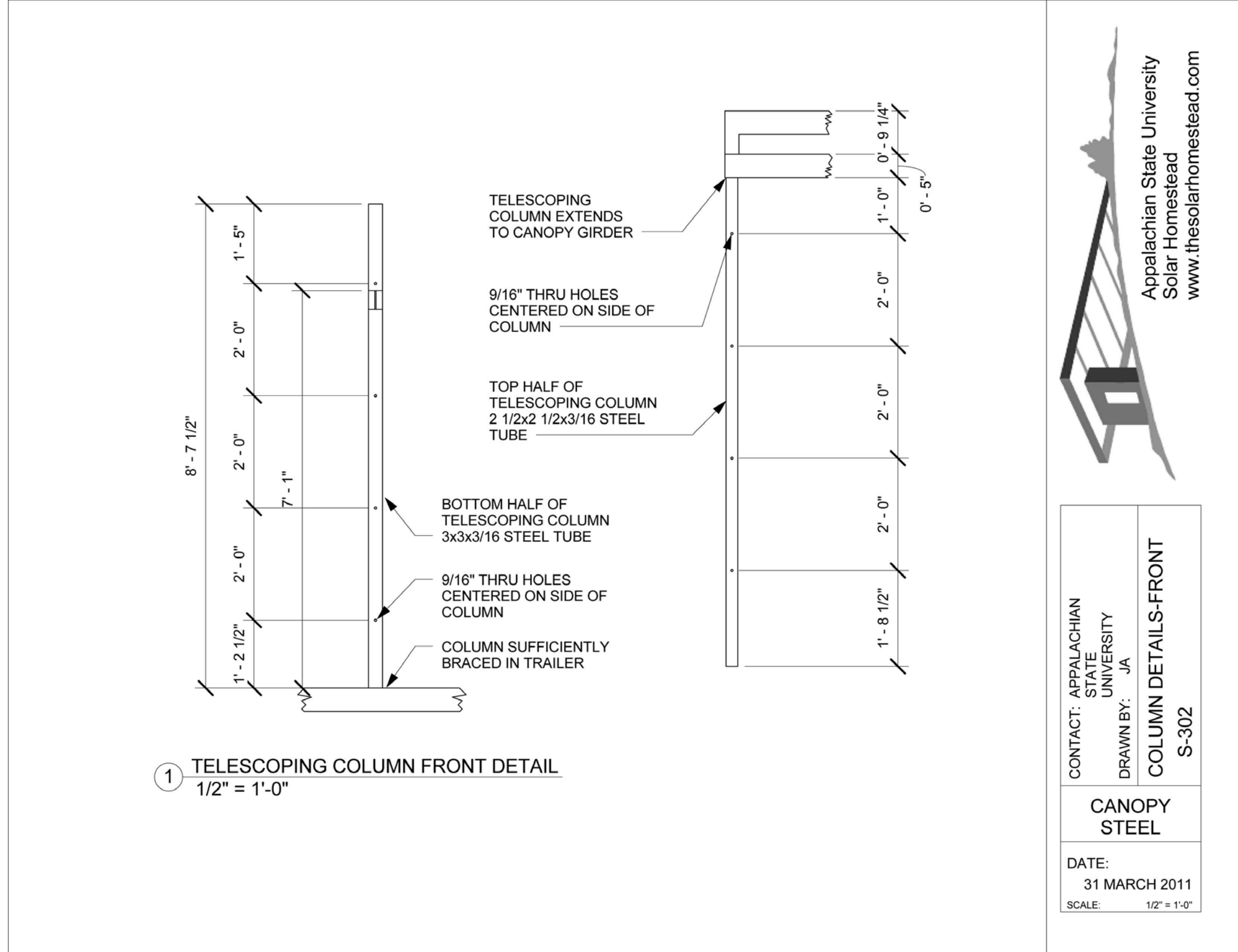
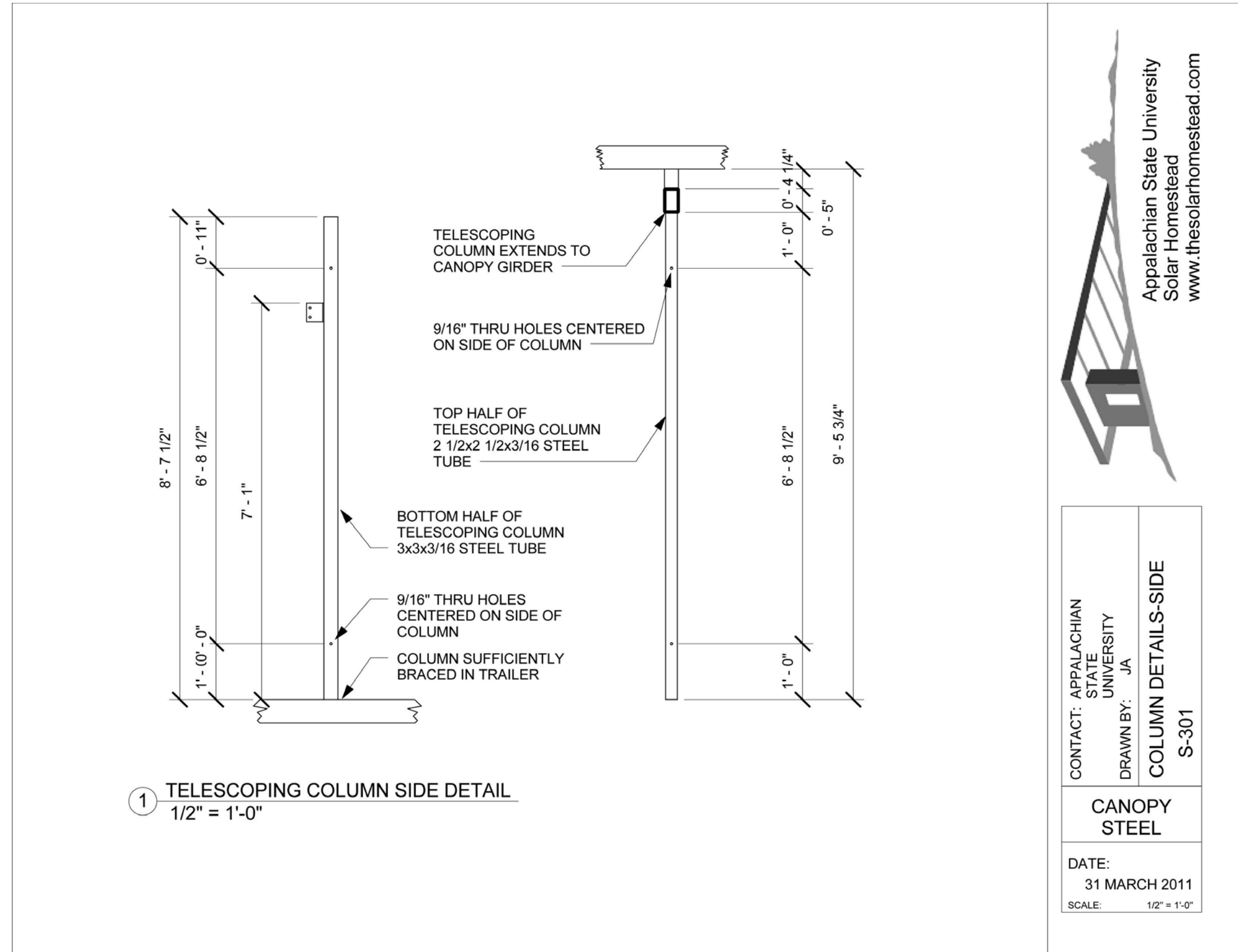
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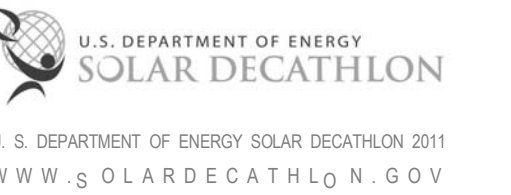


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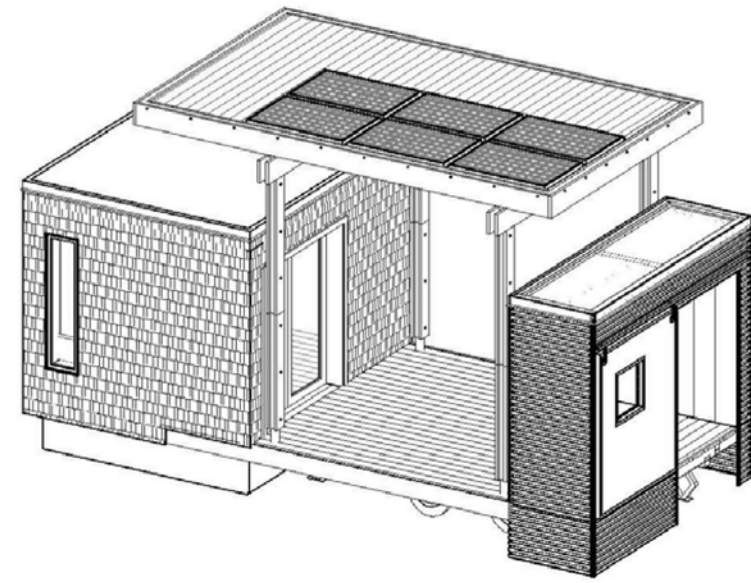
MARK - DATE - DESCRIPTION

SHEET TITLE:
OM CANOPY SHOP DRAWINGS 3

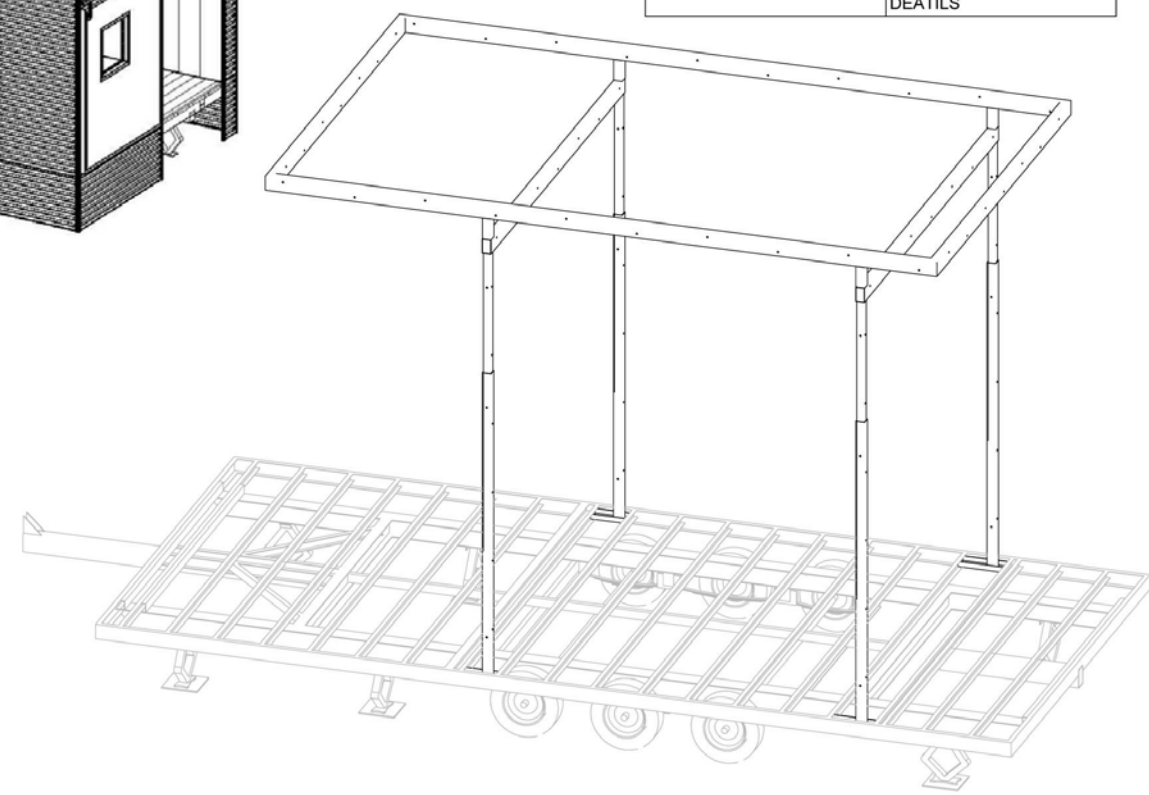
SHEET NUMBER:

Z-109

APPALACHIAN STATE UNIVERSITY
SOLAR HOMESTEAD
FLEX OM CANOPY



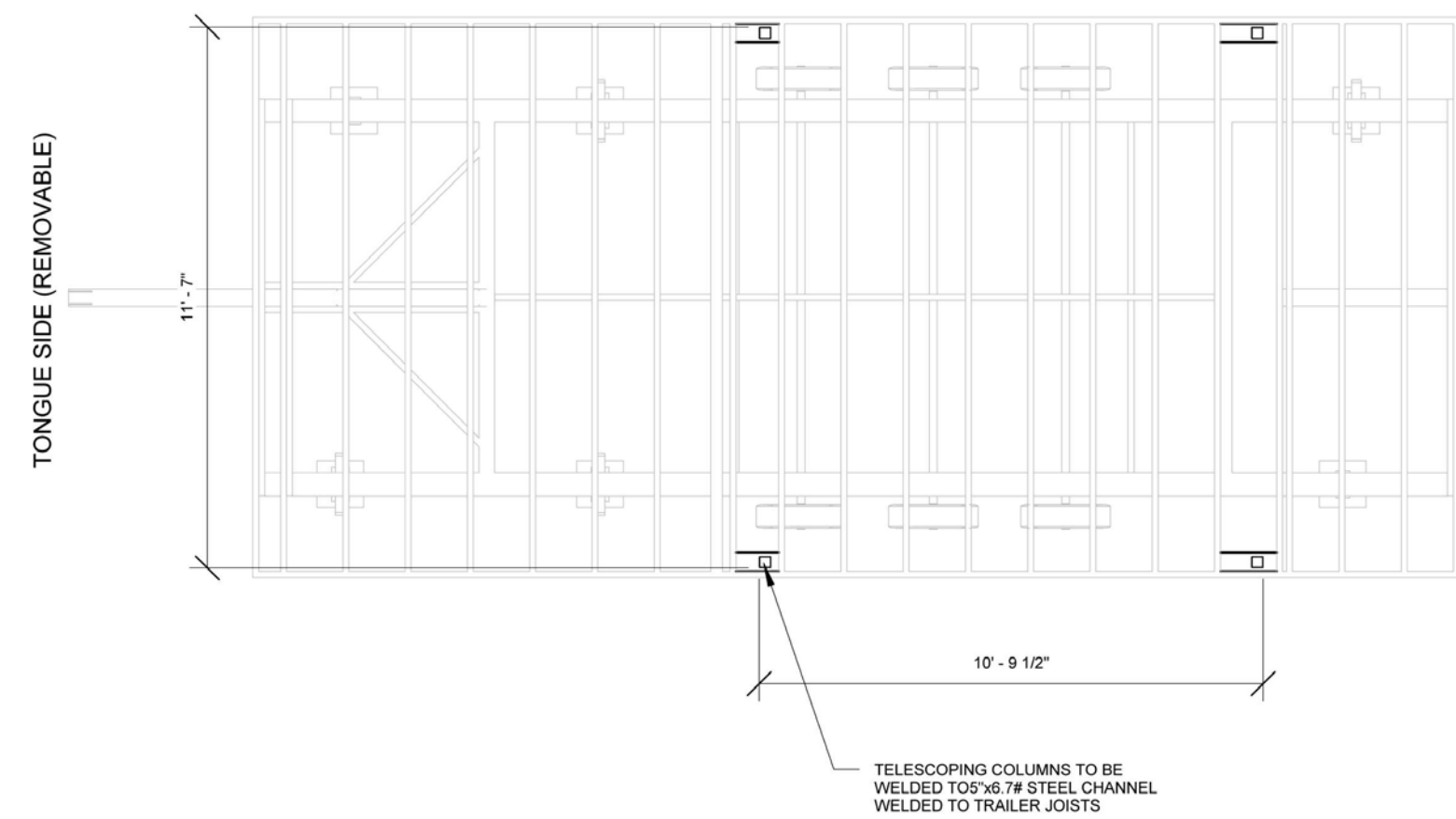
CONSTRUCTION NOTE:
ALL THRU BOLTS TO BE 1/2" GRADE 8



INDEX OF DRAWINGS	
SHEET NUMBER	SHEET NAME
S-000	COVER
S-101	TRAILER DECK PLAN
S-102	CANOPY GIRDER PLAN
S-103	CANOPY PLAN
S-201	FRONT OF TRAILER
S-202	LEFT SIDE
S-203	BACK OF TRAILER
S-204	RIGHT SIDE
S-301	COLUMN DETAILS-FRONT
S-302	COLUMN DETAILS-SIDE
S-303	LATERAL MARRIAGE DETAILS

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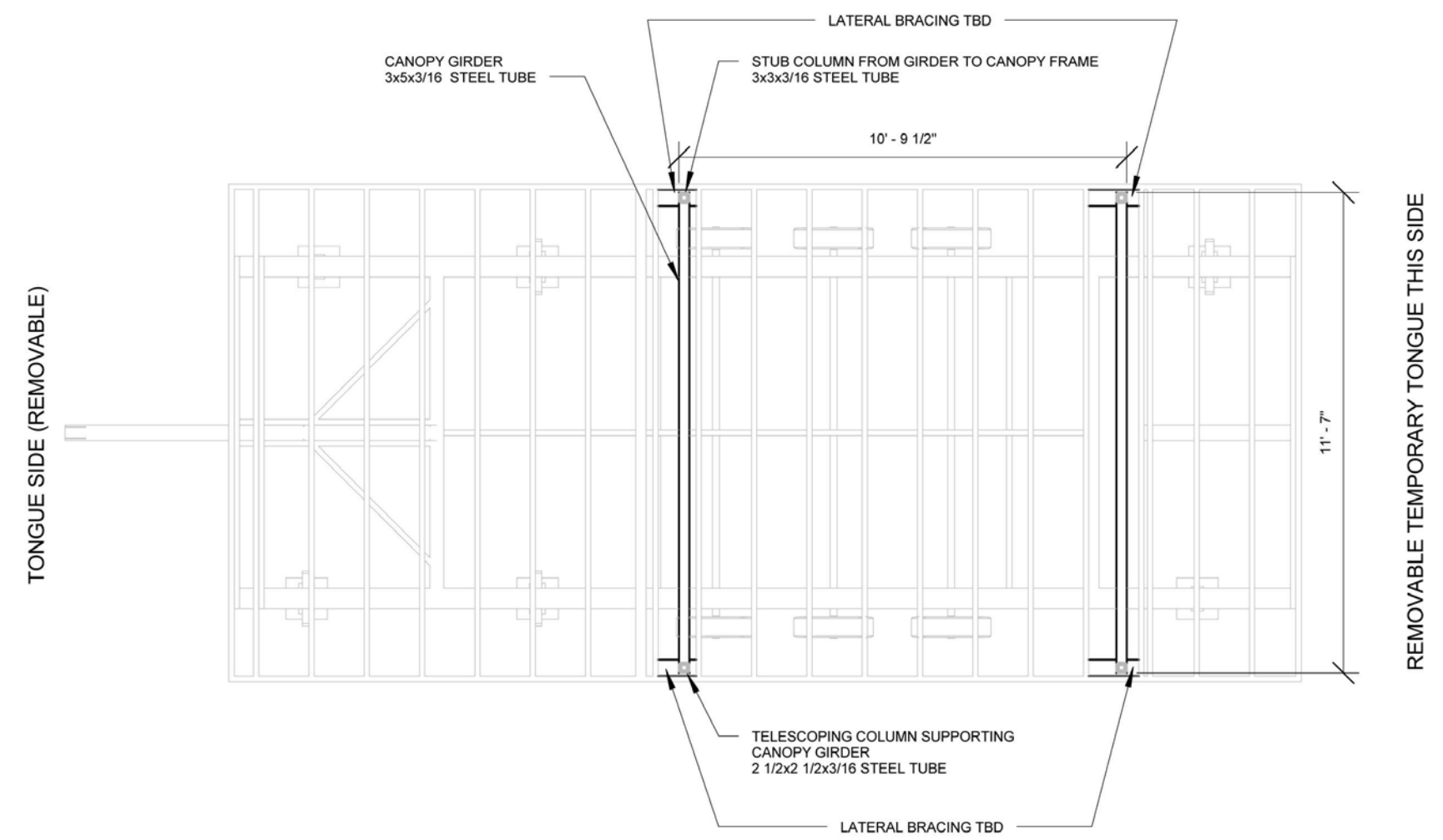
CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
COVER S-000
FLEX CANOPY
DATE: 31 MARCH 2011
SCALE:



1 TRAILER DECK PLAN
1/4" = 1'-0"

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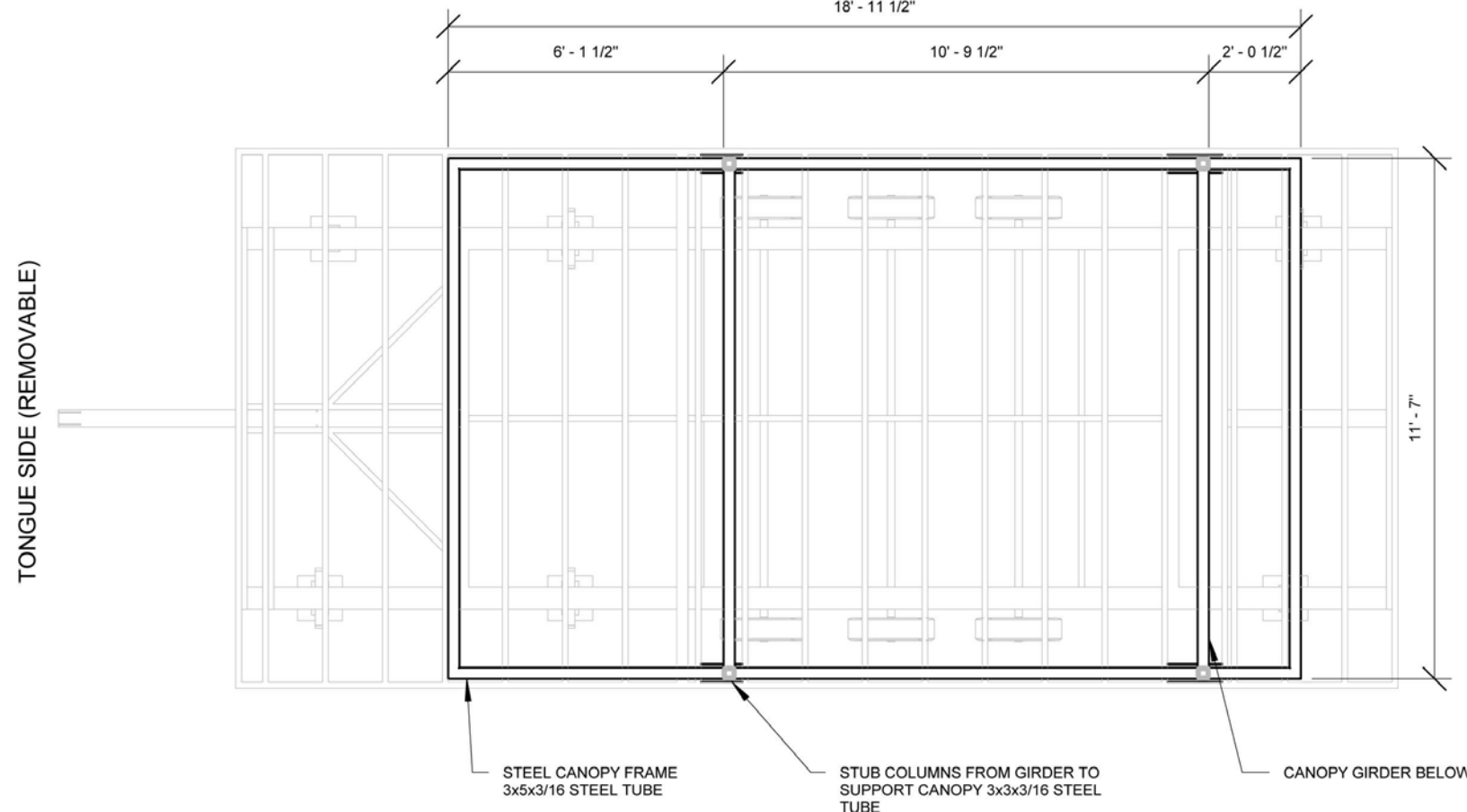
CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
TRAILER DECK PLAN S-101
FLEX CANOPY
DATE: 31 MARCH 2011
SCALE: 1/4" = 1'-0"



1 CANOPY GIRDER PLAN
1/4" = 1'-0"

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CONTACT: APPALACHIAN STATE UNIVERSITY
DRAWN BY: JA
CANOPY GIRDER PLAN S-102
FLEX CANOPY
DATE: 31 MARCH 2011
SCALE: 1/4" = 1'-0"



1 TOP OF CANOPY
1/4" = 1'-0"

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CONTACT: APPALACHIAN STATE UNIVERSITY
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CANOPY PLAN S-103
FLEX CANOPY
DATE: 31 MARCH 2011
SCALE: 1/4" = 1'-0"



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SHEET TITLE:
FLEX CANOPY SHOP DRAWINGS
1

SHEET NUMBER:

Z-110

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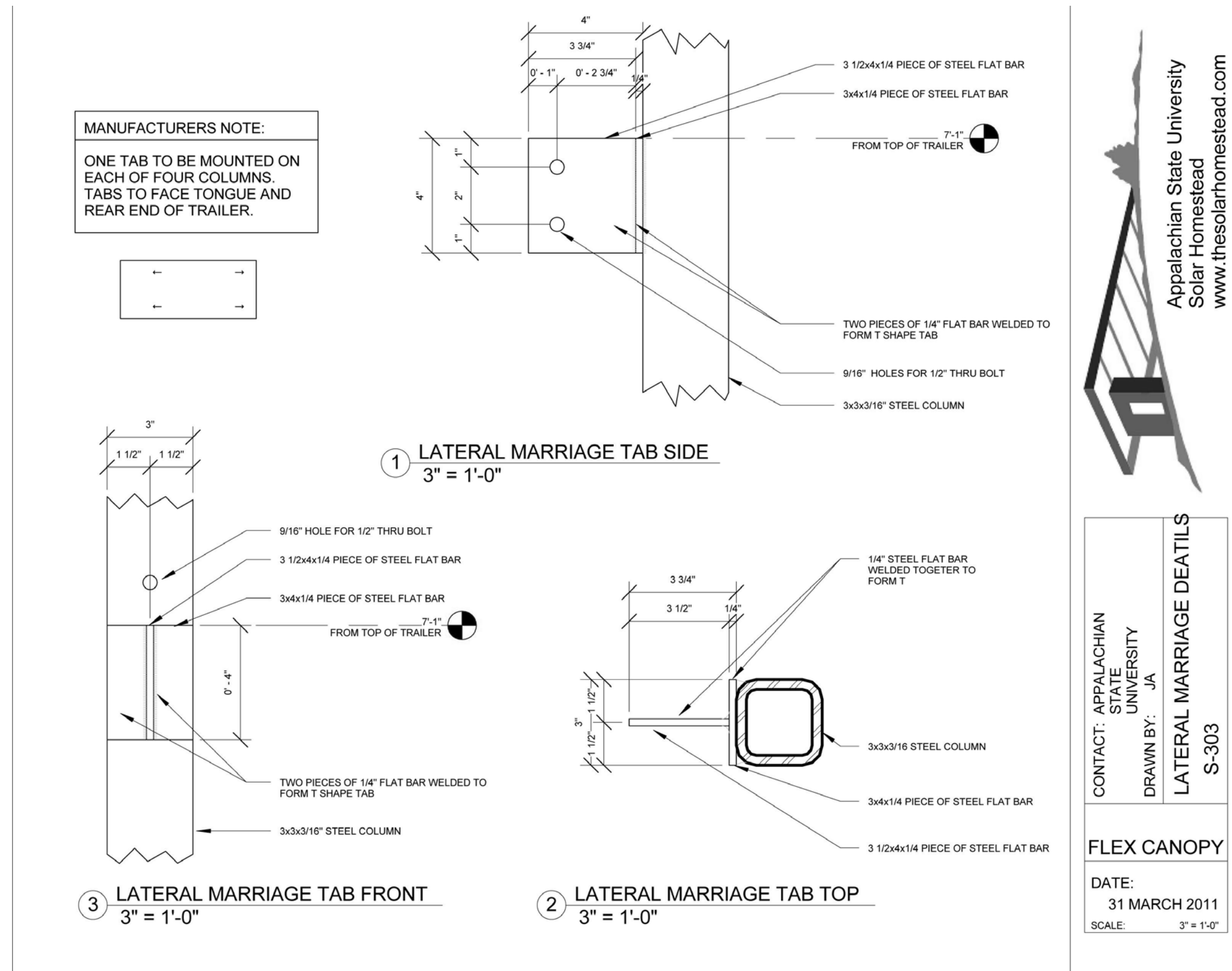
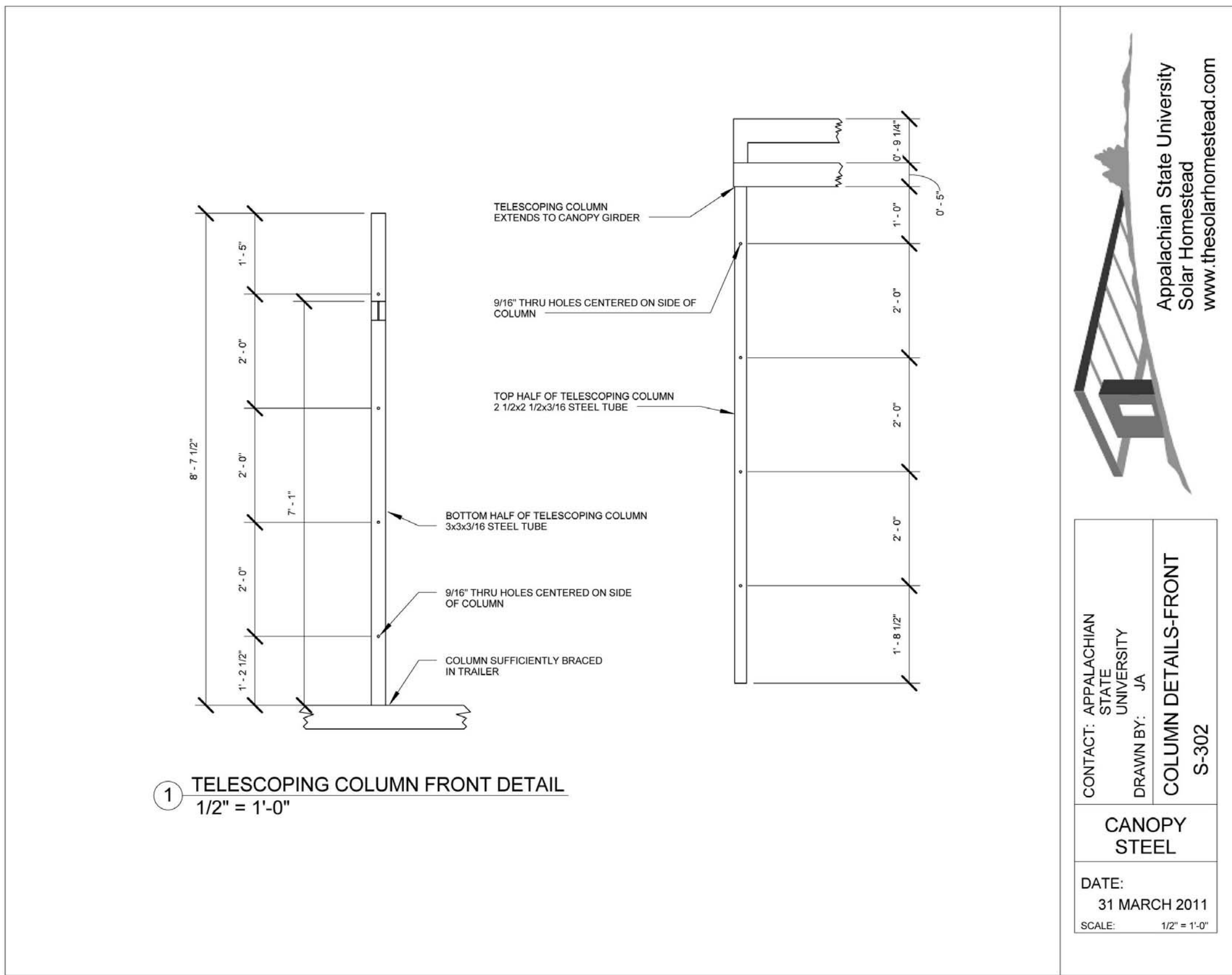
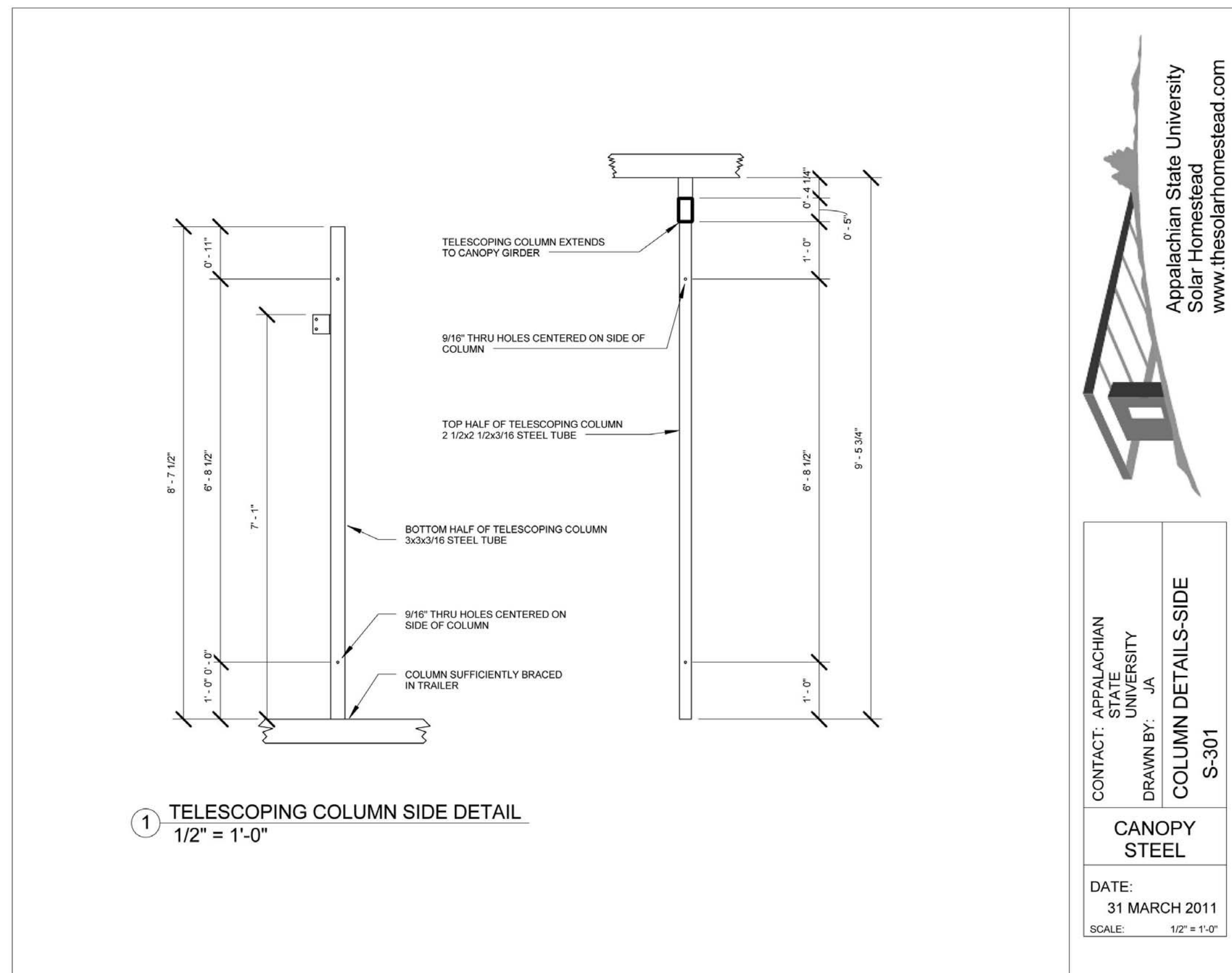
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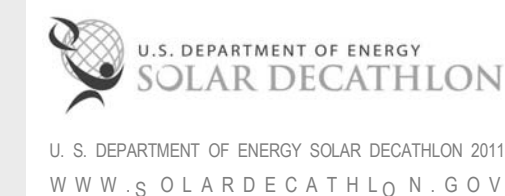


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SHEET TITLE:
FLEX CANOPY SHOP DRAWINGS
3

SHEET NUMBER:

Z-112



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SHEET TITLE:
MANUFACTURER TRUSSES PLAN

SHEET NUMBER:

Z-113



Trenco
818 Soundside Rd
Edenton, NC 27932

Re: SOLAR_HOMESTEAD
SOLAR_HOMESTEAD ROOF TRUSS

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Deltec Homes, Inc.

