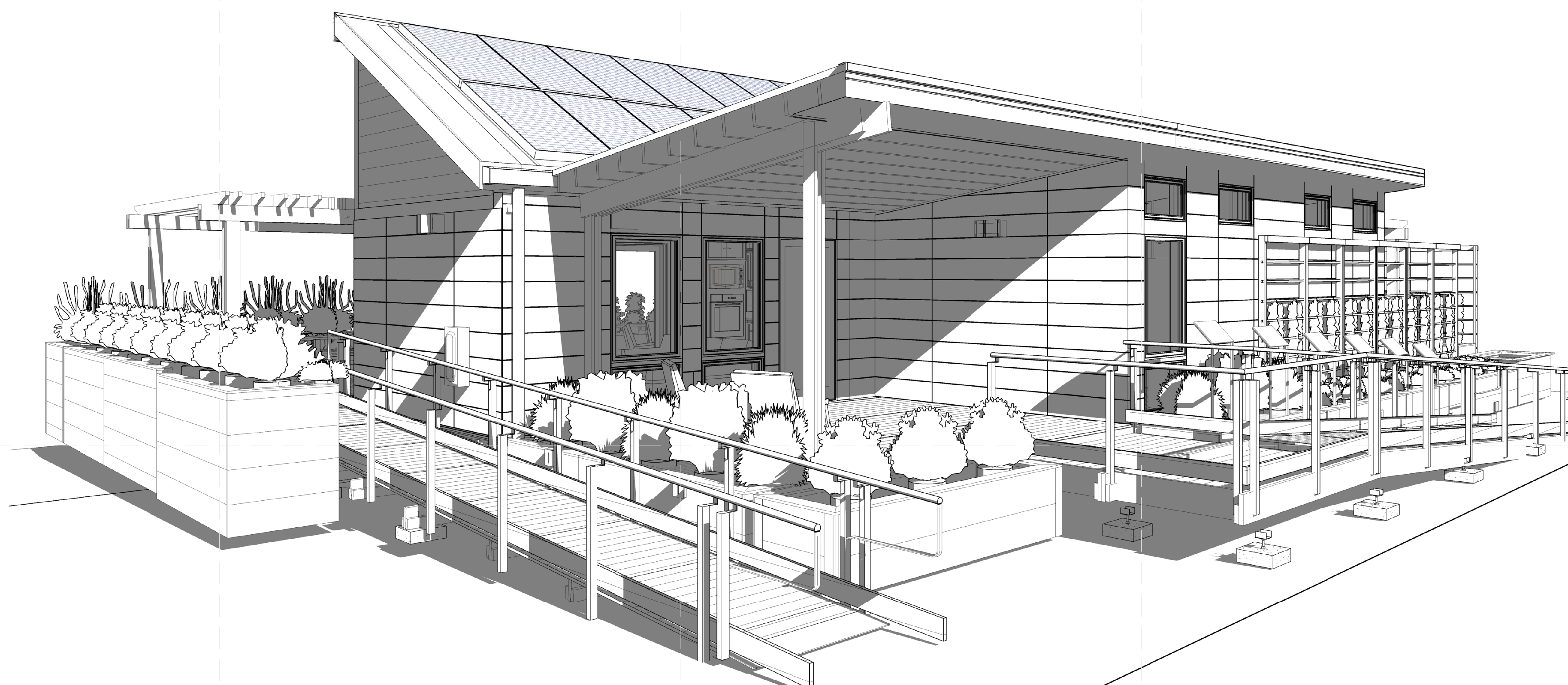


THE PHOENIX HOUSE

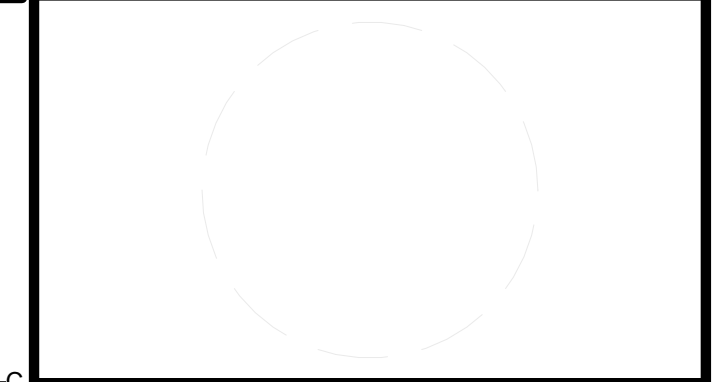
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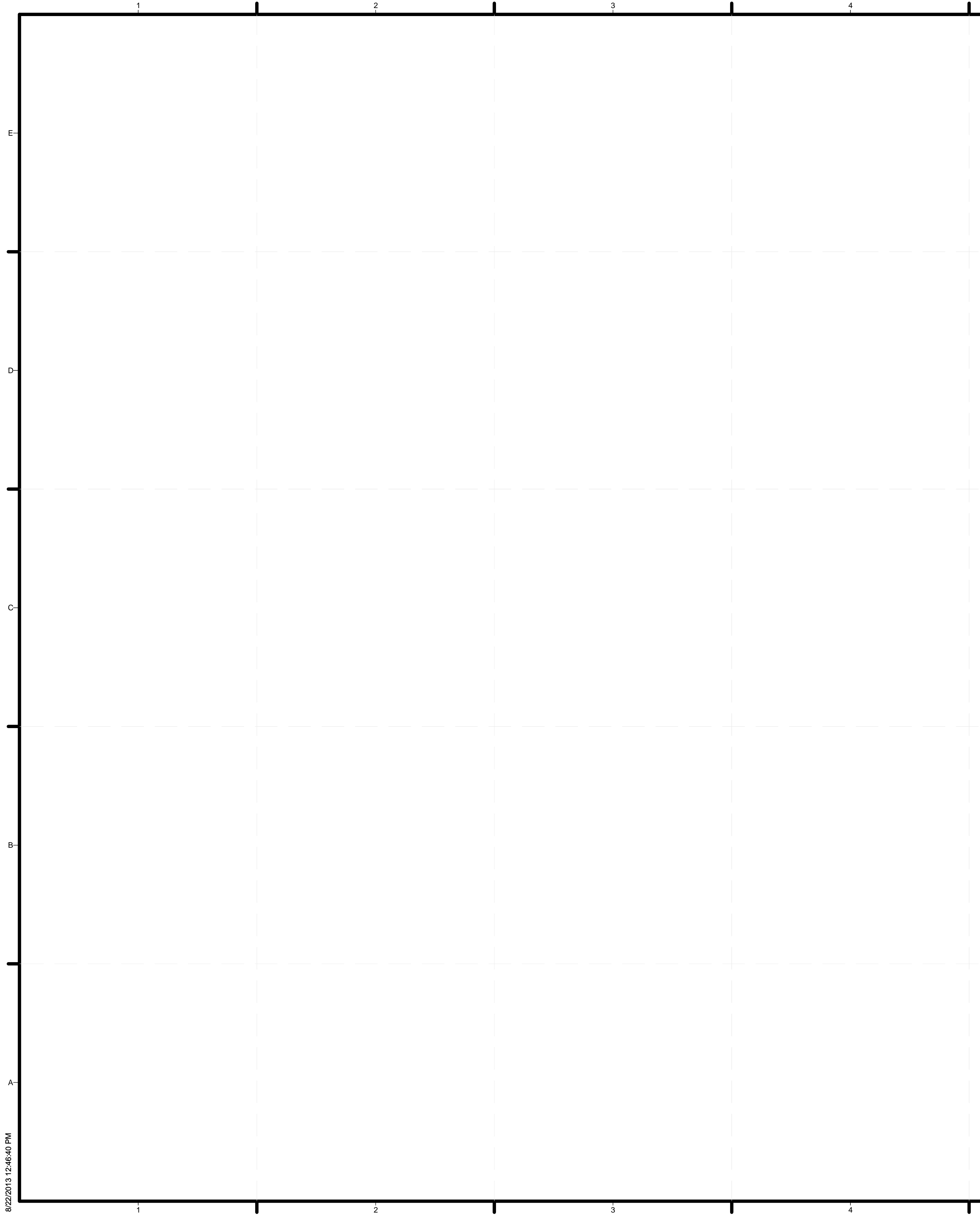
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SHEET TITLE
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G-000





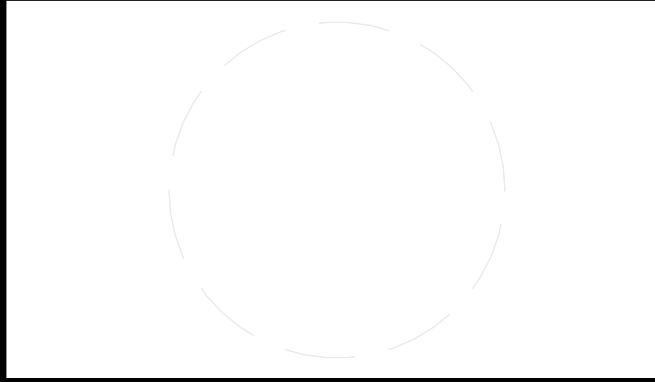
SHEET LIST	
SHT NO	SHEET NAME
G-000	COVER
G-001	TABLE OF CONTENTS
G-002	GENERAL SYMBOLS AND NOTES
G-011	DESIGN INTENT AND TARGET MARKET DESCRIPTION
G-101	FINISHED SQUARE FOOTAGE COMPLIANCE PLAN
G-102	EGRESS PLAN
G-103	ADA TOUR ROUTE COMPLIANCE PLAN
G-201	SOLAR ENVELOPE COMPLIANCE ELEVATIONS
G-202	SOLAR ENVELOPE COMPLIANCE ELEVATIONS
G-601	SHADING DIAGRAMS
G-901	GENERAL PROJECT RENDERINGS
G-902	GENERAL PROJECT RENDERINGS
L-101	LANDSCAPE PLANTING PLAN
L-103	SITE LIGHTING PLAN
L-104	PLANTER BOX PLAN
L-105	DECK PLAN
L-301	SITE SECTIONS
L-501	SITE DETAILS
L-502	RAMP DETAILS
L-503	RAMP DETAILS
L-504	RAMP DETAILS
L-505	TRELLIS
L-506	TRELLIS
L-507	GREEN WALL
L-509	RAMP DETAILS
S-001	STRUCTURAL NOTES AND SYMBOLS
S-101	FOUNDATION PLAN
S-102	FIRST FLOOR FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-104	DECK FRAMING PLAN
S-105	LOFT FRAMING
S-201	FRAMING ELEVATIONS
S-301	FRAMING SECTIONS
S-501	PLAN DETAILS
S-602	COLUMN AND BEAM SCHEDULES
A-001	ARCHITECTURAL SYMBOLS AND NOTES
A-101	SITE PLAN
A-102	FIRST FLOOR PLAN
A-103	LOFT PLAN
A-104	ROOF PLAN
A-111	FIRST FLOOR REFLECTED CEILING PLANS
A-121	FURNITURE PLAN
A-201	SITE ELEVATIONS
A-202	SITE ELEVATIONS
A-211	EXTERIOR BUILDING ELEVATIONS
A-212	EXTERIOR BUILDING ELEVATIONS
A-214	MODULE 1 INTERIOR ELEVATIONS
A-215	MODULE 2 INTERIOR ELEVATIONS
A-311	BUILDING SECTIONS
A-321	WALL SECTIONS
A-322	WALL SECTIONS
A-401	ENLARGED KITCHEN PLAN
A-402	ENLARGED BATHROOM PLAN
A-403	KITCHEN DETAILS
A-404	KITCHEN DETAILS
A-501	PLAN DETAILS
A-511	SECTION DETAILS
A-522	ELEVATION DETAILS
A-531	WINDOW DETAILS
A-532	WINDOW DETAILS
A-541	DOOR DETAILS

SHEET LIST	
SHT NO	SHEET NAME
A-561	ROOF DETAILS
A-601	SCHEDULES
F-102	FIRE SUPPRESSION
F-501	FIRE SUPPRESSION DETAILS
F-601	FIRE PROTECTION ISOMETRIC
F-602	PIPING ISOMETRIC
P-101	PLUMBING SITE PLAN
P-102	DOMESTIC SUPPLY
P-103	WASTE REMOVAL, GREY WATER, & VENTING
P-601	SCHEDULES
P-901	COMPLETE PLUMBING ISOMETRIC
P-902	SUPPLY ISOMETRIC
P-903	WASTE, GREY WATER, & VENTING ISOMETRIC
M-101	HVAC EQUIPMENT AND DISTRIBUTION PLAN
M-102	HVAC EQUIPMENT AND DISTRIBUTION PLAN
M-401	MECHANICAL ROOM HVAC PLAN AND ELEVATIONS
M-402	HVAC DUCT ROUTING
M-601	HVAC SCHEDULES
M-901	COMPLETE HVAC ISOMETRIC
E-001	ELECTRICAL SYMBOLS AND NOTES
E-002	MAIN FEEDER AND PV SYSTEMS CALCULATIONS
E-101	ELECTRICAL RECEPTACLE PLAN - INTERIOR
E-102	ELECTRICAL RECEPTACLE PLAN - EXTERIOR
E-103	LIGHTING PLAN - INTERIOR
E-104	LIGHTING PLAN - EXTERIOR
E-105	HARDWIRED EQUIPMENT PLAN
E-106	SOLAR ARRAY PLAN
E-201	SOLAR PANEL EQUIPMENT ELEVATION
E-601-1	SINGLE-LINE DIAGRAM - ELECTRICAL DISTRIBUTION
E-601-2	SINGLE-LINE DIAGRAM - ORGANIZER INTERFACE
E-602-1	SINGLE - LINE DIAGRAM - PV ARRAY
E-602-2	SINGLE-LINE DIAGRAM - PV EQUIPMENT
E-607	MAIN PANEL CIRCUIT BREAKER SCHEDULE
E-608	LIGHTING SCHEDULE
E-609	NETWORK EQUIPMENT AND APPLIANCE SCHEDULES
E-610	SOLAR POWER EQUIPMENT SCHEDULE
T-101	TELECOMMUNICATION PLAN
Z-100	CEMENT BOARD PANEL LAYOUT
Z-101	CEMENT BOARD PANEL LAYOUT
Z-201	PLANTER BOX SHOP PLAN
Z-202	TYPICAL CORNER ASSEMBLY FRAMING
Z-211	'A' PLANTERS FRAMING SHOPS I
Z-212	'A' PLANTERS FRAMING SHOPS II
Z-213	'A' PLANTERS FRAMING SHOPS III
Z-214	'B' PLANTER BOX FRAMING SHOPS
Z-215	'B' PLANTERS FRAMING SHOPS II
Z-218	'C' PLANTER BOX FRAMING SHOPS I
Z-219	'C' PLANTER BOX FRAMING SHOPS II
Z-221	PLANTER BOX ELEVATIONS I
Z-222	PLANTER BOX ELEVATIONS II
Z-401	DECKING SHOP DRAWINGS
Z-402	DECKING SHOP DRAWINGS
Z-403	DECKING SHOP DRAWINGS
Z-501	BENCH SHOP DRAWINGS
Z-601	NORTH TRELLIS SHOP DRAWINGS
Z-701	SOUTH TRELLIS SHOP DRAWINGS
O-101	ARRIVAL SEQUENCE PLANS



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 TABLE OF CONTENTS

G-001

GENERAL NOTES

- THE LOCATION OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC. HAS NOT BEEN DETERMINED AND HAS NOT BEEN SHOWN ON THE PLANS. BEFORE CONSTRUCTION, OWNER SHOULD HIRE A LICENSED CIVIL ENGINEER TO DETERMINE LOCATION BASED ON THE BEST AVAILABLE INFORMATION. ALL INFORMATION SHOWN IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER AND THE ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED AND THAT THE ACTUAL LOCATION OF THOSE WHICH EXIST MAY BE DIFFERENT FROM THE LOCATION ASSUMED.
- CONTRACTOR SHALL NOTIFY THE OWNER, ENGINEER AND THE LOCAL PRESIDING MUNICIPALITY A MINIMUM OF 48 HOURS IN ADVANCE OF PERFORMING ANY WORK.
- ALL AREAS, ON OR OFF SITE, DISTURBED DURING CONSTRUCTION OPERATIONS AND NOT PART OF THE WORK AS SHOWN HERON SHALL BE RESTORED TO ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER. IT IS INCUMBENT UPON CONTRACTOR TO SHOW THAT DAMAGED AREAS WERE NOT DISTURBED BY CONSTRUCTION OPERATIONS.
- THESE DRAWINGS ASSUME THAT THE CONTRACTOR WILL UTILIZE AN ELECTRONIC DRAWING FILE AND STAKE ALL SITE IMPROVEMENTS USING COORDINATES TIED INTO THE CONTROL POINTS. THE DIMENSIONS INDICATED ON THE DRAWINGS ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.
- IN THE CASE OF CONFLICT BETWEEN THESE DRAWINGS, THE FOUNDATION DRAWINGS AND THE ARCHITECTURAL SITE PLAN, THE USER OF THIS INFORMATION SHALL CONTACT THE ENGINEER IMMEDIATELY.
- OWNER TO COORDINATE THE EXACT LOCATIONS OF ALL UTILITY SERVICE LINES WITH PLUMBING DRAWINGS. REFER TO PLUMBING DRAWINGS FOR CONTINUATION OF ALL UTILITIES WITHIN 5 FEET OF BUILDING AREA.
- CONTRACTOR SHALL FIELD VERIFY INVERT & LOCATIONS OF EXISTING UTILITY MAINS PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES.
- SEPARATION OF WATER AND SEWER LINES SHALL BE 10' MINIMUM HORIZONTALLY. IF 10' IS NOT POSSIBLE, SEWER SHALL BE OF WATER MAIN QUALITY MATERIAL AND CONSTRUCTION.
- CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION

ABBREVIATIONS

&	AND
@	AREA
A/C	AIR CONDITIONING
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AH	AIR HANDLER (INDOOR UNIT)
ALUM	ALUMINUM
APPROX	APPROXIMATELY
ARCH	ARCHITECTURE
BD	BOARD
BLDG	BUILDING
BLOG	BLOCKING
B.O.	BOTTOM OF
BM	BEAM
BRD	BOARD
CAB	CABINET
CER	CERAMIC
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CONT	CONTINUOUS
CSWK	CASEWORK
CTR	CENTER
CW	CLOTHES WASHER/ COLD WATER
DIA	DIAMETER
DIM	DIMENSION
DK	DECK
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
ELEV	ELEVATION
E.P.	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ERV	ENERGY RECOVERY VENTILATOR
EXT	EXTERIOR
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FF	FINISHED FLOOR
FIN	FINISH
FL	FLOOR
FT	FOOT/ FEET
FTG	FOOTING
FRZ	FREEZER
FSW	FLOW SWITCH
FTG	FOOTING
GALV	GALVANIZED
GEN	GENERAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GL	GLASS
GR	GRADE
GWB	GYPSPUM WALL BOARD
GYP	GYPSPUM
H	HEIGHT
HC	HANDICAPPED
HDWR	HARDWARE
HP	HEAT PUMP
HR	HOUR
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HX	HEAT EXCHANGER
HW	HOT WATER
IN	INCH/ INCHES
INSUL	INSULATION
INT	INTERIOR
JB	JUNCTION BOX
KW	KILOWATT
KWH	KILOWATT HOUR
L	LENGTH
LA	PLANTS
LF	LIGHT FIXTURE
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MI	MICROINVERTER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N	NORTH
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
PE	PLUMBING EQUIPMENT
PL	PLANTER BOX
PLUM	PLUMBING
PLWD	PLYWOOD
PM	PEX MANIFOLD
PSF	POUNDS PER SQUARE FOOT
PV	PHOTOVOLTAIC
QTY	QUANTITY
R/A	RETURN AIR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR
REQ	REQUIRED
RET	RETURN
RM	ROOM
RO	ROUGH OPENING
S/A	SUPPLY AIR
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
SYM	SYMMETRICAL
SYS	SYSTEM
TBD	TO BE DETERMINED
THK	THICK
T.O.	TOP OF
TV	TELEVISION
TYP	TYPICAL
UM	UTILITY METER
V	VALVE
VERT	VERTICAL
V.I.F.	VERIFY IN FIELD
VOLUME	VOLUME
W	WIDTH
W/	WITH
WC	WATER CLOSET
WDW	WINDOW
WH	WATER HEATER
WT	WATER TANK WEIGHT

SYMBOL LEGEND

	DRAWING SCALE
	GRID LINES
	NORTH ARROW
	SECTION VIEW TAG SECTION IDENTIFICATION SHEET PLACEMENT OF SECTION
	SHEET KEYNOTE
	WINDOW TAG
	DOOR TAG
	REFERENCE KEYNOTE TAG WITH REFERENCE NUMBER
	ELEVATION TAG ELEVATION IDENTIFICATION SHEET PLACEMENT OF ELEVATION
	ROOM IDENTIFICATION TAG ROOM NAME ROOM NUMBER
	VIEW TITLE TITLE SCALE



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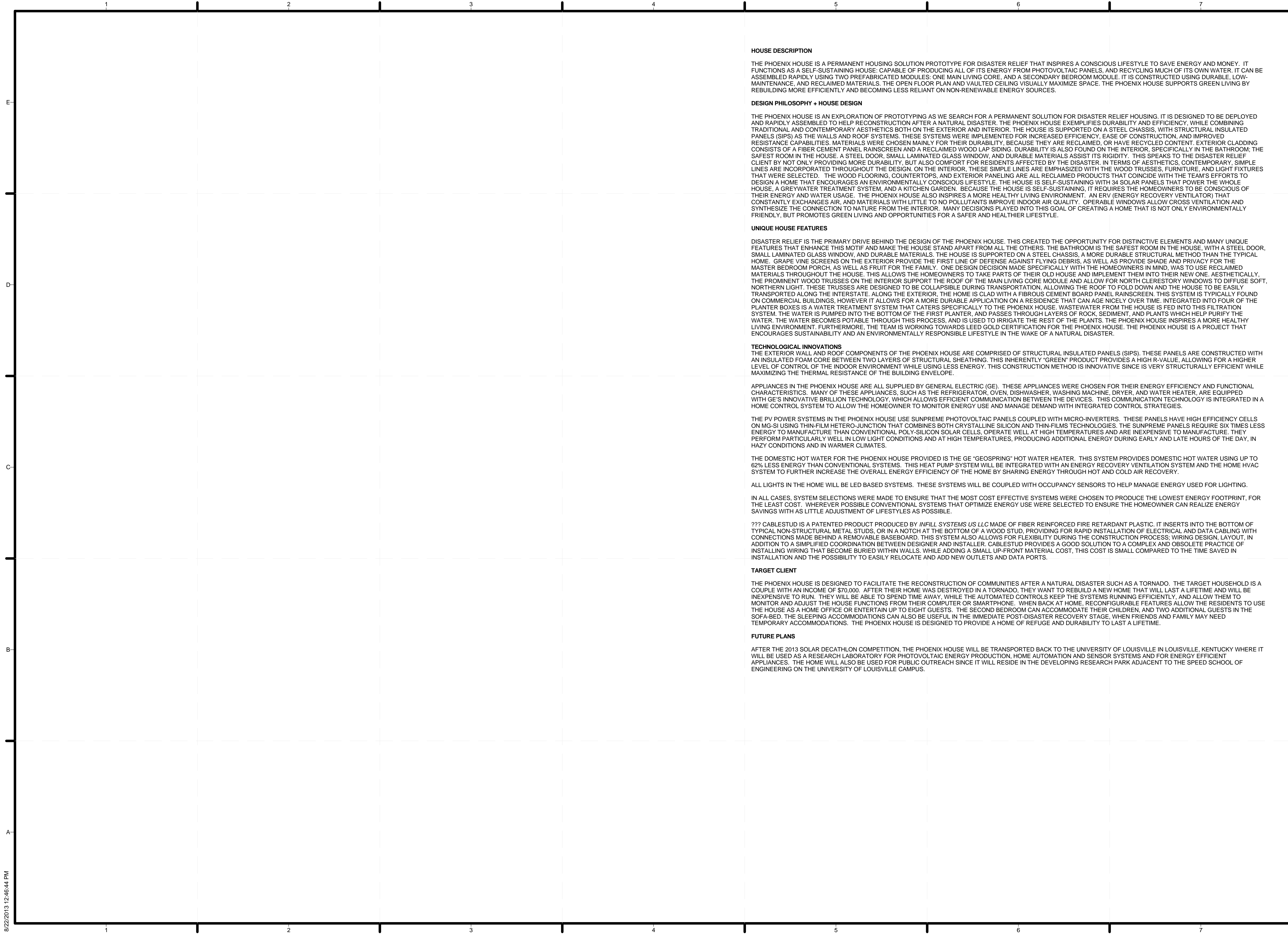
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GENERAL SYMBOLS
 AND NOTES

G-002



HOUSE DESCRIPTION

THE PHOENIX HOUSE IS A PERMANENT HOUSING SOLUTION PROTOTYPE FOR DISASTER RELIEF THAT INSPIRES A CONSCIOUS LIFESTYLE TO SAVE ENERGY AND MONEY. IT FUNCTIONS AS A SELF-SUSTAINING HOUSE: CAPABLE OF PRODUCING ALL OF ITS ENERGY FROM PHOTOVOLTAIC PANELS, AND RECYCLING MUCH OF ITS OWN WATER. IT CAN BE ASSEMBLED RAPIDLY USING TWO PREFABRICATED MODULES: ONE MAIN LIVING CORE, AND A SECONDARY BEDROOM MODULE. IT IS CONSTRUCTED USING DURABLE, LOW-MAINTENANCE, AND RECLAIMED MATERIALS. THE OPEN FLOOR PLAN AND VAULTED CEILING VISUALLY MAXIMIZE SPACE. THE PHOENIX HOUSE SUPPORTS GREEN LIVING BY REBUILDING MORE EFFICIENTLY AND BECOMING LESS RELIANT ON NON-RENEWABLE ENERGY SOURCES.

DESIGN PHILOSOPHY + HOUSE DESIGN

THE PHOENIX HOUSE IS AN EXPLORATION OF PROTOTYPING AS WE SEARCH FOR A PERMANENT SOLUTION FOR DISASTER RELIEF HOUSING. IT IS DESIGNED TO BE DEPLOYED AND RAPIDLY ASSEMBLED TO HELP RECONSTRUCTION AFTER A NATURAL DISASTER. THE PHOENIX HOUSE EXEMPLIFIES DURABILITY AND EFFICIENCY, WHILE COMBINING TRADITIONAL AND CONTEMPORARY AESTHETICS BOTH ON THE EXTERIOR AND INTERIOR. THE HOUSE IS SUPPORTED ON A STEEL CHASSIS, WITH STRUCTURAL INSULATED PANELS (SIPS) AS THE WALLS AND ROOF SYSTEMS. THESE SYSTEMS WERE IMPLEMENTED FOR INCREASED EFFICIENCY, EASE OF CONSTRUCTION, AND IMPROVED RESISTANCE CAPABILITIES. MATERIALS WERE CHOSEN MAINLY FOR THEIR DURABILITY, BECAUSE THEY ARE RECLAIMED, OR HAVE RECYCLED CONTENT. EXTERIOR CLADDING CONSISTS OF A FIBER CEMENT PANEL, RAINSCREEN AND A RECLAIMED WOOD LAP SIDING. DURABILITY IS ALSO FOUND ON THE INTERIOR, SPECIFICALLY IN THE BATHROOM, THE SAFEST ROOM IN THE HOUSE. A STEEL DOOR, SMALL LAMINATED GLASS WINDOW, AND DURABLE MATERIALS ASSIST ITS RIGIDITY. THIS SPEAKS TO THE DISASTER RELIEF CLIENT BY NOT ONLY PROVIDING MORE DURABILITY, BUT ALSO COMFORT FOR RESIDENTS AFFECTED BY THE DISASTER. IN TERMS OF AESTHETICS, CONTEMPORARY, SIMPLE LINES ARE INCORPORATED THROUGHOUT THE DESIGN. ON THE INTERIOR, THESE SIMPLE LINES ARE EMPHASIZED WITH THE WOOD TRUSSES, FURNITURE, AND LIGHT FIXTURES THAT WERE SELECTED. THE WOOD FLOORING, COUNTERTOPS, AND EXTERIOR PANELING ARE ALL RECLAIMED PRODUCTS THAT COINCIDE WITH THE TEAM'S EFFORTS TO DESIGN A HOME THAT ENCOURAGES AN ENVIRONMENTALLY CONSCIOUS LIFESTYLE. THE HOUSE IS SELF-SUSTAINING WITH 34 SOLAR PANELS THAT POWER THE WHOLE HOUSE, A GREY WATER TREATMENT SYSTEM, AND A KITCHEN GARDEN. BECAUSE THE HOUSE IS SELF-SUSTAINING, IT REQUIRES THE HOMEOWNERS TO BE CONSCIOUS OF THEIR ENERGY AND WATER USAGE. THE PHOENIX HOUSE ALSO INSPIRES A MORE HEALTHY LIVING ENVIRONMENT. AN ERV (ENERGY RECOVERY VENTILATOR) THAT CONSTANTLY EXCHANGES AIR, AND MATERIALS WITH LITTLE TO NO POLLUTANTS IMPROVE INDOOR AIR QUALITY. OPERABLE WINDOWS ALLOW CROSS VENTILATION AND SYNTHESIZE THE CONNECTION TO NATURE FROM THE INTERIOR. MANY DECISIONS PLAYED INTO THIS GOAL OF CREATING A HOME THAT IS NOT ONLY ENVIRONMENTALLY FRIENDLY, BUT PROMOTES GREEN LIVING AND OPPORTUNITIES FOR A SAFER AND HEALTHIER LIFESTYLE.

UNIQUE HOUSE FEATURES

DISASTER RELIEF IS THE PRIMARY DRIVE BEHIND THE DESIGN OF THE PHOENIX HOUSE. THIS CREATED THE OPPORTUNITY FOR DISTINCTIVE ELEMENTS AND MANY UNIQUE FEATURES THAT ENHANCE THIS MOTIF AND MAKE THE HOUSE STAND APART FROM ALL THE OTHERS. THE BATHROOM IS THE SAFEST ROOM IN THE HOUSE, WITH A STEEL DOOR, SMALL LAMINATED GLASS WINDOW, AND DURABLE MATERIALS. THE HOUSE IS SUPPORTED ON A STEEL CHASSIS, A MORE DURABLE STRUCTURAL METHOD THAN THE TYPICAL HOME. GRAPE VINE SCREENS ON THE EXTERIOR PROVIDE THE FIRST LINE OF DEFENSE AGAINST FLYING DEBRIS, AS WELL AS PROVIDE SHADE AND PRIVACY FOR THE MASTER BEDROOM PORCH, AS WELL AS FRUIT FOR THE FAMILY. ONE DESIGN DECISION MADE SPECIFICALLY WITH THE HOMEOWNERS IN MIND, WAS TO USE RECLAIMED MATERIALS THROUGHOUT THE HOUSE. THIS ALLOWS THE HOMEOWNERS TO TAKE PARTS OF THEIR OLD HOUSE AND IMPLEMENT THEM INTO THEIR NEW ONE. AESTHETICALLY, THE PROMINENT WOOD TRUSSES ON THE INTERIOR SUPPORT THE ROOF OF THE MAIN LIVING CORE MODULE AND ALLOW FOR NORTH CLERESTORY WINDOWS TO DIFFUSE SOFT, NORTHERN LIGHT. THESE TRUSSES ARE DESIGNED TO BE COLLAPSIBLE DURING TRANSPORTATION, ALLOWING THE ROOF TO FOLD DOWN AND THE HOUSE TO BE EASILY TRANSPORTED ALONG THE INTERSTATE. ALONG THE EXTERIOR, THE HOME IS CLAD WITH A FIBROUS CEMENT BOARD PANEL RAINSCREEN. THIS SYSTEM IS TYPICALLY FOUND ON COMMERCIAL BUILDINGS, HOWEVER IT ALLOWS FOR A MORE DURABLE APPLICATION ON A RESIDENCE THAT CAN AGE NICELY OVER TIME. INTEGRATED INTO FOUR OF THE PLANTER BOXES IS A WATER TREATMENT SYSTEM THAT CATERES SPECIFICALLY TO THE PHOENIX HOUSE. WASTEWATER FROM THE HOUSE IS FED INTO THIS FILTRATION SYSTEM. THE WATER IS PUMPED INTO THE BOTTOM OF THE FIRST PLANTER, AND PASSES THROUGH LAYERS OF ROCK, SEDIMENT, AND PLANTS WHICH HELP PURIFY THE WATER. THE WATER BECOMES POTABLE THROUGH THIS PROCESS, AND IS USED TO IRRIGATE THE REST OF THE PLANTS. THE PHOENIX HOUSE INSPIRES A MORE HEALTHY LIVING ENVIRONMENT. FURTHERMORE, THE TEAM IS WORKING TOWARDS LEED GOLD CERTIFICATION FOR THE PHOENIX HOUSE. THE PHOENIX HOUSE IS A PROJECT THAT ENCOURAGES SUSTAINABILITY AND AN ENVIRONMENTALLY RESPONSIBLE LIFESTYLE IN THE WAKE OF A NATURAL DISASTER.

TECHNOLOGICAL INNOVATIONS

THE EXTERIOR WALL AND ROOF COMPONENTS OF THE PHOENIX HOUSE ARE COMPRISED OF STRUCTURAL INSULATED PANELS (SIPS). THESE PANELS ARE CONSTRUCTED WITH AN INSULATED FOAM CORE BETWEEN TWO LAYERS OF STRUCTURAL SHEATHING. THIS INHERENTLY "GREEN" PRODUCT PROVIDES A HIGH R-VALUE, ALLOWING FOR A HIGHER LEVEL OF CONTROL OF THE INDOOR ENVIRONMENT WHILE USING LESS ENERGY. THIS CONSTRUCTION METHOD IS INNOVATIVE SINCE IS VERY STRUCTURALLY EFFICIENT WHILE MAXIMIZING THE THERMAL RESISTANCE OF THE BUILDING ENVELOPE.

APPLIANCES IN THE PHOENIX HOUSE ARE ALL SUPPLIED BY GENERAL ELECTRIC (GE). THESE APPLIANCES WERE CHOSEN FOR THEIR ENERGY EFFICIENCY AND FUNCTIONAL CHARACTERISTICS. MANY OF THESE APPLIANCES, SUCH AS THE REFRIGERATOR, OVEN, DISHWASHER, WASHING MACHINE, DRYER, AND WATER HEATER, ARE EQUIPPED WITH GE'S INNOVATIVE BRILLION TECHNOLOGY, WHICH ALLOWS EFFICIENT COMMUNICATION BETWEEN THE DEVICES. THIS COMMUNICATION TECHNOLOGY IS INTEGRATED IN A HOME CONTROL SYSTEM TO ALLOW THE HOMEOWNER TO MONITOR ENERGY USE AND MANAGE DEMAND WITH INTEGRATED CONTROL STRATEGIES.

THE PV POWER SYSTEMS IN THE PHOENIX HOUSE USE SUNPREME PHOTOVOLTAIC PANELS COUPLED WITH MICRO-INVERTERS. THESE PANELS HAVE HIGH EFFICIENCY CELLS ON MG-SI USING THIN-FILM HETERO-JUNCTION THAT COMBINES BOTH CRYSTALLINE SILICON AND THIN-FILMS TECHNOLOGIES. THE SUNPREME PANELS REQUIRE SIX TIMES LESS ENERGY TO MANUFACTURE THAN CONVENTIONAL POLY-SILICON SOLAR CELLS, OPERATE WELL AT HIGH TEMPERATURES AND ARE INEXPENSIVE TO MANUFACTURE. THEY PERFORM PARTICULARLY WELL IN LOW LIGHT CONDITIONS AND AT HIGH TEMPERATURES, PRODUCING ADDITIONAL ENERGY DURING EARLY AND LATE HOURS OF THE DAY, IN HAZY CONDITIONS AND IN WARMER CLIMATES.

THE DOMESTIC HOT WATER FOR THE PHOENIX HOUSE PROVIDED IS THE GE "GEOSPRING" HOT WATER HEATER. THIS SYSTEM PROVIDES DOMESTIC HOT WATER USING UP TO 62% LESS ENERGY THAN CONVENTIONAL SYSTEMS. THIS HEAT PUMP SYSTEM WILL BE INTEGRATED WITH AN ENERGY RECOVERY VENTILATION SYSTEM AND THE HOME HVAC SYSTEM TO FURTHER INCREASE THE OVERALL ENERGY EFFICIENCY OF THE HOME BY SHARING ENERGY THROUGH HOT AND COLD AIR RECOVERY.

ALL LIGHTS IN THE HOME WILL BE LED BASED SYSTEMS. THESE SYSTEMS WILL BE COUPLED WITH OCCUPANCY SENSORS TO HELP MANAGE ENERGY USED FOR LIGHTING.

IN ALL CASES, SYSTEM SELECTIONS WERE MADE TO ENSURE THAT THE MOST COST EFFECTIVE SYSTEMS WERE CHOSEN TO PRODUCE THE LOWEST ENERGY FOOTPRINT, FOR THE LEAST COST. WHEREVER POSSIBLE CONVENTIONAL SYSTEMS THAT OPTIMIZE ENERGY USE WERE SELECTED TO ENSURE THE HOMEOWNER CAN REALIZE ENERGY SAVINGS WITH AS LITTLE ADJUSTMENT OF LIFESTYLES AS POSSIBLE.

??? CABLESTUD IS A PATENTED PRODUCT PRODUCED BY IN/FILL SYSTEMS US LLC MADE OF FIBER REINFORCED FIRE RETARDANT PLASTIC. IT INSERTS INTO THE BOTTOM OF TYPICAL NON-STRUCTURAL METAL STUDS, OR IN A NOTCH AT THE BOTTOM OF A WOOD STUD, PROVIDING FOR RAPID INSTALLATION OF ELECTRICAL AND DATA CABLING WITH CONNECTIONS MADE BEHIND A REMOVABLE BASEBOARD. THIS SYSTEM ALSO ALLOWS FOR FLEXIBILITY DURING THE CONSTRUCTION PROCESS: WIRING DESIGN, LAYOUT, IN ADDITION TO A SIMPLIFIED COORDINATION BETWEEN DESIGNER AND INSTALLER. CABLESTUD PROVIDES A GOOD SOLUTION TO A COMPLEX AND OBSOLETE PRACTICE OF INSTALLING WIRING THAT BECOME BURIED WITHIN WALLS. WHILE ADDING A SMALL UP-FRONT MATERIAL COST, THIS COST IS SMALL COMPARED TO THE TIME SAVED IN INSTALLATION AND THE POSSIBILITY TO EASILY RELOCATE AND ADD NEW OUTLETS AND DATA PORTS.

TARGET CLIENT

THE PHOENIX HOUSE IS DESIGNED TO FACILITATE THE RECONSTRUCTION OF COMMUNITIES AFTER A NATURAL DISASTER SUCH AS A TORNADO. THE TARGET HOUSEHOLD IS A COUPLE WITH AN INCOME OF \$70,000. AFTER THEIR HOME WAS DESTROYED IN A TORNADO, THEY WANT TO REBUILD A NEW HOME THAT WILL LAST A LIFETIME AND WILL BE INEXPENSIVE TO RUN. THEY WILL BE ABLE TO SPEND TIME AWAY, WHILE THE AUTOMATED CONTROLS KEEP THE SYSTEMS RUNNING EFFICIENTLY, AND ALLOW THEM TO MONITOR AND ADJUST THE HOUSE FUNCTIONS FROM THEIR COMPUTER OR SMARTPHONE. WHEN BACK AT HOME, RECONFIGURABLE FEATURES ALLOW THE RESIDENTS TO USE THE HOUSE AS A HOME OFFICE OR ENTERTAIN UP TO EIGHT GUESTS. THE SECOND BEDROOM CAN ACCOMMODATE THEIR CHILDREN, AND TWO ADDITIONAL GUESTS IN THE SOFA-BED. THE SLEEPING ACCOMMODATIONS CAN ALSO BE USEFUL IN THE IMMEDIATE POST-DISASTER RECOVERY STAGE, WHEN FRIENDS AND FAMILY MAY NEED TEMPORARY ACCOMMODATIONS. THE PHOENIX HOUSE IS DESIGNED TO PROVIDE A HOME OF REFUGE AND DURABILITY TO LAST A LIFETIME.

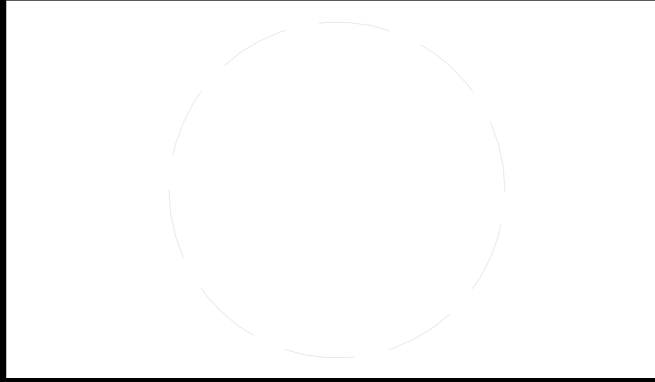
FUTURE PLANS

AFTER THE 2013 SOLAR DECATHLON COMPETITION, THE PHOENIX HOUSE WILL BE TRANSPORTED BACK TO THE UNIVERSITY OF LOUISVILLE IN LOUISVILLE, KENTUCKY WHERE IT WILL BE USED AS A RESEARCH LABORATORY FOR PHOTOVOLTAIC ENERGY PRODUCTION, HOME AUTOMATION AND SENSOR SYSTEMS AND FOR ENERGY EFFICIENT APPLIANCES. THE HOME WILL ALSO BE USED FOR PUBLIC OUTREACH SINCE IT WILL RESIDE IN THE DEVELOPING RESEARCH PARK ADJACENT TO THE SPEED SCHOOL OF ENGINEERING ON THE UNIVERSITY OF LOUISVILLE CAMPUS.



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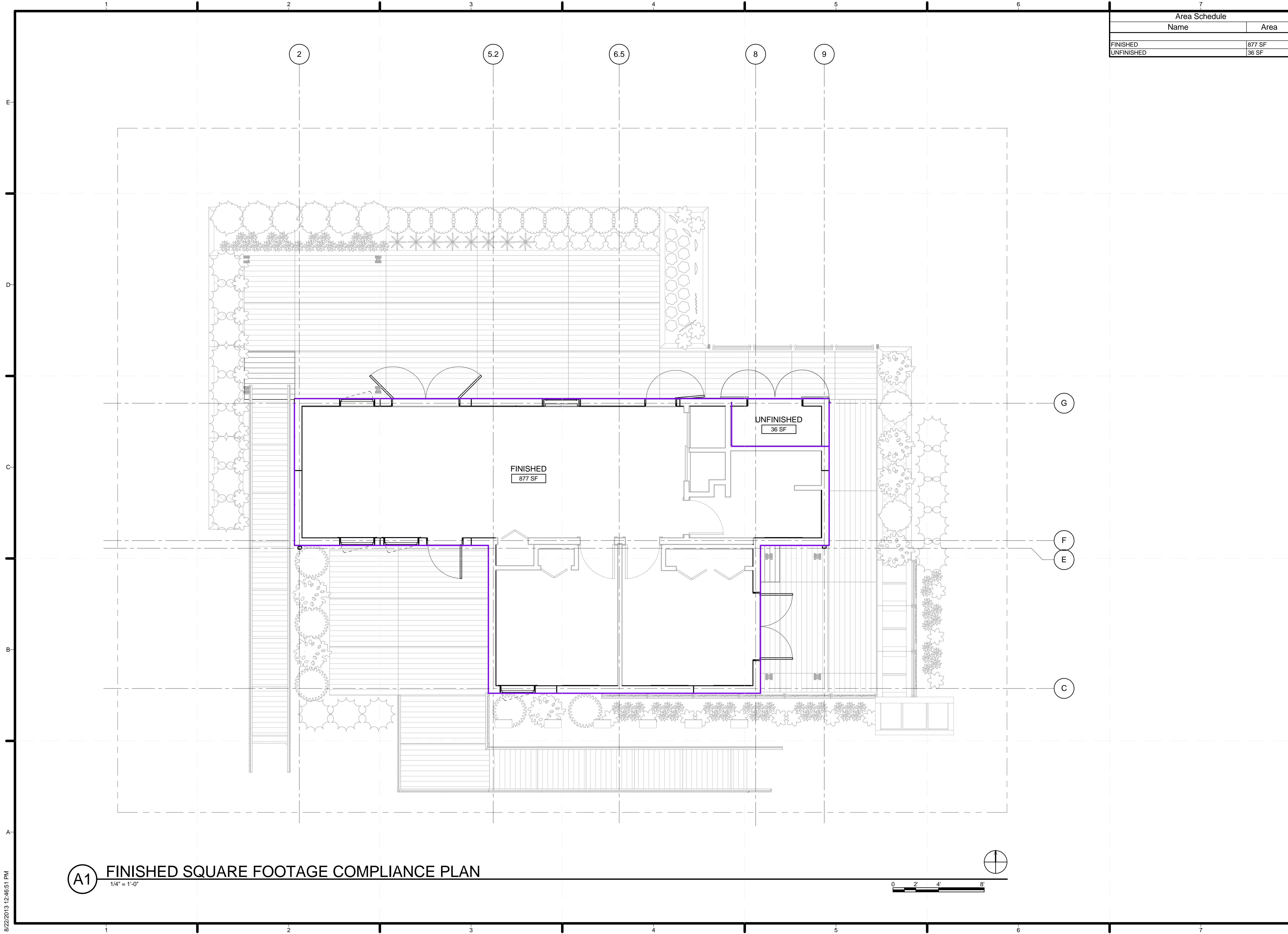
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SHEET TITLE
 DESIGN INTENT AND TARGET MARKET DESCRIPTION
 G-011

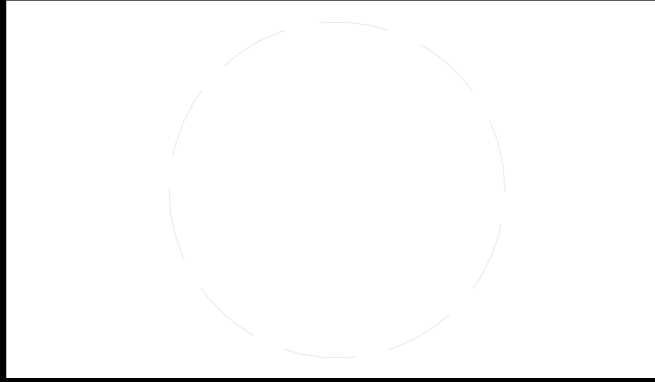


Area Schedule	
Name	Area
FINISHED	877 SF
UNFINISHED	36 SF



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SHEET TITLE
FINISHED SQUARE FOOTAGE COMPLIANCE PLAN

G-101

8/22/2013 12:46:51 PM

GENERAL SHEET NOTES

- BEDROOM 1 WINDOW AND MASTER BEDROOM DOOR MEET THE REQUIREMENTS OF EGRESS, BUT WILL NOT SERVE AS MEANS OF EGRESS DURING THE COMPETITION



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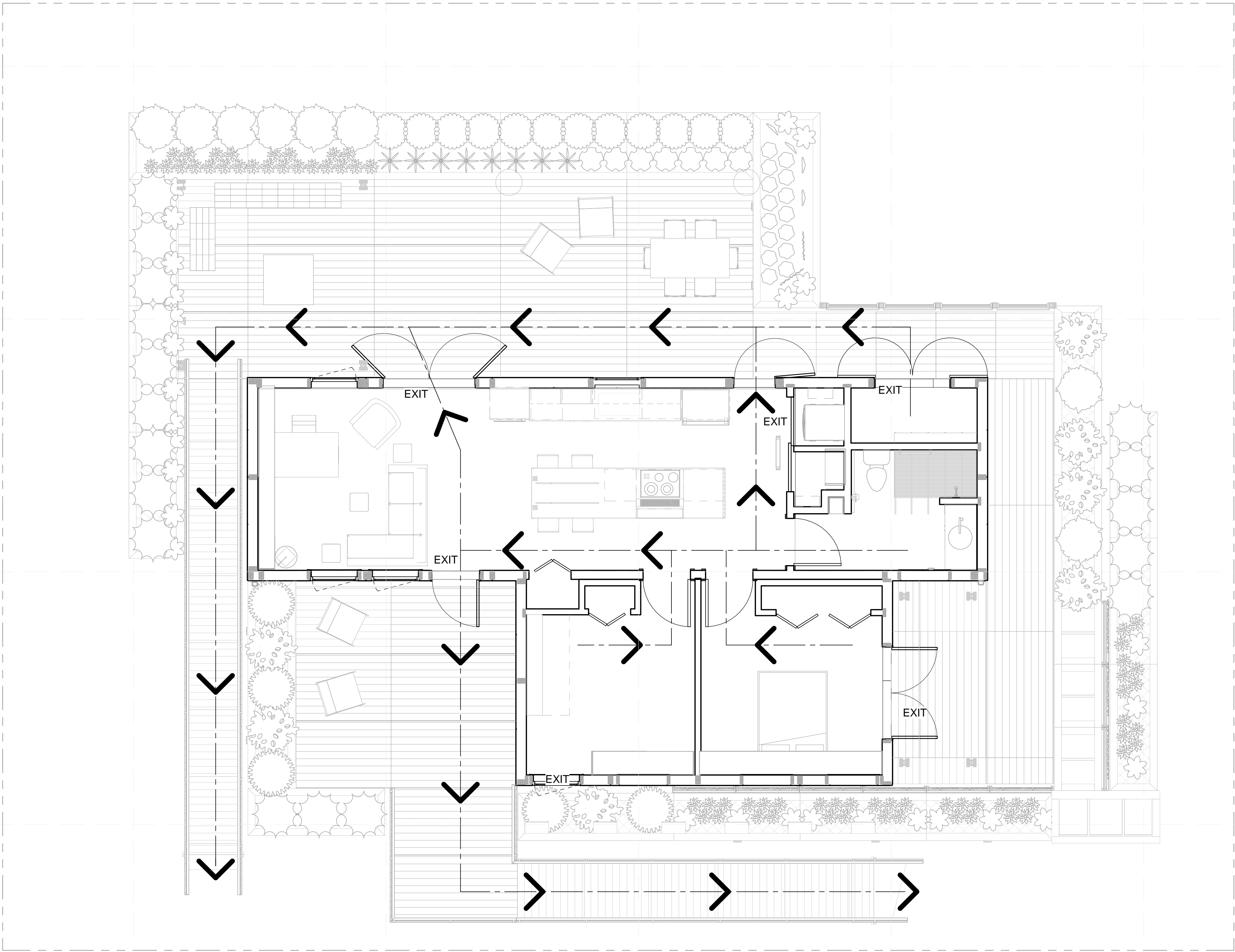
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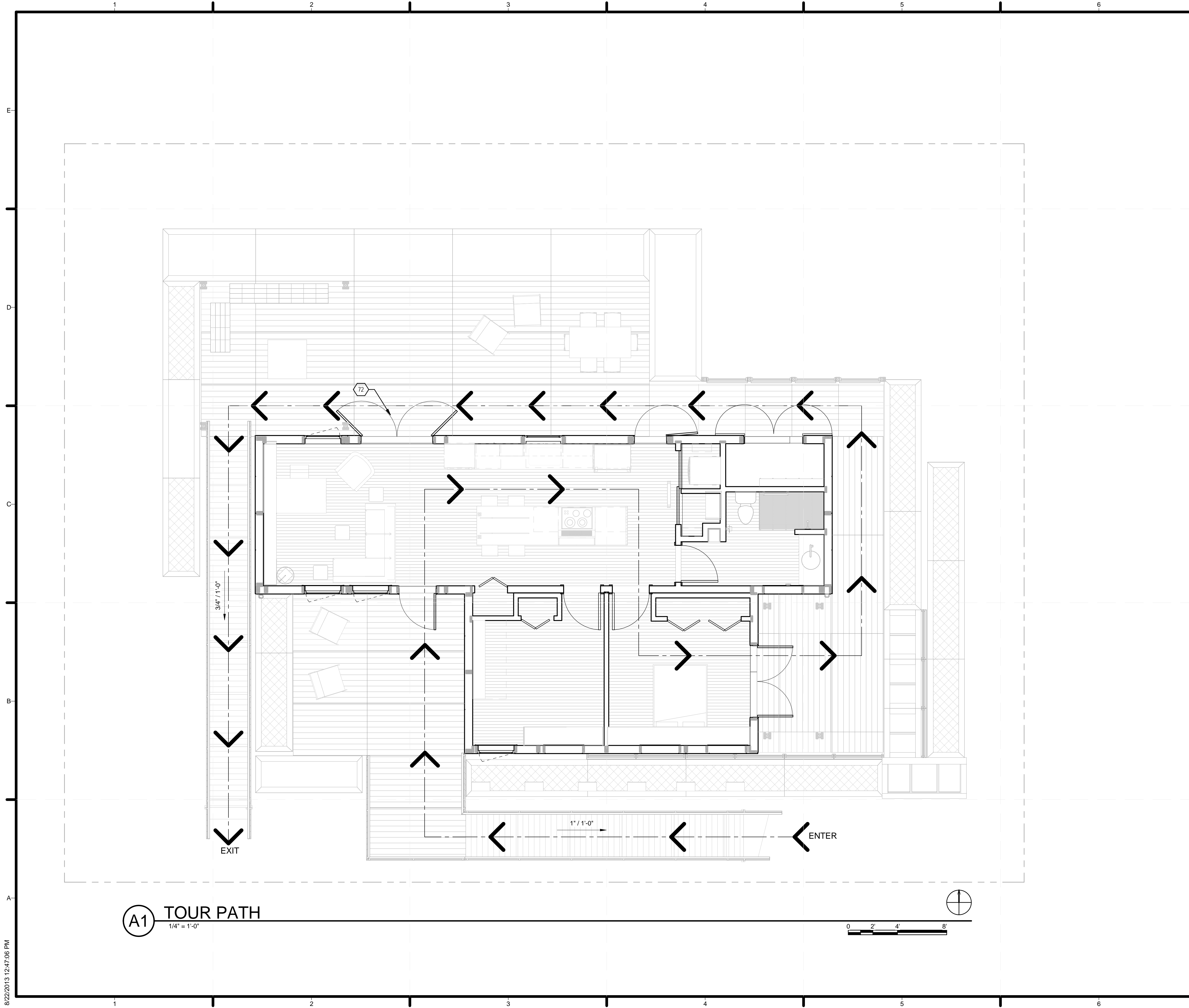
SHEET TITLE
EGRESS PLAN

G-102



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

8/22/2013 12:47:01 PM



GENERAL SHEET NOTES

NOTE: DOORS WILL REMAIN FIXED IN OPEN POSITION DURING PUBLIC TOURS

REFERENCE KEYNOTES

SHEET KEYNOTES

72 LEFT DOOR PANEL WILL REMAIN CLOSED DURING COMPETITION. RIGHT DOOR PANEL WILL SWING 180 OPEN DURING COMPETITION



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SHEET TITLE
ADA TOUR ROUTE COMPLIANCE PLAN

G-103

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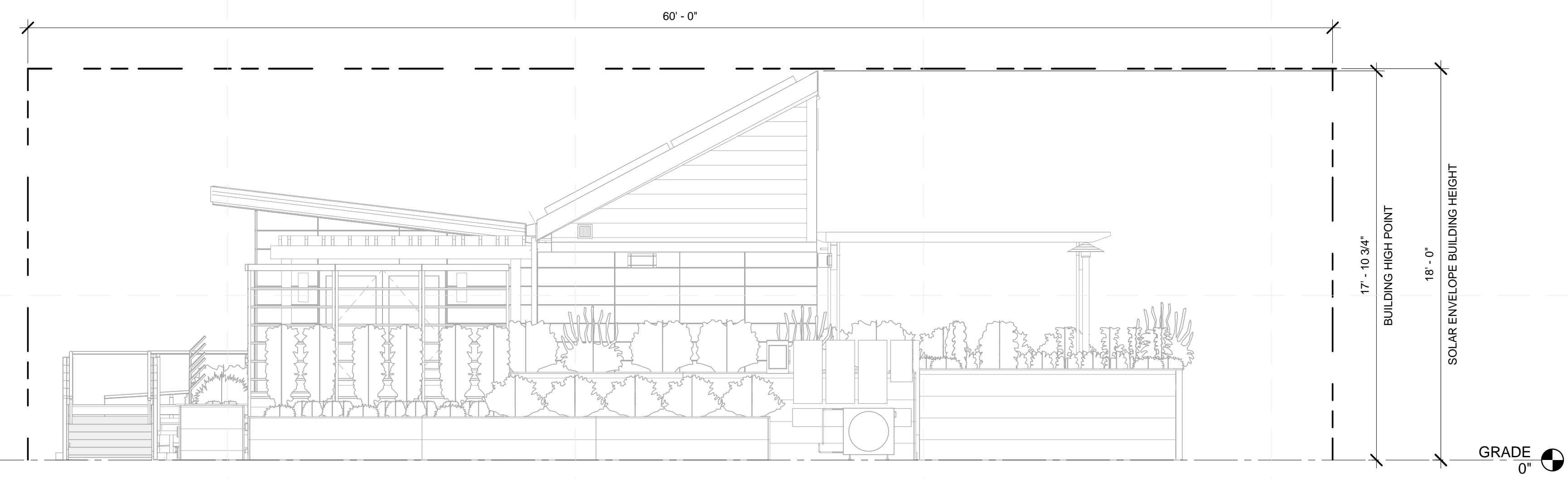
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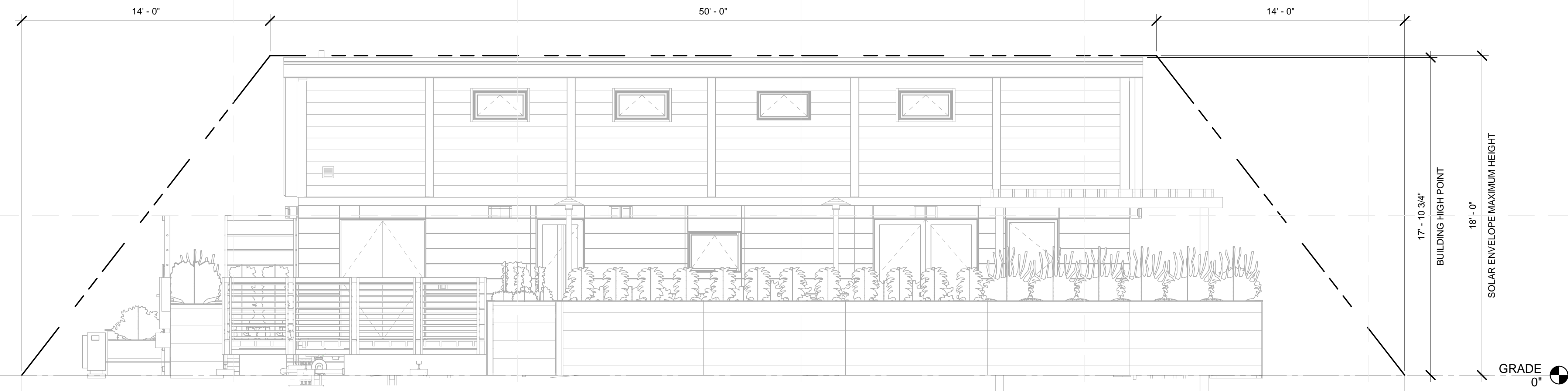
SHEET TITLE

SOLAR ENVELOPE COMPLIANCE ELEVATIONS

G-201



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



A1 NORTH SOLAR ENVELOPE COMPLIANCE
 1/4" = 1'-0"

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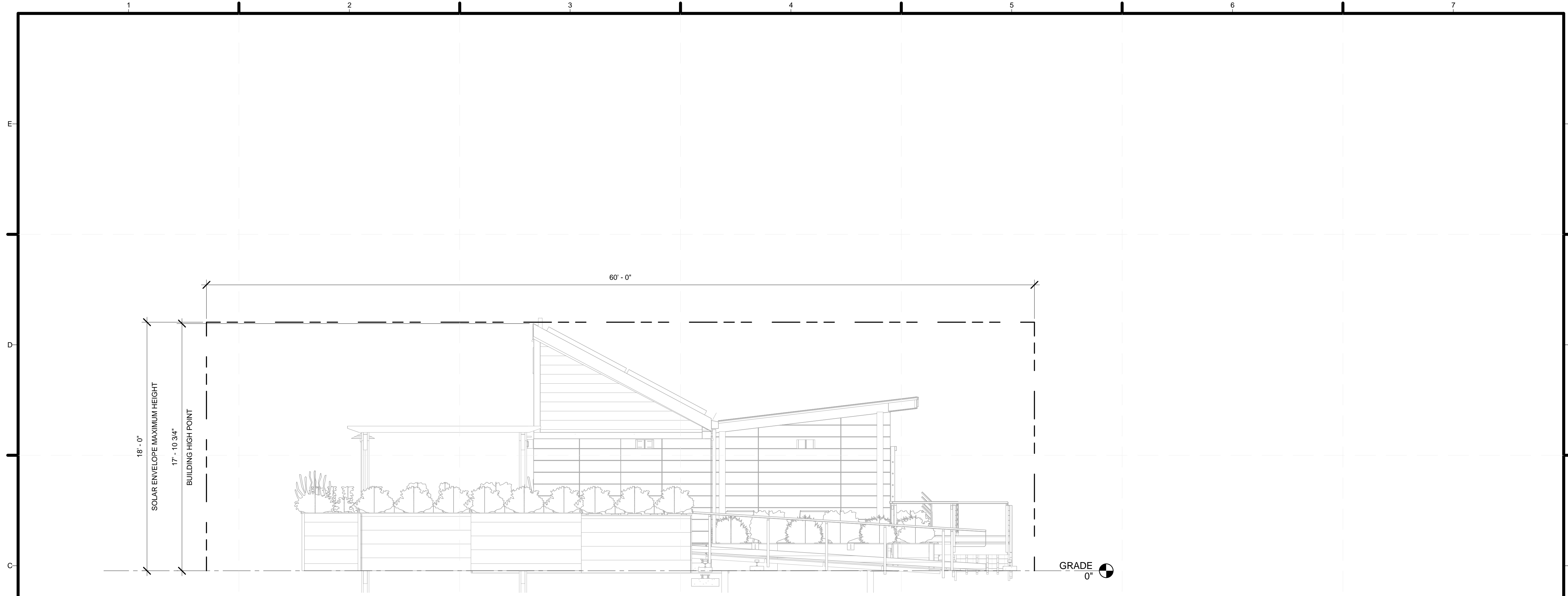
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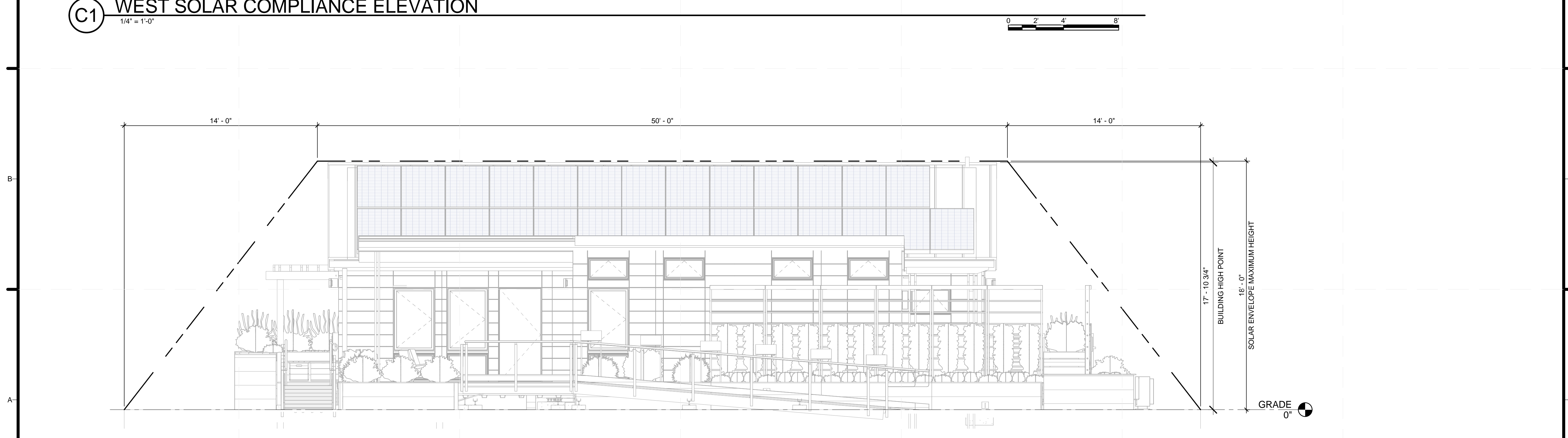
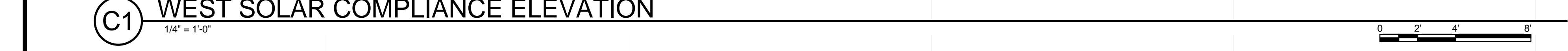
LOT NUMBER: 113
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SHEET TITLE
 SOLAR ENVELOPE COMPLIANCE ELEVATIONS

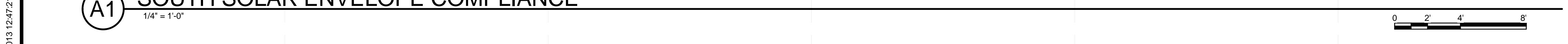
G-202



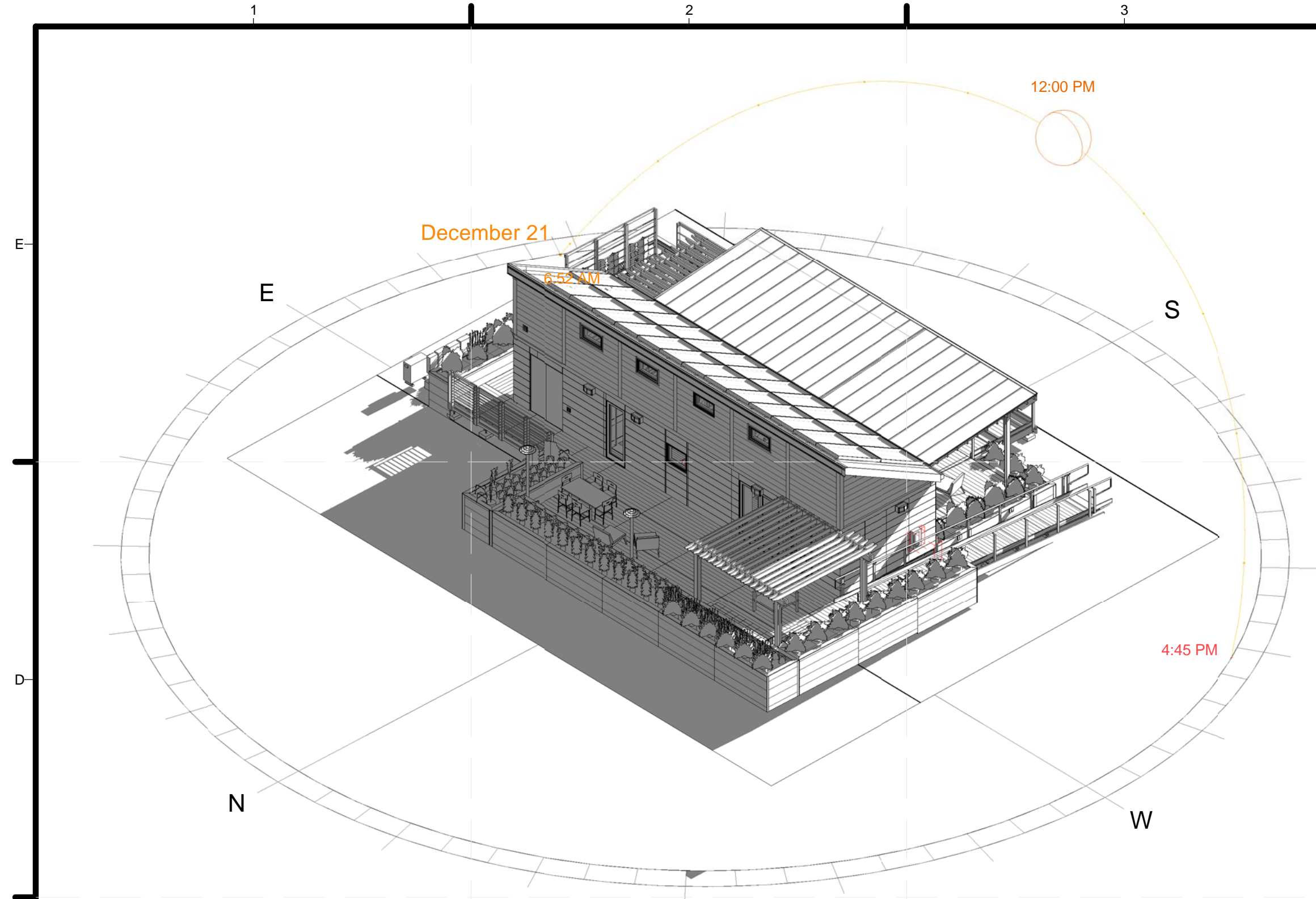
C1 WEST SOLAR COMPLIANCE ELEVATION
 1/4" = 1'-0"



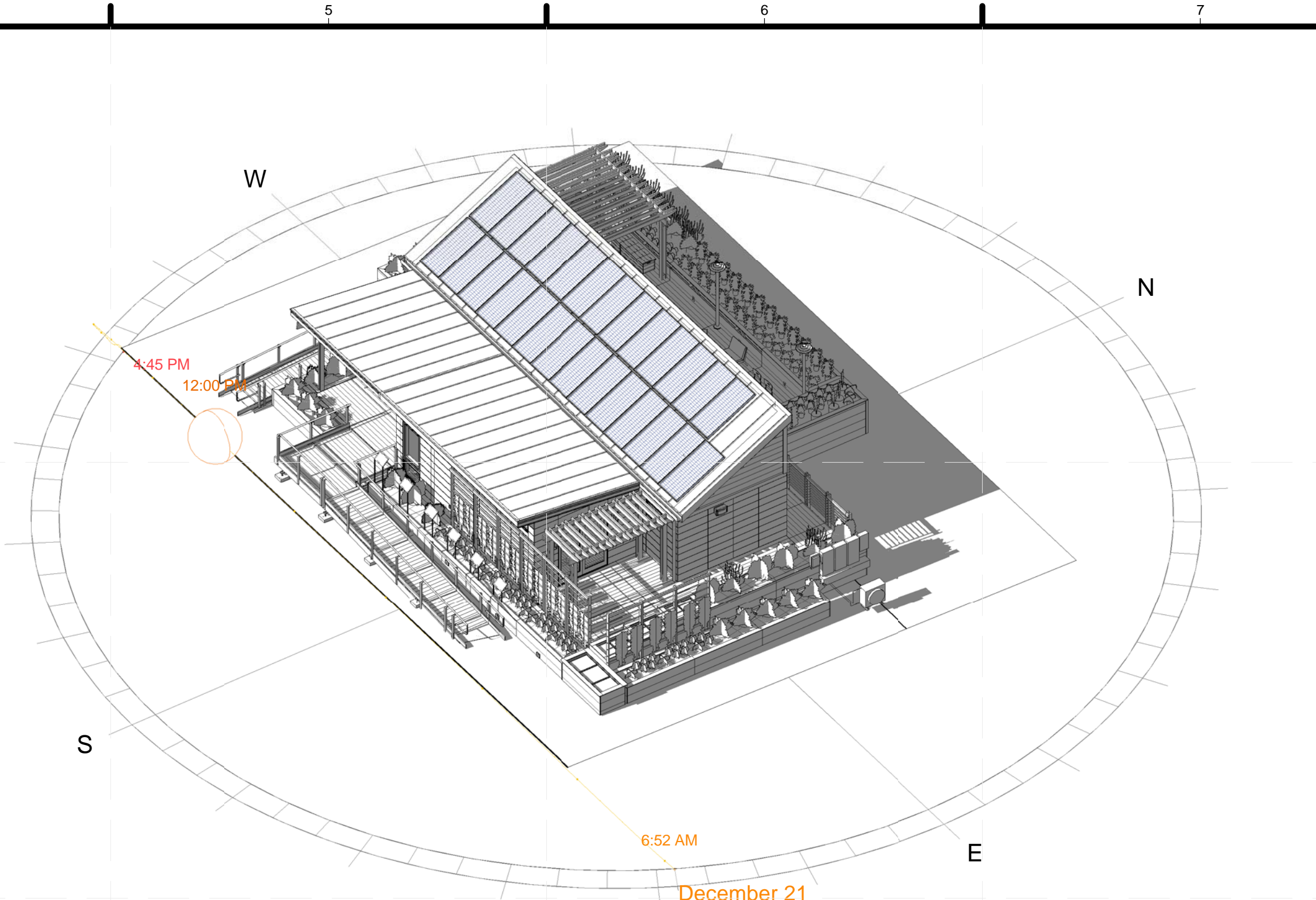
A1 SOUTH SOLAR ENVELOPE COMPLIANCE
 1/4" = 1'-0"



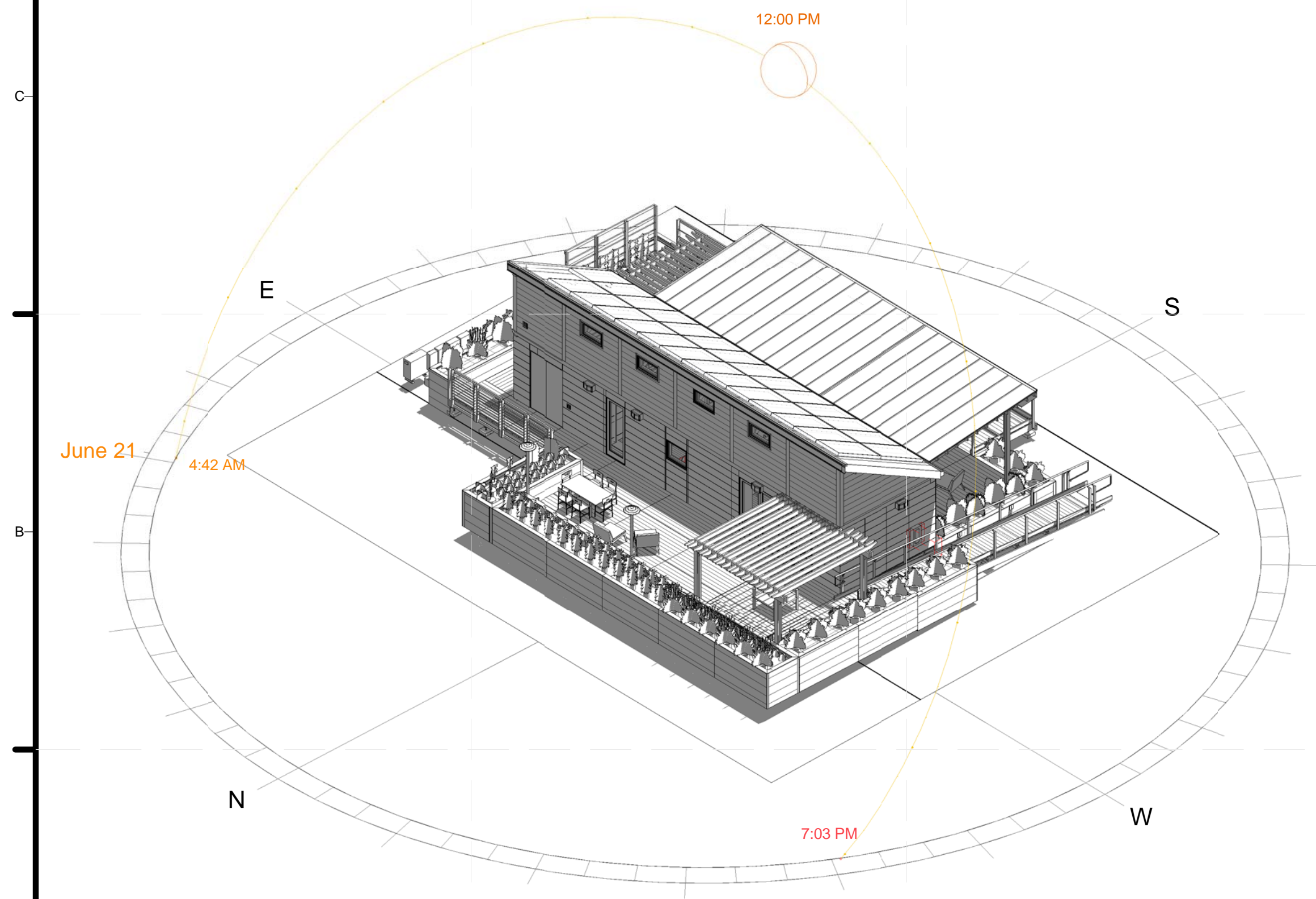
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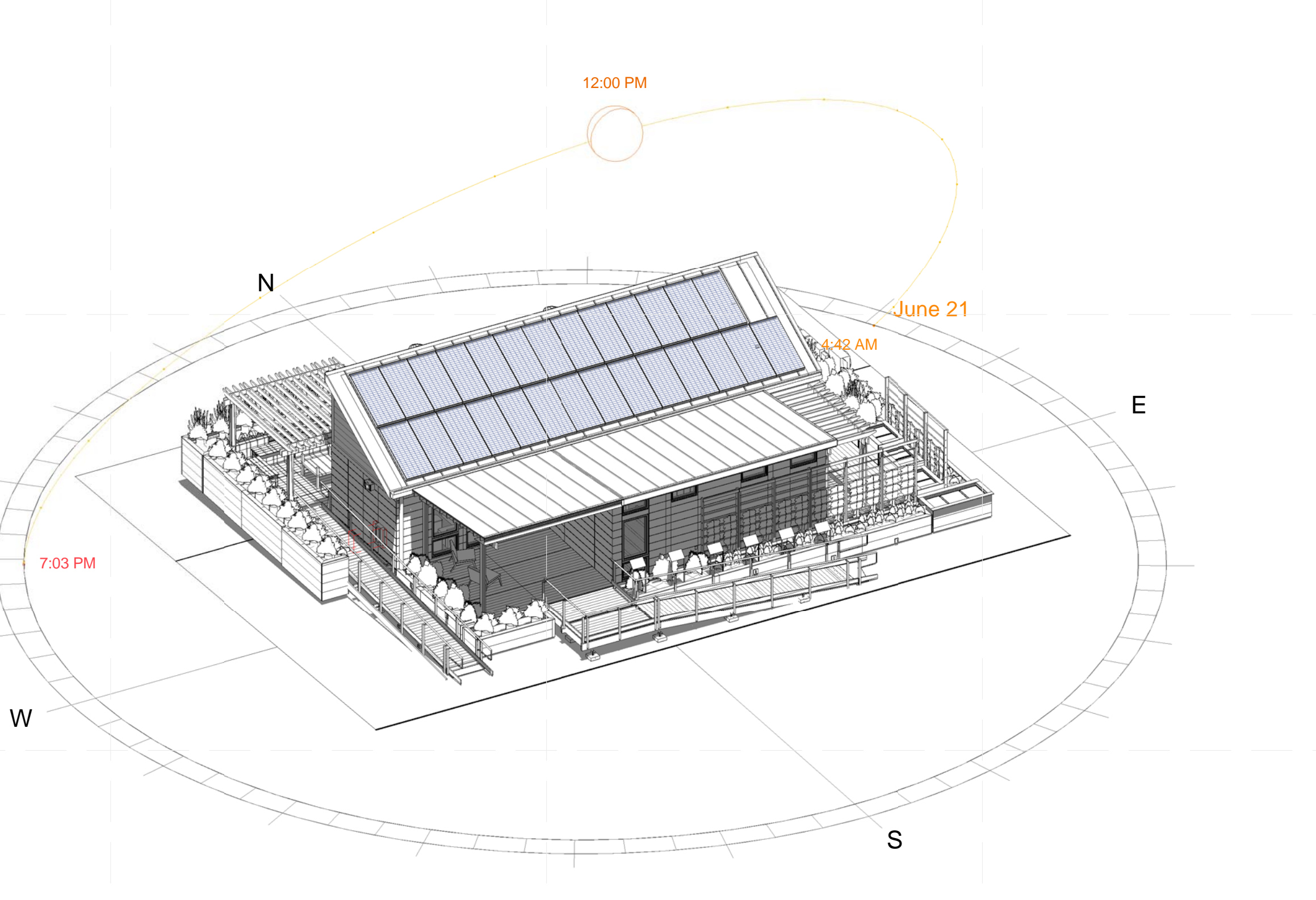
C1 DECEMBER 21 NW CORNER SHADOW STUDY @ NOON



C4 DECEMBER 21 SW CORNER SHADOW STUDY @ NOON



A1 JUNE 21 NW CORNER SHADOW STUDY @ NOON

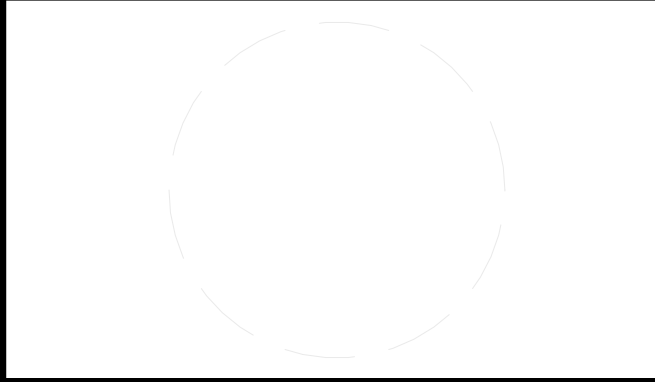


A4 JUNE 21 SW CORNER SHADOW STUDY @ NOON



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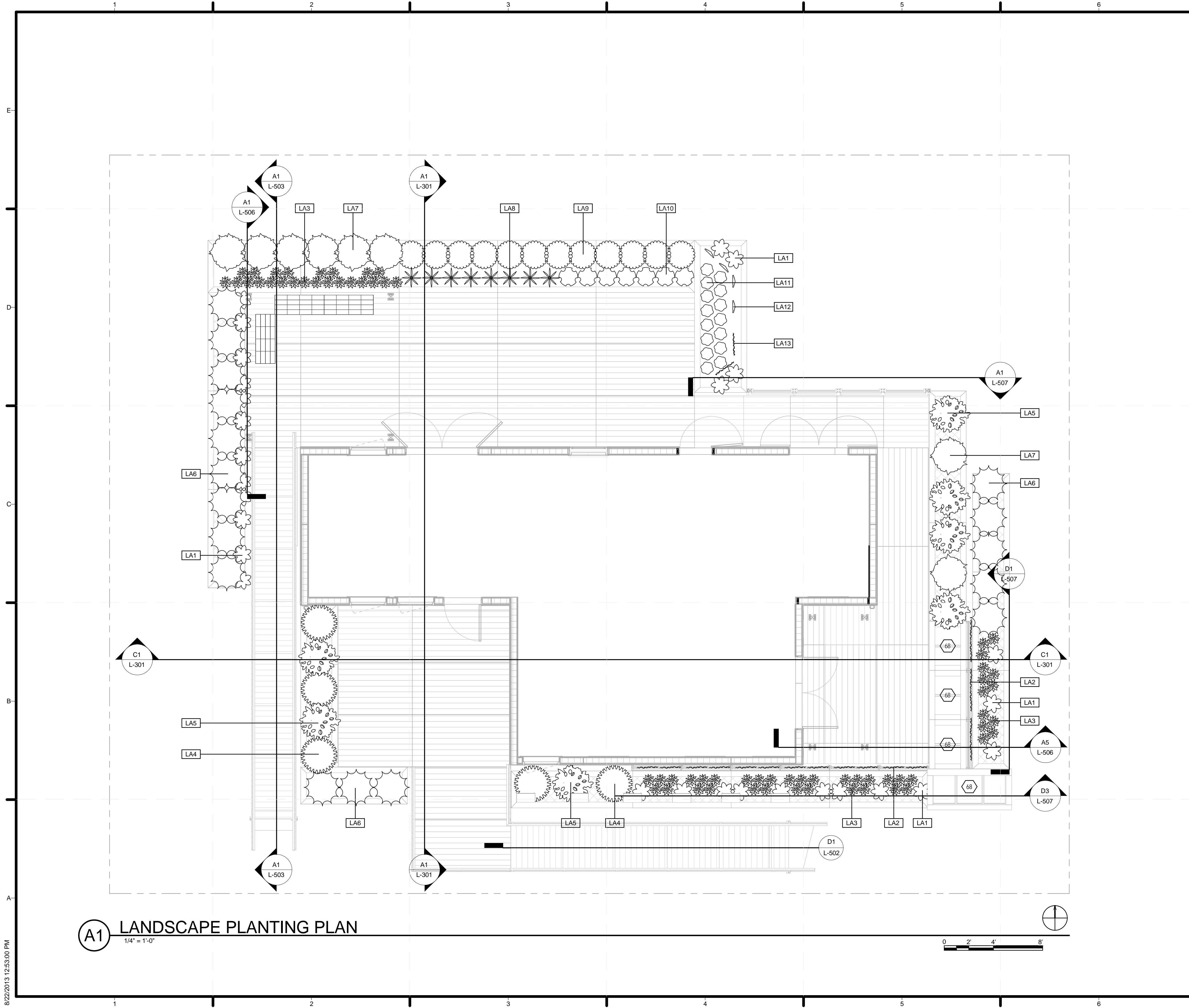
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SHEET TITLE
 SHADING DIAGRAMS

G-601



GENERAL SHEET NOTES

1. PLANTS ARE IN NURSERY POTS AND SUPPORTED ON DRAIN SHELF WITHIN PLANTER BOX.
2. WIRE MESH FALSE BOTTOM 3" BELOW TOP OF PLANTER TO HOLD MULCH THAT WILL COVER AND FILL BETWEEN POTTED PLANTS.

