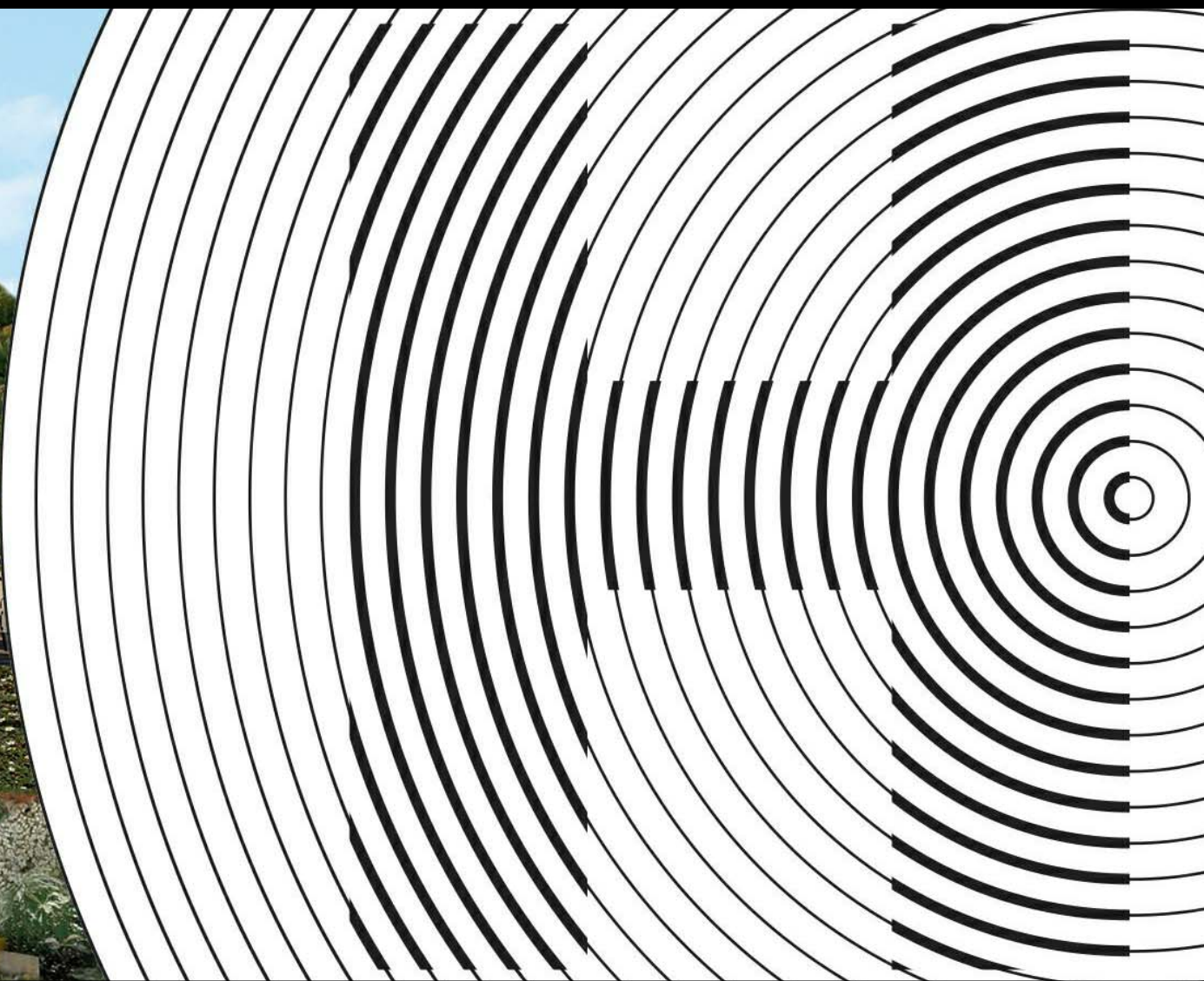
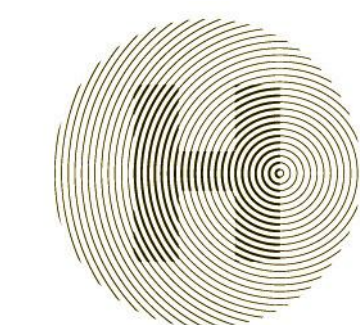


TEAM CAPITOL DC SOLAR DECATHLON 2013



PROJECT INFORMATION

PROJECT NAME: HARVEST
LOCATION: ORANGE COUNTY NATIONAL GREAT PARK
IRVINE, CA
OCCUPANCY: RESIDENTIAL
CONSTRUCTION TYPE: TYPE V
BUILDING TYPE: NEW SINGLE STORY MODULAR HOME
DESIGN TEAM: THE CATHOLIC UNIVERSITY OF AMERICA
GEORGE WASHINGTON UNIVERSITY
AMERICAN UNIVERSITY
FACULTY PROJECT COORDINATOR: BILL JELEN
PROJECT MANAGER: ROBERT BLABOLIL
ARCHITECTURE PROJECT MANAGER: JEREMY HAAK
PROJECT ENGINEER: LAUREN WINGO
CONSTRUCTION MANAGER: KYLE NOELL



HARVEST | TEAM
CAPITOL
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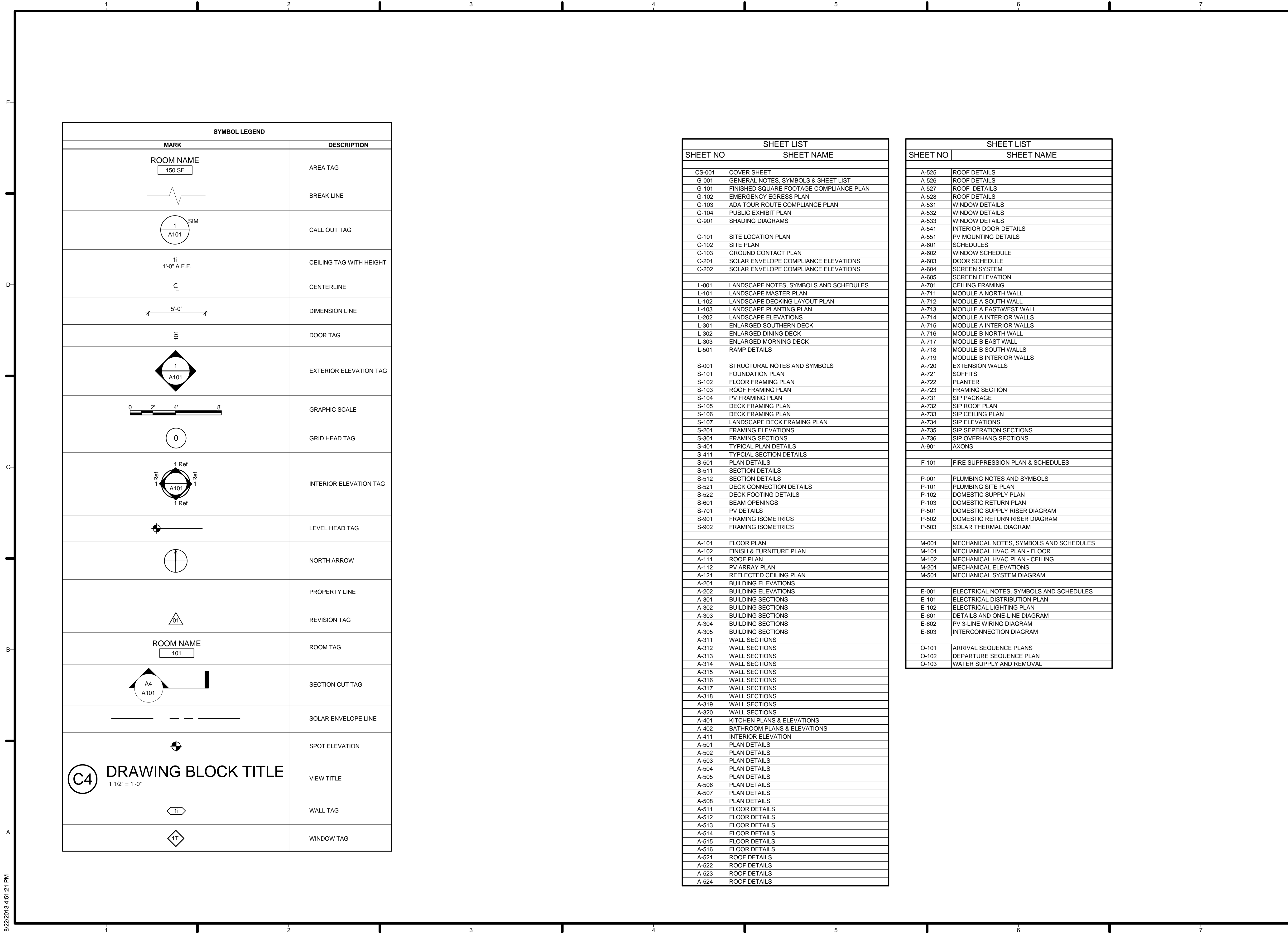
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SHEET TITLE

COVER SHEET

CS-001



SYMBOL LEGEND	
MARK	DESCRIPTION
ROOM NAME 150 SF	AREA TAG
	BREAK LINE
	CALL OUT TAG
1i 1'-0" A.F.F.	CEILING TAG WITH HEIGHT
	CENTERLINE
	DIMENSION LINE
101	DOOR TAG
	EXTERIOR ELEVATION TAG
	GRAPHIC SCALE
0	GRID HEAD TAG
	INTERIOR ELEVATION TAG
	LEVEL HEAD TAG
	NORTH ARROW
	PROPERTY LINE
	REVISION TAG
ROOM NAME 101	ROOM TAG
	SECTION CUT TAG
	SOLAR ENVELOPE LINE
	SPOT ELEVATION
C4 DRAWING BLOCK TITLE 1 1/2" = 1'-0"	VIEW TITLE
	WALL TAG
	WINDOW TAG

SHEET LIST	
SHEET NO	SHEET NAME
CS-001	COVER SHEET
G-001	GENERAL NOTES, SYMBOLS & SHEET LIST
G-101	FINISHED SQUARE FOOTAGE COMPLIANCE PLAN
G-102	EMERGENCY EGRESS PLAN
G-103	ADA TOUR ROUTE COMPLIANCE PLAN
G-104	PUBLIC EXHIBIT PLAN
G-901	SHADING DIAGRAMS
C-101	SITE LOCATION PLAN
C-102	SITE PLAN
C-103	GROUND CONTACT PLAN
C-201	SOLAR ENVELOPE COMPLIANCE ELEVATIONS
C-202	SOLAR ENVELOPE COMPLIANCE ELEVATIONS
L-001	LANDSCAPE NOTES, SYMBOLS AND SCHEDULES
L-101	LANDSCAPE MASTER PLAN
L-102	LANDSCAPE DECKING LAYOUT PLAN
L-103	LANDSCAPE PLANTING PLAN
L-202	LANDSCAPE ELEVATIONS
L-301	ENLARGED SOUTHERN DECK
L-302	ENLARGED DINING DECK
L-303	ENLARGED MORNING DECK
L-501	RAMP DETAILS
S-001	STRUCTURAL NOTES AND SYMBOLS
S-101	FOUNDATION PLAN
S-102	FLOOR FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-104	PV FRAMING PLAN
S-105	DECK FRAMING PLAN
S-106	DECK FRAMING PLAN
S-107	LANDSCAPE DECK FRAMING PLAN
S-201	FRAMING ELEVATIONS
S-301	FRAMING SECTIONS
S-401	TYPICAL PLAN DETAILS
S-411	TYPICAL SECTION DETAILS
S-501	PLAN DETAILS
S-511	SECTION DETAILS
S-512	SECTION DETAILS
S-521	DECK CONNECTION DETAILS
S-522	DECK FOOTING DETAILS
S-601	BEAM OPENINGS
S-701	PV DETAILS
S-901	FRAMING ISOMETRICS
S-902	FRAMING ISOMETRICS
A-101	FLOOR PLAN
A-102	FINISH & FURNITURE PLAN
A-111	ROOF PLAN
A-112	PV ARRAY PLAN
A-121	REFLECTED CEILING PLAN
A-201	BUILDING ELEVATIONS
A-202	BUILDING ELEVATIONS
A-301	BUILDING SECTIONS
A-302	BUILDING SECTIONS
A-303	BUILDING SECTIONS
A-304	BUILDING SECTIONS
A-305	BUILDING SECTIONS
A-311	WALL SECTIONS
A-312	WALL SECTIONS
A-313	WALL SECTIONS
A-314	WALL SECTIONS
A-315	WALL SECTIONS
A-316	WALL SECTIONS
A-317	WALL SECTIONS
A-318	WALL SECTIONS
A-319	WALL SECTIONS
A-320	WALL SECTIONS
A-401	KITCHEN PLANS & ELEVATIONS
A-402	BATHROOM PLANS & ELEVATIONS
A-411	INTERIOR ELEVATION
A-501	PLAN DETAILS
A-502	PLAN DETAILS
A-503	PLAN DETAILS
A-504	PLAN DETAILS
A-505	PLAN DETAILS
A-506	PLAN DETAILS
A-507	PLAN DETAILS
A-508	PLAN DETAILS
A-511	FLOOR DETAILS
A-512	FLOOR DETAILS
A-513	FLOOR DETAILS
A-514	FLOOR DETAILS
A-515	FLOOR DETAILS
A-516	FLOOR DETAILS
A-521	ROOF DETAILS
A-522	ROOF DETAILS
A-523	ROOF DETAILS
A-524	ROOF DETAILS

SHEET LIST	
SHEET NO	SHEET NAME
A-525	ROOF DETAILS
A-526	ROOF DETAILS
A-527	ROOF DETAILS
A-528	ROOF DETAILS
A-531	WINDOW DETAILS
A-532	WINDOW DETAILS
A-533	WINDOW DETAILS
A-541	INTERIOR DOOR DETAILS
A-551	PV MOUNTING DETAILS
A-601	SCHEDULES
A-602	WINDOW SCHEDULE
A-603	DOOR SCHEDULE
A-604	SCREEN SYSTEM
A-605	SCREEN ELEVATION
A-701	CEILING FRAMING
A-711	MODULE A NORTH WALL
A-712	MODULE A SOUTH WALL
A-713	MODULE A EAST/WEST WALL
A-714	MODULE A INTERIOR WALLS
A-715	MODULE A INTERIOR WALLS
A-716	MODULE B NORTH WALL
A-717	MODULE B EAST WALL
A-718	MODULE B SOUTH WALLS
A-719	MODULE B INTERIOR WALLS
A-720	EXTENSION WALLS
A-721	SOFFITS
A-722	PLANTER
A-723	FRAMING SECTION
A-731	SIP PACKAGE
A-732	SIP ROOF PLAN
A-733	SIP CEILING PLAN
A-734	SIP ELEVATIONS
A-735	SIP SEPERATION SECTIONS
A-736	SIP OVERHANG SECTIONS
A-901	AXONS
F-101	FIRE SUPPRESSION PLAN & SCHEDULES
P-001	PLUMBING NOTES AND SYMBOLS
P-101	PLUMBING SITE PLAN
P-102	DOMESTIC SUPPLY PLAN
P-103	DOMESTIC RETURN PLAN
P-501	DOMESTIC SUPPLY RISER DIAGRAM
P-502	DOMESTIC RETURN RISER DIAGRAM
P-503	SOLAR THERMAL DIAGRAM
M-001	MECHANICAL NOTES, SYMBOLS AND SCHEDULES
M-101	MECHANICAL HVAC PLAN - FLOOR
M-102	MECHANICAL HVAC PLAN - CEILING
M-201	MECHANICAL ELEVATIONS
M-501	MECHANICAL SYSTEM DIAGRAM
E-001	ELECTRICAL NOTES, SYMBOLS AND SCHEDULES
E-101	ELECTRICAL DISTRIBUTION PLAN
E-102	ELECTRICAL LIGHTING PLAN
E-601	DETAILS AND ONE-LINE DIAGRAM
E-602	PV 3-LINE WIRING DIAGRAM
E-603	INTERCONNECTION DIAGRAM
O-101	ARRIVAL SEQUENCE PLANS
O-102	DEPARTURE SEQUENCE PLAN
O-103	WATER SUPPLY AND REMOVAL

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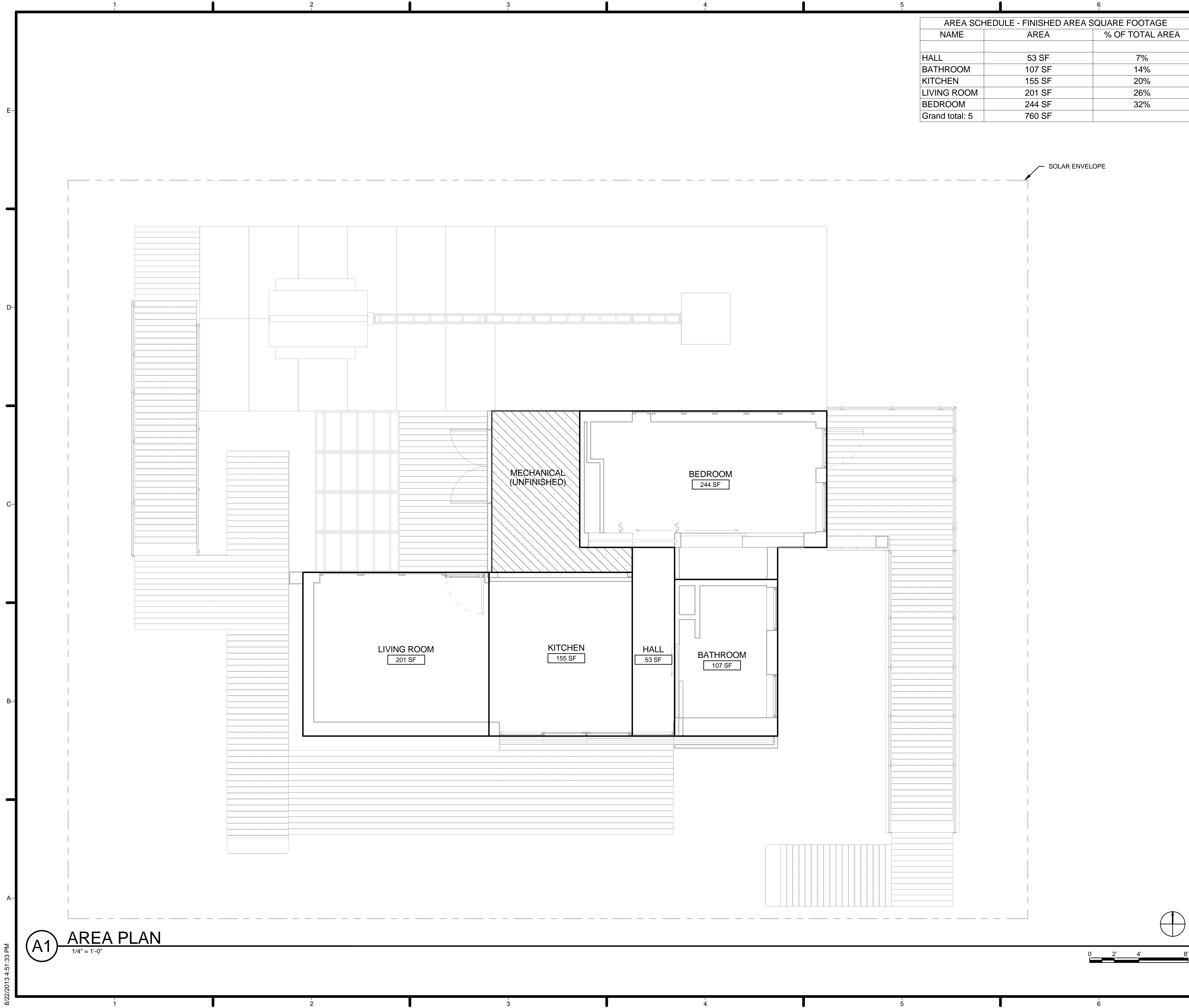
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SHEET TITLE

**GENERAL NOTES,
SYMBOLS & SHEET
LIST**

G-001

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AREA SCHEDULE - FINISHED AREA SQUARE FOOTAGE		
NAME	AREA	% OF TOTAL AREA
HALL	53 SF	7%
BATHROOM	107 SF	14%
KITCHEN	155 SF	20%
LIVING ROOM	201 SF	26%
BEDROOM	244 SF	32%
Grand total:	760 SF	

GENERAL SHEET NOTES

1. THE FINISHED AREA OF THE HOUSE HAS BEEN CALCULATED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARD FOR DETACHED SINGLEFAMILY RESIDENTIAL BUILDING Z765-2003. SQUARE FOOTAGE OF MECHANICAL ROOM NOT INCLUDED IN FINAL SQUARE FOOTAGE OF HOUSE PER ANSI REQUIREMENTS.
3. FINISHED SQUARE FOOTAGE CALCULATIONS FOR THIS HOUSE WERE MADE BASED ON PLAN DIMENSIONS ONLY AND MAY VARY FROM THE FINISHED SQUARE FOOTAGE OF THE HOUSE AS BUILT.
4. FOR FINISHED AREAS ADJACENT TO UNFINISHED AREAS, THE FINISHED SQUARE FOOTAGE IS CALCULATED TO EXTERIOR EDGE OR UNFINISHED SURFACE OF ANY INTERIOR PARTITION BETWEEN SPACES IN COMPLIANCE WITH ANSI-Z765 2003.
5. ALL MEASUREMENTS ARE ROUNDED TO THE NEAREST WHOLE SQUARE FOOT IN ACCORDANCE WITH ANSI Z765-2003.

REFERENCE KEYNOTES

Blank area for reference keynotes.

SHEET KEYNOTES

21 SOLAR ENVELOPE

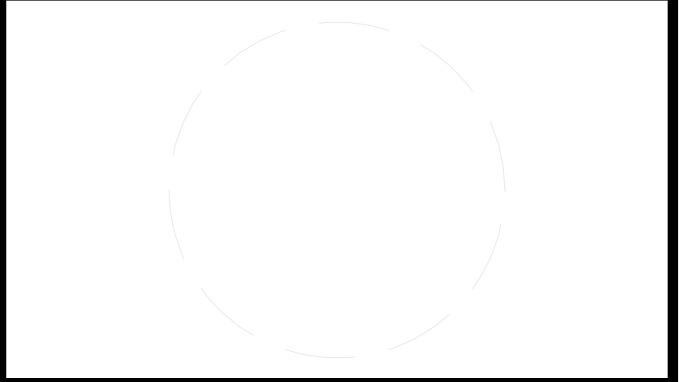


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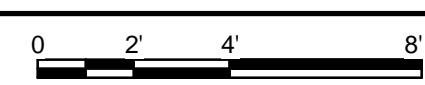
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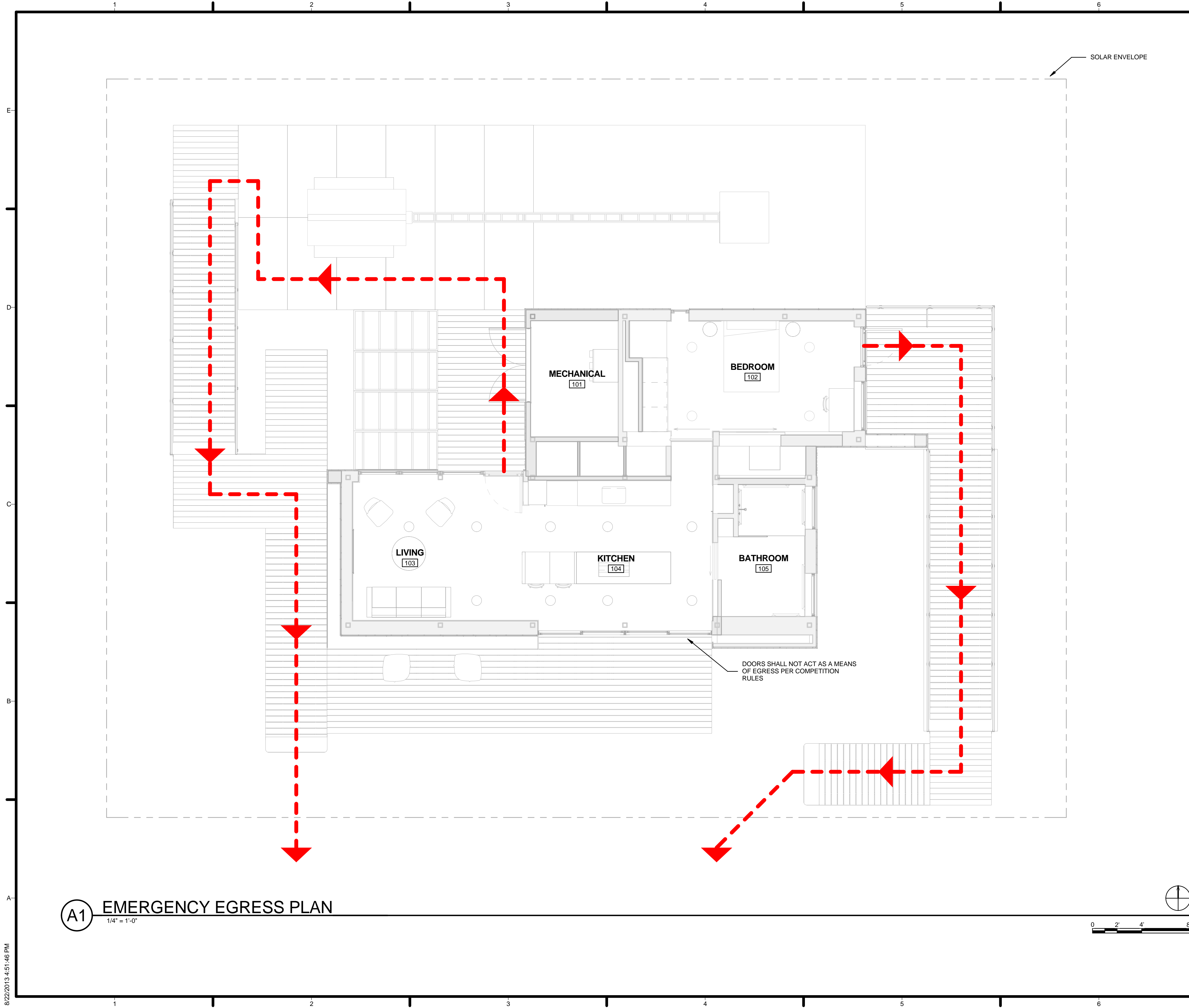
SHEET TITLE
FINISHED SQUARE FOOTAGE COMPLIANCE PLAN

G-101

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



8/22/2013 4:51:33 PM




GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

- 20 DOORS SHALL NOT ACT AS A MEANS OF EGRESS PER COMPETITION RULES
- 21 SOLAR ENVELOPE



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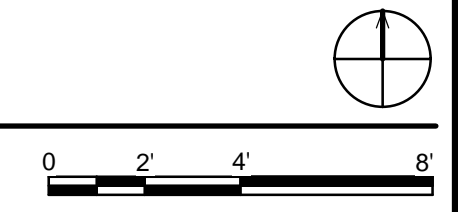
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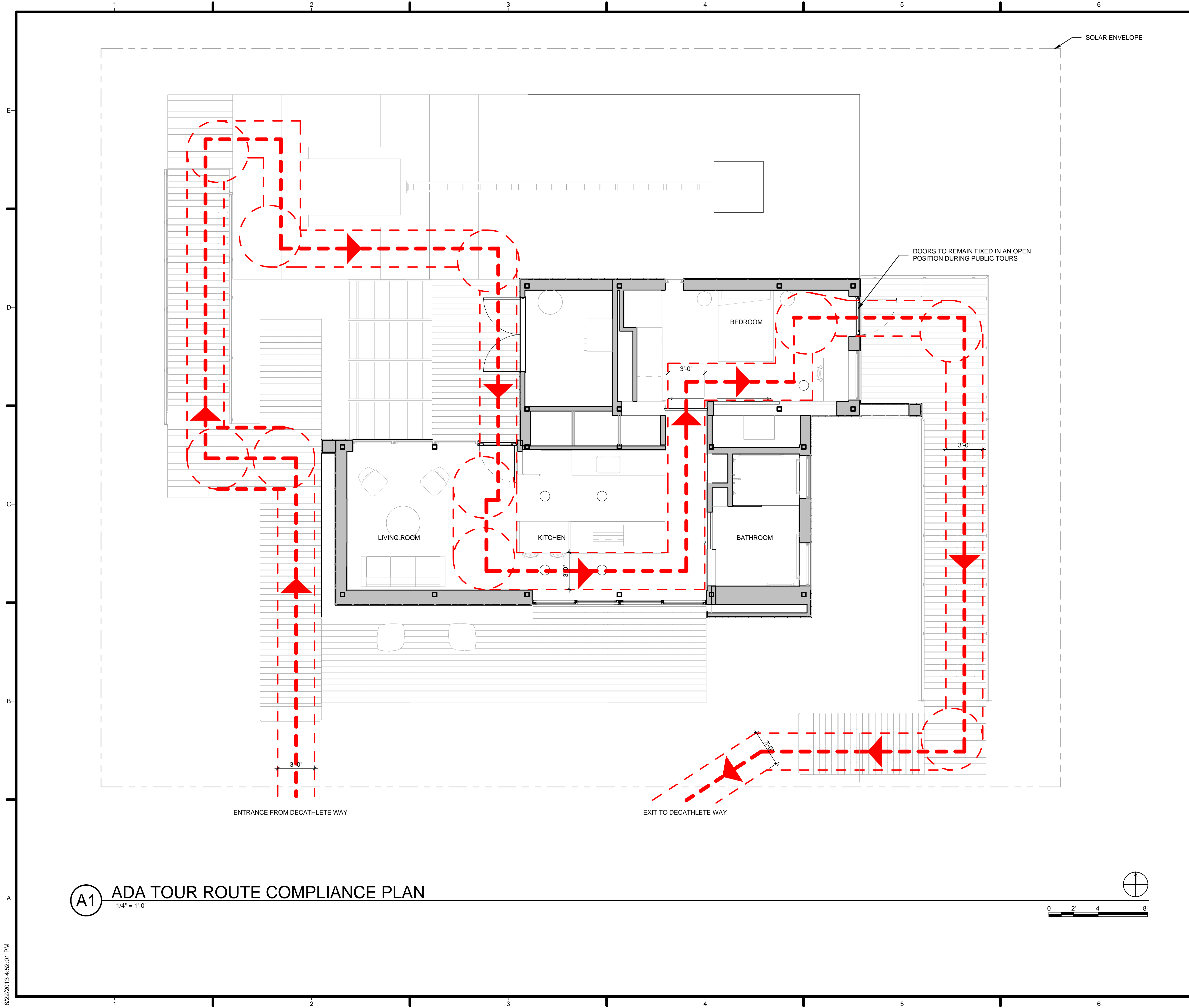
SHEET TITLE
**EMERGENCY EGRESS
 PLAN**

G-102

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



8/22/2013 4:51:46 PM




GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

- 19 DOORS TO REMAIN FIXED IN AN OPEN POSITION DURING PUBLIC TOURS
- 21 SOLAR ENVELOPE



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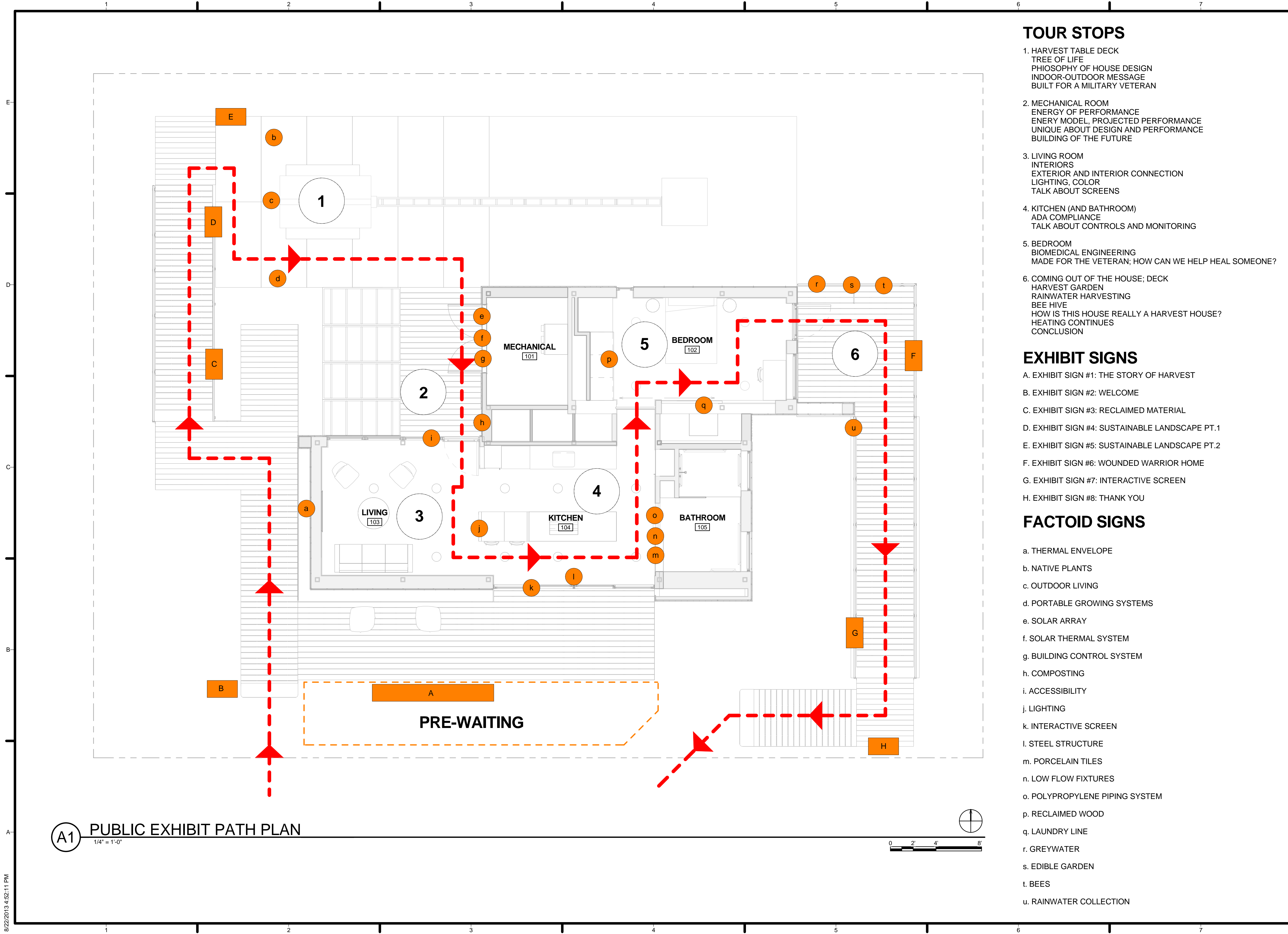
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SHEET TITLE
ADA TOUR ROUTE COMPLIANCE PLAN

G-103

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

8/22/2013 4:52:01 PM



TOUR STOPS

1. HARVEST TABLE DECK
TREE OF LIFE
PHILOSOPHY OF HOUSE DESIGN
INDOOR-OUTDOOR MESSAGE
BUILT FOR A MILITARY VETERAN
2. MECHANICAL ROOM
ENERGY OF PERFORMANCE
ENERGY MODEL, PROJECTED PERFORMANCE
UNIQUE ABOUT DESIGN AND PERFORMANCE
BUILDING OF THE FUTURE
3. LIVING ROOM
INTERIORS
EXTERIOR AND INTERIOR CONNECTION
LIGHTING, COLOR
TALK ABOUT SCREENS
4. KITCHEN (AND BATHROOM)
ADA COMPLIANCE
TALK ABOUT CONTROLS AND MONITORING
5. BEDROOM
BIOMEDICAL ENGINEERING
MADE FOR THE VETERAN; HOW CAN WE HELP HEAL SOMEONE?
6. COMING OUT OF THE HOUSE; DECK
HARVEST GARDEN
RAINWATER HARVESTING
BEE HIVE
HOW IS THIS HOUSE REALLY A HARVEST HOUSE?
HEATING CONTINUUES
CONCLUSION

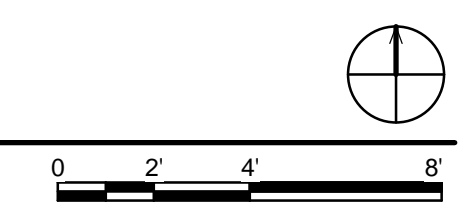
EXHIBIT SIGNS

- A. EXHIBIT SIGN #1: THE STORY OF HARVEST
- B. EXHIBIT SIGN #2: WELCOME
- C. EXHIBIT SIGN #3: RECLAIMED MATERIAL
- D. EXHIBIT SIGN #4: SUSTAINABLE LANDSCAPE PT.1
- E. EXHIBIT SIGN #5: SUSTAINABLE LANDSCAPE PT.2
- F. EXHIBIT SIGN #6: WOUNDED WARRIOR HOME
- G. EXHIBIT SIGN #7: INTERACTIVE SCREEN
- H. EXHIBIT SIGN #8: THANK YOU

FACTOID SIGNS

- a. THERMAL ENVELOPE
- b. NATIVE PLANTS
- c. OUTDOOR LIVING
- d. PORTABLE GROWING SYSTEMS
- e. SOLAR ARRAY
- f. SOLAR THERMAL SYSTEM
- g. BUILDING CONTROL SYSTEM
- h. COMPOSTING
- i. ACCESSIBILITY
- j. LIGHTING
- k. INTERACTIVE SCREEN
- l. STEEL STRUCTURE
- m. PORCELAIN TILES
- n. LOW FLOW FIXTURES
- o. POLYPROPYLENE PIPING SYSTEM
- p. RECLAIMED WOOD
- q. LAUNDRY LINE
- r. GREYWATER
- s. EDIBLE GARDEN
- t. BEES
- u. RAINWATER COLLECTION

A1 PUBLIC EXHIBIT PATH PLAN
1/4" = 1'-0"



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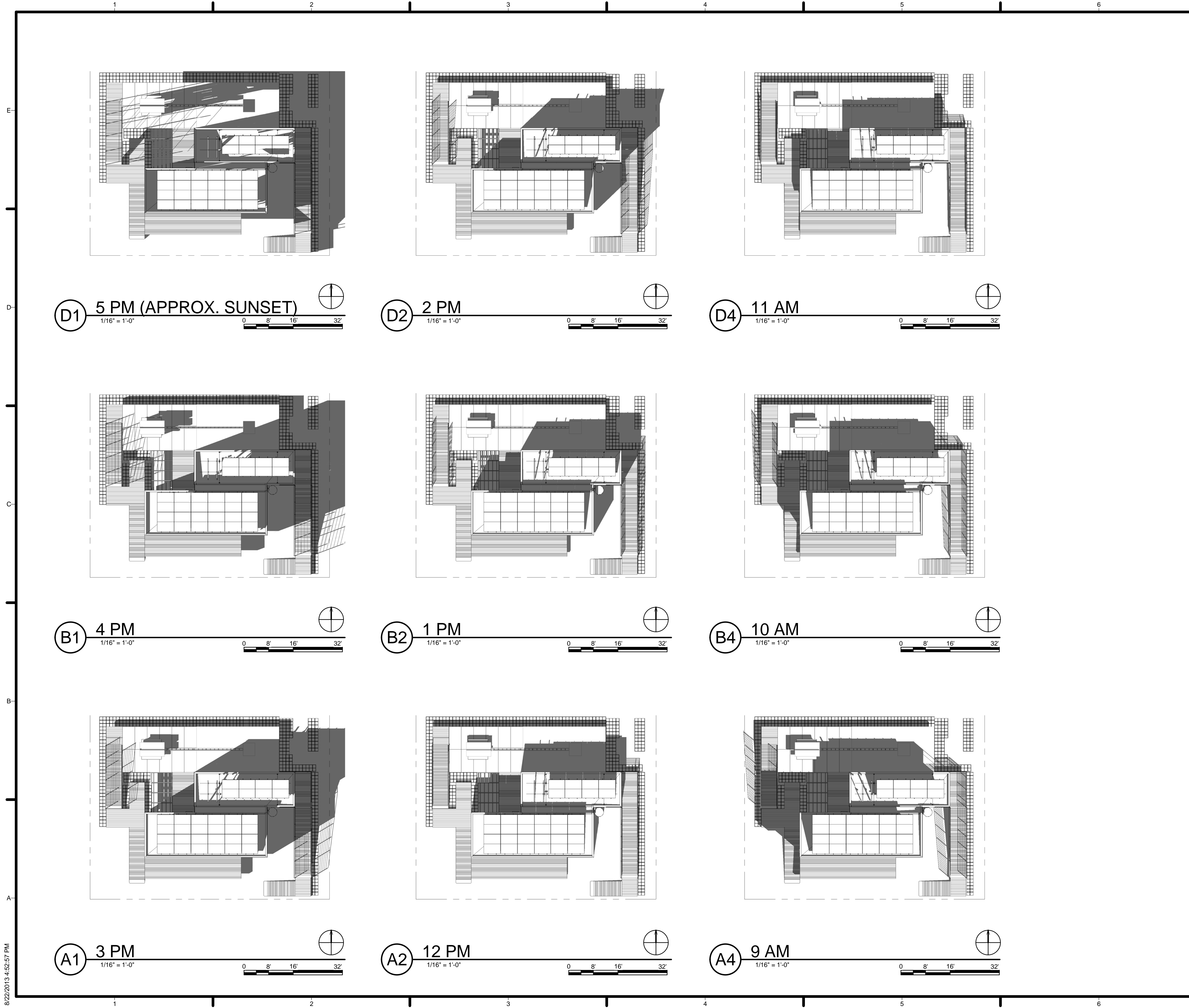
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SHEET TITLE
PUBLIC EXHIBIT PLAN

G-104

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GENERAL SHEET NOTES

1. ALL SUPPLY LIQUID STORAGE TO BE LOCATED BENEATH DECKING AS REQUIRED BY RULE 9-01

REFERENCE KEYNOTES

SHEET KEYNOTES



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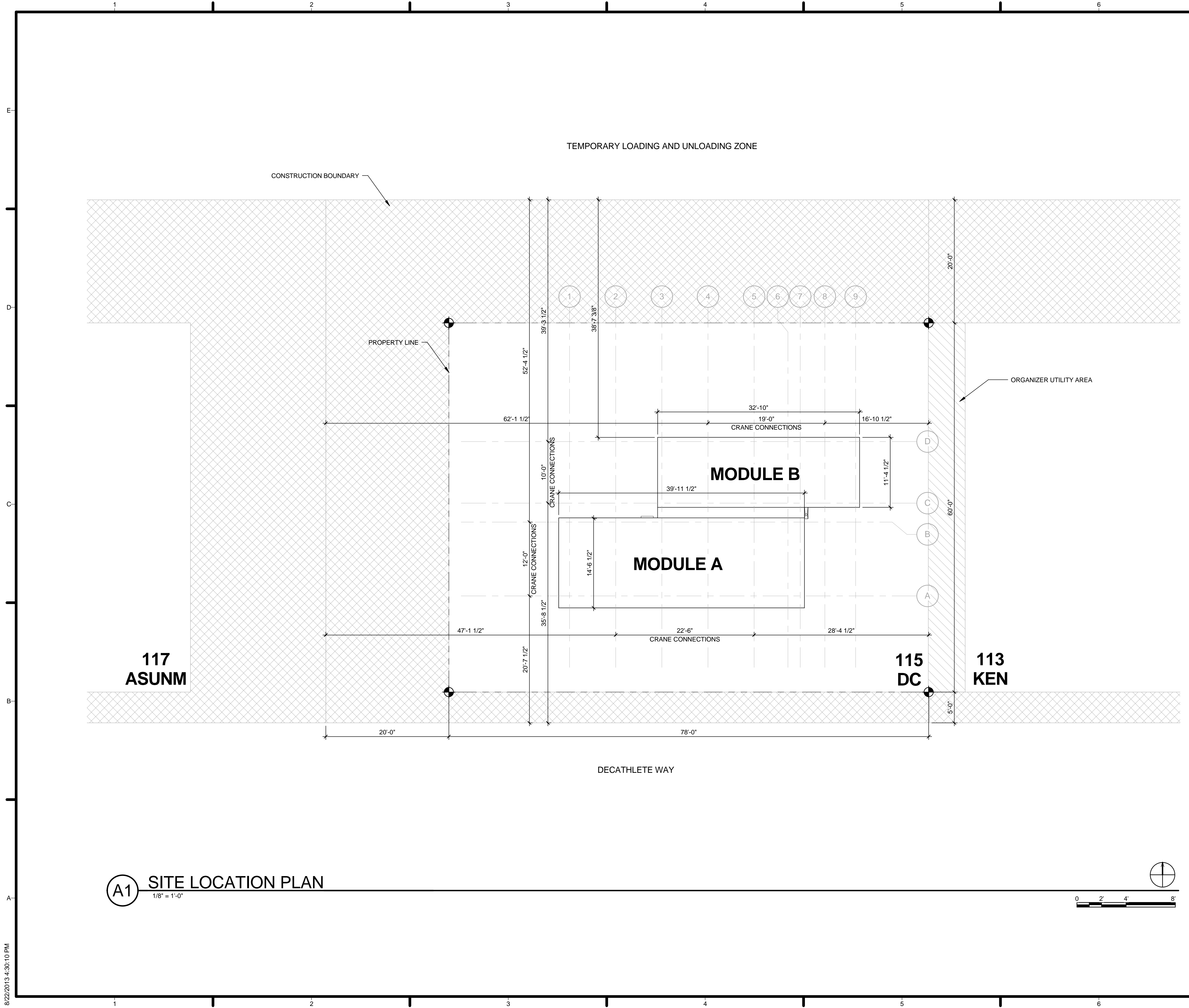


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SHEET TITLE
SHADING DIAGRAMS

G-901

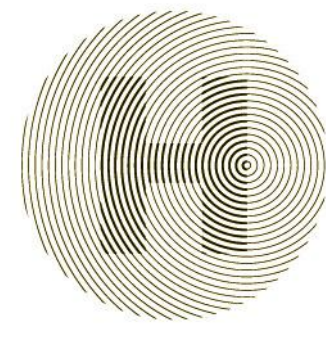


GENERAL SHEET NOTES

1. SITE INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. THE ORGANIZERS ARE TO PROVIDE LIMITS OF LOT AND ACCESS TO THE ORANGE COUNTY GREAT PARK PRIOR TO CONSTRUCTION.

REFERENCE KEYNOTES

SHEET KEYNOTES



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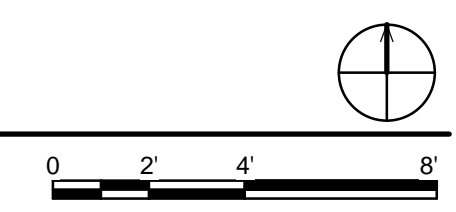
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4	2013.08.22	As-Built Submission
3	2013.02.04	100% CD Submission
2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

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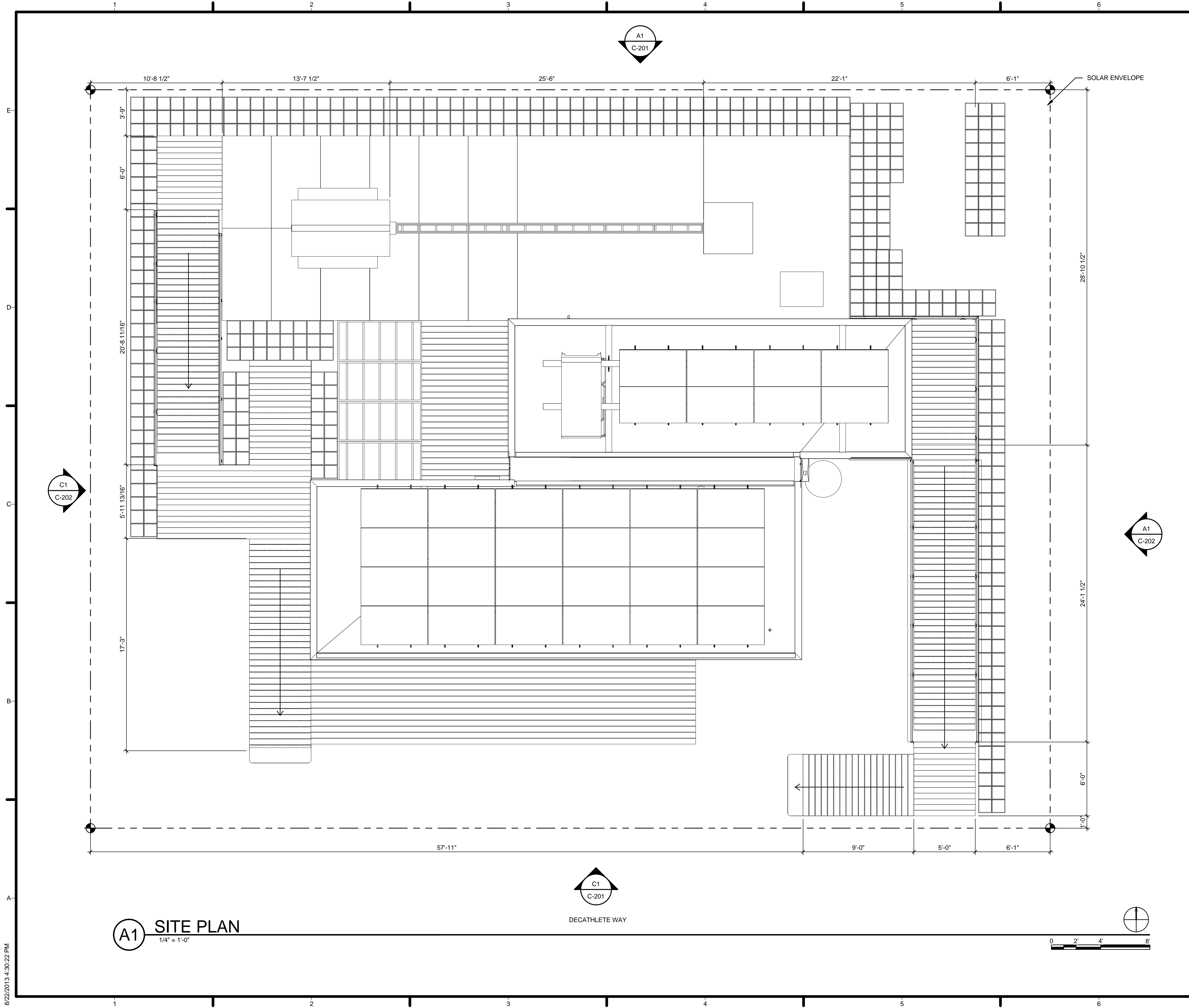
SHEET TITLE
SITE LOCATION PLAN

C-101

A1 SITE LOCATION PLAN
1/8" = 1'-0"



8/22/2013 4:30:10 PM




GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES

21 SOLAR ENVELOPE



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SOLAR DECATHLON

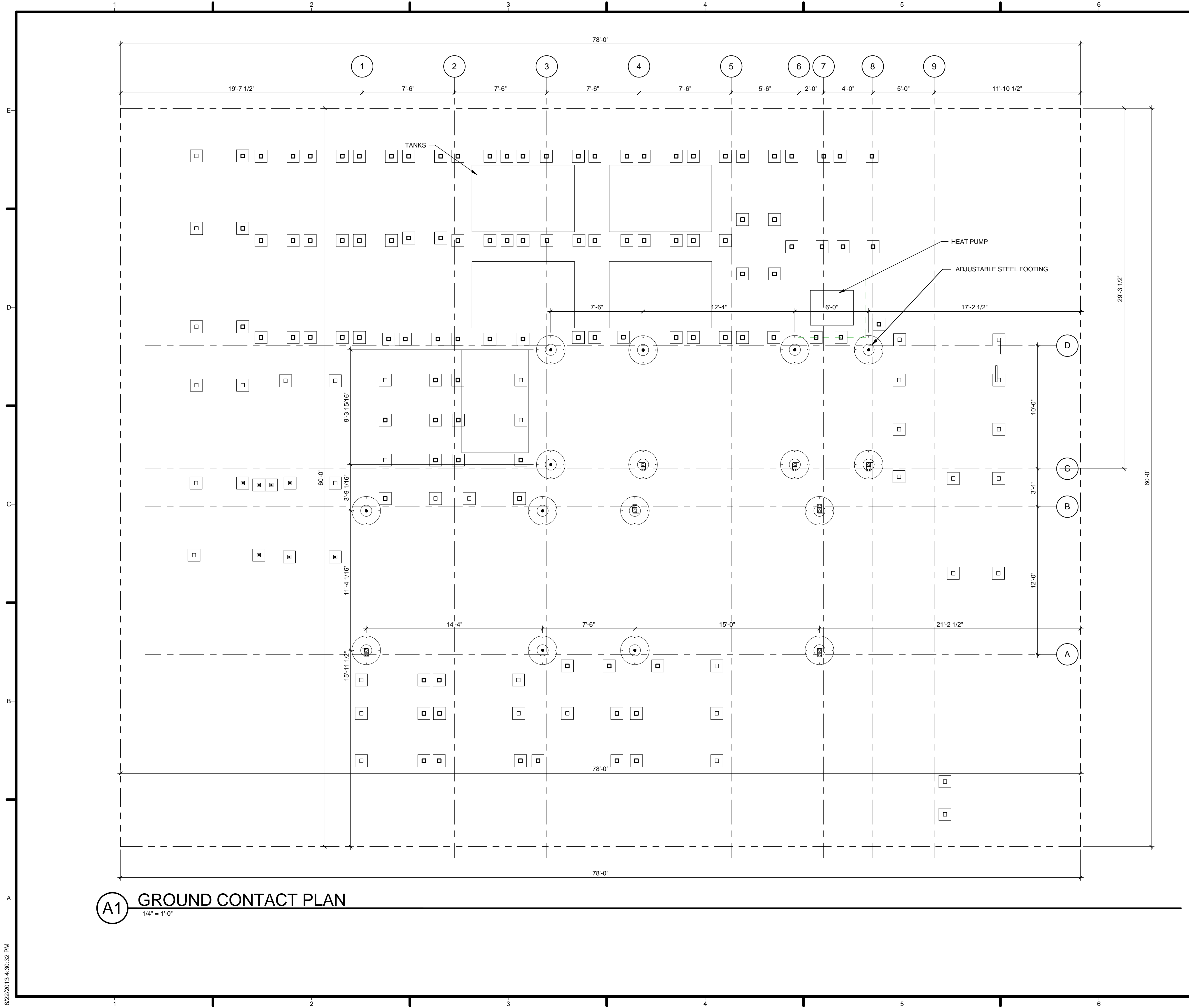
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SHEET TITLE
SITE PLAN

C-102

8/22/2013 4:30:22 PM




GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

05.12.23.E1 ADJUSTABLE STEEL FOOTING

SHEET KEYNOTES



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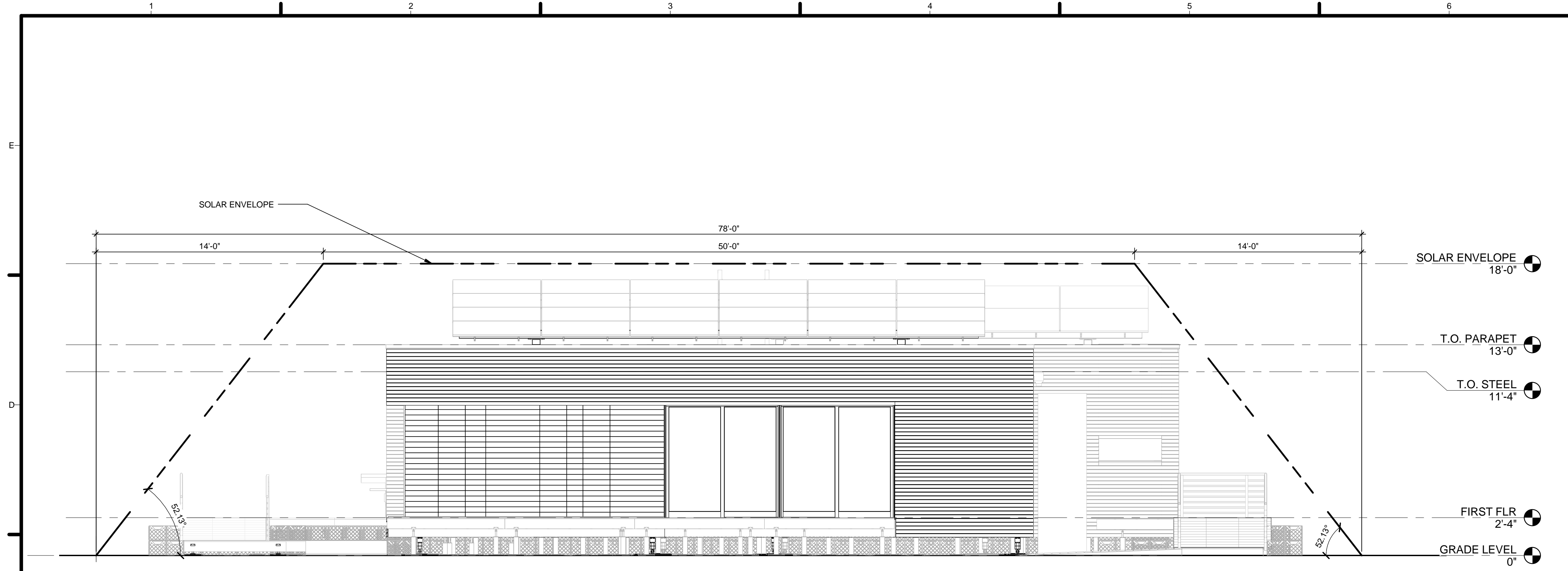
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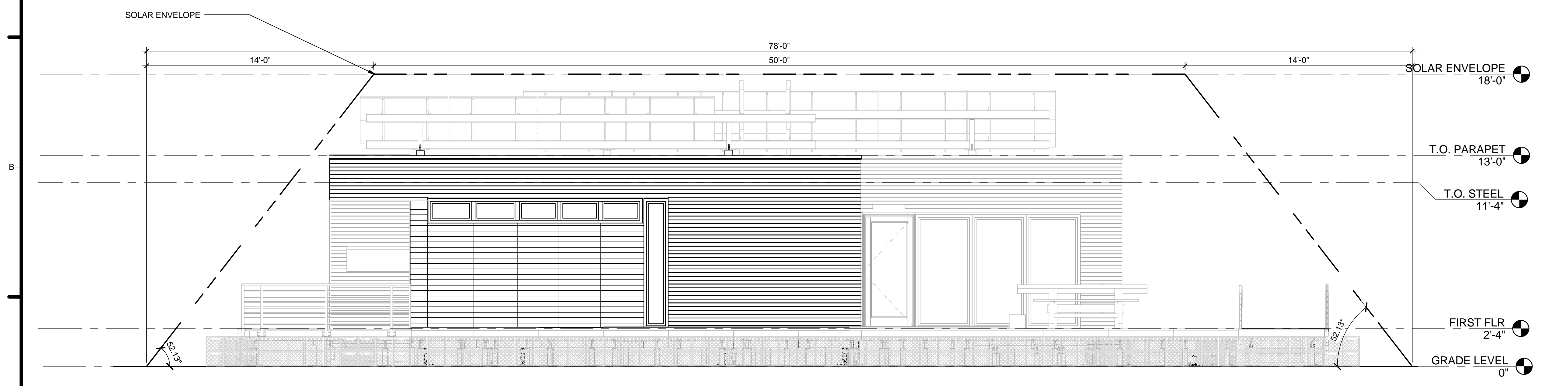
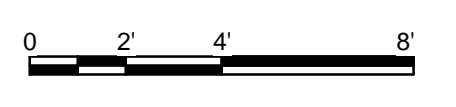
SHEET TITLE
GROUND CONTACT PLAN

C-103

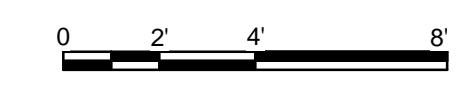
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C1 SOUTH - SITE COMPLIANCE ELEVATION
1/4" = 1'-0"



A1 NORTH - SITE COMPLIANCE ELEVATION
1/4" = 1'-0"



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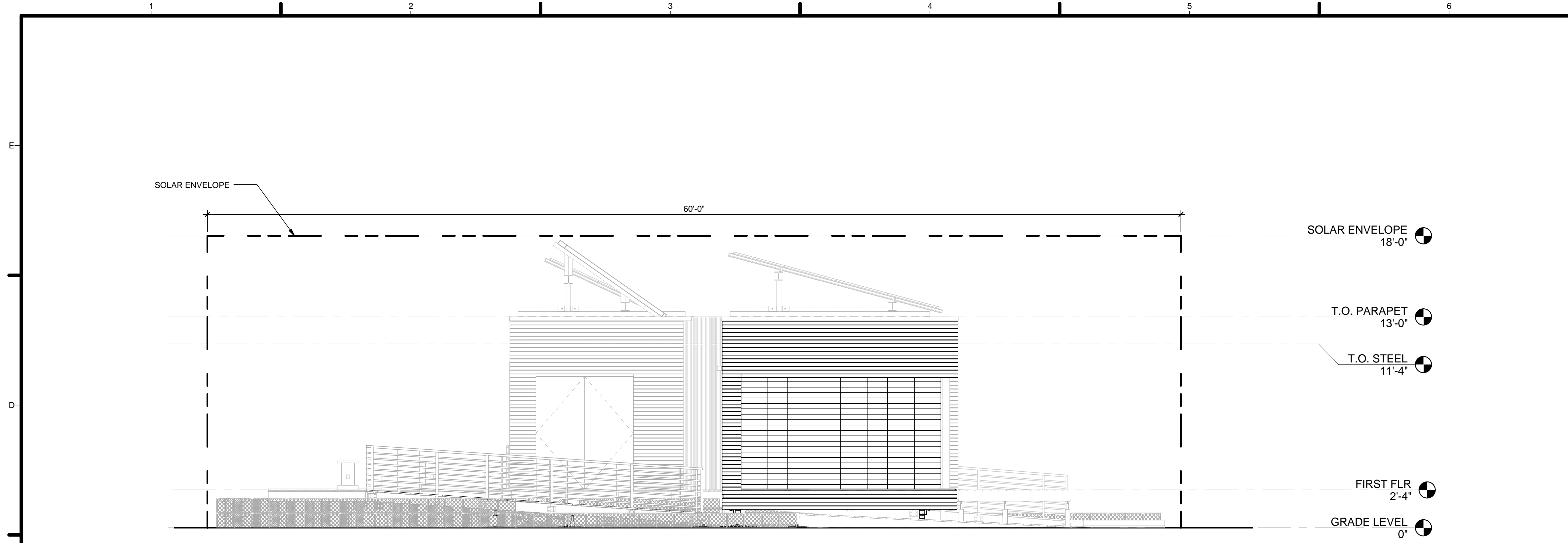


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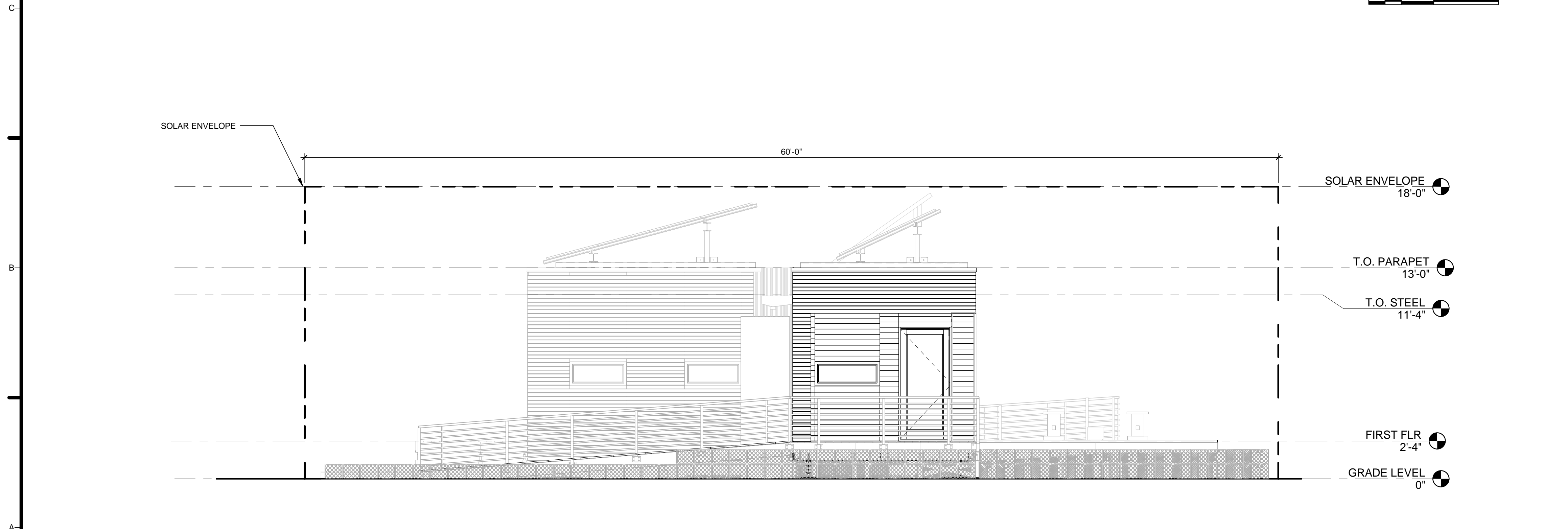
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SHEET TITLE
SOLAR ENVELOPE COMPLIANCE ELEVATIONS

C-201



C1 WEST - SITE COMPLIANCE ELEVATION
 1/4" = 1'-0"



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

GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

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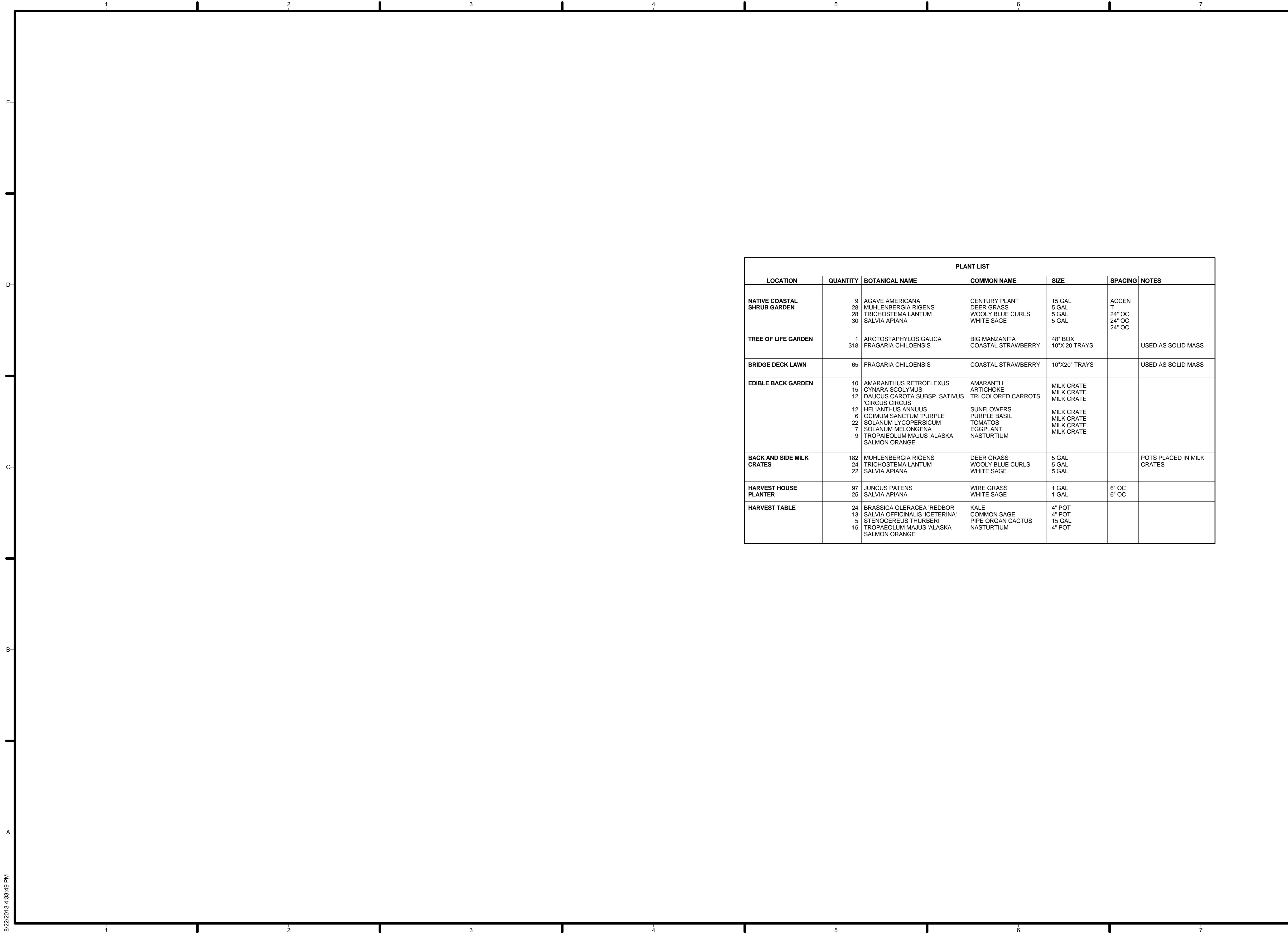


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SHEET TITLE
**SOLAR ENVELOPE
 COMPLIANCE
 ELEVATIONS**

C-202



PLANT LIST						
LOCATION	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES
NATIVE COASTAL SHRUB GARDEN	9	AGAVE AMERICANA	CENTURY PLANT	15 GAL	ACCENT	
	28	MUHLENBERGIA RIGENS	DEER GRASS	5 GAL		
	28	TRICHOSTEMA LANTUM	WOOLY BLUE CURLS	5 GAL		
	30	SALVIA APIANA	WHITE SAGE	5 GAL		
TREE OF LIFE GARDEN	1	ARCTOSTAPHYLOS GAUCA	BIG MANZANITA	48" BOX		USED AS SOLID MASS
	318	FRAGARIA CHILOENSIS	COASTAL STRAWBERRY	10"X 20 TRAYS		
BRIDGE DECK LAWN	65	FRAGARIA CHILOENSIS	COASTAL STRAWBERRY	10"X20" TRAYS		USED AS SOLID MASS
EDIBLE BACK GARDEN	10	AMARANTHUS RETROFLEXUS	AMARANTH	MILK CRATE		
	15	CYNARA SCOLYMUS	ARTICHOKE	MILK CRATE		
	12	DAUCUS CAROTA SUBSP. SATIVUS	TRI COLORED CARROTS	MILK CRATE		
	12	CIRCUS CIRCUS		MILK CRATE		
	12	HELIANTHUS ANNUUS	SUNFLOWERS	MILK CRATE		
	6	OCIMUM SANCTUM 'PURPLE'	PURPLE BASIL	MILK CRATE		
	22	SOLANUM LYCOPERSICUM	TOMATOS	MILK CRATE		
	7	SOLANUM MELONGENA	EGGPLANT	MILK CRATE		
	9	TROPAEOLUM MAJUS 'ALASKA SALMON ORANGE'	NASTURTIUM	MILK CRATE		
BACK AND SIDE MILK CRATES	182	MUHLENBERGIA RIGENS	DEER GRASS	5 GAL		POTS PLACED IN MILK CRATES
	24	TRICHOSTEMA LANTUM	WOOLY BLUE CURLS	5 GAL		
	22	SALVIA APIANA	WHITE SAGE	5 GAL		
HARVEST HOUSE PLANTER	97	JUNCUS PATENS	WIRE GRASS	1 GAL	6" OC	
	25	SALVIA APIANA	WHITE SAGE	1 GAL		
HARVEST TABLE	24	BRASSICA OLERACEA 'REDBOR'	KALE	4" POT		
	13	SALVIA OFFICINALIS 'ICETERINA'	COMMON SAGE	4" POT		
	5	STENOCEEREUS THURBERI	PIPE ORGAN CACTUS	15 GAL		
	15	TROPAEOLUM MAJUS 'ALASKA SALMON ORANGE'	NASTURTIUM	4" POT		



HARVEST | TEAM CAPITOL DC

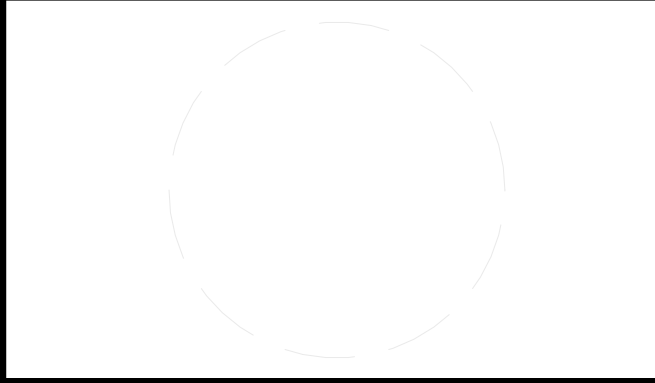
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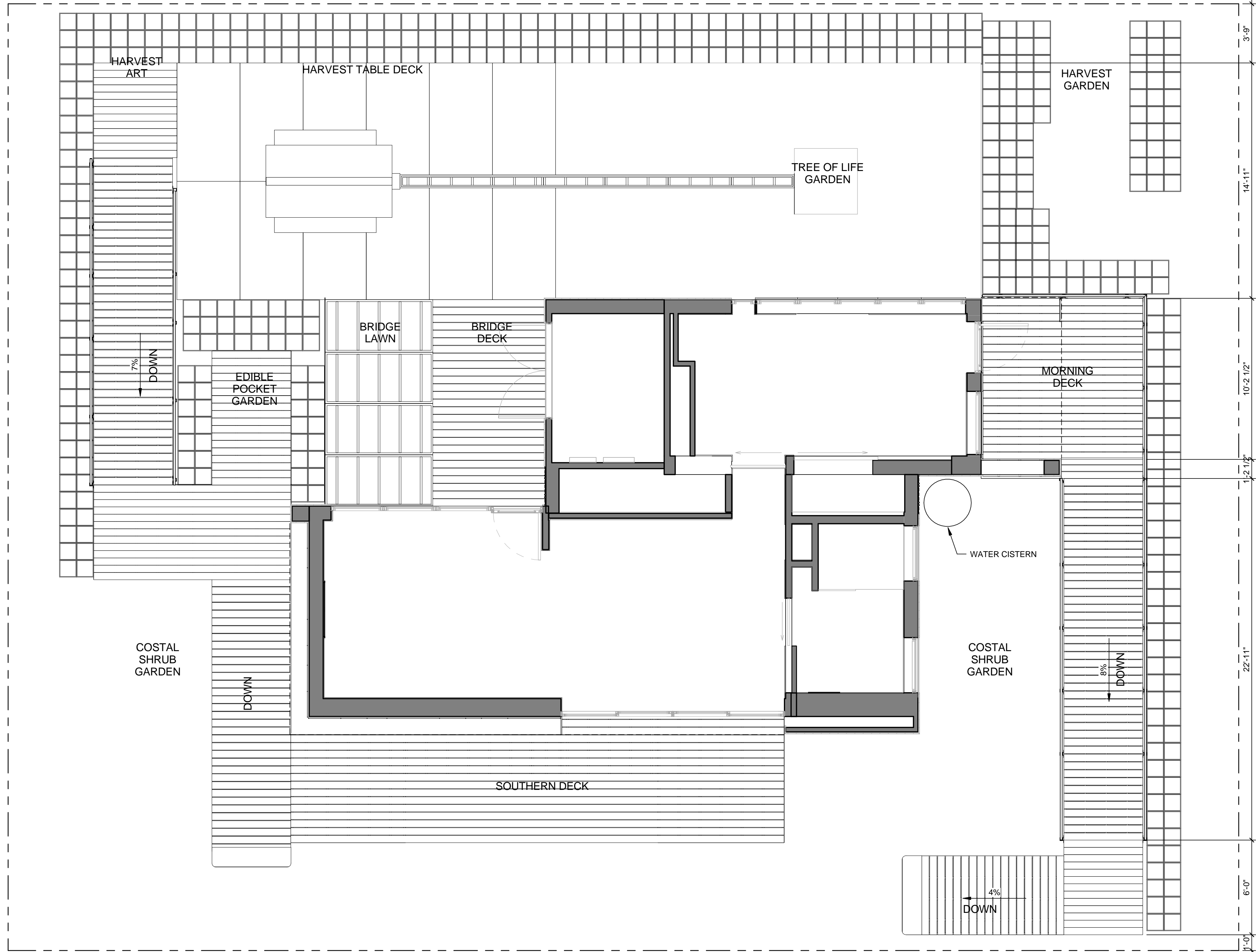
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SHEET TITLE

**LANDSCAPE NOTES,
SYMBOLS AND
SCHEDULES**

L-001

C1
L-201



GENERAL SHEET NOTES

1. NO SUBSTITUTIONS SHALL BE MADE WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT.
2. PLANTS TO BE ARRANGED ON SITE BY LANDSCAPE ARCHITECT.
3. MILK GRATE SOIL TO BE A MIX OF 40% SAND, 30% PEAT MOSS, 20% PUMMICE AND 10% PERLITE.

REFERENCE KEYNOTES

SHEET KEYNOTES



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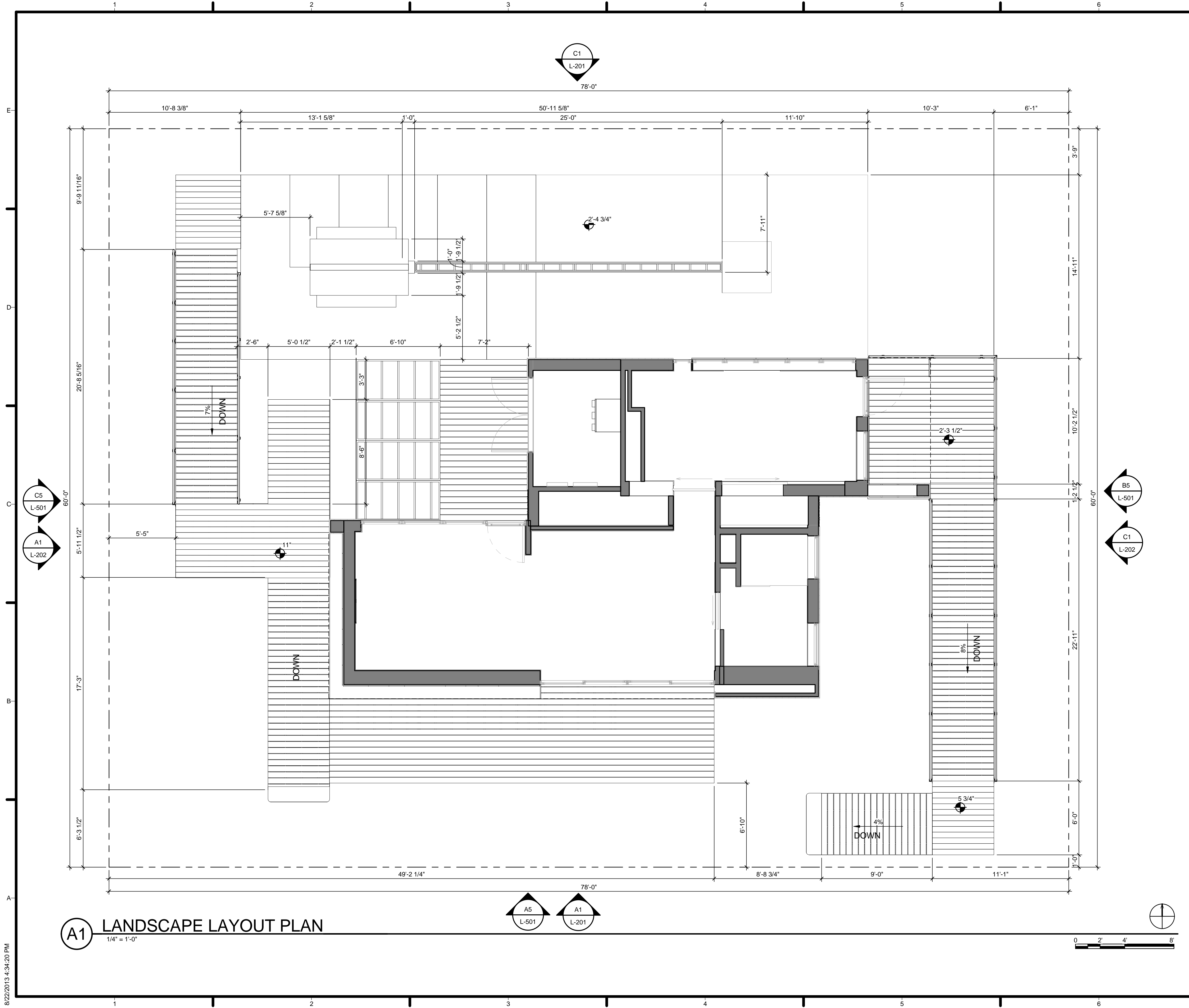
SHEET TITLE
 LANDSCAPE MASTER PLAN

L-101

A1 LANDSCAPE MASTER PLAN
 1/4" = 1'-0"



8/22/2013 4:34:05 PM

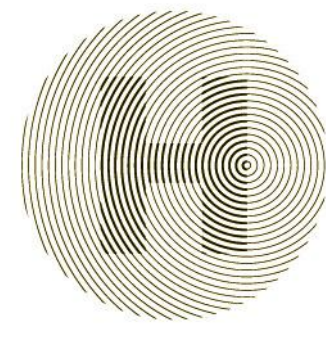


GENERAL SHEET NOTES

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2. PLANTS TO BE ARRANGED ON SITE BY LANDSCAPE ARCHITECT.
3. MILK GRATE SOIL TO BE A MIX OF 40% SAND, 30% PEAT MOSS, 20% PUMMICE AND 10% PERLITE.

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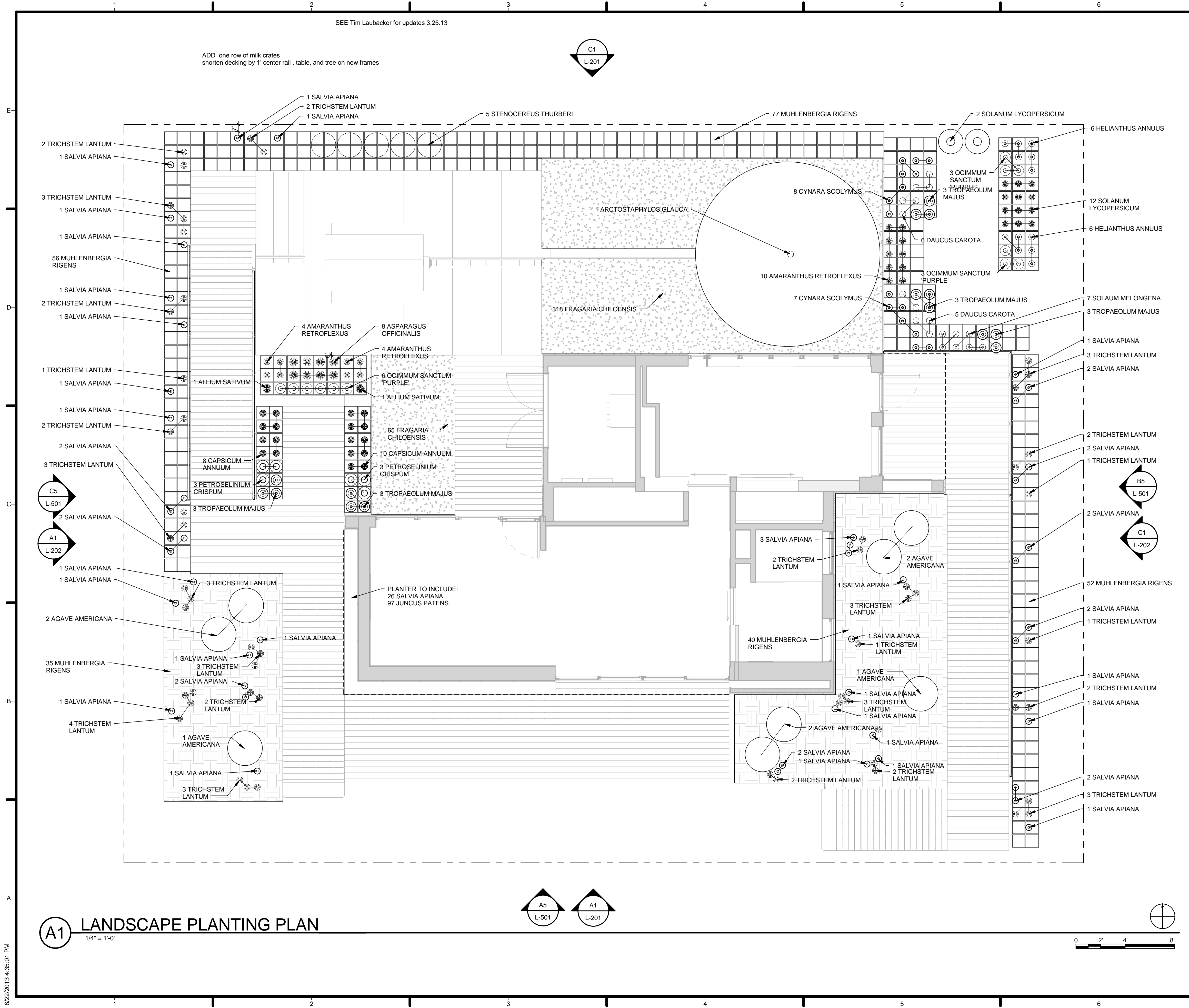
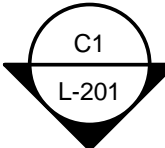
SHEET TITLE
LANDSCAPE DECKING LAYOUT PLAN

L-102

8/22/2013 4:34:20 PM

SEE Tim Laubacker for updates 3.25.13

ADD one row of milk crates
shorten decking by 1' center rail, table, and tree on new frames



GENERAL SHEET NOTES

1. NO SUBSTITUTIONS SHALL BE MADE WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT.
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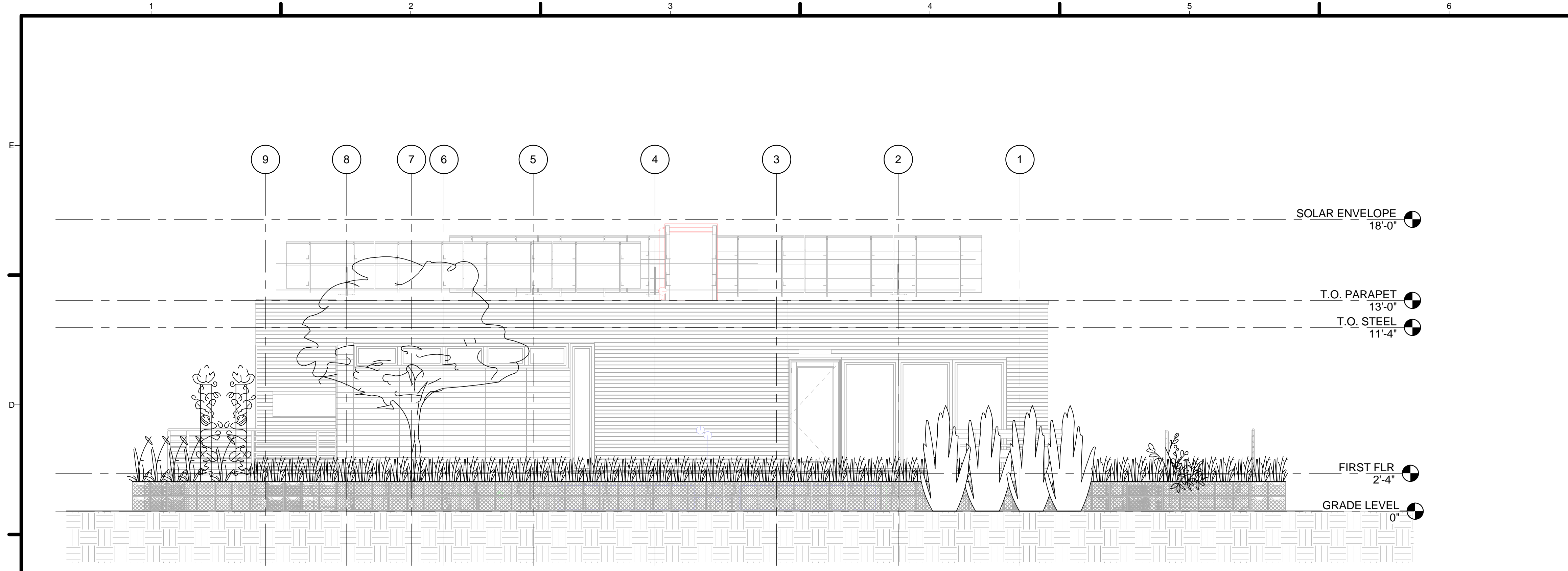
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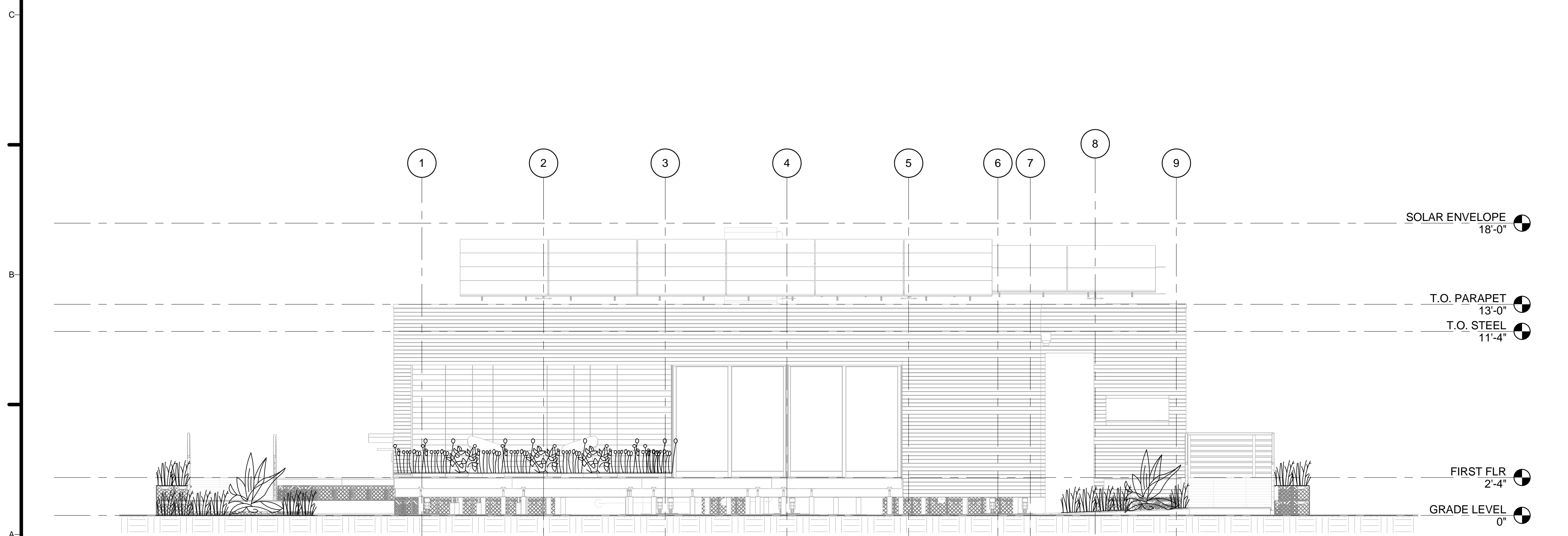
SHEET TITLE
LANDSCAPE PLANTING PLAN

L-103

8/22/2013 4:35:01 PM



C1 NORTH ELEVATION
1/4" = 1'-0"



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

GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
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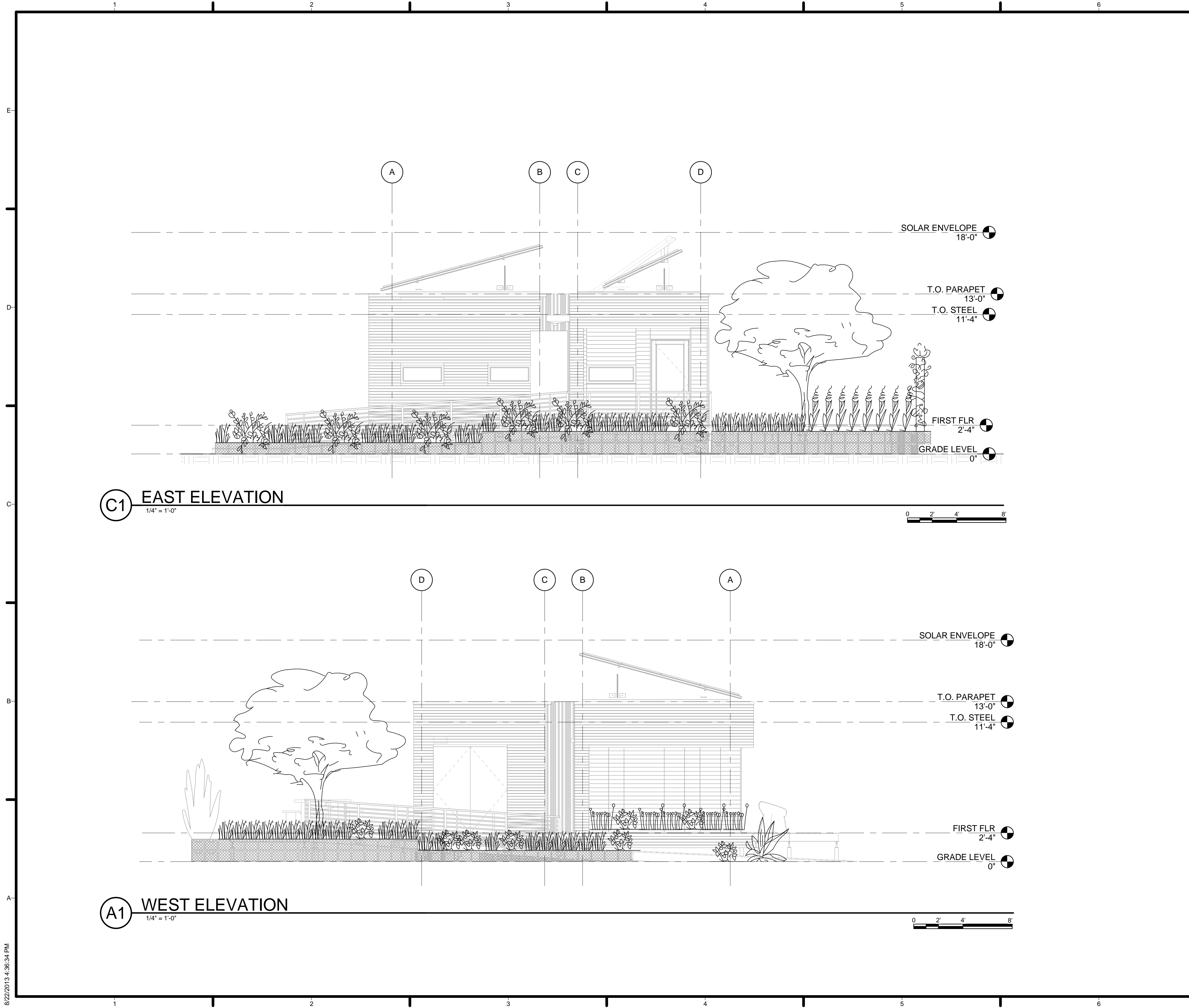


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SHEET TITLE
LANDSCAPE ELEVATIONS

L-201



C1 EAST ELEVATION
1/4" = 1'-0"

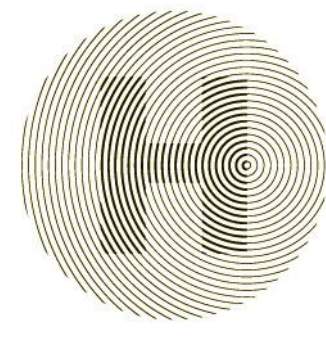
A1 WEST ELEVATION
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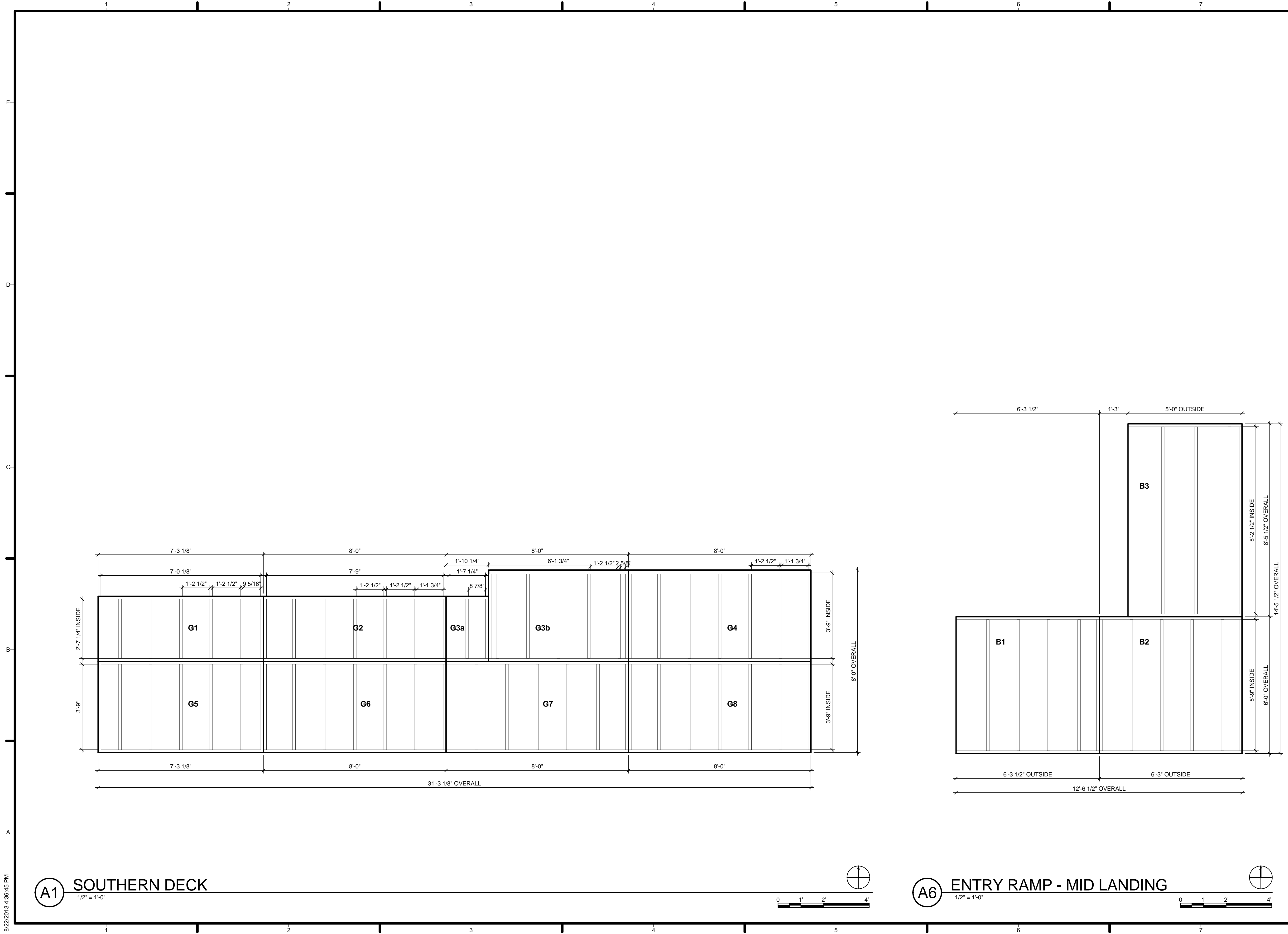
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SHEET TITLE
LANDSCAPE ELEVATIONS

L-202



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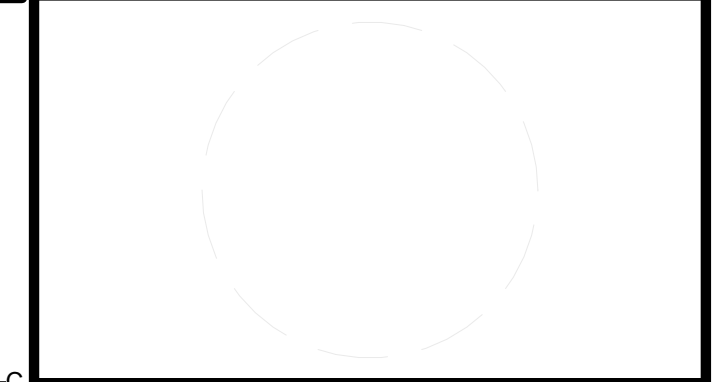
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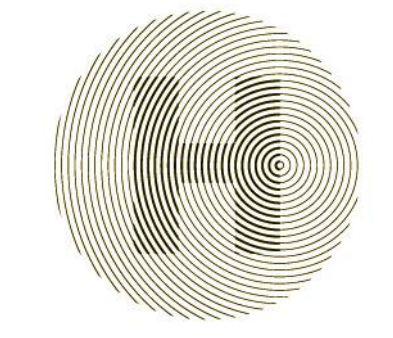
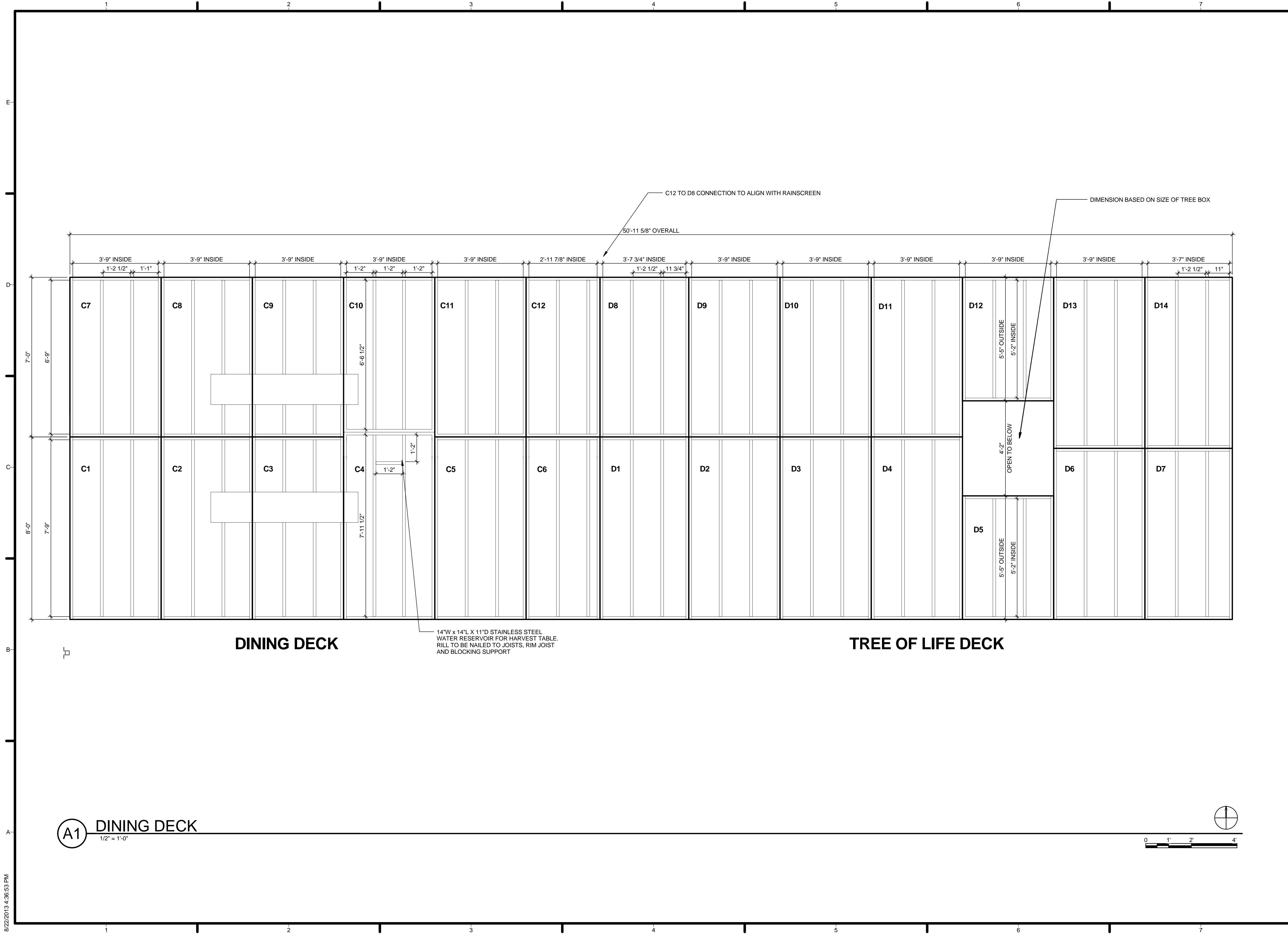
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ENLARGED SOUTHERN DECK

L-301

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A1 SOUTHERN DECK
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A6 ENTRY RAMP - MID LANDING
 1/2" = 1'-0"