Pages or sheets covered by this seal: E6022802 thru E6022802
My license renewal date for the state of North Carolina is December 31, 2011.

North Carolina COA: C-0844

Important Notice: If visually graded lumber is used for the trusses covered by these designs, see "SP1B Important Notice, Dated July 28, 2010" (reprinted at www.mil.com) before use. Trenco does not warrant third-party lumber design values.



May 3, 2011

Lassiter, Frank

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2. Engineering services provided by Truss Engineering Company.

Table with columns: JOB, Truss, Truss Type, Qty, Ply, SOLAR_HOMESTEAD ROOF TRUSS, E6022802. Includes dimensions and scale 1/4" = 1'-0".

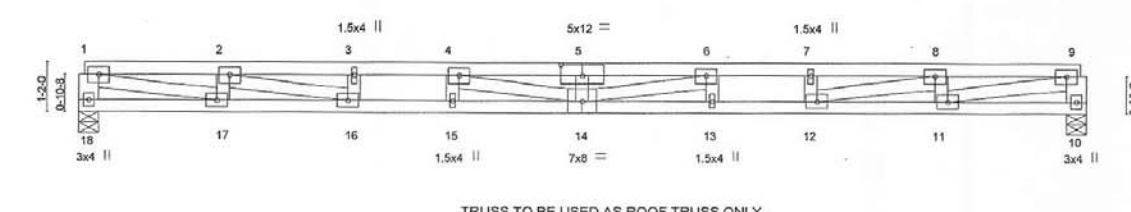
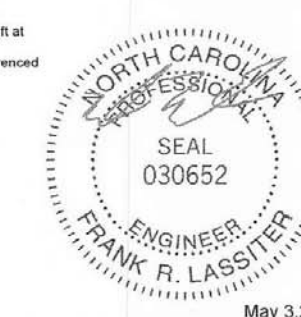


Table with columns: LUMBER, BRACING, REACTIONS, FORCES. Lists material specifications and load values.

NOTES: 1) Wind ASCE 7-05, 90mph; 2) Lumber CDL=1.25; 3) Provide adequate drainage to prevent water ponding; 4) This truss has been designed for a 10' pfd bottom chord live load nonconcurrent with any other live loads; 5) Provide mechanical connection for other trusses to bearing walls; 6) This truss is designed in accordance with the 2009 International Residential Code sections R502.1.1 and R502.10.2 and referenced standard ANSI/TPI-1.



May 3, 2011

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Technical drawing section containing: Symbols (Plate Location and Orientation, Plate Size, Lateral Bracing Location, Bearing), Numbering System (Top and Bottom Chords, Webs), and General Safety Notes (Failure to Follow Could Cause Property Damage or Personal Injury).

Truss plan view with detailed member numbering (1-17) and bracing specifications. Includes a table for member properties and notes.



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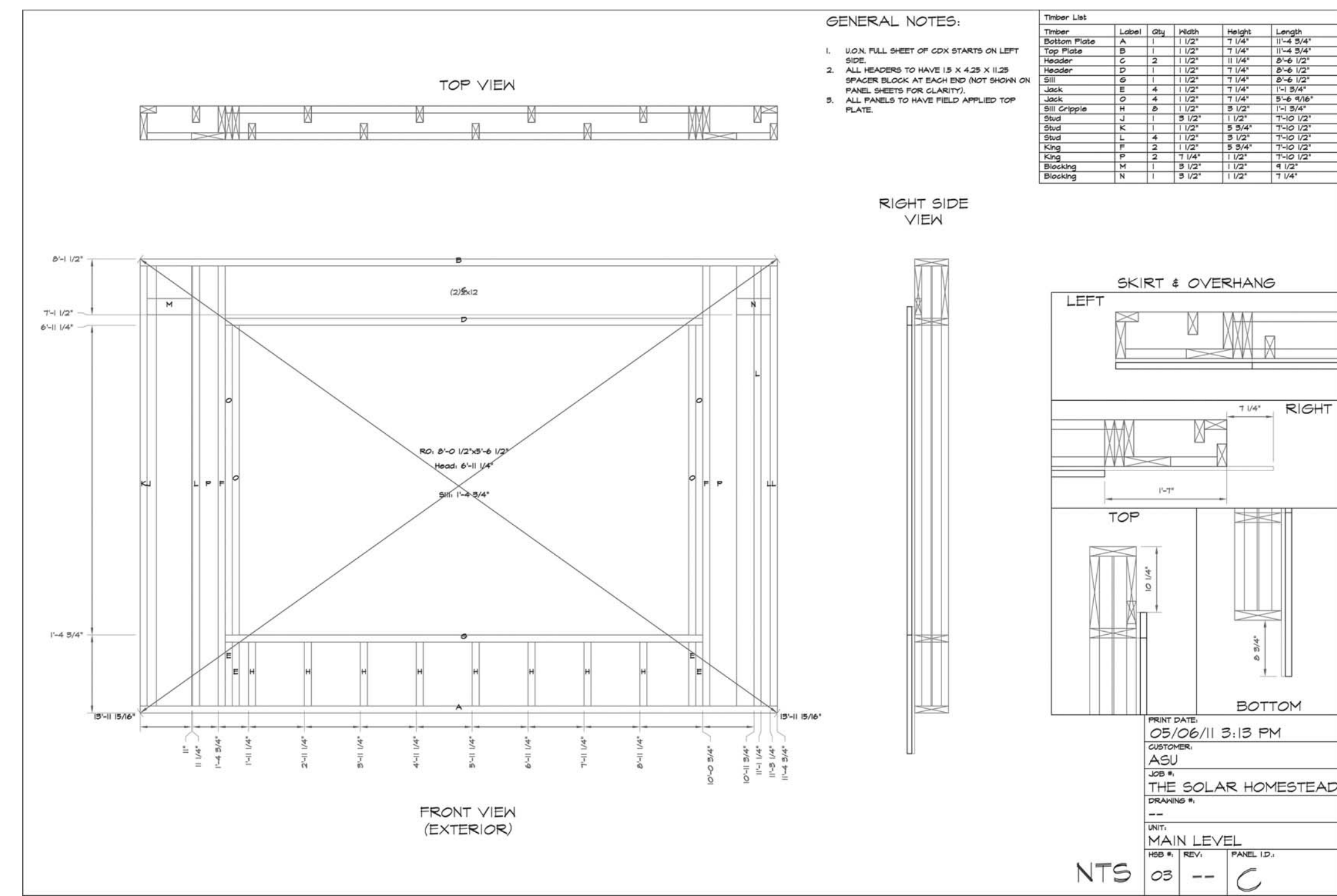
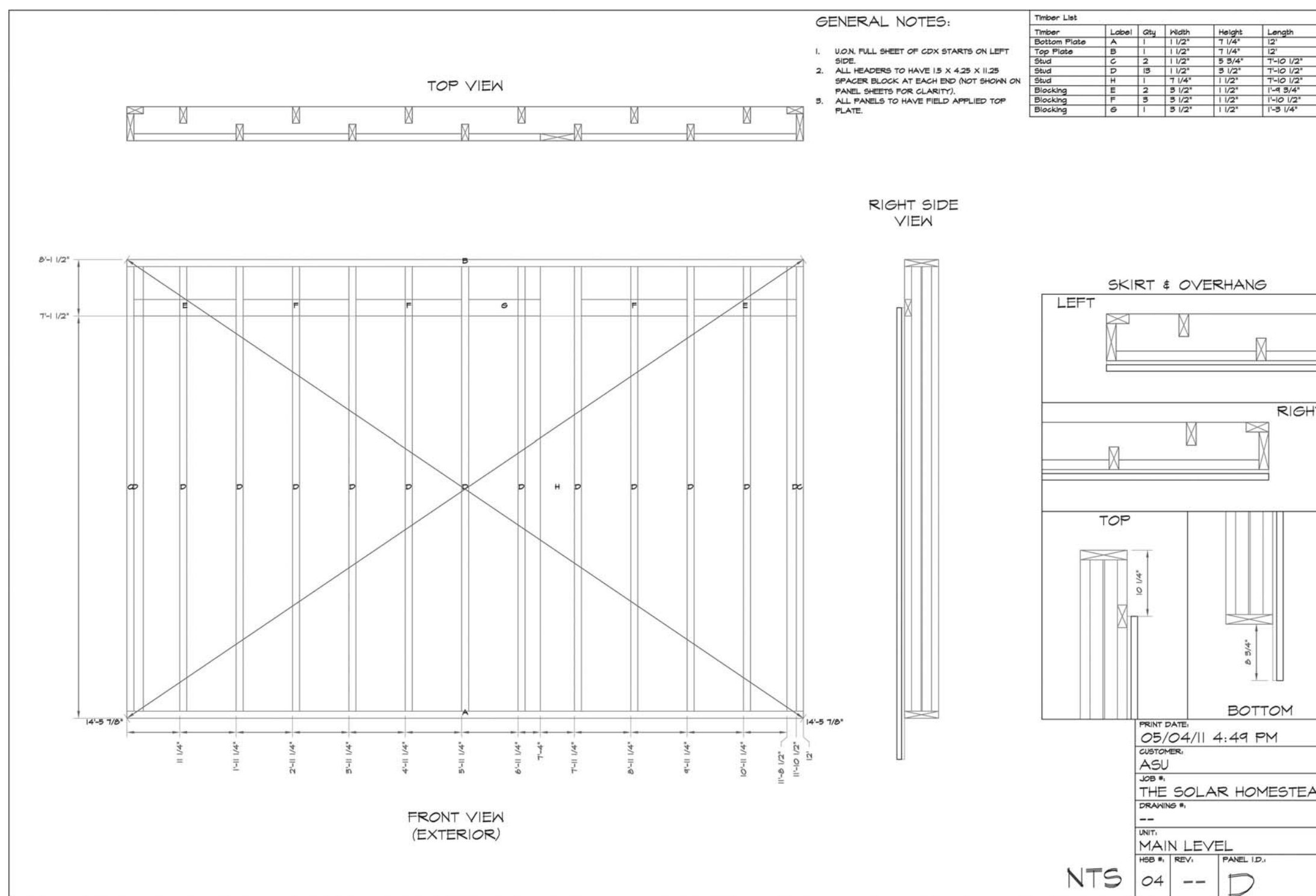
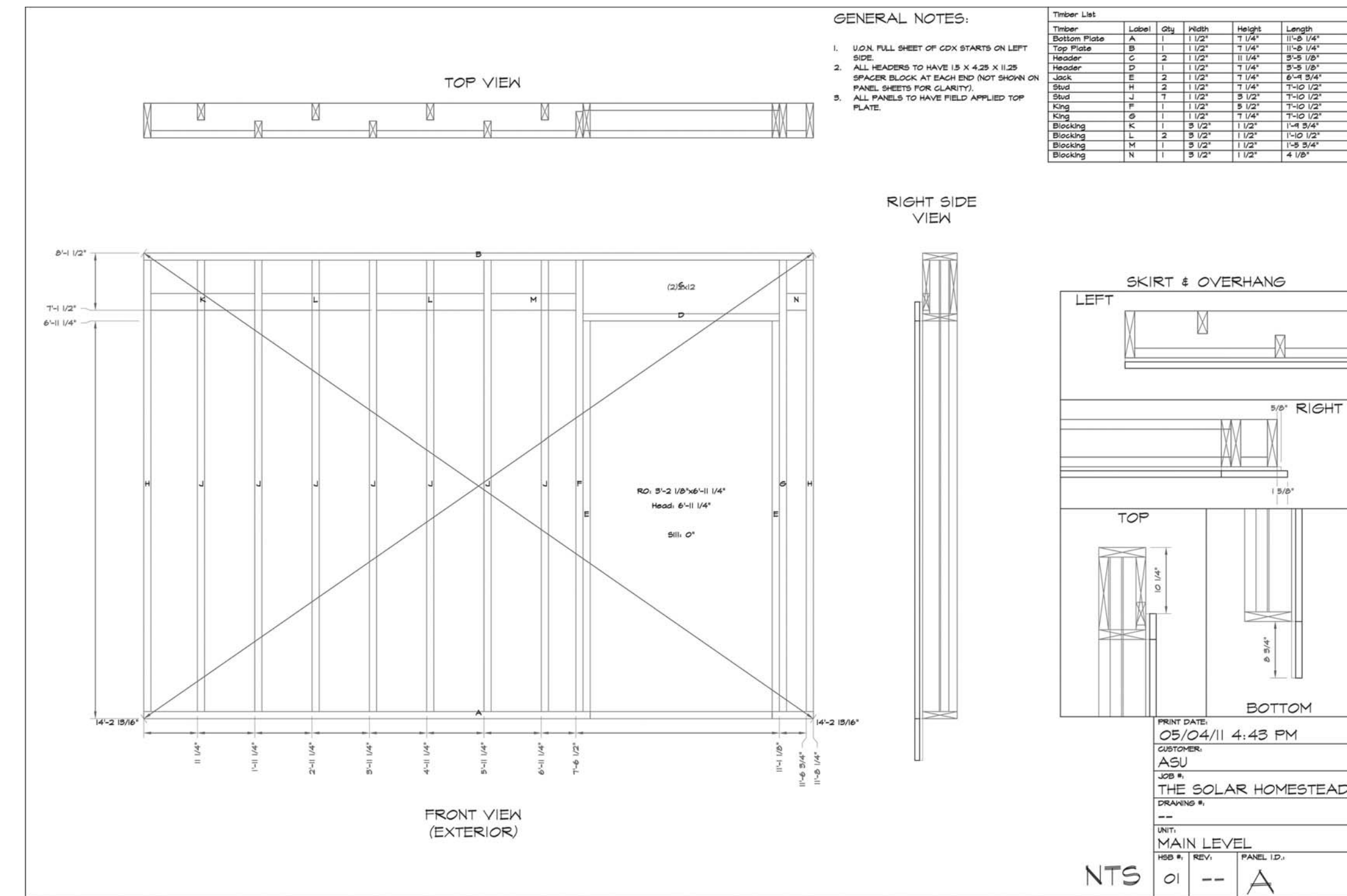
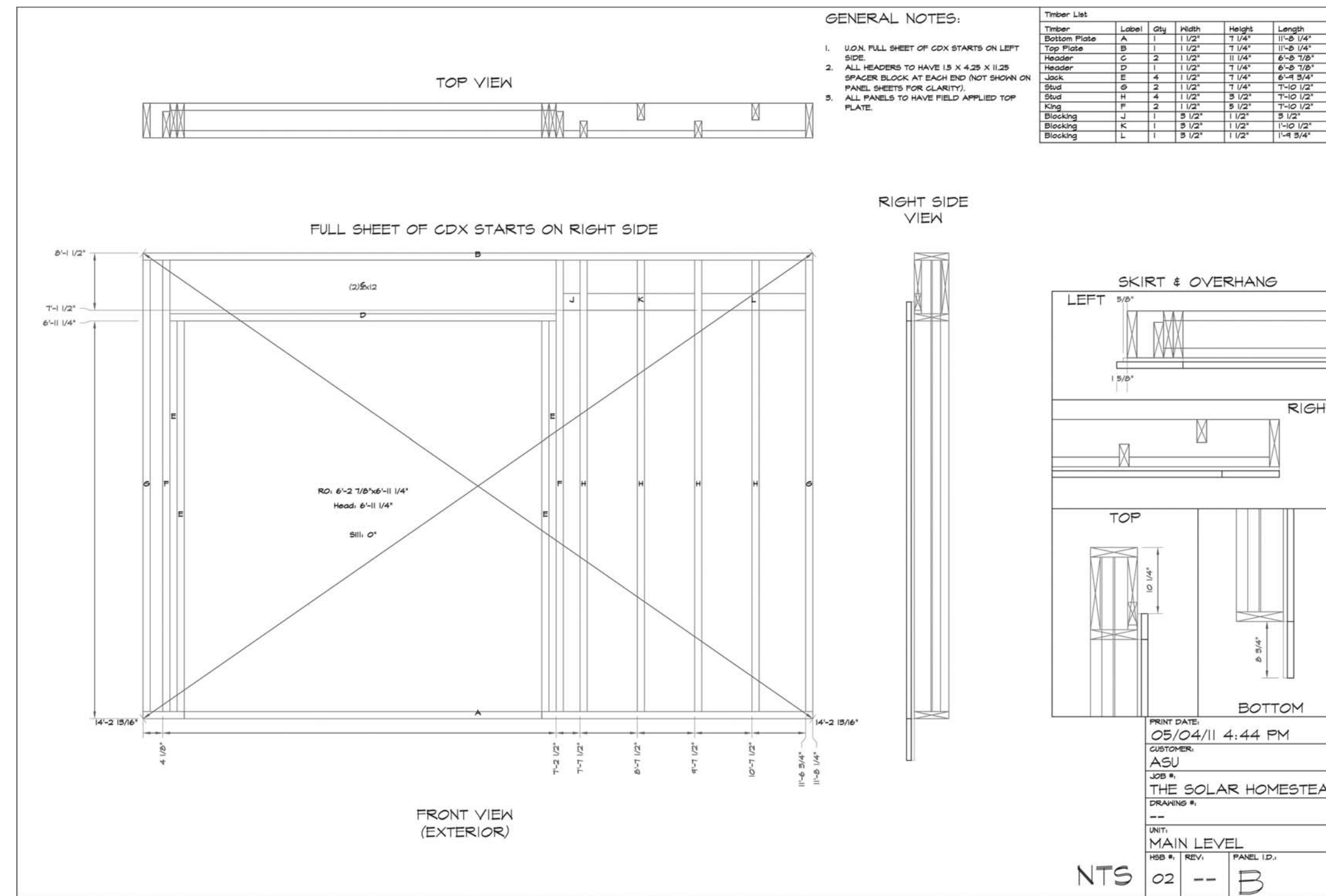
MARK - DATE - DESCRIPTION

SHEET TITLE:
WALL PANEL SHOP DRAWINGS 1

SHEET NUMBER:

Z-114

THE SOLAR HOMESTEAD



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SHEET TITLE:
WALL PANEL SHOP DRAWINGS 2

SHEET NUMBER:

Z-115

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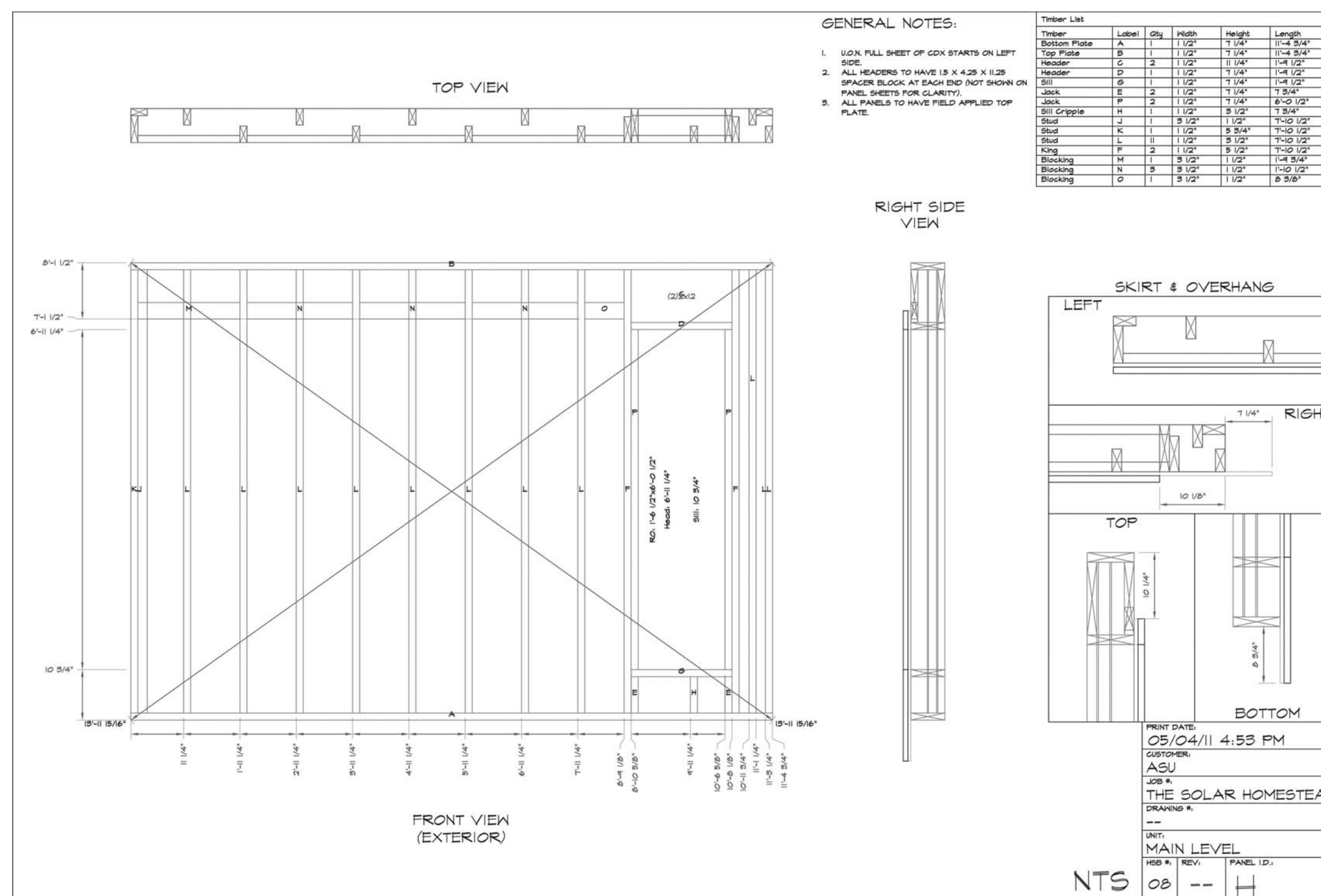
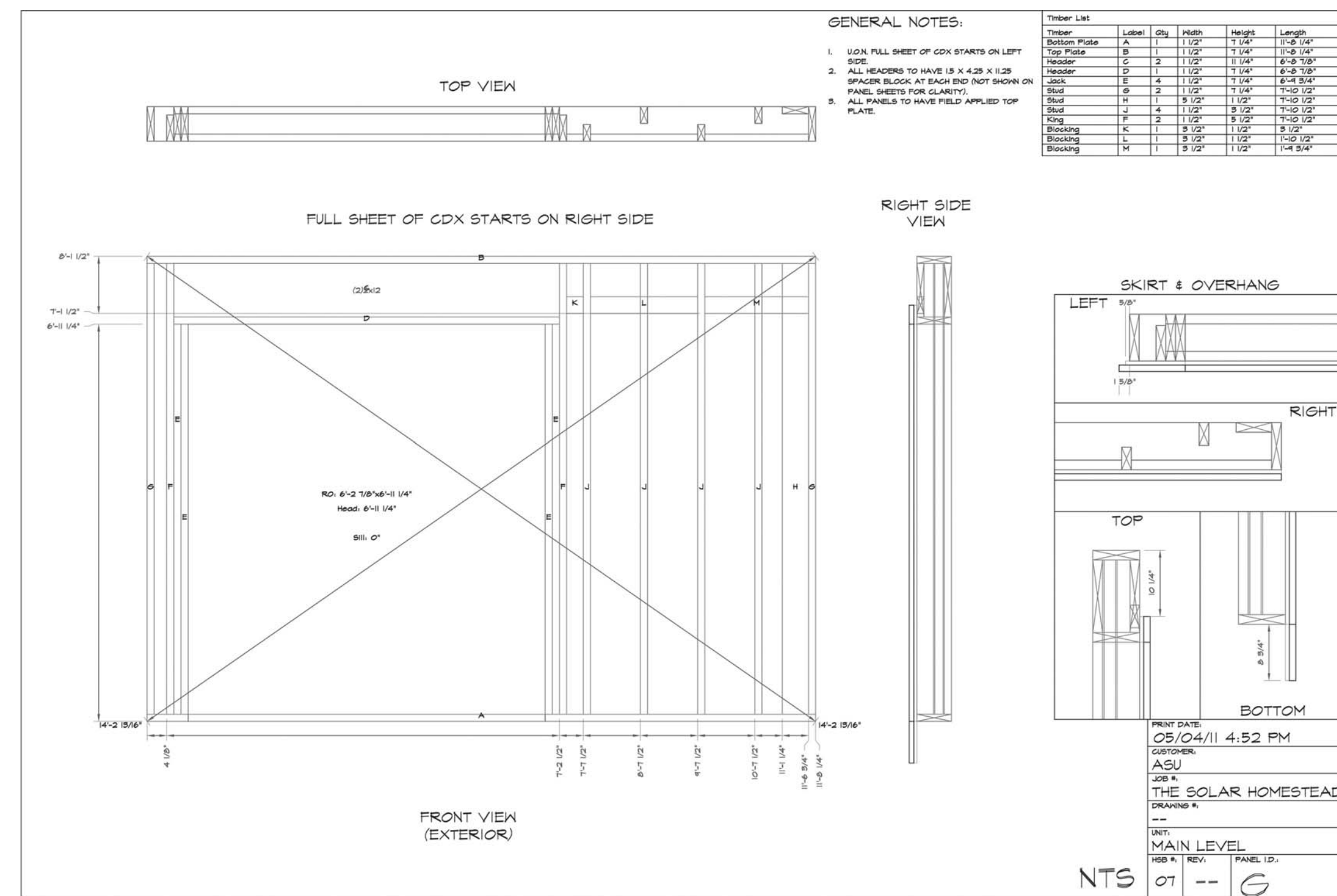
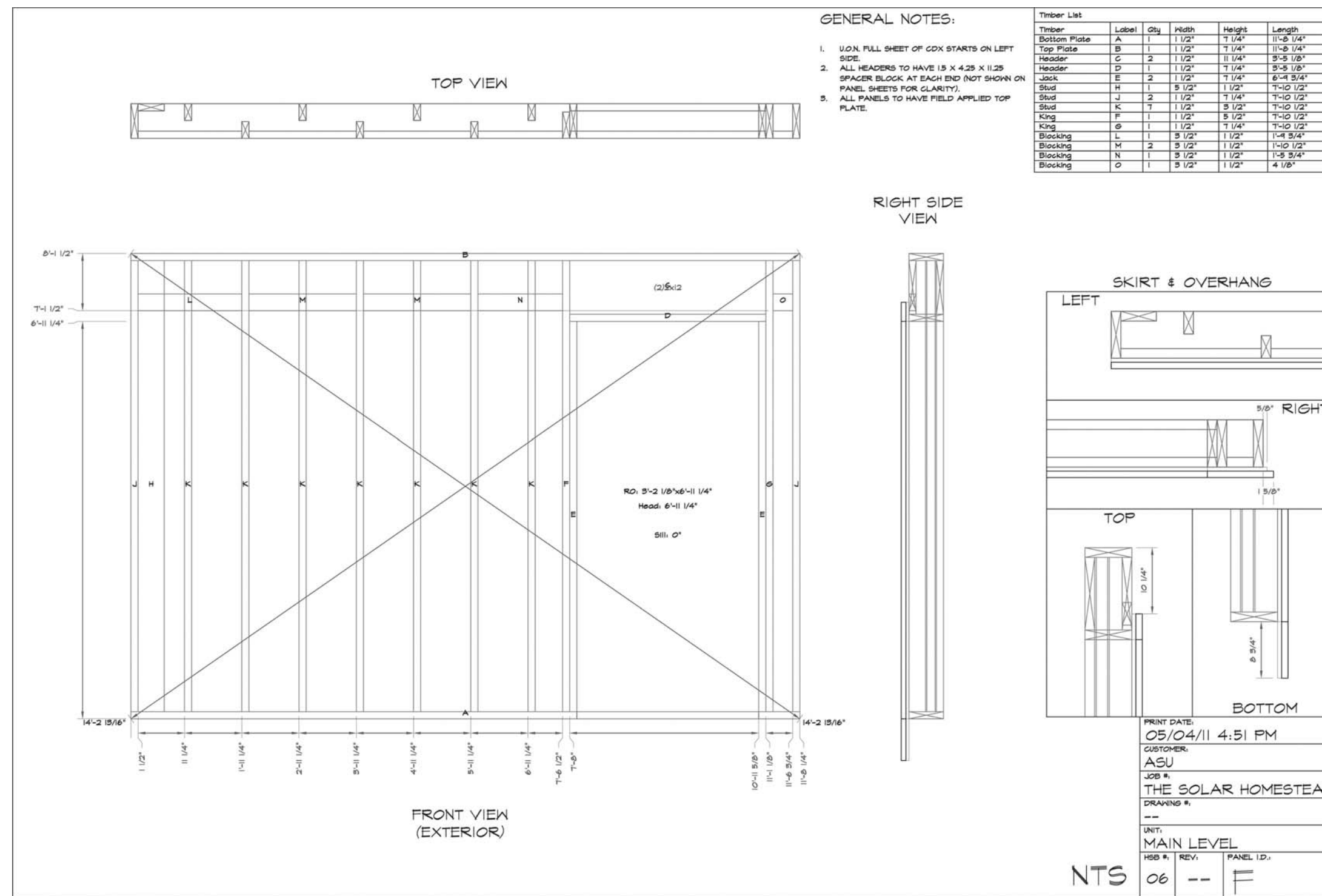
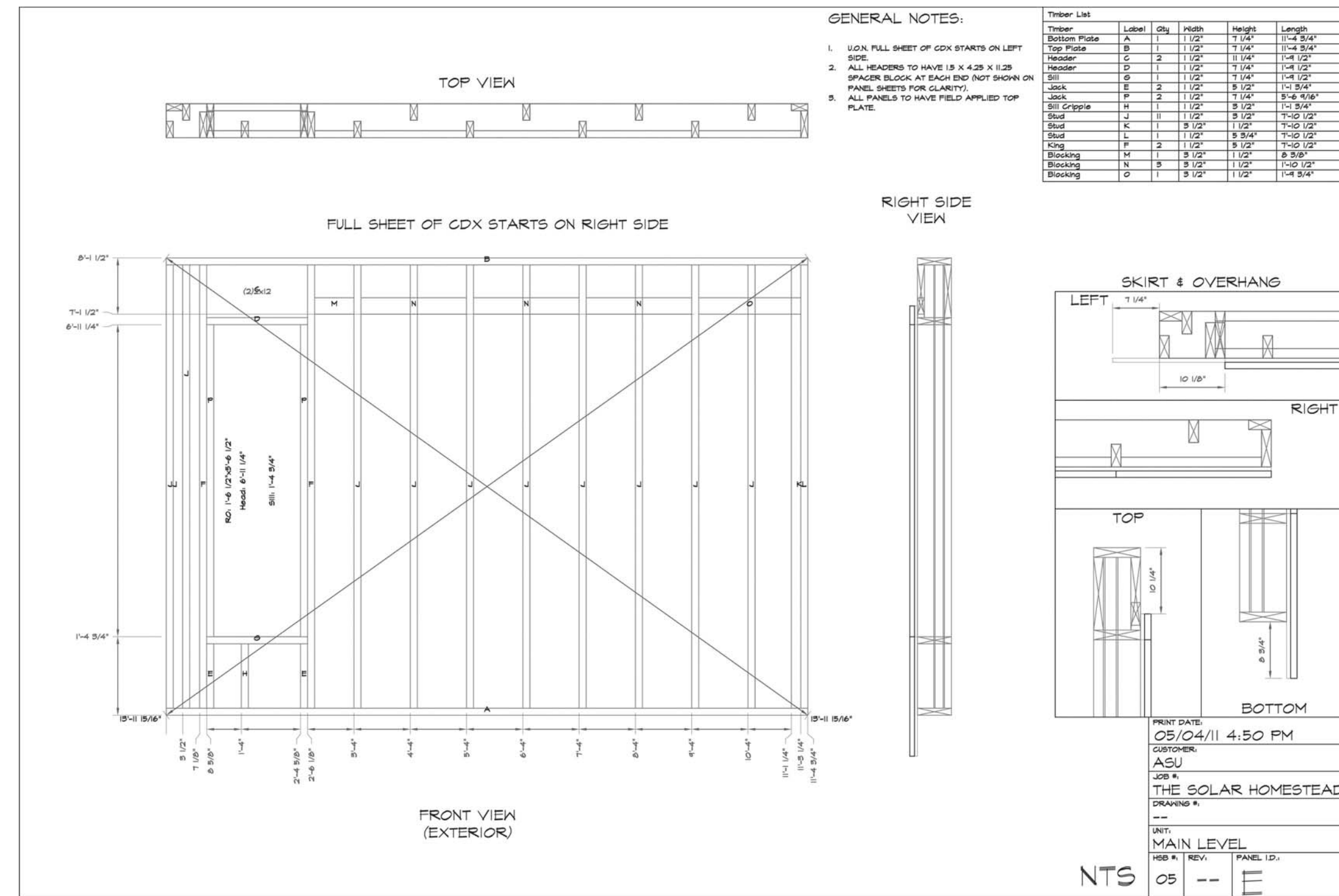
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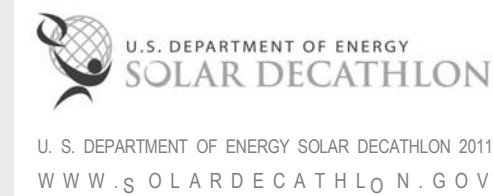