SHEET KEYNOTES

68 GREY WATER FILTRATION PONDS



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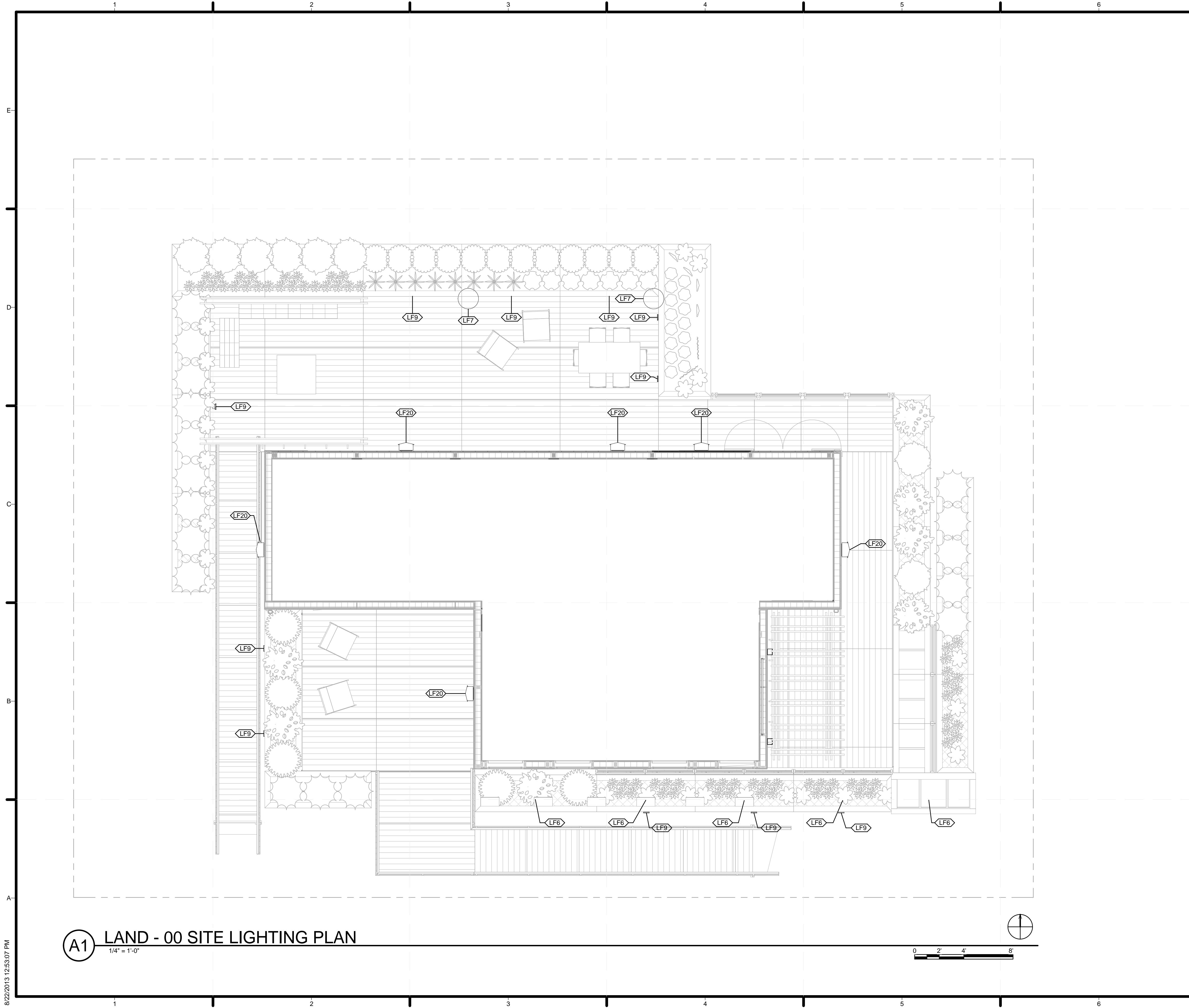
LOT NUMBER: 113
 DRAWN BY: ZACH KENDALL
 CHECKED BY: JAMIE OWENS
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SHEET TITLE
LANDSCAPE PLANTING PLAN

L-101

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

8/22/2013 12:53:00 PM



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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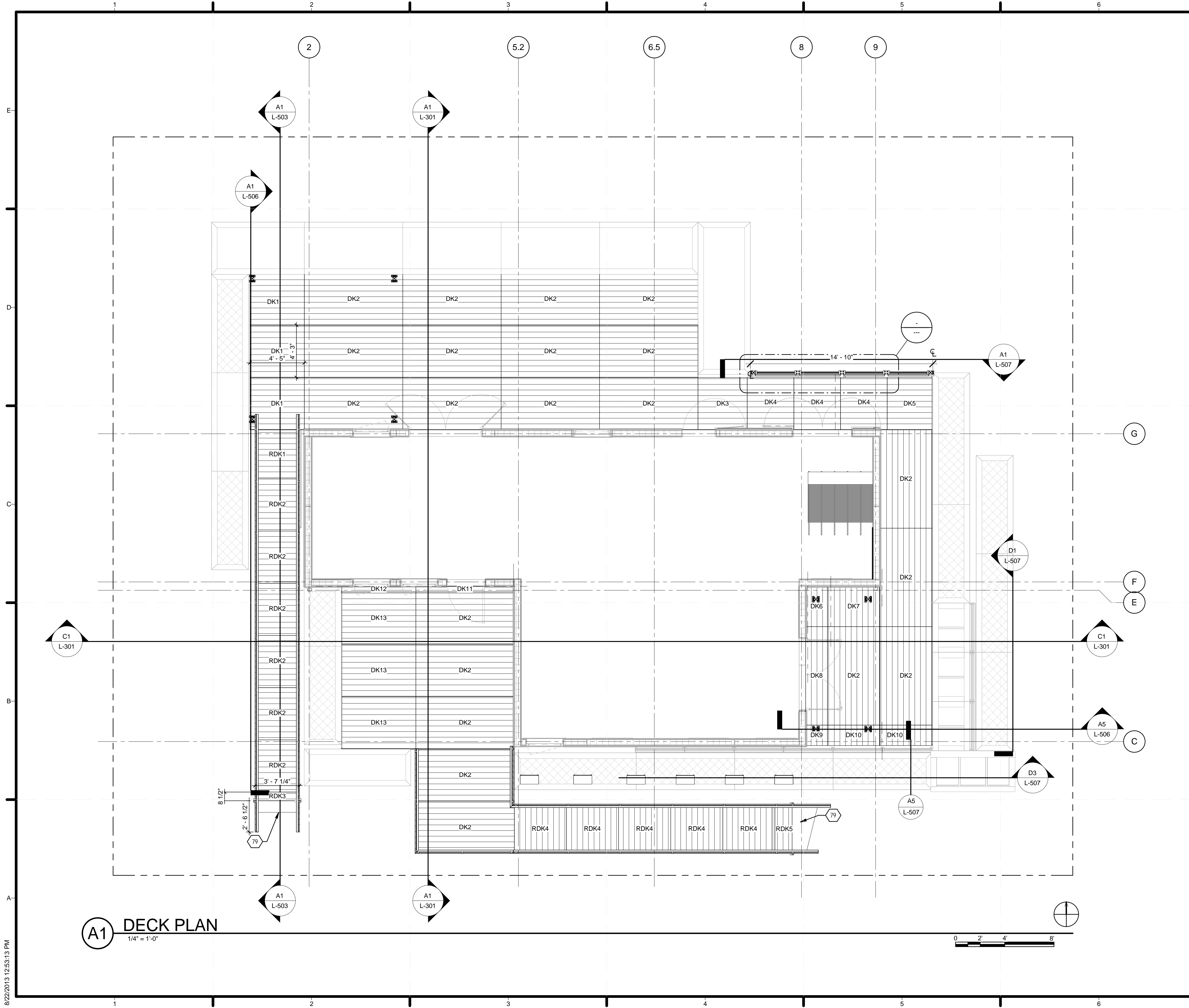
LOT NUMBER: 113
 DRAWN BY: COURTNEY BASILE
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SHEET TITLE
 SITE LIGHTING PLAN

L-103

A1 LAND - 00 SITE LIGHTING PLAN
 1/4" = 1'-0"

8/22/2013 12:53:07 PM



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

GENERAL SHEET NOTES

DECK BUILT IN PANELS, WOOD FRAMING

SHEET KEYNOTES

79 PREFABRICATED METAL TRANSITION RAMP



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SHEET TITLE
DECK PLAN

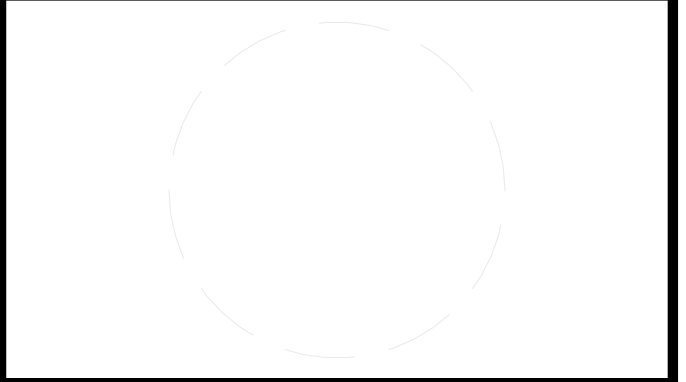
L-105

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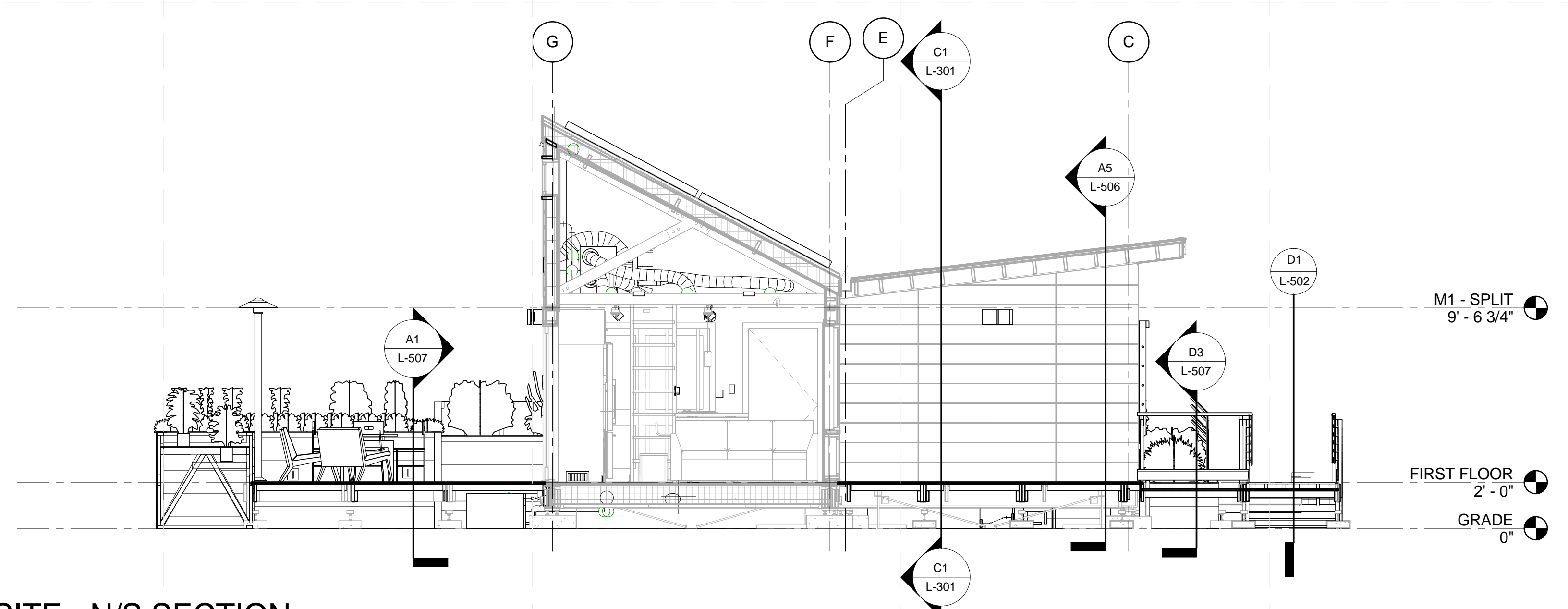
SHEET TITLE

SITE SECTIONS

L-301

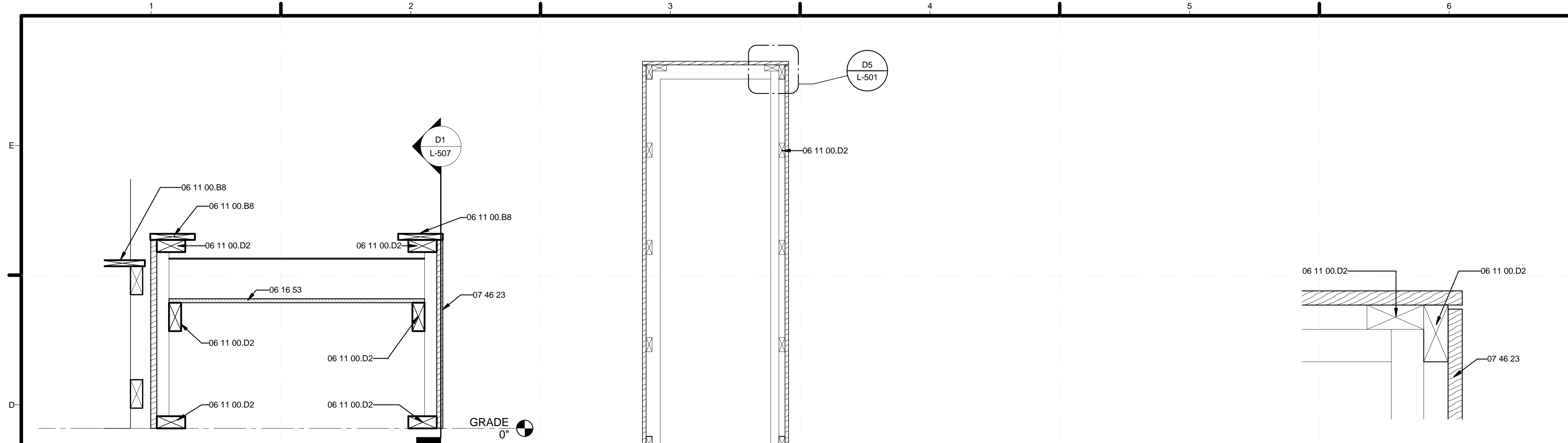


C1 SITE - E/W SECTION
 1/4" = 1'-0"



A1 SITE - N/S SECTION
 1/4" = 1'-0"

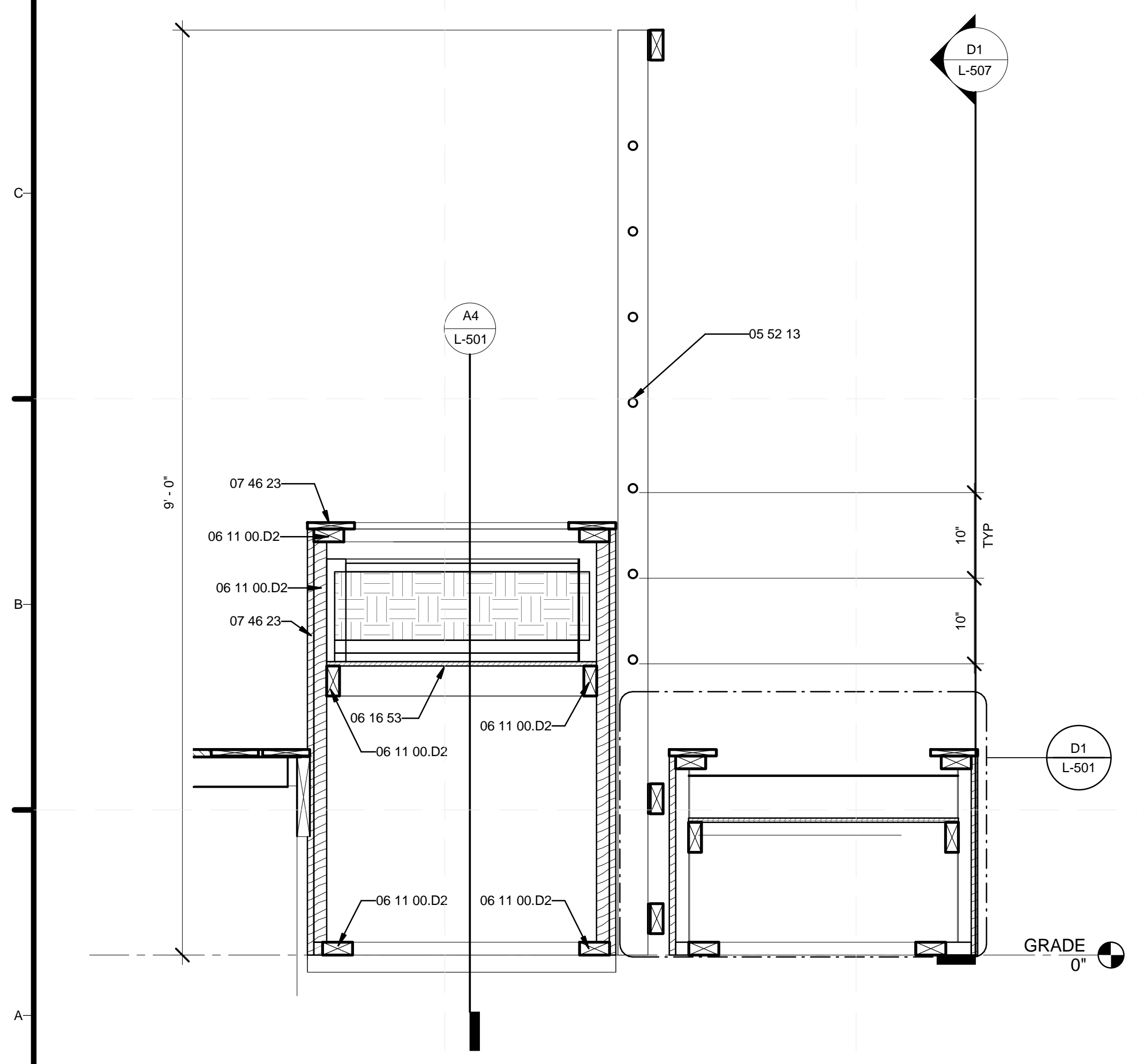
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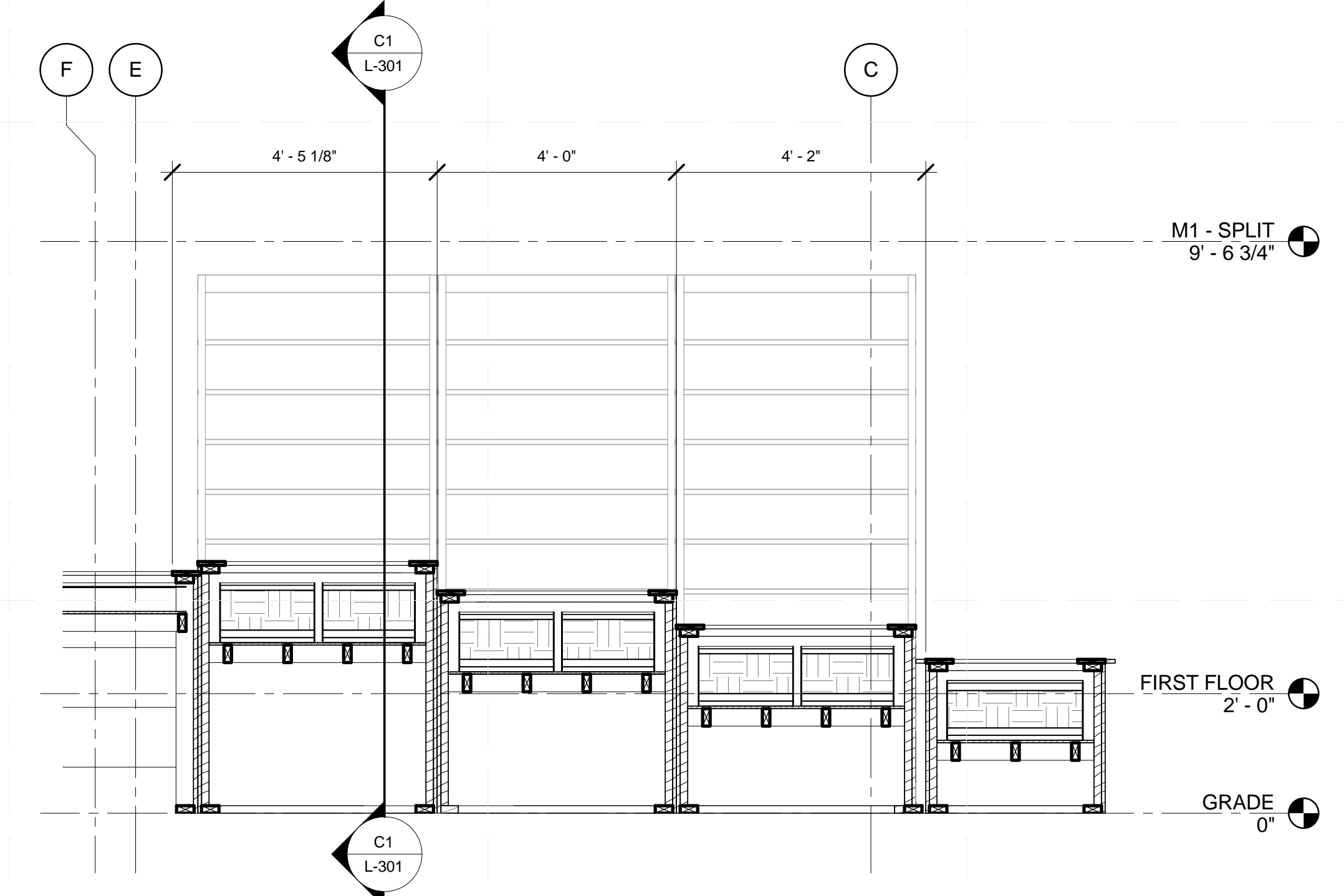
D1 PLANTER BOX DETAIL
1 1/2" = 1'-0"

D3 PLANTER BOX PLAN
3/4" = 1'-0"

D5 PLANTER BOX CORNER DETAIL
3" = 1'-0"



A1 GREEN WALL AND PLANTERS
1" = 1'-0"



A4 WATER FEATURE DETAIL
1/2" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 52 13	PIPE AND TUBE RAILINGS
06 11 00.B8	1X6
06 11 00.D2	TREATED 2X4
06 16 53	MOISTURE-RESISTANT SHEATHING BOARD
07 46 23	RECLAIMED WOOD SIDING

SHEET KEYNOTES



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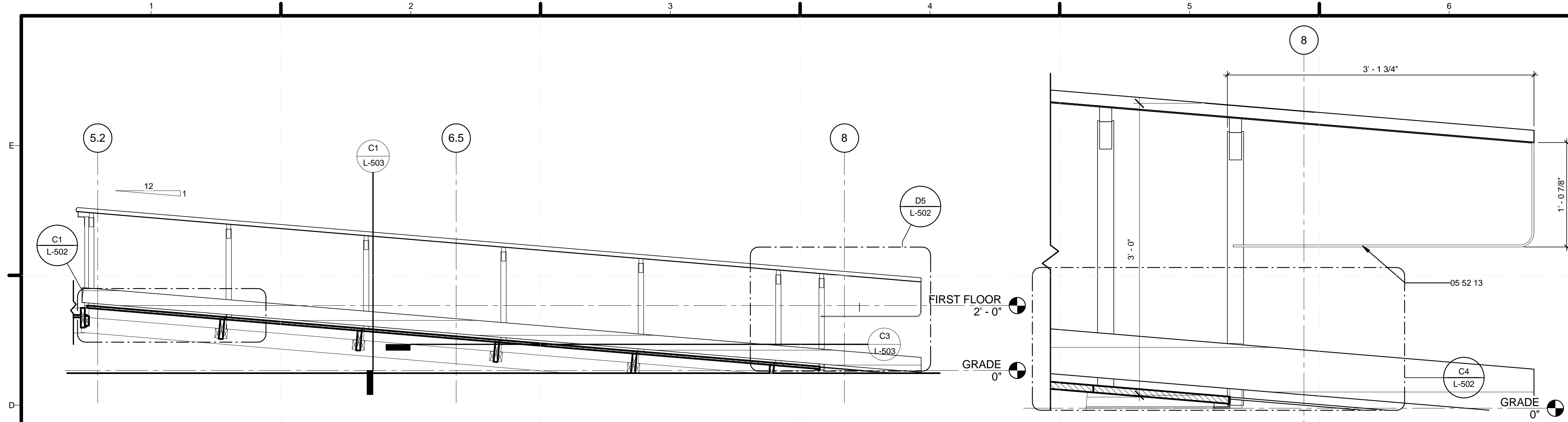
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SHEET TITLE

SITE DETAILS

L-501

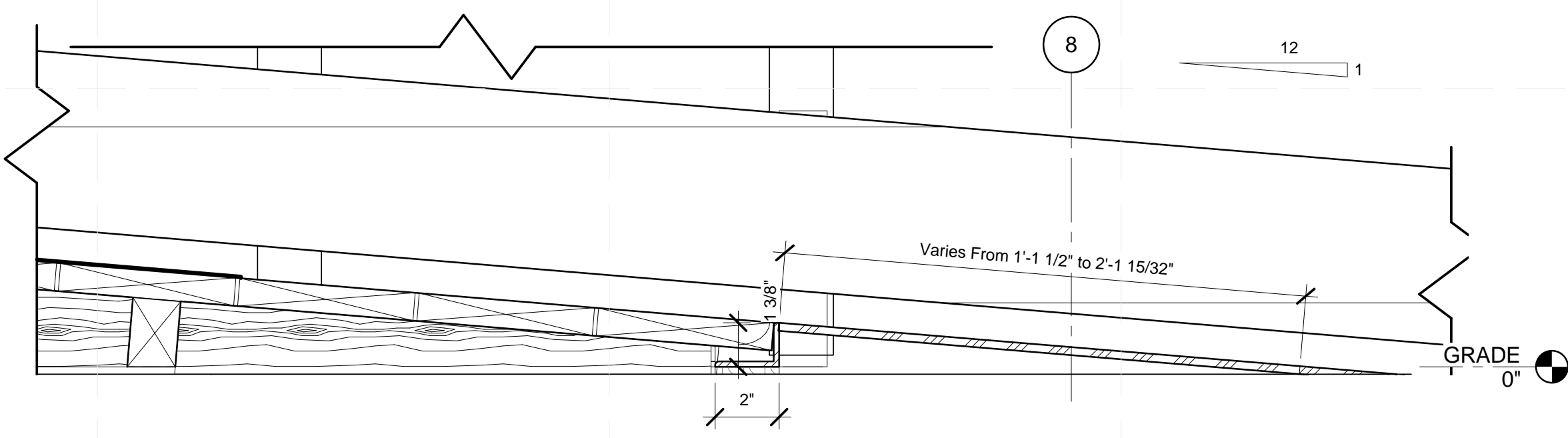


D1 ENTRANCE RAMP SOUTH SECTION
1/2" = 1'-0"
0 1' 2' 4'

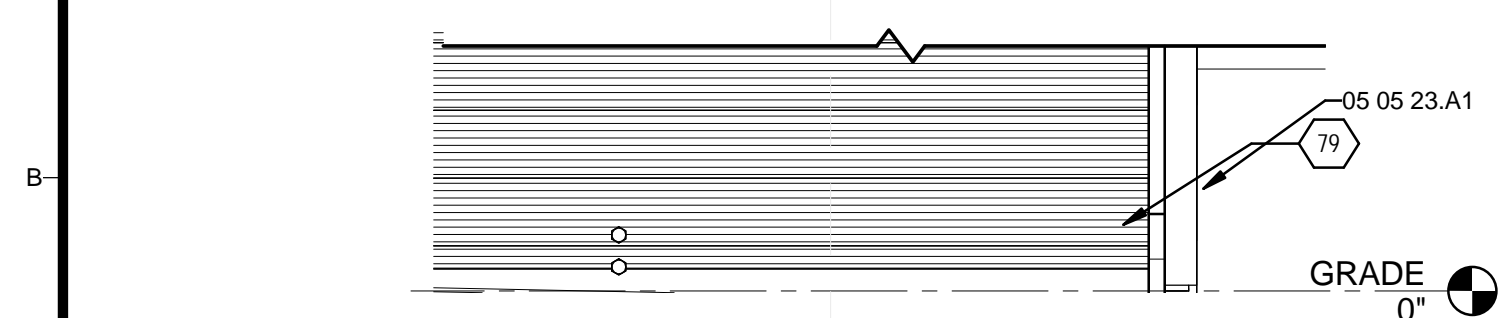
D5 ENTRANCE HANDRAIL RETURN
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



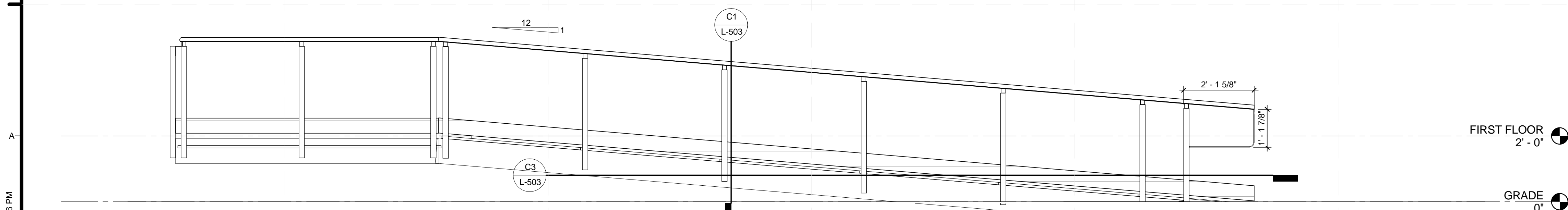
C1 ENTRANCE RAMP LEDGER DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



C4 ENTRANCE RAMP TRANSITION PLATE
3" = 1'-0"
0 3' 6' 1'



B1 ENTRANCE RAMP TRANSITION
1" = 1'-0"
0 1/2' 1' 2'



A1 SOUTH ENTRANCE RAMP ELEVATION
1/2" = 1'-0"
0 1' 2' 4'

GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 05 23.A1 1/2" A307 BOLT
05 52 13 PIPE AND TUBE RAILINGS
32 71 00 CONSTRUCTED WETLANDS

SHEET KEYNOTES

79 PREFABRICATED METAL TRANSITION RAMP



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RAMP DETAILS

L-502

GENERAL SHEET NOTES



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CONSULTANTS

REFERENCE KEYNOTES

- 06 05 23.D29 JOIST HANGER
- 06 11 00.D3 2X4 FRAMING
- 06 11 00.G1 2X8
- 06 11 00.H1 2X10
- 06 11 00.H11 2X10 STRINGER

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SHEET KEYNOTES

75 LANDSCAPE LIGHTING

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02	11/20/2012	DD RESUBMISSION
03	02/14/2013	CONSTRUCTION DOCUMENT
04	04/05/2013	CD RESUBMISSION
05	08/22/2013	AS-BUILT DRAWINGS

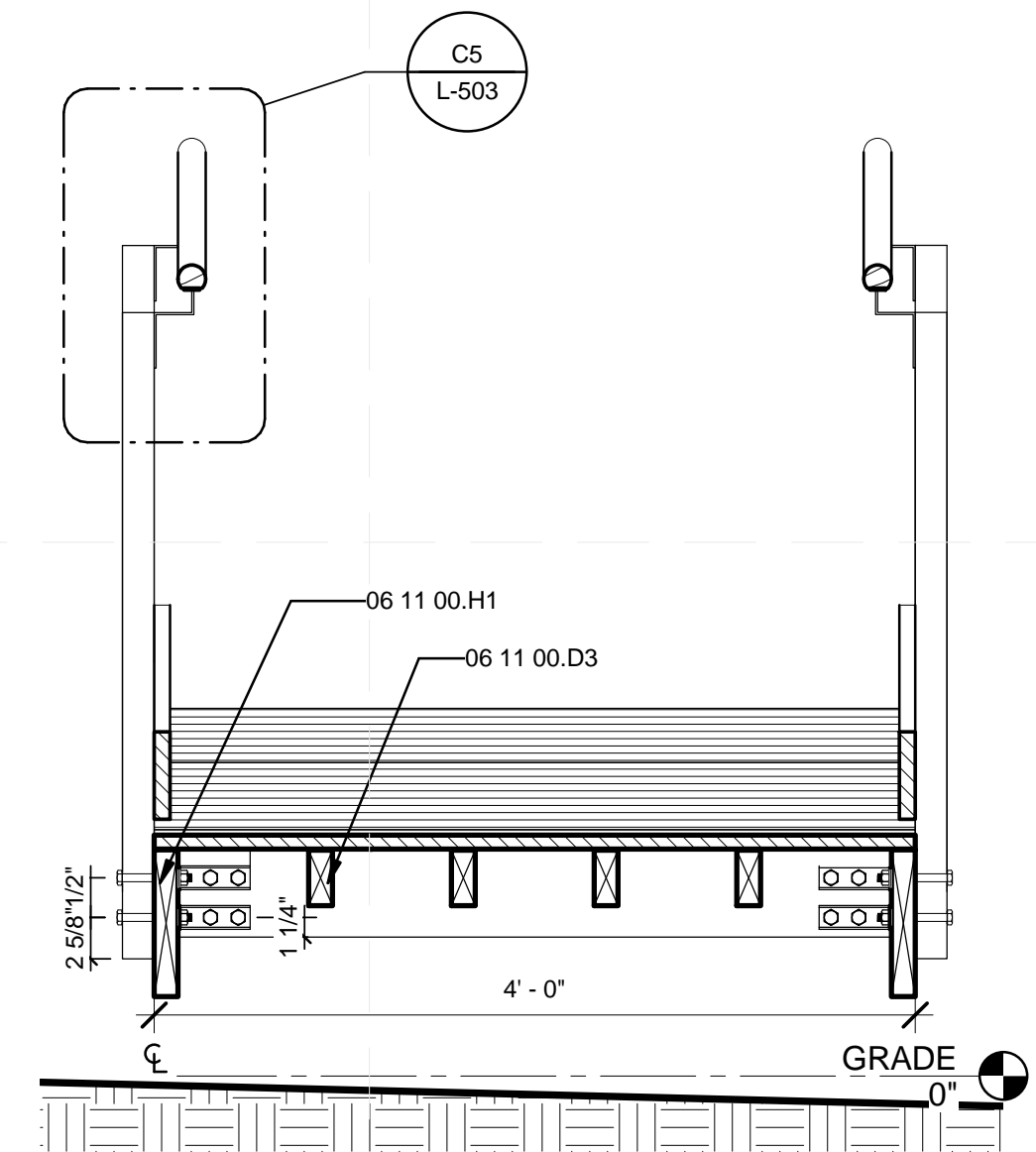
MARK DATE DESCRIPTION

LOT NUMBER: 113
 DRAWN BY: JESSE MCCLAIN
 CHECKED BY: JAMIE OWENS
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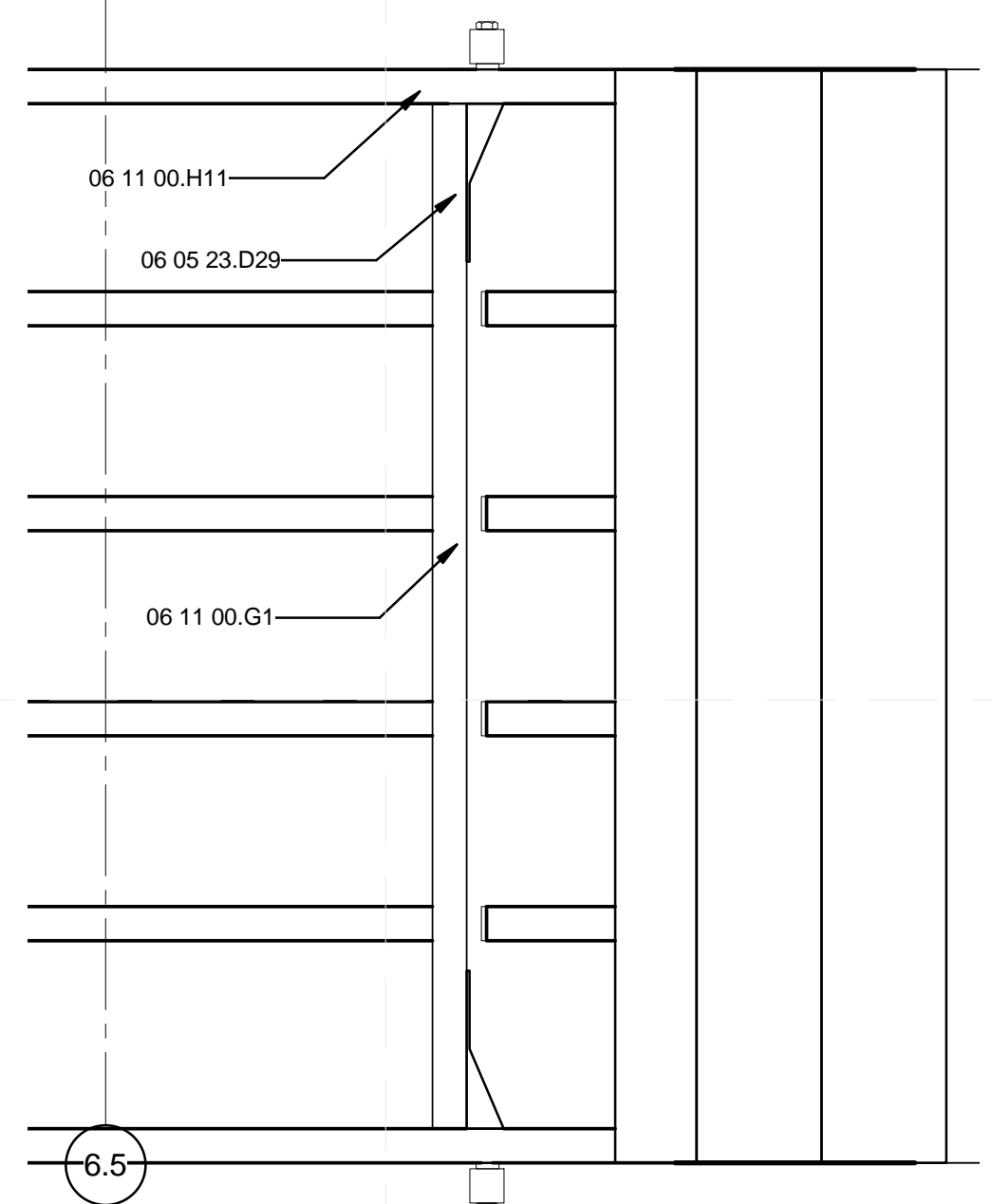
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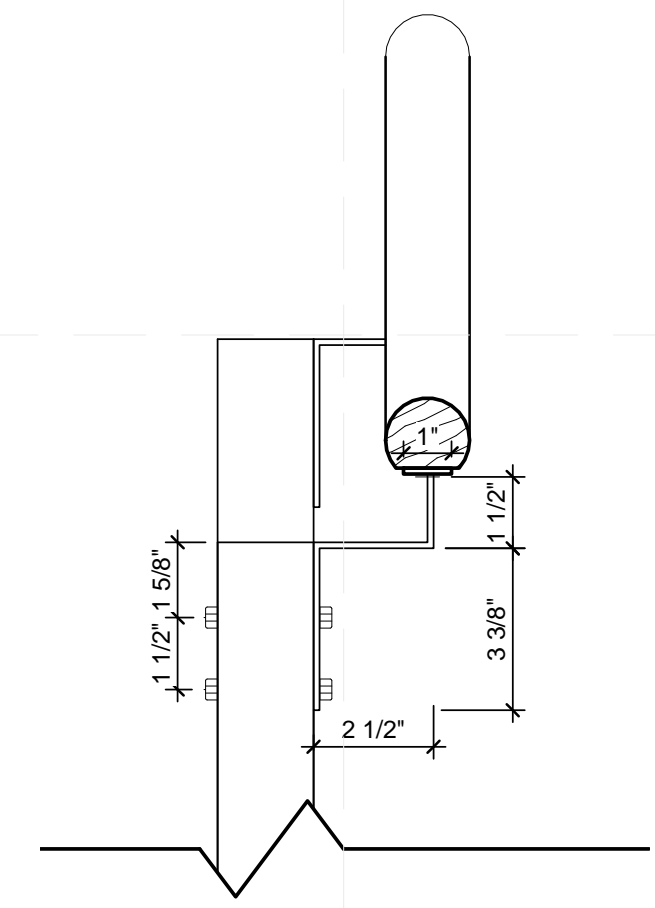
L-503



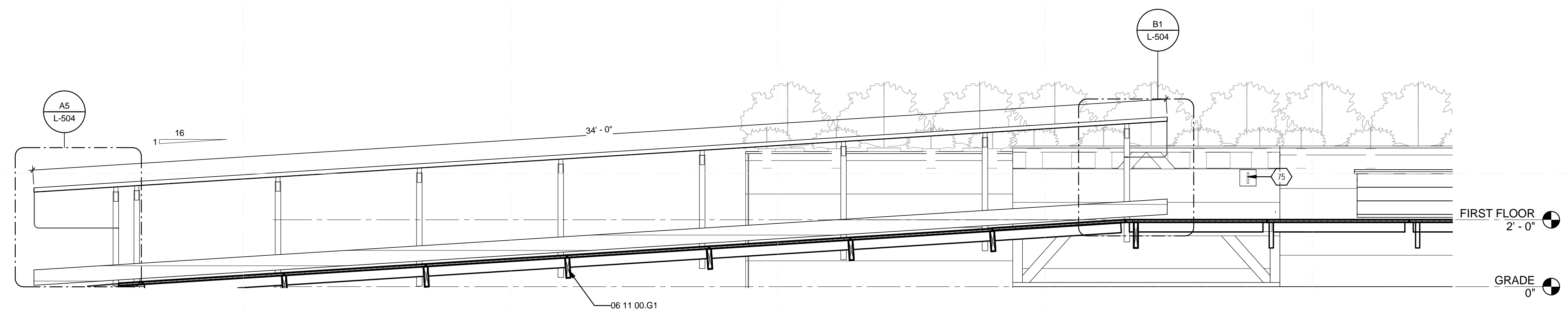
C1 GUARDRAIL AND STRINGER
 1" = 1'-0"



C3 RAMP CROSS MEMBER
 1 1/2" = 1'-0"



C5 POST HANDRAIL CONNECTION
 3" = 1'-0"



A1 EXIT RAMP AND PLANTERS
 1/2" = 1'-0"

GENERAL SHEET NOTES



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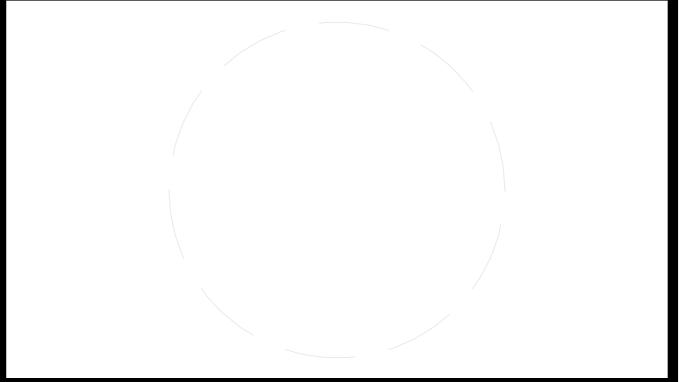
CONSULTANTS

REFERENCE KEYNOTES

- 05 05 23.A1 1/2" A307 BOLT
- 05 12 00 STRUCTURAL STEEL FRAMING
- 05 52 13 PIPE AND TUBE RAILINGS
- 06 05 23.L5 DTT2Z SIMPSON STRONG TIE
- 06 11 00.D12 2X4 LEDGER BOARD

SHEET KEYNOTES

- 79 PREFABRICATED METAL TRANSITION RAMP



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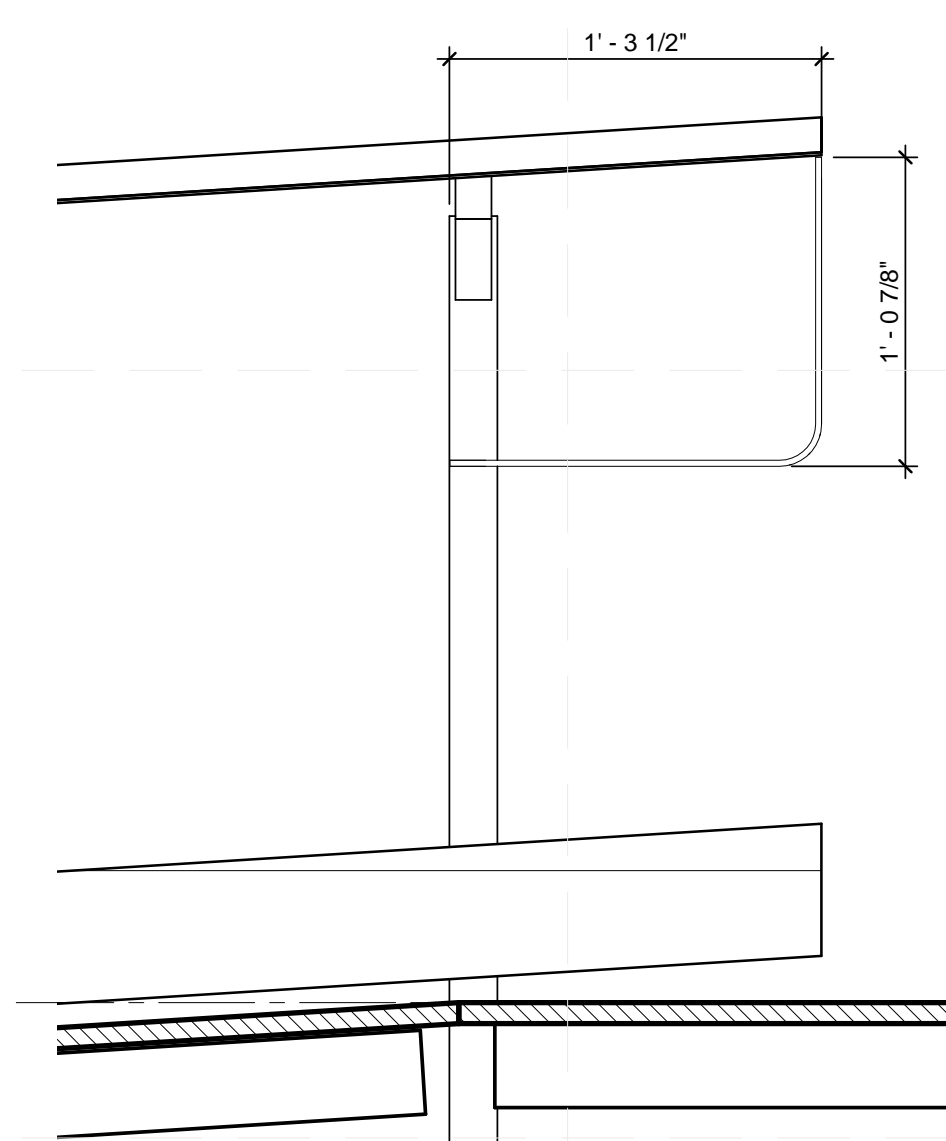


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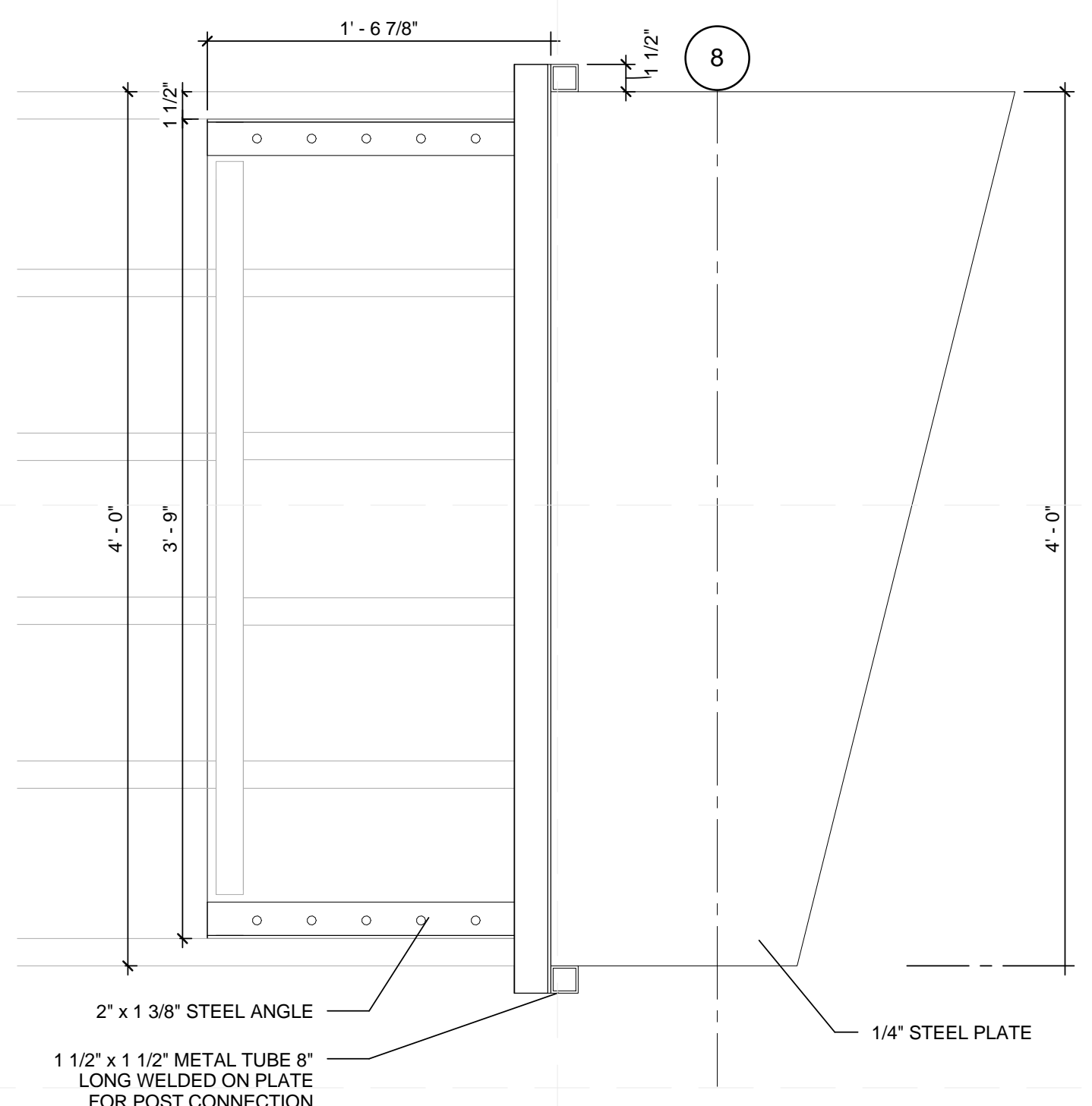
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LOT NUMBER:	113	
DRAWN BY:	JESSE MCCLAIN	
CHECKED BY:	JAMIE OWENS	
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SHEET TITLE
RAMP DETAILS

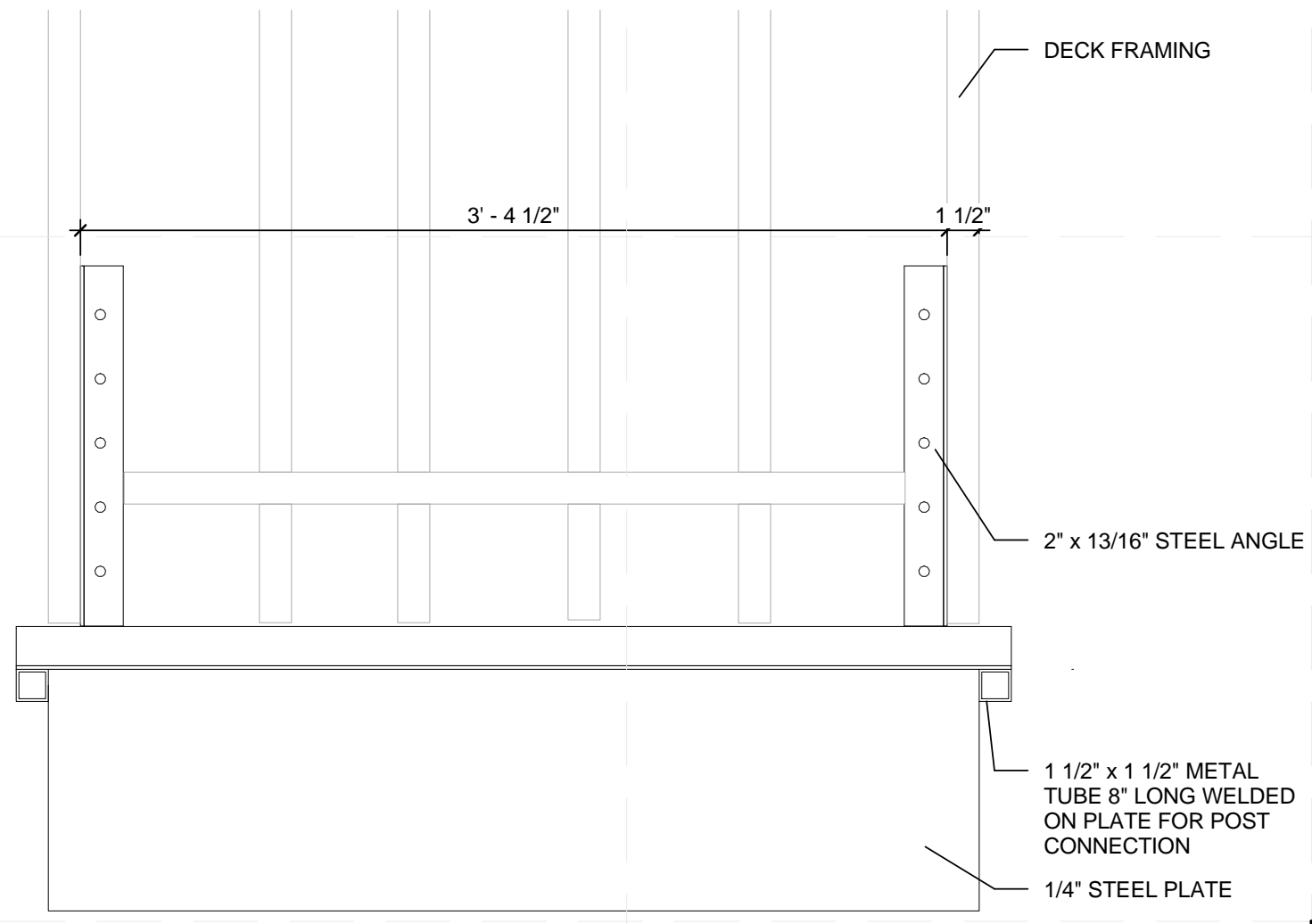
L-504



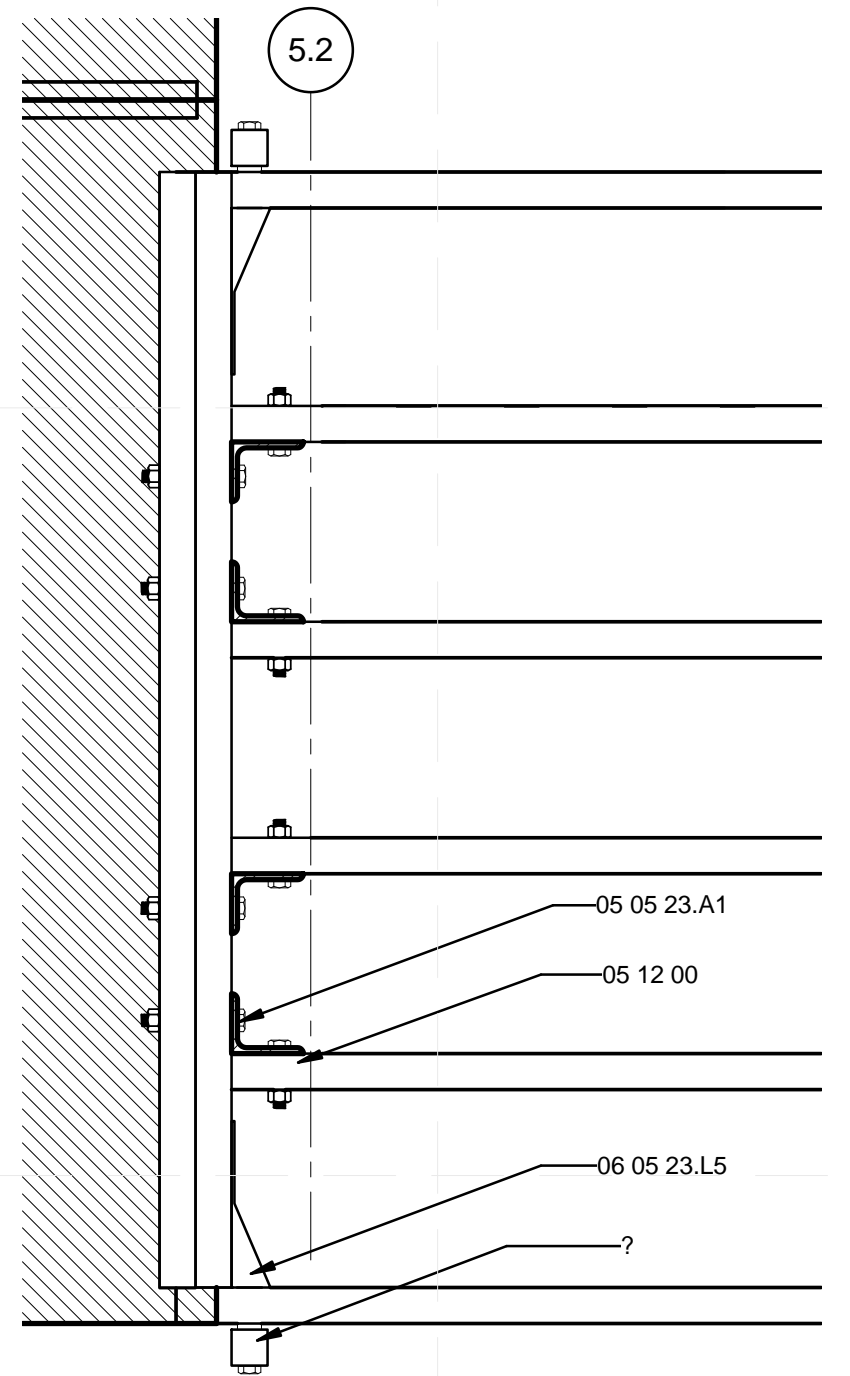
B1 EXIT RAMP LANDING
 1 1/2" = 1'-0"



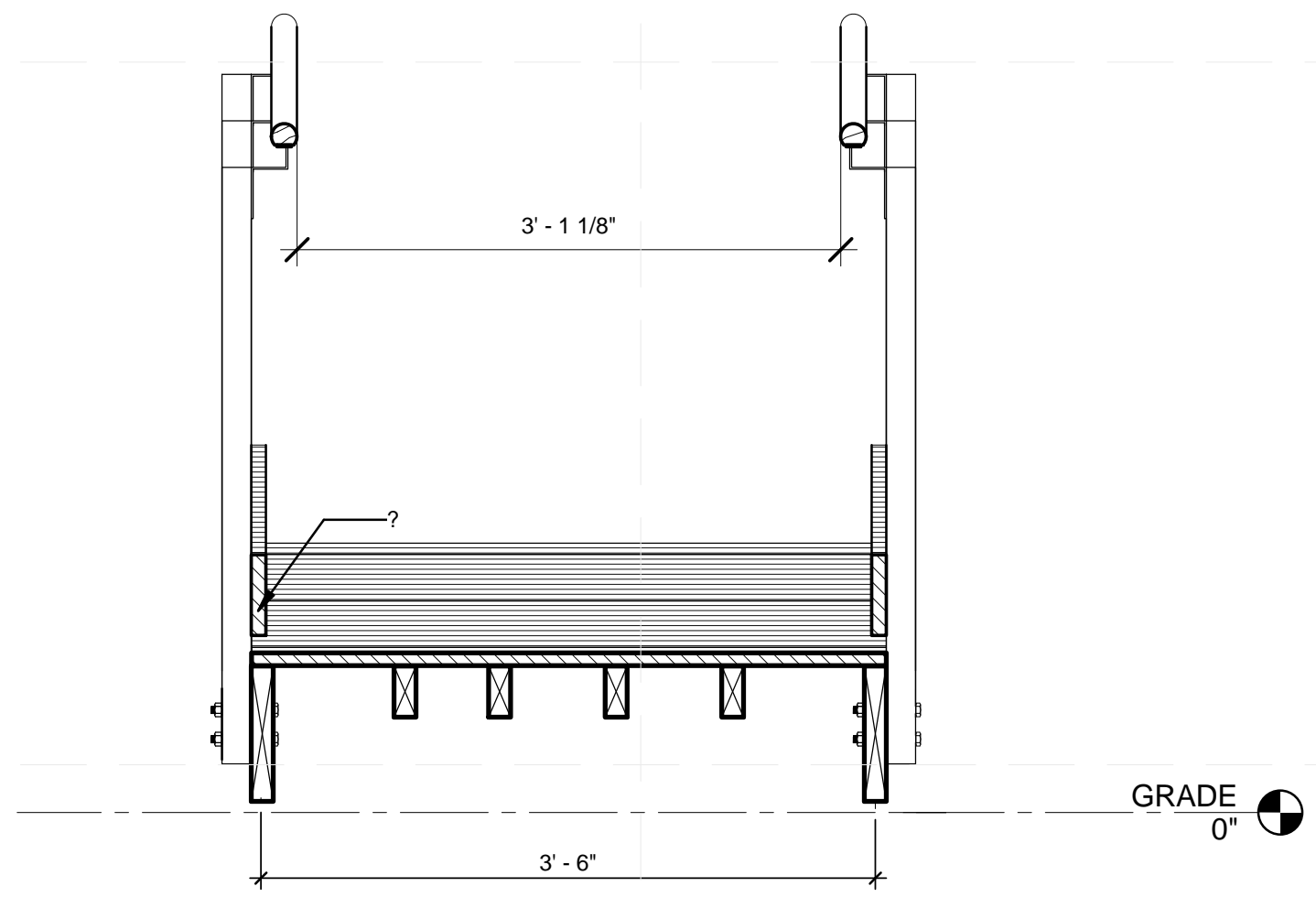
B3 ENTRANCE RAMP TRANSITION PLATE PLAN
 1 1/2" = 1'-0"



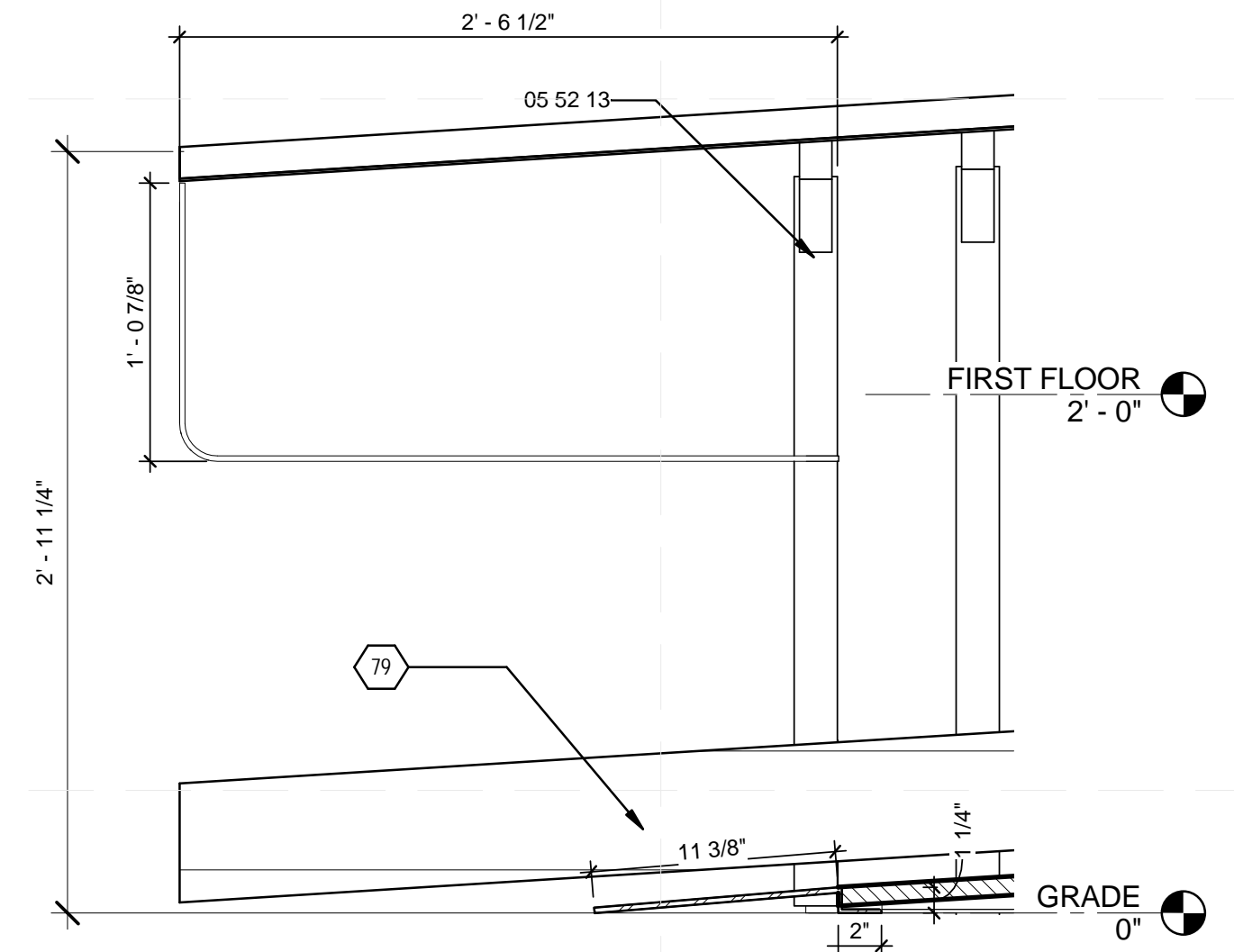
B5 EXIT RAMP TRANSITION PLATE PLAN
 1 1/2" = 1'-0"



A1 RAMP @ MAIN DECK
 1 1/2" = 1'-0"



A3 EXIT RAMP RAILINGS
 1" = 1'-0"



A5 EXIT RAMP TERMINATION
 1 1/2" = 1'-0"

GENERAL SHEET NOTES



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CONSULTANTS

REFERENCE KEYNOTES

- 05 05 23 METAL FASTENINGS
- 05 05 23.A1 1/2" A307 BOLT
- 05 52 13 PIPE AND TUBE RAILINGS
- 06 11 00.G1 2X8
- 06 11 00.H1 2X10
- 26 56 00 EXTERIOR LIGHTING

SHEET KEYNOTES

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SHEET TITLE

TRELLIS

L-506

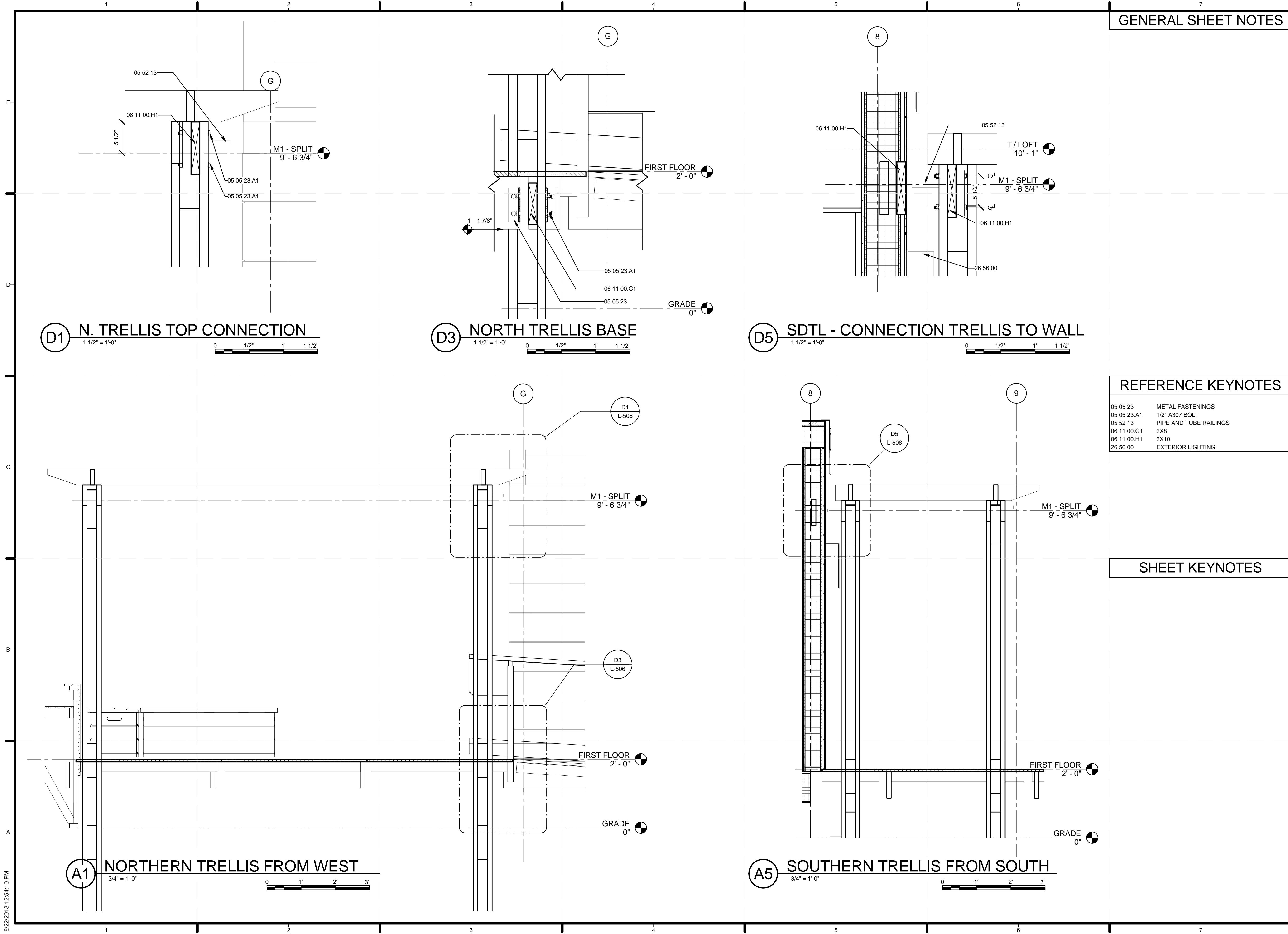
D1 N. TRELLIS TOP CONNECTION
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"

D3 NORTH TRELLIS BASE
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"

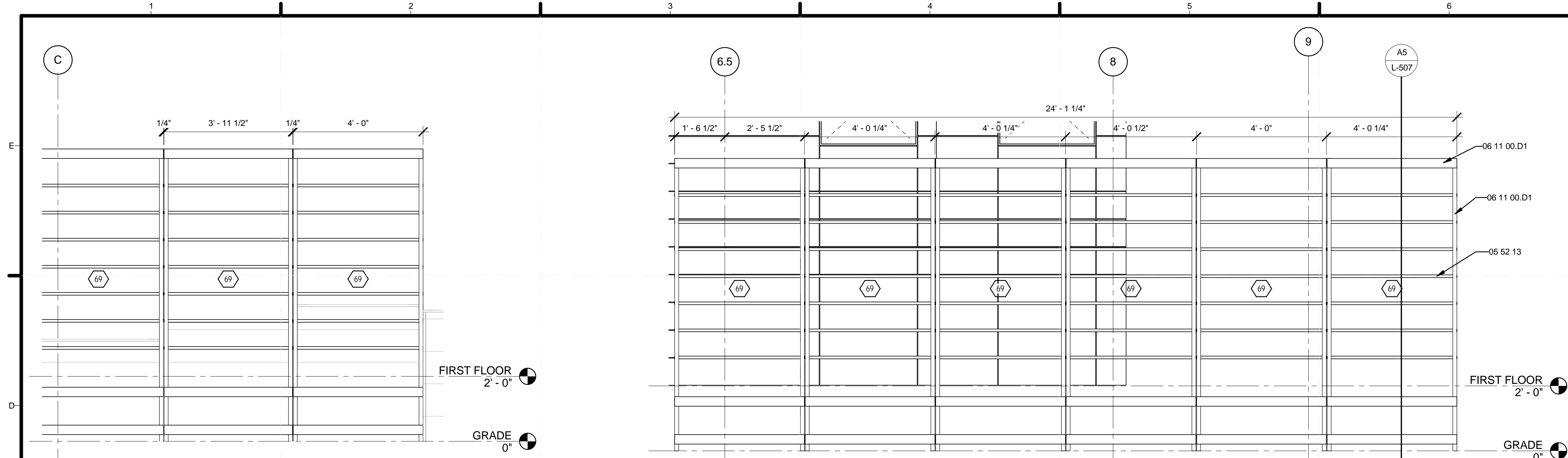
D5 SDTL - CONNECTION TRELLIS TO WALL
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"

A1 NORTHERN TRELLIS FROM WEST
 3/4" = 1'-0"
 0 1' 2' 3'

A5 SOUTHERN TRELLIS FROM SOUTH
 3/4" = 1'-0"
 0 1' 2' 3'

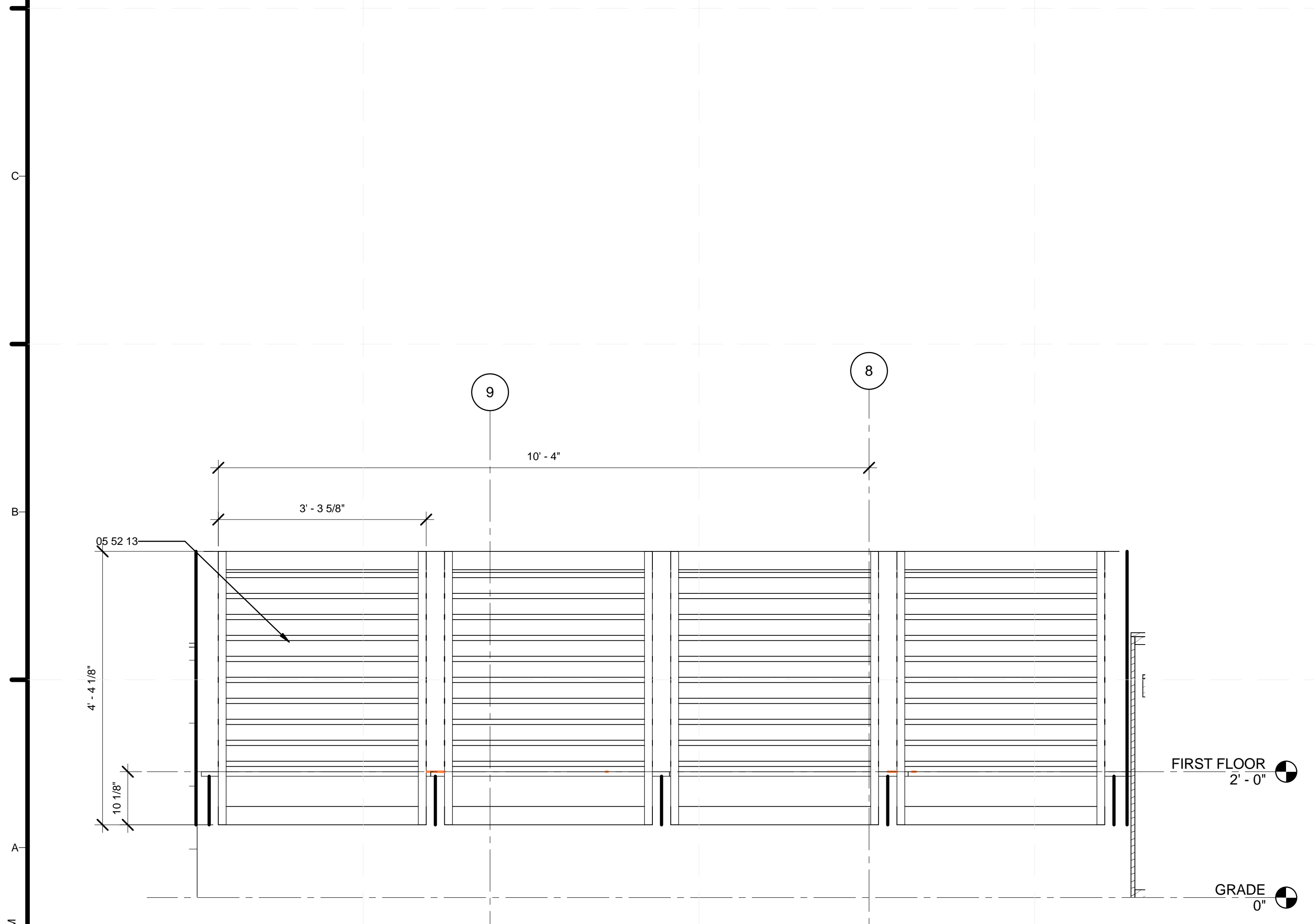


8/22/2013 12:54:10 PM

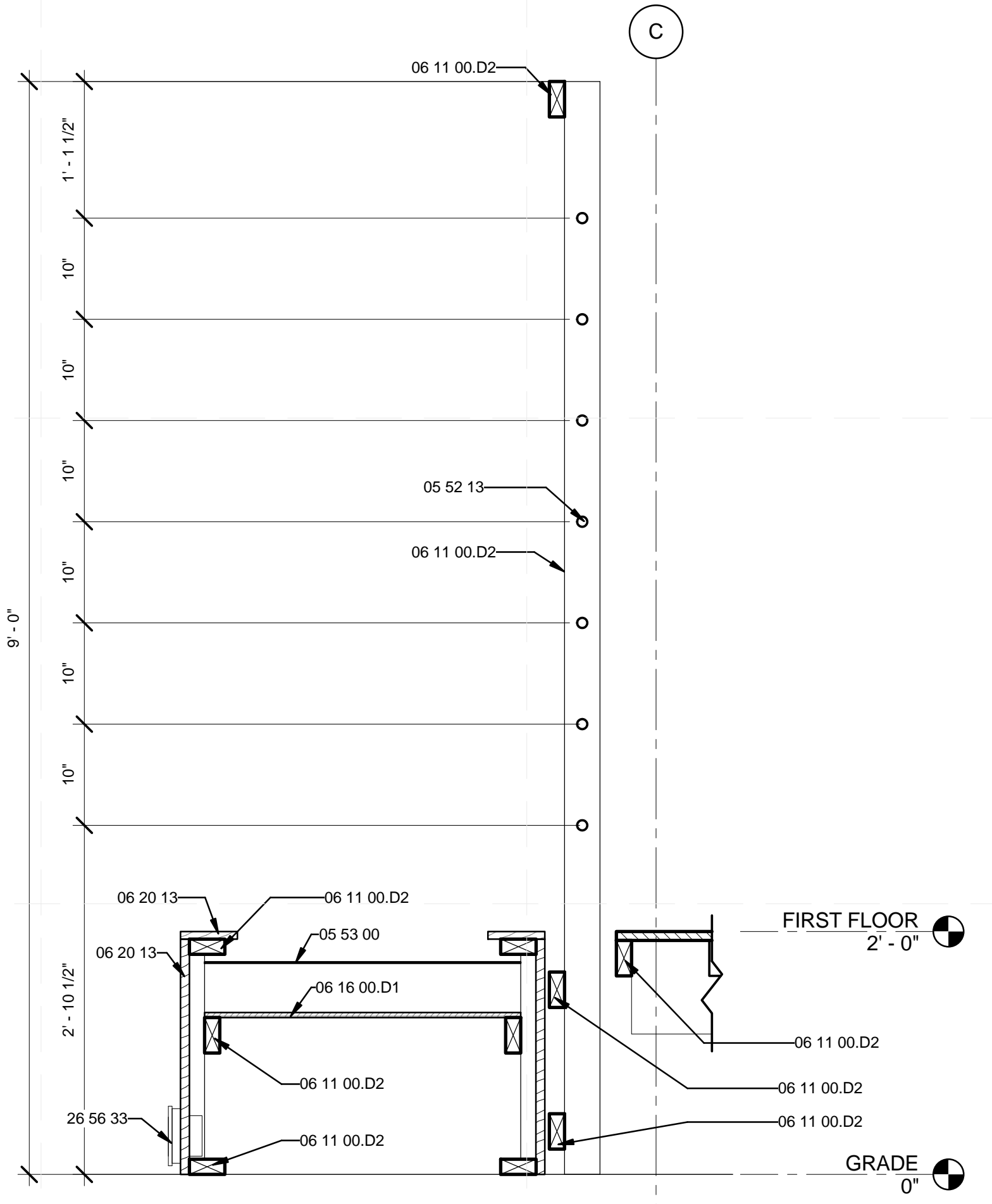


D1 EAST GREEN WALL
1/2" = 1'-0"
0 1' 2' 4'

D3 SOUTH GREEN WALL
1/2" = 1'-0"
0 1' 2' 4'



A1 NORTHERN RAILING
3/4" = 1'-0"
0 1' 2' 3'



A5 S. GREEN WALL @ PLANTER
1" = 1'-0"
0 1/2' 1' 2'

GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 52 13	PIPE AND TUBE RAILINGS
05 53 00	METAL GRATINGS
06 11 00.D1	2X4
06 11 00.D2	TREATED 2X4
06 16 00.D1	PLYWOOD SHEATHING
06 20 13	EXTERIOR FINISH CARPENTRY
26 56 33	WALKWAY LIGHTING

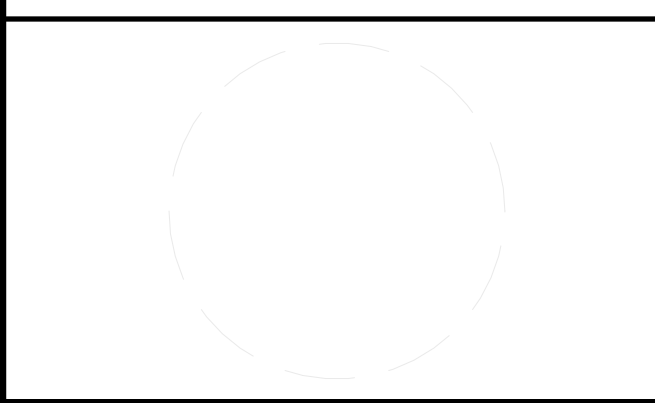
SHEET KEYNOTES

69	GREEN WALL
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05	08/22/2013	AS-BUILT DRAWINGS

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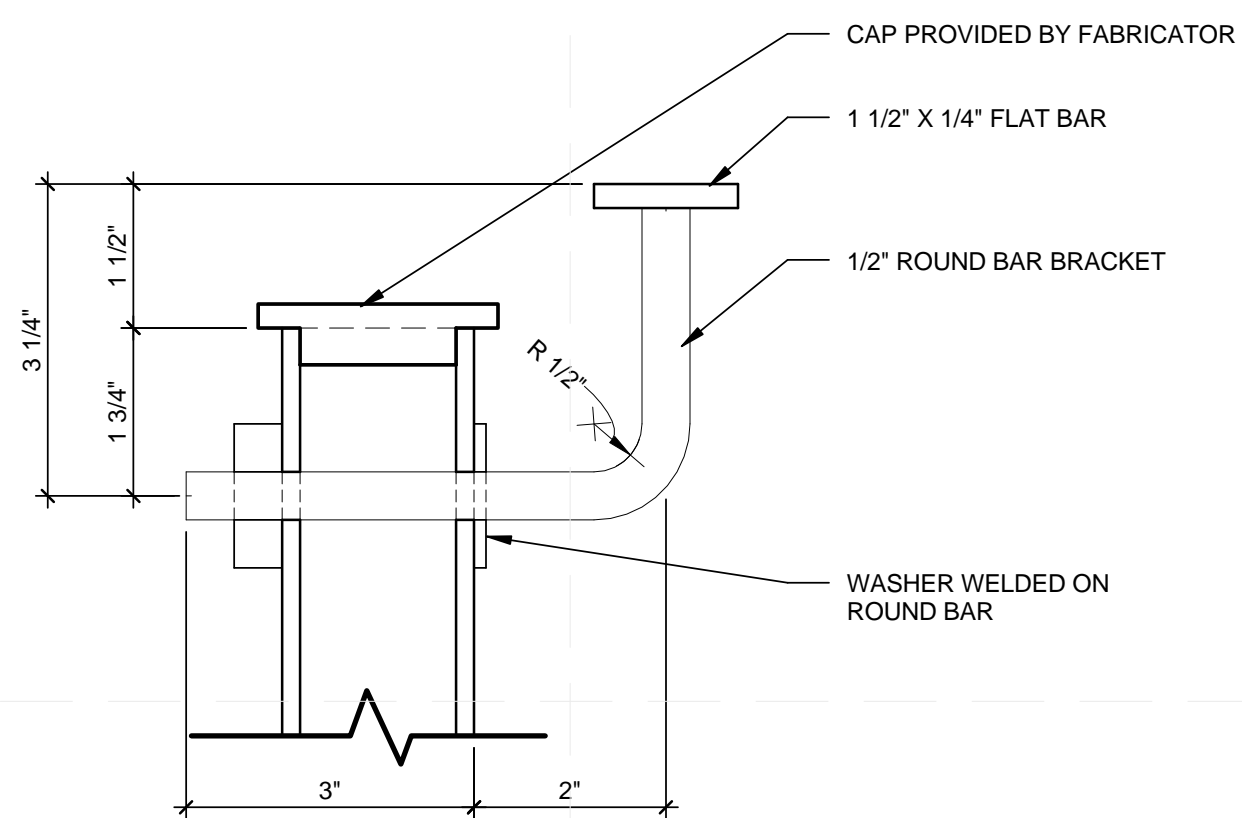
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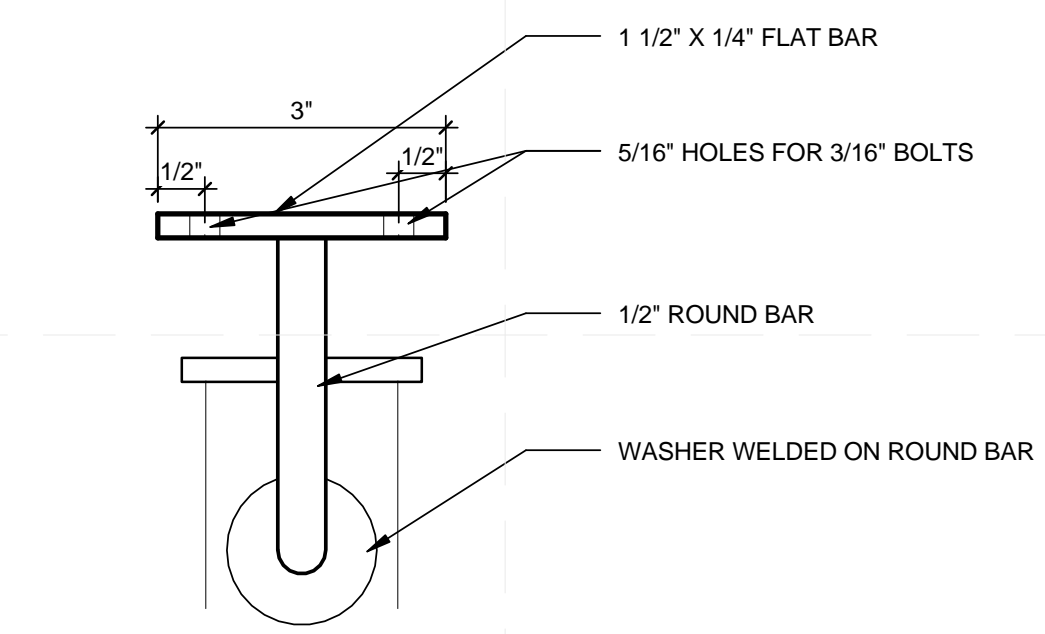
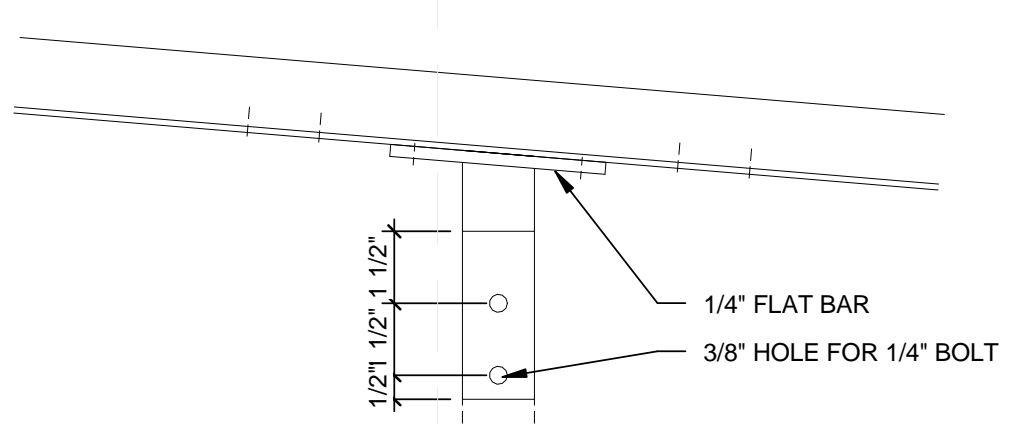
SHEET TITLE