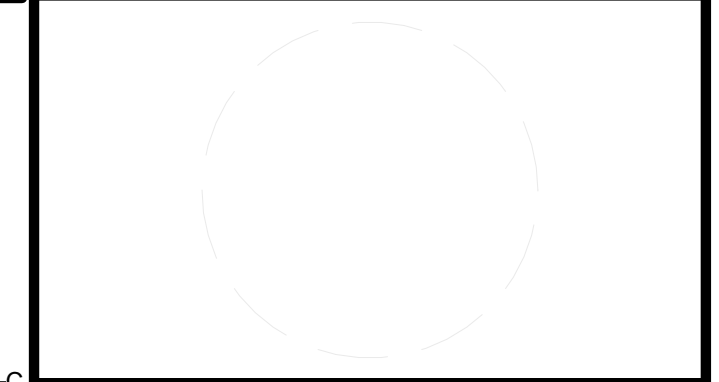
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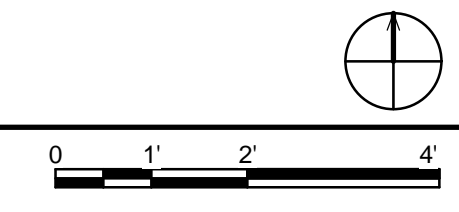
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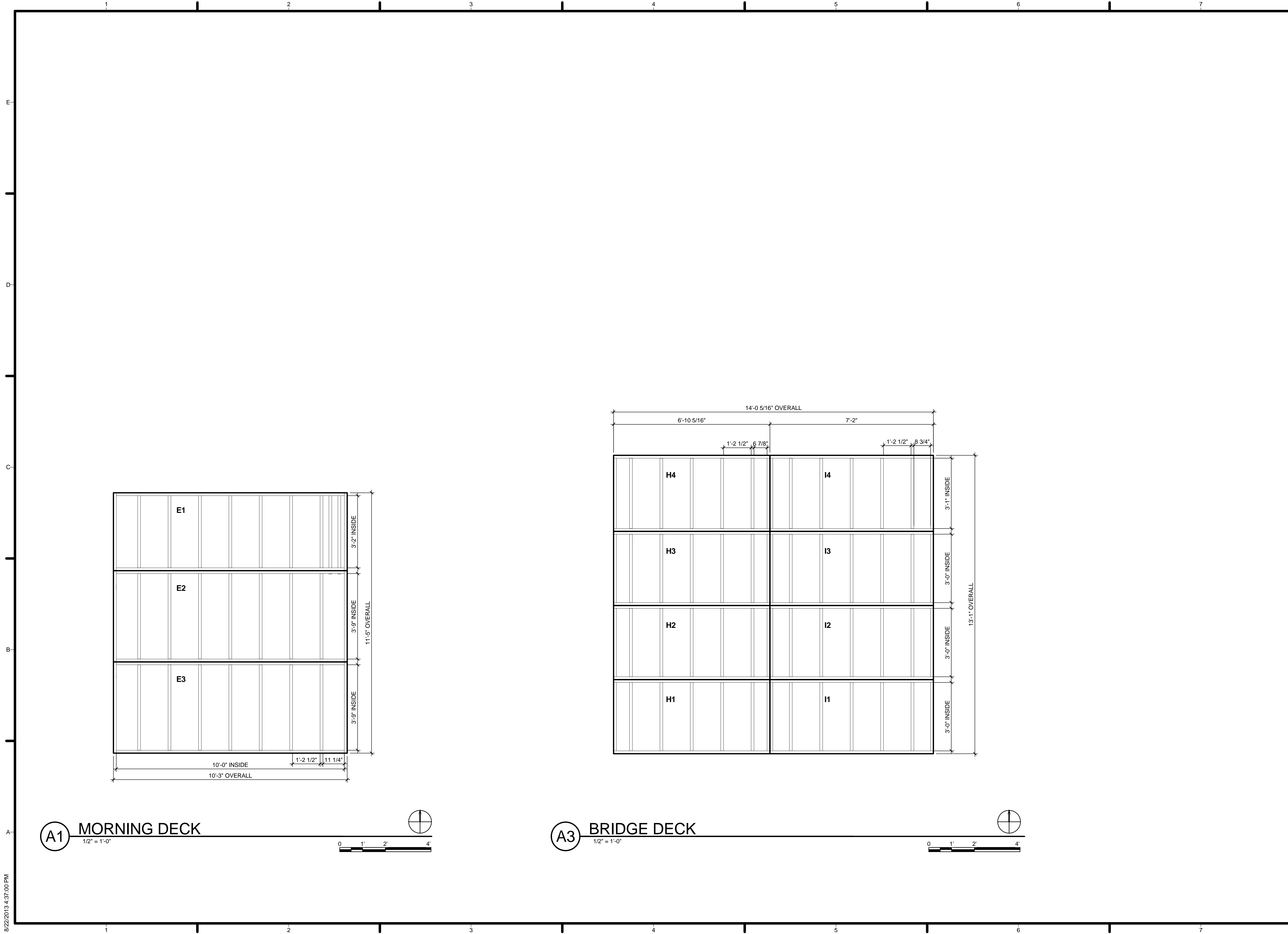
SHEET TITLE
ENLARGED DINING DECK

L-302

A1 DINING DECK
 1/2" = 1'-0"



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STRUCTURAL ENGINEER

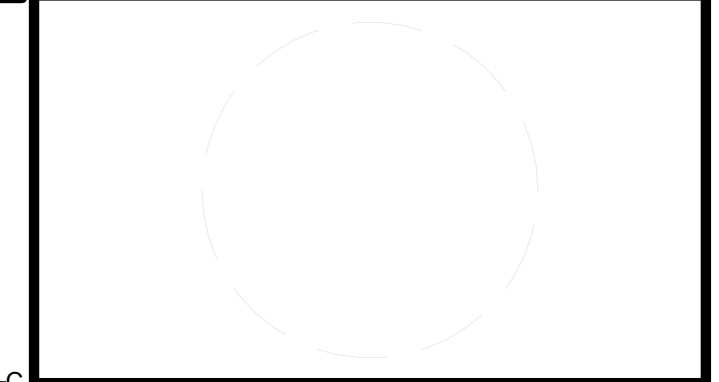
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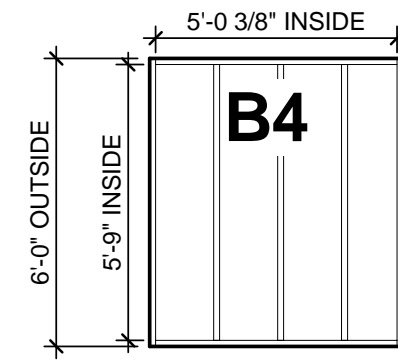
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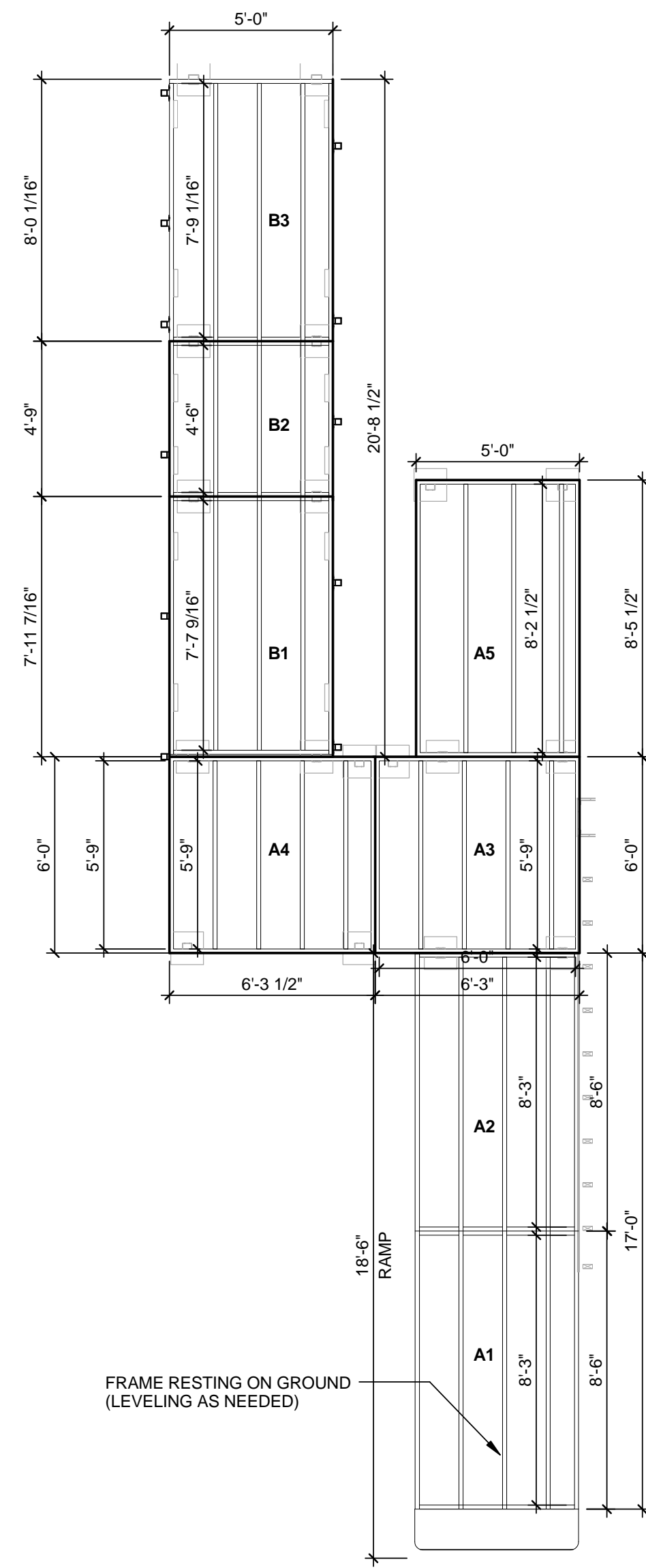
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ENLARGED MORNING DECK

L-303

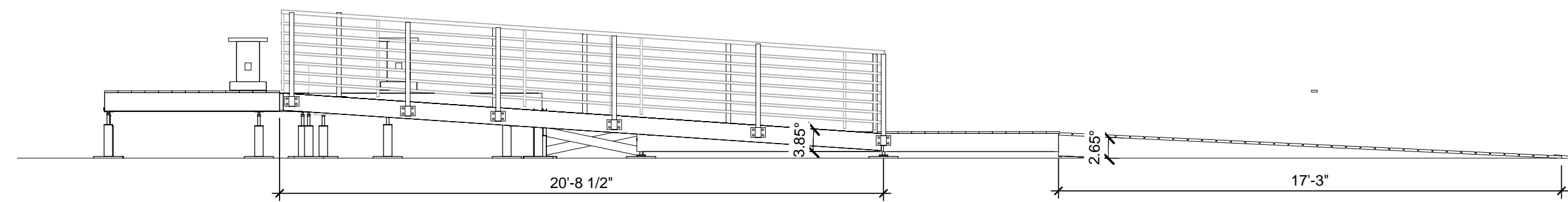
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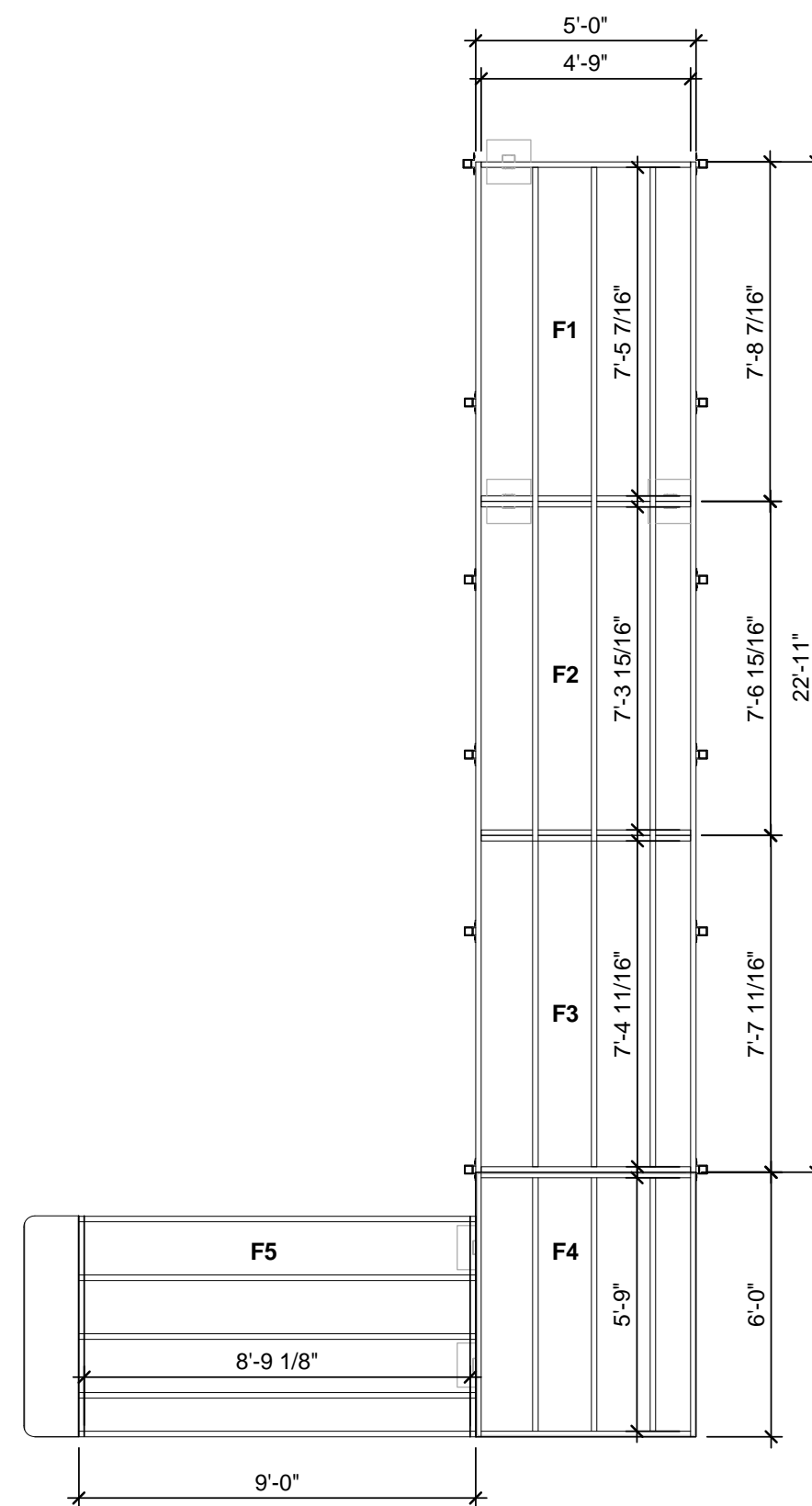
D1 ENTRY RAMP - TOP LANDING
1/4" = 1'-0"



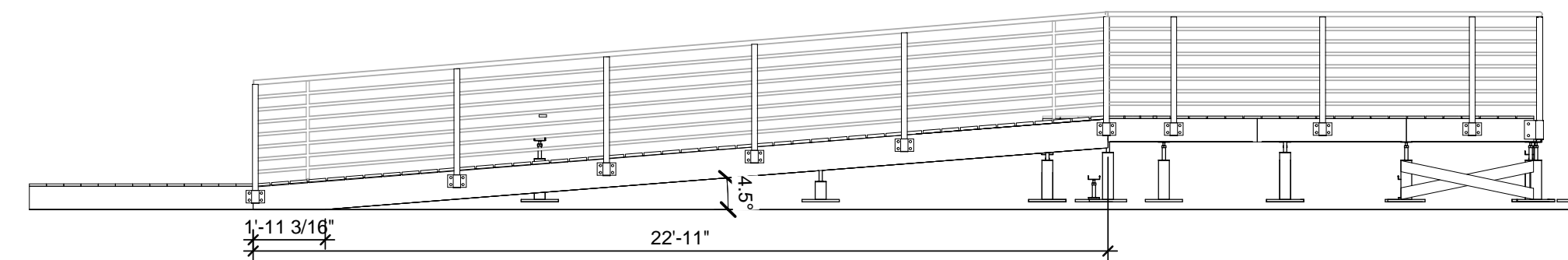
A1 ENTRANCE RAMP PLAN
1/4" = 1'-0"



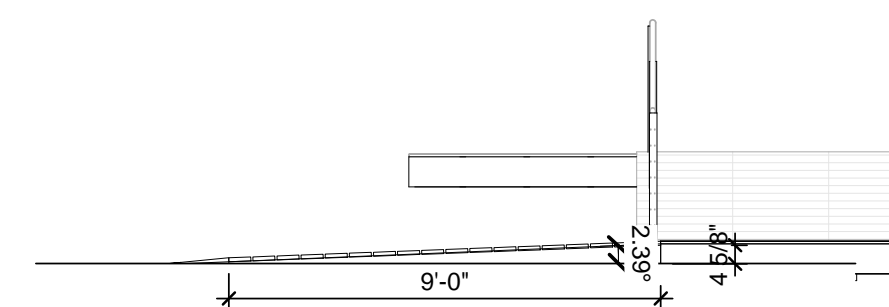
C5 WEST ELEVATION
1/4" = 1'-0"



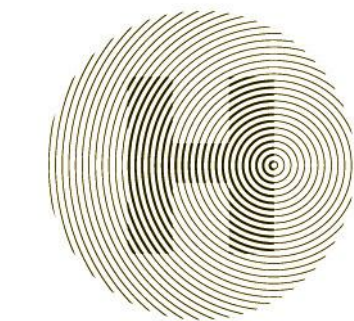
A3 EXIT RAMP PLAN
1/4" = 1'-0"



B5 EAST ELEVATION
1/4" = 1'-0"



A5 SOUTH ELEVATION
1/4" = 1'-0"



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SHEET TITLE

RAMP DETAILS

L-501

SYMBOLS	
SYMBOL	DESCRIPTION
[...]	CAMBER
<--->	NUMBER OF STUDS
(...)	BOTTOM OF FOOTING ELEVATION
C	CAMBER IN INCHES
— —	STEEL BEAM
— /—	STEEL JOIST
— —	BRACE
— — —	MOMENT CONNECTION
I	WATERSTOP
	WALL
— — —	BEAM PENETRATION
⊕	SETTING-OUT POINT
	GROUND

ABBREVIATIONS	
SYMBOL	DESCRIPTION
ALT	ALTERNATE
BET	BETWEEN
BF	BOTH FACES
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
BPL	BASE PLATE
BS	BOTH SIDES
B/ST	BOTTOM OF STEEL
C	CHANNEL
CANT	CANTILEVER
CJ	CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION (WELD)
CL	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPL	COVERPLATE
CTRL JT	CONTROL JOINT
D	DEPTH, DEEP
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DO	DITTO
DWG	DRAWING
E	MODULUS OF ELASTICITY
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
EMB	EMBEDMENT
EQ	EQUAL
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FF	FAR FACE
FFL	FINISH FLOOR LEVEL
FDN	FOUNDATION
FIN	FINISHED
FL	FLOOR
FS	FAR SIDE
FT	FEET
FTG	FOOTING
FY	YIELD STRESS
GA	GAUGE
GALV	GALVANISED
GR	GRADE
H	HORIZONTAL (FORCE)
HEX	HEXAGON, HEXAGONAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HSB	HIGH-STRENGTH BOLT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INT	INTERIOR
JT	JOINT
K	KIP = 1000 LBS
KSF	KIPS PER SQUARE FOOT

ABBREVIATIONS	
SYMBOL	DESCRIPTION
L	LENGTH
LB	POUND
LG	LONG
LIN	LINEAR OR LINEAL
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LSL	LONG SLOTTED (BOLT HOLE)
LT	LIGHT
LW	LIGHT WEIGHT
M	MOMENT
NF	NEAR FACE
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OVS	OVERSIZE (BOLT HOLE)
P	STRUCTURAL STEEL PIPE (STANDARD)
PCF	POUNDS PER CUBIC FOOT
PERP	PERPENDICULAR
PL	PLATE
PP	PARTIAL PENETRATION (WELD)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
R	RADIUS
REBAR	REINFORCING BAR
REINF	REINFORCE(ING)
REV	REVISION
SIM	SIMILAR
SL	SLAB
SOG	SLAB ON GRADE
SQ FT	SQUARE FOOT
SQ IN	SQUARE INCH
SS	STAINLESS STEEL
SSL	SHORT SLOTTED (BOLT HOLE)
STD	STANDARD
STIFF	STIFFENER
ST	STEEL
STRUCT	STRUCTURAL
T&B	TOP & BOTTOM
THK	THICK
T/CONC	TOP OF CONCRETE
TOPG	TOPPING
T/SL	TOP OF SLAB
T/ST	TOP OF STEEL
TS	STRUCTURAL STEEL TUBE
T/WALL	TOP OF WALL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT. V	VERTICAL (FORCE)
VIF	VERIFY IN FIELD
W	WITH
W/O	WITHOUT
WP	WORK POINT
WWF	WELDED WIRE FABRIC
XS	EXTRA STRONG (PIPE)
XXS	DOUBLE EXTRA STRONG (PIPE)

CODES AND STANDARDS

1. WHERE DOCUMENTS ARE REFERENCED IN THE GENERAL AND DESIGN NOTES THEY SHALL BE THE LATEST EDITIONS, UNLESS OTHERWISE NOTED.

2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE SOLAR DECATHLON AND DISTRICT OF COLUMBIA BUILDING CODES, INCLUDING REFERENCE STANDARDS, ADDENDA AND APPENDICES.

3. IN ADDITION, THE FOLLOWING CODES, STANDARDS AND SPECIFICATIONS SHALL APPLY WHERE MORE STRINGENT AND AS MODIFIED BY THE BUILDING CODE.

A. AISC "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION

B. AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"

C. "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS"

D. AWS D1.1 "STRUCTURAL WELDING CODE"

E. AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"

DESIGN LOADS

1. BUILDING OCCUPANCY CATEGORY

CATEGORY II

2. LIVE LOADS

-ROOF	20 PSF
-FLOOR	50 PSF
-MECHANICAL	150 PSF

LIVE LOAD REDUCTION NOT USED.
ROOF LIVE LOAD REDUCTION NOT USED.

3. WIND LOADS

-BASIC WIND SPEED	90 MPH
-WIND LOAD IMPORTANCE FACTOR	1.0
-WIND EXPOSURE CATEGORY	C
-WIND LOAD DETERMINATION BY ASCE 7-05, METHOD 1	

4. SEISMIC LOADS (REQUIRED FOR CALIFORNIA COMPETITION SITE ONLY)

-SEISMIC DESIGN CATEGORY	D
-SEISMIC LOAD IMPORTANCE FACTOR	1.0
-SEISMIC OCCUPANCY CATEGORY	I
-LATERAL SYSTEM TYPE	ORDINARY BRACED FRAME
-RESPONSE MODIFICATION FACTOR	3.5
-DEFLECTION AMPLIFICATION FACTOR	3
-RESPONSE ACCELERATION	
SHORT PERIOD	1.46
1 SECOND PERIOD	0.56

5. SNOW LOADS

-GROUND SNOW LOAD	25 PSF
-SNOW EXPOSURE FACTOR	.9
-SNOW IMPORTANCE FACTOR	1.1

FOUNDATIONS

1. THE FOLLOWING ALLOWABLE SOIL PRESSURES WERE USED IN THE PREPARATION OF THESE DRAWINGS:

- 6,000 PSF (PER SOLAR DECATHLON BUILDING CODE, FOR CALIFORNIA COMPETITION SITE ONLY)
- 3,000 PSF (ALL OTHER TEMPORARY LOCATIONS)

2. CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL SURFACE AND SUBSURFACE CONDITIONS IN ADDITION TO THE INFORMATION CONTAINED IN THE SOLAR DECATHLON BUILDING CODE.

3. FOOTINGS SHALL BE BUILT AS SHOWN IN DRAWINGS. PROJECT DOCUMENTS

1. THIS SET OF DRAWINGS, TOGETHER WITH THE SPECIFICATIONS, CONSTITUTES THE COMPLETE DOCUMENT BY WHICH ALL WORK IS TO BE CARRIED OUT.

2. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT JOB SITE. THE CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND ALL OTHER RELEVANT CONSULTANTS' DRAWINGS BEFORE COMMENCING WITH THE WORK AND SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES REQUIRING CLARIFICATION OR REVISION.

3. SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY SCALING FROM THE DRAWINGS.

4. IN THE EVENT THAT CERTAIN DETAILS OF THE CONSTRUCTION ARE NOT FULLY SHOWN OR NOTED ON DRAWINGS, THEIR CONSTRUCTION SHALL BE OF THE SAME TYPE AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED, SUBJECT TO THE STRUCTURAL ENGINEER'S APPROVAL.

5. REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:

A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED.

B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS.

C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, INSERTS, ETC. EXCEPT AS SHOWN.

D. FLOOR AND ROOF FINISHES.

E. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

6. REFER TO MEP DRAWINGS FOR THE FOLLOWING:

A. PIPE AND DUCT RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, EXCEPT AS SHOWN OR NOTED.

B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.

C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.

D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS, EXCEPT AS SHOWN OR NOTED.

7. SEE SPECIFICATIONS FOR WATERPROOFING AND DAMP PROOFING.

8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE PROPER SHORING AND BRACING DURING CONSTRUCTION WHERE NECESSARY, WHICH SHALL NOT BE REMOVED AS LONG AS REQUIRED FOR SAFETY, STEEL DECK

1. STEEL DECK AND ACCESSORIES SHALL BE FROM STEEL CONFORMING TO ASTM A1008 OR ASTM A653 WITH A MINIMUM YIELD STRESS OF 50 KSI.

2. GALVANIZING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A653 WITH A MINIMUM COATING OF G60.

3. ROOF DECK SHALL BE 18 GAGE TYPE 1.5B. DECK SHALL BE BY VULCRAFT OR APPROVED EQUAL. REFER TO DRAWINGS FOR OTHER REQUIREMENTS.

4. ROOF DECK SHALL BE ATTACHED TO SUPPORTING STRUCTURAL MEMBERS BY (7)-5/8" PUDDLE WELDS OR EQUIVALENT STEEL DECKING FASTENERS FOR EVERY 36" COVERAGE.

5. ROOF DECK SIDELAPS BETWEEN ADJACENT UNITS SHALL BE FASTENED BY (4)-#10 TEK SCREWS FOR EACH SPAN.

6. FLOOR DECK SHALL BE 18 GAGE TYPE 3N. DECK SHALL BE BY VULCRAFT OR APPROVED EQUAL. REFER TO DRAWINGS FOR OTHER REQUIREMENTS.

7. FLOOR DECK SHALL BE ATTACHED TO SUPPORTING STRUCTURAL MEMBERS BY (4)-5/8" PUDDLE WELDS OR EQUIVALENT STEEL DECKING FASTENERS FOR EVERY 24" COVERAGE.

8. FLOOR DECK SIDELAPS BETWEEN ADJACENT UNITS SHALL BE FASTENED BY (4)-#10 TEK SCREWS FOR EACH SPAN.

9. DECK WELDING SHALL COMPLY WITH THE BUILDING CODE AND AWS-D1.1. ELECTRODES SHALL BE E70XX.

10. PROVIDE 2 INCHES MINIMUM BEARING AT DECK SUPPORTS.

11. PROVIDE MISCELLANEOUS TRIMMING STEEL AS REQUIRED TO SUPPORT THE DECK WHERE NOT SPECIFICALLY SHOWN ON DRAWINGS.

STEEL FRAMING NOTES

1. STEEL MEMBERS ARE ASSUMED TO BE VERTICAL AND DIMENSIONED TO THEIR CENTERLINE UNLESS OTHERWISE NOTED.

2. STEEL MEMBERS NOT LOCATED IN PLAN BY A DIMENSION LINE SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED MEMBERS.

3. FOR SLOPING MEMBERS, THE TOP OF STEEL ELEVATIONS AT THE LOW AND HIGH POINTS SHALL COINCIDE WITH THE TOP OF STEEL ELEVATIONS OF THE MEMBERS THEY ARE FRAMING TO AT THESE LOCATIONS, UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE PROVIDED AS FOLLOWS:

SHAPE	ASTM STANDARD	Fy (KSI)
WIDE FLANGES	A992	50
CHANNELS	A572 GRADE 50	50
RECTANGULAR AND ROUND HSS	A500 GRADE B	46
PIPES	A53 TYPE E	35
ANGLES	A36	36
PLATES	A36	36

-Fy IS THE MINIMUM TENSILE YIELDING STRESS TO BE PROVIDED UNLESS OTHERWISE NOTED.

2. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS CONFORMING TO ASTM A325 UNLESS OTHERWISE NOTED. ALL CONNECTIONS SHALL BE TYPE N UNLESS OTHERWISE NOTED ON DRAWINGS.

3. NUTS SHALL CONFORM TO ASTM A563, DH OR ASTM A194, 2H. PROVIDE WASHERS CONFORMING TO ASTM F436 AT EACH THREADED ROD OR BOLT.

4. BOLT HOLES IN STEEL MEMBERS, WITH THE EXCEPTION OF BASE PLATES, SHALL BE 1/16 INCH LARGER IN DIAMETER THAN THE NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE ON DRAWINGS.

5. BOLT HOLES IN STEEL BASE PLATES SHALL BE OF THE SIZE MARKED ON DRAWINGS. PROVIDE WELDED PLATE WASHERS 3"x3"x3/8" THICK MINIMUM.

6. ALL WELDS SHALL BE CONTINUOUS UNLESS OTHERWISE NOTED. MINIMUM WELD SIZE TO BE 3/16" FILLET UNLESS OTHERWISE NOTED.

7. THREADED RODS SHALL HAVE THREADS CONFORMING TO UNC CLASS 2A (EXTERIOR THREADS) AND 2B (INTERNAL THREADS).

8. WELDING MATERIALS SHALL CONFORM TO AWS D1.1. ELECTRODES SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI AND BE LOW-HYDROGEN TYPE.

9. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTHS REQUIRED.

10. SPLICES SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE MEMBER AT THE POINT OF SPLICE. SPLICES SHALL BE MADE ONLY AT LOCATIONS INDICATED ON DRAWINGS. FULL DETAIL AND BACK-UP CALCULATIONS OF SPLICES REQUIRE REVIEW AND APPROVAL BY THE ENGINEER.

11. SHAPE AND SIZE GUSSET PLATES IN SUCH A MANNER AS TO CLEAR ALL ARCHITECTURAL FINISHES AND MECHANICAL FIXTURES (DUCTS, PIPES, ETC.). SUBMIT THE CONFIGURATION OF ALL GUSSET PLATES EXPOSED TO VIEW TO ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL.

12. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING, GUYING AND CONNECTING MEMBERS REQUIRED TO ERECT THE STRUCTURE. MAINTAIN CORRECT ALIGNMENT AND SAFELY RESIST ALL POSSIBLE COMBINATIONS OF DEAD, CONSTRUCTION, ERECTION, WIND AND OTHER LATERAL LOADS.

13. REFER TO SPECIFICATIONS FOR STEELWORK PROTECTION AND COATINGS.

SUBMITTALS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER'S APPROVAL.


2. ONLY SHOP DRAWINGS MARKED "NO EXCEPTIONS TAKEN," "REVISE AS NOTED" OR "SEE COMMENTS NOTED" MAY BE USED BY CONTRACTOR IN THE WORK. SHOP DRAWINGS MARKED "REJECTED" OR "RESUBMIT FOR REVIEW" SHALL BE CORRECTED AND COMPLETED AS REQUIRED AND RESUBMITTED TO THE ARCHITECT BEFORE THEY ARE USED IN THE WORK.

TESTING AND INSPECTIONS

1. THE OWNER WILL RETAIN AN INDEPENDENT TESTING AGENCY TO INSPECT, CONDUCT TESTS, AND PROVIDE RECORDS OF THE FOLLOWING TYPES OF WORK AS REQUIRED BY THE BUILDING CODE:

A. ALL STRUCTURAL STEEL WELDING

B. ALL HIGH STRENGTH BOLTING



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4	2013.08.22	As-Built Submission
3	2013.02.04	100% CD Submission
2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

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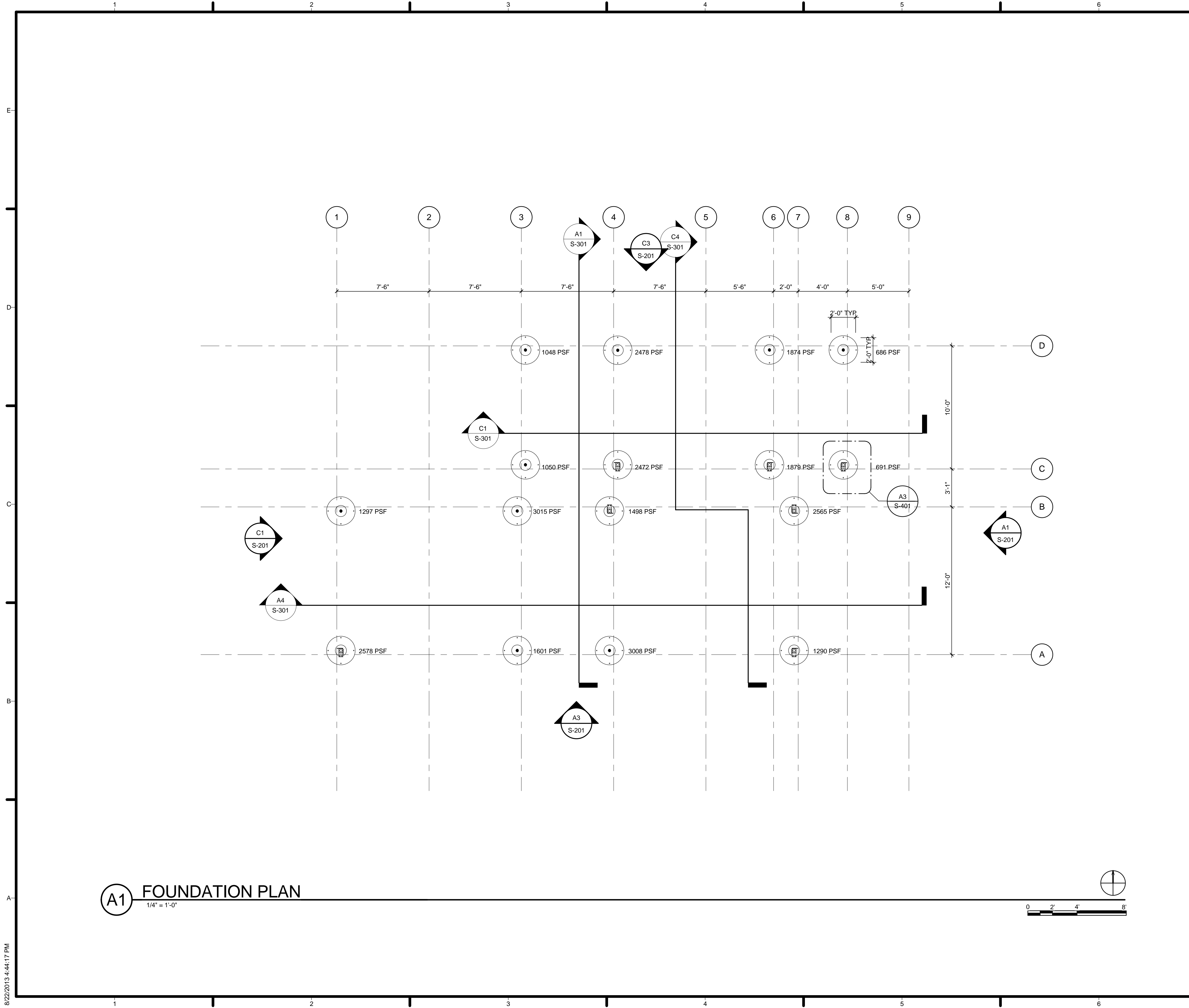
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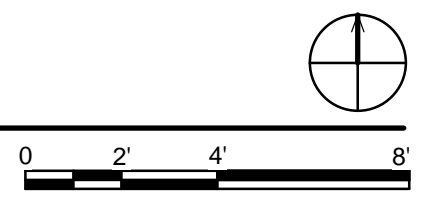
SHEET TITLE

**STRUCTURAL NOTES
AND SYMBOLS**

S-001



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



GENERAL SHEET NOTES

1. REFER TO S-001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

REFERENCE KEYNOTES

SHEET KEYNOTES

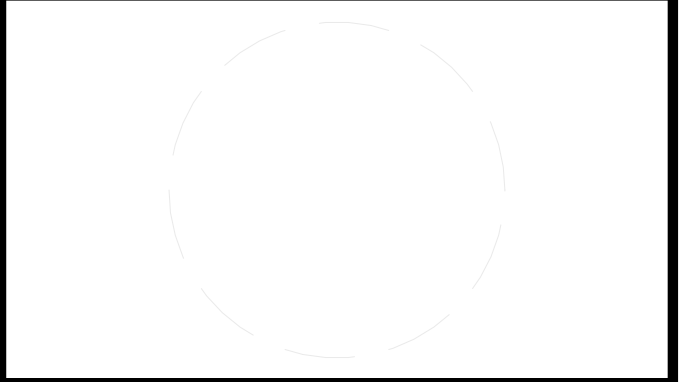


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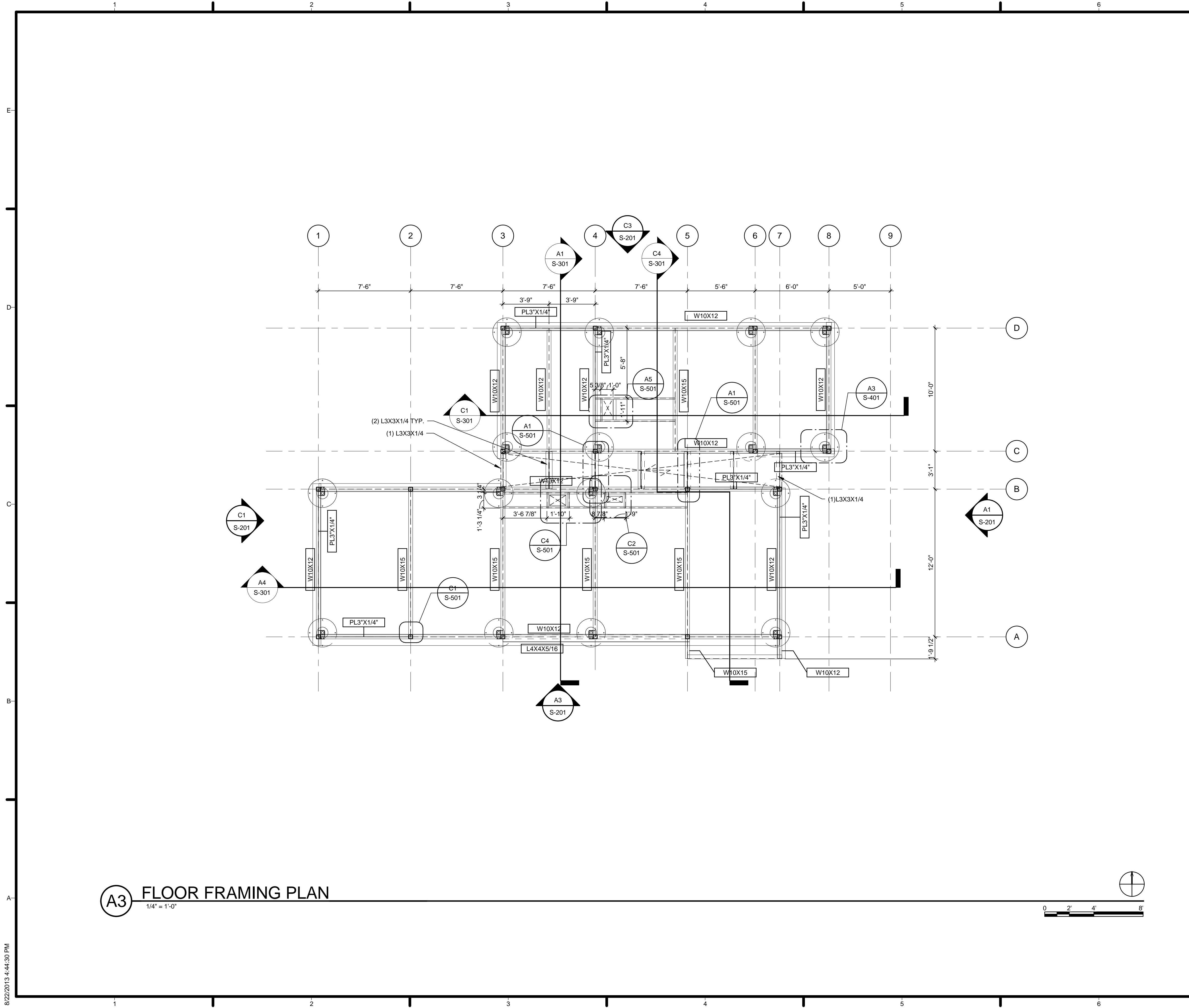


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4	2013.08.22	As-Built Submission
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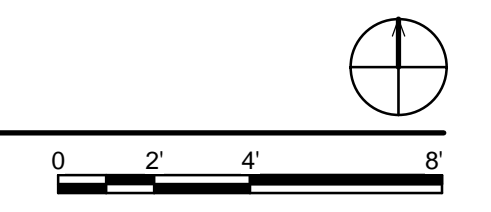
LOT NUMBER: 115
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SHEET TITLE
FOUNDATION PLAN

S-101



A3 FLOOR FRAMING PLAN
1/4" = 1'-0"

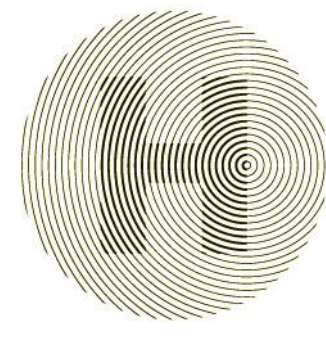


GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

1. REFER TO DETAIL A5/S-401 FOR REINFORCEMENT AT ALL OPENINGS THROUGH METAL DECK.
2. SEE S-601 FOR WEB OPENINGS AT FLOOR



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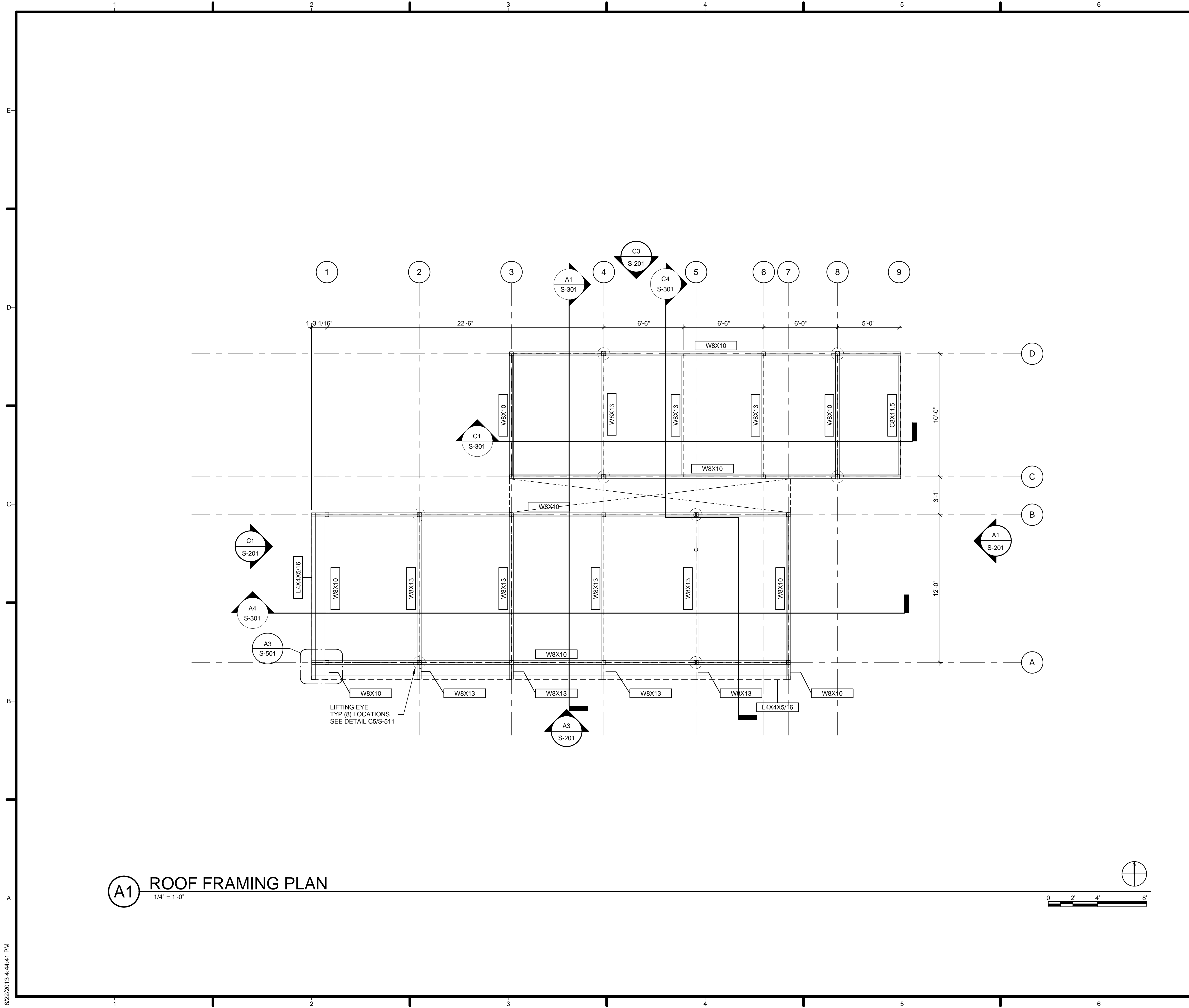
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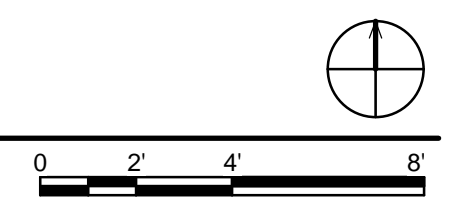
SHEET TITLE
FLOOR FRAMING PLAN

S-102

8/22/2013 4:44:30 PM



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




GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

- 1. REFER TO DETAIL A5/S-401 FOR REINFORCEMENT AT ALL OPENINGS THROUGH METAL DECK.
- 2. SEE S-601 FOR WEB OPENINGS AT ROOF



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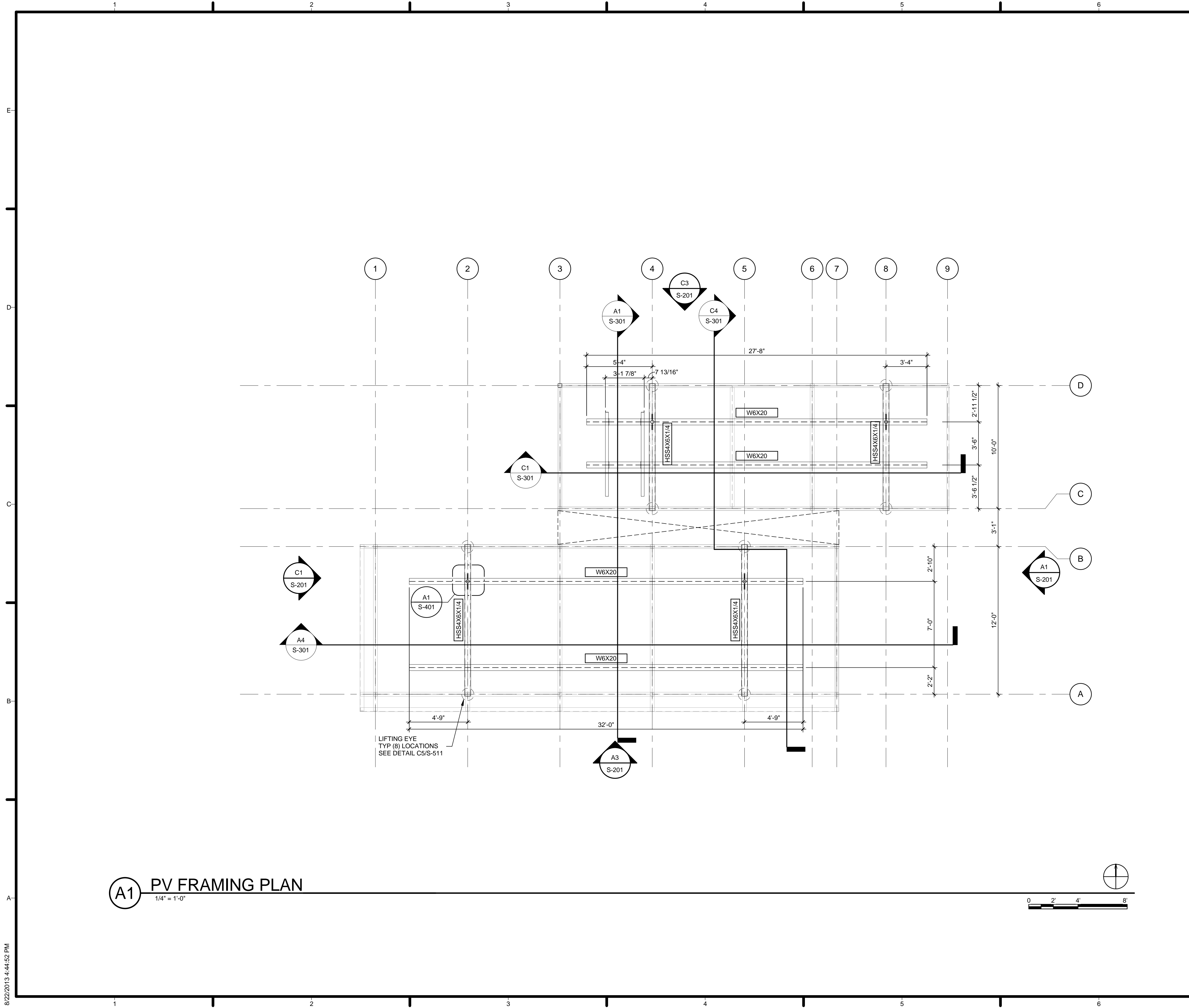
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SHEET TITLE
ROOF FRAMING PLAN

S-103

8/22/2013 4:44:41 PM




A1 PV FRAMING PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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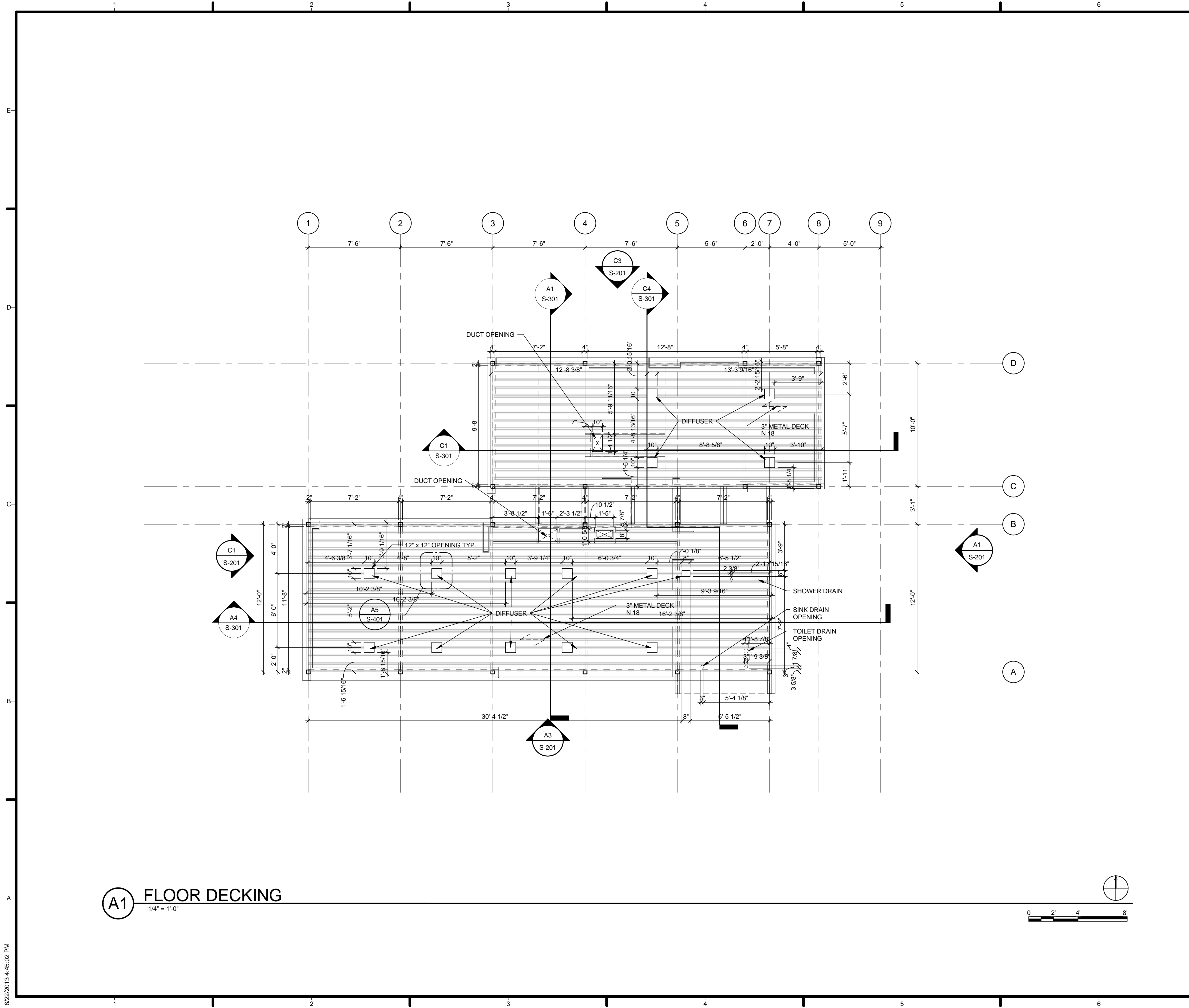
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SHEET TITLE
PV FRAMING PLAN

S-104

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A1 FLOOR DECKING
1/4" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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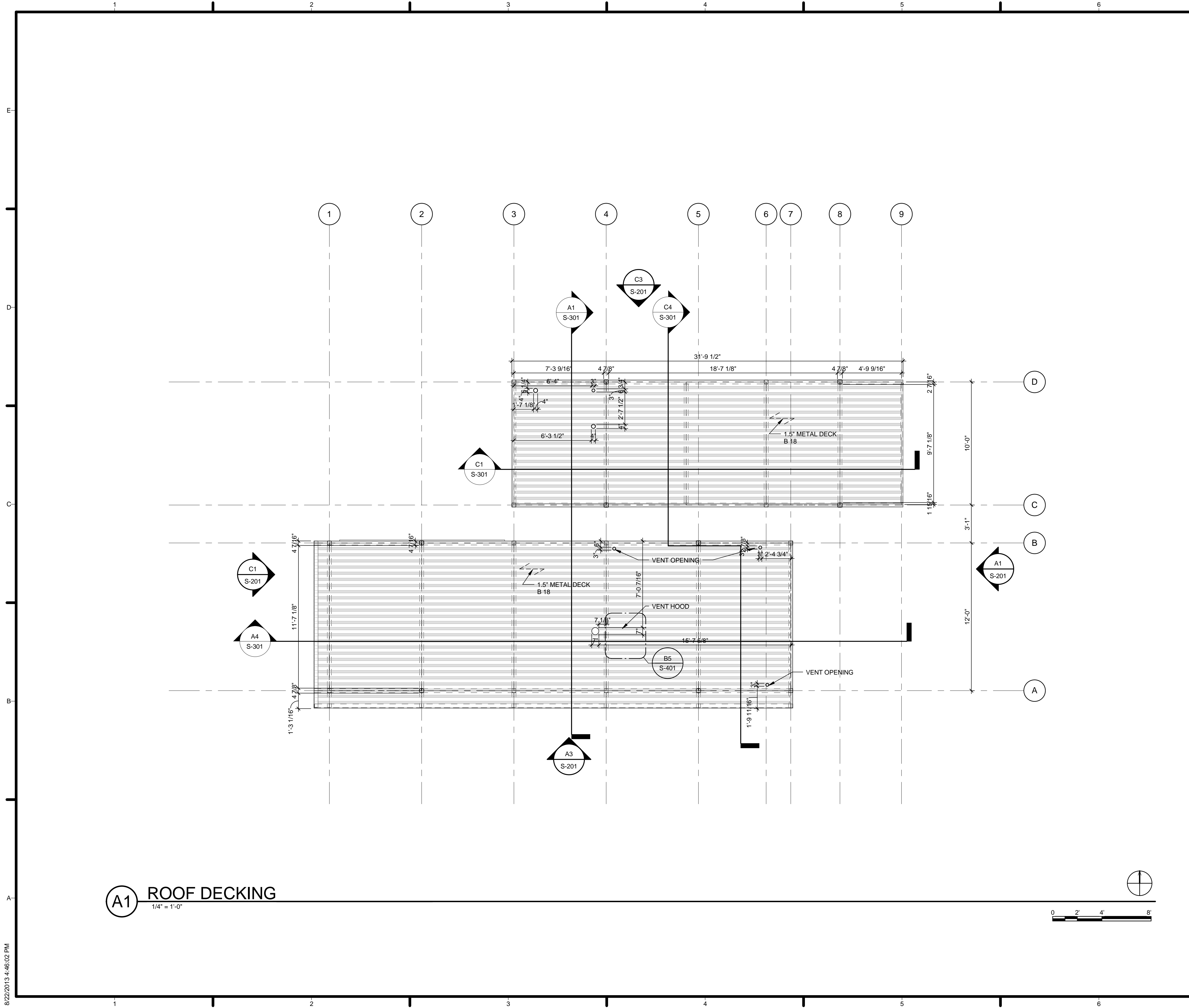
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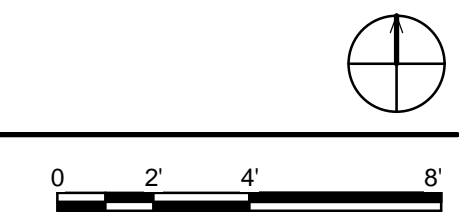
SHEET TITLE
DECK FRAMING PLAN

S-105

8/22/2013 4:45:02 PM




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



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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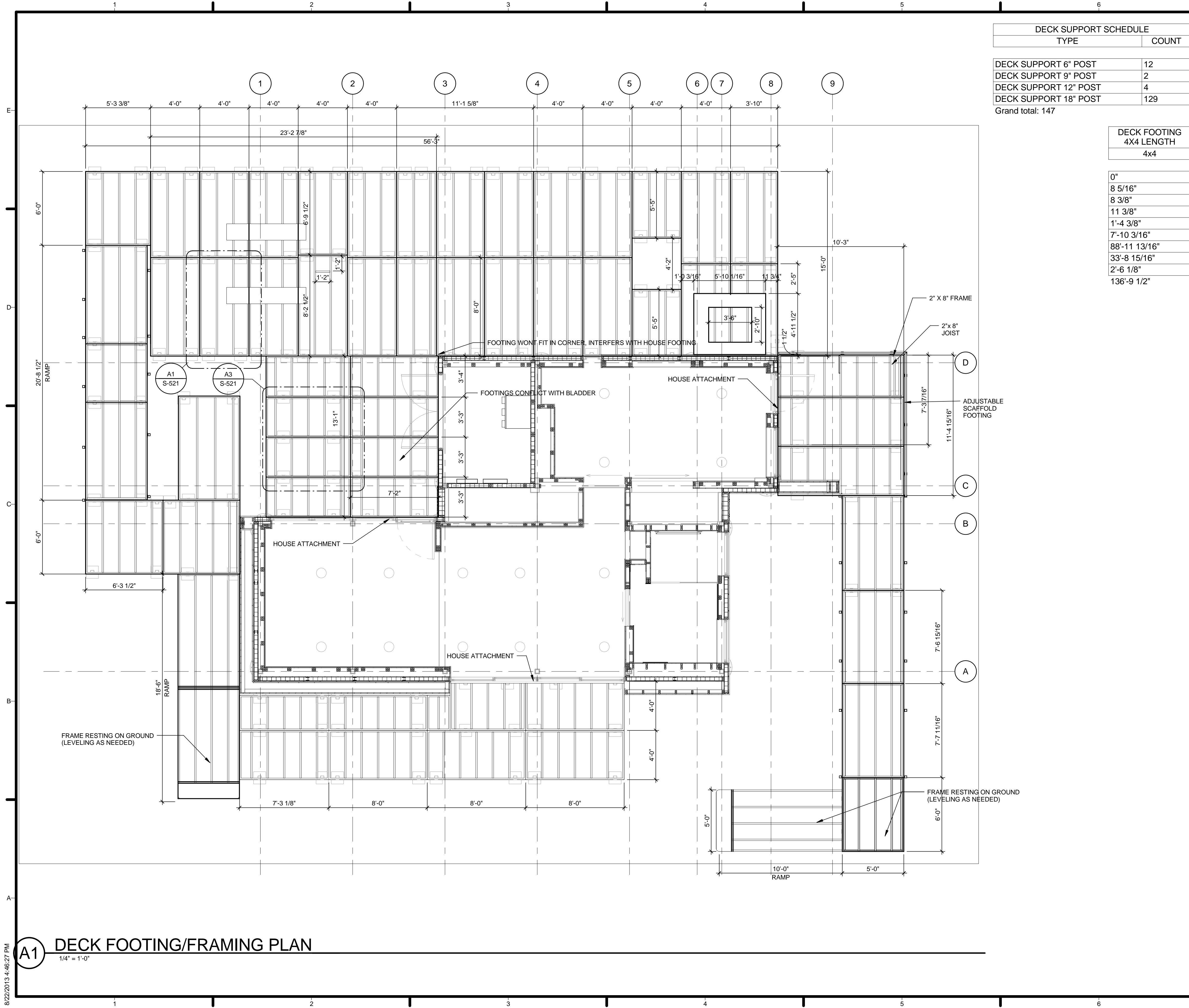
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SHEET TITLE
DECK FRAMING PLAN

S-106

8/22/2013 4:46:02 PM



DECK SUPPORT SCHEDULE	
TYPE	COUNT
DECK SUPPORT 6" POST	12
DECK SUPPORT 9" POST	2
DECK SUPPORT 12" POST	4
DECK SUPPORT 18" POST	129
Grand total:	147


DECK FOOTING 4X4 LENGTH
4x4

0"
8 5/16"
8 3/8"
11 3/8"
1'-4 3/8"
7'-10 3/16"
88'-11 13/16"
33'-8 15/16"
2'-6 1/8"
136'-9 1/2"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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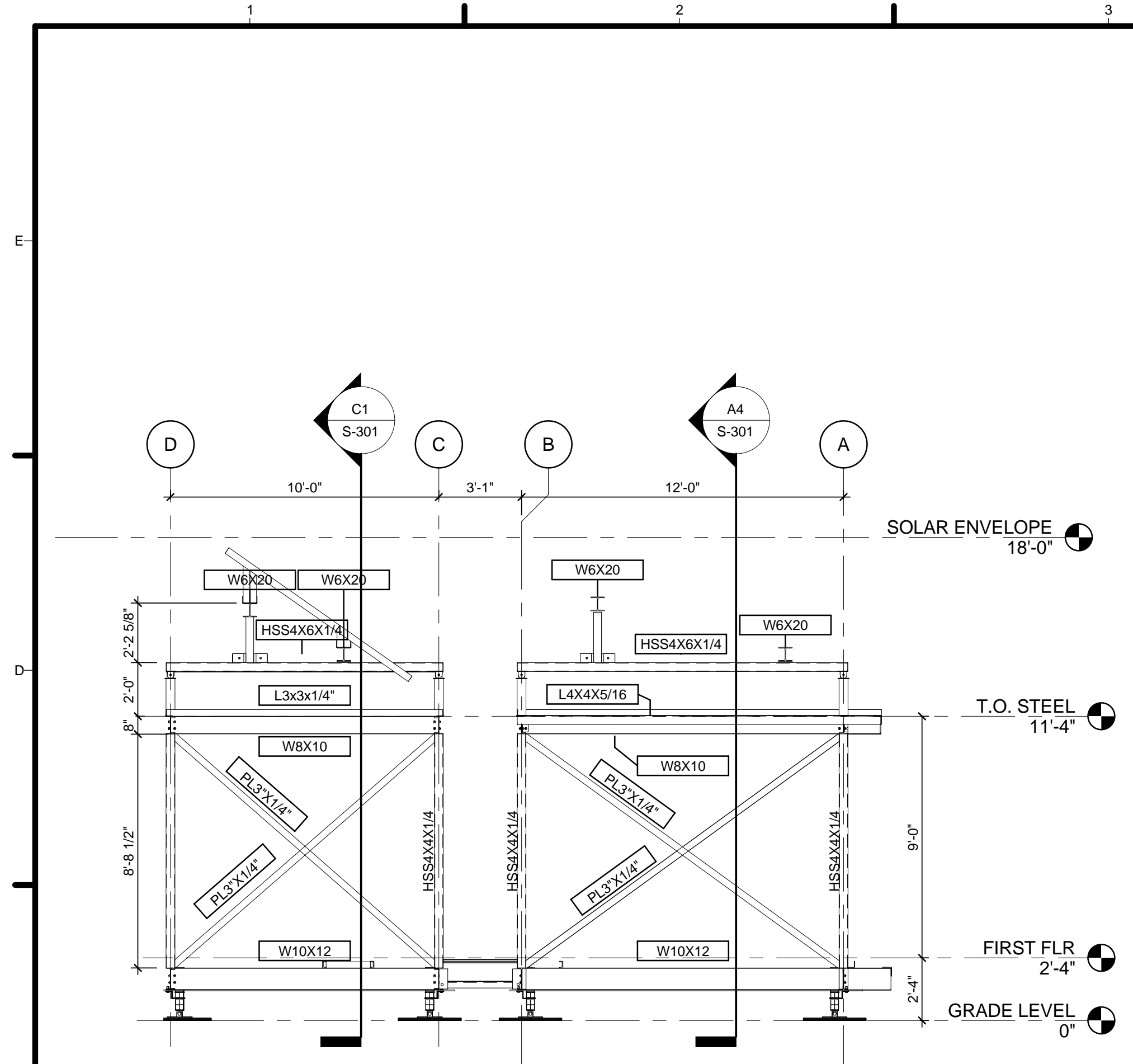
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SHEET TITLE
LANDSCAPE DECK FRAMING PLAN

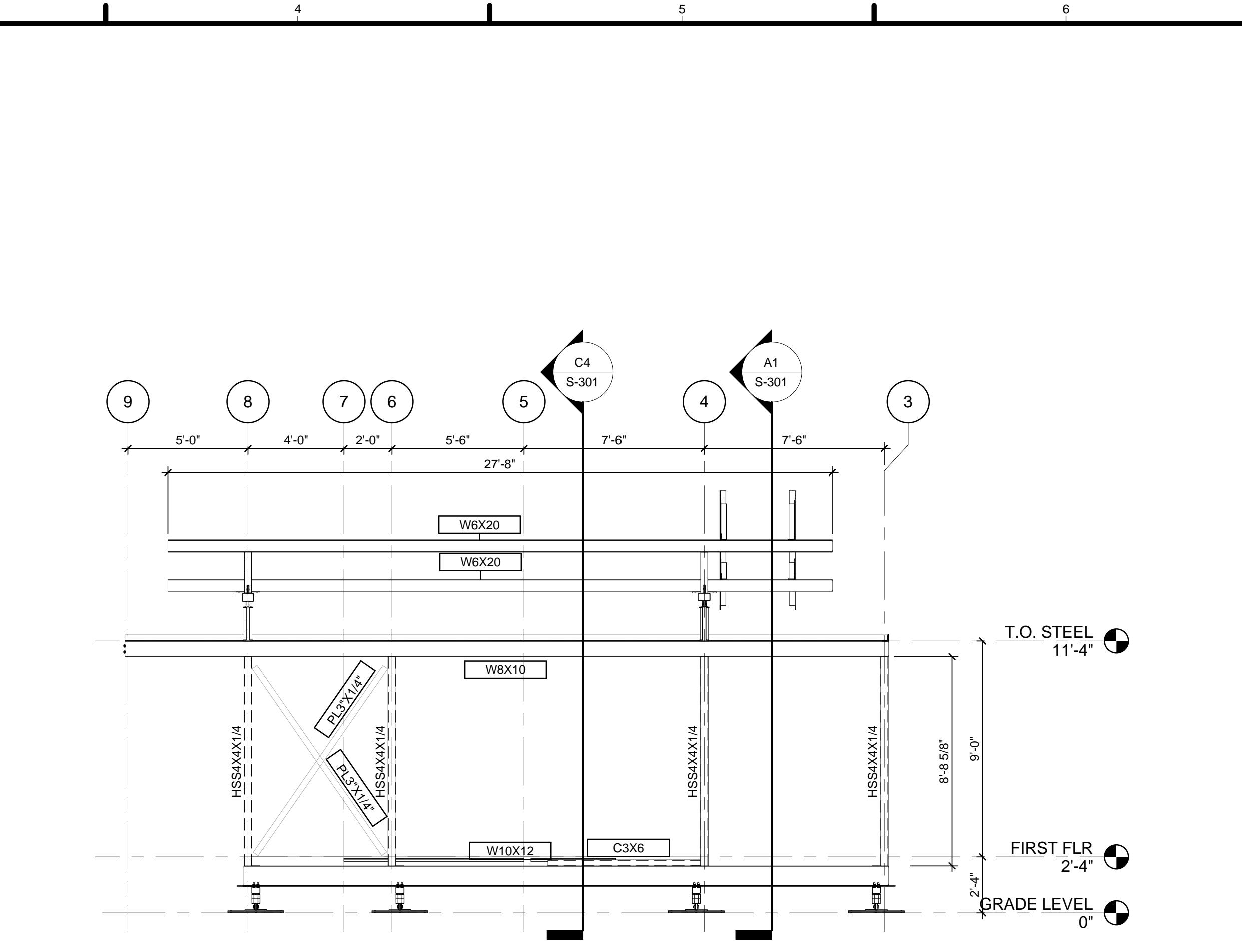
S-107

A1 DECK FOOTING/FRAMING PLAN
1/4" = 1'-0"

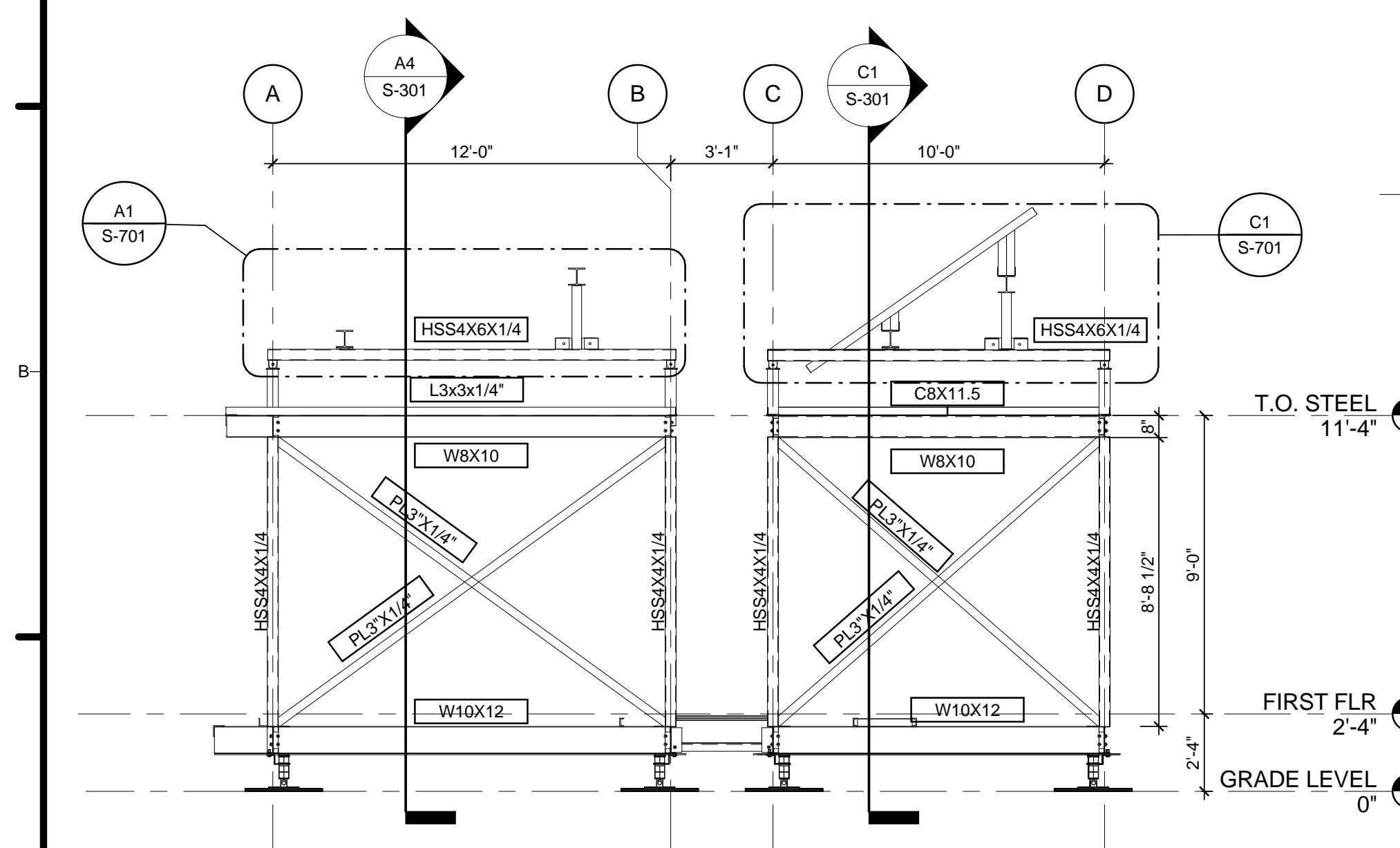
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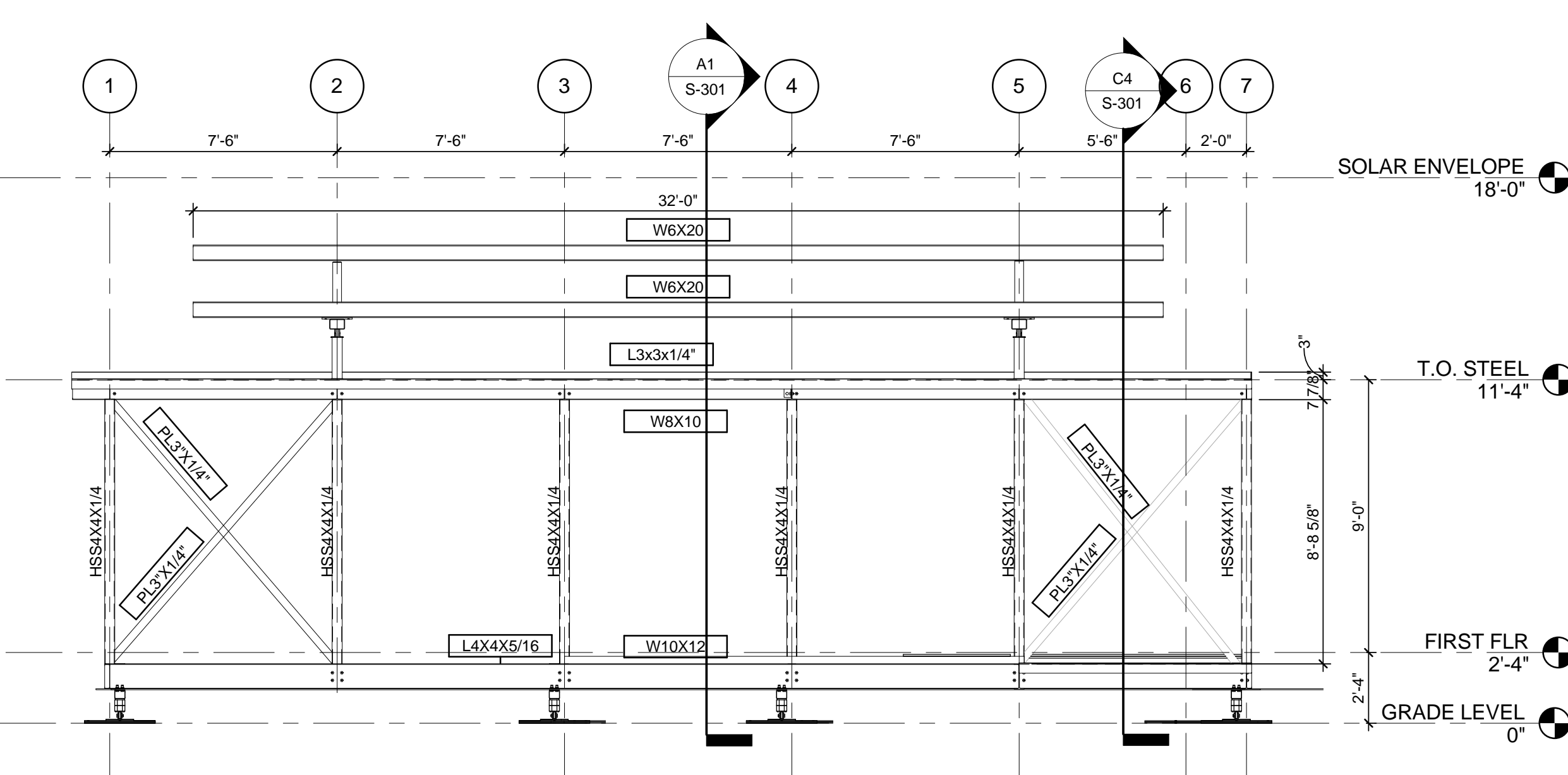
C1 STRUCTURE WEST BUILDING ELEVATION
1/4" = 1'-0"
0 2 4 8



C3 STRUCTURE NORTH ELEVATION - BEDROOM
1/4" = 1'-0"
0 2 4 8



A1 STRUCTURE EAST BUILDING ELEVATION
1/4" = 1'-0"
0 2 4 8



A3 STRUCTURE SOUTH ELEVATION - MAIN
1/4" = 1'-0"
0 2 4 8

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

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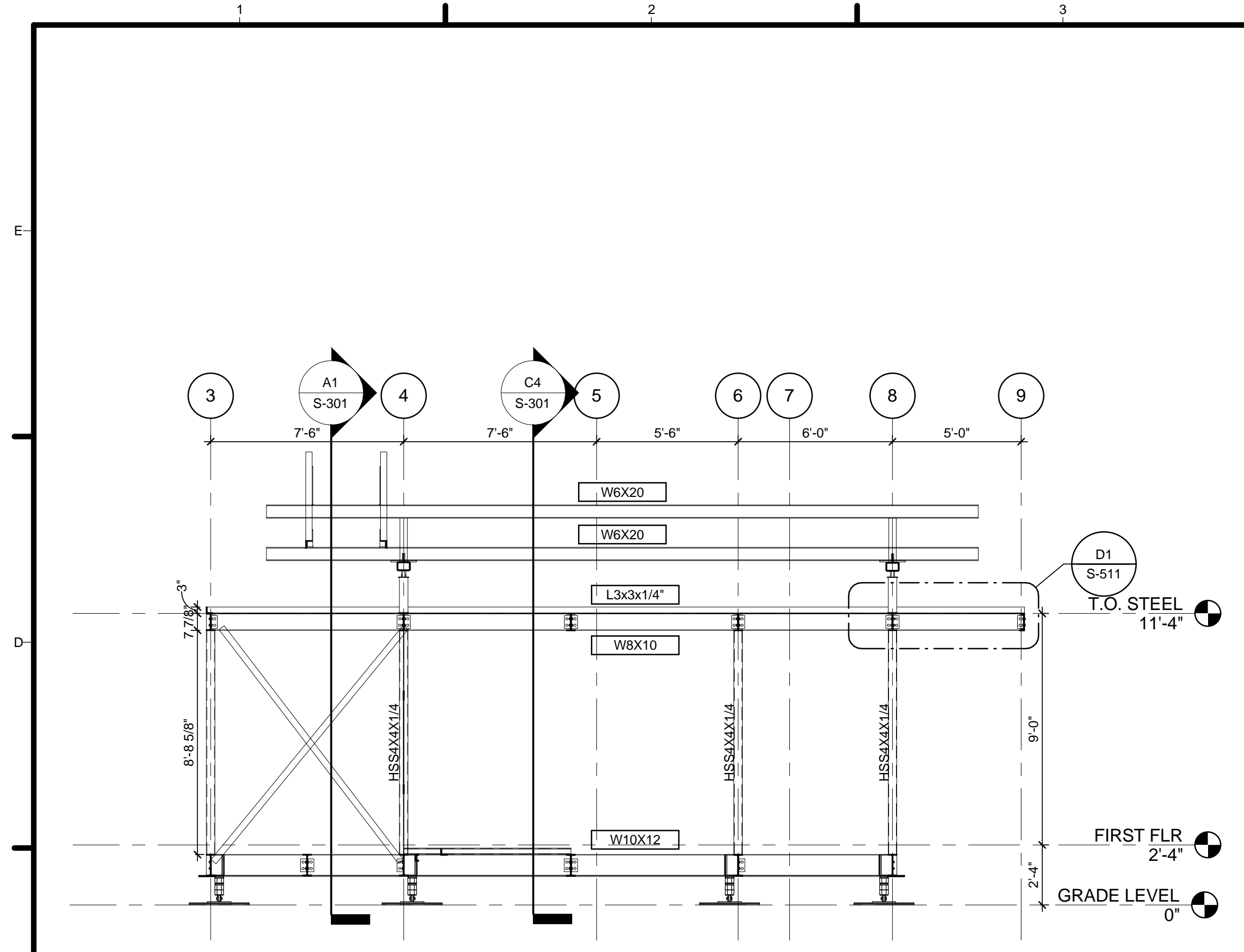
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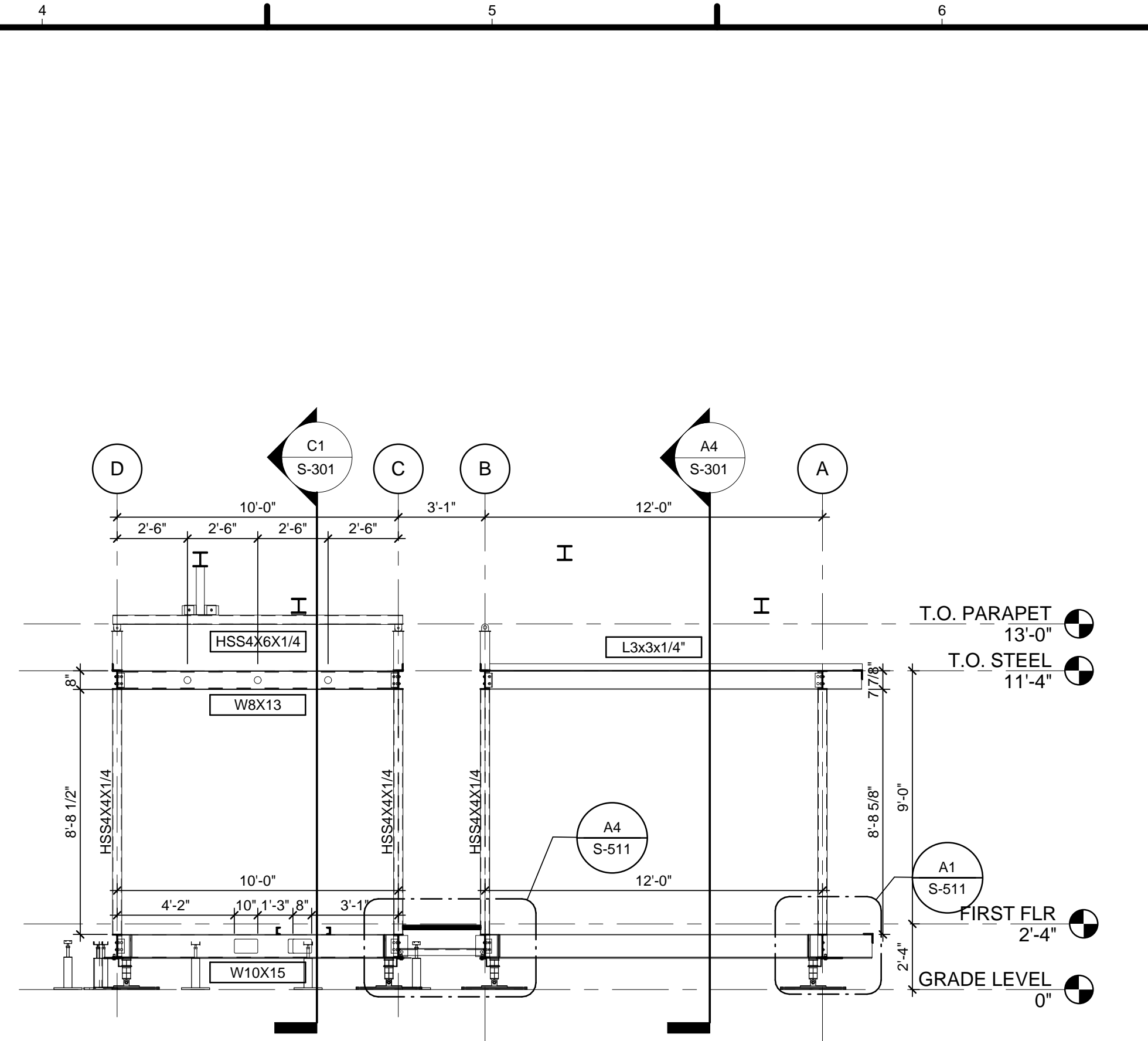
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SHEET TITLE
FRAMING ELEVATIONS

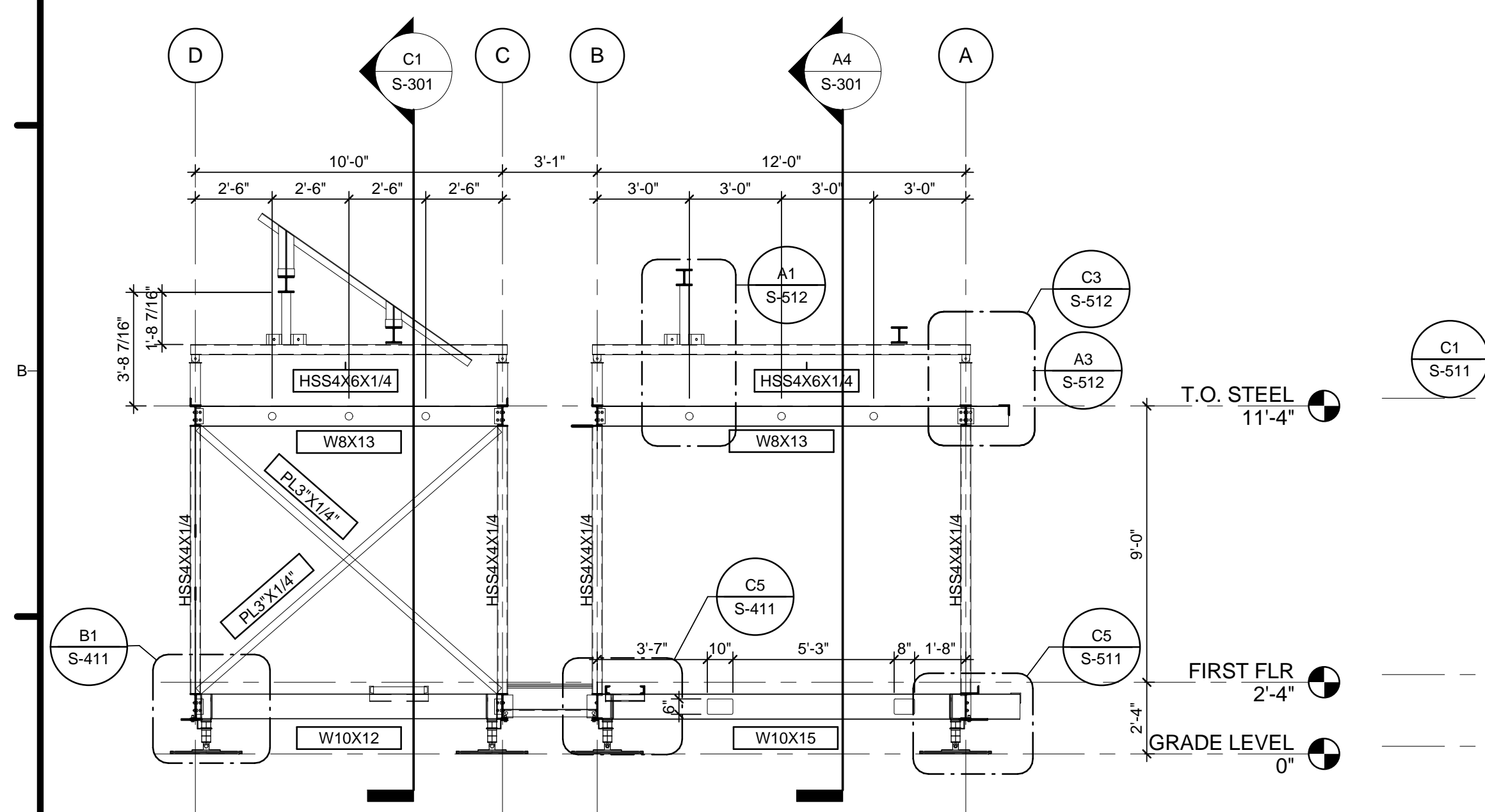
S-201



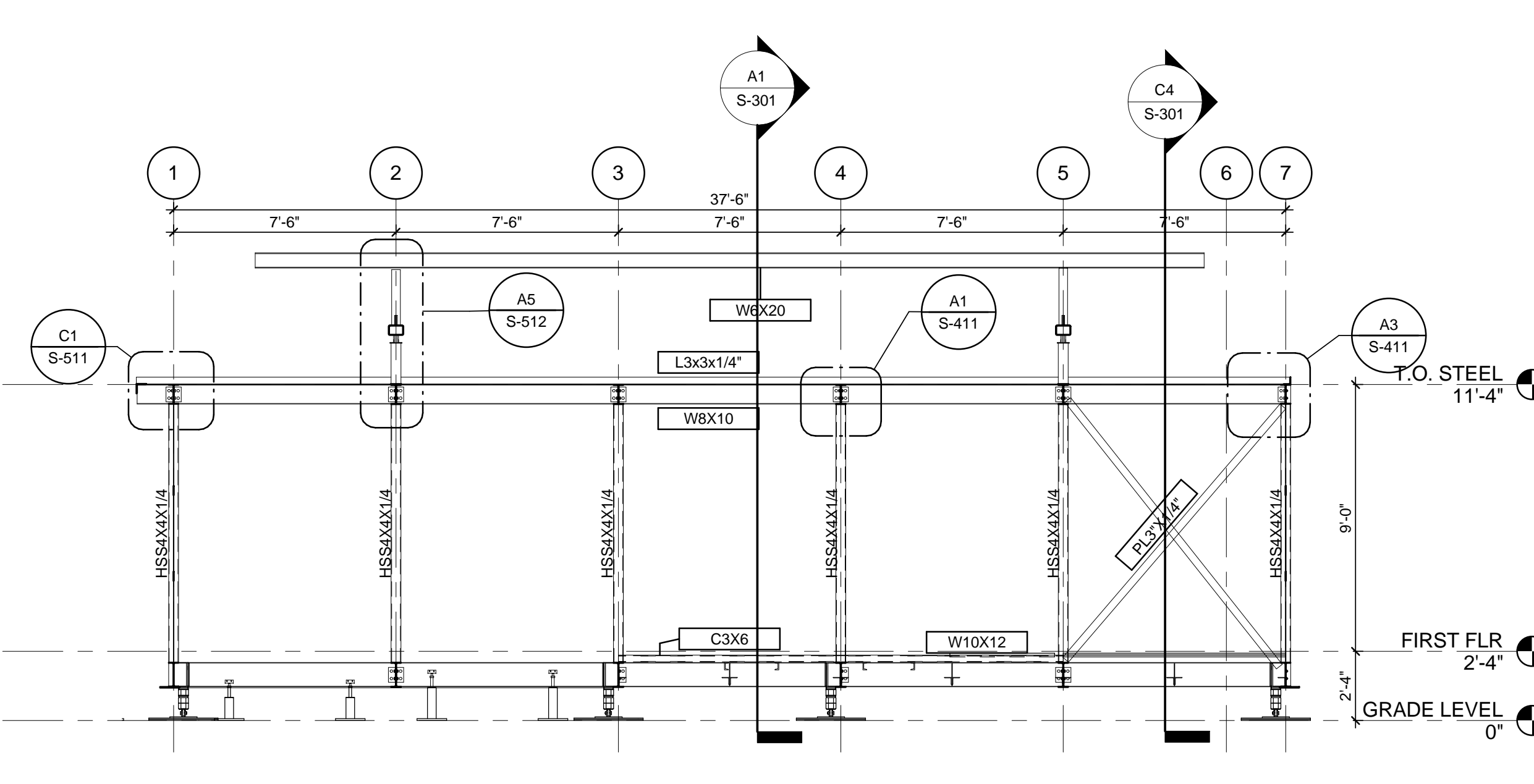
C1 STRUCTURAL SECTION 4
1/4" = 1'-0"



C4 STRUCTURAL SECTION 2
1/4" = 1'-0"



A1 STRUCTURAL SECTION 1
1/4" = 1'-0"




A4 STRUCTURAL SECTION 3
1/4" = 1'-0"

GENERAL SHEET NOTES

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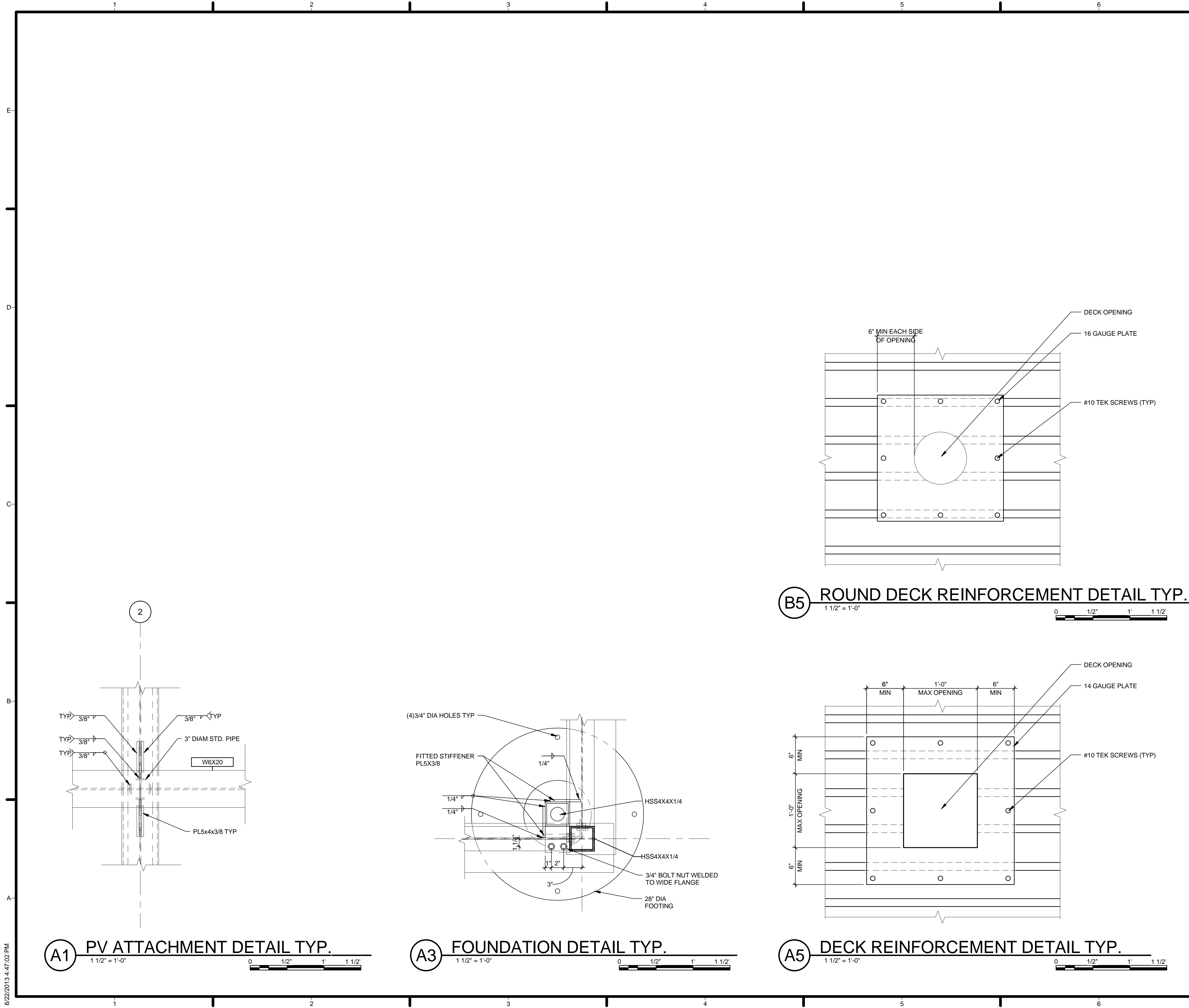
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SHEET TITLE
FRAMING SECTIONS

S-301



GENERAL SHEET NOTES

TYPICAL DECK REINFORCEMENT FOR DECK OPENING GREATER THAN 6" DIA.