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SHEET TITLE:
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SHEET NUMBER:

Z-116

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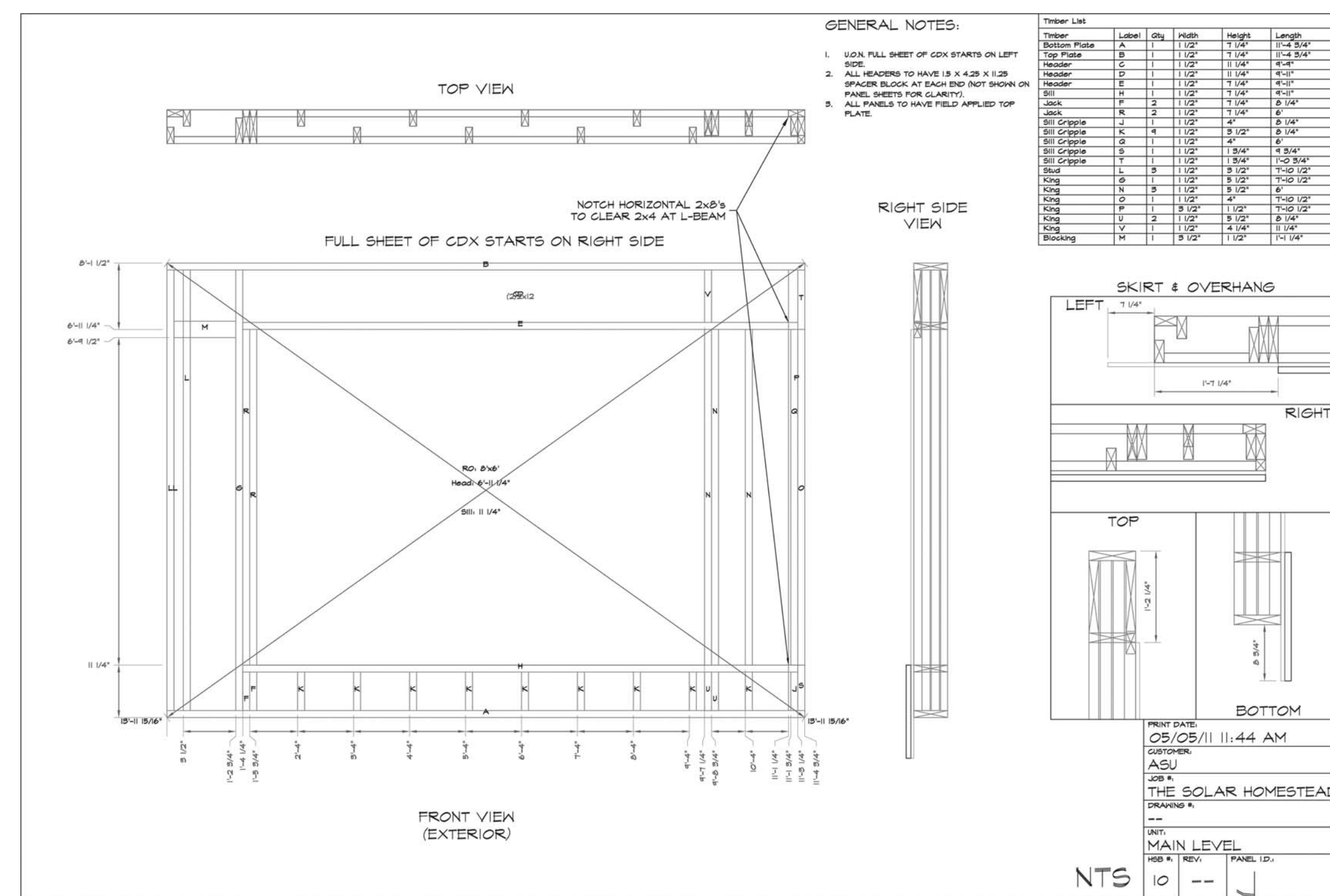
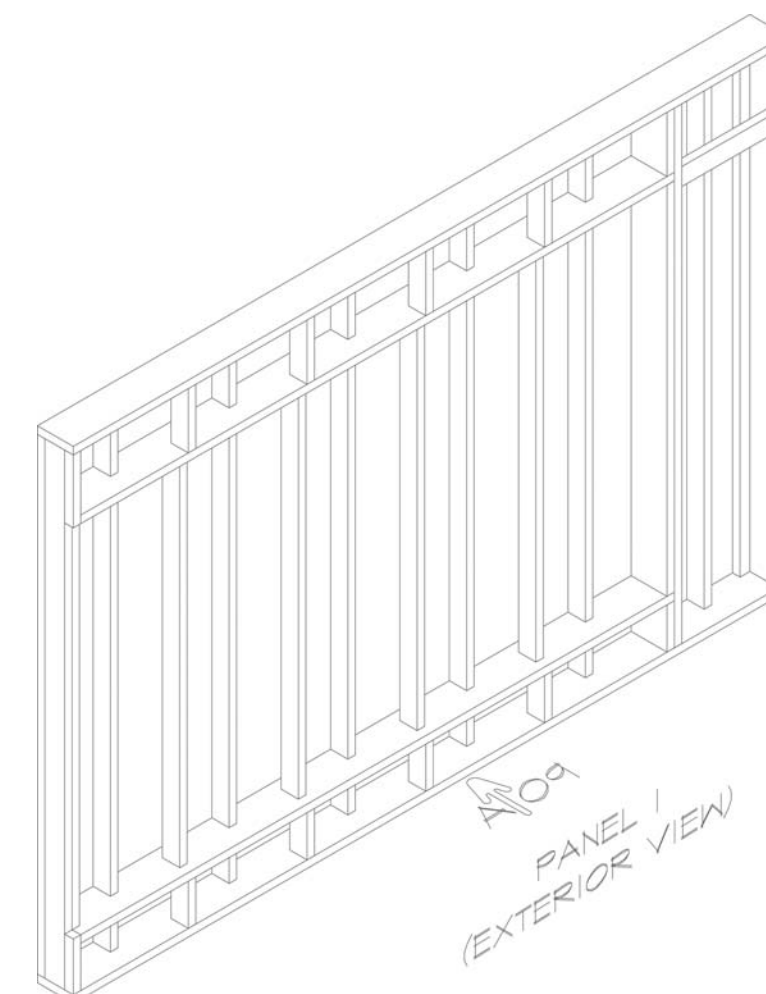
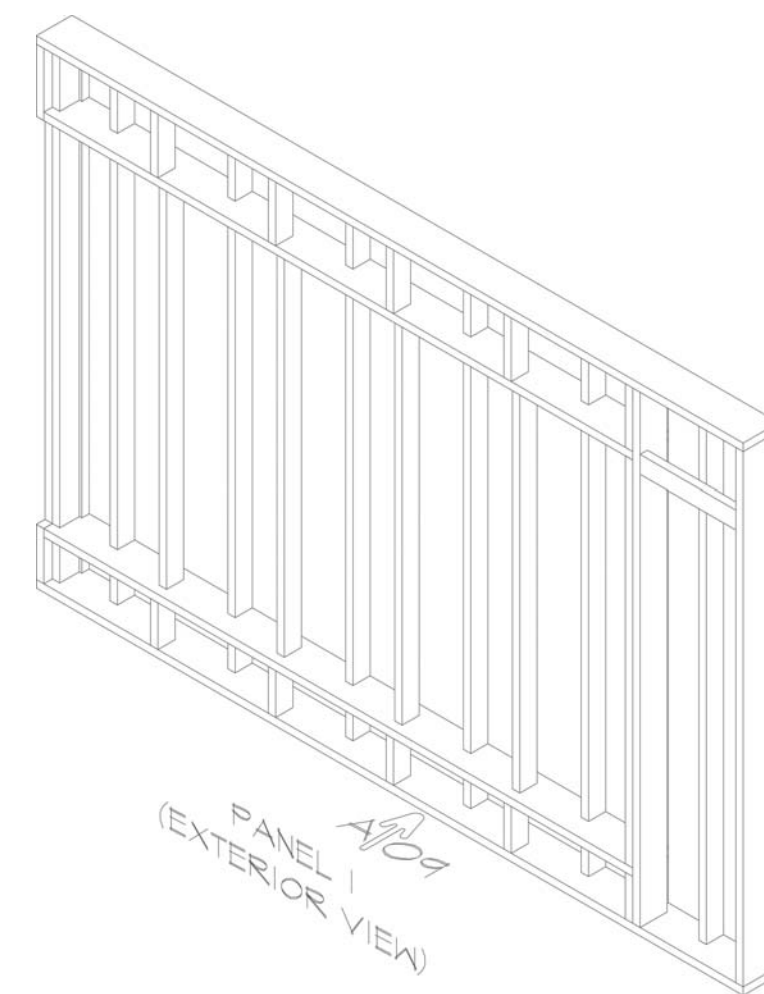
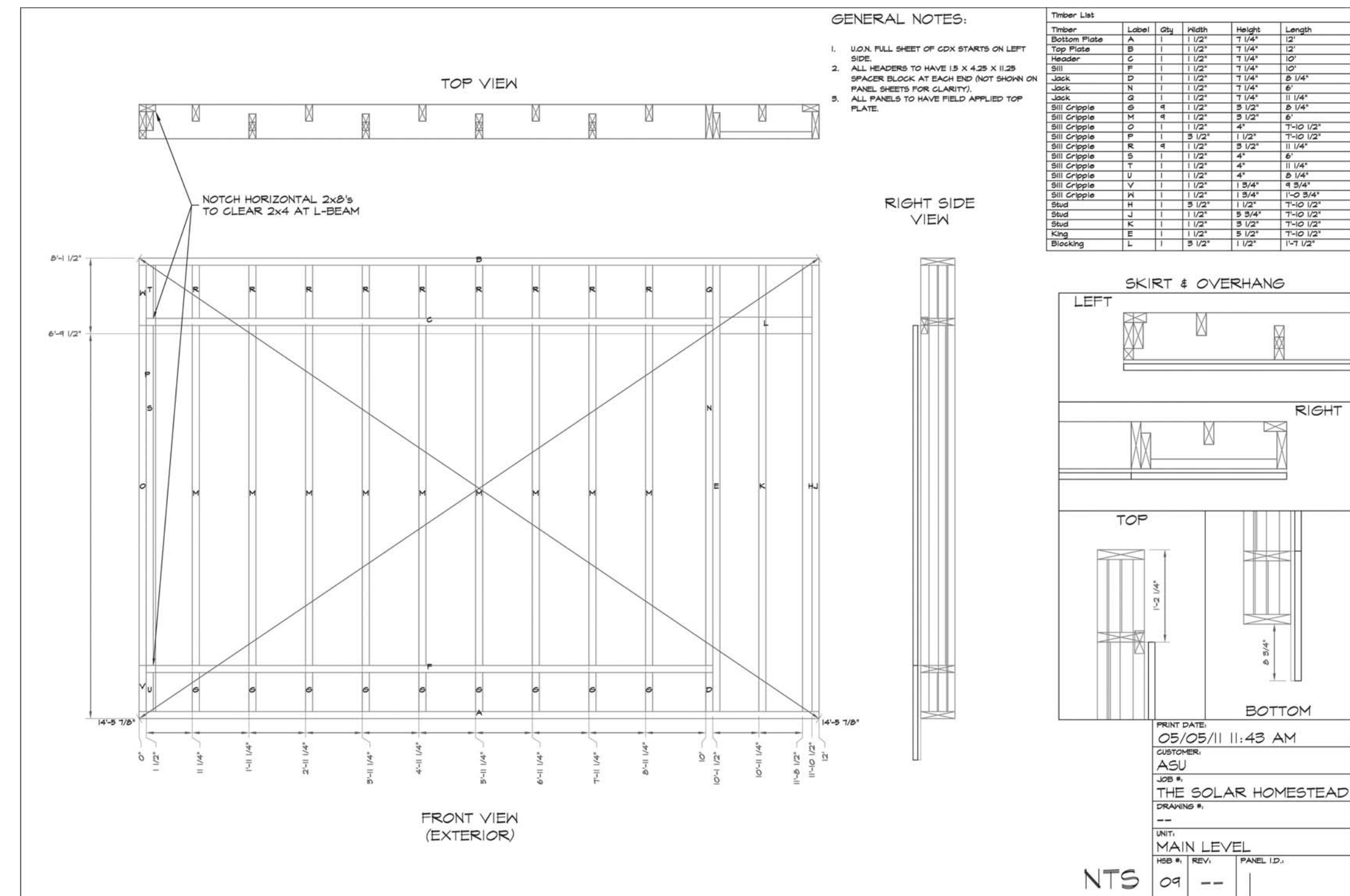
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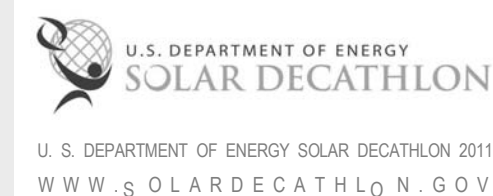


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SHEET TITLE:
GENERAL NOTES & LIST

SHEET NUMBER:

O-001

OPERATIONS SHEET LIST

SHEET NO	SHEET NAME
O-001	GENERAL NOTES & LIST
O-101	ARRIVAL SEQUENCE
O-102	ARRIVAL SEQUENCE
O-103	ARRIVAL SEQUENCE
O-104	ARRIVAL SEQUENCE
O-105	DEPARTURE SEQUENCE PLAN
O-106	DEPARTURE SEQUENCE PLAN
O-107	DEPARTURE SEQUENCE PLAN
O-108	DEPARTURE SEQUENCE PLAN
O-109	WATER DELIVERY
O-110	WATER REMOVAL
O-111	WATER REMOVAL
O-602	TRUCK LOADING DIAGRAM

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THE SOLAR HOMESTEAD

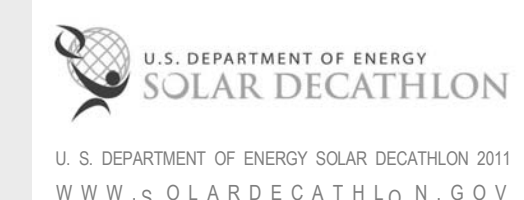


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SHEET TITLE:
ARRIVAL SEQUENCE

SHEET NUMBER:

0-101

GENERAL SHEET NOTES

- TRAILERS TO BE PLACED USING MULTI DIRECTIONAL HYDRAULIC JACK AND RAIL POSITIONING SYSTEM
- FOOTERS ARE PLACED AFTER INDIVIDUAL TRAILERS HAVE BEEN POSITIONED
- ASSEMBLY 2 STAGE 1 - 3 USED AS TYPICAL OM DELIVERY PATHWAY FOR ASSEMBLY 2 - 7

SITE OPERATIONS LEGEND

- TRAILER #
- VEHICLE PATHWAY
- 1 TON TRUCK
- SEMI TRUCK

ASSEMBLY 1 NOTES

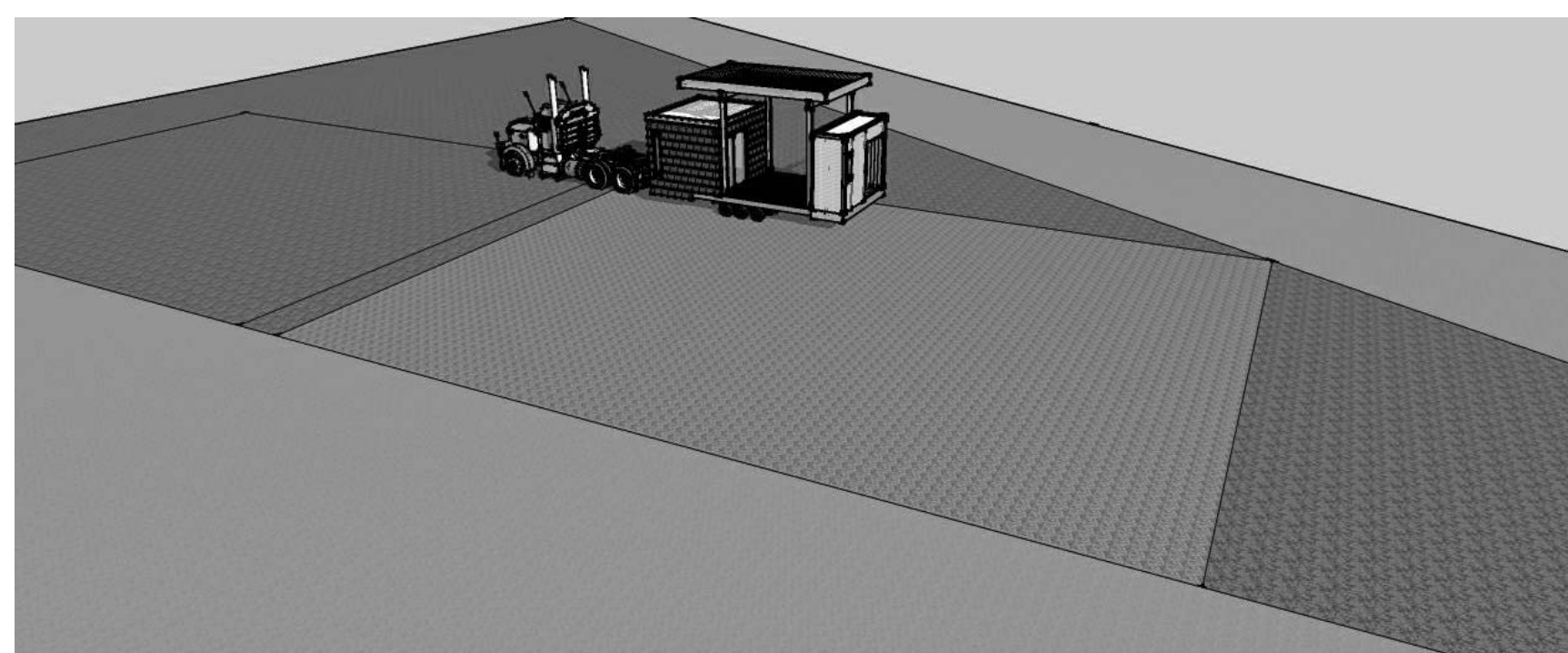
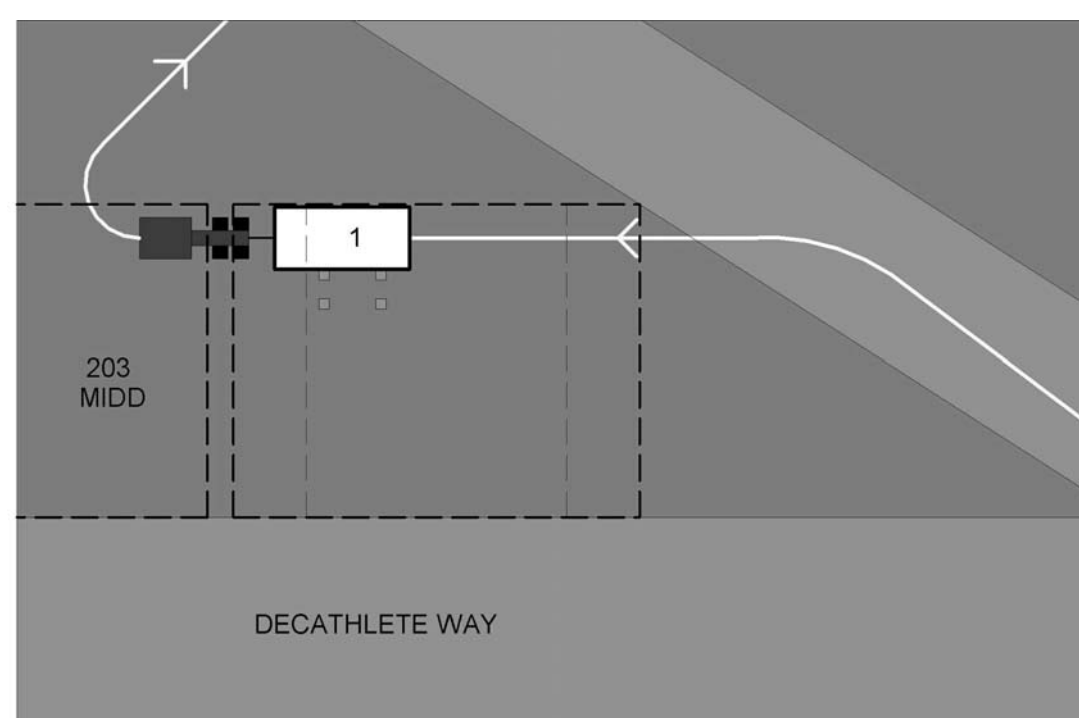
- PULL THROUGH METHOD TO BE USED FOR DELIVERY OF THE FLEX OM TRAILER
- ENTIRE TRUCK AND TRAILER TO PULL TO FINAL TRAILER POSITION
- TRUCK WILL THEN UNHITCH AND PULL AWAY IMMEDIATELY TO THE NORTH TO MINIMIZE ENCROACHMENT ON LOT TO THE WEST

ASSEMBLY 2 STAGE 1 NOTES

- DELIVERY TRUCK TO PULL OM ONTO SITE AND UNHOOK FROM TRAILER
- SITE TRUCK STANDING BY

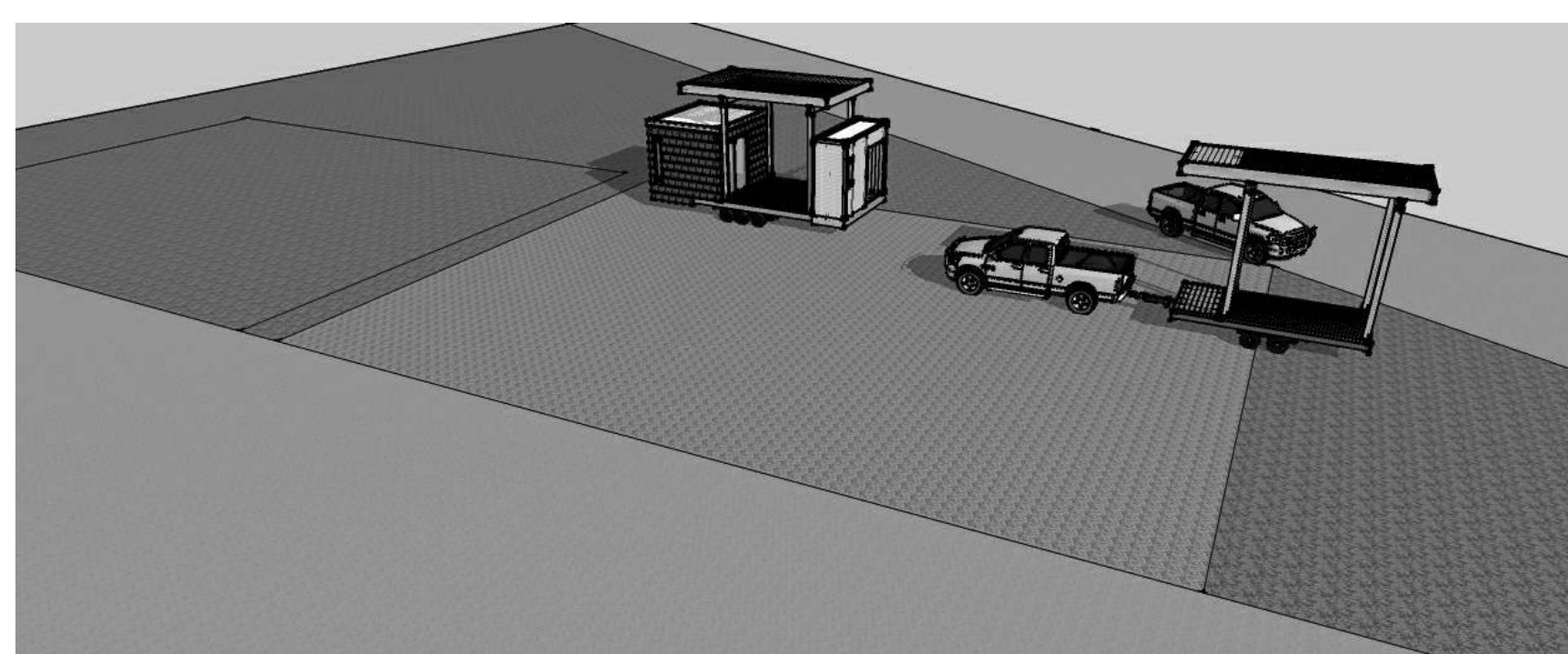
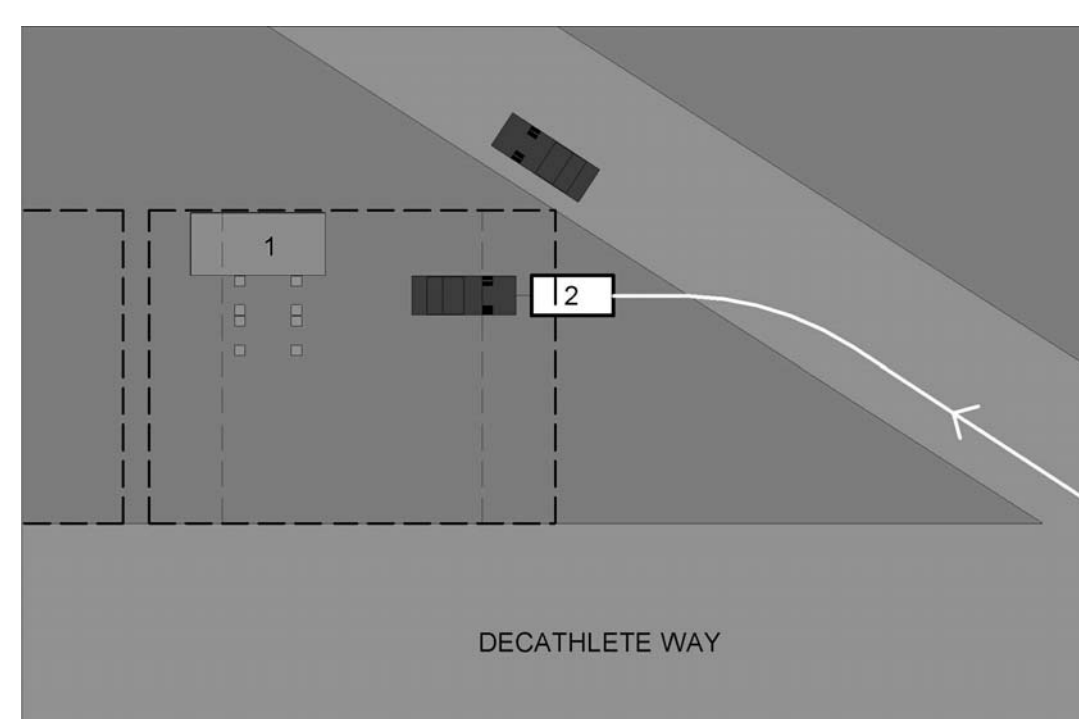
ASSEMBLY 2 STAGE 2 NOTES

- TONGUE IS REMOVED AND REVERSED ON OM TRAILER
- SITE TRUCK MOVES INTO POSITION AND HOOKS TO OM AS DELIVERY TRUCK PULLS AWAY



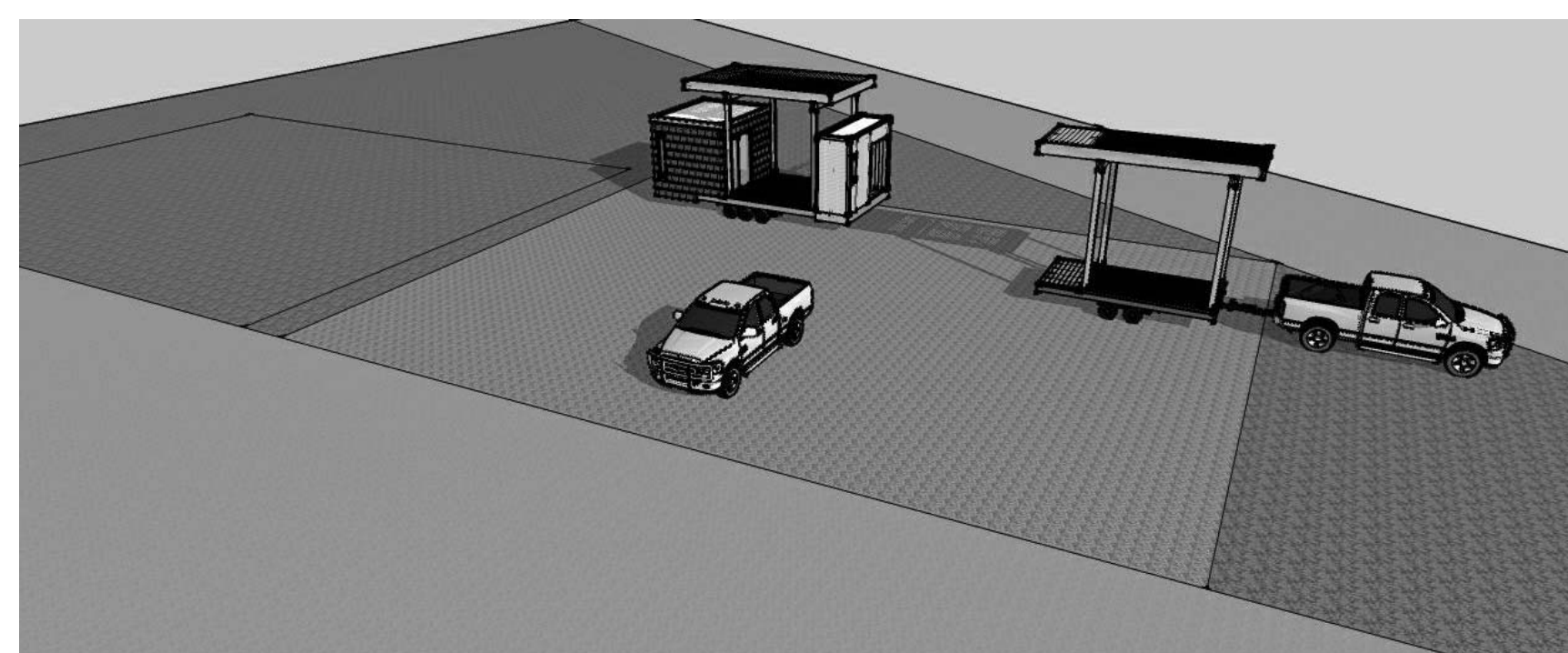
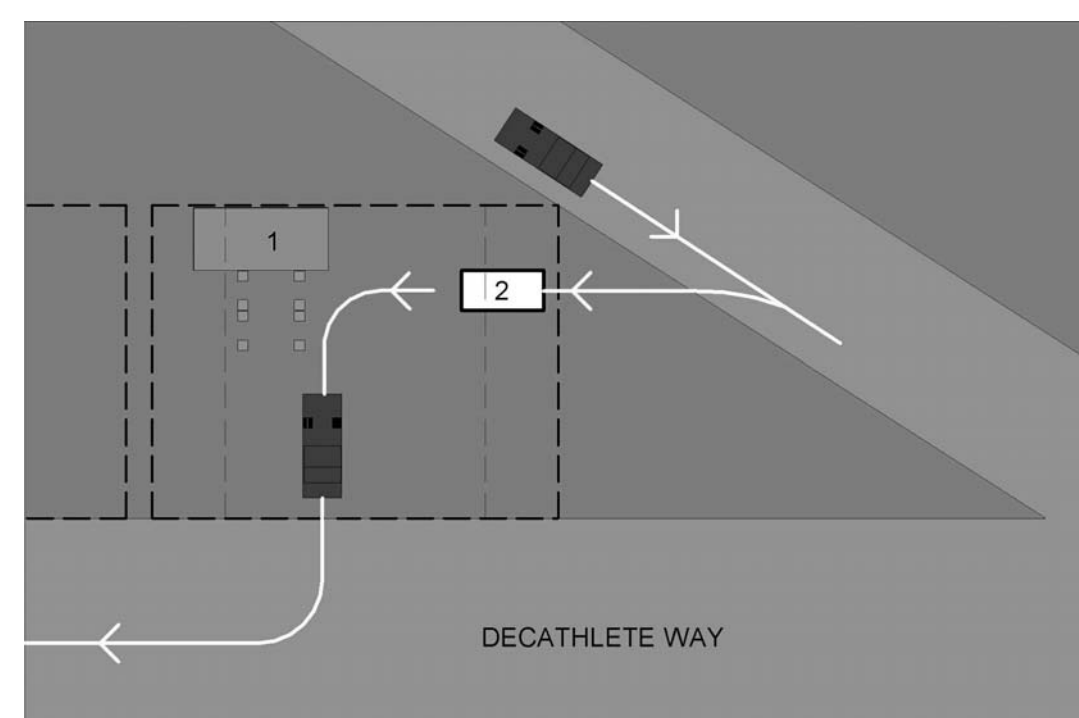
F1 TRAILER ASSEMBLY 1

NTS



O TRAILER ASSEMBLY 2 STAGE 1

NTS



A1 TRAILER ASSEMBLY 2 STAGE 2

NTS

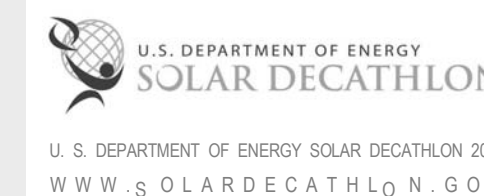


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
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


SHEET NUMBER:

0-102

GENERAL SHEET NOTES

- ASSEMBLY 2 STAGE 1 - 3 USED AS TYPICAL OM DELIVERY PATHWAY FOR ASSEMBLY 2 - 7

SITE OPERATIONS LEGEND

-  TRAILER #
-  VEHICLE PATHWAY
-  1 TON TRUCK

ASSEMBLY 2 STAGE 3 NOTES

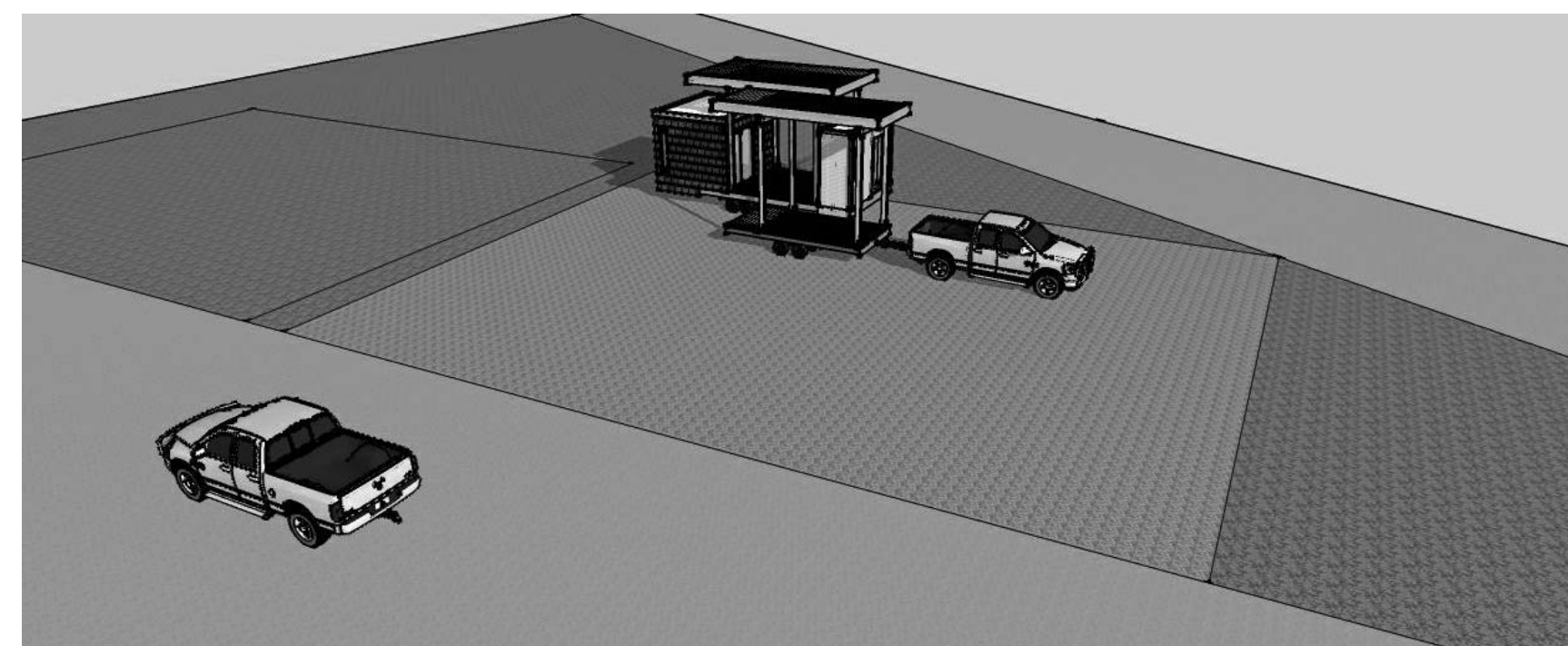
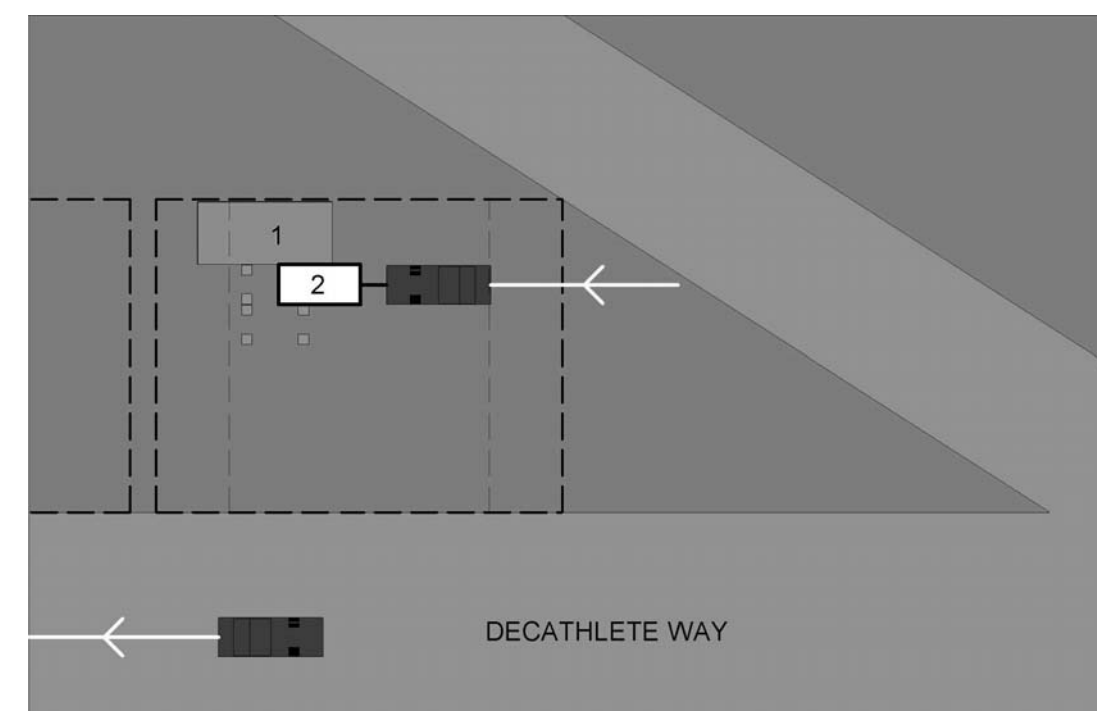
- SITE TRUCK BACKS OM TRAILER INTO FINAL POSITION
- DELIVERY TRUCK LEAVES SITE RETURNING TO STAGING AREA

ASSEMBLY 3 NOTES

- TYPICAL OM DELIVERY METHOD USED FOR ASSEMBLY 3 (SEE ASSEMBLY 2 STAGES 1-3)

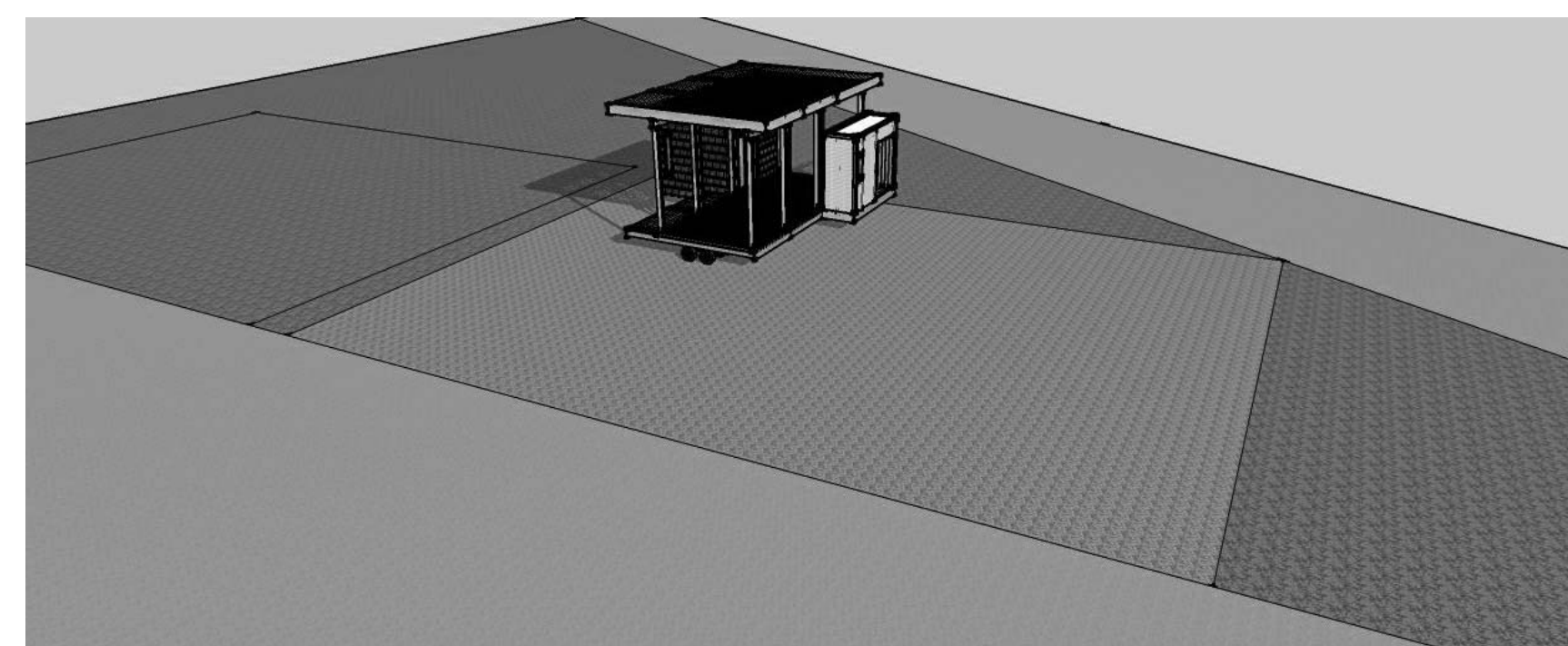
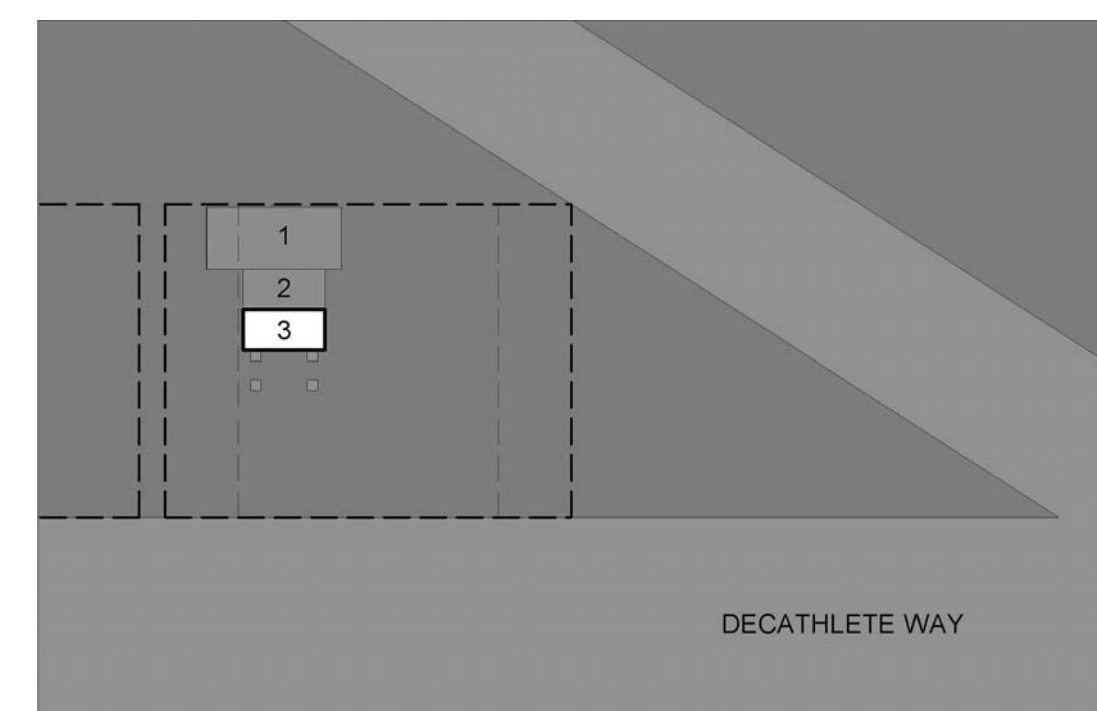
ASSEMBLY 4 NOTES

- TYPICAL OM DELIVERY METHOD USED FOR ASSEMBLY 4 (SEE ASSEMBLY 2 STAGES 1-3)



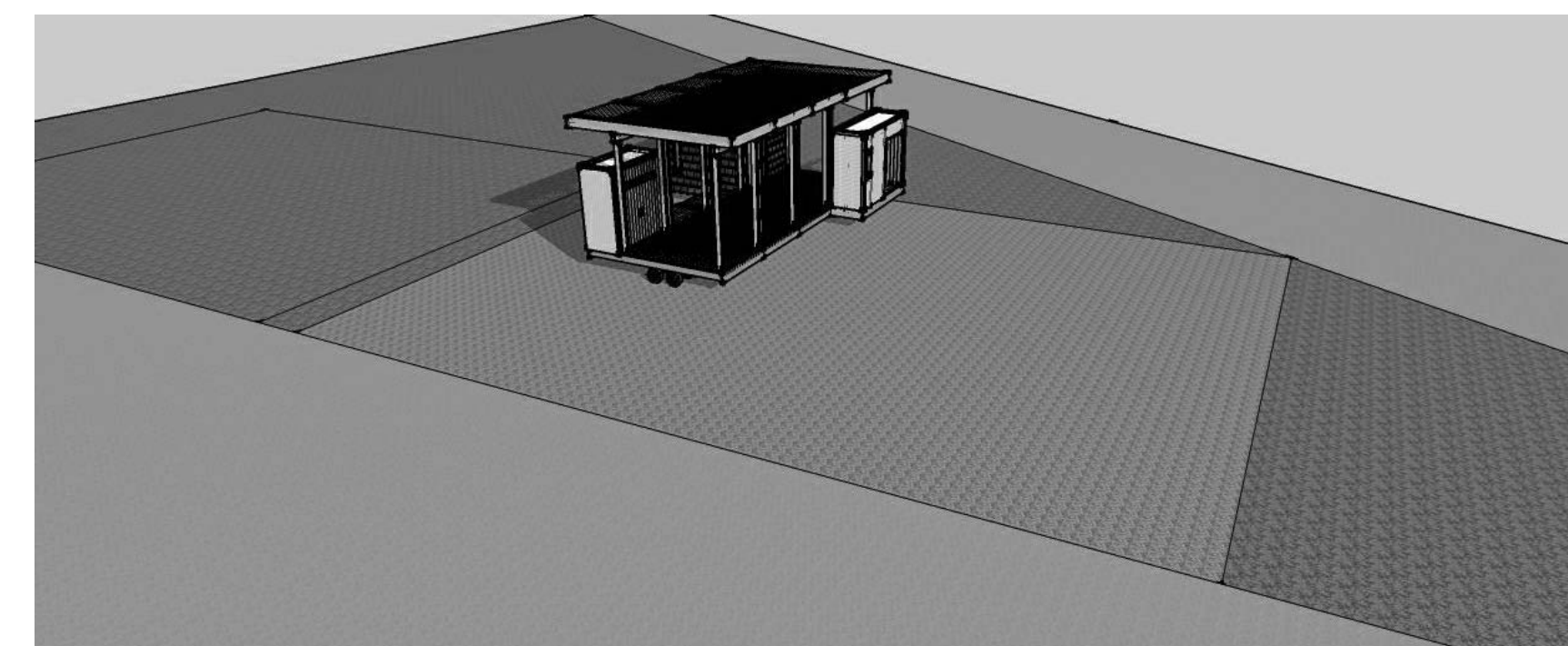
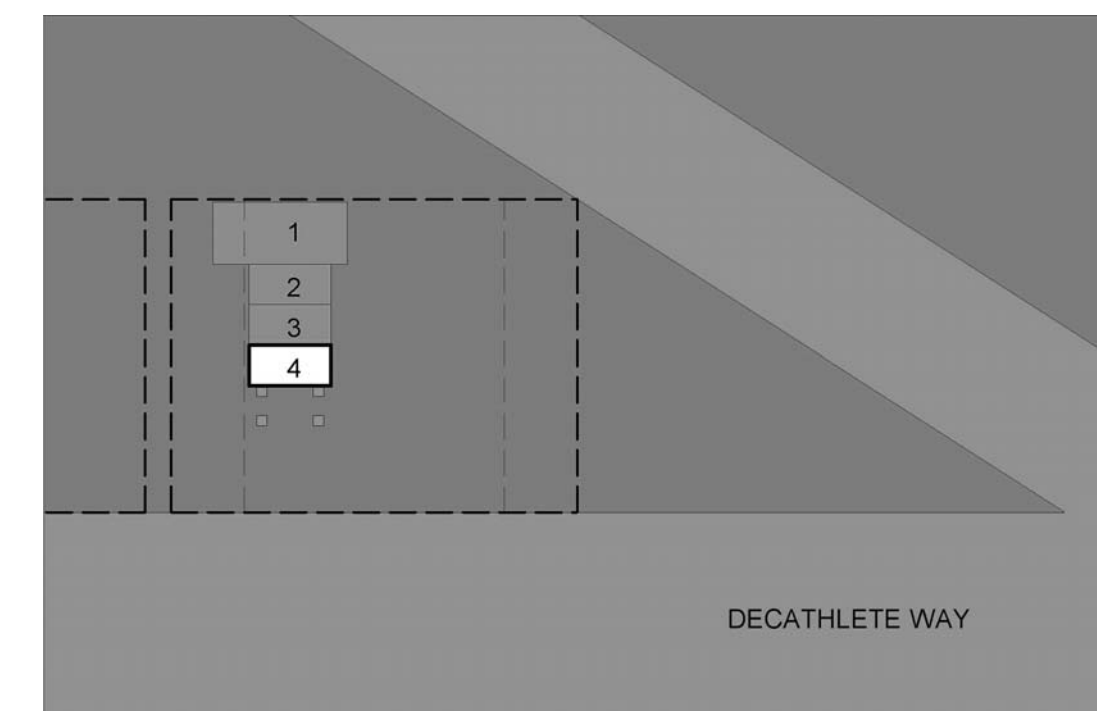
F1 TRAILER ASSEMBLY 2 STAGE 3

NTS



O TRAILER ASSEMBLY 3

NTS



A1 TRAILER ASSEMBLY 4

NTS



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PHONE: 828.262.8519
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SHEET NUMBER:

0-103

GENERAL SHEET NOTES

- ASSEMBLY 2 STAGE 1 - 3 USED AS TYPICAL OM DELIVERY PATHWAY FOR ASSEMBLY 2 - 7

SITE OPERATIONS LEGEND



ASSEMBLY 5 NOTES

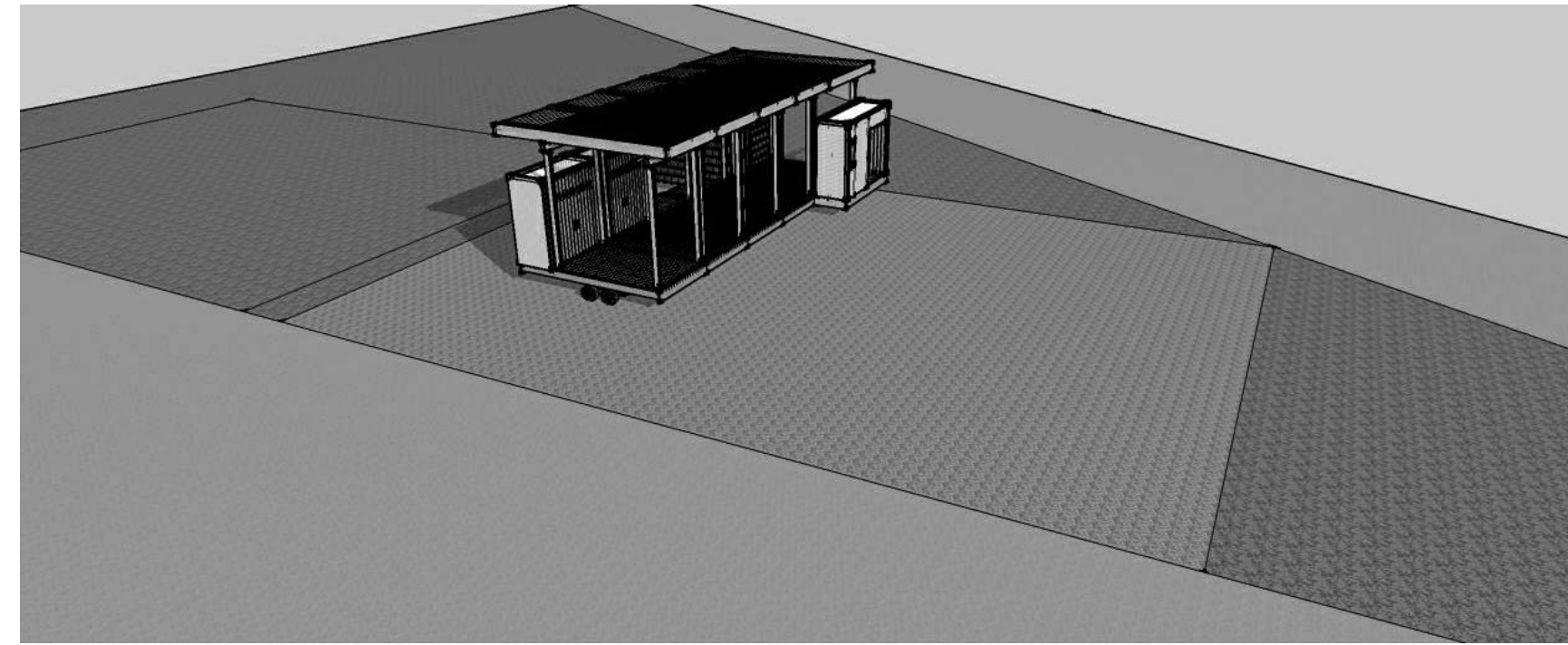
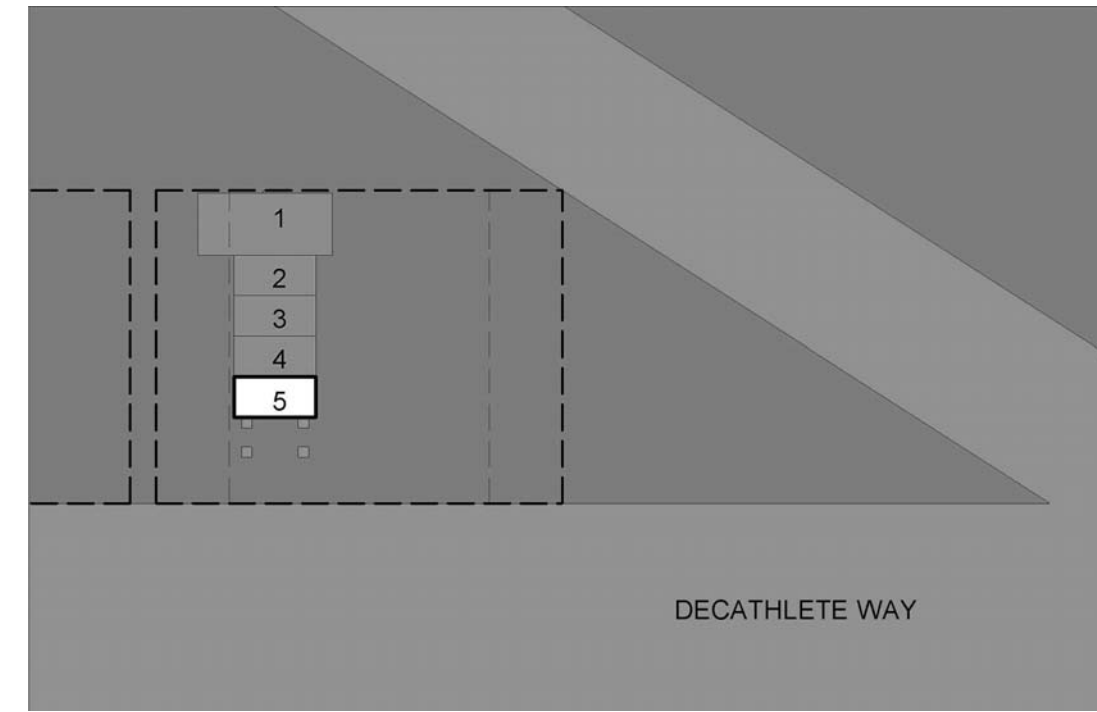
- TYPICAL OM DELIVERY METHOD USED FOR ASSEMBLY 5 (SEE ASSEMBLY 2 STAGES 1-3)

ASSEMBLY 6 NOTES

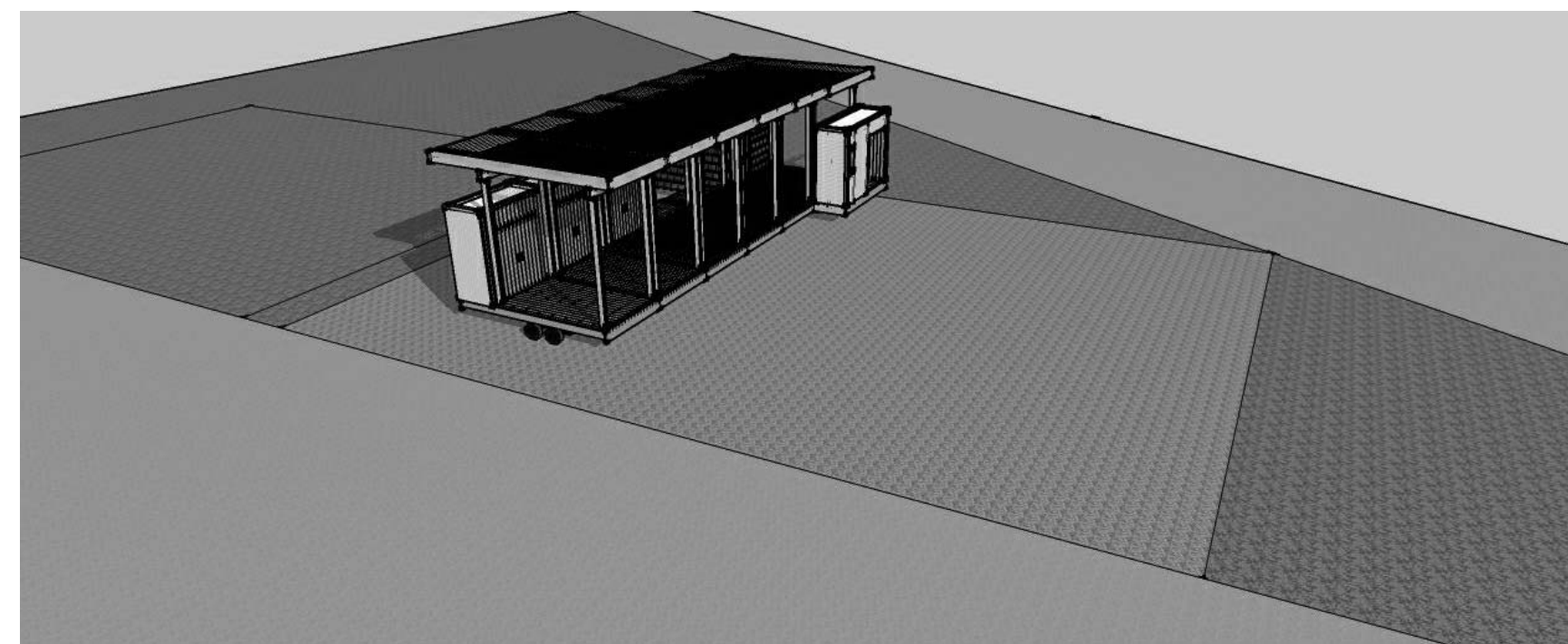
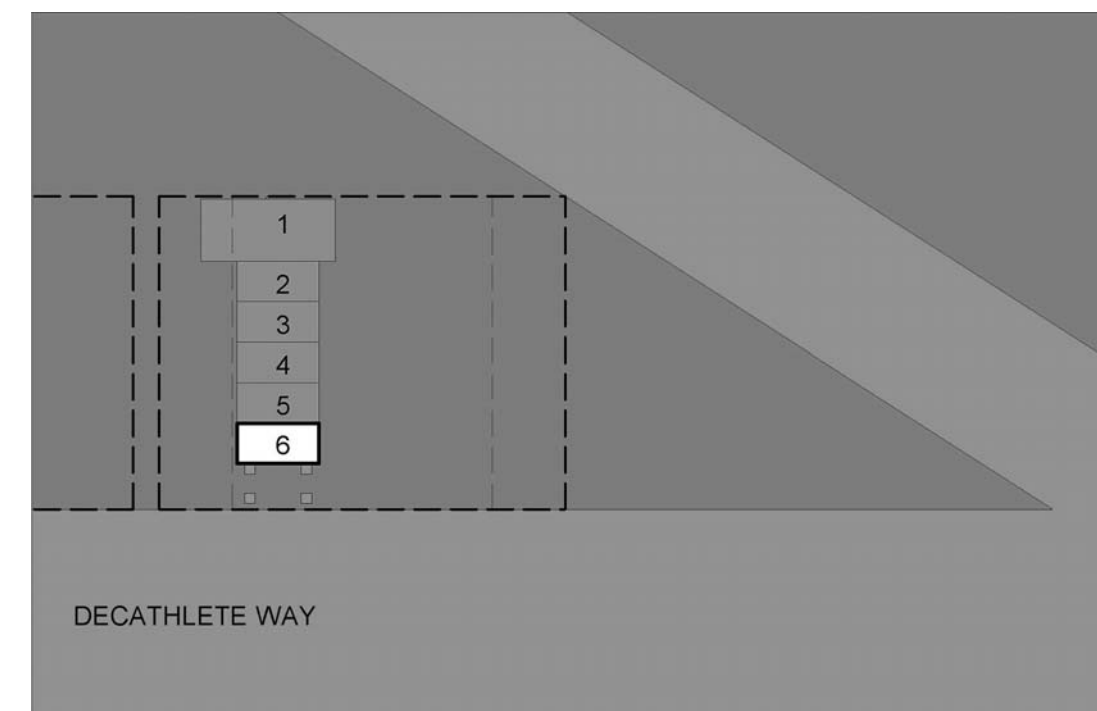
- TYPICAL OM DELIVERY METHOD USED FOR ASSEMBLY 6 (SEE ASSEMBLY 2 STAGES 1-3)

ASSEMBLY 7 NOTES

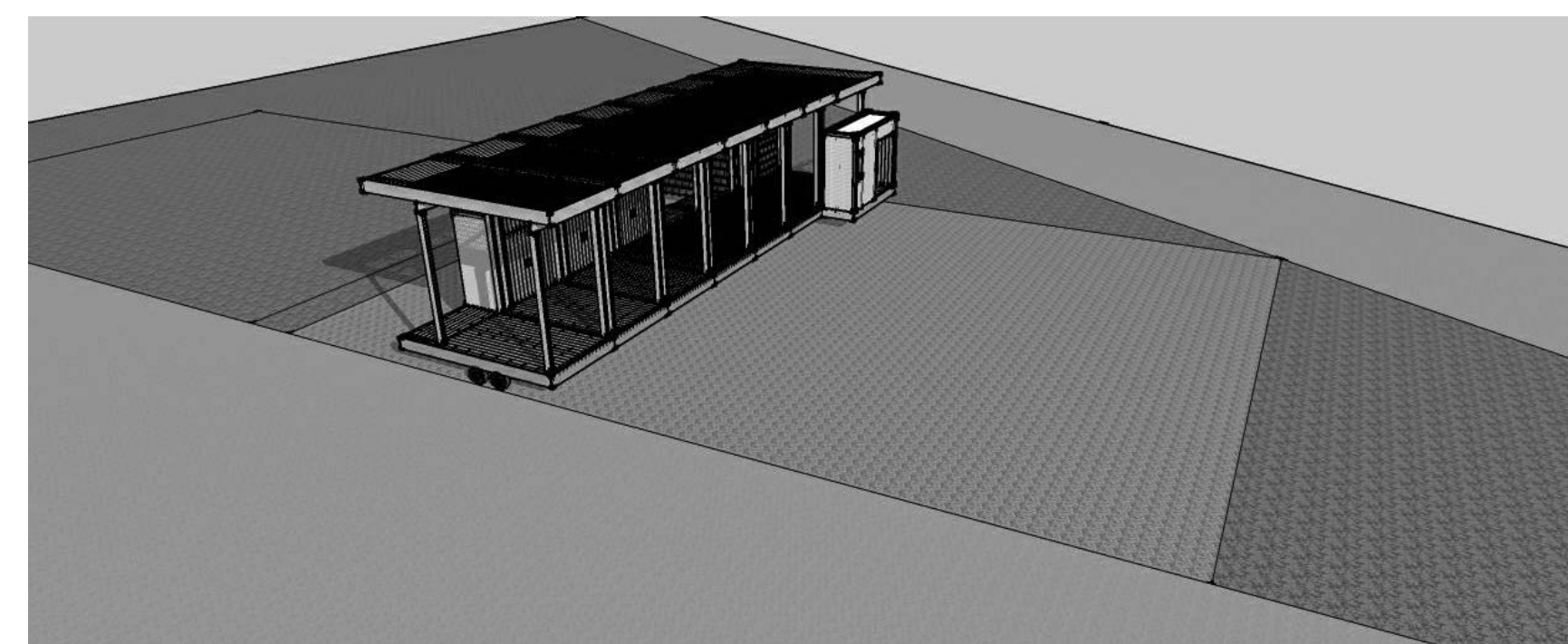
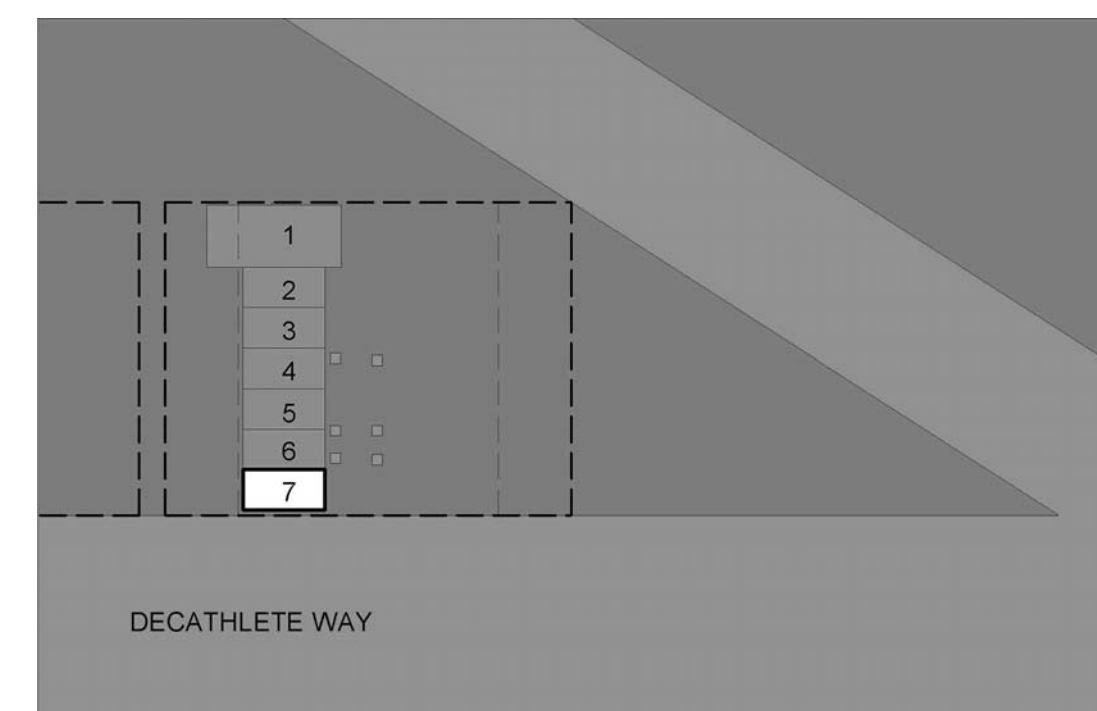
- TYPICAL OM DELIVERY METHOD USED FOR ASSEMBLY 7 (SEE ASSEMBLY 2 STAGES 1-3)