GREEN WALL

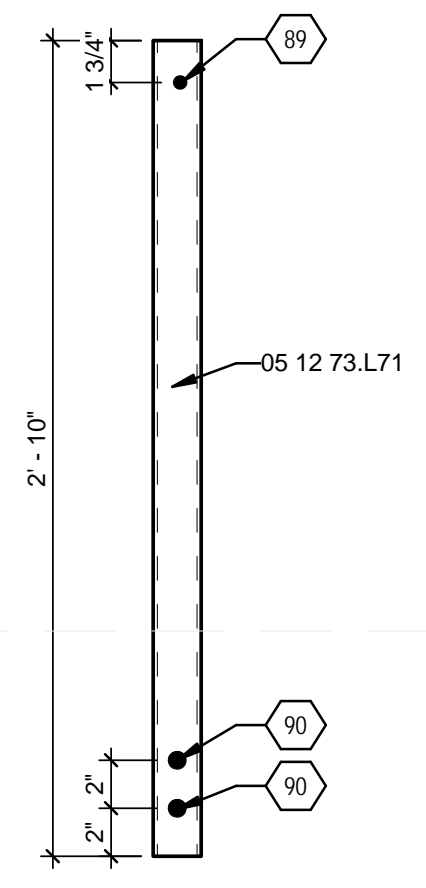
L-507



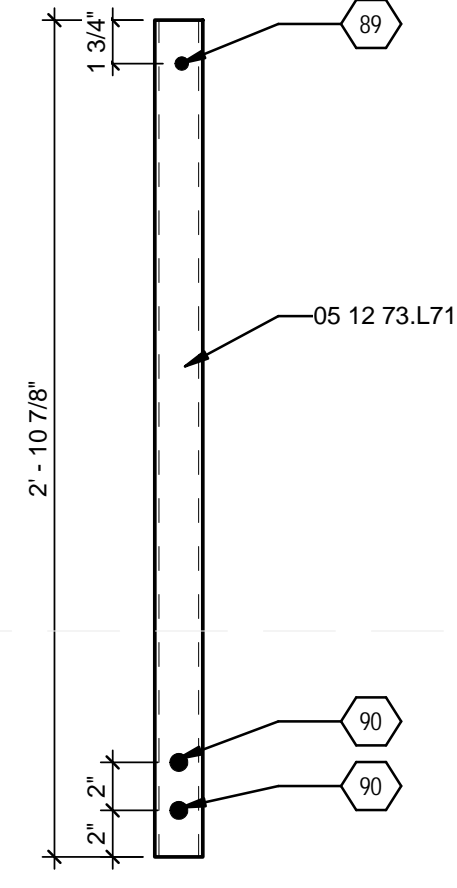
D3 TYPICAL BRACKET SECTION
6" = 1'-0"



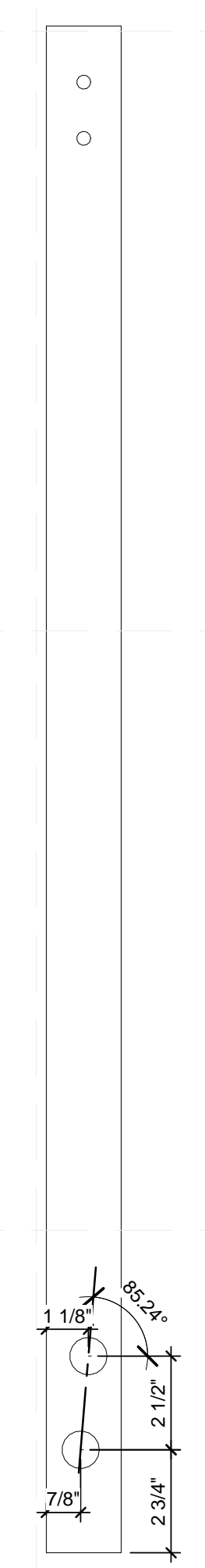
C3 FLAT BRACKET ELEVATION
6" = 1'-0"



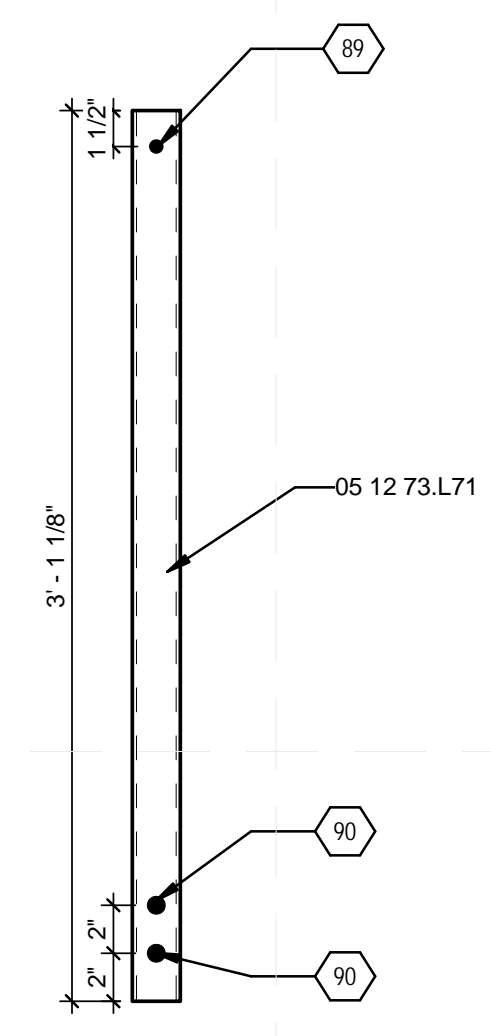
C5 2'-10" RAIL SQUARE TUBING
1 1/2" = 1'-0"



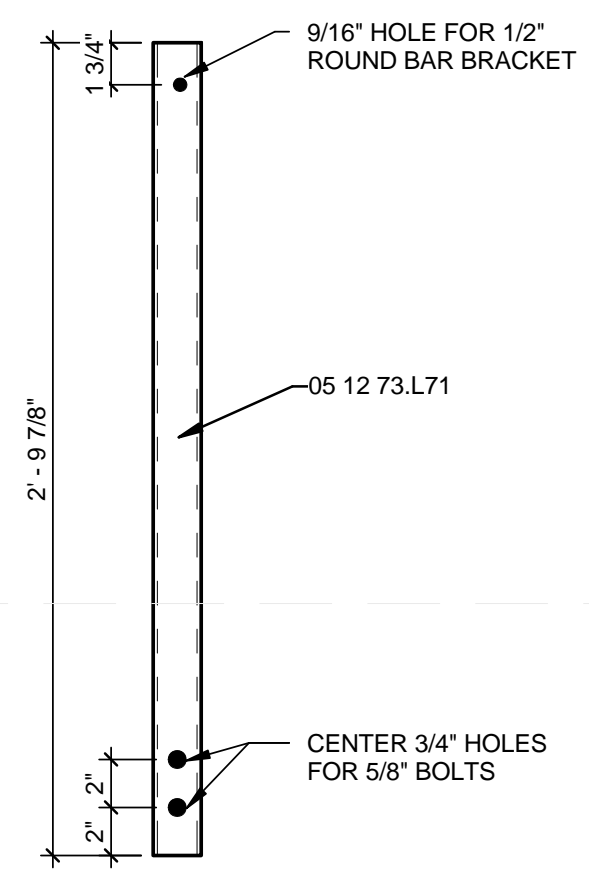
C6 2'-10 7/8" RAIL SQUARE TUBING
1 1/2" = 1'-0"



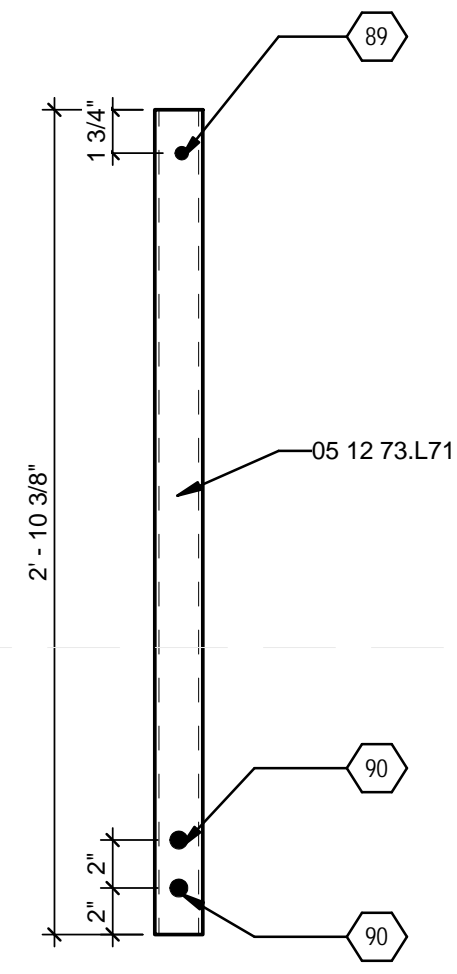
A1 RAILING SPLICE ASSEMBLY DETAIL
3" = 1'-0"



A3 ENTRANCE DECK RAIL SQUARE TUBING
1 1/2" = 1'-0"



A5 2'-9 7/8" RAIL SQUARE TUBING
1 1/2" = 1'-0"



A6 2'-10 3/8" RAIL SQUARE TUBING
1 1/2" = 1'-0"

REFERENCE KEYNOTES

05 12 73.L71 TS2X2X0.1875

SHEET KEYNOTES

89 9/16" HOLE FOR 1/2" ROUND BAR BRACKET
90 CENTER 3/4" HOLES FOR 5/8" BOLTS



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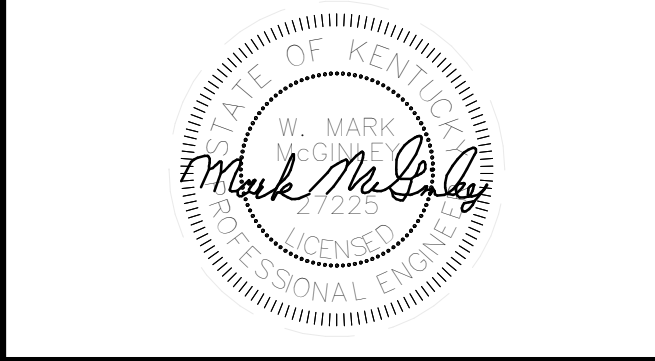
RAMP DETAILS

L-509



TEAM NAME: TEAM KENTUCKIANA
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SHEET TITLE
**STRUCTURAL NOTES
 AND SYMBOLS**

S-001

GENERAL NOTES

THESE GENERAL NOTES ARE TO BE USED AS A SUPPLEMENT TO THE SPECIFICATIONS AND APPLY TO ALL STRUCTURAL COMPONENTS OF THE BUILDING AND FOUNDATION. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THE SPECIFICATIONS, THESE GENERAL NOTES AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER OF RECORD, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY, BUT PRIOR TO CORRECTION OF SUCH DISCREPANCY, SHALL BE DONE AT THE CONTRACTOR'S RISK. THE CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL BRACING AND SHORING DURING CONSTRUCTION.

CODES

ALL METHODS, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE U.S. DEPARTMENT OF ENERGY SOLAR DECATHLON 2013 BUILDING CODE.

ALL REFERENCE TO OTHER CODES AND STANDARDS; (IRC, ACI, ASCE 7, ETC.) SHALL BE FOR THE LATEST OR MOST CURRENT EDITION AVAILABLE.

DESIGN

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE STRUCTURAL PROVISIONS OF THE INTERNATIONAL RESIDENTIAL CODE, 2012 EDITION.

DESIGN LIVE LOADS

- GROUND SNOW LOAD = 20 PSF
- TOTAL FLOOR DEAD LOAD = 21 PSF
- FLOOR LIVE LOAD = 50 PSF
- EGRESS LIVE LOAD = 100 PSF
- PAVEMENT BEARING = 6000 PSF

WOOD FRAMING LUMBER GRADING

MOISTURE CONTENT SHALL BE 19% MAXIMUM. LOAD BEARING AND EXTERIOR STUDS AND PLATES SHALL BE OF GRADE SOUTHERN PINE #2 OR BETTER, UNLESS NOTED OTHERWISE. JOISTS AND HEADERS SHALL BE OF GRADE SOUTHERN PINE #2 OR BETTER, UNLESS NOTED OTHERWISE. PLYWOOD SHEATHING SHALL BE APA GRADE TRADEMARK PLYWOOD WITH NOMINAL THICKNESS AS SHOWN ON DRAWINGS. ROOF AND FLOOR SHEATHING SHALL BE NAILED WITH 8D COMMON NAILS AT 6" O/C, ALONG EDGES AND AT 10" O/C, ALONG INTERMEDIATE FRAMING MEMBERS, UNLESS NOTED OTHERWISE. BOUNDARY NAILING TO BE 8D COMMON NAILS AT 6" O/C, UNLESS NOTED OTHERWISE. ROOF AND FLOOR SHEATHING NAILING AT WALLS SHALL BE THE SAME AS SHEAR WALL NAILING. ALL FLOOR, ROOF, AND SHEAR WALLS REQUIRE 4" X 8" STRUCT I SHEATHING. AT EDGES OF DIAPHRAGMS WHERE PLYWOOD SHEETS MAY BE LESS THAN 24", PLYWOOD SHEETS SHALL BE FULLY BLOCKED AROUND ENTIRE PIECE AND NAILED WITH 8D COMMON NAILS AT 6" O/C UNLESS NOTED OTHERWISE.

WOOD FRAMING DETAILS, NOT SHOWN OTHERWISE, SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE IRC AND SHALL CONFORM TO TABLE 602.3(1) FASTENING SCHEDULE OF THE IRC.

NOTATIONS ON DRAWINGS RELATING TO FRAMING CLIPS, JOIST HANGER AND OTHER CONNECTING DEVICES REFER TO CATALOG NUMBERS MANUFACTURED BY SIMPSON STRONG TIE COMPANY, SAN LEANDRO CA. ALL SIMPSON HANGERS USED IN EXTERIOR APPLICATIONS SHALL BE PROVIDED WITH "Z-MAX" GALVANIZING, WHEN AVAILABLE, OR SHALL BE "HOT DIPPED GALVANIZED". STAINLESS STEEL NAILS SHALL BE PROVIDED FOR ALL SIMPSON HANGERS USED IN ALL EXTERIOR APPLICATIONS. THE FOLLOWING STAINLESS STEEL NAILS, AS MANUFACTURED BY SIMPSON, SHALL BE PROVIDED: 8D = SS8D, 10D = SS10D, 16D = SS16D. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED PROVIDED THEY HAVE ICBO APPROVAL FOR EQUAL LOAD CAPACITY.

PRESSURE TREATED WOOD PRESERVATIVE TREATMENT

ALL LUMBER AND PLYWOOD REQUIRED TO BE PRESERVATIVE TREATED SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH IRC SECTION R317 TO BEAR THE FDN GRADE MARK. EACH PIECE OF TREATED LUMBER AND PLYWOOD SHALL BEAR AN APPROVED QUALITY MARK OR THAT OF AN APPROVED INSPECTION AGENCY WHICH MAINTAINS CONTINUING SUPERVISION, TESTING AND INSPECTION OVER THE QUALITY OF THE PRODUCT, AS DESCRIBED IN THE IRC STANDARDS, AND SHALL BE IDENTIFIED AS REQUIRED BY THESE STANDARDS. WHERE FDN LUMBER IS CUT OR DRILLED AFTER TREATMENT, THE CUT SURFACE SHALL BE FIELD TREATED WITH APPROVED PRESERVATIVES BY REPEATED BRUSHING, DIPPING OR SOAKING UNTIL THE WOOD ABSORBS NO MORE PRESERVATIVE.

MANUFACTURED LUMBER

ALL MANUFACTURED LUMBER AND STRUCTURAL INSULATED PANELS (HEREAFTER SIPS) TO BE INSTALLED PER MANUFACTURERS INSTALLATION GUIDELINES. SIPS AND WOOD JOISTS ARE ALTERNATE MATERIALS AND METHODS THAT COMPLY WITH IRC SECTION R104.11 AND CC2.6.

SECTIONS AND DETAILS

SECTIONS AND DETAILS SHOWING REINFORCING, BOLTS, FRAMING MEMBERS, AND CONNECTIONS ARE INTENDED TO ILLUSTRATE SPECIFIC DETAILS. NO ATTEMPT HAS BEEN MADE TO SHOW ALL ELEMENTS PASSING THROUGH A SPECIFIC SECTION OR DETAIL. CONSTRUCTION DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL FOLLOW SIMILAR DETAILS OF SECTIONS TO HIS PROJECT AS APPROVED BY THE ARCHITECT/ ENGINEER OF RECORD.

SHOP DRAWINGS

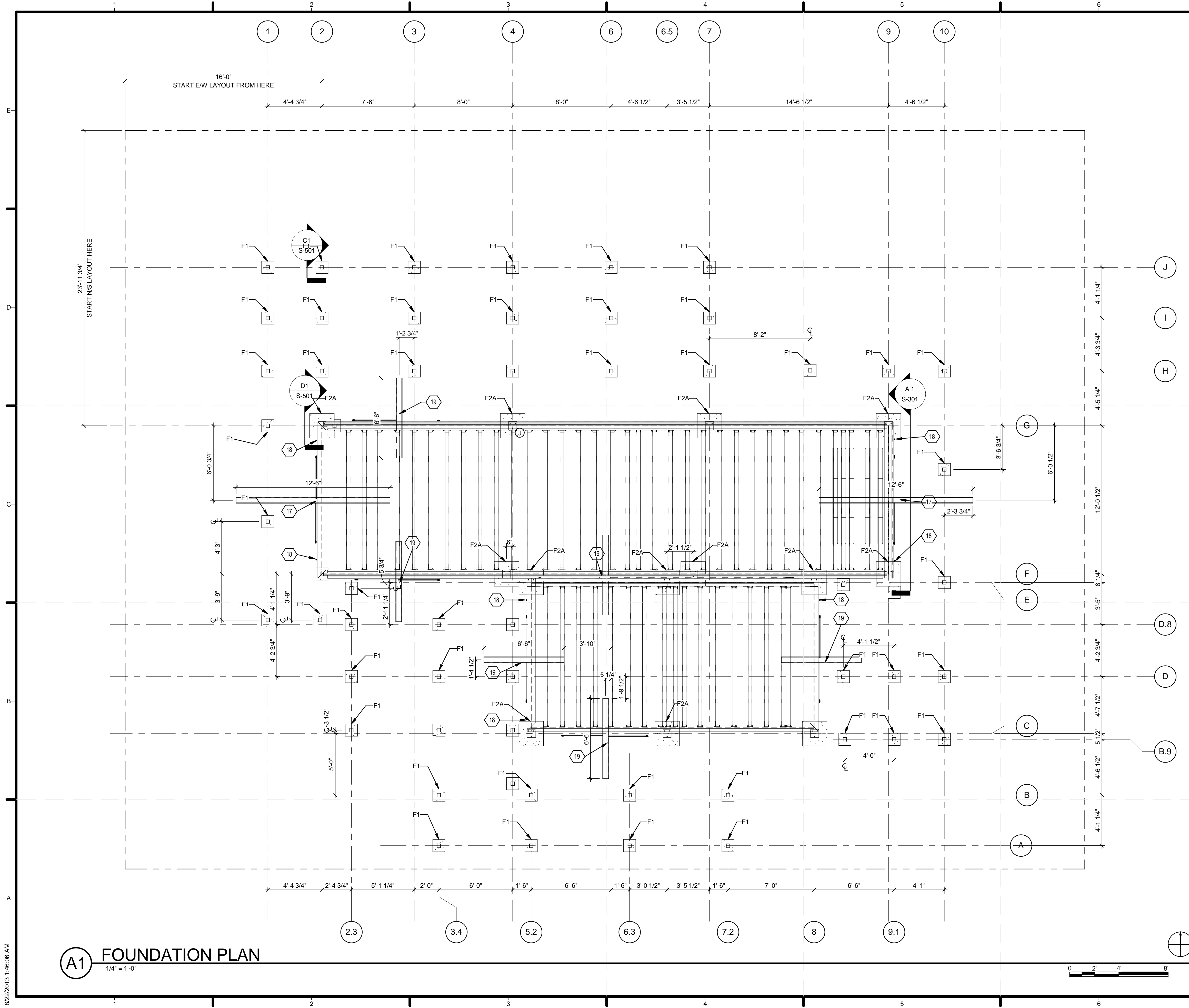
- SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER OF RECORD FOR THE FOLLOWING:
- MANUFACTURED WOOD TRUSSES
- MANUFACTURED WOOD BEAMS AND COLUMNS

MISCELLANEOUS

VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD.
 VERIFY SIZE AND LOCATIONS OF ALL OPENINGS IN THE ROOF AND WALLS.

REFERENCES

REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN, FOR SIZE AND POSITION OF OPENINGS, BREAKS IN STRUCTURAL MEMBERS DUE TO ARCHITECTURAL TREATMENT, ETC.



GENERAL SHEET NOTES

1. ALL CONCRETE FC 4000 PSI OR BETTER
2. CHANNELS, PLATES AND ANGLES A36 STEEL, TUBES A 500 STEEL
3. ANCHOR RODS A 36 STEEL
4. THREADED RODS AND BOLTS A307 STEEL

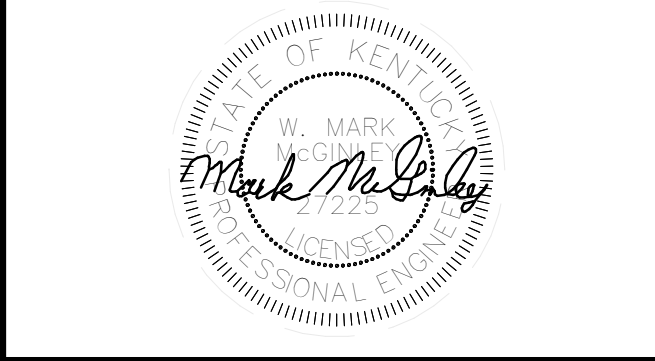
SHEET KEYNOTES

- 17 C6 x 13 CHANNEL, (7) 1" X 36" DRIVEN ANCHOR RODS @ 2' OC
- 18 1" A307 THREADED ROD, ATTACHED (WITH THREADED COUPLER) TO A 1" X 36" DRIVEN ANCHOR
- 19 C6 x 13 CHANNEL, (4) 1" X 36" DRIVEN ANCHOR RODS @ 2' OC



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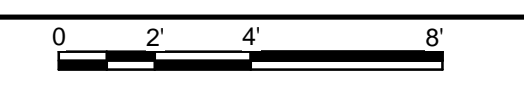
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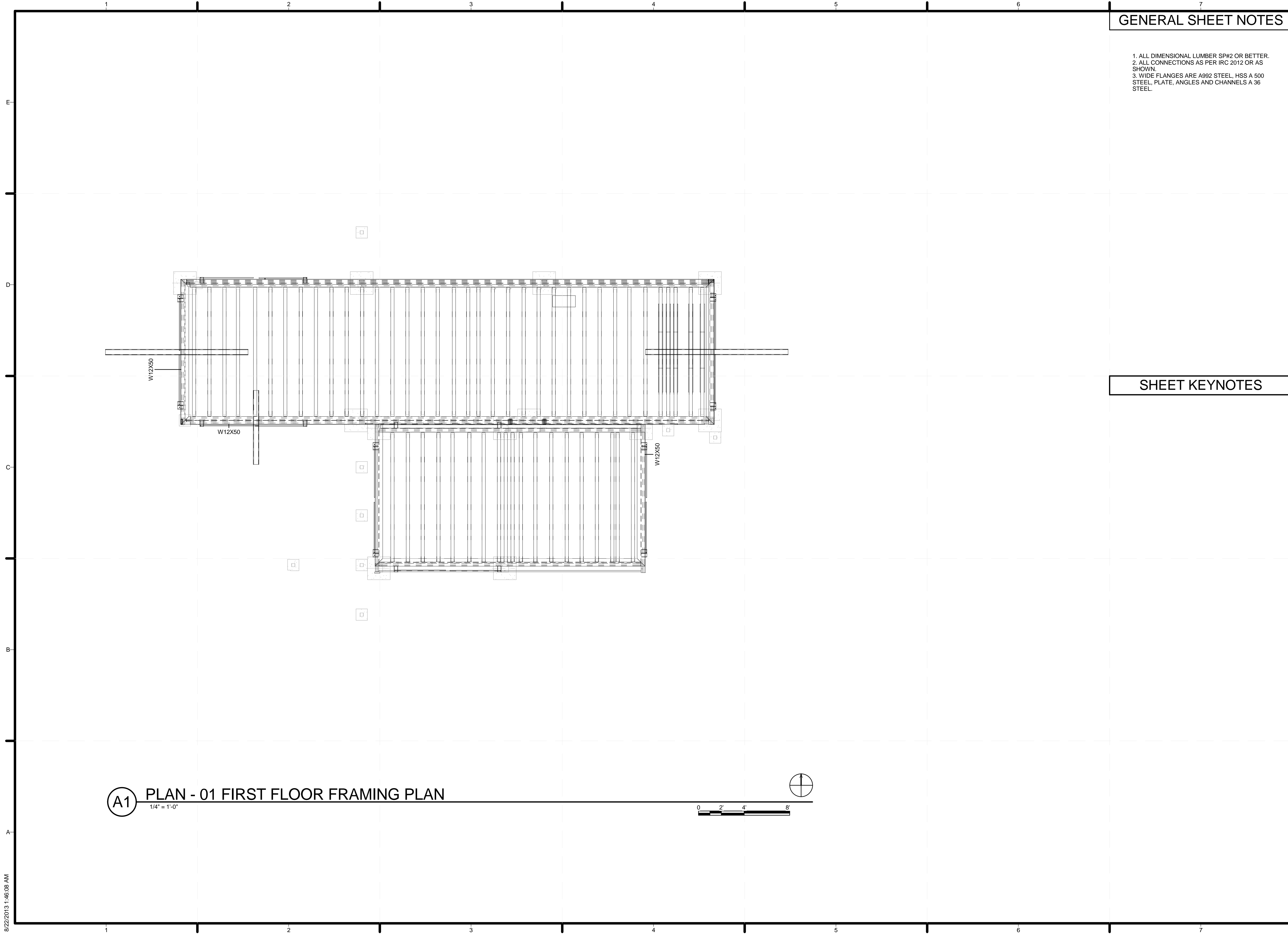
SHEET TITLE
FOUNDATION PLAN

S-101

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



8/22/2013 1:46:06 AM



A1 PLAN - 01 FIRST FLOOR FRAMING PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

1. ALL DIMENSIONAL LUMBER SP#2 OR BETTER.
2. ALL CONNECTIONS AS PER IRC 2012 OR AS SHOWN.
3. WIDE FLANGES ARE A992 STEEL, HSS A 500 STEEL, PLATE, ANGLES AND CHANNELS A 36 STEEL.

SHEET KEYNOTES



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SHEET TITLE
FIRST FLOOR FRAMING PLAN

S-102

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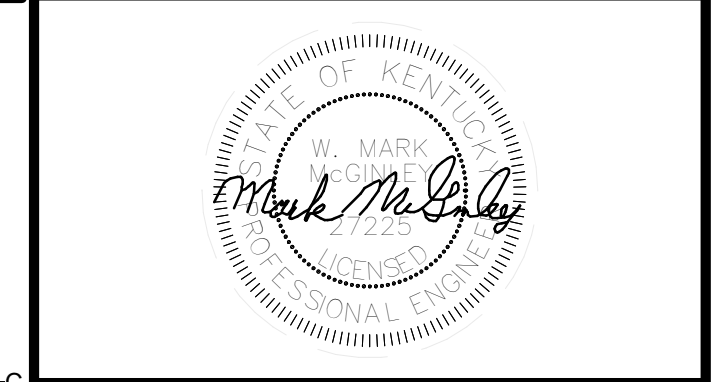
GENERAL SHEET NOTES

1. ALL DIMENSIONAL LUMBER SPF#2 OR BETTER.
2. ALL CONNECTIONS AS PER IRC 2012 UNLESS SHOWN
3. FASTEN PV RACK AS DESCRIBED BY MANUFACTURER OF RACKING. SEE MANUFACTURER'S STAMPED DRAWINGS.
4. ATTACH TRELLISES WITH 3/8" LAG BOLTS TO EXTERIOR SIPS AT 32" O.C. AS PER IRC 2012.



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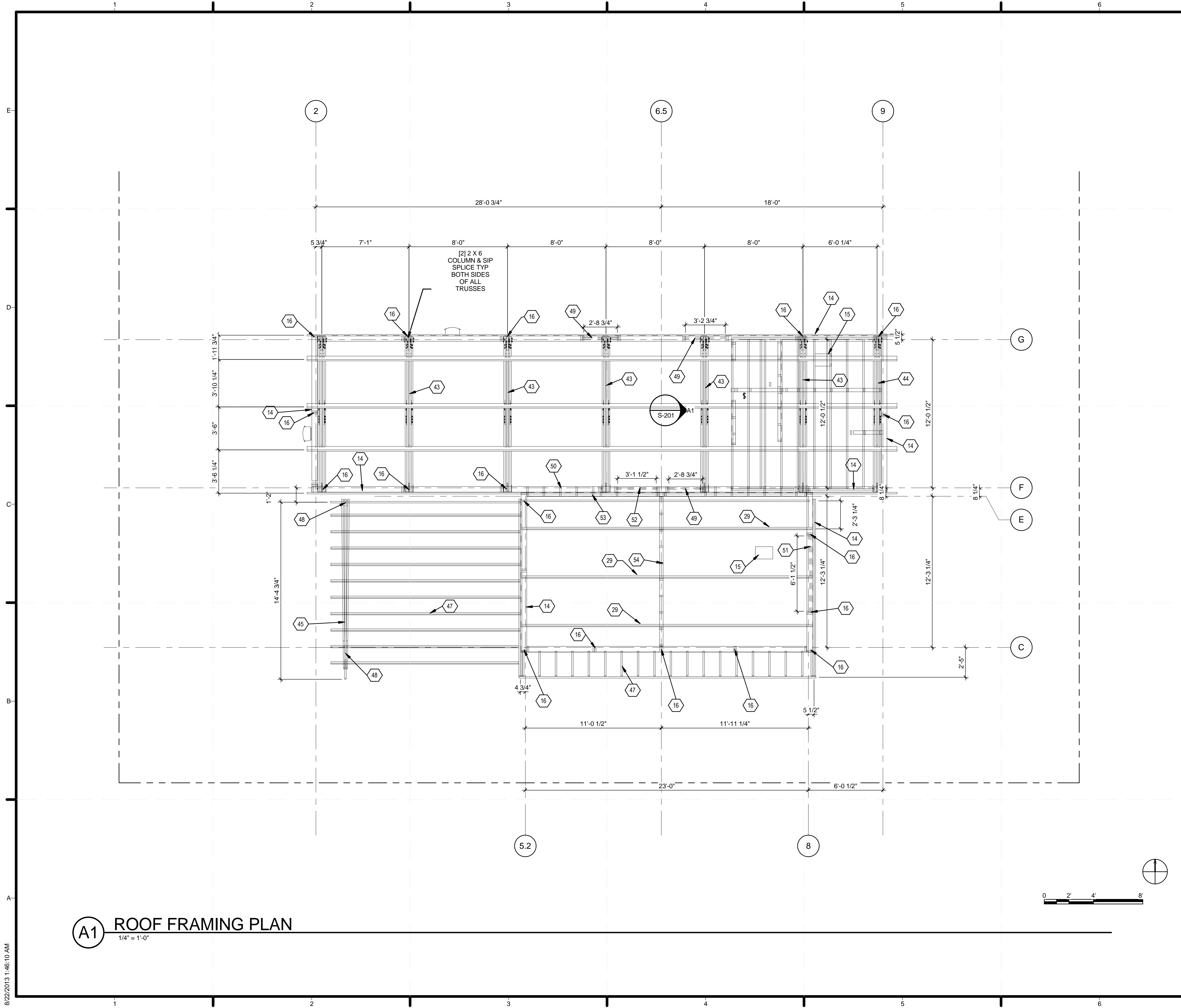


MARK	DATE	DESCRIPTION
01	10/11/2012	DESIGN DEVELOPMENT
02	11/20/2012	DD RESUBMISSION
03	02/14/2013	CONSTRUCTION DOCS
04	04/05/2013	CDS RESUBMISSION
05	08/22/2013	AS-BUILTS DOCUMENTS

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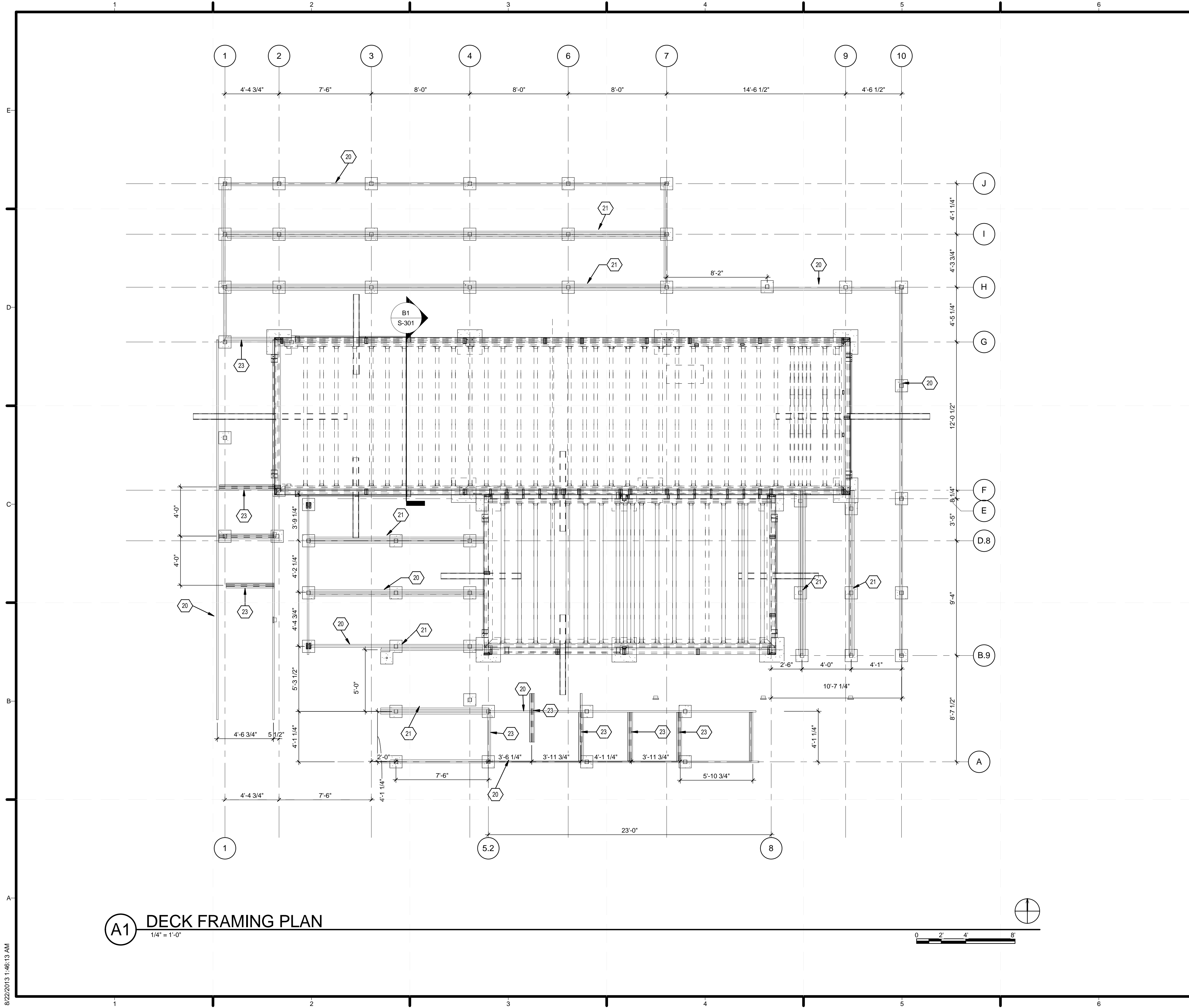
SHEET TITLE
ROOF FRAMING PLAN

S-103



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

8/22/2013 1:46:10 AM



GENERAL SHEET NOTES

1. ALL DIMENSIONAL LUMBER SP#2 OR BETTER.
2. FASTENED PER IRC 2012 EXPECT AS SHOWN.
3. 2X4 SP#2 AT 16" OC WILL SPAN BETWEEN STRINGERS ON DECK AND BETWEEN CROSS BEAMS ON RAMPS. PROVIDE SIMPSON STRONG TIES CLIPS TO STRINGERS AT 24" OC.
4. BEAR END OF RAMPS ON STEEL PADS ANCHORED TO GROUND WITH 1"X36 ANCHOR RODS ON EACH SIDE.
5. ATTACH RAIL POSTS TO CROSS BEAMS ON RAMP USING SIMPSON STRONG TIE HD24HDG TIES AT TOP AND (2)5/8" DIAMETER BOLTS. SEE MANF. DETAIL.

SHEET KEYNOTES

- | | |
|----|--|
| 20 | SP #2 2 X 10 STRINGER WITH 2 X 6 LEDGER FASTENED PER IRC 2012 |
| 21 | (2) SP #2 2 X 10 STRINGER WITH 2 X 6 LEDGERS FASTENED PER IRC 2012 |
| 23 | (2) SP#2 2 X 8 CROSS BEAMS WITH 2 X 4 LEDGERS SP#2 FASTENED PER IRC 2012 |



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SHEET TITLE
DECK FRAMING PLAN

S-104

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GENERAL SHEET NOTES

1. ALL DIMENSIONAL LUMBER SPF#2 OR BETTER
2. ALL FASTENERS TO MEET IRC 2012 UNLESS SHOWN.
3. CONCRETE F'C=4000PSI



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SHEET KEYNOTES

- 27 1/4" A 36 STEEL PLATE, FASTENED WITH (6) #8 SCREWS TO EACH SIDE OF DOUBLED 2 X 6, 1/2" DIA A 3.7 BOLT THROUGH ALL PLATES AND WOOD MEMBERS
- 28 1/4" A 36 STEEL PLATE, FASTENED WITH 3/4" DIA A 3.7 BOLTS AS SHOWN THROUGH ALL PLATES AND DOUBLE 2X6 CHORD MEMBERS



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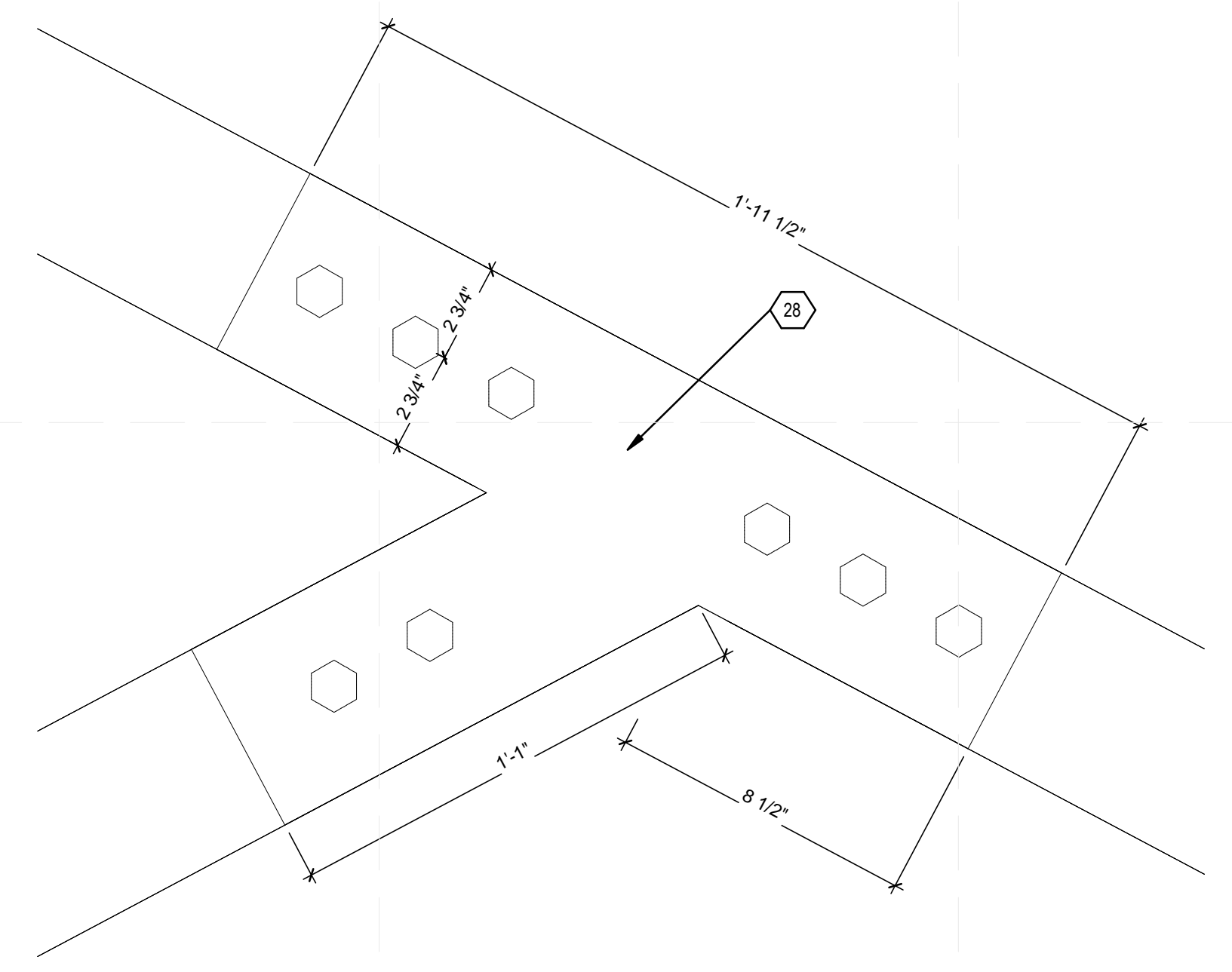
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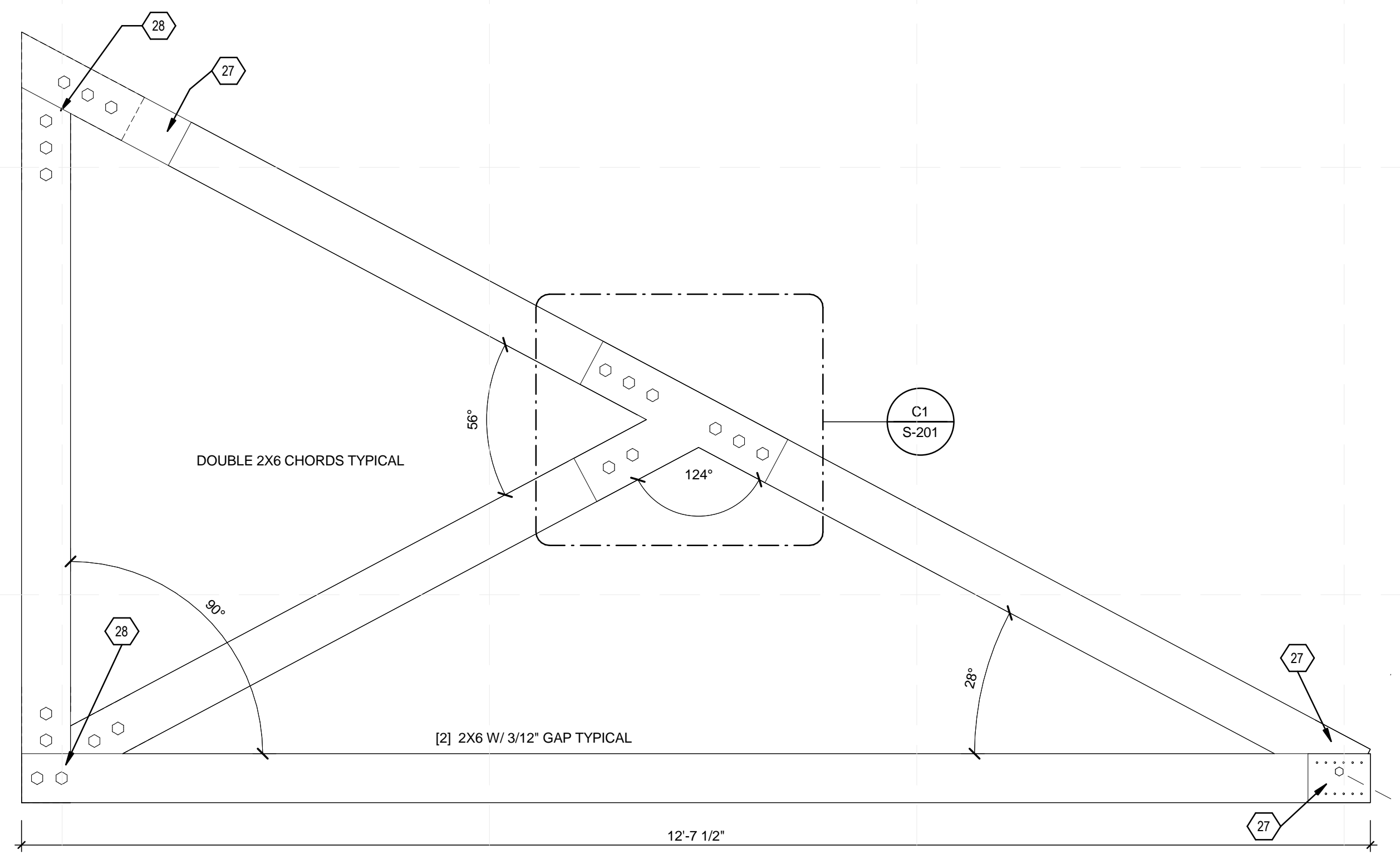
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SHEET TITLE
FRAMING ELEVATIONS

S-201



C1 TRUSS PLATE DETAIL
 3" = 1'-0"



A1 TYPICAL ROOF TRUSS ELEVATION
 1" = 1'-0"



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GENERAL SHEET NOTES

1. WOOD TRUSS MANUFACTURER TO DESIGN FLOOR TRUSSES FOR LOADING AND CONFIGURATION SHOWN.

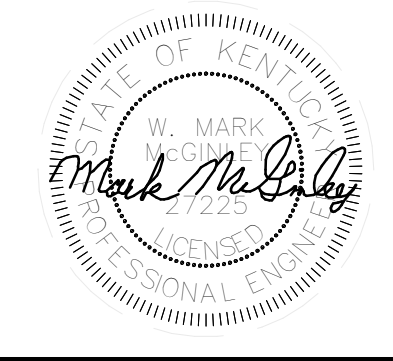


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SHEET KEYNOTES

- 17 C6 x 13 CHANNEL, (7) 1" X 3/8" DRIVEN ANCHOR RODS @ 2' OC
- 18 1" A307 THREADED ROD, ATTACHED (WITH THREADED COUPLER) TO A 1" X 3/8" DRIVEN ANCHOR
- 24 HSS 8 X 8 X 0.25 HSS A500 STEEL WELD WITH 1/4" FILLET WELD TO WIDE FLANGE WEB (ALL ROUND)
- 25 3/4" A 307 ROD WITH BEVELED WASHERS AND NUTS
- 26 JOIN CHASSIS WIDE FLANGE WEB AND FLANGES WITH FULL PENETRATION WELDS
- 31 2 X 4 OPEN WEB TRUSS TO BE DESIGNED BY MANUFACTURER FOR ABOVE LOADING AND CONFIGURATION



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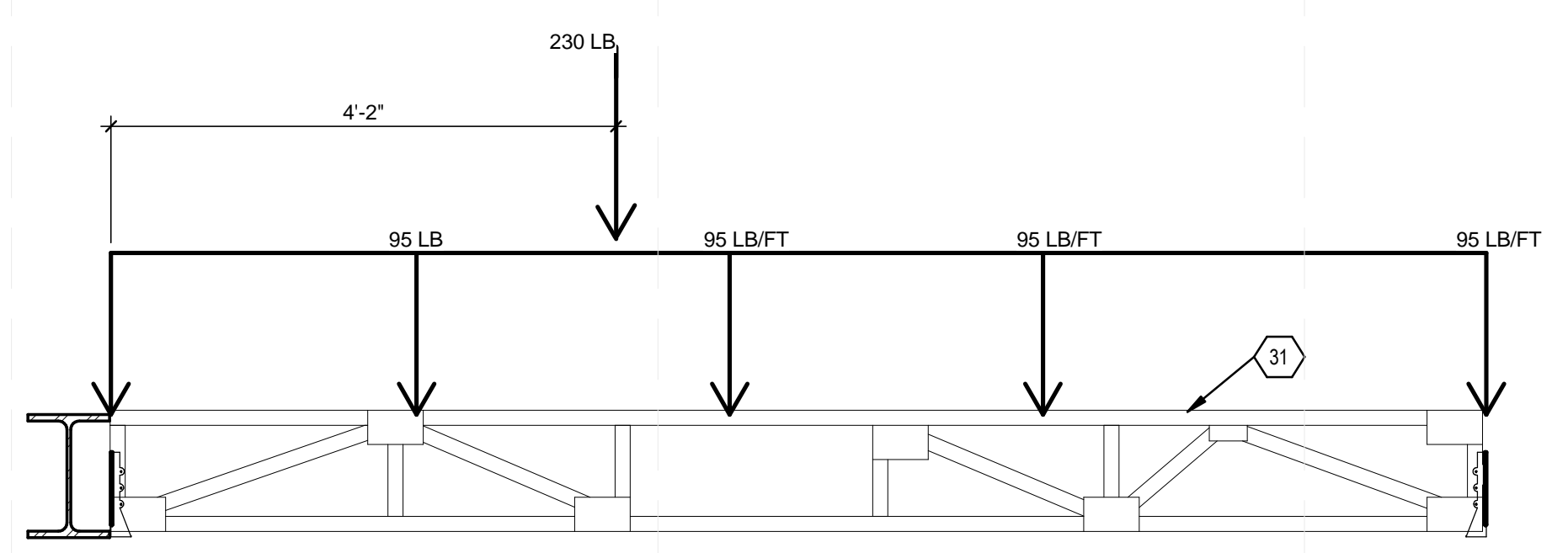
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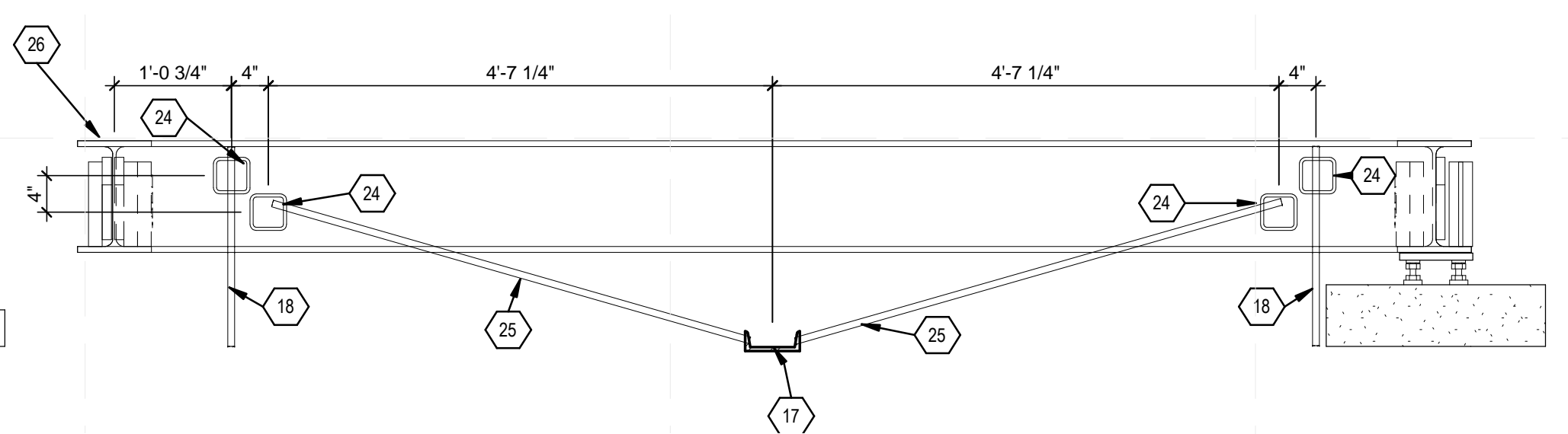
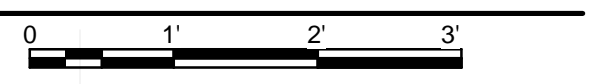
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SHEET TITLE
FRAMING SECTIONS

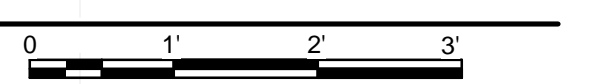
S-301



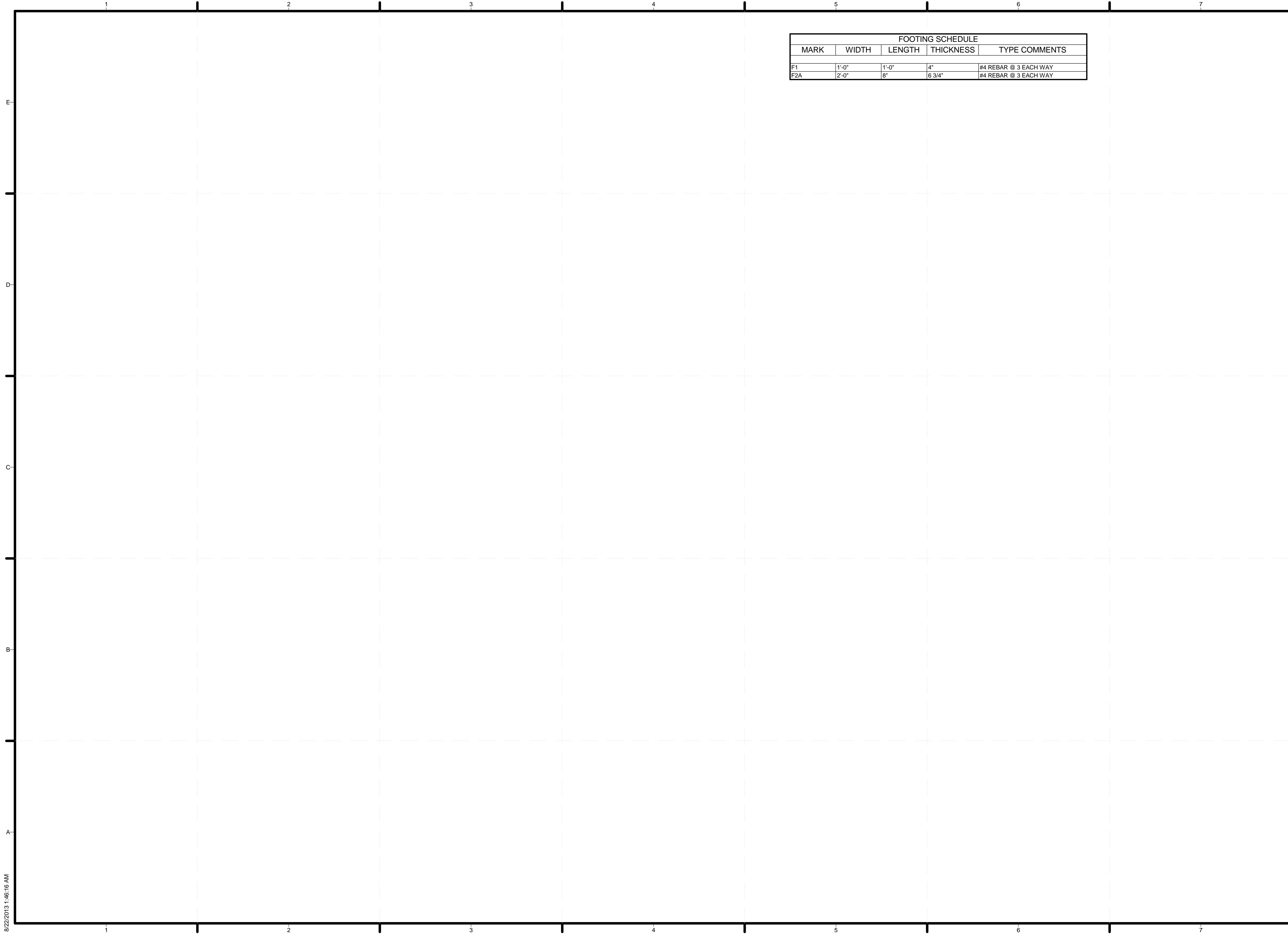
(B1) FLOOR JOIST LOADING
 3/4" = 1'-0"



(A1) EAST STEEL BEAM ELEVATION MOD I
 3/4" = 1'-0"



8/22/2013 1:46:15 AM



FOOTING SCHEDULE				
MARK	WIDTH	LENGTH	THICKNESS	TYPE COMMENTS
F1	1'-0"	1'-0"	4"	#4 REBAR @ 3 EACH WAY
F2A	2'-0"	8"	6 3/4"	#4 REBAR @ 3 EACH WAY



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SHEET TITLE
COLUMN AND BEAM SCHEDULES

S-602

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GENERAL NOTES

- A. ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACCURACY OF ALL DETAILS AND DIMENSIONS.
- B. THESE DRAWINGS ARE INTENDED TO CONFORM TO GENERALLY ACCEPTED BUILDING PRACTICES; HOWEVER, STATE AND LOCAL CODES VARY WIDELY AND ALL FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, REGULATIONS, ETC. SHALL BE CONSIDERED AS PART OF THE SPECIFICATIONS OF THIS BUILDING, AND SHALL TAKE PRECEDENCE OVER ANYTHING SHOWN, DESCRIBED, OR IMPLIED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ALL APPLICABLE BUILDING CODE REQUIREMENTS ARE BEING MET. THE DESIGNER SHALL NOT BE HELD LIABLE FOR ANY ERRORS.
- C. THIS PLAN, AND ALL DRAWINGS AND SPECIFICATIONS RELATED THERETO, IS LIMITED TO A SPECIFIC PROJECT OF THE PURCHASER AND FOR THE CONSTRUCTION OF ONE BUILDING. ANY RE-USE OF SAID PLANS IS PROHIBITED WITHOUT SPECIFIC WRITTEN PERMISSION OF OWNER AND DESIGNER.
- D. THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, INCLUDING THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL SYSTEM. STRUCTURAL INTEGRITY OF THIS BUILDING IS SUBJECT TO REVIEW BY A QUALIFIED STRUCTURAL ENGINEER.
- E. AS SCOPE DOCUMENTS, THESE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS FOR CONSTRUCTION.
- F. CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK, VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION, AND NOTIFY THE DESIGNER IMMEDIATELY OF ANY CONFLICTS OR CONDITIONS WHICH REQUIRE ALTERATION OF THESE PLANS PRIOR TO PROCEEDING WITH THE WORK.

DIMENSIONING

- A. DO NOT SCALE DRAWINGS, USE ONLY THE PRINTED DIMENSIONS.
- B. ALL DIMENSIONS ARE TAKEN FROM TOUGH STUDS OF A DIMENSION OF EITHER 5/16" (2x6 STUDS), 3/16" (2x4 STUDS) OR TO THE OUTSIDE OF THE STRUCTURAL INSULATED PANEL SYSTEMS (SIPS)
- C. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH THE WORK. THE DESIGNER SHALL BE NOTIFIED OF ANY DISCREPANCIES
- D. VERIFY WITH THE WINDOW MANUFACTURER ALL WINDOW SIZES AND APPLICABLE EGRESS REQUIREMENTS.
- E. DOOR OPENINGS ARE GENERALLY DIMENSIONED TO CENTERLINE OF OPENING. DOOR OPENINGS THAT ARE NOT DIMENSIONALLY LOCATED ARE TO BE CENTERED BETWEEN WALLS OR POSITIONED WITH ONE JAMB AGAINST AN ADJACENT WALL OR COLUMN AS SHOWN ON THE PLANS.
- F. ALL DIMENSIONS SHALL BE VERIFIED AND COORDINATED WITH THE WORK OF ALL TRADES
- G. IN THE EVENT OF DIMENSIONAL DISCREPANCIES IN THE PLANS, THE FLOOR PLANS SHALL GOVERN.

STRUCTURAL

- A. CONTRACTOR SHALL VERIFY ALL BEAM AND HEADER SIZES FOR CODE COMPLIANCE.

INSULATION

- A. WHETHER SPECIFICALLY SHOWN, OR NOT, PROVIDE INSULATION WITH VAPOR BARRIER BETWEEN ALL EXTERIOR AND INTERIOR HEATED SPACES TO MAINTAIN DESIGN U VALUES.
- B. ALL JOINTS AND PENETRATIONS IN INSULATION BARRIER SHALL BE FULLY BUTTED/SEALED WITH ADHESIVE/SEALANT TO PROVIDE A CONTINUOUS AIR/VAPOR TIGHT INSTALLATION.

MECHANICAL AND ELECTRICAL AREAS

- A. GENERAL CONTRACTOR TO COORDINATE ALL MECHANICAL AND ELECTRICAL FLOOR, ROOF AND WALL SLEEVES AND ALL MECHANICAL SHAFTS AND OPENINGS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. GENERAL CONTRACTOR SHALL PROVIDE SLEEVES AND FLOOR AND ROOF OPENINGS AS REQUIRED TO ALLOW INSTALLATION OF ALL DUCTS AND PIPING AS SHOWN ON THE MECHANICAL AND ELECTRICAL DRAWINGS.
- B. CONTRACTOR SHALL VERIFY ALL MECHANICAL AND ELECTRICAL REQUIREMENTS AND CLEARANCES. CONTRACTOR SHALL VERIFY ALL FLOOR AND ROOF BEARING LOCATIONS.
- C. DUE TO COORDINATION WITH FRAMING AND MECHANICAL INSTALLATIONS, FINAL DIMENSIONS MAY VARY SLIGHTLY FROM DIMENSIONS AS SHOWN ON CONSTRUCTION DRAWINGS.

EXTERIOR WALLS

- A. THE EXTERIOR WALL AS SHOWN SHALL BE A COMPLETE SYSTEM INCLUDING ALL STIFFENERS, FASTENERS, SEALANTS, JOINING MISCELLANEOUS PIECES AND MATERIAL THICKNESS AS REQUIRED TO FORM A WATERTIGHT ENCLOSURE.
- B. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED.
- C. ALL DETAILS ARE TO BE COORDINATED WITH THE STRUCTURAL FRAMING AND OTHER BUILDING COMPONENTS INCLUDING ROOFING, EXTERIOR-CLADDING ITEMS, GLAZING, INTERIOR FINISH AND OTHER RELATED BUILDING COMPONENTS.
- D. ALL SEALANT JOINTS SHALL BE SIDED SUCH THAT THEY WILL BE WITHIN THE SIZE RANGE RECOMMENDED BY THE SEALANT MANUFACTURER
- E. VERIFY OR GUARANTEE ALL CLEAR OPENINGS FOR LOUVERS AND WINDOW INSTALLATION.
- F. ALL SILLS, WINDOW HEADS, AND SHELF ANGLES SHALL HAVE FLASHING EXTENDED TO THE OUTSIDE OF THE WALL WHETHER OR NOT SHOWN ON THE DRAWINGS.

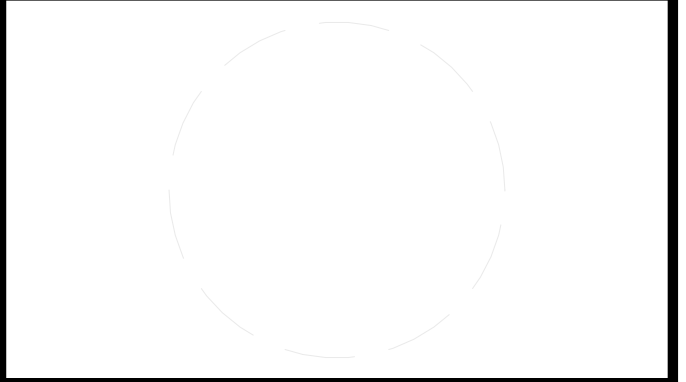
MISCELLANEOUS NOTES

- A. PROVIDE ACCESS PANELS AS REQUIRED BY APPLICABLE CODES AND AS REQUIRED FOR ACCESS OR MAINTENANCE OF MECHANICAL AND ELECTRICAL EQUIPMENT INCLUDING JUNCTION BOXES. ALL ACCESS PANELS LOCATIONS SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO PROCEEDING.
- B. WHERE DISCREPANCIES EXIST BETWEEN THE DRAWINGS OF THE VARIOUS TRADES, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- C. WHETHER OR NOT EXPLICITLY INDICATED, ALL GLAZING SHALL BE SAFETY GLAZED WHEN WITHIN 18" OF THE FLOOR OR WITHIN 3'-0" HORIZONTAL DISTANCE FROM ANY DOOR. A CERTIFICATE MUST ACCOMPANY ALL GLAZING PRODUCTS STATING THAT THE PRODUCTS CONFORM WITH APPLICABLE CONSUMER PRODUCT SAFETY STANDARDS.
- D. UNLESS OTHERWISE NOTED, ALL EXTERIOR EXPOSED METAL SHALL BE GALVANIZED AND PAINTED
- E. ALL EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATION, BETWEEN WALLS AND ROOF, BETWEEN WALL PANEL, AT PENETRATION OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED, CAULKED OR WEATHER-STRIPPED TO PREVENT AIR LEAKAGE / INFILTRATION.
- F. ALL REFUSE AND DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR
- G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND ADEQUACY OF HIS PLANT, APPLIANCES, METHODS AND FOR DAMAGE WHICH MAY RESULT FROM THEIR IMPROPER REMOVAL. CONSTRUCTION, MAINTENANCE OR OPERATION. HE SHALL ERECT AND PROPERLY MAINTAIN AT ALL TIMES AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, PROPER SAFEGUARDS FOR THE PROTECTION OF WORKMEN, OWNER, AND OWNERS PROPERTY, AND SHALL POST DANGER WARNINGS AGAINST HAZARDS CREATED BY CONSTRUCTION OPERATIONS.
- H. INSPECTION BY CONTRACTOR: THE CONTRACTOR ACKNOWLEDGES AND AGREES THAT HE HAS INVISIBLE, INDELEGABLE AND INTRANSFERABLE AND CONTRACTUAL OBLIGATION TO THE OWNER TO MAKE HIS OWN INSPECTIONS ON HIS OWN WORK AT THE STAGES OF CONSTRUCTION, AND SHALL SUPERVISE AND SUPERINTEND PERFORMANCE OF WORK IN SUCH MANNER AS TO ENABLE HIM TO CONFIRM, CERTIFY AND CORROBORATE AT ALL TIMES THAT ALL WORK HAS BEEN EXECUTED ACCORDING TO THE CONTRACT DOCUMENT
- I. THE CONTRACTOR SHALL SUPPLY ALL LABOR, TRANSPORTATION, APPARATUS, SCAFFOLDING, AND ANY TOOLS FOR THE COMPLETION OF THE WORK, MAINTAIN AND REMOVE ANY TEMPORARY EQUIPMENT, AND CONSTRUCTION THE COMPLETE WORK AND EVERYTHING PROPERLY INCIDENTAL THERETO AS STATED IN THE CONTRACT DOCUMENTS OR REASONABLY IMPLIED THEREFROM. ALL PARTS MUST BE COORDINATED, COMPLETE, READY TO OPERATE AND DELIVERED TO THE OWNER IN NEW CONDITION.
- J. CONTRACTOR'S WARRANTY: THE CONTRACTOR WARRANTS THAT HE IS FAMILIAR WITH THE CODES AND REGULATIONS APPLICABLE TO THE WORK AND THAT HE HAS THE SKILL, KNOWLEDGE, COMPETENCE, ORGANIZATION AND PLANT TO EXECUTE THE WORK PROMPTLY AND EFFICIENTLY IN COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, INCLUDING THE TIME SCHEDULE.
- K. THE OWNER WILL NOT ACCEPT REQUESTS FOR EXTRA WORK CONDITIONS WHICH CAN BE REASONABLY ASCERTAINED FROM THE DRAWINGS AND SPECIFICATIONS.
- L. ASBESTOS - CONTAINING MATERIALS MAY NOT BE USED ON THIS PROJECT
- M. LEAD-CONTAINING PAINT MAY NOT BE USED ON THIS PROJECT.
- N. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL SHEETS AND NOTES TO BE REVIEWED.
- O. THE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS ARE OF EQUAL IMPORTANCE WITH THE ARCHITECTURAL DRAWINGS IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ENGINEERING DRAWINGS THAT WOULD CAUSE AN IMPROPER INSTALLATION, IT SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE.
- P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF BUILDINGS ON THE SITE.
- Q. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER REPEATED OR NOT. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN.
- R. THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. PRIOR TO SUBMITTING A BID HE SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT AND SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK



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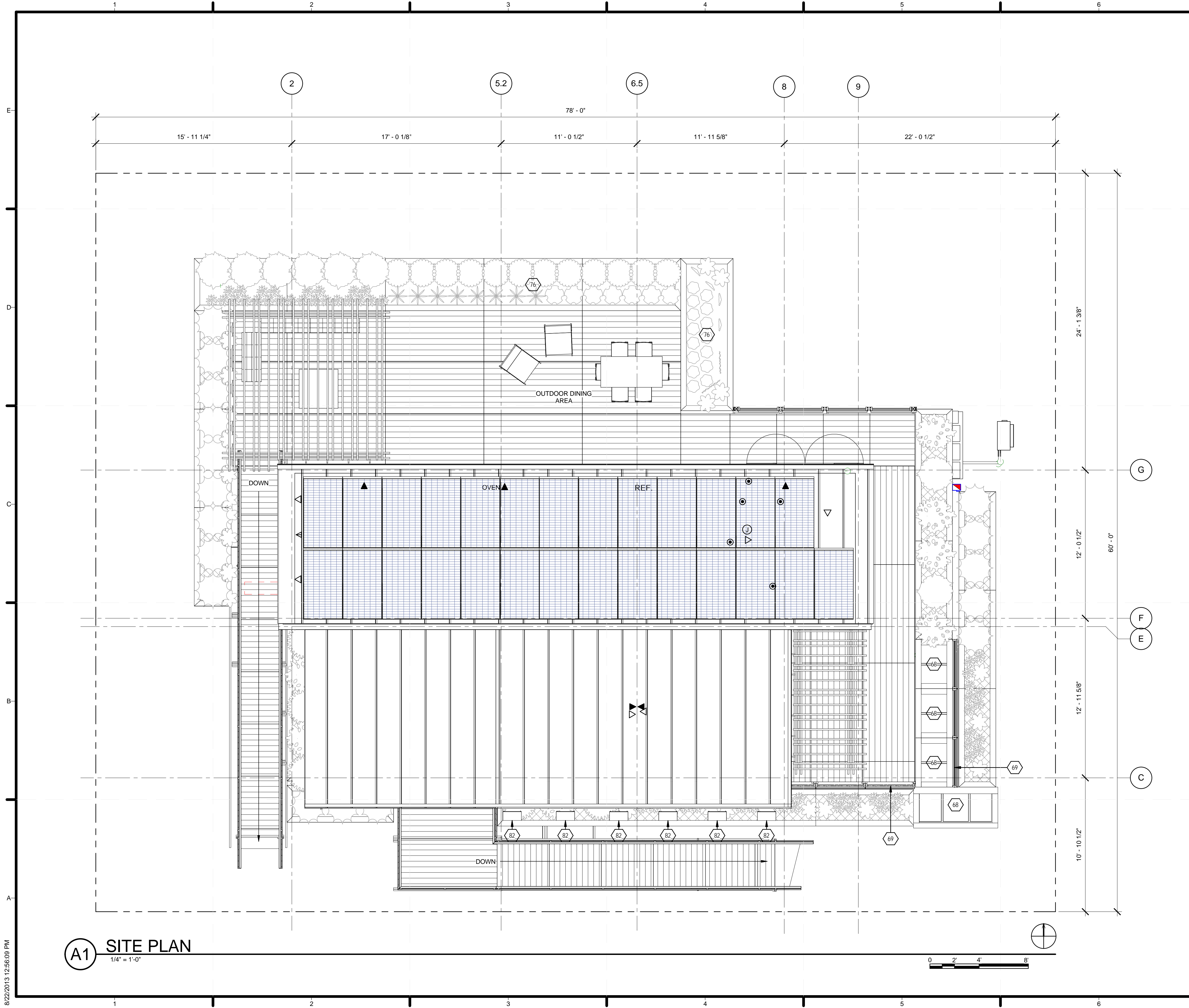
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03	02/14/2013	CONSTRUCTION DOCUMENT
04	04/05/2013	CD RESUBMISSION
05	08/22/2013	AS-BUILT DRAWINGS

MARK	DATE	DESCRIPTION
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LOT NUMBER: 113
 DRAWN BY: JAMIE OWENS
 CHECKED BY: JAMIE OWENS
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SHEET TITLE
 ARCHITECTURAL SYMBOLS AND NOTES

A-001



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

- 68 GREY WATER FILTRATION PONDS
- 69 GREEN WALL
- 76 KITCHEN GARDEN
- 82 DISPLAY MOUNT



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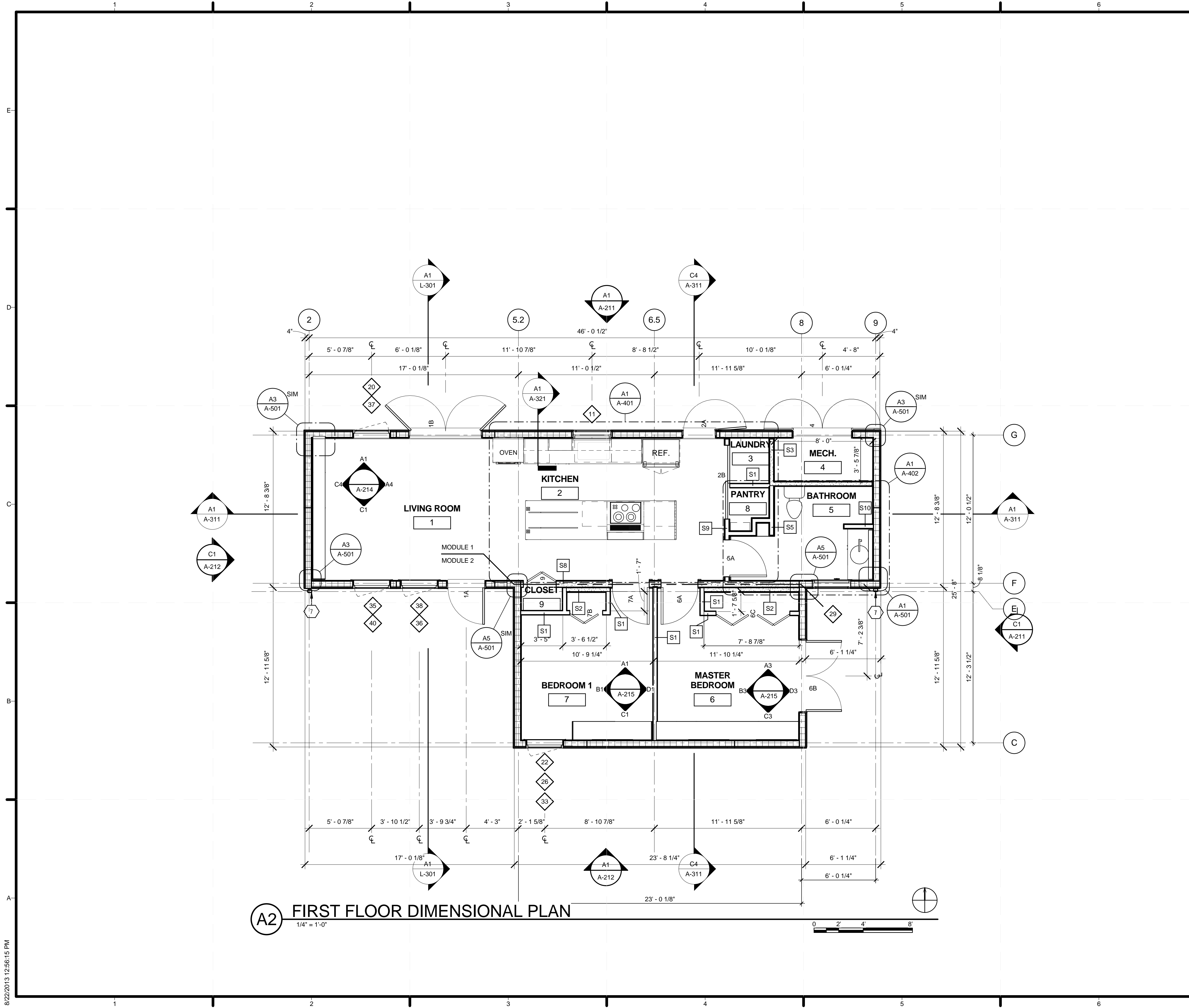
SHEET TITLE

SITE PLAN

A-101

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

8/22/2013 12:56:09 PM



A2 FIRST FLOOR DIMENSIONAL PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

1. REFER TO FURNITURE PLAN - A-121 FOR COMPLETE FURNITURE LAYOUT

REFERENCE KEYNOTES

WALL TYPE SCHEDULE

- S1 INTR - 2X4 WS + 1/2" GYPSUM BOARD (BOTH SIDES)
- S2 INTR - 7/16" OSB + 2X4 WS + BATT INSULATION + 7/16" OSB + 1/2" GYP BD
- S3 INTR - 1/2" GYP BD + 7/16" OSB + 2X4 WS + BATT INSULATION + 7/16" OSB + 1/2" GYP BD
- S4 INTR - 1/2" GWB + 7/16" OSB + 2X4 WS + BATT INSULATION + 7/16" OSB + 1/2" BACKER BOARD + 4" BATHROOM TILE
- S5 INTR - 1/2" GWB + 7/16" OSB + 2X4 WS + 7/16" OSB + 1/2" BACKER BOARD + 4" BATHROOM TILE
- S8 INTR - 7/16" OSB + 2X6 WS + BATT INSULATION + 7/16" OSB + 1/2" GYP BD
- S9 INTR - 2X4 WS + 1/2" GYPSUM BOARD & 7/16" OSB (BOTH SIDES)
- S10 INTR - 2X4 WS + 1/2" BACKER BOARD + 2X6 BATHROOM TILE (BOTH SIDES)



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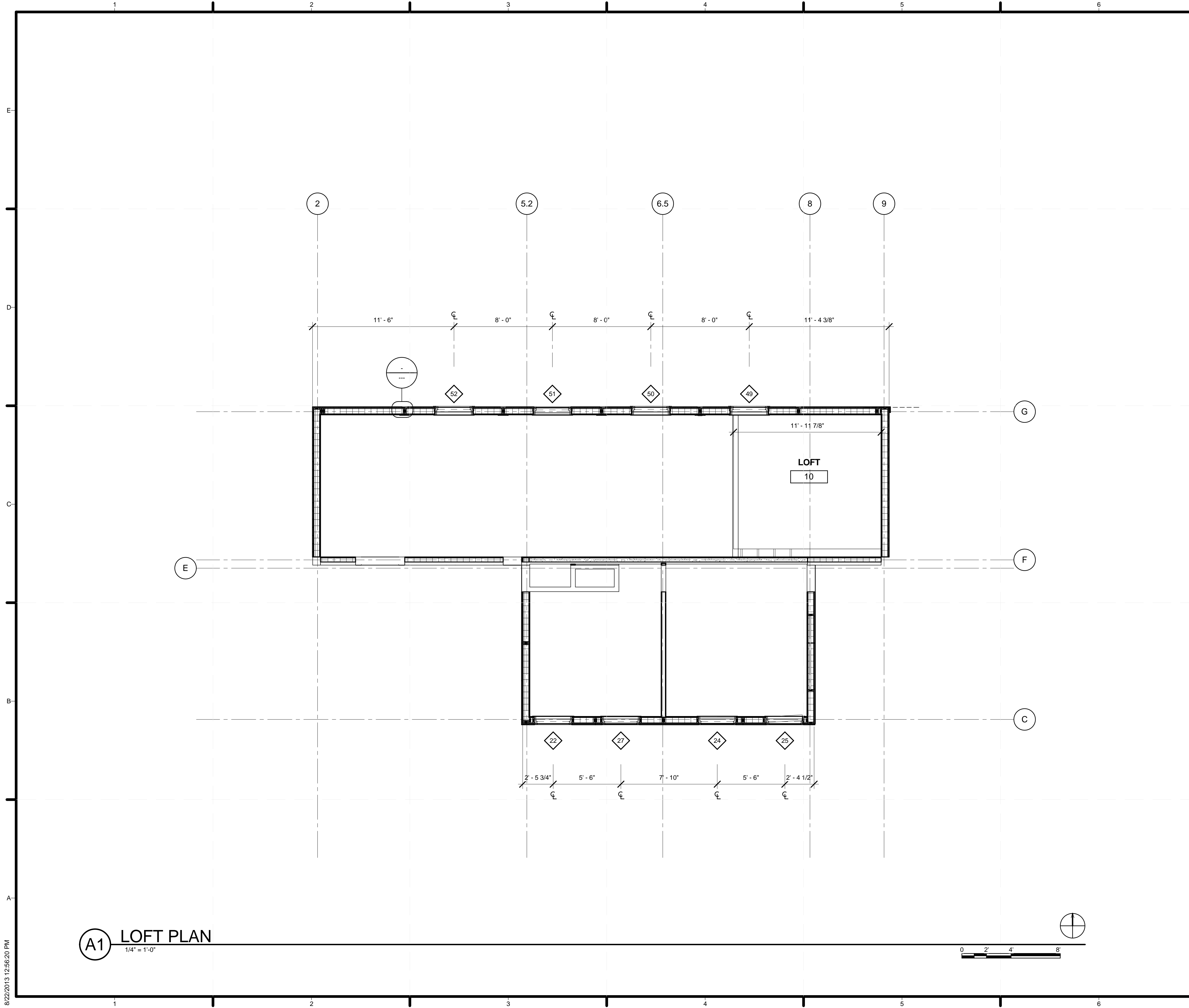
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SHEET TITLE
FIRST FLOOR PLAN