REFERENCE KEYNOTES

SHEET KEYNOTES

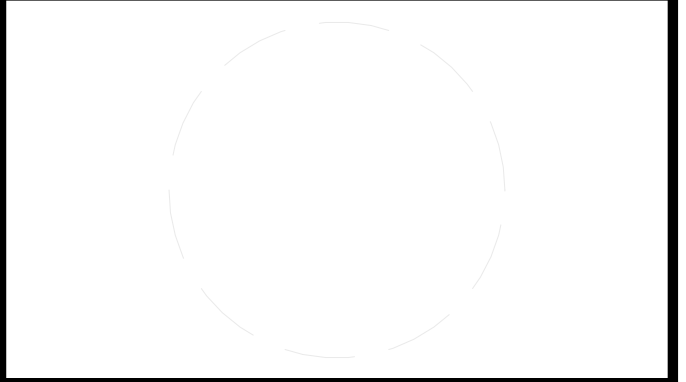


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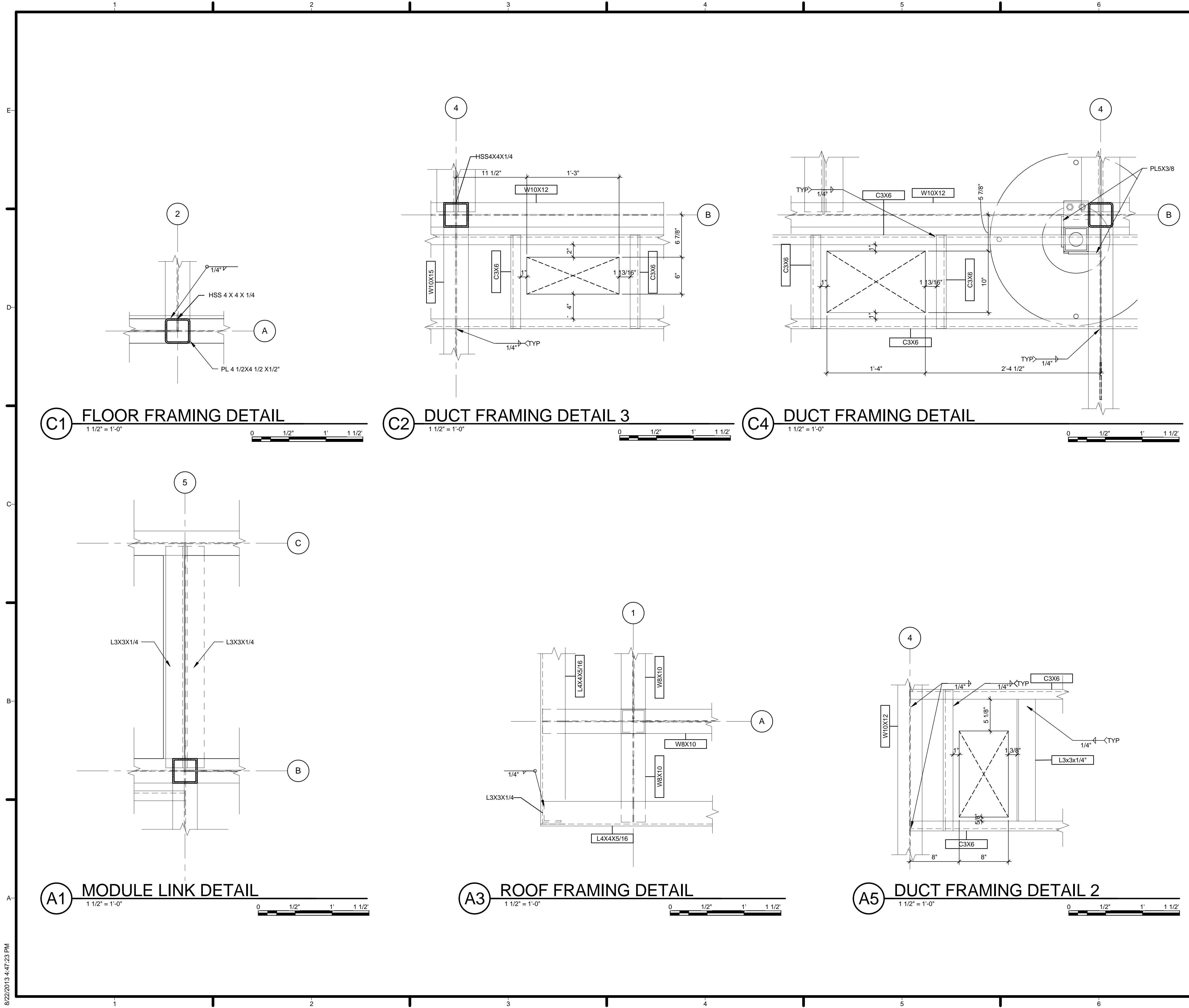
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SHEET TITLE
TYPICAL PLAN DETAILS

S-401

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GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 12 23.A7 HSS 4 X 4 X 1/4

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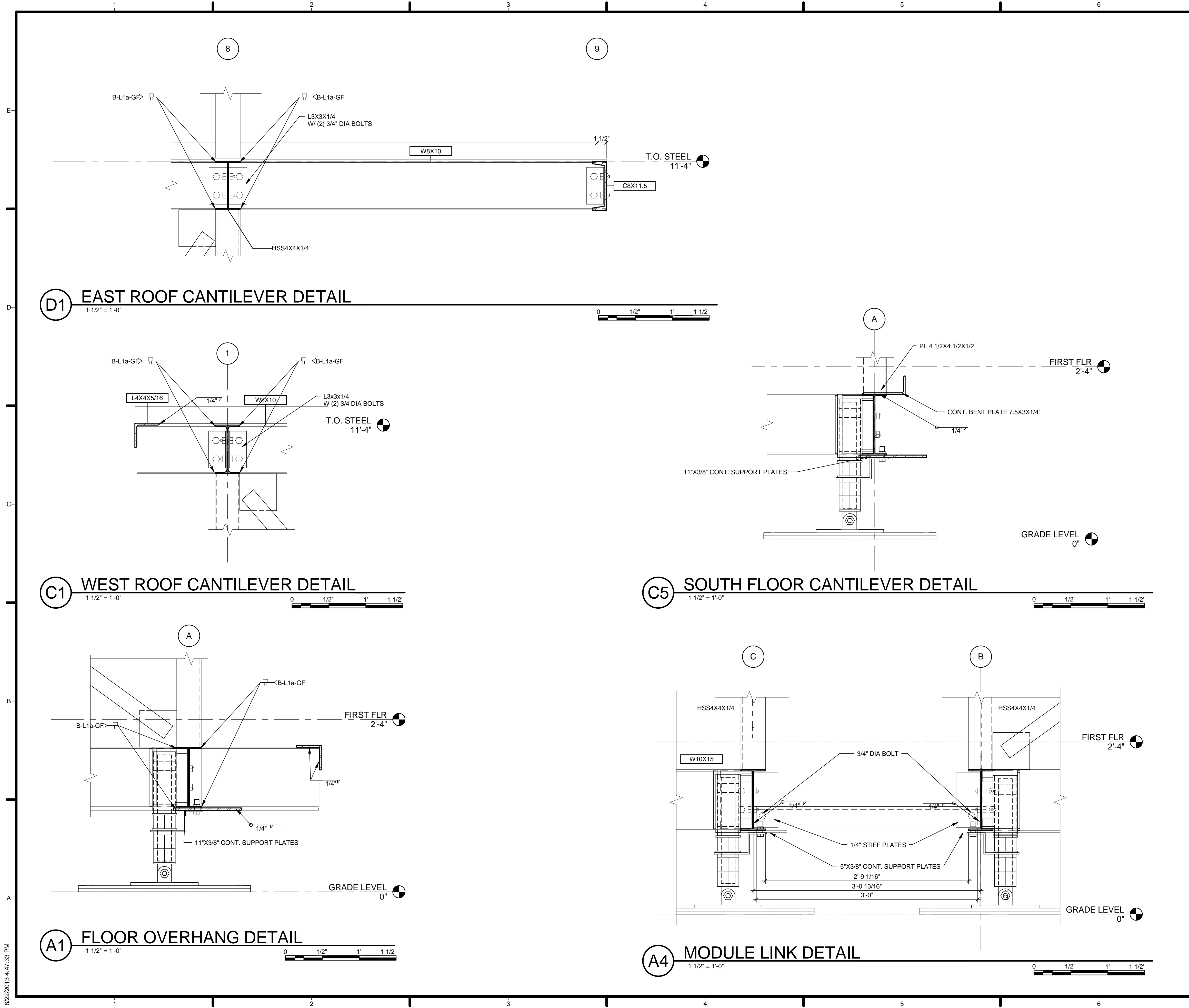
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SHEET TITLE
PLAN DETAILS

S-501

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GENERAL SHEET NOTES

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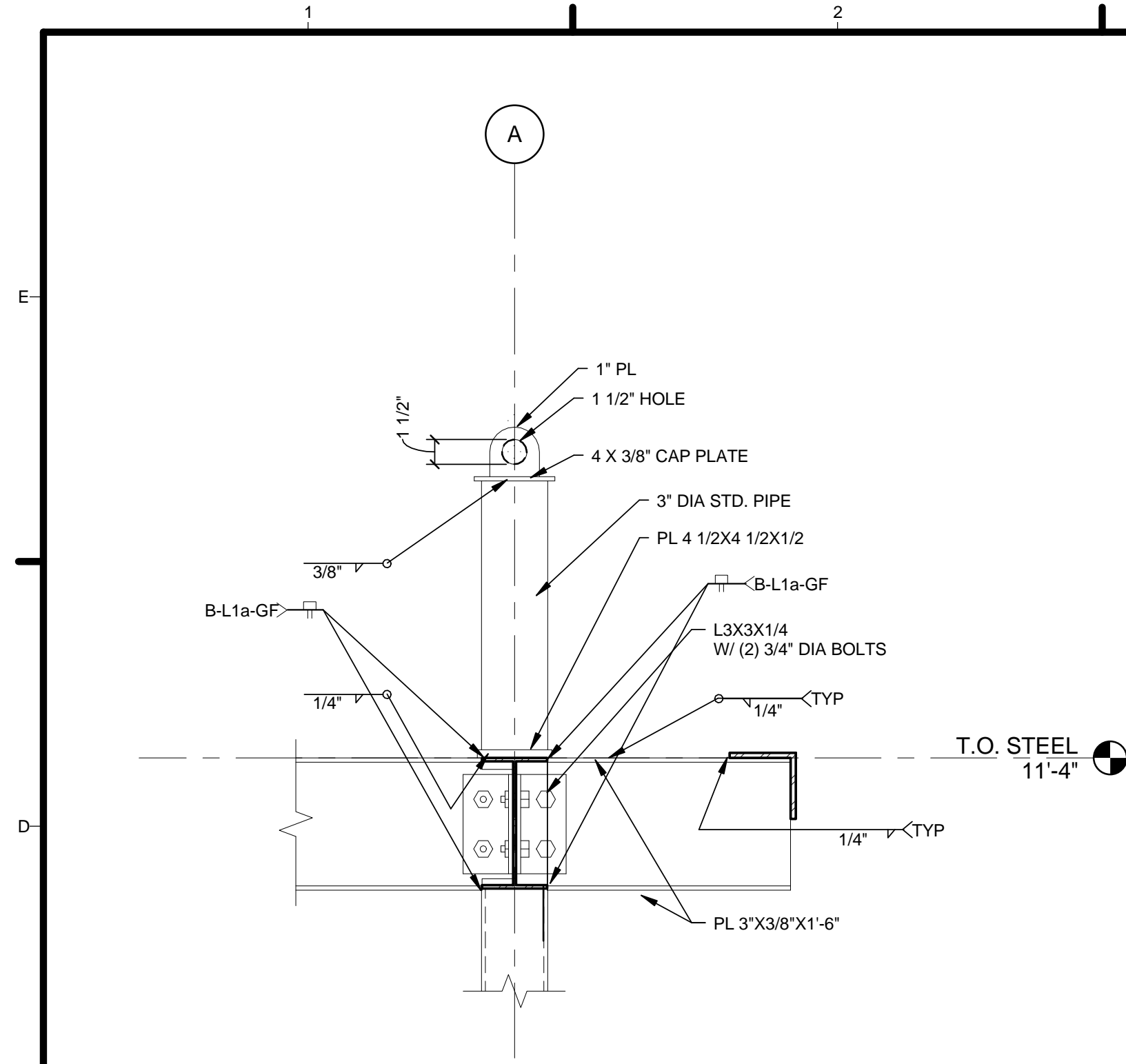
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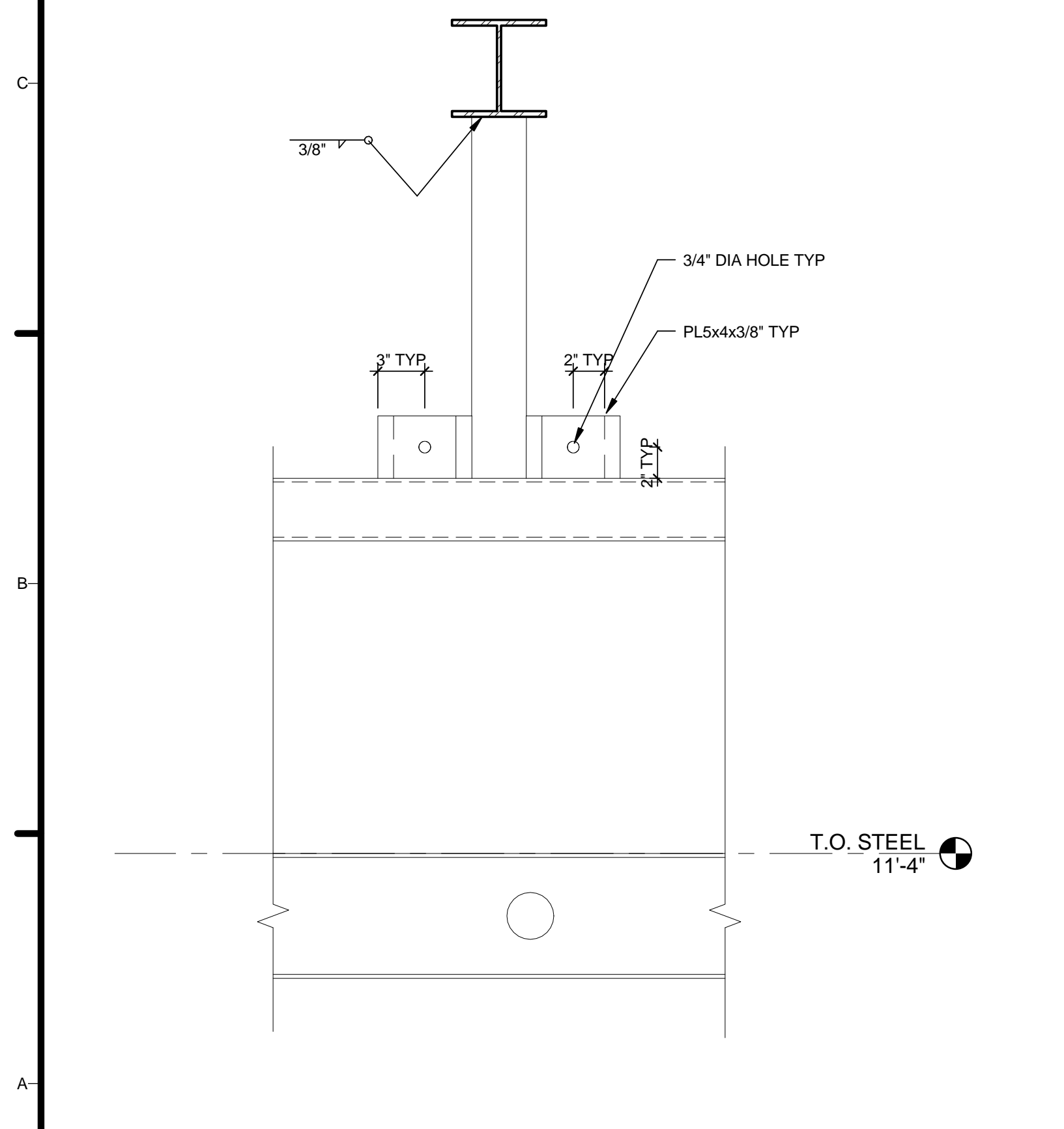
SECTION DETAILS

S-511

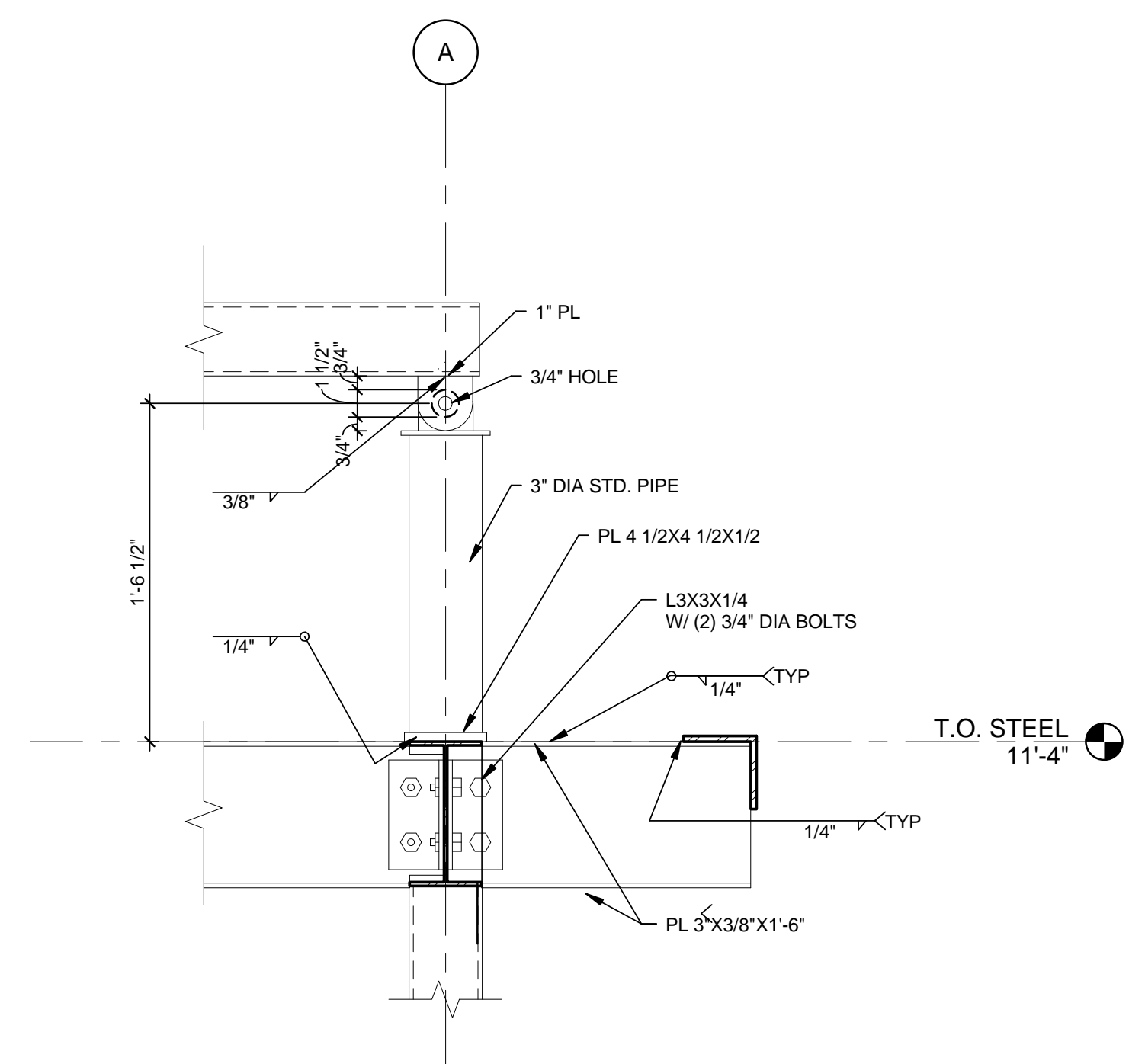
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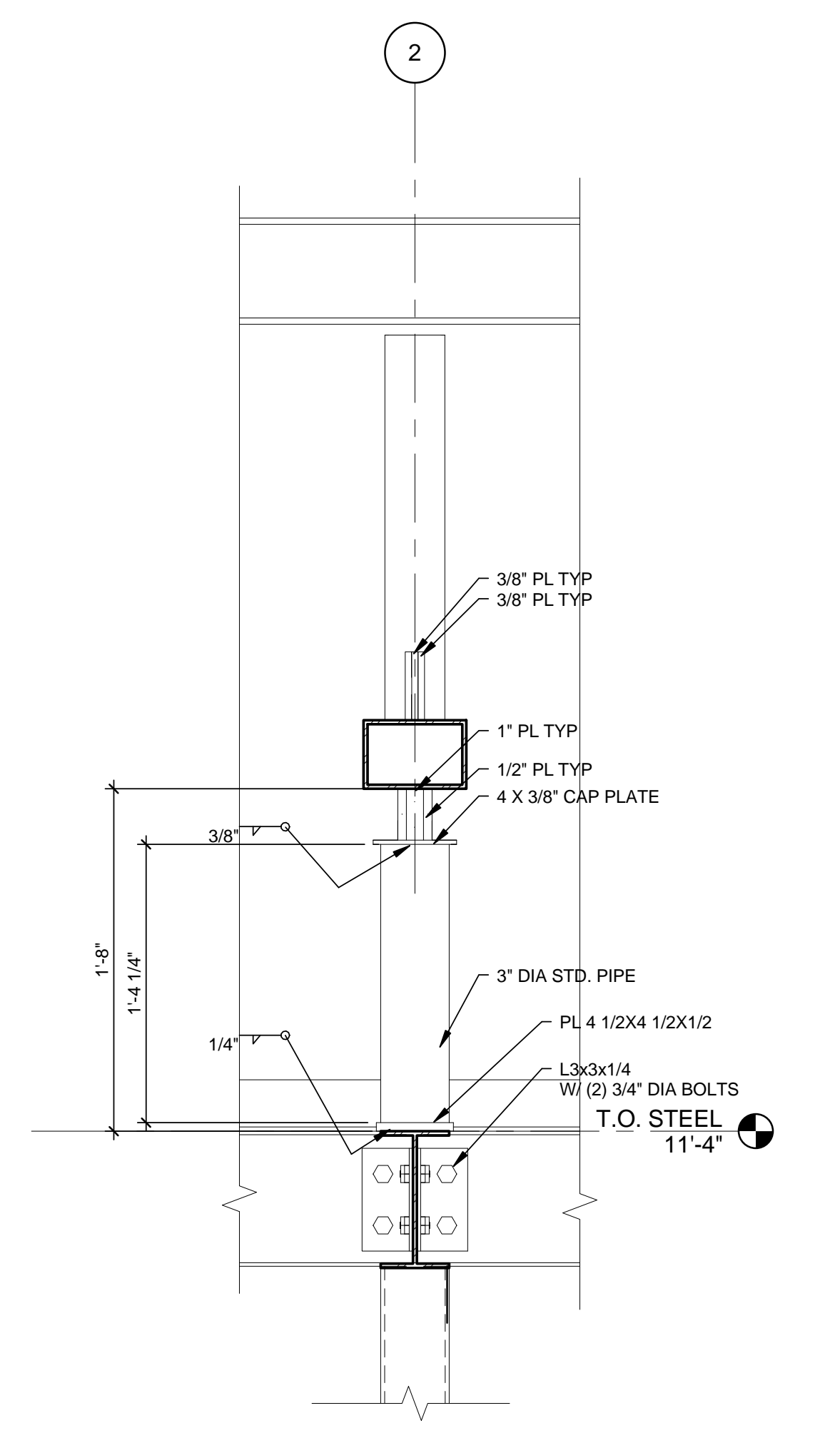
C3 CRANE ATTACHEMENT DETAIL 2
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A1 PV POST DETAIL
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A3 SOUTH ROOF CANTILEVER DETAIL
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A5 CRANE ATTACHEMENT DETAIL
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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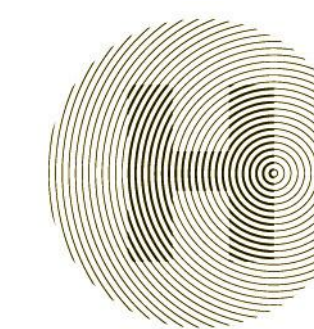
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SHEET TITLE
 SECTION DETAILS

S-512

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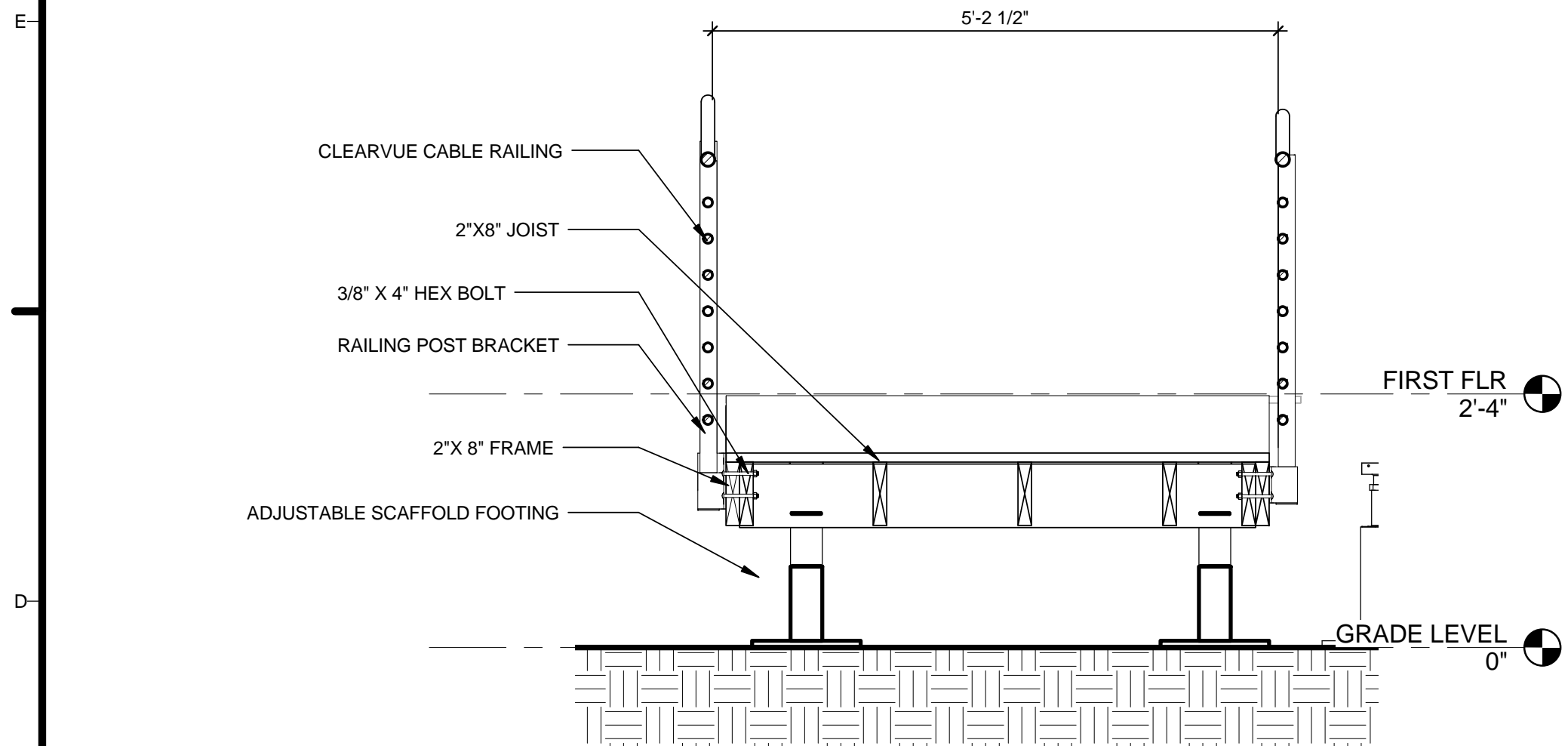
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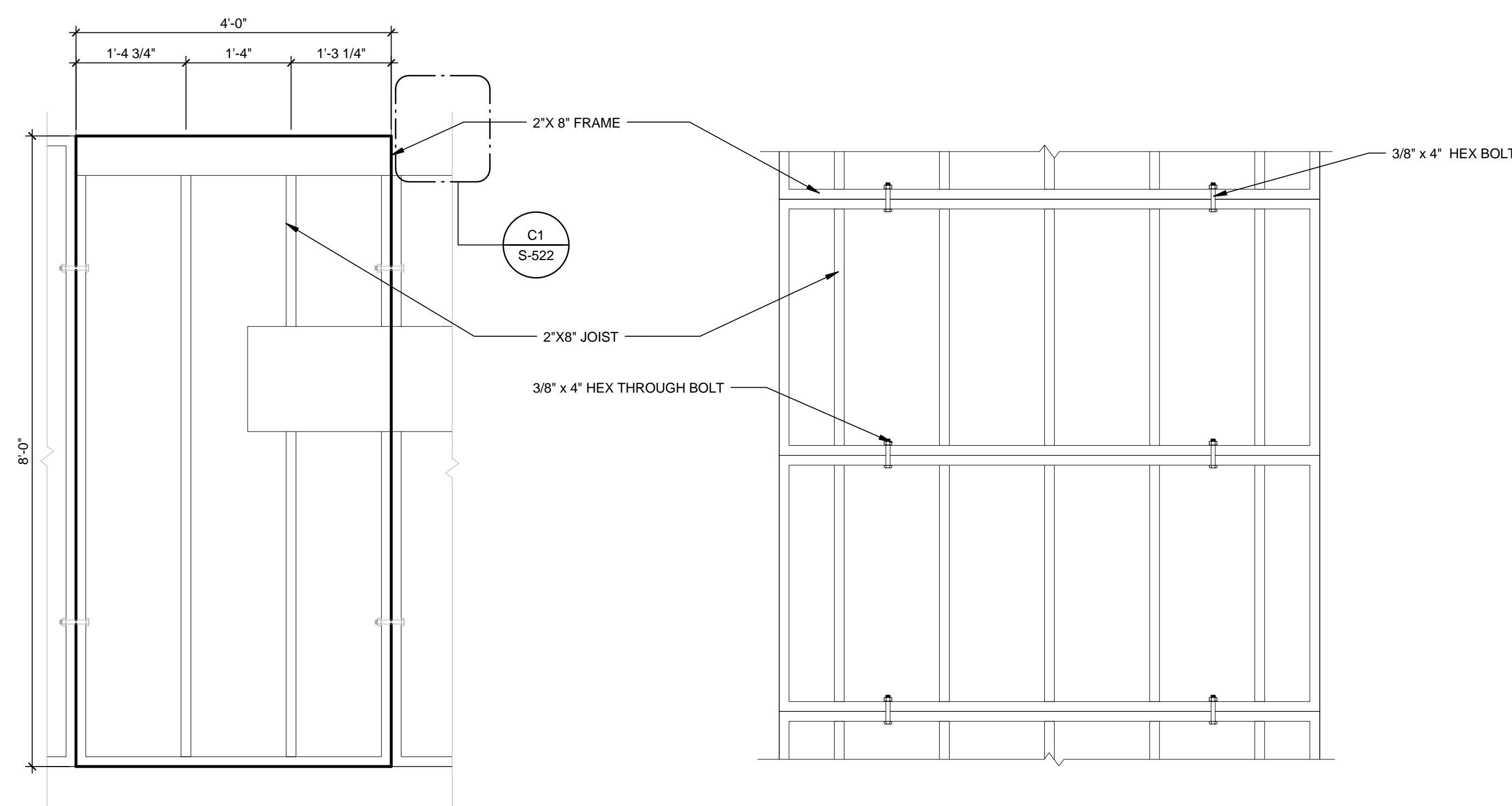
DECK CONNECTION
DETAILS

S-521

1 2 3 4 5 6 7

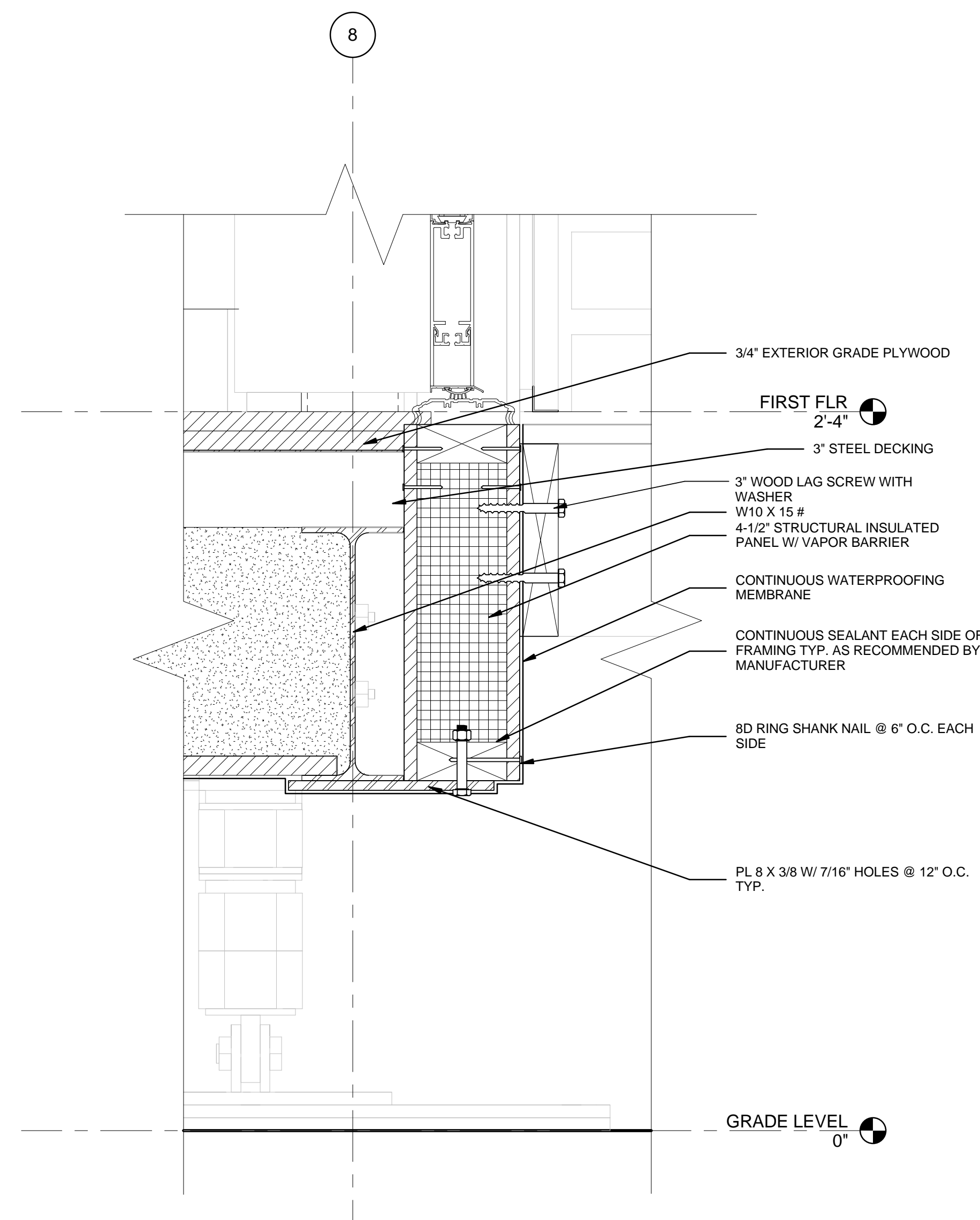


C1 RAILING ATTACHMENT
3/4" = 1'-0"

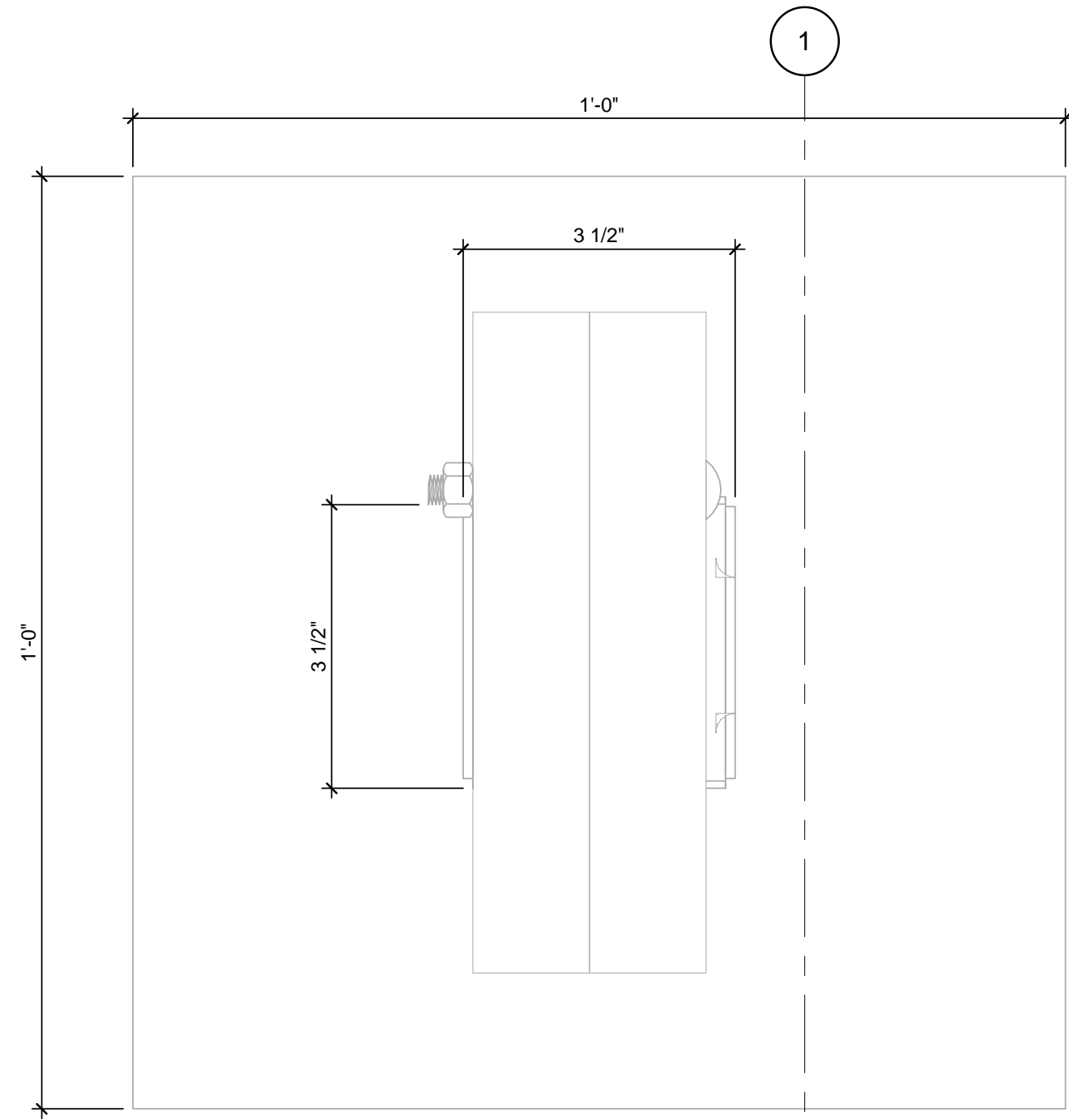


A1 TYP. DECK MODULE
3/4" = 1'-0"

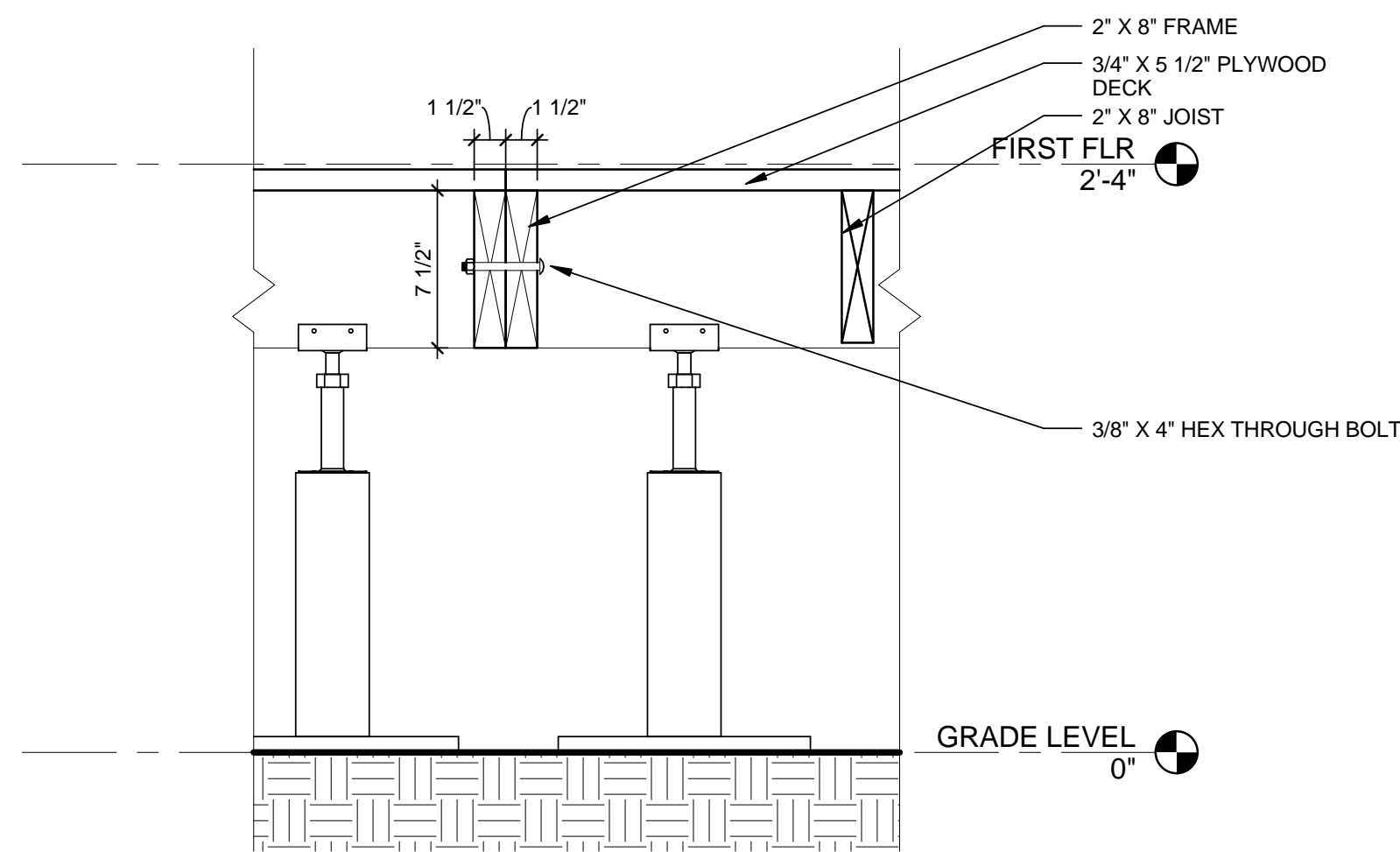
A3 DECK MODULE TO MODULE CONNECTION
3/4" = 1'-0"



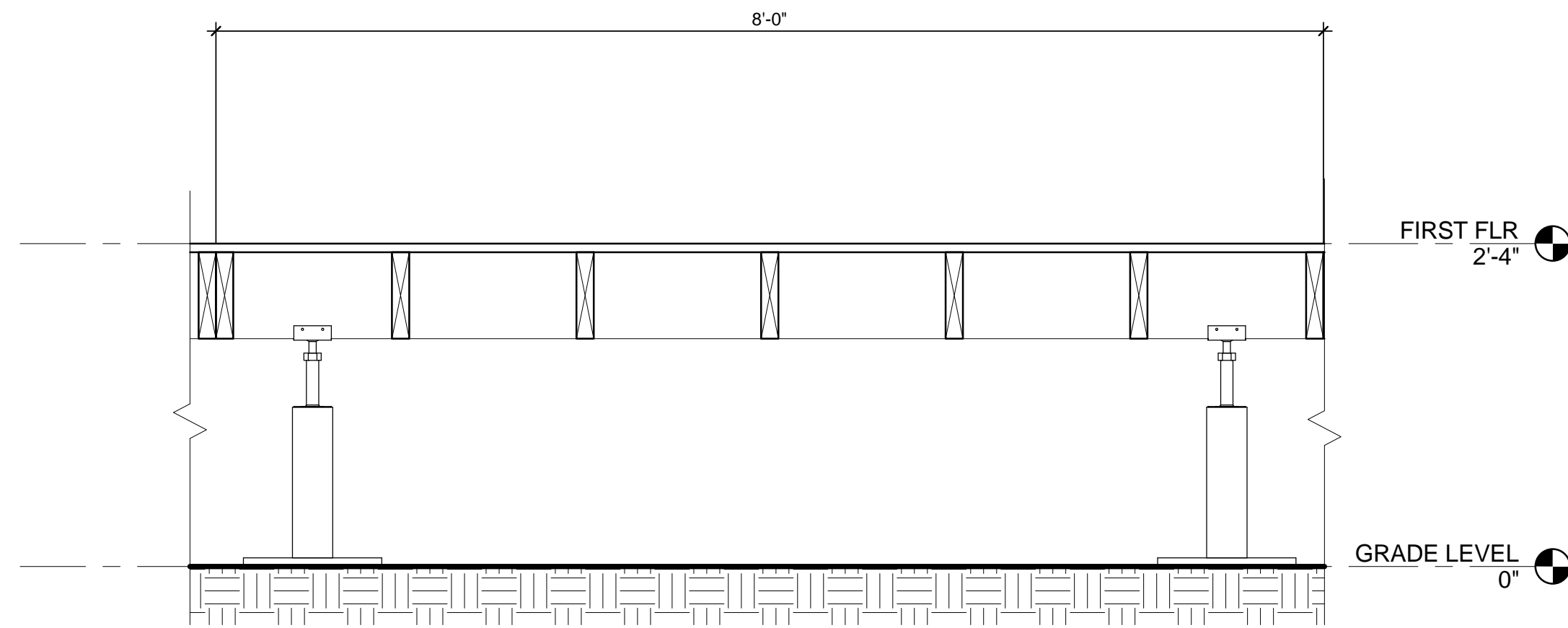
A5 DECK TO HOUSE CONNECTION
3" = 1'-0"



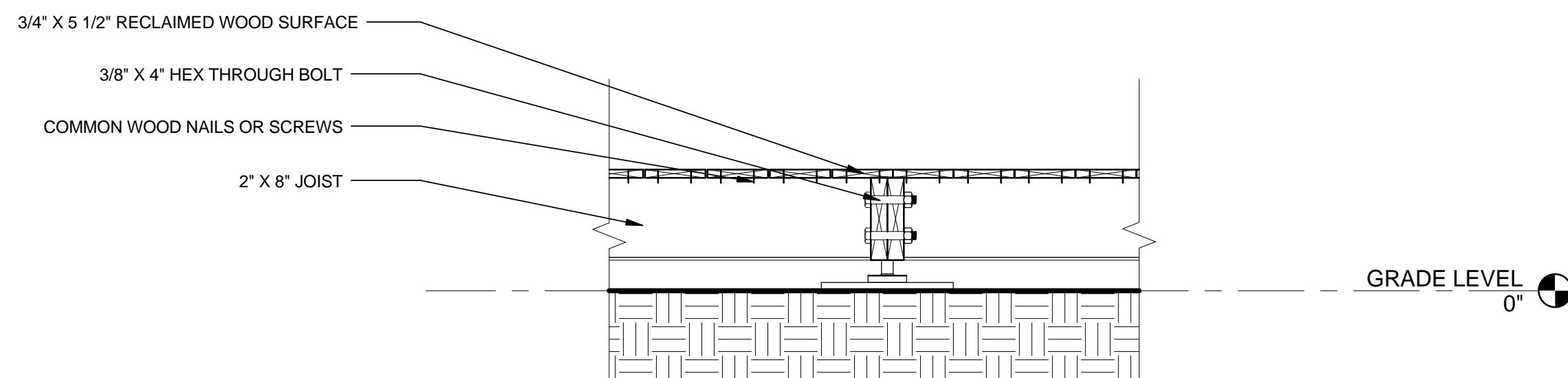
(C1) DECKING FOOTING PLAN
 6" = 1'-0"
 0 1" 2" 3" 4"



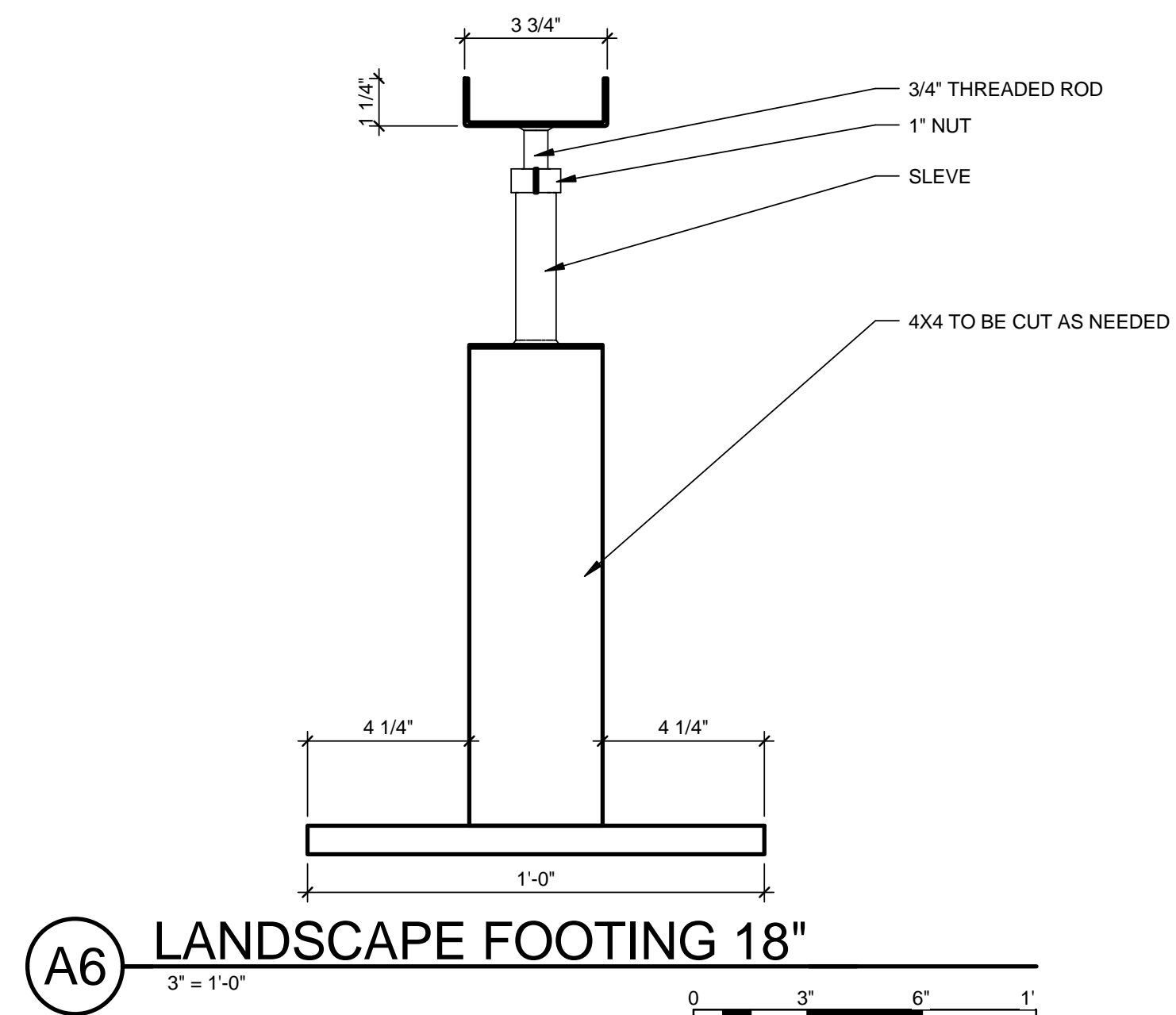
(B1) DECK MODULE CONNECTION
 1 1/2" = 1'-0"
 0 1/2" 1" 1 1/2"



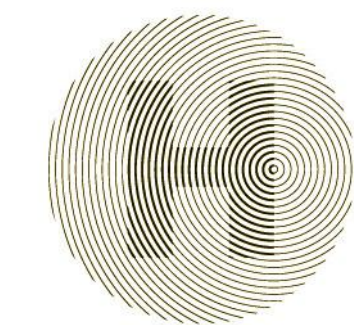
(C3) FOOTING ELEVATION
 1" = 1'-0"
 0 1/2" 1" 2"



(B4) DECK MODULE TO MODULE SECTION
 1" = 1'-0"
 0 1/2" 1" 2"



(A6) LANDSCAPE FOOTING 18"
 3" = 1'-0"
 0 3" 6" 1"



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SHEET TITLE

DECK FOOTING
 DETAILS

S-522




GENERAL SHEET NOTES

1/2" RADIUS AROUND EDGES OF OPENINGS IN BEAMS

REFERENCE KEYNOTES

SHEET KEYNOTES



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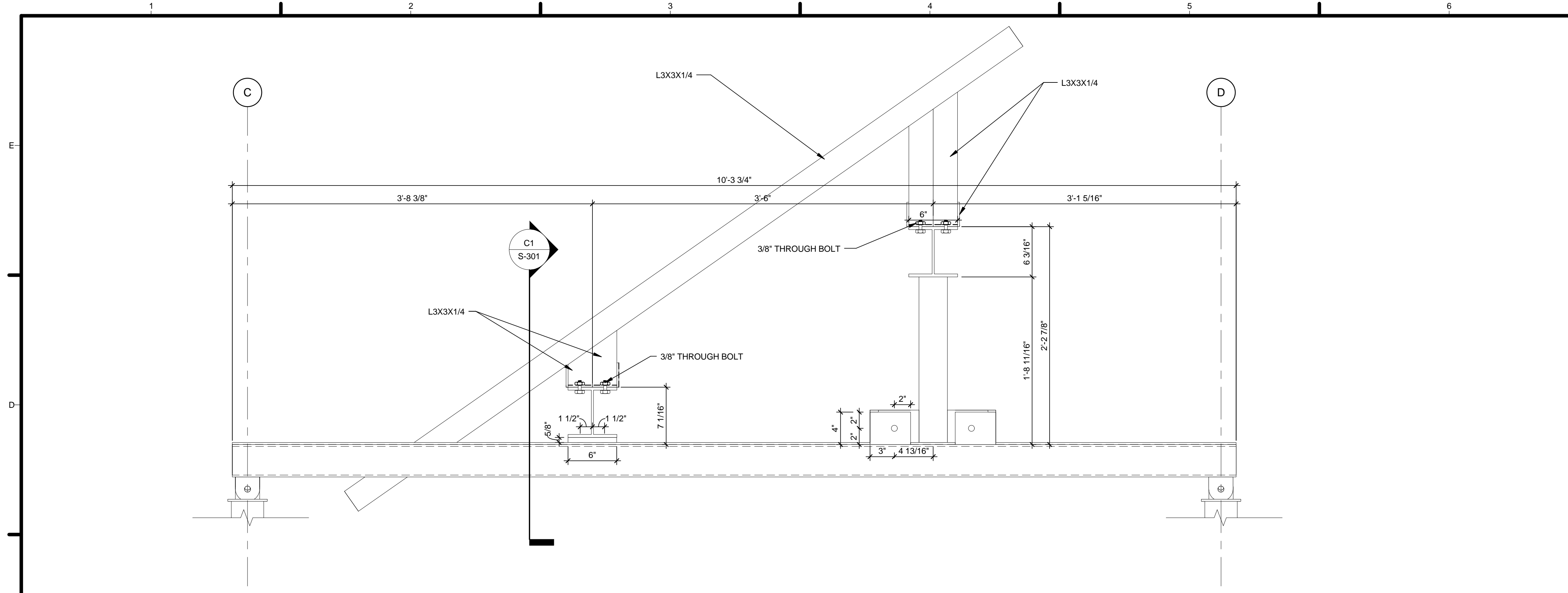
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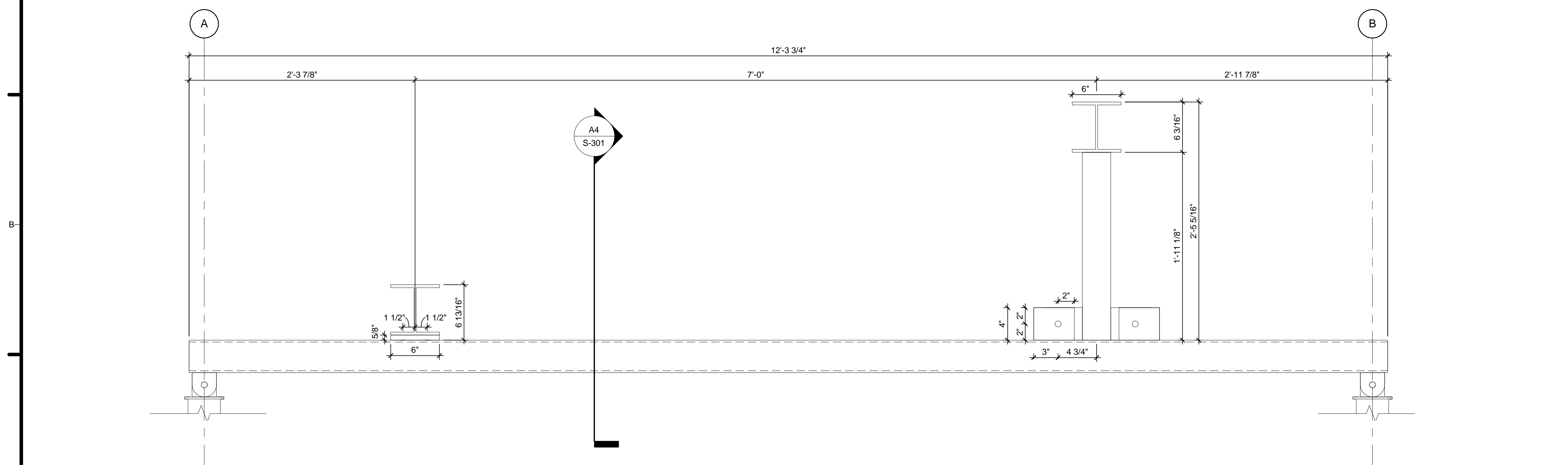
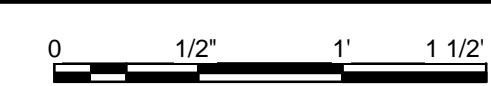
SHEET TITLE
BEAM OPENINGS

S-601

8/22/2013 4:48:11 PM



C1 MODULE B - PV STRUCTURAL MEMBER - NORTH/SOUTH
1 1/2" = 1'-0"



A1 MODULE A - PV STRUCTURAL MEMBER - NORTH/SOUTH
1 1/2" = 1'-0"



GENERAL SHEET NOTES

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SHEET TITLE

PV DETAILS

S-701



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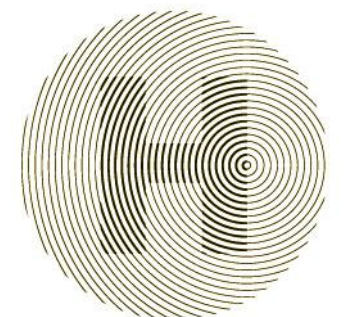
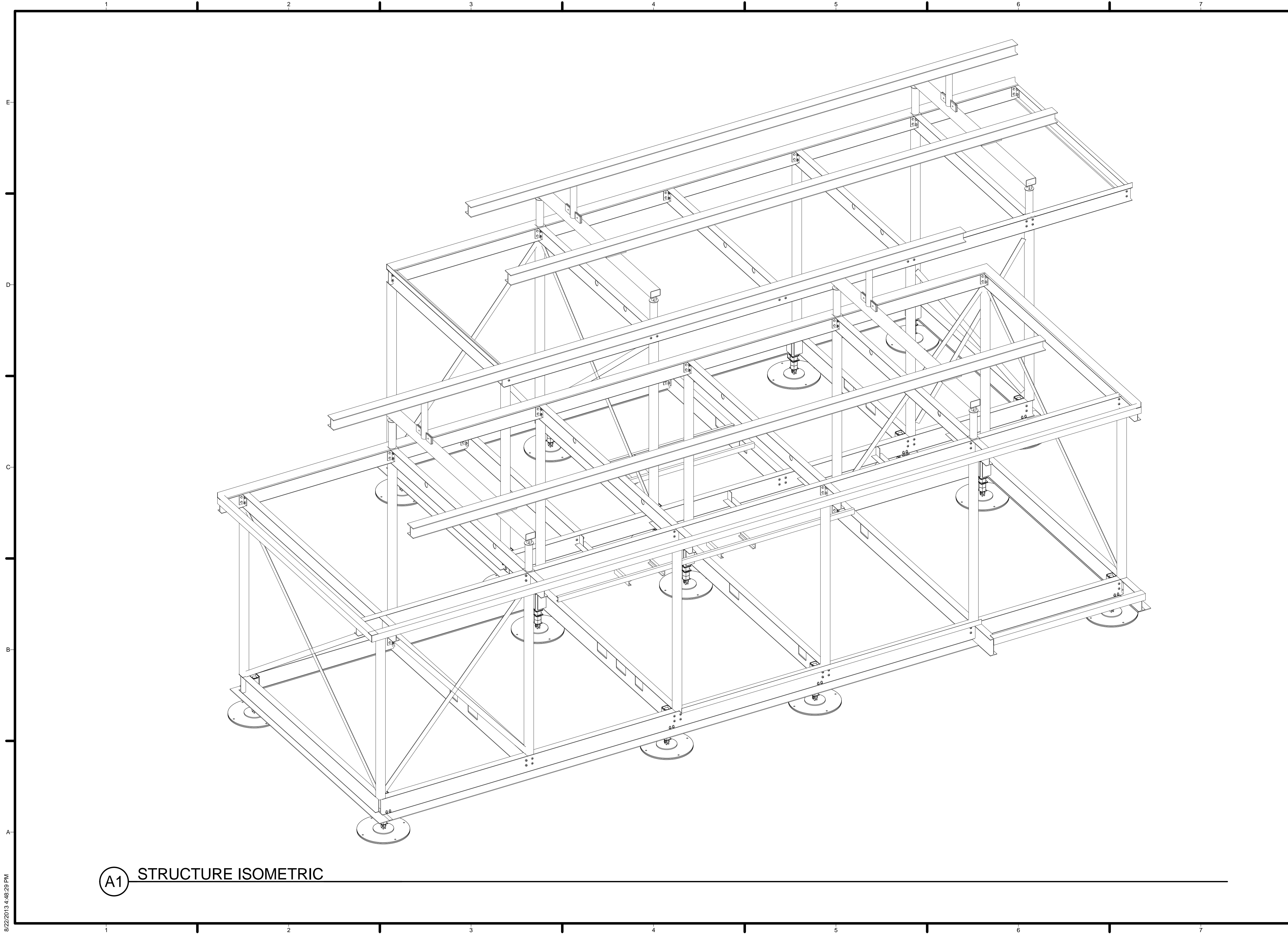
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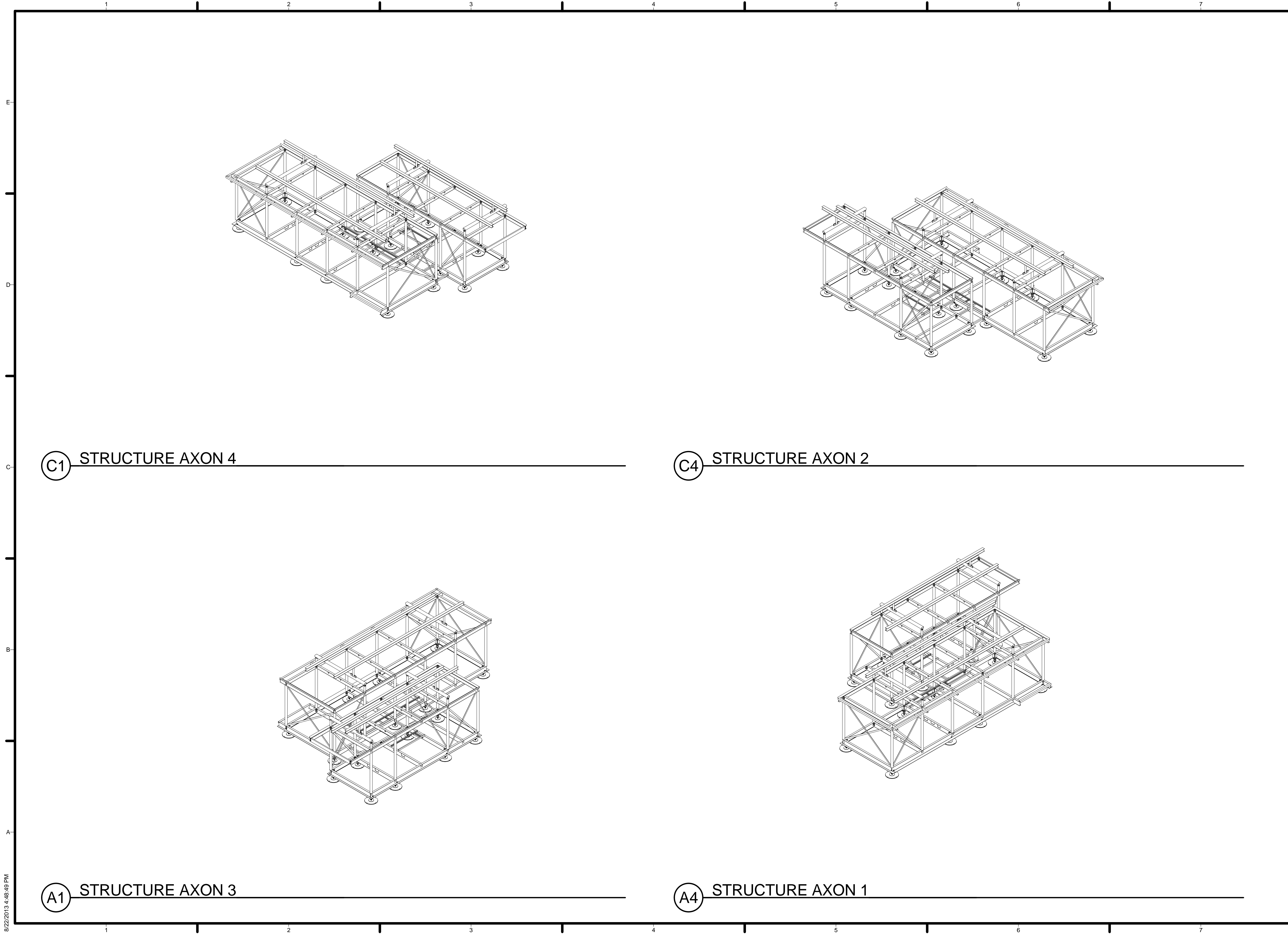
SHEET TITLE

FRAMING ISOMETRICS

S-901

A1 STRUCTURE ISOMETRIC

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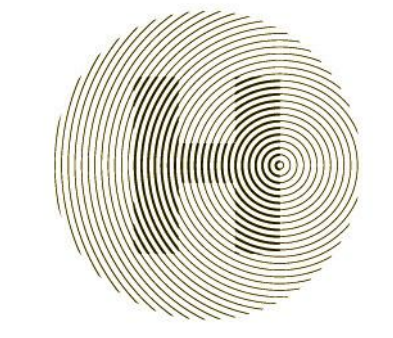
C1 STRUCTURE AXON 4

C4 STRUCTURE AXON 2

A1 STRUCTURE AXON 3

A4 STRUCTURE AXON 1

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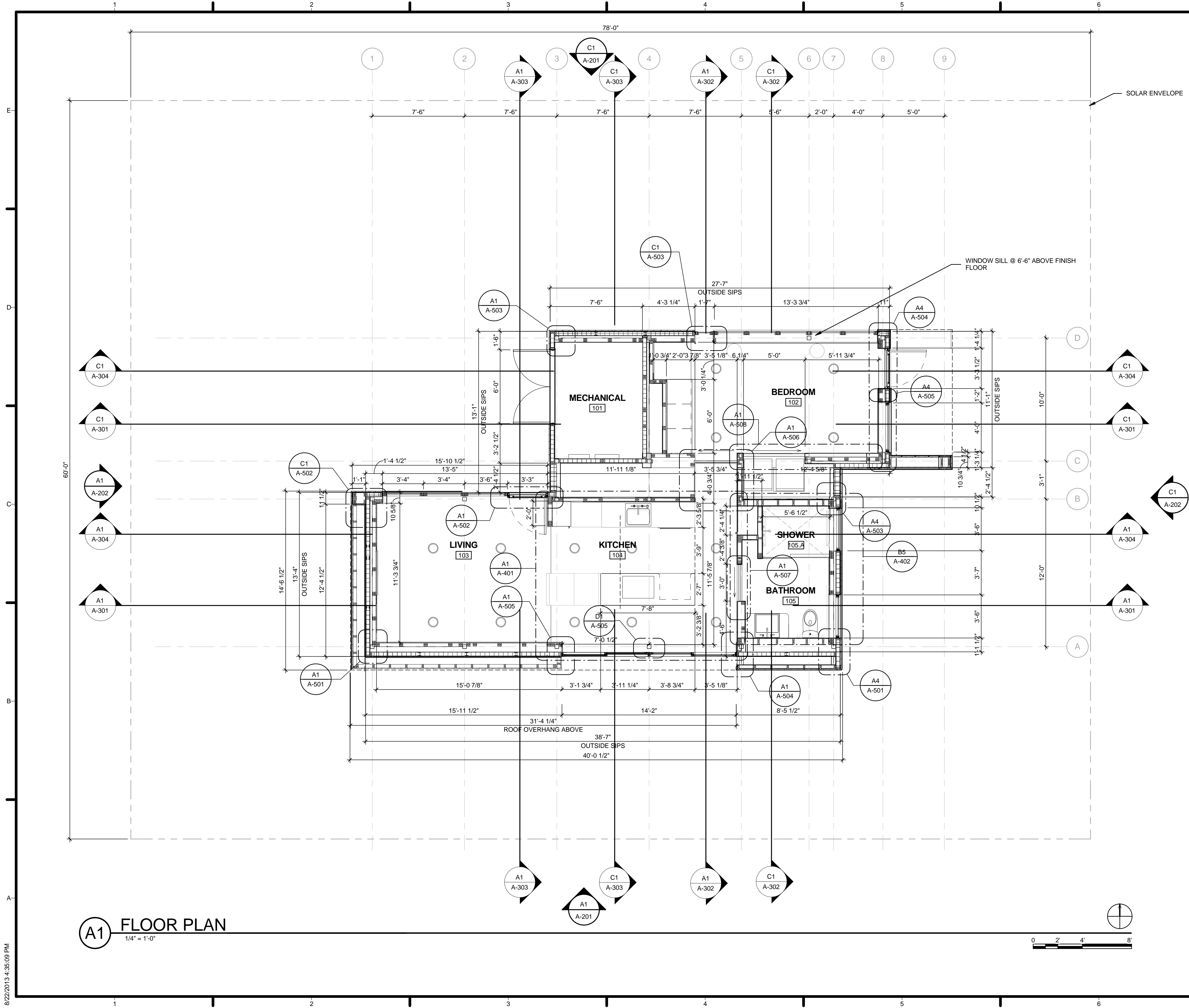


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SHEET TITLE
FRAMING ISOMETRICS

S-902




GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE S-101 FOR FOOTING PLAN

REFERENCE KEYNOTES

SHEET KEYNOTES

- | | |
|----|--|
| 21 | SOLAR ENVELOPE |
| 31 | WINDOW SILL @ 6'-6" ABOVE FINISH FLOOR |



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SHEET TITLE
FLOOR PLAN

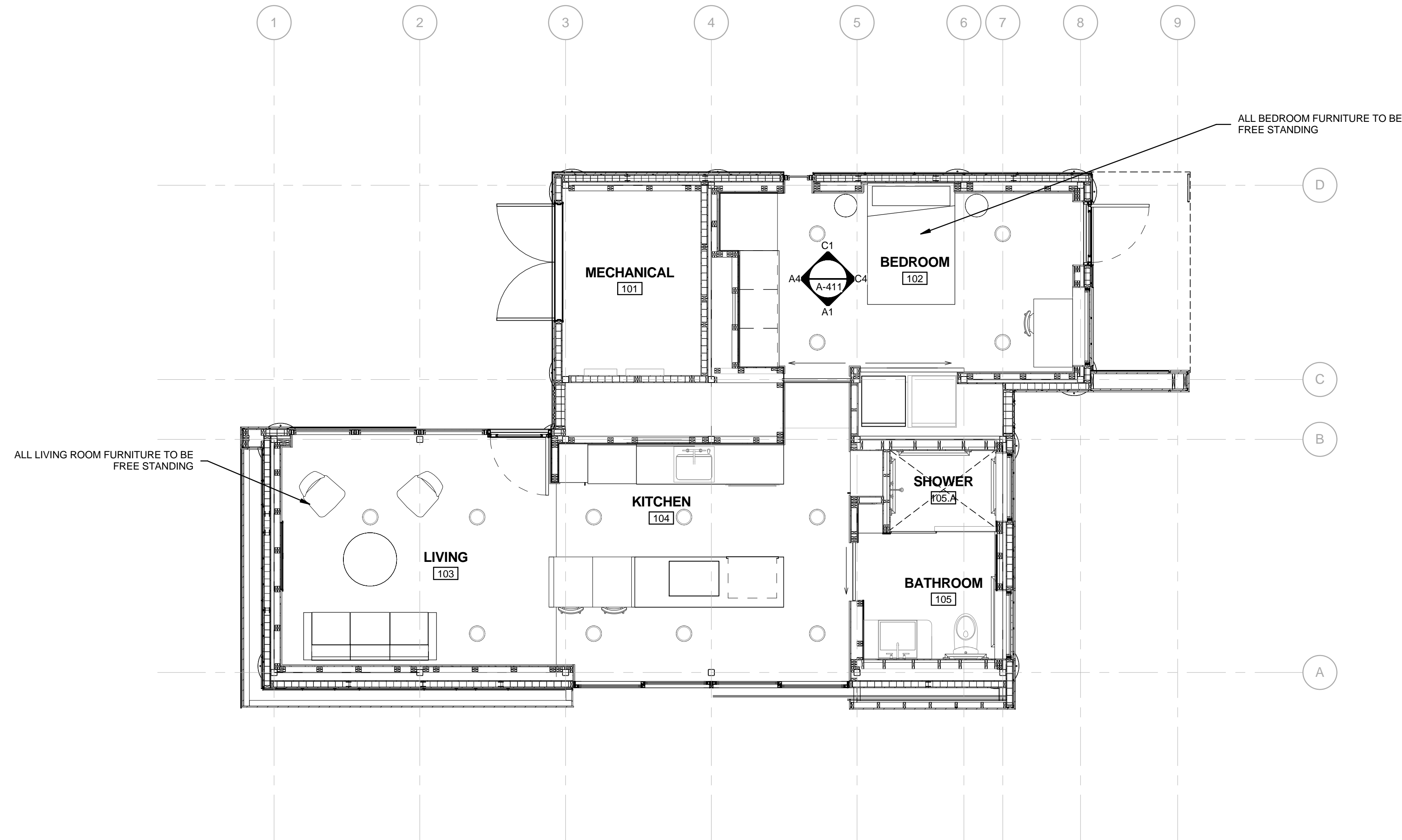
A-101

8/22/2013 4:35:09 PM

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



ROOM NO	ROOM NAME	FINISH				CEILING HEIGHT	COMMENTS	Area
		FLOOR	BASE	WALL	CEILING			
101	MECHANICAL	EXPOSED	EXPOSED	EXPOSED	EXPOSED	EXPOSED		67 SF
102	BEDROOM	RECLAIMED OAK	4" WIDE BY 3/4" BASE PLATE	SHERWIN WILLIAMS (GYB BD. EXTRA WHITE)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		163 SF
103	LIVING	RECLAIMED OAK	4" WIDE BY 3/4" BASE PLATE	SHERWIN WILLIAMS (GYB BD. EXTRA WHITE)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		160 SF
104	KITCHEN	RECLAIMED OAK	4" WIDE BY 3/4" BASE PLATE	SHERWIN WILLIAMS (GYB BD. EXTRA WHITE)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		204 SF
105	BATHROOM	FLORIDA TILES	4" WIDE BY 3/4" BASE PLATE	KEYSTONE PROGETTO CASA, OYSTER)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		47 SF
105.A	SHOWER	FLORIDA TILES	N/A	KEYSTONE PROGETTO CASA, OYSTER)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	7'-0"		23 SF



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

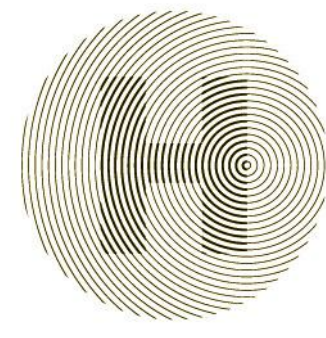
GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES

- 07 ALL LIVING ROOM FURNITURE TO BE FREE STANDING
- 08 ALL BEDROOM FURNITURE TO BE FREE STANDING



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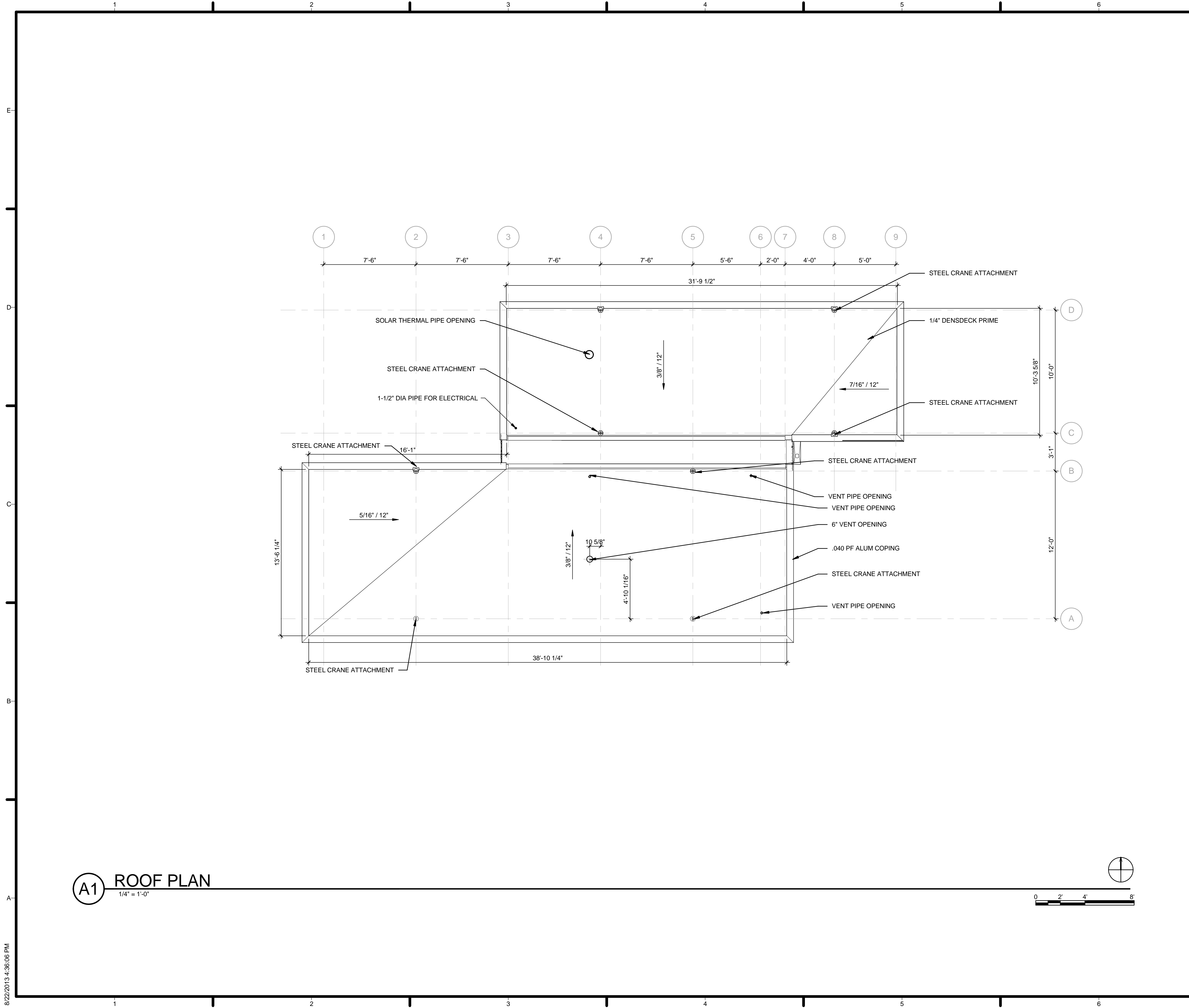


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SHEET TITLE
FINISH & FURNITURE PLAN

A-102



GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. PHOTOVOLTAIC ARRAY TO BE SECURED ON ROOF WITH RACK MOUNTING SYSTEM AS PROVIDED BY PV CONSULTANT

REFERENCE KEYNOTES

05 12 23.D1	STEEL CRANE ATTACHMENT
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4\" DENSDECK PRIME

SHEET KEYNOTES

22	SOLAR THERMAL PIPE OPENING
23	VENT PIPE OPENING
90	6\" VENT OPENING



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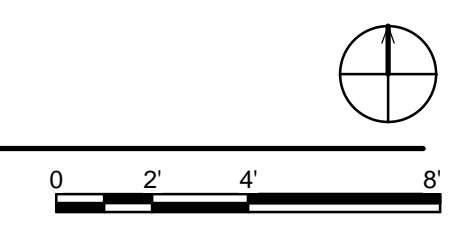
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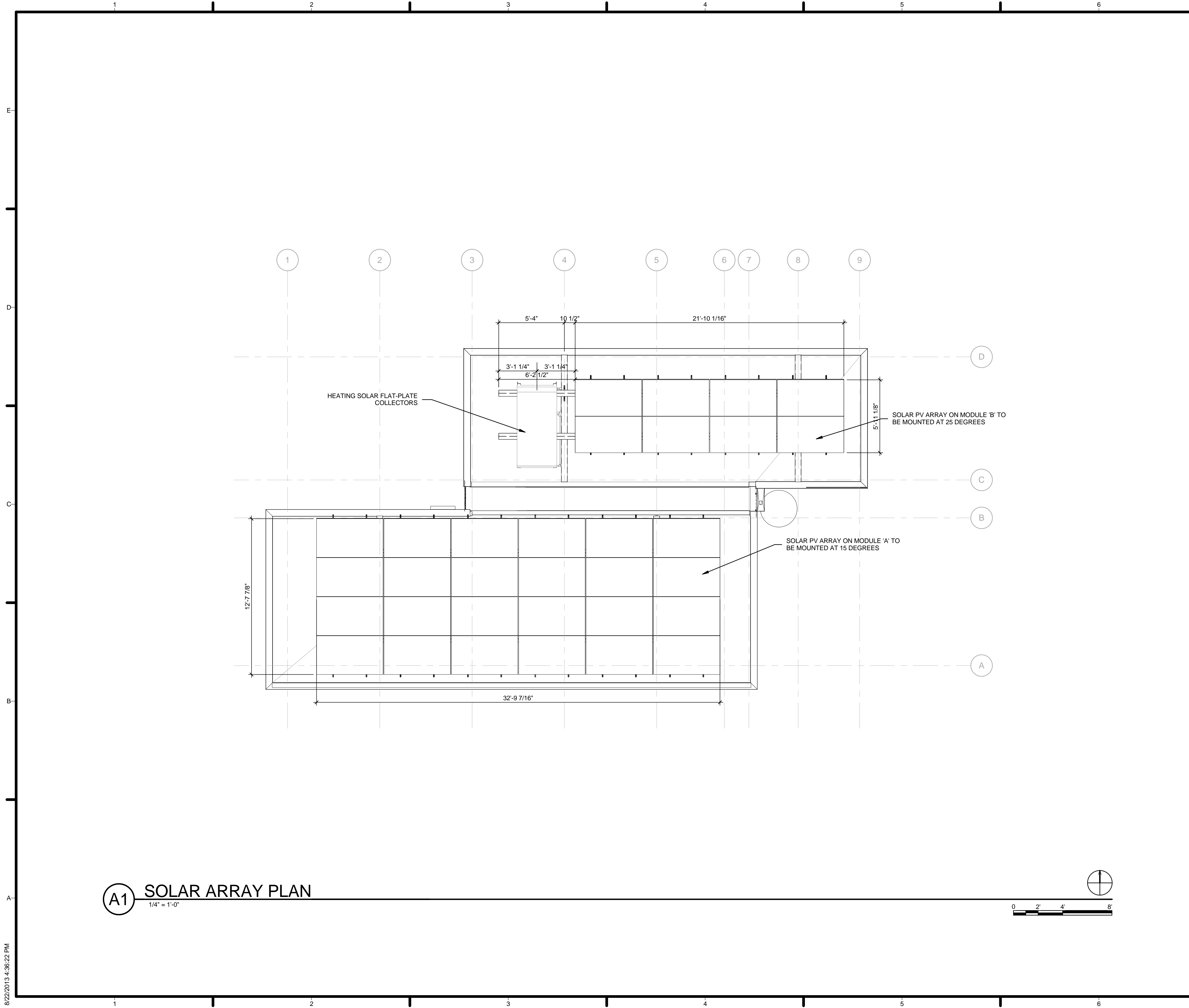
SHEET TITLE
ROOF PLAN

A-111

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



8/22/2013 4:36:06 PM



GENERAL SHEET NOTES


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2. PHOTOVOLTAIC ARRAY TO BE SECURED ON ROOF WITH RACK MOUNTING SYSTEM AS PROVIDED BY PV CONSULTANT

REFERENCE KEYNOTES

23 56 13.13 HEATING SOLAR FLAT-PLATE COLLECTORS

SHEET KEYNOTES

- | | |
|----|--|
| 25 | SOLAR PV ARRAY ON MODULE 'A' TO BE MOUNTED AT 15 DEGREES |
| 26 | SOLAR PV ARRAY ON MODULE 'B' TO BE MOUNTED AT 25 DEGREES |



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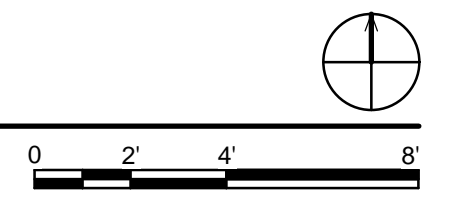
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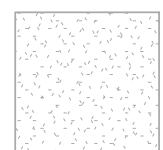









SHEET TITLE
PV ARRAY PLAN

A-112

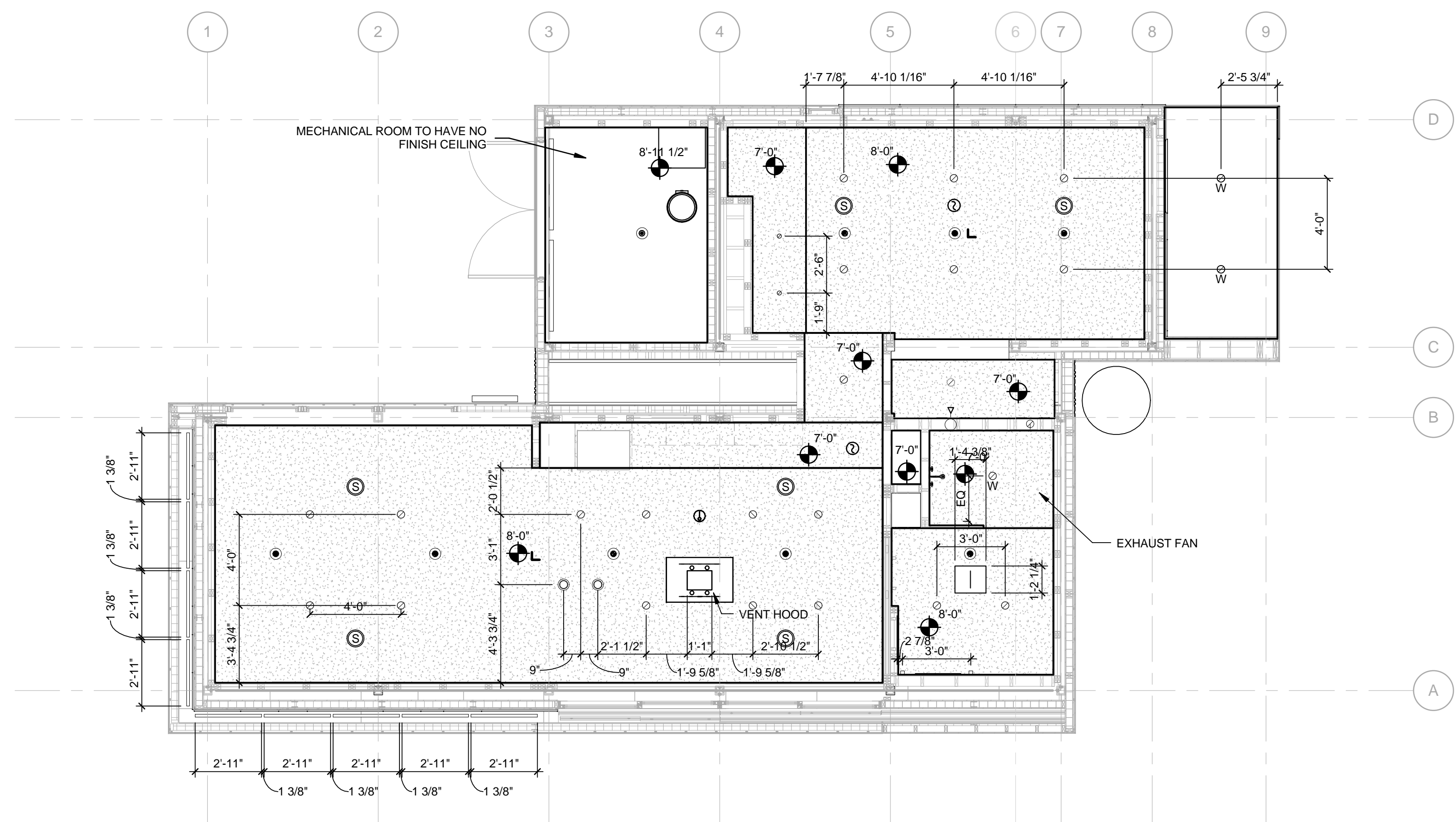
A1 SOLAR ARRAY PLAN
 1/4" = 1'-0"



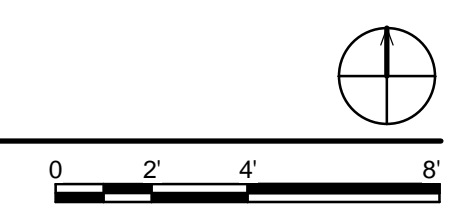
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RCP LEGEND					
MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION
	GYPSUM BOARD		EXTERIOR SCONCE LIGHT FIXTURE		STRIP LIGHT FIXTURE
	SPOT ELEVATION TAG		RECESSED CAN LIGHT FIXTURE (W DENOTES WET LOCATION FIXTURE)		LOW PROFILE TASK LIGHT FIXTURE
	SPEAKER		SMOKE DETECTOR		HEAT DETECTOR
	LIGHT SENSOR				

NOTE: SEE ELECTRICAL PLANS FOR LIGHTING & FIRE PROTECTION SPECIFICATIONS. DRAWING FOR COORDINATION ONLY



A1 REFLECTED CEILING PLAN
1/4" = 1'-0"



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES

- 27 MECHANICAL ROOM TO HAVE NO FINISH CEILING
- 28 UNDERCABINET LIGHTS TO BE LOCATED IN KITCHEN
- 29 FIXTURE TO BE WALL MOUNTED
- 32 WEB CAMERA HOUSING



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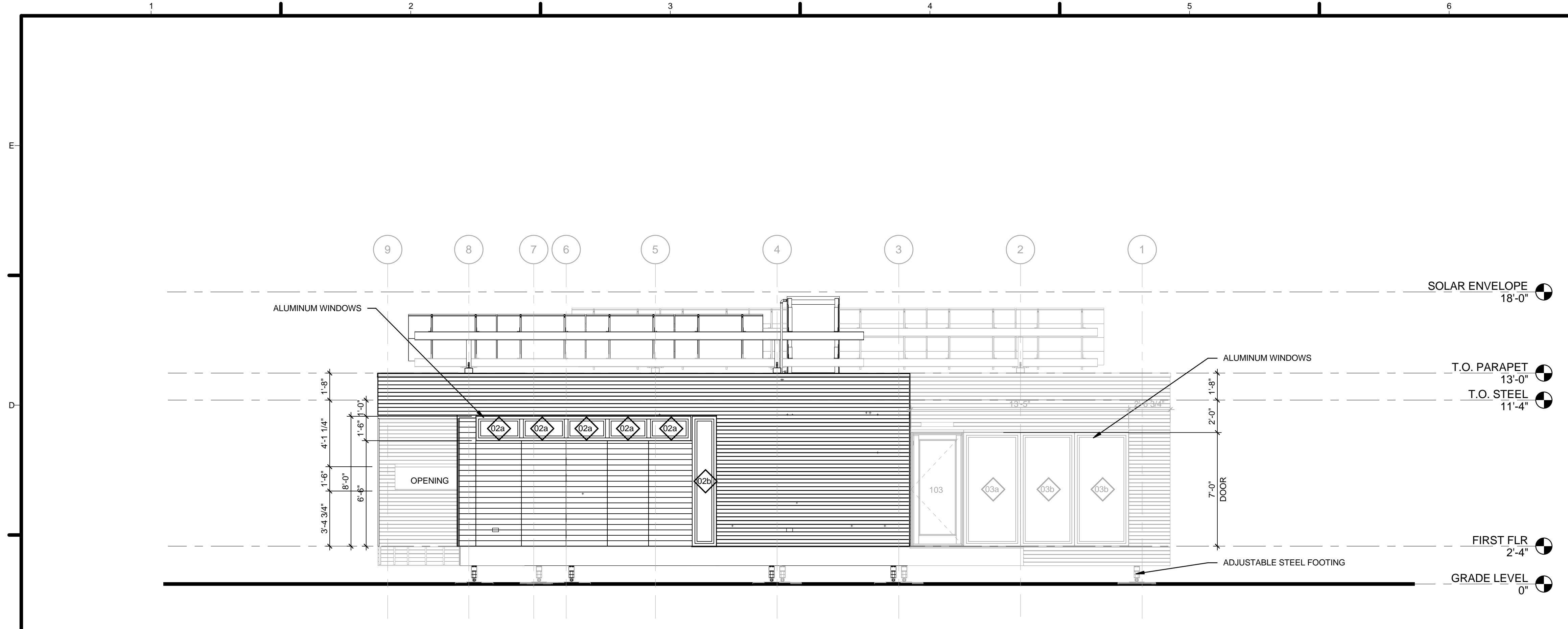


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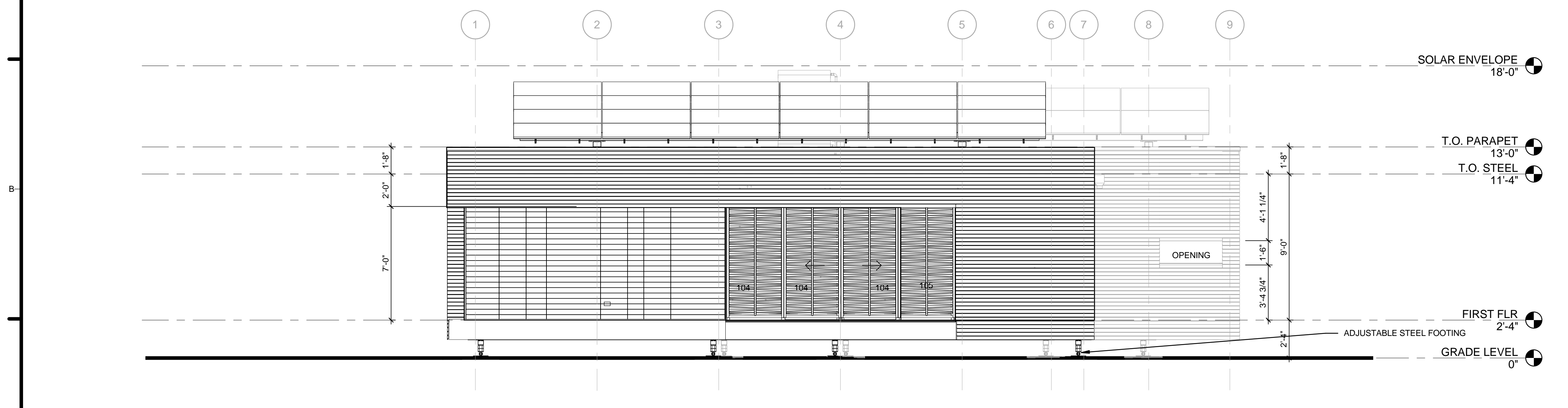
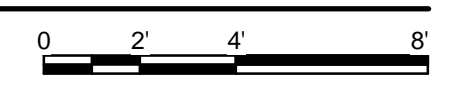
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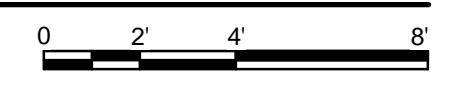
A-121



C1 NORTH ELEVATION
1/4" = 1'-0"



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




GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

05 12 23.E1 ADJUSTABLE STEEL FOOTING
08 51 13 ALUMINUM WINDOWS

SHEET KEYNOTES



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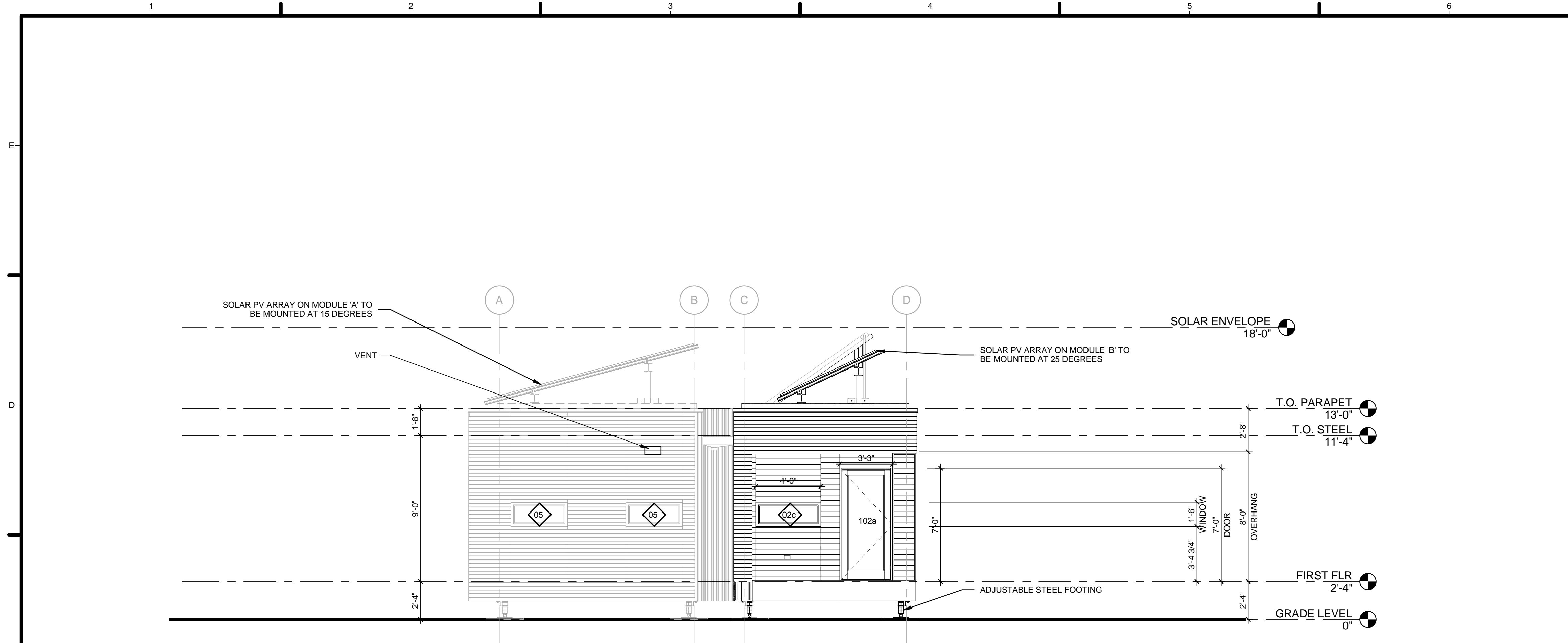


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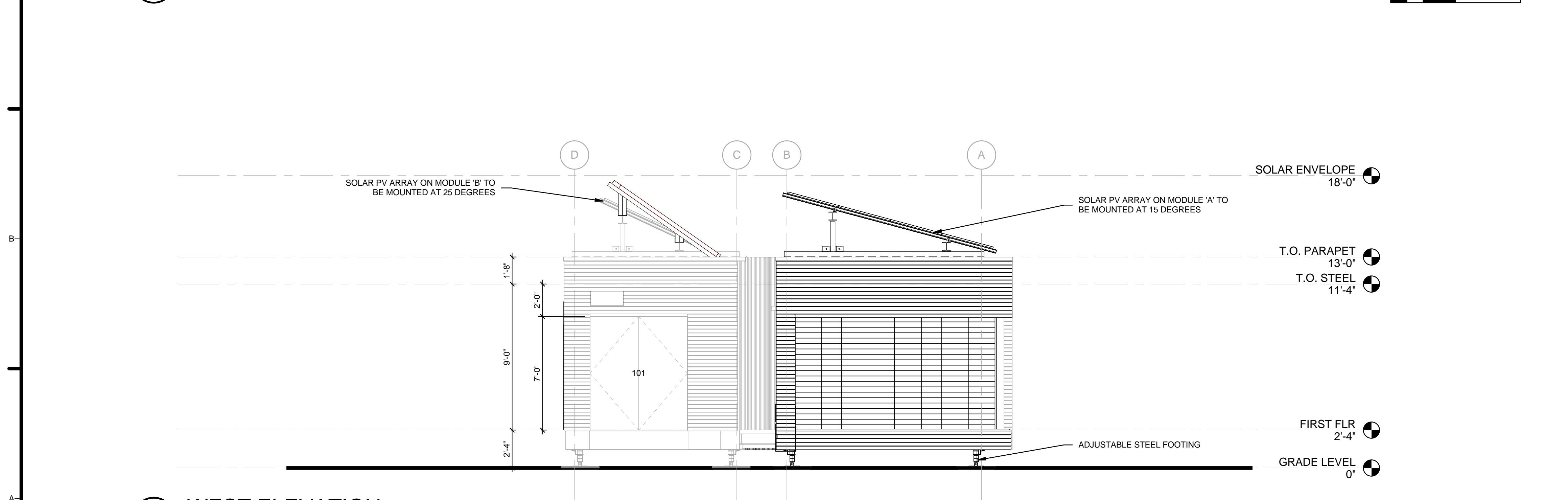
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SHEET TITLE
BUILDING ELEVATIONS

A-201



C1 EAST ELEVATION
1/4" = 1'-0"



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

GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

- 05 12 23.E1 ADJUSTABLE STEEL FOOTING

SHEET KEYNOTES

- 25 SOLAR PV ARRAY ON MODULE 'A' TO BE MOUNTED AT 15 DEGREES
- 26 SOLAR PV ARRAY ON MODULE 'B' TO BE MOUNTED AT 25 DEGREES



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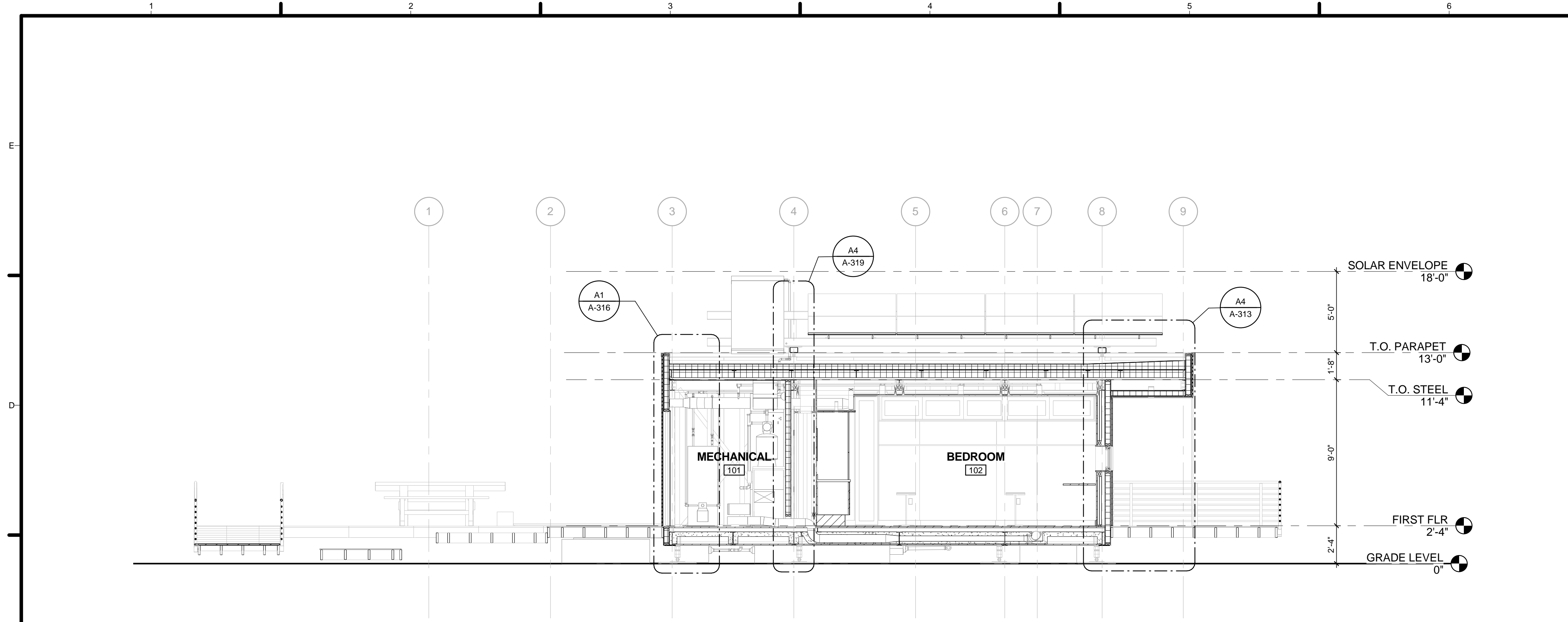


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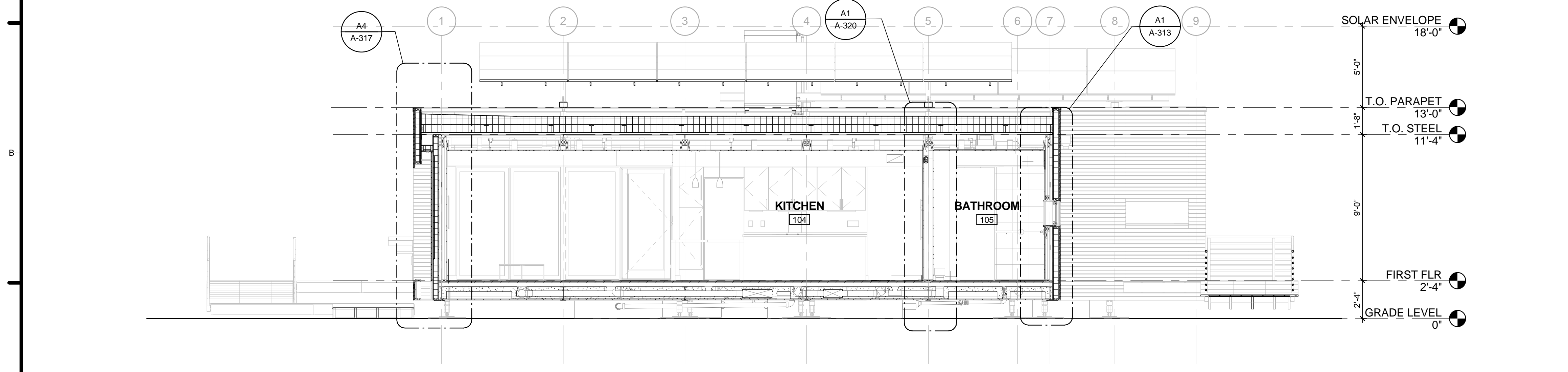
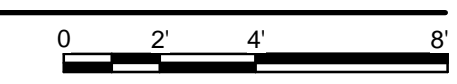
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SHEET TITLE
BUILDING ELEVATIONS

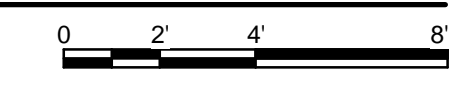
A-202



C1 MODULE B - BEDROOM SECTION
1/4" = 1'-0"



A1 MODULE A - MAIN SECTION
1/4" = 1'-0"




GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES



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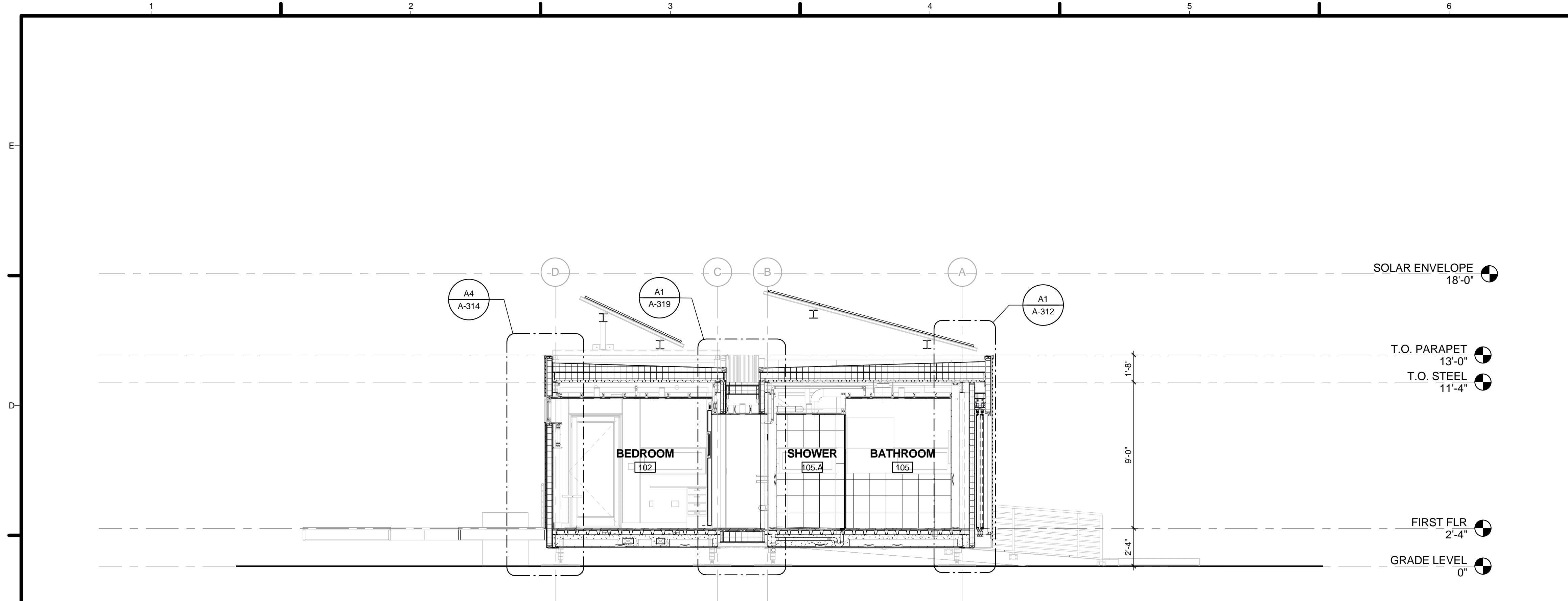


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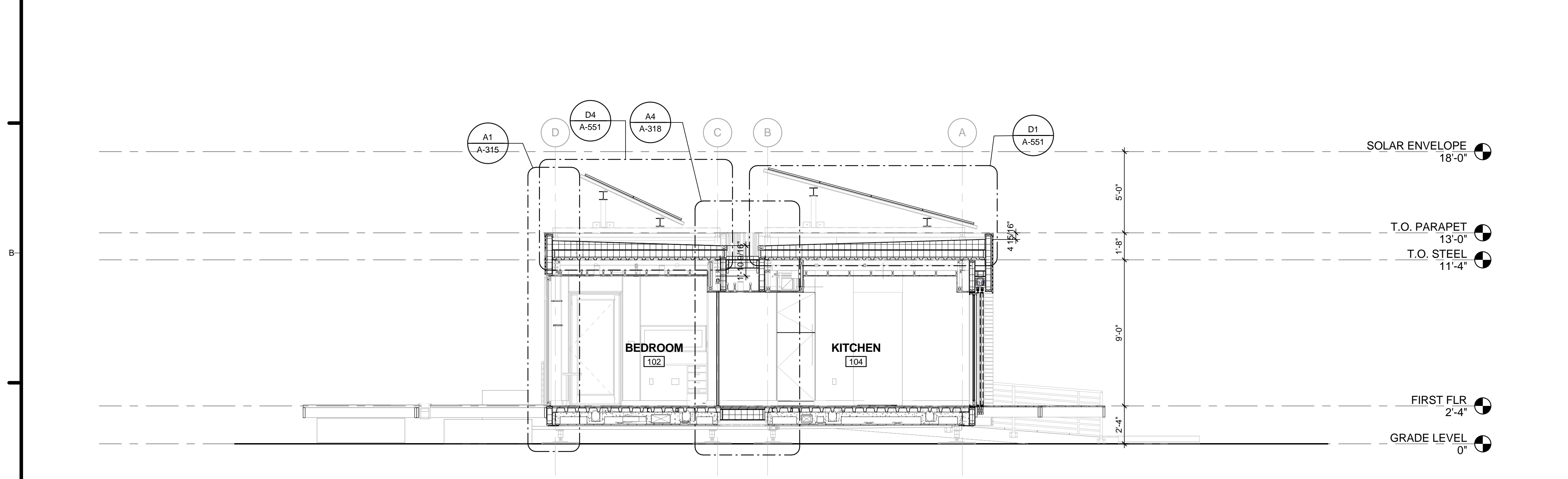
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SHEET TITLE
BUILDING SECTIONS