F1 TRAILER ASSEMBLY 5
NTS



E TRAILER ASSEMBLY 6
NTS



A1 TRAILER ASSEMBLY 7
NTS

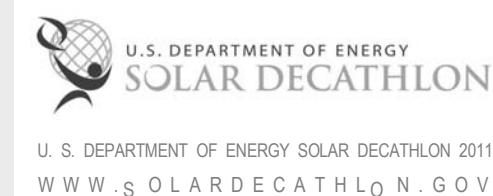


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APPALACHIAN STATE UNIVERSITY

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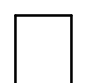
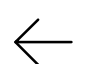
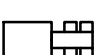
GENERAL SHEET NOTES

- ASSEMBLY 8 USED AS TYPICAL DELIVERY PATHWAY FOR ASSEMBLY 8 - 10

ASSEMBLY 8 NOTES

- TYPICAL MAIN HOUSE TRAILER DELIVERY METHOD INVOLVES PULLING THROUGH THE SITE FROM THE NORTH OF THE TRAILERS FINAL POSITION
- ADJUSTMENTS BY PULLING FORWARD AND BACKWARD TO BE MADE AS NEEDED TO POSITION TRAILER AS CLOSE AS POSSIBLE TO FINAL POSITION

SITE OPERATIONS LEGEND

-  TRAILER #
-  VEHICLE PATHWAY
-  SEMI TRUCK

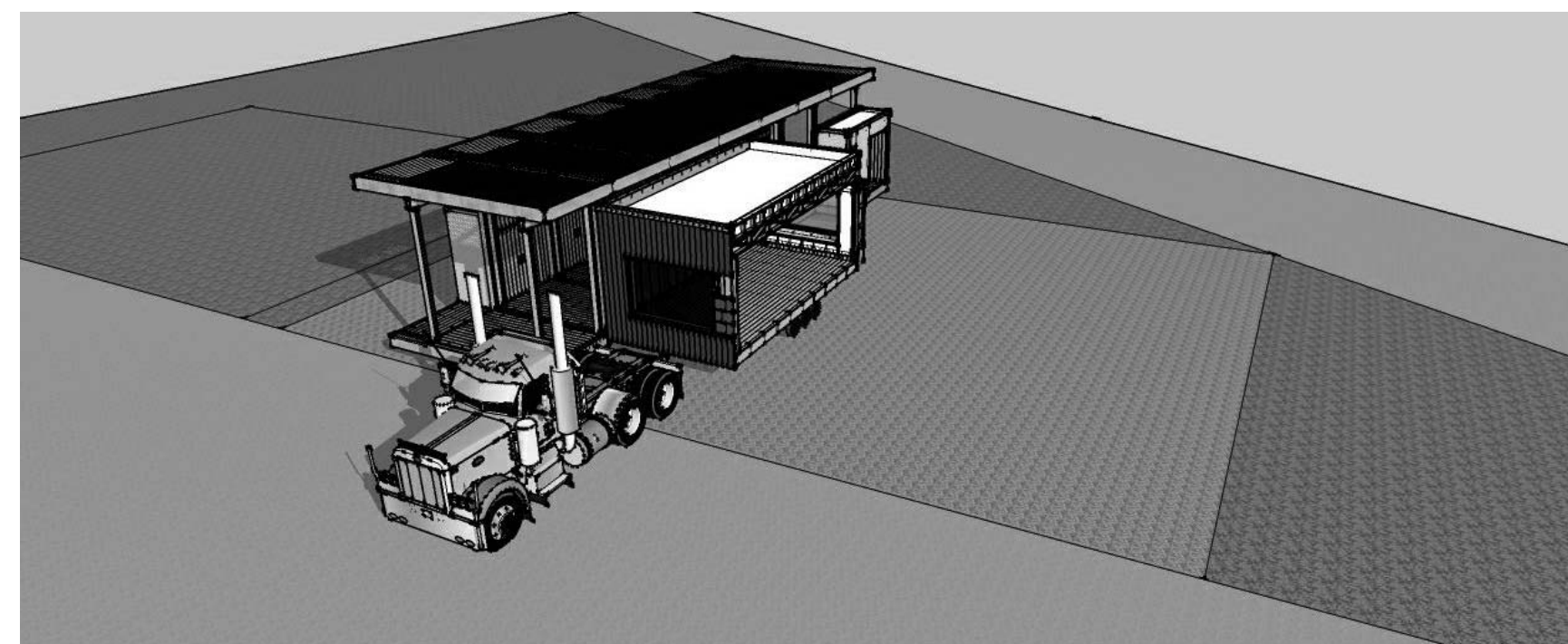
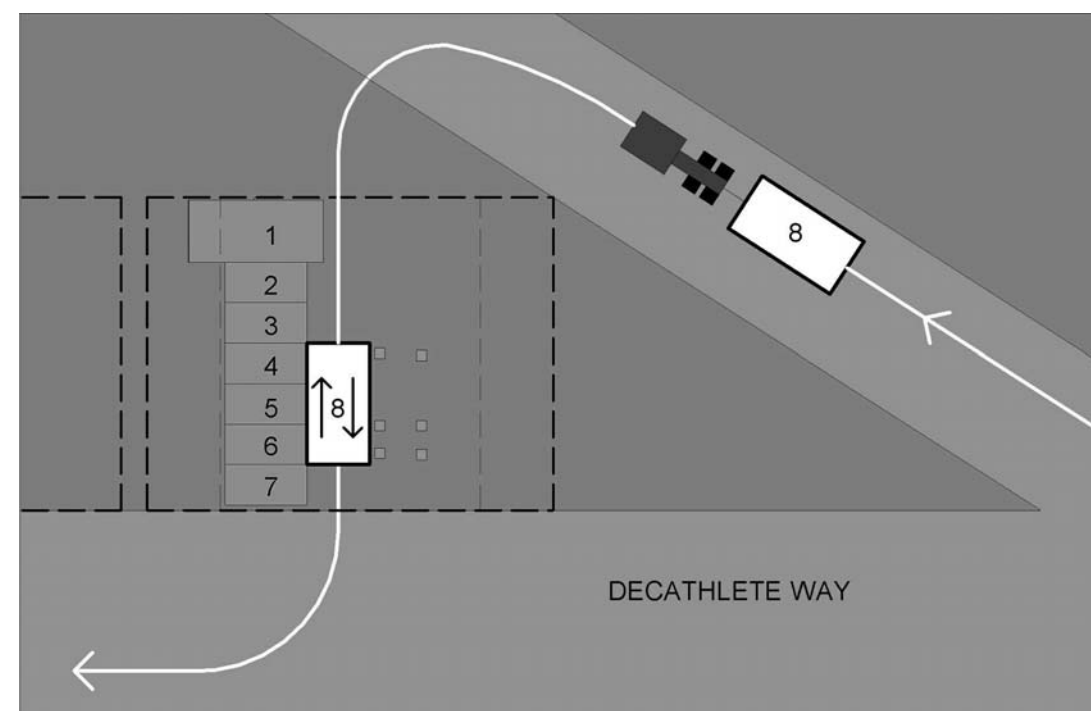
ASSEMBLY 9 NOTES

- TYPICAL MAIN HOUSE TRAILER DELIVERY METHOD USED FOR ASSEMBLY 9 (SEE ASSEMBLY 8)

ASSEMBLY 10 NOTES

- TYPICAL MAIN HOUSE TRAILER DELIVERY METHOD USED FOR ASSEMBLY 10 (SEE ASSEMBLY 8)

G

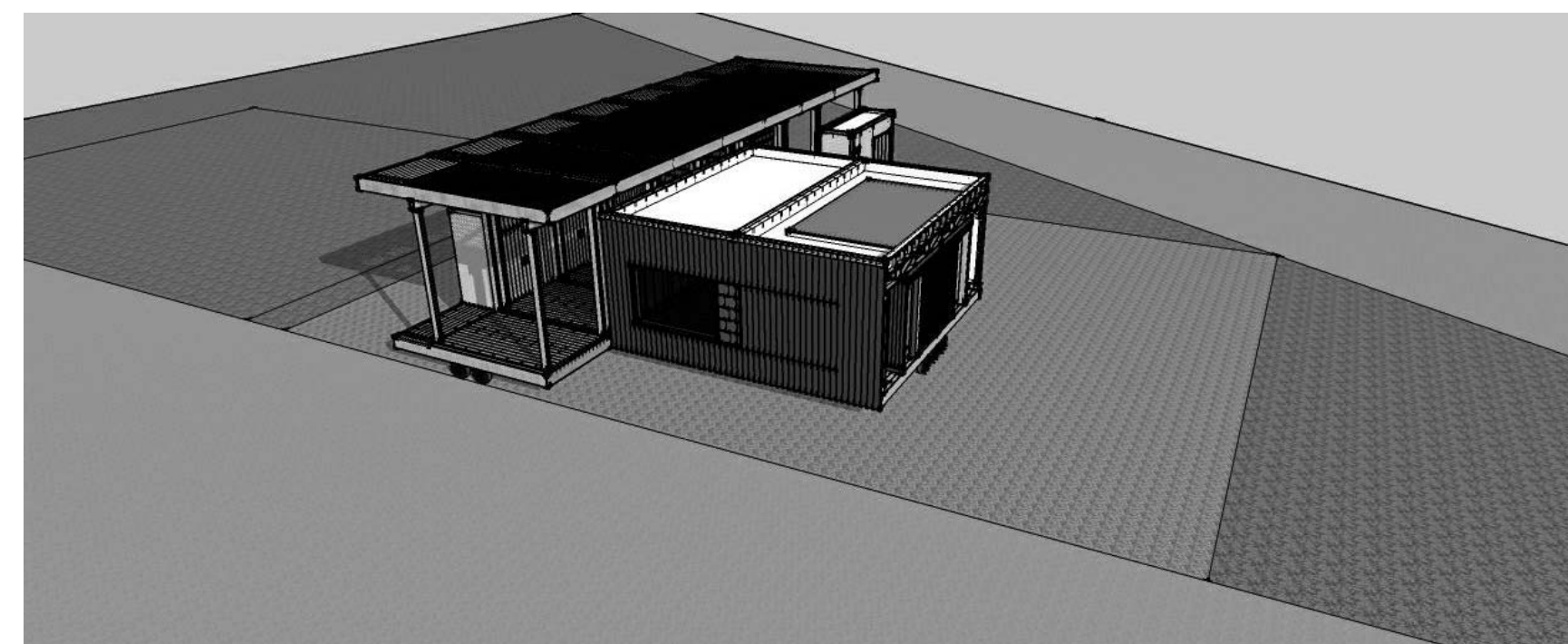
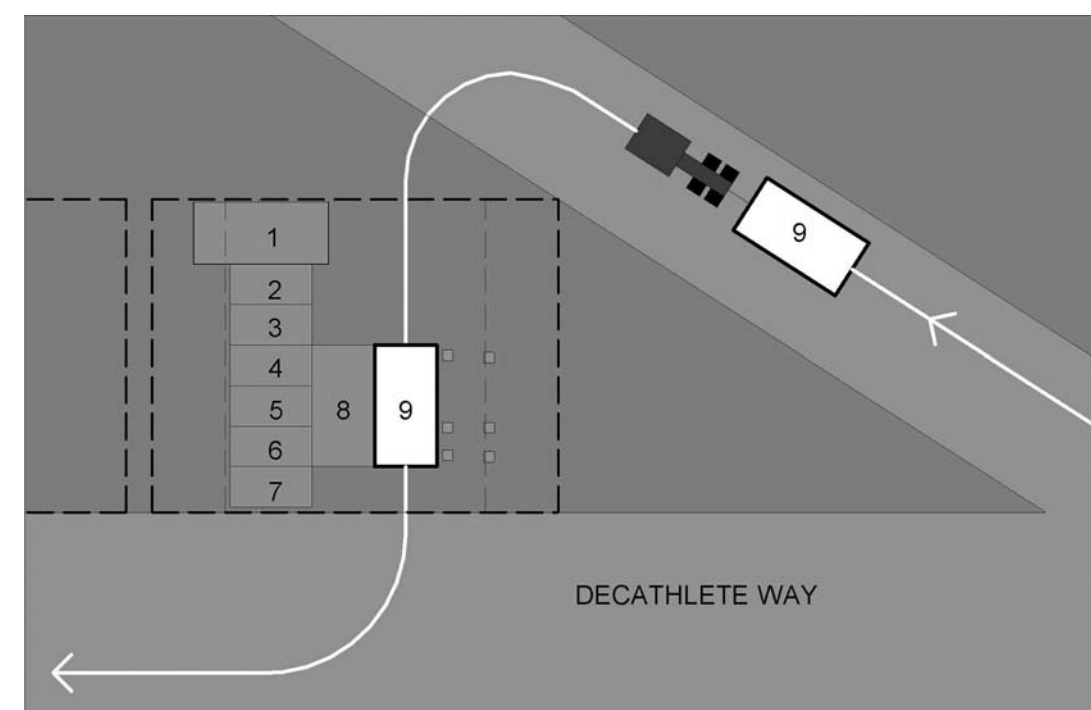


F

F1 TRAILER ASSEMBLY 8

NTS

E

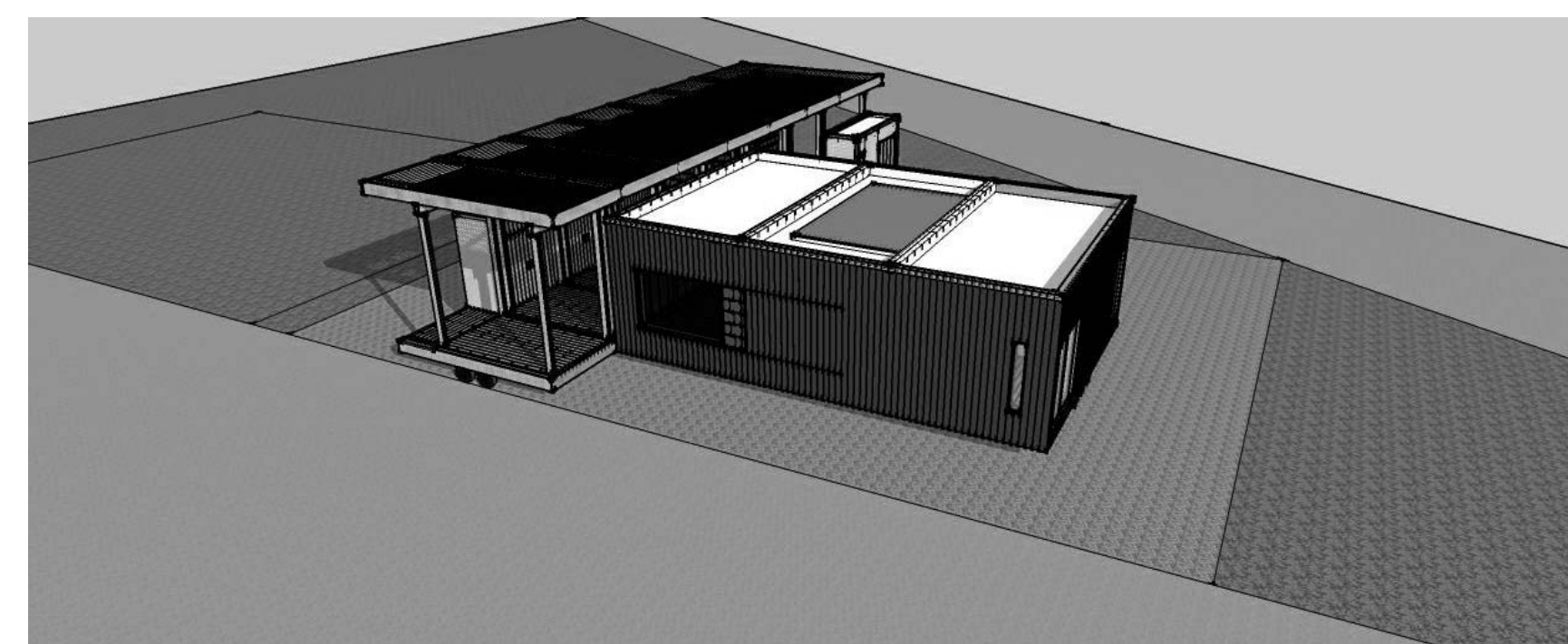
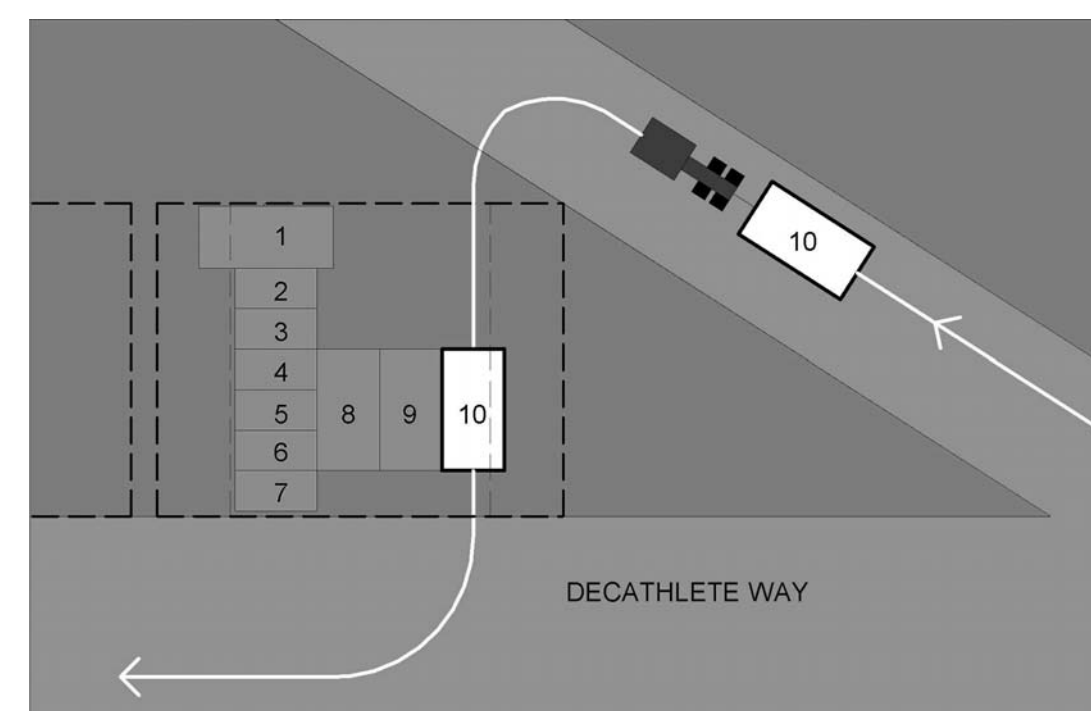


D

TRAILER ASSEMBLY 9

NTS

C



B

A1 TRAILER ASSEMBLY 10

NTS

A

01

02

03

04

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10



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BOONE, NC 28607
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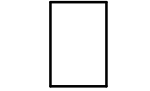
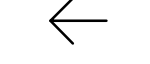

SHEET NUMBER:

0-105

GENERAL SHEET NOTES

- DISASSEMBLY 1 USED AS TYPICAL MAIN HOUSE REMOVAL METHOD FOR DISASSEMBLY 1 - 3

SITE OPERATIONS LEGEND

-  TRAILER #
-  VEHICLE PATHWAY
-  SEMI TRUCK

DISASSEMBLY 1 NOTES

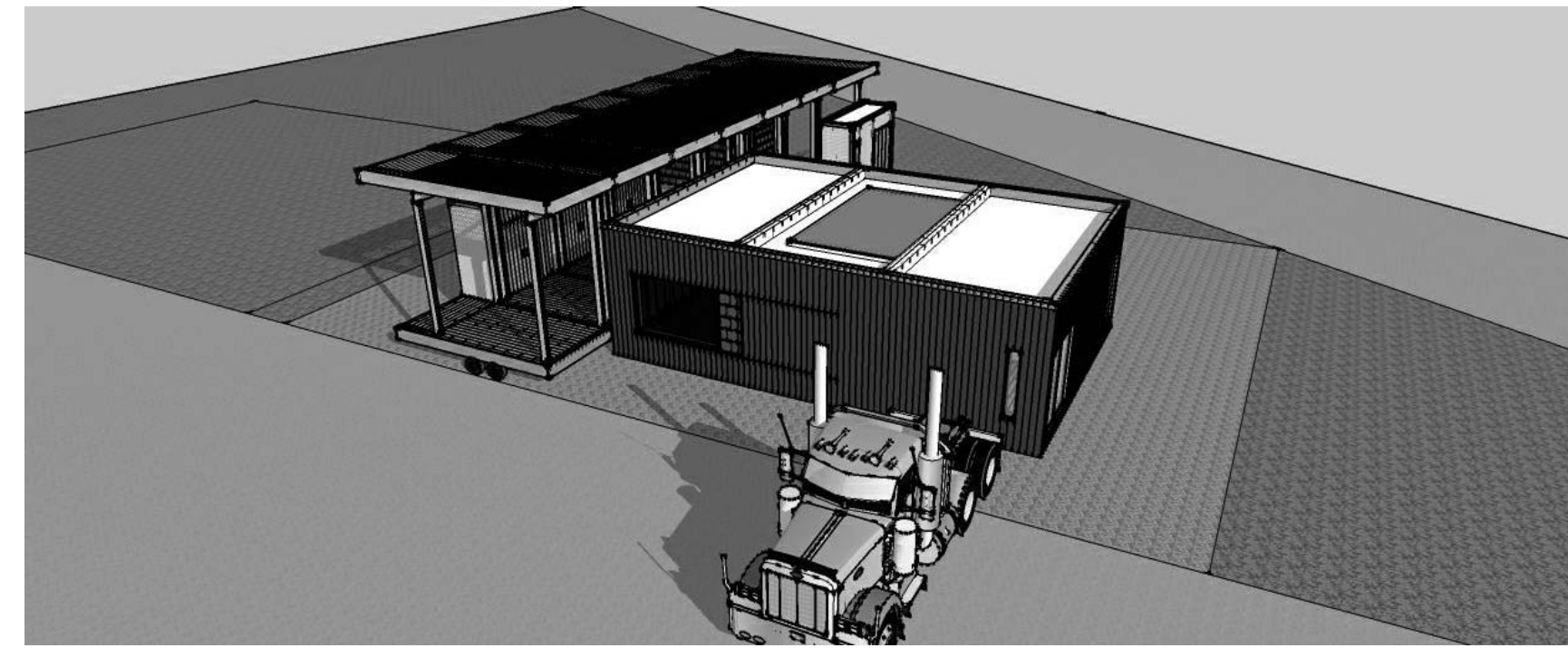
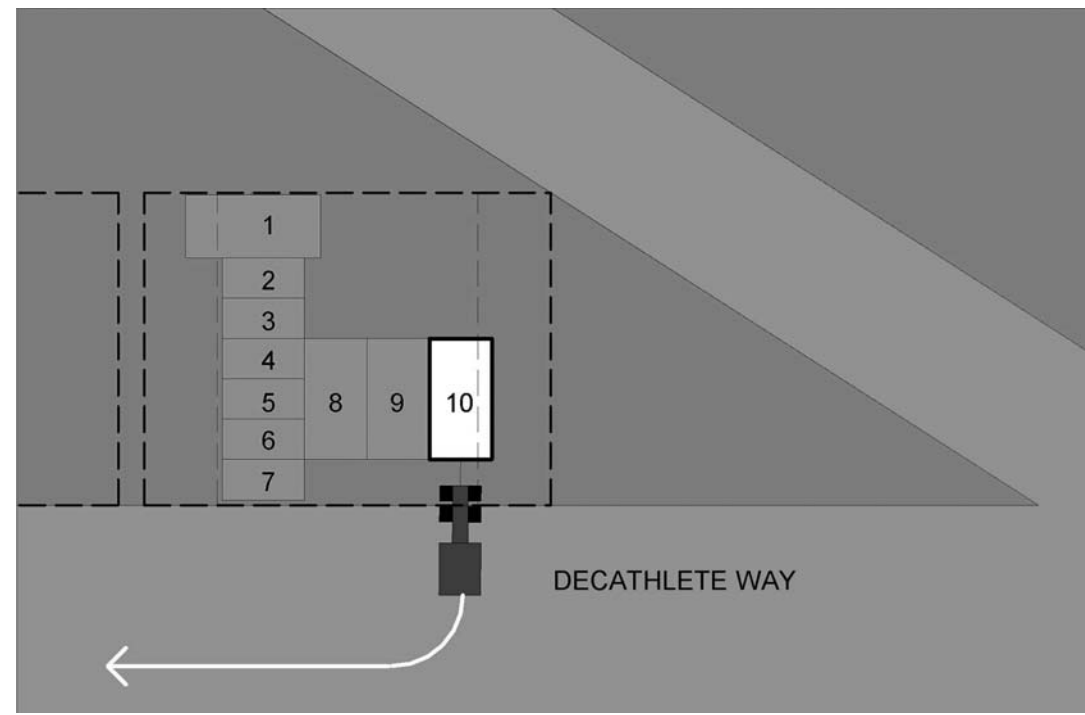
- DEPARTURE SEQUENCE TO BEGIN WITH TRAILER 10
- SEMI TRUCK WILL HOOK TO MAIN HOUSE TRAILER TONGUES ONCE EACH TRAILER IS UNBOLTED AND SEPERATED FROM MAIN STRUCTURE BY USE OF MULTI DIRECTIONAL SYSTEM
- TRUCK AND TRAILER WILL THEN EXIT IMMEDIATLY ONTO DECATHLETE WAY

DISASSEMBLY 2 NOTES

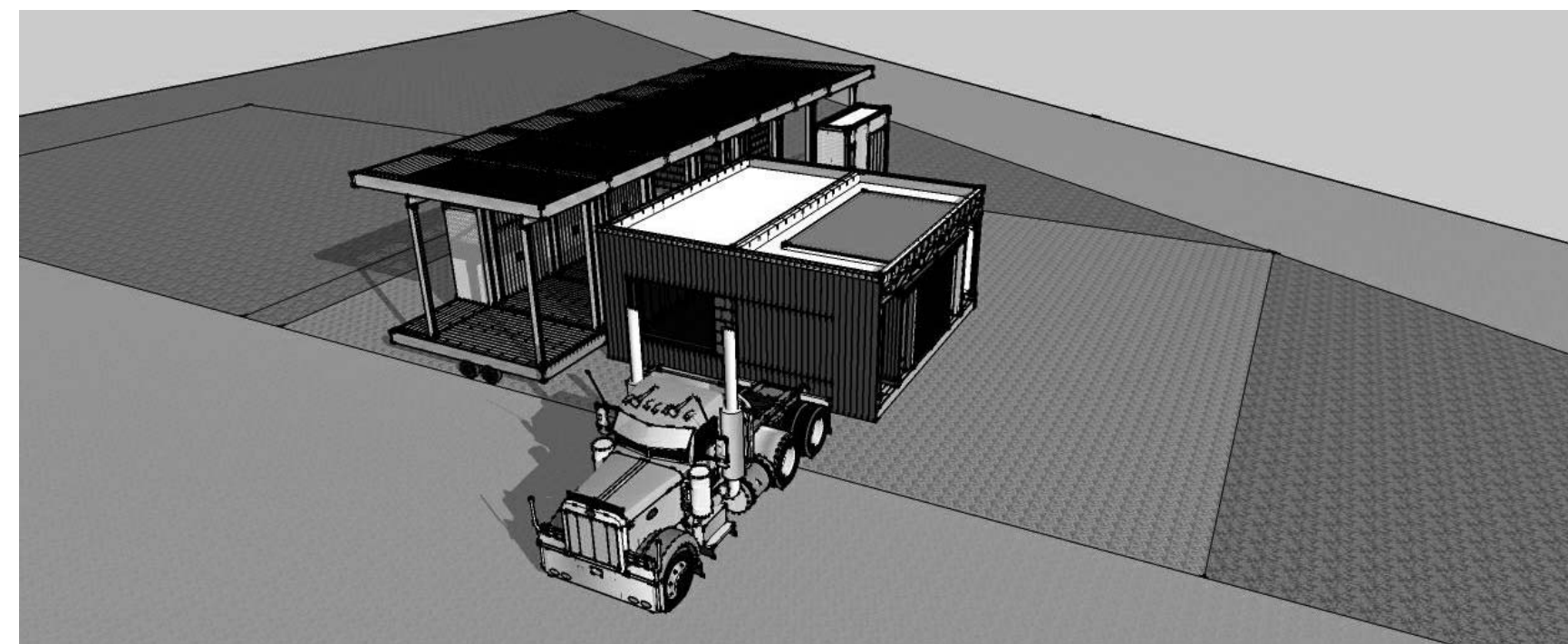
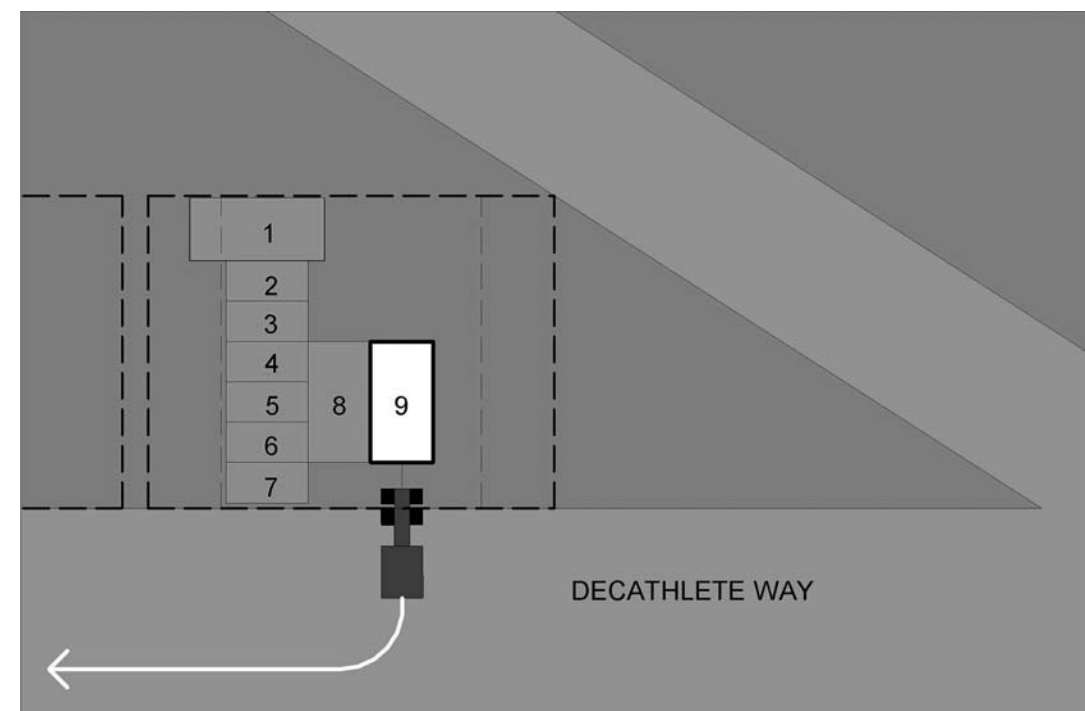
- TYPICAL MAIN HOUSE TRAILER REMOVAL METHOD USED FOR DISASSEMBLY 2 (SEE DISASSEMBLY 1)

DISASSEMBLY 3 NOTES

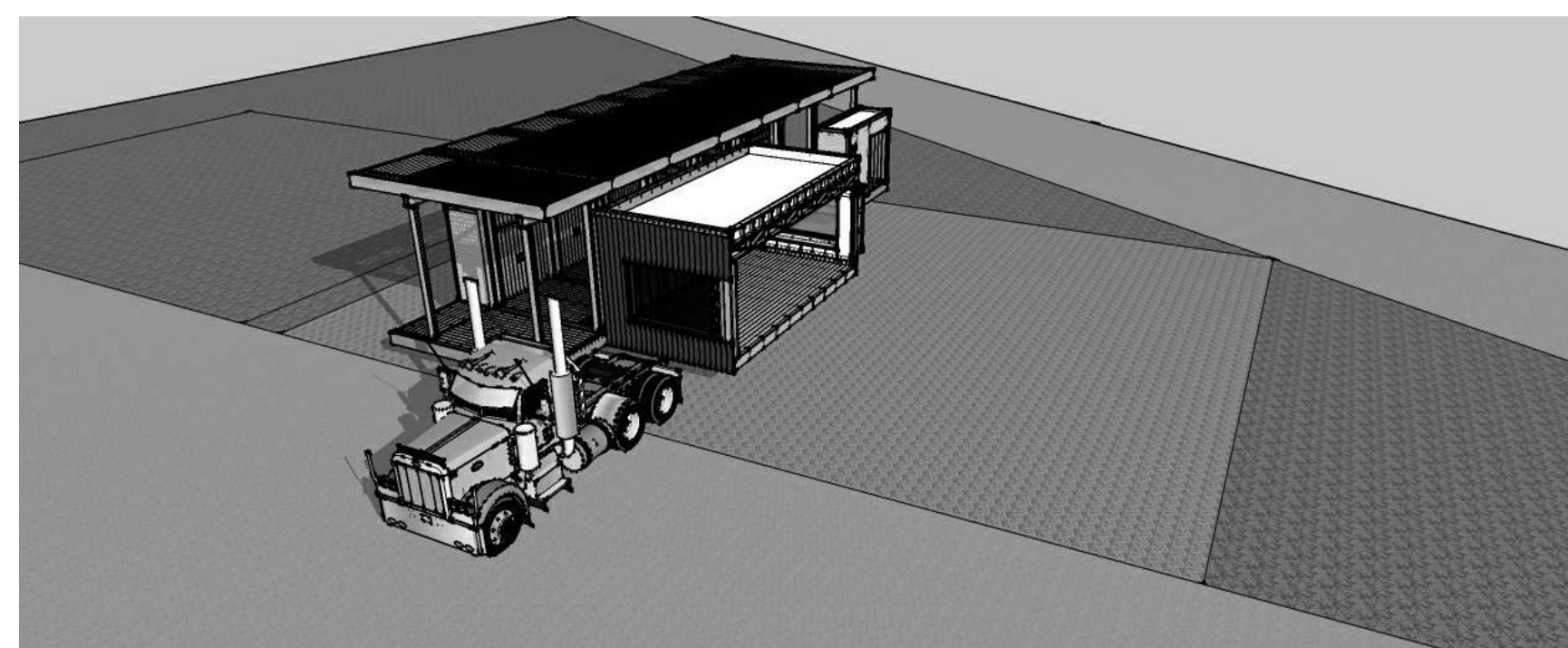
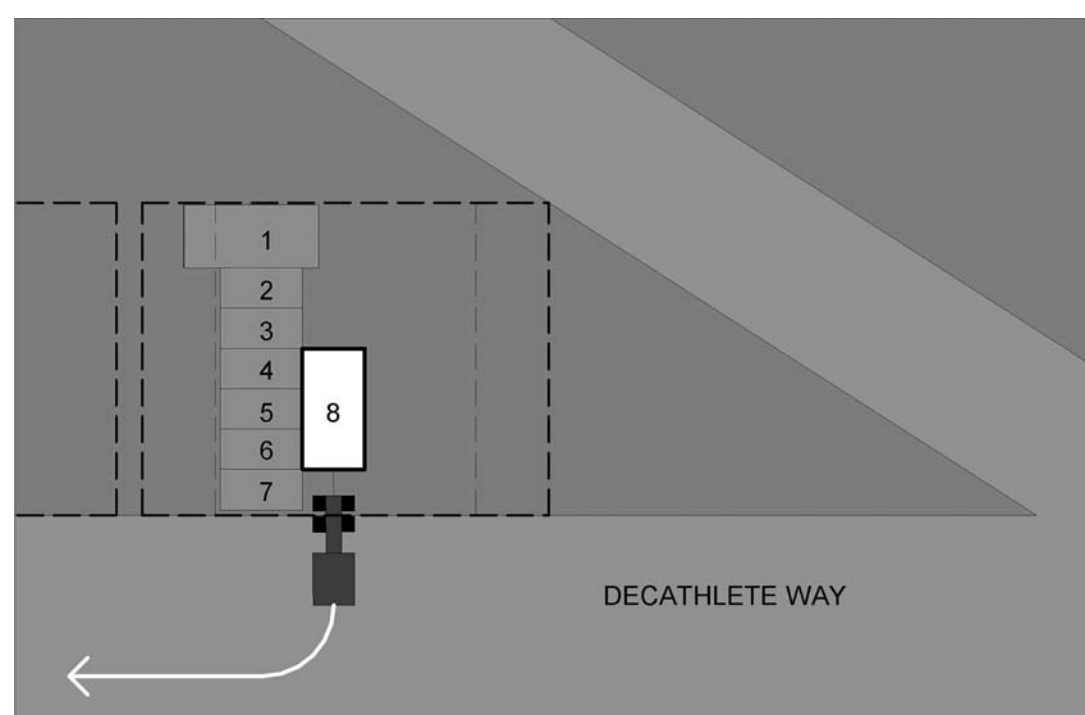
- TYPICAL MAIN HOUSE TRAILER REMOVAL METHOD USED FOR DISASSEMBLY 3 (SEE DISASSEMBLY 1)



F1 TRAILER DISASSEMBLY 1
NTS



○ TRAILER DISASSEMBLY 2
NTS



A1 TRAILER DISASSEMBLY 3
NTS

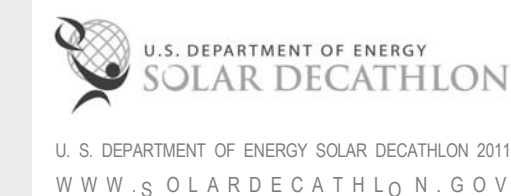


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APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
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O-106

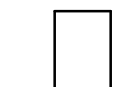
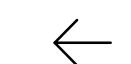

GENERAL SHEET NOTES

- DISASSEMBLY 4 STAGE 1 AND 2 TO BE USED AS TYPICAL METHOD FOR DISASSEMBLY 4 THROUGH 9

DISASSEMBLY 4 STAGE 1 NOTES

- DISASSEMBLY 4 TO BE USED AS TYPICAL METHOD FOR DISASSEMBLYS 4 THROUGH 9
- STAGE 1 INVOLVES HOOKING UP TO THE TRAILER AND PULLING FORWARD AWAY FROM THE REST OF THE STRUCTURE.