A-102



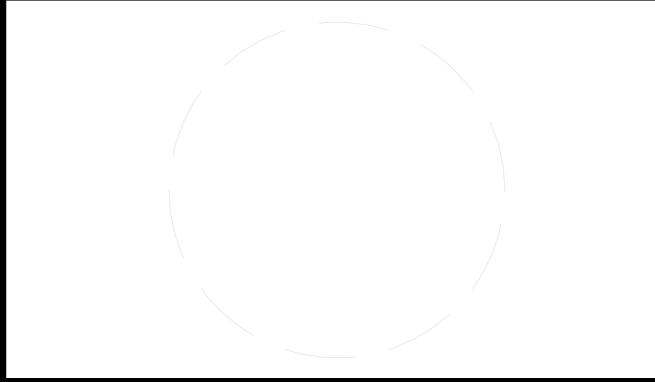
GENERAL SHEET NOTES

SHEET KEYNOTES



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 ADDRESS: UNIVERSITY OF LOUISVILLE
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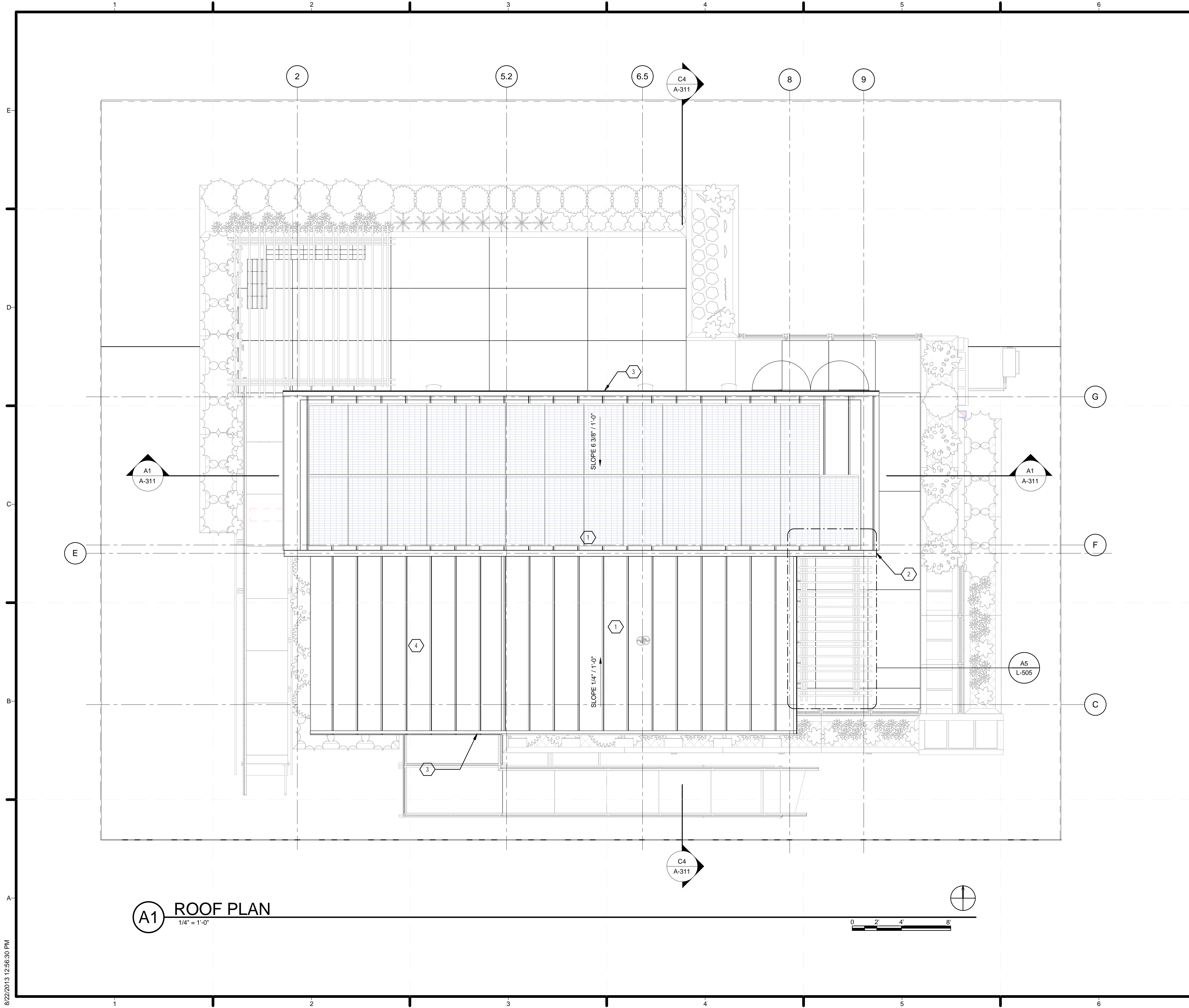
SHEET TITLE

LOFT PLAN

A-103

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

8/22/2013 12:56:20 PM



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

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES

- 1 STANDING SEAM METAL ROOF ON 8-1/4" SIPS
- 2 PREFINISHED BOX GUTTER
- 3 PREFINISHED BREAK METAL TO MATCH GUTTER
- 4 STANDING SEAM METAL ROOF ON 2X8 RAFTERS



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SHEET TITLE
ROOF PLAN

A-104

SHEET KEYNOTES

- 24 TRACK LIGHTING
- 27 1/2" GYPSUM BOARD ON 2X6 LOFT FRAMING
- 33 1/2" GYPSUM BOARD ON SIP



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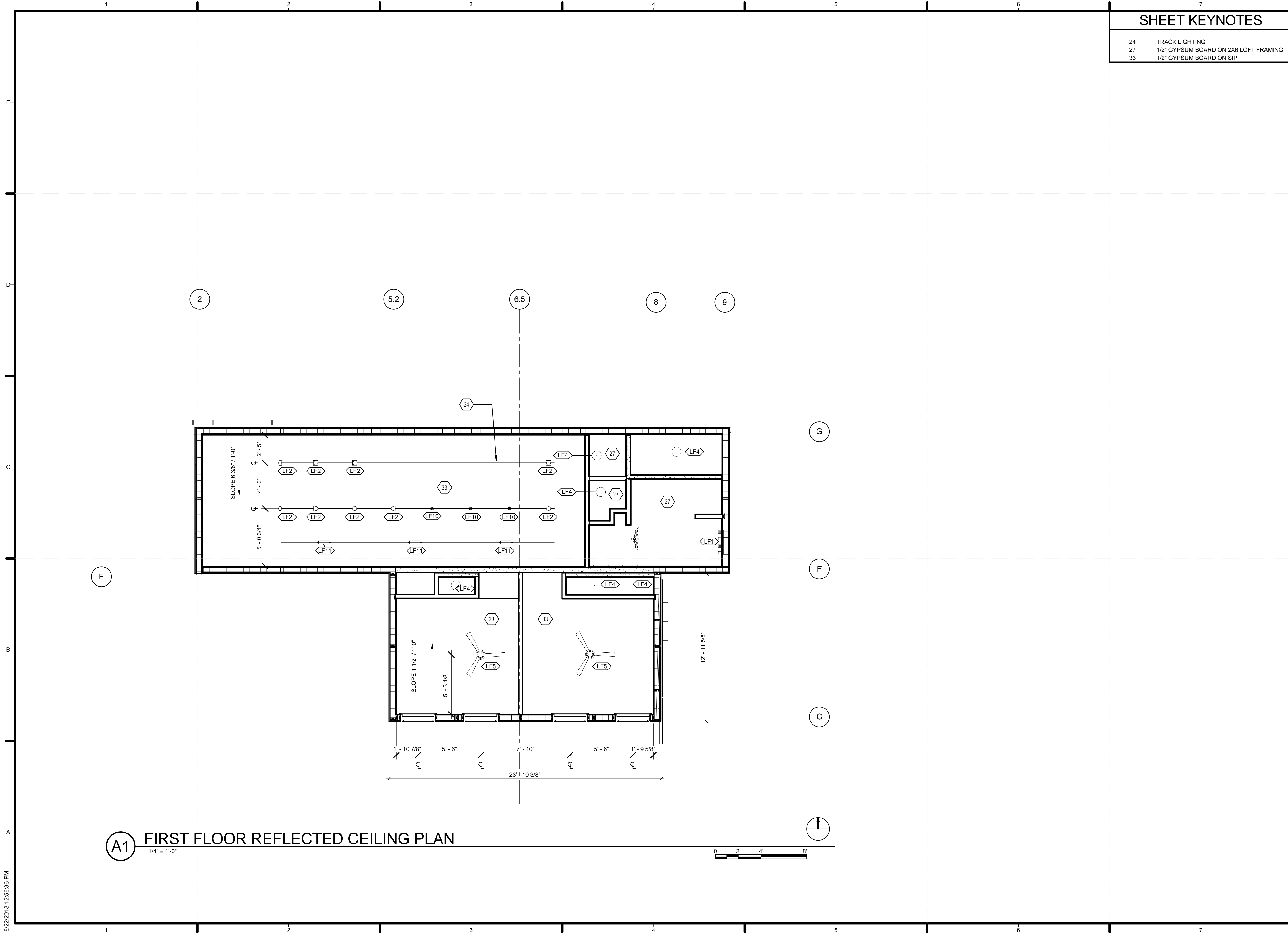
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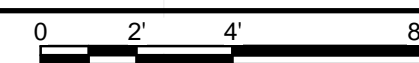
SHEET TITLE

FIRST FLOOR REFLECTED CEILING PLANS

A-111



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



SHEET KEYNOTES



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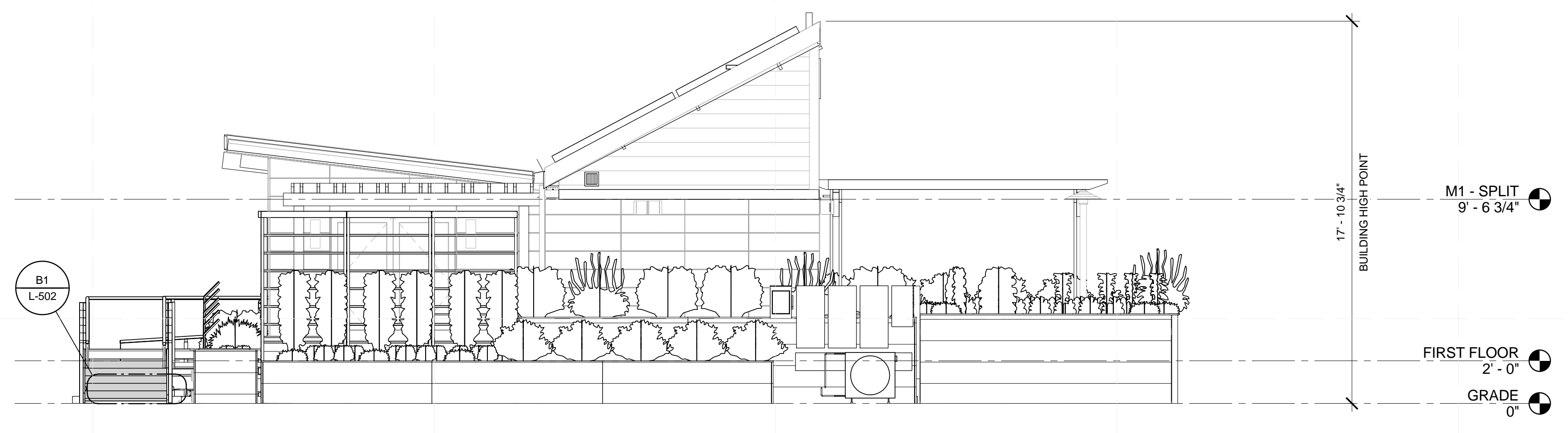
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05	08/22/2013	AS-BUILT DRAWINGS

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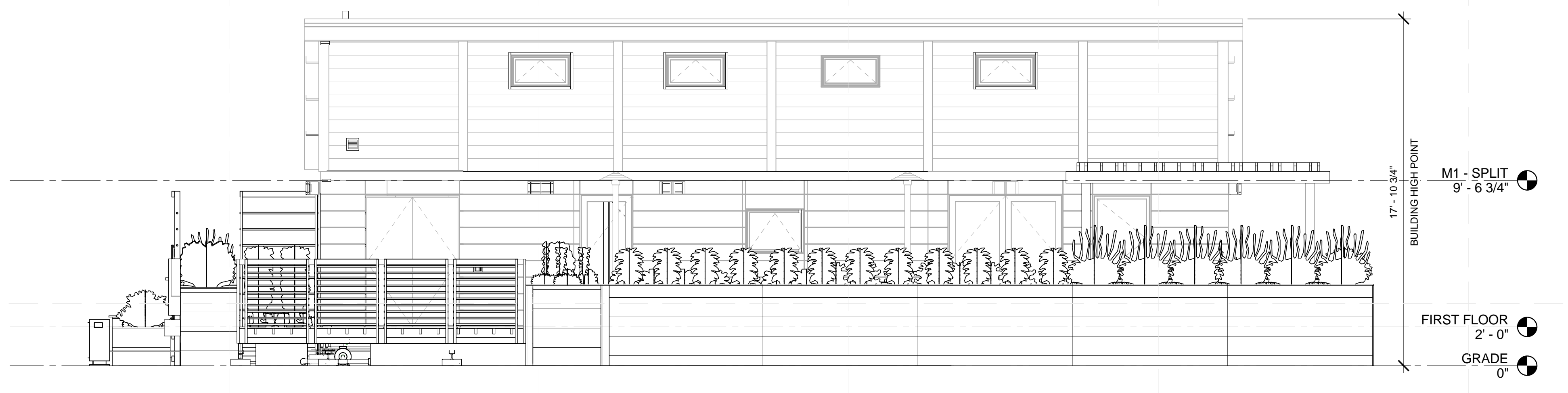
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SHEET TITLE
 SITE ELEVATIONS

A-201



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



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

SHEET KEYNOTES	
67	PLANTER BOX
68	GREY WATER FILTRATION PONDS
69	GREEN WALL
82	DISPLAY MOUNT



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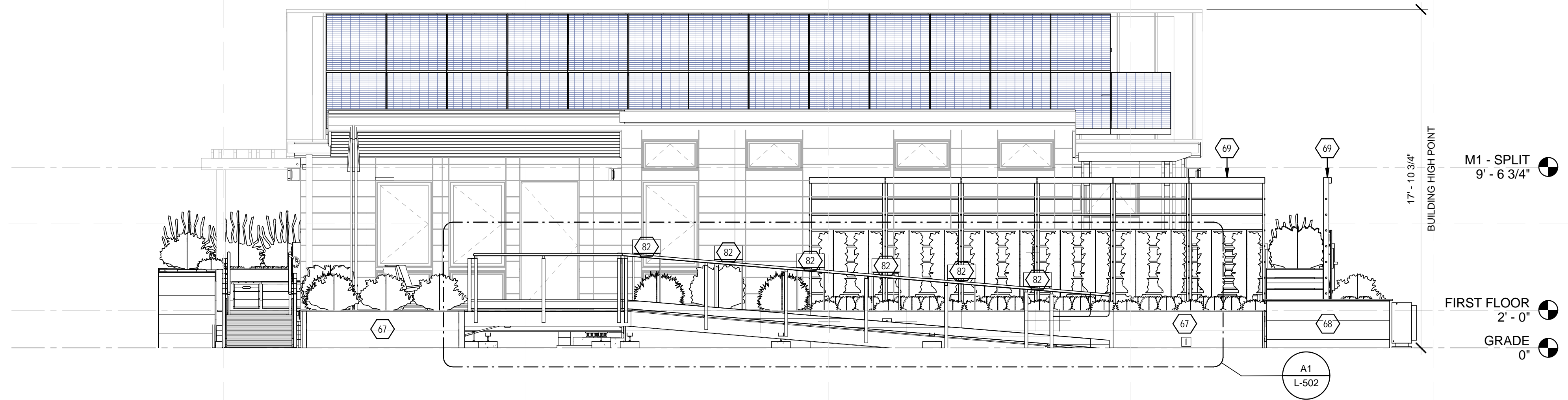
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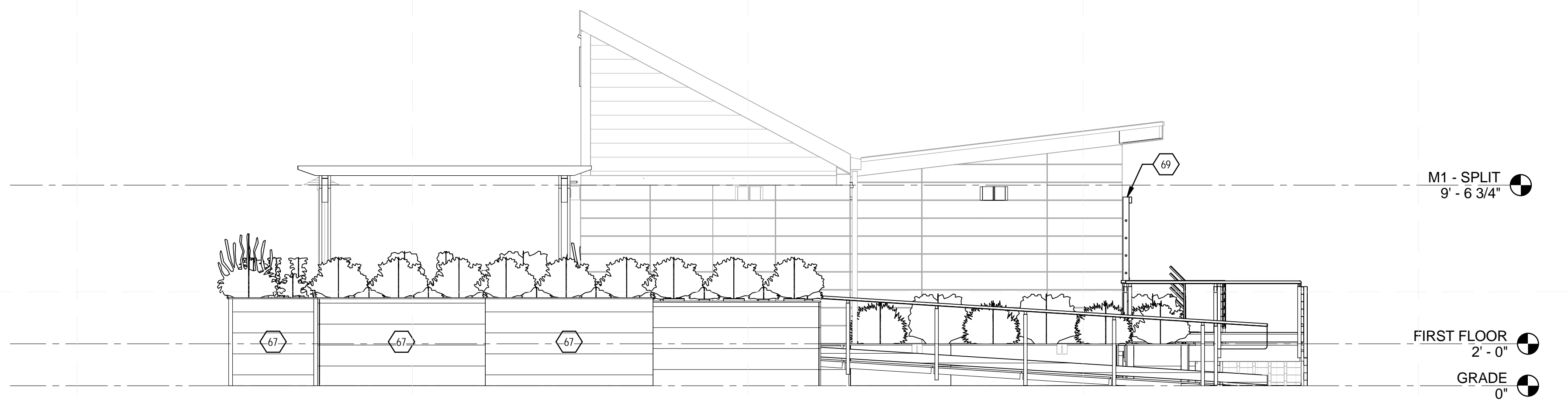
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SHEET TITLE
 SITE ELEVATIONS

A-202



C2 SOUTH SITE ELEVATION
 1/4" = 1'-0"



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

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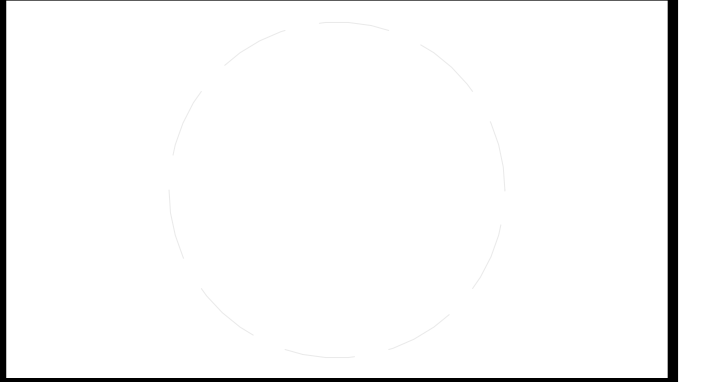
SHEET KEYNOTES

- 2 PREFINISHED BOX GUTTER
- 3 PREFINISHED BREAK METAL TO MATCH GUTTER
- 4 STANDING SEAM METAL ROOF ON 2X8 RAFTERS
- 5 WOOD SIDING
- 6 FIBER CEMENTITIOUS PANELS
- 7 PREFINISHED METAL DOWNSPOUT TO MATCH GUTTER
- 9 2X4 WOOD TRIM, FIELD INSTALL AFTER WALL ASSEMBLY



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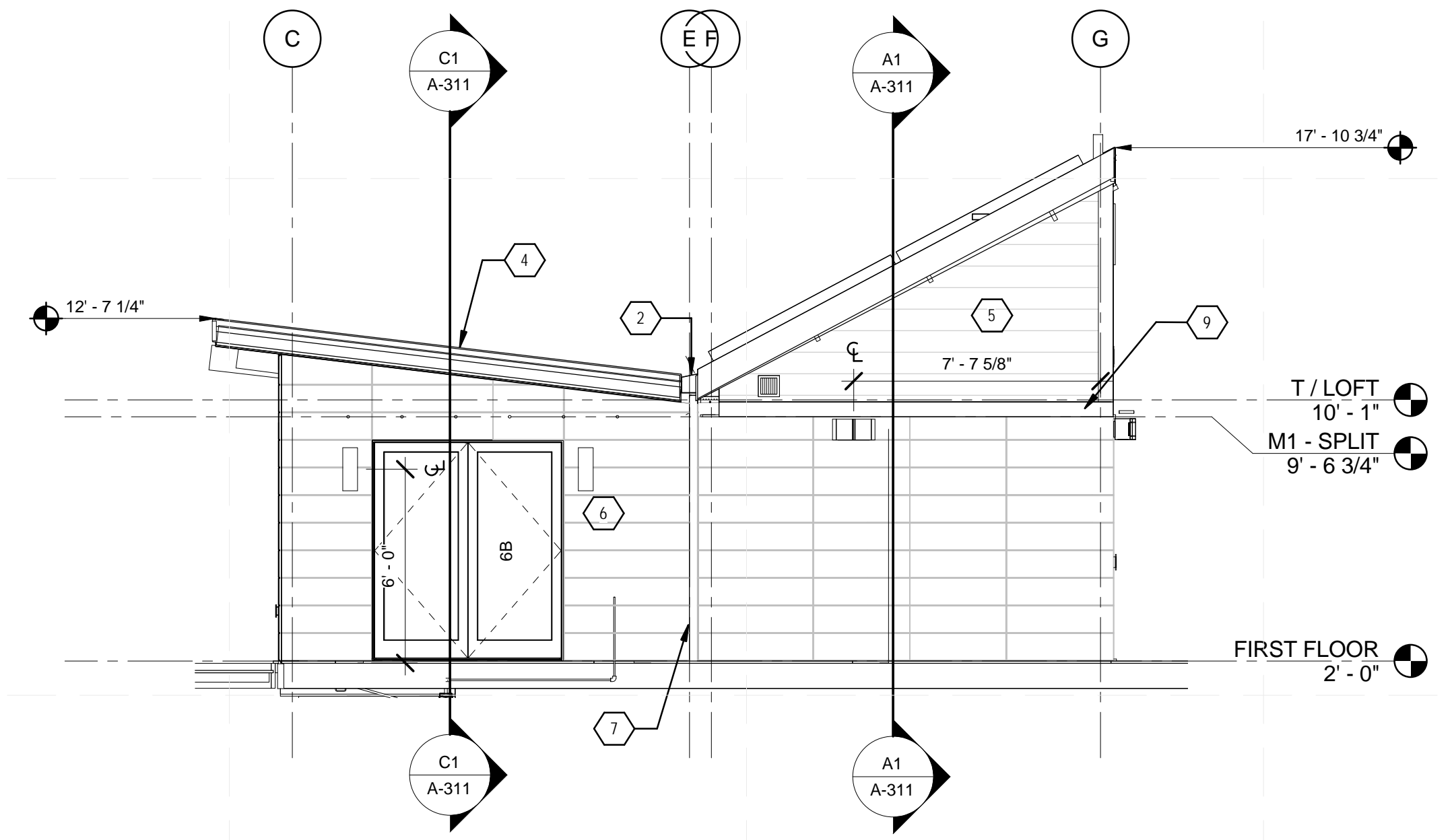
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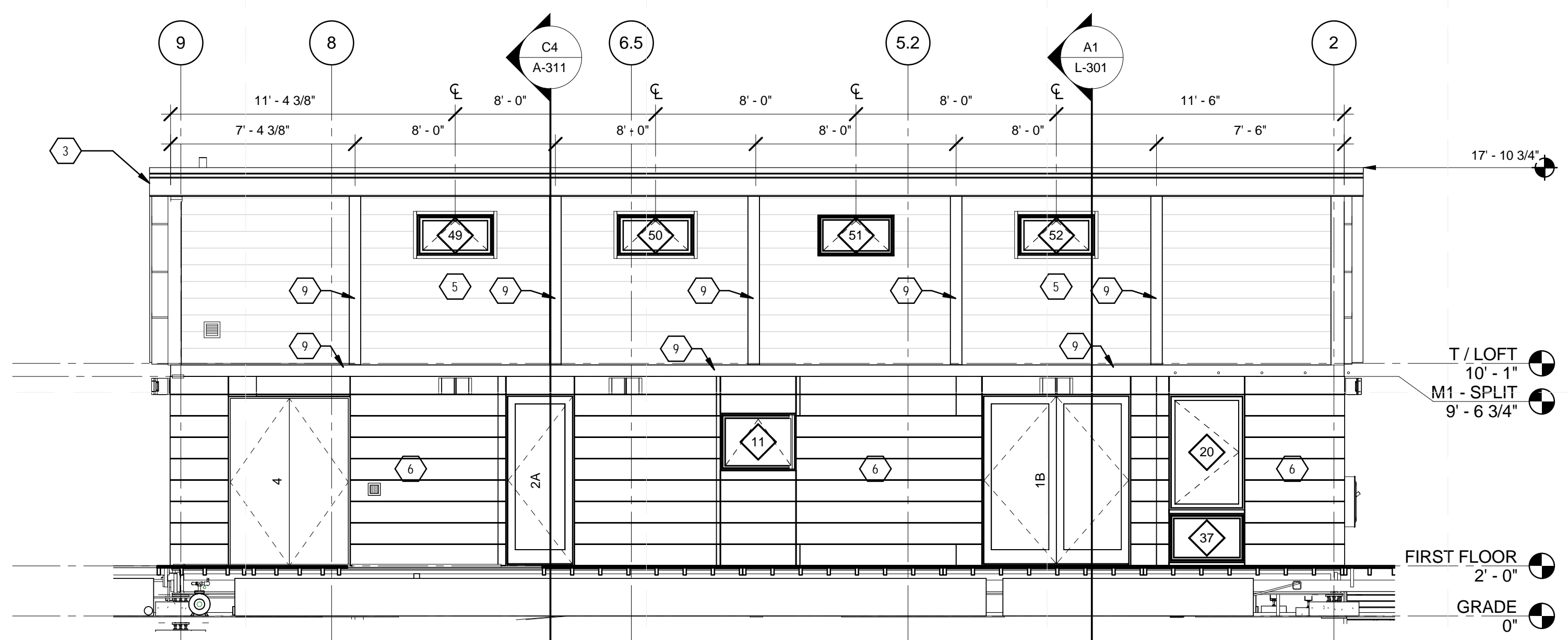
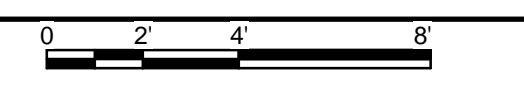
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SHEET TITLE
EXTERIOR BUILDING ELEVATIONS

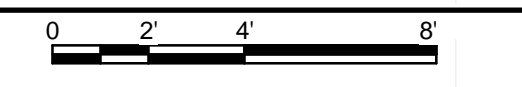
A-211



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



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



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SHEET KEYNOTES

- 1 STANDING SEAM METAL ROOF ON 8-1/4" SIPS
- 2 PREFINISHED BOX GUTTER
- 3 PREFINISHED BREAK METAL TO MATCH GUTTER
- 4 STANDING SEAM METAL ROOF ON 2X8 RAFTERS
- 5 WOOD SIDING
- 6 FIBER CEMENTITIOUS PANELS
- 7 PREFINISHED METAL DOWNSPOUT TO MATCH GUTTER
- 9 2X4 WOOD TRIM, FIELD INSTALL AFTER WALL ASSEMBLY
- 69 GREEN WALL



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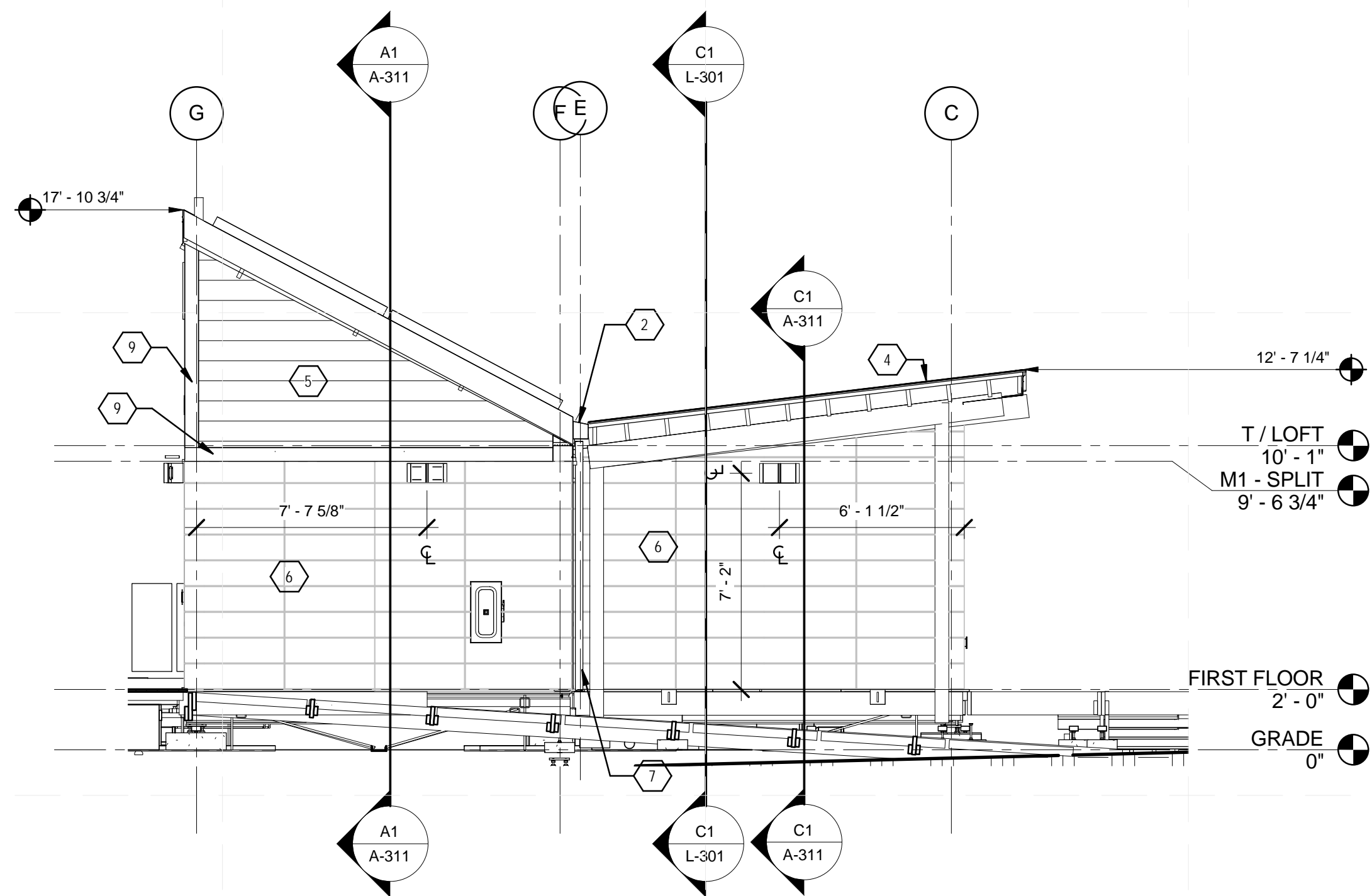
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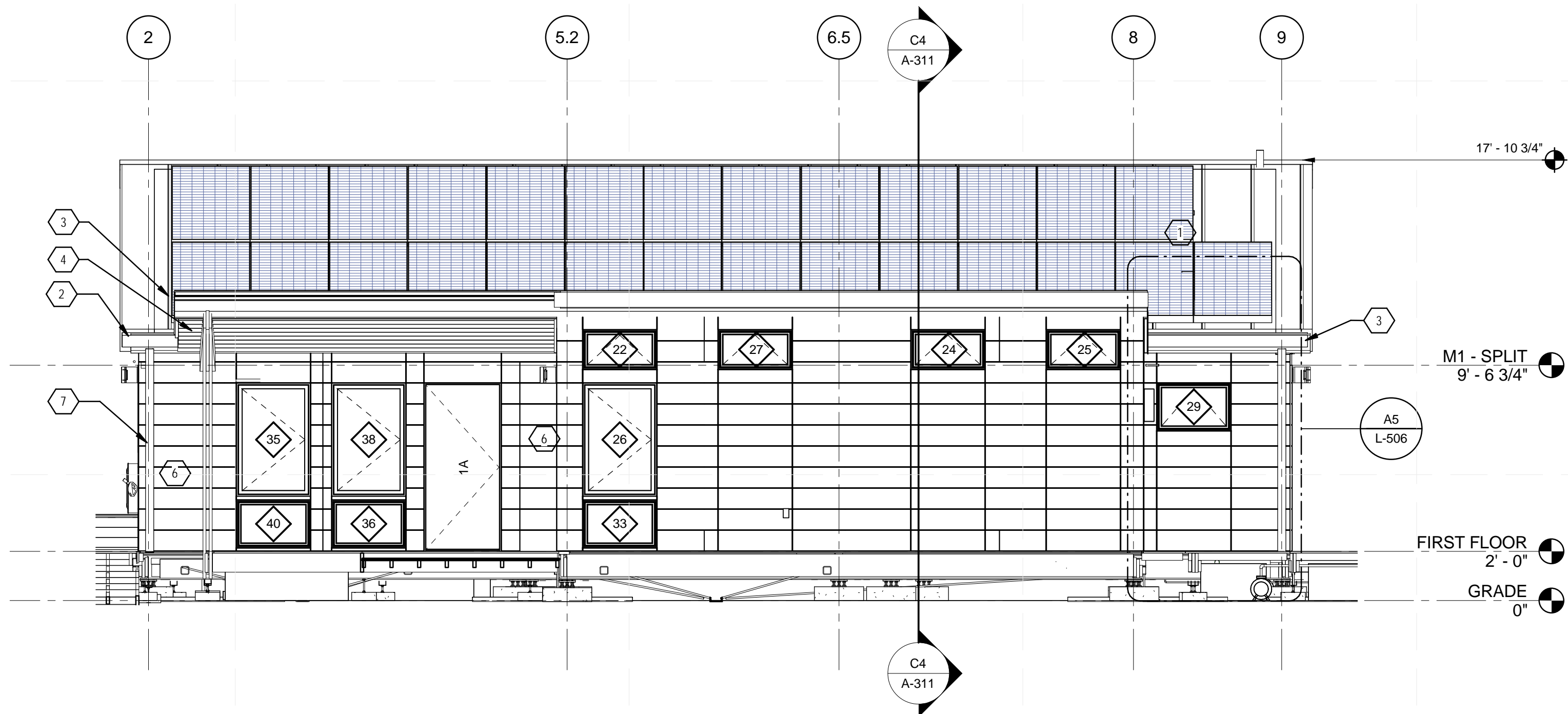
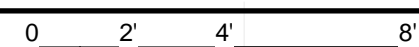
SHEET TITLE
EXTERIOR BUILDING ELEVATIONS

A-212



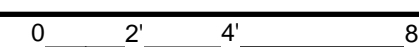
C1 WEST BUILDING ELEVATION

1/4" = 1'-0"



A1 SOUTH BUILDING ELEVATION

1/4" = 1'-0"



SHEET KEYNOTES

- 12 RECONFIGURABLE TABLE/DESK SHALL BE IN DESK CONFIGURATION DURING PUBLIC TOURS AND COMPETITIONS
- 15 BUILT-IN STORAGE/ ENTERTAINMENT UNIT
- 33 1/2" GYPSUM BOARD ON SIP



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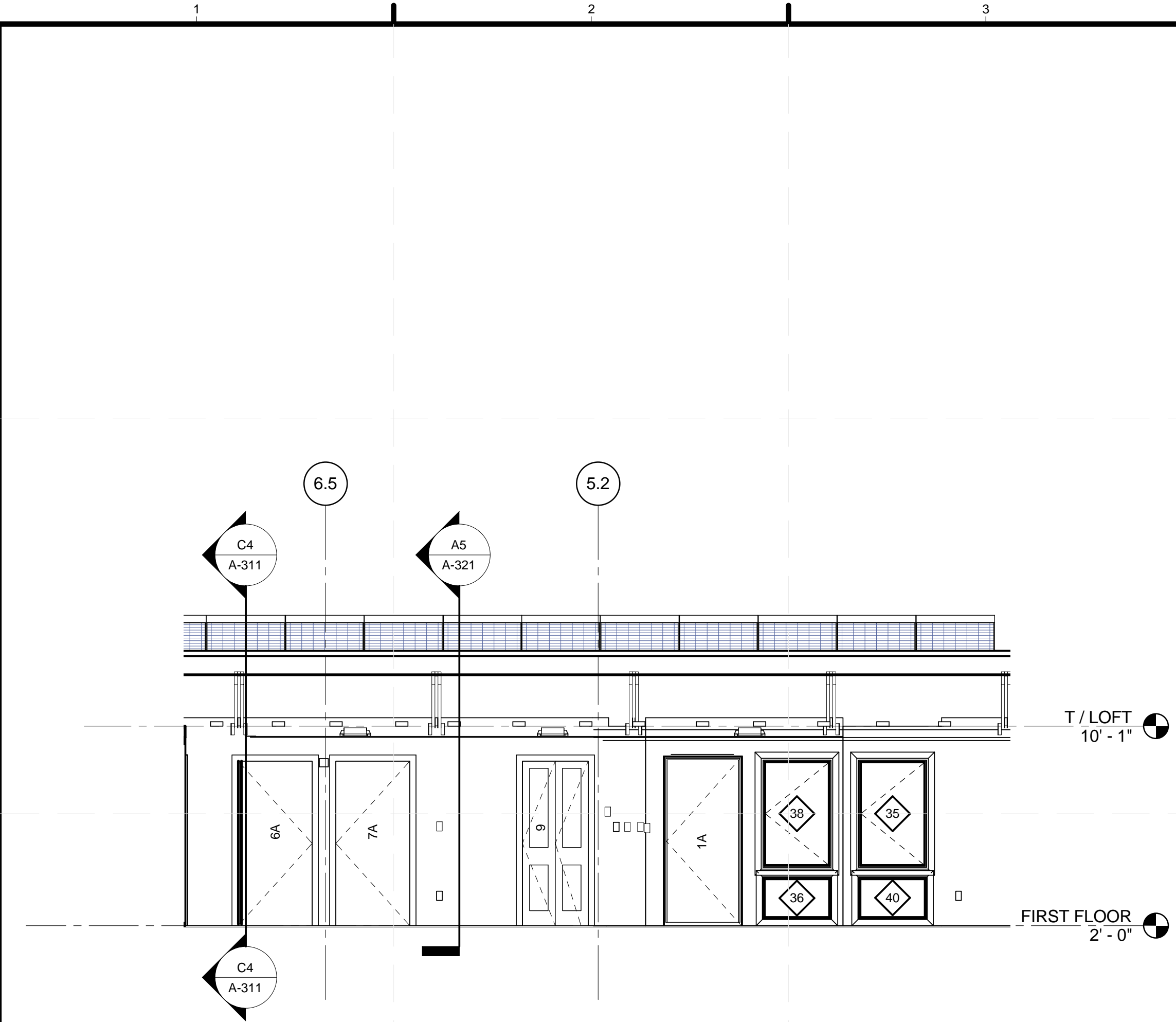
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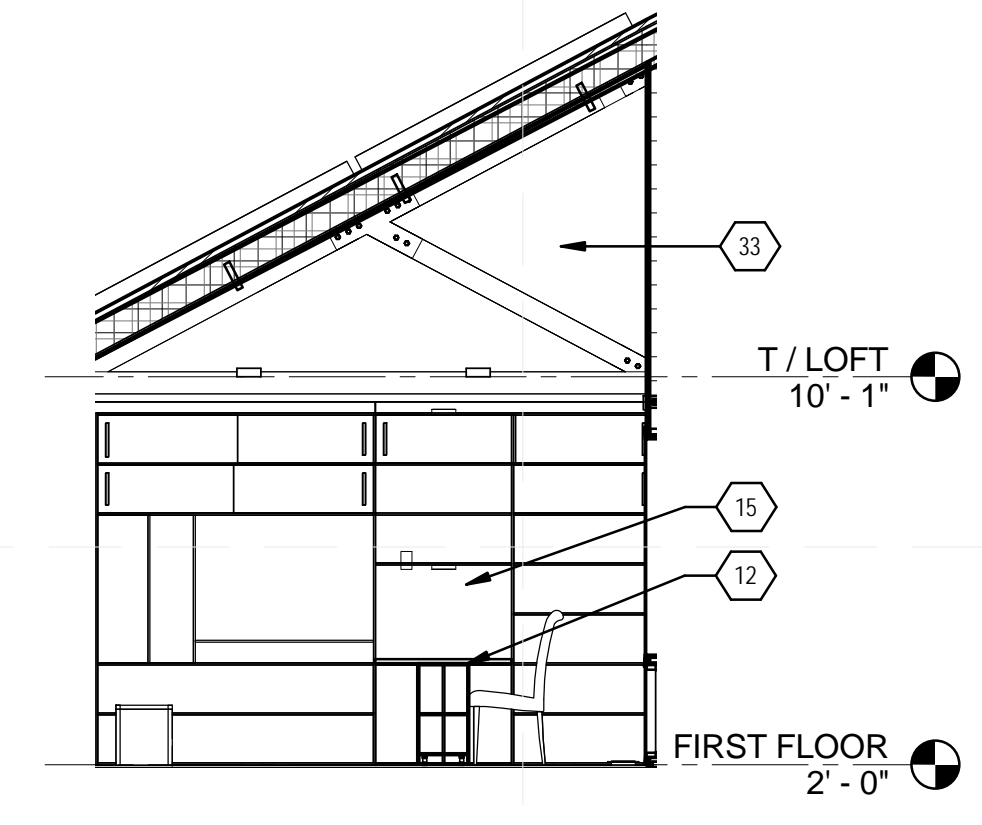
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SHEET TITLE
MODULE 1 INTERIOR ELEVATIONS

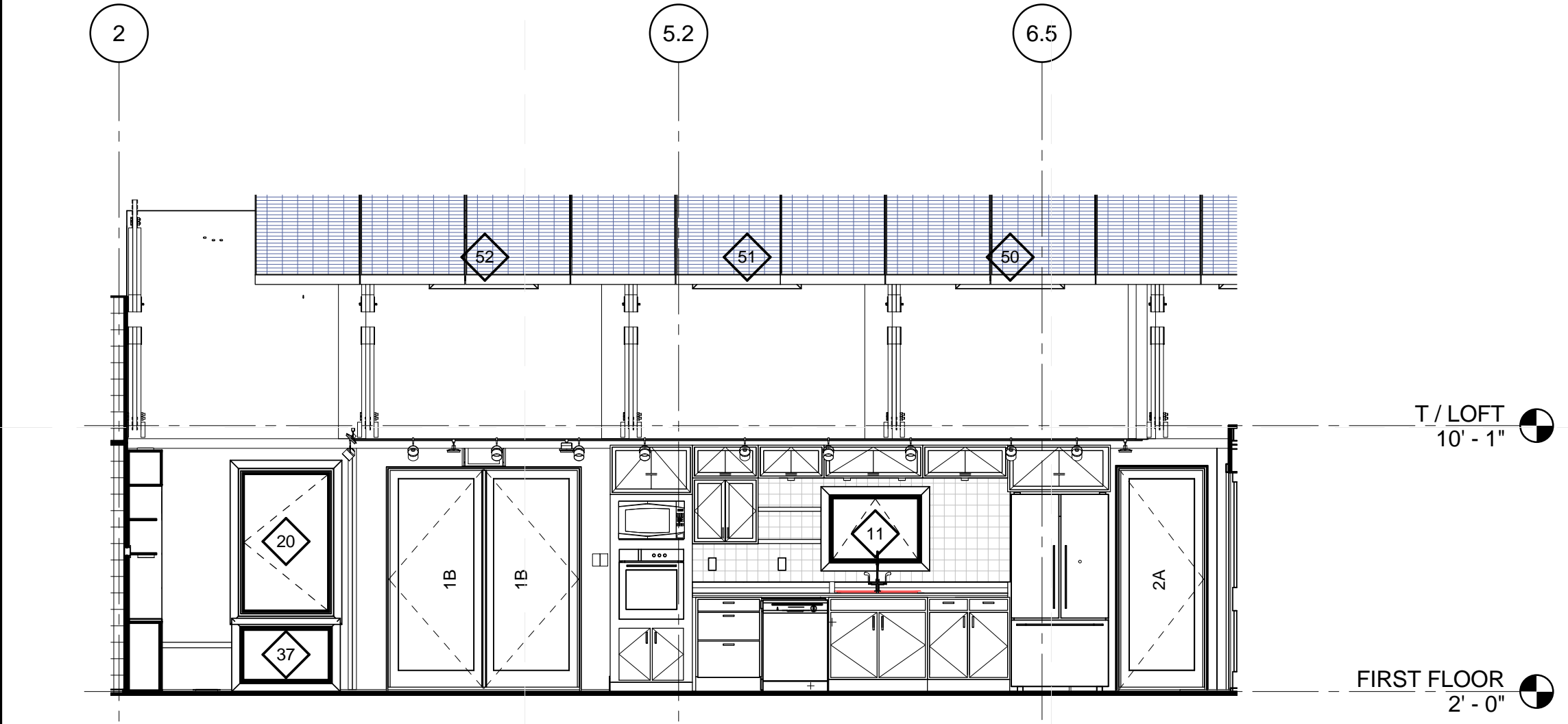
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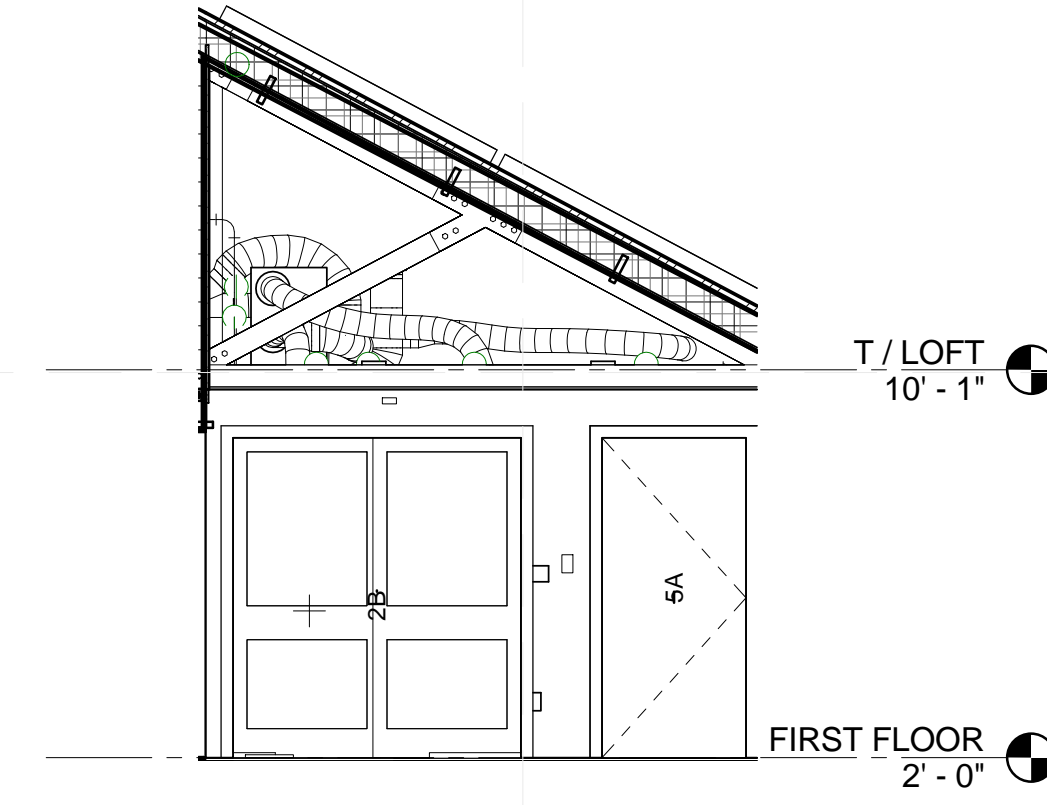
(C1) MODULE 1 SOUTH ELEVATION
 1/4" = 1'-0"



(C4) LIVING WEST ELEVATION
 1/4" = 1'-0"



(A1) MODULE 1 NORTH ELEVATION
 1/4" = 1'-0"



(A4) KITCHEN EAST ELEVATION
 1/4" = 1'-0"

8/22/2013 12:57:36 PM

REFERENCE KEYNOTES

06 11 00	WOOD FRAMING
06 12 00	STRUCTURAL PANELS
07 21 19	FOAMED-IN PLACE INSULATION
08 16 13	FIBERGLASS DOORS



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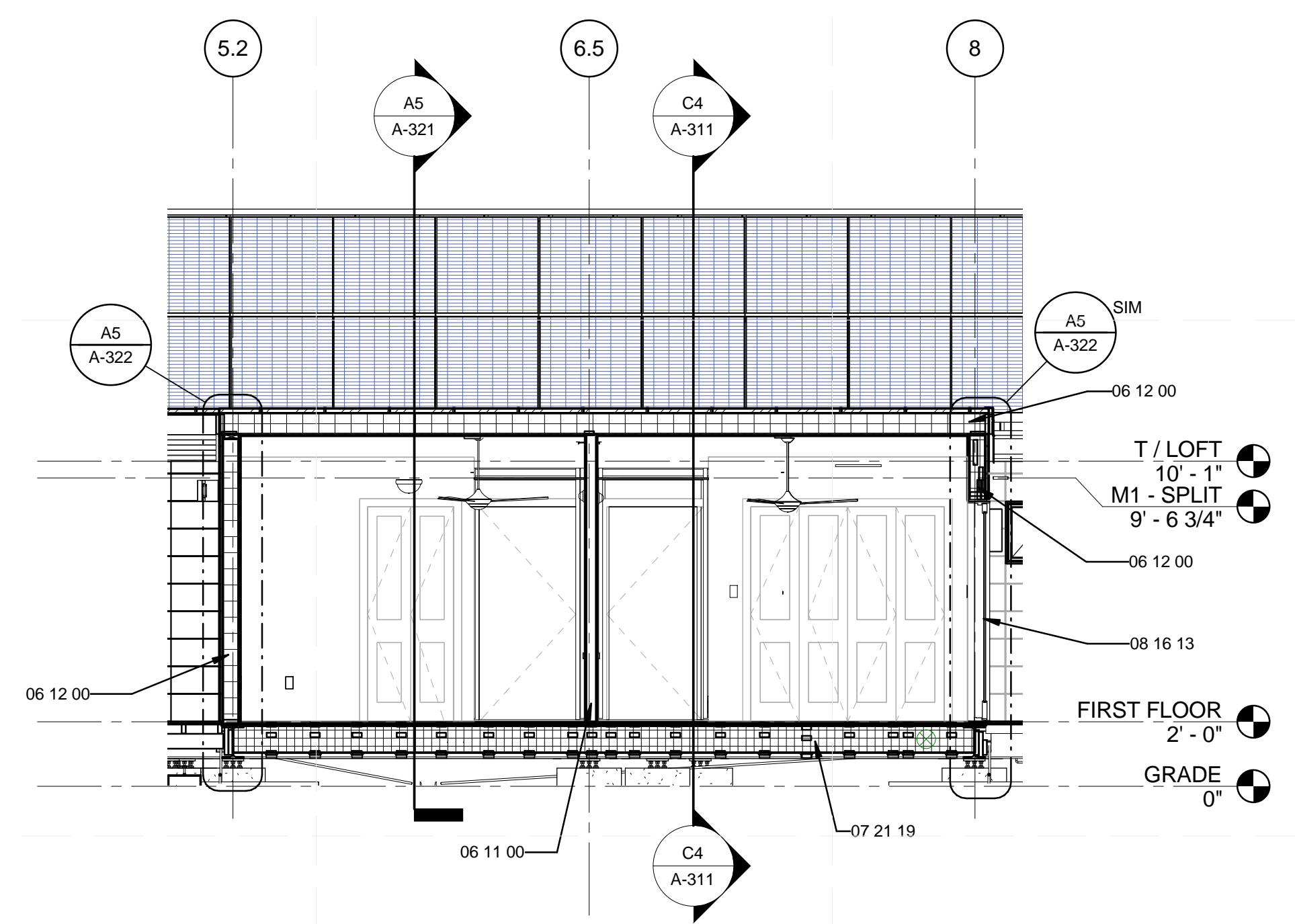
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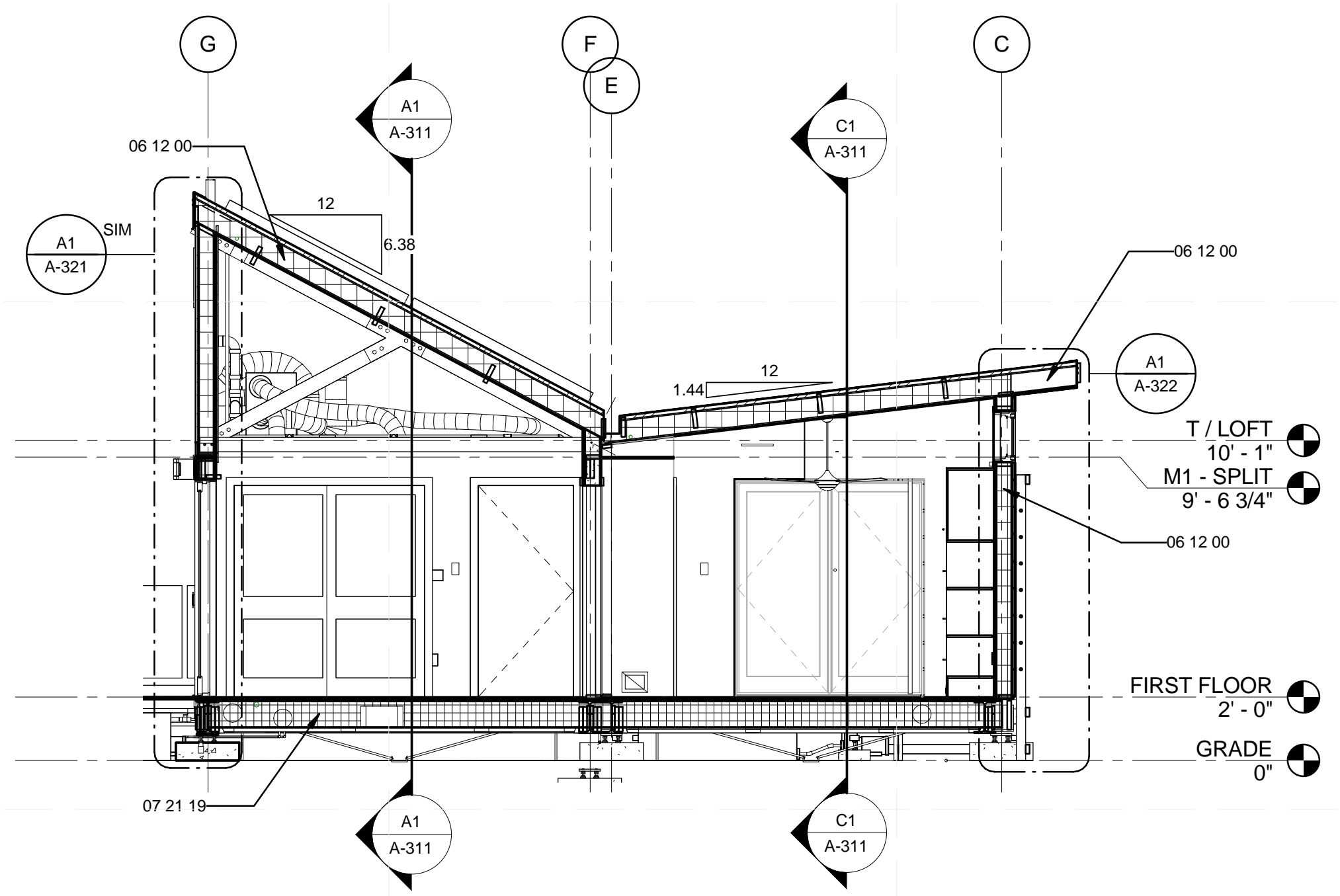
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SHEET TITLE
 BUILDING SECTIONS

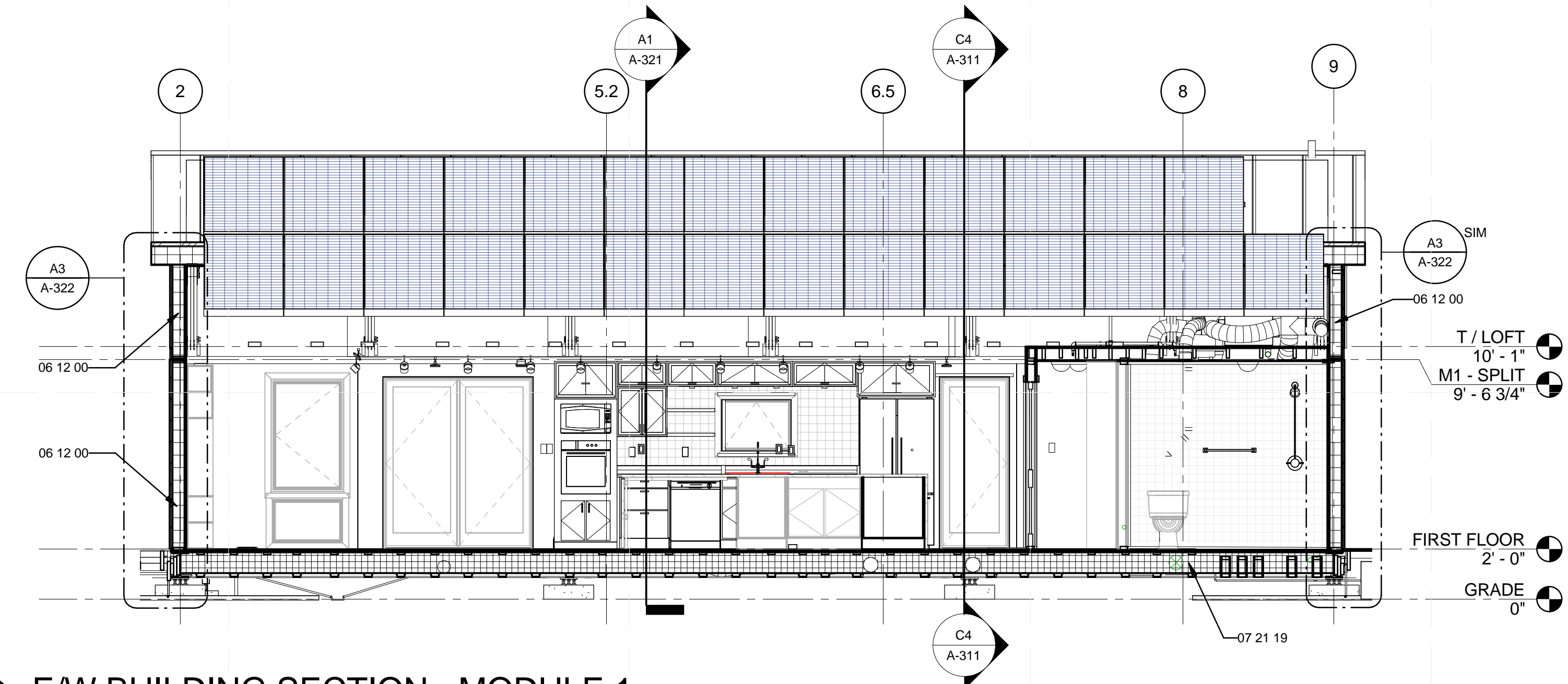
A-311



C1 E/W BUILDING SECTION - MODULE 2
 1/4" = 1'-0"
 0 2' 4' 8'



C4 N/S BUILDING SECTION THROUGH BED 1 AND KITCHEN
 1/4" = 1'-0"



A1 E/W BUILDING SECTION - MODULE 1
 1/4" = 1'-0"
 0 2' 4' 8'

8/22/2013 12:57:52 PM

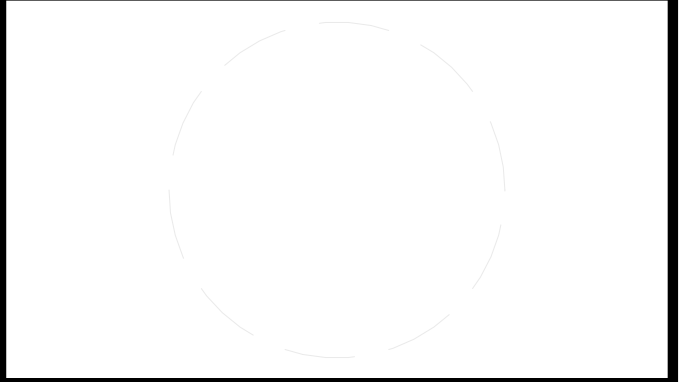
REFERENCE KEYNOTES

05 40 00.B2	3/4" HAT CHANNEL
06 11 00.A8	DOUBLE TOP PLATE
06 11 00.F1	2X6
06 11 00.F2	2X6 FRAMING
06 11 00.G1	2X8
06 11 00.G11	2X8 RAFTERS
06 11 00.G15	DBL 2X8 HEADER
06 12 00	STRUCTURAL PANELS
06 16 00.D18	7/16" OSB
07 14 16	COLD FLUID-APPLIED WATERPROOFING
07 21 13.13	FOAM BOARD INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 41 13	METAL ROOF PANELS
07 44 56	MINERAL-FIBER-REINFORCED CEMENTITIOUS PANELS
07 46 23	RECLAIMED WOOD SIDING
07 46 23.A1	RECLAIMED WOOD HORIZONTAL "6" TRIM
07 71 13	MANUFACTURED COPINGS
08 54 13	FIBERGLASS WINDOWS
09 29 00.A3	1/2" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING
32 94 33	PLANTERS



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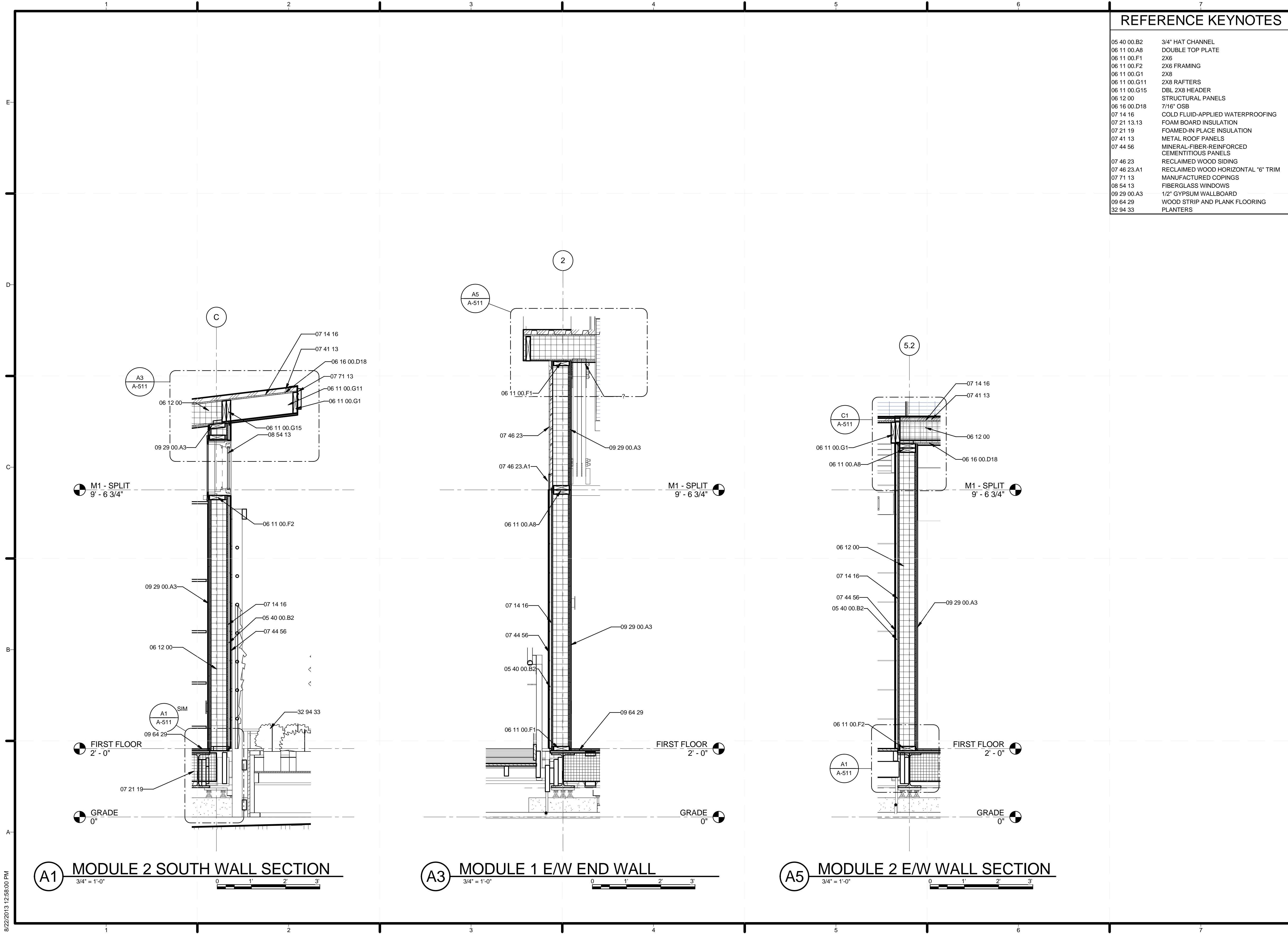
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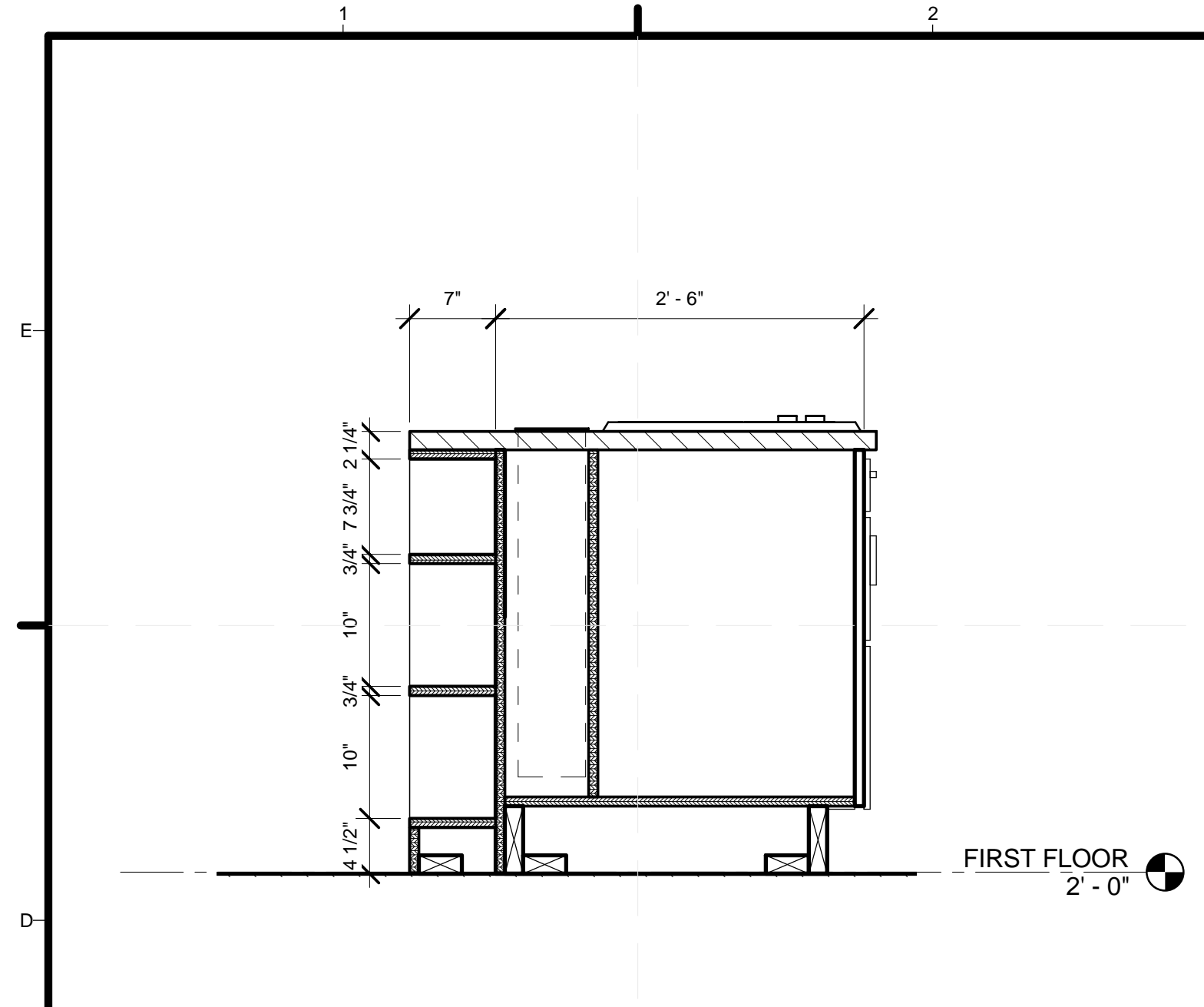
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SHEET TITLE
 WALL SECTIONS

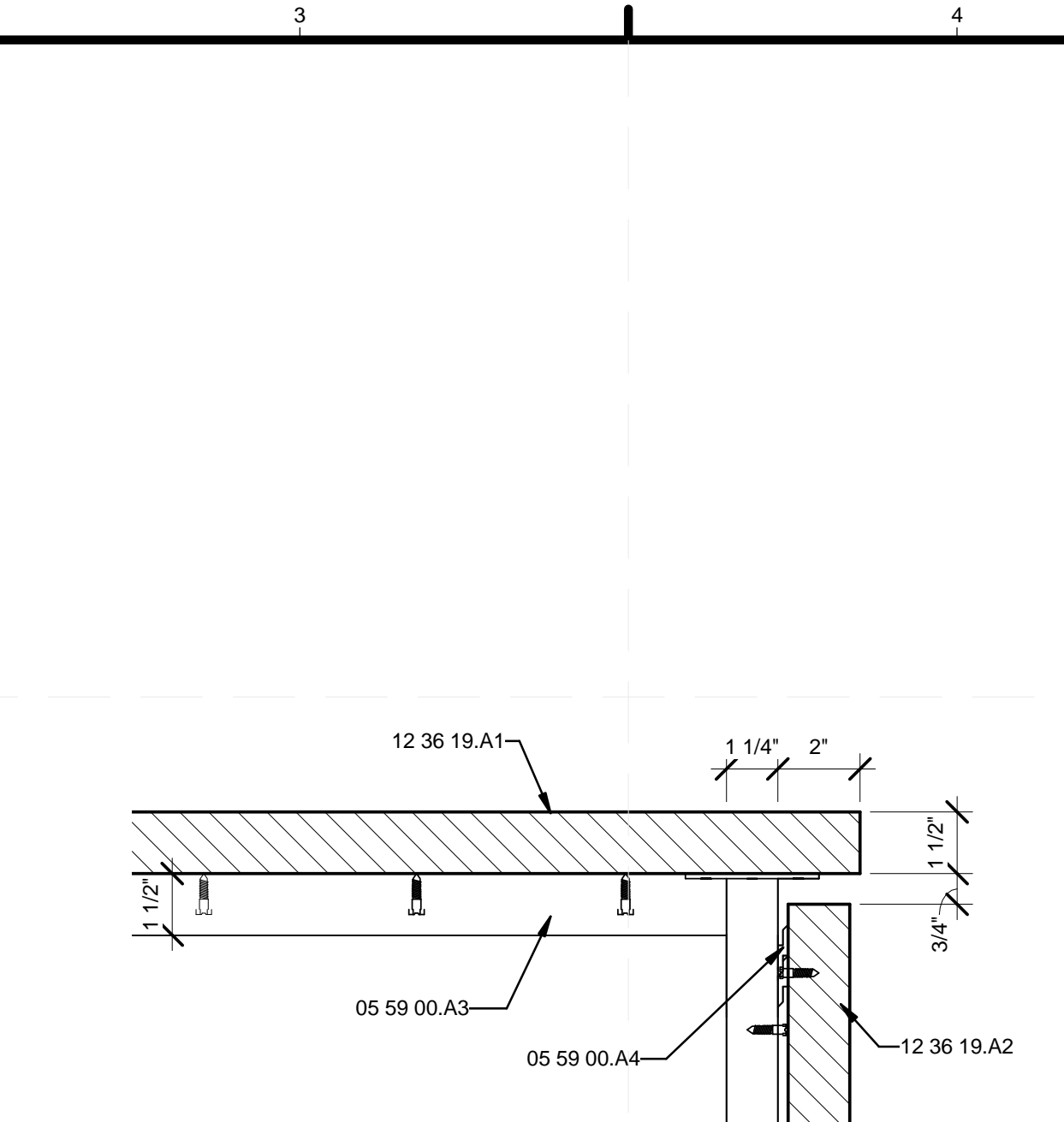
A-322



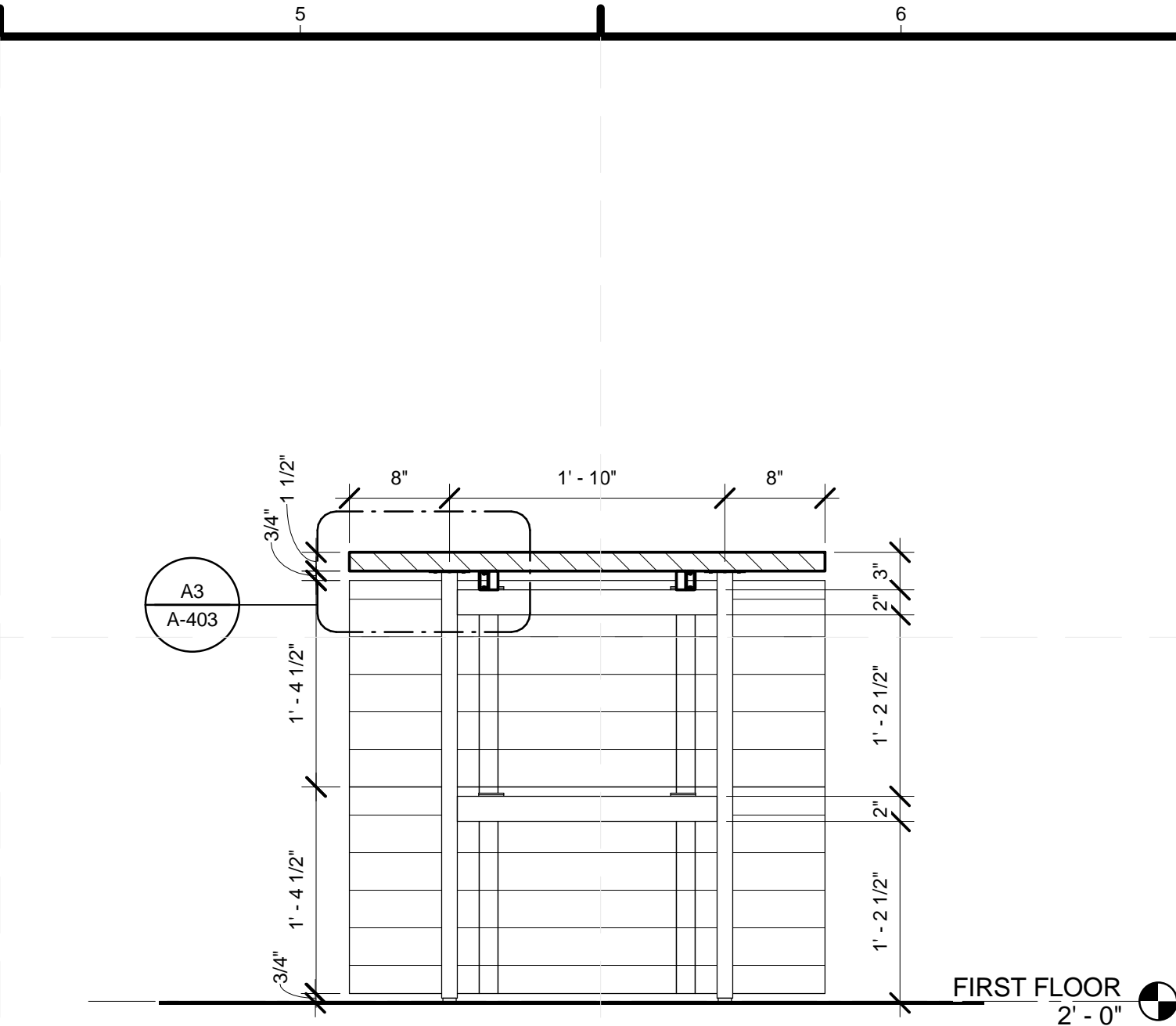
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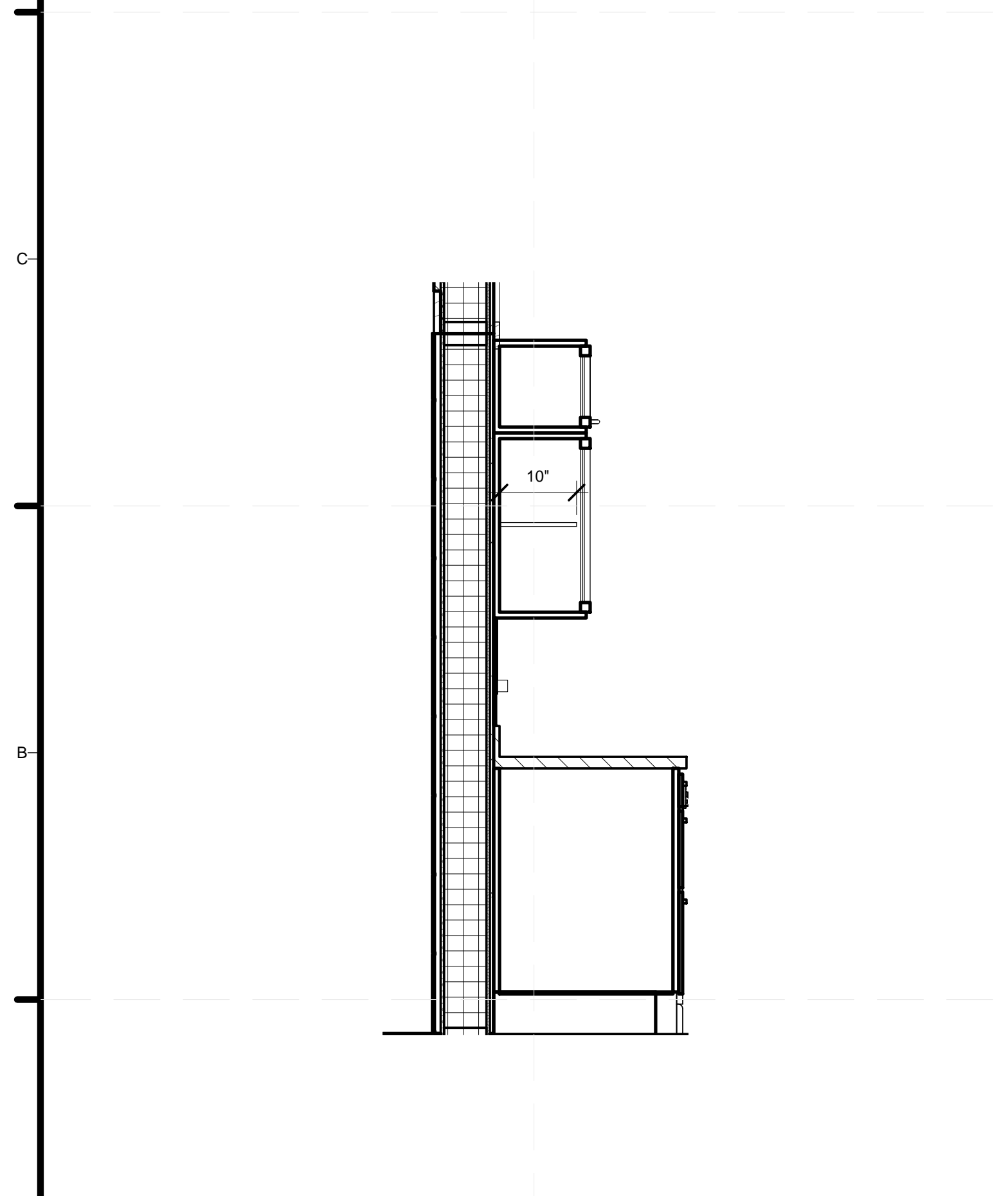
D1 ISLAND COOKTOP CASEWORK SECTION
1" = 1'-0"



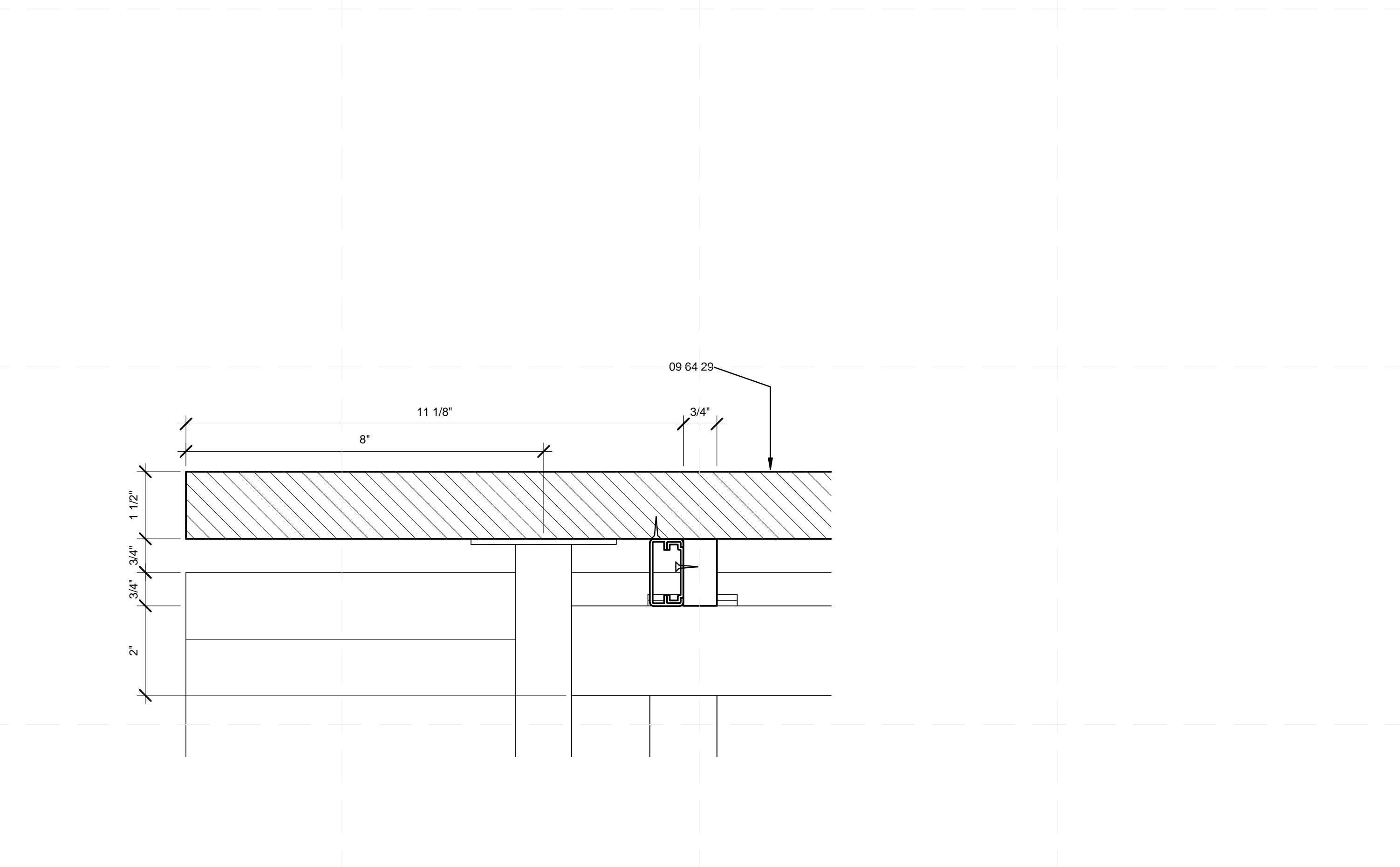
D3 ISLAND TABLE LEAF CONNECTION
3" = 1'-0"



D5 ISLAND TABLE WEST ELEVATION
1" = 1'-0"



A1 KITCHEN CASEWORK SECTION
3/4" = 1'-0"



A3 ENLARGED ISLAND TABLE END SUPPORT DETAIL
6" = 1'-0"

REFERENCE KEYNOTES

05 59 00.A3	KITCHEN TABLE EXTENSION FRAME
05 59 00.A4	KITCHEN TABLE LEAF HANGER CLIPS
09 64 29	WOOD STRIP AND PLANK FLOORING
12 36 19.A1	WOOD KITCHEN TABLE
12 36 19.A2	WOOD KITCHEN TABLE EXTENSION LEAF



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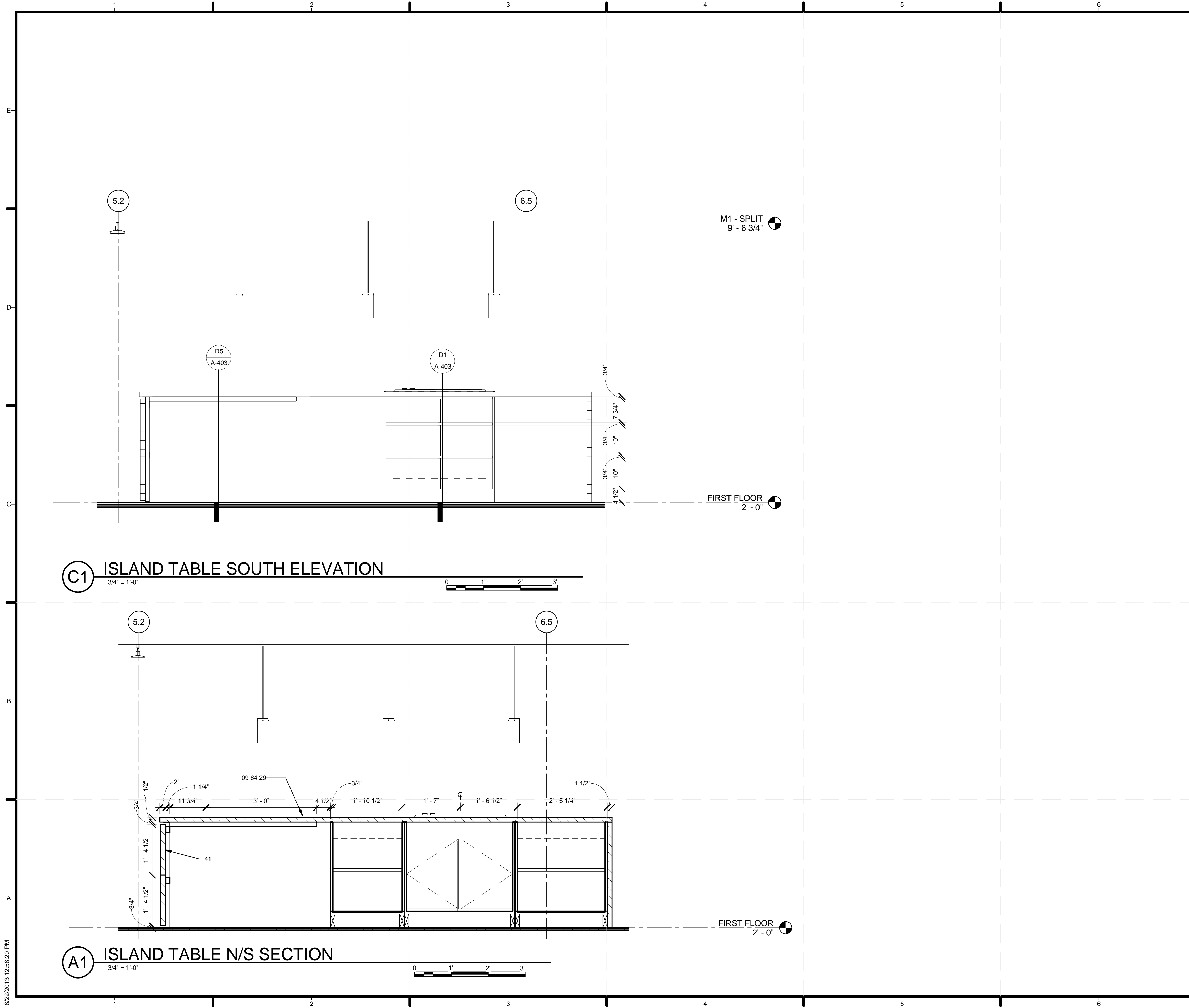
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SHEET TITLE
KITCHEN DETAILS