A-301



C1 MODULE A/B - BEDROOM/BATHROOM SECTION
1/4" = 1'-0"



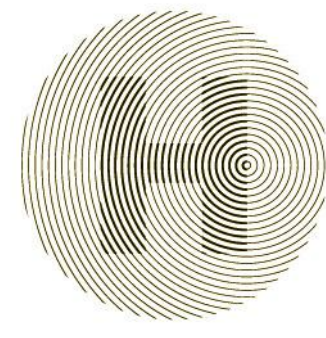
A1 MODULE A/B - CORRIDOR SECTION
1/4" = 1'-0"

GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES



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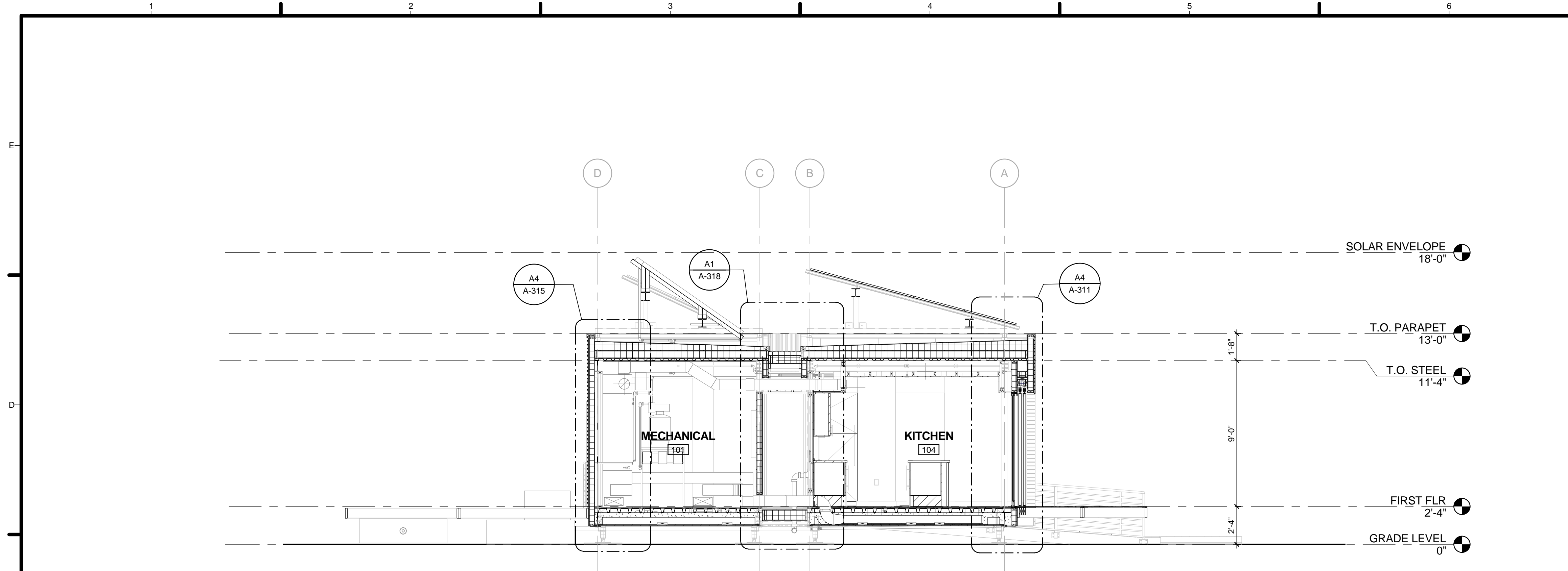
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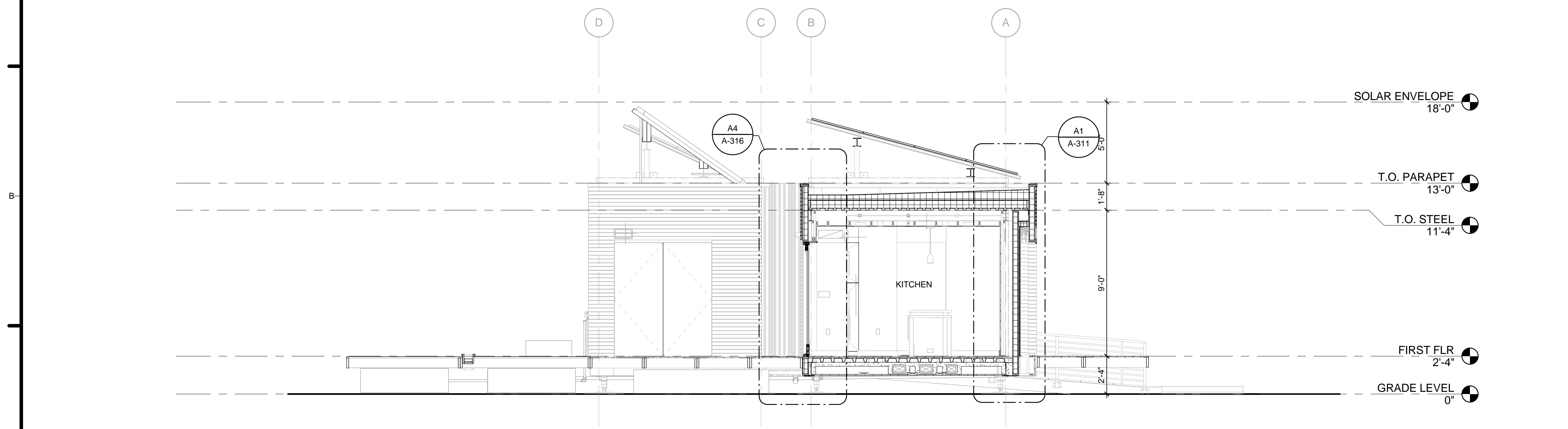
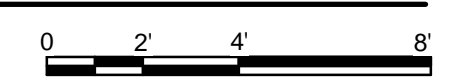
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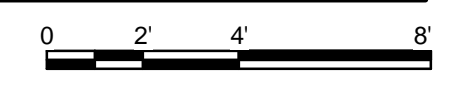
A-302



C1 MODULE A/B - MECHANICAL/KITCHEN SECTION
1/4" = 1'-0"



A1 MODULE A - ENTRY SECTION
1/4" = 1'-0"




GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES



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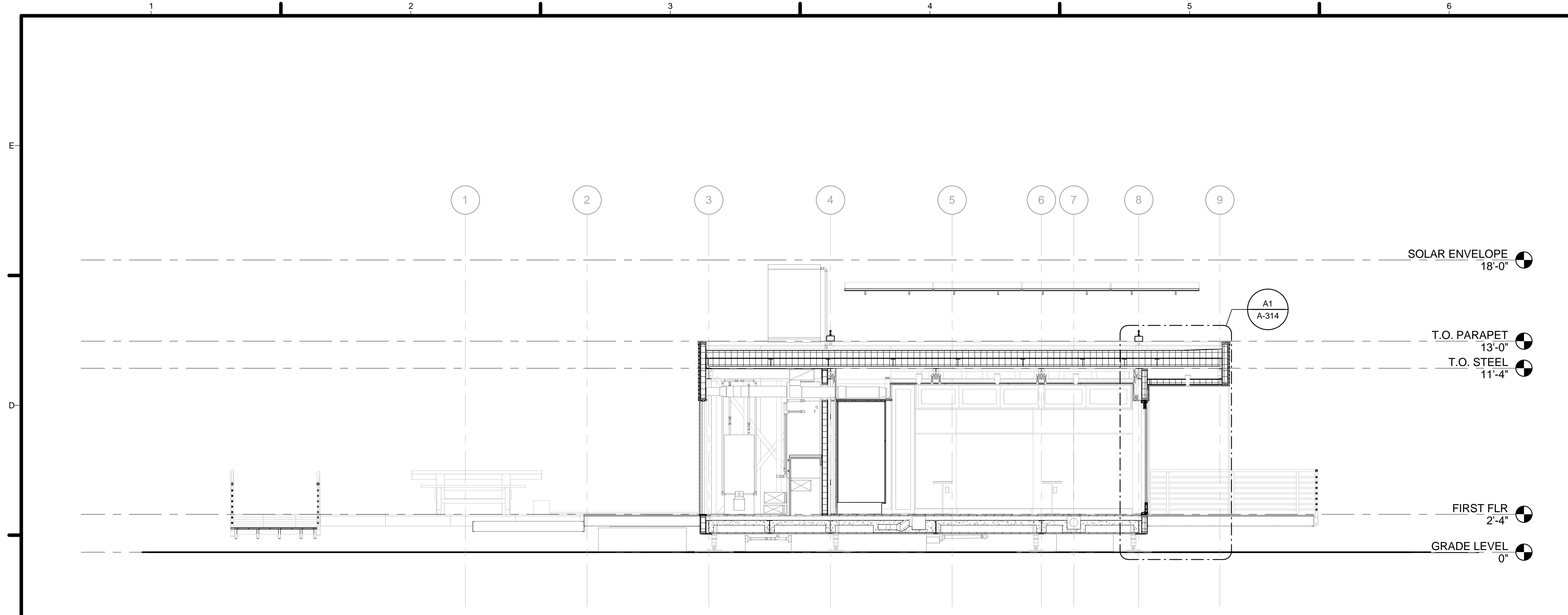


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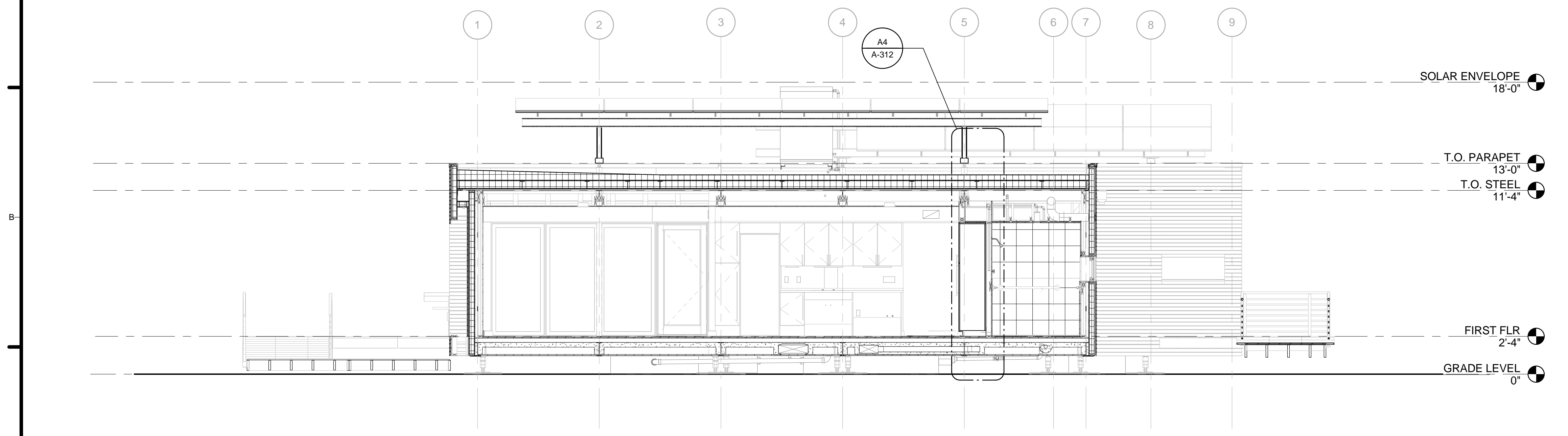
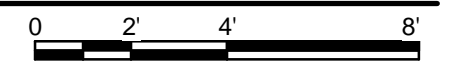
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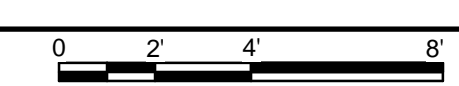
A-303



C1 BEDROOM/MECHANICAL SECTION
1/4" = 1'-0"



A1 PANTRY/LIVING ROOM SECTION
1/4" = 1'-0"



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES



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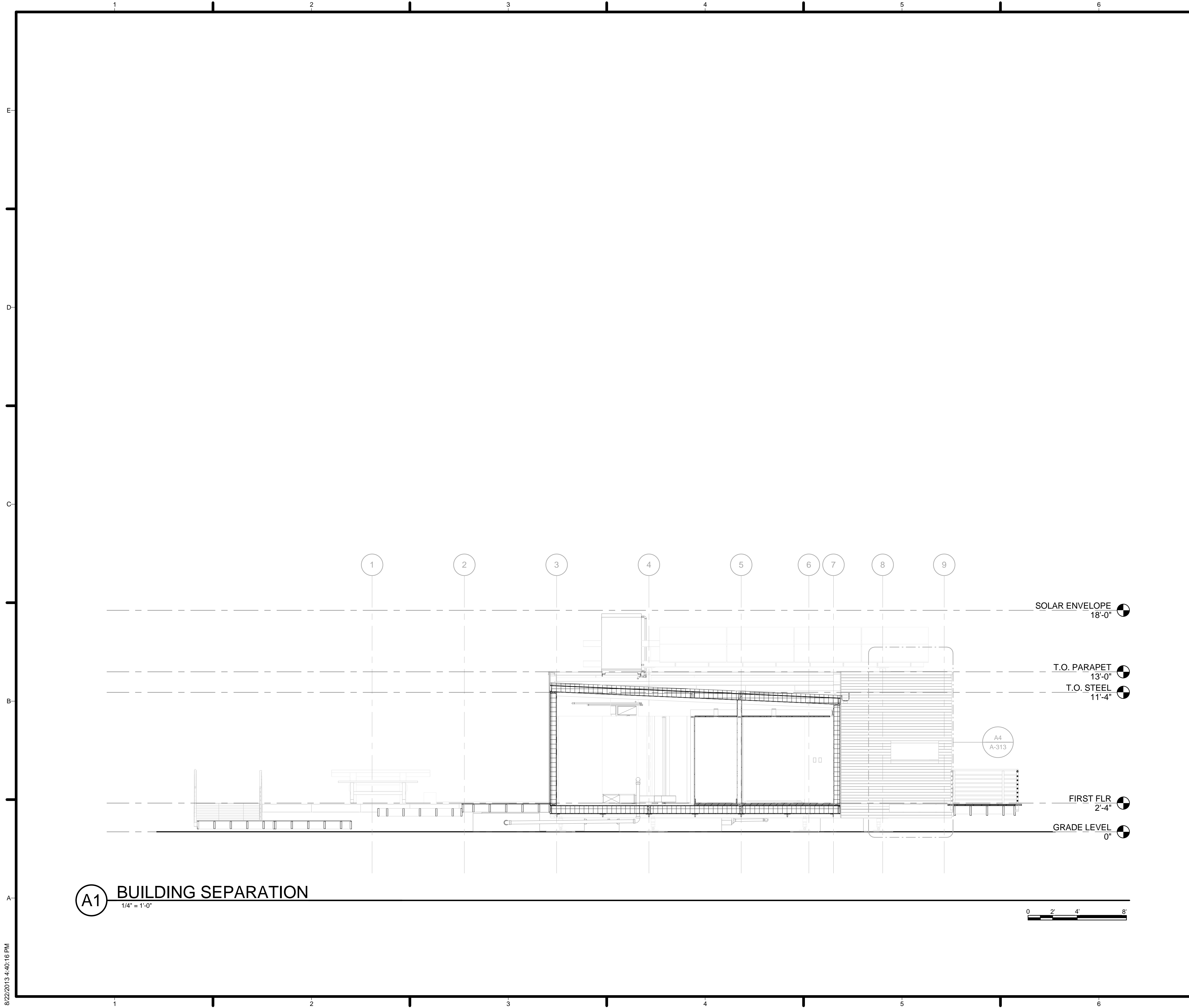


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BUILDING SECTIONS

A-304

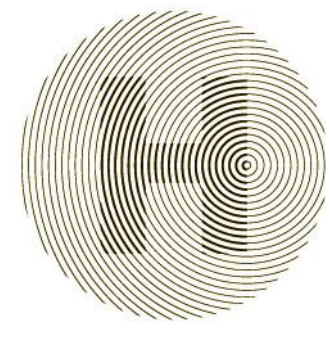


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SHEET KEYNOTES



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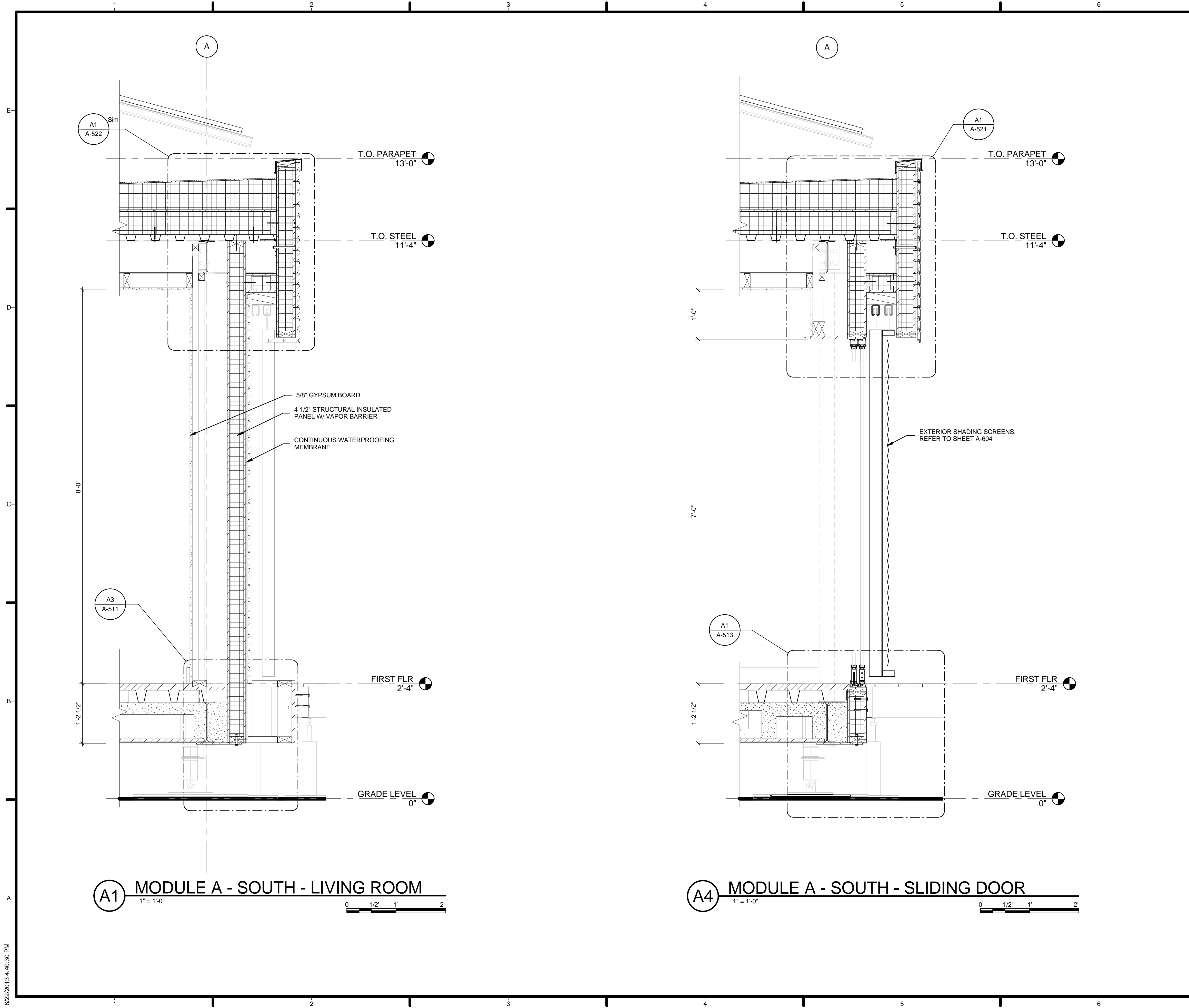
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SHEET TITLE
 BUILDING SECTIONS

A-305

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GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.C2	L 4 X 4 X 5/16
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
09 29 10.A3	5/8" GYPSUM BOARD

SHEET KEYNOTES

05	CONTINUOUS WATERPROOFING MEMBRANE
37	EXTERIOR SHADING SCREENS. REFER TO SHEET A-604

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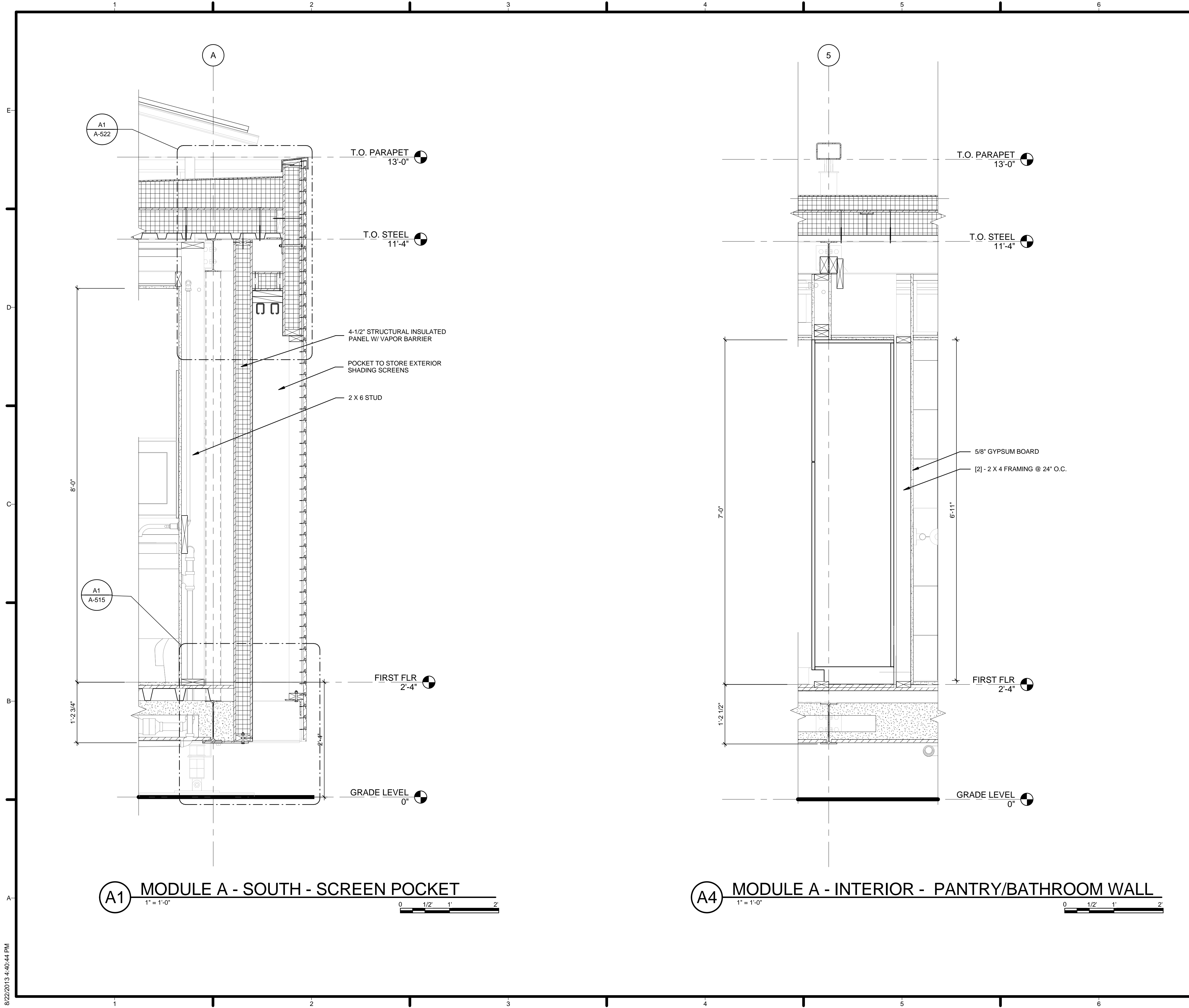
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SHEET TITLE
WALL SECTIONS

A-311



A1 MODULE A - SOUTH - SCREEN POCKET
 1" = 1'-0"
 0 1/2 1 2

A4 MODULE A - INTERIOR - PANTRY/BATHROOM WALL
 1" = 1'-0"
 0 1/2 1 2

GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.B1	2 X 6 STUD
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
09 29 10.A3	5/8" GYPSUM BOARD

SHEET KEYNOTES

38	POCKET TO STORE EXTERIOR SHADING SCREENS
----	--

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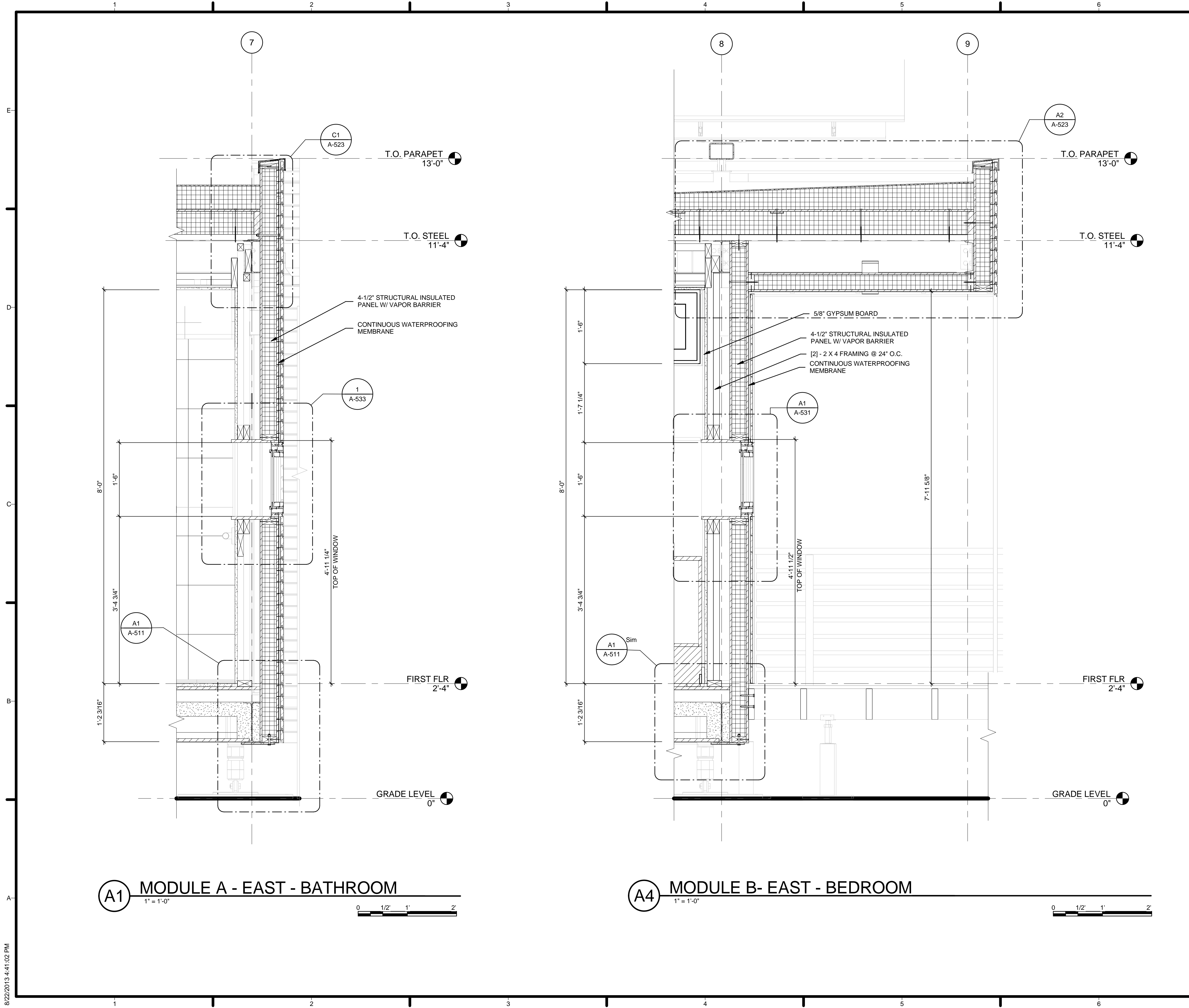
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3	2013.02.04	100% CD Submission
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1	2012.10.11	80% DD Submission

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SHEET TITLE
WALL SECTIONS

A-312



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
09 29 10.A3	5/8" GYPSUM BOARD

SHEET KEYNOTES

05	CONTINUOUS WATERPROOFING MEMBRANE
----	-----------------------------------

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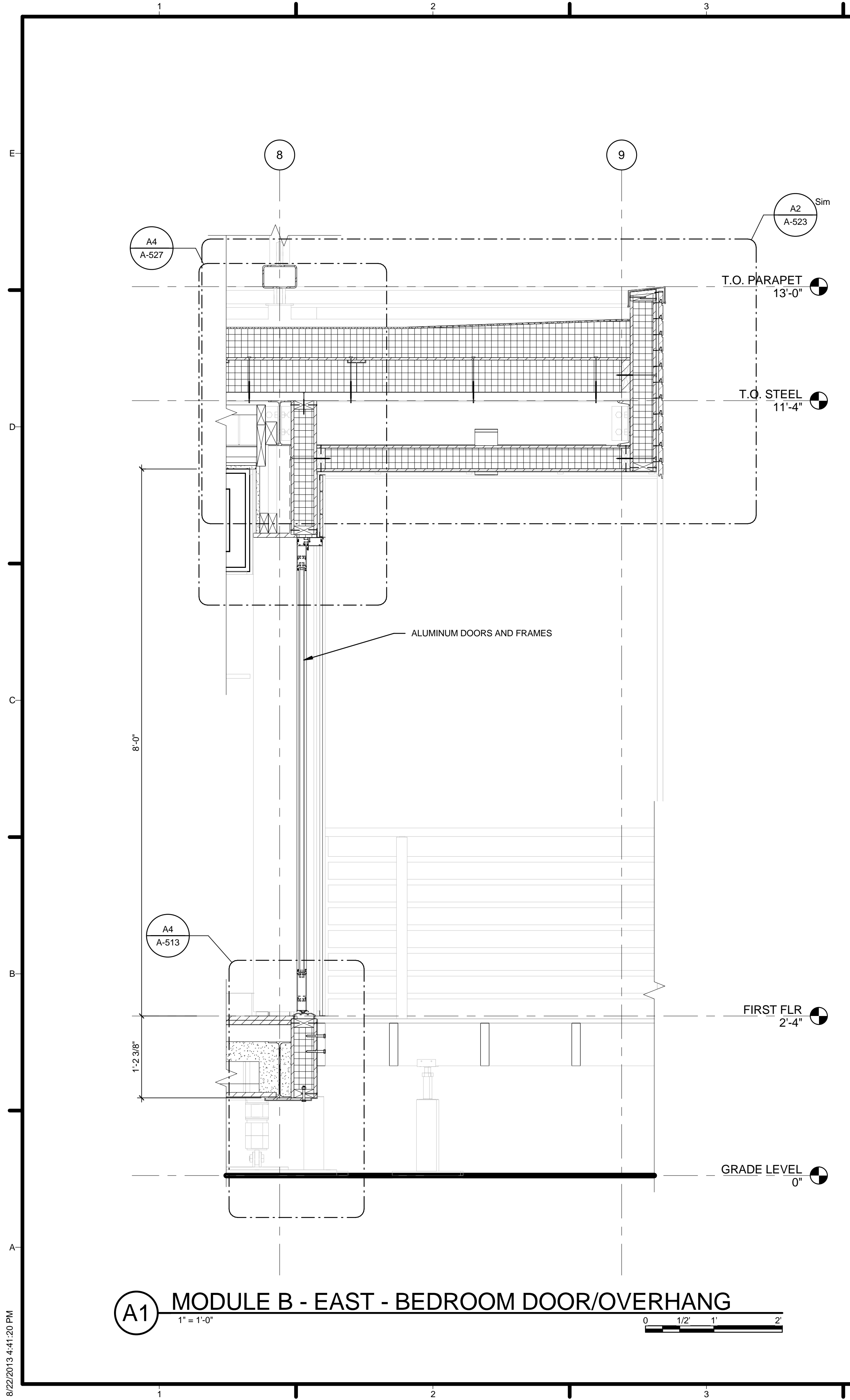
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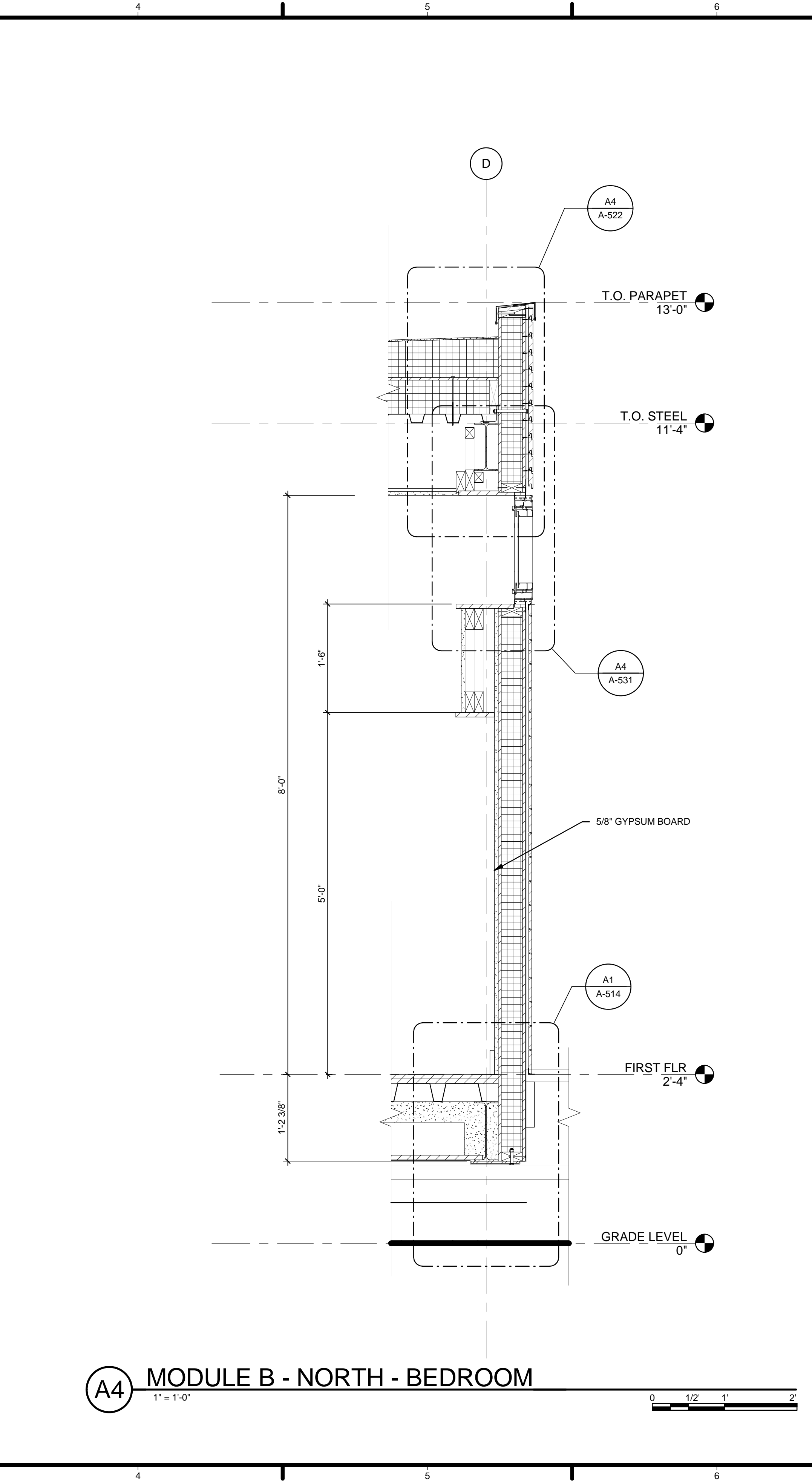
SHEET TITLE
WALL SECTIONS

A-313

8/22/2013 4:41:02 PM



A1 MODULE B - EAST - BEDROOM DOOR/OVERHANG
1" = 1'-0"



A4 MODULE B - NORTH - BEDROOM
1" = 1'-0"

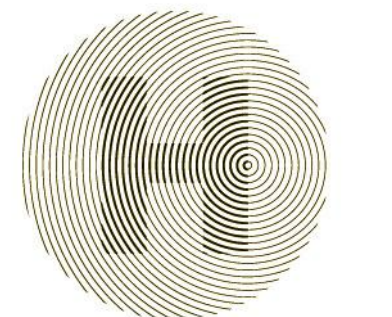
GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

08 11 16 ALUMINUM DOORS AND FRAMES
09 29 10.A3 5/8" GYPSUM BOARD

SHEET KEYNOTES



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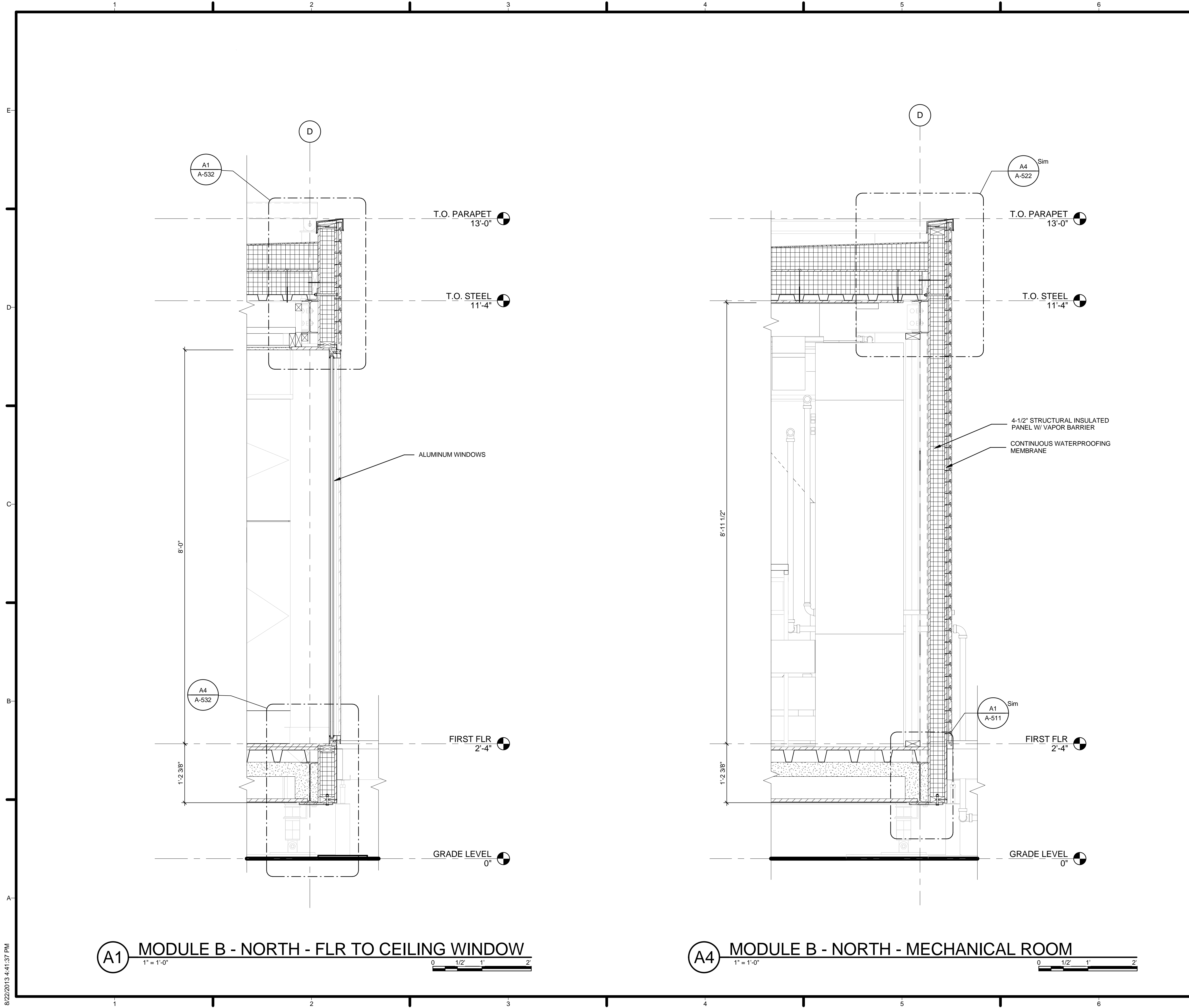
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1	2012.10.11	80% DD Submission

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SHEET TITLE
WALL SECTIONS

A-314



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

06 12 00.A2 4-1/2" STRUCTURAL INSULATED PANEL W/
VAPOR BARRIER
08 51 13 ALUMINUM WINDOWS

SHEET KEYNOTES

05 CONTINUOUS WATERPROOFING MEMBRANE



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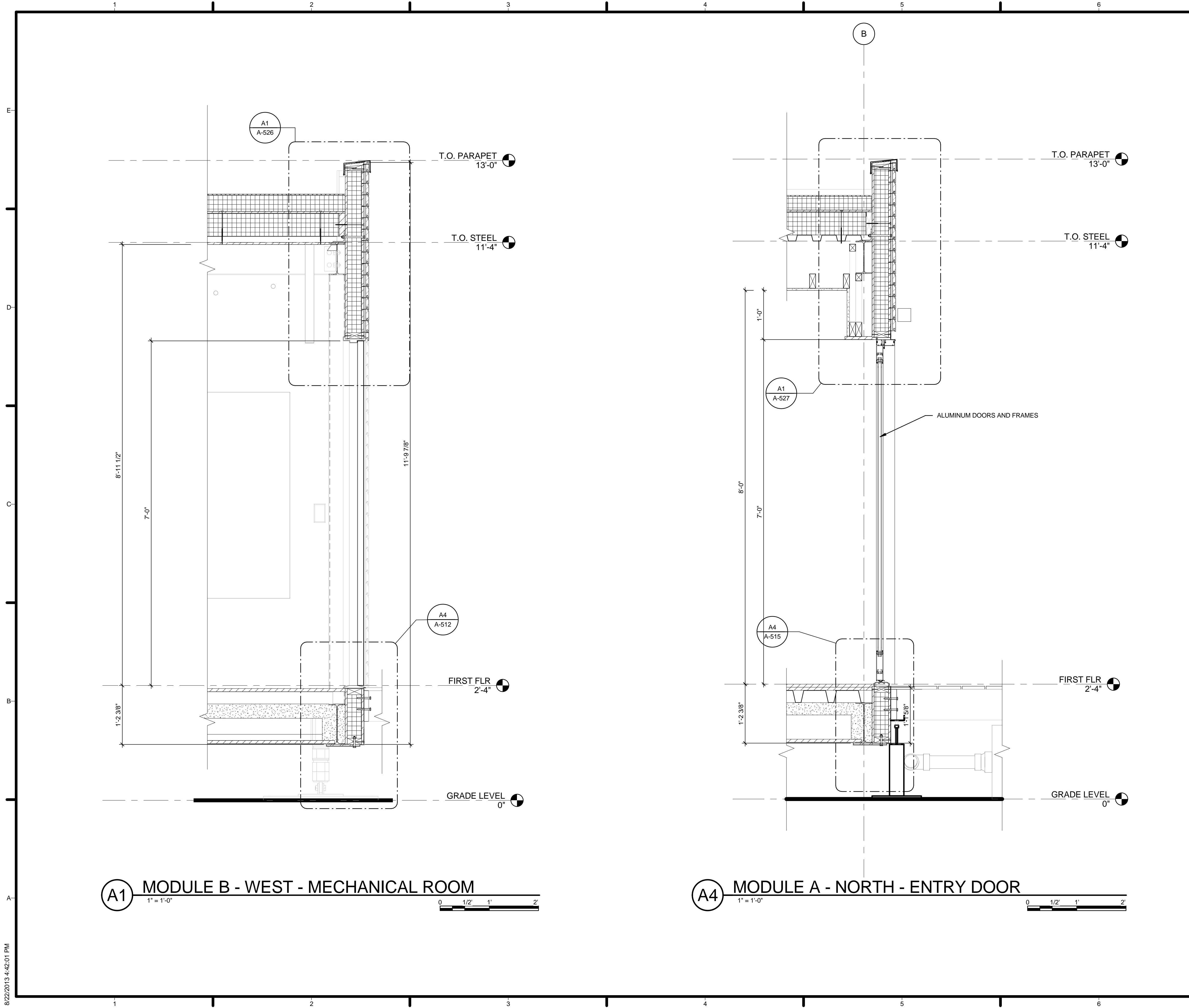
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1	2012.10.11	80% DD Submission

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SHEET TITLE
WALL SECTIONS

A-315

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A1 MODULE B - WEST - MECHANICAL ROOM
 1" = 1'-0"
 0 1/2' 1' 2'

A4 MODULE A - NORTH - ENTRY DOOR
 1" = 1'-0"
 0 1/2' 1' 2'


GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

08 11 16 ALUMINUM DOORS AND FRAMES

SHEET KEYNOTES



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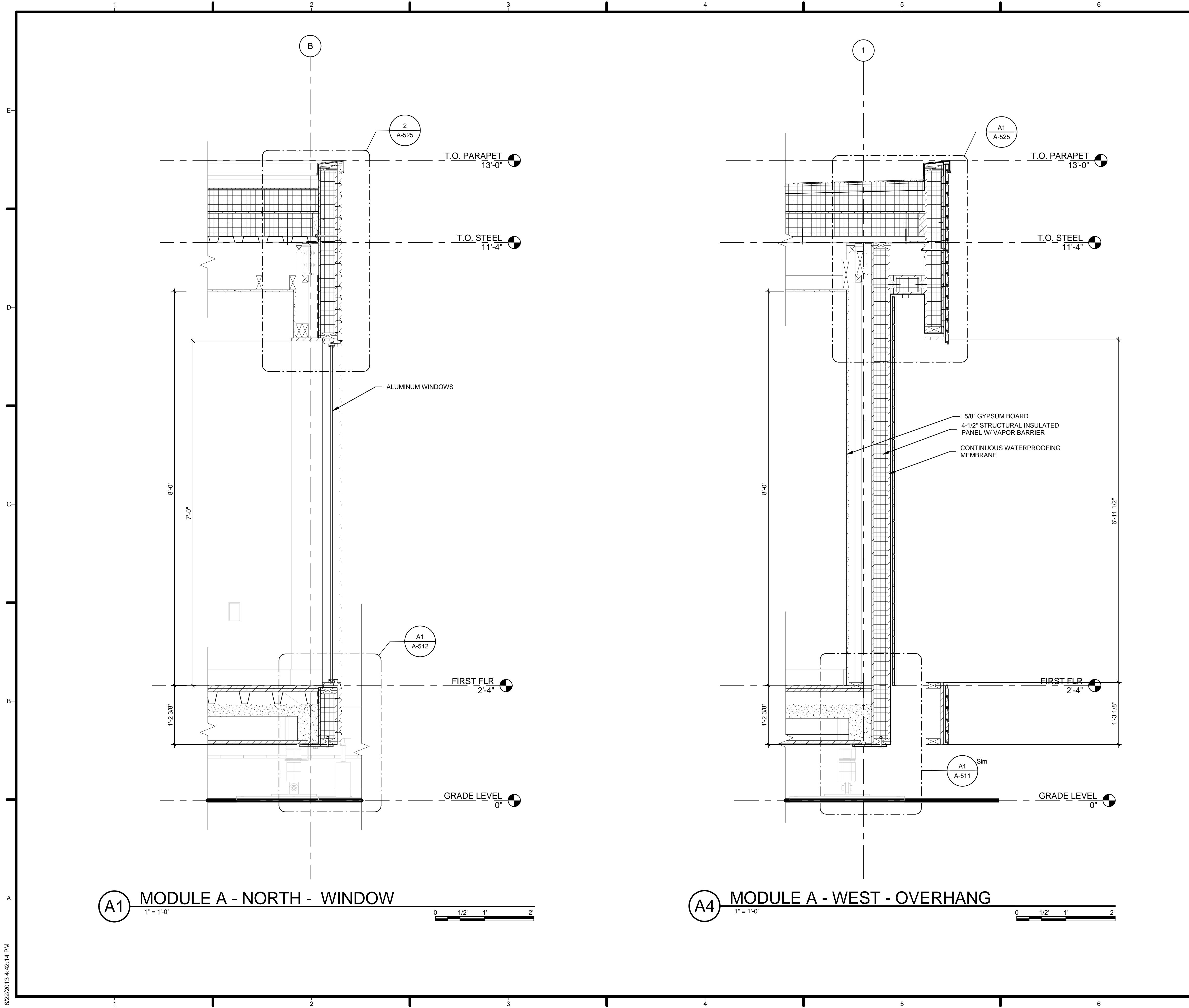


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1	2012.10.11	80% DD Submission

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SHEET TITLE
WALL SECTIONS

A-316



A1 MODULE A - NORTH - WINDOW
1" = 1'-0"

A4 MODULE A - WEST - OVERHANG
1" = 1'-0"

GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
08 51 13	ALUMINUM WINDOWS
09 29 10.A3	5/8" GYPSUM BOARD

SHEET KEYNOTES

05	CONTINUOUS WATERPROOFING MEMBRANE
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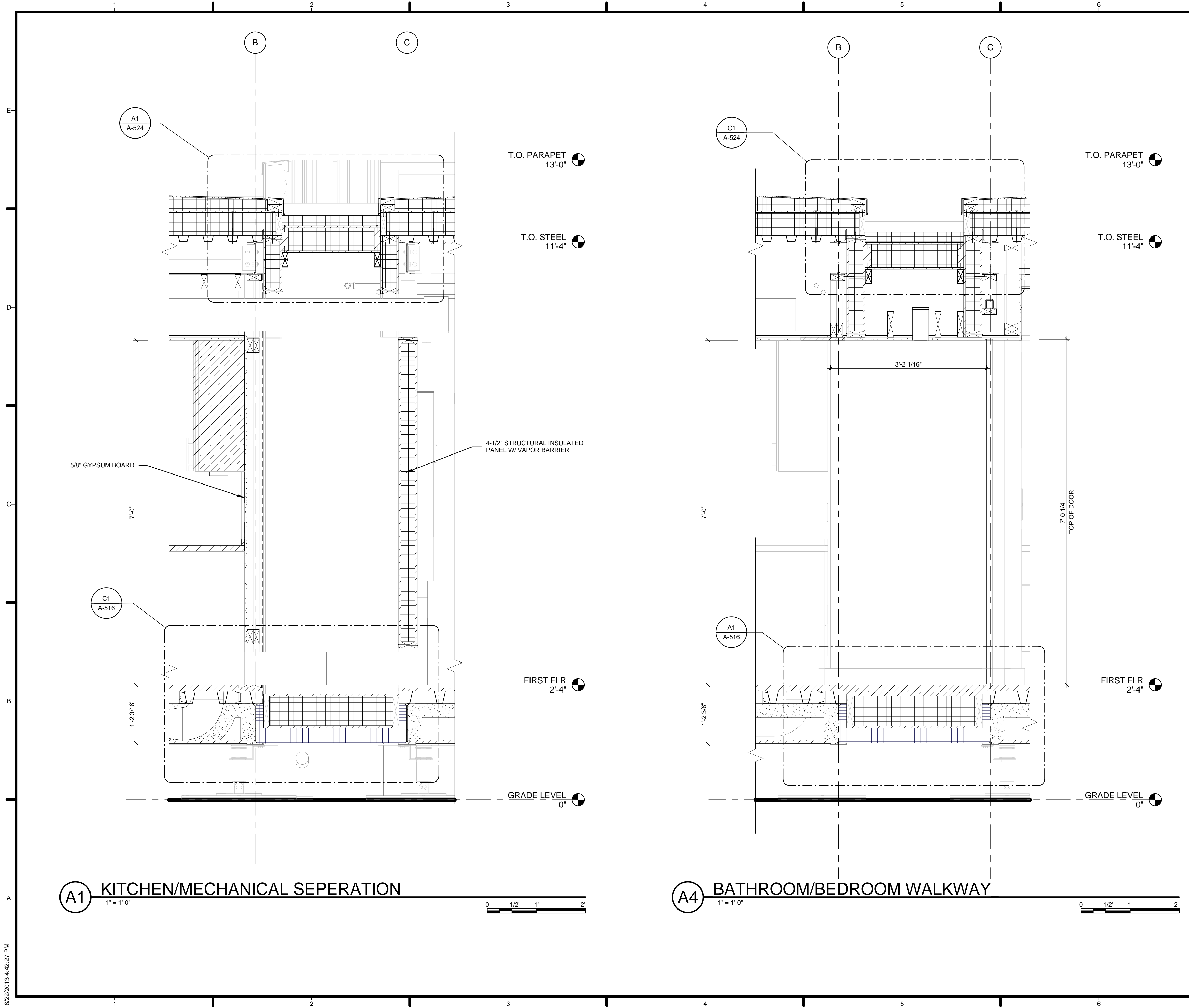
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WALL SECTIONS

A-317



GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

01 00 00	DIVISION 01 - GENERAL REQUIREMENTS
05 12 23.C1	PL 2-1/2 X 1/4
05 12 23.E1	ADJUSTABLE STEEL FOOTING
06 11 00.B1	2 X 6 STUD
06 12 00.A2	4-1/2\"/>
09 29 00.A3	5/8\"/>
09 29 10.A3	FLORIDA TILES - 12X12 - OYSTER

SHEET KEYNOTES

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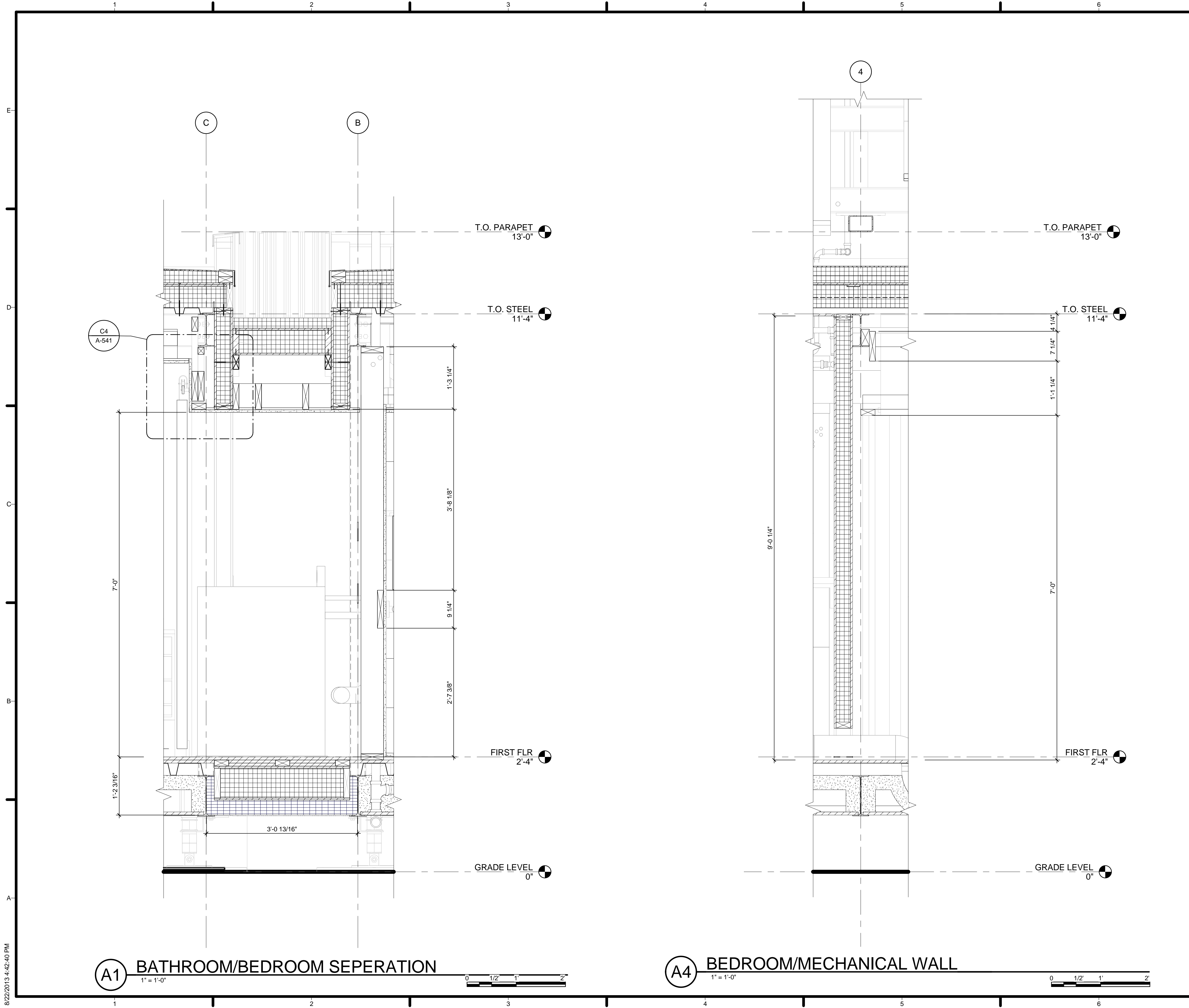
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WALL SECTIONS

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2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

SHEET KEYNOTES



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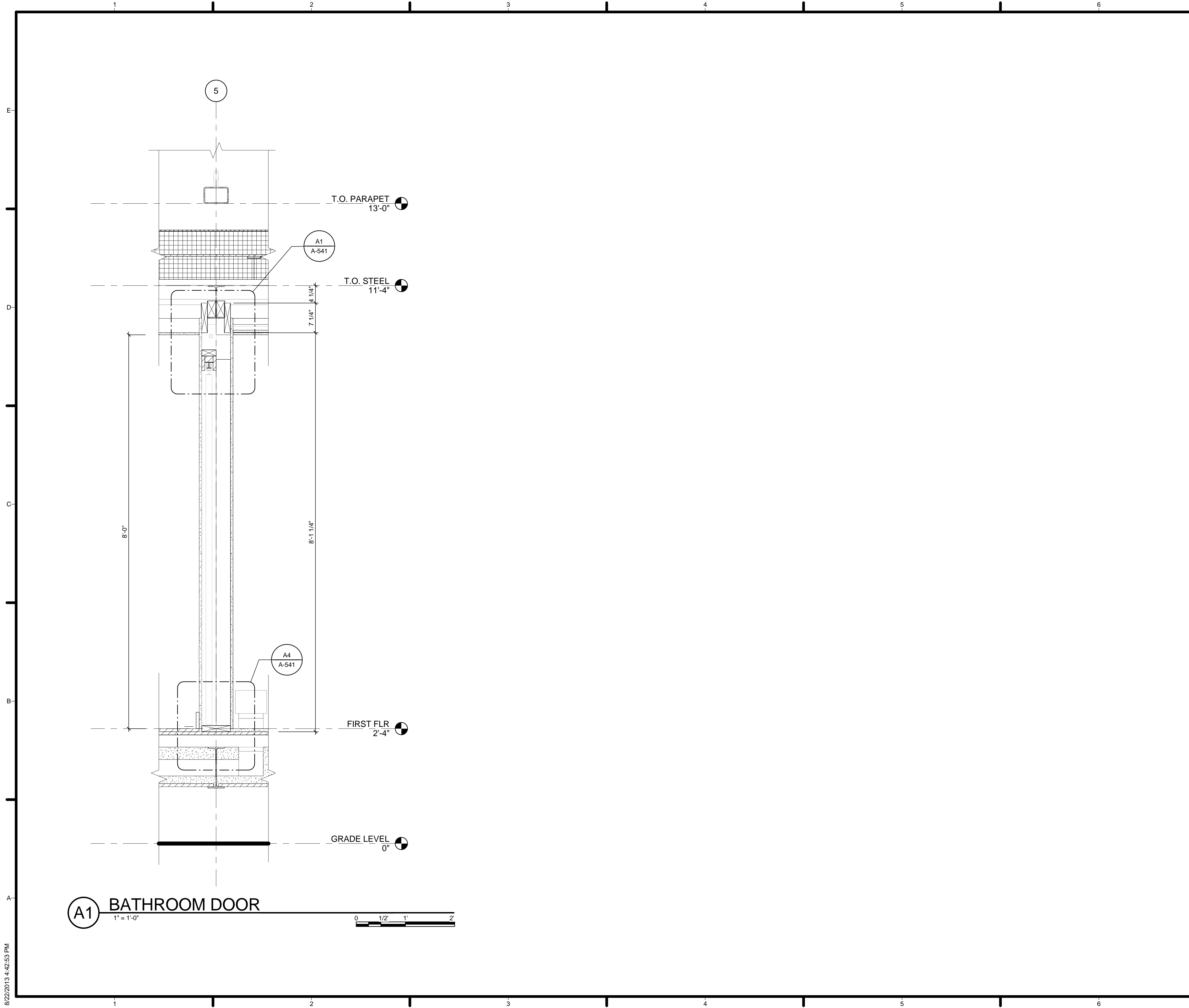
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WALL SECTIONS

A-319

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GENERAL SHEET NOTES

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REFERENCE KEYNOTES

SHEET KEYNOTES



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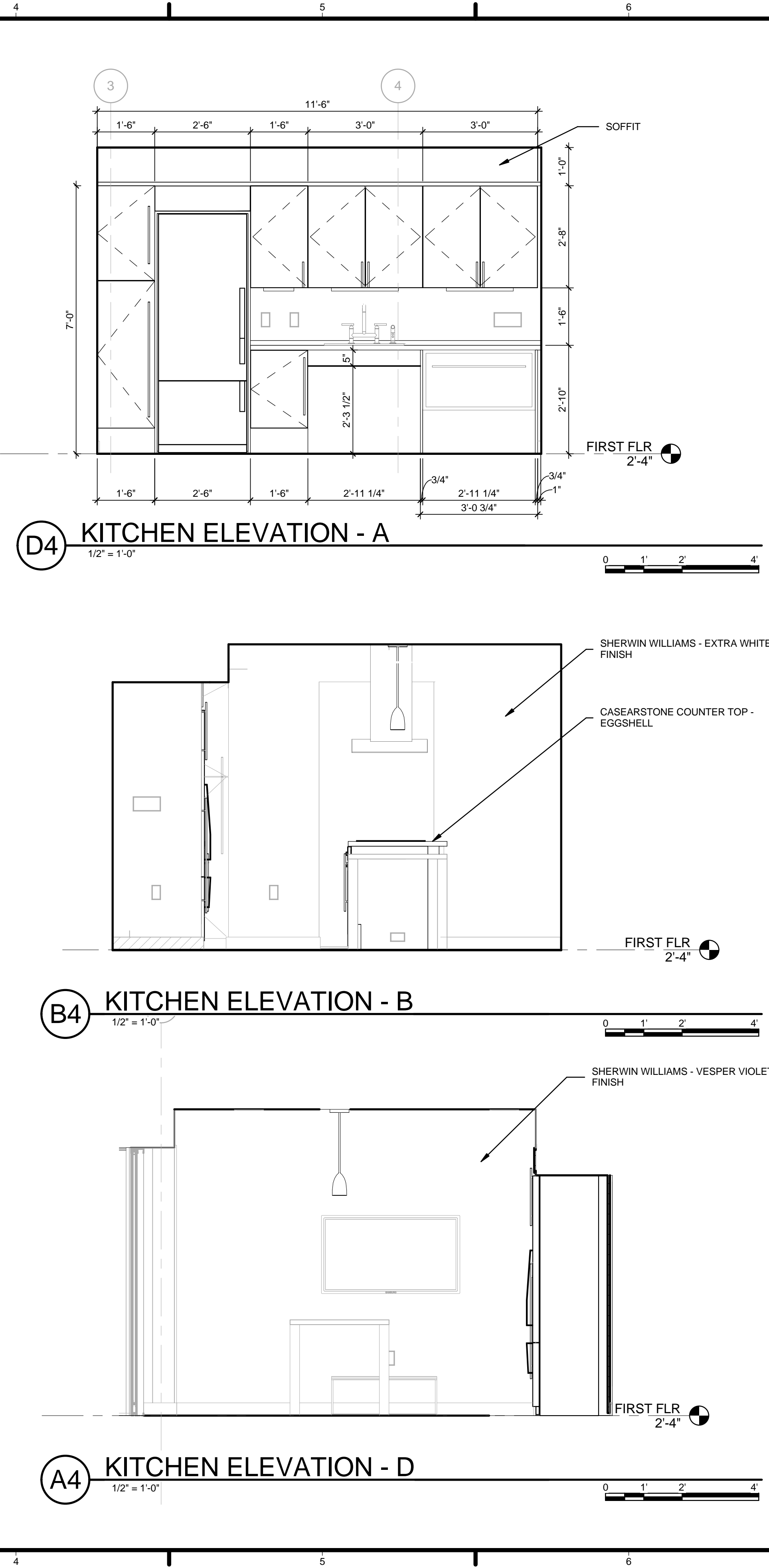
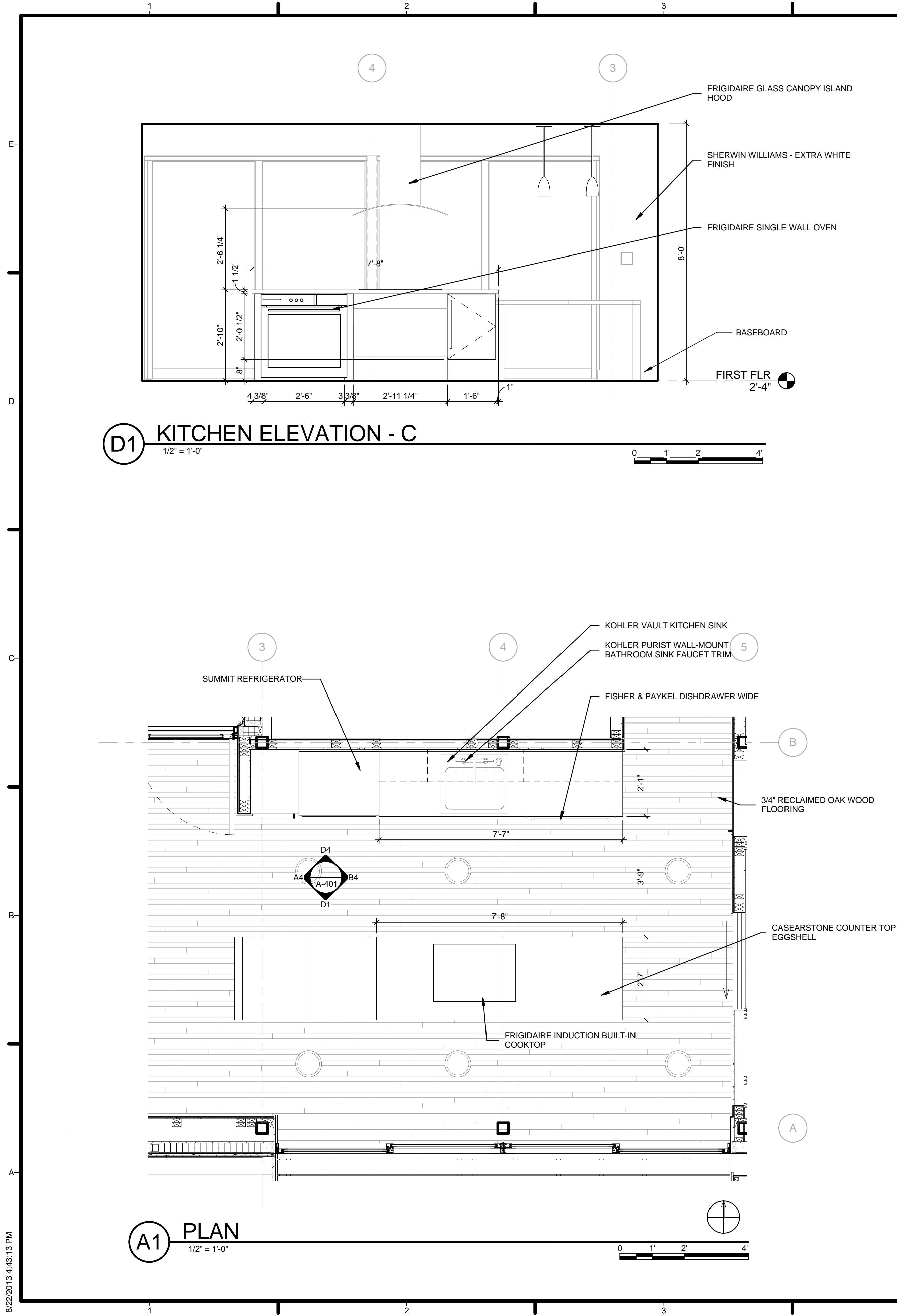
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WALL SECTIONS

A-320

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GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. ALL CASEWORK FABRICATED USING PLYBOO

REFERENCE KEYNOTES

09 64 29	3/4" RECLAIMED OAK WOOD FLOORING
09 70 01	SHERWIN WILLIAMS - EXTRA WHITE FINISH
09 70 02	SHERWIN WILLIAMS - VESPER VIOLET FINISH
11 31 13.A1	FRIGIDAIRE INDUCTION BUILT-IN COOKTOP
11 31 13.A2	SUMMIT REFRIGERATOR
11 31 13.A3	FISHER & PAYKEL DISHDRAWER WIDE
11 31 13.A4	FRIGIDAIRE SINGLE WALL OVEN
11 31 13.A5	FRIGIDAIRE GLASS CANOPY ISLAND HOOD
22 41 16.14	KOHLER VAULT KITCHEN SINK
22 41 39.12	KOHLER PURIST WALL-MOUNT BATHROOM SINK FAUCET TRIM

SHEET KEYNOTES

52	SOFFIT
97	CASEARSTONE COUNTER TOP - EGGSHELL

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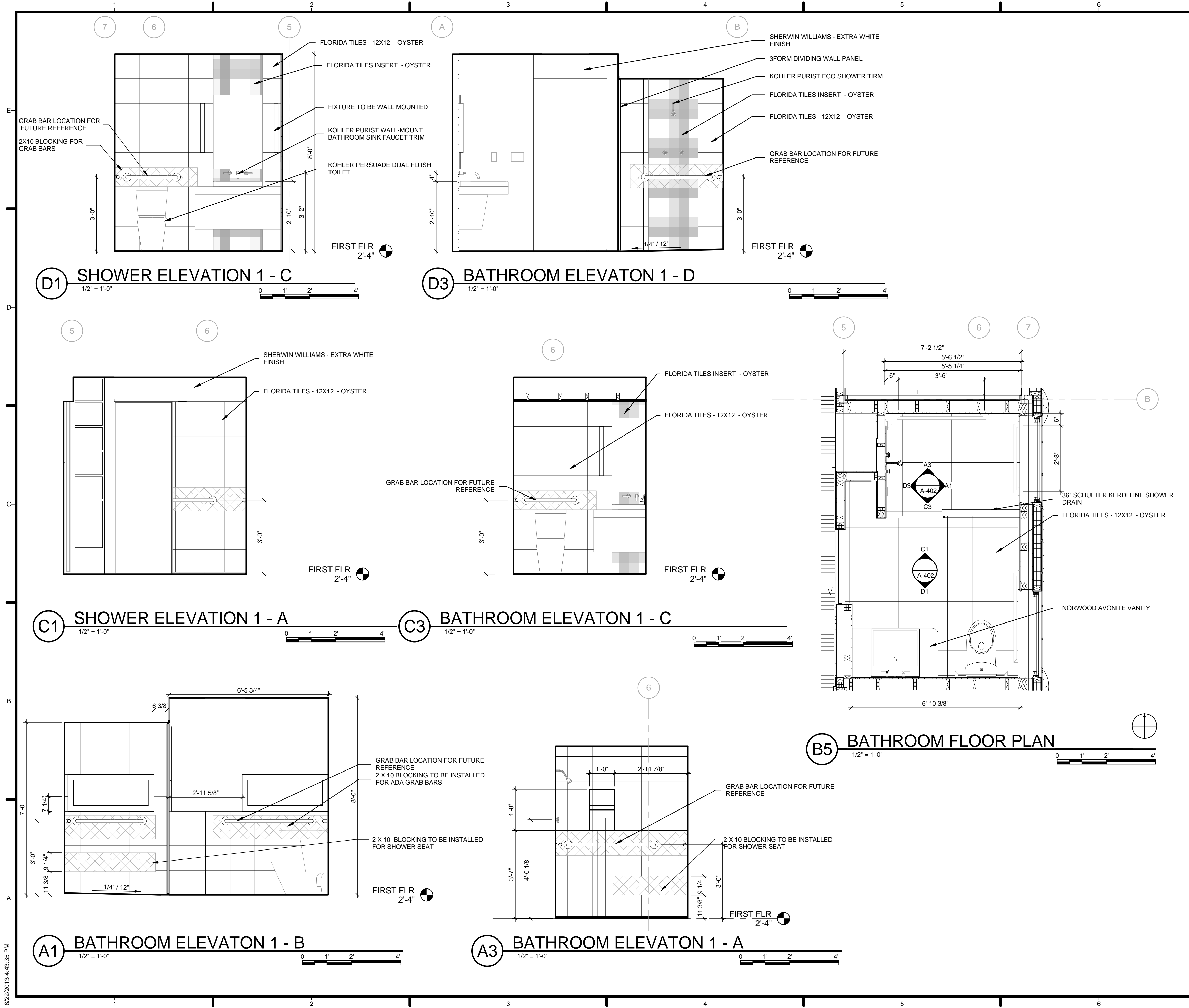
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SHEET TITLE
KITCHEN PLANS & ELEVATIONS

A-401



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. TOILET IS NOT PLUMBED
3. BLOCKING TO BE PLACED FOR ALL ADA GRAB BARS. GRAB BARS NOT TO BE INSTALLED FOR COMPETITION. MEETS ADA 604.5

REFERENCE KEYNOTES

09 30 13	FLORIDA TILES - 12X12 - OYSTER
09 30 14	FLORIDA TILES INSERT - OYSTER
09 70 01	SHERWIN WILLIAMS - EXTRA WHITE FINISH
22 41 16.15	KOHLER PERSUADE DUAL FLUSH TOILET
22 41 24	KOHLER PURIST ECO SHOWER TIRM
22 41 25	36" SCHULTER KERDI LINE SHOWER DRAIN
22 41 39.12	KOHLER PURIST WALL-MOUNT BATHROOM SINK FAUCET TRIM

SHEET KEYNOTES

29	FIXTURE TO BE WALL MOUNTED
44	2 X 10 BLOCKING TO BE INSTALLED FOR ADA GRAB BARS
45	GRAB BAR LOCATION FOR FUTURE REFERENCE
48	3FORM DIVIDING WALL PANEL
98	NORWOOD AVONITE VANITY

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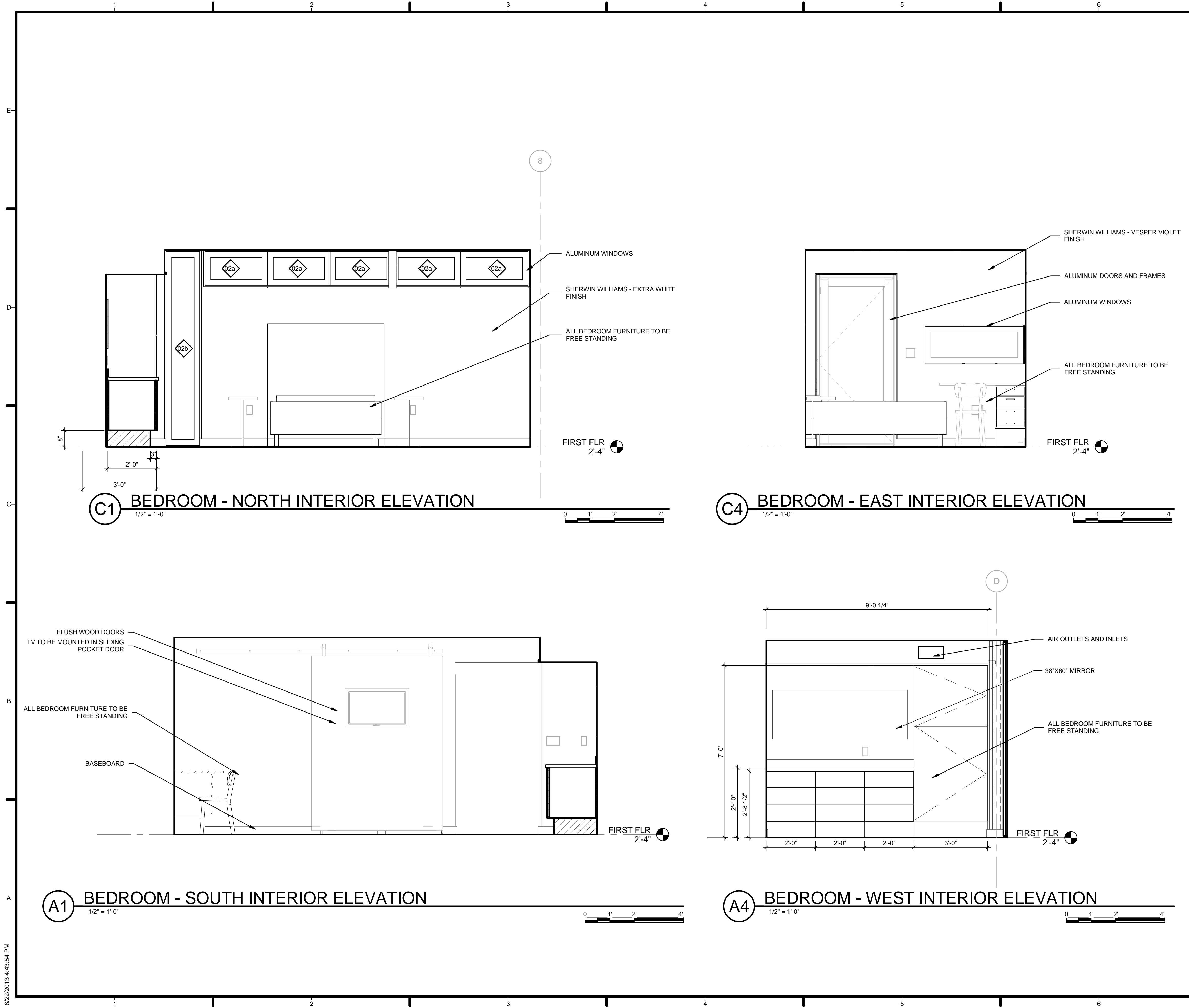
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SHEET TITLE
BATHROOM PLANS & ELEVATIONS

A-402



GENERAL SHEET NOTES

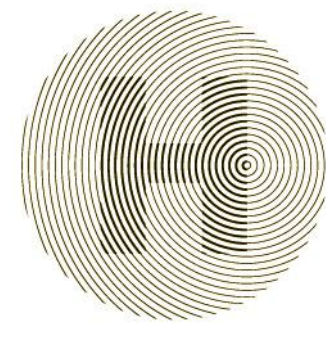
1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION

REFERENCE KEYNOTES

08 11 16	ALUMINUM DOORS AND FRAMES
08 14 16	FLUSH WOOD DOORS
08 51 13	ALUMINUM WINDOWS
09 70 01	SHERWIN WILLIAMS - EXTRA WHITE FINISH
09 70 02	SHERWIN WILLIAMS - VESPER VIOLET FINISH
23 37 00	AIR OUTLETS AND INLETS

SHEET KEYNOTES

08	ALL BEDROOM FURNITURE TO BE FREE STANDING
42	BASEBOARD
50	BED TO BE INSET INTO WALL CAVITY
51	TV TO BE MOUNTED IN SLIDING POCKET DOOR



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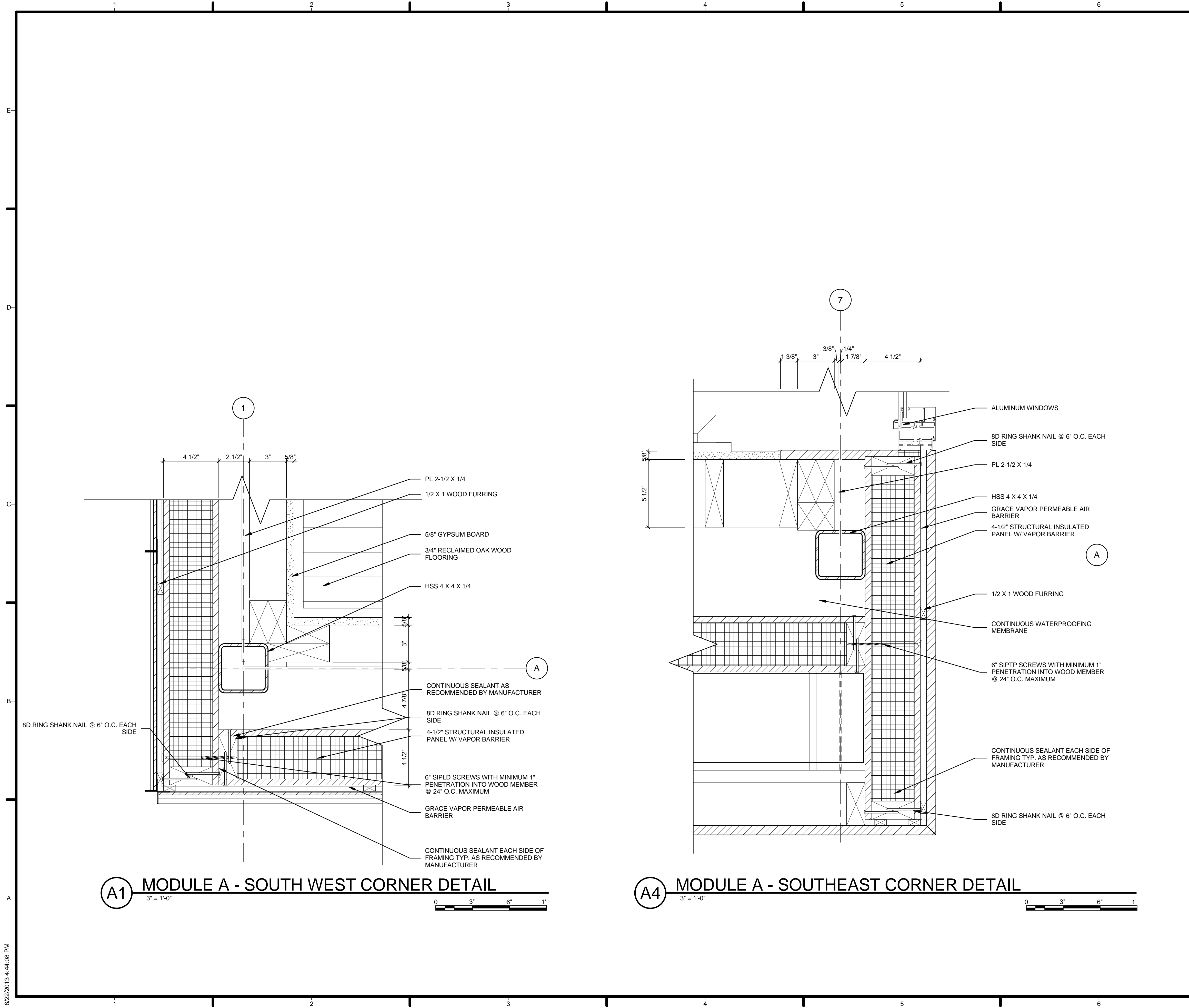


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SHEET TITLE
INTERIOR ELEVATION

A-411



GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A7	HSS 4 X 4 X 1/4
05 12 23.C1	PL 2-1/2 X 1/4
06 11 00.F1	1/2 X 1 WOOD FURRING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
08 51 13	ALUMINUM WINDOWS
09 29 10.A3	5/8" GYPSUM BOARD
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
03	CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
05	CONTINUOUS WATERPROOFING MEMBRANE
82	6" SIPTP SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM



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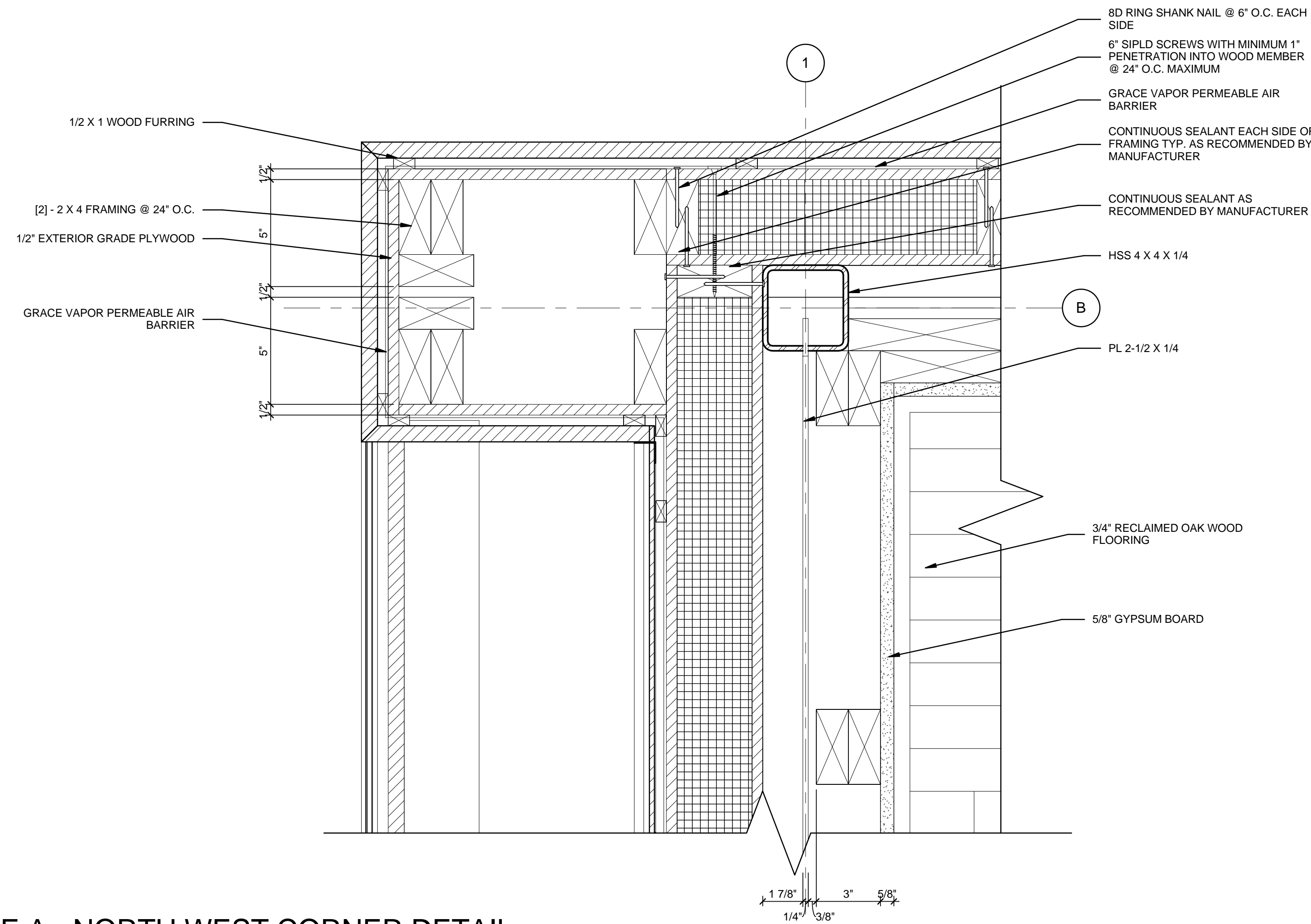
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1	2012.10.11	80% DD Submission

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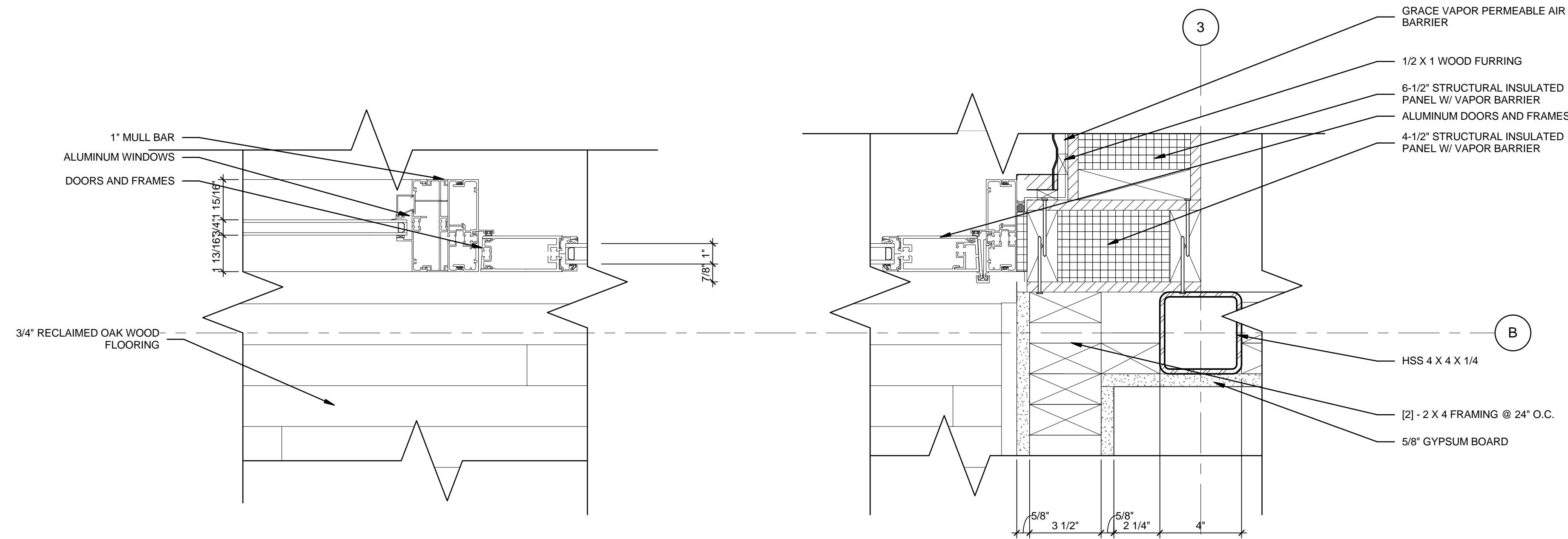
SHEET TITLE
PLAN DETAILS

A-501

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C1 MODULE A - NORTH WEST CORNER DETAIL
3" = 1'-0"



A1 MODULE A - DOOR DETAIL MAIN DETAIL
3" = 1'-0"



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A7	HSS 4 X 4 X 1/4
05 12 23.C1	PL 2-1/2 X 1/4
06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.F1	1/2 X 1 WOOD FURRING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 12 00.A3	6-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B1	1/2" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
08 10 00	DOORS AND FRAMES
08 11 16	ALUMINUM DOORS AND FRAMES
08 51 13	ALUMINUM WINDOWS
09 29 10.A3	5/8" GYPSUM BOARD
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

- 01 6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
- 02 CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
- 03 CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
- 04 8D RING SHANK NAIL @ 6" O.C. EACH SIDE
- 15 1" MULL BAR

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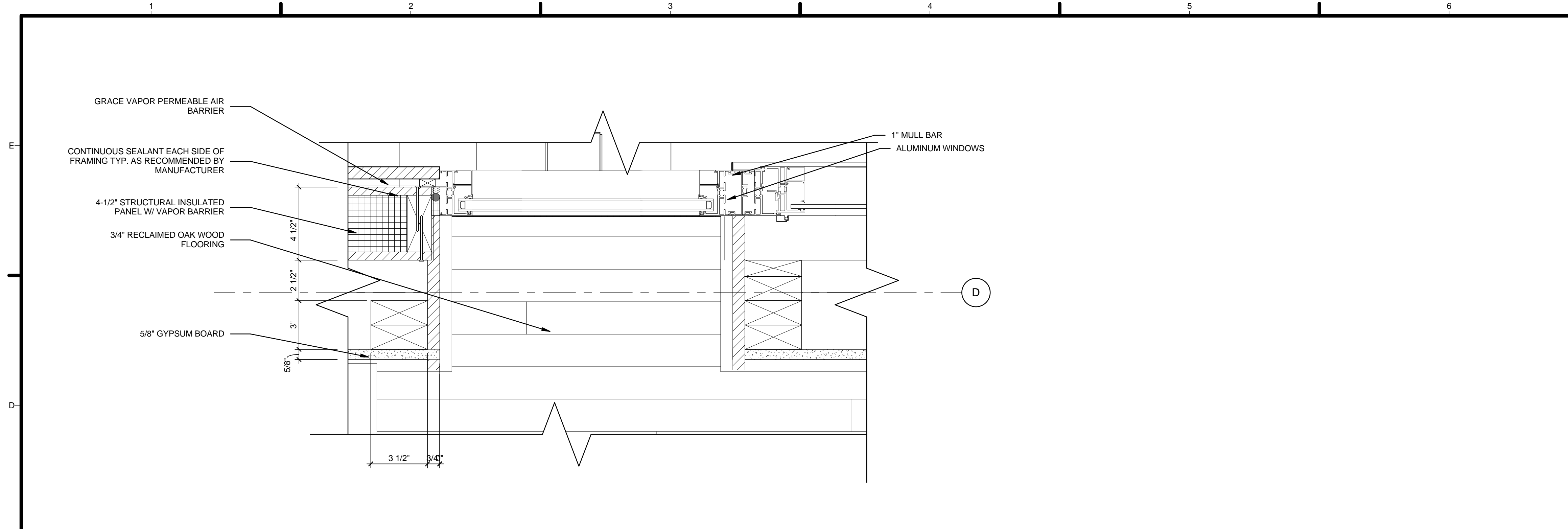
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1	2012.10.11	80% DD Submission

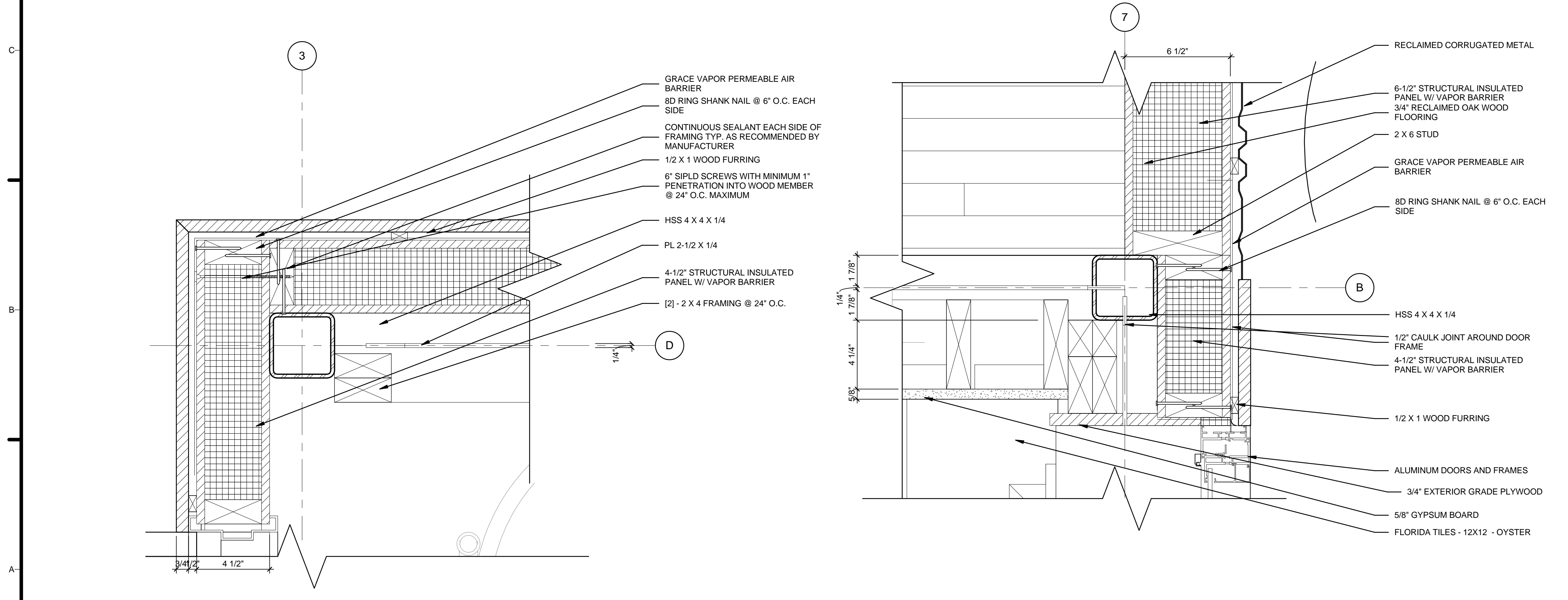
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SHEET TITLE
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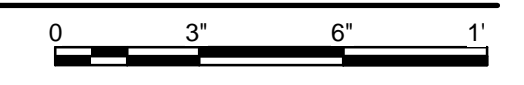
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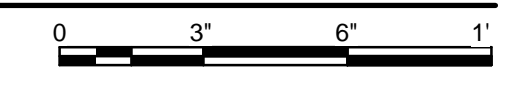
C1 MODULE B - NORTH WINDOW DETAIL
3" = 1'-0"



A1 MODULE B - MECHANICAL CORNER DETAIL
3" = 1'-0"



A4 MODULE A - NORTH EAST MAIN DETAIL
3" = 1'-0"



GENERAL SHEET NOTES

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REFERENCE KEYNOTES

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05 12 23.C1	PL 2-1/2 X 1/4
06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.B1	2 X 6 STUD
06 11 00.F1	1/2 X 1 WOOD FURRING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 12 00.A3	6-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
08 11 16	ALUMINUM DOORS AND FRAMES
08 51 13	ALUMINUM WINDOWS
09 29 10.A3	5/8" GYPSUM BOARD
09 30 13	FLORIDA TILES - 12X12 - OYSTER
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
15	1" MULL BAR
47	1/2" CAULK JOINT AROUND DOOR FRAME
99	RECLAIMED CORRUGATED METAL

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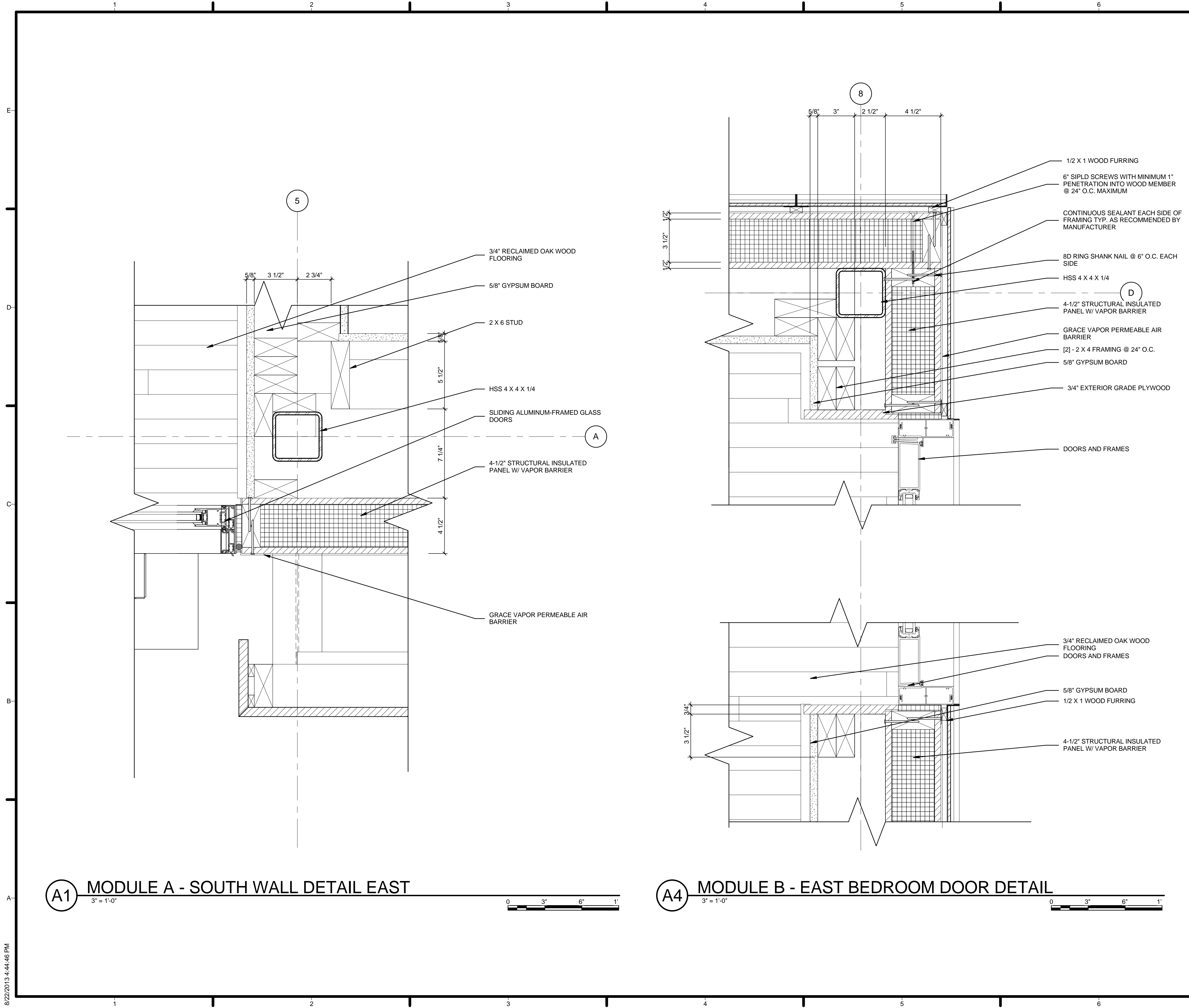
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GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A7	HSS 4 X 4 X 1/4
06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.B1	2 X 6 STUD
06 11 00.F1	1/2 X 1 WOOD FURRING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
08 10 00	DOORS AND FRAMES
08 32 13	SLIDING ALUMINUM-FRAMED GLASS DOORS
08 51 13	ALUMINUM WINDOWS
09 29 10.A3	5/8" GYPSUM BOARD
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE



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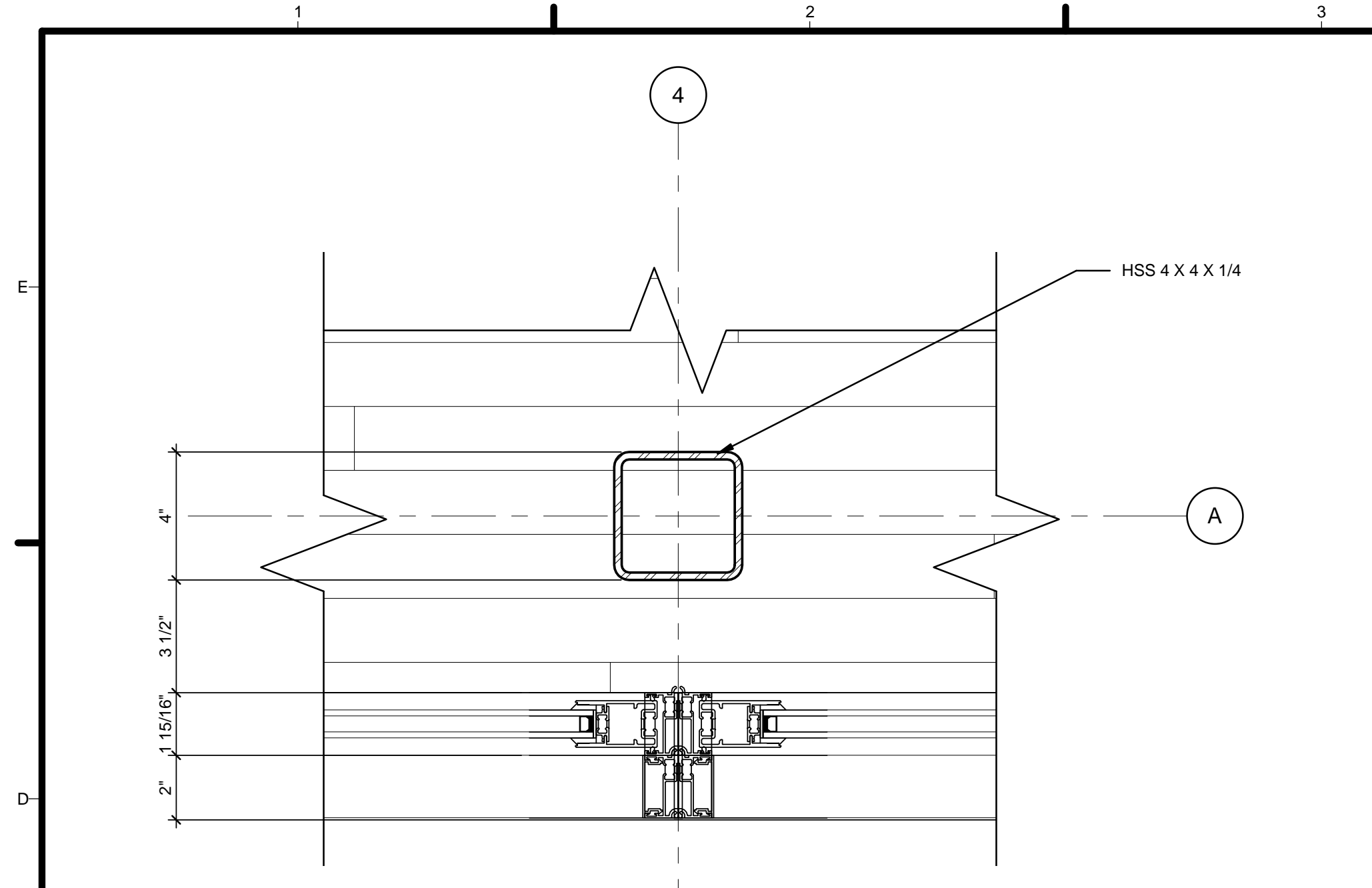
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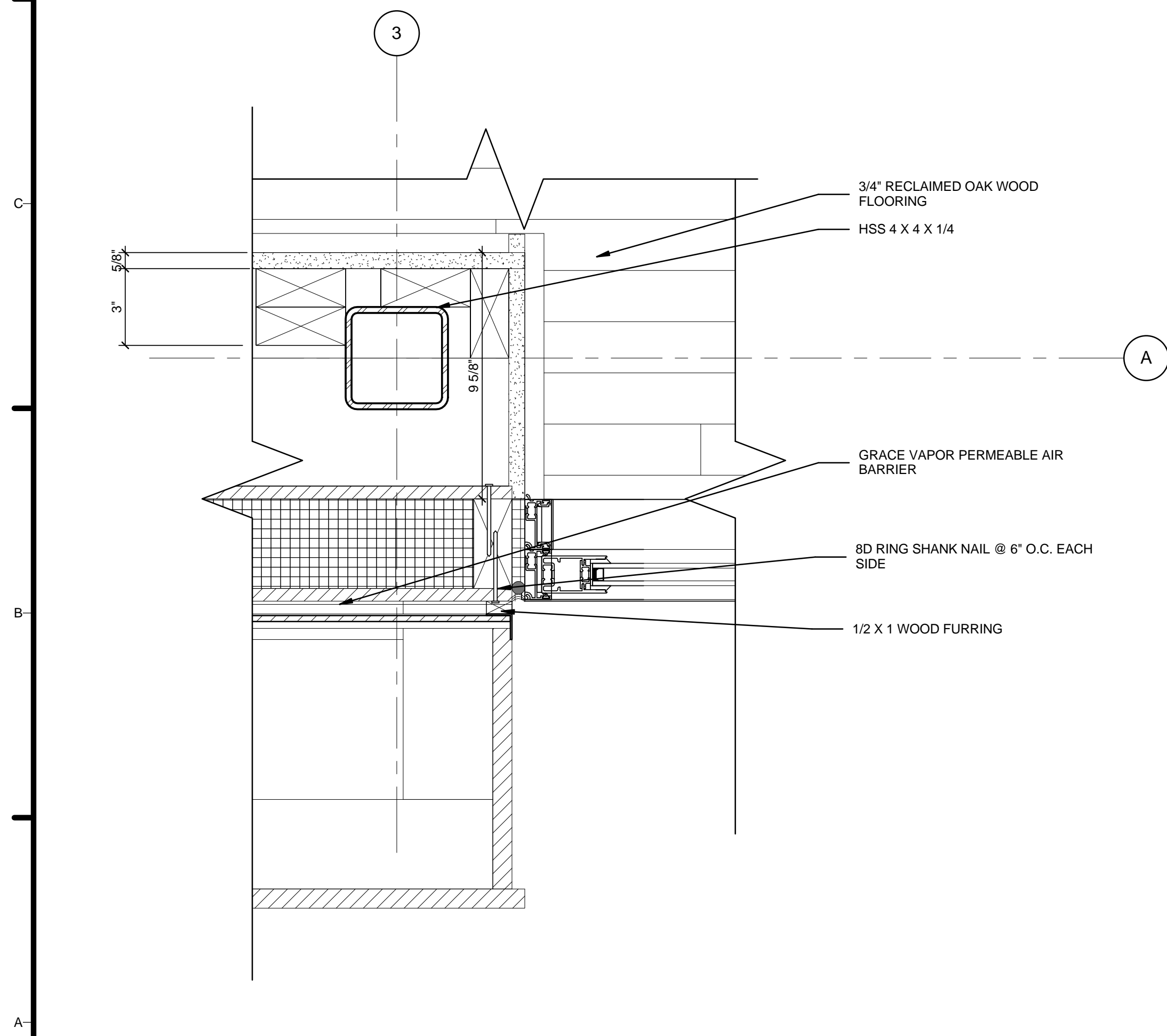
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PLAN DETAILS

A-504

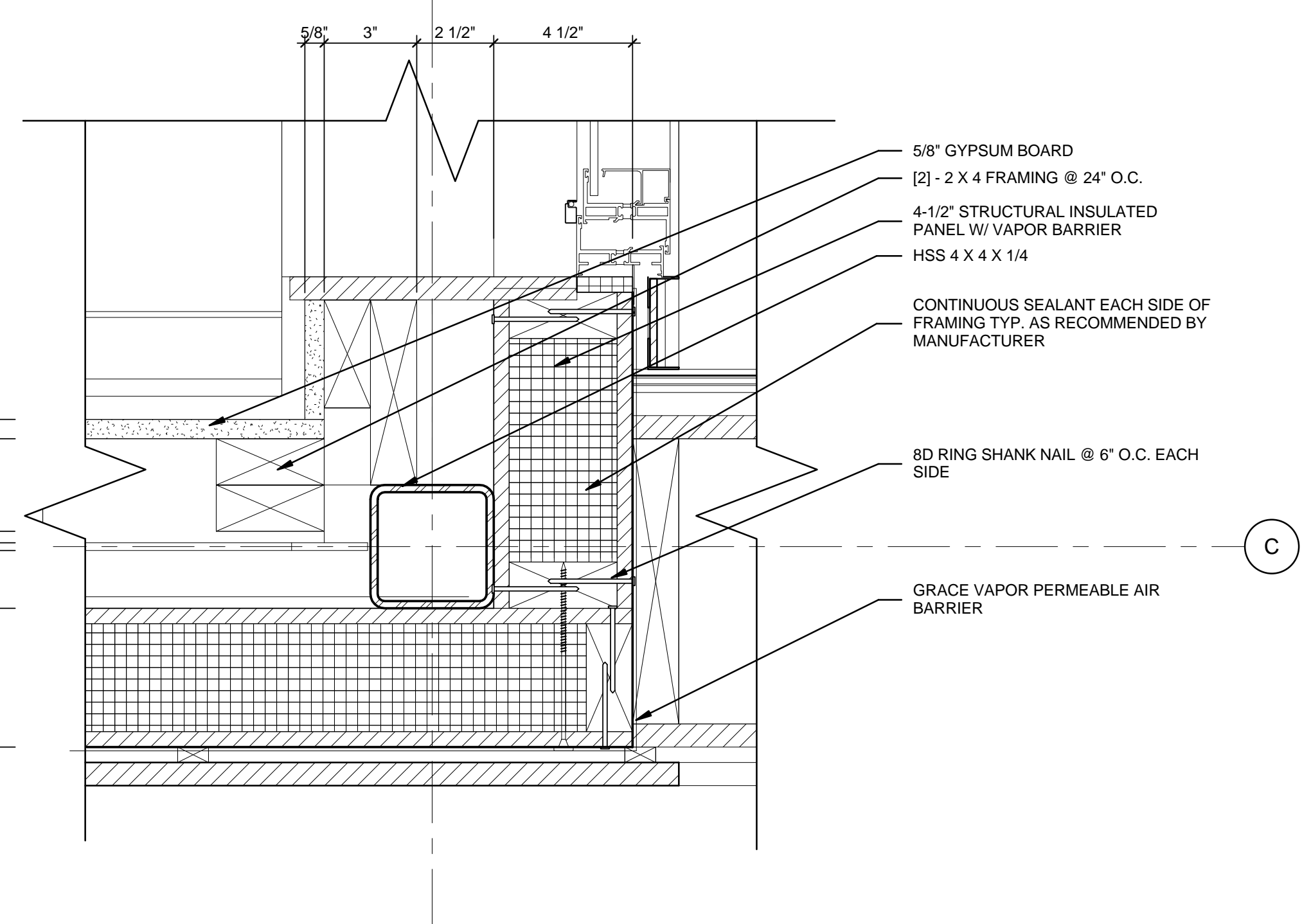
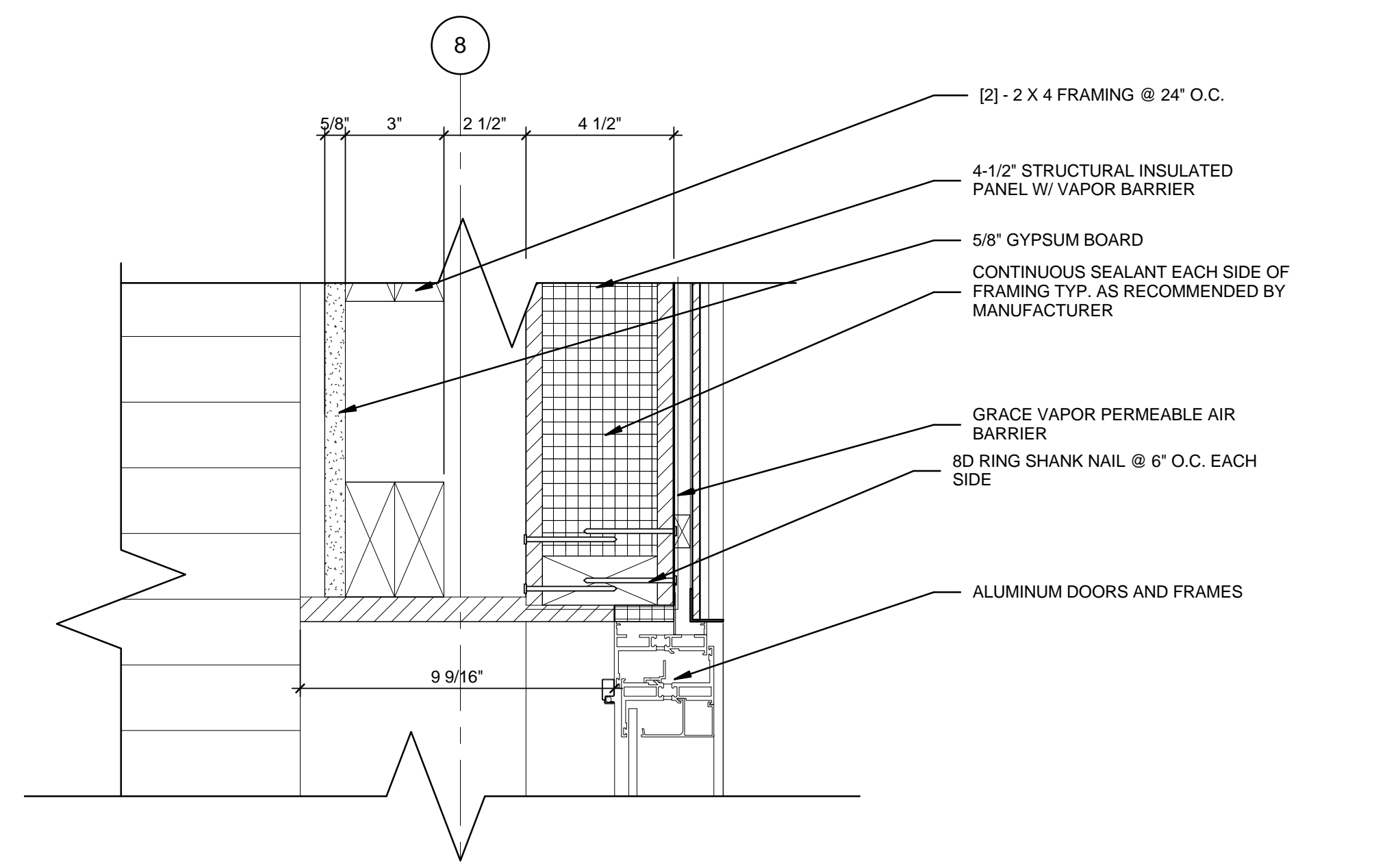
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D1 MODULE A - SOUTH COLUMN DETAIL
3" = 1'-0"



A1 MODULE A - SOUTH DOOR DETAIL
3" = 1'-0"



A4 MODULE B - EAST WINDOW DETAIL
3" = 1'-0"



GENERAL SHEET NOTES


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REFERENCE KEYNOTES

05 12 23.A7	HSS 4 X 4 X 1/4
05 12 23.C1	PL 2-1/2 X 1/4
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06 11 00.F1	1/2 X 1 WOOD FURRING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
08 11 16	ALUMINUM DOORS AND FRAMES
09 29 10.A3	5/8" GYPSUM BOARD
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE



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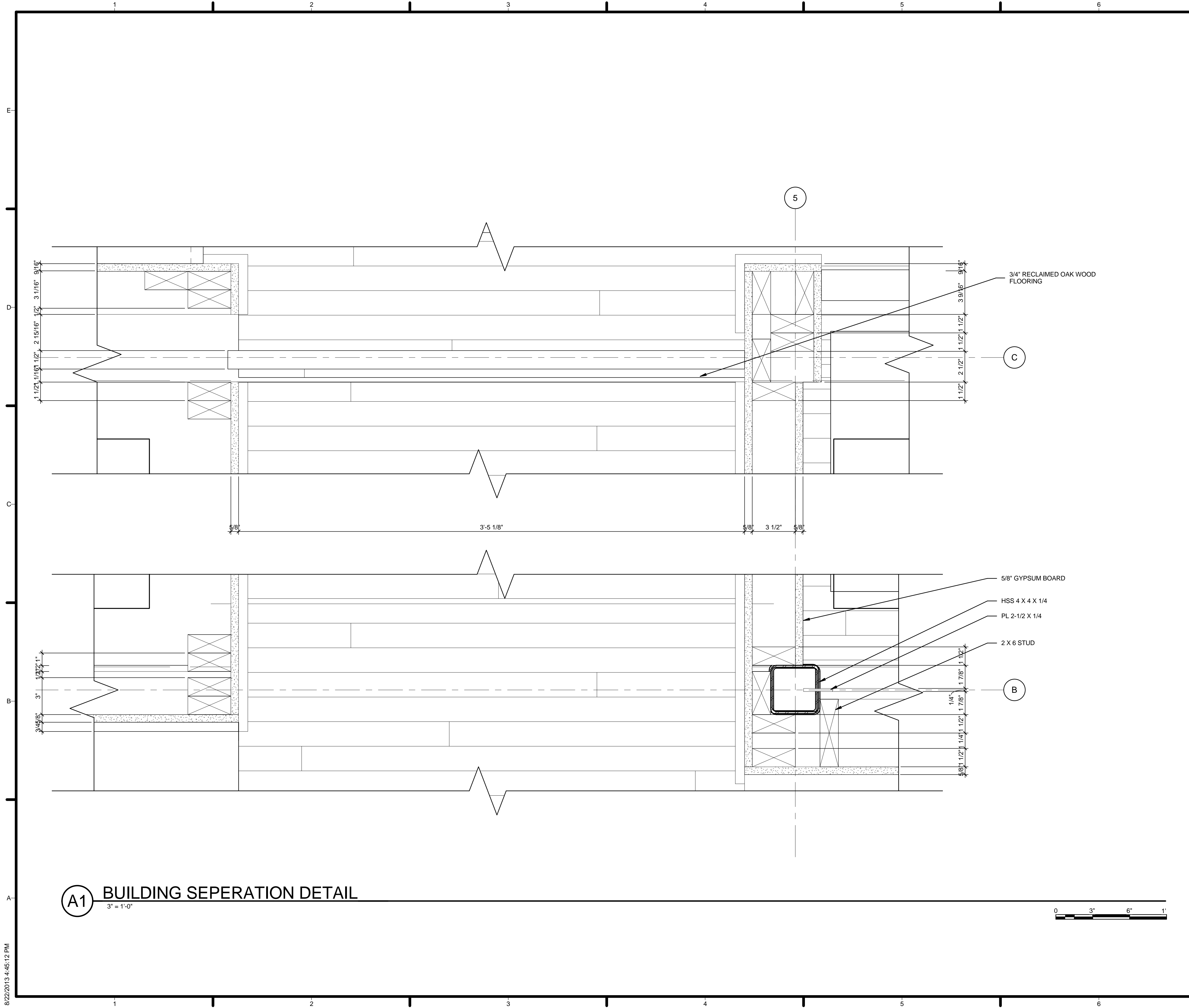


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GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A7	HSS 4 X 4 X 1/4
05 12 23.C1	PL 2-1/2 X 1/4
06 11 00.B1	2 X 6 STUD
09 29 10.A3	5/8" GYPSUM BOARD
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

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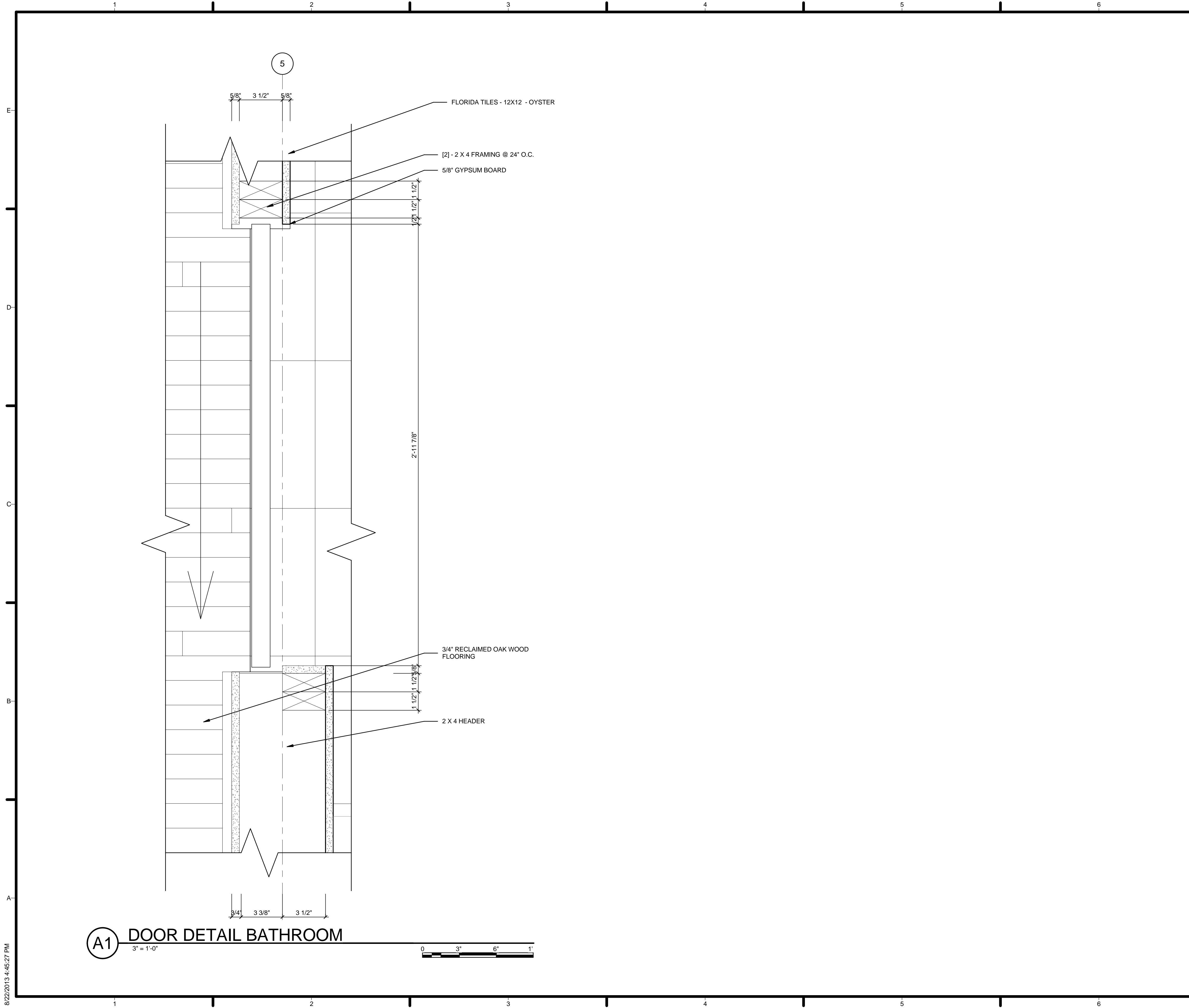
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GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.A7	2 X 4 HEADER
09 29 10.A3	5/8" GYPSUM BOARD
09 30 13	FLORIDA TILES - 12X12 - OYSTER
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

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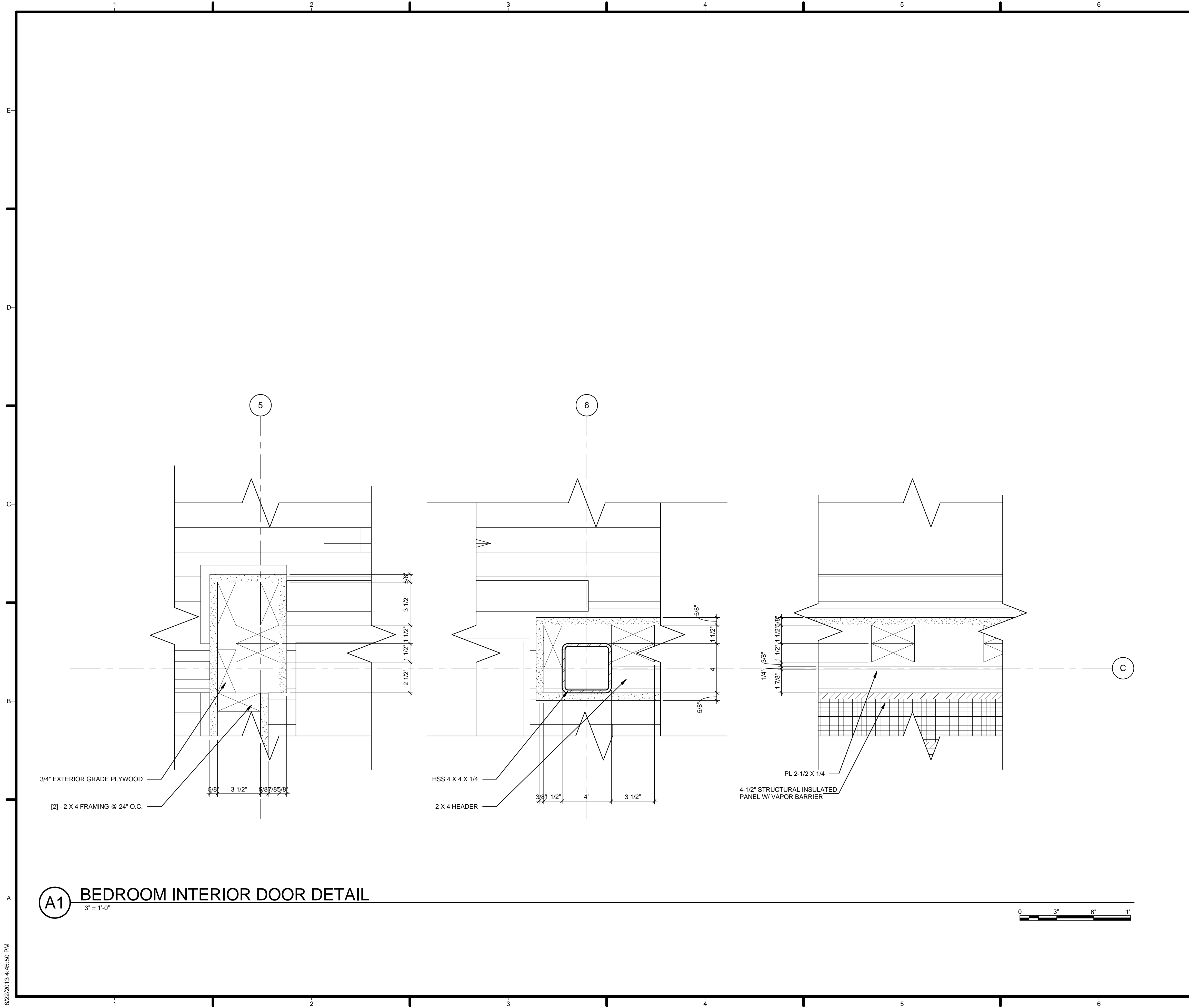
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A1 BEDROOM INTERIOR DOOR DETAIL
3" = 1'-0"

GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A7	HSS 4 X 4 X 1/4
05 12 23.C1	PL 2-1/2 X 1/4
06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.A7	2 X 4 HEADER
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD

SHEET KEYNOTES

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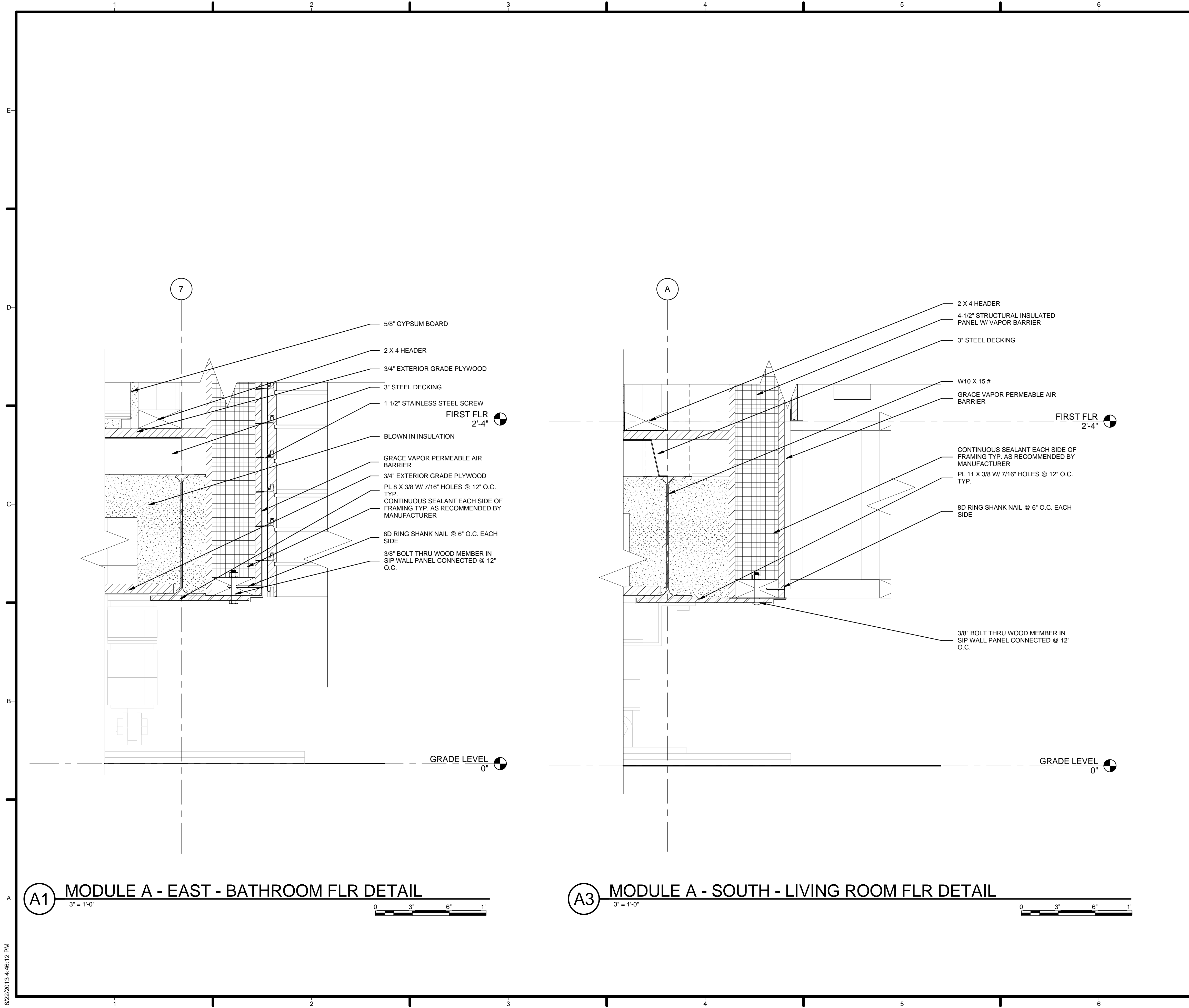
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GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A4	W10 X 15 #
05 12 23.B3	PL 11 X 3/8 W/ 7/16\" HOLES @ 12\" O.C. TYP.
05 12 23.C5	PL 8 X 3/8 W/ 7/16\" HOLES @ 12\" O.C. TYP.
05 31 12	3\" STEEL DECKING
06 11 00.A7	2 X 4 HEADER
06 12 00.A2	4-1/2\" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4\" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 21 13.A4	BLOWN IN INSULATION
09 29 10.A3	5/8\" GYPSUM BOARD

SHEET KEYNOTES

02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6\" O.C. EACH SIDE
12	3/8\" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12\" O.C.
92	1 1/2\" STAINLESS STEEL SCREW



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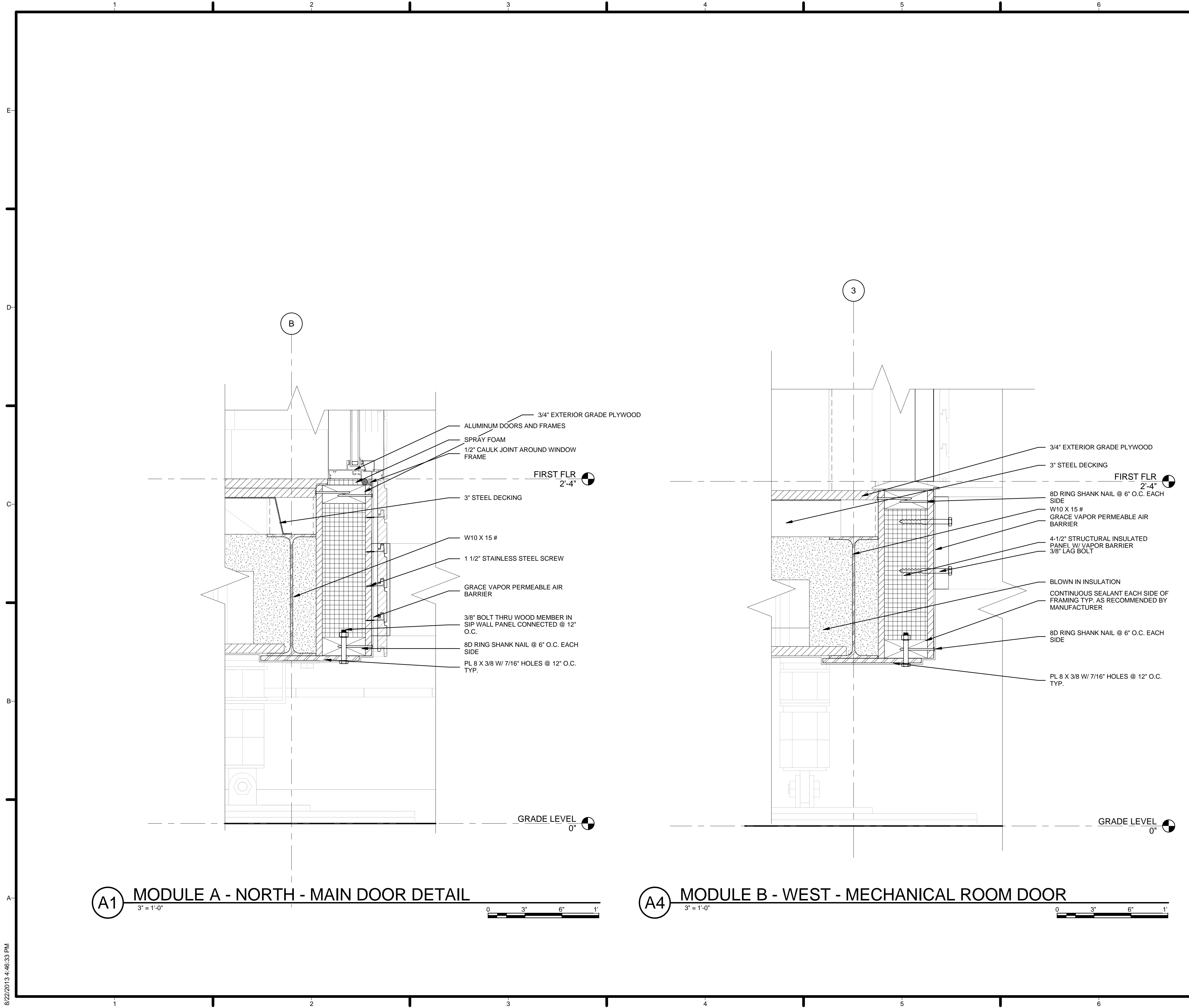
MARK	DATE	DESCRIPTION
4	2013.08.22	As-Built Submission
3	2013.02.04	100% CD Submission
2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

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SHEET TITLE
FLOOR DETAILS

A-511

8/22/2013 4:46:12 PM



GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A4	W10 X 15 #
05 12 23.C5	PL 8 X 3/8 W/ 7/16\" HOLES @ 12\" O.C. TYP.
05 31 12	3\" STEEL DECKING
06 12 00.A2	4-1/2\" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4\" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 21 13.A4	BLOWN IN INSULATION
08 11 16	ALUMINUM DOORS AND FRAMES

SHEET KEYNOTES

02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6\" O.C. EACH SIDE
12	3/8\" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12\" O.C.
14	1/2\" CAULK JOINT AROUND WINDOW FRAME
89	SPRAY FOAM
92	1 1/2\" STAINLESS STEEL SCREW
93	3/8\" LAG BOLT



HARVEST | TEAM CAPITOL DC

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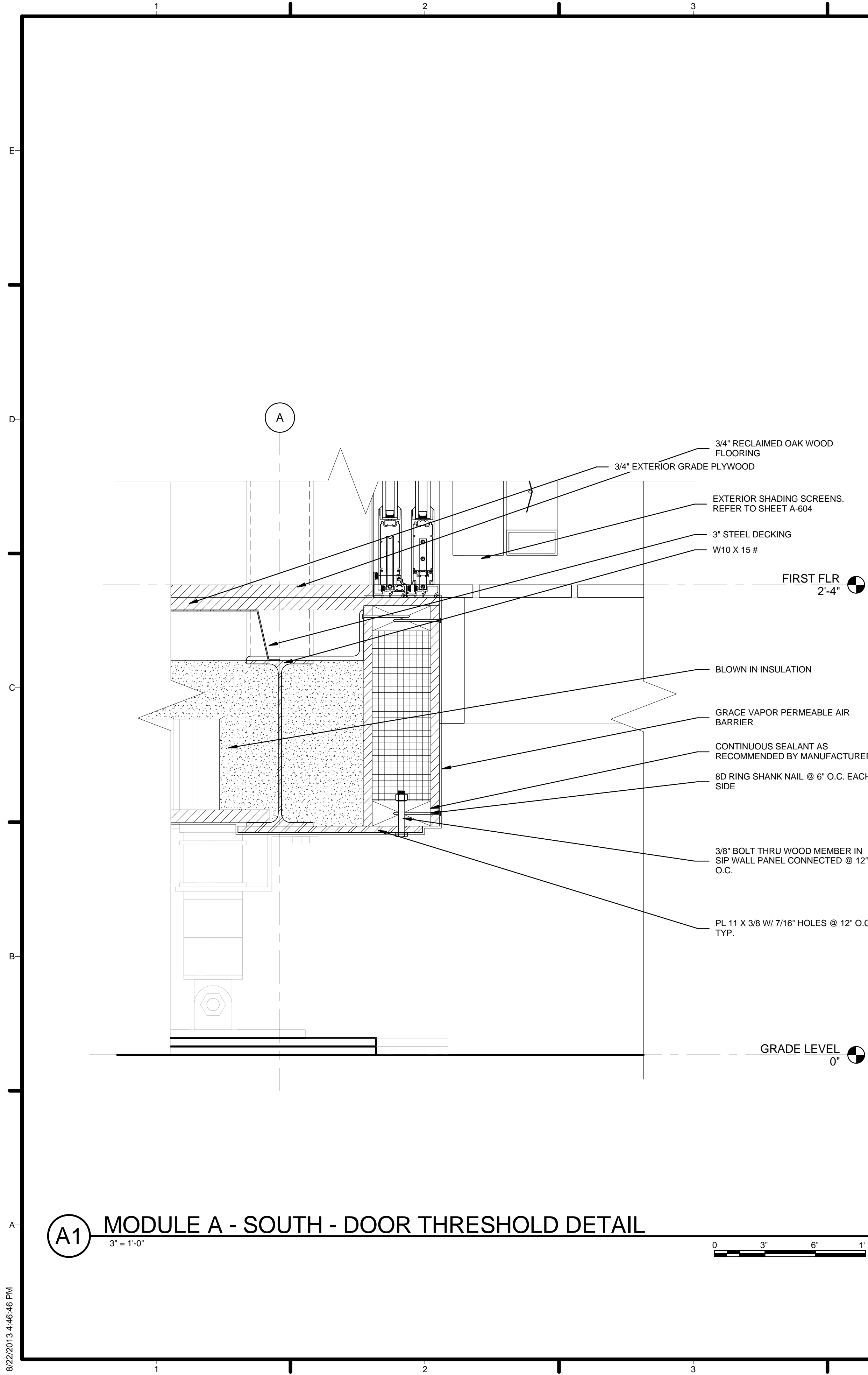
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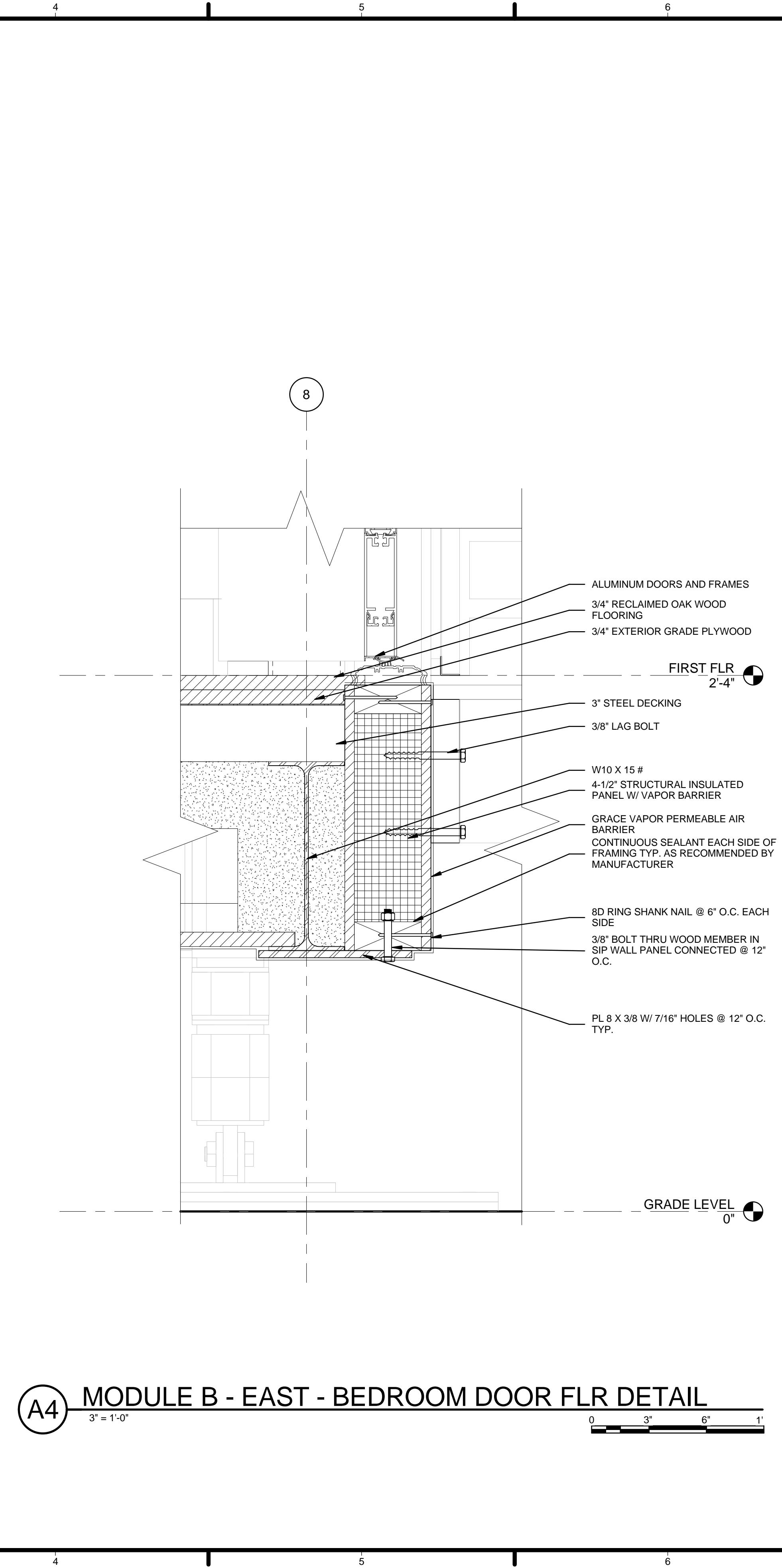
SHEET TITLE
FLOOR DETAILS

A-512

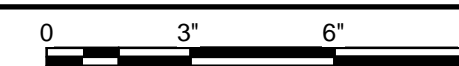
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A1 MODULE A - SOUTH - DOOR THRESHOLD DETAIL
3" = 1'-0"



A4 MODULE B - EAST - BEDROOM DOOR FLR DETAIL
3" = 1'-0"



GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A4	W10 X 15 #
05 12 23.A7	HSS 4 X 4 X 1/4
05 12 23.B3	PL 11 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.C5	PL 8 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.E1	ADJUSTABLE STEEL FOOTING
05 31 12	3" STEEL DECKING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 21 13.A4	BLOWN IN INSULATION
08 11 16	ALUMINUM DOORS AND FRAMES
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
03	CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
37	EXTERIOR SHADING SCREENS. REFER TO SHEET A-604
93	3/8" LAG BOLT



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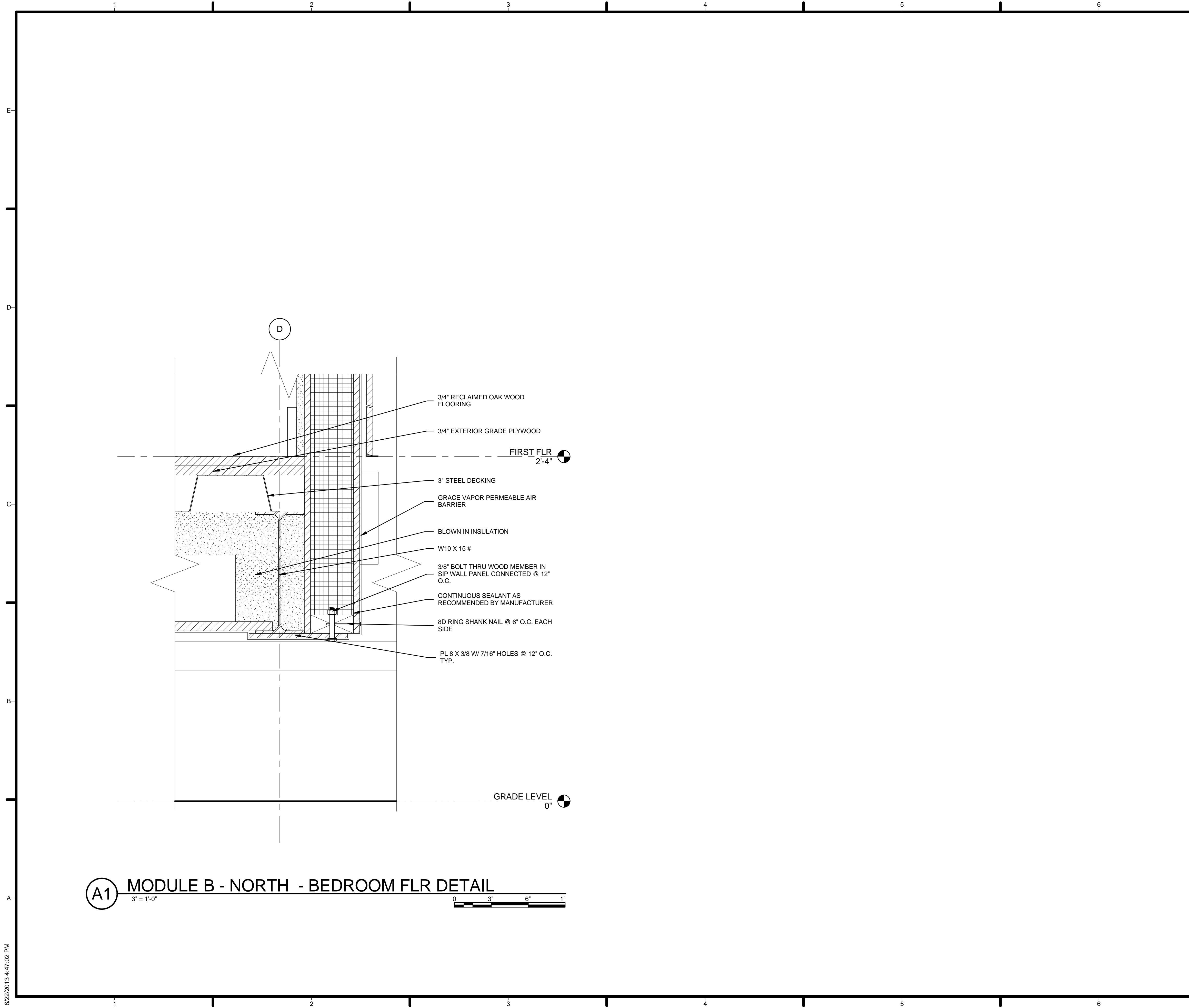
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SHEET TITLE
FLOOR DETAILS

A-513

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(A1) MODULE B - NORTH - BEDROOM FLR DETAIL
 3" = 1'-0"
 0 3' 6' 1'

GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A4	W10 X 15 #
05 12 23.B1	1/4" STEEL PLATE
05 12 23.C5	PL 8 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 31 12	3" STEEL DECKING
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 21 13.A4	BLOWN IN INSULATION
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

03	CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.



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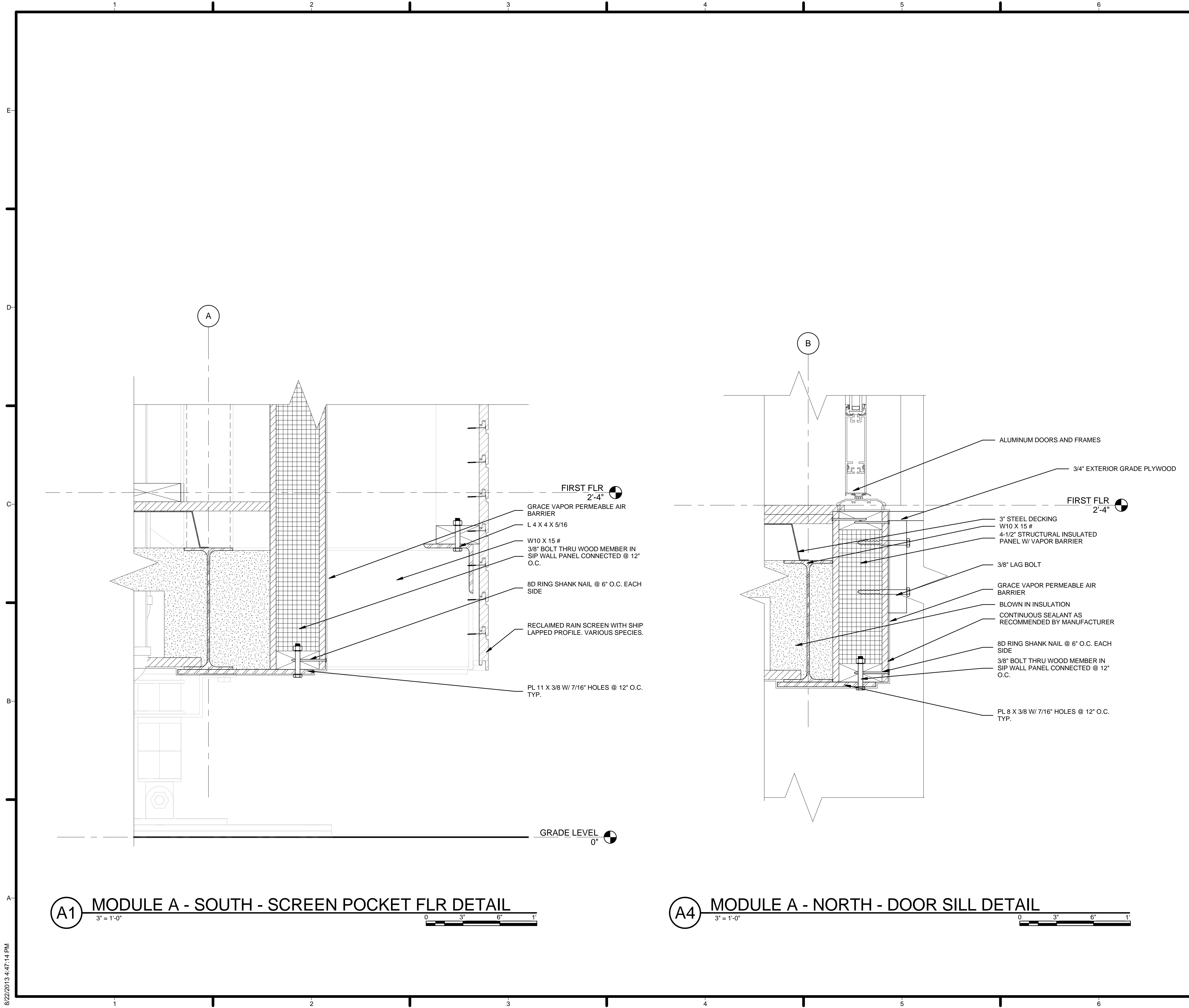
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SHEET TITLE

FLOOR DETAILS

A-514



GENERAL SHEET NOTES

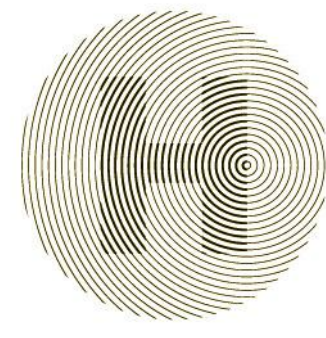
1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A4	W10 X 15 #
05 12 23.B3	PL 11 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.C2	L 4 X 4 X 5/16
05 12 23.C5	PL 8 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.E1	ADJUSTABLE STEEL FOOTING
05 31 12	3" STEEL DECKING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 21 13.A4	BLOWN IN INSULATION
08 11 16	ALUMINUM DOORS AND FRAMES

SHEET KEYNOTES

03	CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
93	3/8" LAG BOLT
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.



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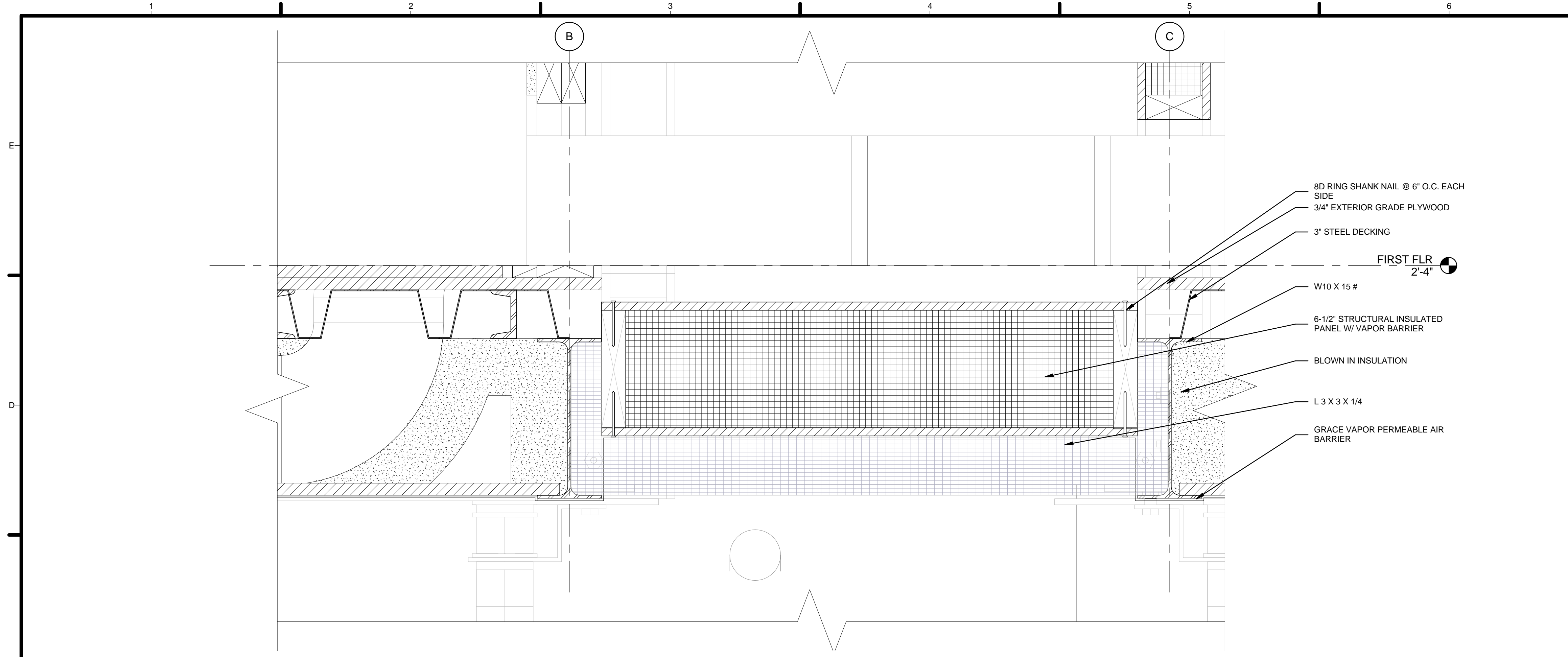
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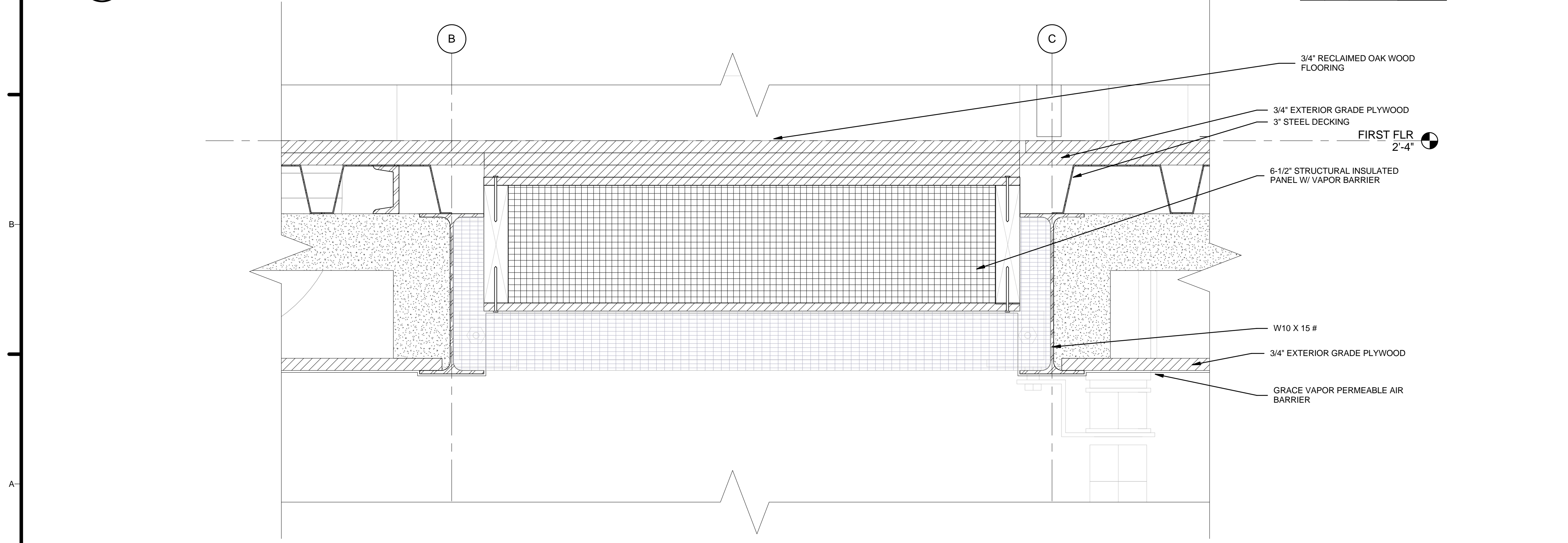
FLOOR DETAILS

A-515

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C1 KITCHEN/MECHANICAL SEPERATION - FLR DETAIL
3" = 1'-0"



A1 BATHROOM/BEDROOM SEPERATION - FLR DETAIL
3" = 1'-0"



GENERAL SHEET NOTES

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2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A4	W10 X 15 #
05 12 23.B1	1/4" STEEL PLATE
05 12 23.C1	PL 2-1/2 X 1/4
05 12 23.C5	PL 8 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.C7	L 3 X 3 X 1/4
05 31 12	3" STEEL DECKING
06 11 00.A7	2 X 4 HEADER
06 11 00.B1	2 X 6 STUD
06 11 00.B6	2 X 6
06 12 00.A3	6-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 21 13.A4	BLOWN IN INSULATION
09 29 10.A3	5/8" GYPSUM BOARD
09 30 13	FLORIDA TILES - 12X12 - OYSTER
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
----	--

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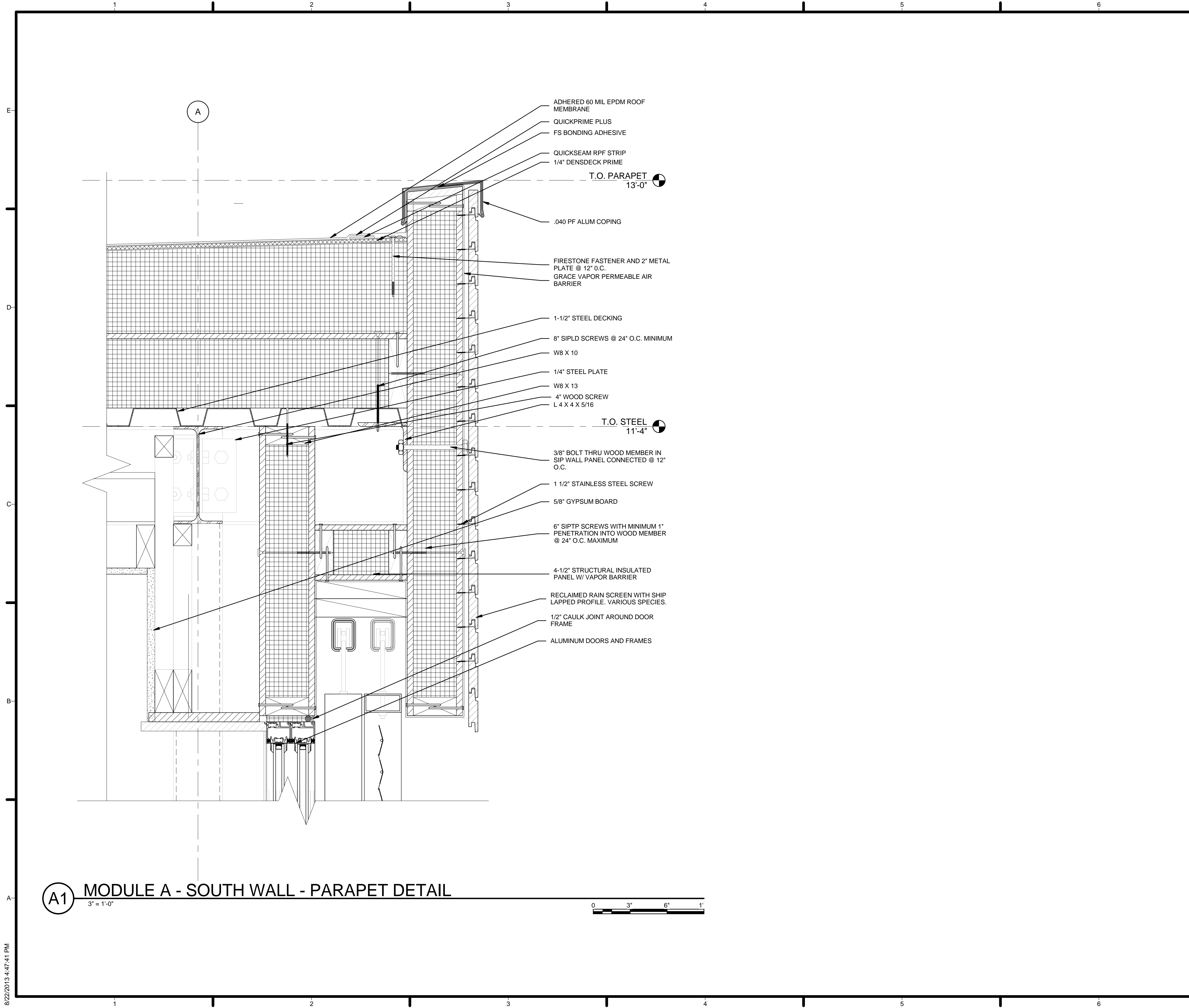
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SHEET TITLE
FLOOR DETAILS

A-516

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GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 12 23.A2	W8 X 13
05 12 23.B1	1/4" STEEL PLATE
05 12 23.C2	L 4 X 4 X 5/16
05 31 23	1-1/2" STEEL DECKING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4" DENSDACK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
07 71 17	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.
08 11 16	ALUMINUM DOORS AND FRAMES
09 29 10.A3	5/8" GYPSUM BOARD

SHEET KEYNOTES

12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
47	1/2" CAULK JOINT AROUND DOOR FRAME
81	8" SIPLD SCREWS @ 24" O.C. MINIMUM
82	6" SIPTP SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
84	4" WOOD SCREW
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.



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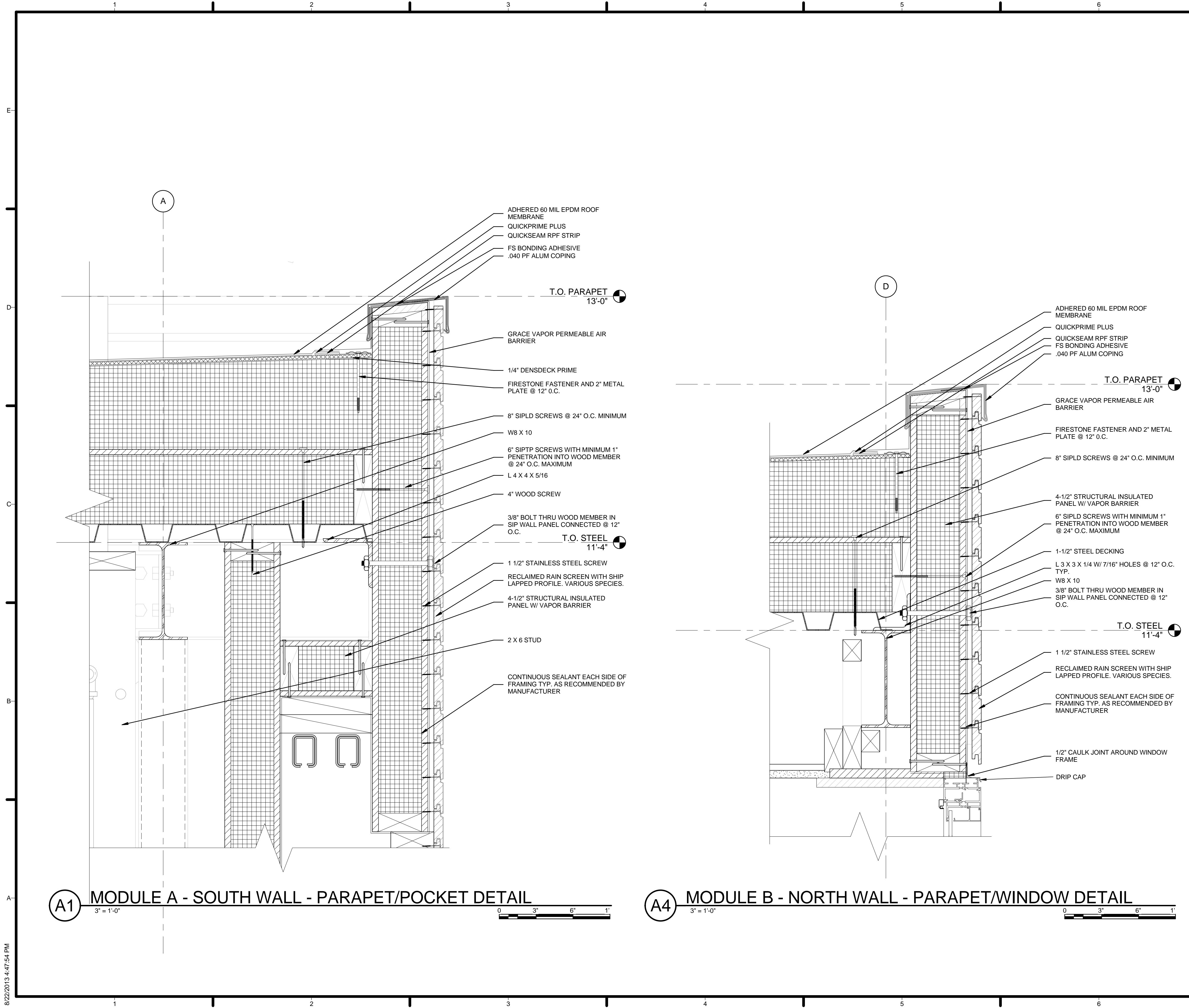
SHEET TITLE
ROOF DETAILS

A-521

A1 MODULE A - SOUTH WALL - PARAPET DETAIL
3" = 1'-0"



8/22/2013 4:47:41 PM



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 12 23.C2	L 4 X 4 X 5/16
05 12 23.C6	L 3 X 3 X 1/4 W/ 7/16" HOLES @ 12" O.C. TYP.
05 31 23	1-1/2" STEEL DECKING
06 11 00.B1	2 X 6 STUD
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
07 71 17	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
14	1/2" CAULK JOINT AROUND WINDOW FRAME
81	8" SIPLD SCREWS @ 24" O.C. MINIMUM
82	6" SIPTP SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
84	4" WOOD SCREW
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE, VARIOUS SPECIES.

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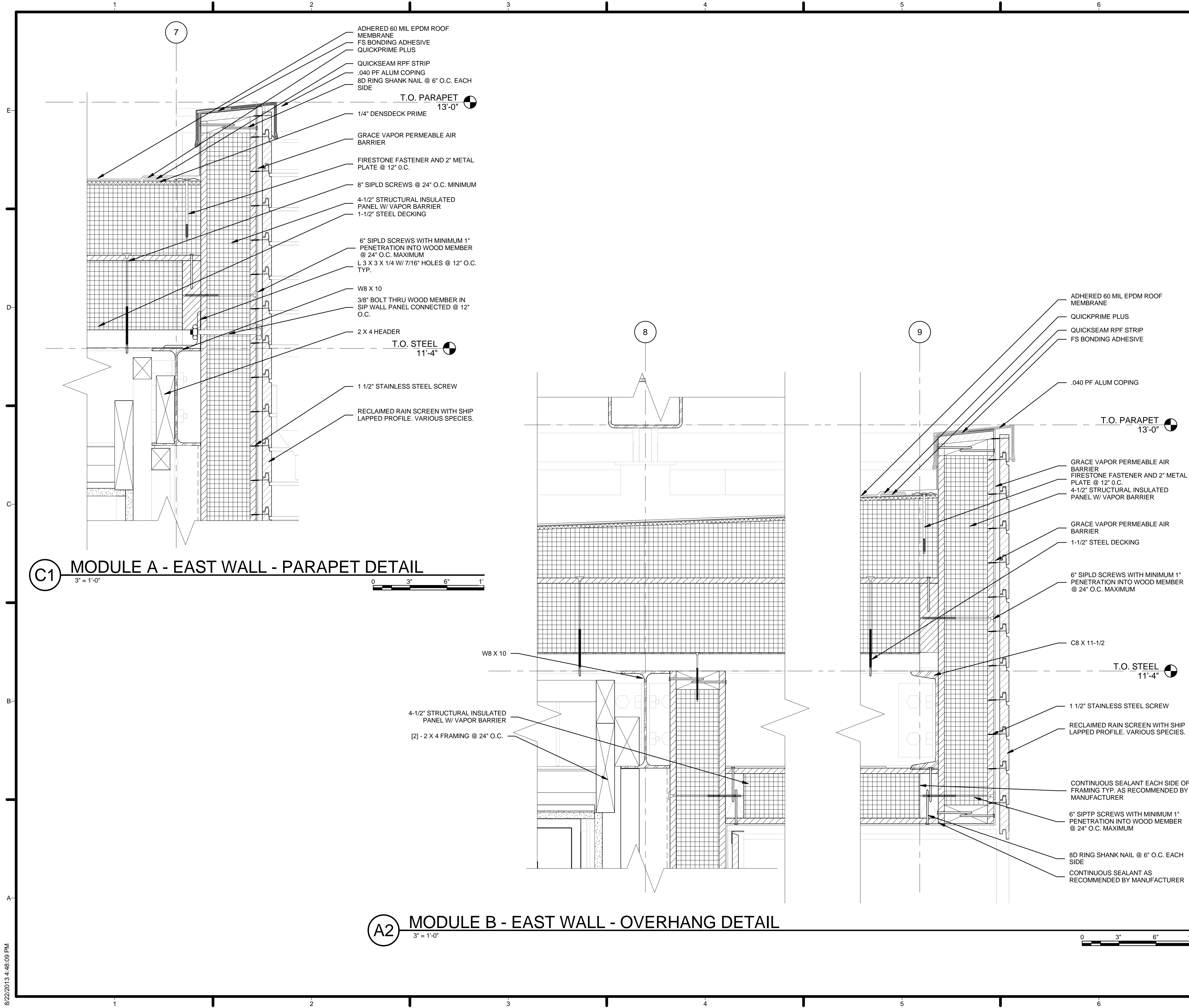
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ROOF DETAILS

A-522



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 12 23.C6	L 3 X 3 X 1/4 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.F1	C8 X 11-1/2
05 31 23	1-1/2" STEEL DECKING
06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.A7	2 X 4 HEADER
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
07 71 17	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
03	CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
81	8" SIPLD SCREWS @ 24" O.C. MINIMUM
82	6" SIPTP SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.

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MARK	DATE	DESCRIPTION
4	2013.08.22	As-Built Submission
3	2013.02.04	100% CD Submission
2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

LOT NUMBER: 115

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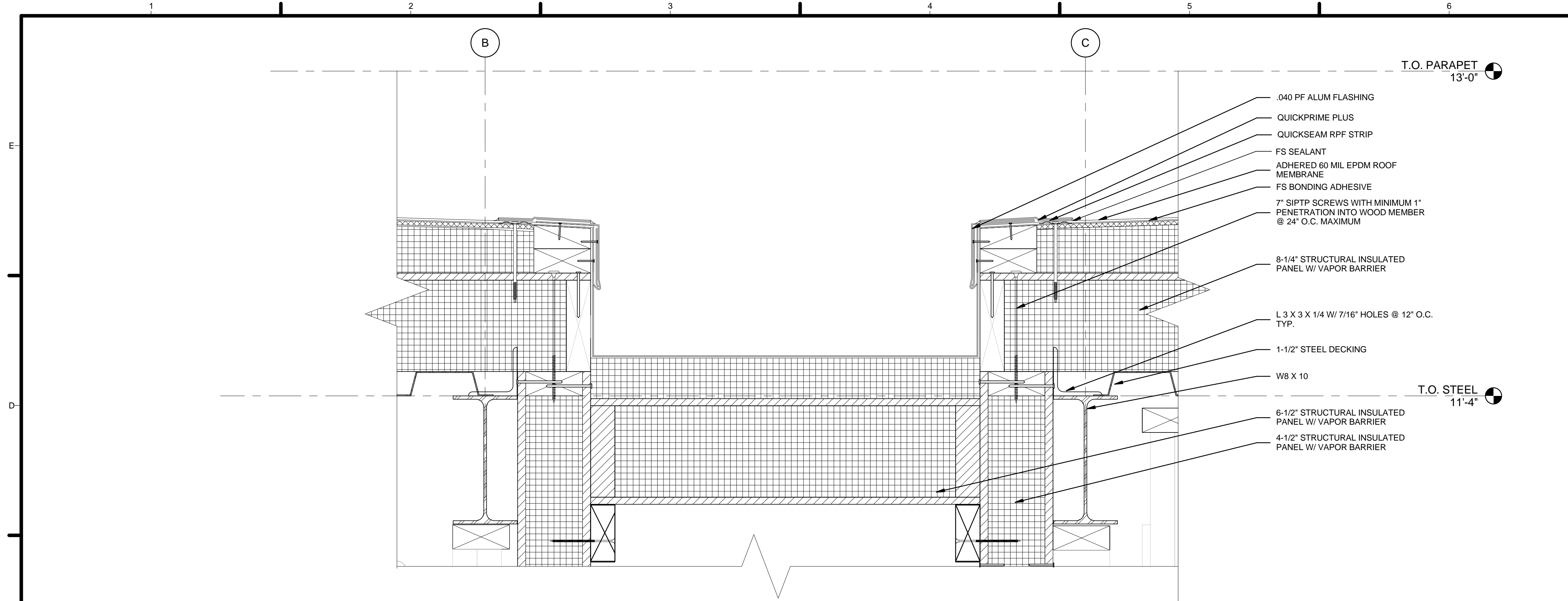
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SHEET TITLE

ROOF DETAILS

A-523

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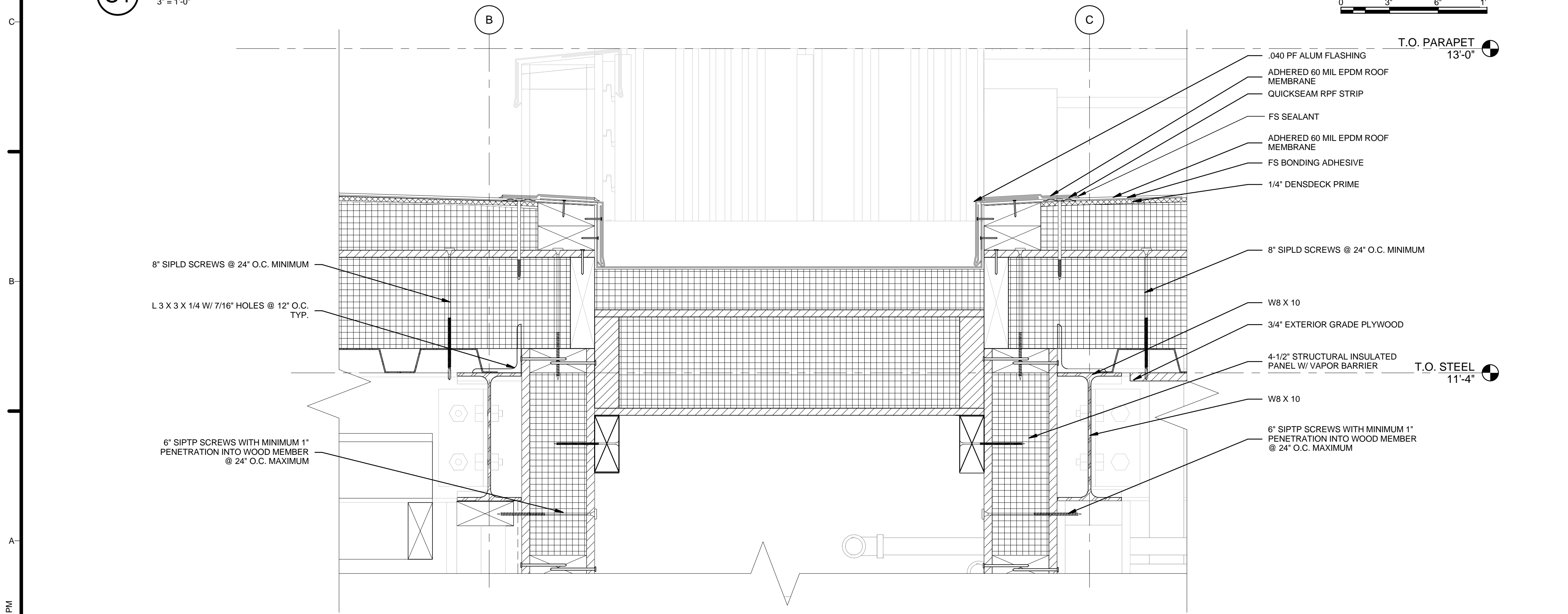
GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

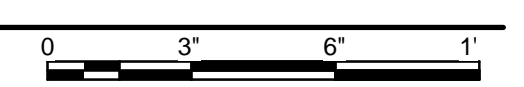
REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 12 23.C6	L 3 X 3 X 1/4 W/ 7/16\" Holes @ 12\" O.C. TYP.
05 12 23.D1	STEEL CRANE ATTACHMENT
05 31 23	1-1/2\" STEEL DECKING
06 11 00.A7	2 X 4 HEADER
06 12 00.A1	8-1/4\" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 12 00.A2	4-1/2\" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 12 00.A3	6-1/2\" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4\" EXTERIOR GRADE PLYWOOD
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A6	.040 PF ALUM FLASHING
07 71 14	1/4\" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
09 29 10.A3	5/8\" GYPSUM BOARD

C1 BATHROOM/BEDROOM SEPERATION - PARAPET DETAIL
3\" = 1'-0\"



A1 KITCHEN/MECHANICAL SEPERATION - PARAPET DETAIL
3\" = 1'-0\"



SHEET KEYNOTES

81	8\" SIPLD SCREWS @ 24\" O.C. MINIMUM
82	8\" SIPTP SCREWS WITH MINIMUM 1\" PENETRATION INTO WOOD MEMBER @ 24\" O.C. MAXIMUM
86	7\" SIPTP SCREWS WITH MINIMUM 1\" PENETRATION INTO WOOD MEMBER @ 24\" O.C. MAXIMUM

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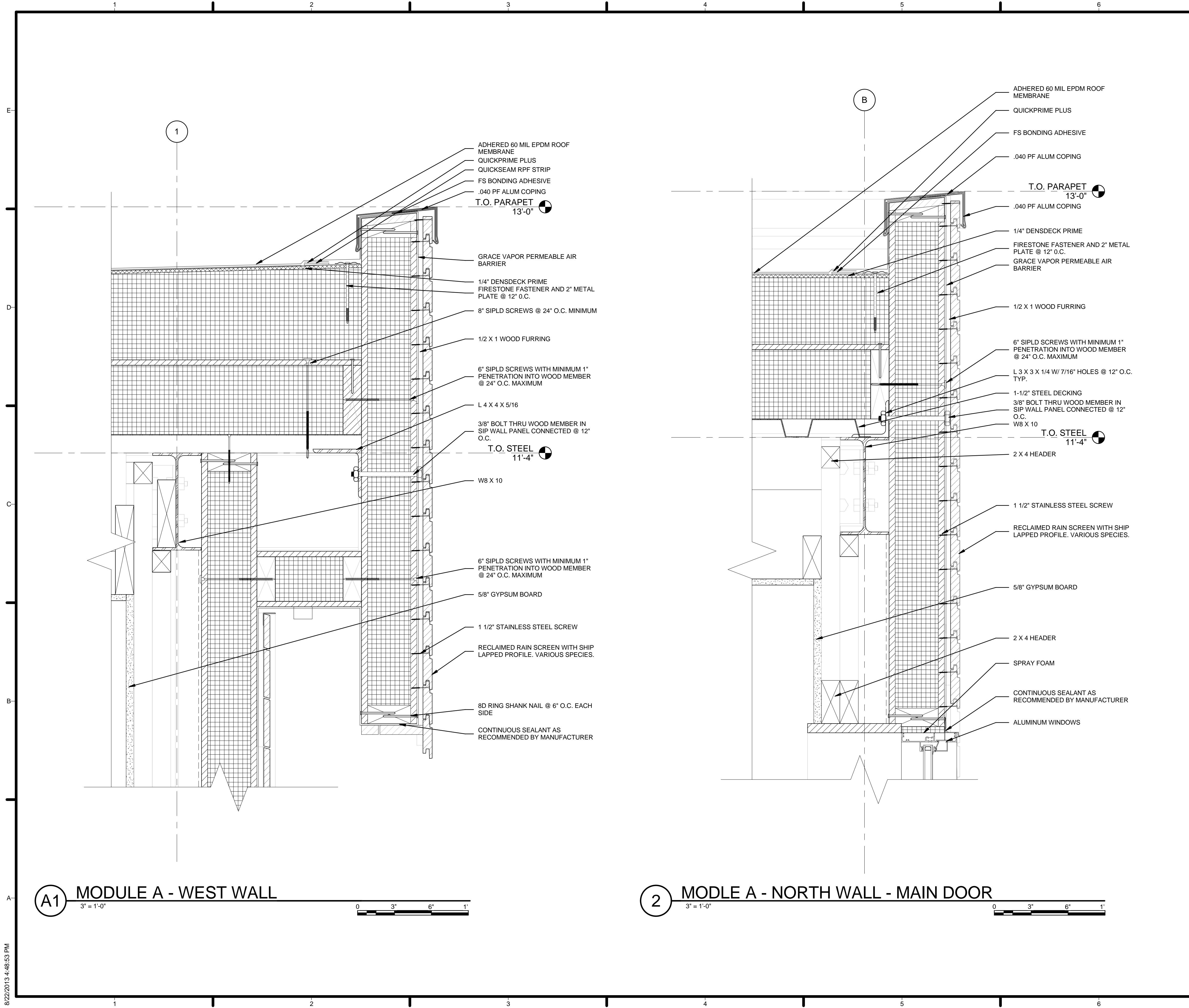
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GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 12 23.C2	L 4 X 4 X 5/16
05 12 23.C6	L 3 X 3 X 1/4 W/ 7/16" HOLES @ 12" O.C. TYP.
05 31 23	1-1/2" STEEL DECKING
06 11 00.A7	2 X 4 HEADER
06 11 00.F1	1/2 X 1 WOOD FURRING
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.
08 51 13	ALUMINUM WINDOWS
09 29 10.A3	5/8" GYPSUM BOARD

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
03	CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
81	8" SIPLD SCREWS @ 24" O.C. MINIMUM
89	SPRAY FOAM
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.

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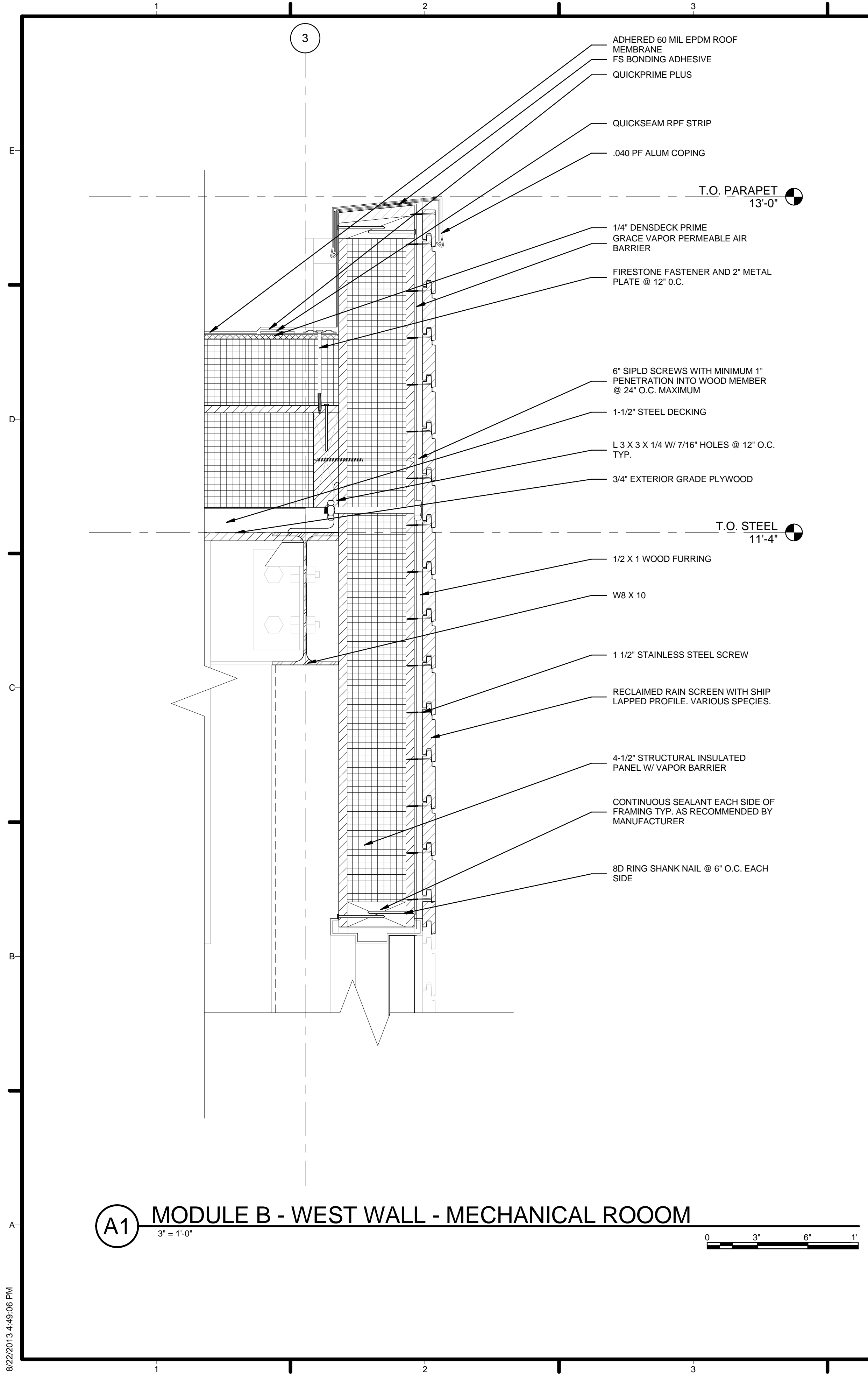
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A1 MODULE B - WEST WALL - MECHANICAL ROOM
 3" = 1'-0"
 0 3' 6' 1'

GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 12 23.C6	L 3 X 3 X 1/4 W/ 7/16" HOLES @ 12" O.C. TYP.
05 31 23	1-1/2" STEEL DECKING
06 11 00.F1	1/2 X 1 WOOD FURRING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
07 71 17	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.



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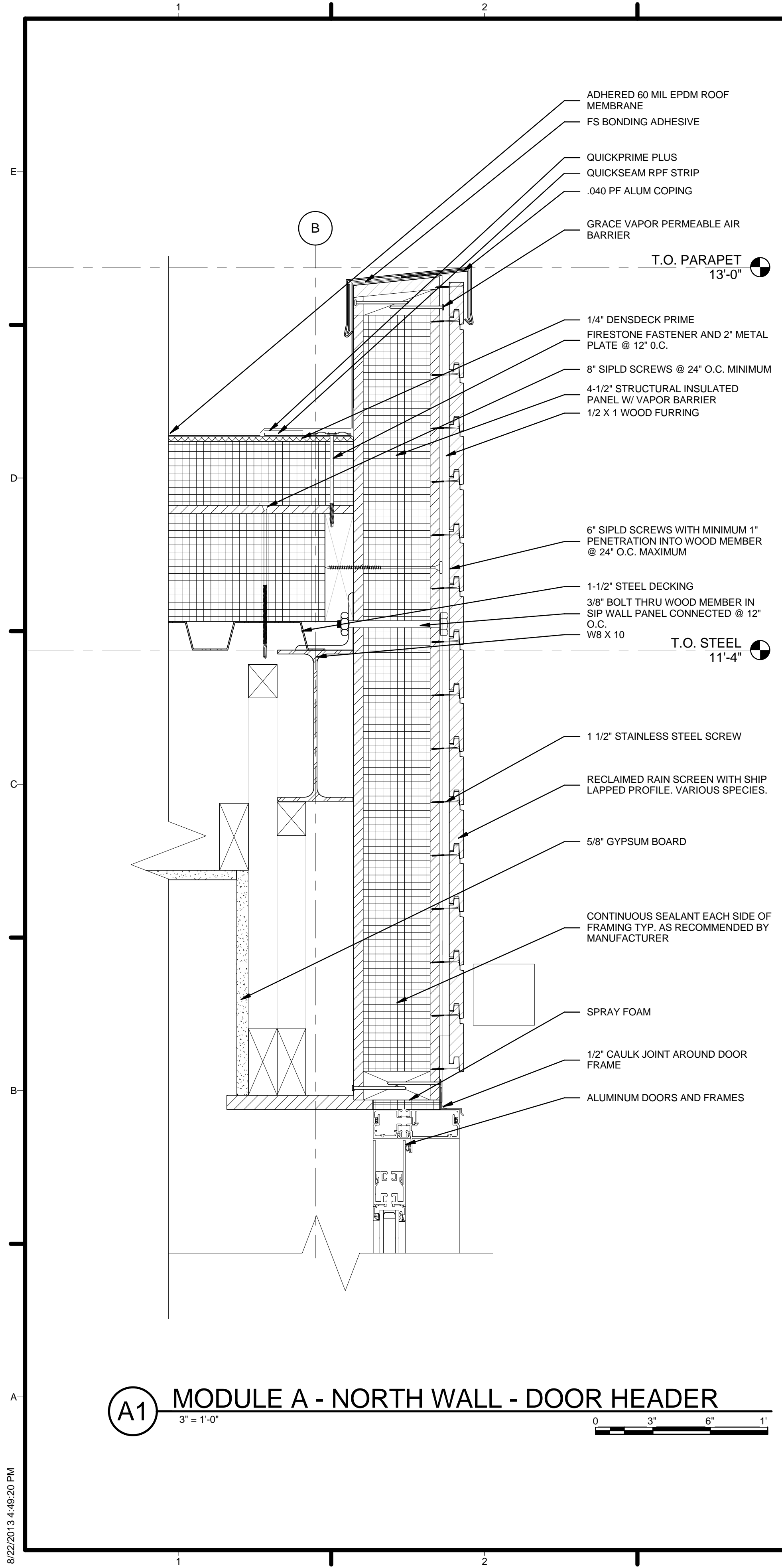
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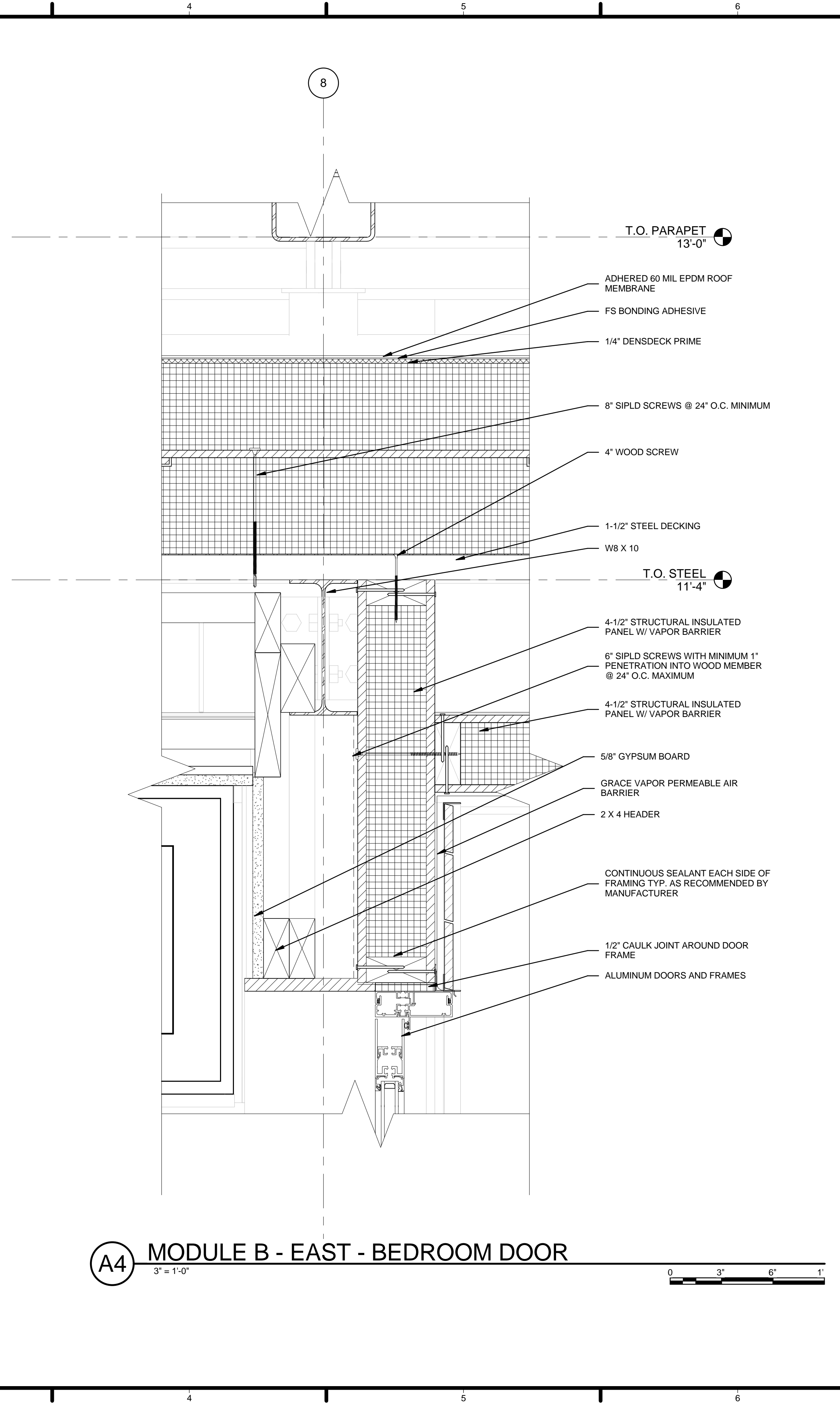
SHEET TITLE
ROOF DETAILS

A-526

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A1 MODULE A - NORTH WALL - DOOR HEADER
3" = 1'-0"



A4 MODULE B - EAST - BEDROOM DOOR
3" = 1'-0"



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 31 23	1-1/2" STEEL DECKING
06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.A7	2 X 4 HEADER
06 11 00.F1	1/2 X 1 WOOD FURRING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
07 71 17	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.
08 11 16	ALUMINUM DOORS AND FRAMES
09 29 10.A3	5/8" GYPSUM BOARD

SHEET KEYNOTES

01	6" SIPLD SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
02	CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
47	1/2" CAULK JOINT AROUND DOOR FRAME
81	8" SIPLD SCREWS @ 24" O.C. MINIMUM
84	4" WOOD SCREW
89	SPRAY FOAM
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.

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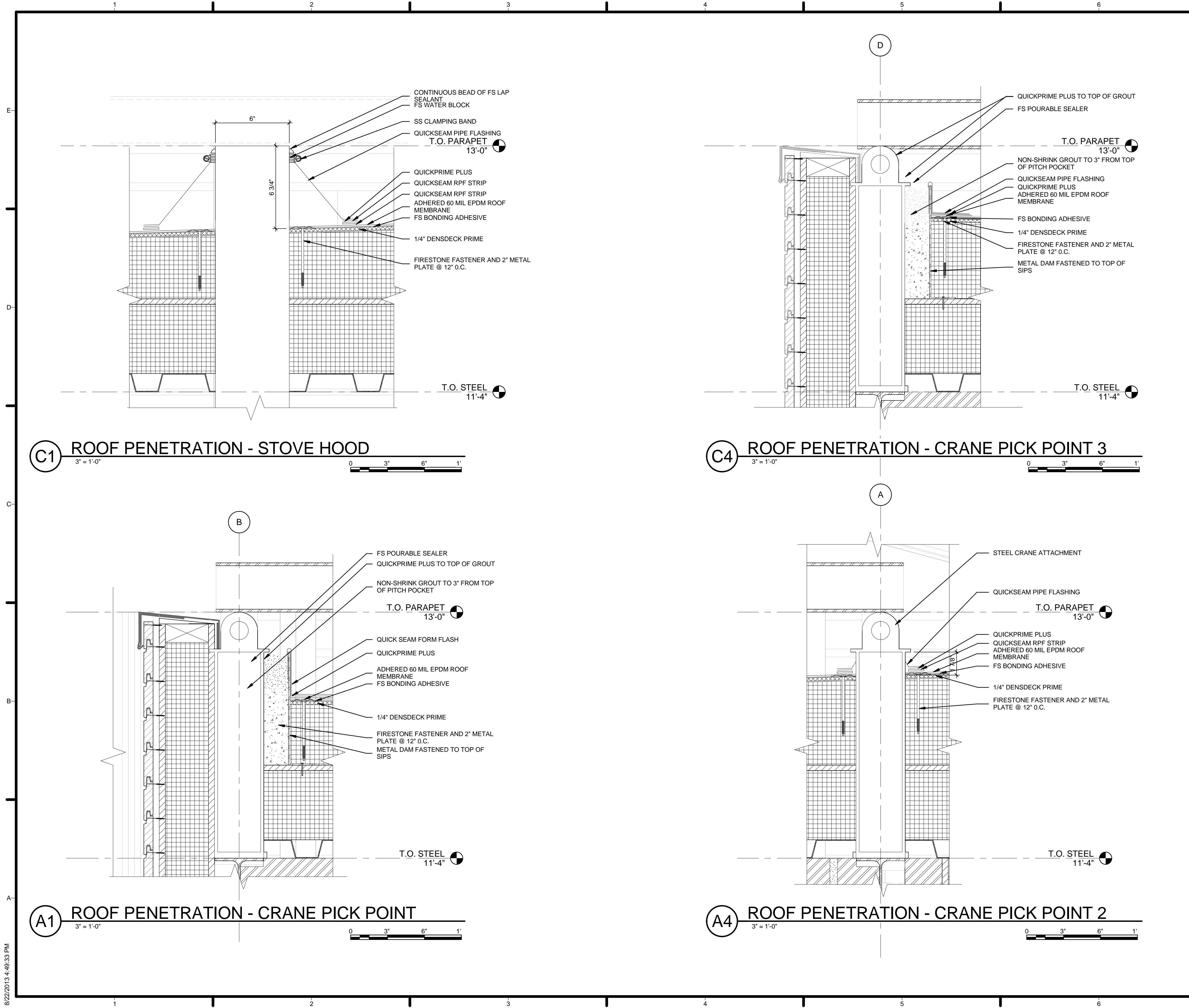
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A-527



GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.D1	STEEL CRANE ATTACHMENT
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 53 26	FS POURABLE SEALER
07 62 00.A7	METAL DAM FASTENED TO TOP OF SIPS
07 71 14	1/4" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
07 71 17	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.
07 71 19	QUICKSEAM PIPE FLASHING
07 71 20	CONTINUOUS BEAD OF FS LAP SEALANT
07 71 21	SS CLAMPING BAND
07 71 22	FS WATER BLOCK
07 71 23	QUICKPRIME PLUS TO TOP OF GROUT
07 71 24	NON-SHRINK GROUT TO 3" FROM TOP OF PITCH POCKET
07 71 25	QUICK SEAM FORM FLASH

SHEET KEYNOTES

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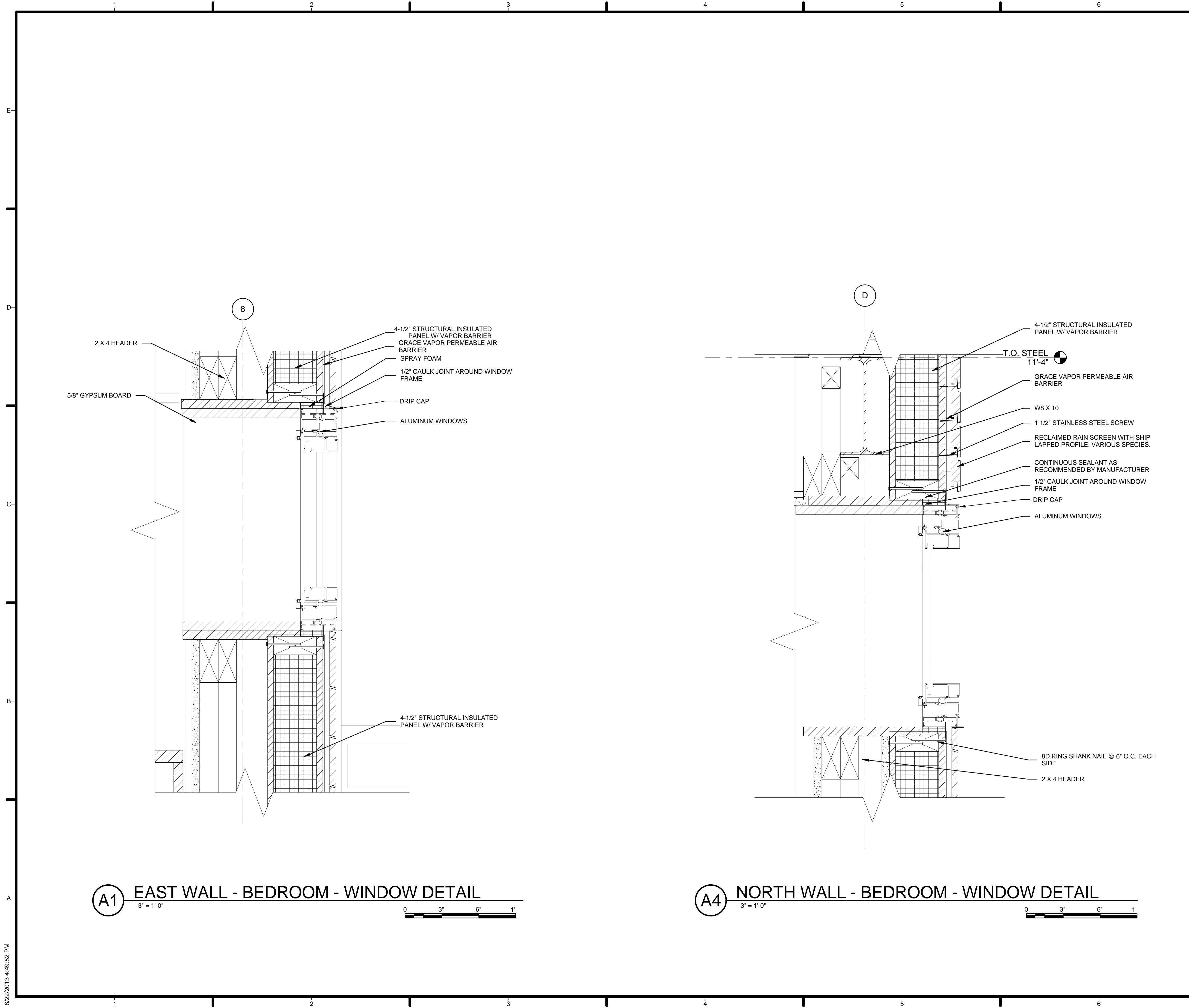
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ROOF DETAILS

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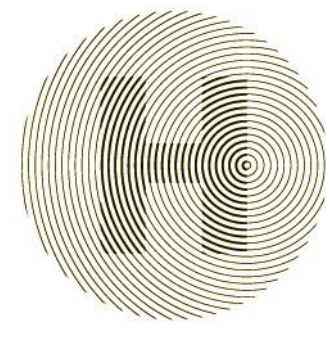
1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
06 11 00.A7	2 X 4 HEADER
06 12 00.A2	4-1/2\"/>
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
08 51 13	ALUMINUM WINDOWS
09 29 10.A3	5/8\"/>

SHEET KEYNOTES

03	CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER
04	8D RING SHANK NAIL @ 6\"/>
14	1/2\"/>
89	SPRAY FOAM
92	1 1/2\"/>
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.