SITE OPERATIONS LEGEND

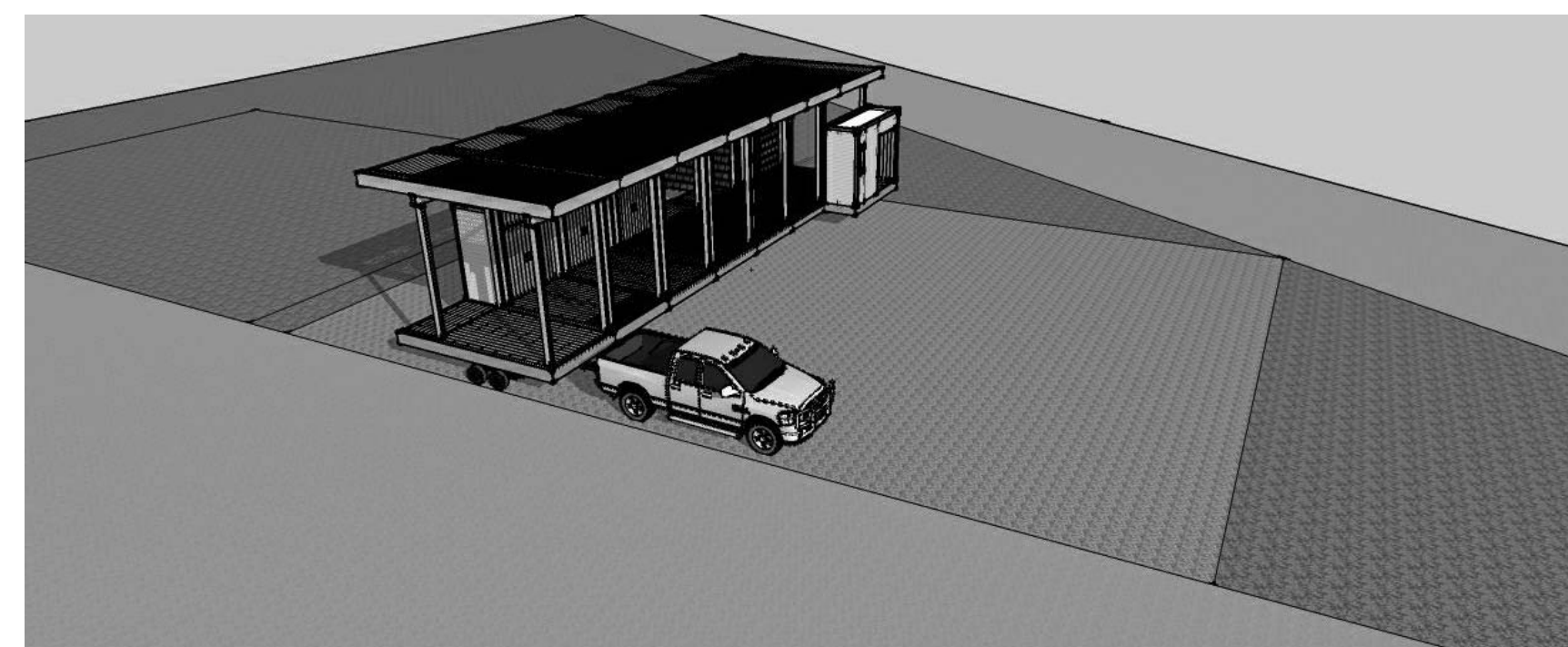
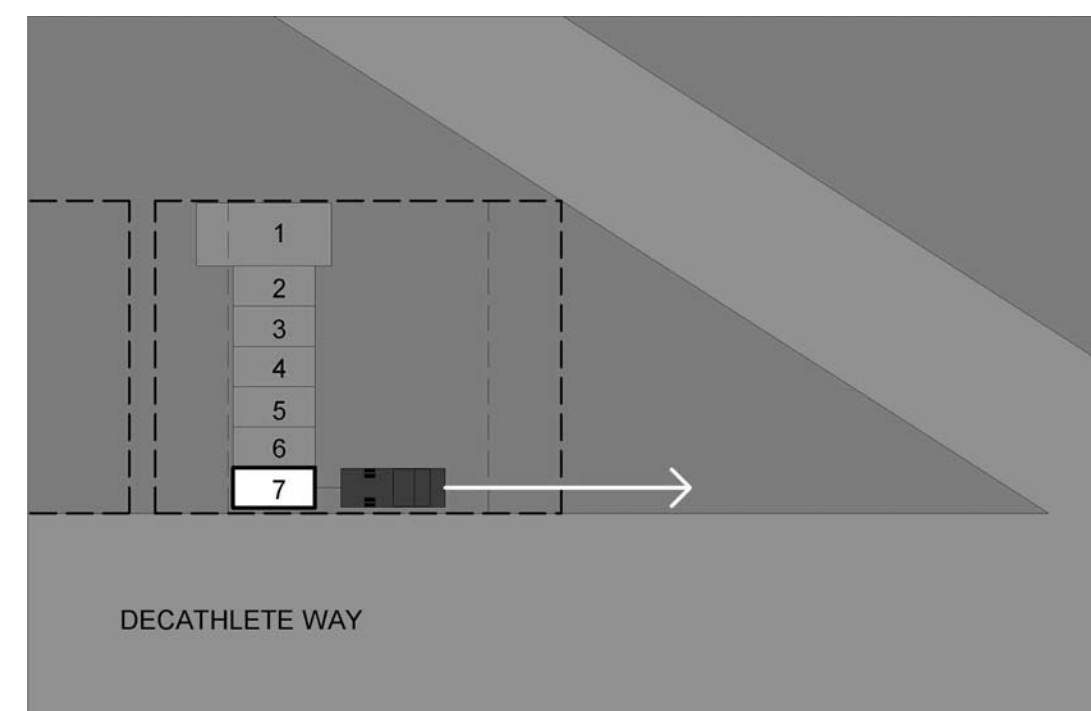
-  TRAILER #
-  VEHICLE PATHWAY
-  1 TON TRUCK

DISASSEMBLY 4 STAGE 2 NOTES

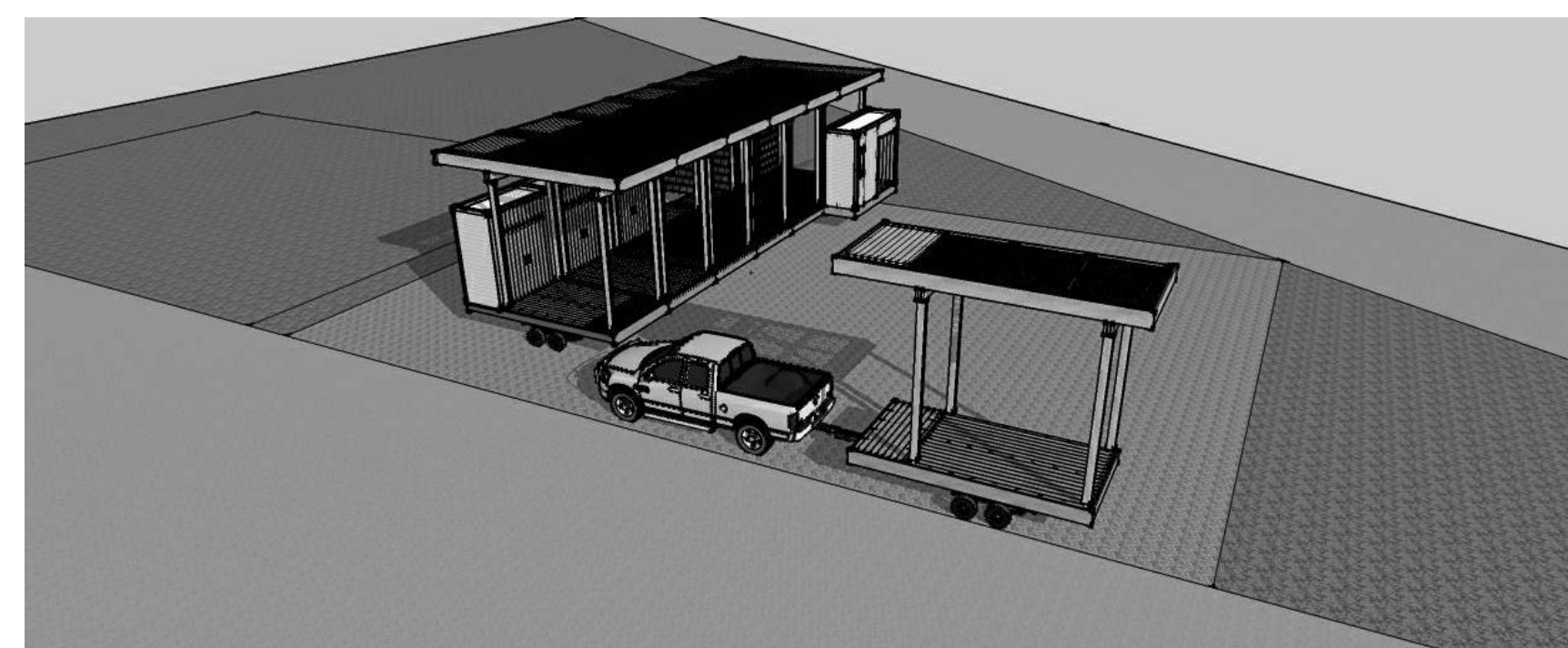
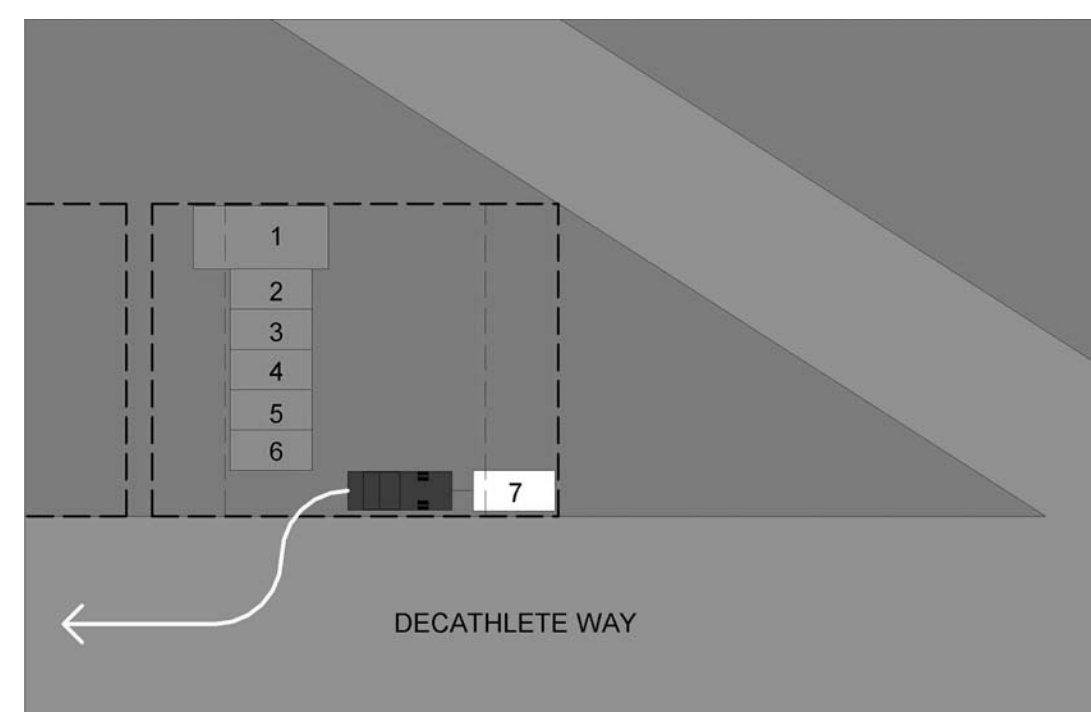
- STAGE 2 INVOLVES REVERSING THE TONGUE ON THE TRAILER, RE ATTACHING THE TRUCK AND EXITING IMMEDIATELY ONTO DECATHLETE WAY

DISASSEMBLY 5 NOTES

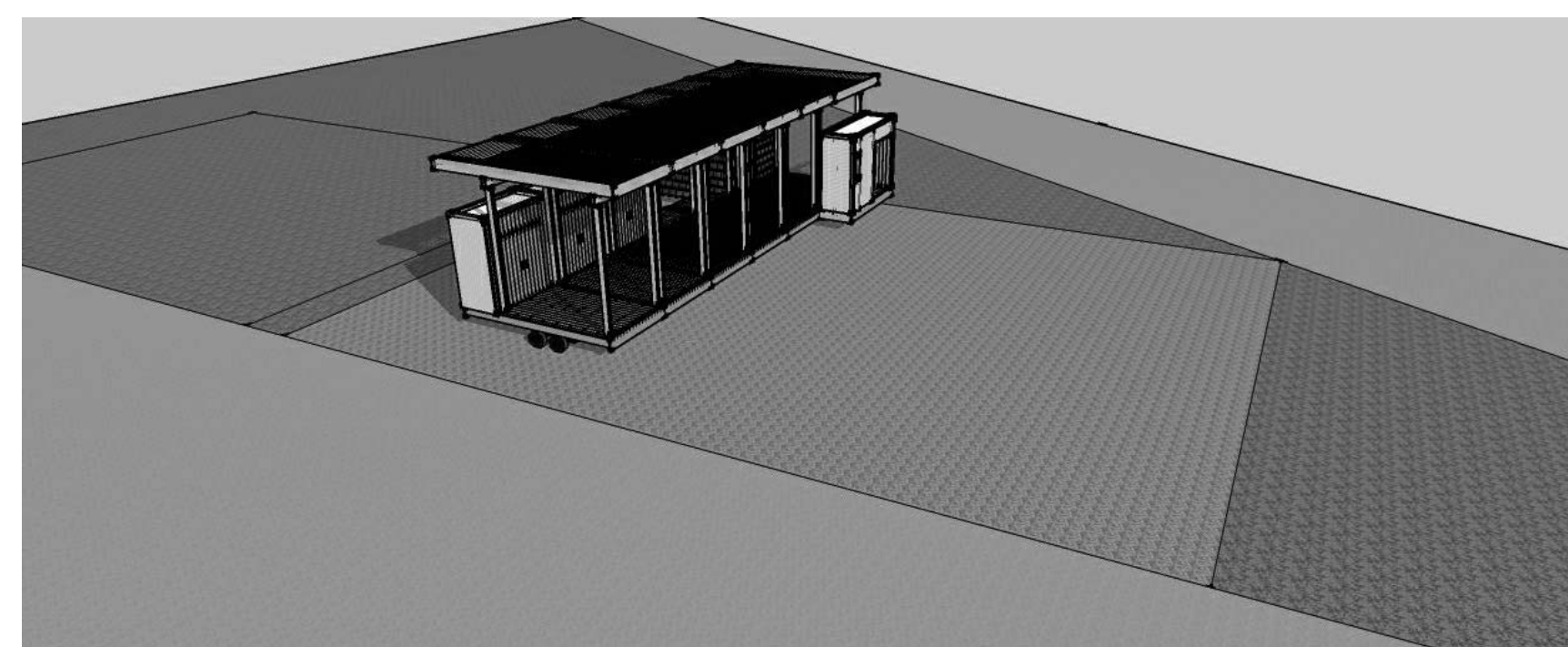
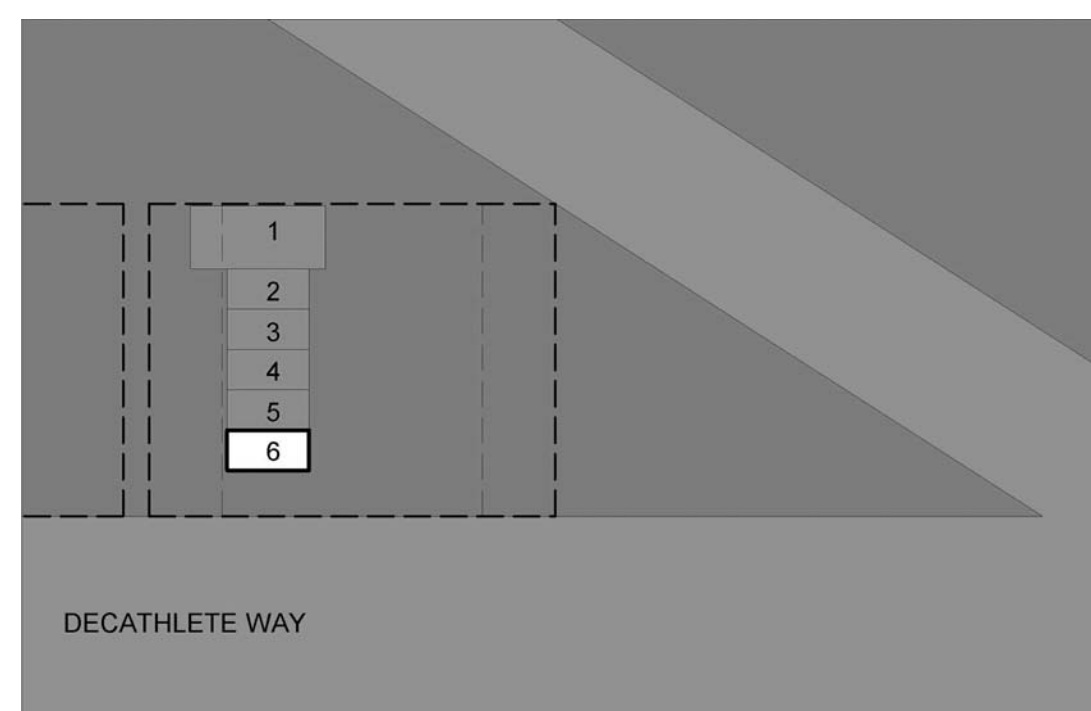
- TYPICAL OM TRAILER REMOVAL METHOD USED FOR DISASSEMBLY 5 (SEE DISASSEMBLY 4 STAGES 1-2)



F1 TRAILER DISASSEMBLY 4 STAGE 1
NTS



D1 TRAILER DISASSEMBLY 4 STAGE 2
NTS



A1 TRAILER DISASSEMBLY 5
NTS

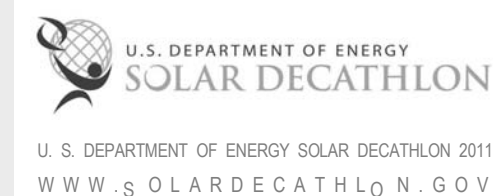


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O-107

GENERAL SHEET NOTES

- DISASSEMBLY 4 STAGE 1 AND 2 TO BE USED AS TYPICAL METHOD FOR DISASSEMBLY 4 THROUGH 9

SITE OPERATIONS LEGEND



TRAILER #

DISASSEMBLY 6 NOTES

- TYPICAL OM TRAILER REMOVAL METHOD USED FOR DISASSEMBLY 6 (SEE DISASSEMBLY 4 STAGES 1-2)

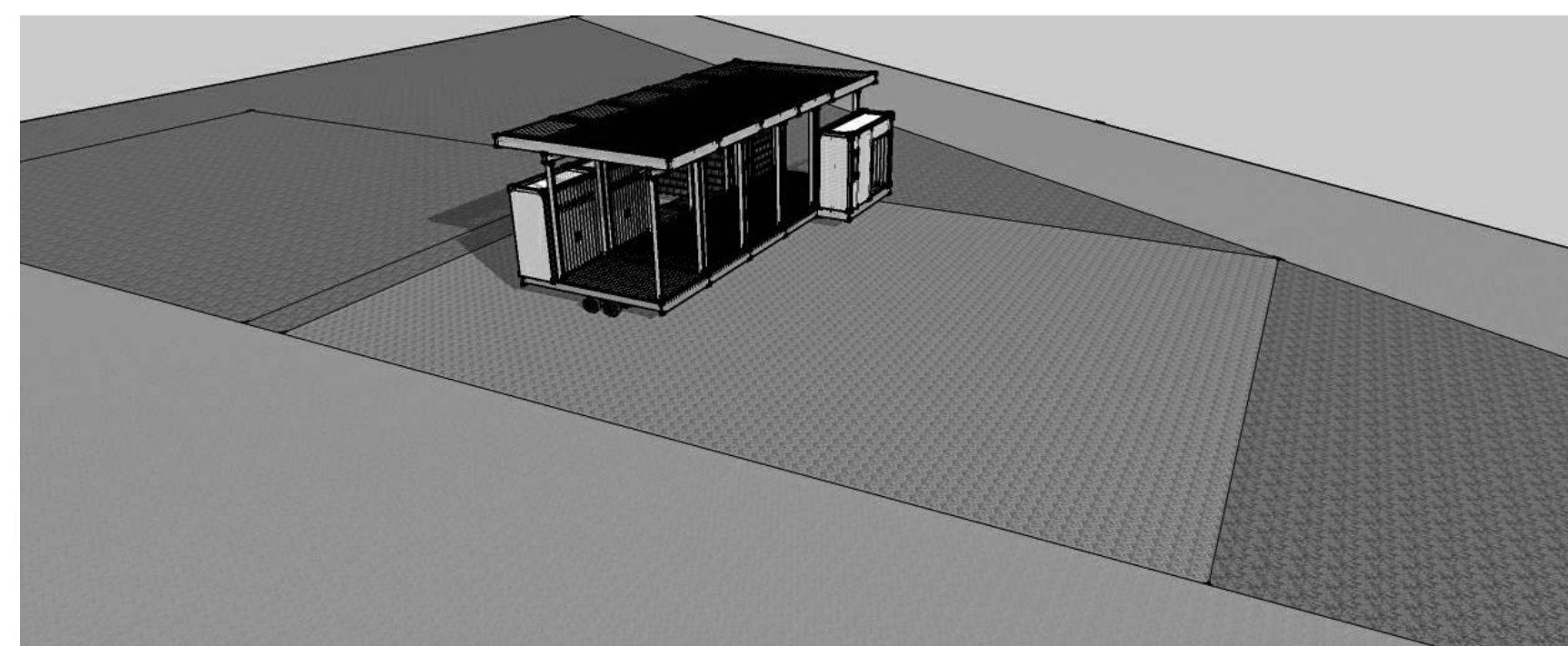
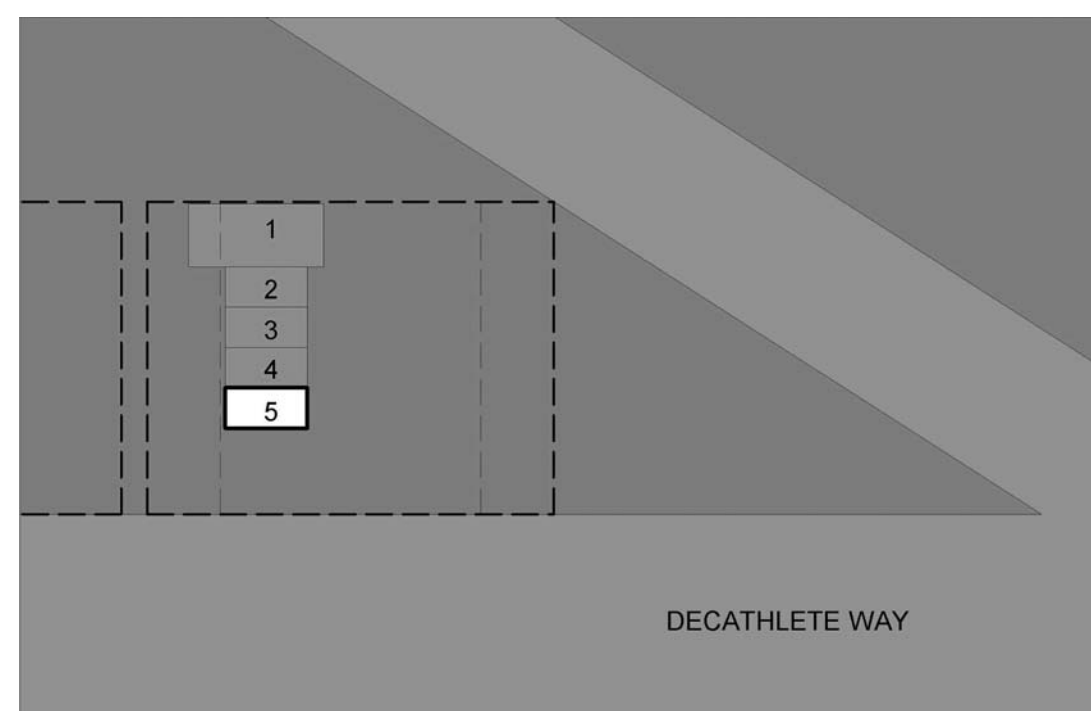
DISASSEMBLY 7 NOTES

- TYPICAL OM TRAILER REMOVAL METHOD USED FOR DISASSEMBLY 7 (SEE DISASSEMBLY 4 STAGES 1-2)

DISASSEMBLY 8 NOTES

- TYPICAL OM TRAILER REMOVAL METHOD USED FOR DISASSEMBLY 8 (SEE DISASSEMBLY 4 STAGES 1-2)

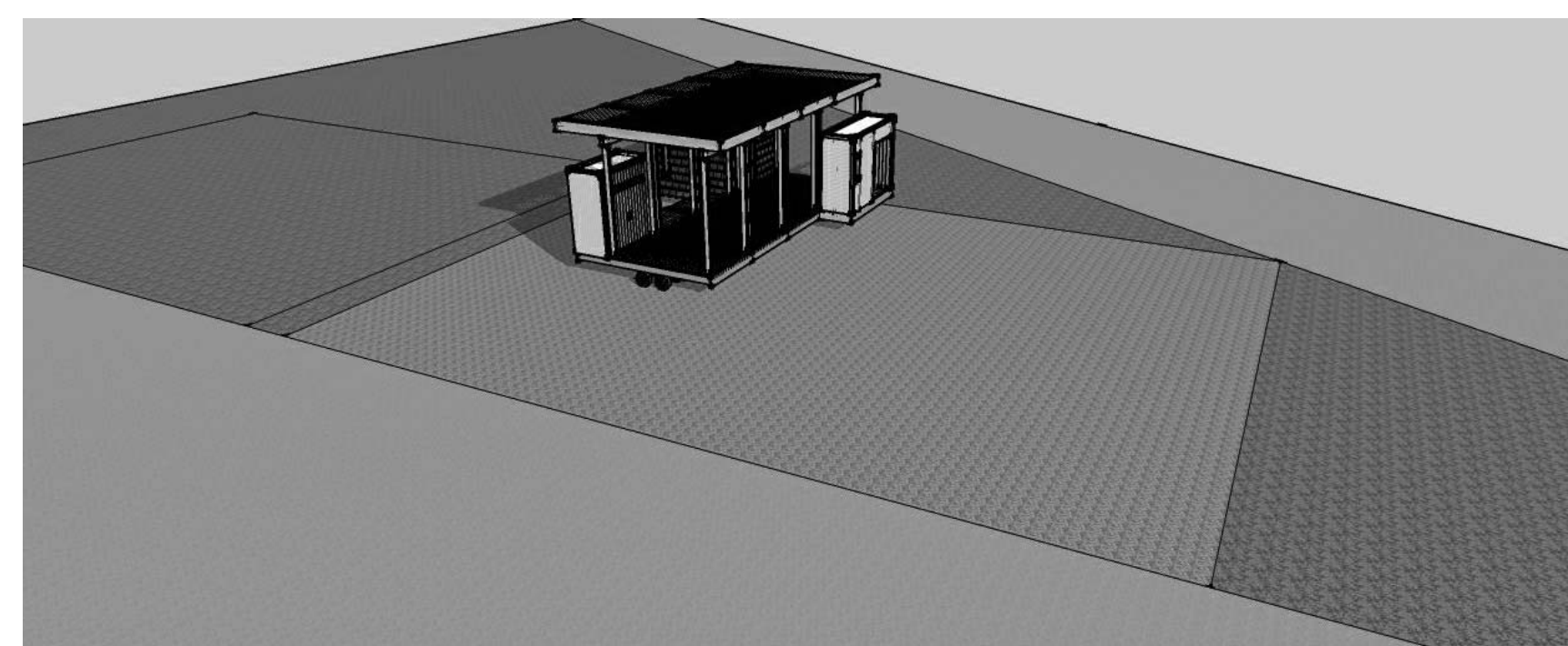
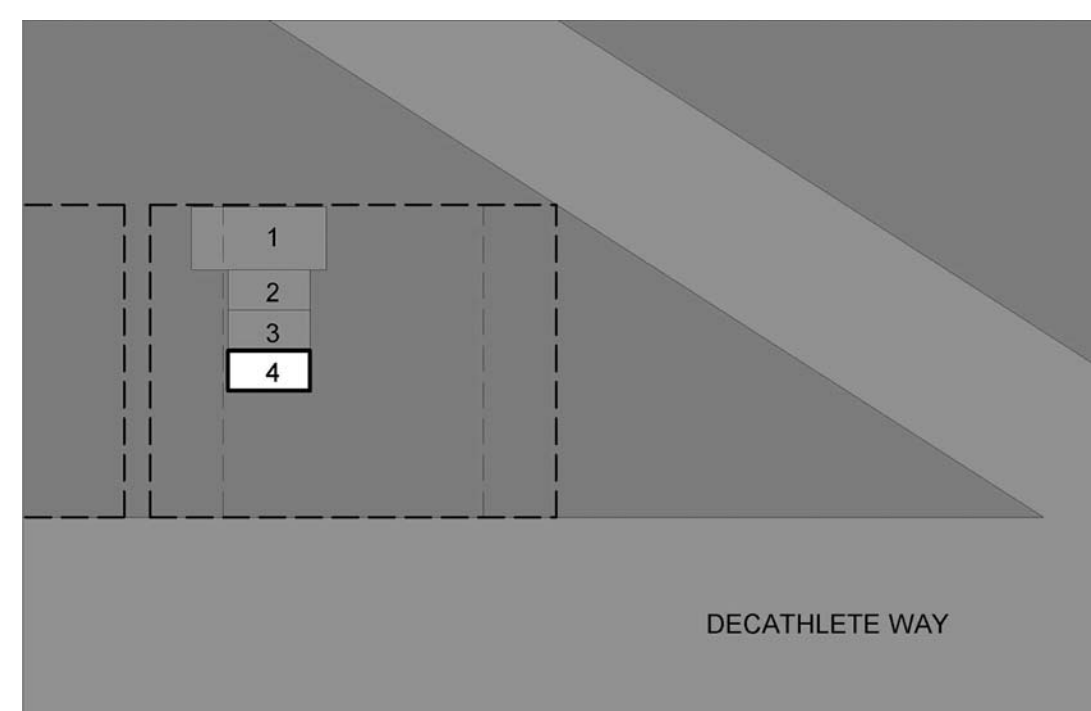
G