A-403

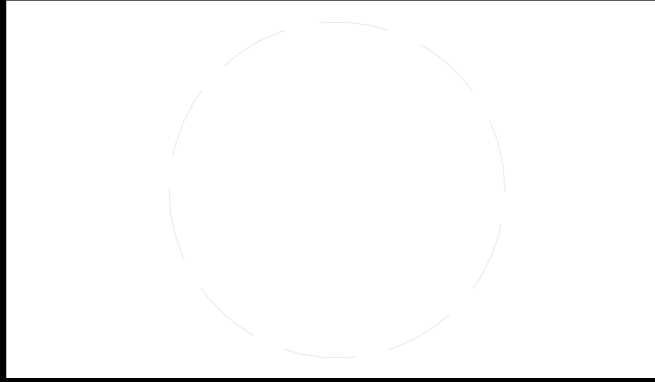


GENERAL SHEET NOTES	
REFERENCE KEYNOTES	
09 64 29	WOOD STRIP AND PLANK FLOORING
SHEET KEYNOTES	
41	TABLE TOP LEAVES



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 DRAWN BY: SARAH YACKO
 CHECKED BY: JAMIE OWENS
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SHEET TITLE
 KITCHEN DETAILS

A-404

8/22/2013 12:58:20 PM

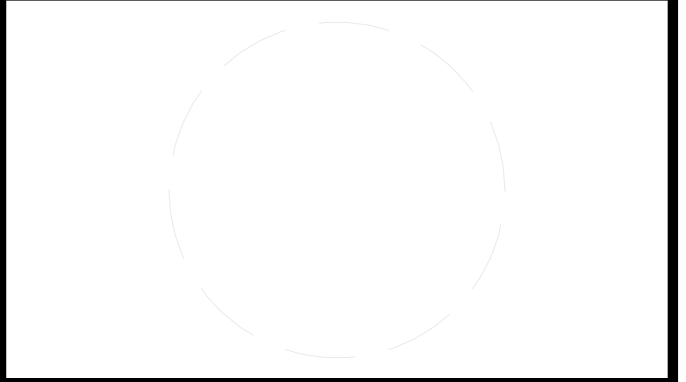
REFERENCE KEYNOTES

05 40 00.B2	3/4" HAT CHANNEL
06 05 23.L0	HOLD DOWN
06 11 00.D3	2X4 FRAMING
06 11 00.F2	2X6 FRAMING
06 12 00	STRUCTURAL PANELS
06 22 00.A4	1X4 WOOD TRIM
06 22 00.A6	1X6 WOOD TRIM
07 14 16	COLD FLUID-APPLIED WATERPROOFING
07 21 13.13	FOAM BOARD INSULATION
07 21 19	FOAMED-IN PLACE INSULATION
07 26 00	VAPOR RETARDERS
07 44 56	MINERAL-FIBER-REINFORCED CEMENTITIOUS PANELS
07 46 23	RECLAIMED WOOD SIDING
07 71 23	MANUFACTURED GUTTERS AND DOWNSPOUTS
08 54 13	FIBERGLASS WINDOWS
09 29 00.A3	1/2" GYPSUM WALLBOARD
09 30 13	CERAMIC TILING



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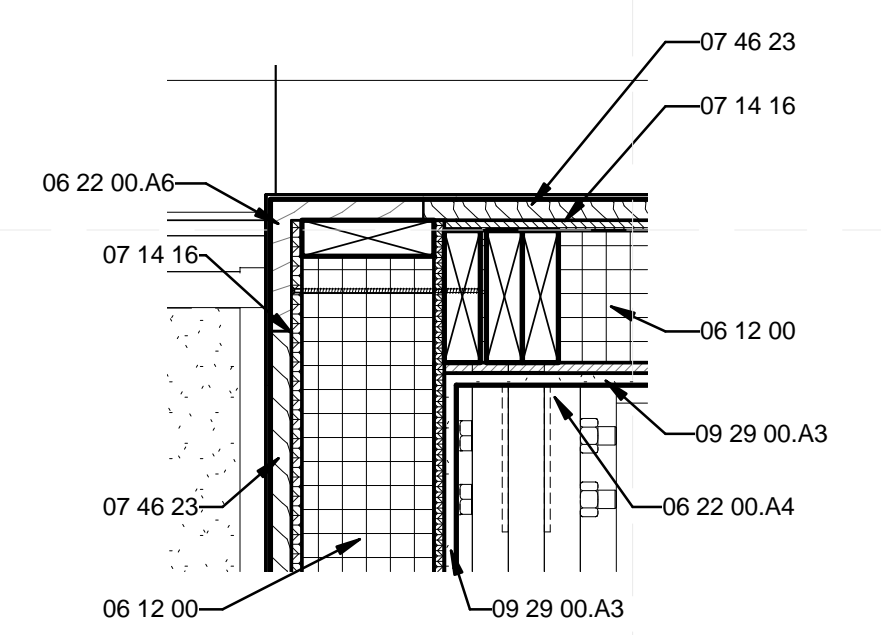
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02	11/20/2012	DD RESUBMISSION
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04	04/05/2013	CD RESUBMISSION
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MARK	DATE	DESCRIPTION
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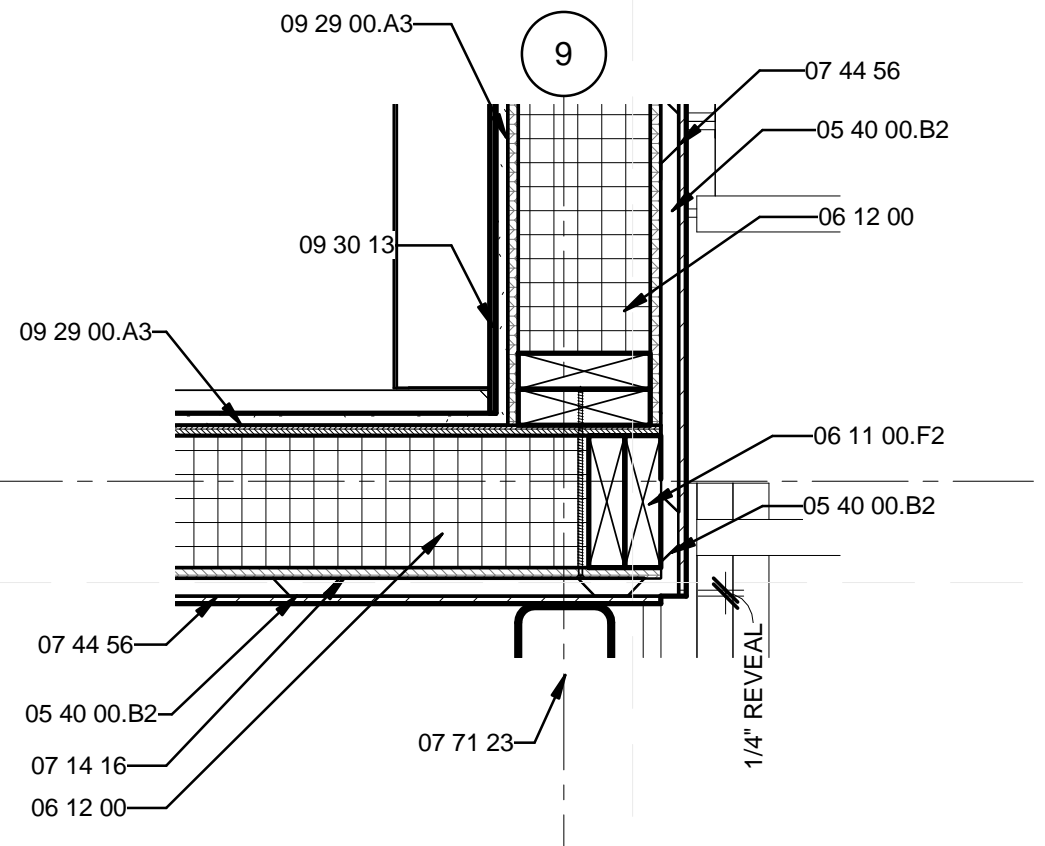
LOT NUMBER: 113
 DRAWN BY: JAMIE OWENS
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SHEET TITLE
PLAN DETAILS

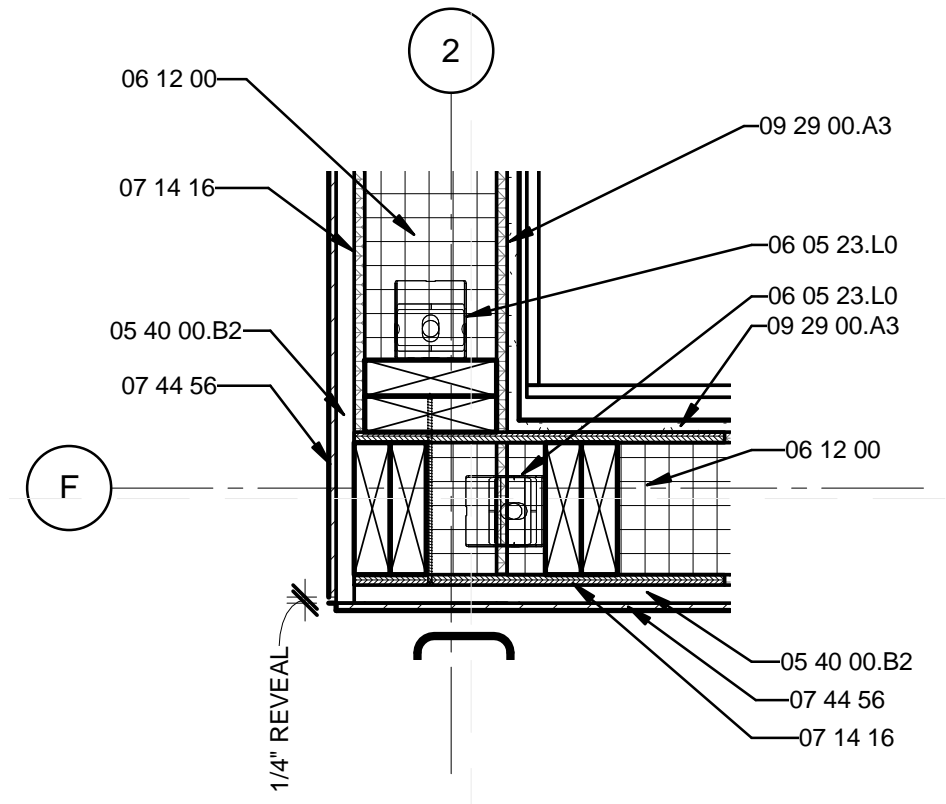
A-501



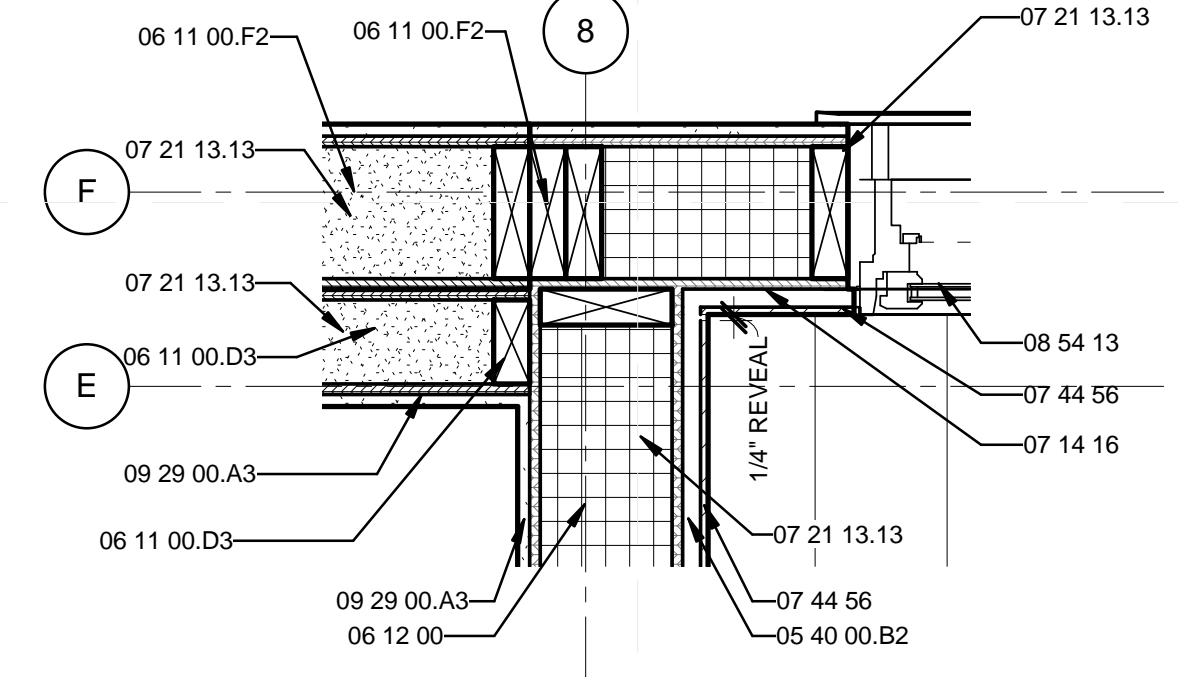
C1 SIP CORNER W/ EXTERIOR WOOD SIDING
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A1 6 1/2 SIPS WALL CORNER
 W/ BATHROOM TILE
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A3 6 1/2 SIPS STUD CORNER -
 PLYWOOD + WOOD SIDING INTERIOR
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A5 MODULE 1 / MODULE 2 CONNECTION
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"

8/22/2013 12:58:25 PM

REFERENCE KEYNOTES

05 40 00.B2	3/4" HAT CHANNEL
06 11 00	WOOD FRAMING
06 11 00.A8	DOUBLE TOP PLATE
06 11 00.F2	2X6 FRAMING
06 11 00.G1	2X8
06 12 00	STRUCTURAL PANELS
06 16 00.D18	7/16" OSB
06 16 00.E4	3/4" T&G STRAND BOARD DECKING
06 22 00.A4	1X4 WOOD TRIM
06 46 00.G0	WOOD CASING
07 14 16	COLD FLUID-APPLIED WATERPROOFING
07 21 19	FOAMED-IN PLACE INSULATION
07 41 13	METAL ROOF PANELS
07 44 56	MINERAL-FIBER-REINFORCED CEMENTITIOUS PANELS
07 46 23	RECLAIMED WOOD SIDING
07 60 00	FLASHING AND SHEET METAL
07 71 13	MANUFACTURED COPINGS
08 54 13	FIBERGLASS WINDOWS
09 29 00.A3	1/2" GYPSUM WALLBOARD
09 64 29	WOOD STRIP AND PLANK FLOORING



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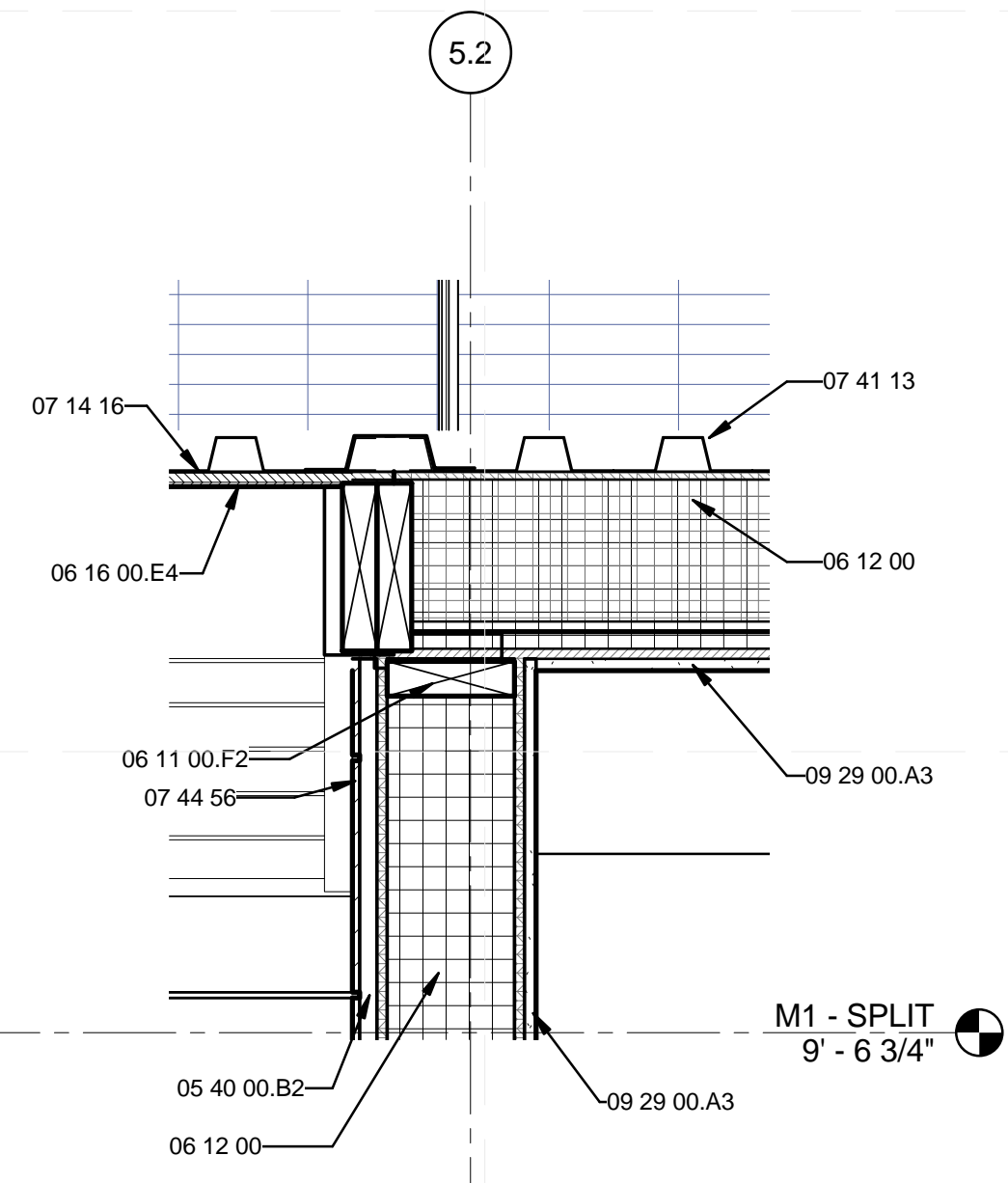
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02	11/20/2012	DD RESUBMISSION
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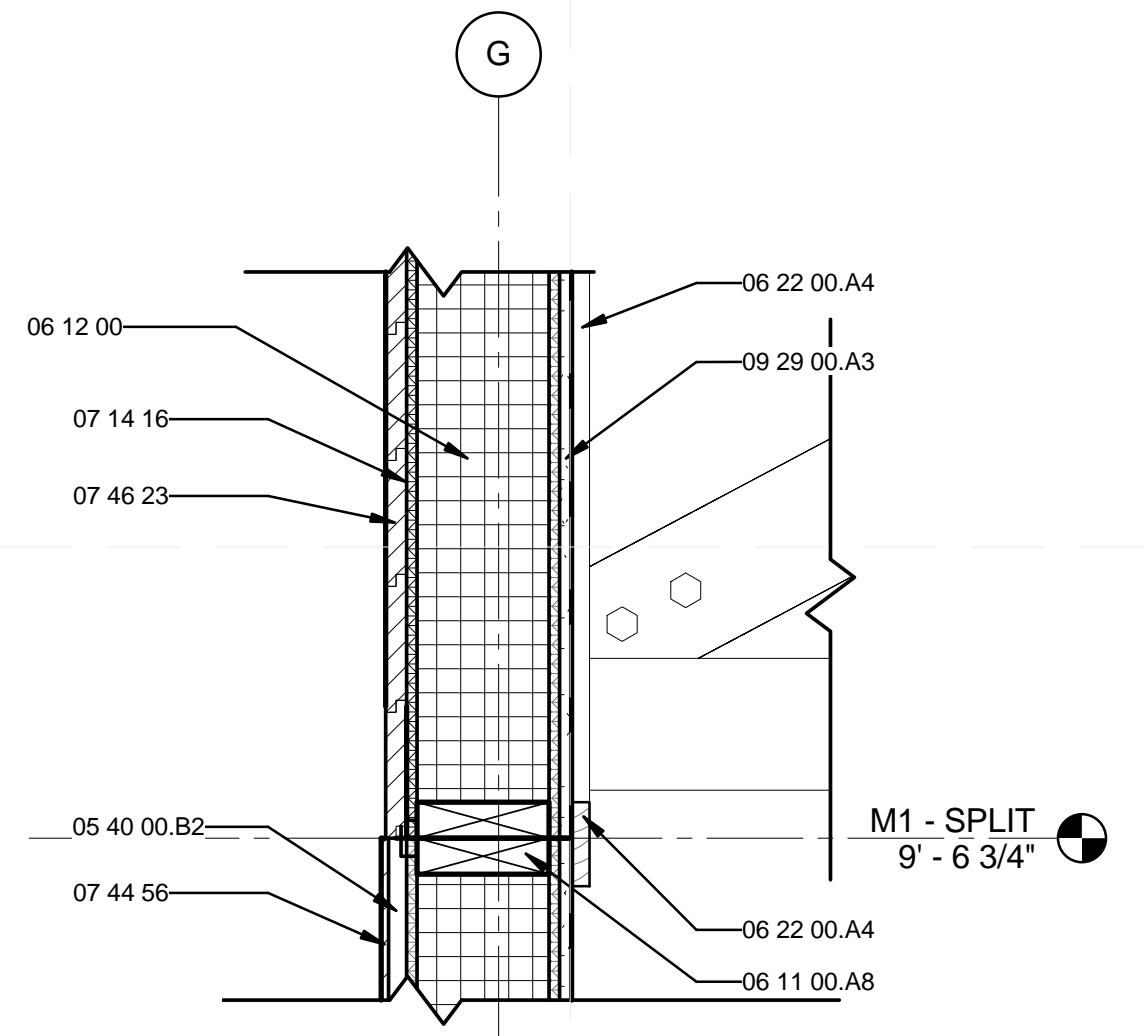
LOT NUMBER: 113
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SECTION DETAILS

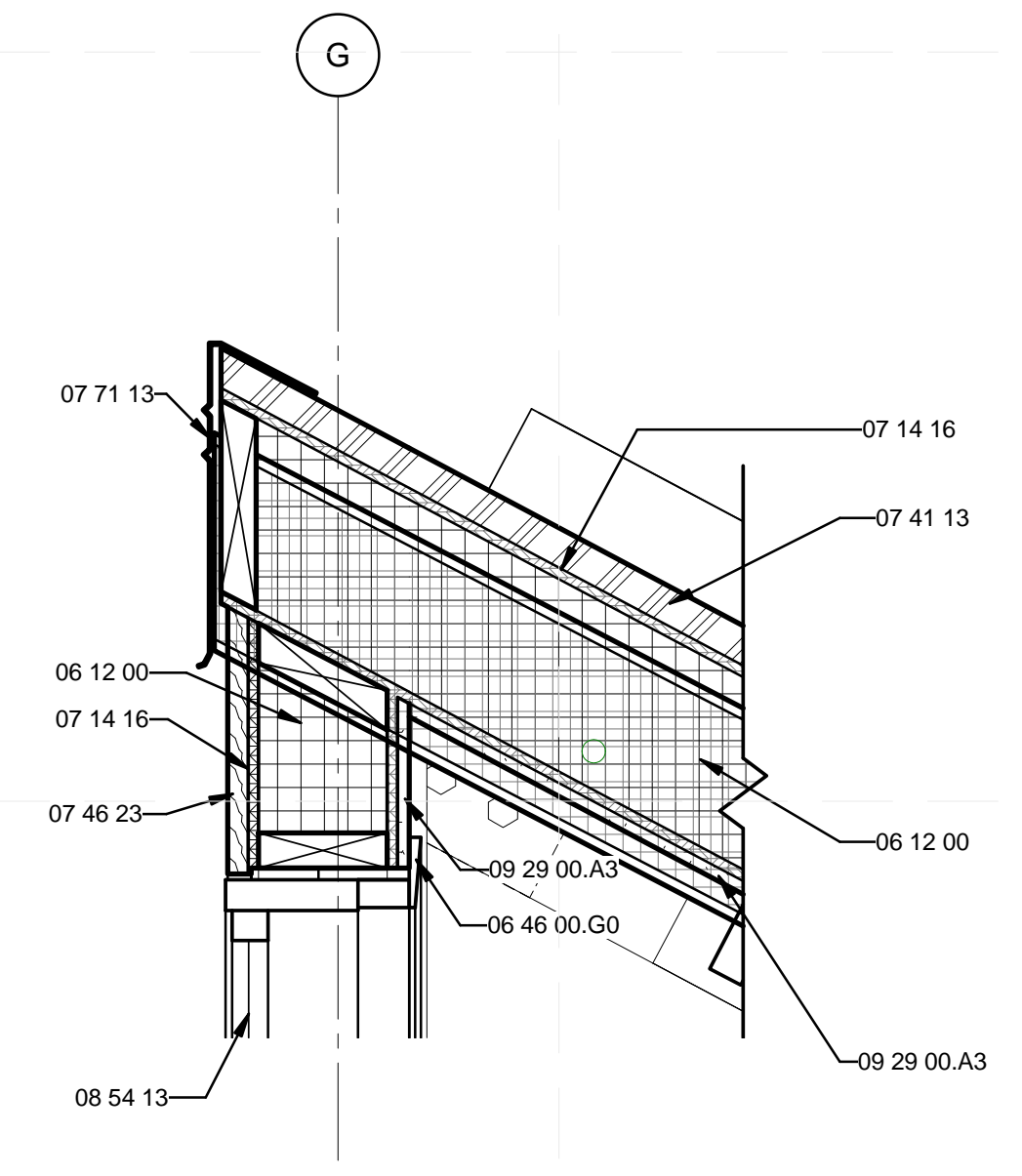
A-511



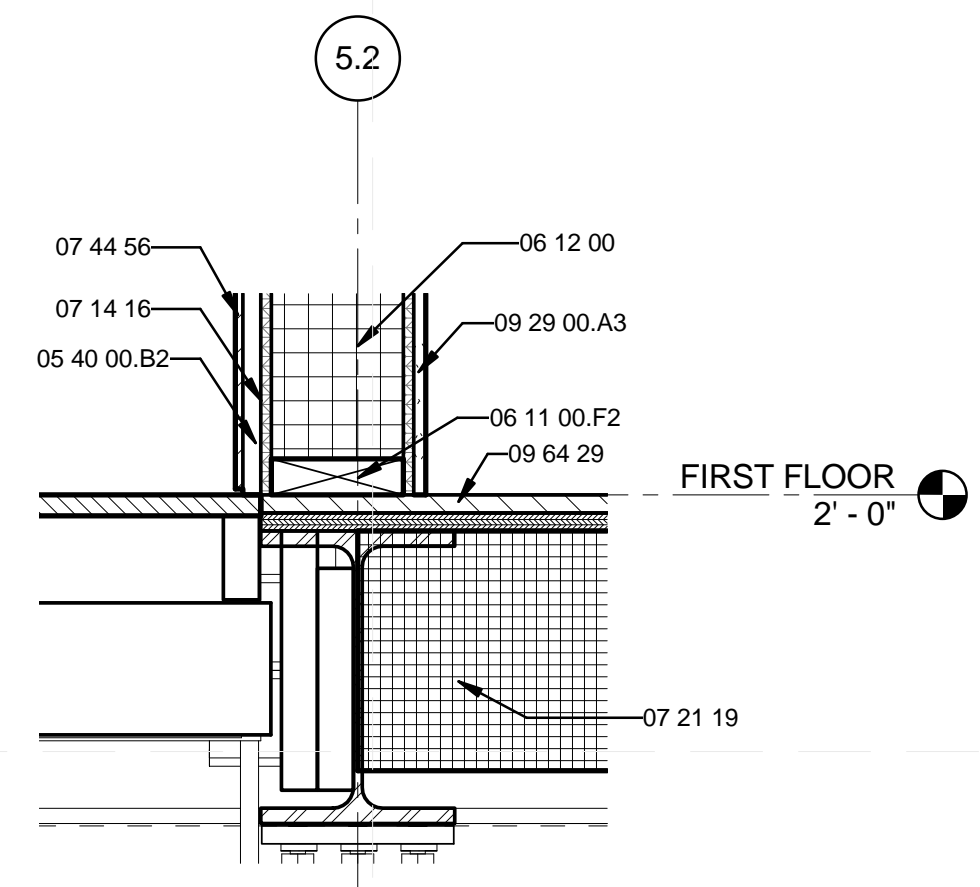
C1 MODULE 2 E/W ROOF CONNECTION
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



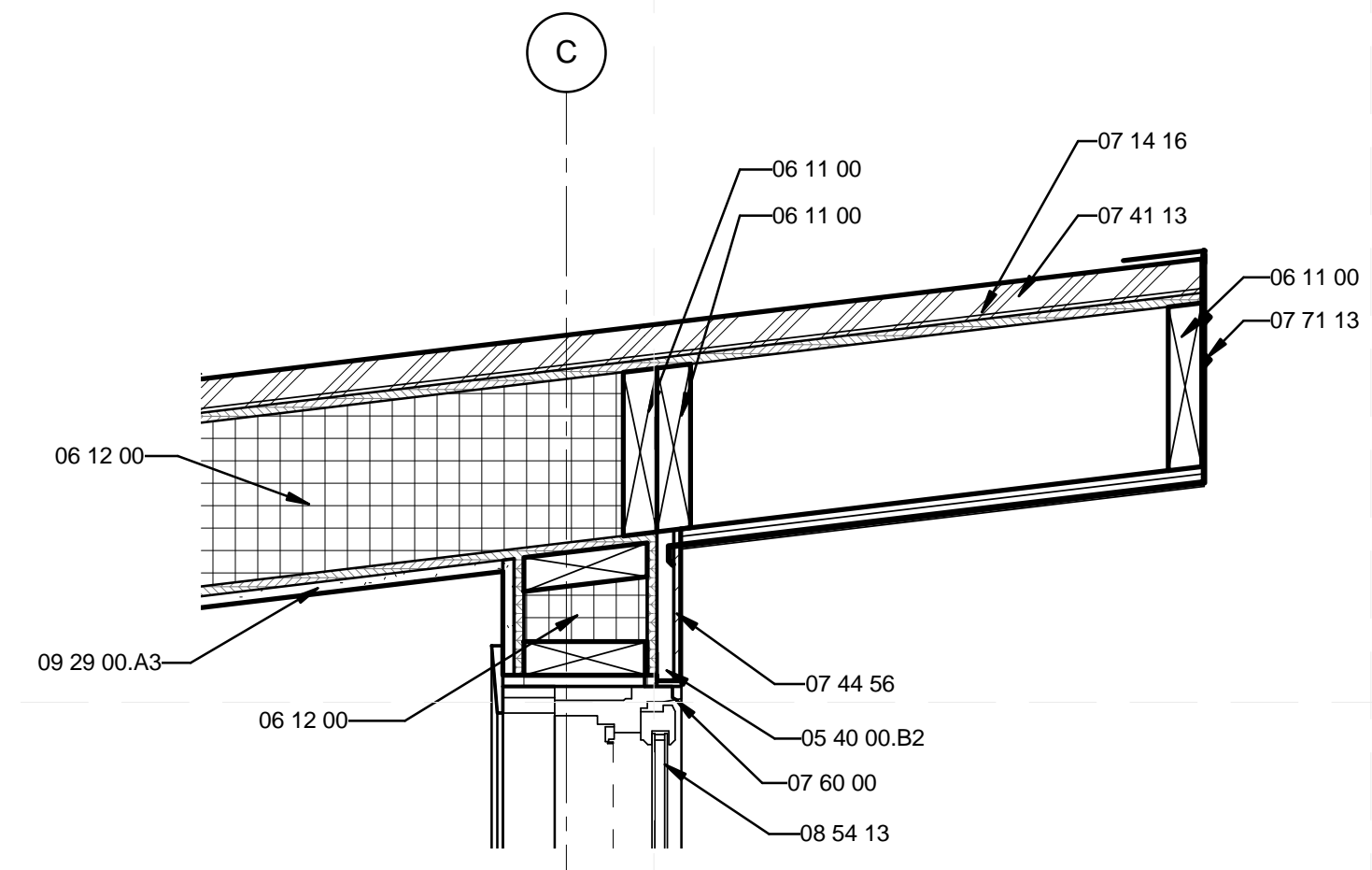
C3 TYP M1 HORIZONTAL NORTH WALL SPLIT
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



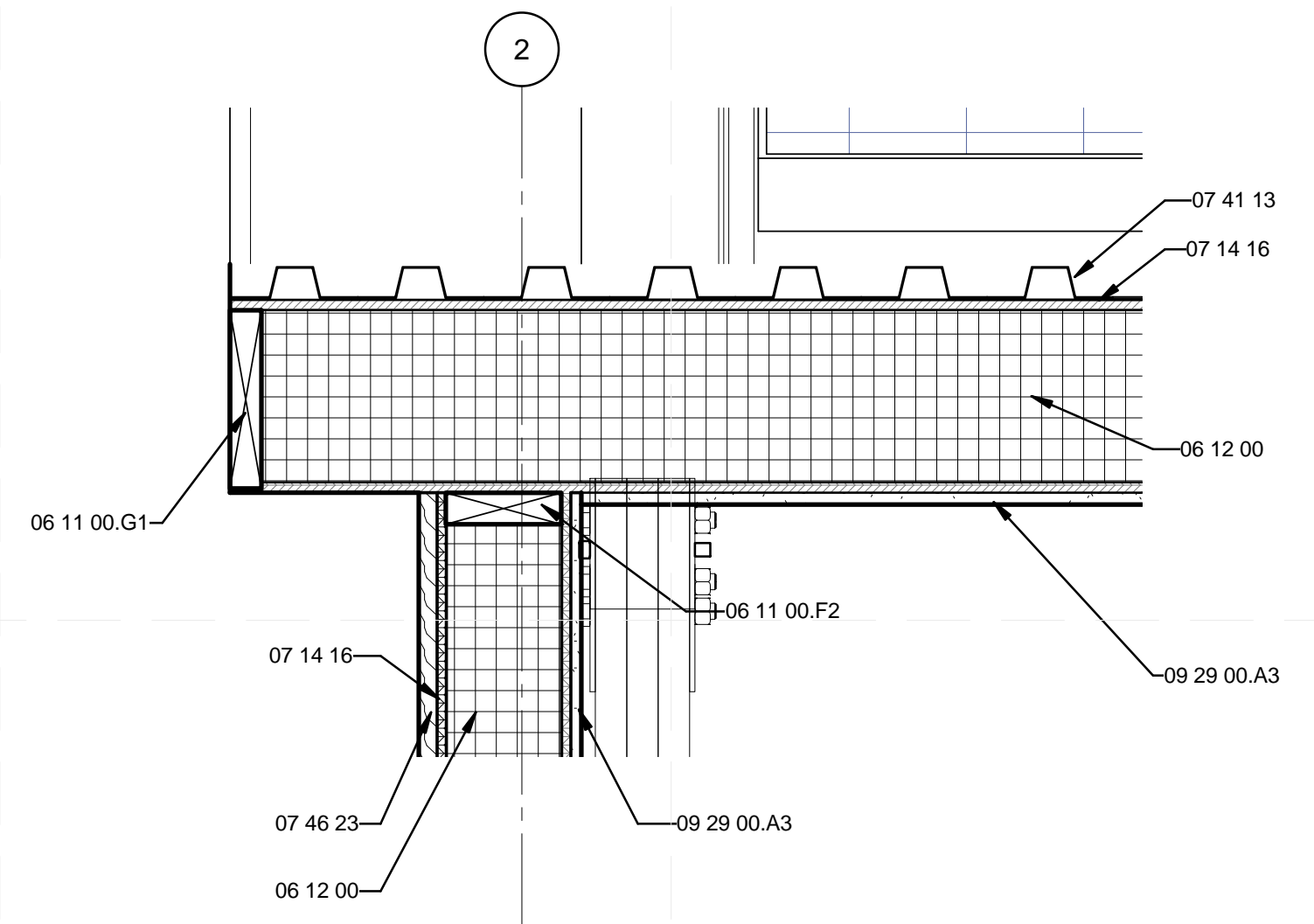
C5 MODULE 1 NORTH OVERHANG
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A1 WALL TO CHASSIS CONNECTION
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A3 MODULE 2 SOUTH OVERHANG
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



A5 MODULE 1 EAVE DETAIL
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



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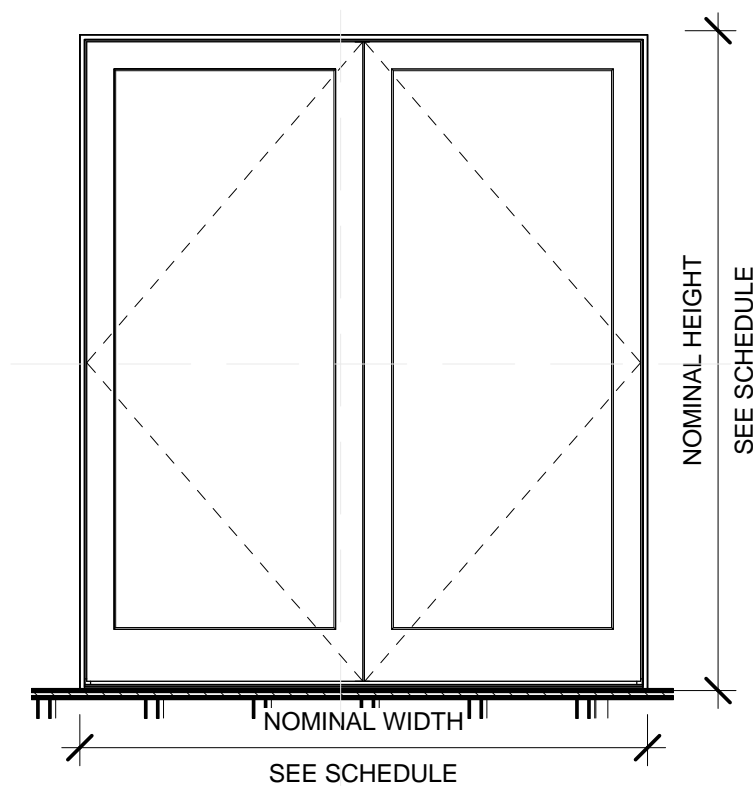
MARK	DATE	DESCRIPTION
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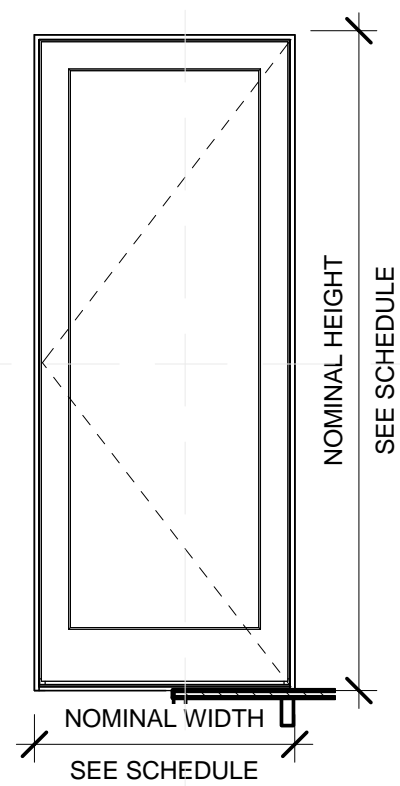
SHEET TITLE

ELEVATION DETAILS

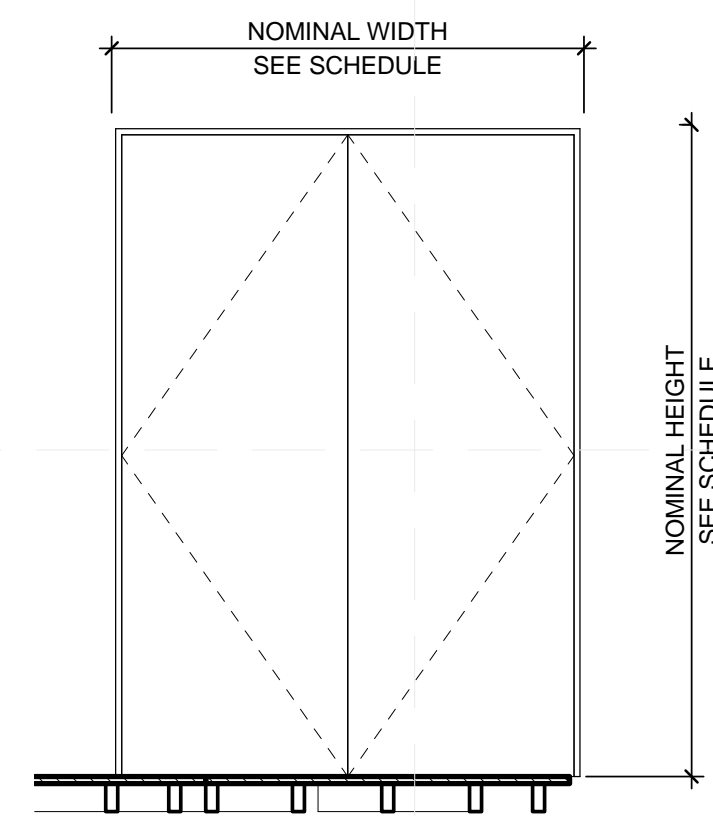
A-521



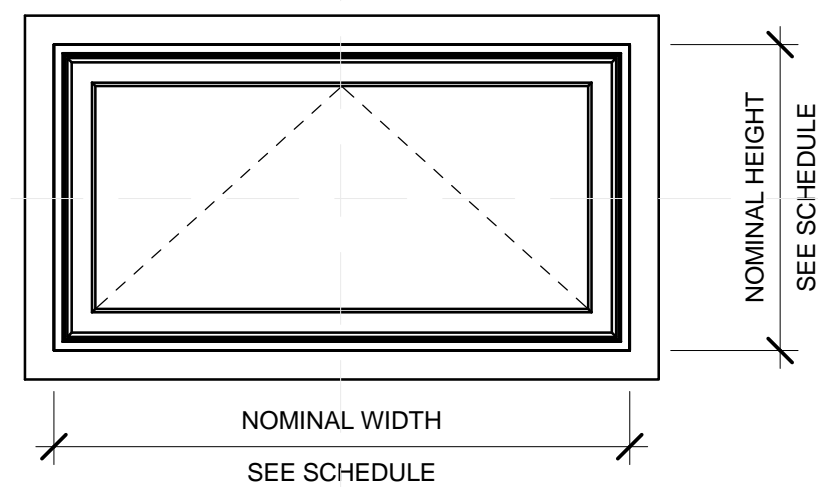
C1 DOOR 1B, 6B
 1/2" = 1'-0"
 0 1' 2' 4'



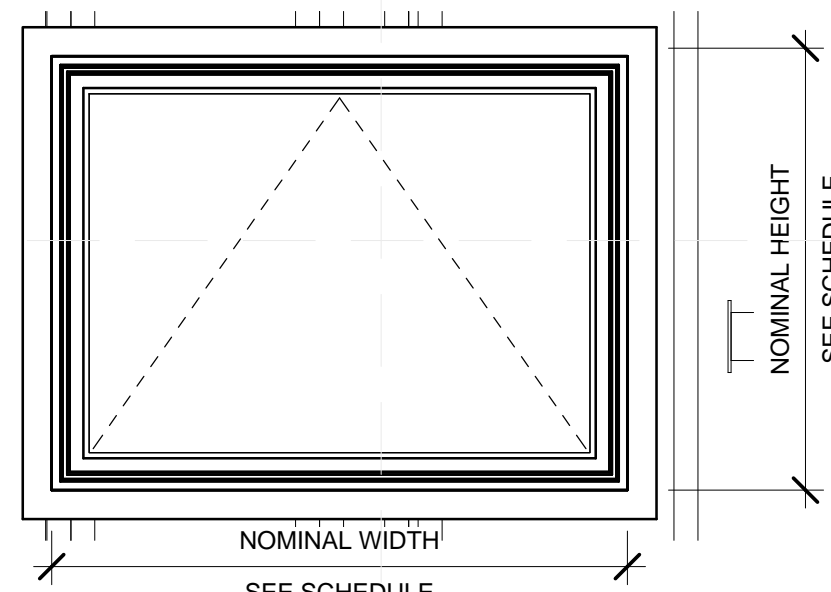
C3 DOOR 1A
 1/2" = 1'-0"
 0 1' 2' 4'



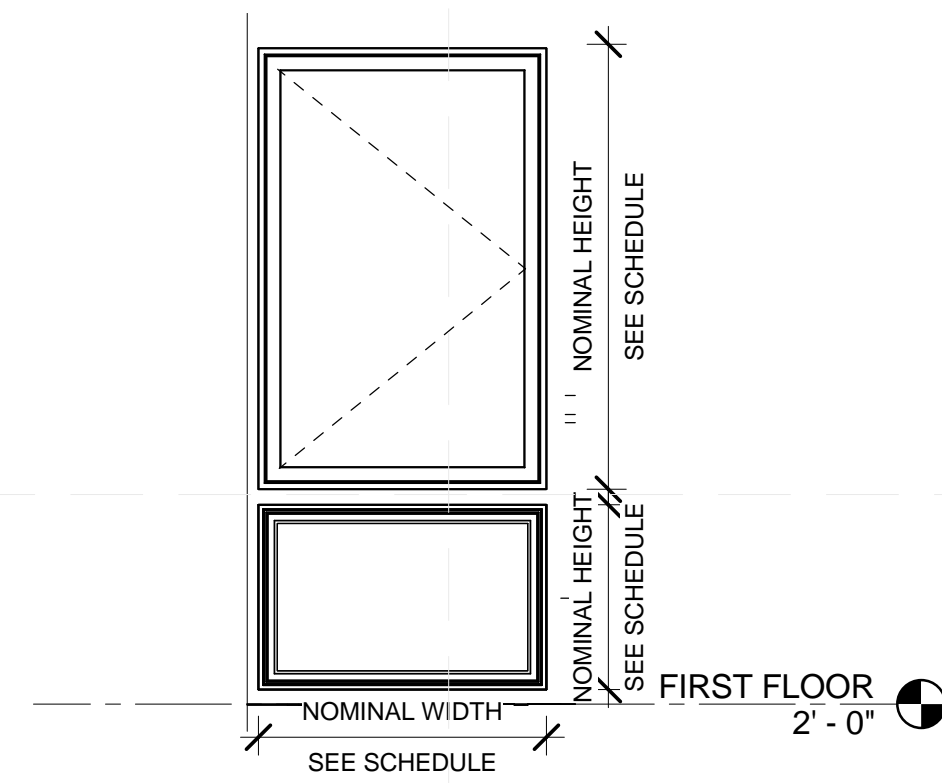
C5 DOOR 4
 1/2" = 1'-0"
 0 1' 2' 4'



**A1 WINDOW 22, 24, 25, 27,
 49, 50, 51, 52**
 1" = 1'-0"
 0 1/2' 1' 2'



A3 WINDOW 11
 1" = 1'-0"
 0 1/2' 1' 2'



**A5 WINDOW 20,37;40,35;
 36,38; 33,26; 29**
 1/2" = 1'-0"
 0 1/2' 1' 2'



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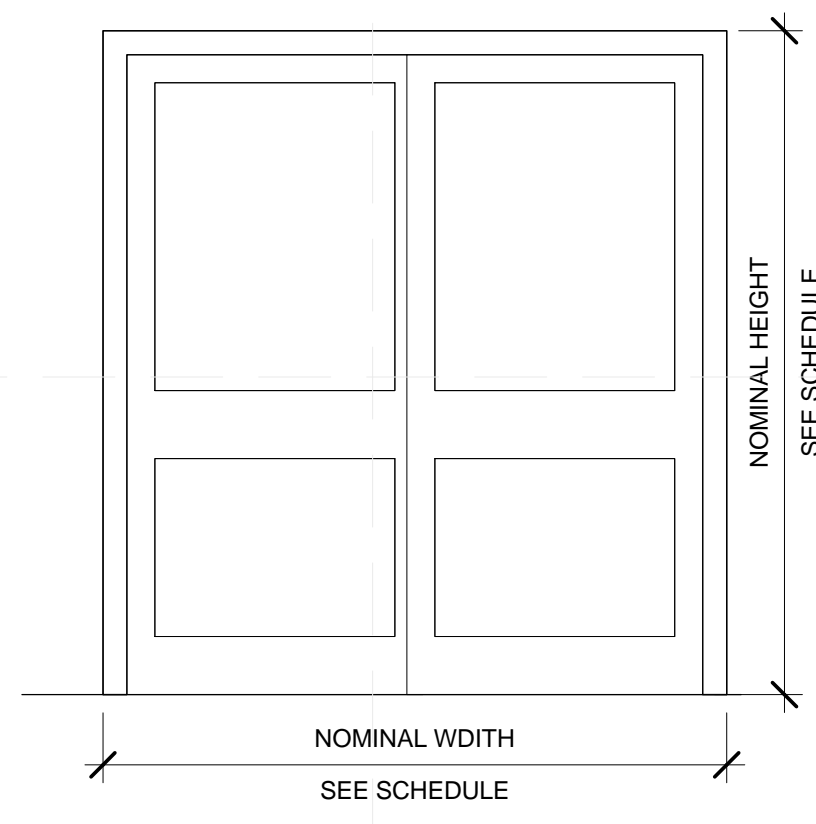
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02	11/20/2012	DD RESUBMISSION
03	02/14/2013	CONSTRUCTION DOCUMENT
04	04/05/2013	CD RESUBMISSION
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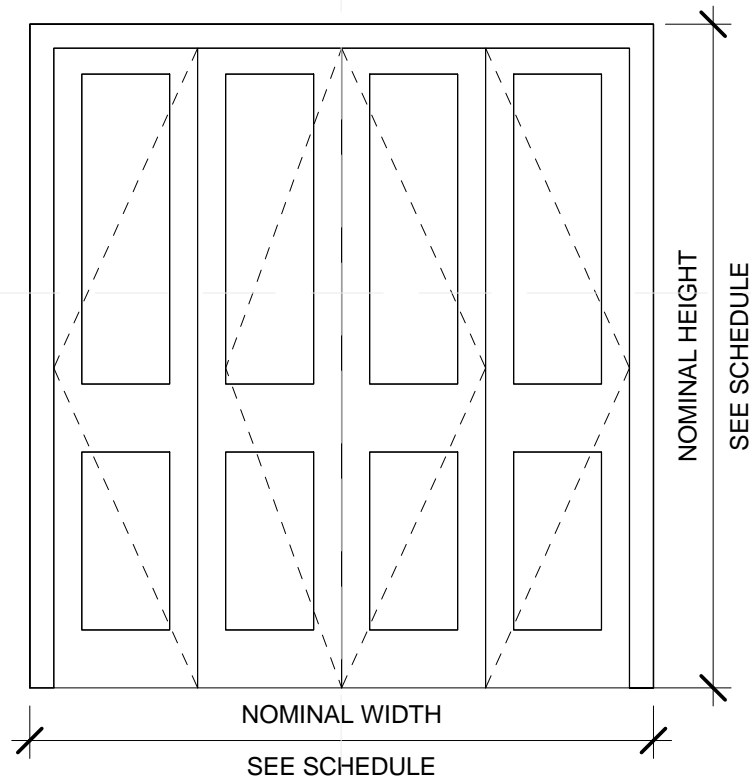
LOT NUMBER: 113
 DRAWN BY: JAMIE OWENS
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SHEET TITLE
 ELEVATION DETAILS

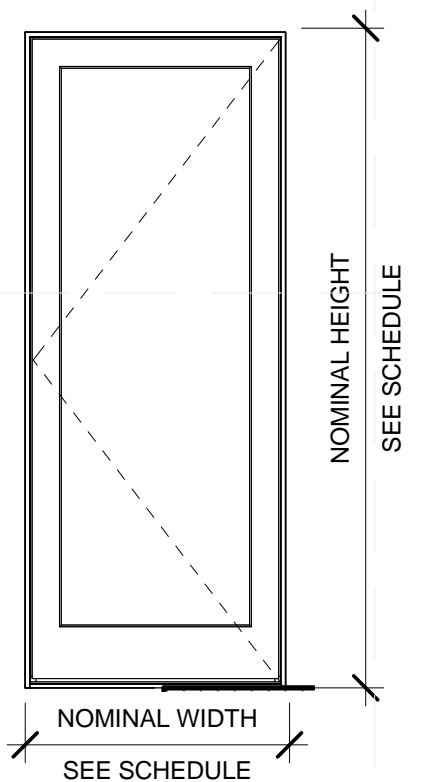
A-522



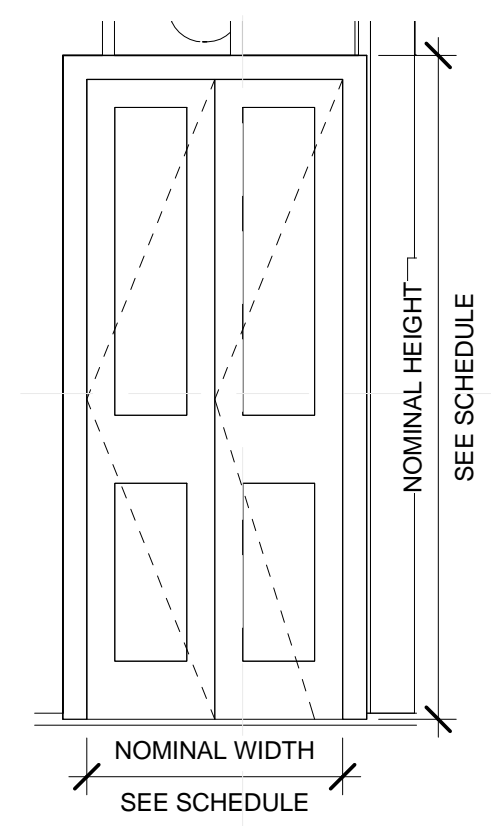
C1 DOOR 2B
 1/2" = 1'-0"



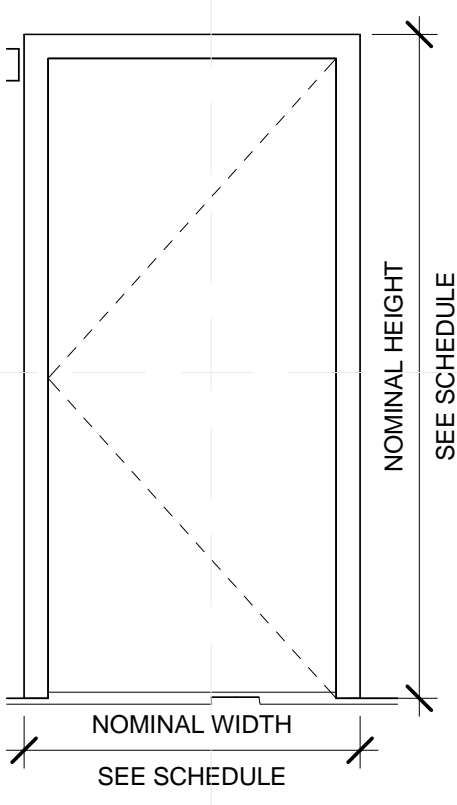
C3 DOOR 6C
 1/2" = 1'-0"



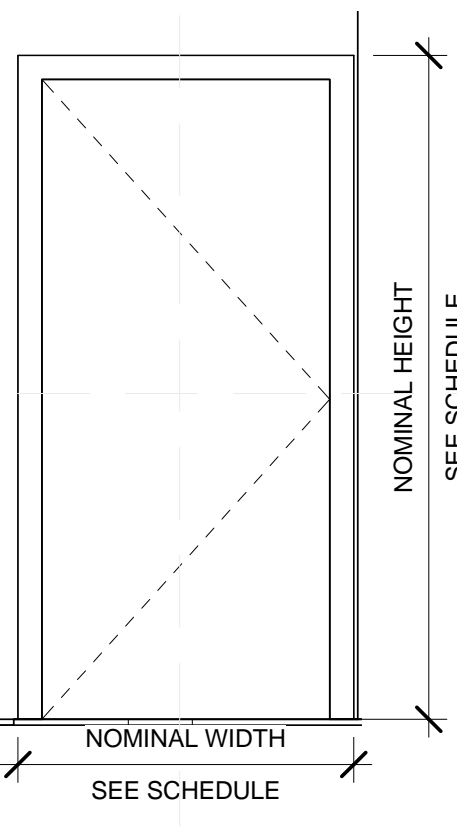
C5 DOOR 2A
 1/2" = 1'-0"



A1 DOOR 7B, 9
 1/2" = 1'-0"

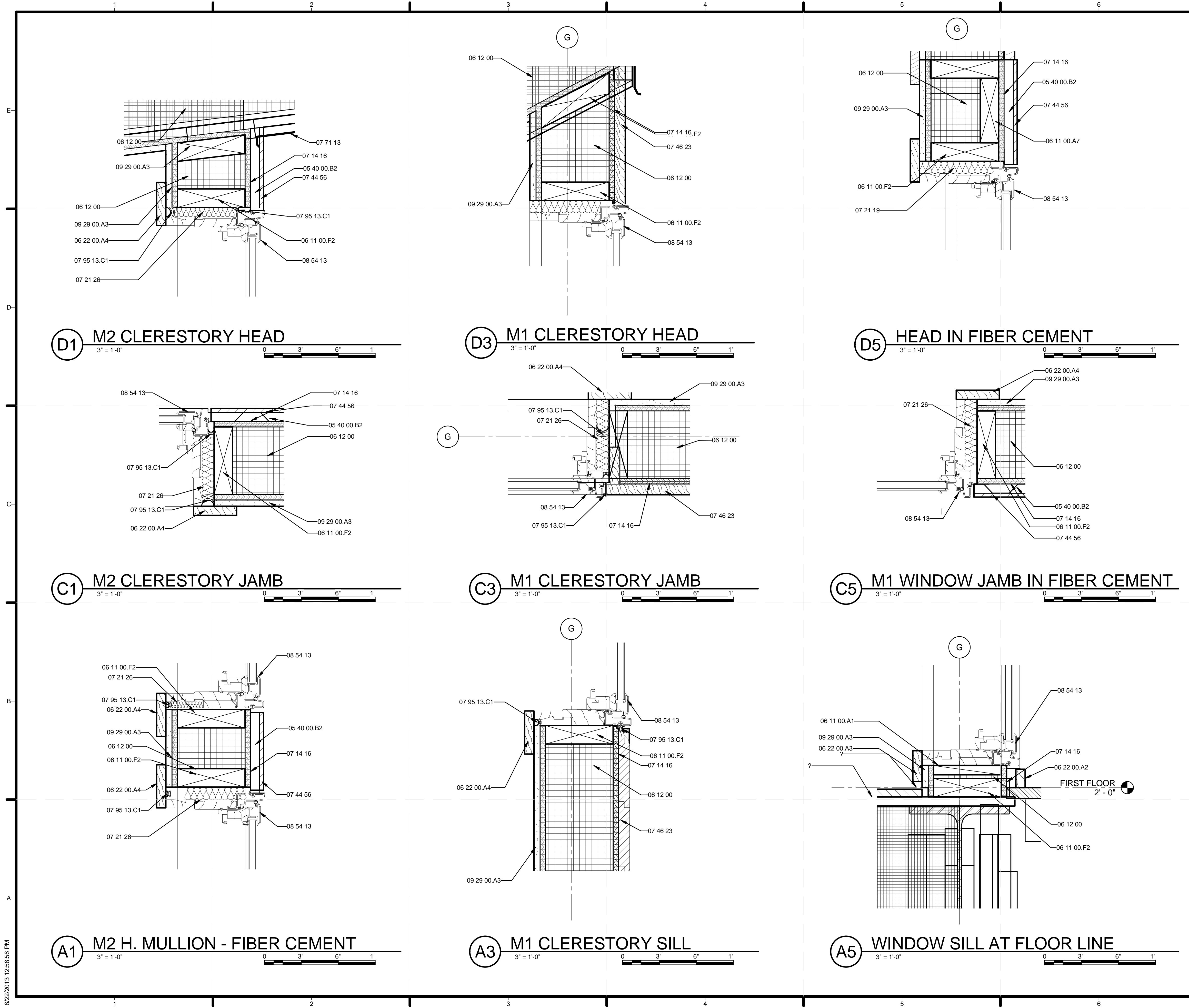


A3 DOOR 6A, 7A
 1/2" = 1'-0"



A5 DOOR 5A
 1/2" = 1'-0"

8/22/2013 12:58:50 PM



REFERENCE KEYNOTES

- 05 40 00.B2 3/4" HAT CHANNEL
- 06 11 00.A1 BLOCKING
- 06 11 00.A7 HEADER
- 06 11 00.F2 2X6 FRAMING
- 06 12 00 STRUCTURAL PANELS
- 06 22 00.A2 1X2 WOOD TRIM
- 06 22 00.A3 1X3 WOOD TRIM
- 06 22 00.A4 1X4 WOOD TRIM
- 07 14 16 COLD FLUID-APPLIED WATERPROOFING
- 07 21 19 FOAMED-IN PLACE INSULATION
- 07 21 26 SPRAYED INSULATION
- 07 44 56 MINERAL-FIBER-REINFORCED CEMENTITIOUS PANELS
- 07 46 23 RECLAIMED WOOD SIDING
- 07 71 13 MANUFACTURED COPINGS
- 07 95 13.C1 CAULKING
- 08 54 13 FIBERGLASS WINDOWS
- 09 29 00.A3 1/2" GYPSUM WALLBOARD
- 09 64 29 WOOD STRIP AND PLANK FLOORING



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WINDOW DETAILS

A-531

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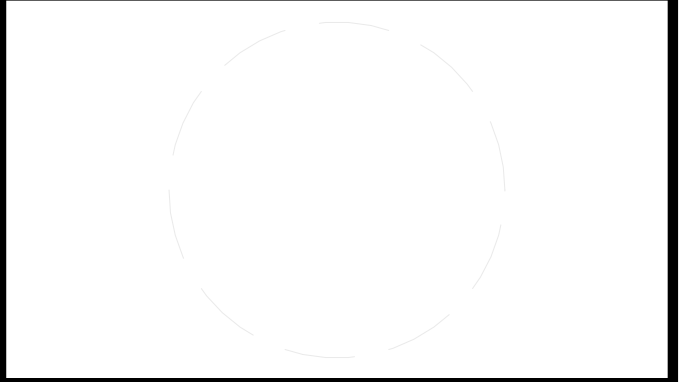
REFERENCE KEYNOTES

06 11 00.F2	2X6 FRAMING
06 22 00.A5	1X5 WOOD TRIM
07 21 19	FOAMED-IN PLACE INSULATION
07 95 13.C1	CAULKING
08 54 13	FIBERGLASS WINDOWS
09 29 00.A3	1/2" GYPSUM WALLBOARD



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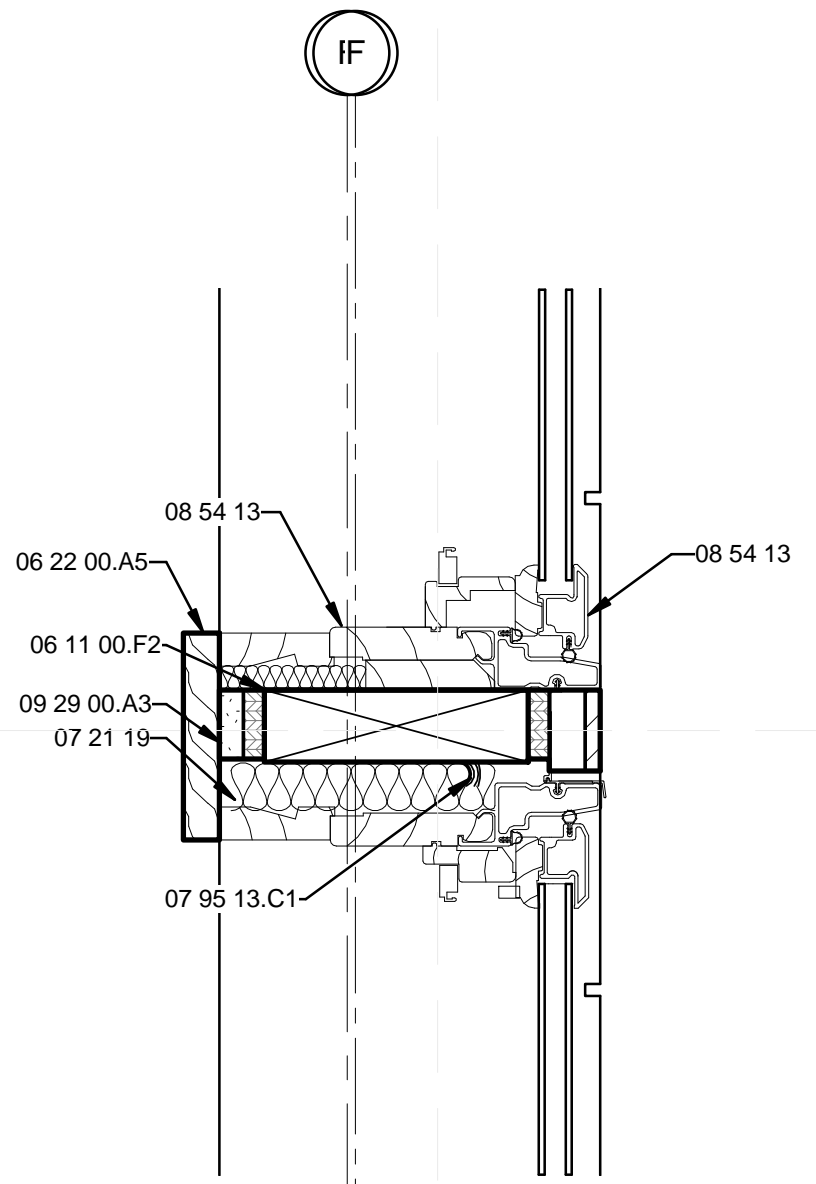
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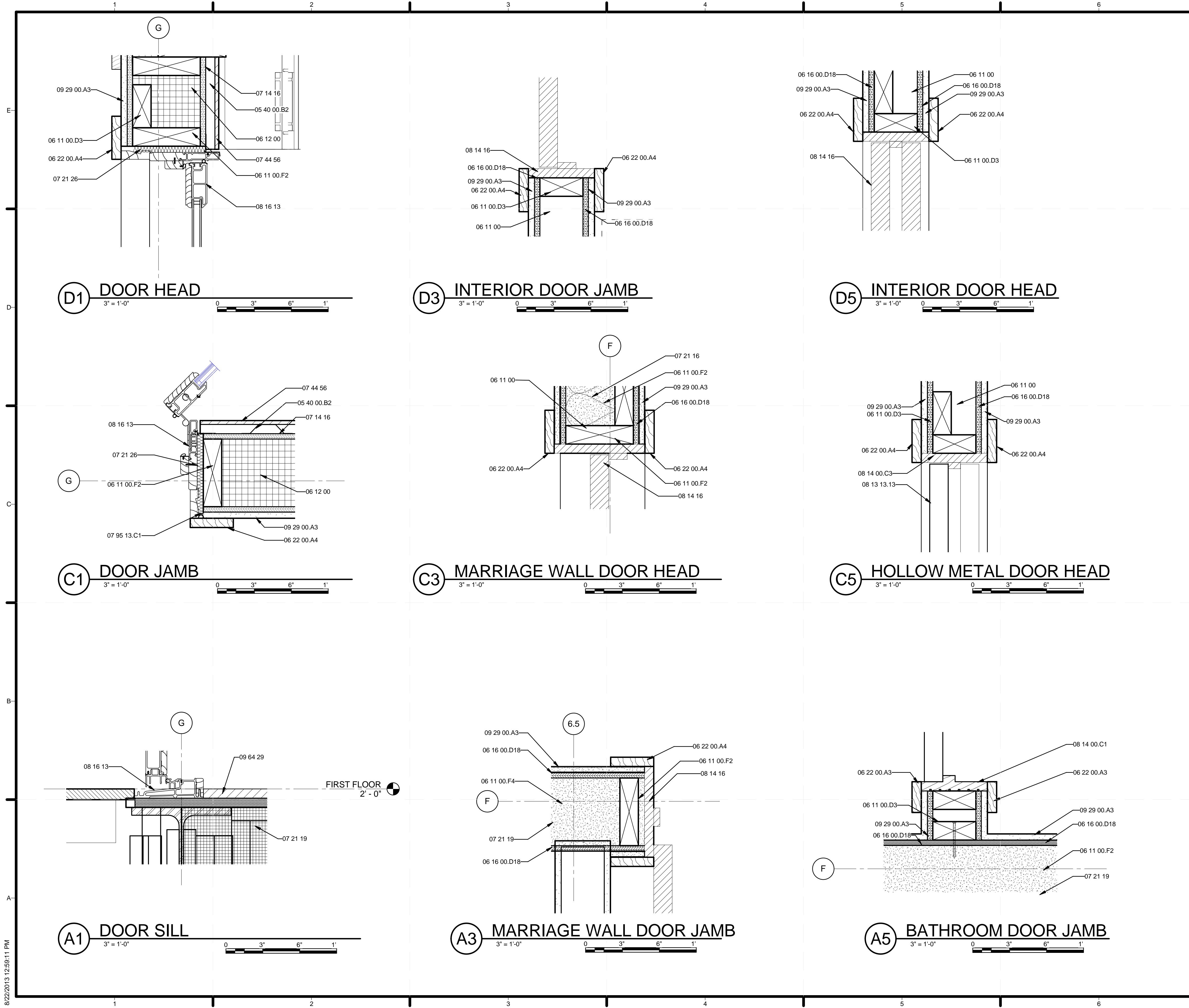
SHEET TITLE
WINDOW DETAILS

A-532



A1 WINDOW DETAIL MULLION
 3" = 1'-0"
 0 3' 6' 1'

8/22/2013 12:59:00 PM



REFERENCE KEYNOTES

- 05 40 00.B2 3/4" HAT CHANNEL
- 06 11 00 WOOD FRAMING
- 06 11 00.D3 2X4 FRAMING
- 06 11 00.F2 2X6 FRAMING
- 06 11 00.F4 2X6 FRAMING @ 16" O.C.
- 06 12 00 STRUCTURAL PANELS
- 06 16 00.D18 7/16" OSB
- 06 22 00.A3 1X3 WOOD TRIM
- 06 22 00.A4 1X4 WOOD TRIM
- 07 14 16 COLD FLUID-APPLIED WATERPROOFING
- 07 21 16 BLANKET INSULATION
- 07 21 19 FOAMED-IN PLACE INSULATION
- 07 21 26 SPRAYED INSULATION
- 07 44 56 MINERAL-FIBER-REINFORCED CEMENTITIOUS PANELS
- 07 95 13.C1 CAULKING
- 08 13 13.13 STANDARD HOLLOW METAL DOORS
- 08 14 00.C1 4-1/2" WOOD DOOR FRAME - DOUBLE RABBET
- 08 14 00.C3 WOOD DOOR FRAME
- 08 14 16 FLUSH WOOD DOORS
- 08 16 13 FIBERGLASS DOORS
- 09 29 00.A3 1/2" GYPSUM WALLBOARD
- 09 64 29 WOOD STRIP AND PLANK FLOORING



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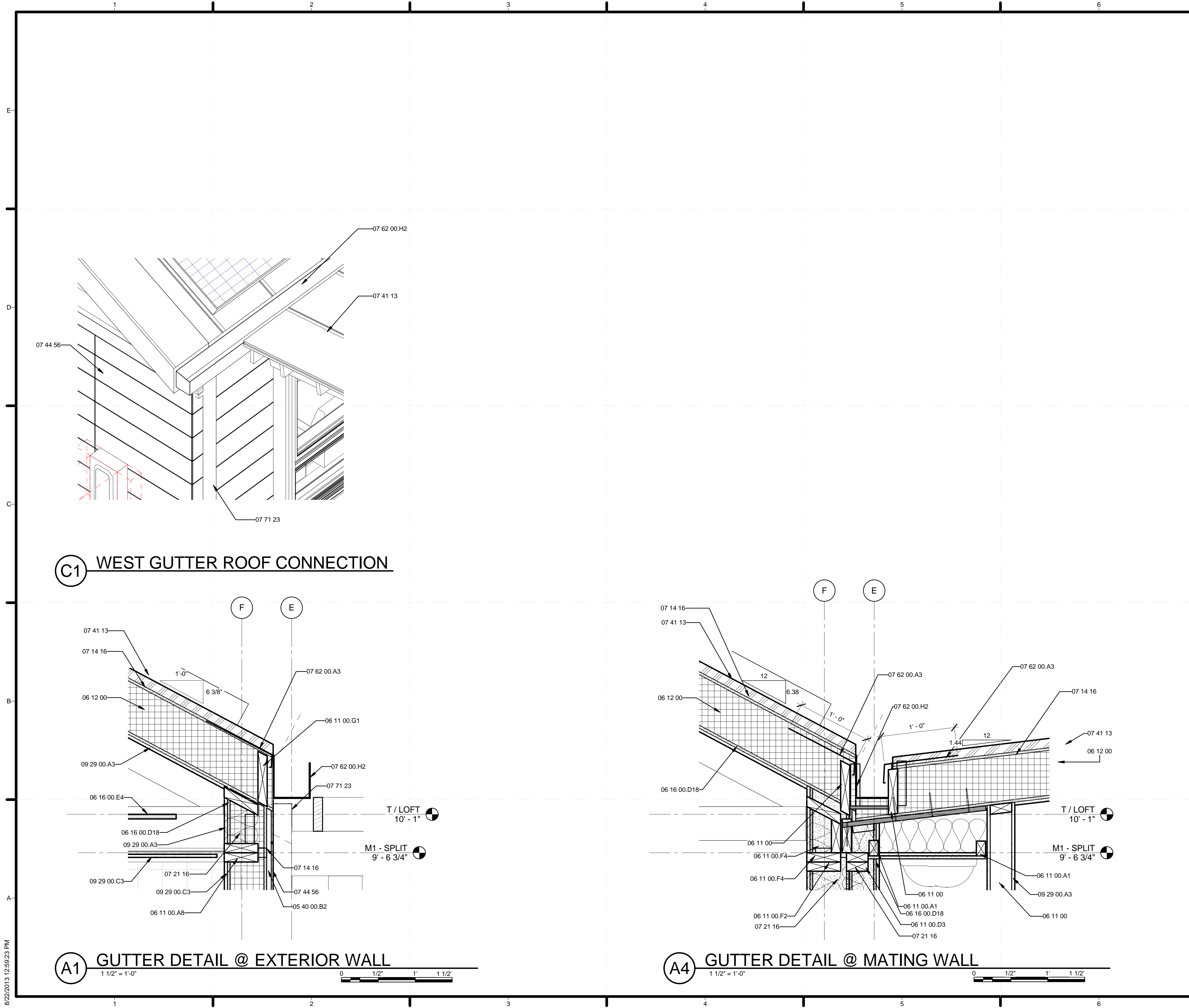
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03	02/14/2013	CONSTRUCTION DOCUMENT
04	04/05/2013	CD RESUBMISSION
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LOT NUMBER: 113
 DRAWN BY: NEIL HOESTERMAN
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DOOR DETAILS

A-541



GENERAL SHEET NOTES

FLASHING ON M1 FIXED. FLASHING ON M2 TO BE INSTALLED AFTER M1 AND M2 ARE CONNECTED.