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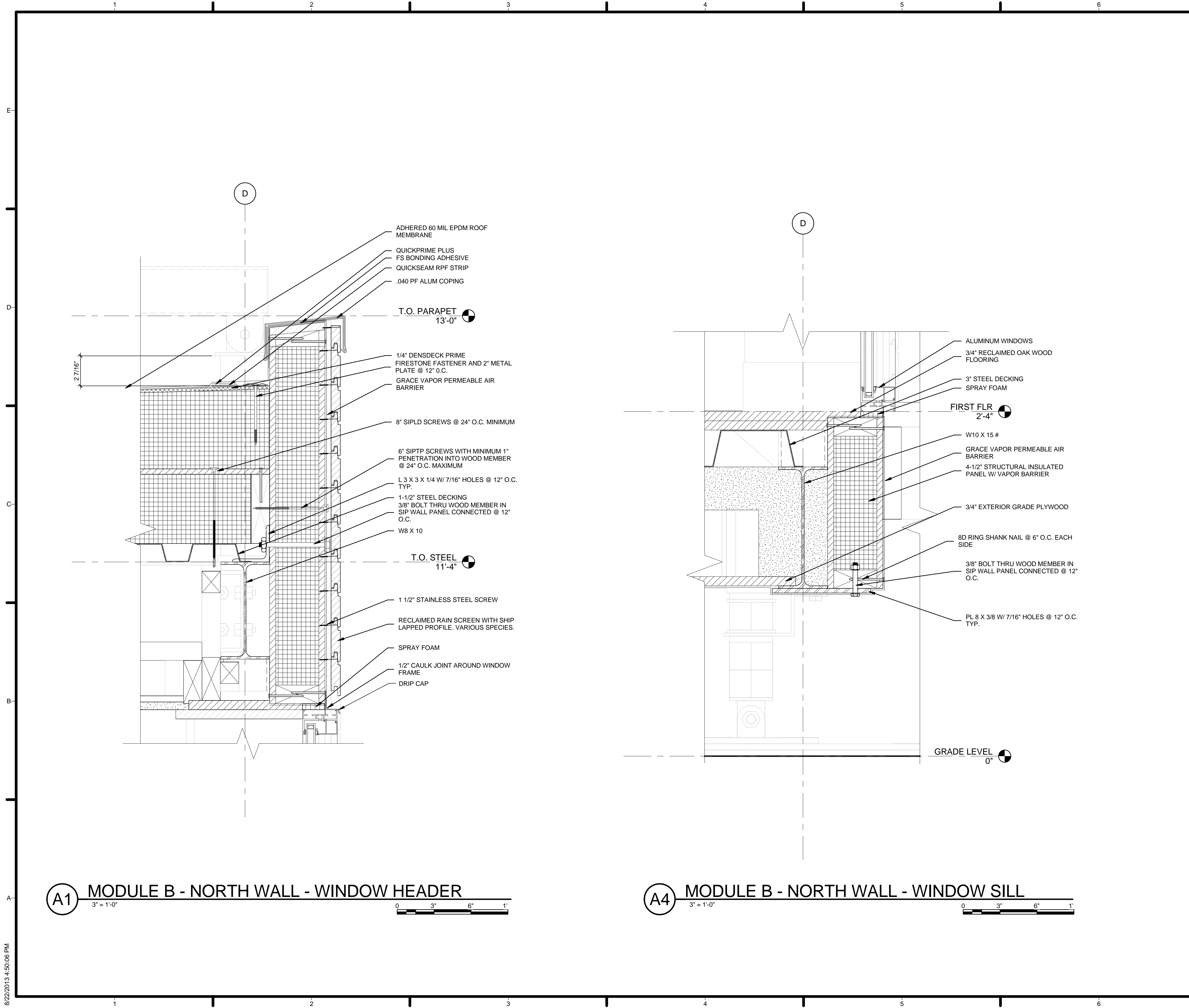
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GENERAL SHEET NOTES


1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 12 23.A4	W10 X 15 #
05 12 23.C5	PL 8 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.C6	L 3 X 3 X 1/4 W/ 7/16" HOLES @ 12" O.C. TYP.
05 31 12	3" STEEL DECKING
05 31 23	1-1/2" STEEL DECKING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
07 53 23	ADHERED 60 MIL EPDM ROOF MEMBRANE
07 53 24	FS BONDING ADHESIVE
07 62 00.A5	.040 PF ALUM COPING
07 71 14	1/4" DENSDECK PRIME
07 71 15	QUICKSEAM RPF STRIP
07 71 16	QUICKPRIME PLUS
07 71 17	FIRESTONE FASTENER AND 2" METAL PLATE @ 12" O.C.
08 51 13	ALUMINUM WINDOWS
09 64 29	3/4" RECLAIMED OAK WOOD FLOORING

SHEET KEYNOTES

04	8D RING SHANK NAIL @ 6" O.C. EACH SIDE
12	3/8" BOLT THRU WOOD MEMBER IN SIP WALL PANEL CONNECTED @ 12" O.C.
14	1/2" CAULK JOINT AROUND WINDOW FRAME
81	8" SIPLD SCREWS @ 24" O.C. MINIMUM
82	6" SIPTP SCREWS WITH MINIMUM 1" PENETRATION INTO WOOD MEMBER @ 24" O.C. MAXIMUM
89	SPRAY FOAM
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE. VARIOUS SPECIES.



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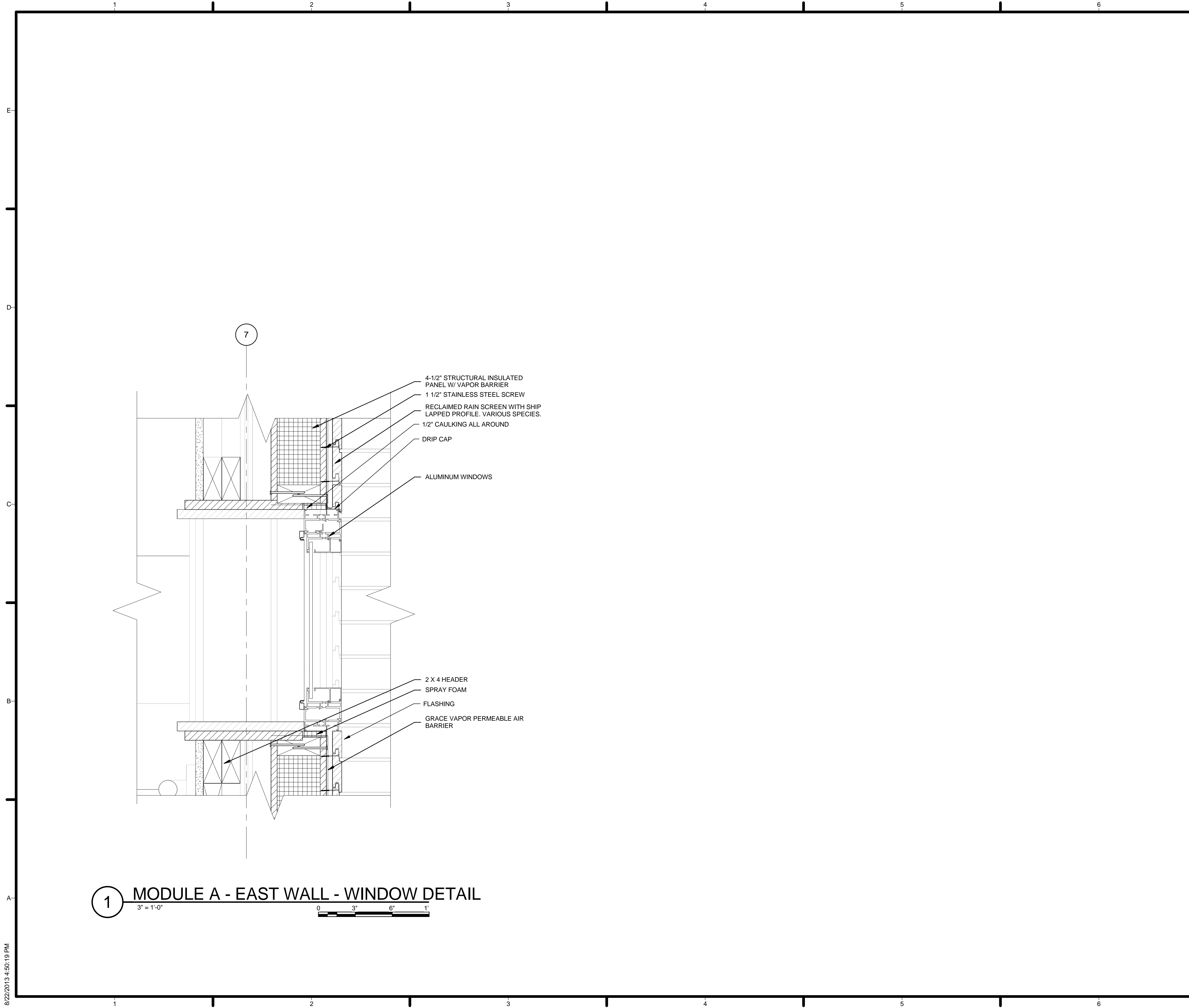
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WINDOW DETAILS

A-532

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1 MODULE A - EAST WALL - WINDOW DETAIL
 3" = 1'-0"
 0 3" 6" 1'

GENERAL SHEET NOTES

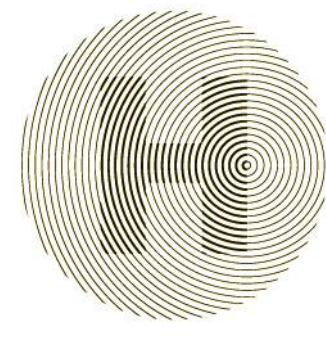
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2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

06 11 00.A7	2 X 4 HEADER
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 10 01	GRACE VAPOR PERMEABLE AIR BARRIER
08 51 13	ALUMINUM WINDOWS

SHEET KEYNOTES

89	SPRAY FOAM
92	1 1/2" STAINLESS STEEL SCREW
94	RECLAIMED RAIN SCREEN WITH SHIP LAPPED PROFILE, VARIOUS SPECIES.



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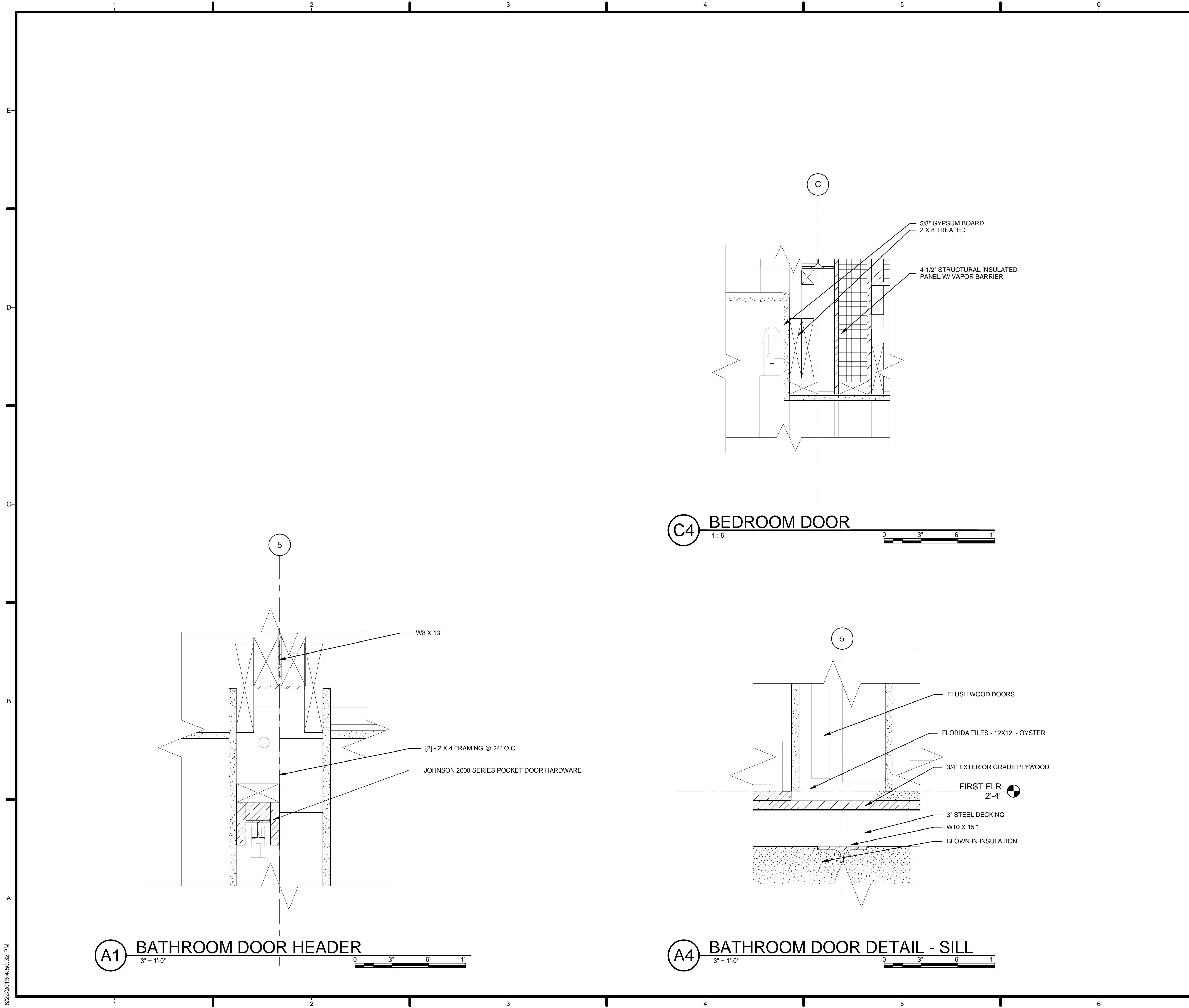


MARK	DATE	DESCRIPTION
4	2013.08.22	As-Built Submission
3	2013.02.04	100% CD Submission
2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

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SHEET TITLE
WINDOW DETAILS

A-533




GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY

REFERENCE KEYNOTES

05 12 23.A2	W8 X 13
05 12 23.A5	W10 X 15 *
05 31 12	3" STEEL DECKING
06 11 00.A3	[2] - 2 X 4 FRAMING @ 24" O.C.
06 11 00.C4	2 X 8 TREATED
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
06 16 00.B3	3/4" EXTERIOR GRADE PLYWOOD
07 21 13.A4	BLOWN IN INSULATION
08 14 16	FLUSH WOOD DOORS
09 29 10.A3	5/8" GYPSUM BOARD
09 30 13	FLORIDA TILES - 12X12 - OYSTER

SHEET KEYNOTES



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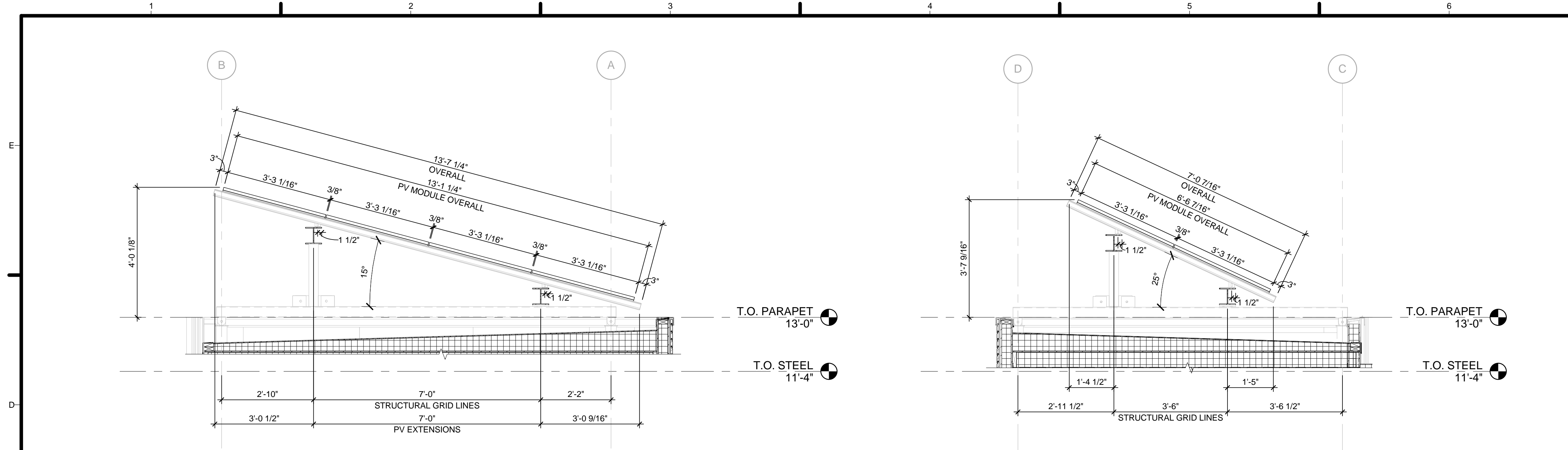
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SHEET TITLE

INTERIOR DOOR DETAILS

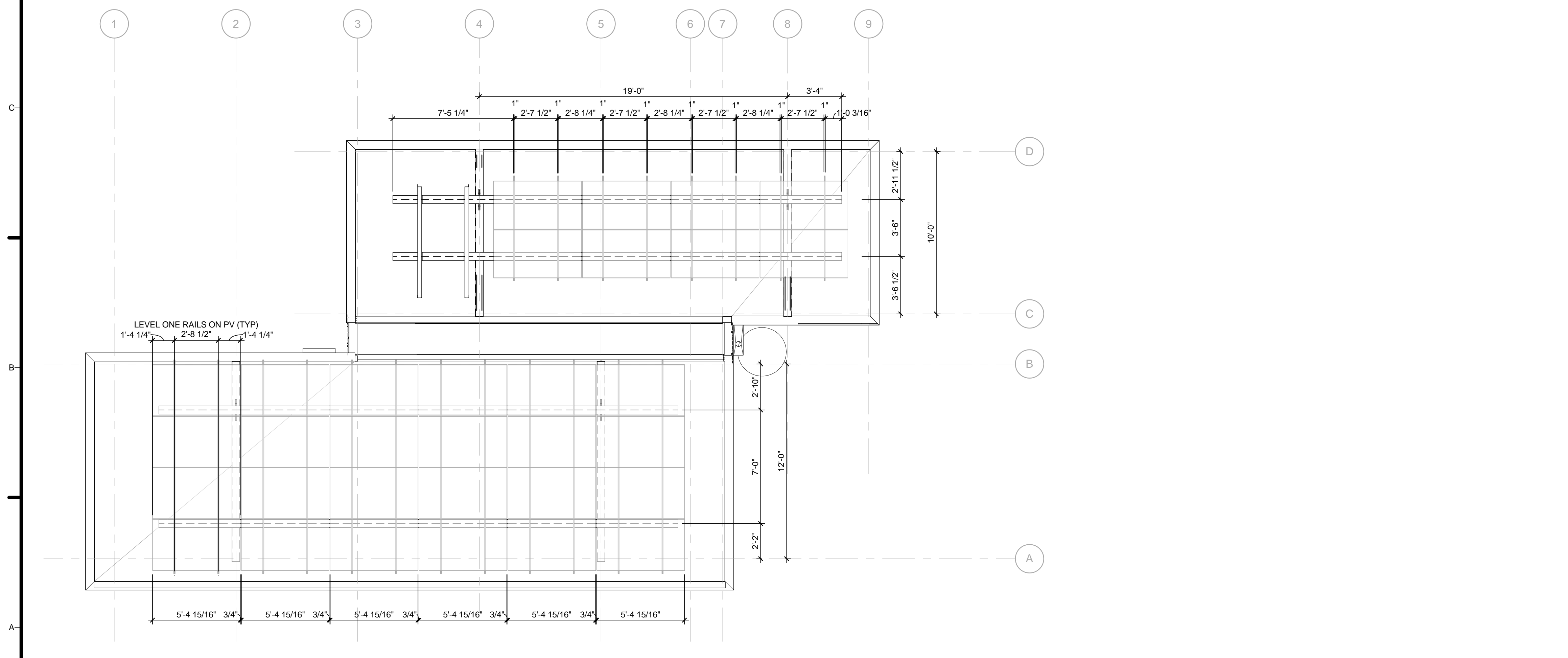
A-541

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D1 MODULE A - WEST PV SECTION
1/2" = 1'-0"

D4 MODULE B - WEST PV SECTION
1/2" = 1'-0"




A1 SOLAR PANEL ARRAY PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE STRUCTURAL DRAWINGS FOR STEEL SUPPORT SYSTEM

REFERENCE KEYNOTES

SHEET KEYNOTES



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SHEET TITLE
PV MOUNTING DETAILS

A-551

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FLOOR SCHEDULE				
MARK	MANUFACTURER	DESCRIPTION	COMMENTS	Area
INT	RECLAIMED	2" RECLAIMED OAK	BEDROOM	191 SF
INT	RECLAIMED	2" RECLAIMED OAK	LIVING ROOM/KITCHEN	364 SF
INT	MOSA TILES	WHITE/BEIGE TILES	BATHROOM	48 SF
INT: 3				603 SF
Grand total: 3				603 SF

ROOM FINISH SCHEDULE									
ROOM NO	ROOM NAME	FLOOR	BASE	FINISH			CEILING HEIGHT	COMMENTS	Area
				WALL	CEILING				
101	MECHANICAL	EXPOSED	EXPOSED	EXPOSED	EXPOSED	EXPOSED	8'-0"		67 SF
102	BEDROOM	RECLAIMED OAK	4" WIDE BY 3/4" BASE PLATE	SHERWIN WILLIAMS (GYB BD. EXTRA WHITE)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		163 SF
103	LIVING	RECLAIMED OAK	4" WIDE BY 3/4" BASE PLATE	SHERWIN WILLIAMS (GYB BD. EXTRA WHITE)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		160 SF
104	KITCHEN	RECLAIMED OAK	4" WIDE BY 3/4" BASE PLATE	SHERWIN WILLIAMS (GYB BD. EXTRA WHITE)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		204 SF
105	BATHROOM	FLORIDA TILES	4" WIDE BY 3/4" BASE PLATE	KEYSTONE PROGETTO CASA, OYSTER)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	8'-0"		47 SF
105.A	SHOWER	FLORIDA TILES	N/A	KEYSTONE PROGETTO CASA, OYSTER)	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	SHERWIN WILLIAMS PAINTED GYP BD., EXTRA WHITE	7'-0"		23 SF

Wall Schedule							
Mark	Type	Fire Rating	Structural Usage	Description	Family	Comments	Type Mark
	SD - Ext - 2x4 Cavity		Non-bearing		Basic Wall	BEDROOM OVERHANG	
	SD - Ext - Door Cavity		Non-bearing		Basic Wall	SOUTH CAVITY	
	SD - Ext - Sip 4.5"		Non-bearing		Basic Wall	MECHANICAL ROOM	
	SD - Ext - Sip 4.5"/2X4 Mech		Non-bearing		Basic Wall	MECHANICAL ROOM	
	SD - Ext - SIP - Parapet		Non-bearing		Basic Wall	PARAPET	
	SD - Ext - SIP/2x4		Non-bearing		Basic Wall	BEDROOM/MAIN	
	SD - Ext - SIP/2x4 - 7" Air		Non-bearing		Basic Wall	MAIN SOUTH	
	SD - Ext - SIP/2x4 Bedroom Separation		Non-bearing		Basic Wall	BEDROOM/MAIN	
	SD - Ext - SIP/2x6		Non-bearing		Basic Wall	MAIN SOUTH	
	SD - Int - 2x4		Non-bearing		Basic Wall	BATHROOM	E

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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MARK	DATE	DESCRIPTION
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SHEET TITLE

SCHEDULES

A-601


WINDOW SCHEDULE																		
MARK	COUNT	ROUGH OPENING		TYPE	MANUFACTURER	MODEL	MATERIAL	FINISH	DETAIL			GLAZING	GLAZING		U VALUE	SHGC	HEAD HEIGHT	COMMENTS
		WIDTH	HEIGHT						HEAD	JAMB	SILL	THICKNESS	TYPE					
02a	1	13'-3"	1'-6"	WW 5 LITE WINDOW	WESTERN	SERIES 700	ALUMINUM	BRONZE ANODIZED	A-531	A-503/A-504	A-531	1/8"	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILLED		.45	.18	8'-0"	
02b	1	1'-6"	8'-0"	WW SINGLE FIXED WINDOW	WESTERN	SERIES 700	ALUMINUM	BRONZE ANODIZED	A-532	A-503	A-532	1/8"	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILLED		.33	.24	8'-0"	
02c	1	4'-0"	1'-6"	WW SINGLE AWNING WINDOW	WESTERN	SERIES 700	ALUMINUM	BRONZE ANODIZED	A-531	A-505	A-531	1/8"	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILLED		.45	.18	4'-10 3/4"	
03a	1	3'-6"	7'-0"	WW SINGLE FIXED WINDOW	WESTERN	SERIES 700	ALUMINUM	BRONZE ANODIZED	A-525	A-502	A-512	1/8"	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILLED		.33	.24	7'-0"	
03b	2	3'-4"	7'-0"	WW SINGLE FIXED WINDOW	WESTERN	SERIES 600	ALUMINUM	BRONZE ANODIZED	A-525	A-502	A-512	1/8"	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILLED		.33	.24	7'-0"	
05	2	3'-6"	1'-6"	WW SINGLE AWNING WINDOW	WESTERN	SERIES 700	ALUMINUM	BRONZE ANODIZED	A-533	A-505	A-533	1/8"	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILLED		.45	.18	4'-10 3/4"	

GENERAL SHEET NOTES

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2. SEE S-101 FOR FOOTING PLAN

REFERENCE KEYNOTES

SHEET KEYNOTES



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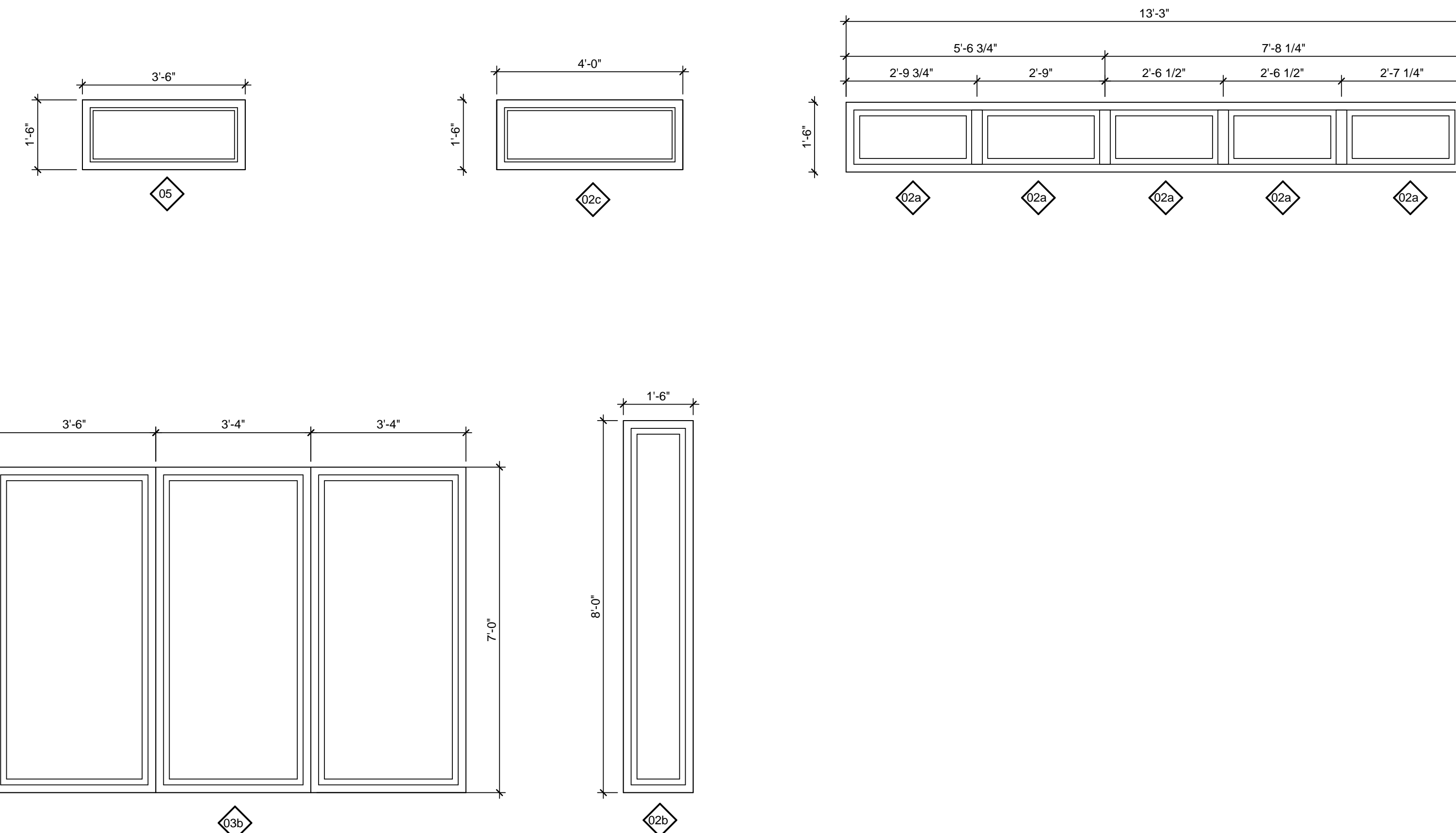
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SHEET TITLE
WINDOW SCHEDULE

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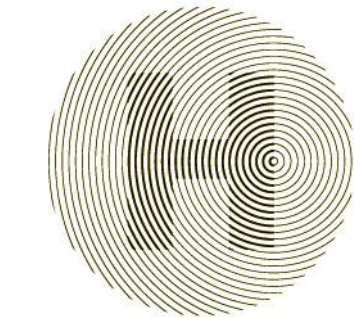


DOOR SCHEDULE

MARK	Count	DR TYPE	DR SIZE	MANUFACTURER	MODEL	FRAME TYPE	FIRE RATING	DETAILS			DESCRIPTION	U-VALUE	SH GC	FINISH	FINISH	FINISH
								HEAD	JAMB	SILL				DOOR	FRAME	COMPONENTS
101	1	101	72"W x 84"H	CECO	01 18 CRS 60 70 F	STEEL		A-526	A-503	A-512	FLUSH DOUBLE DOOR, 16 GAUGE STEEL	.41		SHERWIN WILLIAMS LIME RICKEY	BRONZE ANODIZED	STAINLESS STEEL
102a	1	102a	39"W x 84"H	WESTERN	SERIES 900	ALUMINUM		A-528	A-504	A-513	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILL	.53	.18	BRONZE ANODIZED	BRONZE ANODIZED	BRONZE ANODIZED
102b	1	102b	42"W x 84"H	TW PERRY	NA	NA		A-541 SIM	A-507 SIM	A-541 SIM	FLUSH SOLID CORE BIRCH DOOR	N/A	N/A	SHERWIN WILLIAMS EXTRA WHITE	N/A	N/A
102c	1	108	60"W x 84"H	FABRICATED	FABRICATED	NONE		A-541	NA	NA	FABRICATED	N/A	N/A	SHERWIN WILLIAMS EXTRA WHITE	N/A	N/A
103	1	103	36"W x 84"H	WESTERN	SERIES 900	ALUMINUM		A-528	A-502	A-515	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILL	.53	.18	BRONZE ANODIZED	BRONZE ANODIZED	BRONZE ANODIZED
104	1	104	85"W x 84"H	WESTERN	SERIES 600	ALUMINUM		A-521	A-505/A-504	A-513	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILL	.41	.23	BRONZE ANODIZED	BRONZE ANODIZED	BRONZE ANODIZED
104	1	104	85"W x 84"H	WESTERN	SERIES 600	ALUMINUM		A-521 SIM	A-505/A-504	A-513 SIM	INSULATED LOW E, SOLARBAN 70, ARGON GAS FILL	.41	.23	BRONZE ANODIZED	BRONZE ANODIZED	BRONZE ANODIZED
105	1	105	36"W x 84"H	TW PERRY	NA	NA		A-541	A-507	A-541	FLUSH SOLID CORE BIRCH DOOR	N/A	N/A	SHERWIN WILLIAMS EXTRA WHITE	N/A	N/A

GENERAL SHEET NOTES

- VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
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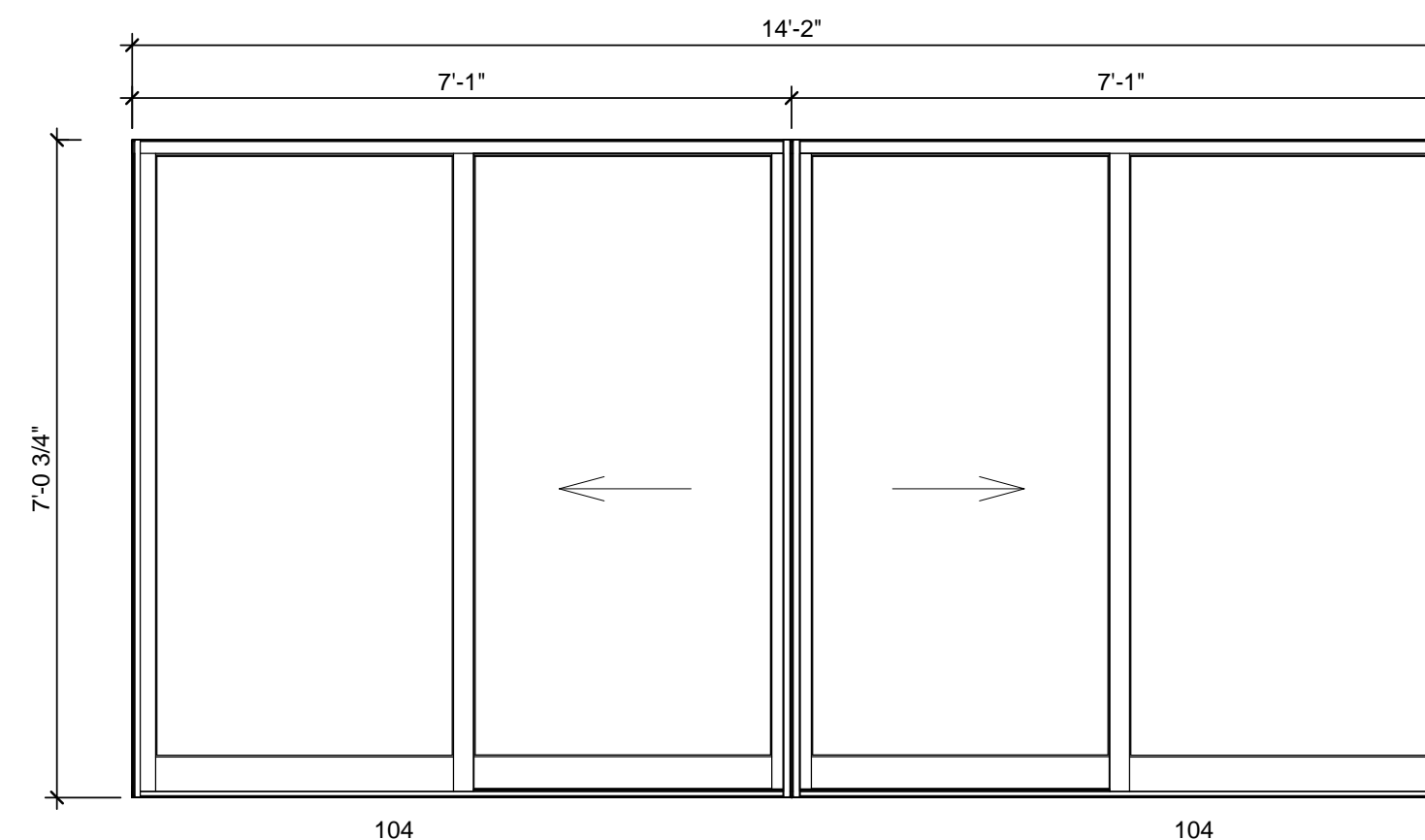
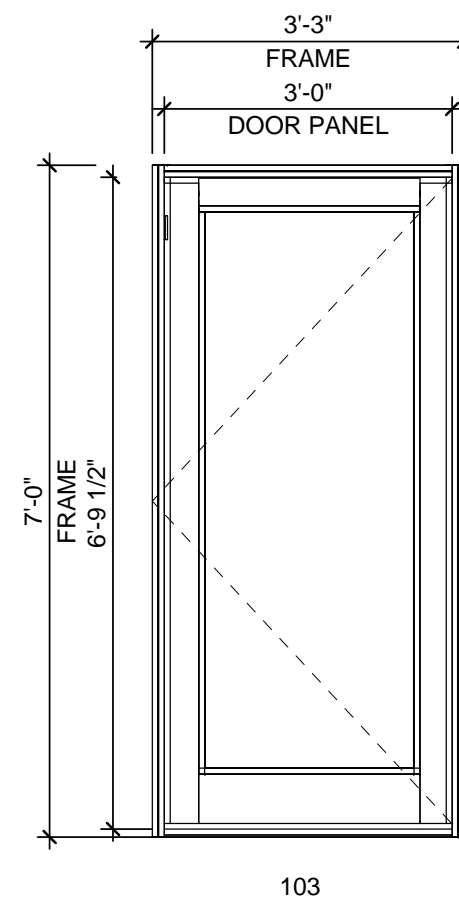
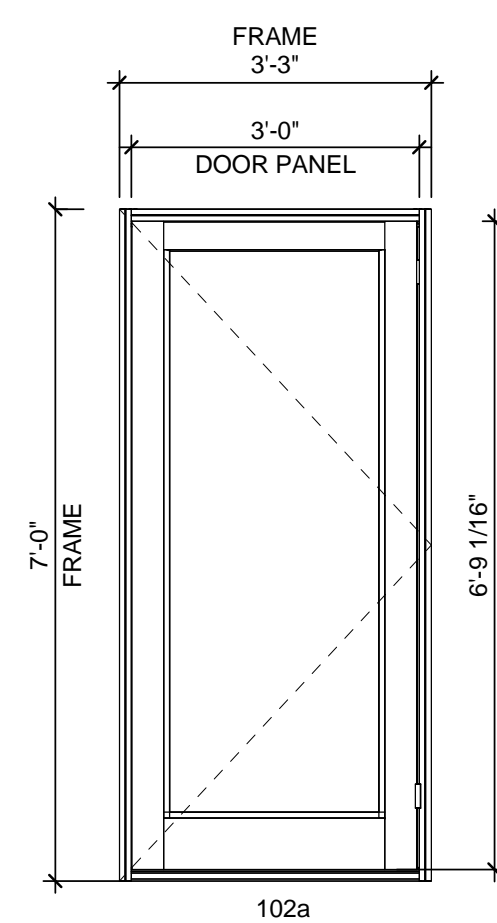
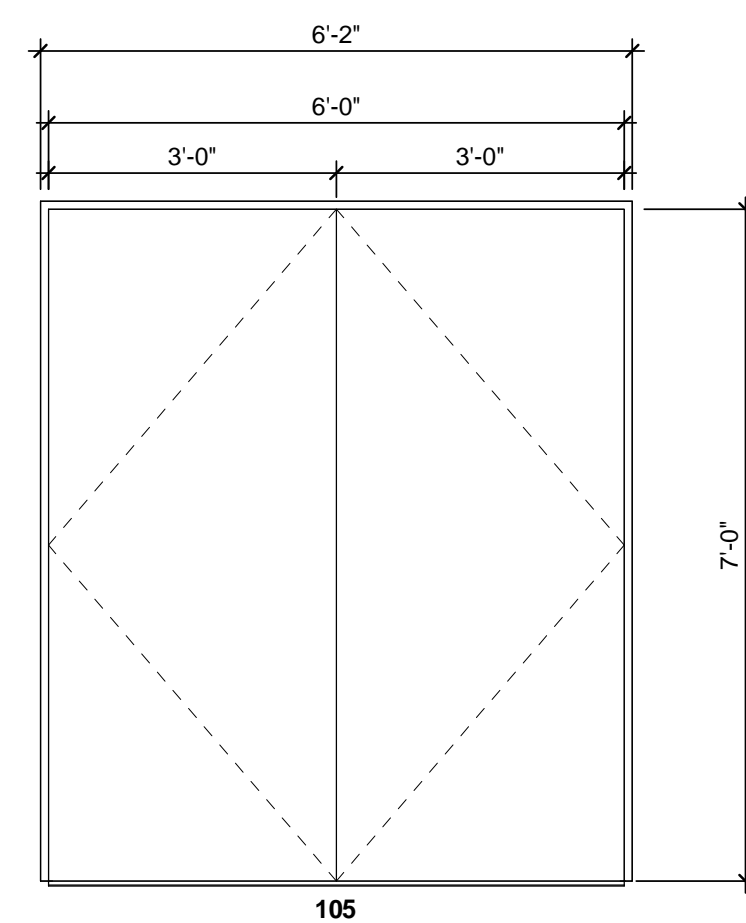
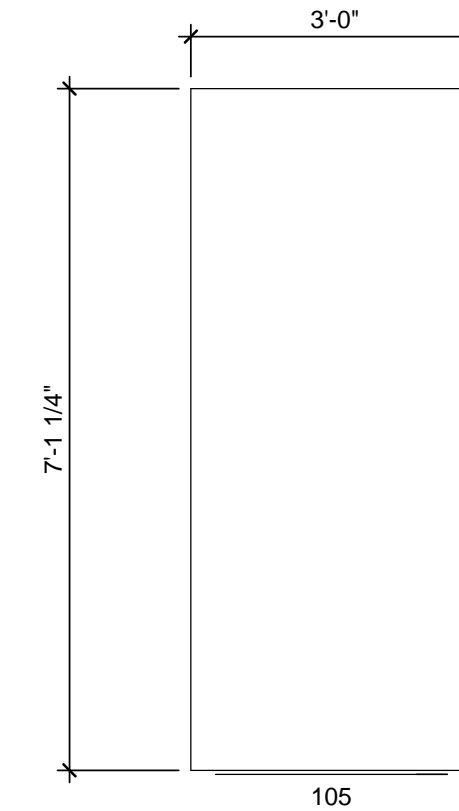
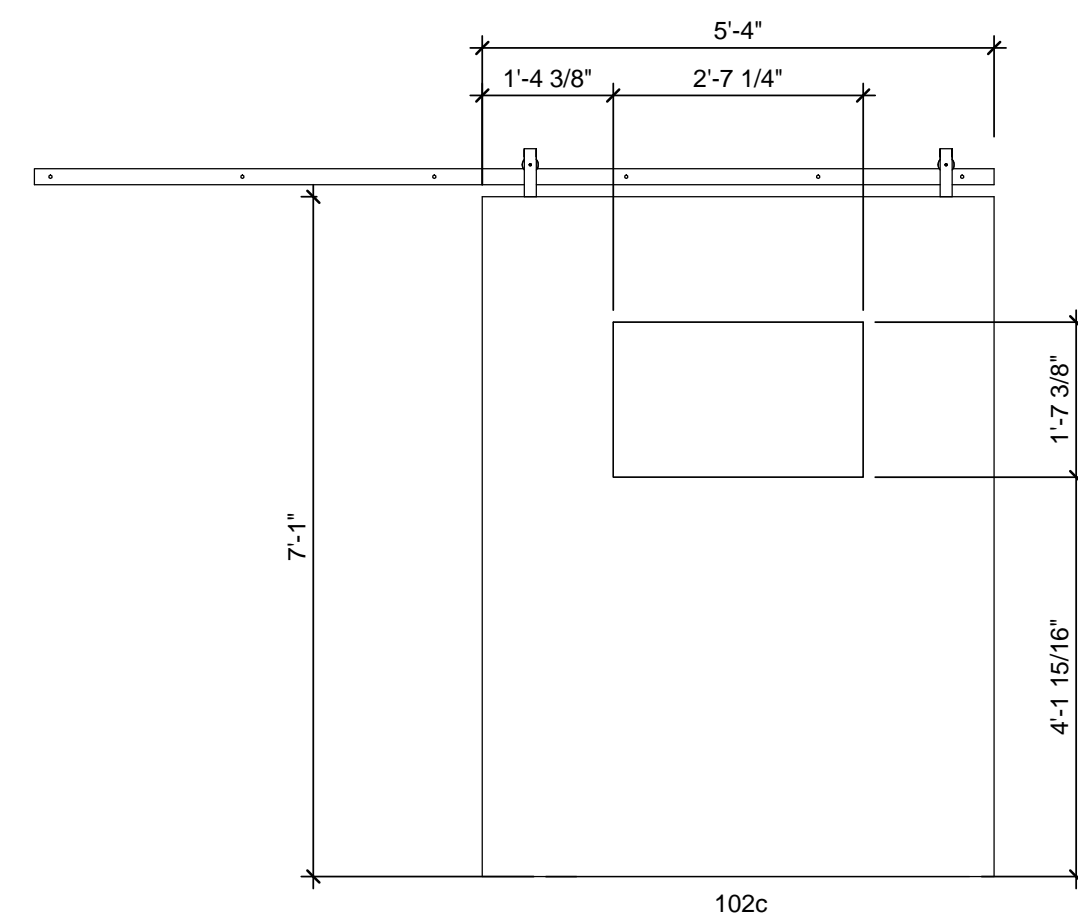
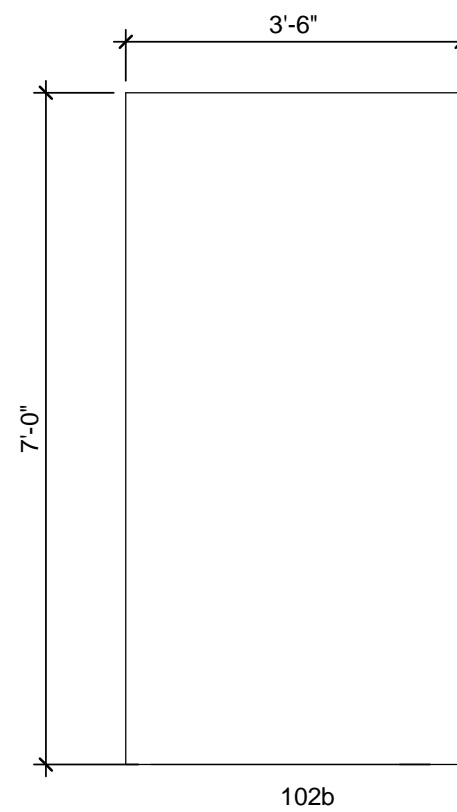
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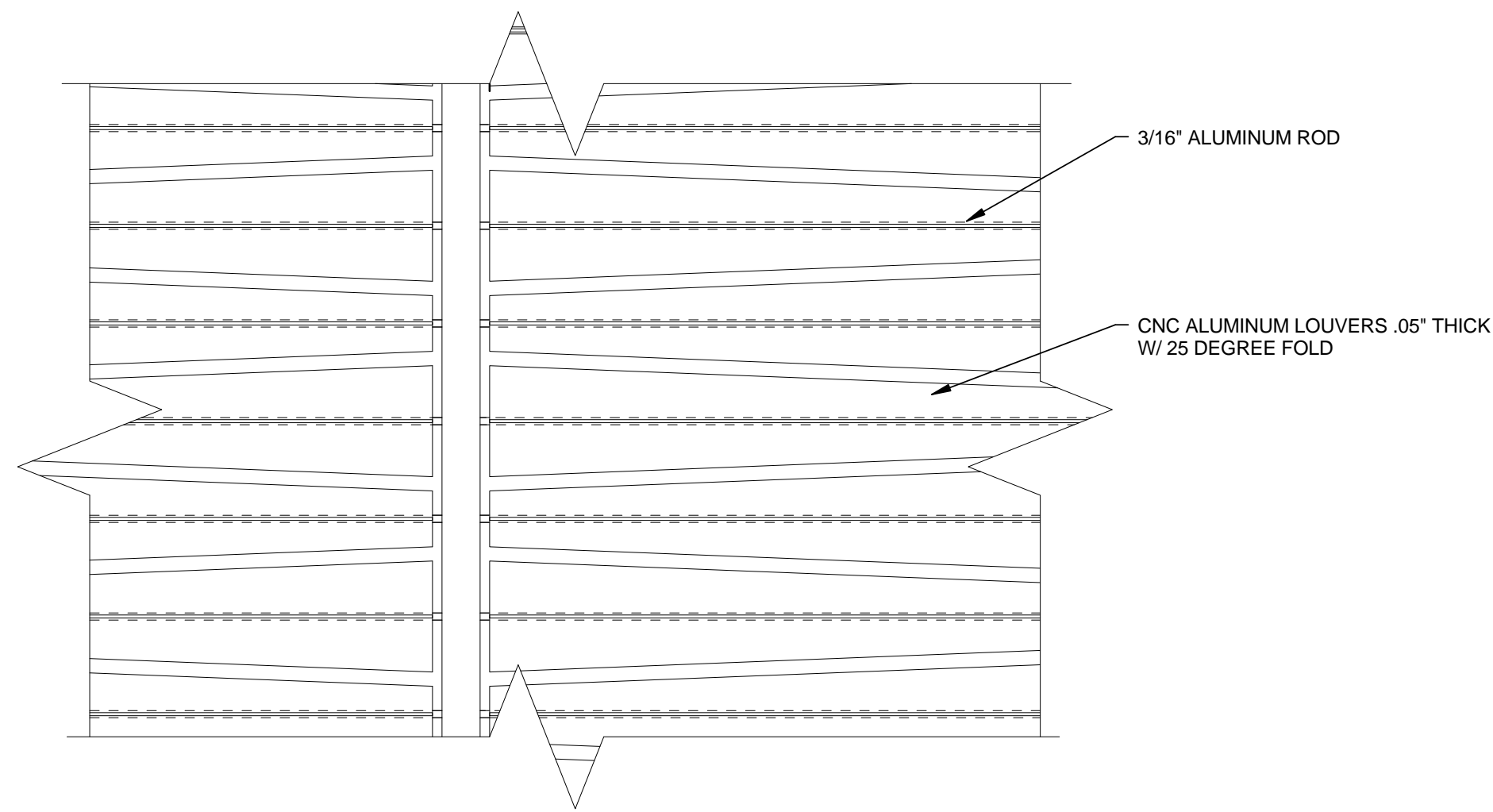
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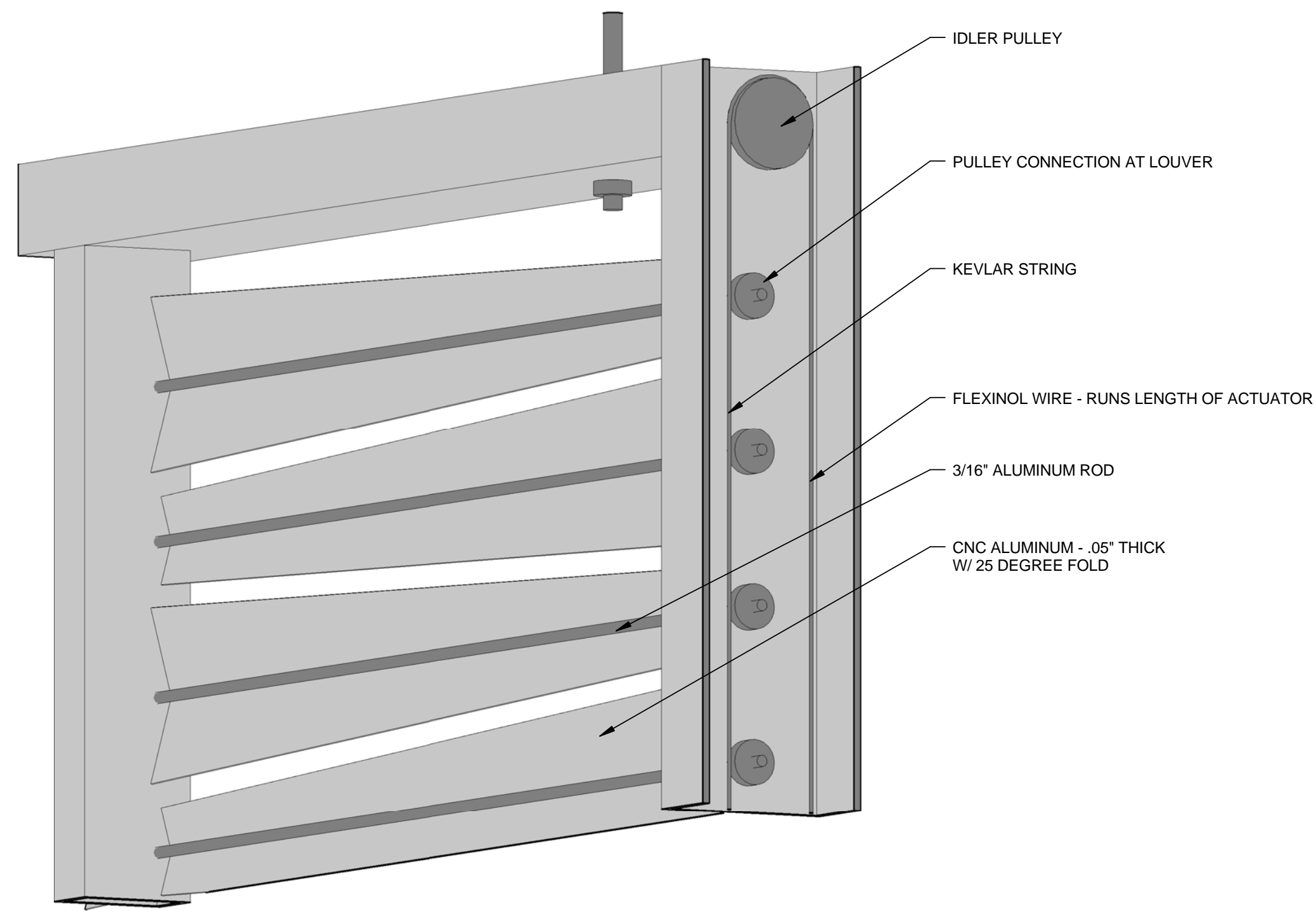
DOOR SCHEDULE

A-603

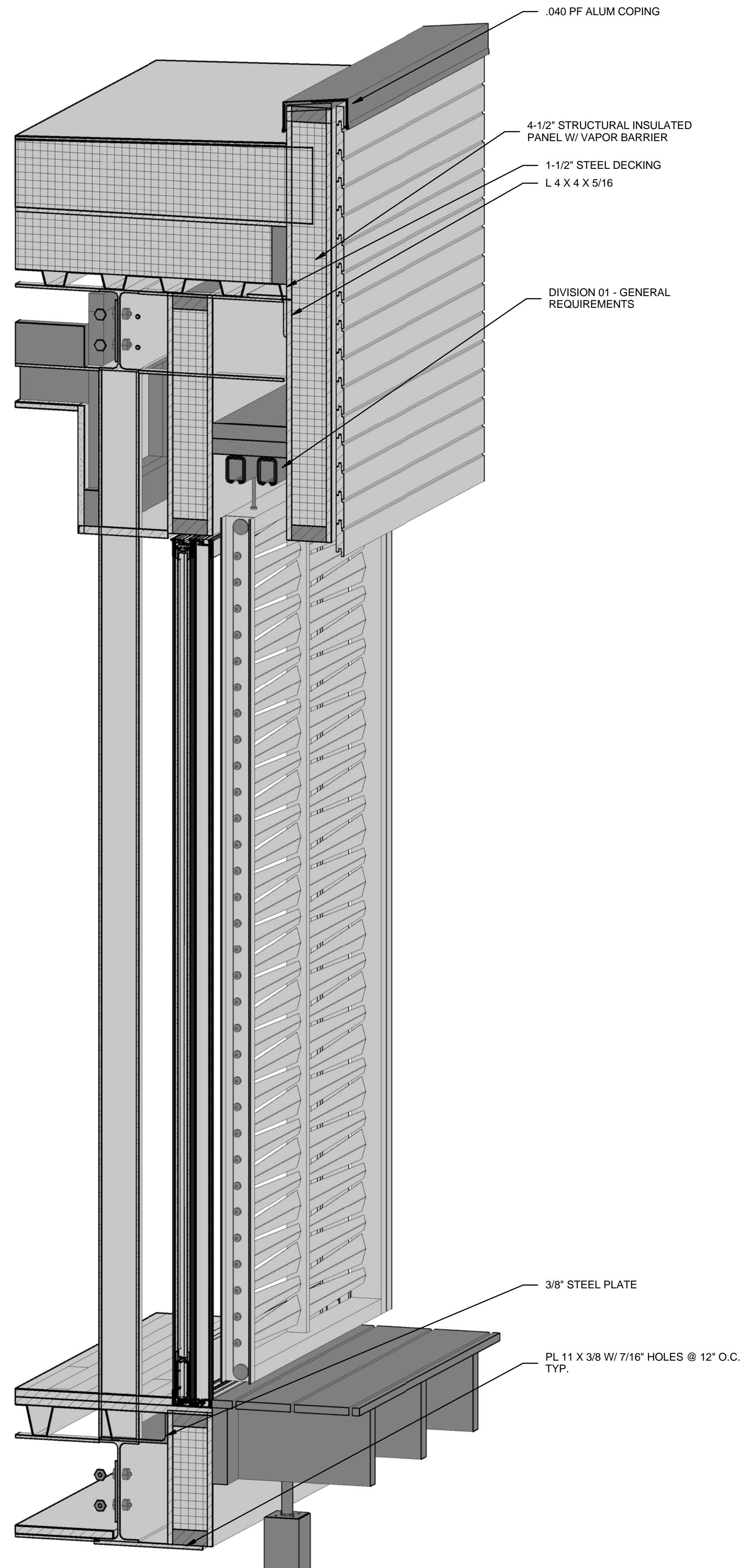




B1 SOUTH SCREEN DETAIL ELEVATION
3" = 1'-0"



A1 SOUTH SCREEN DETAIL AXONOMETRIC
0" 1" 2" 3" 4"



A4 SOUTH SCREEN AXONOMETRIC WALL SECTION
0" 1/2" 1" 1 1/2"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

01 00 00	DIVISION 01 - GENERAL REQUIREMENTS
05 12 23.B2	3/8" STEEL PLATE
05 12 23.B3	PL 11 X 3/8 W/ 7/16" HOLES @ 12" O.C. TYP.
05 12 23.C2	L 4 X 4 X 5/16
05 31 23	1-1/2" STEEL DECKING
06 12 00.A2	4-1/2" STRUCTURAL INSULATED PANEL W/ VAPOR BARRIER
07 62 00.A5	.040 PF ALUM COPING

SHEET KEYNOTES

HARVEST | TEAM CAPITOL DC

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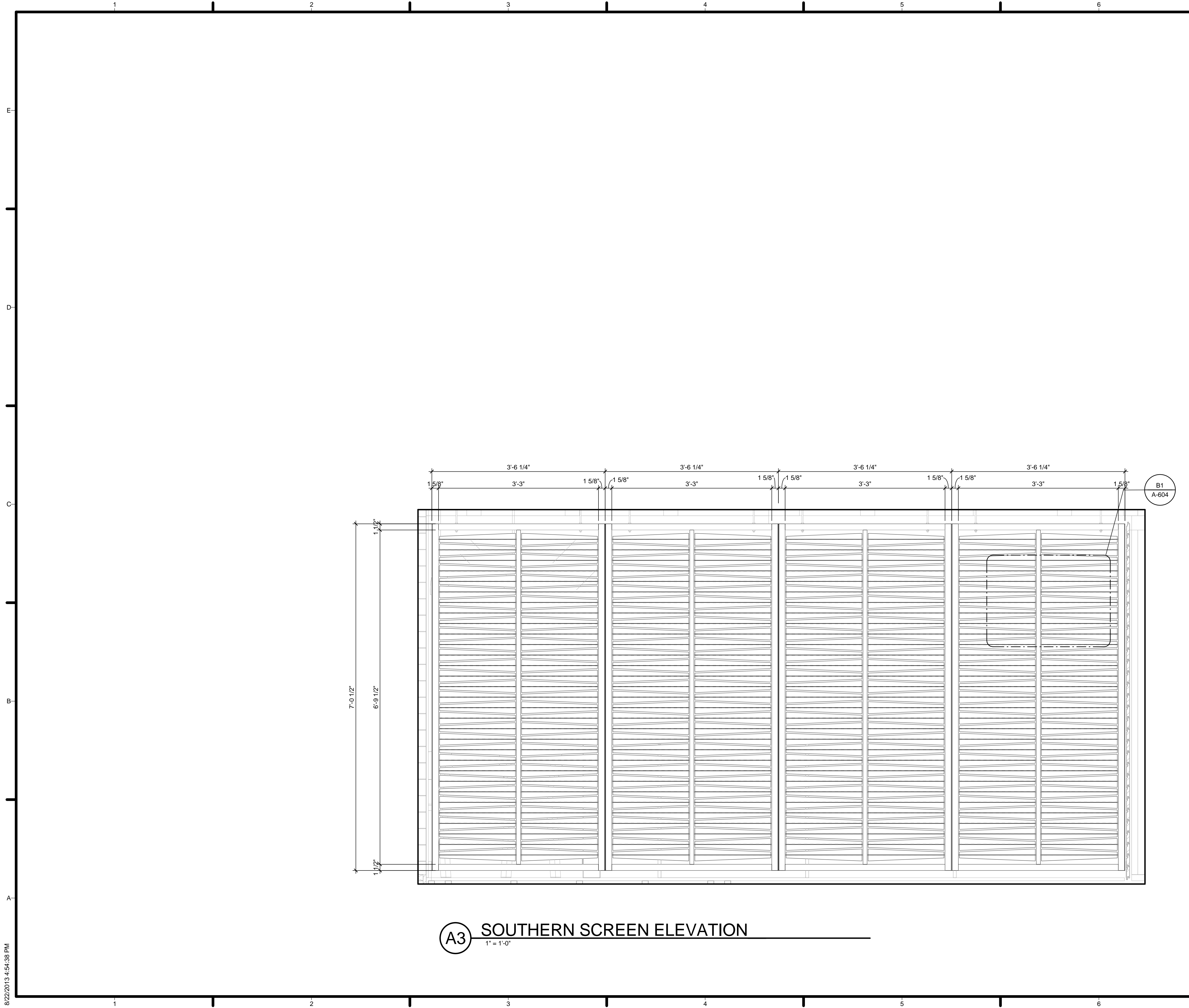
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SHEET TITLE
SCREEN SYSTEM

A-604




A3 SOUTHERN SCREEN ELEVATION
1" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



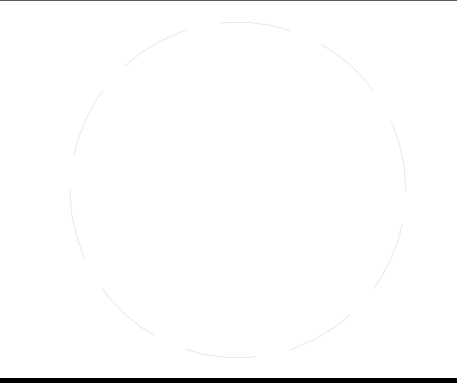
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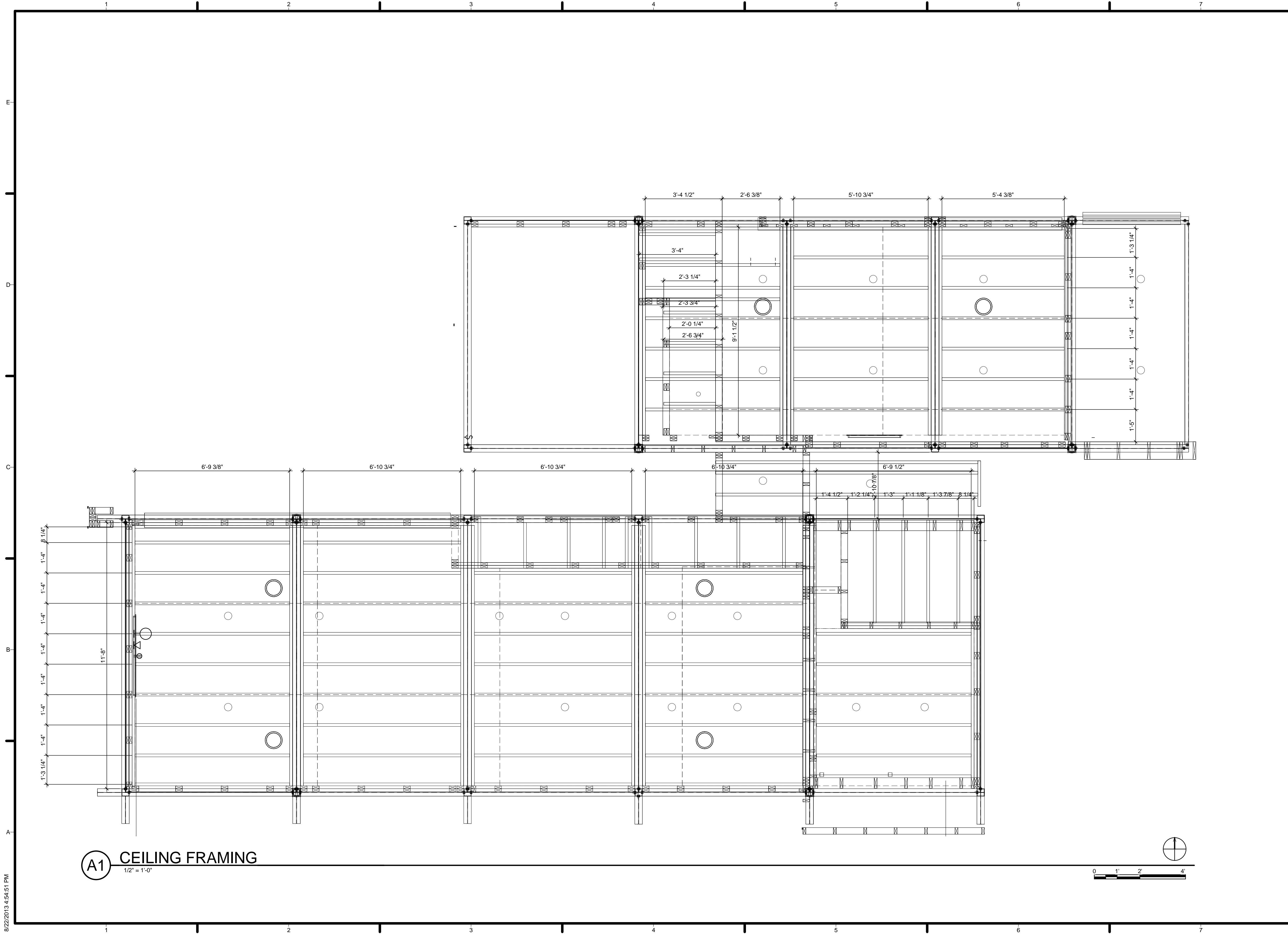


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SHEET TITLE
 SCREEN ELEVATION

A-605



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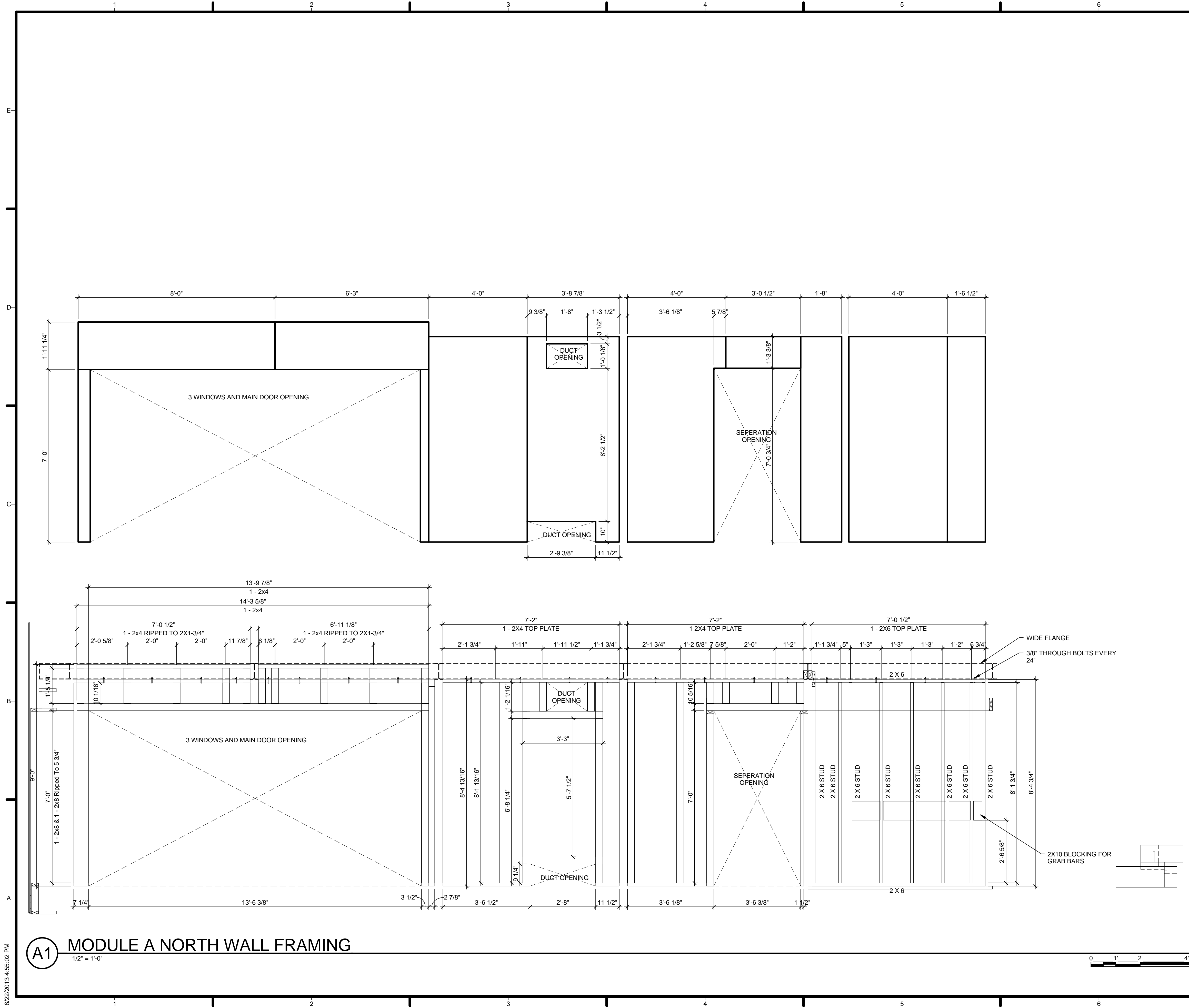
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SHEET TITLE
CEILING FRAMING

A-701

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2. SEE SHEET C-102 FOR MODULE IDENTITY
3. ALL STUDS (2) 2X4 UNLESS SPECIFIED OTHERWISE
4. GYPSUM LAYOUT ABOVE FRAMING DRAWINGS

REFERENCE KEYNOTES

06 11 00.B1	2 X 6 STUD
06 11 00.B6	2 X 6

SHEET KEYNOTES

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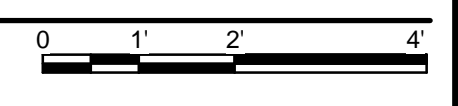
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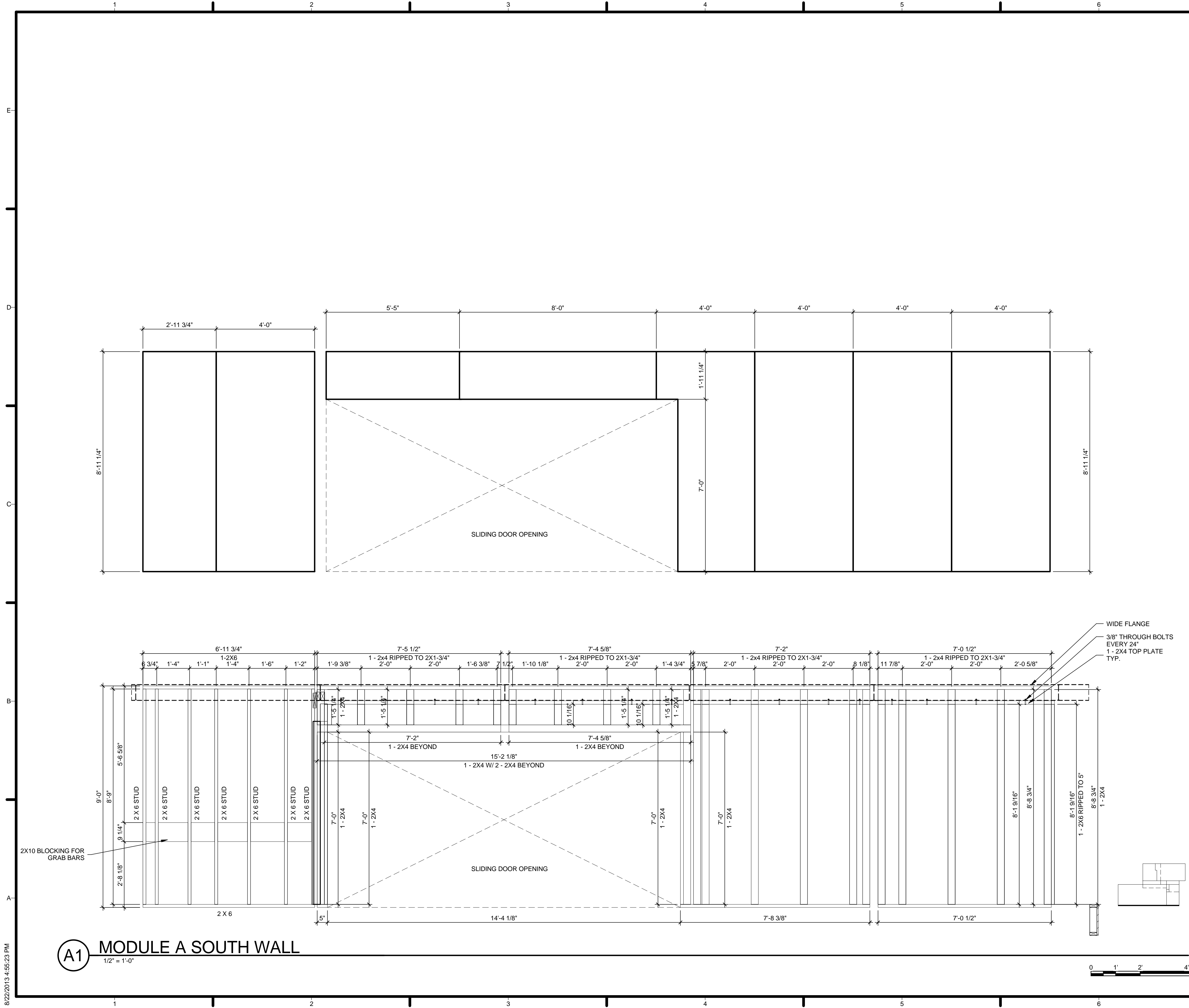
MODULE A NORTH WALL

A-711

8/22/2013 4:55:02 PM

A1 MODULE A NORTH WALL FRAMING
1/2" = 1'-0"





GENERAL SHEET NOTES

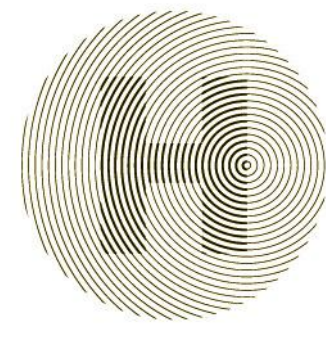
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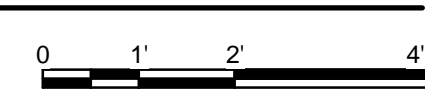
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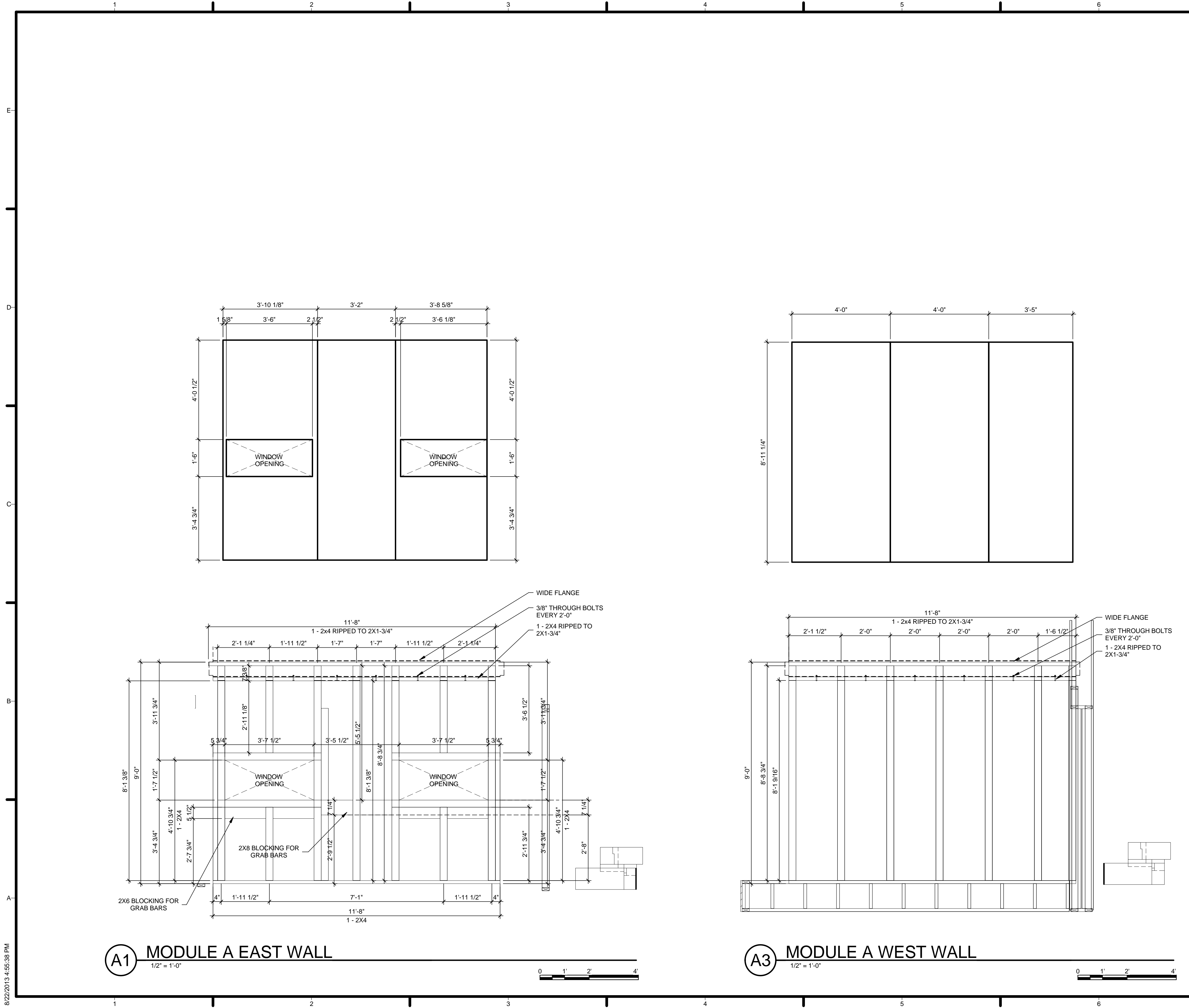
MODULE A SOUTH WALL

A-712

8/22/2013 4:55:23 PM

A1 MODULE A SOUTH WALL
1/2" = 1'-0"



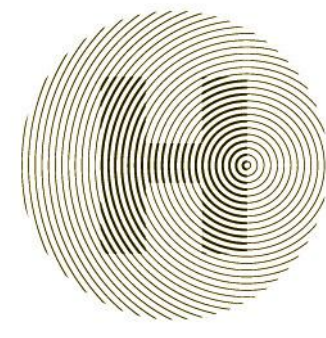


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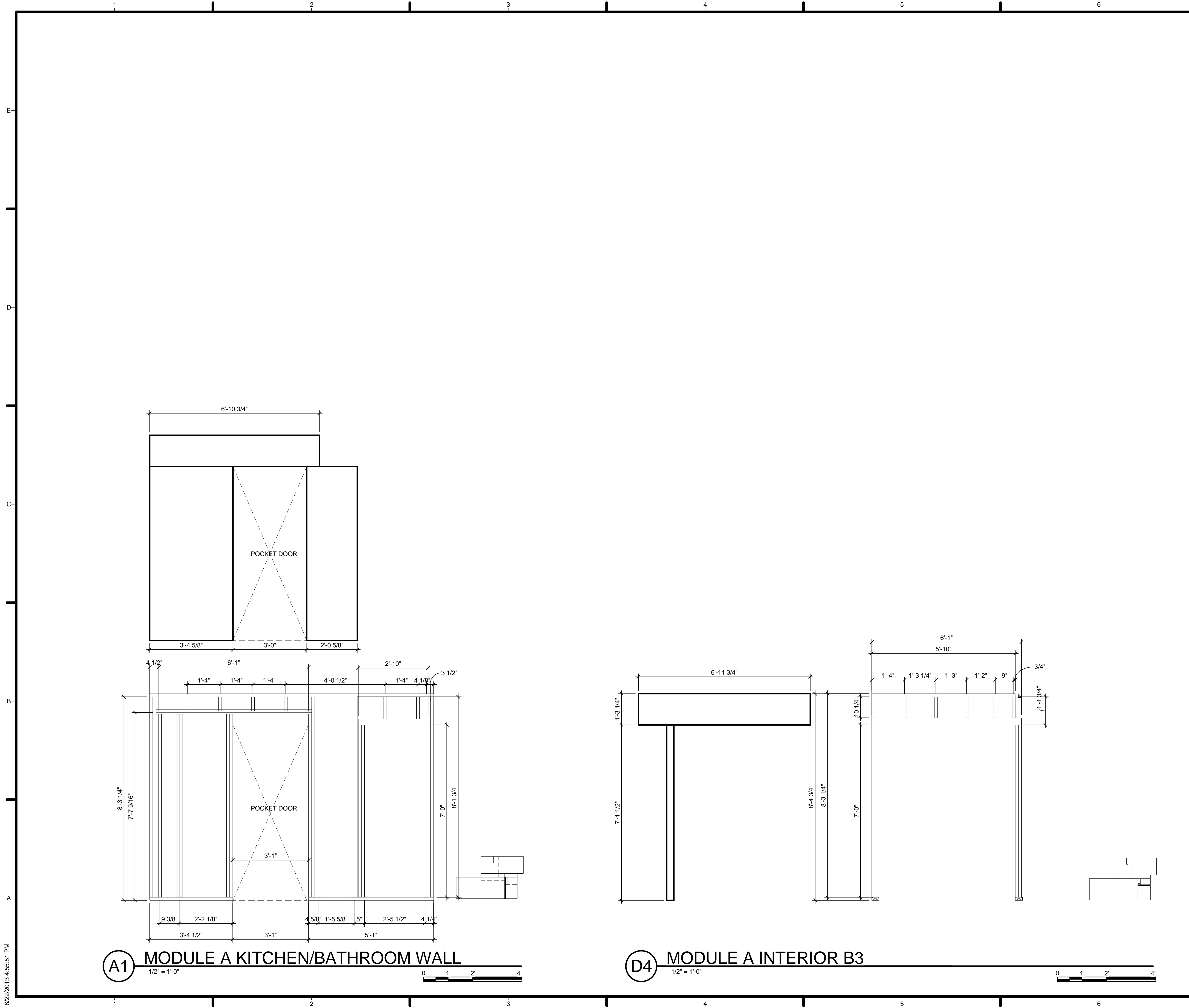
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SHEET TITLE
MODULE A EAST/WEST WALL

A-713

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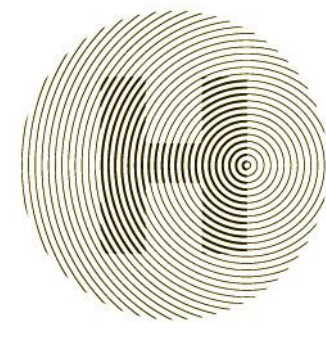


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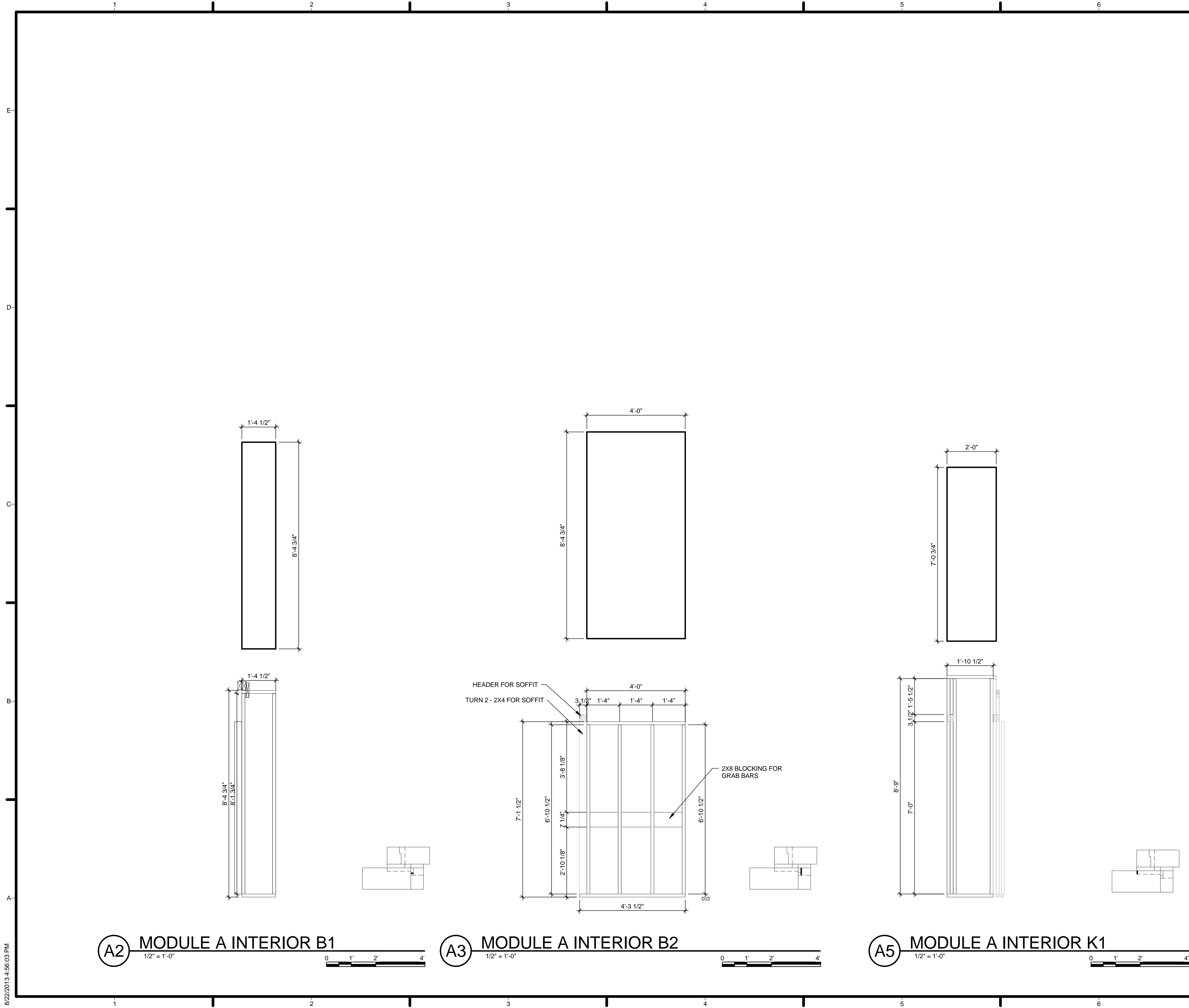
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SHEET TITLE
MODULE A INTERIOR WALLS

A-714

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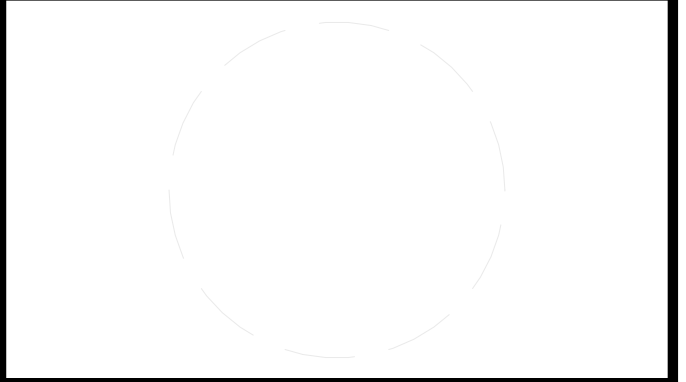


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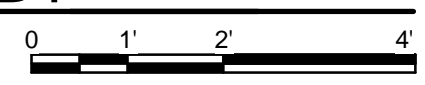
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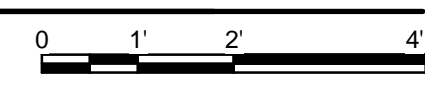
SHEET TITLE
MODULE A INTERIOR WALLS

A-715

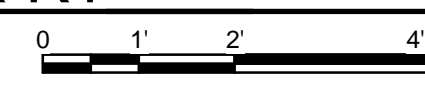
A2 MODULE A INTERIOR B1
 1/2" = 1'-0"

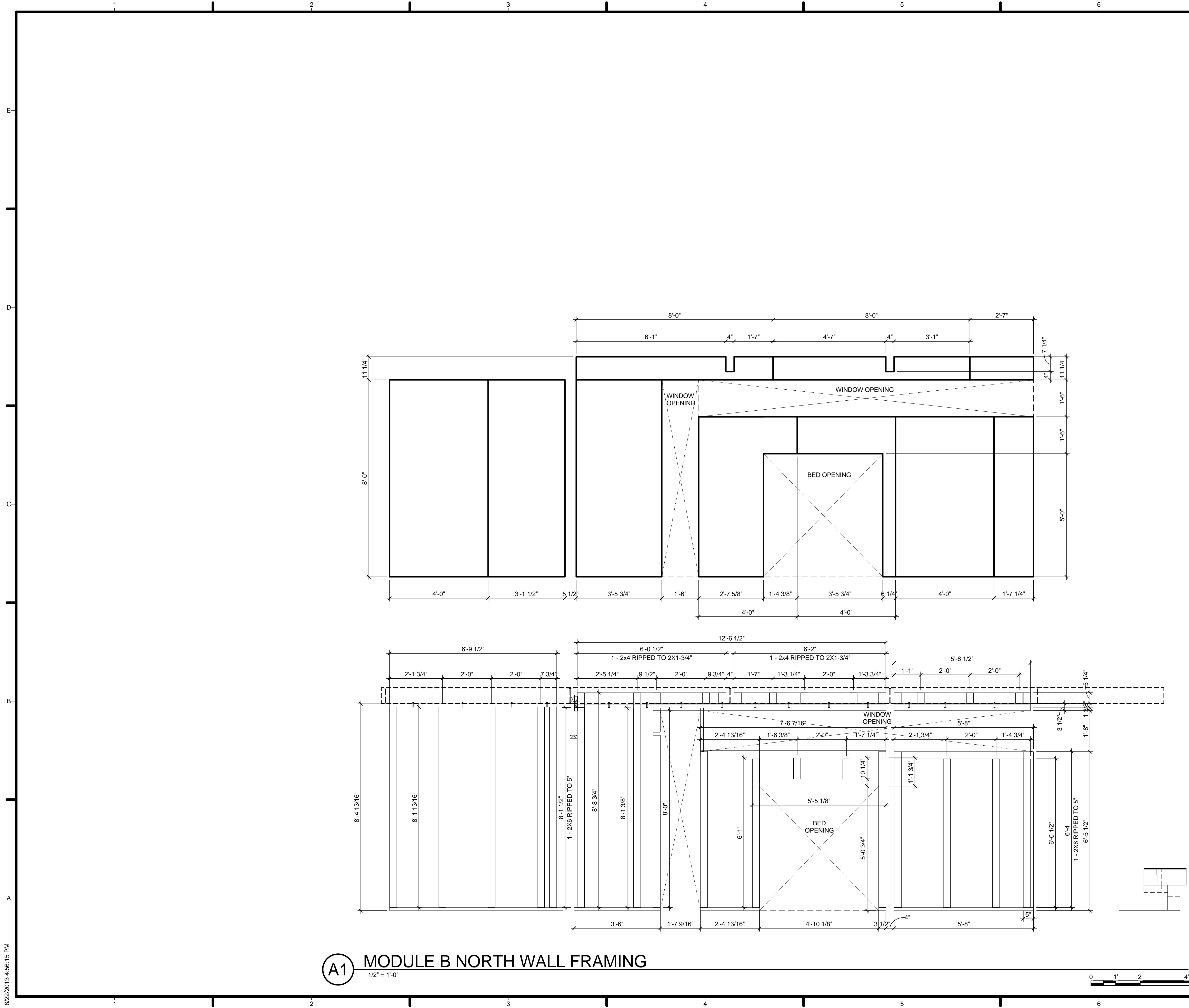


A3 MODULE A INTERIOR B2
 1/2" = 1'-0"



A5 MODULE A INTERIOR K1
 1/2" = 1'-0"



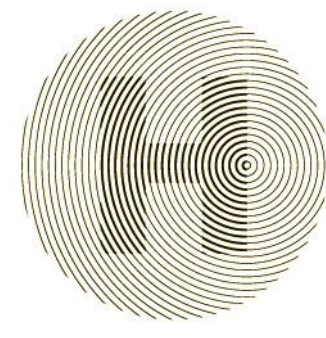


GENERAL SHEET NOTES

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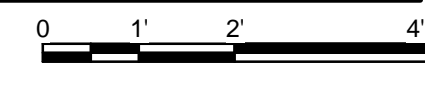
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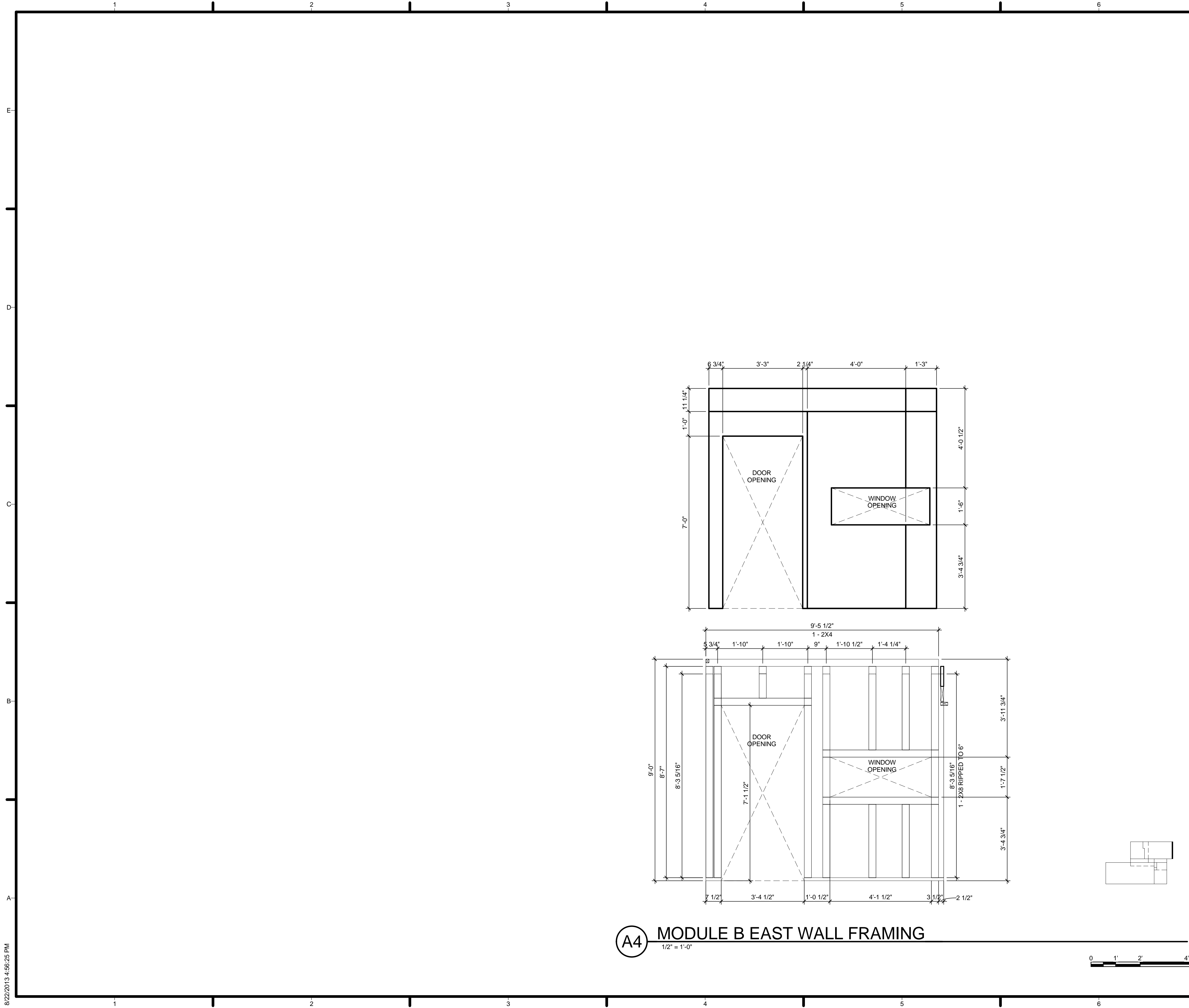
SHEET TITLE
MODULE B NORTH WALL

A-716

8/22/2013 4:56:15 PM

A1 MODULE B NORTH WALL FRAMING
1/2" = 1'-0"



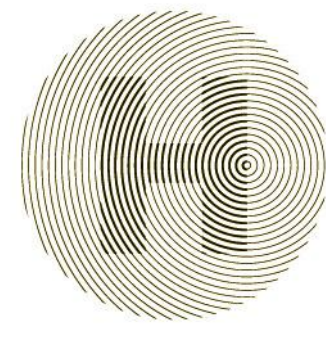


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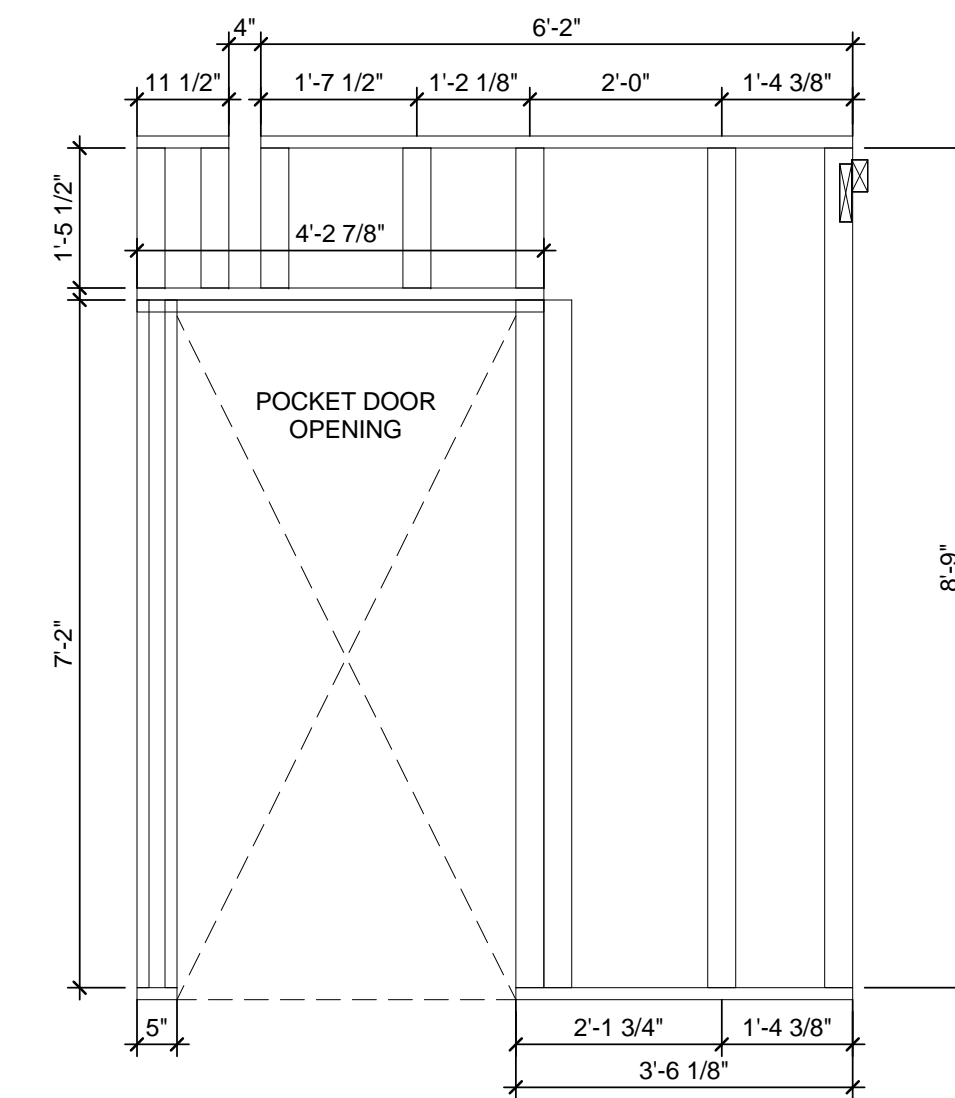
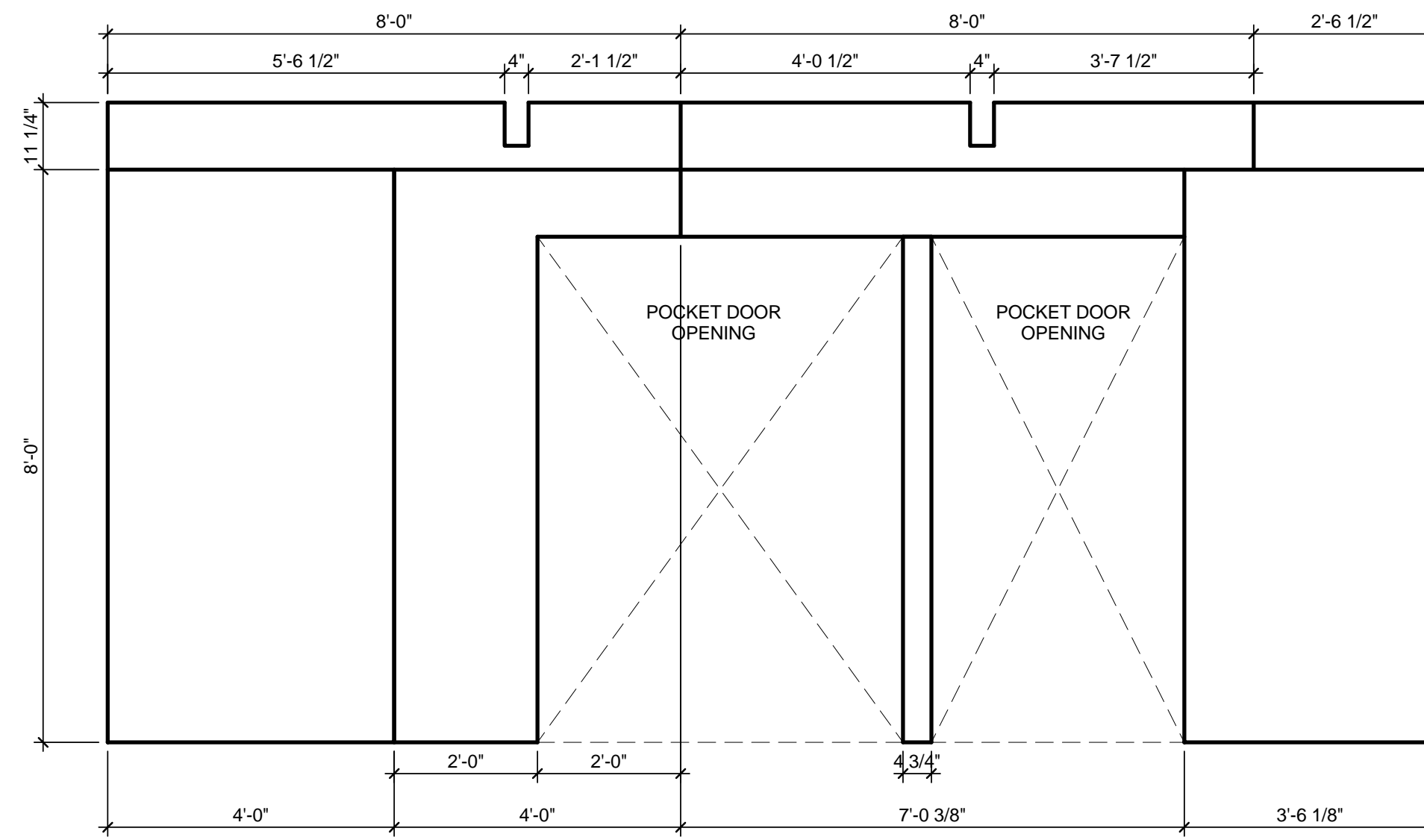
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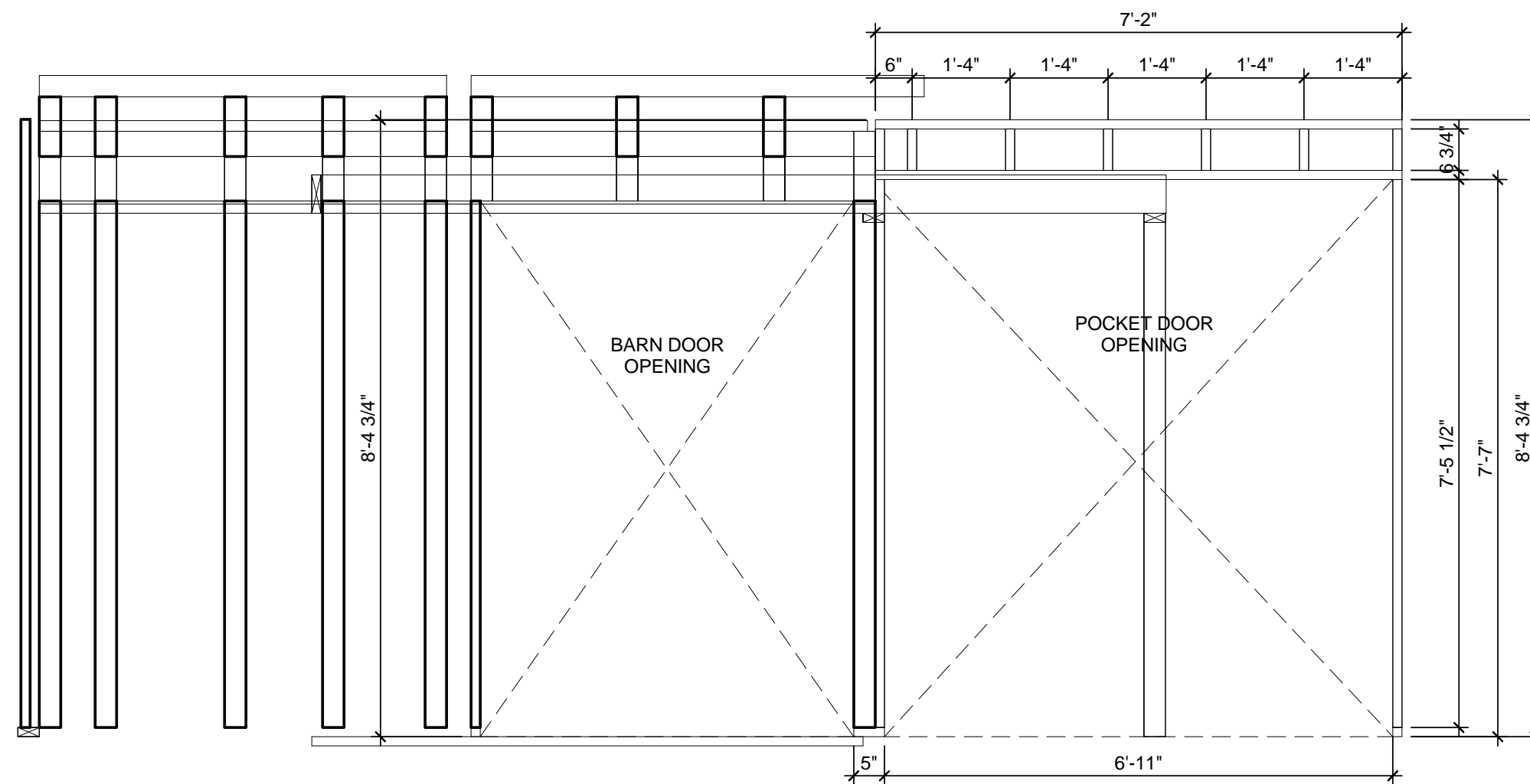
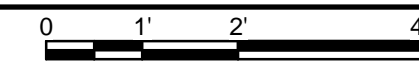
SHEET TITLE
MODULE B EAST WALL