F

F1 TRAILER DISASSEMBLY 6
NTS

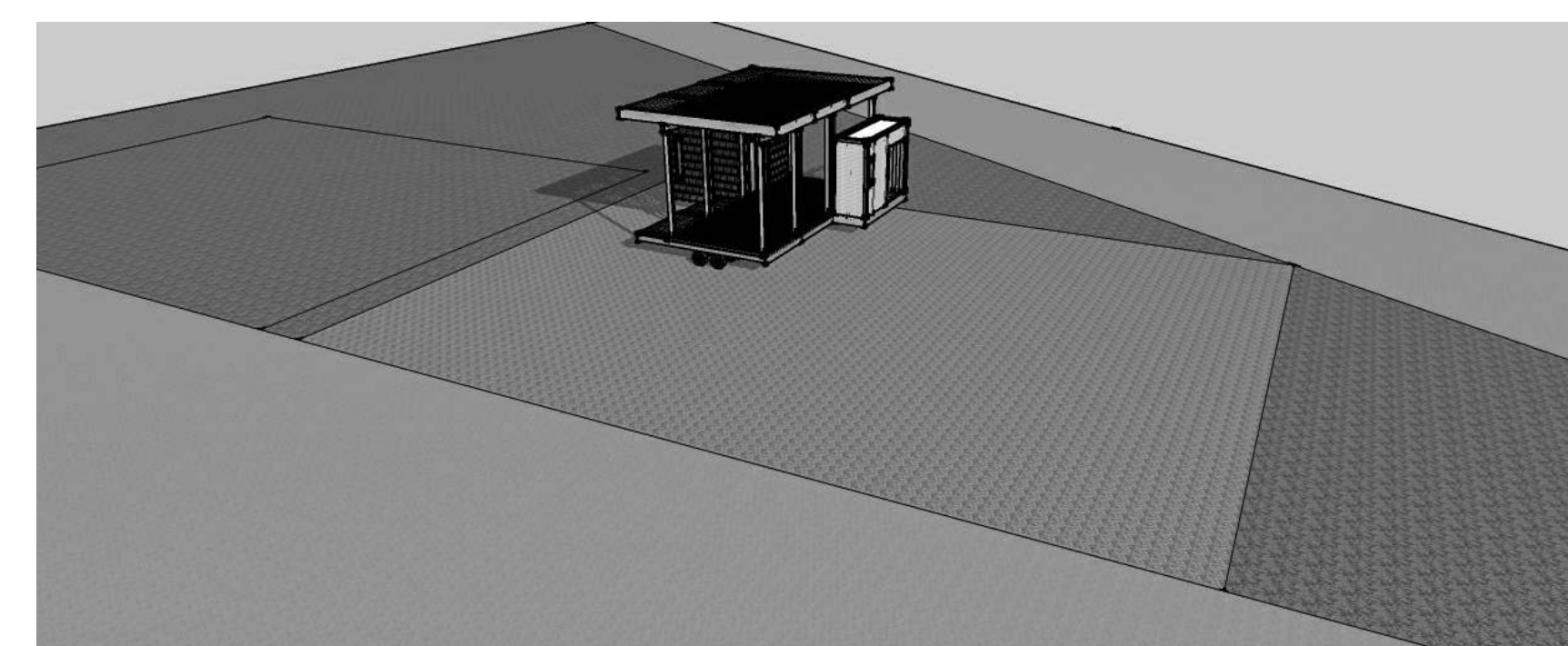
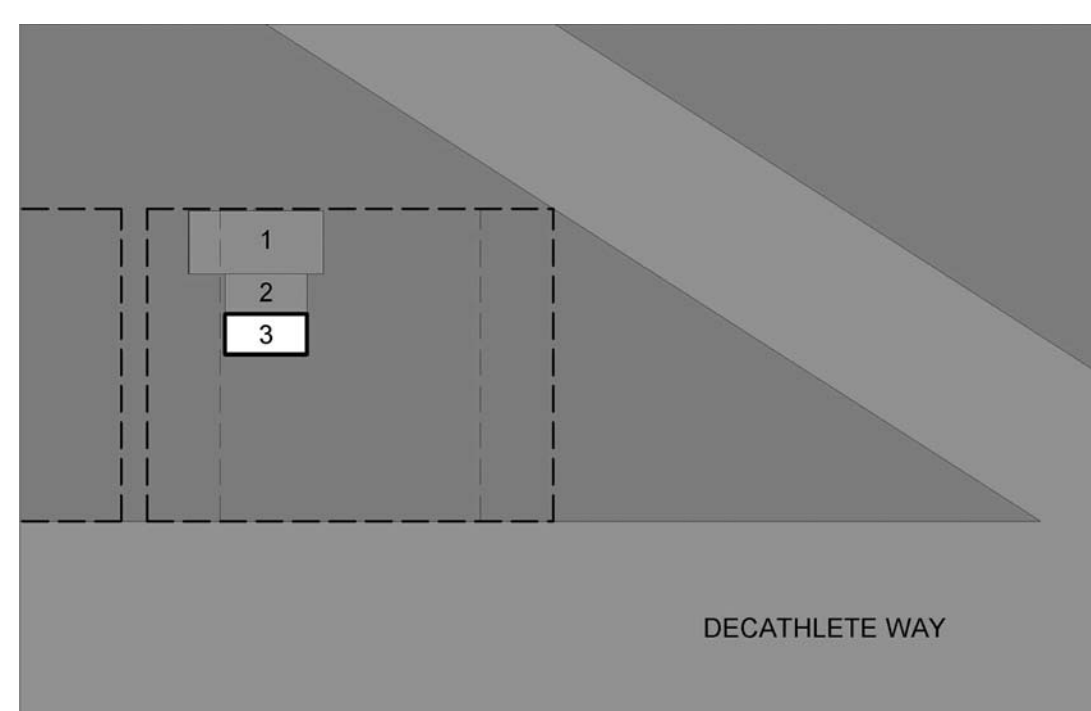
E



D

D1 TRAILER DISASSEMBLY 7
NTS

C



B

A

A1 TRAILER DISASSEMBLY 8
NTS

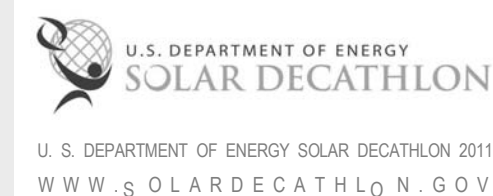


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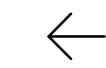

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0-108

GENERAL SHEET NOTES

- DISASSEMBLY 4 STAGE 1 AND 2 TO BE USED AS TYPICAL METHOD FOR DISASSEMBLY 4 THROUGH 9

SITE OPERATIONS LEGEND

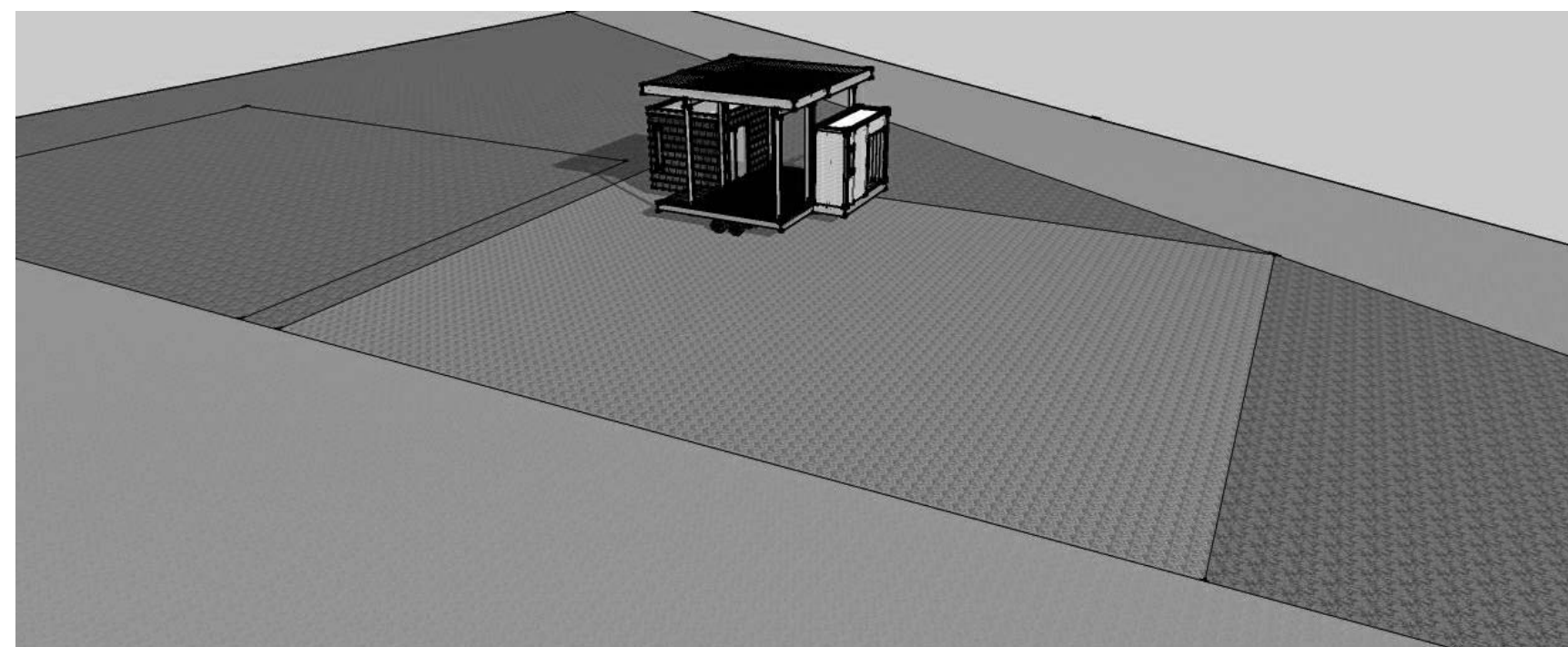
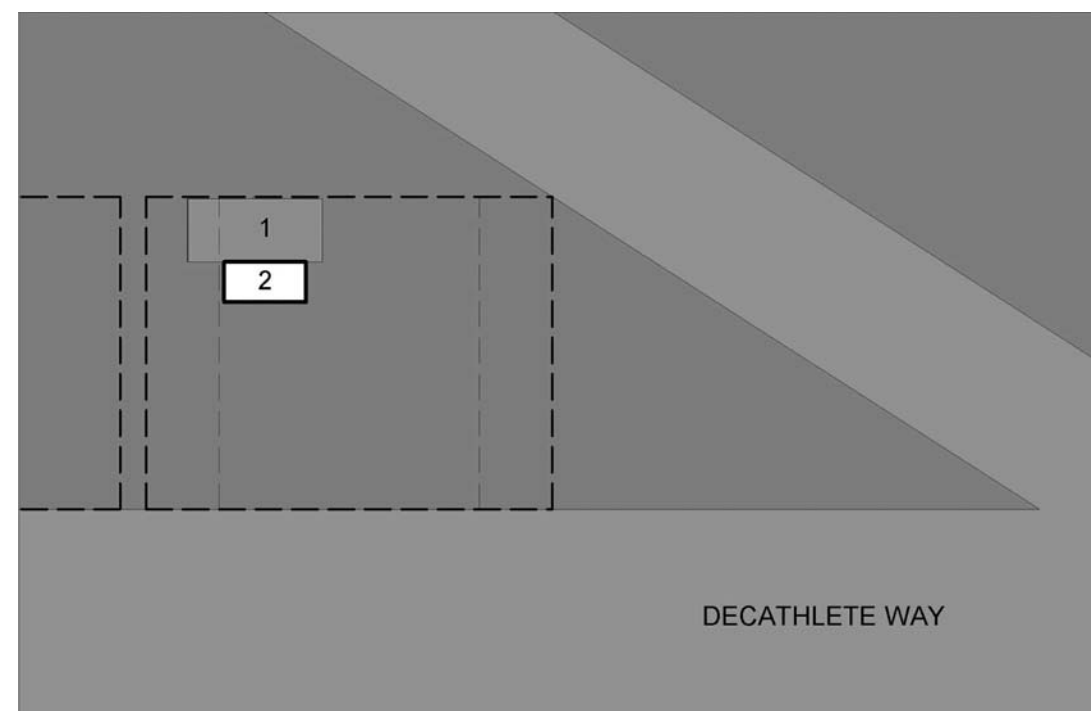
-  TRAILER #
-  VEHICLE PATHWAY
-  SEMI TRUCK

DISASSEMBLY 9 NOTES

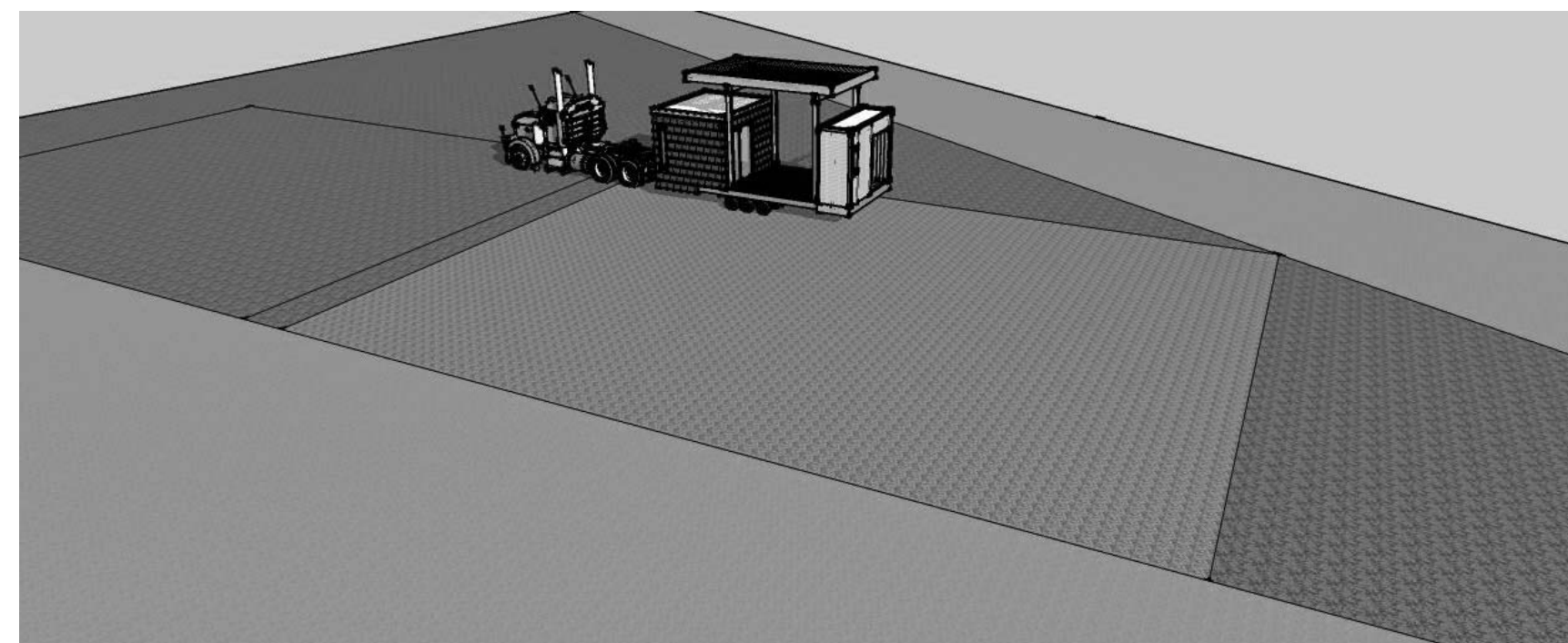
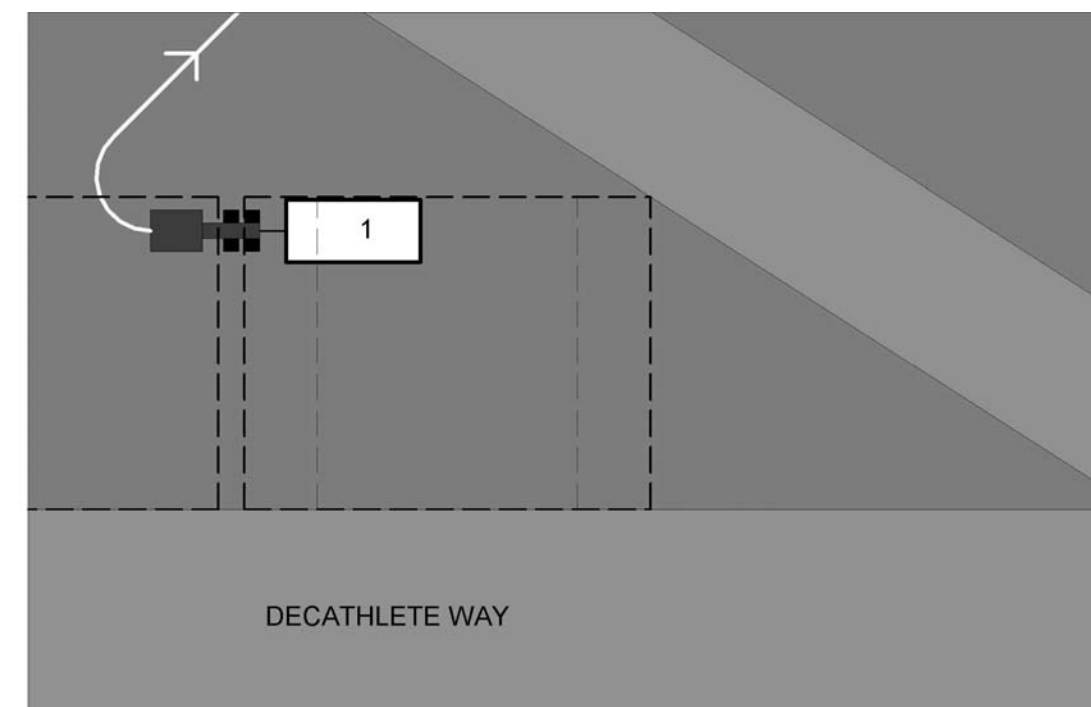
- TYPICAL OM TRAILER REMOVAL METHOD USED FOR DISASSEMBLY 9 (SEE DISASSEMBLY 4 STAGES 1-2)

DISASSEMBLY 10 NOTES

- DISASSEMBLY 10 INVOLVES BACKING THE TRUCK TO THE FLEX OM TRAILER, ATTACHING, AND IMMEDIATELY TURNING NORTH



1 TRAILER DISASSEMBLY 9
NTS



2 TRAILER DISASSEMBLY 10
NTS

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THE SOLAR HOMESTEAD
APPALACHIAN STATE UNIVERSITY

1100 EAST KING STREET
BOONE, NC 28607
PHONE: 828.262.8519
SOLARHOMESTEAD@APPSTATE.EDU
WWW.THESOLARHOMESTEAD.ORG

SEALS:

CLIENT:

U.S. DEPARTMENT OF ENERGY
SOLAR DECATHLON
U.S. DEPARTMENT OF ENERGY SOLAR DECATHLON 2011
WWW.SOLARDECATHLON.GOV

LOT #: 205 | APPST
DRAWN BY: TH, JA
CHECKED BY: TM, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
WATER DELIVERY



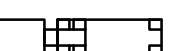
SHEET NUMBER:

0-109

GENERAL SHEET NOTES

1. REFER TO GROUND CONTACT PLAN FOR WATER TANK LOCATIONS
2. A MINIMUM OF 1' OF ACCESS WILL BE PROVIDED FOR WATER DELIVERY
3. ALL BLADDERS WILL BE EQUIPPED WITH A 4" RECEPTACLE
4. WATER SUPPLY TANKS LOCATED IN NORTH EAST CORNER OF LOT
5. WASTE WATER TANKS LOCATED IN SOUTH EAST CORNER AND NORTH WEST CORNER OF LOT
6. SIX TEAM MEMBERS TO BE STANDING BY TO MOVE WATER DELIVERY AND REMOVAL HOSE FROM PREVIOUS TEAM LOT

SITE OPERATIONS LEGEND

-  TRAILER #
-  VEHICLE PATHWAY
-  WATER TRUCK

WATER DELIVERY STAGE 1 NOTES

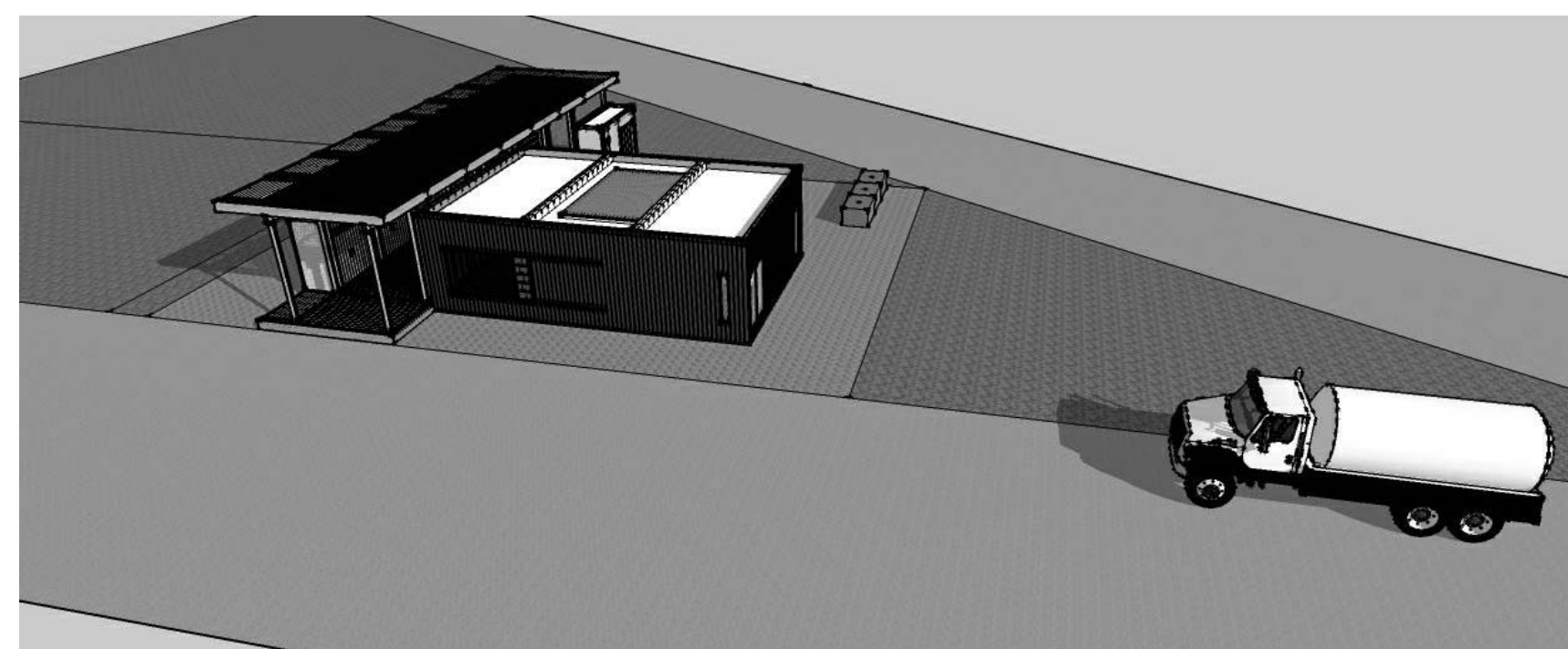
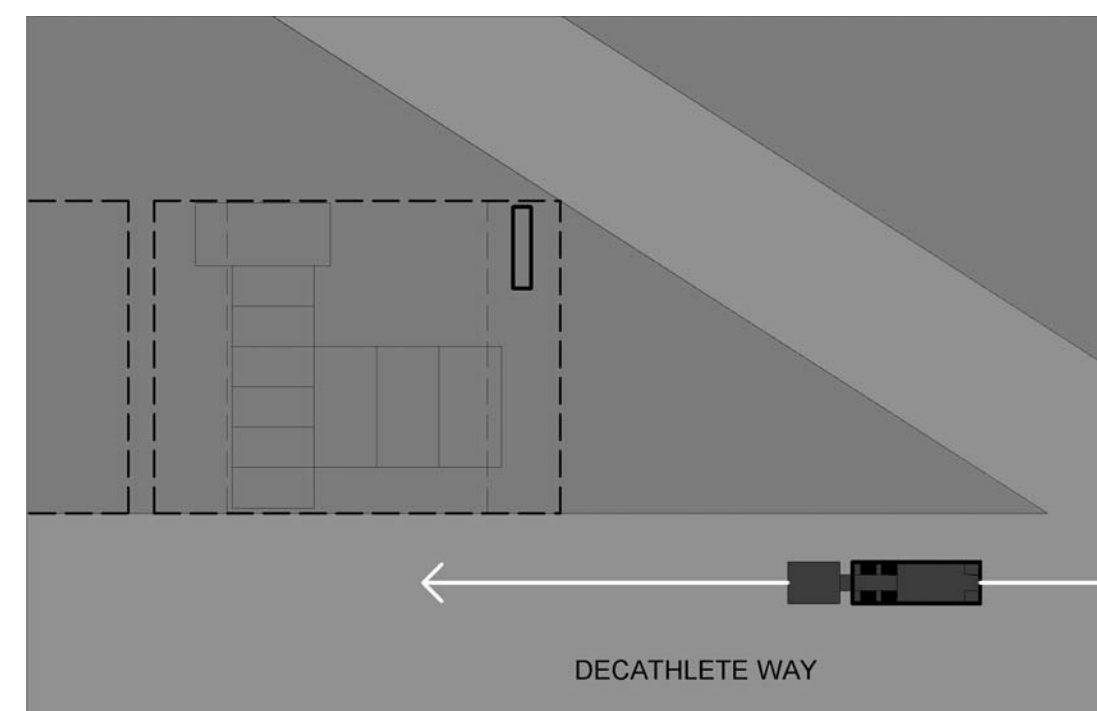
1. WATER DELIVERY TRUCK PULLS UP TO LOT

WATER DELIVERY STAGE 2 NOTES

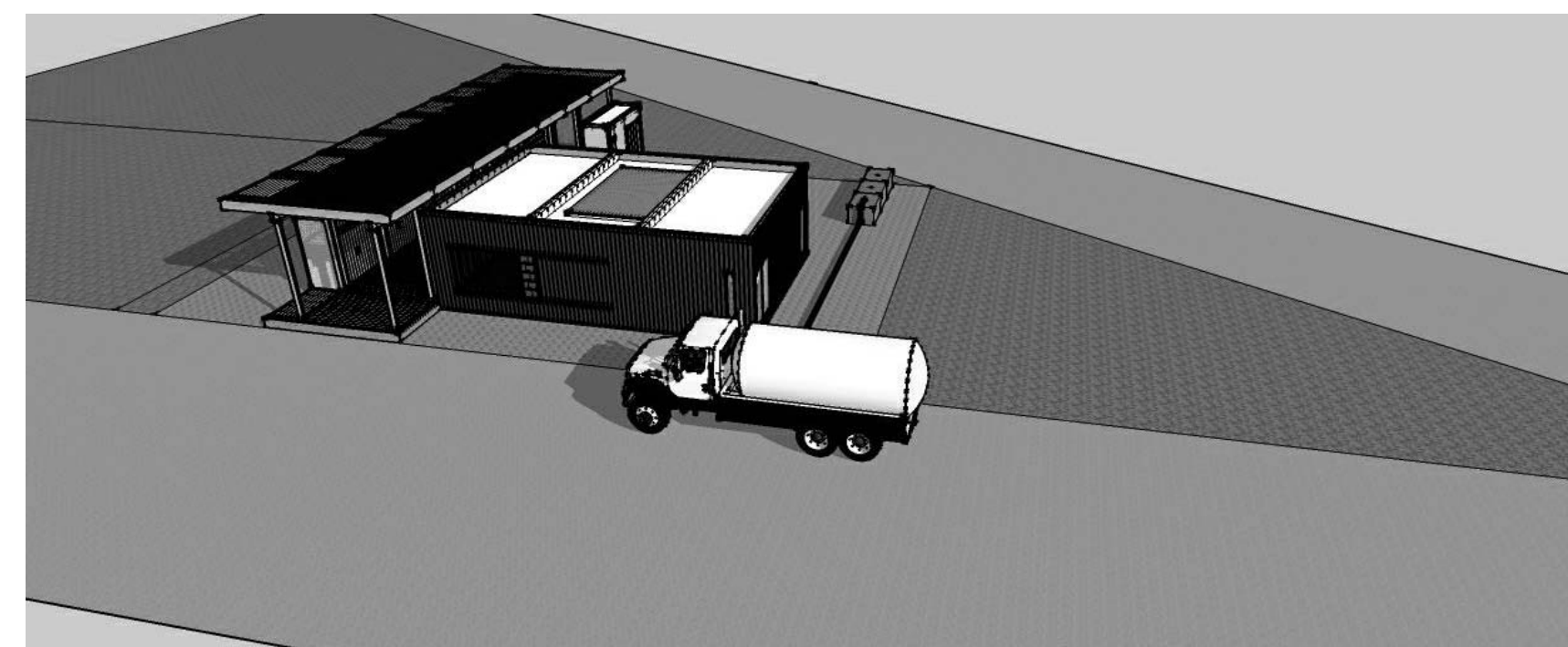
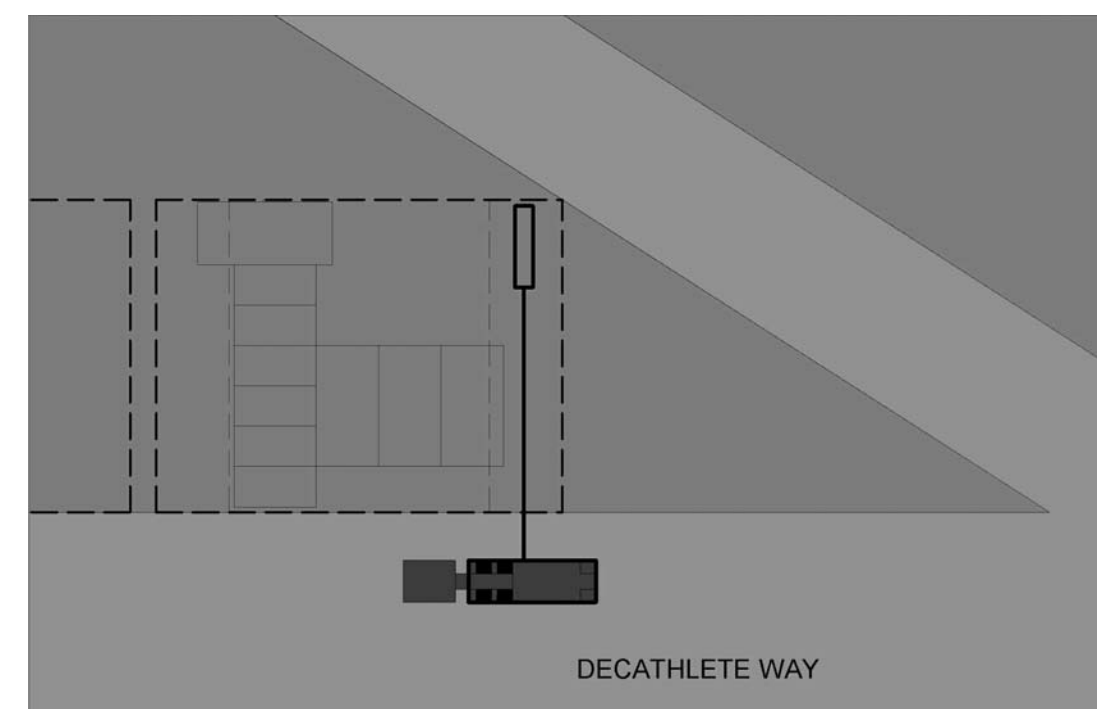
1. AWAITING TEAM MEMBERS MOVE WATER HOSE FROM PREVIOUS LOCATION TO NEW LOCATION SHOWN
2. HOSE IS THEN HOOKED UP TO DELIVERY TRUCK AND STORAGE TANKS
3. WATER DELIVERY BEGINS