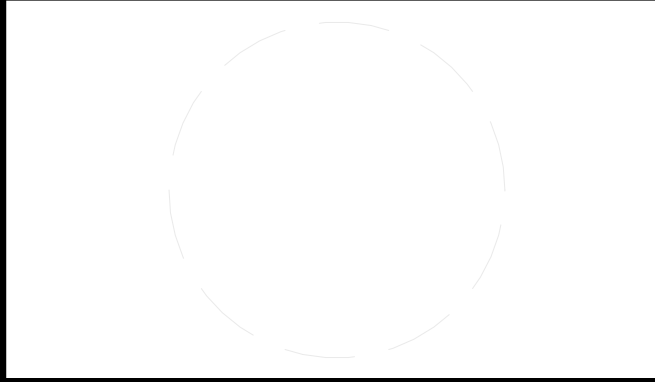
REFERENCE KEYNOTES

05 40 00.B2	3/4" HAT CHANNEL
06 11 00	WOOD FRAMING
06 11 00.A1	BLOCKING
06 11 00.A8	DOUBLE TOP PLATE
06 11 00.D3	2X4 FRAMING
06 11 00.F2	2X6 FRAMING
06 11 00.F4	2X6 FRAMING @ 16" O.C.
06 11 00.G1	2X8
06 12 00	STRUCTURAL PANELS
06 16 00.D18	7/16" OSB
06 16 00.E4	3/4" T&G STRAND BOARD DECKING
07 14 16	COLD FLUID-APPLIED WATERPROOFING
07 21 16	BLANKET INSULATION
07 41 13	METAL ROOF PANELS
07 44 56	MINERAL-FIBER-REINFORCED CEMENTITIOUS PANELS
07 62 00.A3	STAINLESS STEEL FLASHING
07 62 00.H2	5" X 5" BOX GUTTER
07 71 23	MANUFACTURED GUTTERS AND DOWNSPOUTS
09 29 00.A3	1/2" GYPSUM WALLBOARD
09 29 00.C3	1/2" M.R. GYPSUM BOARD



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LOT NUMBER: 113
 DRAWN BY: MICHAEL BOLLATO
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SHEET TITLE
ROOF DETAILS

A-561

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REFERENCE KEYNOTES

06 41 00	ARCHITECTURAL WOOD CASEWORK
12 52 13	CHAIRS



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SHEET KEYNOTES

15	BUILT-IN STORAGE/ ENTERTAINMENT UNIT
30	BUILT-IN HEADBOARD

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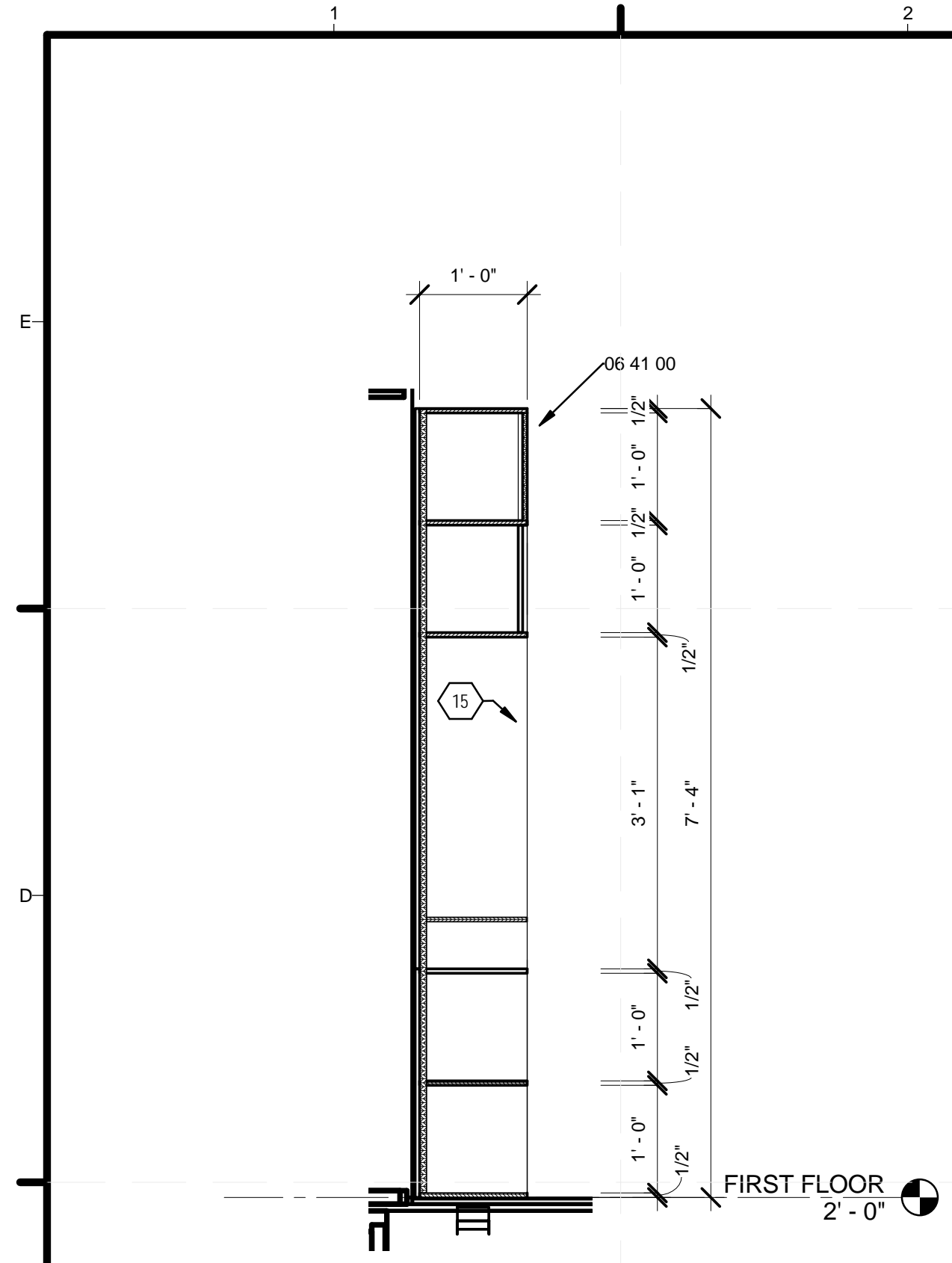
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LOT NUMBER:	113
DRAWN BY:	DOMINICK GORDON
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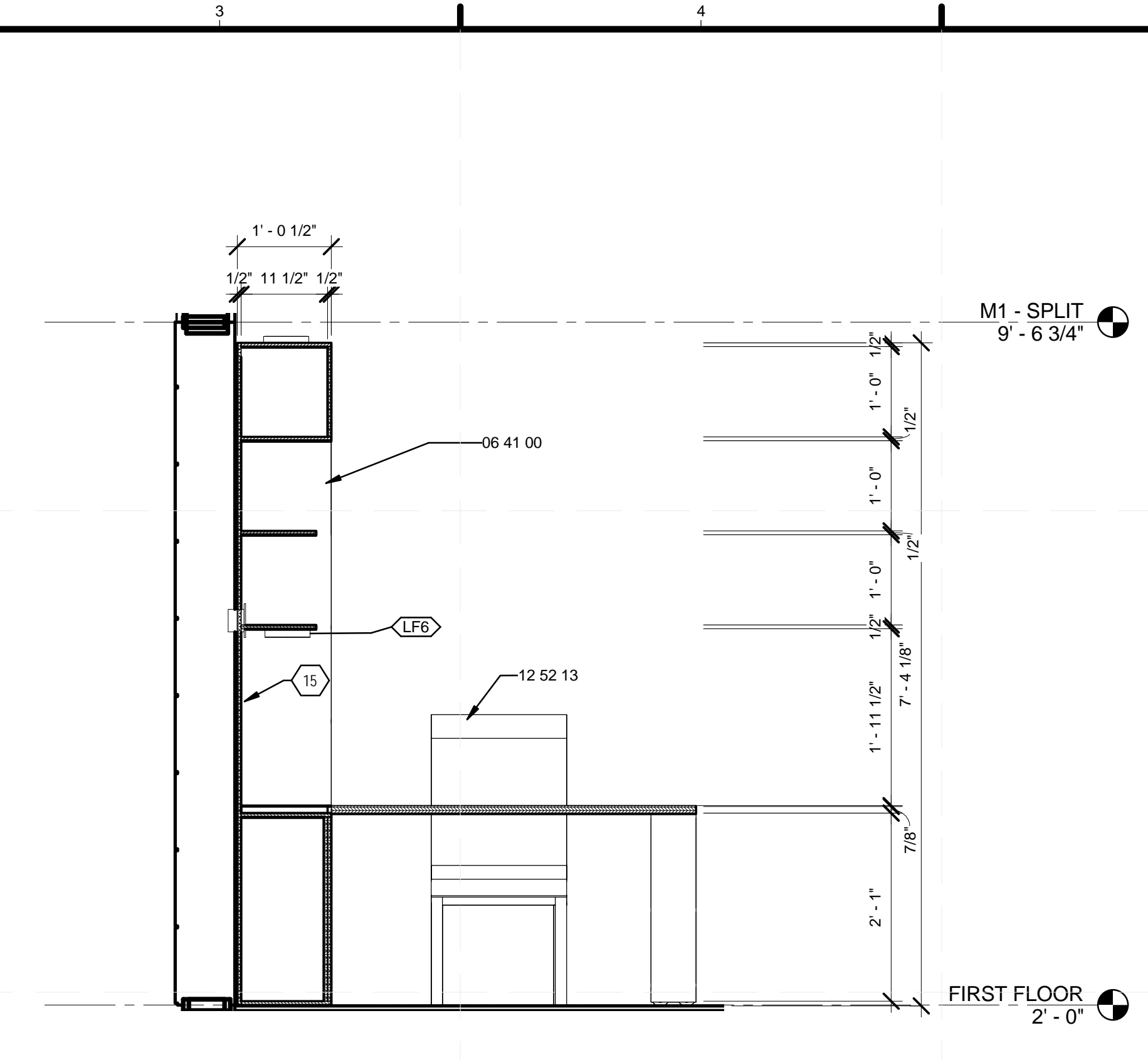
SHEET TITLE

CASEWORK DETAILS

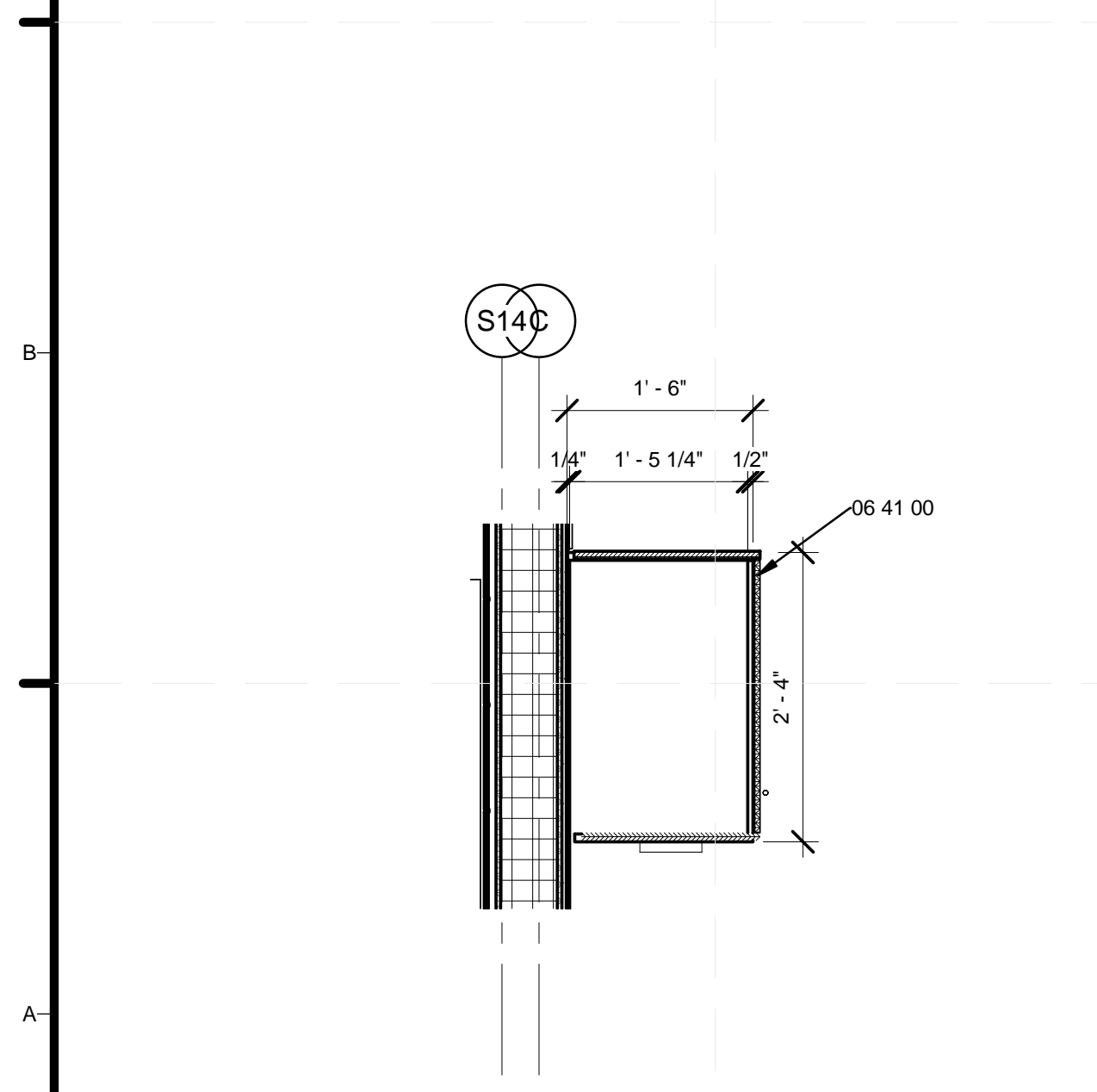
A-581



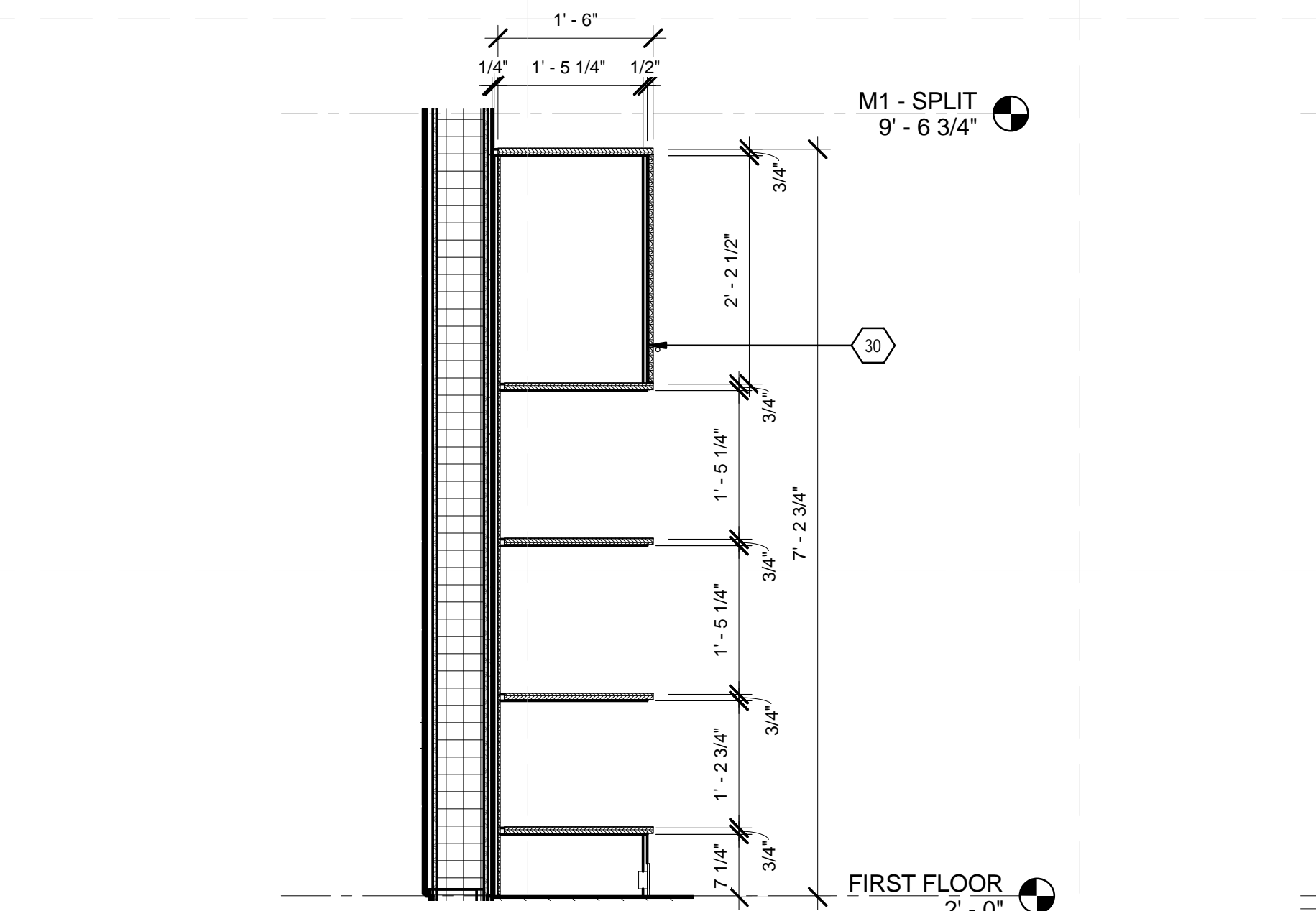
C1 LIVING ROOM - CASEWORK @ TV
 3/4" = 1'-0"



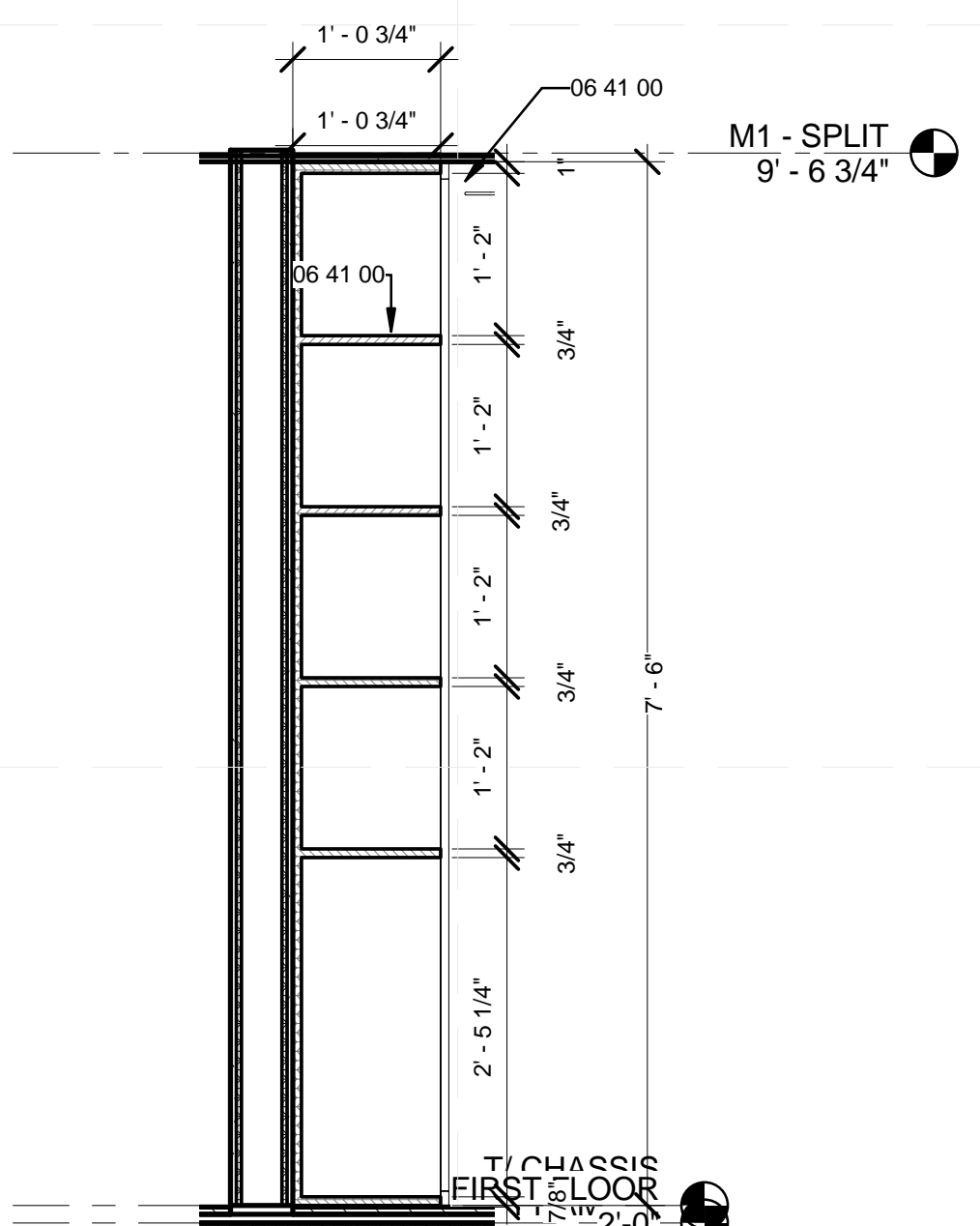
C3 LIVING ROOM - CASEWORK @ FOLD TABLE
 3/4" = 1'-0"



A1 BED1 - CASEWORK AT HEADBOARD
 3/4" = 1'-0"



A3 MASTER BED - CASEWORK AT REGISTER
 3/4" = 1'-0"



A5 BATH - CASEWORK
 3/4" = 1'-0"

8/22/2013 12:59:33 PM

INTERIOR FURNITURE					
MARK	TYPE	MANUFACTURER	MODEL	DESCRIPTION	COUNT
					3
1	KIVIK SOFA	IKEA	199.040.32	DANSBO MEDIUM RED	1
3	KIVIK FOOTSTOOL	IKEA	499.040.16	DANSBO MEDIUM RED	3
4	GLENN BAR STOOLS	IKEA	402.032.27	BLACK/CHROME	4
5	LOLLISOFT BUNK BED	RESOURCE FURNITURE			1
6	OPPDAL BED	IKEA	198.894.56	53" X 74"	1

EXTERIOR FURNITURE					
Type Mark	Family	Type	Manufacturer	Description	Count
A	Chair - BernhardtD Edge	Chair - BernhardtD Edge	Bernhardt		4
B	Dining_Table_w_Chairs_11374	762 mm x 1525 mm			1

LIGHTING FIXTURE SCHEDULE					
MARK	MANUFACTURER	MODEL	TYPE	LAMP	COUNT
LF1	PHILIPS	190236836	BATHROOM VANITY LIGHT	LED	4
LF2	JUNO LIGHTING BY SCHNEIDER ELECTRIC	T271L3HCFSL		LED	9
LF3	PAULMANN	99834-99843	LIVING-ROOM FLOOR LAMP	CFL	1
LF4	JUNO LIGHTING BY SCHNEIDER ELECTRIC	DL112-4-F	CLOSET FIXTURE - CEILING MOUNTED	LED	9
LF5	ALLEN + ROTH	5SZR52PND	BEDROOM FIXTURE - CEILING FAN WITH LIGHT	CFL	2
LF6			UPLIGHT 6" PUCK		8
LF7	COOPER INDUSTRIES, INC..	EXTERIOR TOP POST	1LAMP-32W-CFL-120V	CFL	2
LF9	COOPER INDUSTRIES, INC..	STEP LIGHT	5.9"-1LAMP-7.5W-LED-120V	LED	11
LF10	JUNO LIGHTING BY SCHNEIDER ELECTRIC	TQJPL2	TRACK LIGHT - PENDANT	LED	3
LF11	JUNO LIGHTING BY SCHNEIDER ELECTRIC	T256LED-27K-SL	TRACK FIXTURE - WALL WASH	LED	3
LF20	COOPER INDUSTRIES, INC..	ARCHITECTURAL	WALL_MOUNT_COOPER_INVUE_ENTRI LED	Lamp	6



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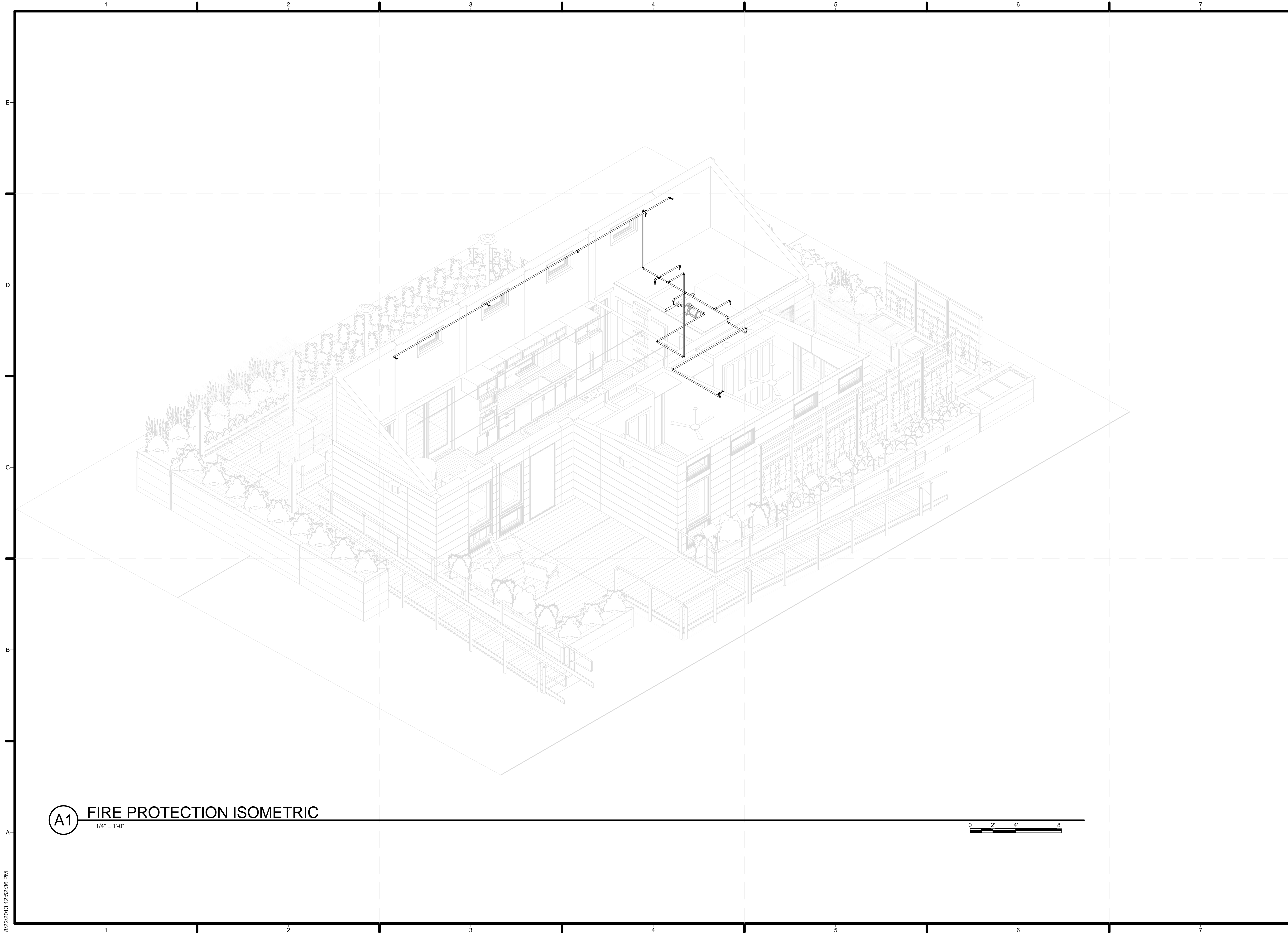
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03	02/14/2013	CONSTRUCTION DOCUMENT
04	04/05/2013	CD RESUBMISSION
05	08/22/2013	AS-BUILT DRAWINGS

MARK	DATE	DESCRIPTION
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LOT NUMBER: 113
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SHEET TITLE
 SCHEDULES

A-602



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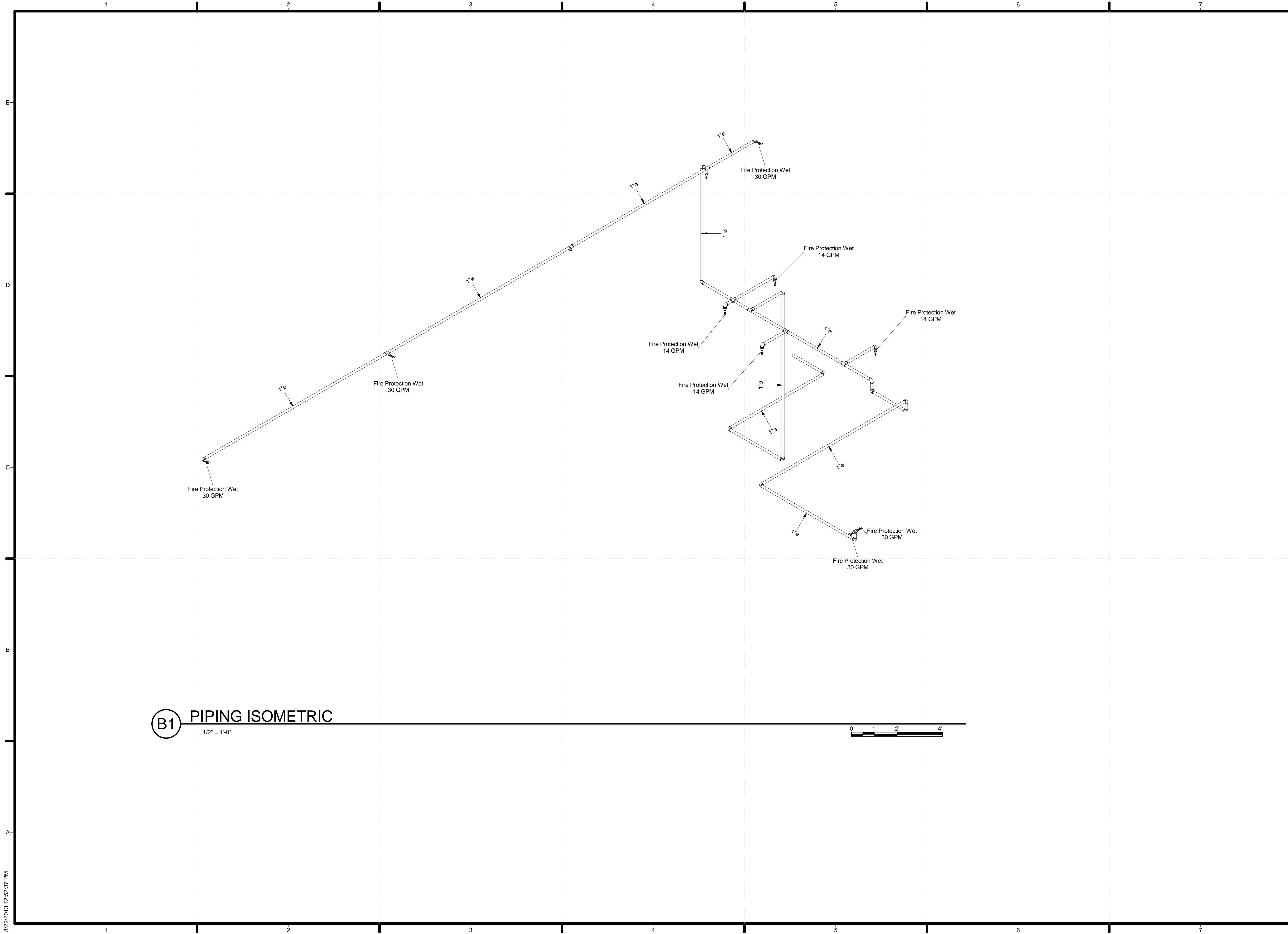
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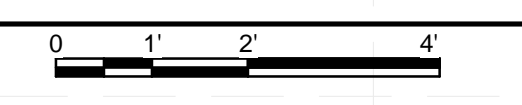
SHEET TITLE
FIRE PROTECTION ISOMETRIC

F-601

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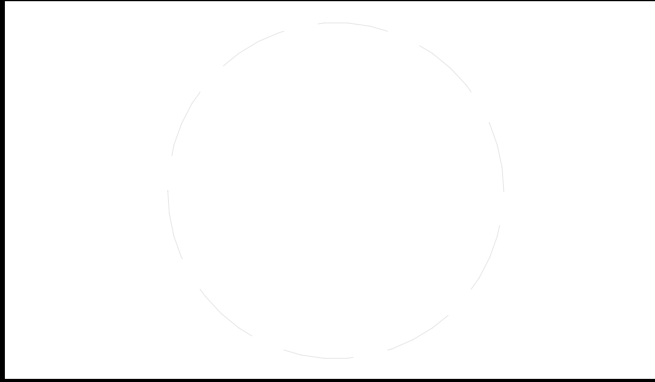


B1 PIPING ISOMETRIC
1/2" = 1'-0"



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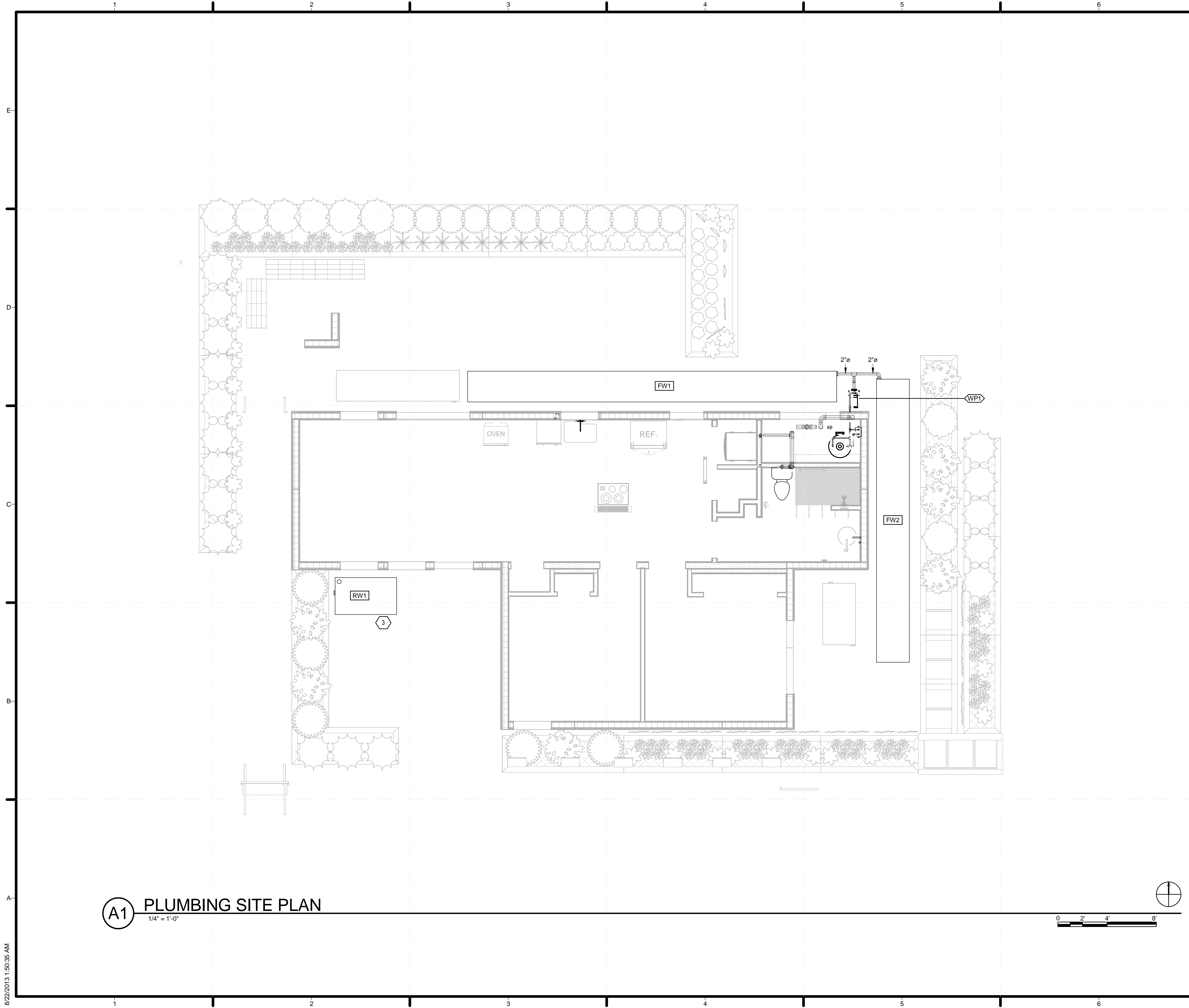
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05	08/22/2013	AS-BUILTS DOCUMENTS

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SHEET TITLE
PIPING ISOMETRIC

F-602



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

GENERAL SHEET NOTES

1. GENERAL NOTES SHALL APPLY TO ALL WORK SHOWN.
2. ALL DIMENSIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO USE FIELD MEASUREMENTS.
3. ALL NOTES COINCIDE WITH SIMILAR DRAWINGS
4. COORDINATE ALL WORK WITH PLACEMENT OF COMPONENTS WITH OTHER TRADES.
5. SUPPLY TANKS MUST ALLOW FOR WATER DELIVERY ACCESS DURING COMPETITION. MUST ALLOW FOR A 12" SPACE ABOVE TANK INLET.
6. SUPPLY AND WASTE LINES CONNECTING THE HOUSE AND ANY TANKS ARE FOR COMPETITION ONLY.
7. DURING WATER DELIVERY SIX (6) STUDENTS SHALL MANUALLY MOVE THE HOSE FROM THE PRECEDING HOME TO THE PHOENIX HOUSE WATER SUPPLY TANKS LOCATED UNDER DECKING ON THE NORTH AND EAST SIDES OF THE HOME.
8. DURING WATER REMOVAL SIX (6) STUDENTS SHALL MANUALLY MOVE HOSE FROM PRECEDING HOME TO THE PHOENIX HOUSE. WATER SHALL BE REMOVED IN THE FOLLOWING ORDER: A. RAIN WATER COLLECTION TANK B. THE AQUATIC DIGESTER C. GREY WATER TANK D. WASTE TANK
10. MOUNT MAIN SUPPLY AND FIRE SUPPRESSION PUMPS ON STAND.
11. SEAL ALL PENETRATIONS THROUGH SIPS PANEL WITH SPRAY FOAM.
12. ALL PORTABLE TANKS, PUMPS, AND VALVES INTENDED TO MIMIC PUBLIC UTILITY WATER SUPPLY AND SEWAGE ARE TEMPORARY FOR COMPETITION PURPOSES ONLY.
13. ALL EXPOSED DUCTWORK, PIPING, ELECTRICAL CONDUIT, TEMPERATURE CONTROLS CONDUIT AND ASSOCIATED COMPONENTS TO BE METAL FINISH. COORDINATE WITH OWNER PRIOR TO INSTALLATION
14. THE DRAWINGS AND DETAILS SHALL BE TAKEN AS A DIAGRAMMATIC MEANS OF PROVIDING PIPING AND DUCTWORK. THEY DO NOT SHOW EVERY FITTING AND OFFSET NOR EVERY STRUCTURAL, ELECTRICAL, PIPING OR DUCTWORK DIFFICULTY THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK.
15. THE WORK HAS BEEN DESIGNED FOR THE EQUIPMENT INDICATED FOR THE EQUIPMENT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PROVIDE ANY MODIFICATIONS TO THE WORK INCLUDING BUT NOT NECESSARILY LIMITED TO DUCTWORK, PIPING, ELECTRICAL, PLUMBING, FIRE PROTECTION, STRUCTURAL FRAMES, CASEWORK, ETC. REQUIRED TO PROPERLY PROVIDE EQUIPMENT OTHER THAN THAT INDICATED ON THE DRAWINGS.
16. THE WASTE WATER TANK WILL NOT BE USED FOR ANY VEGETATION OR ALTERNATE USE AND WILL BE REMOVED AT THE END OF THE EVENT.
17. INSTALL BALL SHUTOFF AND CHECK VALVES AT PRIOR TO PUMP INLETS.
18. EXPANSION TANK SHALL BE ABLE TO ALLOW FOR EXPANSION AND CONTRACTION OF SUPPLY WATER.

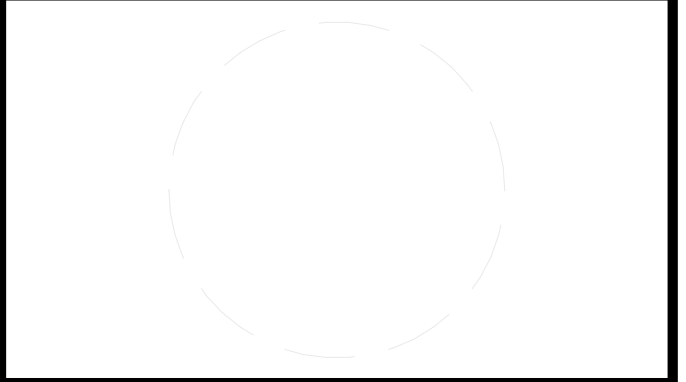
SHEET KEYNOTES

3 168 GALLON RAIN WATER COLLECTION TANK



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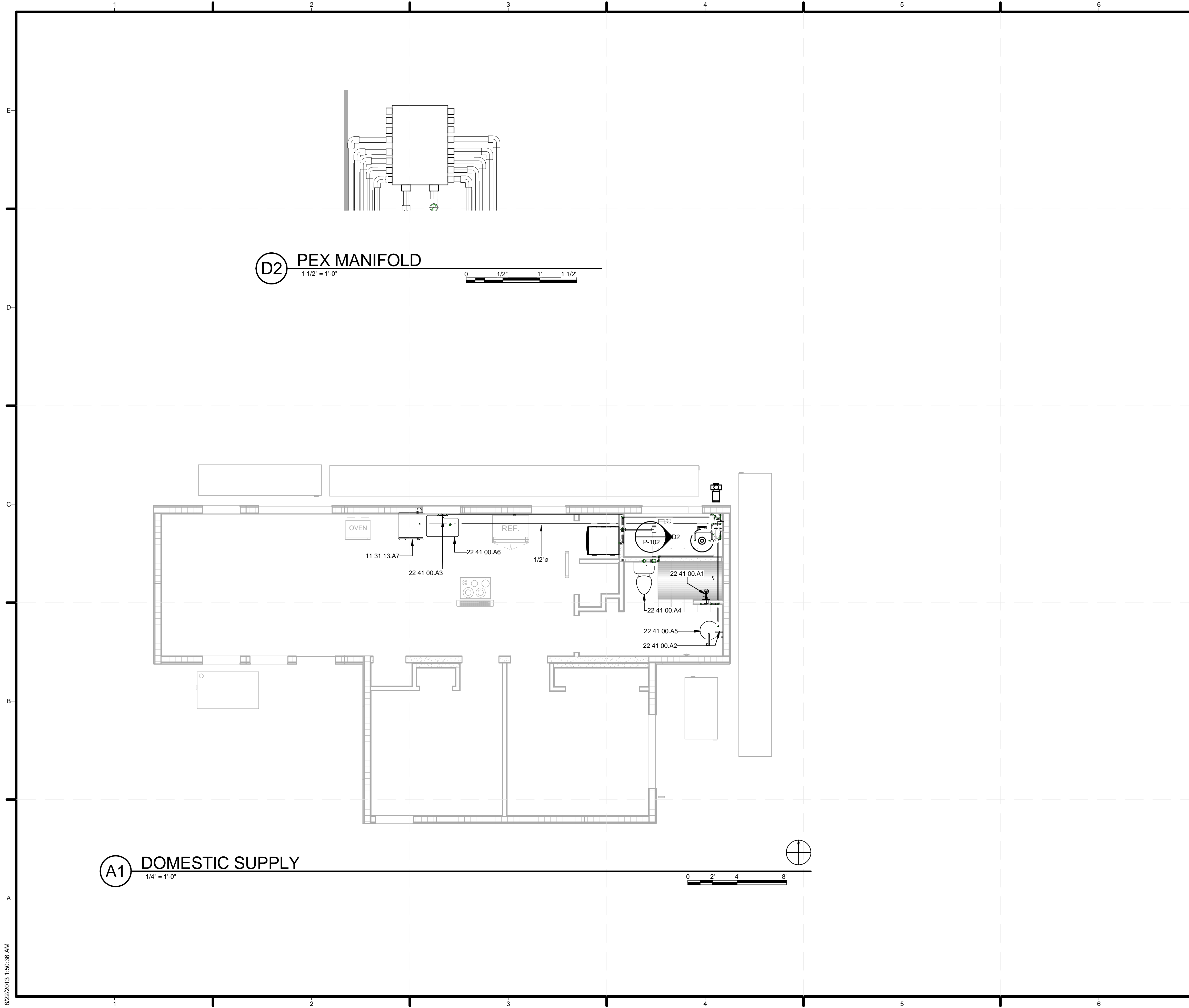
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SHEET TITLE
PLUMBING SITE PLAN

P-101

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(D2) PEX MANIFOLD
1 1/2" = 1'-0"

(A1) DOMESTIC SUPPLY
1/4" = 1'-0"

GENERAL SHEET NOTES

1. CONTRACTOR SHALL FOLLOW 2012 IRC AND OTHER APPLICABLE BUILDING CODES.
2. CONTRACTOR SHALL FOLLOW EQUIPMENT MANUFACTURER'S INSTRUCTIONS FOR HANDLING AND INSTALLATION.
3. CONTRACTOR SHALL COORDINATE AND PERFORM NECESSARY MODIFICATIONS TO PROVIDE A COMPLETE INSTALLATION. MODIFICATIONS INCLUDE BUT ARE NOT LIMITED TO STRUCTURAL, ELECTRICAL, ARCHITECTURAL, PLUMBING, PIPING AND DUCTWORK.
4. WATER CLOSET SHALL NOT BE CONNECTED FOR COMPETITION.
5. ALL PEX LINES SHALL BE RAN THROUGH FLOOR PRIOR TO FINAL SPRAY FOAM INSULATION APPLICATION UNDER FLOOR.
6. CONTRACTOR TO VERIFY KITCHEN DESIGN WITH OWNER PRIOR TO INSTALLATION.
7. ALL PORTABLE TANKS, PUMPS, AND VALVES INTENDED TO MIMIC PUBLIC UTILITY WATER SUPPLY AND SEWAGE ARE "TEMPORARY" FOR COMPETITION USE ONLY.
8. INSTALL BALL SHUTOFF VALVES AT EVERY DEVICE WATER CONNECTION.
9. THE DRAWINGS AND DETAILS SHALL BE TAKEN AS A DIAGRAMMATIC MEANS OF PROVIDING PIPING AND DUCTWORK. THEY DO NOT SHOW EVERY FITTING AND OFFSET NOR EVERY STRUCTURAL, ELECTRICAL, PIPING OR DUCTWORK DIFFICULTY THAT MAY BE ENCOUNTERED DURING INTALLATION OF THE WORK.

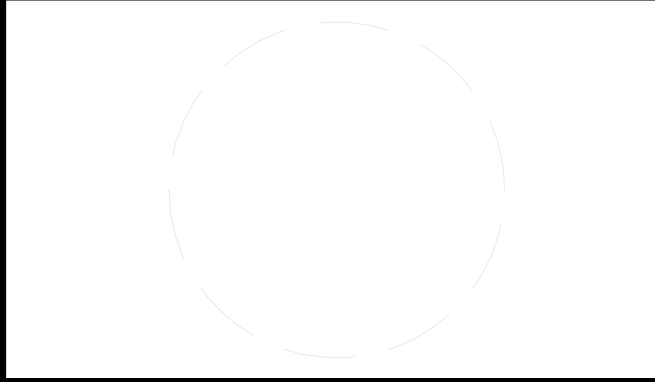
REFERENCE KEYNOTES

- | | |
|-------------|-----------------|
| 11 31 13.A7 | DISHWASHER |
| 22 41 00.A1 | SHOWER FIXTURE |
| 22 41 00.A2 | BATHROOM FAUCET |
| 22 41 00.A3 | KITCHEN FAUCET |
| 22 41 00.A4 | WATER CLOSET |
| 22 41 00.A5 | BATHROOM SINK |
| 22 41 00.A6 | KITCHEN SINK |



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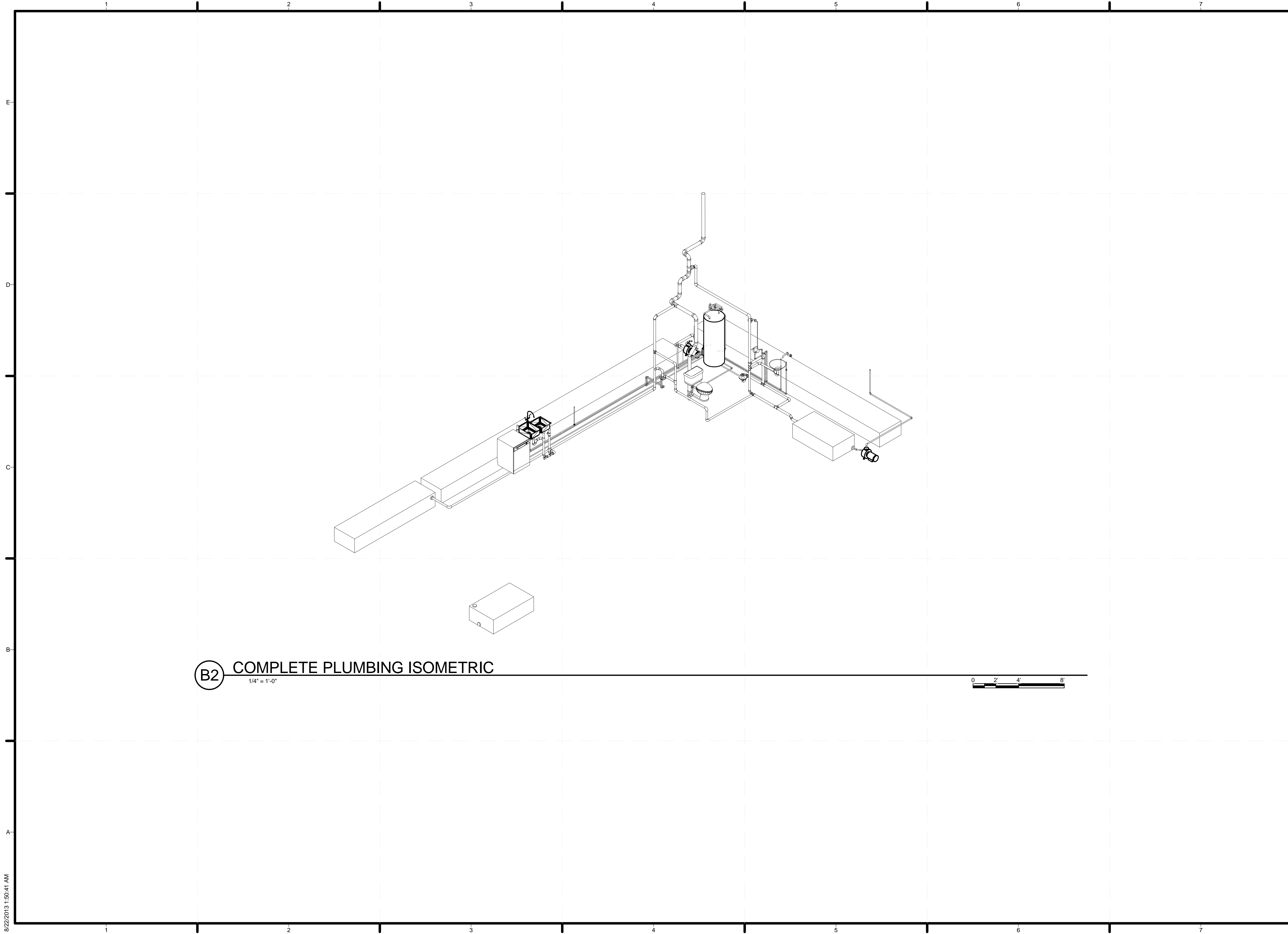
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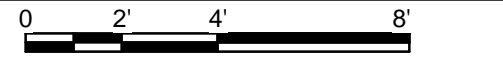
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SHEET TITLE
DOMESTIC SUPPLY

P-102

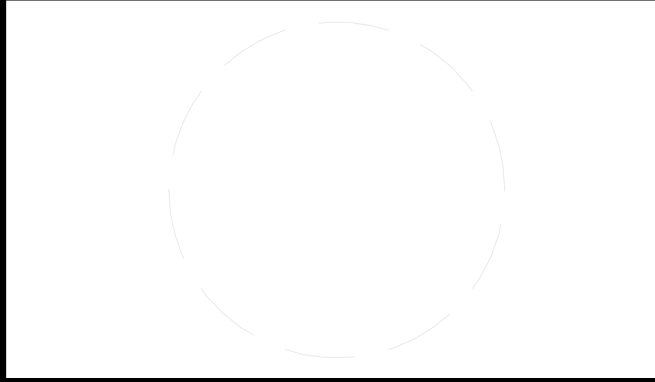


B2 COMPLETE PLUMBING ISOMETRIC
1/4" = 1'-0"



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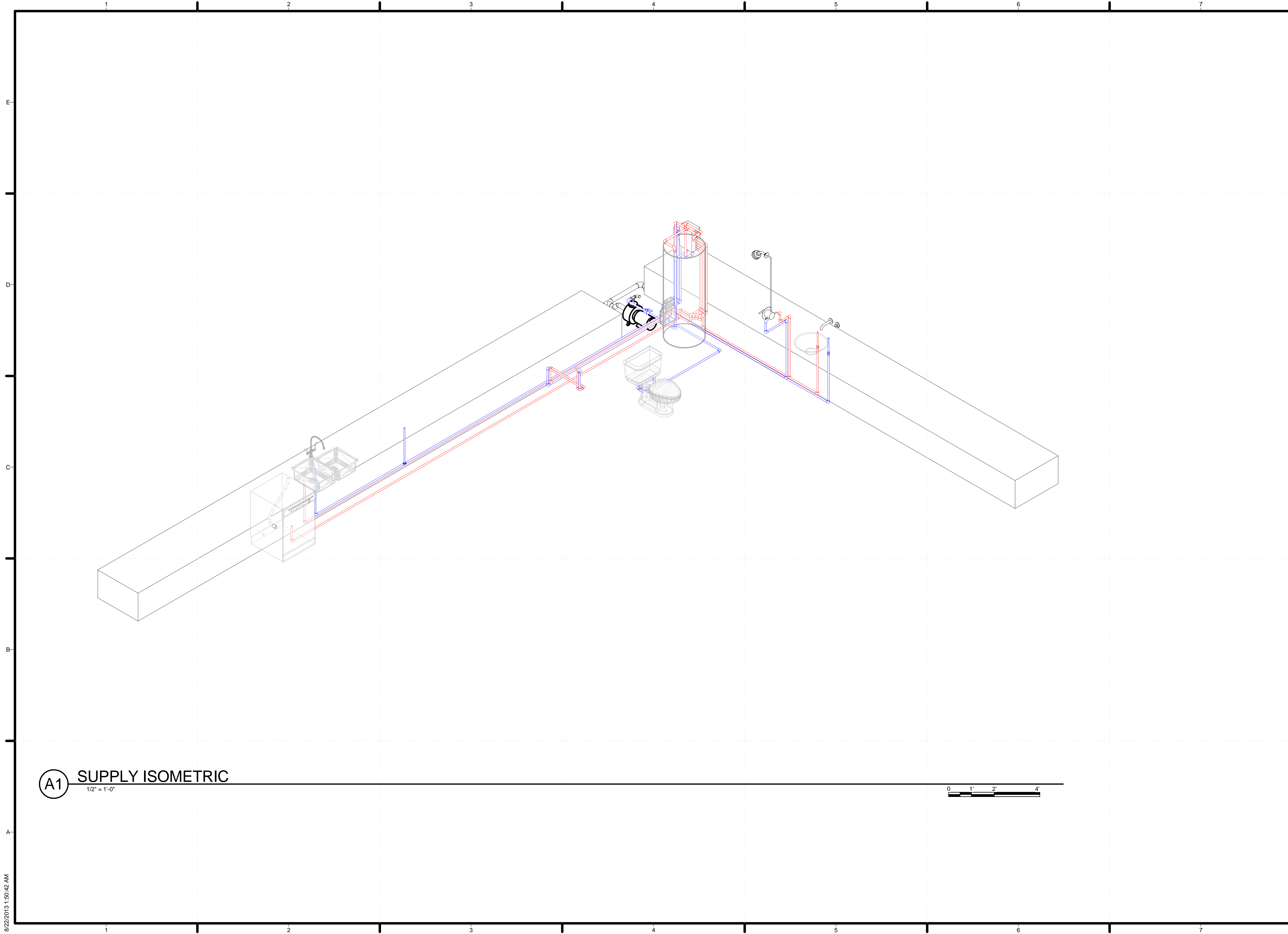
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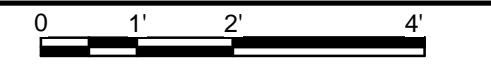
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SHEET TITLE
COMPLETE PLUMBING ISOMETRIC

P-901



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

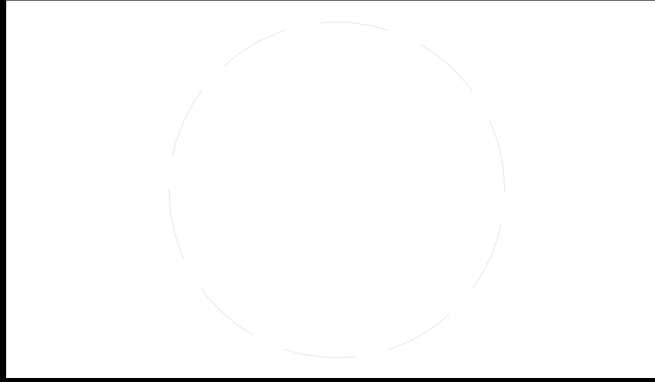


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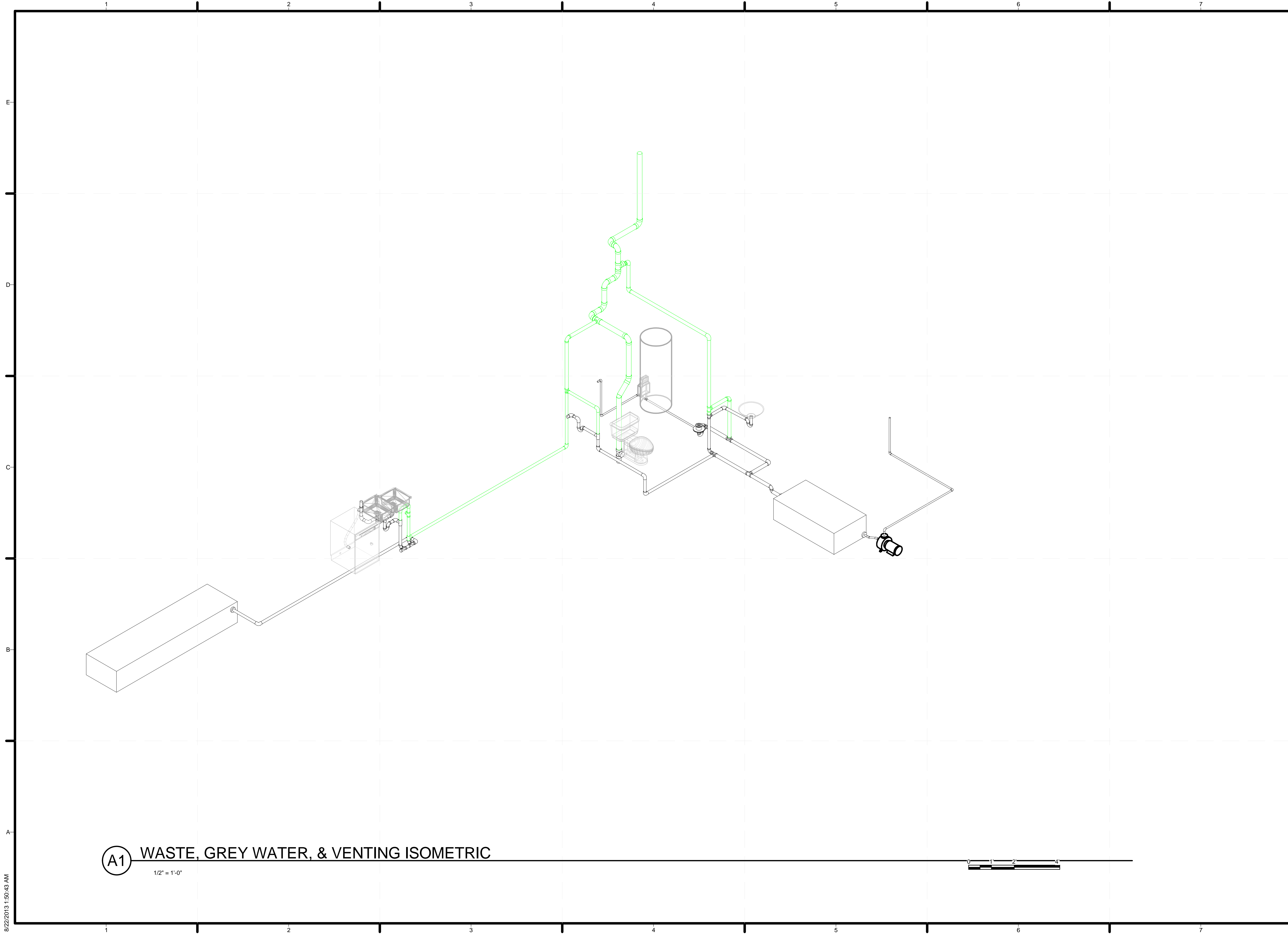
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MARK	DATE	DESCRIPTION
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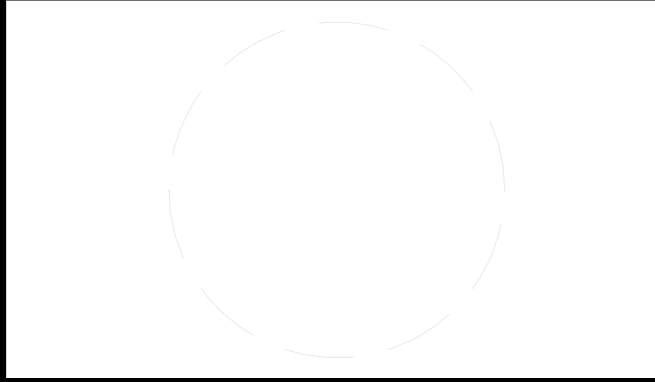
SHEET TITLE
SUPPLY ISOMETRIC

P-902



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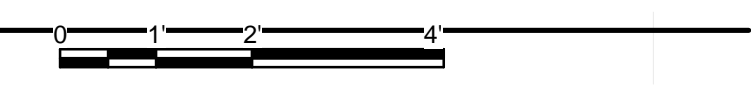
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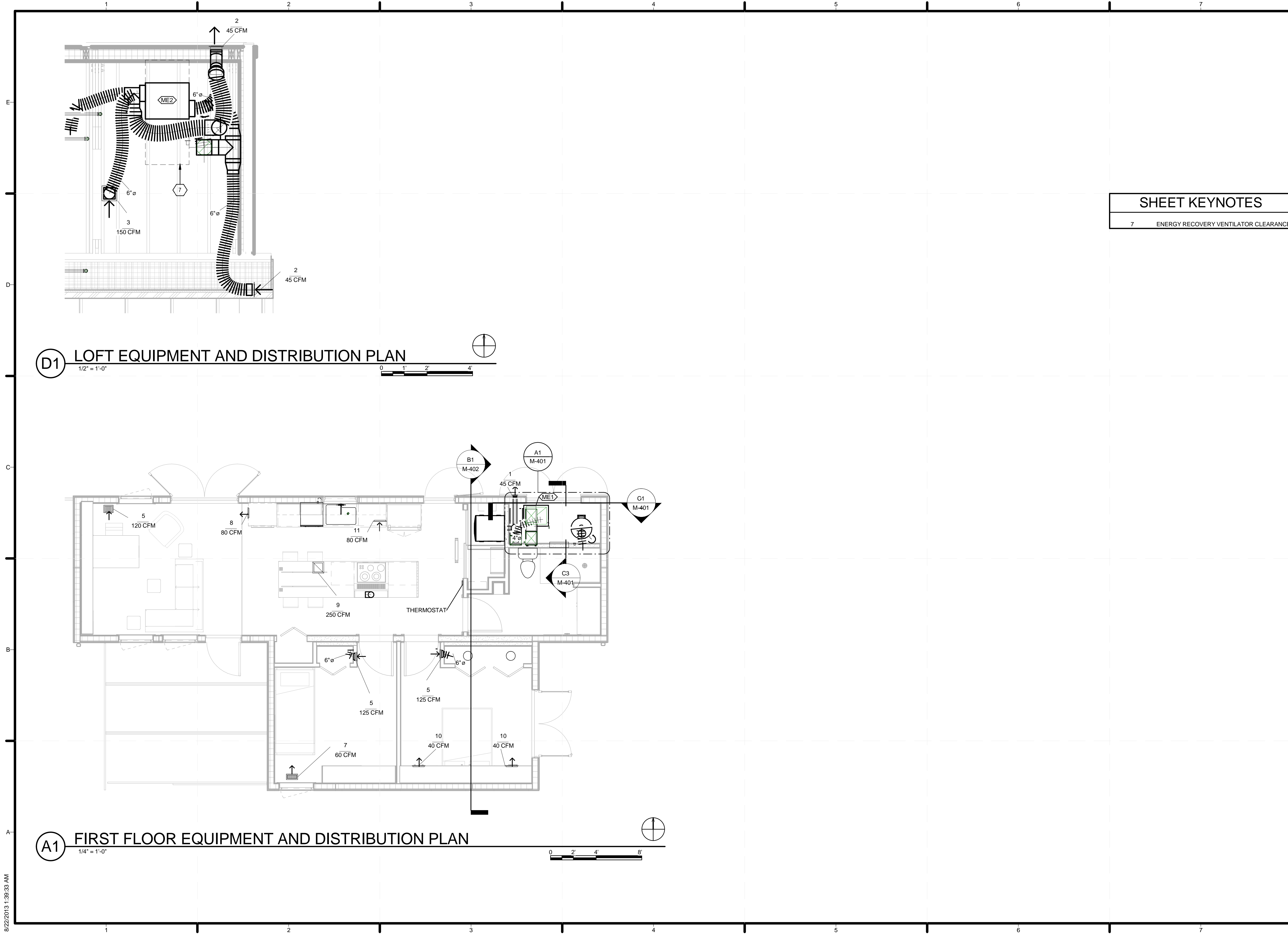
SHEET TITLE
**WASTE , GREY WATER,
 & VENTING ISOMETRIC**

P-903

A1 WASTE, GREY WATER, & VENTING ISOMETRIC
 1/2" = 1'-0"



8/22/2013 1:50:43 AM



D1 LOFT EQUIPMENT AND DISTRIBUTION PLAN
 1/2" = 1'-0"
 0 1' 2' 4'

A1 FIRST FLOOR EQUIPMENT AND DISTRIBUTION PLAN
 1/4" = 1'-0"
 0 2' 4' 8'

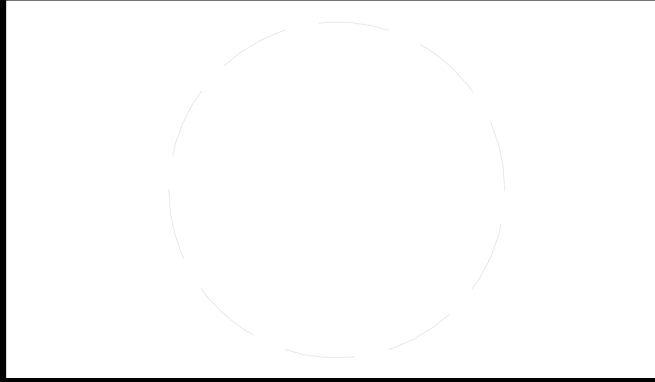
SHEET KEYNOTES

7 ENERGY RECOVERY VENTILATOR CLEARANCE



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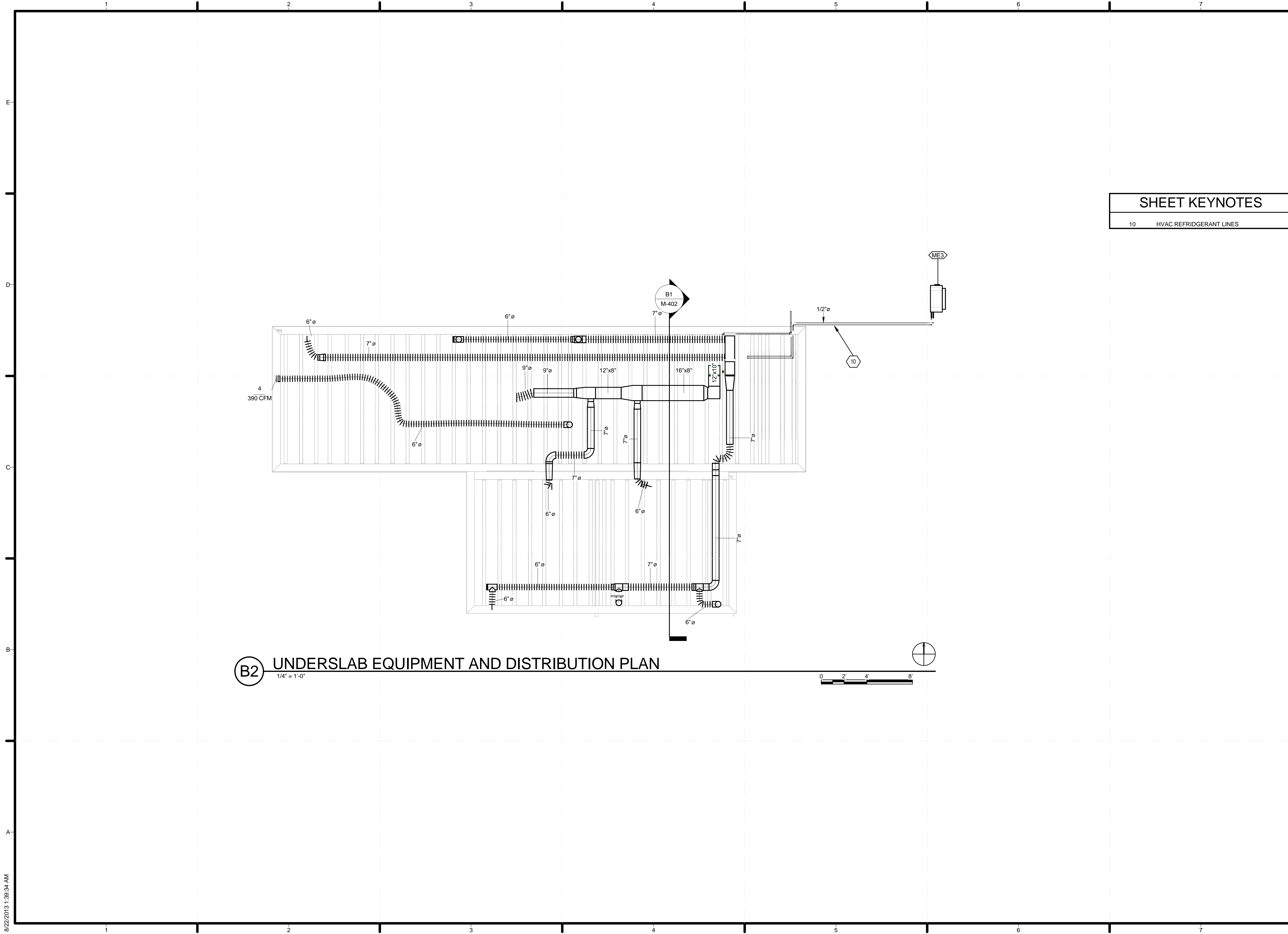
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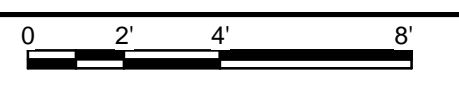
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SHEET TITLE
HVAC EQUIPMENT AND DISTRIBUTION PLAN

M-101



B2 UNDERSLAB EQUIPMENT AND DISTRIBUTION PLAN
 1/4" = 1'-0"



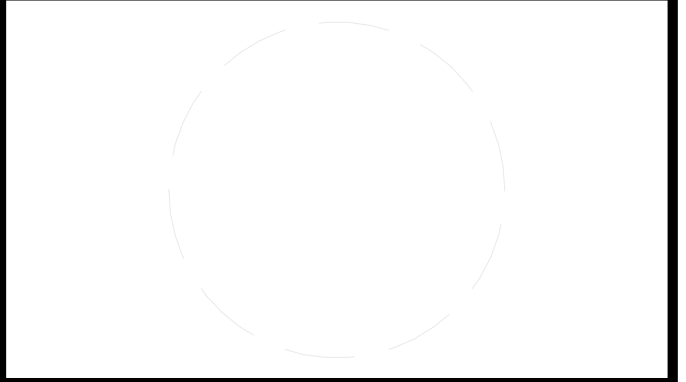
SHEET KEYNOTES

10 HVAC REFRIGERANT LINES



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HVAC EQUIPMENT AND DISTRIBUTION PLAN

M-102



SHEET KEYNOTES

4	HOT WATER HEATER CLEARANCE
5	AIR HANDLER CLEARANCE
6	ELECTRICAL PANEL CLEARANCE
10	HVAC REFRIDGERANT LINES

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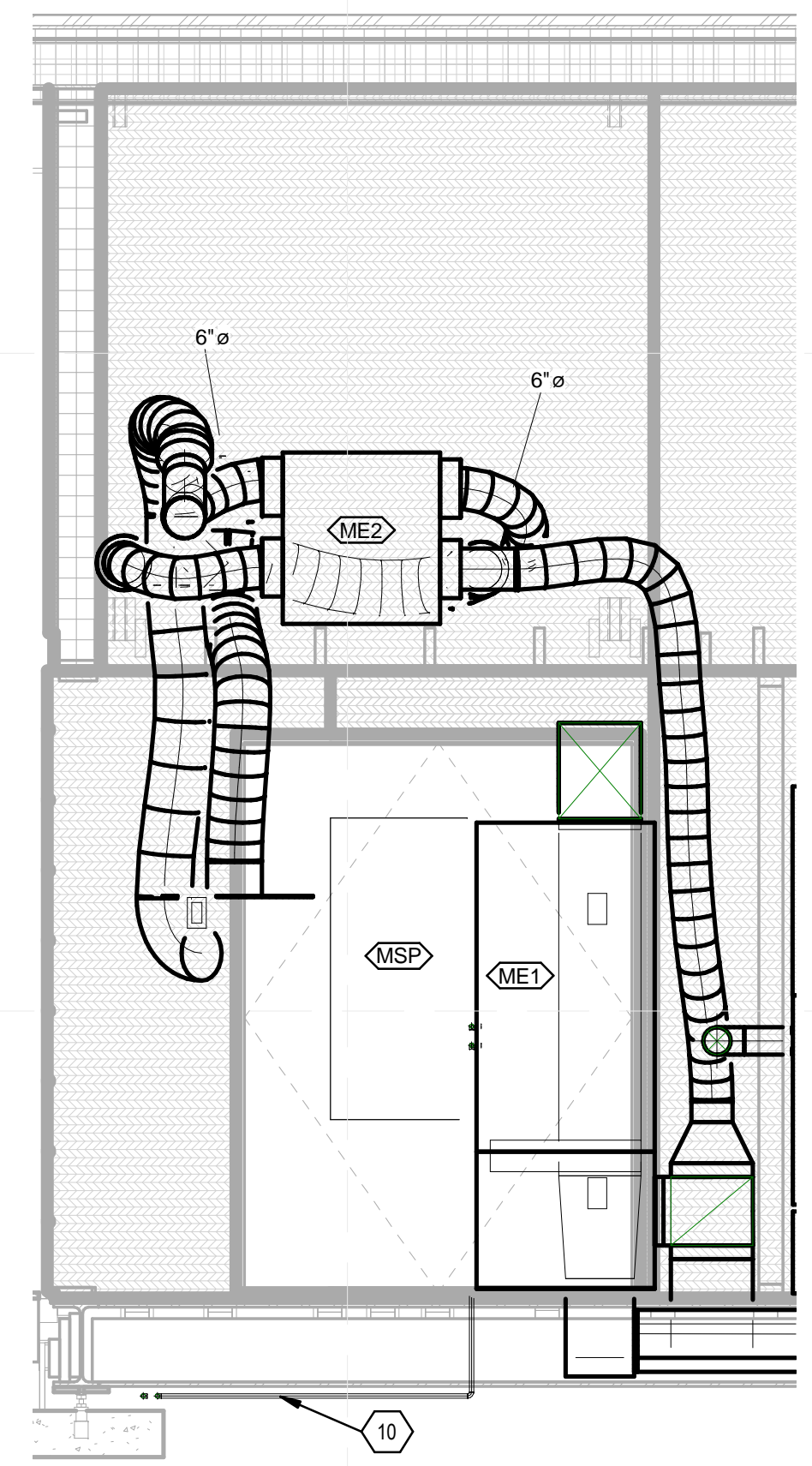
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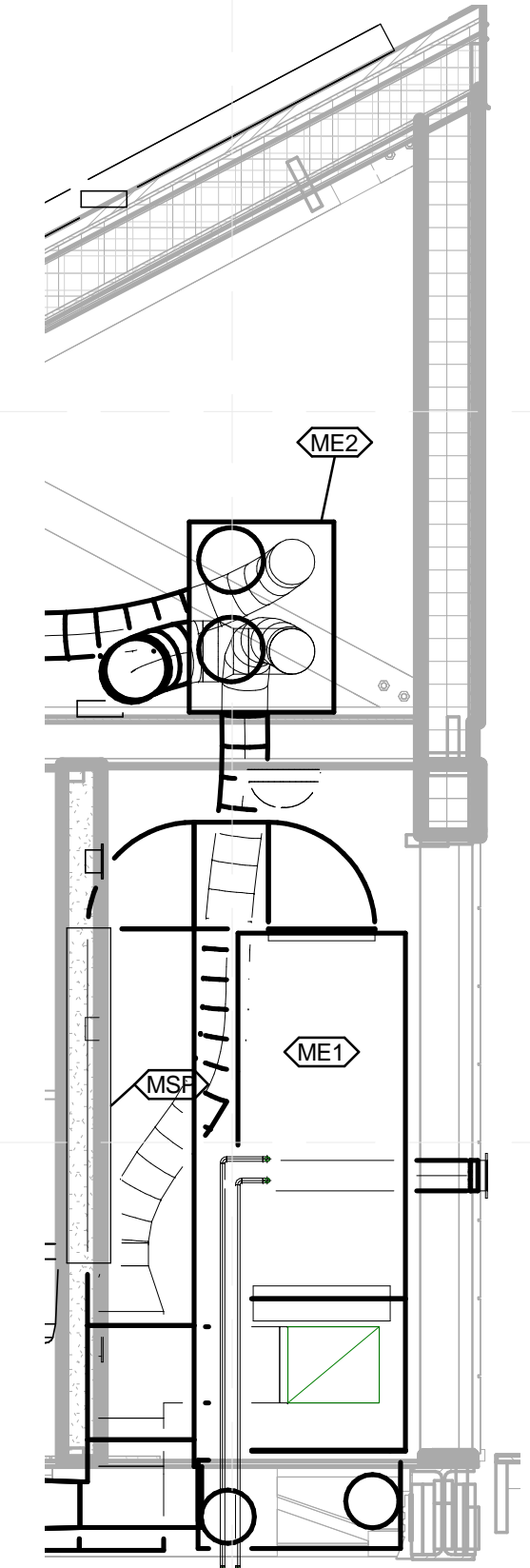
SHEET TITLE

**MECHANICAL ROOM
 HVAC PLAN AND
 ELEVATIONS**

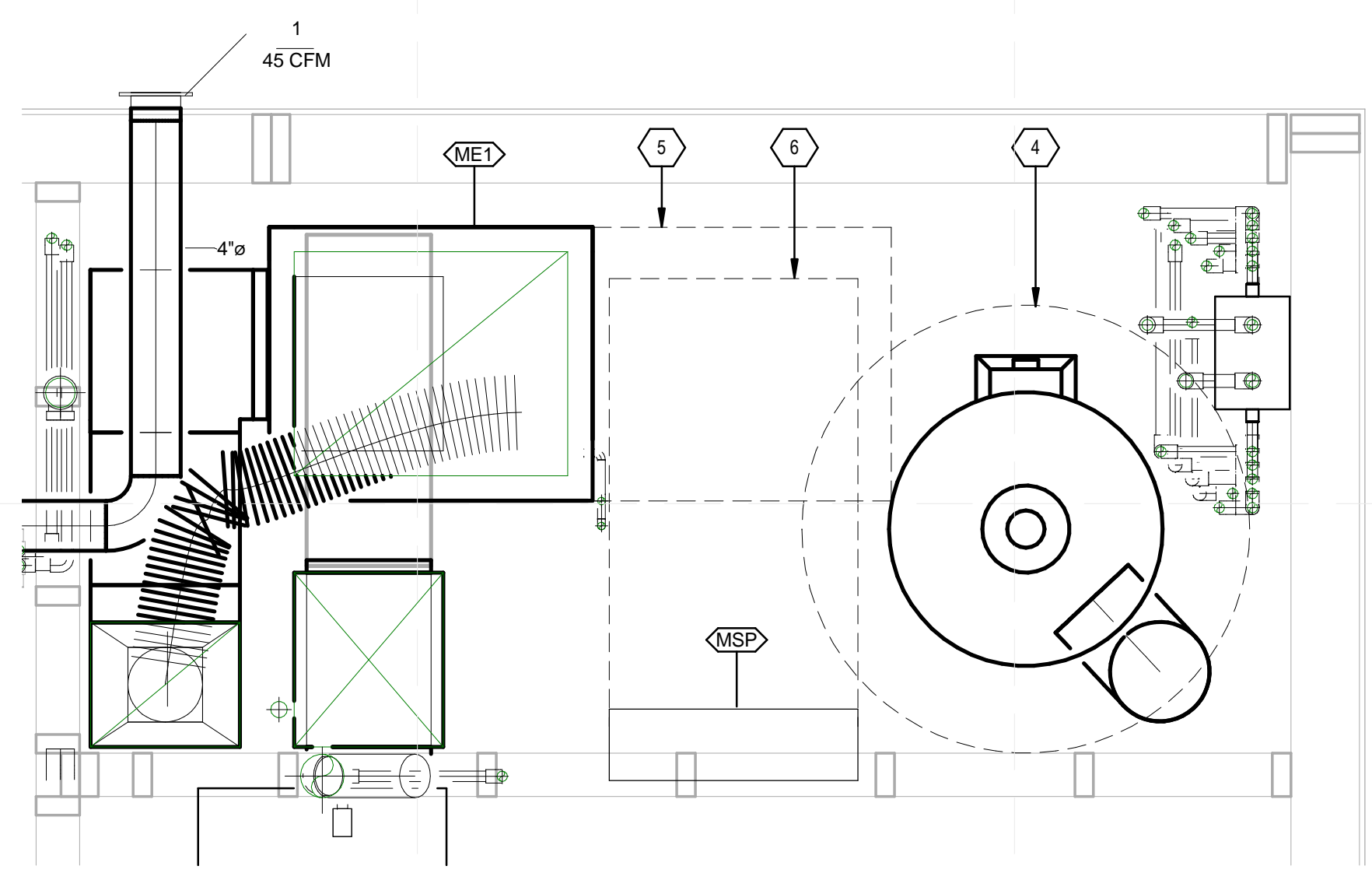
M-401



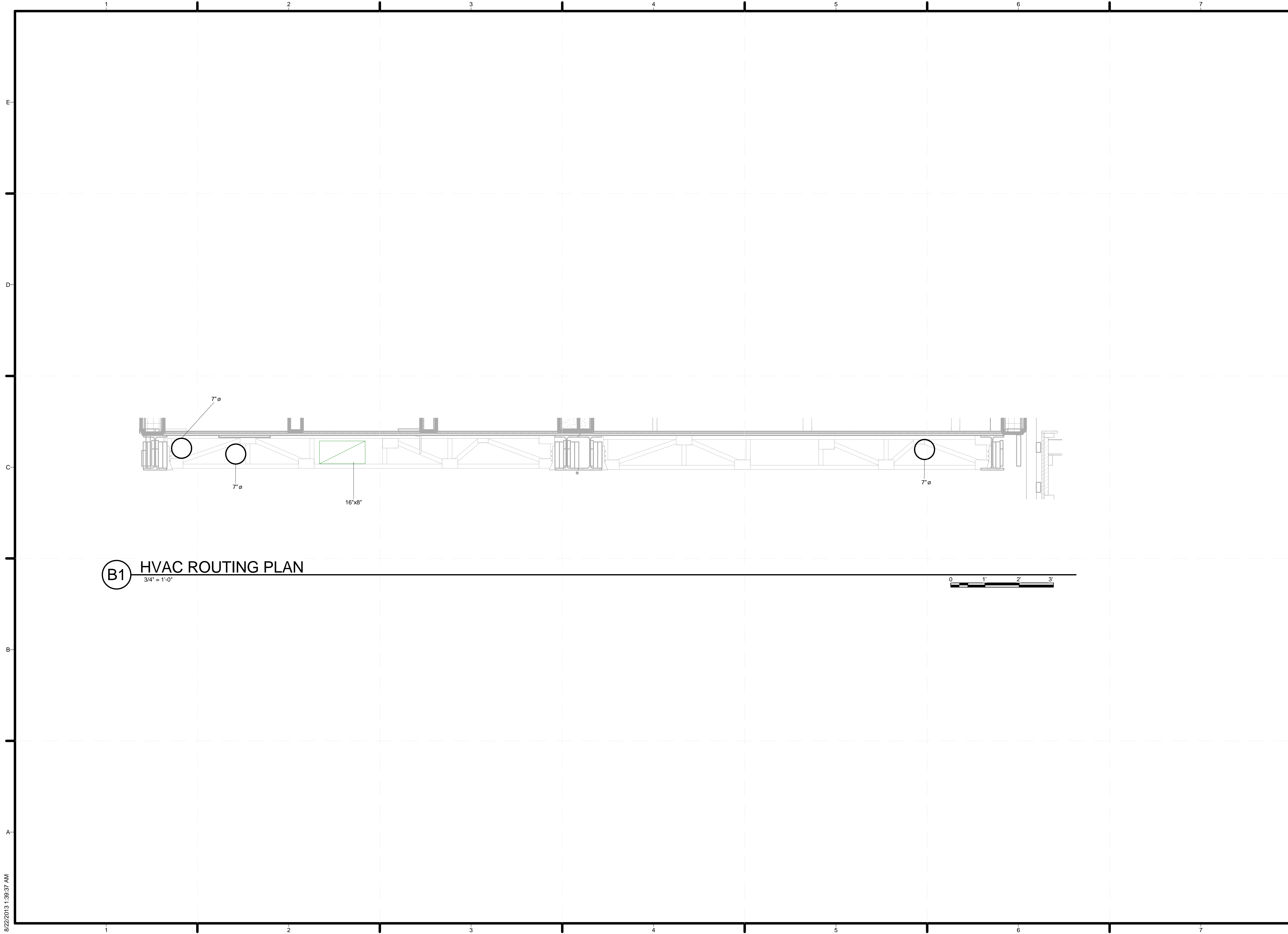
C1 HVAC NORTH ELEVATION
 1/2" = 1'-0"
 0 1' 2' 4'



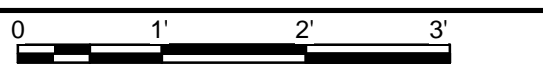
C3 HVAC WEST ELEVATION
 1/2" = 1'-0"
 0 1' 2' 4'



A1 HVAC MECHANICAL ROOM PLAN
 1" = 1'-0"
 0 1' 2'

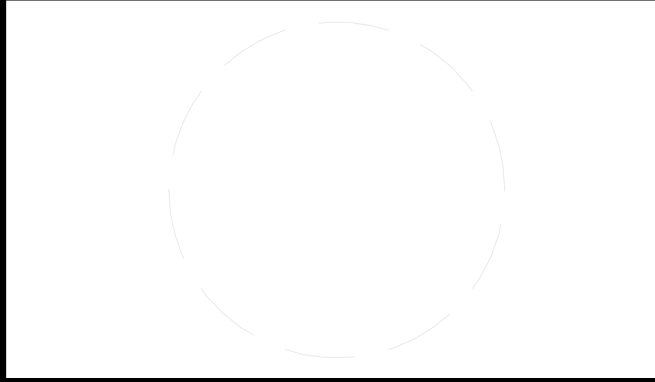


B1 HVAC ROUTING PLAN
3/4" = 1'-0"



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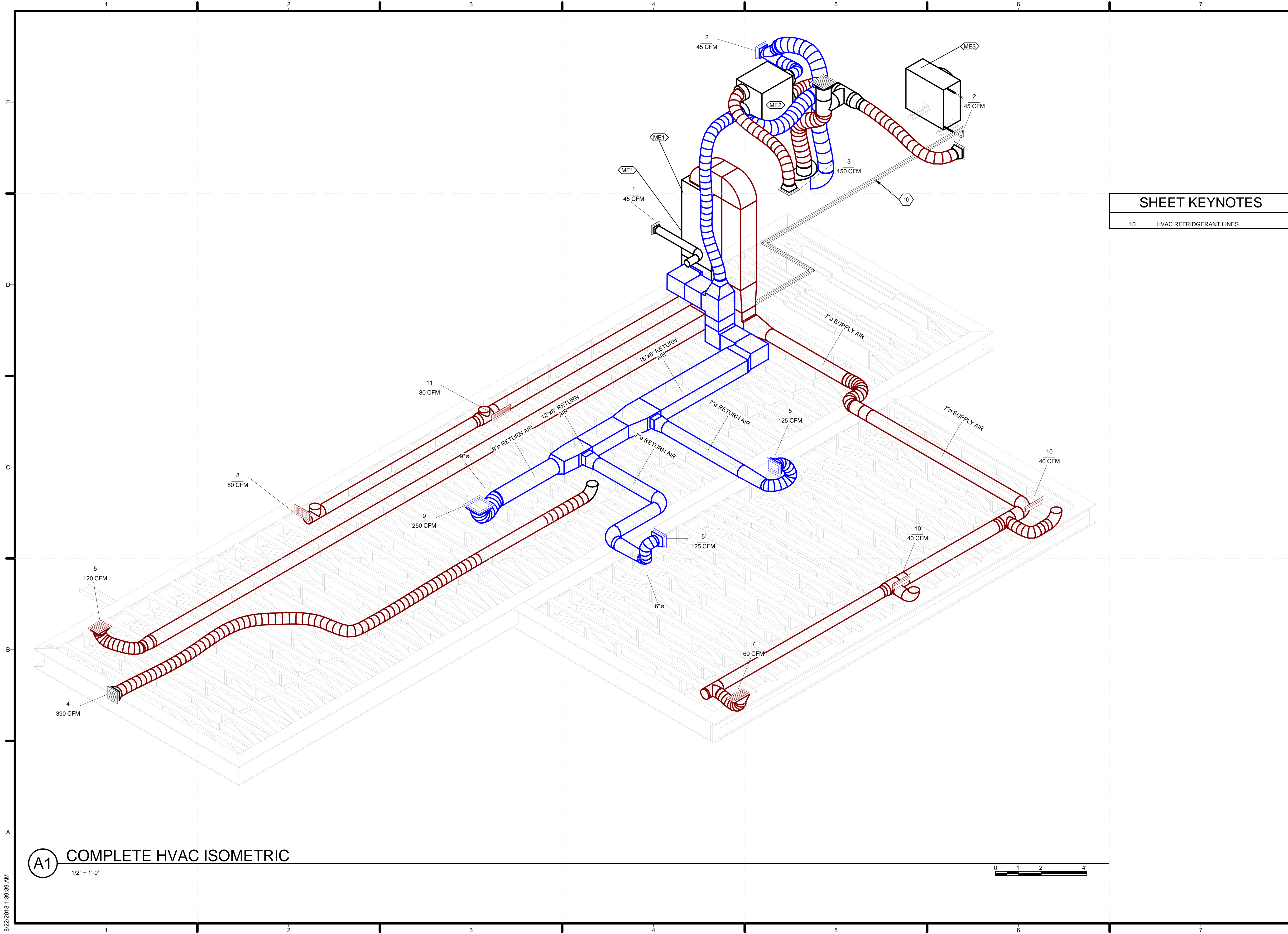
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SHEET TITLE
 HVAC DUCT ROUTING

M-402

8/22/2013 1:39:37 AM



(A1) COMPLETE HVAC ISOMETRIC
1/2" = 1'-0"

SHEET KEYNOTES

10 HVAC REFRIGERANT LINES



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SHEET TITLE
COMPLETE HVAC ISOMETRIC

M-901

8/22/2013 1:39:39 AM

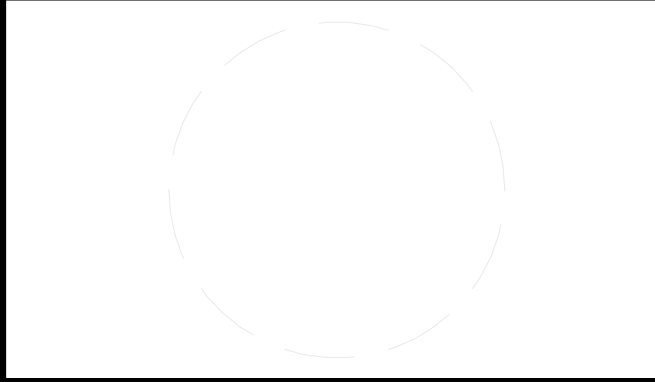
MODULE SPECIFICATIONS	
MANUFACTURER	SUNPREME
MODEL	GX 290 AR
P_MAX	290W
V_OC	49V
I_SC	8.2A
V_MP	37.9V
I_MP	7.7A
SERIES FUSE RATING	15A
MAX SYSTEM VOLTAGE	600V
LISTING ORGANIZATION	UL 1703
SOLAR ARRAY ASSUMPTIONS	
NUMBER OF MODULES IN SERIES/ARRAY	9
NUMBER OF ARRAYS	3
TOTAL NUMBER OF MODULES IN SYSTEM	27
AMB. TEMP	46 +/- 20C
LOWEST TEMP.	-40C
HIGHEST TEMP.	85C
V TEMP ADJ	-0.20%/OC
I TEMP ADJ	+0.05%/OC
INVERTER SPECIFICATIONS	
MANUFACTURER	SCHNEIDER ELECTRIC
MODEL	CONEXT TX 2800 NA
MAX DC INPUT VOLTAGE	600 VDC
MAX INPUT I_SC	24A
MAX INPUT CURRENT	15.5A
OUTPUT POWER	2800W
NOMINAL OUTPUT CURRENT	11.8A
MAX OUTPUT CURRENT	15A
AC OPERATING VOLTAGE RANGE	212 - 263V
POWER FACTOR	>0.99
SOLAR POWER CALCULATIONS	
MAX DC WATTS/INVERTER	2,610 WATTS
MAX TOTAL DC WATTS (3 INVERTERS)	7,830 WATTS

ELECTRICAL CIRCUIT SCHEDULE						
LOAD NAME	LOAD CLASSIFICATION	APPARENT LOAD	VOLTAGE	APPARENT CURRENT	RATING	
OUTDOOR RECEPTACLES	Receptacle	1080 VA	120 V	9 A	20 A	
TELEPHONE						
COOKTOP	Power	3700 VA	240 V	15 A	20 A	
200 A, 120 V/240 V, Single Phase, 3 Wires	Other; Power; Lighting; Receptacle; Cooling; Appliance - Dwelling Unit	22206 VA	240 V	93 A	20 A	
PV ARRAY 2	Other	0 VA	120 V	0 A	20 A	
PV ARRAY 1	Other	0 VA	120 V	0 A	20 A	
LIGHTING	Lighting	0 VA	120 V	0 A	20 A	
POWER	Power	4000 VA	220 V	18 A	20 A	
POWER	Power	4000 VA	220 V	18 A	20 A	
POWER	Power	4000 VA	220 V	18 A	20 A	
CONTROLS						
DRYER	Receptacle	0 VA	240 V	0 A	20 A	
OTHER	Other	1092 VA	120 V	9 A	20 A	
KITCHEN LIGHTING 1 OF 2	Other	0 VA	120 V	0 A	20 A	
KITCHEN LIGHTING 2 OF 2	Other	0 VA	120 V	0 A	20 A	
OUTDOOR LIGHTING (FRONT)	Lighting	112 VA	120 V	1 A	20 A	
OUTDOOR LIGHTING (BACK)	Other; Lighting	90 VA	120 V	1 A	20 A	
COOLING	Cooling	10816 VA	240 V	45 A	20 A	
APPLIANCE - DWELLING UNIT	Appliance - Dwelling Unit	373 VA	120 V	3 A	20 A	
COOLING	Cooling	598 VA	240 V	2 A	20 A	
APPLIANCE - DWELLING UNIT	Appliance - Dwelling Unit	75 VA	120 V	1 A	20 A	
APPLIANCE - DWELLING UNIT	Appliance - Dwelling Unit	208 VA	240 V	1 A	20 A	
POWER	Power	500 VA	220 V	2 A	20 A	
RECEPTACLE	Receptacle	180 VA	120 V	2 A	20 A	
KITCHEN #1	Receptacle	264 VA	120 V	2 A	20 A	
KITCHEN #2	Receptacle	264 VA	120 V	2 A	20 A	
RECEPTACLE	Receptacle	900 VA	120 V	8 A	20 A	
BEDROOM #1 CKT.	Other; Receptacle	900 VA	120 V	8 A	20 A	
RECEPTACLE	Receptacle	720 VA	120 V	6 A	20 A	
RECEPTACLE	Receptacle	66 VA	120 V	1 A	20 A	
RECEPTACLE	Receptacle	360 VA	120 V	3 A	20 A	
RECEPTACLE	Receptacle	0 VA	240 V	0 A	20 A	
POWER	Power	1200 VA	240 V	5 A	20 A	
DATA						
DATA						
DATA						
DATA						
CONTROLS						
OTHER	Other	0 VA	120 V	0 A	20 A	
OTHER	Other	0 VA	120 V	0 A	20 A	
OTHER	Other	0 VA	120 V	0 A	20 A	
Other	Other	0 VA	120 V	0 A	20 A	
Other	Other	0 VA	120 V	0 A	20 A	
Receptacle	Receptacle	360 VA	120 V	3 A	20 A	
Receptacle	Receptacle	180 VA	120 V	2 A	20 A	
Other	Other	0 VA	120 V	0 A	20 A	
Other	Other	0 VA	120 V	0 A	20 A	



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SHEET TITLE
MAIN FEEDER AND PV SYSTEMS CALCULATIONS

E-002

GENERAL SHEET NOTES

1. ALL INSTALLATION PER NATIONAL ELECTRIC CODE.
2. ALL BRANCH CIRCUITS GO TO "AC BREAKER PANEL" LOCATED IN MECHANICAL ROOM.
3. ALL BEDROOM OUTLETS, HALLWAY, LAUNDRY, AND BEDROOM LIGHTS SHALL BE PROTECTED BY AFCI BREAKERS.
4. ALL SMOKE ALARMS TO BE INSTALLED IN ACCORDANCE WITH NFPA72. FOLLOW MANUFACTURER'S REQUIREMENTS FOR INSTALLATION.
5. SMOKE ALARMS SHALL BE INTERCONNECTED AND AFCI PROTECTED.
6. UNLESS NOTED OTHERWISE ALL RECEPTACLES TO BE LOCATED AT 14-1/2" TO CENTERLINE OF RECEPTACLES.
7. UNLESS NOTED OTHERWISE ALL SWITCHES TO BE LOCATED AT 48-1/2" TO CENTERLINE OF FIXTURE.
8. WHILE ON SITE, ORANGE COUNTY GREAT PARK, ORGANIZERS SHALL LOCK OUT & TAG OUT METER HOUSING UNTIL FINAL APPROVAL IS GRANTED.
9. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
10. ALL OUTSIDE RECEPTACLES SHALL BE WEATHER RESISTANT.