A-717

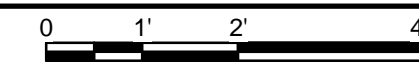
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B3 MODULE B SOUTH WALL FRAMING
1/2" = 1'-0"



A3 MODULE B SOUTH WALL FRAMING BEYOND
1/2" = 1'-0"



GENERAL SHEET NOTES

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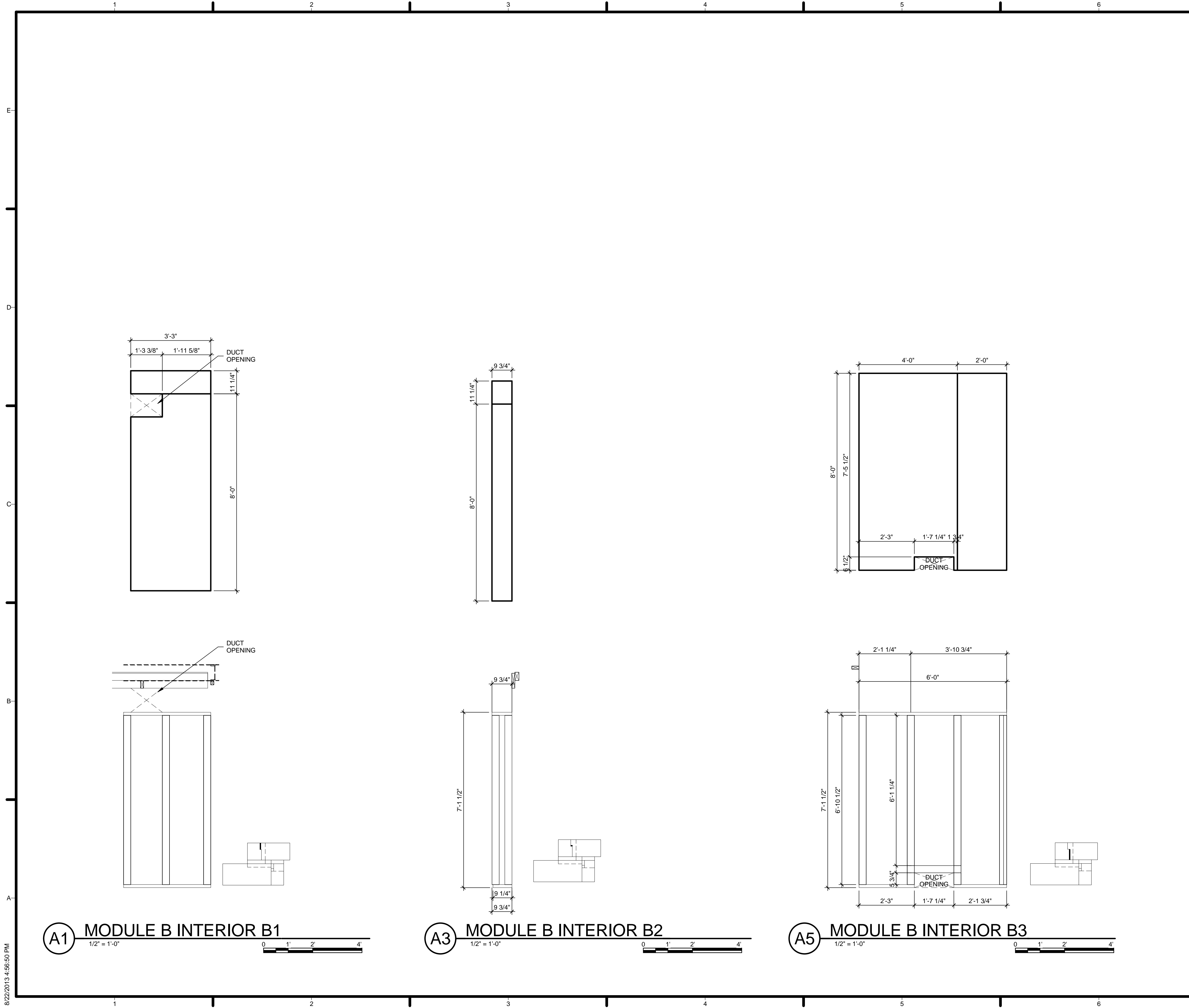


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SHEET TITLE
MODULE B SOUTH WALLS

A-718



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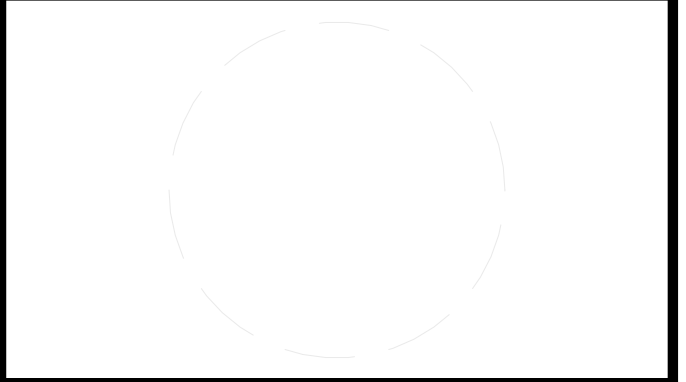


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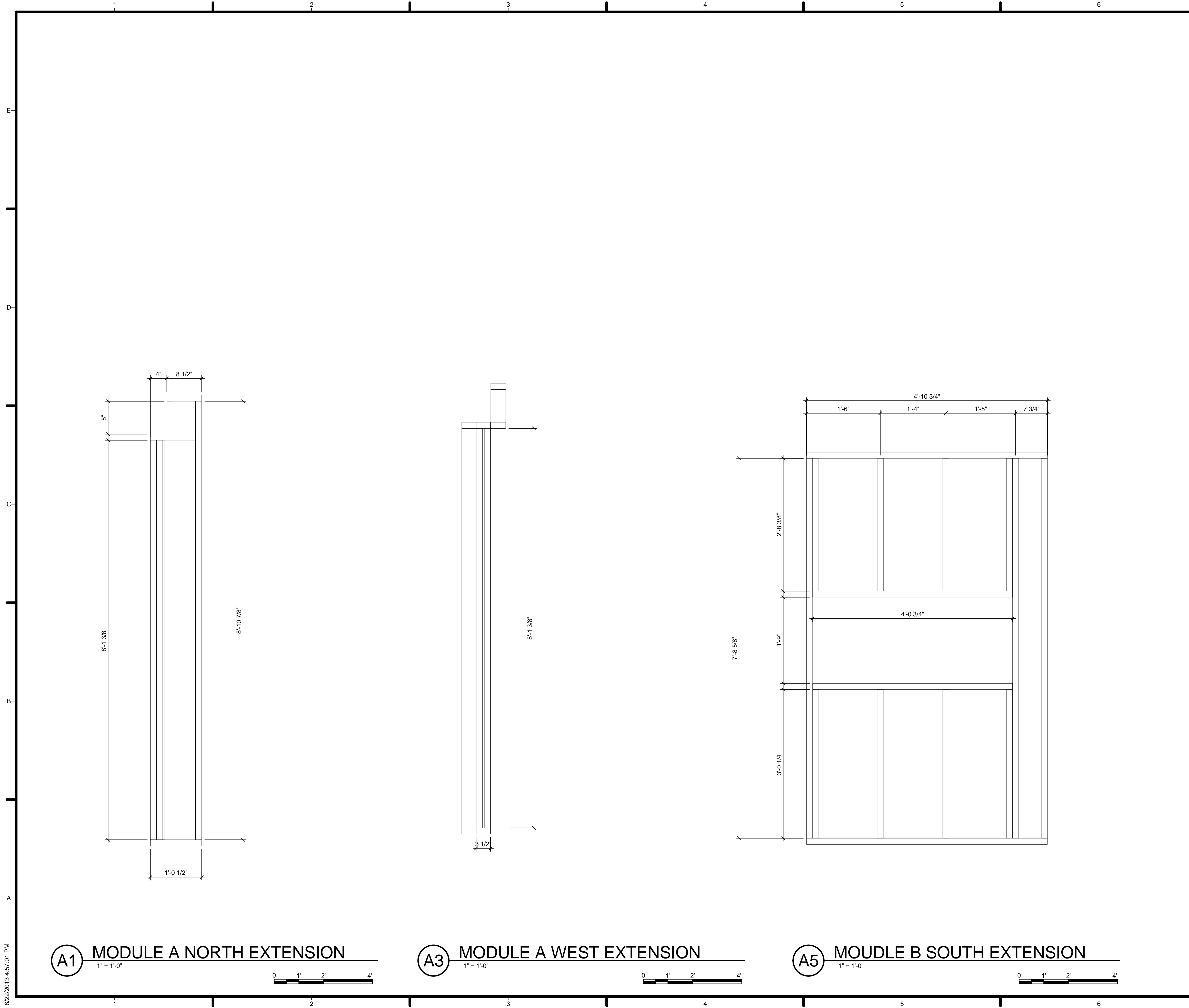
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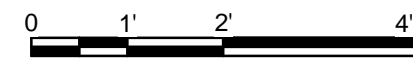
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MODULE B INTERIOR WALLS

A-719

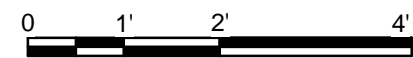
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A1 MODULE A NORTH EXTENSION
1" = 1'-0"



A3 MODULE A WEST EXTENSION
1" = 1'-0"



A5 MOUDLE B SOUTH EXTENSION
1" = 1'-0"




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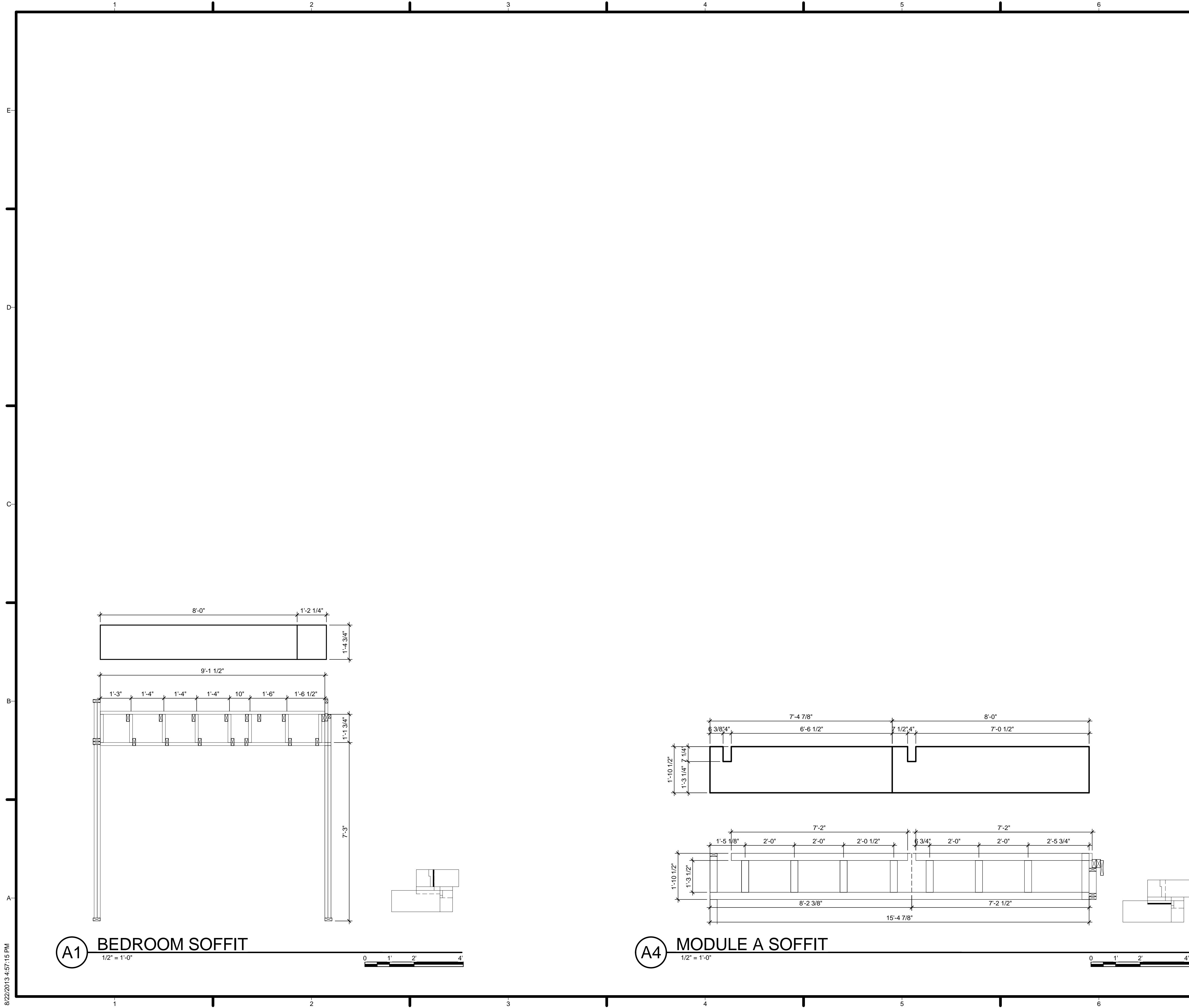
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EXTENSION WALLS

A-720

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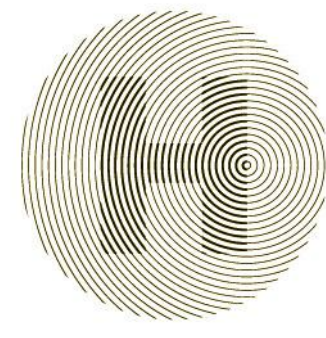


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GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
2. SEE SHEET C-102 FOR MODULE IDENTITY
3. ALL STUDS (2) 2X4 UNLESS SPECIFIED OTHERWISE
4. GYPSUM LAYOUT ABOVE FRAMING DRAWINGS

REFERENCE KEYNOTES

SHEET KEYNOTES



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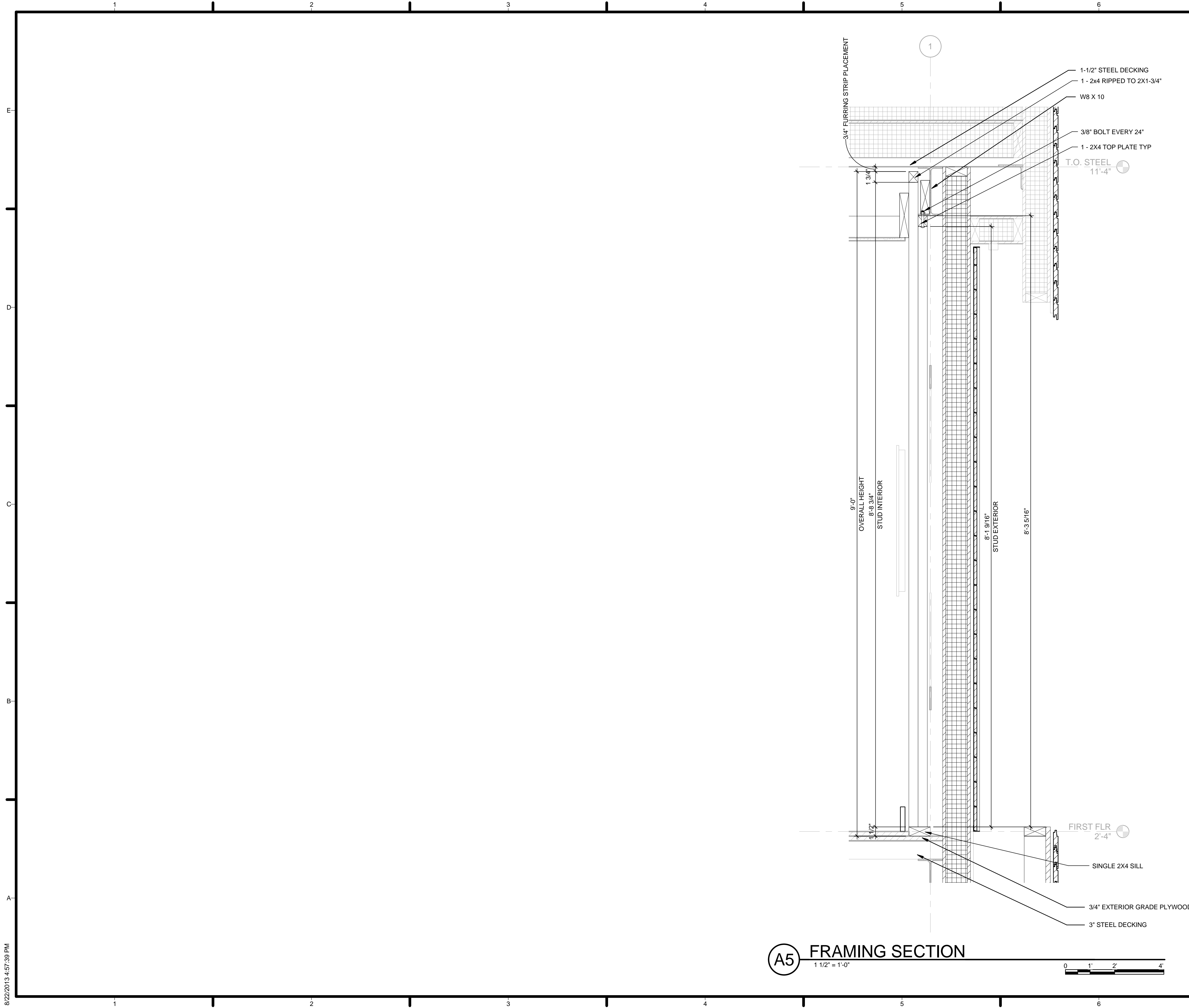
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PLANTER

A-722



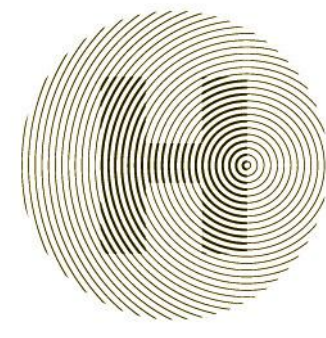
GENERAL SHEET NOTES

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3. ALL STUDS (2) 2X4 UNLESS SPECIFIED OTHERWISE
4. GYPSUM LAYOUT ABOVE FRAMING DRAWINGS

REFERENCE KEYNOTES

05 12 23.A1	W8 X 10
05 31 12	3\" STEEL DECKING
05 31 23	1-1/2\" STEEL DECKING
06 16 00.B3	3/4\" EXTERIOR GRADE PLYWOOD

SHEET KEYNOTES



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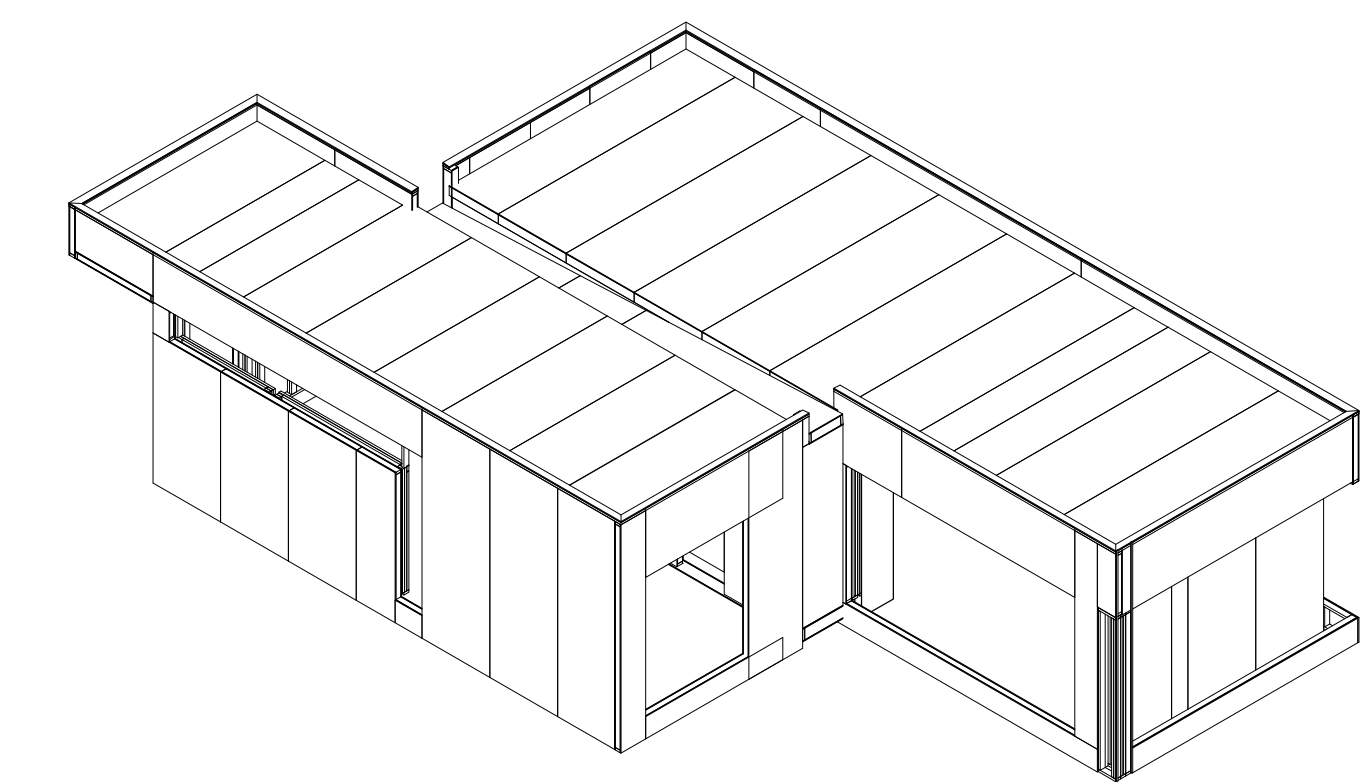
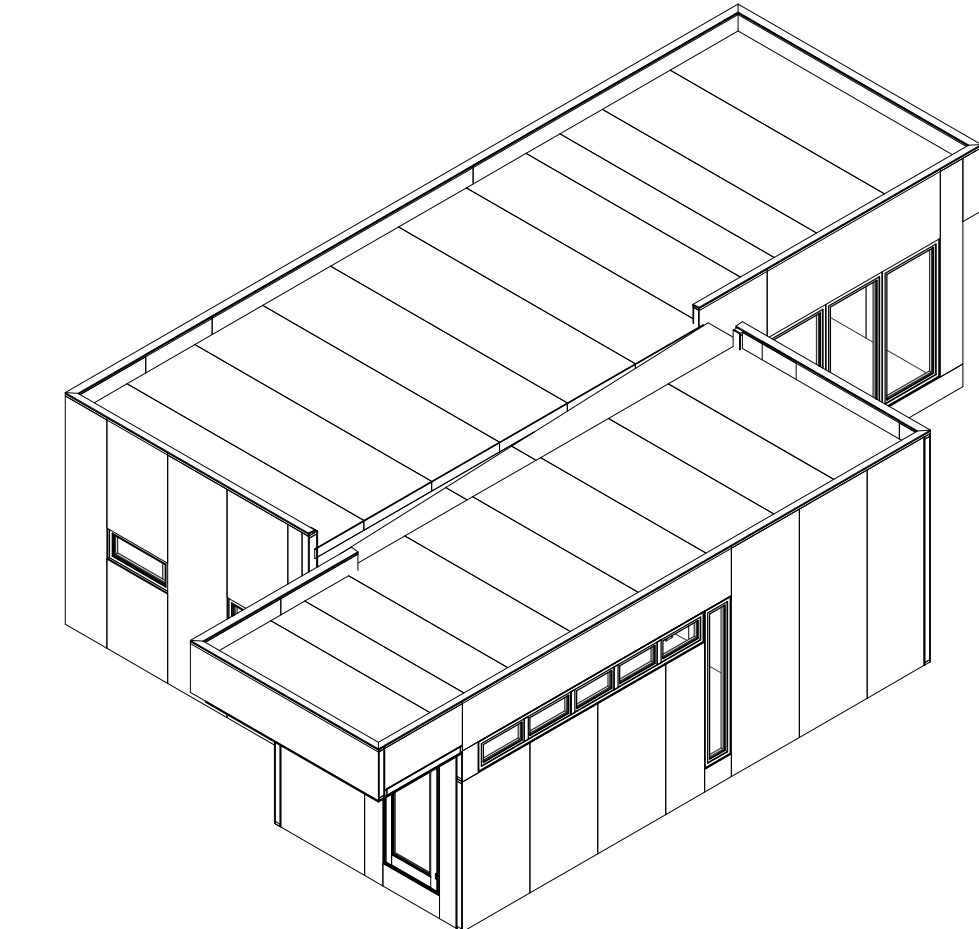
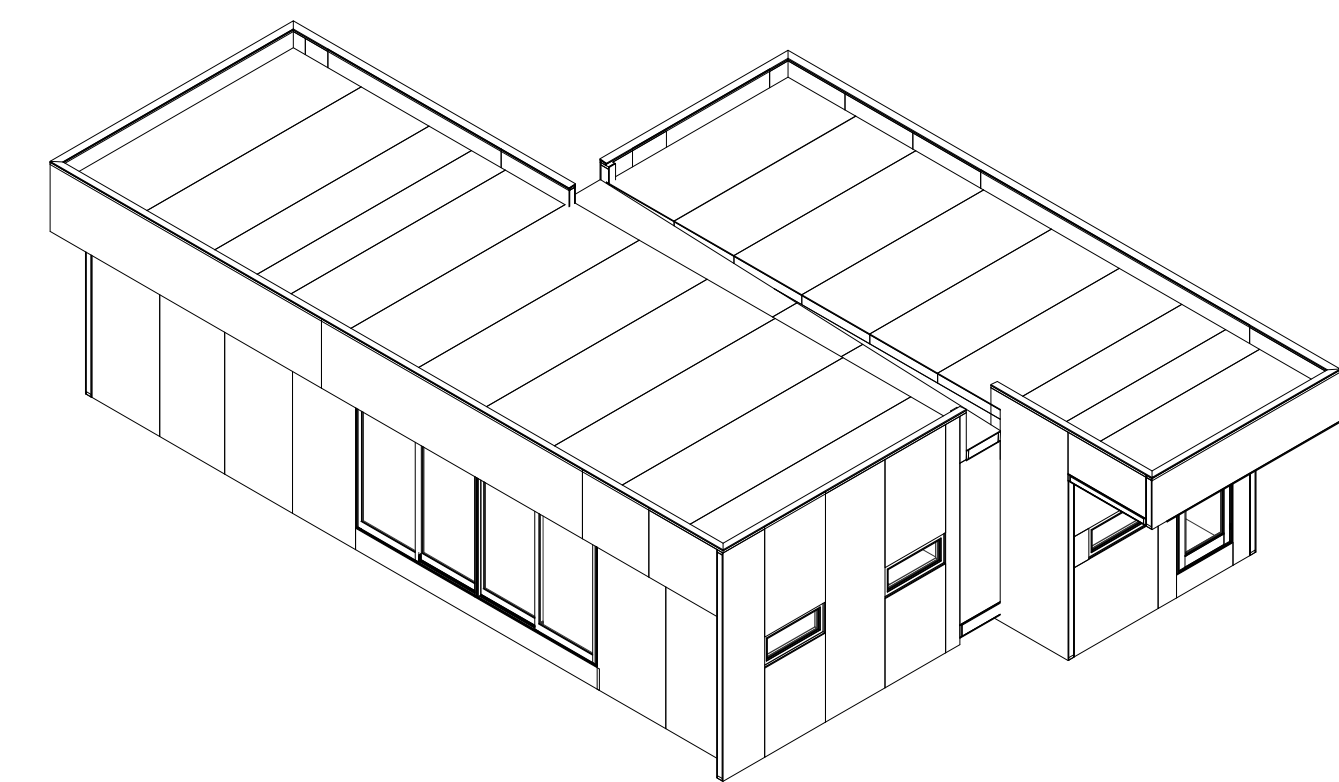
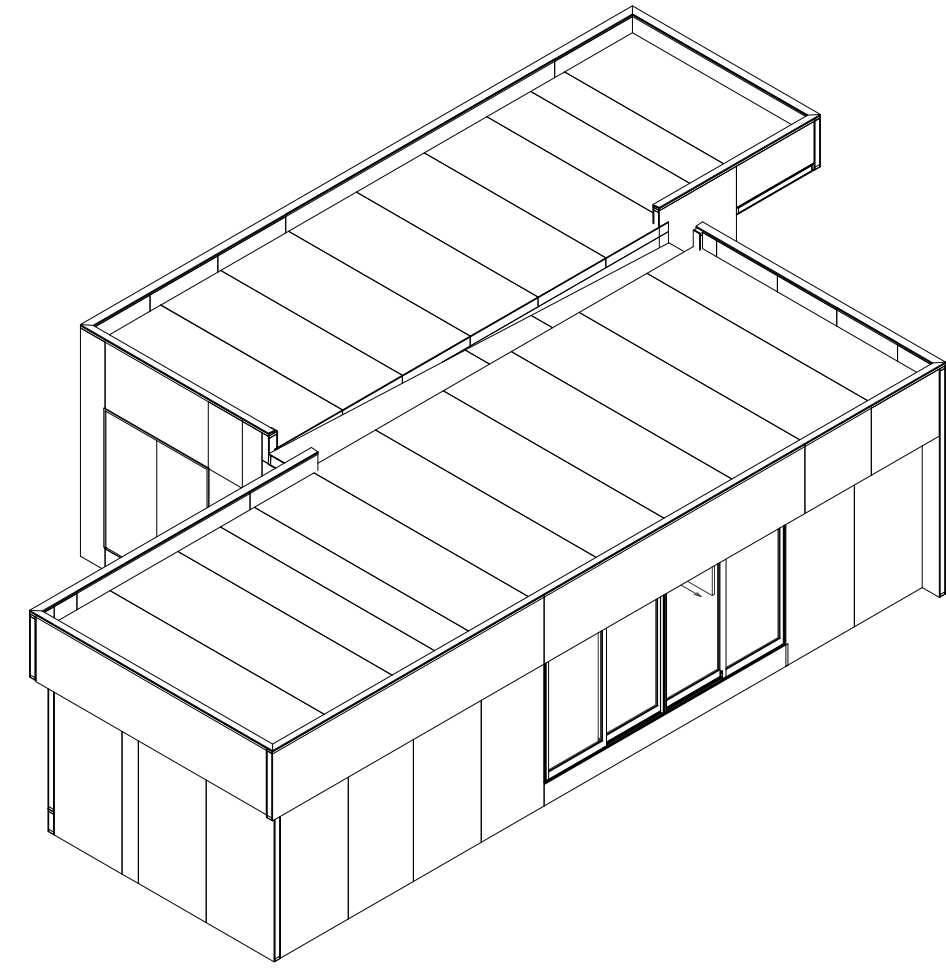
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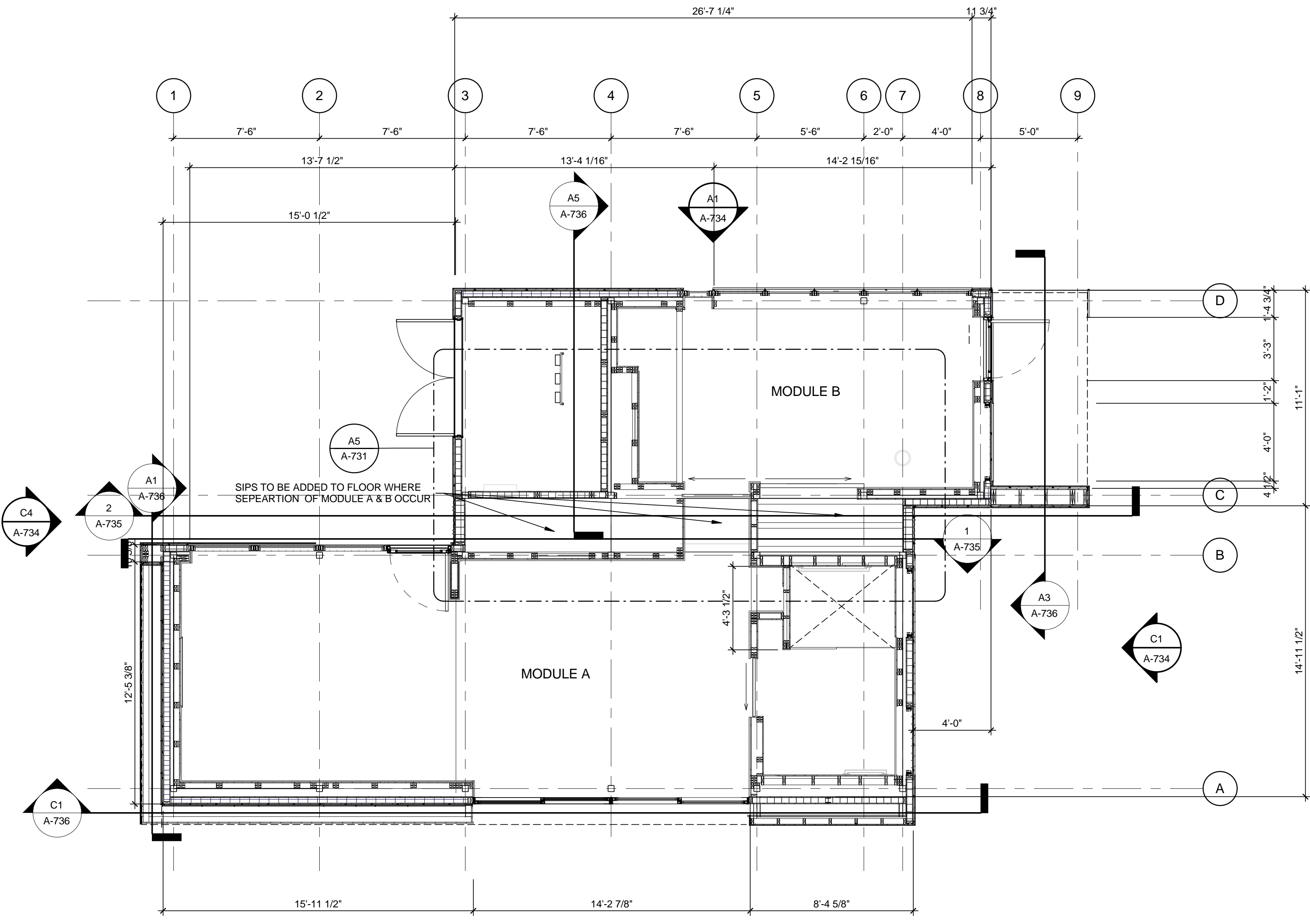
FRAMING SECTION

A-723

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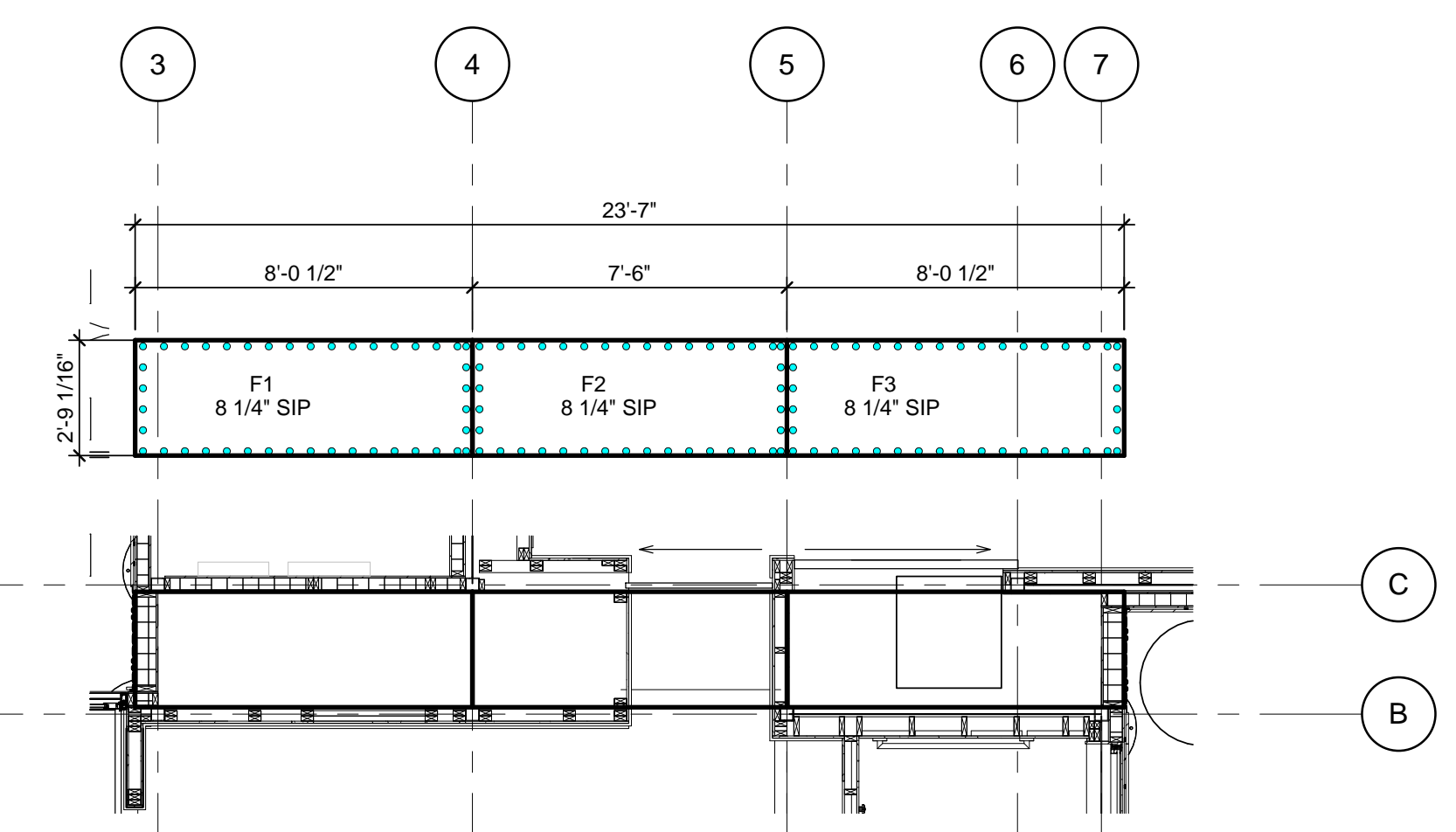


(D1) SIPS - SOUTHWEST CORNER (D2) SIPS - SOUTHEAST CORNER (D4) SIPS - NORTHEAST CORNER (D6) SIPS - NORTHWEST CORNER



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

NOTES:
ALL SIPS TO BE 4 1/2" UNLESS SPECIFIED OTHERWISE
ROOF TO BE 6 1/2" NAILBASE
SIPS TO BE ADDED TO FLOOR WHERE SEPEARITION OF MODULE A & B OCCUR
SEE 01-SIP1/A5
FLOOR SIPS TO BE 8 1/4" SIPS



(A5) SIPS FLOOR
1/4" = 1'-0"



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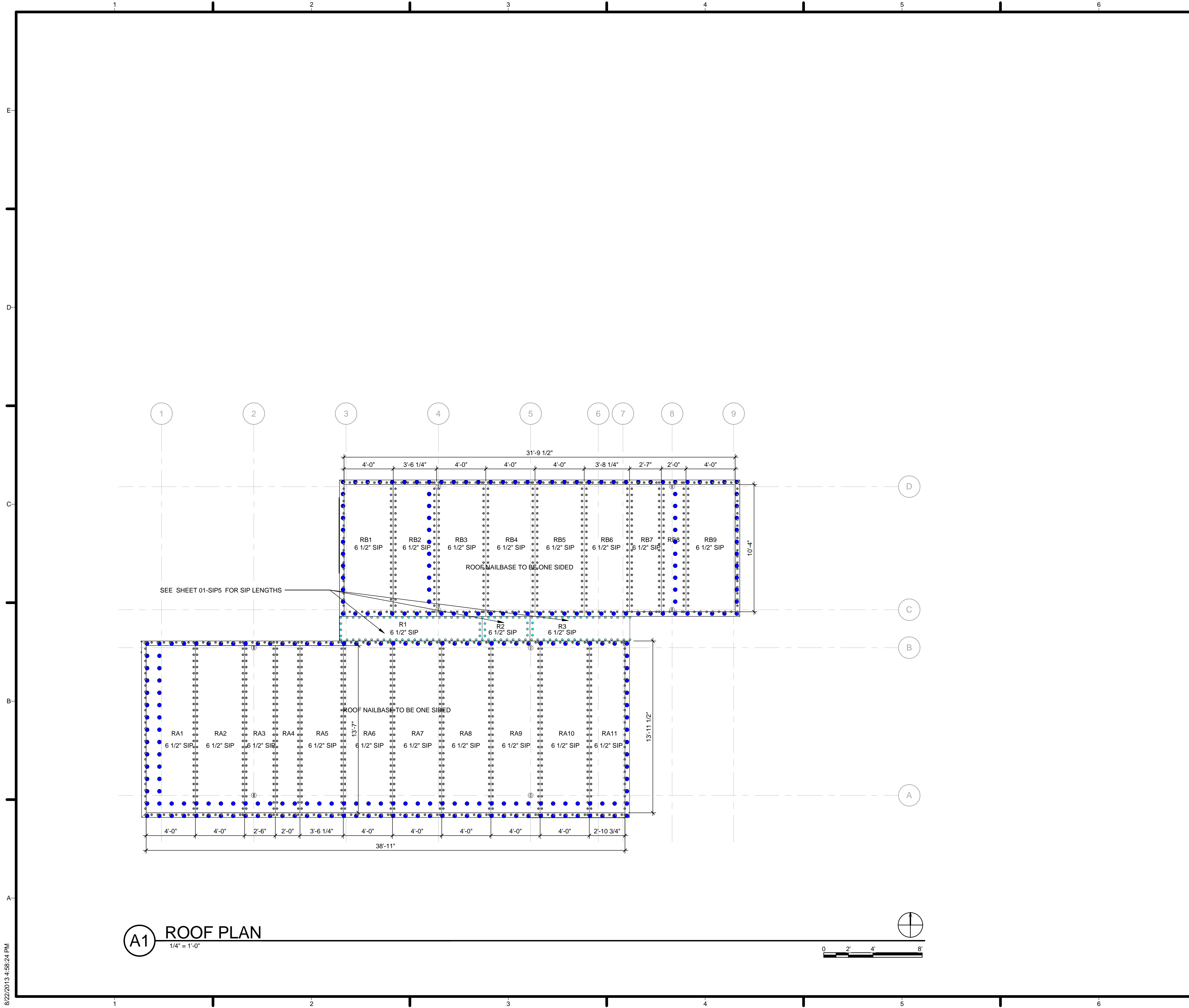


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SHEET TITLE
 SIP PACKAGE

A-731



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

GENERAL SHEET NOTES

- 6" SIPHD OR 3/8" CARRAGE BOLT
- 6" SIPHD SCREW
- 8" SIPLD SCREW
- 8" SIPLD SCREW OR THREAD POINT SCREW
- THREAD POINT SCREW
- 2 - 10D NAILS
- 4 - 8D RING SHANK NAIL
- 2 - 8D NAILS
- 1 - 8D NAIL

REFERENCE KEYNOTES

SHEET KEYNOTES

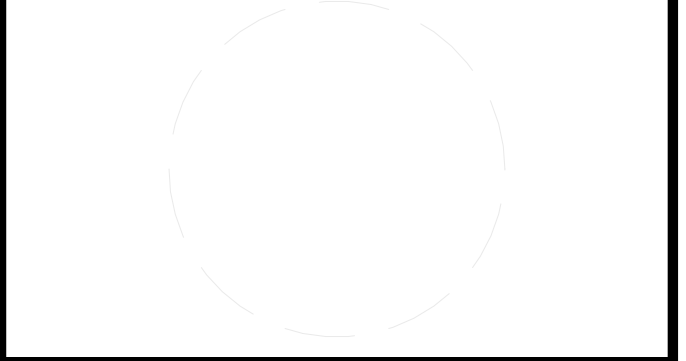


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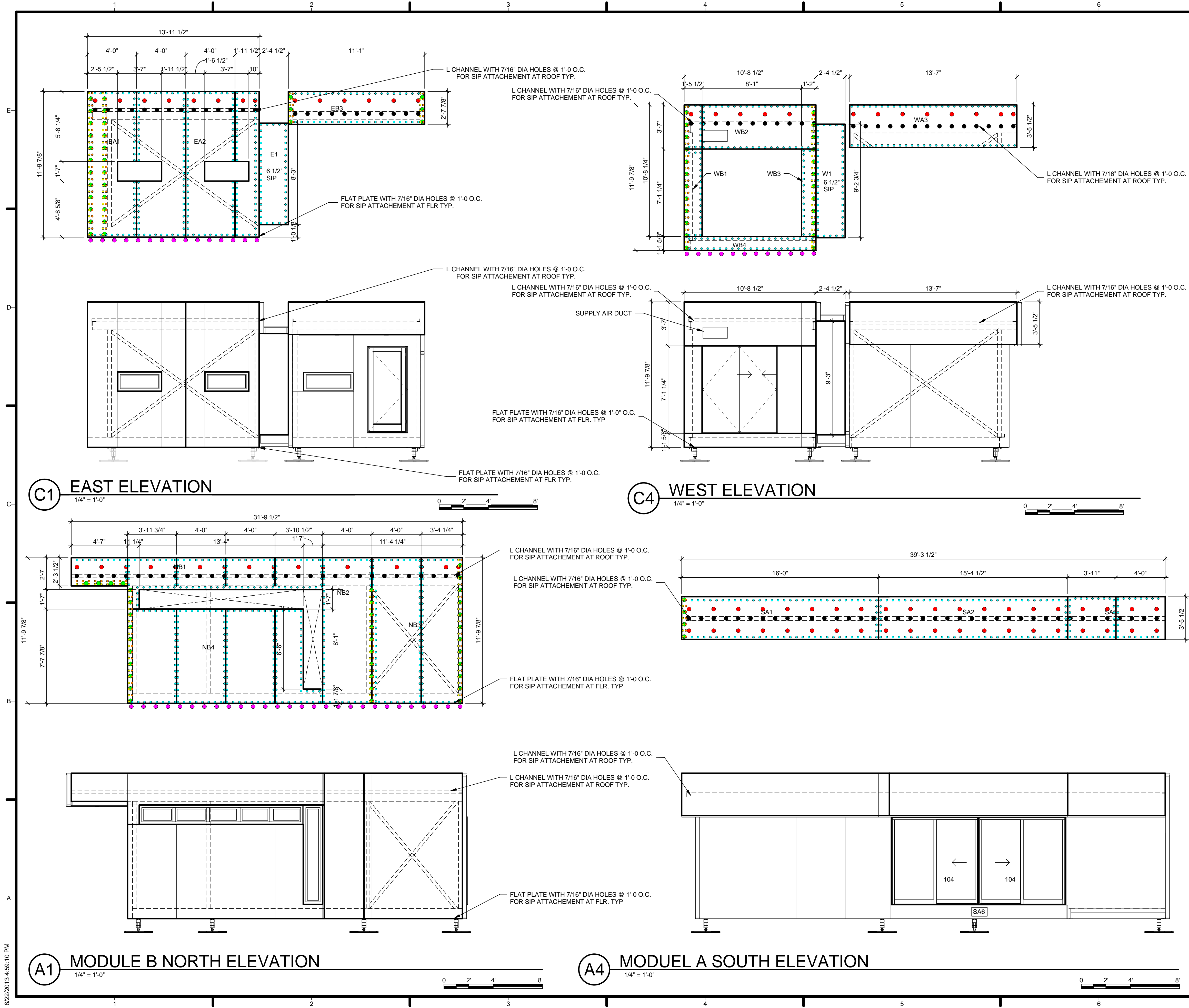
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SHEET TITLE
SIP ROOF PLAN

A-732

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GENERAL SHEET NOTES

- 6" SIPHD OR 3/8" CARRAGE BOLT
- 6" SIPHD SCREW
- 8" SIPLD SCREW
- 8" SIPLD SCREW OR THREAD POINT SCREW
- THREAD POINT SCREW
- 2 - 10D NAILS
- 4 - 8D RING SHANK NAIL
- 2 - 8D NAILS
- 1 - 8D NAIL

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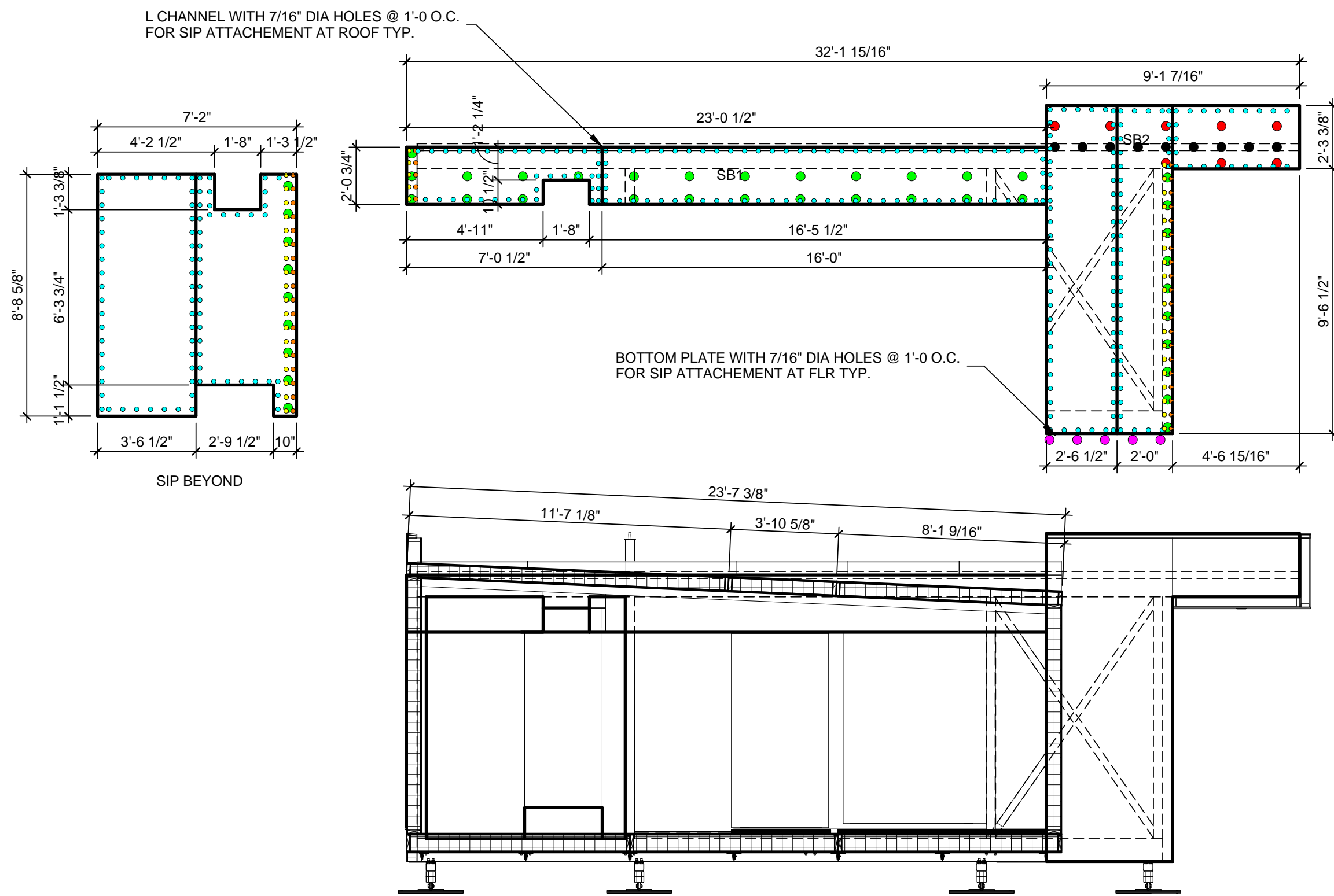
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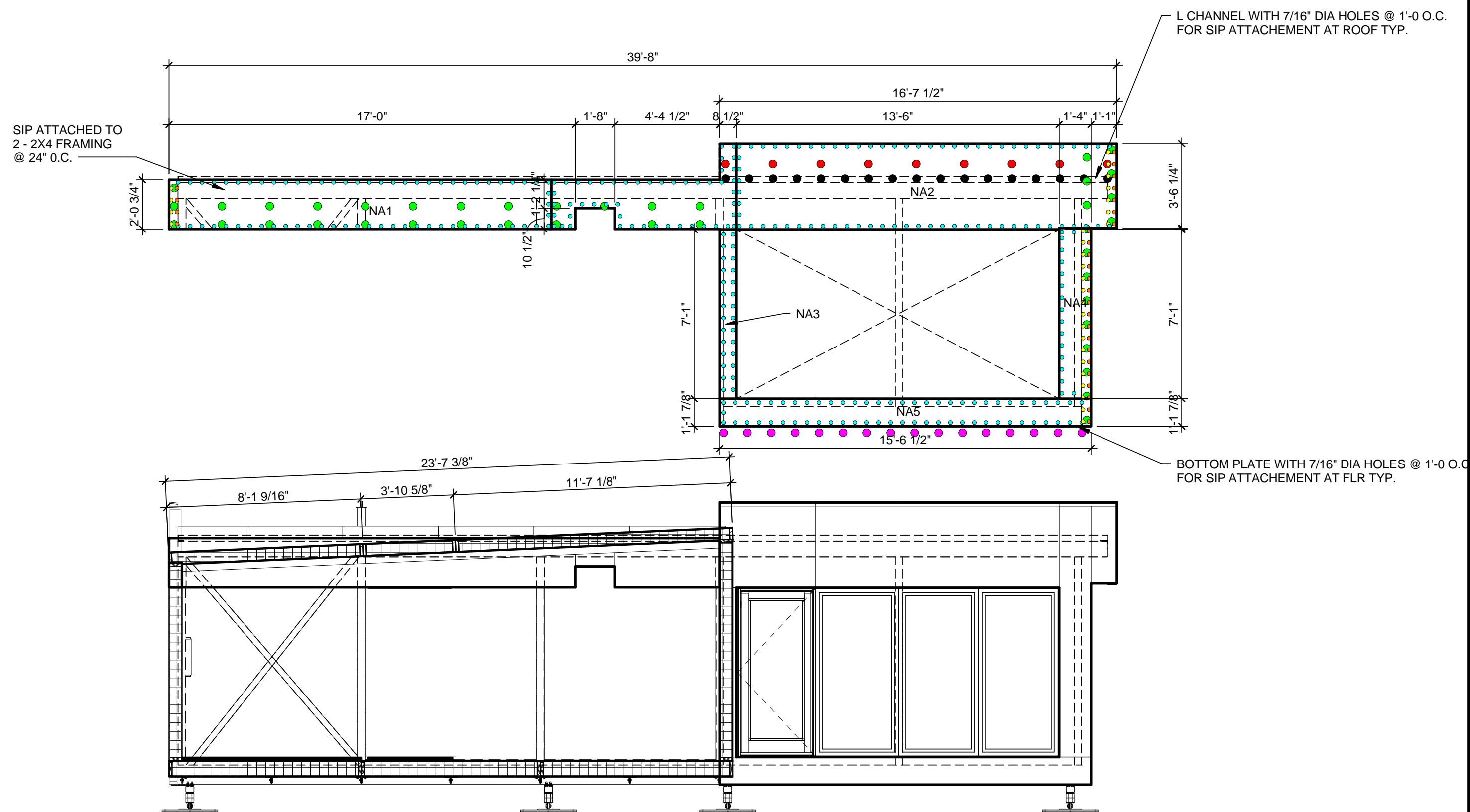
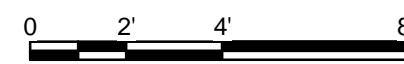
SHEET TITLE
SIP ELEVATIONS

A-734

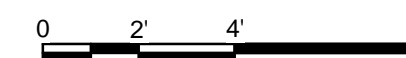
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2 MODULE B SEPERATION
1/4" = 1'-0"



1 MODULE A SEPERATION
1/4" = 1'-0"




GENERAL SHEET NOTES

- 6" SIPHD OR 3/8" CARRIAGE BOLT
- 6" SIPHD SCREW
- 8" SIPLD SCREW
- 8" SIPLD SCREW OR THREAD POINT SCREW
- THREAD POINT SCREW
- 2 - 10D NAILS
- 4 - 8D RING SHANK NAIL
- 2 - 8D NAILS
- 1 - 8D NAIL

REFERENCE KEYNOTES

SHEET KEYNOTES



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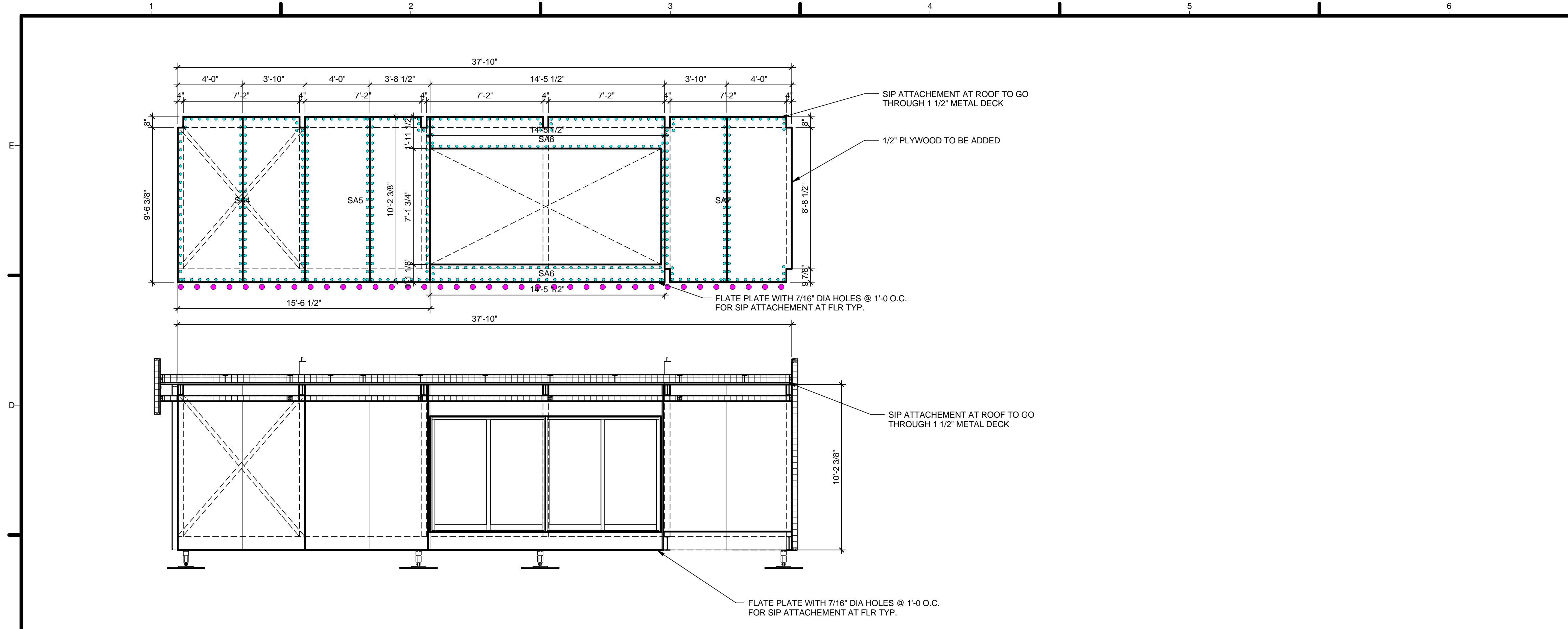
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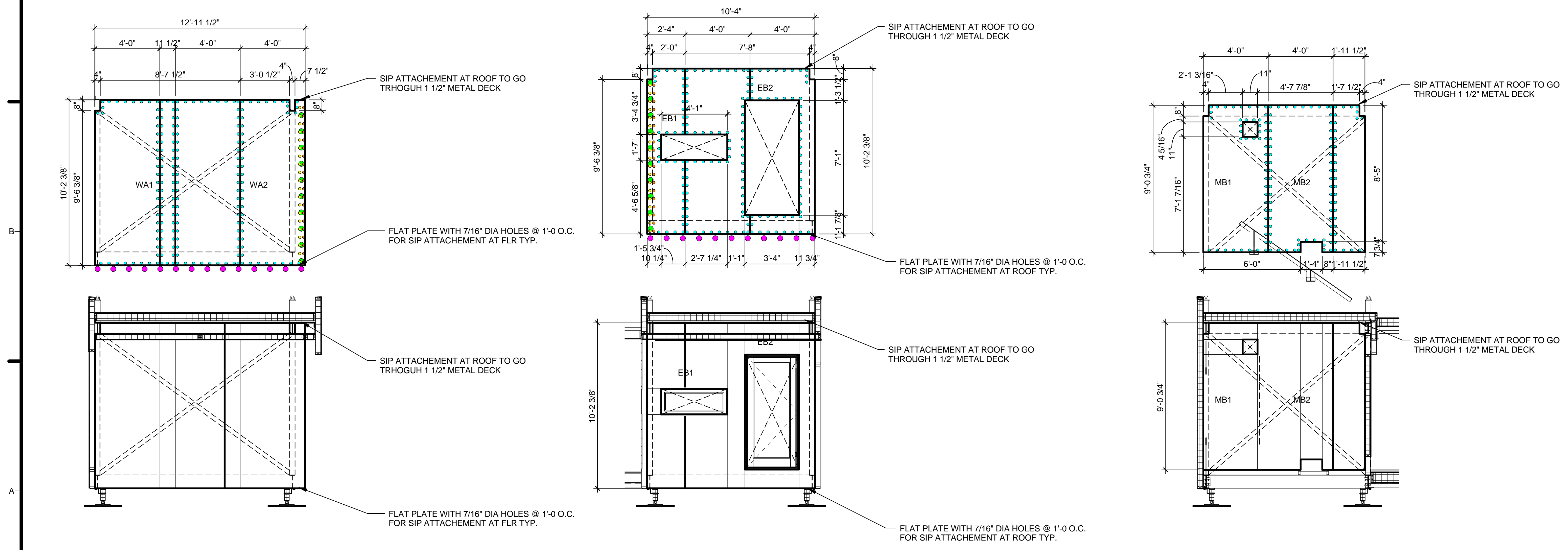
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SIP SEPERATION SECTIONS

A-735



C1 SIP SECTION MODULE A OVERHANG S
1/4" = 1'-0"



A1 MODULE A OVERHANG
1/4" = 1'-0"

A3 MODULE B OVERHANG
1/4" = 1'-0"


A5 MECH WALL
1/4" = 1'-0"

GENERAL SHEET NOTES

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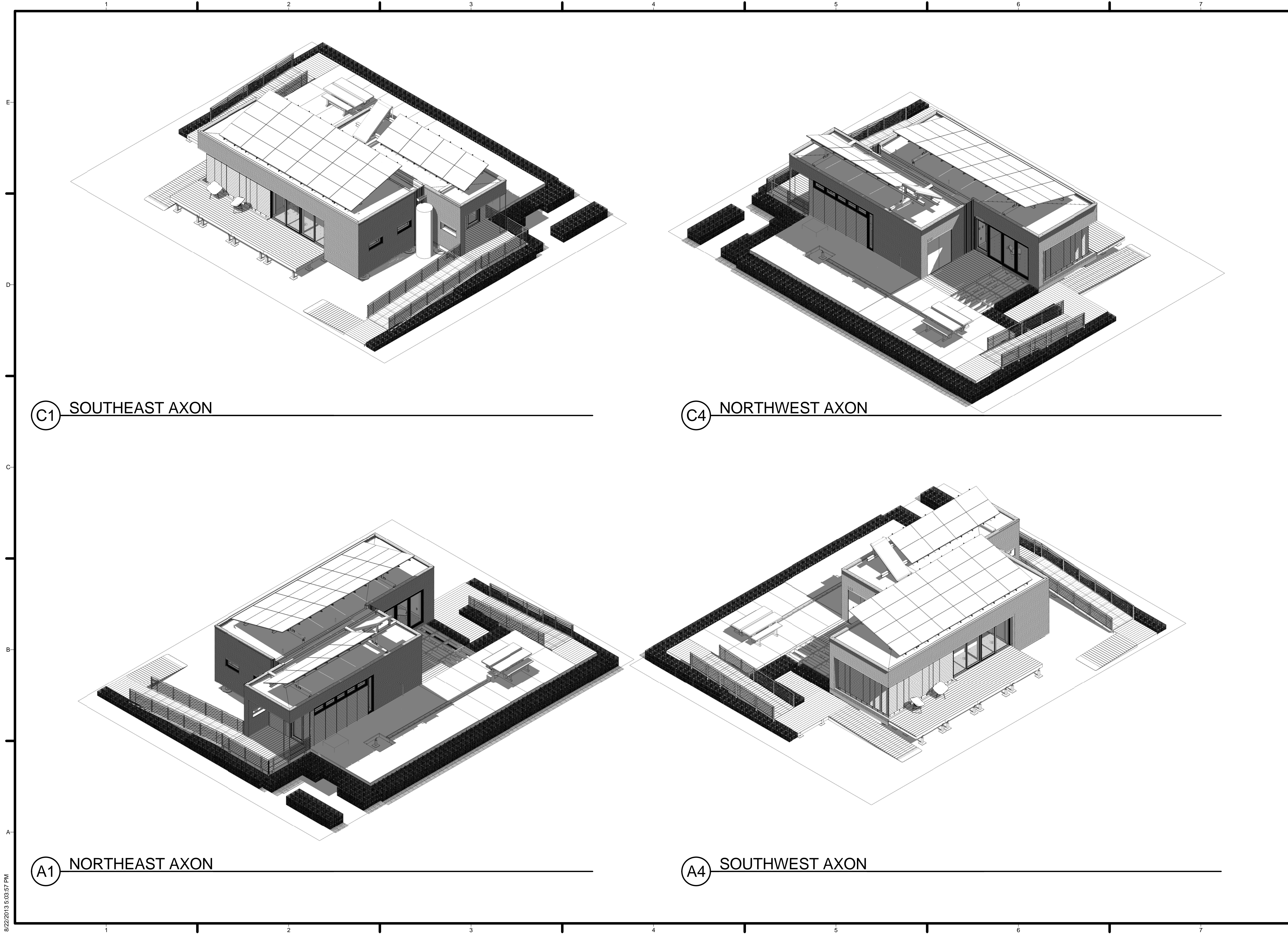
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SHEET TITLE
SIP OVERHANG SECTIONS

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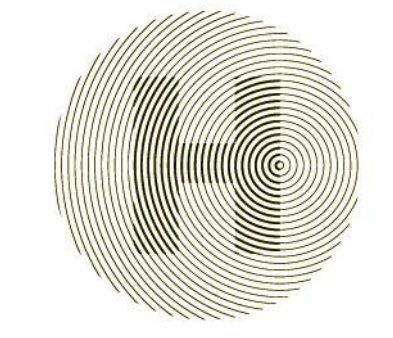
C1 SOUTHEAST AXON

C4 NORTHWEST AXON

A1 NORTHEAST AXON

A4 SOUTHWEST AXON

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2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

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SHEET TITLE
 AXONS

A-901

FIRE ALARM SYMBOLS	
SYMBOL	DESCRIPTION
① F	HEAT DETECTOR RF - RATE OF RISE AND FIXED TEMPERATURE RC - RATE COMPENSATION F - FIXED TEMPERATURE R - RATE OF RISE ONLY
② P	SMOKE DETECTOR P - PHOTOELECTRIC BR - BEAM RECEIVER BT - BEAM TRANSMITTER I - IONIZATION ASD - AIR SAMPLING

SPRINKLER SCHEDULE										
ITEM	MANUFACTURER	MODEL	TYPE	DIAMETER DIMENSION (IN)	COVERAGE AREA (IN X IN)	REQUIRED FLOW RATE (GPM)	REQUIRED PRESSURE (PSI)	K FACTOR (GPM/PSI)	TEMPERATURE RATING (F/C)	NOTES
S-1	TYCO	TY2524	FLAT PLATE CONCEALED PENDENT	3 3/16	16 X 16	13	7	4.9	160 (71)	
S-2	TYCO	TY2234	RAPID RESPONSE SERIES LFII RESIDENTIAL	2 7/8	16 X 16	17	12	4.9	175 (79)	

GENERAL SHEET NOTES

- IN COMPLIANCE WITH IRC 2012 AND NFSA 2010 13D:
1. MAXIMUM DISTANCE BETWEEN SPRINKLERS: 16 FEET
 2. SPRINKLER MUST BE AT LEAST 18 INCHES FROM EDGE OF AN OVEN OR STOVE
 3. SPRINKLER MUST BE AT LEAST 24 INCHES FROM THE EDGE OF A BULKHEAD THAT IS 1 FOOT OR GREATER BELOW CEILING HEIGHT
 4. SPRINKLER IN MECHANICAL CLOSET MUST BE AT LEAST 6 INCHES FROM THE EDGE OF WATER HEATING EQUIPMENT OR EXHAUST DUCTS
 5. SPRINKLERS THROUGHOUT HOUSE CAN BE CONCEALED BUT SPRINKLER IN MECHANICAL ROOM MUST BE EXPOSED.



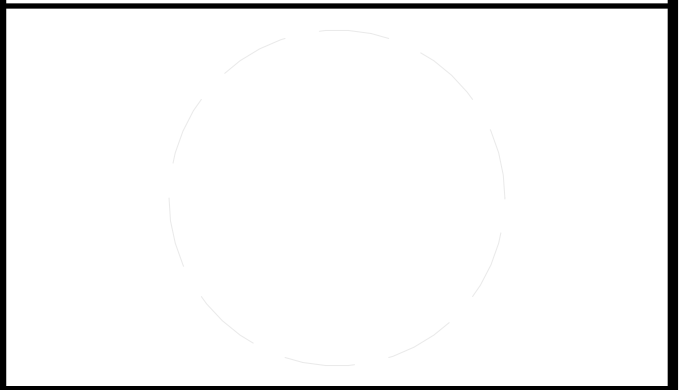
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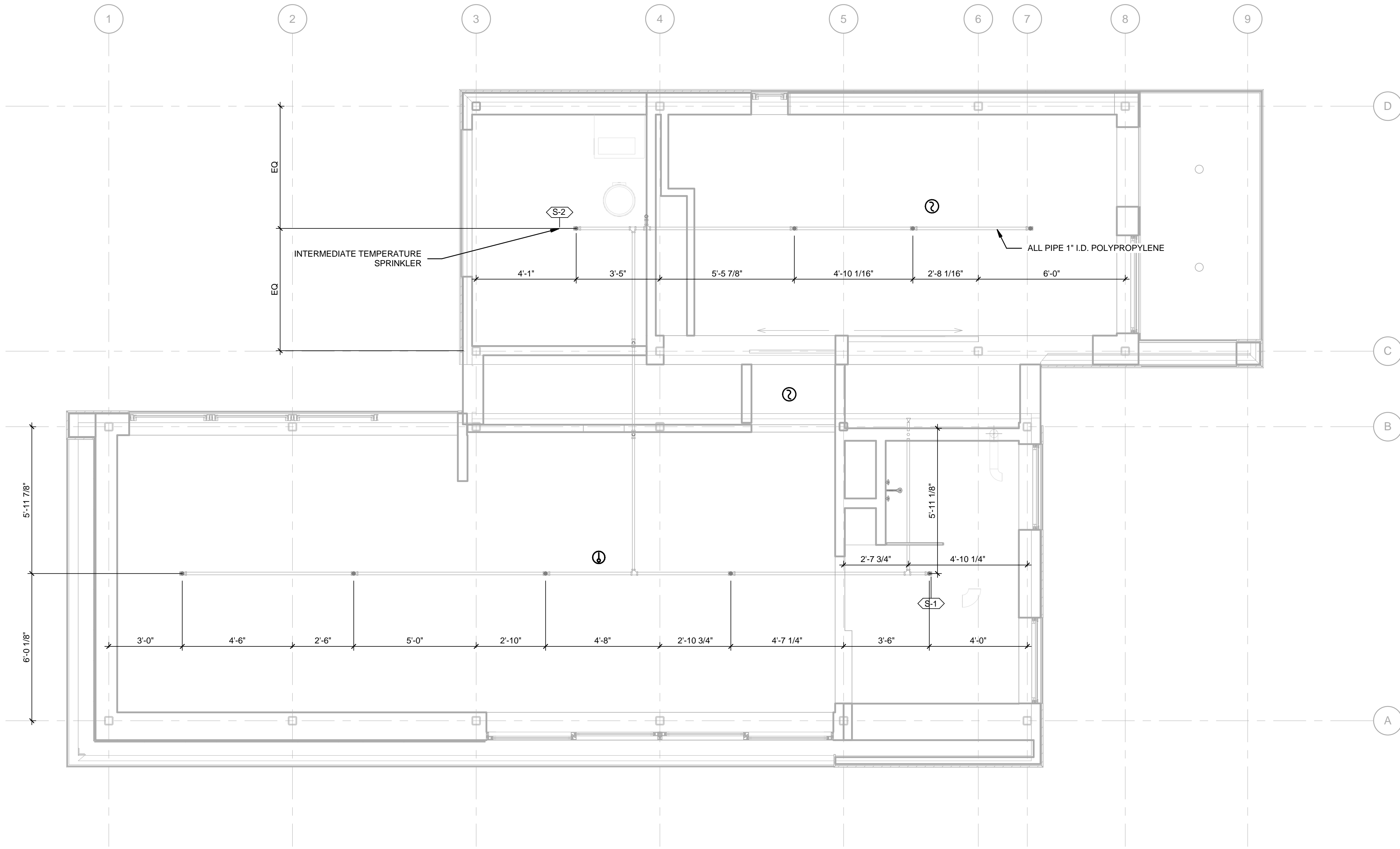
- | | |
|----|------------------------------------|
| 55 | INTERMEDIATE TEMPERATURE SPRINKLER |
| 56 | ALL PIPE 1" I.D. POLYPROPYLENE |

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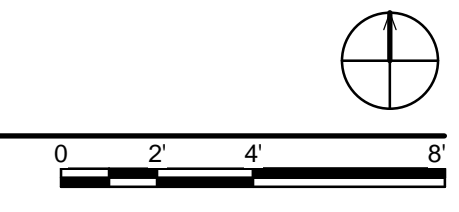
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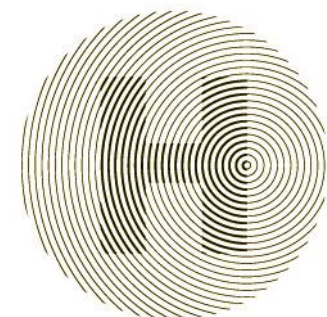
SHEET TITLE
 FIRE SUPPRESSION PLAN & SCHEDULES

F-101



A1 FIRE SUPPRESSION PLAN
 3/8" = 1'-0"





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SHEET TITLE
PLUMBING NOTES AND SYMBOLS

P-001

ABBREVIATIONS	
SYMBOL	DESCRIPTION
DHW	DOMESTIC HOT WATER
SPL	SUPPLY TANK
GWT	GRAY WATER TANK
BWT	BLACK WATER TANK
WBP	WATER BOOSTER PUMP
STP	SOLAR THERMAL TANK
VTR	VENT THROUGH ROOF
CW	CLOTHES WASHER
DW	DISH WASHER
KS	KITCHEN SINK
WC	WATER CLOSET
BS	BATHROOM SINK
S	SHOWER
ST	SOLAR THERMAL

PIPING SYMBOLS	
SYMBOL	DESCRIPTION
	WATER STORAGE TANK
	PUMP
	ACCUMULATOR TANK
	MANUAL VALVE
	END CAP
	THEROMETER
	CHECK VALVE
	PIPE DROP OR DOWN
	PIPE RISE OR UP
	'P' TRAP
	VENT THROUGH ROOF
	HOSE BIBB
	DIRECTION OF FLOW
	EQUIPMENT TYPE
	PRESSURE GAUGE
	COLD WATER PIPING FOR DOMESTIC PURPOSES
	HOT WATER PIPING FOR DOMESTIC PURPOSES
	VENT PIPING

DOMESTIC HOT WATER TANK SCHEDULE													
ITEM	MANUFACTURER	LOCATION	SERVICE	CALCULATED MINIMUM VOLUME (GAL)	TANK AND ACCEPTANCE VOLUME (GAL)	LENGTH (IN)	DIAMETER (IN)	MINIMUM CHARGE PRESSURE (PSIG)	SYSTEM OPERATING TEMP (F)	ELECTRICAL DATA		MOUNTING	NOTES
										KW	V/PH/Hz		
DHW	SUNMAXX SOLAR	MECHANICAL ROOM	HOT WATER SUPPLY TANK	8	14	48 1/4	22	150	115	4.5	120/1/60	MOUNTED TO FLOOR	1

NOTES:
 1. TANK IS TO SIT ON DRAIN PAN

PLUMBING FIXTURE SCHEDULE										
CODE	DESCRIPTION	WASTE	VENT	CW	HW	MANUFACTURER/MODEL NUMBER	ELECTRICAL DATA		NOTES	
							KW	V/PH/Hz		
P-1	LAVATORY	1 1/4	1 1/2	1/2	1/2	KOHLER / PURIST LAVATORY 2314-0	-	-	-	
P-2	CLOTHES WASHER	1 1/4	1 1/2	1/2	1/2	FRIGIDAIRE AFFINITY / FAFS4073NW	-	120/1/60	-	
P-3	DISHWASHER	1 1/4	1 1/2	1/2	1/2	FISHER & PAYKEL / DISHDRAWER WIDE DD36SDFTX2	-	120/1/60	1	
P-4	KITCHEN SINK			1/2	1/2	KOHLER / VAULT KITCHEN SINK 3894-4-NA	-	-	1	
P-5	SHOWER	1 1/4	1 1/2	1/2	1/2	KOHLER / PURIST ECO SHOWER TRIM T14422-4E-CP	-	-	-	
P-6	WATER CLOSET	3	1 1/2	1/2	-	KOLER / PERSUADE TOILET BOWL 4322-0	-	-	-	
P-7	SHOWER DRAIN	2	1 1/2	-	-	SCHLUTER / KERDI-LINE / KLV 60 E 90	-	-	-	

NOTES:
 1. DISHWASHER AND KITCHEN SINK SHALL SHARE DRAIN

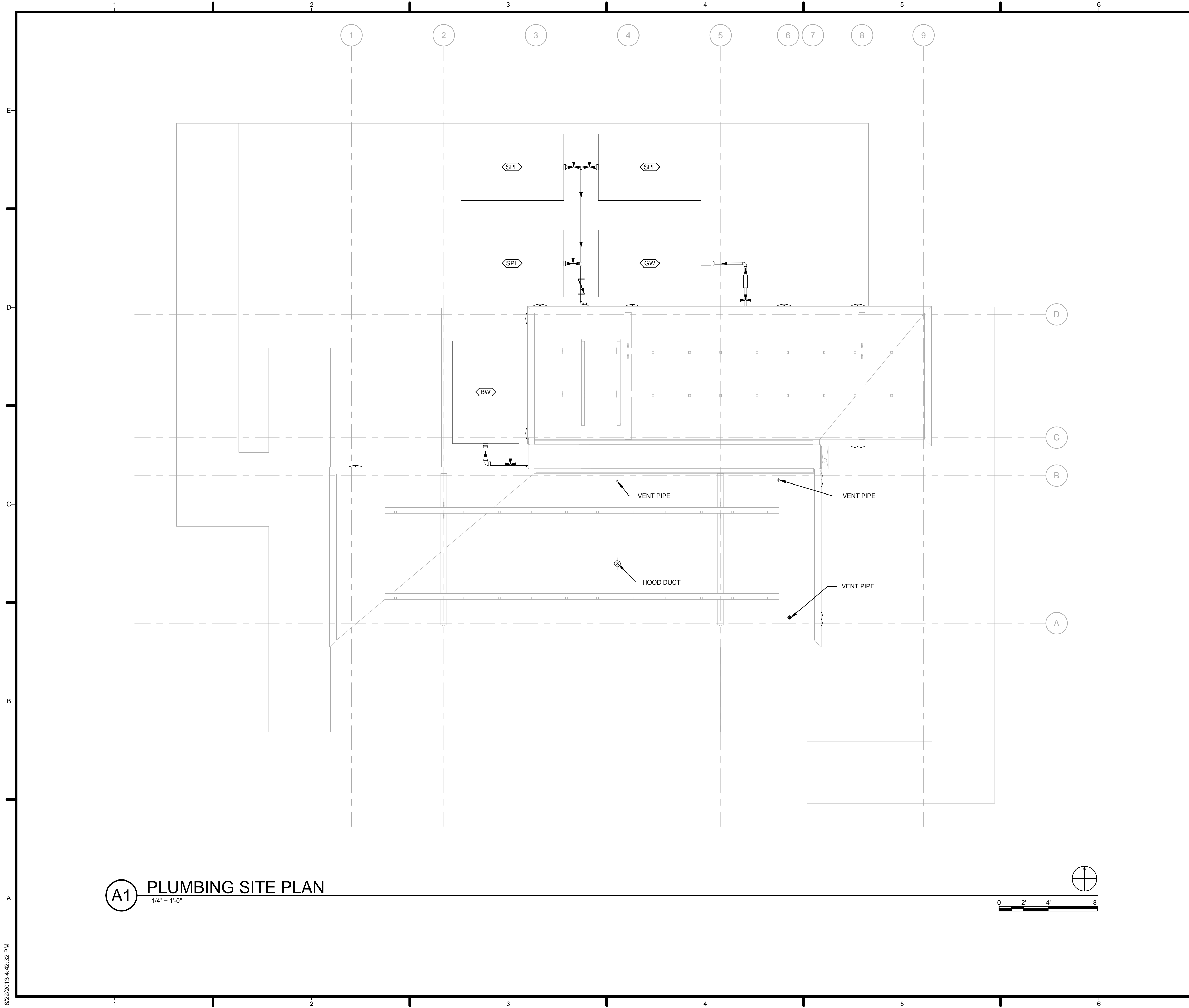
SUPPLY AND DRAINAGE TANK SCHEDULE									
ITEM	MANUFACTURER	LOCATION	SERVICE	QTY	CAPACITY (GAL)	DIMENSIONS LXWXH (+/- 6" WHEN FILLED)	INLET DIAMETER (IN)	EMPTY WEIGHT (LBS)	NOTES
SPL	FOLDA-TANK	NORTH-CENTRAL FROM HOUSE	SUPPLY	3	525	8'-3"x5'-4"x18"	4	33	-
GW	FOLDA-TANK	NORTH EAST OF HOUSE	GRAY WATER	1	525	8'-3"x5'-4"x18"	4	33	-
BW	FOLDA-TANK	SOUTH-CENTRAL FROM HOUSE	BLACK WATER	1	525	8'-3"x5'-4"x18"	4	33	-

PUMP SCHEDULE												
ITEM	EQUIPMENT DESCRIPTION	MODEL	LOCATION	SYSTEM	GPM	HEAD (FT)	ELECTRICAL DATA				WEIGHT (LBS)	NOTES
							HP	VOLT	PHASE	HZ		
WBP	GOULDS	JRS5K	MECHANICAL ROOM	WATER BOOSTER PUMP & ACCUMULATOR TANK	14.6	6	0.5	230	1	60	58	2, 3
STP	SUNMAXX SOLAR	UNIMAXX PLUS PUMP STATION	MECHANICAL ROOM	SOLAR THERMAL	0.26 - 3.43	5	0.12	115	1	60	-	1, 2
ST	SUNMAXX SOLAR	TITAN POWER PLUS SU-2 FLAT PLATE COLLECTOR	ROOF	SOLAR THERMAL	.13 - .79	-	-	-	-	-	75	-

NOTES:
 1. PUMP STP IS TO BE MOUNTED TO WALL
 2. PUMPS ARE IN-LINE
 3. PUMP WBP IS TO BE MOUNTED TO FLOOR

DRAINPAN SCHEDULE							
ITEM	MANUFACTURER	MODEL NO.	LOCATION	EQUIPMENT SERVED	DIMENSION (IN)	CONNECTION FOR DRAIN DIAMETER (IN)	NOTES
DP-1	SEARS	33016	MECHANICAL ROOM	DHW	DIAMETER 24	1	DHW SITS ON DRAIN PAN
DP-2	CAMCO	20752	BEDROOM CLOSET	CW	30 X 32	1	CW SITS ON DRAIN PAN

- SUPPLY WATER SHALL FIRST TRANSITION FROM 4" OUTLET OF TANKS TO 1 1/4" PIPING WITH THE USE OF A BUSHING LOCATED DIRECTLY AT THE OUTLET OF TANK.
- SUPPLY WATER SHALL RUN THROUGH CEILING BETWEEN TAPERED RIGID INSULATION AND EXTERIOR GRADE PLYWOOD.
- SUPPLY WATER SHALL DROP VERTICALLY TO FIXTURES THROUGH WALL SPACE IN AN APPROPRIATE FASHION TO MEET FIXTURE INLET.
- A PURPLE PRIMER THAT CONFORMS TO ASTM F 656 SHALL BE APPLIED TO PVC SOLVENT-CEMENTED JOINTS. SOLVENT CEMENT FOR PVC PLASTIC PIP CONFORMING TO ASTM D 2554 SHALL BE APPLIED TO ALL JOINT SURFACES.
- MANUAL VALVES SHALL BE PVC NON-UNION BALL VALVES OF APPROPRIATE SIZE, PROVIDED BY AMERICAN VALVE, INC. AND SHALL BE MSS SP-122 STANDARD WITH A PRESSURE RATING OF AT LEAST 125 PSIG AT 73 F.
- CHECK VALVES SHALL BE PVC BALL CHECK VALVES OF APPROPRIATE SIZE, PROVIDED BY AMERICAN VALVE, INC. AND SHALL HAVE A PRESSURE RATING OF A LEAST 126 PSIG AT 73 F.
- TRANSITION FITTINGS IN BETWEEN PIPES OF DISSIMILAR DIAMETER SHALL BE SLEEVE-TYPE TRANSITION COUPLINGS (AWWA C219) PROVIDED BY CASCADE WATERWORKS MANUFACTURING. FITTING SHALL HAVE PRESSURE RATING AT LEAST EQUAL TO PIPES TO BE JOINED.



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



GENERAL SHEET NOTES

1. REFER TO SHEET P-001 FOR ABBREVIATIONS AND SYMBOLS

REFERENCE KEYNOTES

67 VENT PIPE

SHEET KEYNOTES

MARK	DATE	DESCRIPTION
4	2013.08.22	As-Built Submission
3	2013.02.04	100% CD Submission
2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

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PLUMBING SITE PLAN

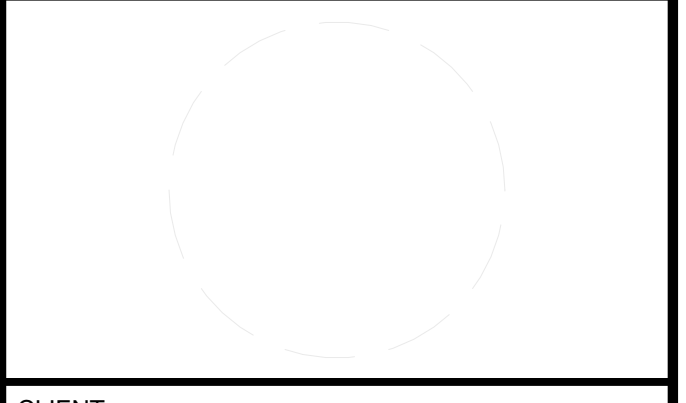


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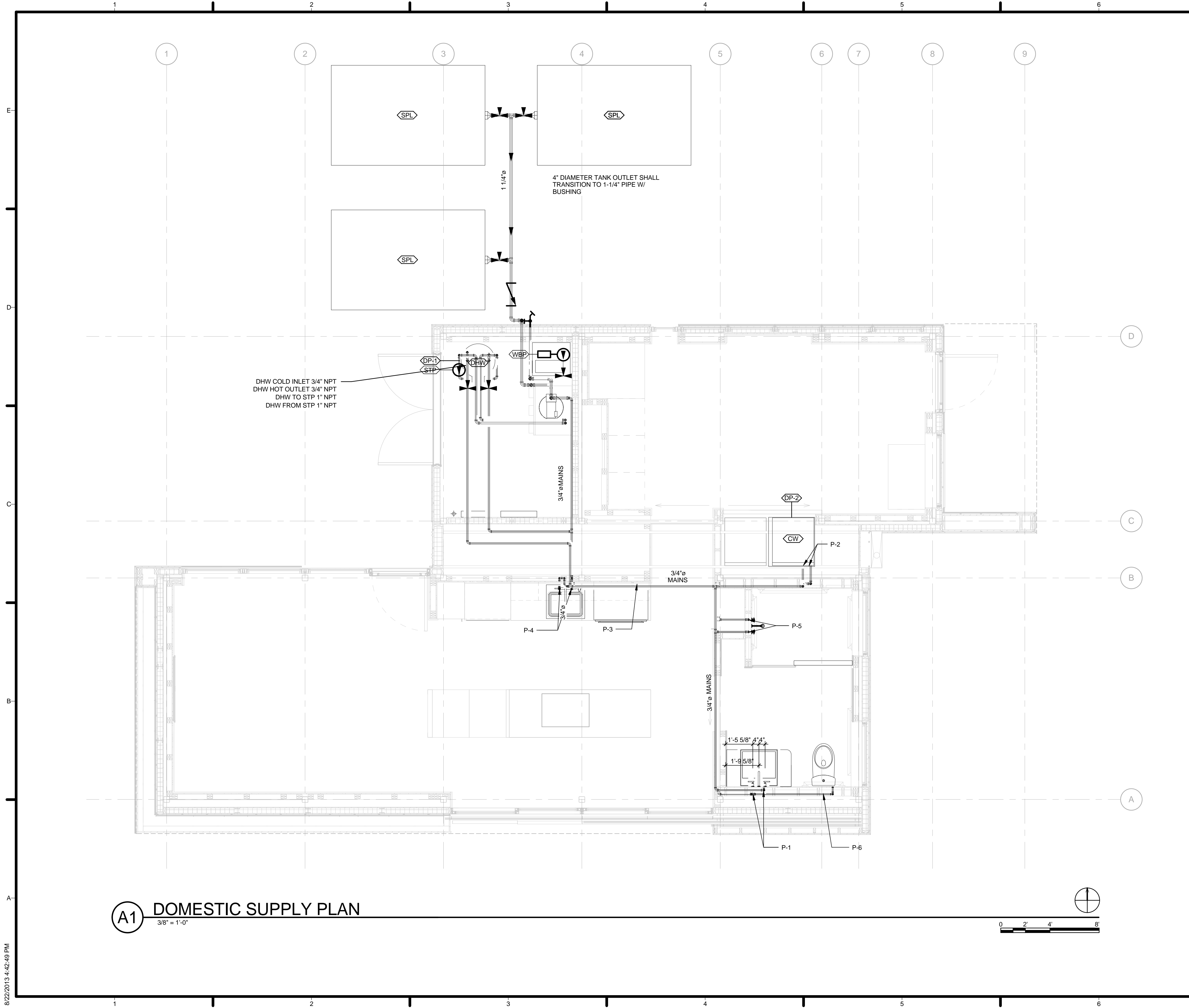
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PLUMBING SITE PLAN

P-101



A1 DOMESTIC SUPPLY PLAN
3/8" = 1'-0"


GENERAL SHEET NOTES

1. ALL DOMESTIC WATER SUPPLY SHALL BE MADE OF PVC SCHEDULE 40.
2. SUPPLY WATER PIPING SHALL RUN ALONG FLOOR IN MECHANICAL ROOM
3. WBP Ø 15.75" HEIGHT 38.0" TO BE MOUNTED TO FLOOR
4. STP WIDTH 12.5", HEIGHT 20.5", TO FLBE MOUNTED TO FLOOR
5. ALL FIXTURES SHALL HAVE MANUAL VALVES LOCKED NEAR PIPE CONNECTION, EXCEPT FOR SHOWER
6. DP-1 AND DP-2 SHALL DRAIN OUTSIDE OF STRUCTURE AS SHOWN IN P-102
7. DHW COLD INLET

REFERENCE KEYNOTES

77 DHW COLD INLET 3/4" NPT
 78 DHW HOT OUTLET 3/4" NPT
 79 DHW TO STP 1" NPT
 80 DHW FROM STP 1" NPT

SHEET KEYNOTES



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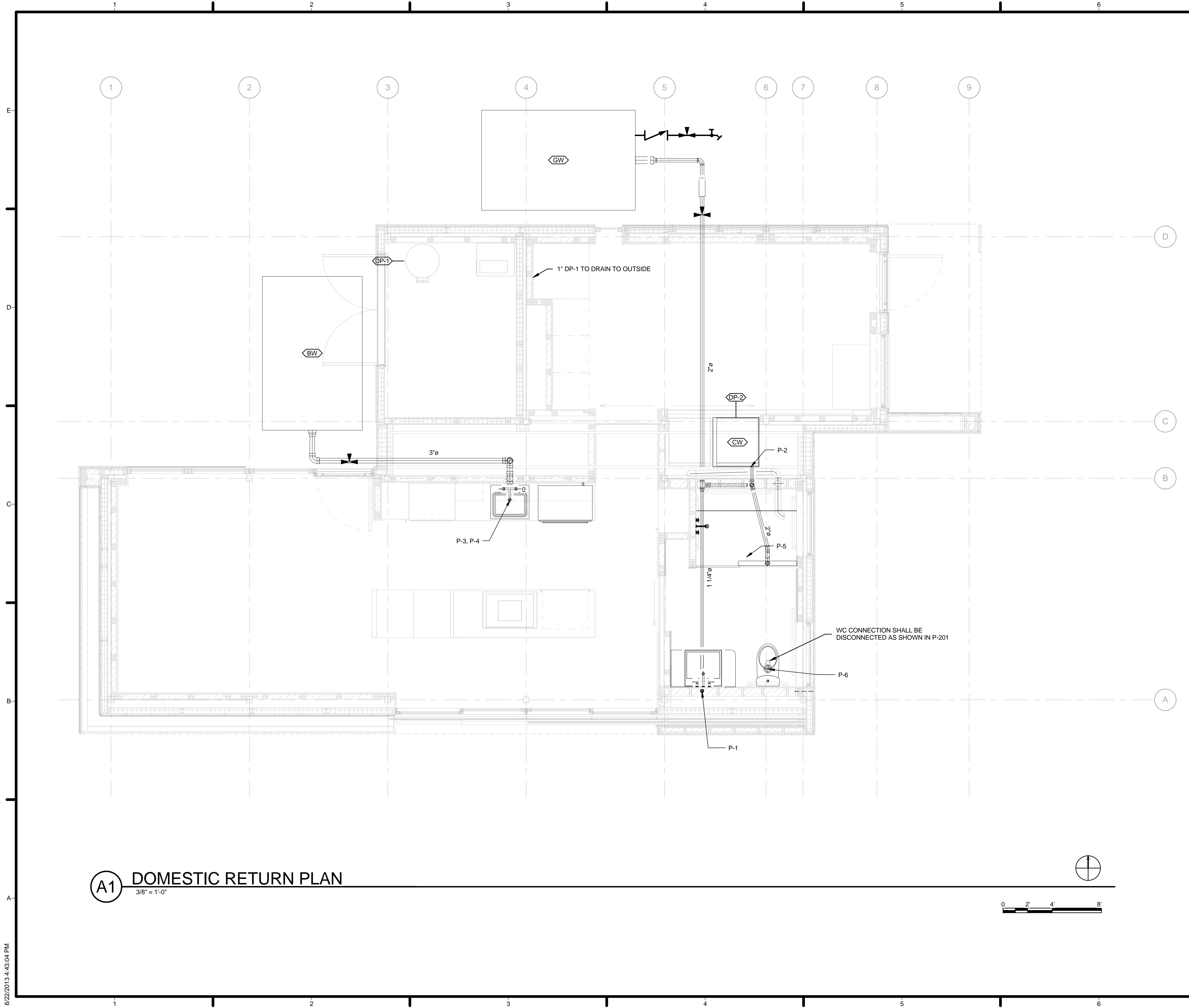
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SHEET TITLE
DOMESTIC SUPPLY PLAN

P-102

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A1 DOMESTIC RETURN PLAN
3/8" = 1'-0"


GENERAL SHEET NOTES

1. ALL SANITARY PIPING SHALL BE MADE OF PVC SCHEDULE 40.
2. COORDINATION OF SANITARY PIPING RUNNING UNDERNEATH STRUCTURE MUST BE COORDINATED WITH INSTALL OF STRUCTURALLY INSULATED PANELS (SIP).

REFERENCE KEYNOTES

SHEET KEYNOTES

- 72 1" DP-1 TO DRAIN TO OUTSIDE
- 74 WC CONNECTION SHALL BE DISCONNECTED AS SHOWN IN P-201



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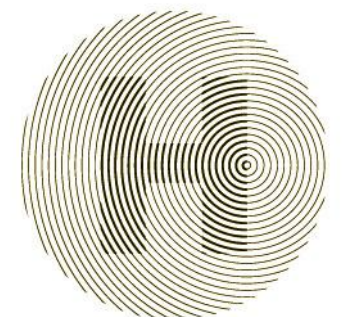
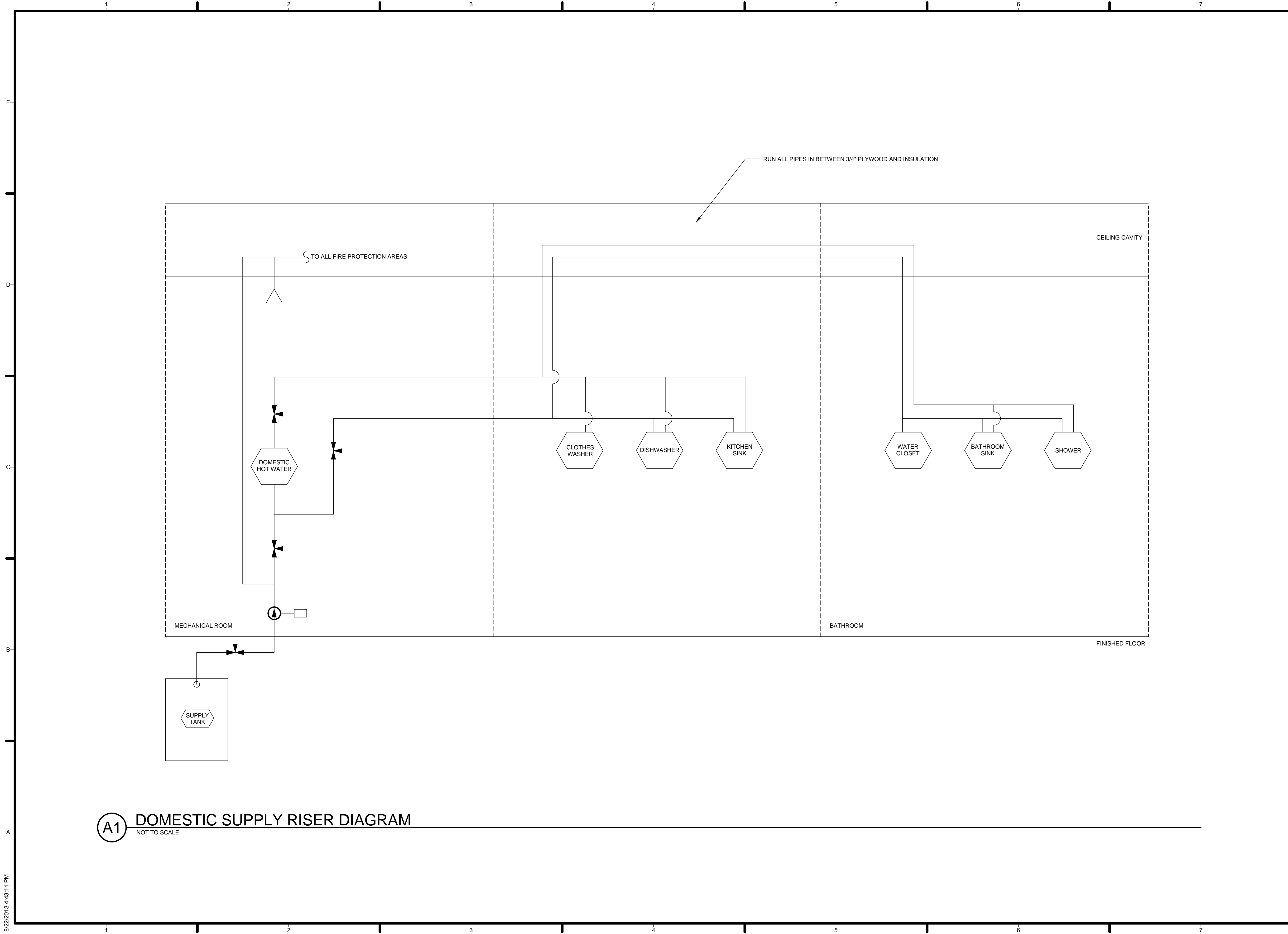
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SHEET TITLE
DOMESTIC RETURN PLAN

P-103

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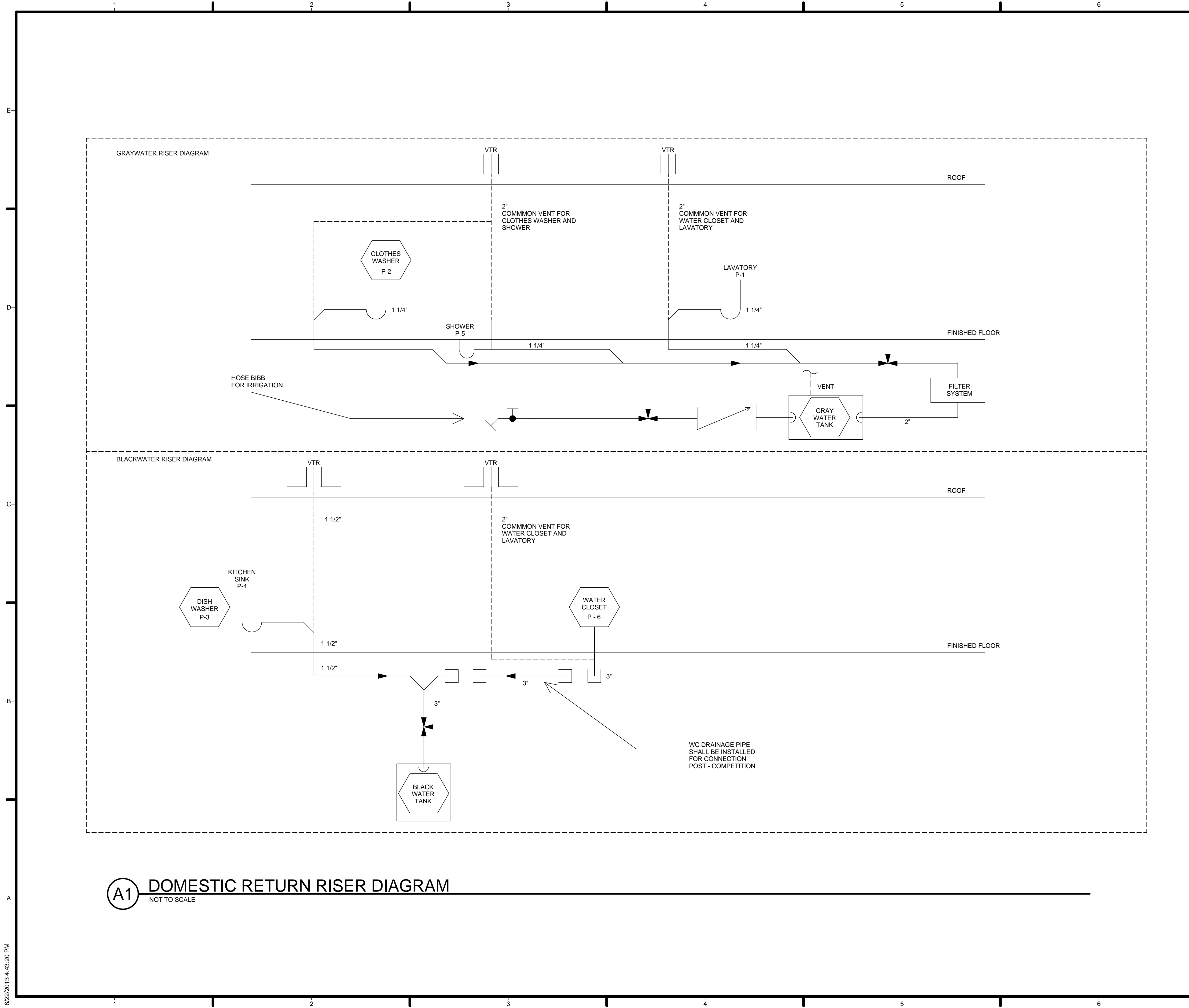
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SHEET TITLE
DOMESTIC SUPPLY RISER DIAGRAM

P-501

A1 DOMESTIC SUPPLY RISER DIAGRAM
NOT TO SCALE

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A1 DOMESTIC RETURN RISER DIAGRAM
NOT TO SCALE

GENERAL SHEET NOTES

1. ALL SANITARY DRAIN WASTE LINES SHALL PROTRUDE THROUGH BUILDING AND SLOPE AT 1/8" PER FOOT
2. FILTER SYSTEM SHALL BE PROVIDED BY DRIPWORKS. ITEM # FIPL200J PLASTIC FINE SCREEN INLINE FILTER; 200 MESH
3. "P-TYPE" SANITARY TRAPS SHALL BE USED.
4. PIPING RUNNING UNDER BUILDING SHALL BE INSTALLED AND HELD IN PLACE EVERY 30 FEET (OR AS APPROPRIATE) USING MSS TYPE 1, ADJUSTABLE, STEEL CLEVIS HANGERS.