WATER DELIVERY STAGE 3 NOTES

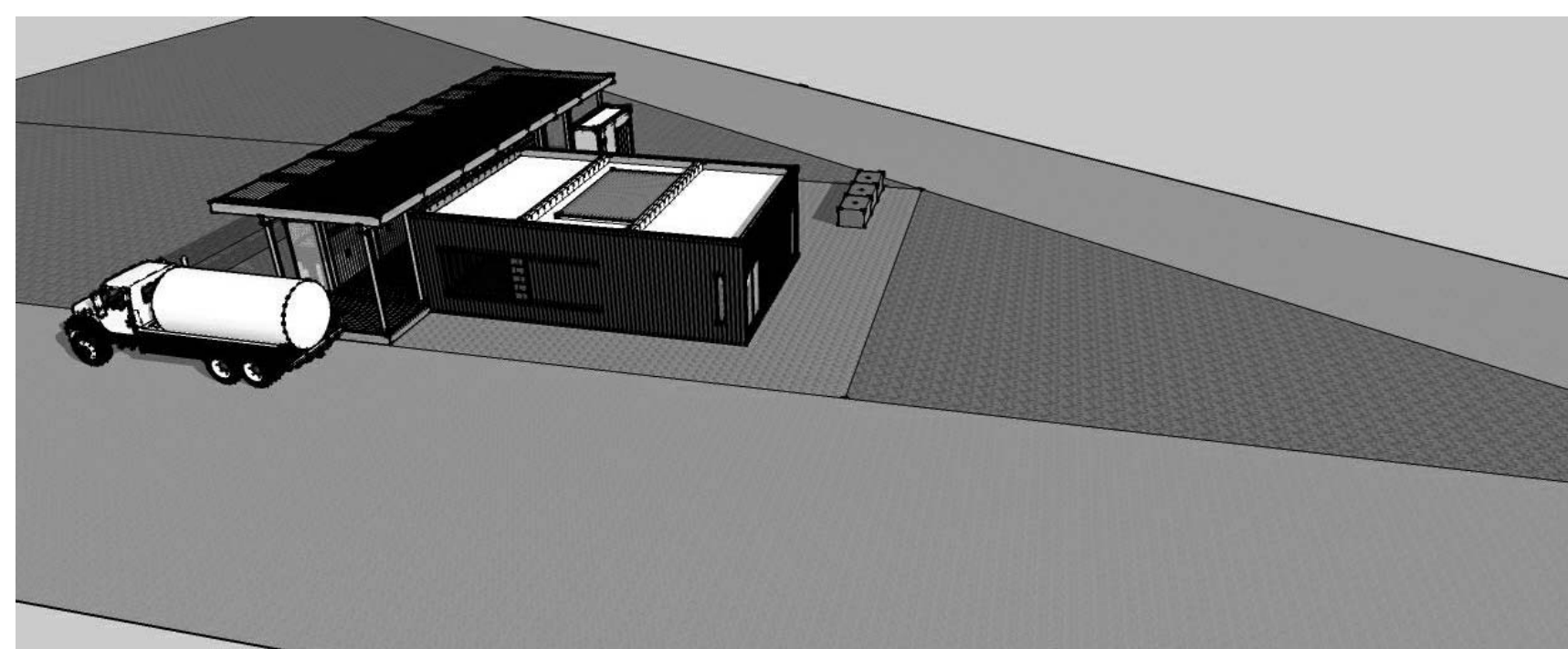
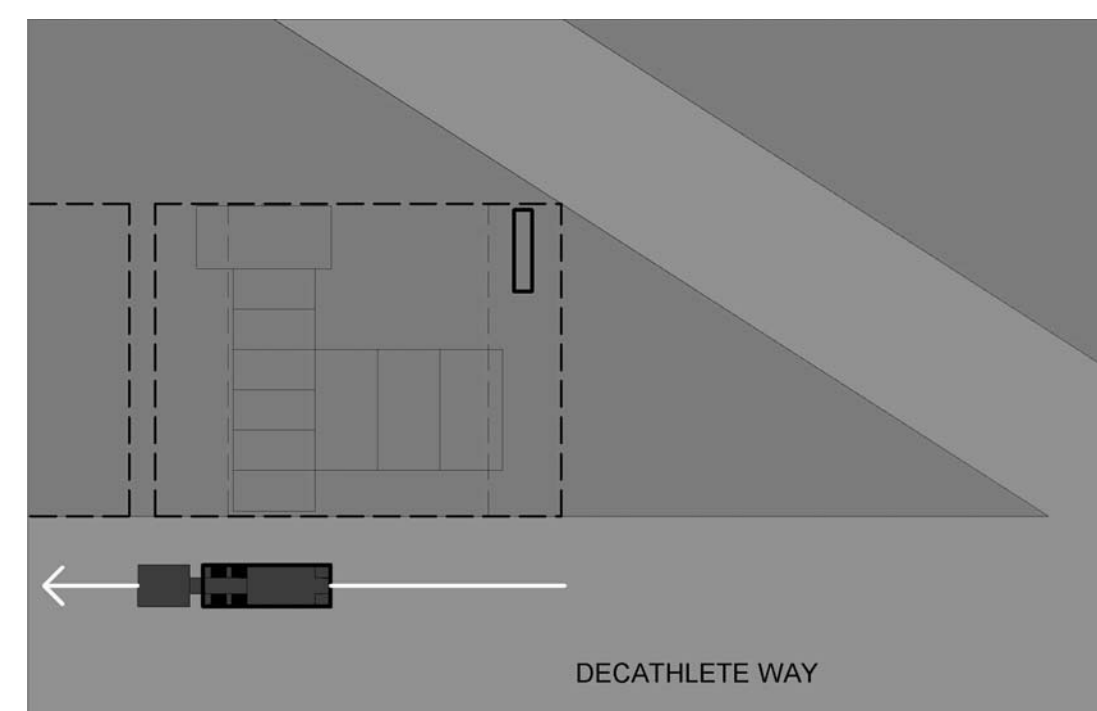
1. WATER HOSE IS REMOVED FROM TANK AND TRUCK IN PREPERATION FOR MOVEMENT TO THE NEXT SITE
2. DELIVERY TRUCK MOVES ON TO NEXT SITE



F1 WATER DELIVERY STAGE 1 NTS



○ WATER DELIVERY STAGE 2 NTS



A1 WATER DELIVERY STAGE 3 NTS



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WWW.THESOLARHOMESTEAD.ORG

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LOT #: 205 | APPST
DRAWN BY: TH, JA
CHECKED BY: TM, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
WATER REMOVAL


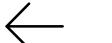

SHEET NUMBER:

0-110

GENERAL SHEET NOTES

1. REFER TO GROUND CONTACT PLAN FOR WATER TANK LOCATIONS
2. A MINIMUM OF 1' OF ACCESS WILL BE PROVIDED FOR WATER DELIVERY
3. ALL BLADDERS WILL BE EQUIPPED WITH A 4" RECEPTACLE

SITE OPERATIONS LEGEND

-  TRAILER #
-  VEHICLE PATHWAY
-  WATER TRUCK

WATER REMOVAL STAGE 1 NOTES

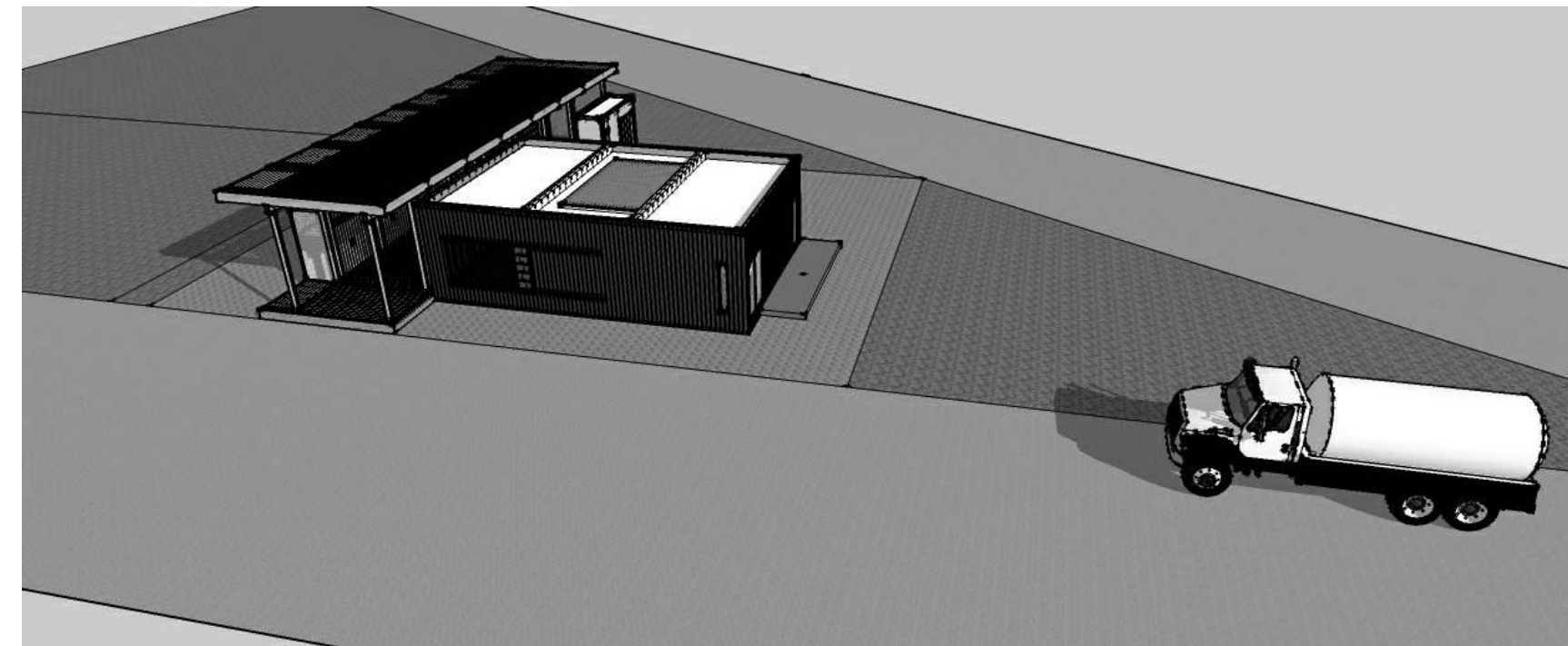
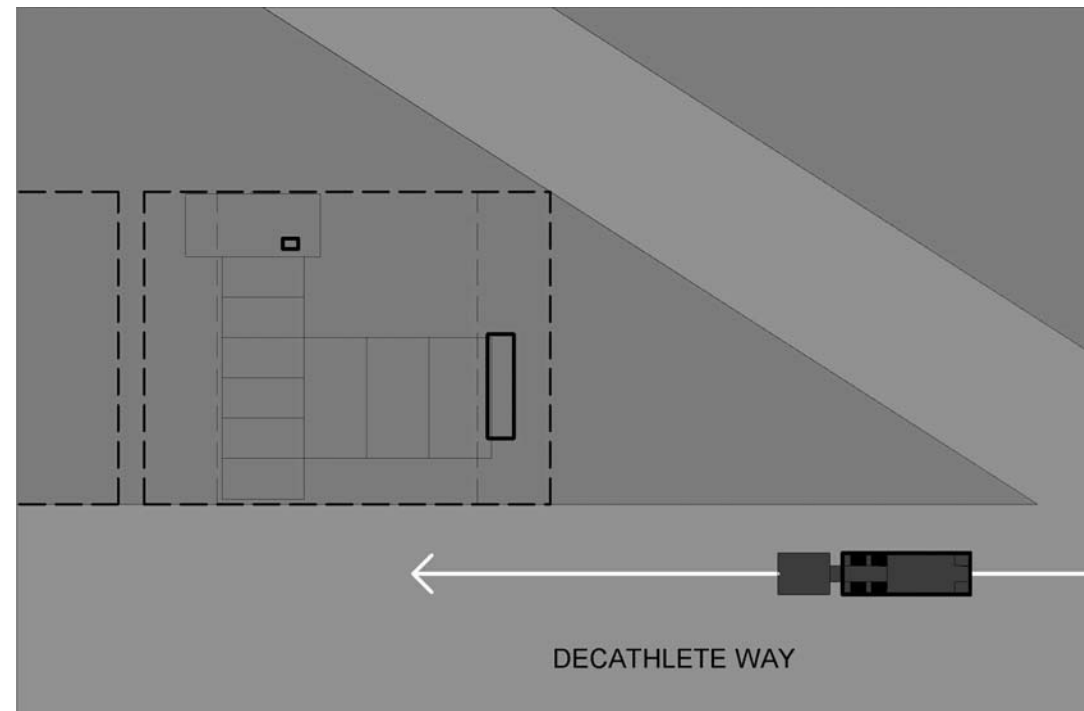
1. WATER REMOVAL TRUCK PULLS UP TO SITE

WATER REMOVAL STAGE 2 NOTES

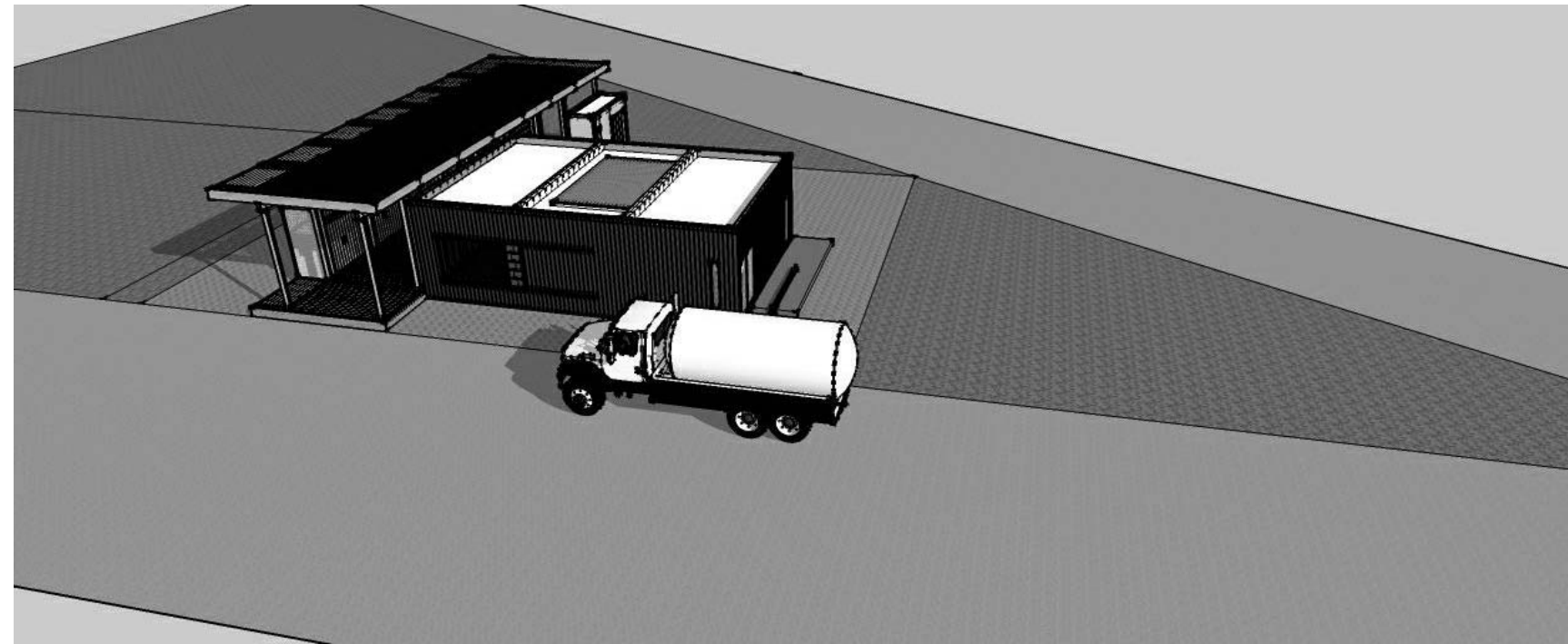
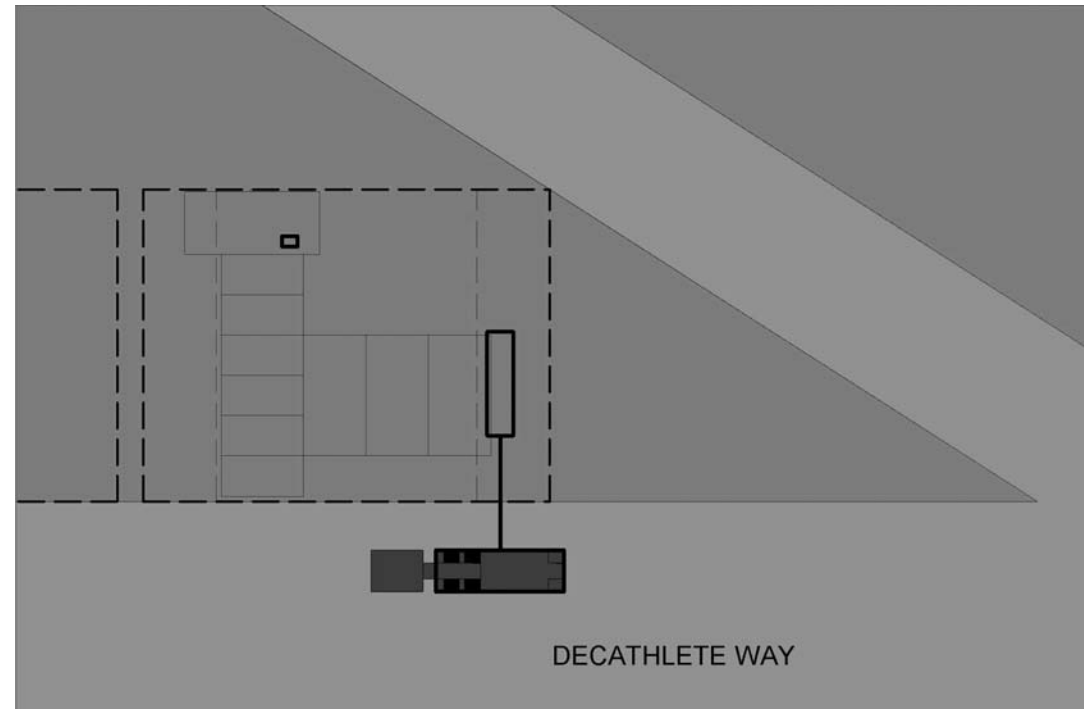
1. AWAITING TEAM MEMBERS MOVE WATER HOSE FROM PREVIOUS LOCATION TO NEW LOCATION SHOWN
2. HOSE IS THEN HOOKED UP TO REMOVAL TRUCK AND FIRST WASTE WATER STORAGE TANK
3. WATER REMOVAL BEGINS

WATER REMOVAL STAGE 3 NOTES

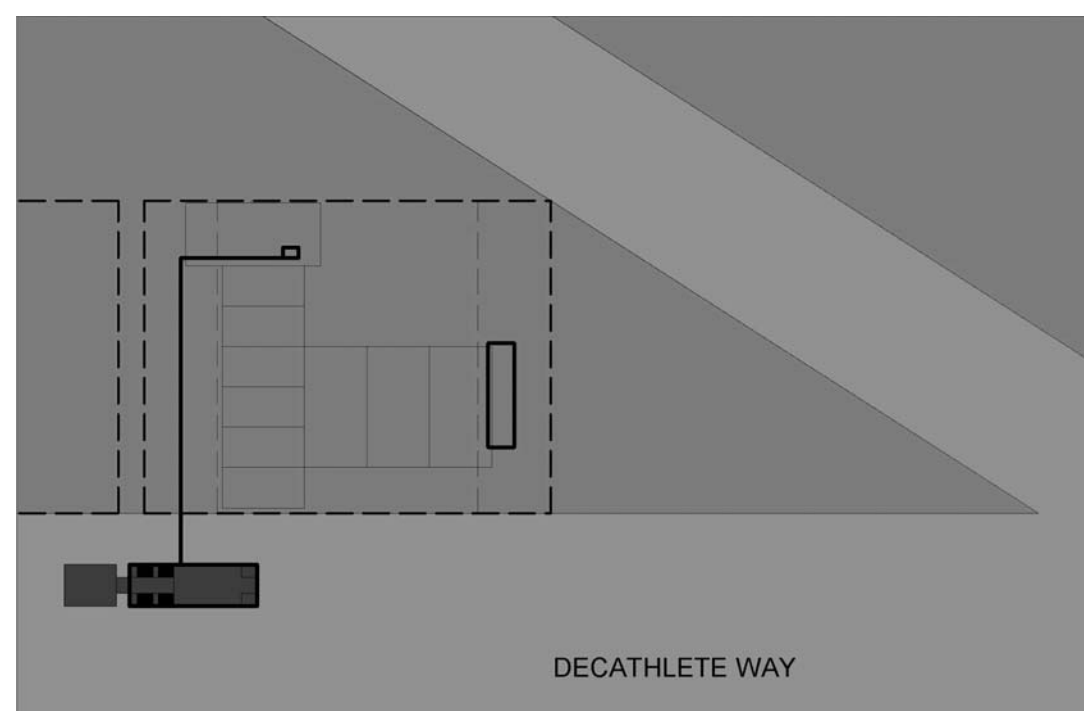
1. AWAITING TEAM MEMBERS MOVE WATER HOSE FROM PREVIOUS LOCATION TO NEW LOCATION SHOWN
2. REMOVAL TRUCK PULLS FORWARD
3. HOSE IS THEN HOOKED UP TO REMOVAL TRUCK AND SECOND WASTE WATER STORAGE TANK
4. WATER REMOVAL BEGINS



F1 WATER REMOVAL 1
NTS



WATER REMOVAL 2
NTS



A1 WATER REMOVAL 3
NTS



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LOT #: 205 | APPST
DRAWN BY: TH, JA
CHECKED BY: TM, DJM
STATUS: AS-BUILT DRAWINGS

MARK - DATE - DESCRIPTION

SHEET TITLE:
WATER REMOVAL

SHEET NUMBER:

0-111




GENERAL SHEET NOTES

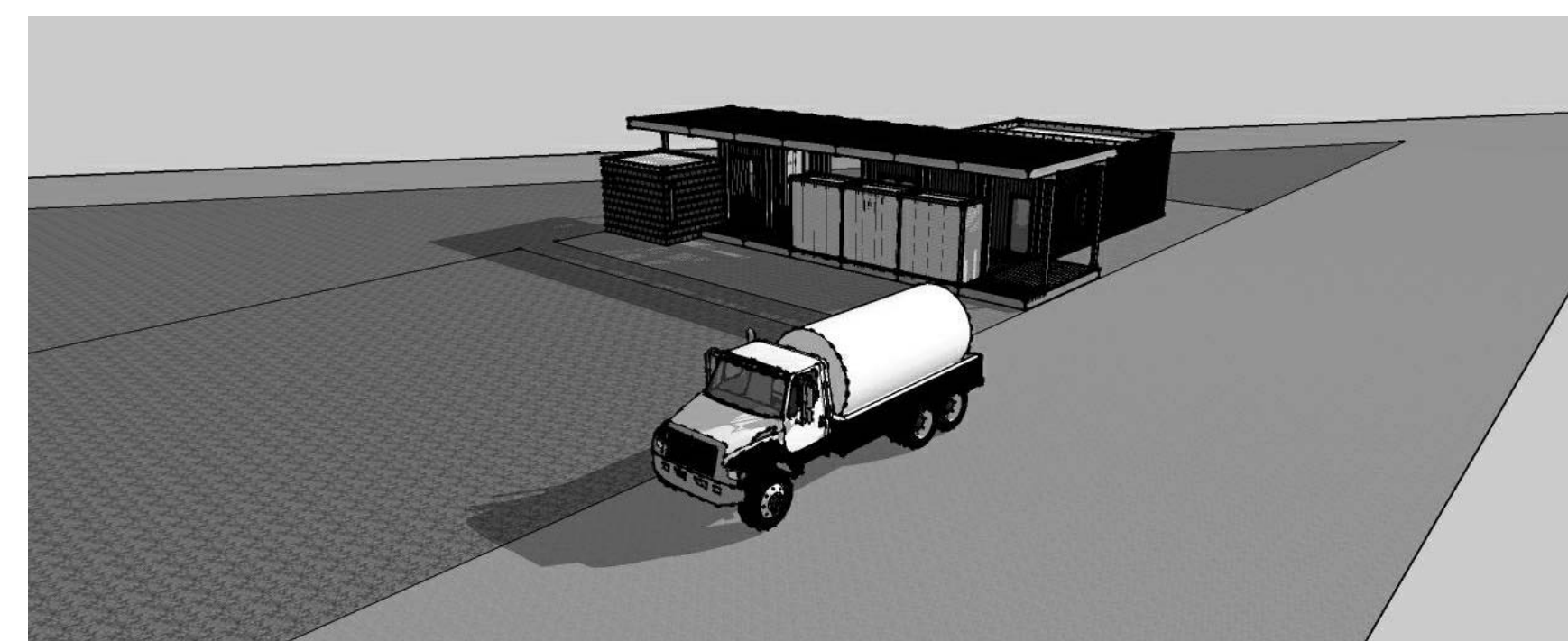
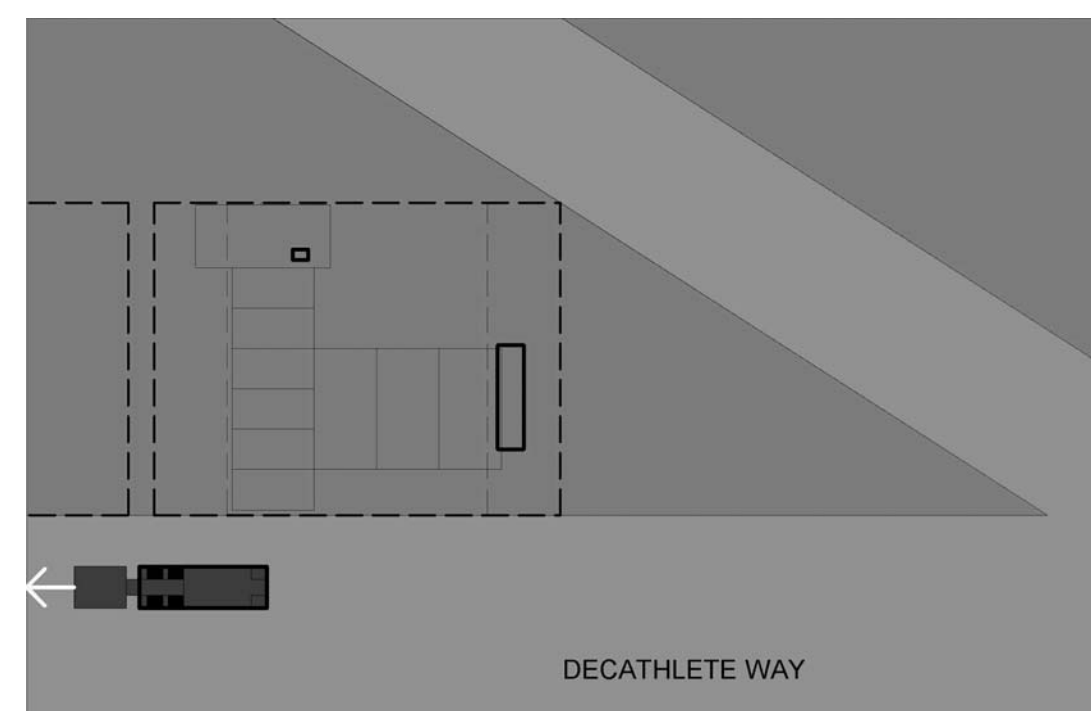
- REFER TO GROUND CONTACT PLAN FOR WATER TANK LOCATIONS

WATER REMOVAL STAGE 4 NOTES

- WATER HOSE IS REMOVED FROM TANK AND TRUCK IN PREPERATION FOR MOVEMENT TO THE NEXT SITE
- REMOVAL TRUCK MOVES ON TO NEXT SITE

SITE OPERATIONS LEGEND

-  TRAILER #
-  VEHICLE PATHWAY
-  WATER TRUCK



F1 WATER REMOVAL 4
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GENERAL SHEET NOTES

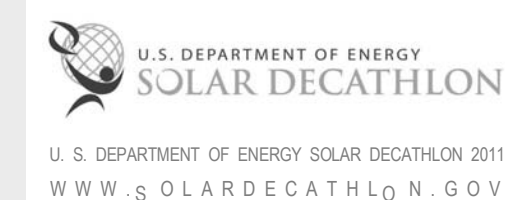


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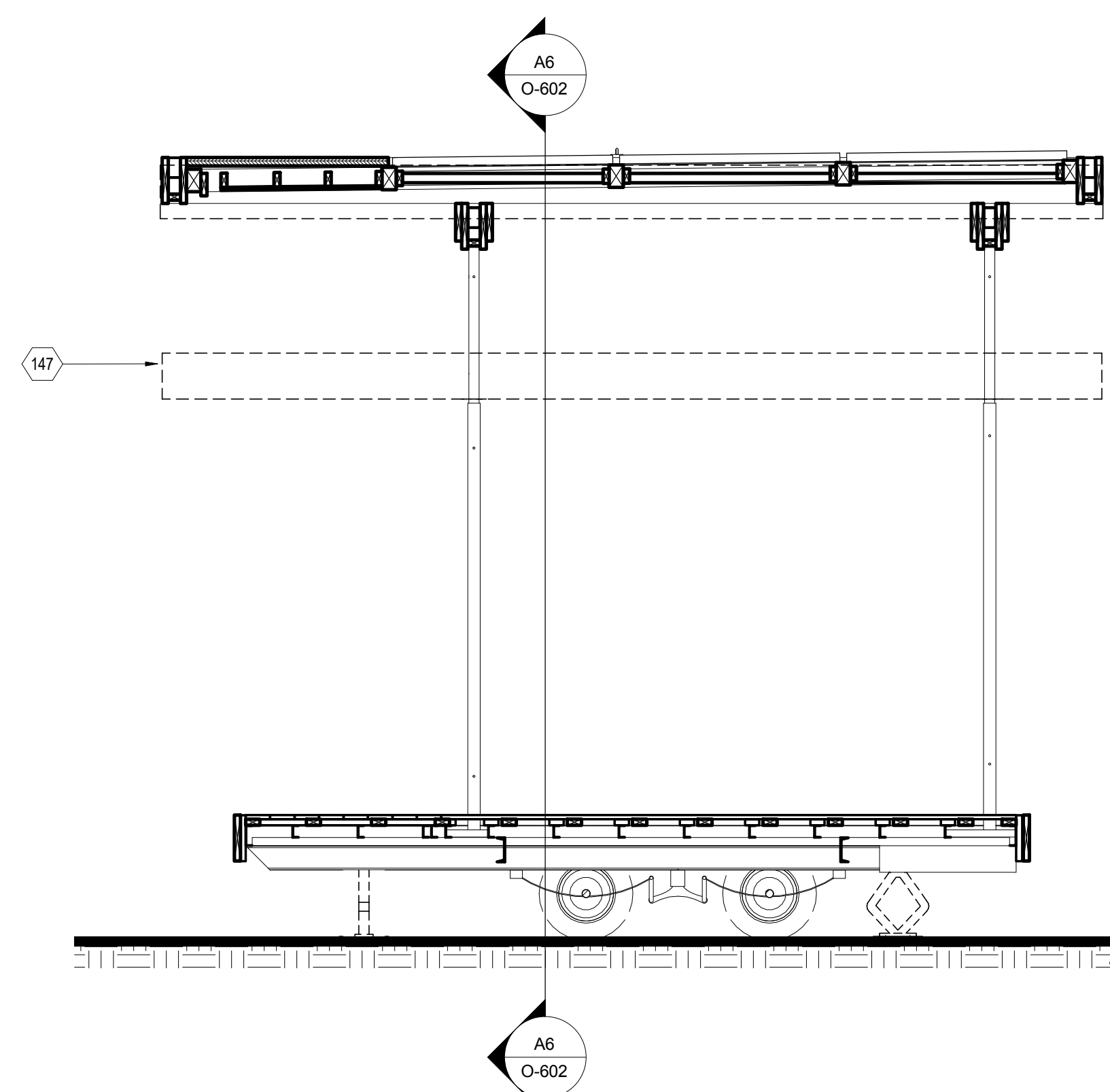
SHEET KEYNOTES

147 LOCATION OF CANOPY DURING TRANSPORTATION

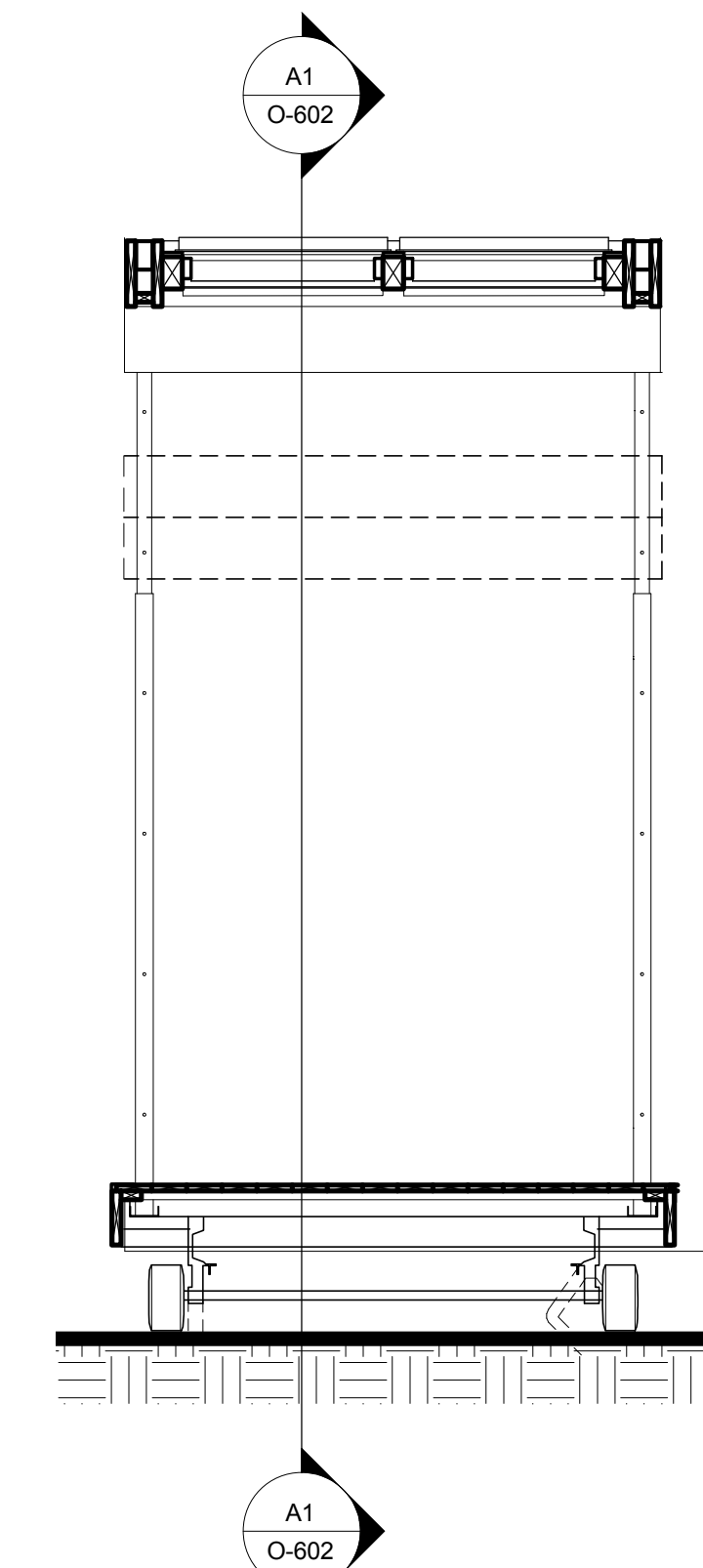
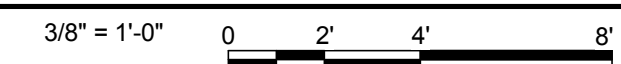
SHEET TITLE:
TRUCK LOADING DIAGRAM

SHEET NUMBER:

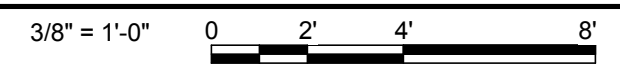
O-602



(A1) OM DURING TRANSPORT LONGITUDINAL



(A6) OM DURING TRANSPORT TRANSVERSE



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