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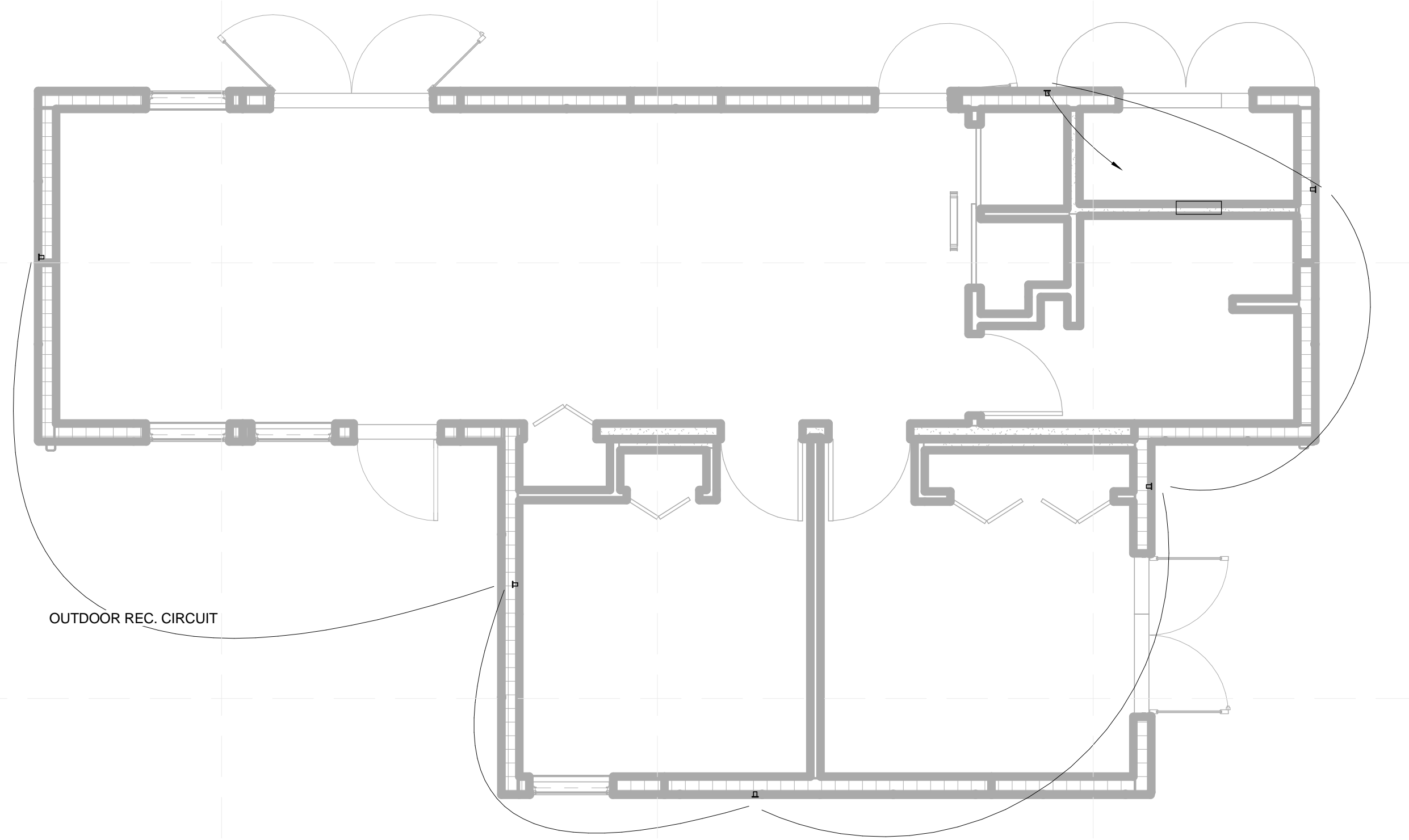


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SHEET TITLE
ELECTRICAL RECEPTACLE PLAN - EXTERIOR
E-102



B2 POWER PLAN - EXTERIOR
 1/4" = 1'-0"

GENERAL SHEET NOTES

1. ALL INSTALLATION PER NATIONAL ELECTRIC CODE.
2. ALL BRANCH CIRCUITS GO TO "AC BREAKER PANEL" LOCATED IN MECHANICAL ROOM.
3. ALL BEDROOM OUTLETS, HALLWAY, LAUNDRY, AND BEDROOM LIGHTS SHALL BE PROTECTED BY AFCI BREAKERS.
4. ALL SMOKE ALARMS TO BE INSTALLED IN ACCORDANCE WITH NFPA72. FOLLOW MANUFACTURER'S REQUIREMENTS FOR INSTALLATION.
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8. WHILE ON SITE, ORANGE COUNTY GREAT PARK, ORGANIZERS SHALL LOCK OUT & TAG OUT METER HOUSING UNTIL FINAL APPROVAL IS GRANTED.
9. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
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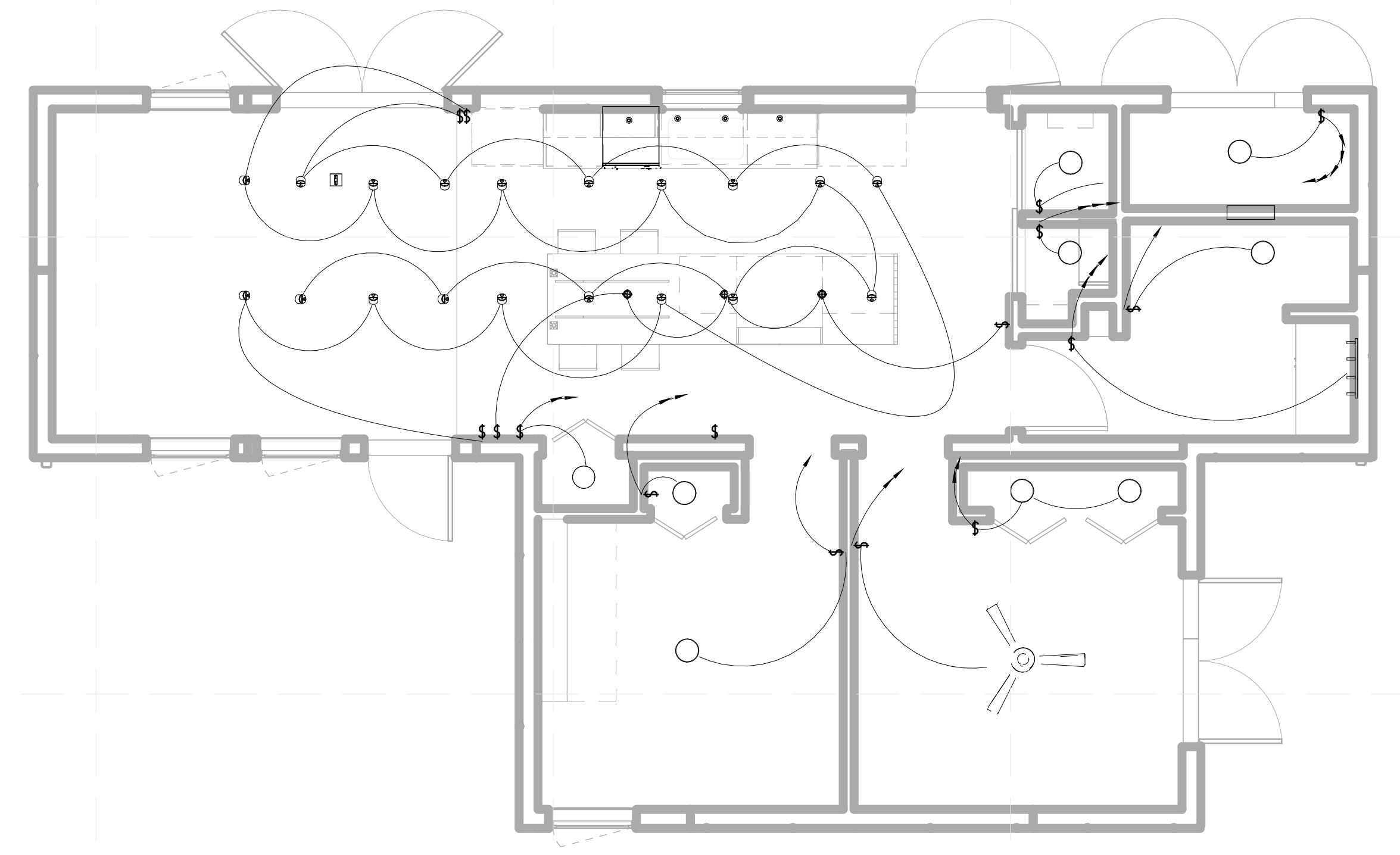


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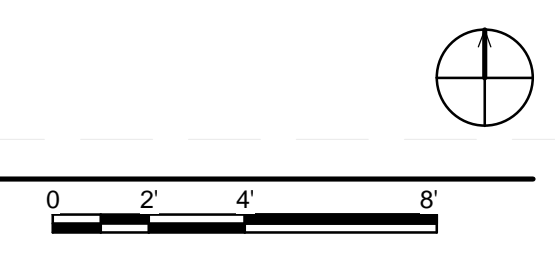
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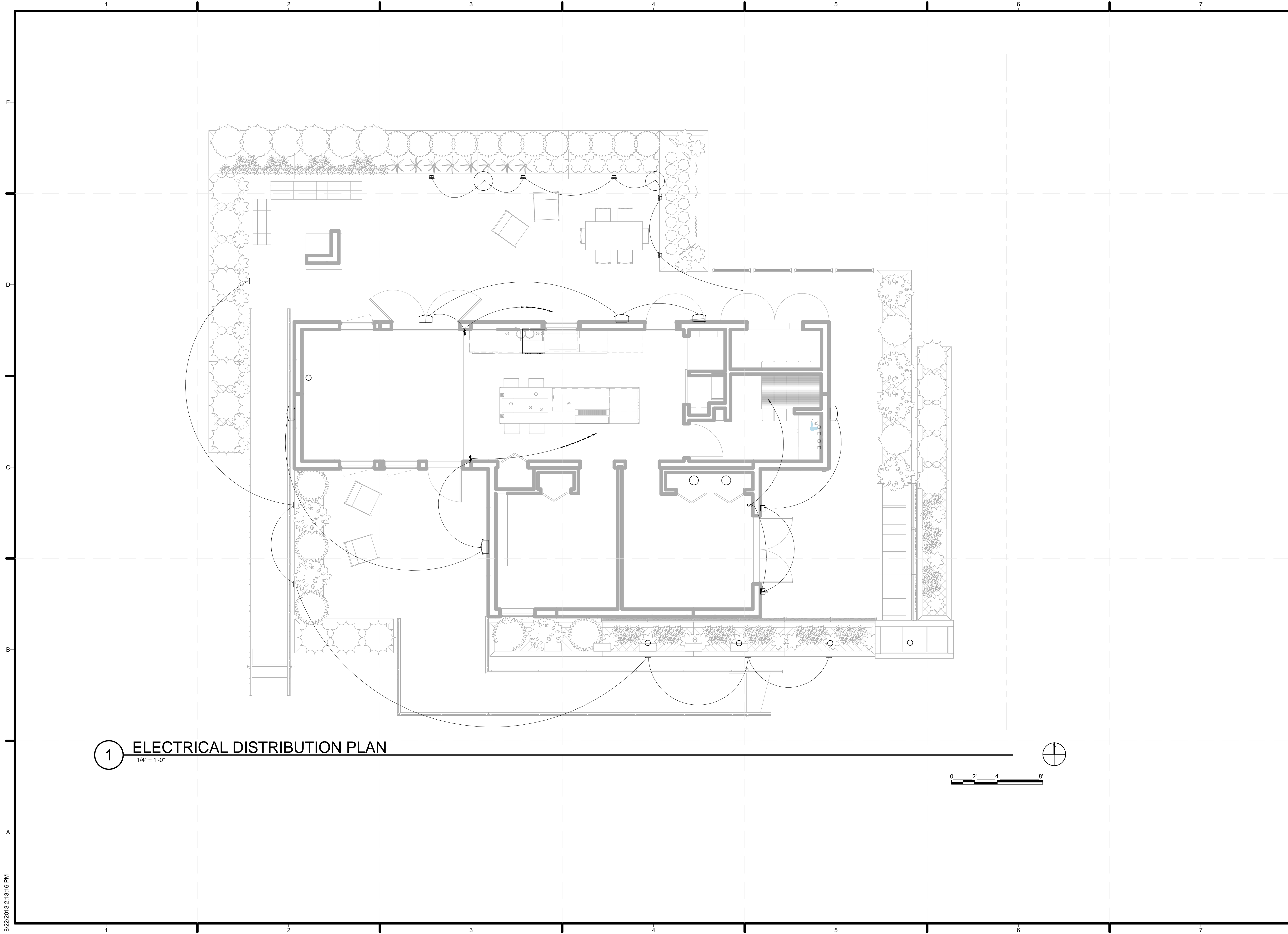
SHEET TITLE
LIGHTING PLAN - INTERIOR

E-103



A1 LIGHTING PLAN - INTERIOR
 1/4" = 1'-0"



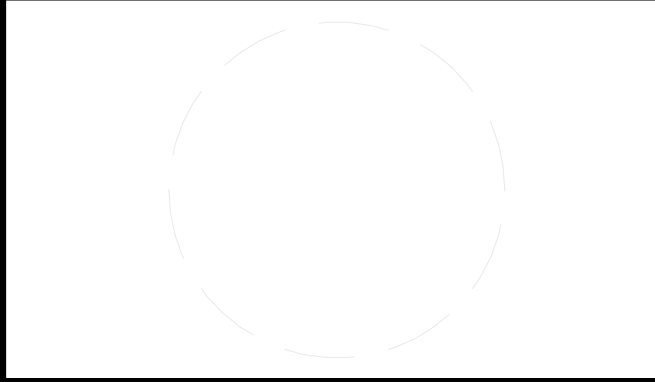


1 ELECTRICAL DISTRIBUTION PLAN
1/4" = 1'-0"



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SHEET TITLE
LIGHTING PLAN - EXTERIOR

E-104



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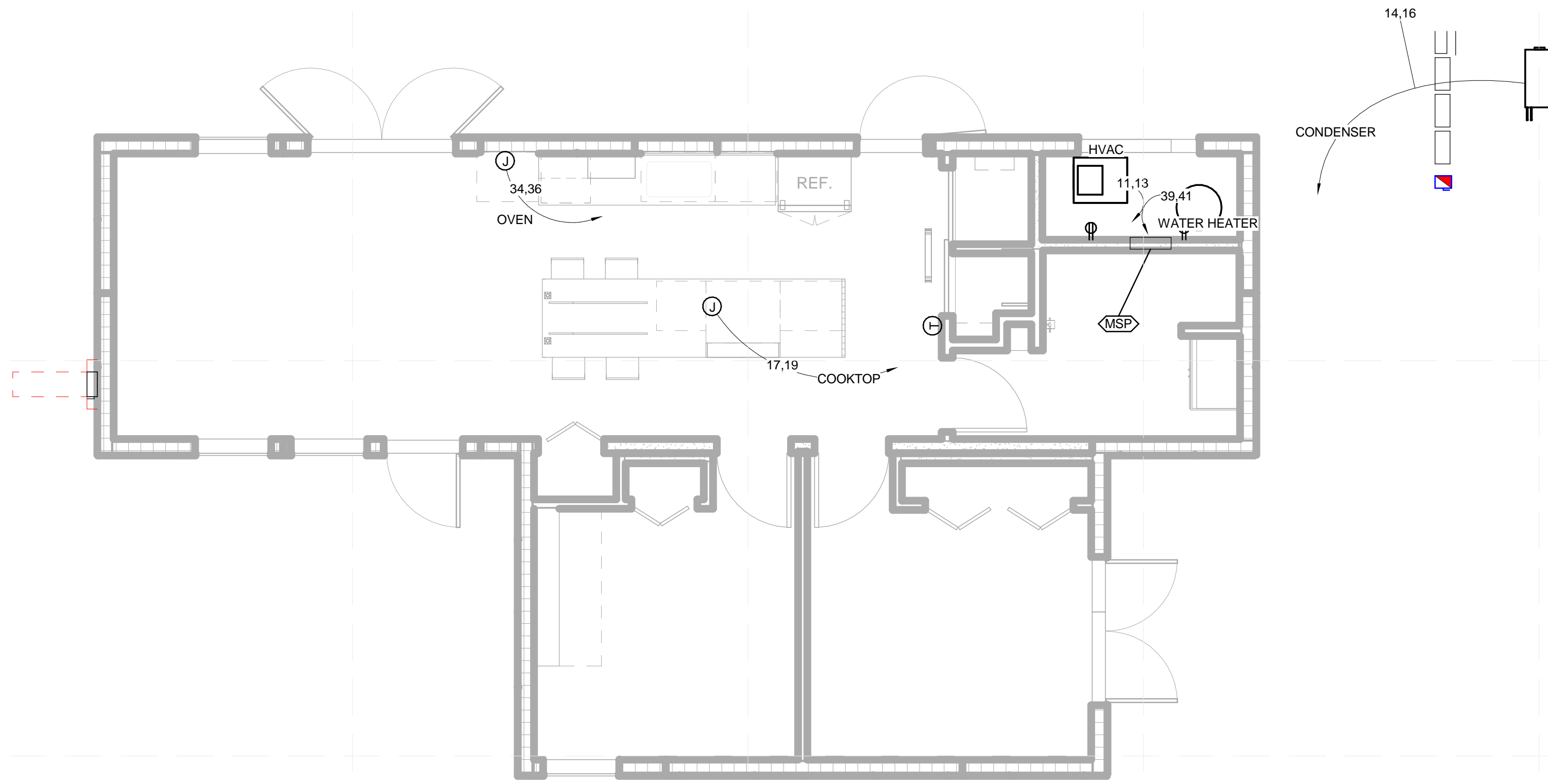
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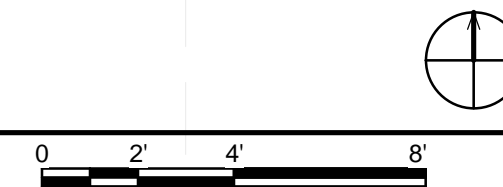
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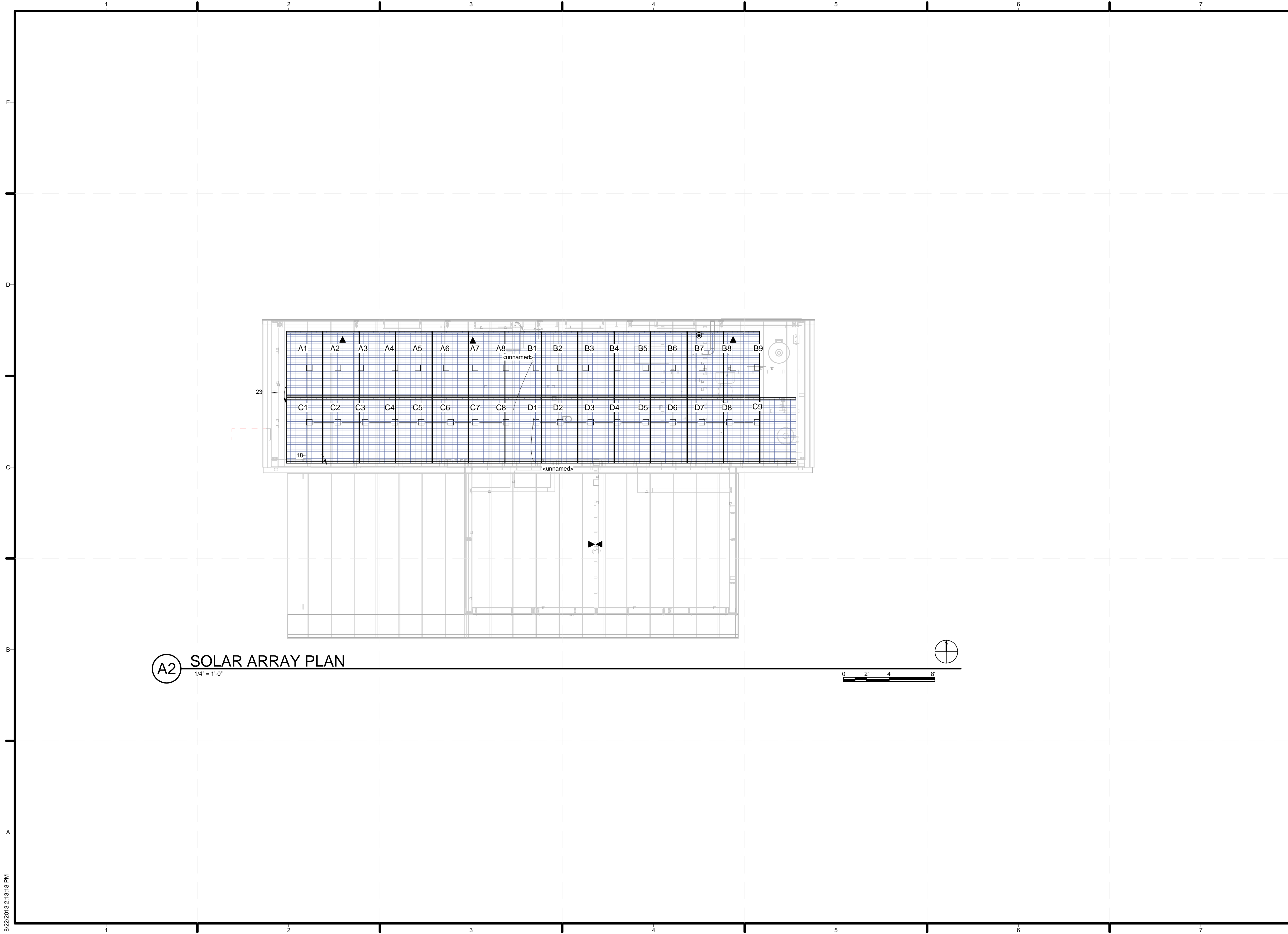
SHEET TITLE
HARDWIRED EQUIPMENT PLAN

E-105



B2 HARDWIRED EQUIPMENT PLAN
 1/4" = 1'-0"



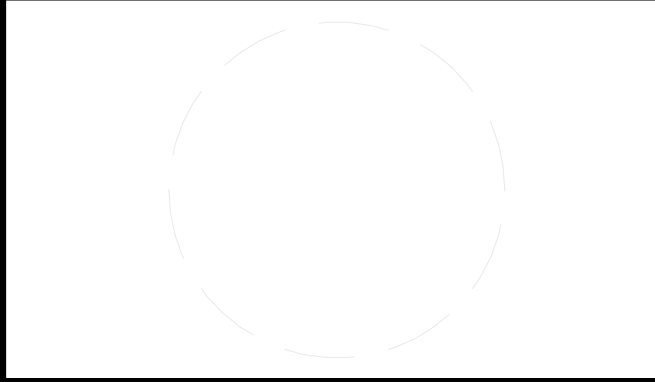


A2 SOLAR ARRAY PLAN
1/4" = 1'-0"



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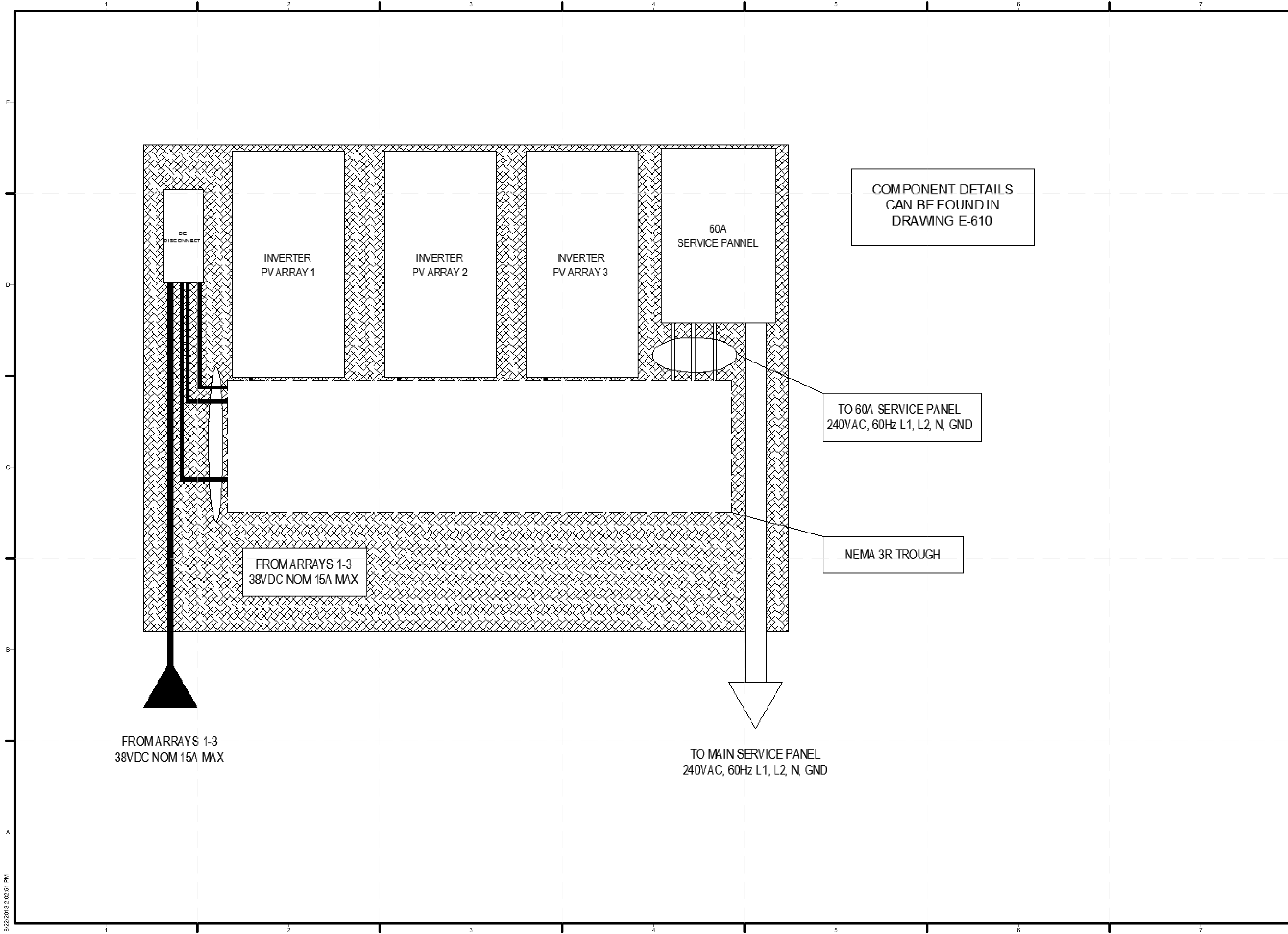
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SHEET TITLE
SOLAR ARRAY PLAN

E-106



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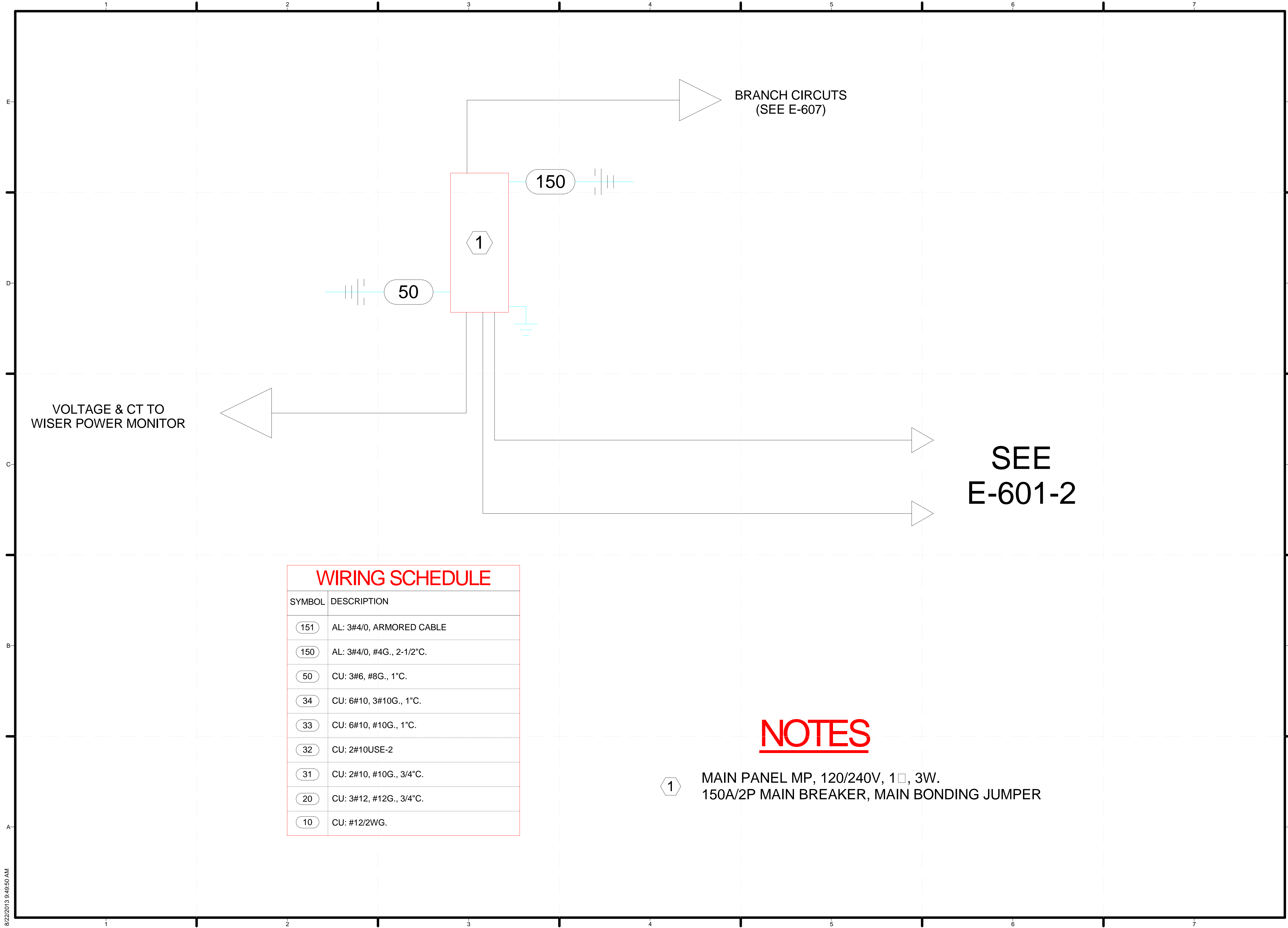
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SHEET TITLE
SOLAR PANEL EQUIPMENT ELEVATION

E-201



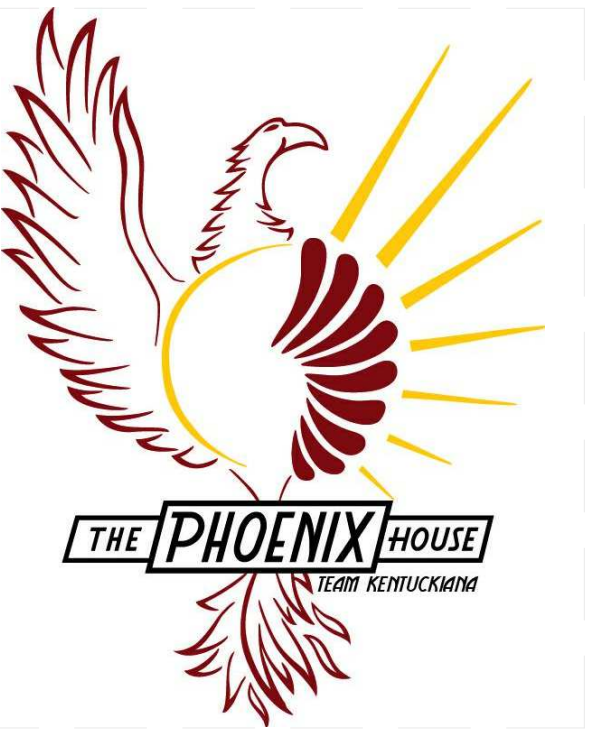
WIRING SCHEDULE

SYMBOL	DESCRIPTION
151	AL: 3#4/0, ARMORED CABLE
150	AL: 3#4/0, #4G., 2-1/2"C.
50	CU: 3#6, #8G., 1"C.
34	CU: 6#10, 3#10G., 1"C.
33	CU: 6#10, #10G., 1"C.
32	CU: 2#10USE-2
31	CU: 2#10, #10G., 3/4"C.
20	CU: 3#12, #12G., 3/4"C.
10	CU: #12/2WG.

NOTES

1 MAIN PANEL MP, 120/240V, 1□, 3W.
150A/2P MAIN BREAKER, MAIN BONDING JUMPER

SEE
E-601-2



TEAM NAME: TEAM KENTUCKIANA
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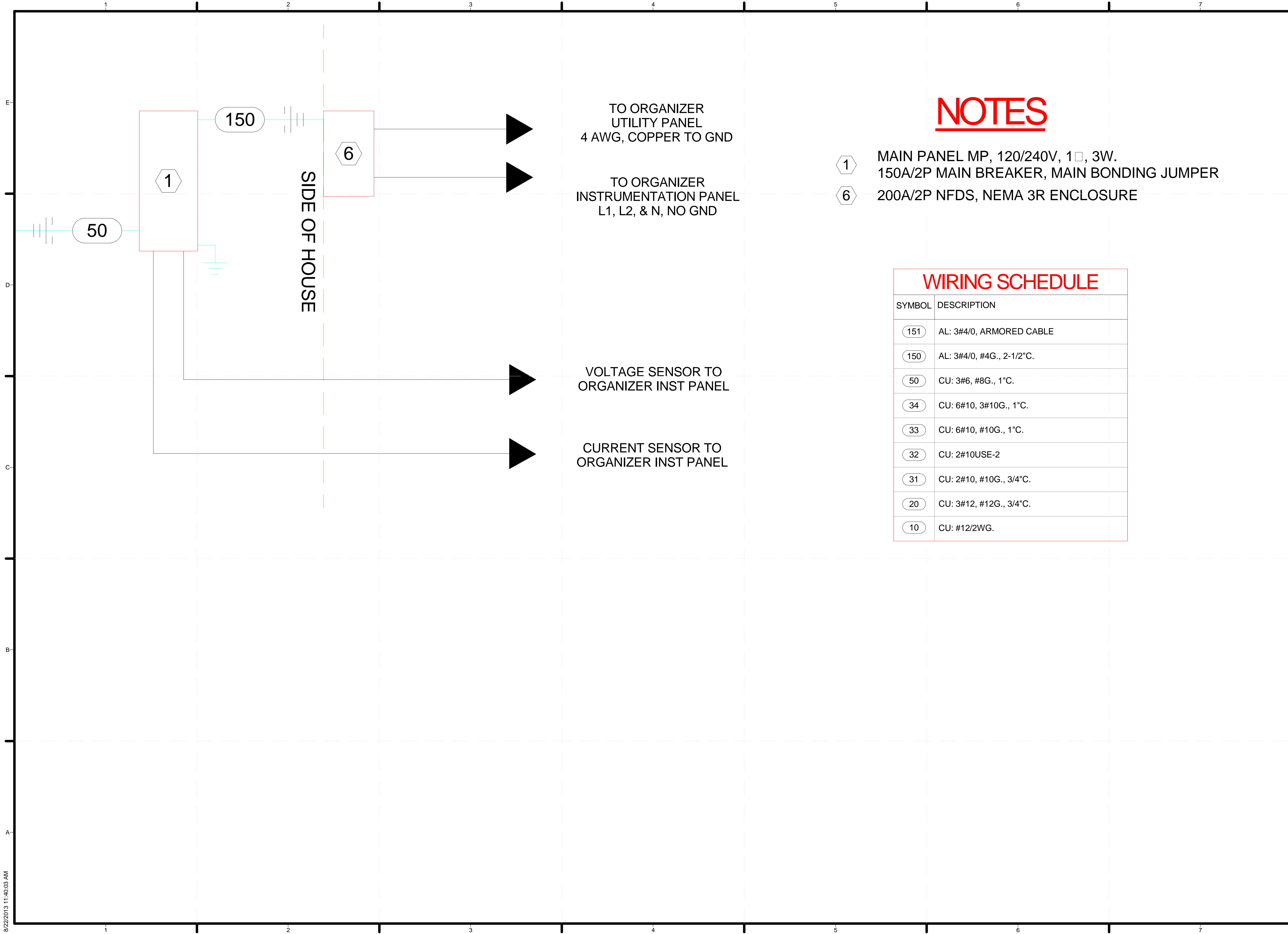
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SHEET TITLE
 SINGLE-LINE DIAGRAM
 - ELECTRICAL
 DISTRIBUTION

E-601-1



NOTES

- ① MAIN PANEL MP, 120/240V, 1□, 3W. 150A/2P MAIN BREAKER, MAIN BONDING JUMPER
- ⑥ 200A/2P NFDS, NEMA 3R ENCLOSURE

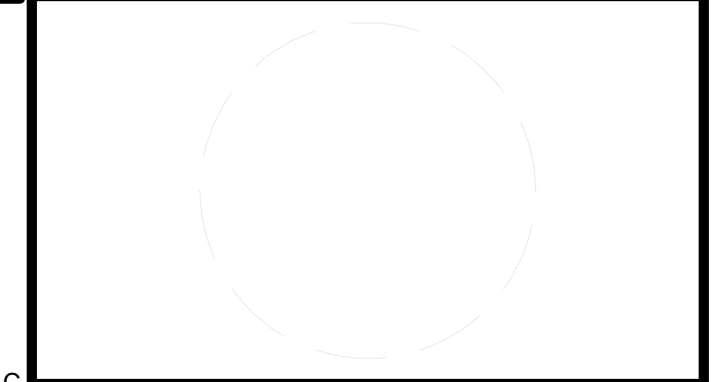
WIRING SCHEDULE

SYMBOL	DESCRIPTION
①51	AL: 3#4/0, ARMORED CABLE
①50	AL: 3#4/0, #4G., 2-1/2" C.
⑤0	CU: 3#6, #8G., 1" C.
③4	CU: 6#10, 3#10G., 1" C.
③3	CU: 6#10, #10G., 1" C.
③2	CU: 2#10USE-2
③1	CU: 2#10, #10G., 3/4" C.
②0	CU: 3#12, #12G., 3/4" C.
⑩	CU: #12/2WG.



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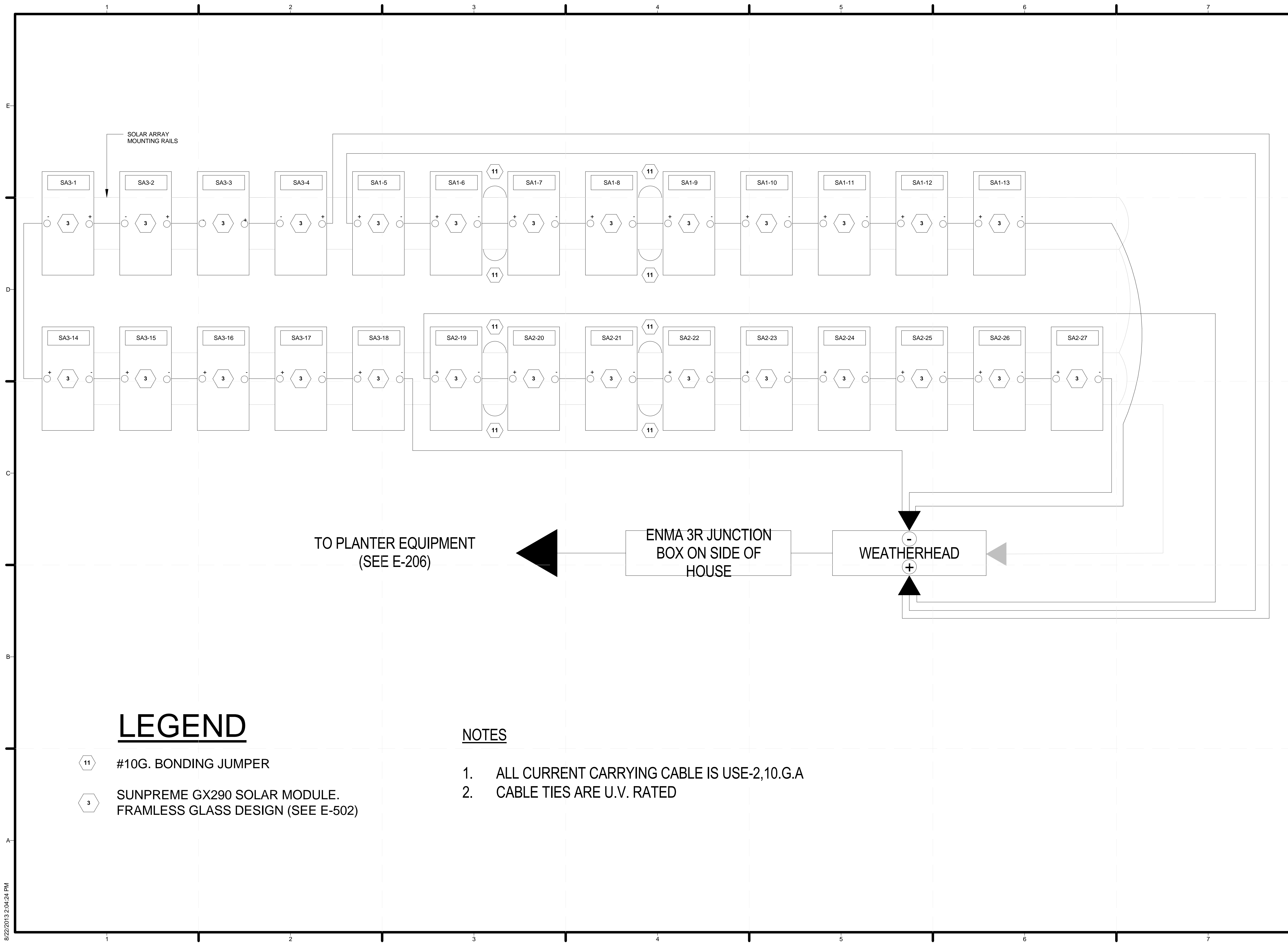
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

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SHEET TITLE
 SINGLE-LINE DIAGRAM
 - ORGANIZER
 INTERFACE

E-601-2



LEGEND

-  #10G. BONDING JUMPER
-  SUNPREME GX290 SOLAR MODULE. FRAMLESS GLASS DESIGN (SEE E-502)

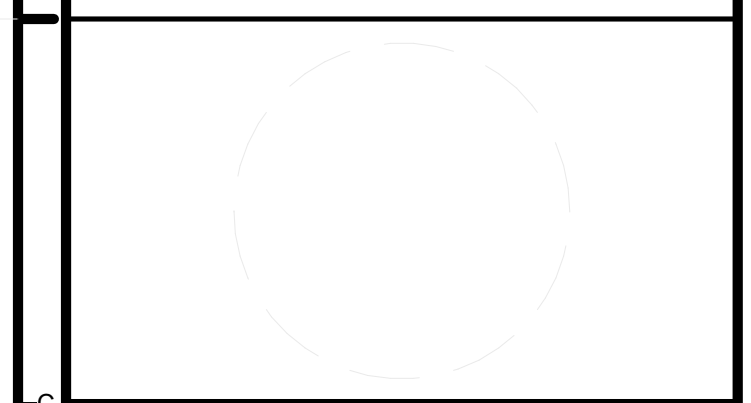
NOTES

1. ALL CURRENT CARRYING CABLE IS USE-2,10.G.A
2. CABLE TIES ARE U.V. RATED



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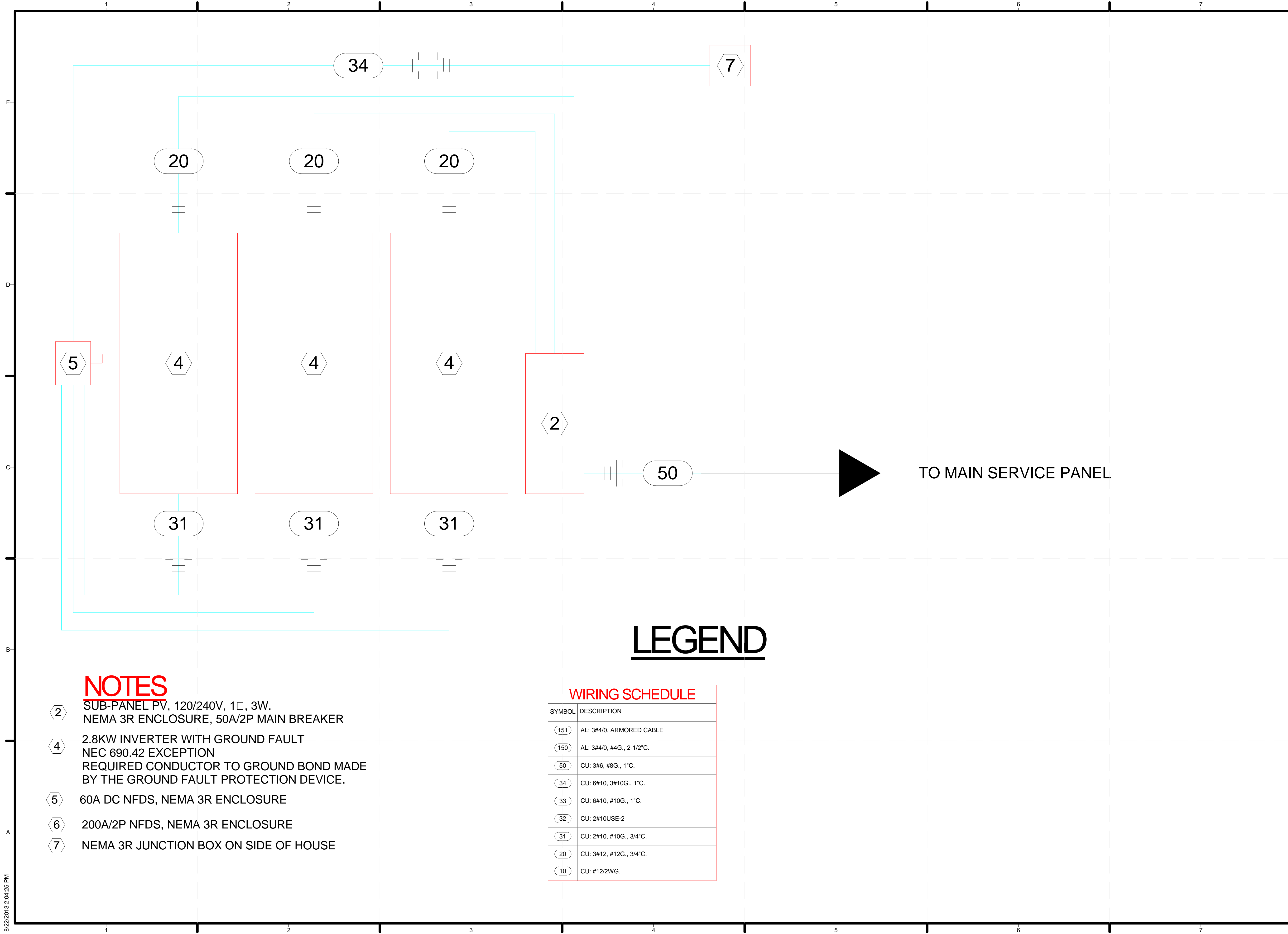
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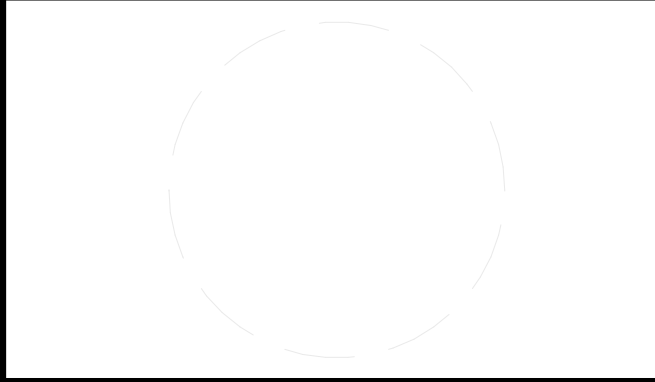
SINGLE - LINE DIAGRAM
 - PV ARRAY

E-602-1



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SHEET TITLE
**SINGLE-LINE DIAGRAM
 - PV EQUIPMENT**

E-602-2

LEGEND

WIRING SCHEDULE	
SYMBOL	DESCRIPTION
(151)	AL: 3#4/0, ARMORED CABLE
(150)	AL: 3#4/0, #4G., 2-1/2" C.
(50)	CU: 3#6, #8G., 1" C.
(34)	CU: 6#10, 3#10G., 1" C.
(33)	CU: 6#10, #10G., 1" C.
(32)	CU: 2#10USE-2
(31)	CU: 2#10, #10G., 3/4" C.
(20)	CU: 3#12, #12G., 3/4" C.
(10)	CU: #12/2WG.

NOTES

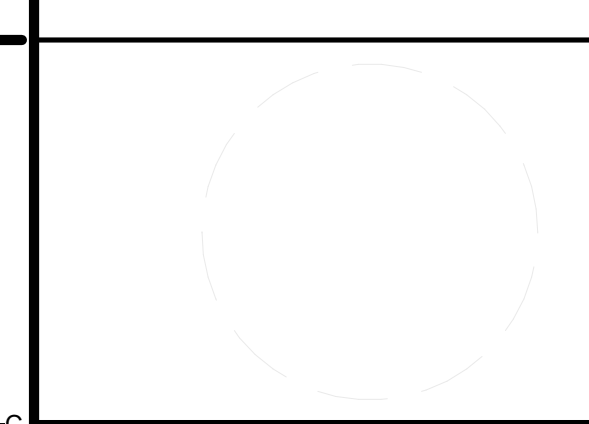
- ② SUB-PANEL PV, 120/240V, 1□, 3W.
NEMA 3R ENCLOSURE, 50A/2P MAIN BREAKER
- ④ 2.8KW INVERTER WITH GROUND FAULT
NEC 690.42 EXCEPTION
REQUIRED CONDUCTOR TO GROUND BOND MADE
BY THE GROUND FAULT PROTECTION DEVICE.
- ⑤ 60A DC NFDS, NEMA 3R ENCLOSURE
- ⑥ 200A/2P NFDS, NEMA 3R ENCLOSURE
- ⑦ NEMA 3R JUNCTION BOX ON SIDE OF HOUSE

CIRCUIT DESCRIPTION	RATING	CIRCUIT NUMBER		RATING	CIRCUIT DESCRIPTION
		MAIN BREAKER		150A	
HVAC FURNACE	15A	1	2	50A	COOKTOP
		3	4		
HVAC CONDESER	20A	5	6	20A	OVEN
		7	8		
DATA RACK, WISER CONTROL POWER	20A	9	10	20A	POTABLE WATER PUMP
REFRIGERATOR	20A	11	12	20A	GREY WATER PUMP
CLOTHES WASHER	20A	13	14	20A	KITCHEN RECEPTACLES N & E WALL
DISHWASHER	20A	15	16	20A	KITCHEN RECEPTACLES ISLAND, S WALL & SMOKE ALARM
MICROWAVE RECEPTACLE	20A	17	18	20A	OUTDOOR LIGHTING S WALL & WALL WASH LIGHTS
MASTER BEDROOM RECEPTACLES, LIGHTS & SMOKE ALARM	20A	19	20	20A	BATHROOM, PANTRY & LAUNDRY LIGHTS
GUEST BEDROOM RECEPTACLES, LIGHTS & SMOKE ALARM	20A	21	22	20A	SPARE
KITCHEN LIGHTING	20A	23	24	20A	SPARE
SHOWER LIGHT	20A	25	26	20A	OUTDOOR LIGHTING N WALL & DECK LIGHTING
LIVING ROOM RECEPTACLES	20A	27	28	20A	ERV RECT, MECH ROOM CONV. RECT. & LIGHT
BATHROOM RECEPTACLE	20A	29	30	30A	CLOTHES DRYER
		31	32		
WATER HEATER	30A	33	34	15A	WISER POWER METER (X2) VOLTAGE SENSING AND CONTROL POWER
OUTDOOR RECEPTACLES N & S SECTIONS	20A	35	36		
		37	38	15A	ORGANIZER VOLTAGE MONITORING
INVERTER FEED	50A	39	40		



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SHEET TITLE
**MAIN PANEL CIRCUIT
 BREAKER SCHEDULE**

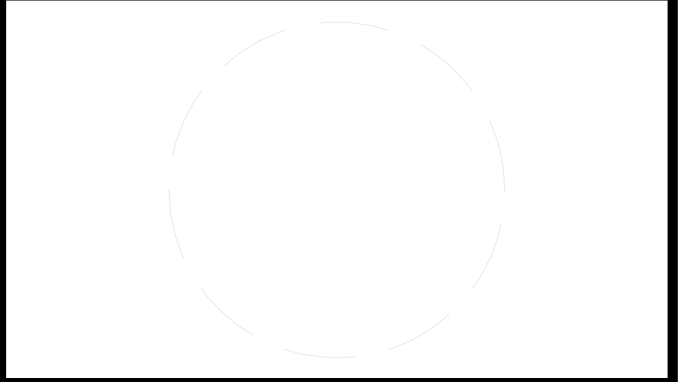
E-607

INTERIOR LIGHTS	DESCRIPTION	QTY.	MFR	PROD. LINE	PART #	BULB TYPE
TRACK LIGHTS	KITCHEN AND LIVING ROOM TRACK LIGHTS	13	JUNO	JUNO	T252L-27K-F-SL	LED
TRACK PENDANT LIGHTS	KITCHEN ISLAND HANGING PENDANTS	4	JUNO	JUNO	TQJP-L-2-78-2-SN-BLANK-WH	LED
TRACK WALL WASH LIGHTS	KITCHEN AND LIVING ROOM WALL WASH CEILING LIGHTS	4	JUNO	JUNO	T256LED-27K-SL	LED
CLOSET AND UNDERCABINET LIGHTS	CLOSET LIGHTING AND KITCHEN UNDERCABINET LIGHTS	8	JUNO	JUNO	UPLIED09-WH	LED
TRACK SECTIONS	POWERED LIGHTING TRACK SECTIONS	9	JUNO	JUNO	R8SL	N/A
TRACK CONNECTORS	INTER TRACK CONNECTORS	6	JUNO	JUNO	R23SL	N/A
TRACK POWER CONNECTIONS	TRACK END CAP POWER CONNECTORS	3	JUNO	JUNO	R38SL	N/A
OTHER FIXTURES						
BATHROOM VANITY	BATHROOM WALL VANITY LIGHT ABOVE MIRROR	1	MSL	SKYLANDS	V358NK03	LED
BATHROOM FLUSH MOUNT	LIGHT ABOVE TOILET AND SHOWER IN BATHROOM	1				LED
GUEST ROOM FLUSH MOUNT	CEILING LIGHT IN GUEST BEDROOM	1			HUI8011L-2/BN	LED
MASTER BEDROOM CEILING FAN	CEILING FAN	1		STRATFORD	52015	LED
EXTERIOR LIGHTS						
JUNO FIXTURES						
OUTDOOR WALL MOUNT LIGHT	FLUSH MOUNT EXTERIOR HOUSE LIGHTING	8	JUNO	ACCULITE	DT-A017-35K-UN-BL	LED
DECK STEP LIGHT	STEP LIGHTS ON DECK SPACE AND RAMPS	11	JUNO		LMSW-3K-L-WH	LED



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SHEET TITLE
 LIGHTING SCHEDULE

E-608

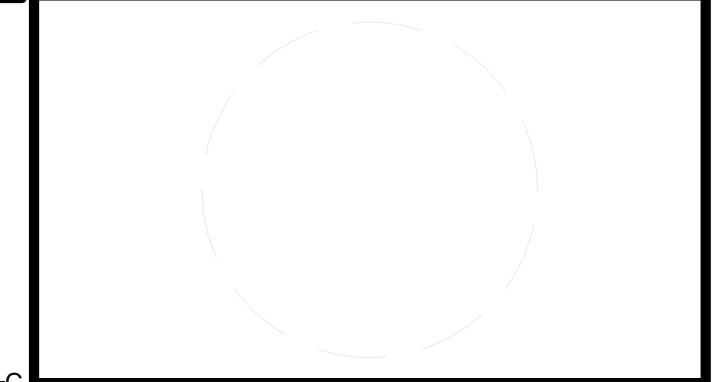
ITEM	QTY.	MFR.	MODEL	MODEL NO.	ELECTRICAL SERVICE
RACK	1	HOFFMAN	PENTAIR, 19 IN. FIXED WALL-MOUNT RACK, 12U	E19FWM12U20	N/A
PATCH PANEL	1	ALLENTEL	VERSA-TAP, 19 IN. 12 PORT PATCH PANEL - RG CONNECTORS, 1U	ATPNL-12	N/A
PATCH PANEL	1	ALLENTEL	19 IN, 12 PORT CAT 5E PATCH PANEL, RJ 45 PLUGS, 1 U	AT55B-12PT	N/A
SHELF	2	ORTRONICS	19 IN. EQUIPMENT SHELF	OR-60400405	N/A
ETHERNET SWITCH	1	ADRAN	NETVANTA 1224ST, 24 PORT ETHERNET SWITCH	1200504L1	120 VAC, 15 AMP
CELLULAR ROUTER	1	CRADLE POINT	WIRELESS 3G/4G ROUTER	MBR 95	120 VAC, 15 AMP
CELLULAR MODEM	1	FRANKLIN WIRELESS	3G/4G CELLULAR MODEM	U600	120 VAC, 15 AMP
POWER STRIP	1	GEIST	19 IN RACK MOUNT SURGE PROTECTOR W/ 12 NEMA 5-15 R	SP064-10	120 VAC, 20 AMP

APPLIANCE	MFR.	MODEL	MODEL NO.	ELECTRICAL SERVICE	PRICE
REFRIGERATOR	GE	PROFILE - FRENCH DOOR	PYE23KSDSS	120 VAC, SINGLE PHASE, 15 A	2086.35
WALL OVEN	GE	PROFILE 30" BUILT-IN SINGLE CONVECTION WALL OVEN	PT9050SFSS	208V/240V; 2200W MAX	1740
MICROWAVE OVEN	GE	PROFILE ADVANTIUM BUILT-IN WALL OVEN	PT925SNSS	208V/240V; 2200W MAX	1334.52
COOKTOP	GE	PROFILE 36" ELECTRIC INDUCTION COOKTOP	PHP960SM	208V/240V; 2200W MAX	1999
HOOD	GE	36" DOWNDRAFT ISLAND HOOD	PV977NSS	120 VAC, SINGLE PHASE, 15 A	1599
DISHWASHER	GE	PROFILE HYBRID INTERIOR BUILT-IN DISHWASHER	GDT550HSDSS	120 VAC, SINGLE PHASE, 15 A	493
WASHER	GE	3.6 CU. FT. CAPACITY FRONTLOAD WASHER	GFWH1200DWW	120 VAC, SINGLE PHASE, 15 A	1099
DRYER	GE	7.0 CU. FT. CAPACITY FRONTLOAD ELECTRIC DRYER	GFDN120EDWW	240VAC, 5600W, 24A, 60HZ	1099
WATER HEATER	GE	GEOSPRING	GEH50DEEDSR		



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SHEET TITLE
**NETWORK EQUIPMENT
AND APPLIANCE
SCHEDULES**

E-609

ITEM	QTY.	MFR.	PART NO.	DESCRIPTION
SOLAR PANEL MOUNTING EQUIPMENT				
1	4	SCHLETTER	120002-06150	RAIL, SOLO05, L = 6150 MM (20' 5")
2	4	SCHLETTER	120002-01900	RAIL, SOLO05, L = 1900 MM (6' 4")
3	4	SCHLETTER	120002-06050	RAIL, SOLO05, L = 6050 MM (20' 2")
4	8	SCHLETTER	129060-001	SPLICE, SOLO05-PROFI05, INTERNAL, KIT
	16	SCHLETTER	NPN	SLIDEIN CONNECTOR SOLO/PROFI 05
	36	SCHLETTER	NPN	SCREW, STS 1/4" -14 TPI X 1 IN. LONG
	56	SCHLETTER	NPN	PROKLIP C
5	16	SCHLETTER	133160-268	END CLAMP, ECO6, KIT WITH KLICKIN
	17	SCHLETTER	NPN	END CLAMP W/ ECO6 LAMINATE - 6.8 MM
	17	SCHLETTER	NPN	M8 SQUARE NUT
	17	SCHLETTER	NPN	M8 X 20 HEX SCREW, INTERNAL HEAD
	18	SCHLETTER	NPN	M8 KLICKIN
6	48	SCHLETTER	133260-268	MID CLAMP, ECO6 KIT, WITH KLICKIN
	50	SCHLETTER	NPN	MID CLAMP W/ ECO6 LAMINATE - 6.8 MM
	50	SCHLETTER	NPN	M8 SQUARE NUT
	50	SCHLETTER	NPN	M8 X 20 HEX SCREW, INTERNAL HEAD
	52	SCHLETTER	NPN	M8 KLICKIN
7	48	SCHLETTER	113009-102	SINGLEFIX-V, 144MM X 36MM, 2X KIT
	98	SCHLETTER	NPN	SINGLEFIX-V, 144MM X 36MM
	198	SCHLETTER	NPN	STS 1/4" -14 TPI X 1 IN. LONG W/ WASHER
8	34	SCHLETTER	119008-004	HOOK, SAFETY, ECO6.8
SOLAR PANEL CABLES AND GROUNDING CLIPS				
9	12	TE CONNECTIVITY	1954381-1	GROUNDING CLIP ASSEMBLY, SOLID WIRE
10	3	TE CONNECTIVITY	7-1394461-5	PV CONNECTOR, POSITIVE TERMINAL
11	3	TE CONNECTIVITY	6-1394462-4	PV CONNECTOR, NEGATIVE TERMINAL
12	AS REQD.	SOUTHWIRE	USE-2	600 VDC, OUTDOOR RATED, WET OR DRY
13	AS REQD.			10 GA STRANDED GROUND WIRE, NO INSULATION
PLANTER BOX EQUIPMENT				
9	3	CONEXT	878-2801	INVERTER - 2800 WATT
10	1	SQUARE D	HU361RB	3-POLE, 3P, 600 VDC, 30 AMP DISCONNECT
11	1	SQUARE D	NQ18L1C	PANELBOARD - 100 AMP, 18 POLE, NEMA 3R
12	3	SQUARE D	QOB115	120/240 V, 15 AMP CIRCUIT BREAKERS
13	1	SQUARE D		120/240 V, 60 AMP CIRCUIT BREAKERS
14	1	DIVERSIFIED	NPN	TROUGH
EAST WALL EQUIPMENT				
15	1			WEATHERHEAD
16	2			JUNCTION BOXES



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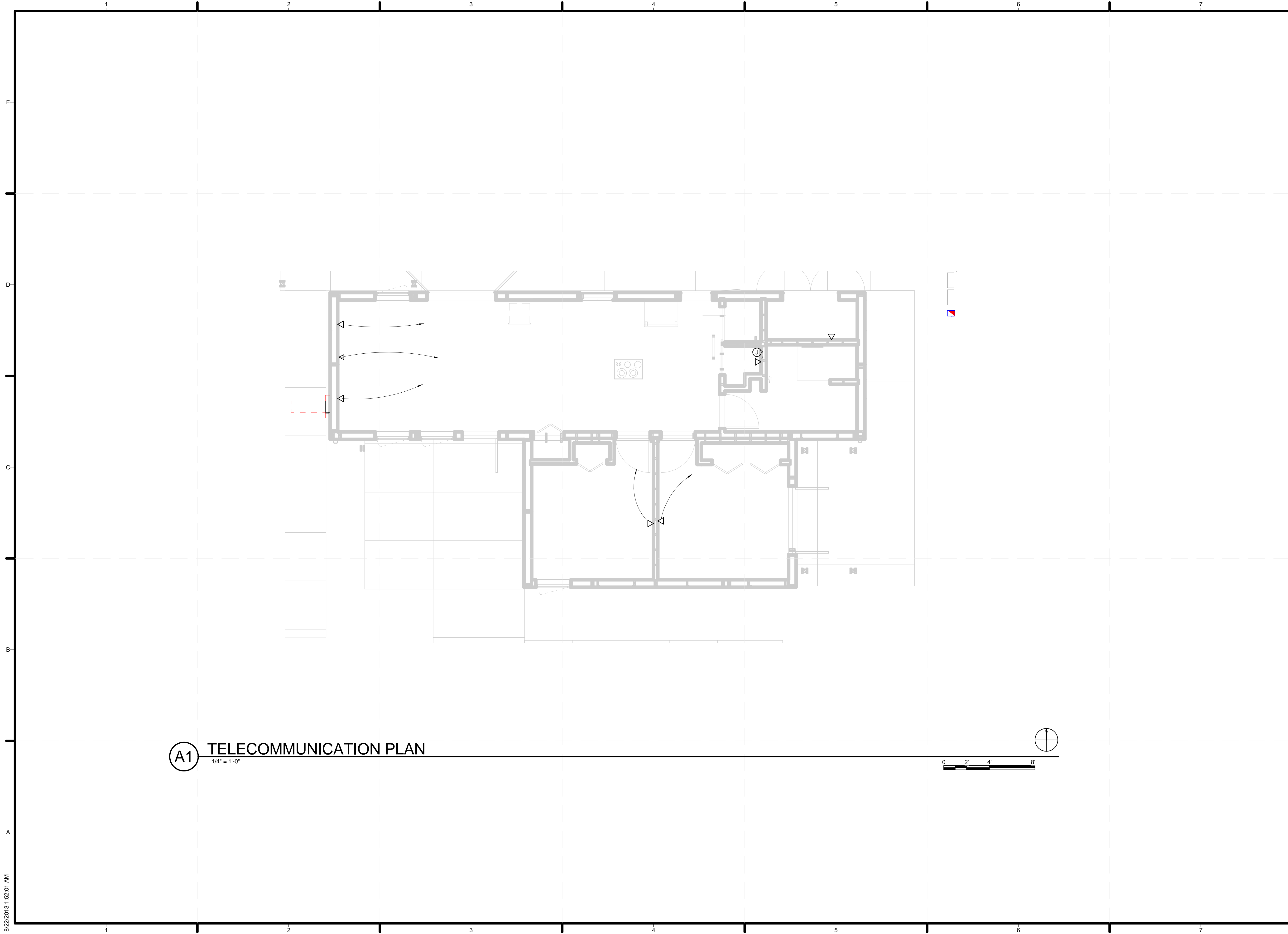


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SHEET TITLE
SOLAR POWER EQUIPMENTN SCHEDULE

E-610

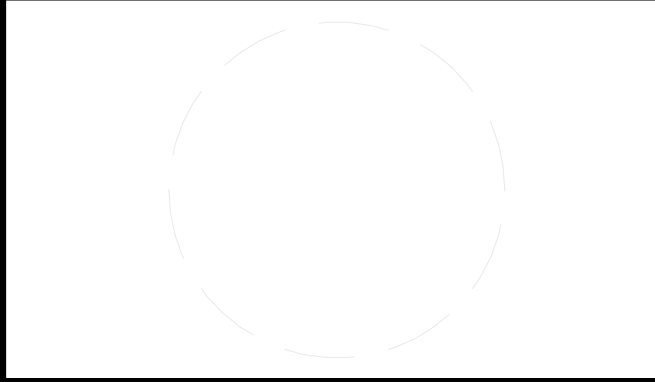


(A1) TELECOMMUNICATION PLAN
 1/4" = 1'-0"



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SHEET TITLE
TELECOMMUNICATION PLAN

T-101

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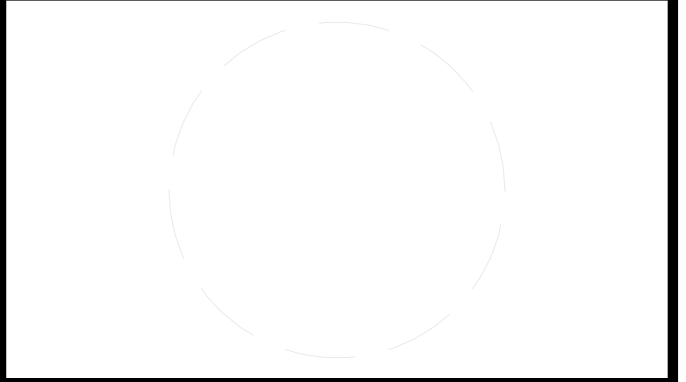
GENERAL SHEET NOTES

- PANEL QUANTITIES
1. (6) A1 PANELS
 2. (6) A2 PANELS
 3. (2) A1-1 PANELS
 4. (2) A1-2 PANELS
 5. (2) A2-1 PANELS
 6. (2) A2-2 PANELS
 7. (1) A3 AND (1) A3-1 PANEL
 8. (1) A4 AND (1) A4-1 PANEL
 9. (3) A5 PANELS
 10. (2) A6 PANELS
 11. (1) A6-1 PANEL
 12. (2) A7 PANELS
 13. (4) B1 PANELS
 14. (4) B2 PANELS
 15. (2) B1-1 AND (2) B1-2 PANELS
 16. (2) B2-1 AND (2) B2-2 PANELS
 17. (1) B3 AND (1) B3-1 PANEL
 18. (1) B4, (1) B5, (1) B6, AND (1) B7 PANEL
 19. (6) B8 PANELS
 20. (1) B8-1 PANEL



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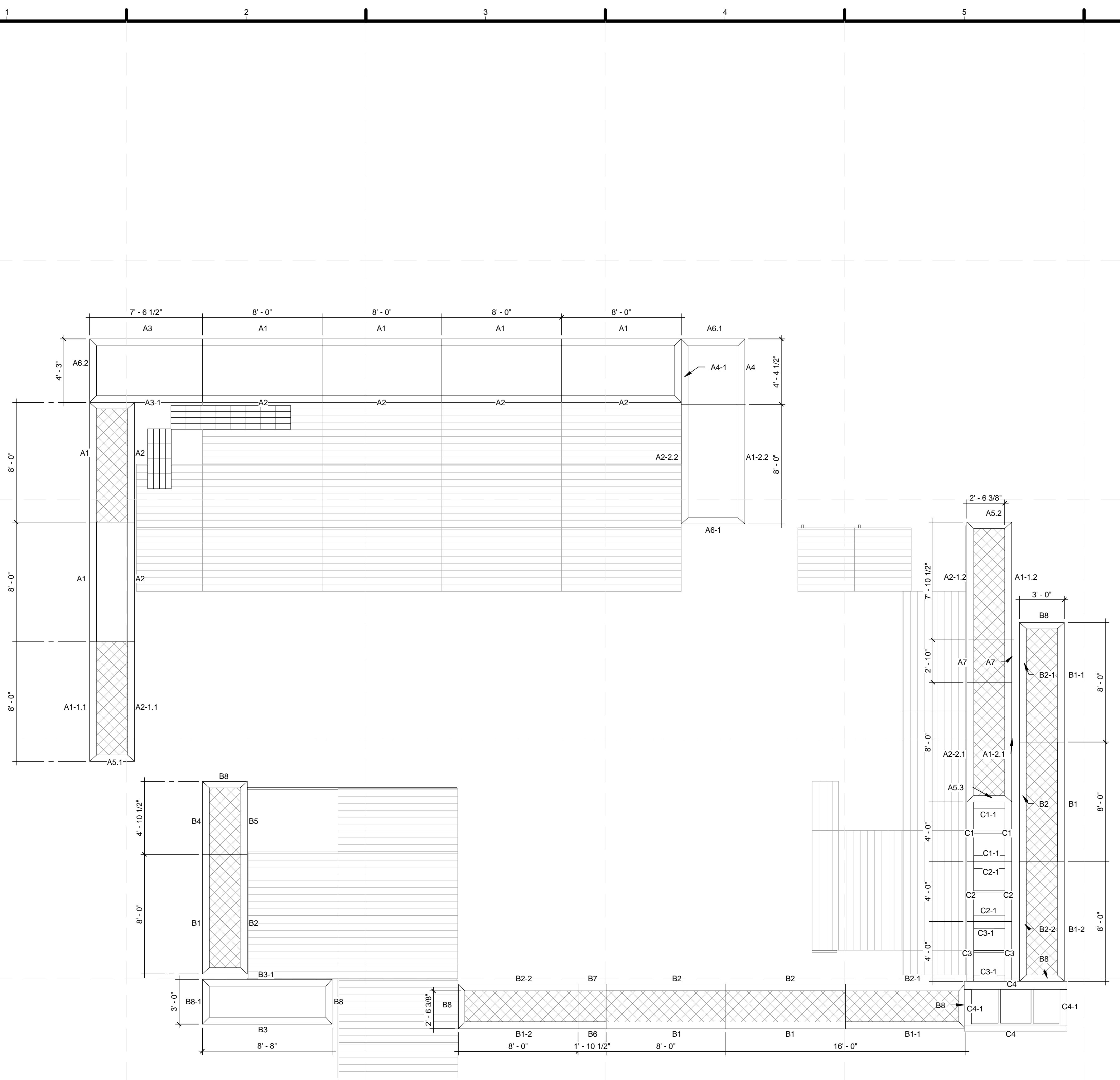
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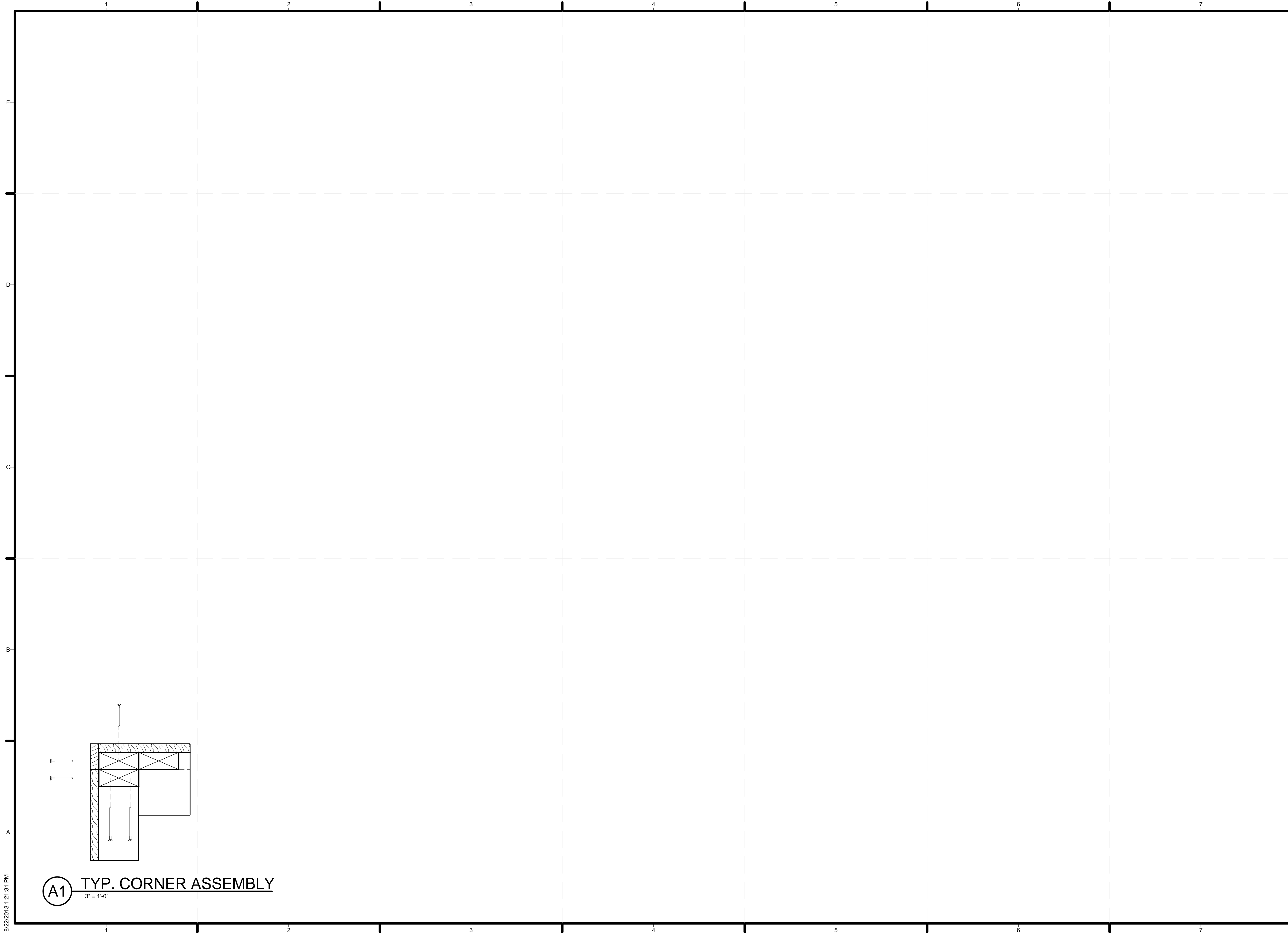
SHEET TITLE
PLANTER BOX SHOP PLAN

Z-201



(A1) SHOP PLAN FOR PLANTER BOX
 1/4" = 1'-0"

8/22/2013 1:21:30 PM



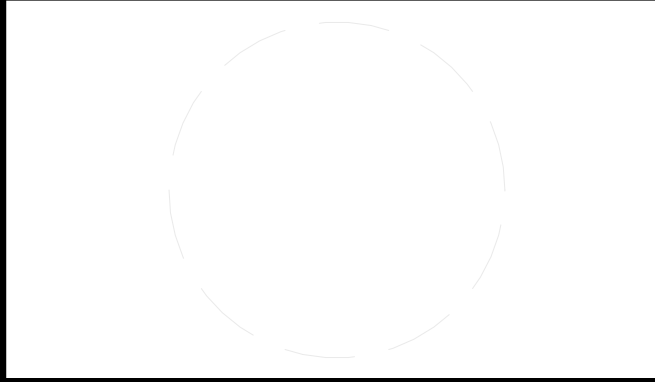
A1 TYP. CORNER ASSEMBLY
3" = 1'-0"

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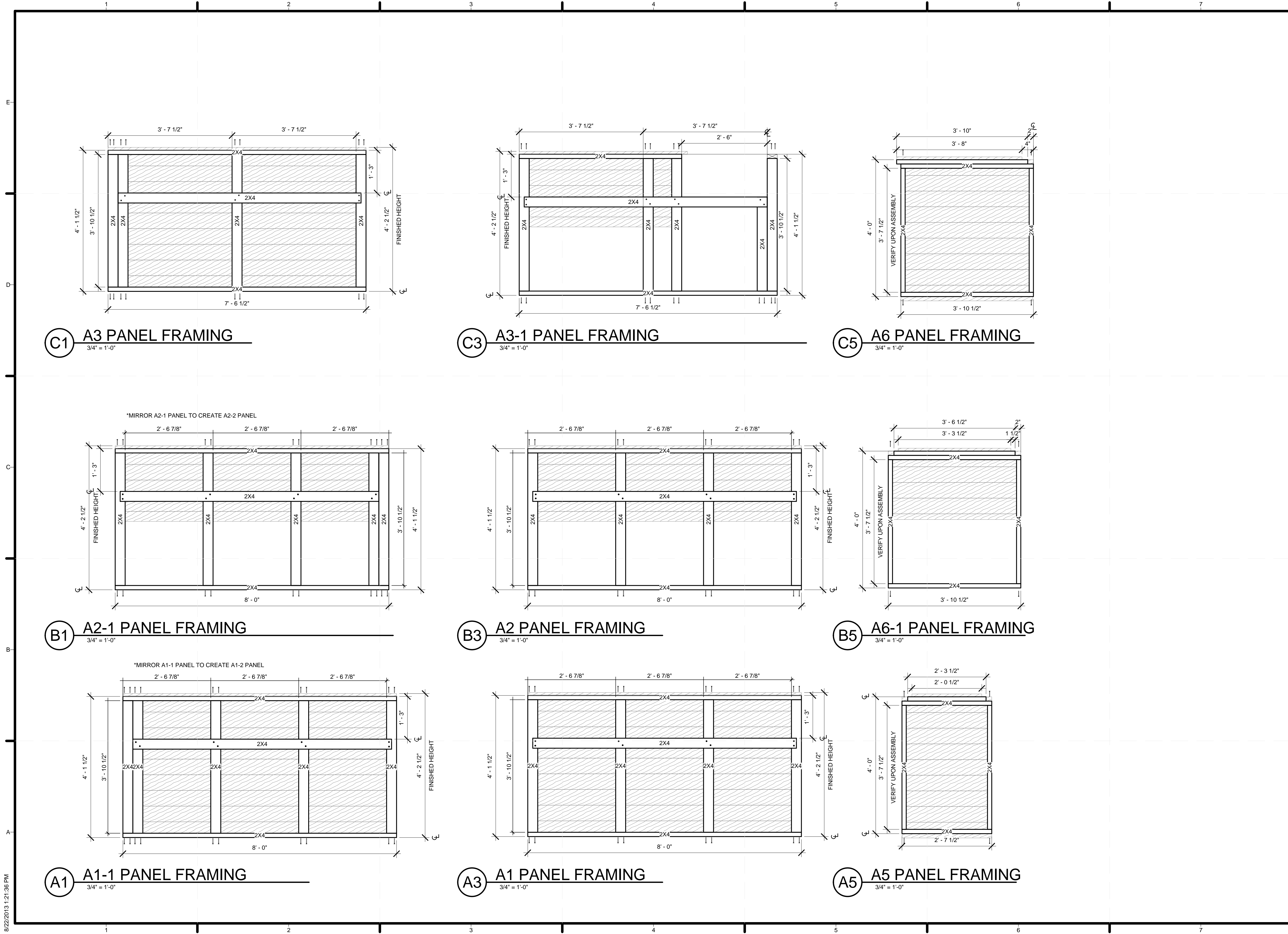
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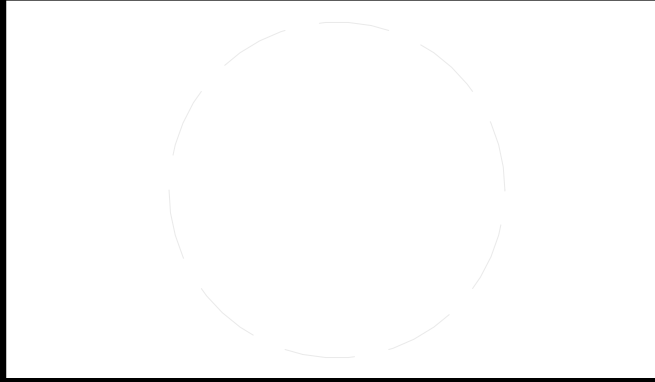
SHEET TITLE
TYPICAL CORNER ASSEMBLY FRAMING