REFERENCE KEYNOTES

SHEET KEYNOTES



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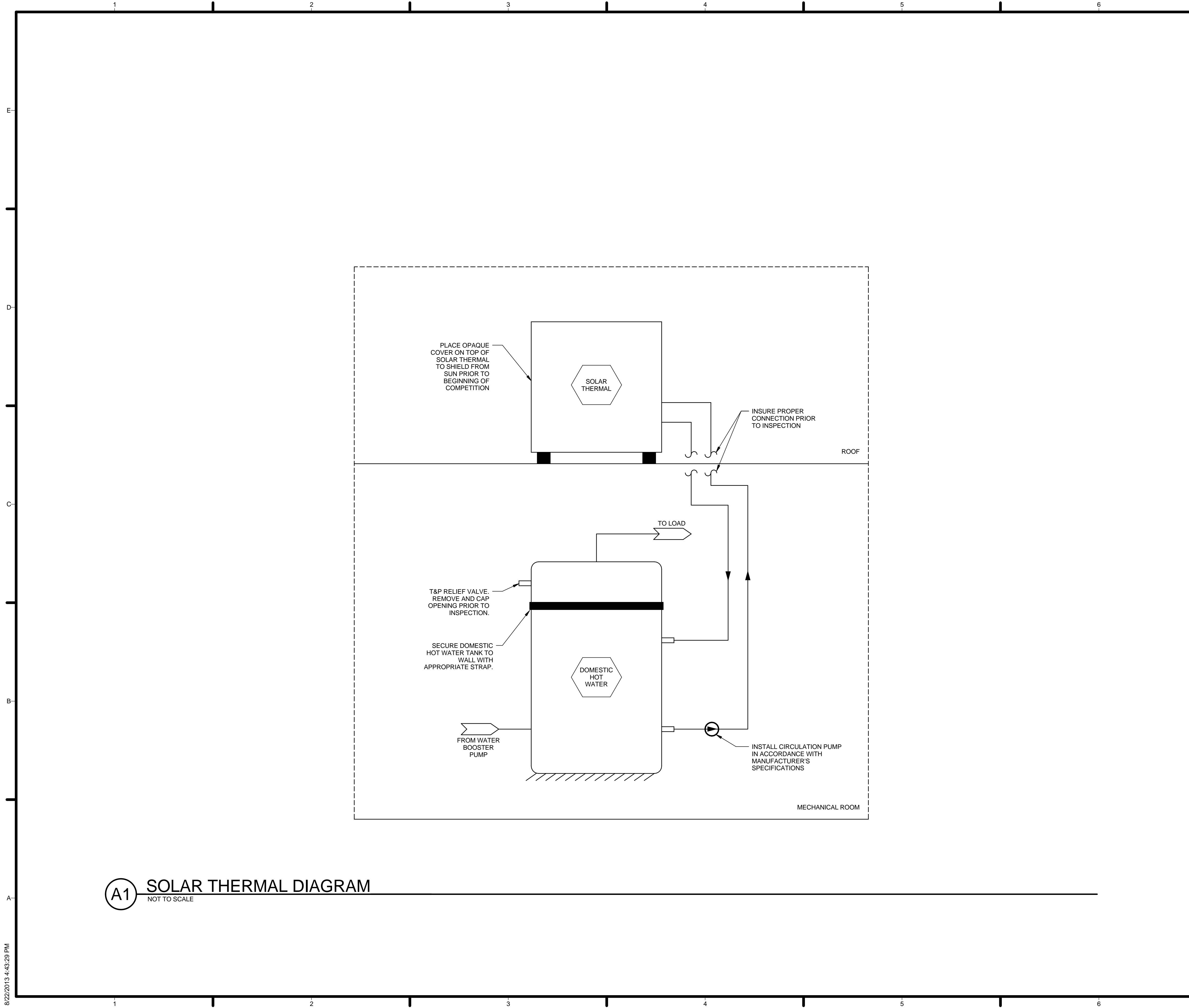
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SHEET TITLE
DOMESTIC RETURN RISER DIAGRAM

P-502

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A1 SOLAR THERMAL DIAGRAM
NOT TO SCALE

GENERAL SHEET NOTES

1. TEAM MUST CYCLE THE WATER SUPPLY SYSTEM PRIOR TO COMPETITION TO INSURE REMOVAL OF ALL AIR POCKETS.
2. LABEL SOLAR THERMAL SUPPLY AND RETURN LINES.
3. POTABLE WATER SHALL BE USED AS HEAT TRANSFER MEDIUM WITHIN SOLAR THERMAL LOOP.

REFERENCE KEYNOTES

SHEET KEYNOTES

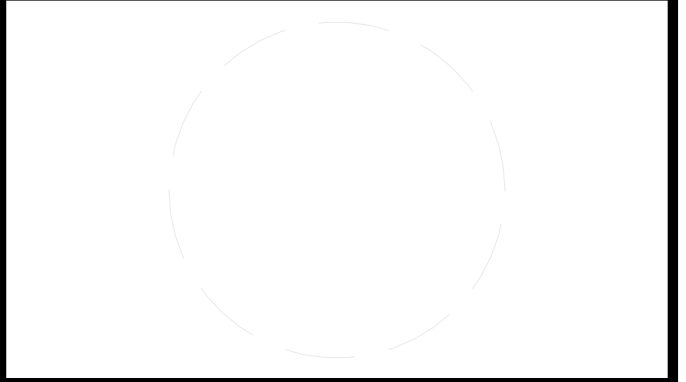


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

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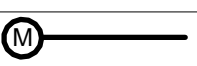

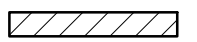
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SHEET TITLE
**SOLAR THERMAL
DIAGRAM**

P-503

ABBREVIATIONS	
SYMBOL	DESCRIPTION
AHU	AIR HANDLING UNIT
BMS	BUILDING MANAGEMENT SYSTEM
DHW	DOMESTIC HOT WATER TANK
HP	HEAT PUMP
IDD	INTEGRATED DUCT DAMPERS

SYMBOLS	
SYMBOL	DESCRIPTION
	THERMOMETER
	HUMIDISTAT

DUCT SYMBOLS	
SYMBOL	DESCRIPTION
	DAMPER
	SUPPLY DIFFUSER
	RETURN GRILL

ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.

AIR HANDLING UNIT SCHEDULE																						
ITEM	MANUFACTURER	MODEL NO.	LOCATION	AREA SERVED	OUTSIDE AIR	SUPPLY FAN				COOLING				HEATING		FILTER		NOTES				
						DESIGN RATE (CFM)	MAX RATE (CFM)	EXTL SP (IN WG)	MOTOR DATA				EAT DB (F)	EAT WB (F)	LAT DB (F)	LAT WB (F)	CAPACITY (MBH)		EAT CAPACITY (F)	MBH	LWd	MERV
									HP	VOLT	PH	HZ										
AHU	YORK	MV12DN21C	MECHANICAL ROOM	ALL CONDITIONED SPACES	30	900	1,200	0.50	-	240	1	60	46.5	64.9	53.5	52.9	36.0	34.0	36.0	20x24x2	8	1, 2

NOTES:
1. HEATING AND COOLING MODES UTILIZE THE SAME COIL. COIL SIZED FOR COOLING CONDITIONS.
2. PROVIDE DRAIN LINE

AIR TO AIR HEAT PUMP SCHEDULE																
ITEM	MANUFACTURER	MODEL NO.	ROOMS SERVED	LOCATION	COOLING				HEATING			ELECTRICAL DATA			NOTES	
					TOTAL CAPACITY (MBH)	SENS CAPACITY (MBH)	EAT DB (F)	EAT WB (F)	COMPRESSOR (KW)	CAPACITY (MBH)	EAT DB (F)	COMPRESSOR (KW)	VOLT	PH		HZ
HP	YORK	Y2H03611C	ALL CONDITIONED SPACES	OUTSIDE MECH ROOM	38.9	20.1	78.0	70.0	2.43	39.7	47.0	2.33	230	1	60	1

NOTES:
1. PROVIDE THERMAL EXPANSION VALVE APR CONTROL DEVICE BY RAWAL DEVICES, INC. OR EQUIVALENT

FAN SCHEDULE												
ITEM	MANUFACTURER	MODEL	TYPE	AREA SERVED	LOCATION	CFM	ESP (IN W.G.)	Electrical Data			NOTES	
								W	VOLTAGE/PH/HZ	RPM		
EF	GREENHECK	SP-890	CENTRIFUGAL	BATHROOM	Ceiling Mounted	89	0.10	49.7	115/160	700	-	
VH	FRIGIDAIRE	FHPC3680L S	CENTRIFUGAL	KITCHEN	Ceiling Mounted	400	-	520	120/160	-	-	

IRC 2012 TABLE M1507.3.3(1) - VENTILATION AIRFLOW REQUIREMENTS		
DWELLING UNIT FLOOR AREA (FT ²)	NUMBER OF BEDROOMS	REQUIRED AIRFLOW (CFM)
<15000	1	30

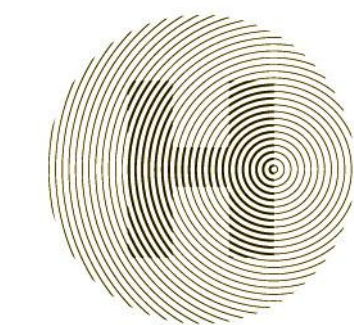
ELECTRIC HEATING COIL SCHEDULE													
ITEM	MANUFACTURER	MODEL NO.	LOCATION	AIR FLOW DATA							NOTES		
				DESIGN FLOW (CFM)	EXT SP DROP (IN WG)	COIL SIZE (INxIN)	AIR SIDE			ELECTRICAL			
							EAT DB (F)	LAT DB (F)	PEAK LOAD (KW)	VOLT		PH	HZ
EH-1	MARKEL	HF SERIES	SUPPLY DUCT	360	0.08	15x8	53.5	59.0	0.5	240	1	60	1
EH-2	MARKEL	HF SERIES	SUPPLY DUCT	300	0.08	15x8	53.5	59.0	0.5	240	1	60	1
EH-3	MARKEL	HF SERIES	SUPPLY DUCT	240	0.08	14x6	53.5	59.0	0.5	240	1	60	1

NOTES:
1. SEE FLOOR PLANS FOR LOCATION

ZONE CONTROL DAMPER SCHEDULE												
ITEM	MANUFACTURER	MODEL #	LOCATION	AIR FLOW DATA							NOTES	
				DESIGN FLOW (CFM)	EXT SP DROP (IN WG)	COIL SIZE (INxIN)	AIR SIDE					
							EAT DB (F)	VOLT AC	PH	HZ		
ZCD-1	JACKSON SYSTEMS	HF SERIES	SUPPLY DUCT	360	0.08	15x8	53.5	24	1	60	1, 2	
ZCD-2	JACKSON SYSTEMS	HF SERIES	SUPPLY DUCT	300	0.08	15x8	53.5	24	1	60	1, 2	
ZCD-3	JACKSON SYSTEMS	HF SERIES	SUPPLY DUCT	240	0.08	14x6	53.5	24	1	60	1, 2	

NOTES:
1. SEE FLOOR PLANS FOR LOCATION
2. PROVIDE 24 VOLT CONTROL TRANSFORMER

DIFFUSER SCHEDULE								
ITEM	MANUFACTURER	MODEL	TYPE	OVERALL DIMENSION (INxIN)	MAX S.P. (IN WC)	MAX N.C.	CFM RANGE	NOTES
S-1	NAILOR	ANFD-VAV	VAV FLOOR SWIRL DIFFUSER	9 5/16" OVERALL DIA. 8 1/4" FLOOR OPENING DIA.	0.036	<20	30-120	SUPPLY
S-2	TITUS	250 L2C	GRILL	6 x 4	0.01	20	40	SUPPLY
R-1	TITUS	350R	GRILL	12 x 6	0.073	17	0-290	RETURN
R-2	TITUS	350R	GRILL	18 x 6	0.073	19	300-450	RETURN



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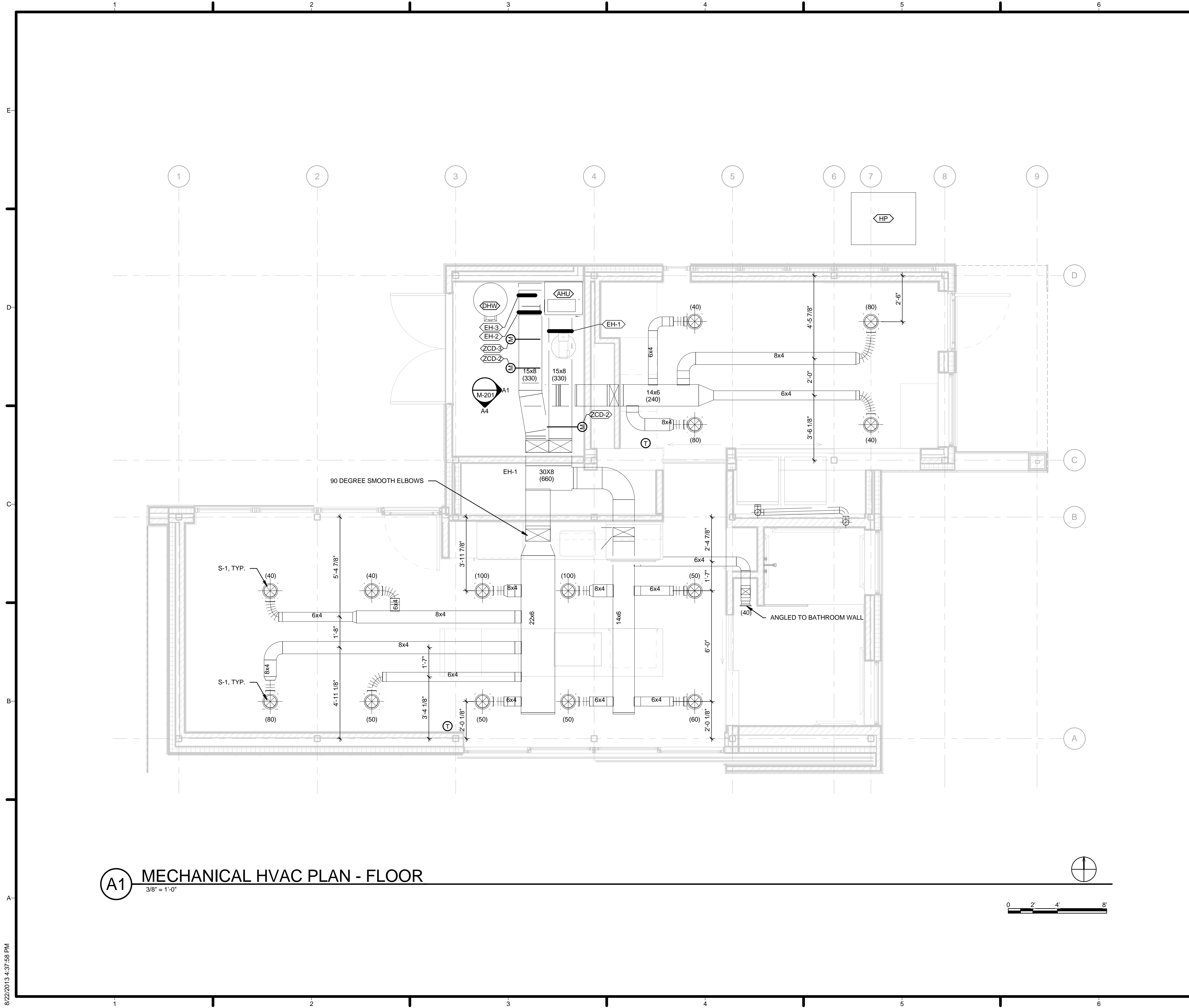
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2	2012.11.20	80% DD Revisions
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SHEET TITLE

MECHANICAL NOTES,
SYMBOLS AND
SCHEDULES

M-001



A1 MECHANICAL HVAC PLAN - FLOOR
 3/8" = 1'-0"


GENERAL SHEET NOTES

- CFM TO DIFFUSERS SHALL BE ADJUSTED AFTER INSTALLATION.
- ALL CIRCULAR DIFFUSERS ARE TO BE CONNECTED TO FACTORY MADE DUCT BOXES, AS STATED IN SCHEDULE.

REFERENCE KEYNOTES

SHEET KEYNOTES

- | | |
|----|--------------------------------|
| 59 | 90 DEGREE SMOOTH ELBOWS |
| 60 | S-1, TYP. |
| 61 | 4" DIAMETER DRYER EXHAUST DUCT |
| 62 | ANGLED TO BATHROOM WALL |



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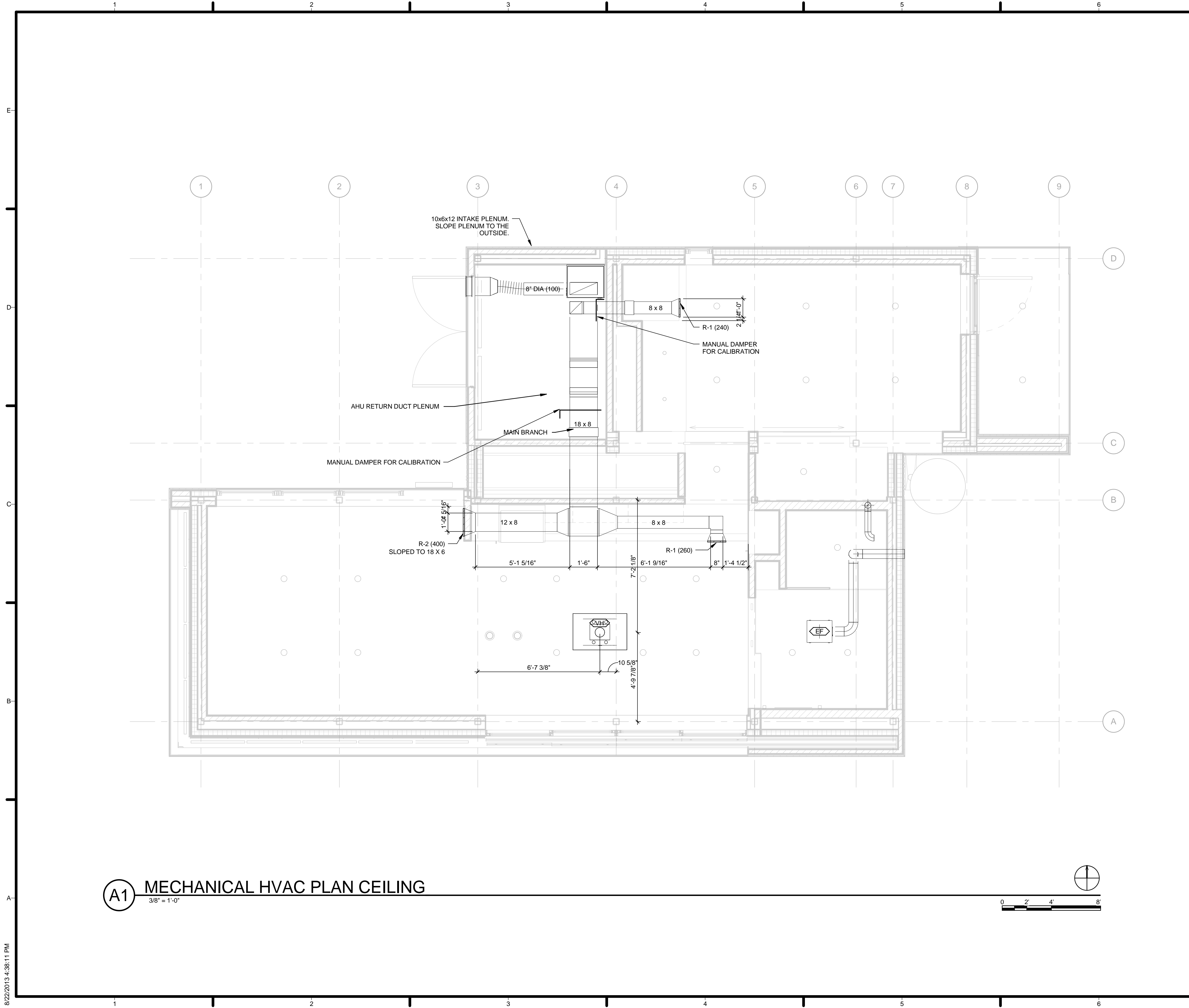


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MECHANICAL HVAC PLAN - FLOOR

M-101



GENERAL SHEET NOTES

1. NUMBERS IN PARENTHESIS INDICATE CFM.

REFERENCE KEYNOTES

INNER DIAM = 1/2"
 OUTER DIAM = 0.83"
 INSULATION = 1"

SHEET KEYNOTES

63 AHU RETURN DUCT PLENUM
 65 MAIN BRANCH
 66 SLOPED TO 18 X 6

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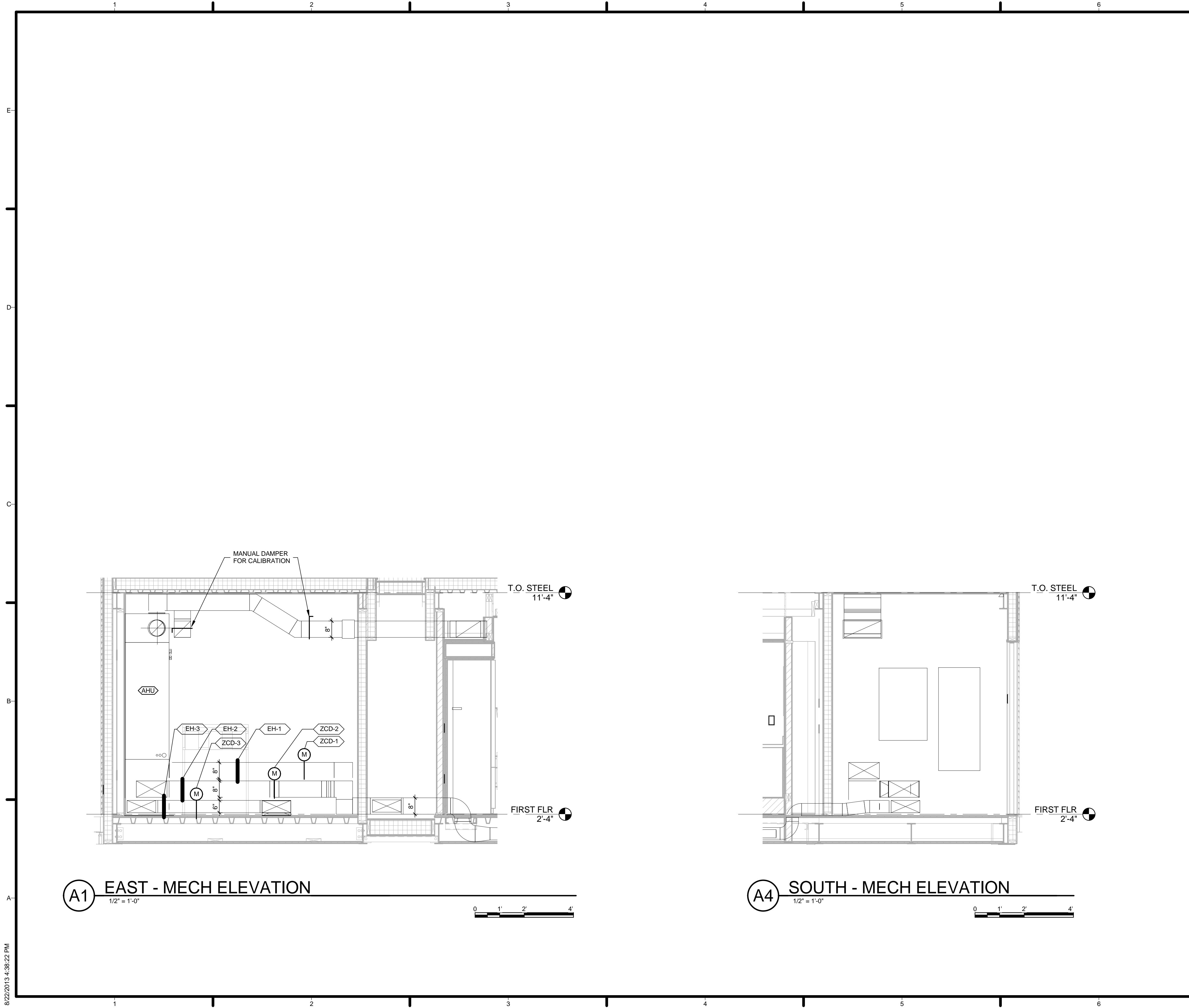
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**MECHANICAL HVAC
 PLAN - CEILING**

M-102

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GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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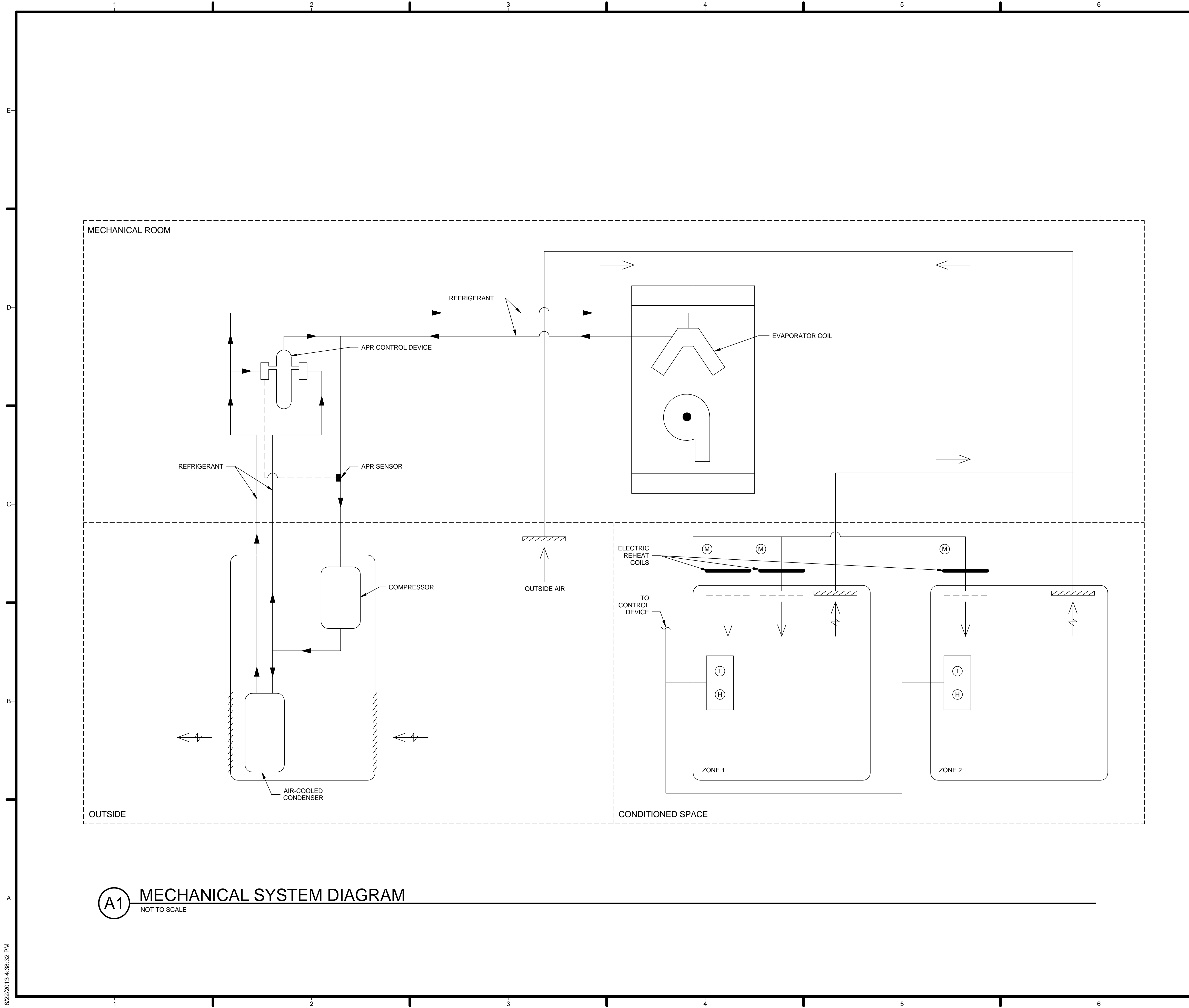
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 MECHANICAL ELEVATIONS

M-201

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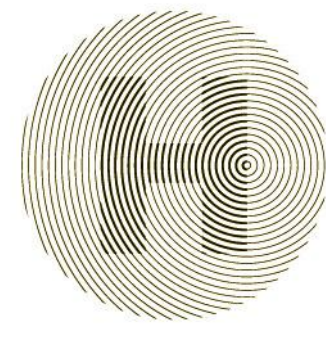
A1 MECHANICAL SYSTEM DIAGRAM
NOT TO SCALE

GENERAL SHEET NOTES

- ALL PIPING SHALL BE 3/4" BETWEEN MECHANICAL EQUIPMENT

REFERENCE KEYNOTES

SHEET KEYNOTES



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SHEET TITLE
MECHANICAL SYSTEM DIAGRAM

M-501

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ABBREVIATIONS	
SYMBOL	DESCRIPTION
A	AMP
AC	ALTERNATING CURRENT
AHU	AIR HANDLING UNIT
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CB	CIRCUIT BREAKER
CP	CONTROL PANEL
CKT	CIRCUIT
DHW	DOMESTIC HOT WATER
DWG	DRAWING
EF	EXHAUST FAN
EH	ELECTRIC HEAT COIL
ELEC	ELECTRICAL
EP	ELECTRICAL PANEL
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
JB	JUNCTION BOX
LTG	LIGHTING
MER	MECHANICAL EQUIPMENT ROOM
N	NEUTRAL
NA, N/A	NOT APPLICABLE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
P	POLES
PB	PULL BOX
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RECP	RECEPTACLE
SPEC	SPECIFICATIONS
STP	SOLAR THERMAL PUMP
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TYP	TYPICAL
U.O.N, U.O.N	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMPERES
VH	VENTHOOD
W	WATT
WBP	WATER BOOSTER PUMP
WP	WEATHERPROOF

VOICE/DATA	
SYMBOL	DESCRIPTION
	WALL MOUNTED DATA OUTLET BOX WITH 3/4" EMT STUB UP TO 6" ABOVE HUNG CEILING AND STANDARD OUTLET BOX BUSHED HOLE COVER PLATE

SINGLE LINE DIAGRAM	
SYMBOL	DESCRIPTION
	PANELBOARD, SEE PANEL SCHEDULE FOR RATING
	FEEDER
	ENCLOSED CIRCUIT BREAKER - TEXT DENOTES CB ACCESSORIES - NUMERICAL DENOTES TRIP SIZE
	ENCLOSED SAFETY DISCONNECT SWITCH - TEXT DENOTES FUSE ACCESSORIES - NUMERICAL DENOTES SWITCH SIZE
	MOTOR
	UTILITY METER
	INVERTER

POWER	
SYMBOL	DESCRIPTION
	FUSED DISCONNECT SWITCH - NUMERICAL DENOTES FUSE SIZE - '4' DENOTES NEMA ENCLOSURE IF INDICATED
	FLEXIBLE CONNECTION
	RELAY - NUMERICAL DENOTES NUMBER OF POLES
	SURFACE MOUNTED POWER PANELBOARD
	HOMERUN TO PANELBOARD "LP-3A" - NUMERICAL DENOTES CIRCUIT NUMBERS - DESIGNATION DENOTES CIRCUIT NUMBERS 3#12 + 1#12N-3/4" EMT, U.O.N.
	NEW CONDUIT OR EQUIPMENT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT CAPPED

MISCELLANEOUS	
SYMBOL	DESCRIPTION
	FEEDER SIZE, SEE FEEDER SCHEDULE
	REFERENCE NOTE
	DIGITAL REFERENCE - DETAIL DESIGNATION - SHEET NUMBER REFERENCE
	EQUIPMENT REFERENCE, COORDINATE EQUIPMENT WITH MECHANICAL/PLUMBING TRADES. SEE MECHANICAL/PLUMBING DRAWINGS FOR LOCATIONS

FIRE ALARM SYMBOLS	
SYMBOL	DESCRIPTION
	HEAT DETECTOR RF - RATE OF RISE AND FIXED TEMPERATURE RC - RATE COMPENSATION F - FIXED TEMPERATURE R - RATE OF RISE ONLY
	SMOKE DETECTOR P - PHOTOELECTRIC BR - BEAM RECEIVER BT - BEAM TRANSMITTER I - IONIZATION ASD - AIR SAMPLING

WIRING DEVICES	
SYMBOL	DESCRIPTION
	30A SPST TOGGLE SWITCH U.O.N. - LOWER CASE LETTER DENOTES LIGHTING FIXTURE SWITCHING ARRANGEMENT
	- '3' DENOTES THREE-WAY - '4' DENOTES FOUR-WAY - 'K' KEY OPERATED
	WALL DIMMER SWITCH
	WEATHERPROOF SWITCH
	CEILING MOUNTED VACANCY SENSOR - PIR DENOTES PASSIVE INFRARED - US DENOTES ULTRASONIC - DT DENOTES DUAL TECHNOLOGY - '3' DENOTES SWITCHING ARRANGEMENT
	WALL MOUNTED VACANCY SENSOR - PIR DENOTES PASSIVE INFRARED - DT DENOTES DUAL TECHNOLOGY - '3' DENOTES SWITCHING ARRANGEMENT
	WALL MOUNTED CABLE OUTLET
	DUPLEX RECEPTACLE WALL MOUNTED 20A, 125V, 2P, 3W GROUNDING GFI DENOTES GROUND FAULT TYPE
	DUPLEX RECEPTACLE WALL MOUNTED 20A, 125V, 2P, 3W GROUNDING WP DENOTES WEATHERPROOF WHILE IN USE
	DUPLEX RECEPTACLE CEILING MOUNTED 20A, 125V, 2P, 3W GROUNDING
	DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED 20A, 125V, 2P, 3W GROUNDING
	RECESSED CEILING MOUNTED JUNCTION BOX
	FLUSH FLOOR MOUNTED JUNCTION BOX
	RECESSED WALL MOUNTED JUNCTION BOX
	SPECIAL RECEPTACLE WALL MOUNTED NEMA CONFIGURATION AS INDICATED ON PLANS

LIGHTING	
SYMBOL	DESCRIPTION
	CEILING MOUNTED LIGHTING FIXTURE AND OUTLET BOX - 'F' DENOTES FIXTURE TYPE - '2' DENOTES BRANCH CIRCUIT NUMBER - 'S' DENOTES SWITCHED CIRCUIT - SHADED AREA FIXTURE ON EMERGENCY CIRCUIT - 'WP' DENOTES WATERPROOF FIXTURE
	WALL MOUNTED LIGHTING FIXTURE AND OUTLET BOX - 'F' DENOTES FIXTURE TYPE - '2' DENOTES BRANCH CIRCUIT NUMBER - 'S' DENOTES SWITCHED CIRCUIT - SHADED AREA FIXTURE ON EMERGENCY CIRCUIT - 'WP' DENOTES WATERPROOF FIXTURE

NOTE: SEE LIGHT FIXTURE SCHEDULE AND SPECIFICATIONS FOR COMPLETE FIXTURE DESCRIPTION.

LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	WATT	VOLT	LAMP	MOUNT	MANUFACTURER	CATALOG NUMBER
A	OMITTED	-	-	-	-	-	-
B	OMITTED	-	-	-	-	-	-
C	RECESSED LED CAN - 4"	10.5	120	LED	RECESSED	JUNO LIGHTING GROUP	IC1LEDG3-27K
D	RECESSED WET LOCATION LED CAN - 4"	10.5	120	LED	RECESSED	JUNO LIGHTING GROUP	IC1LEDG3-27K
F	OMITTED	-	-	-	-	-	-
G	LED UNDERCABINET LIGHT - 22"	10	120	LED	UNDER CABINET/ UNDER SHELF	JUNO LIGHTING GROUP	UPLD22-WH
H	LED UNDERCABINET LIGHT - 9"	3.8	120	LED	UNDER CABINET/ UNDER SHELF	JUNO LIGHTING GROUP	UPLD09-WH
J	CFL WALL SCONCE	24	120	COMPACT FLOURESCENT	WALL	KOHLER	PURIST K-14483-CP
K	EXTERIOR ENTRY SCONCE	25	120	FLOURESCENT	WALL	YLIGHTING	FU018071
L	EXTERIOR LINEAR LED - 35"	18.2	120	LED	WALL	LED LINEAR	XOOLUX SOL W830/900/O/ ENDCAPS + POWER SUPPLY
M	LINEAR FLOURESCENT - 48"	25	120	FLOURESCENT	WALL	JUNO LIGHTING GROUP - DANALITE	F8-48-25-W-RE/ F8-48-25-W-LE
N	RECESSED LED CAN - 2 1/4"	4.8	120	LED	RECESSED	JUNO LIGHTING GROUP	MD1L27K-SP-WH
P	LED PENDANT	5.8	120/12	LED	CEILING	TECH LIGHTING	700-MP-FIRF-CHARTREUSE-CHROME-LED

ELECTRICAL PANEL SCHEDULE									
PANEL: SD					VOLTAGE: 120/240				
FED FROM:					1 PHASE 3 WIRE + GND				
LOCATION: MECHANICAL CLOSET									
BUSAMPS = 150A					MIN AIC = 22K AMPS				
X	MCB				X				
									100% RATED NEUTRAL BUS
X					X				EQUIPMENT GROUND BUS
#	POLE	TRIP	LOAD DESCRIPTION	LOAD DESCRIPTION	TRIP	POLE	#		
1	1	20	BEDROOM RECEPTACLES	LIGHTING	20	1	2		
3	1	20	LAUNDRY RECEPTACLES	SMOKE AND HEAT DETECTORS	20	1	4		
5	1	20	RECEPTACLES	WATER BOOSTER PUMP (WBP)	20	2	6		
7	1	20	KITCHEN RECEPTACLES		-	-	8		
9	1	20	KITCHEN RECEPTACLES	SOLAR THERMAL PUMP (STP)	20	1	10		
11	1	20	GFCI BATH		25	2	12		
13	1	20	OUTDOOR RECEPTACLES	DOMESTIC HOT WATER TANK (DHW)	-	-	14		
15	1	40	OVEN		30	2	16		
17	2	50		HEAT PUMP (HP)	-	-	18		
19	-	-	COOKTOP		20	2	20		
21	1	20	DISHWASHER	AIR HANDLING UNIT (AHU)	-	-	22		
23	1	20	REFRIGERATOR		20	2	24		
25	1	20	VENT HOOD (VH)	ELECTRIC HEATING COILS (EH-1, EH-2, EH-3)	-	-	26		
27	1	20	FUTURE DISPOSAL	HOME AUTOMATION SYSTEM	20	1	28		
29	2	30		SPARE	15	2	30		
31	-	-	DRYER		-	-	32		
33	1	20	WASHER	SPARE	20	1	34		
35	1	20	SPARE	PV	15	2	36		
37	1	20	GFCI BRAKER		-	-	38		
39	2	20		PV	20	2	40		
41	-	-			-	-	42		

SERVICE EQUIPMENT SHALL BE LISTED AS "SUITABLE FOR USE AS SERVICE EQUIPMENT", IN ACCORDANCE WITH NEC 230.66.

SINGLE-UNIT RESIDENTIAL LOAD CALCULATION SHEET										
ONE BEDROOM UNIT A										
LOAD	SF	VA/SF	PER UNIT	# OF UNITS	TOTAL	DEMAND FACTORS				
						<3KVA	3<X-120	>120	DEMAND	
LIGHTING	865	3	2.60	1	2.6	7.10	100%	35%	25%	4.43
SMALL APPLIANCE			4.50	1	4.50		3.00	1.43	0.00	
OVEN/RANGE			11.00	1	11.00	11.00		100%		11.00
DISHWASHER			0.79	1	0.79	0.79		75%		0.60
FUTURE DISPOSAL			1.18	1	1.18	1.18		75%		0.89
VENT HOOD (VH)			0.52	1	0.52	0.52		75%		0.39
WATER HEATER (DHW)			4.50	1	4.50	4.50		75%		3.38
FUTURE MICROWAVE			1.50	1	1.50	1.50		75%		1.13
DRYER			5.00	1	5.00	5.00		75%		3.75
WASHER			1.10	1	1.10	1.10		75%		0.83
BATHROOM EXHAUST FAN (EF)			0.05	1	0.05	0.05		75%		0.04
WATER BOOSTER PUMP (WBP)			1.13	1	1.13	1.13		75%		0.85
SOLAR THERMAL PUMP (STP)			0.51	1	0.51	0.51		75%		0.38
HEAT PUMP (HP)			5.43	1	5.43	5.43		100%		5.43
AIR HANDLING UNIT (AHU)			1.13	1	1.13	1.13		100%		1.13
ELECTRIC HEATING COIL (EH-1)			0.50	1	0.50	0.50		100%		0.50
ELECTRIC HEATING COIL (EH-2)			0.50	1	0.50	0.50		100%		0.50
ELECTRIC HEATING COIL (EH-3)			0.50	1	0.50	0.50		100%		0.50
					35.71				KVA	
					120/240, 1-PH				148.79	AMPS
					SERVICE SIZE				150	AMPS

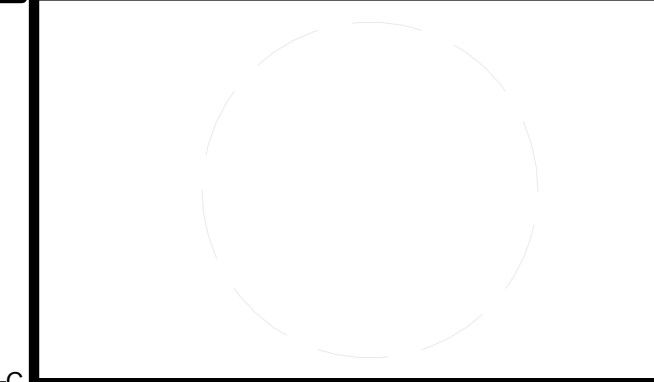


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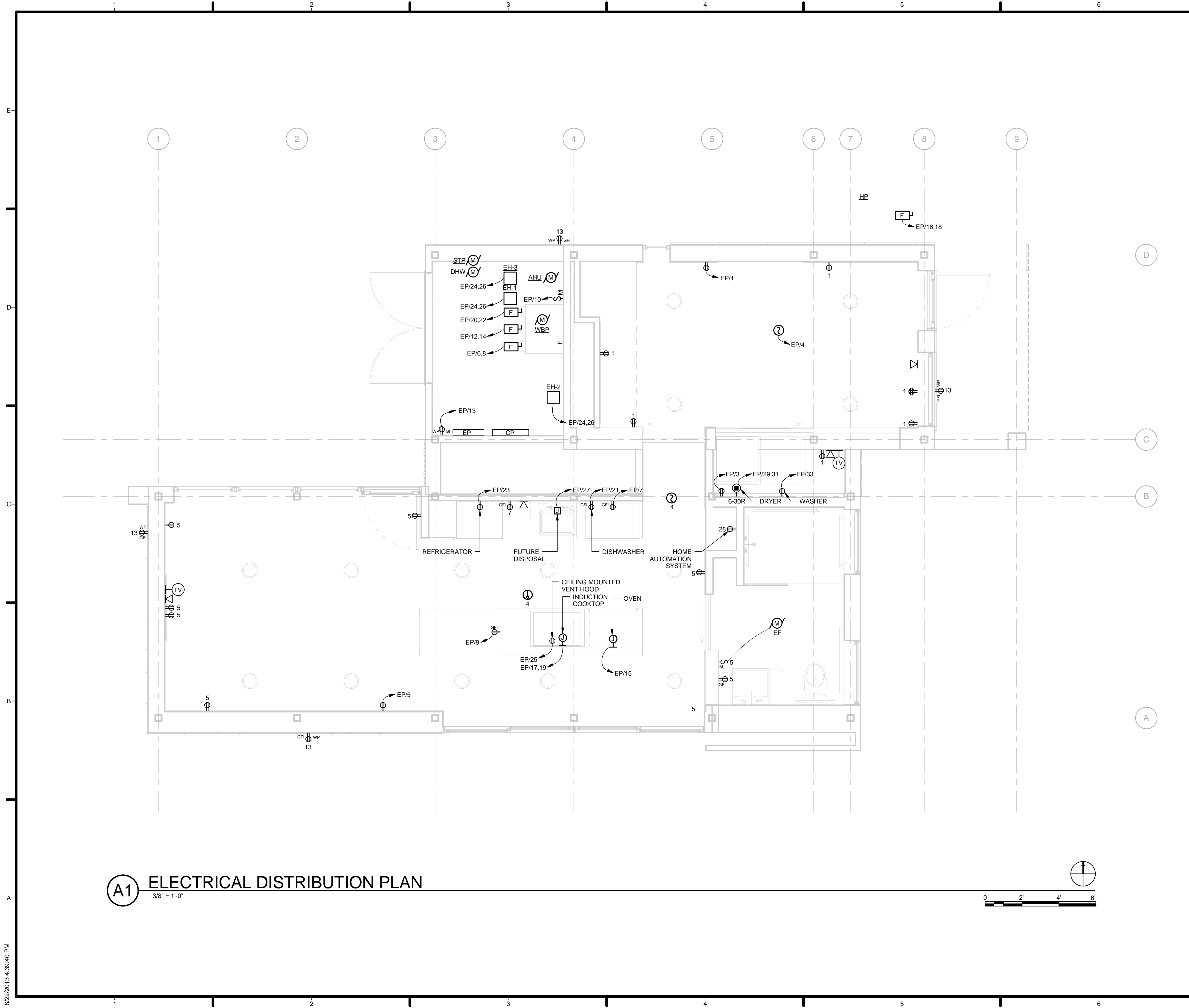


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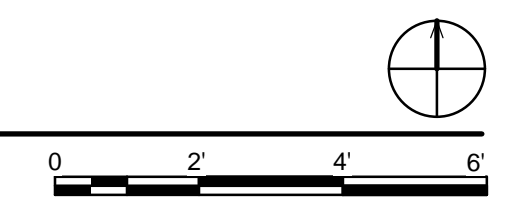
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 ELECTRICAL NOTES,
 SYMBOLS AND
 SCHEDULES

E-001



A1 ELECTRICAL DISTRIBUTION PLAN
3/8" = 1'-0"



GENERAL SHEET NOTES

- SMOKE DETECTORS HARDWIRED FOR BATTERY BACK-UP
- AFCI PROTECTION SHALL BE PROVIDED FOR ALL 120V, 15A AND 20A CIRCUITS SUPPLYING THE FOLLOWING AREAS: FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS (NEC 210.12(A)).
- ALL NON-LOCKING TYPE 125V, 15A OR 20A RECEPTACLES SHALL BE LISTED "TAMPER RESISTANT" (NEC 406.12), SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS (NEC 210.12(A)).
- ALL 15A, AND 20A, 125V OR 250V RECEPTACLES IN WET LOCATIONS SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHILE IN USE.

REFERENCE KEYNOTES

SHEET KEYNOTES

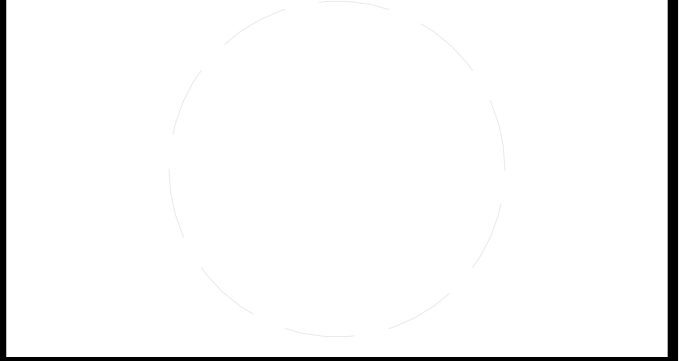


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4	2013.08.22	As-Built Submission
3	2013.02.04	100% CD Submission
2	2012.11.20	80% DD Revisions
1	2012.10.11	80% DD Submission

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SHEET TITLE
ELECTRICAL DISTRIBUTION PLAN

E-101

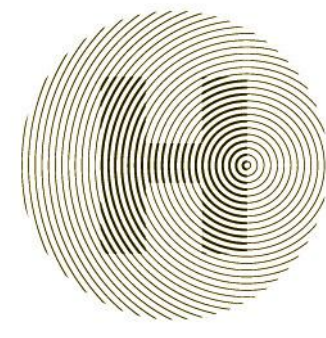


GENERAL SHEET NOTES

- SEE SHEET A-121 FOR LIGHTING PLACEMENT DIMENSIONS.

REFERENCE KEYNOTES

SHEET KEYNOTES



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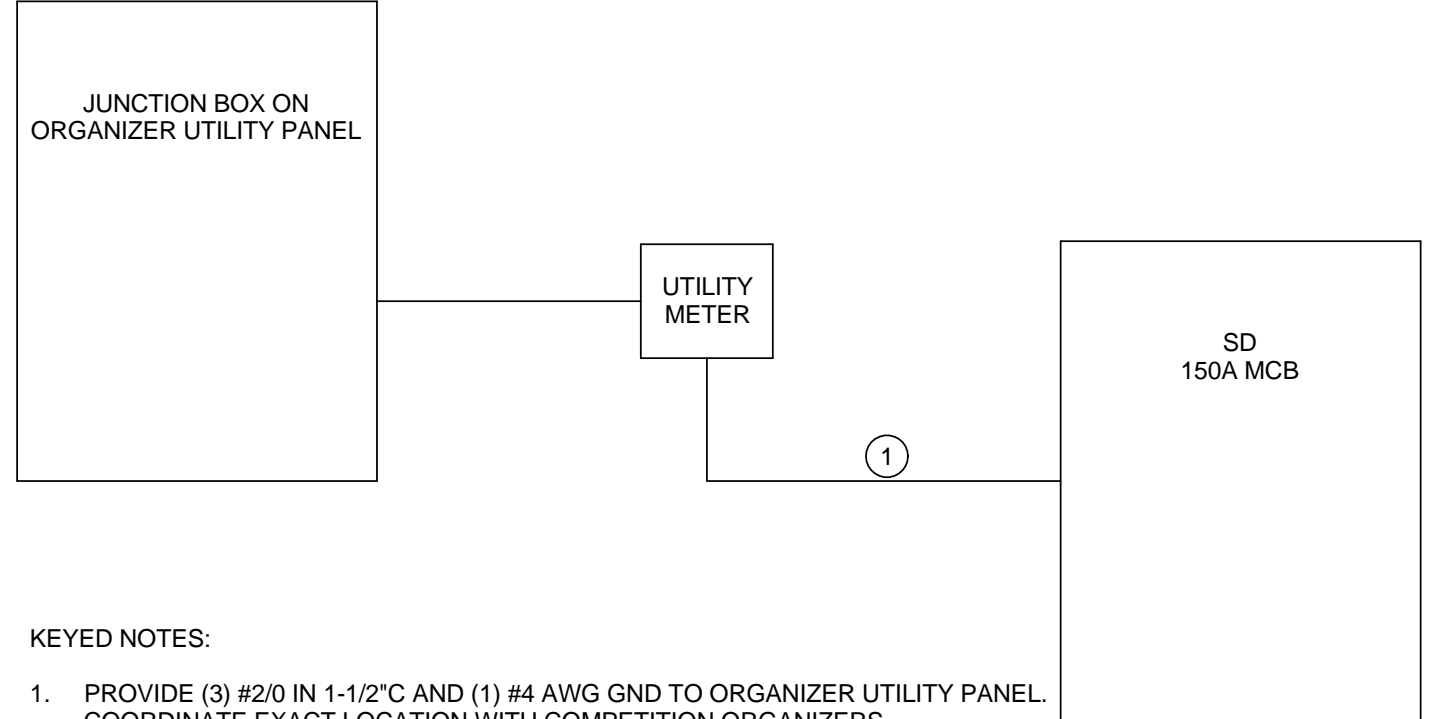
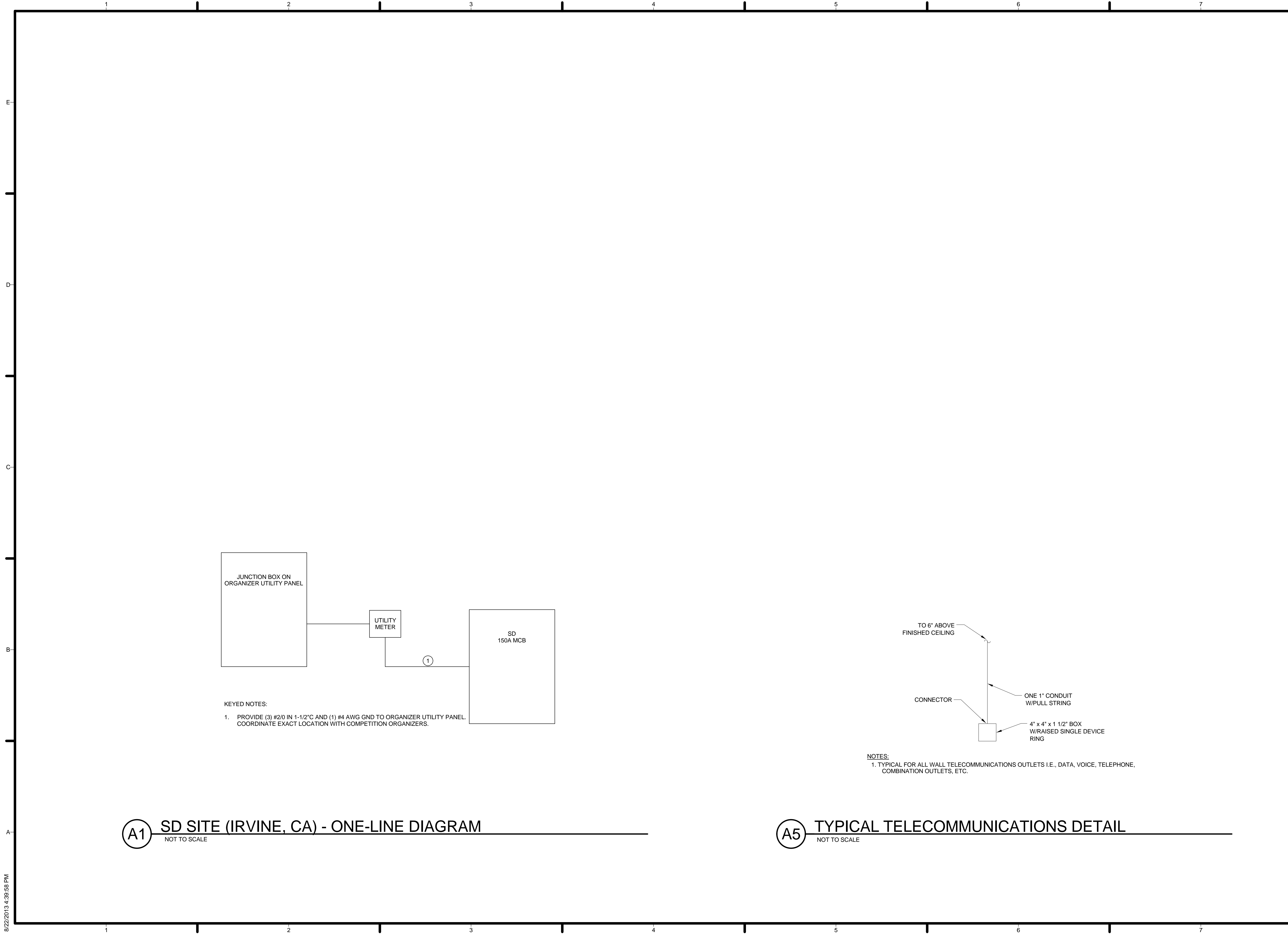
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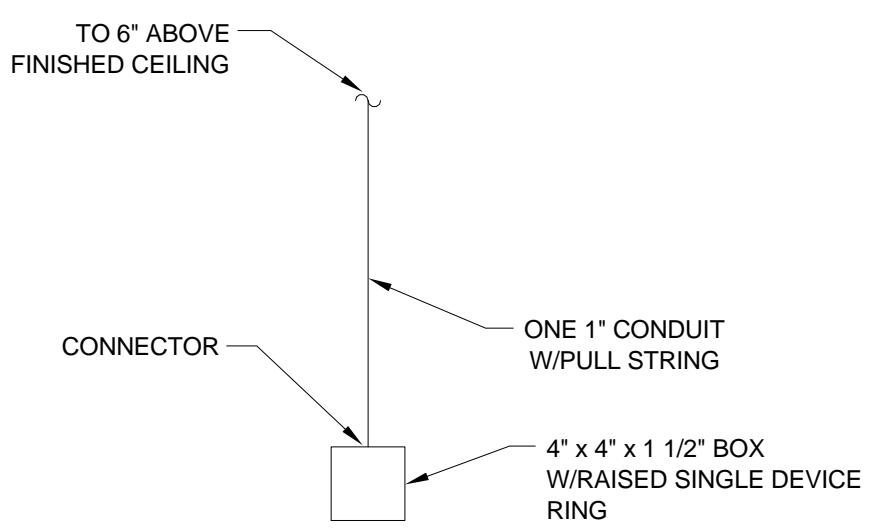
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SHEET TITLE
ELECTRICAL LIGHTING PLAN

E-102



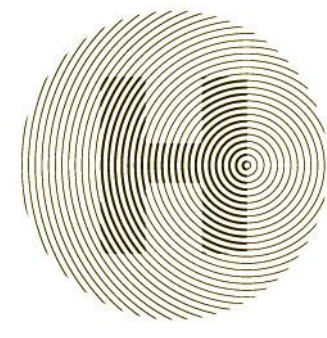
KEYED NOTES:
 1. PROVIDE (3) #2/0 IN 1-1/2" C AND (1) #4 AWG GND TO ORGANIZER UTILITY PANEL. COORDINATE EXACT LOCATION WITH COMPETITION ORGANIZERS.



NOTES:
 1. TYPICAL FOR ALL WALL TELECOMMUNICATIONS OUTLETS I.E., DATA, VOICE, TELEPHONE, COMBINATION OUTLETS, ETC.

A1 SD SITE (IRVINE, CA) - ONE-LINE DIAGRAM
 NOT TO SCALE

A5 TYPICAL TELECOMMUNICATIONS DETAIL
 NOT TO SCALE




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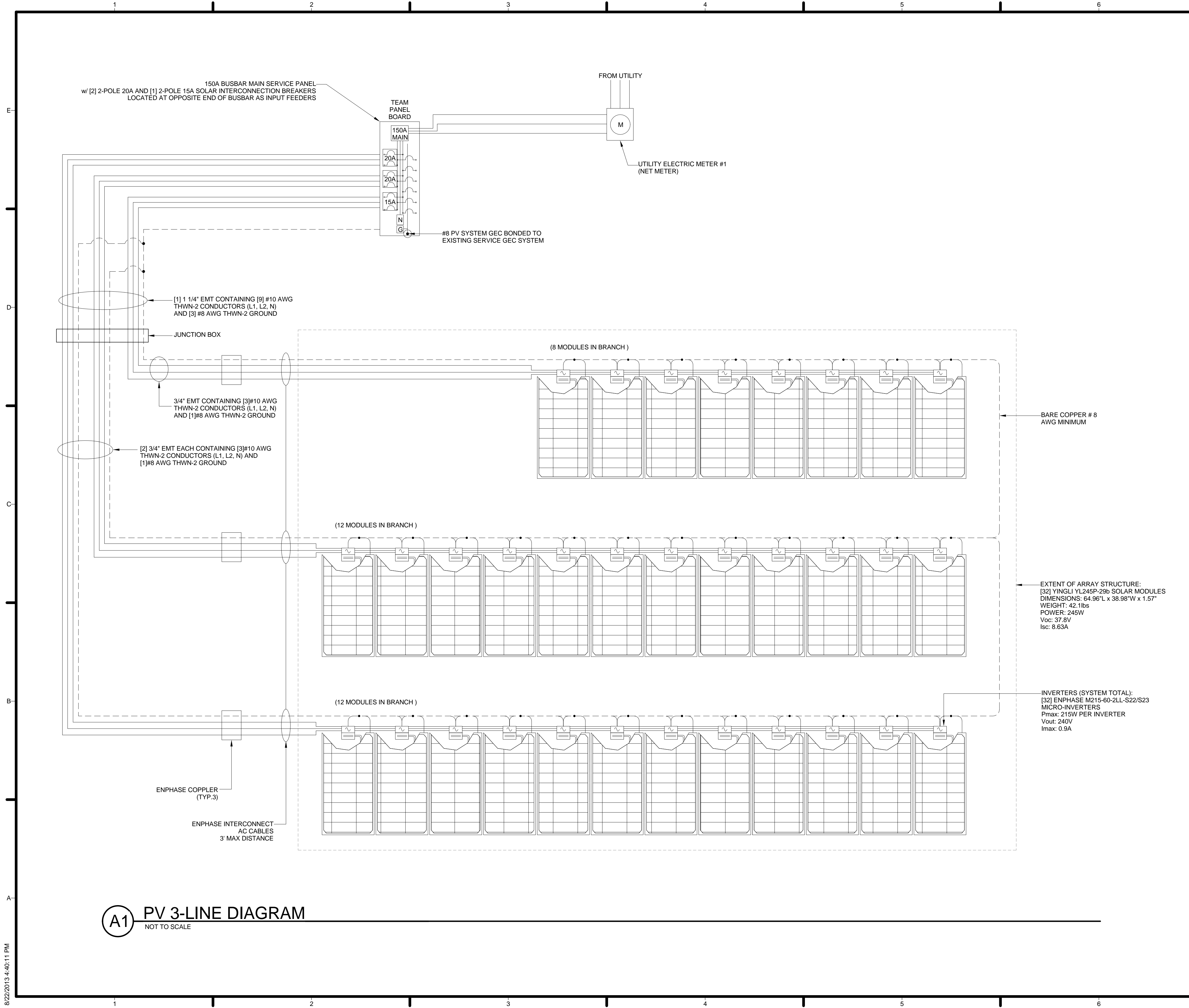
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SHEET TITLE
DETAILS AND ONE-LINE DIAGRAM

E-601

8/22/2013 4:39:58 PM



A1 PV 3-LINE DIAGRAM
NOT TO SCALE

GENERAL SHEET NOTES

- COORDINATE EXACT EQUIPMENT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION

REFERENCE KEYNOTES

SHEET KEYNOTES

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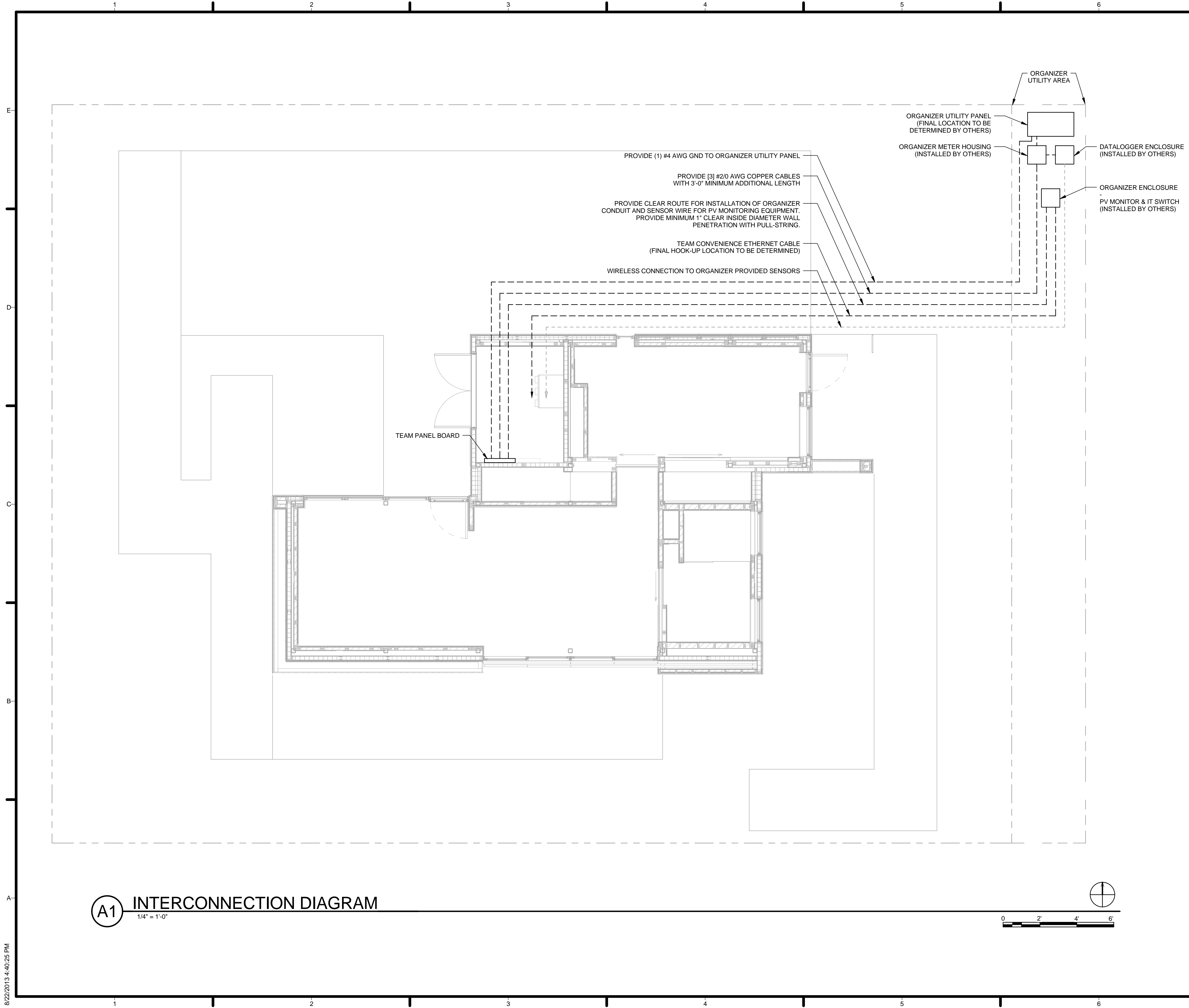
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SHEET TITLE

**PV 3-LINE WIRING
DIAGRAM**

E-602



GENERAL SHEET NOTES

1. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE A MINIMUM 1" CLEAR INSIDE DIAMETER
2. PULL-STRINGS SHALL BE PROVIDED TO ENABLE WIRE INSTALLATION WHERE NECESSARY

REFERENCE KEYNOTES

SHEET KEYNOTES



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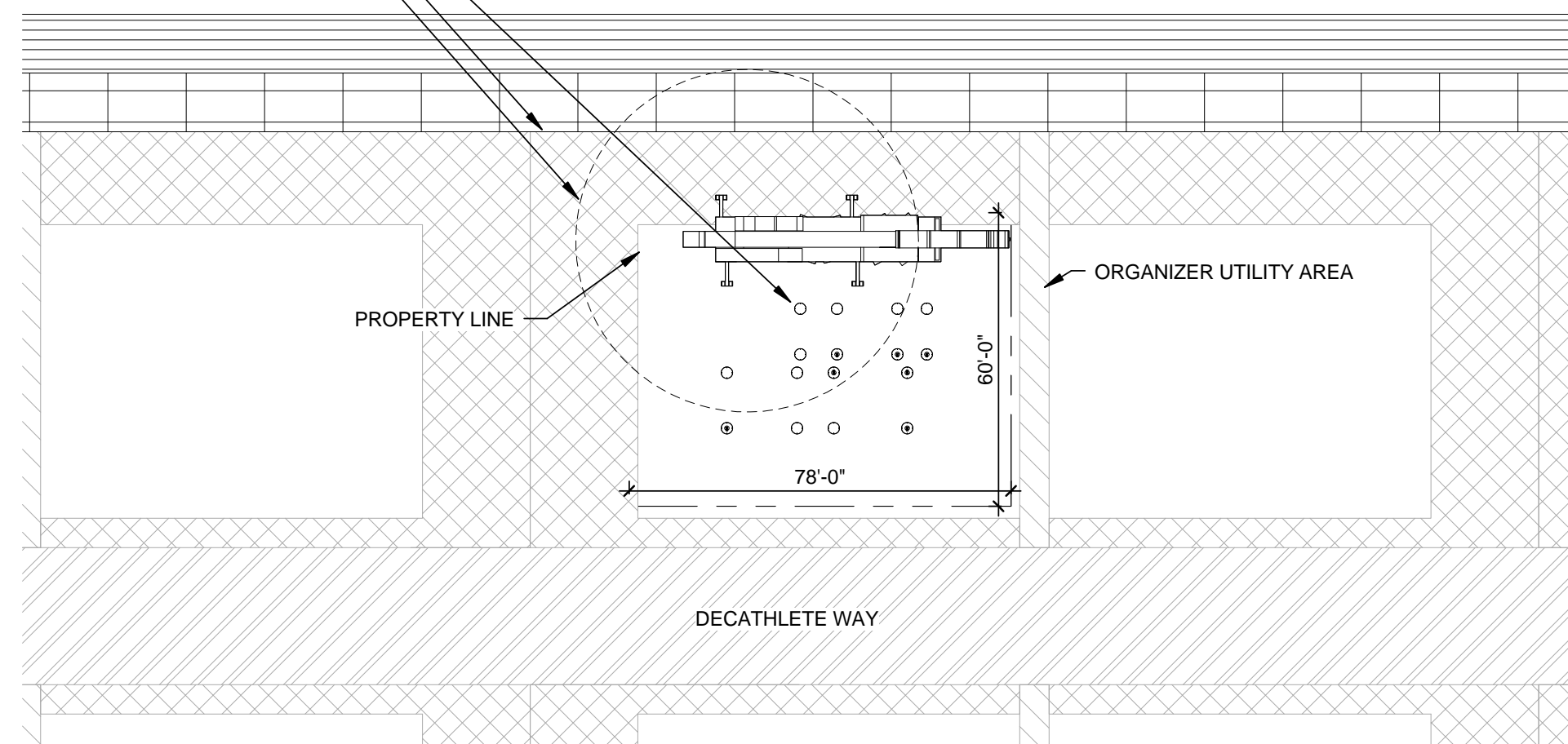
SHEET TITLE
**INTERCONNECTION
 DIAGRAM**

E-603

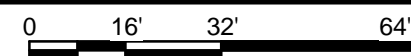
A1 INTERCONNECTION DIAGRAM
 1/4" = 1'-0"

8/22/2013 4:40:25 PM

16 BUILDING FOOTINGS
CONSTRUCTION BOUNDARY
CRANE WITH 66' RADIUS

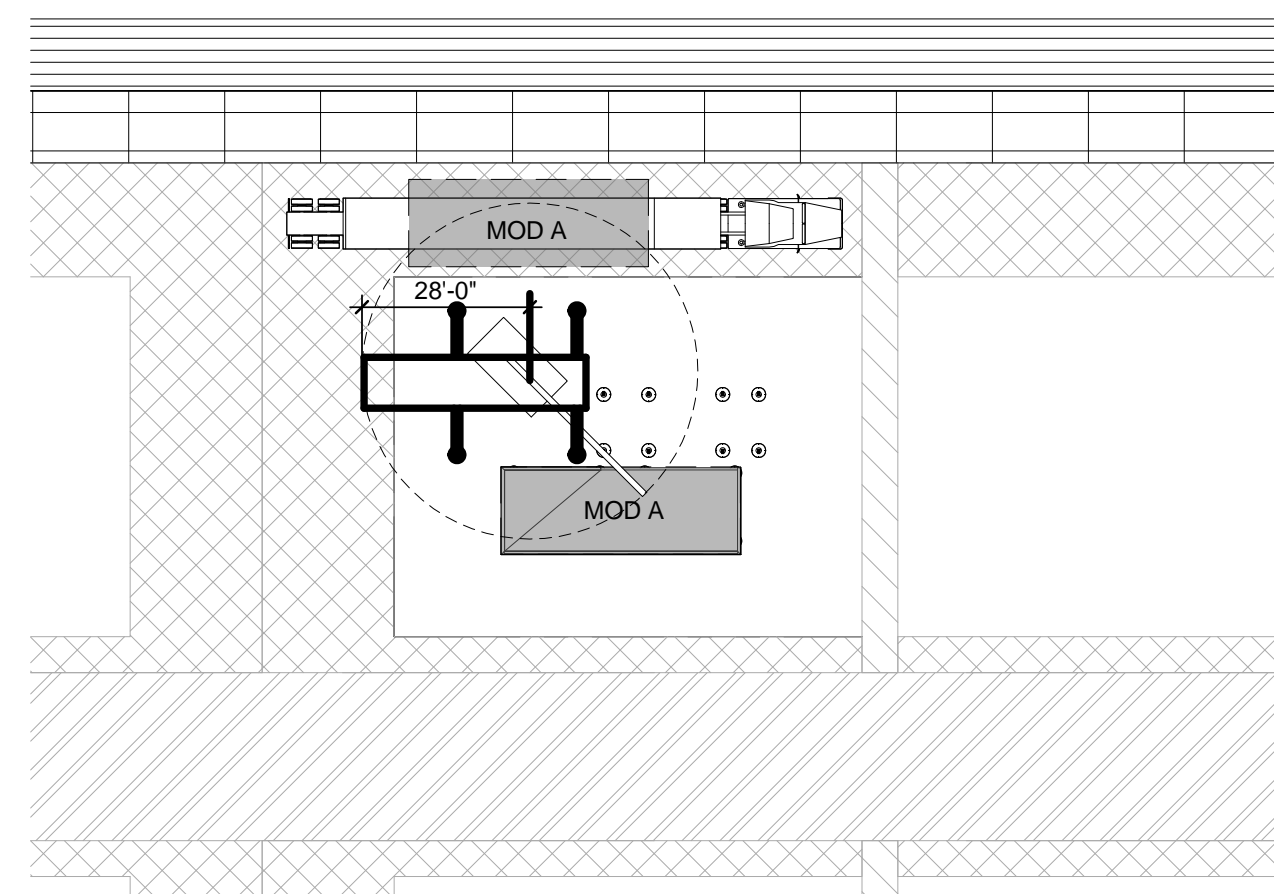


D1 Operations Diagram - Arrival Stage 1
1/32" = 1'-0"

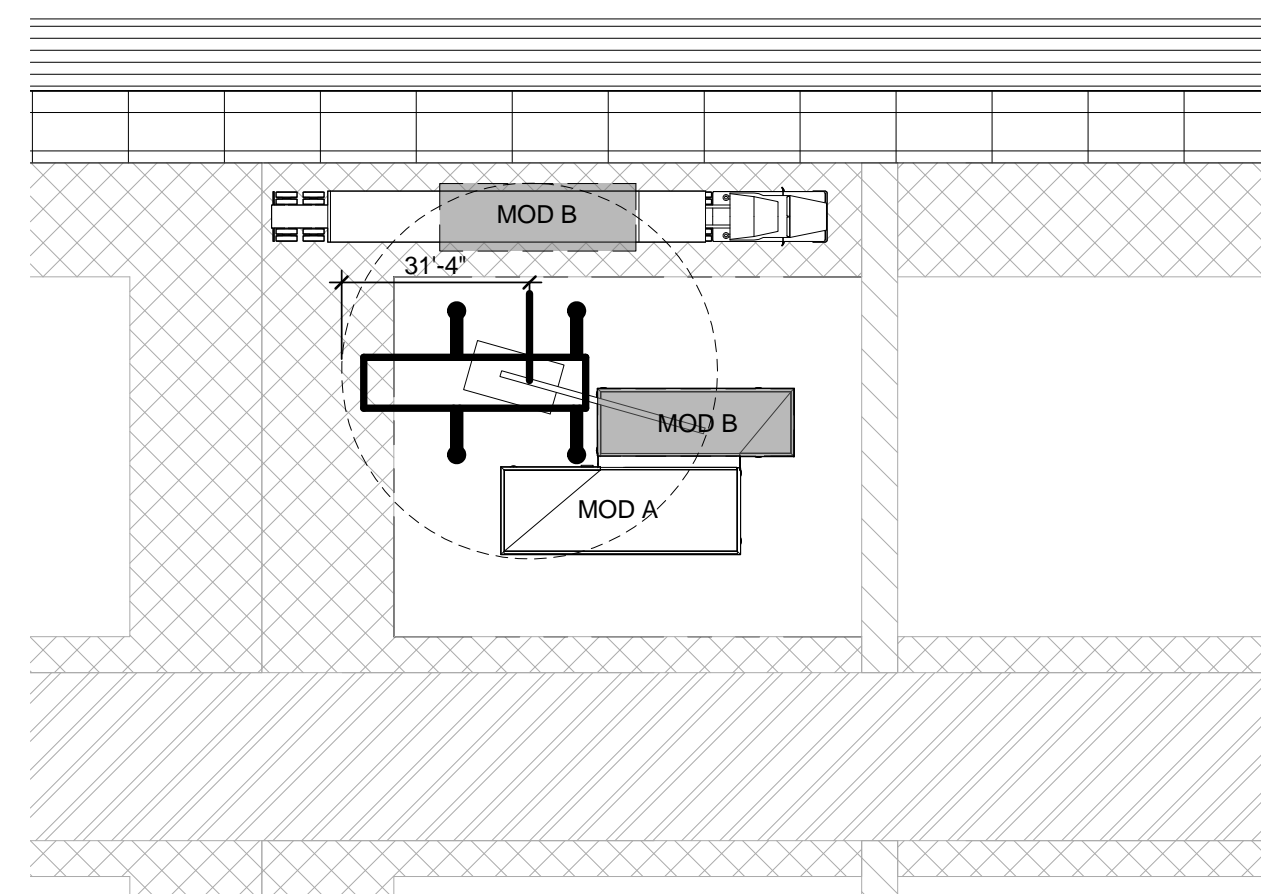
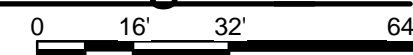


Arrival Plan

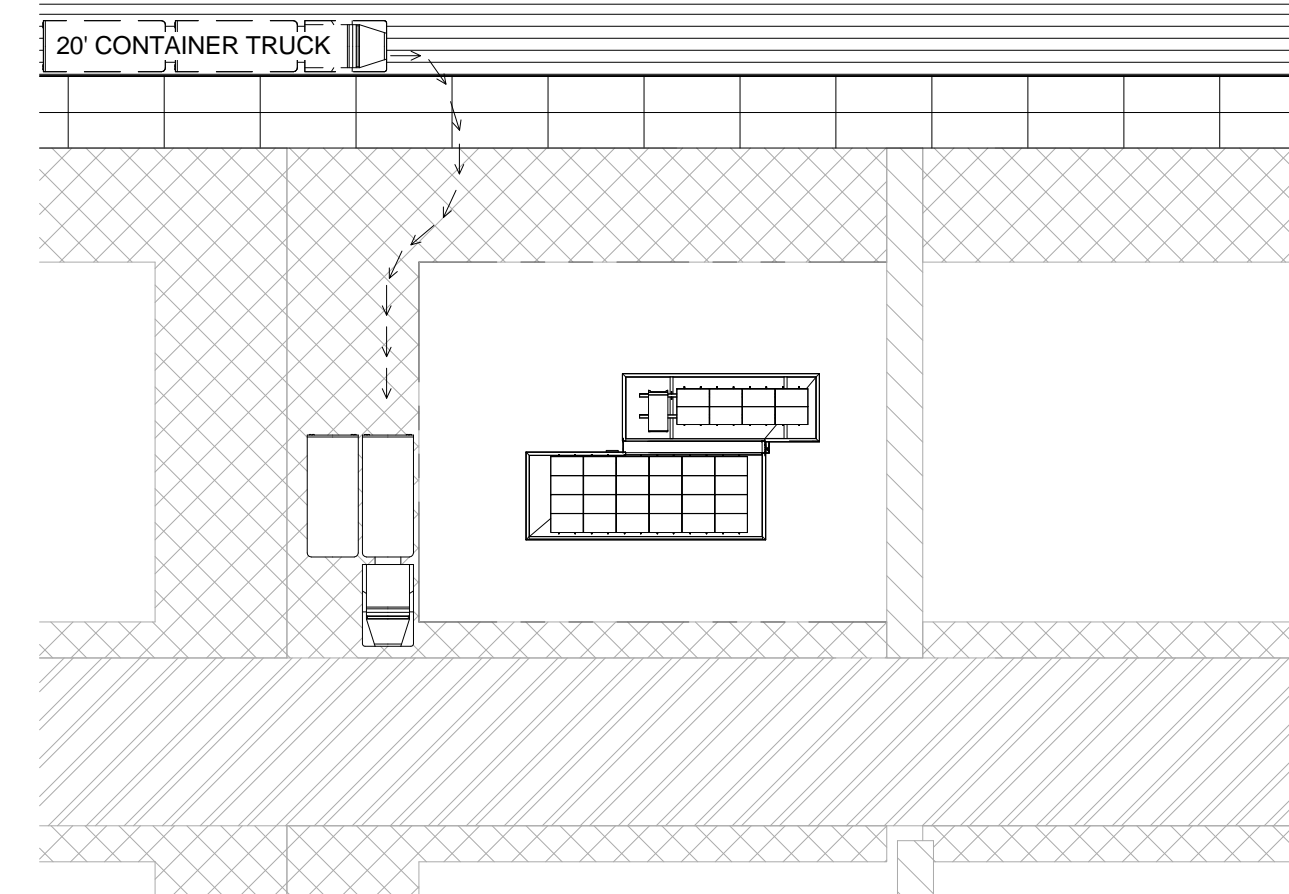
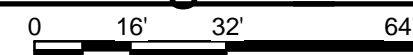
- 1) Crane arrives on site. Locate and position footings
- 2) Truck 1 arrives with Module A. Module A gets craned into place
- 3) Truck 2 arrives with Module B. Module B gets craned into place
- 4) Truck 3 and 4 arrive and unload
- 5) Solar Panels and Thermal Tubing get craned on top of modules.
- 6) Decking starts to be put into place
- 7) Landscape is put into place



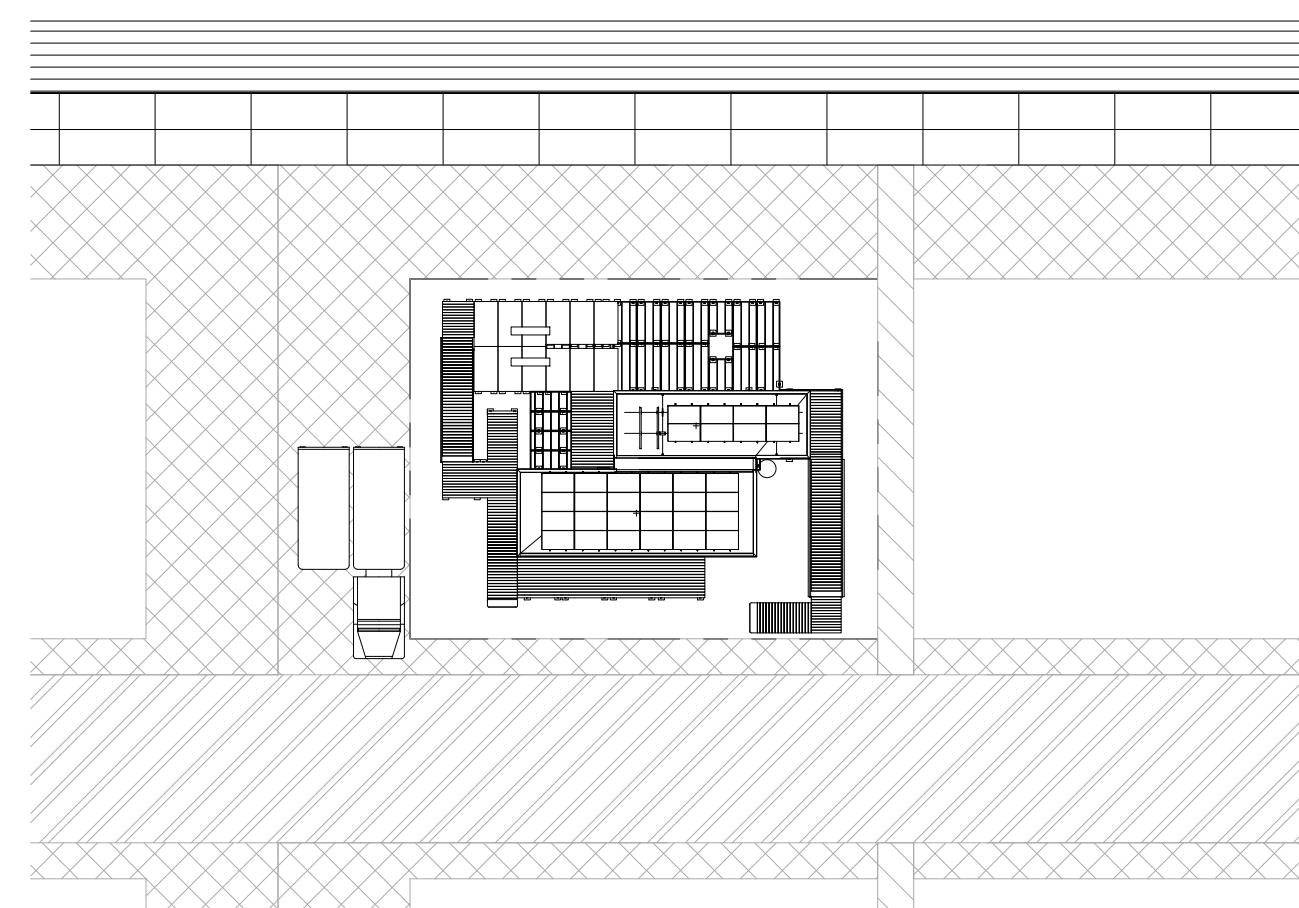
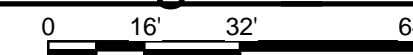
B1 Operations Diagram - Arrival Stage 2
1/32" = 1'-0"



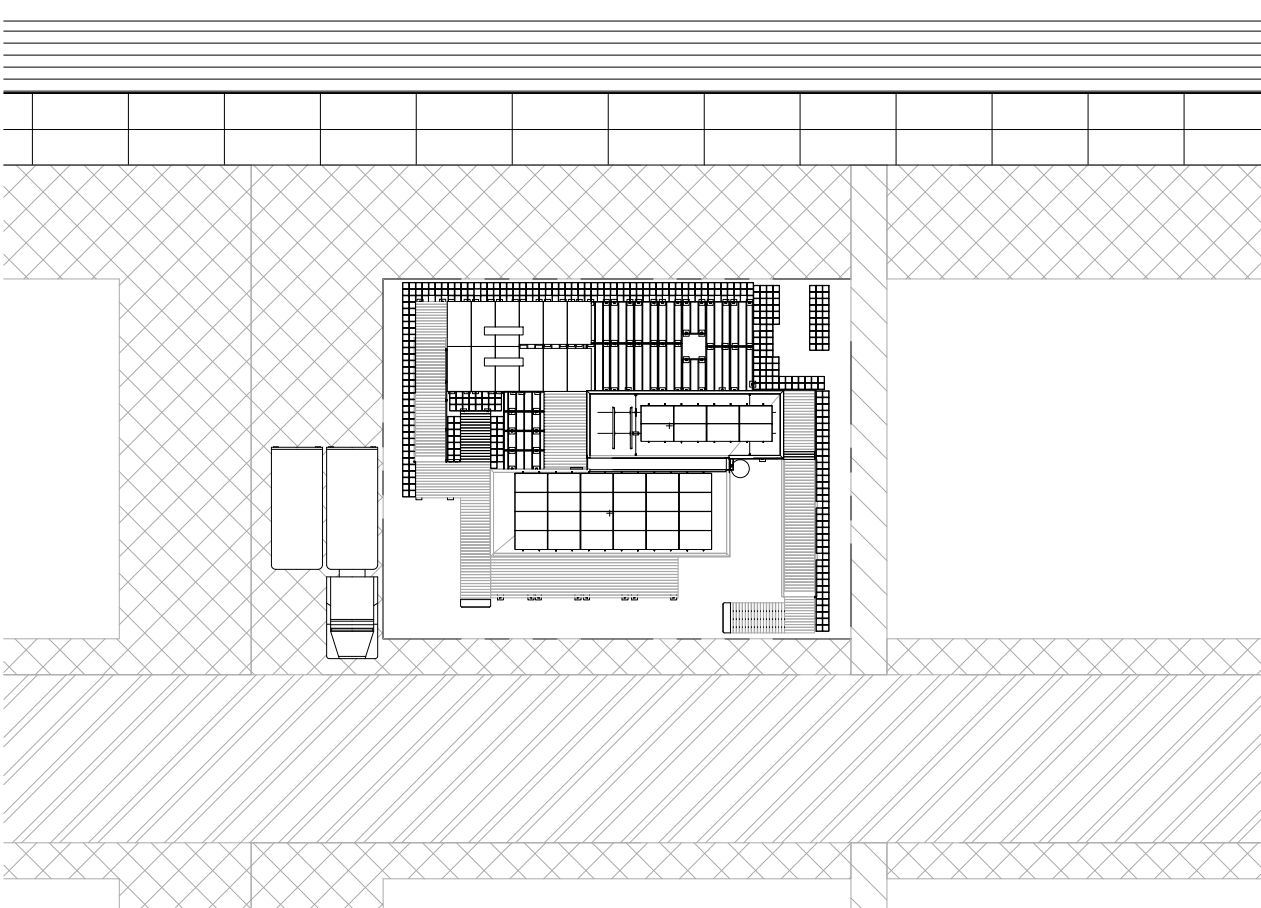
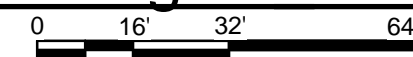
B3 Operations Diagram - Arrival Stage 3
1/32" = 1'-0"



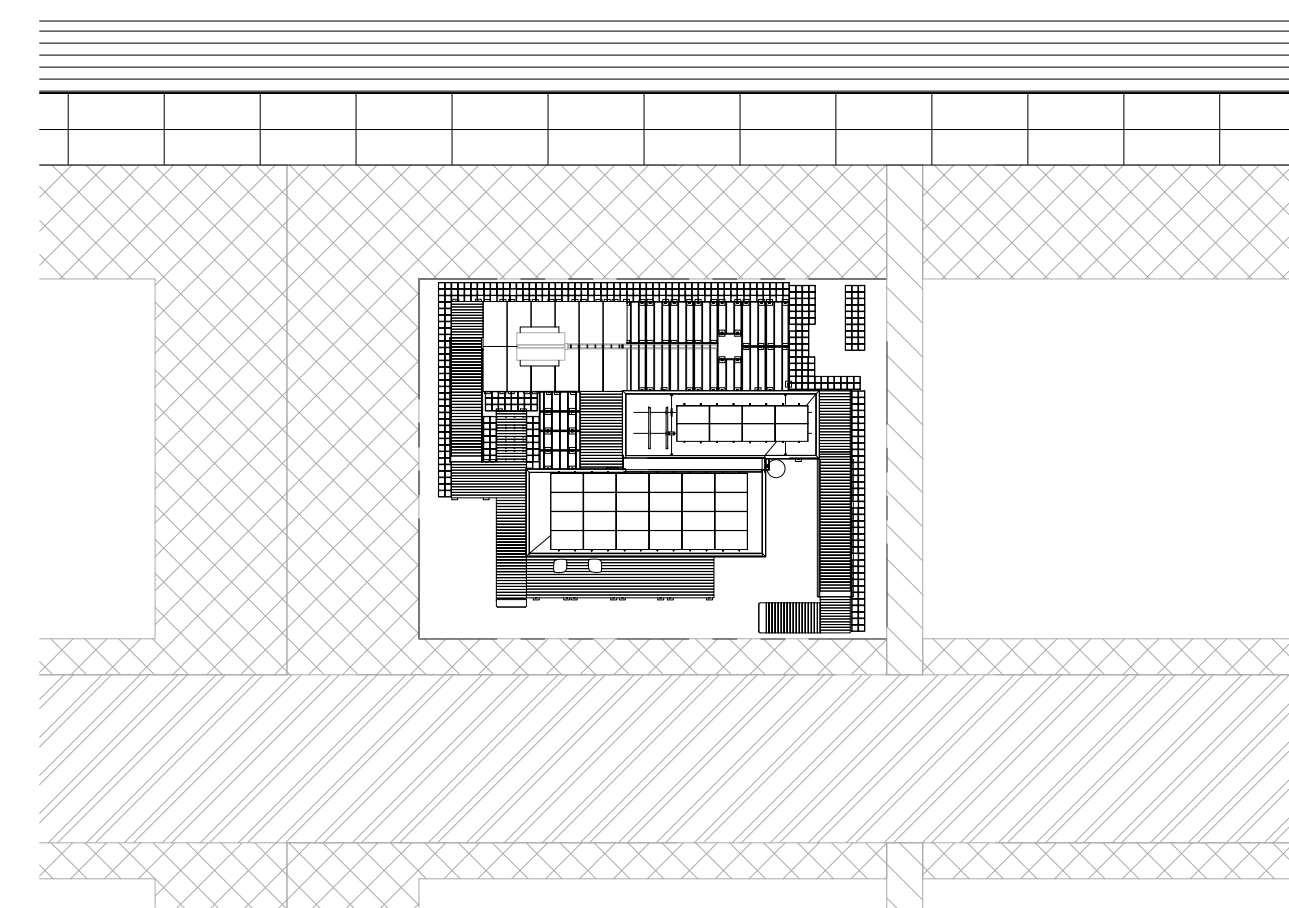
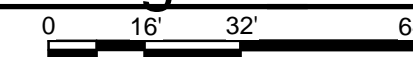
B5 Operations Diagram - Arrival Stage 4
1/32" = 1'-0"



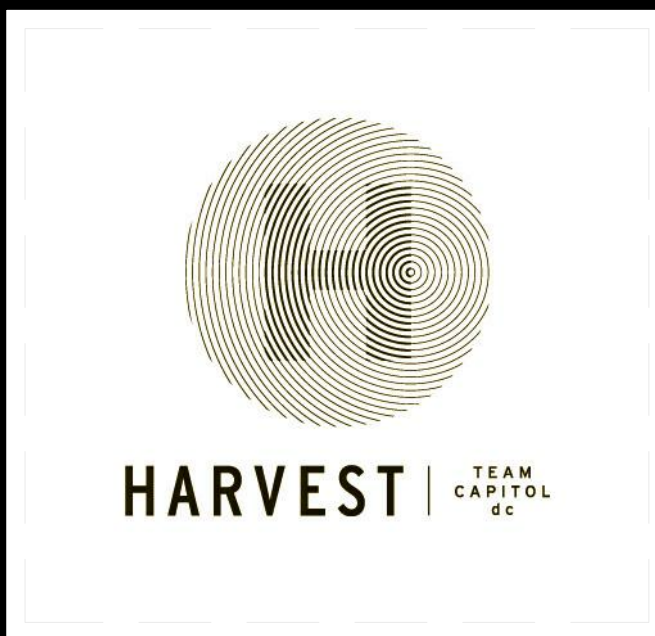
A1 Operations Diagram - Arrival Stage 5
1/32" = 1'-0"



A3 Operations Diagram - Arrival Stage 6
1/32" = 1'-0"



A5 Operations Diagram - Arrival Stage 7
1/32" = 1'-0"

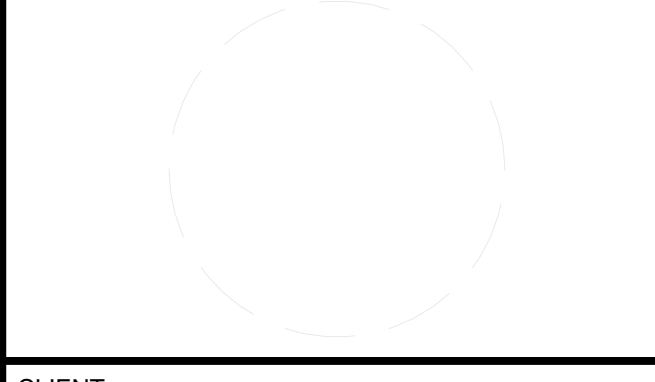


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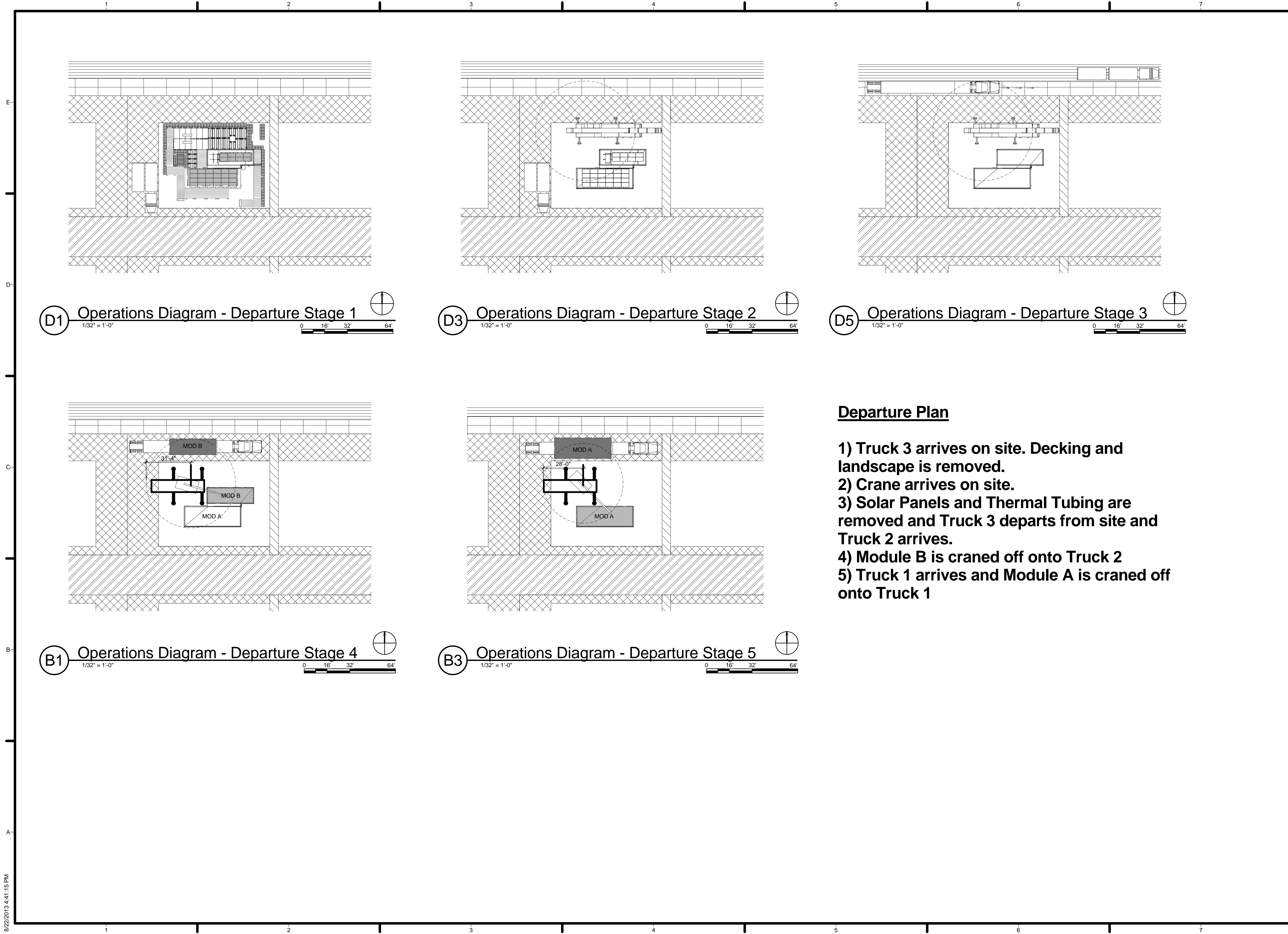


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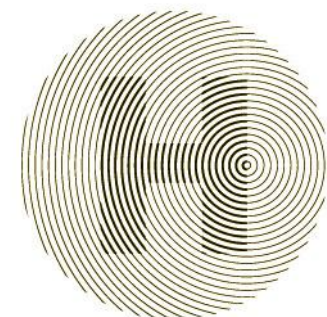
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ARRIVAL SEQUENCE PLANS

O-101



Departure Plan

- 1) Truck 3 arrives on site. Decking and landscape is removed.
- 2) Crane arrives on site.
- 3) Solar Panels and Thermal Tubing are removed and Truck 3 departs from site and Truck 2 arrives.
- 4) Module B is craned off onto Truck 2
- 5) Truck 1 arrives and Module A is craned off onto Truck 1



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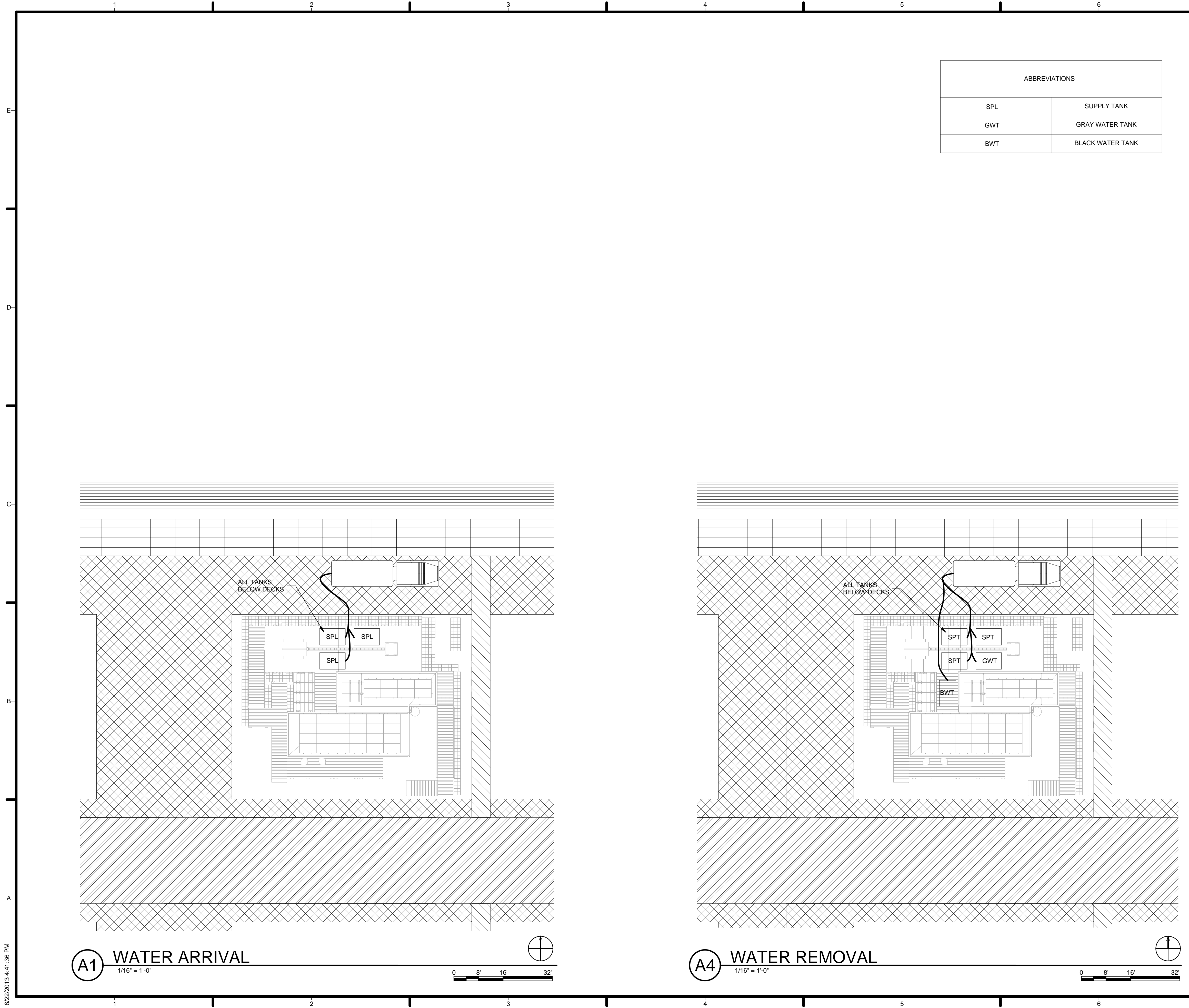
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DEPARTURE SEQUENCE PLAN

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ABBREVIATIONS	
SPL	SUPPLY TANK
GWT	GRAY WATER TANK
BWT	BLACK WATER TANK

GENERAL SHEET NOTES

REFERENCE KEYNOTES

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WATER SUPPLY AND REMOVAL

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