Z-202



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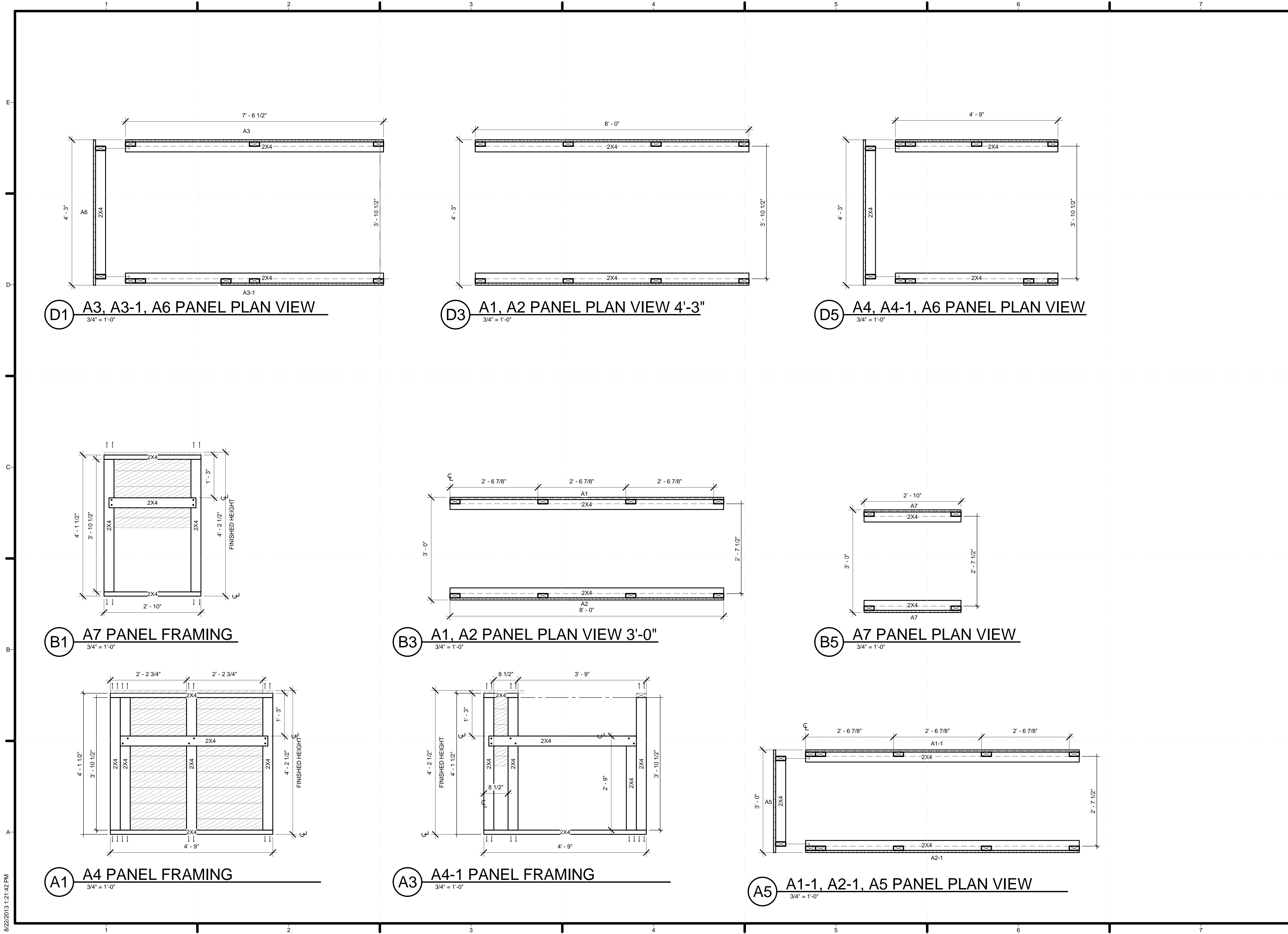
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SHEET TITLE
 "A" PLANTERS
 FRAMING SHOPS I

Z-211



D1 A3, A3-1, A6 PANEL PLAN VIEW
3/4" = 1'-0"

D3 A1, A2 PANEL PLAN VIEW 4'-3"
3/4" = 1'-0"

D5 A4, A4-1, A6 PANEL PLAN VIEW
3/4" = 1'-0"

B1 A7 PANEL FRAMING
3/4" = 1'-0"

B3 A1, A2 PANEL PLAN VIEW 3'-0"
3/4" = 1'-0"

B5 A7 PANEL PLAN VIEW
3/4" = 1'-0"

A1 A4 PANEL FRAMING
3/4" = 1'-0"

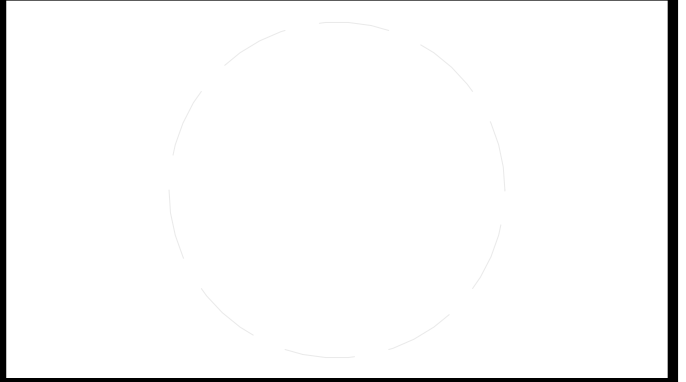
A3 A4-1 PANEL FRAMING
3/4" = 1'-0"

A5 A1-1, A2-1, A5 PANEL PLAN VIEW
3/4" = 1'-0"



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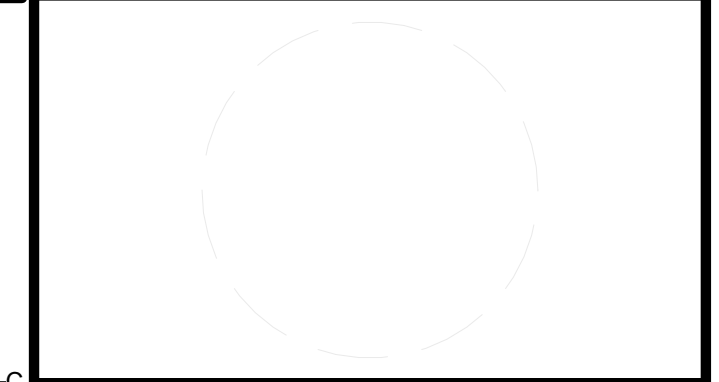
SHEET TITLE
 "A" PLANTERS
 FRAMING SHOPS II

Z-212



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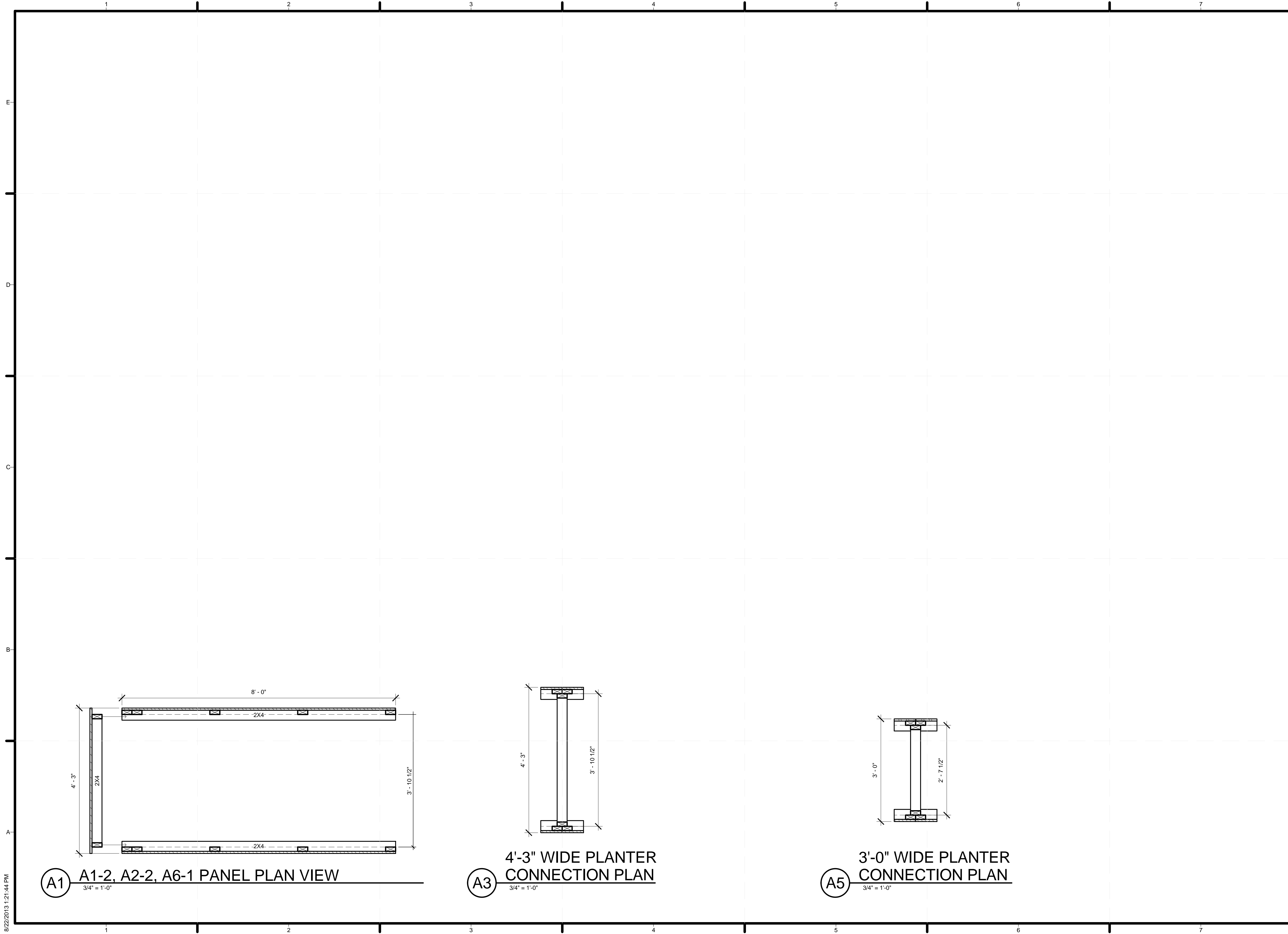
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SHEET TITLE
 "A" PLANTERS
 FRAMING SHOPS III

Z-213

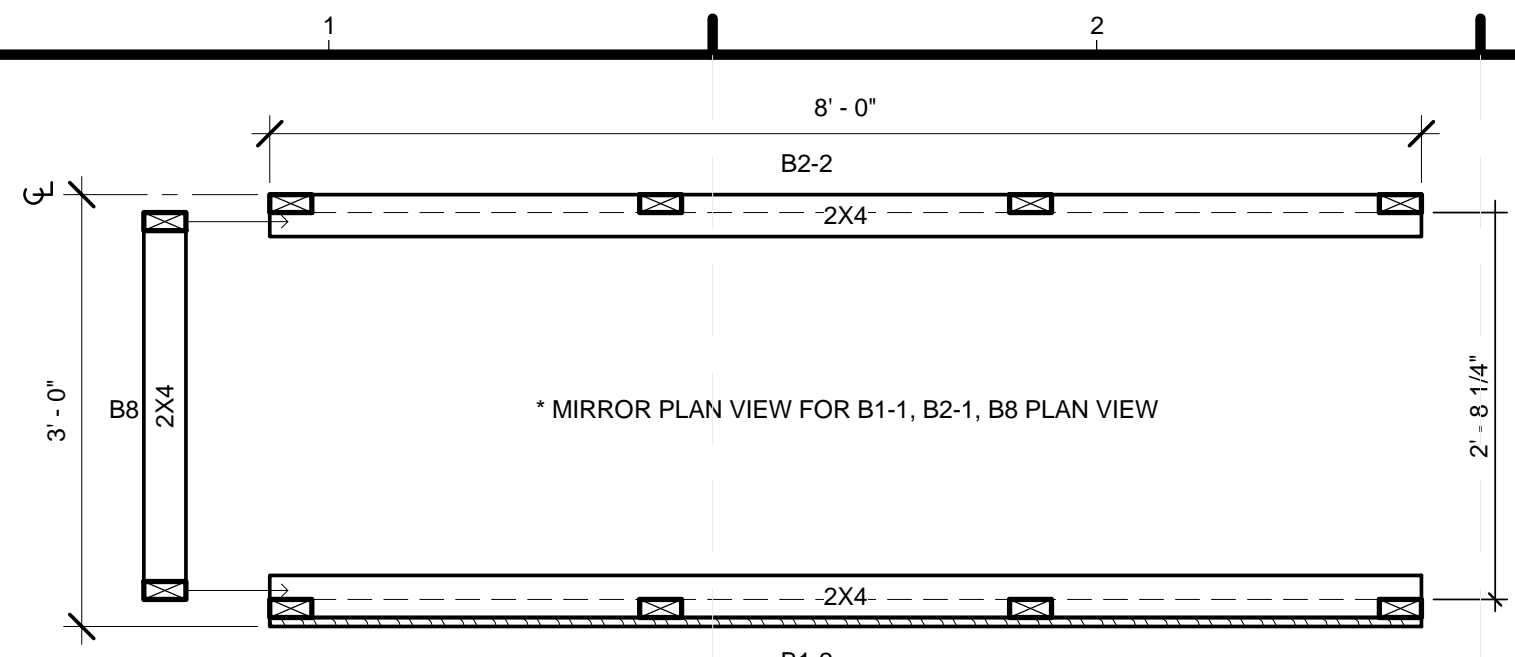


A1 A1-2, A2-2, A6-1 PANEL PLAN VIEW
 3/4" = 1'-0"

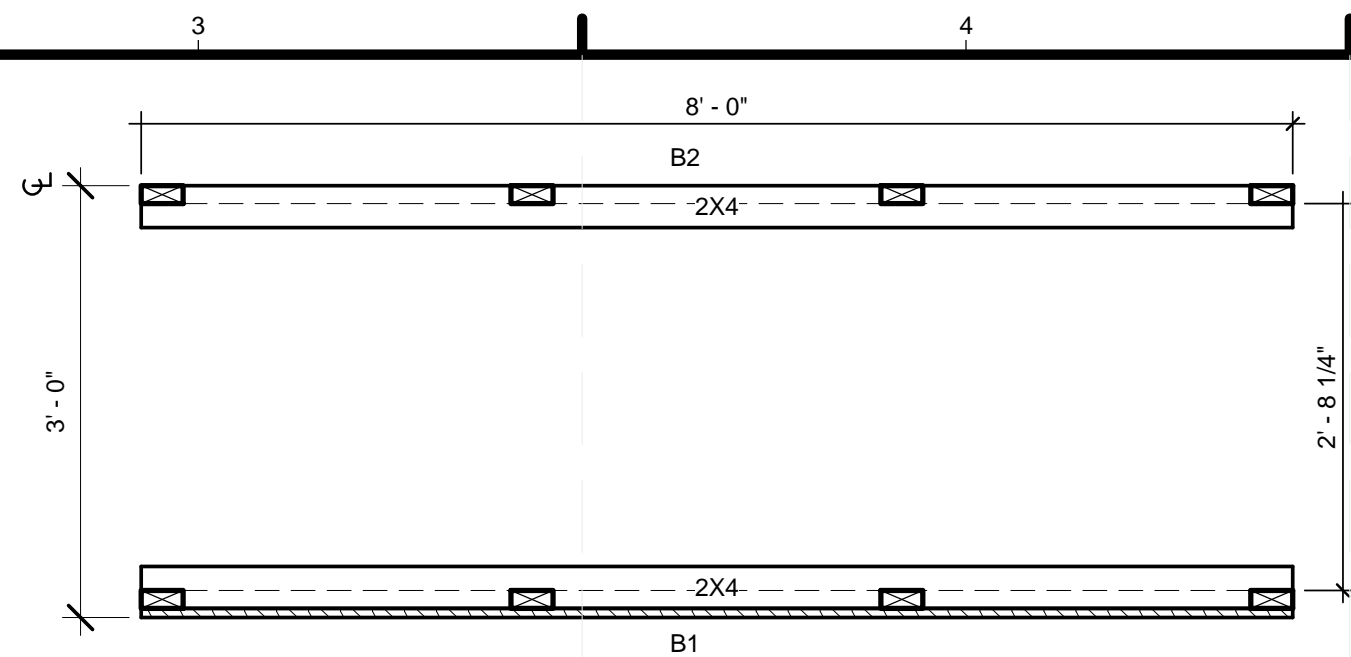
A3 4'-3" WIDE PLANTER CONNECTION PLAN
 3/4" = 1'-0"

A5 3'-0" WIDE PLANTER CONNECTION PLAN
 3/4" = 1'-0"

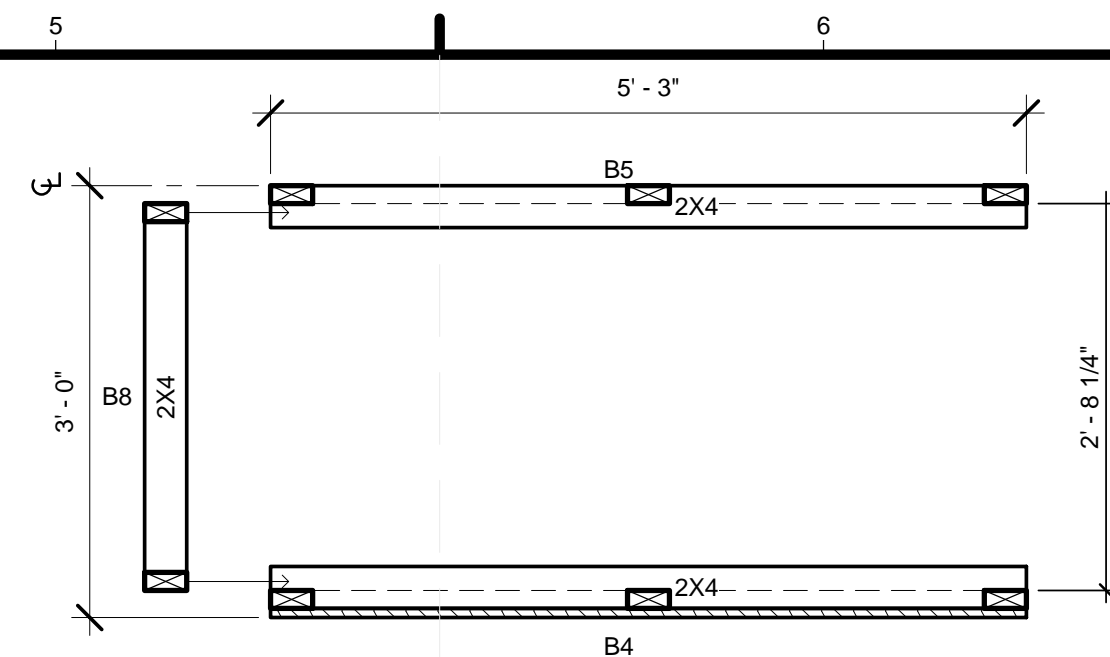
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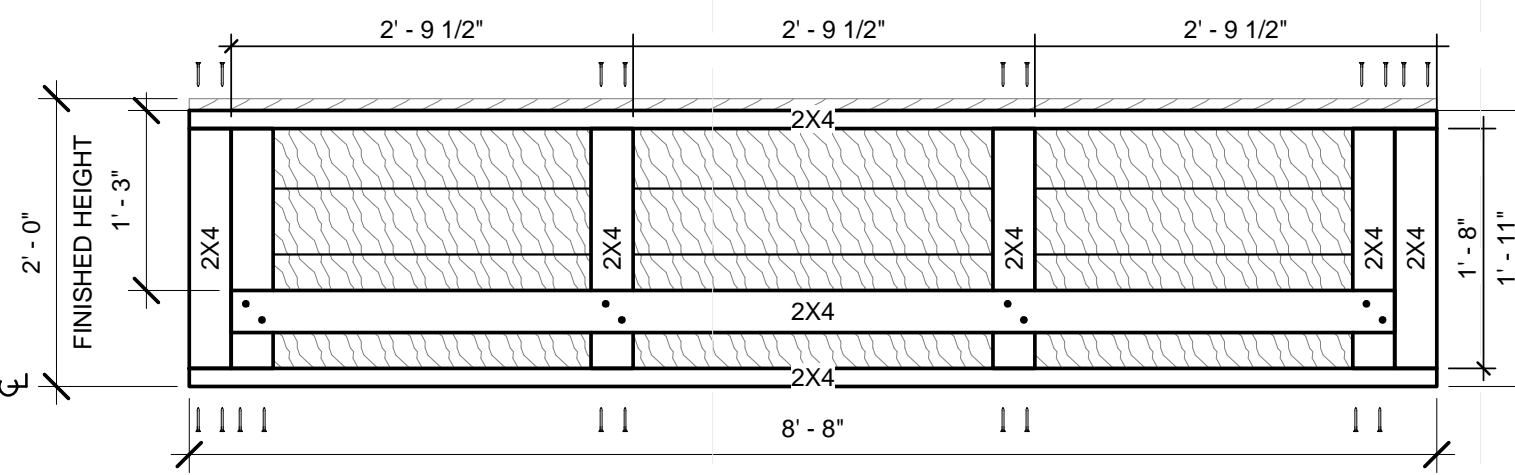
E1 B1-2, B2-2, B8 PANEL PLAN VIEW
3/4" = 1'-0"



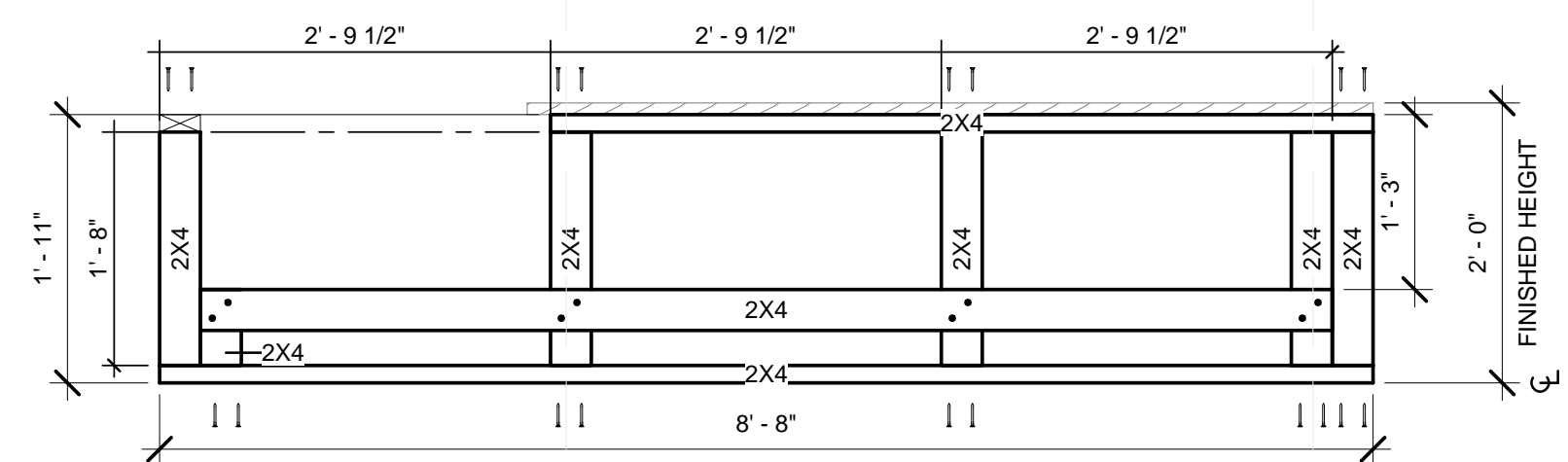
E3 B1, B2 PANEL PLAN VIEW
3/4" = 1'-0"



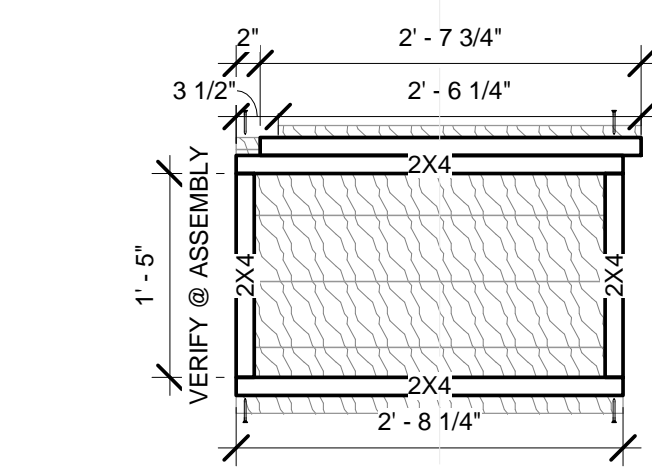
E5 B4, B5, B8 PANEL PLAN VIEW
3/4" = 1'-0"



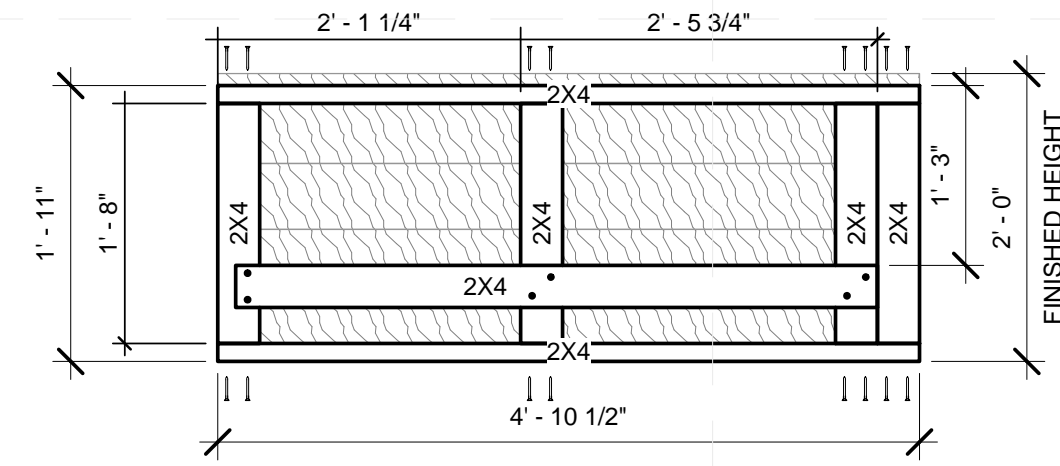
D1 B3 PANEL FRAMING
3/4" = 1'-0"



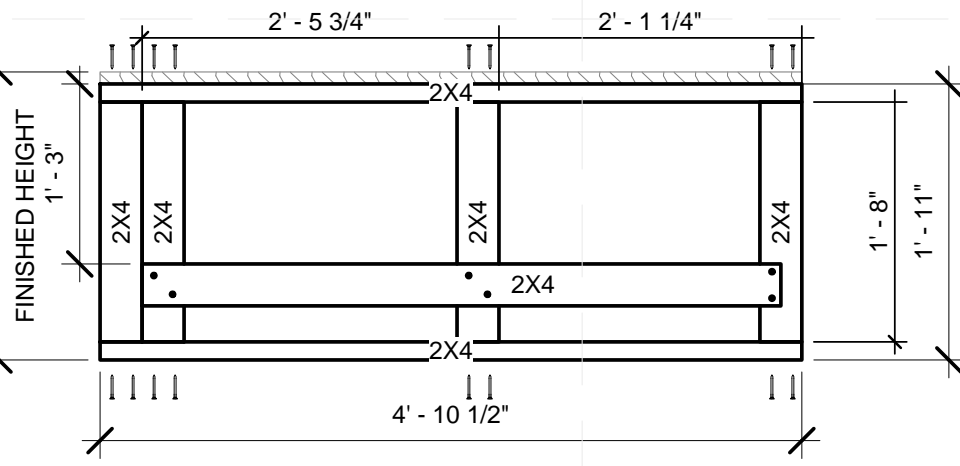
D3 B3-1 PANEL FRAMING
3/4" = 1'-0"



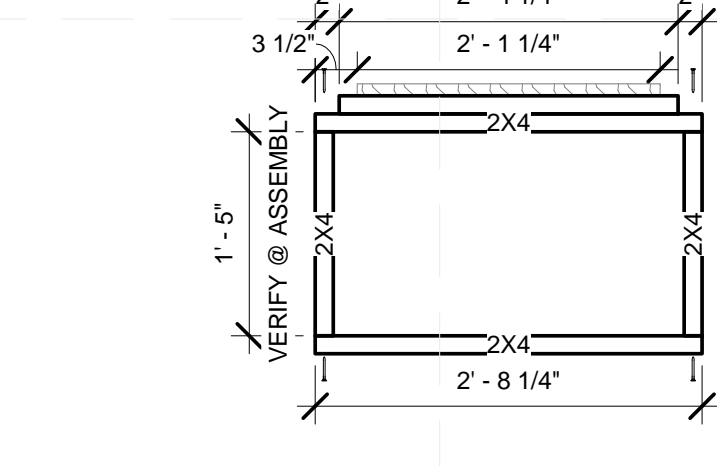
D5 B8-1 PANEL FRAMING
3/4" = 1'-0"



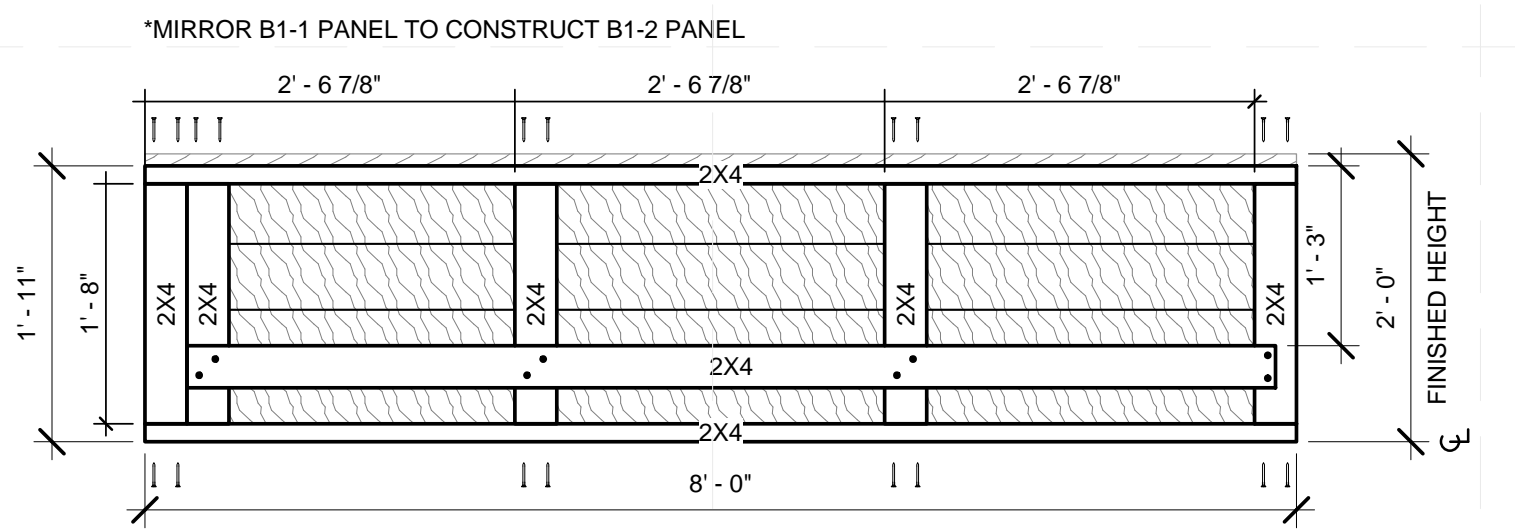
C1 B4 PANEL FRAMING
3/4" = 1'-0"



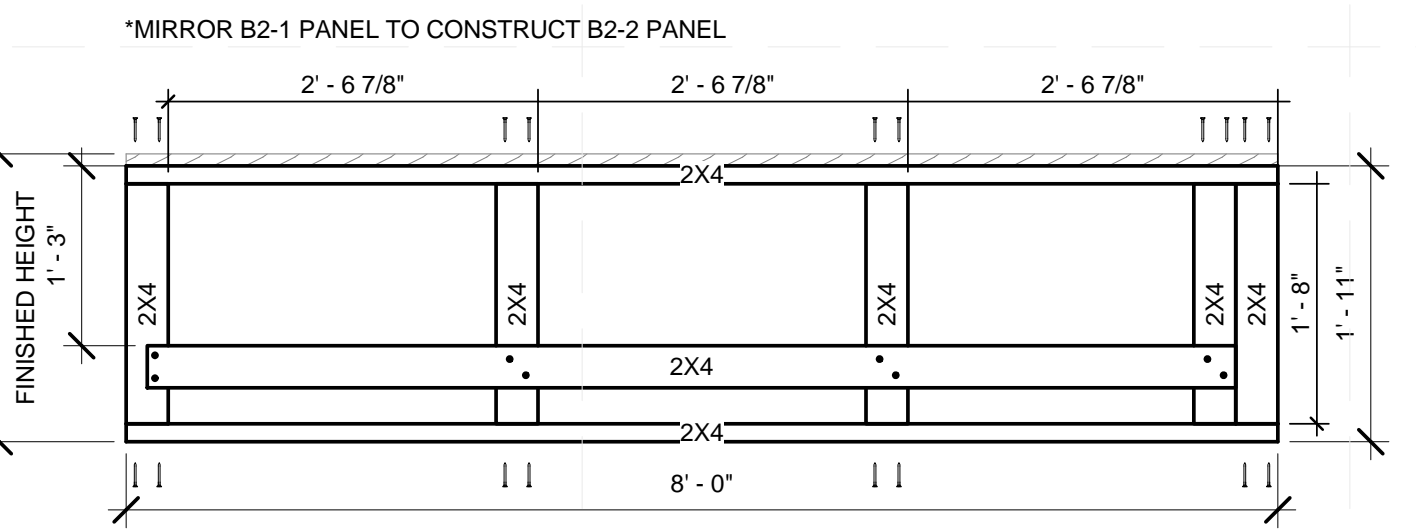
C3 B5 PANEL FRAMING
3/4" = 1'-0"



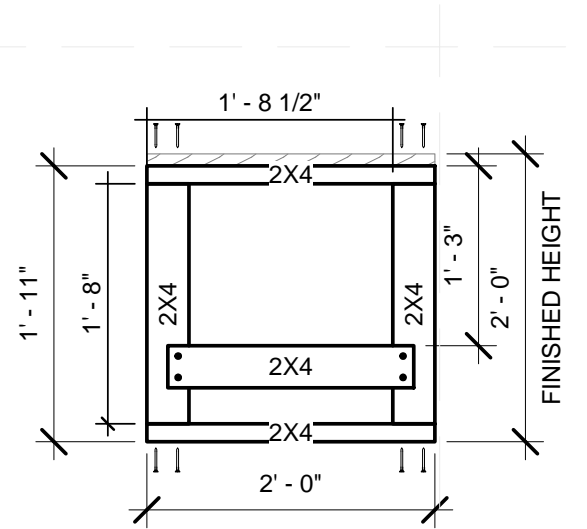
C5 B8 PANEL FRAMING
3/4" = 1'-0"



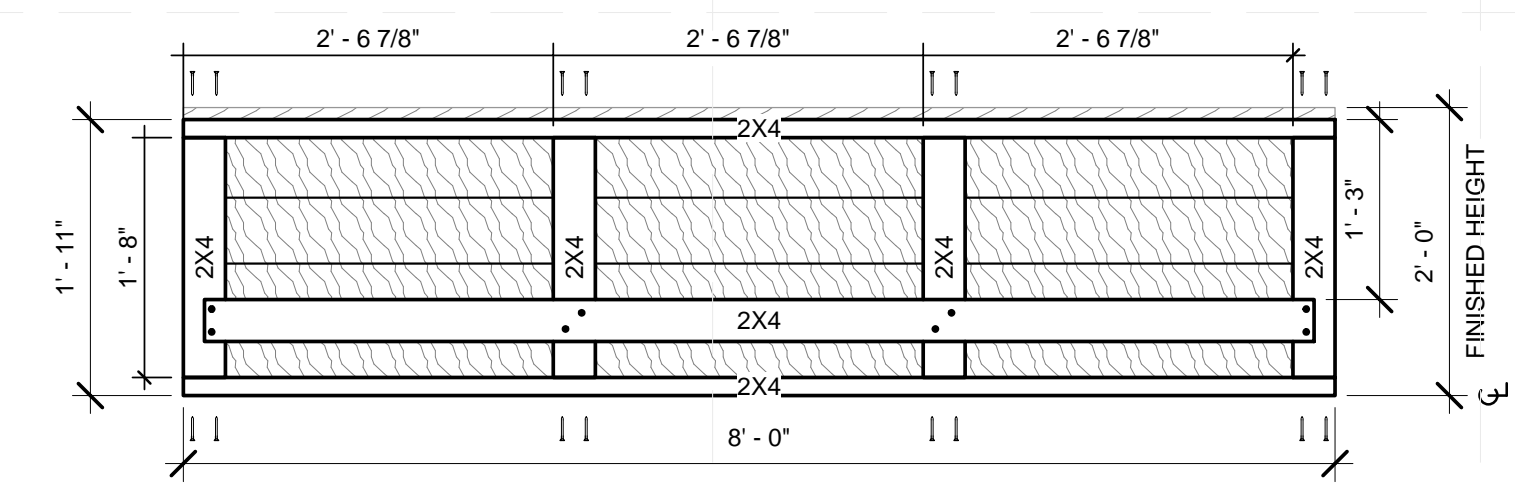
B1 B1-1 PANEL FRAMING
3/4" = 1'-0"



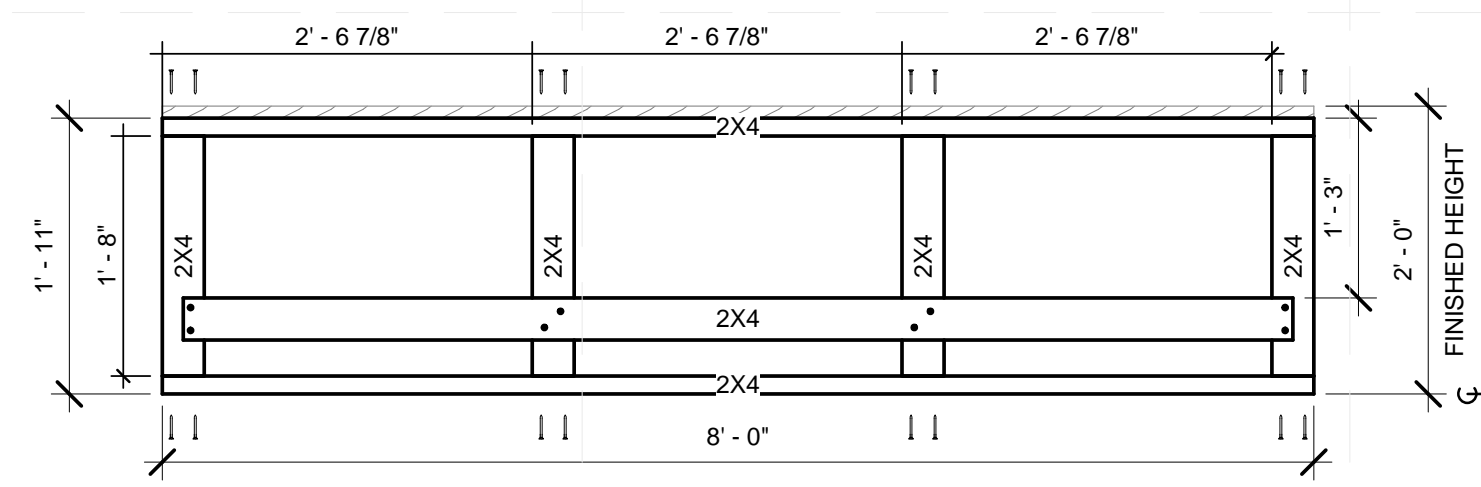
B3 B2-1 PANEL FRAMING
3/4" = 1'-0"



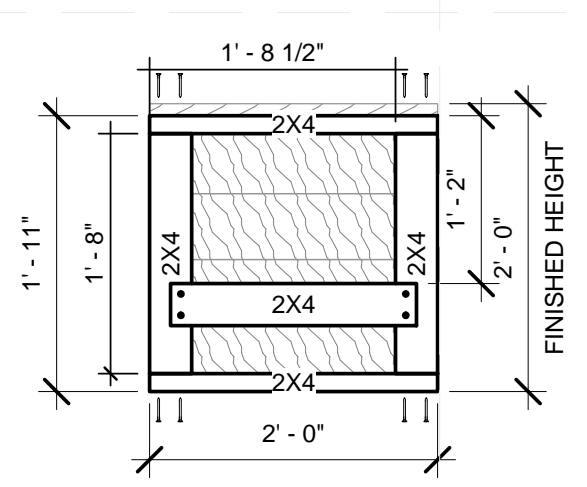
B5 B7 PANEL FRAMING
3/4" = 1'-0"



A1 B1 PANEL FRAMING
3/4" = 1'-0"



A3 B2 PANEL FRAMING
3/4" = 1'-0"

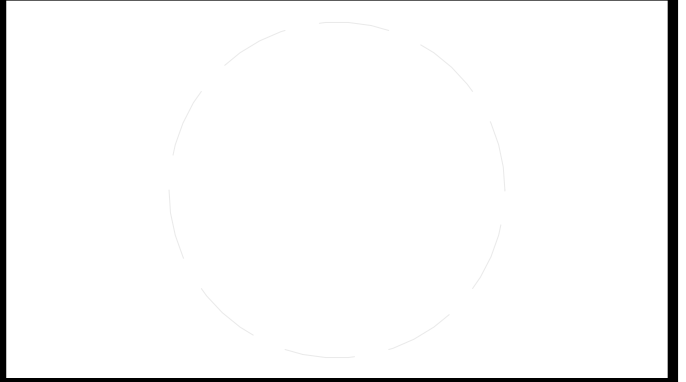


A5 B6 PANEL FRAMING
3/4" = 1'-0"



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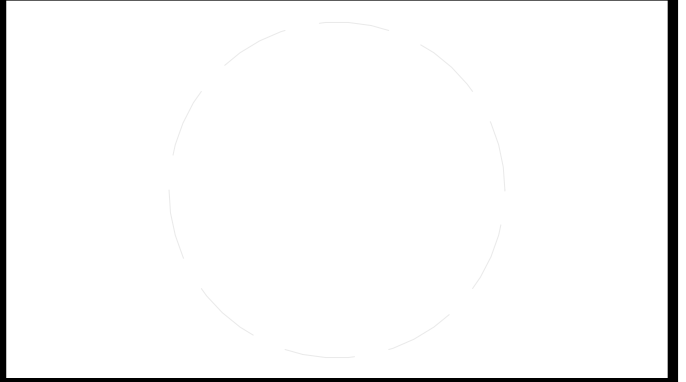
SHEET TITLE
"B" PLANTER BOX FRAMING SHOPS

Z-214



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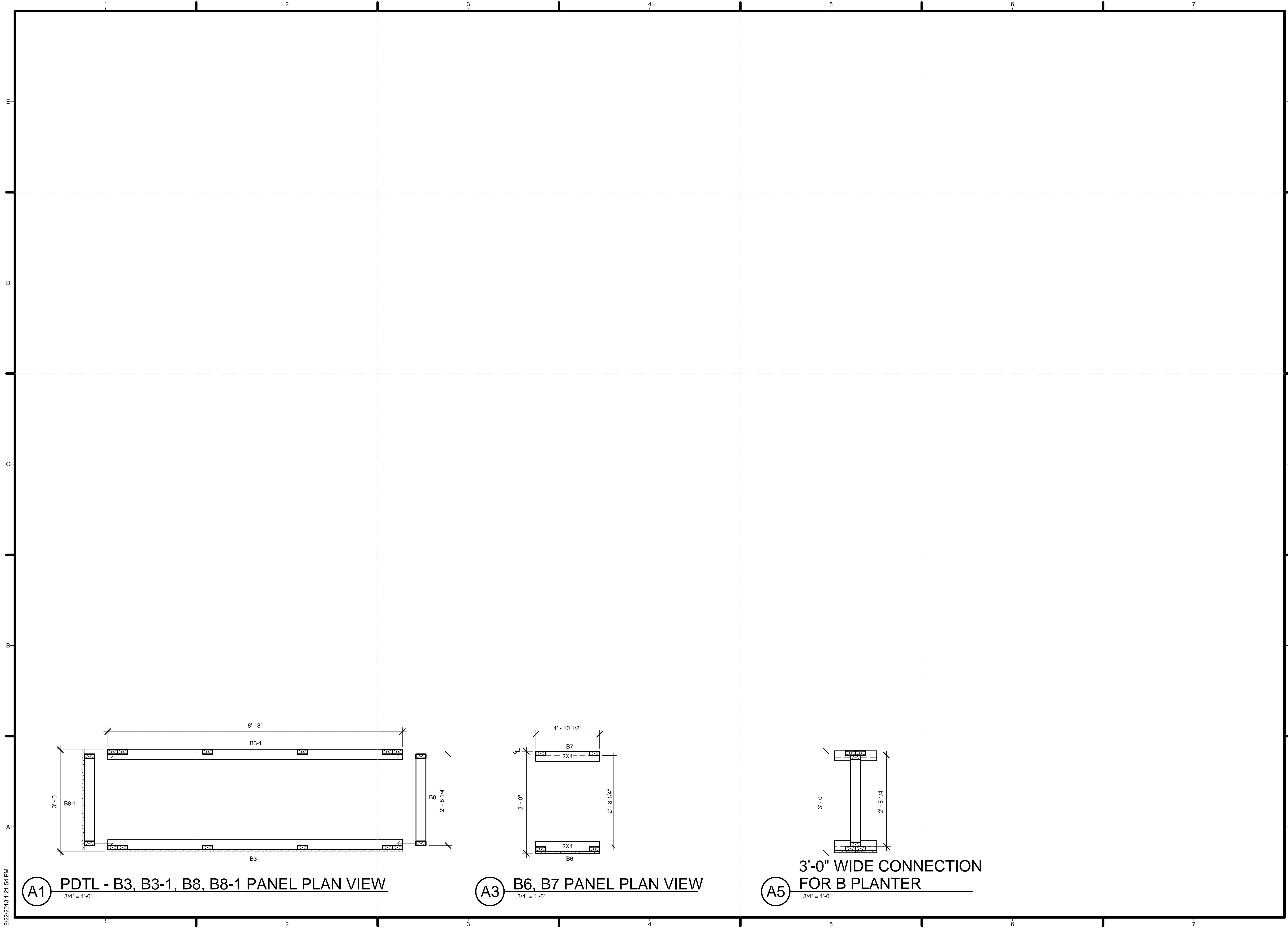
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SHEET TITLE

"B" PLANTERS
 FRAMING SHOPS II

Z-215



A1 PDTL - B3, B3-1, B8, B8-1 PANEL PLAN VIEW
 3/4" = 1'-0"

A3 B6, B7 PANEL PLAN VIEW
 3/4" = 1'-0"

A5 3'-0" WIDE CONNECTION
 FOR B PLANTER
 3/4" = 1'-0"

8/22/2013 1:21:54 PM



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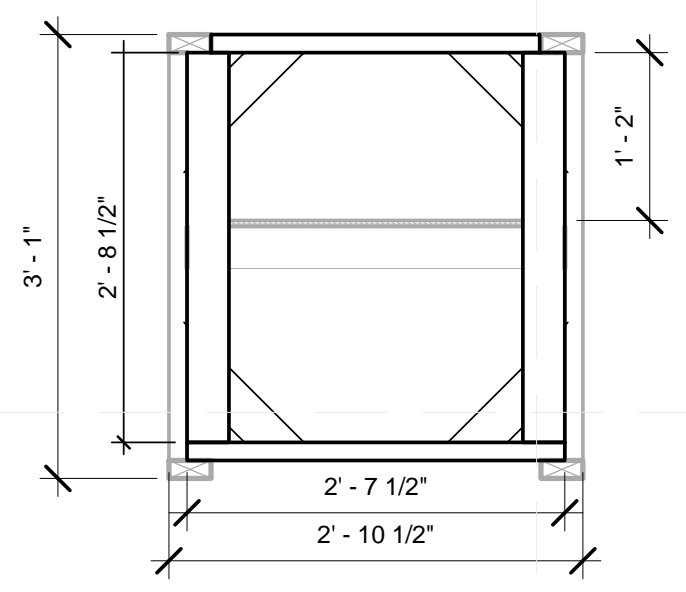
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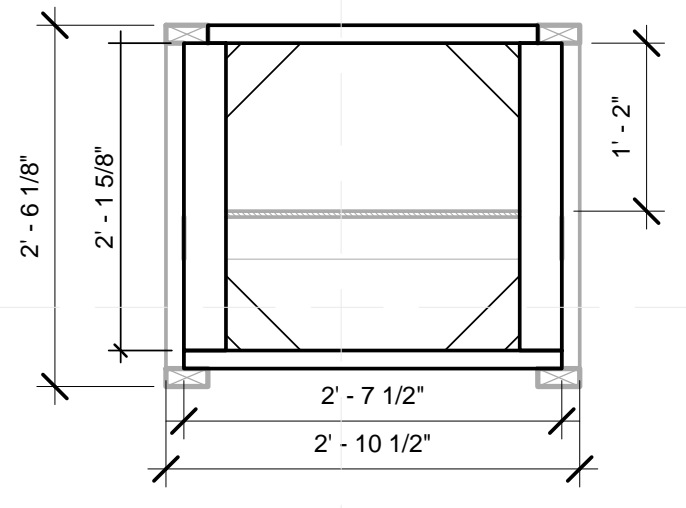
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SHEET TITLE
 "C" PLANTER BOX
 FRAMING SHOPS I

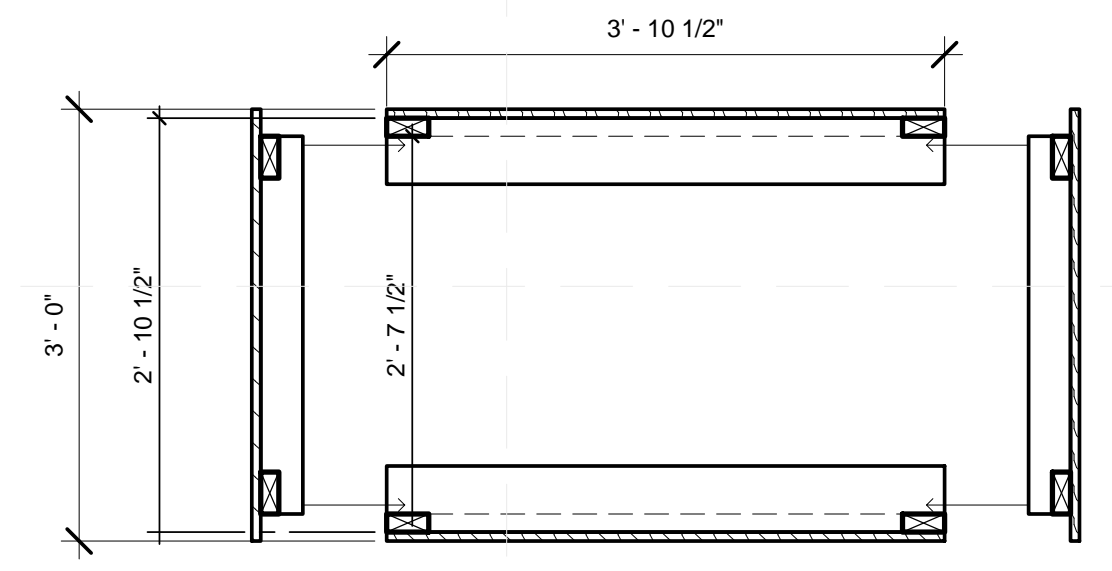
Z-218



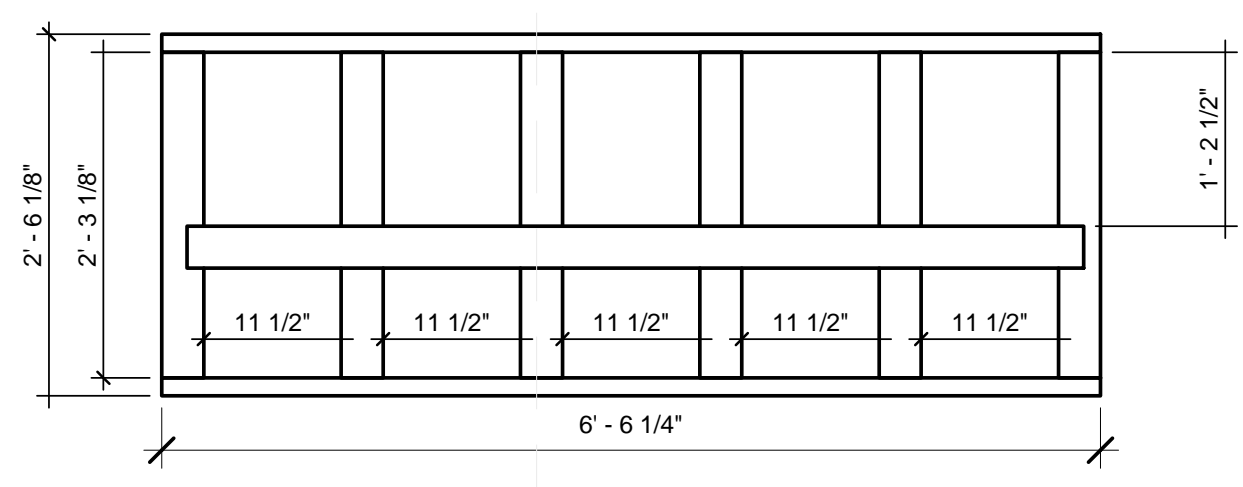
D1 C3-1 END PANEL FRAMING
 3/4" = 1'-0"



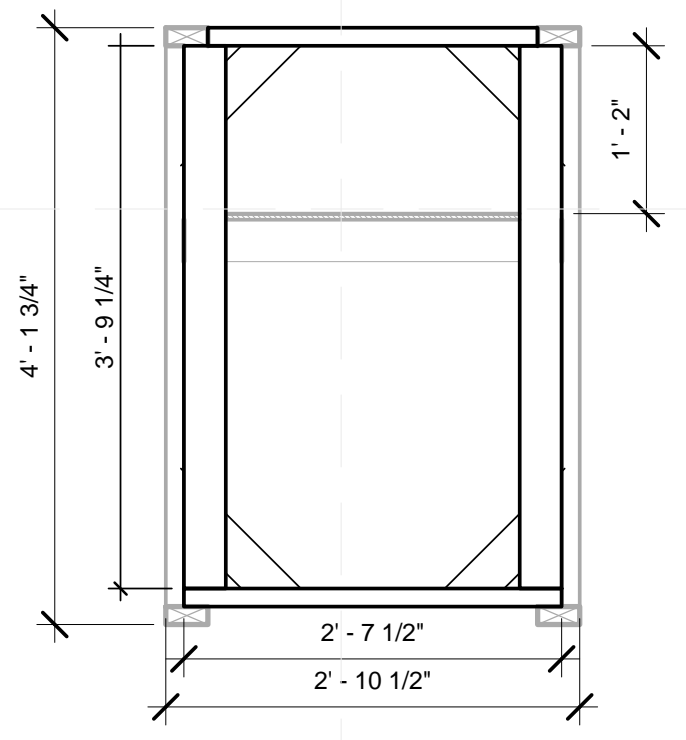
D3 C4-1 END PANEL FRAMING
 3/4" = 1'-0"



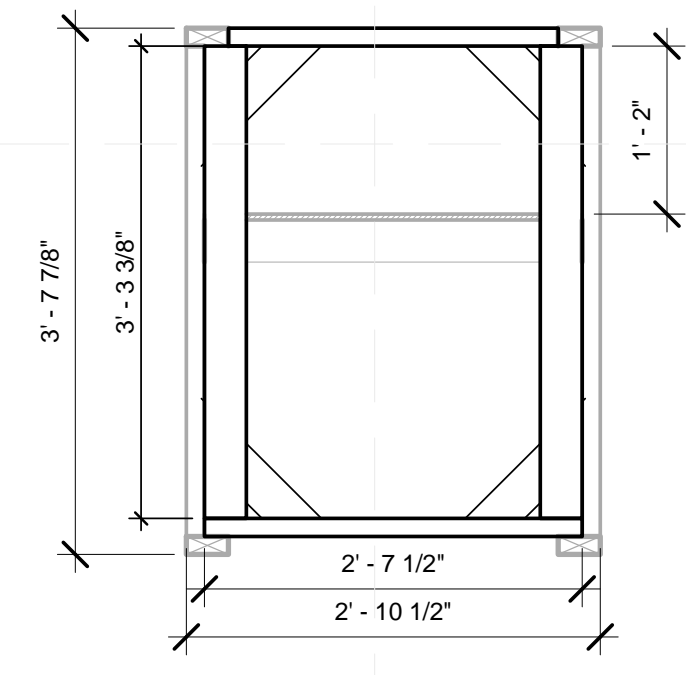
D5 PLAN VIEW OF BOX C1, C2, C3
 3/4" = 1'-0"



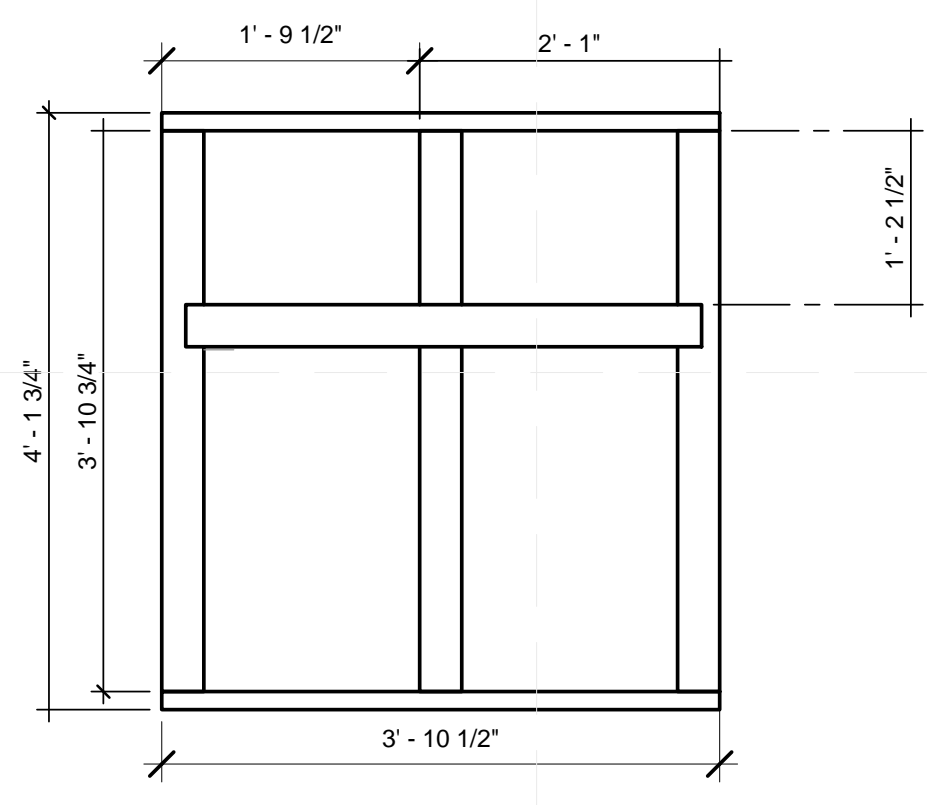
C1 C4 PANEL FRAMING
 3/4" = 1'-0"



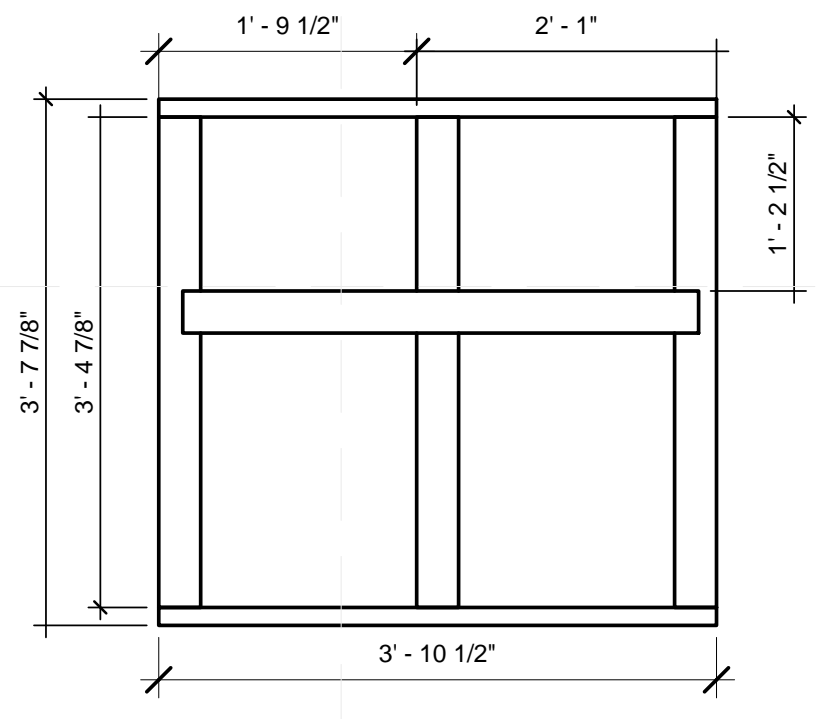
C3 C1-1 END PANEL FRAMING
 3/4" = 1'-0"



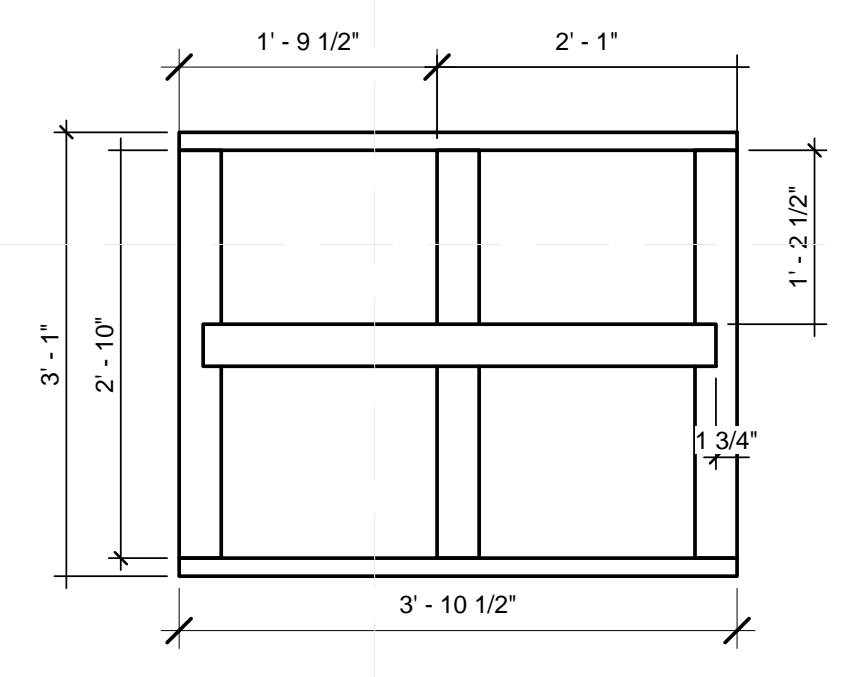
C5 C2-1 END PANEL FRAMING
 3/4" = 1'-0"



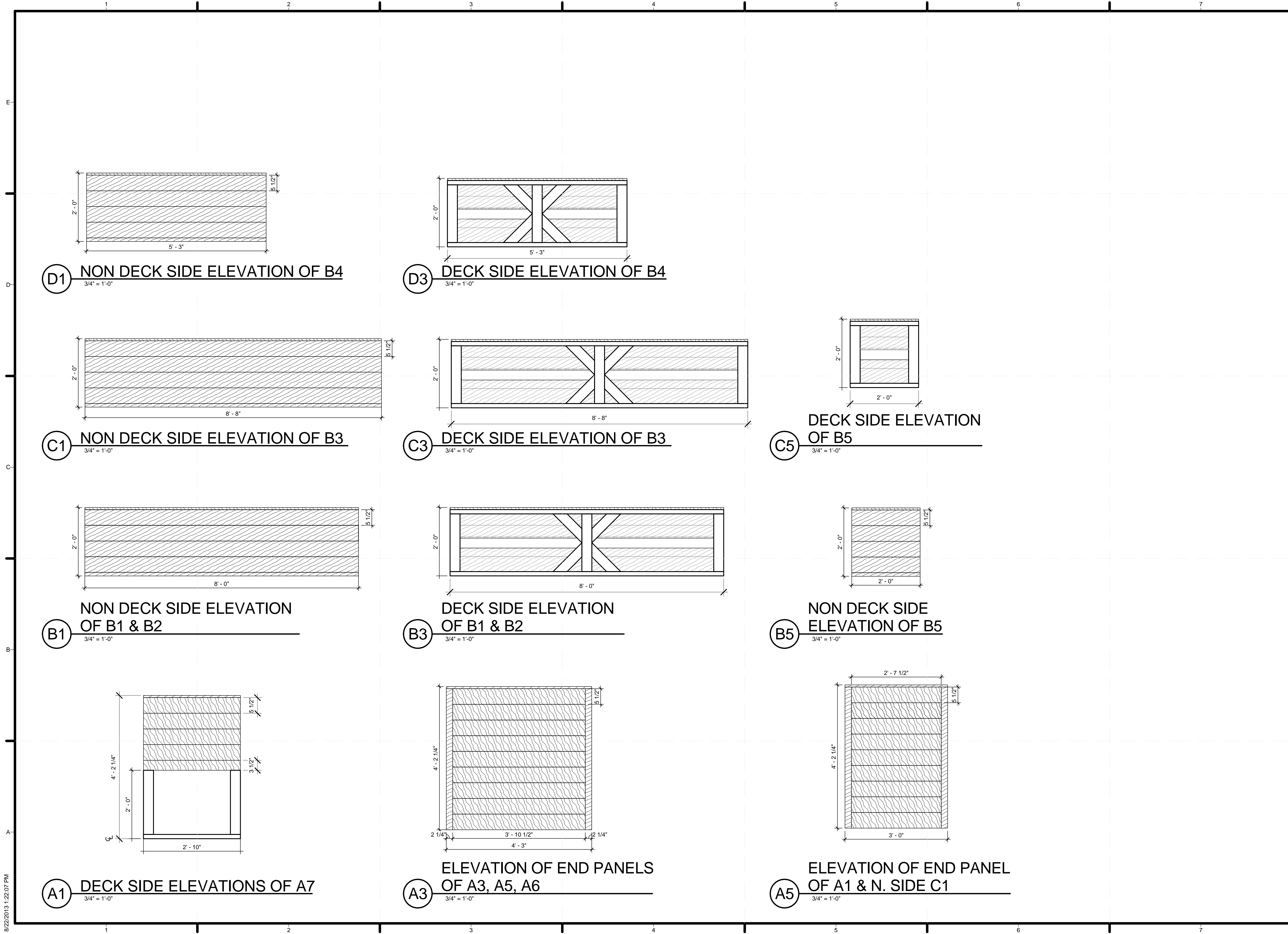
A1 C1 PANEL FRAMING
 3/4" = 1'-0"



A3 C2 PANEL FRAMING
 3/4" = 1'-0"

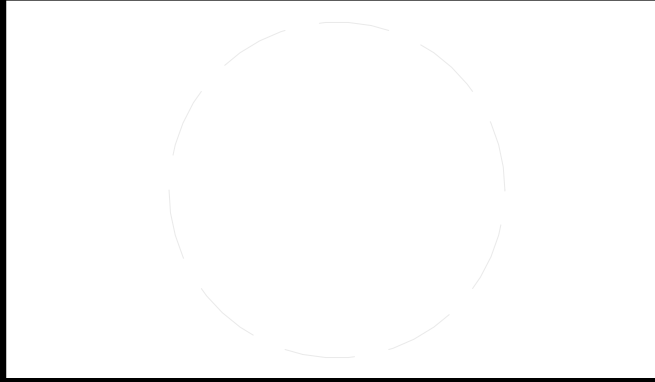


A5 C3 PANEL FRAMING
 3/4" = 1'-0"



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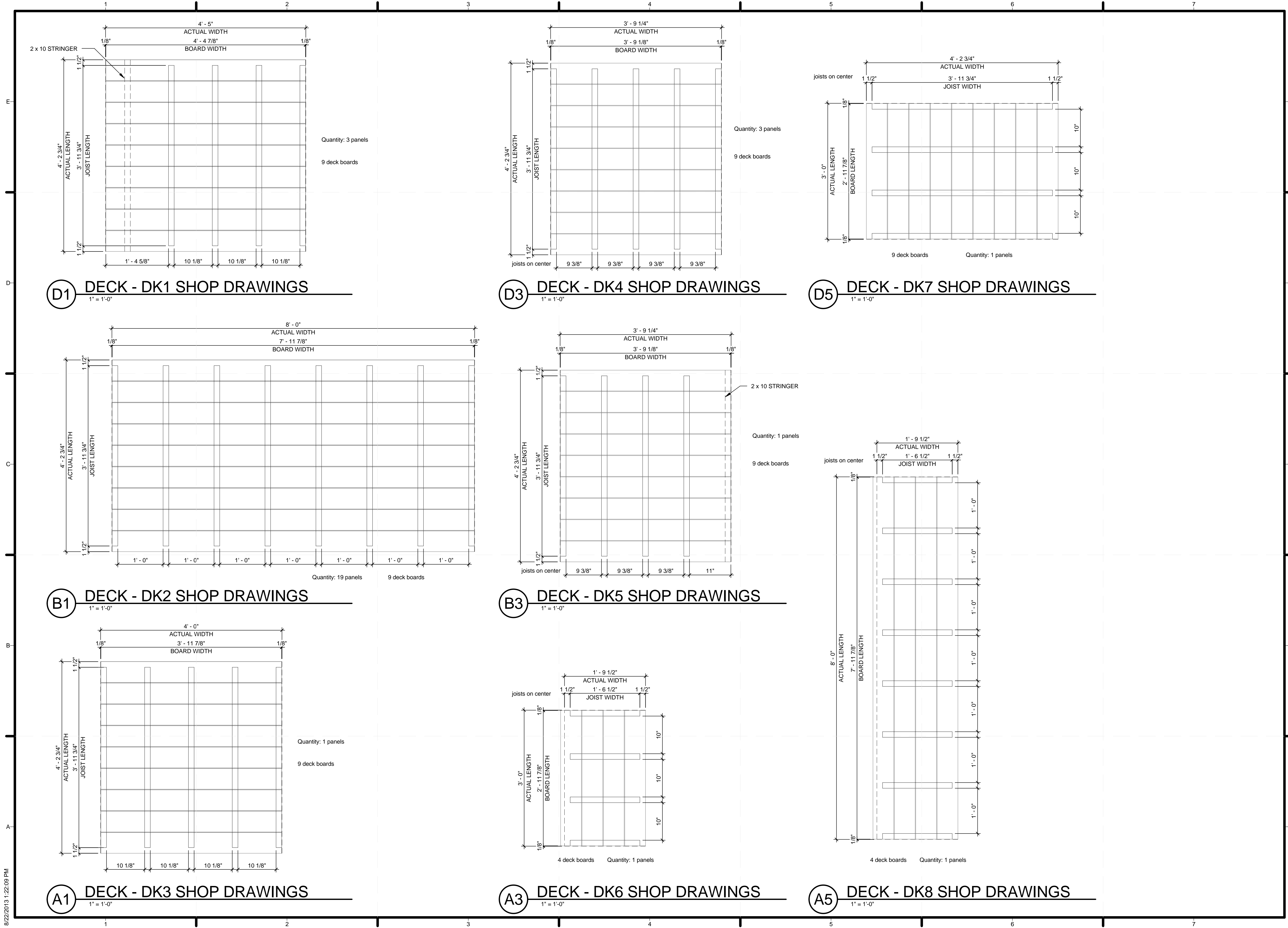
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SHEET TITLE

PLANTER BOX ELEVATIONS II

Z-222



D1 DECK - DK1 SHOP DRAWINGS
1" = 1'-0"

D3 DECK - DK4 SHOP DRAWINGS
1" = 1'-0"

D5 DECK - DK7 SHOP DRAWINGS
1" = 1'-0"

B1 DECK - DK2 SHOP DRAWINGS
1" = 1'-0"

B3 DECK - DK5 SHOP DRAWINGS
1" = 1'-0"

A1 DECK - DK3 SHOP DRAWINGS
1" = 1'-0"

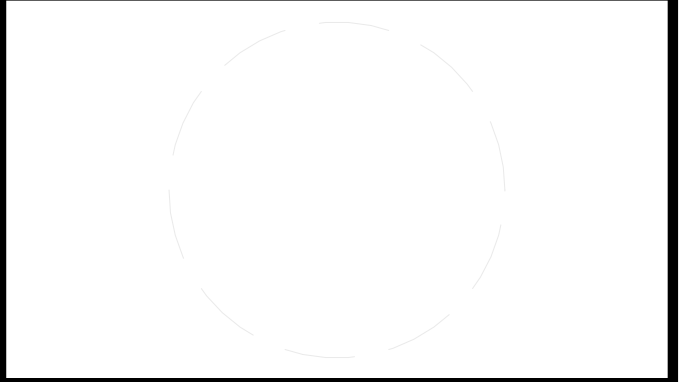
A3 DECK - DK6 SHOP DRAWINGS
1" = 1'-0"

A5 DECK - DK8 SHOP DRAWINGS
1" = 1'-0"



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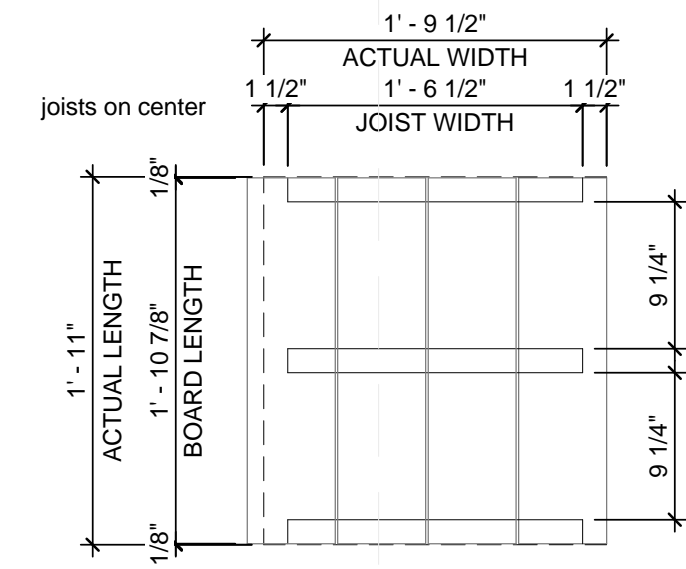
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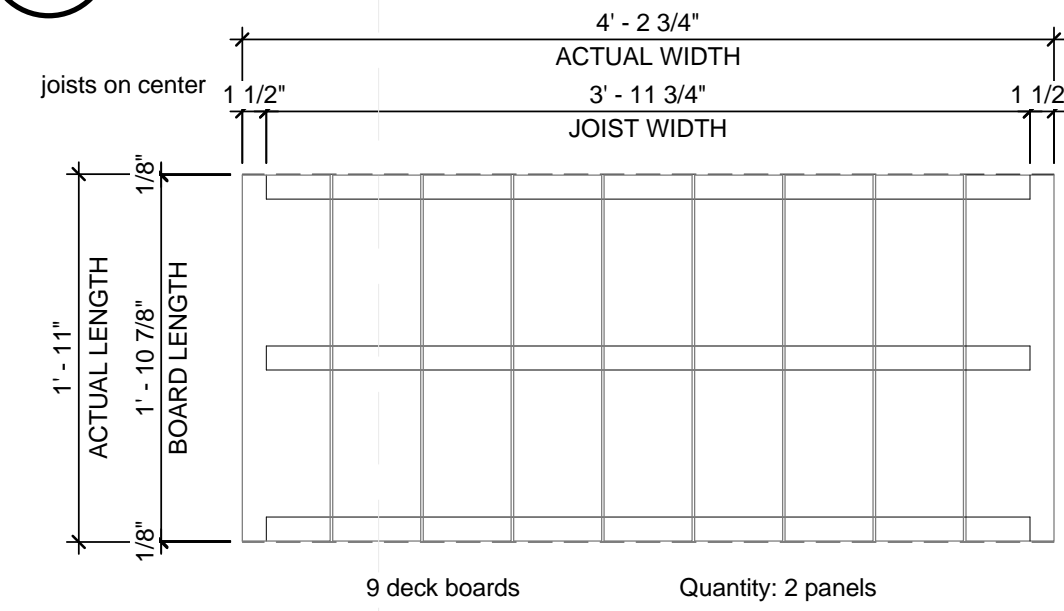
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SHEET TITLE
DECKING SHOP DRAWINGS

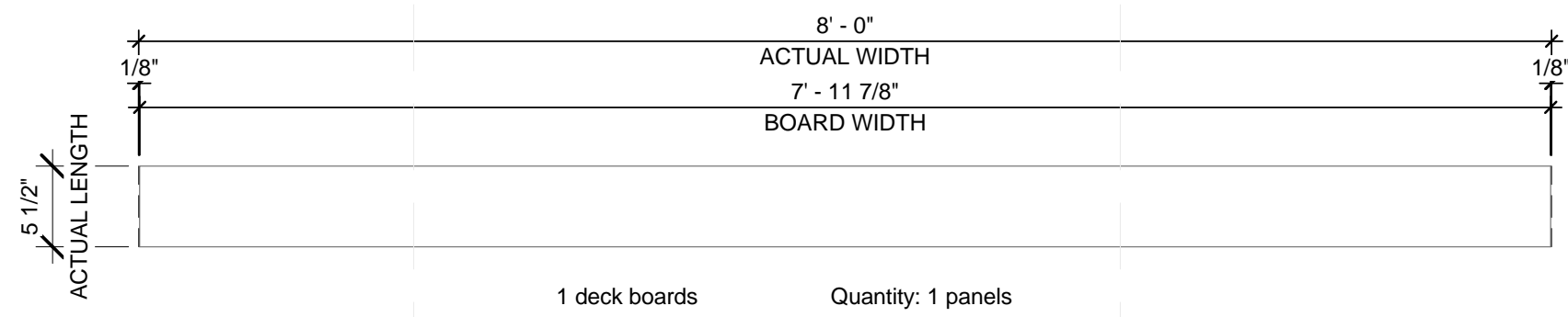
Z-401



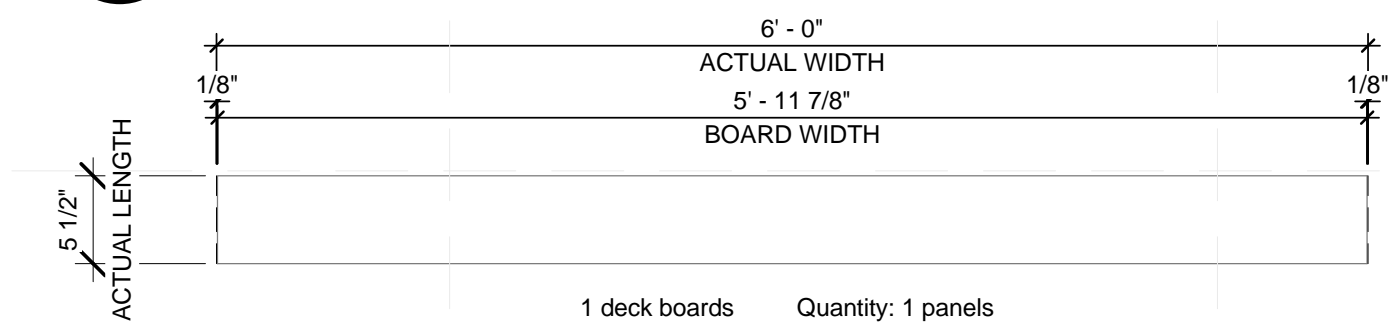
E1 DECK - DK9 SHOP DRAWINGS
1" = 1'-0"



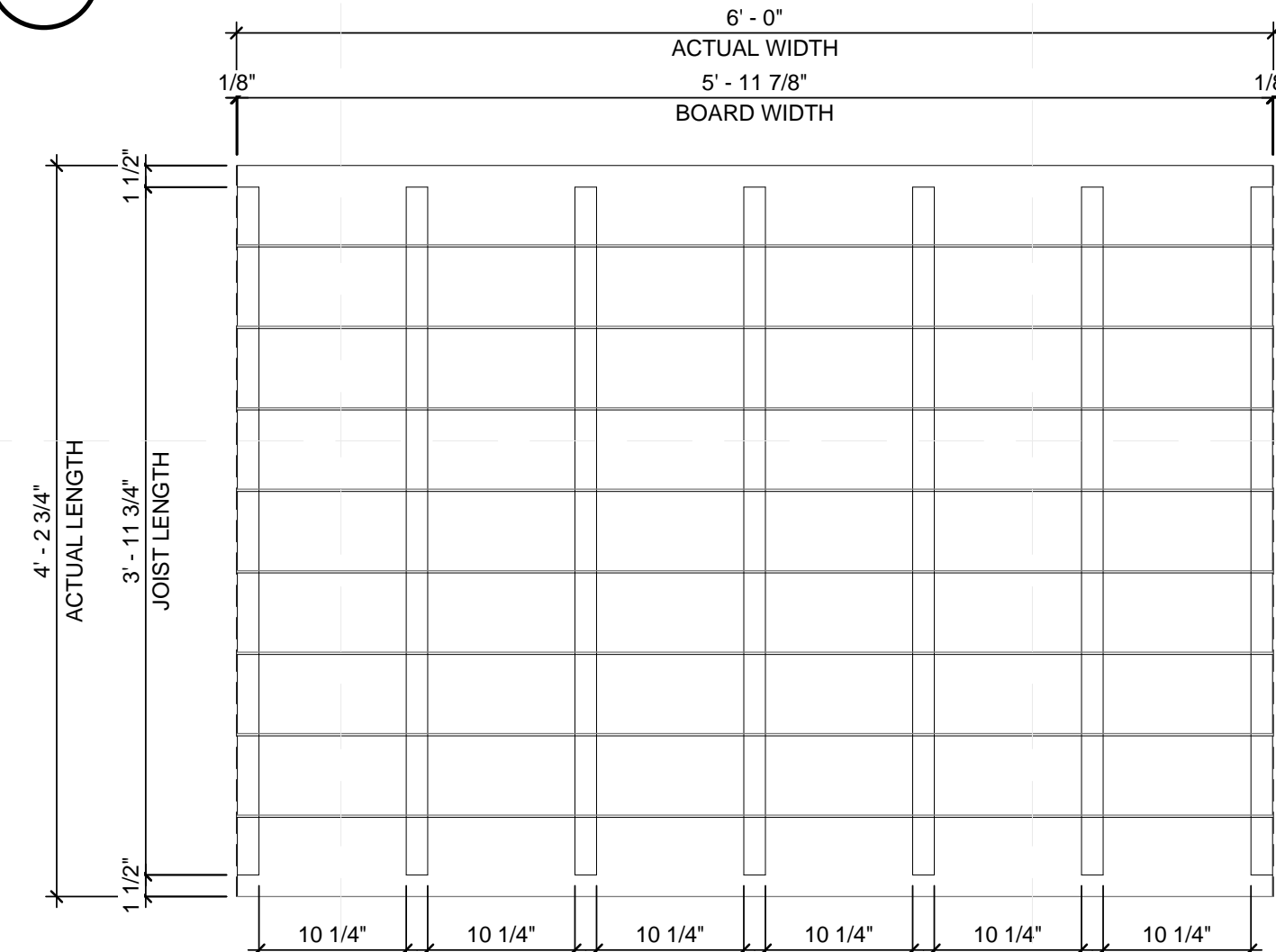
D1 DECK - DK10 SHOP DRAWINGS
1" = 1'-0"



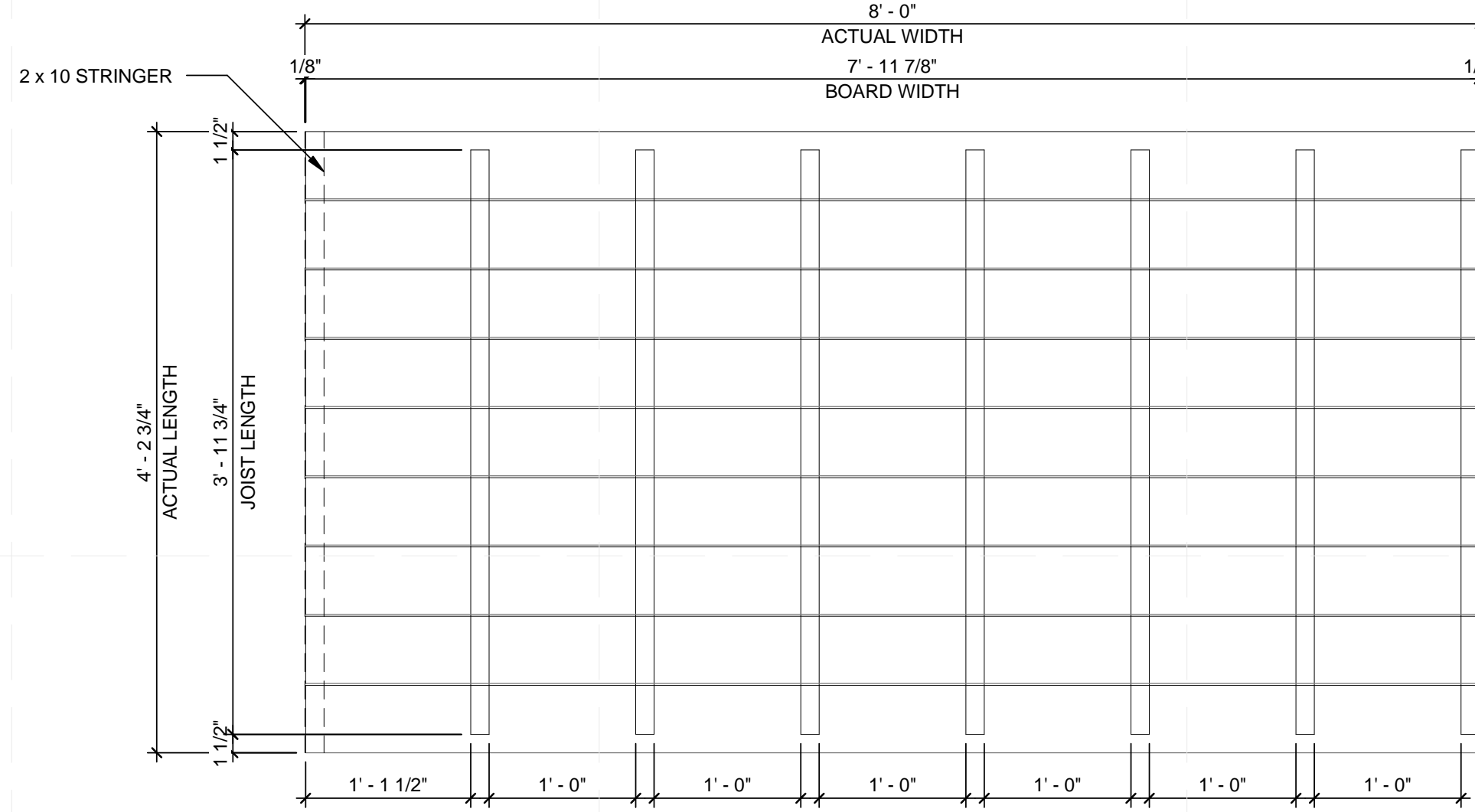
C1 DECK - DK11 SHOP DRAWINGS
1" = 1'-0"



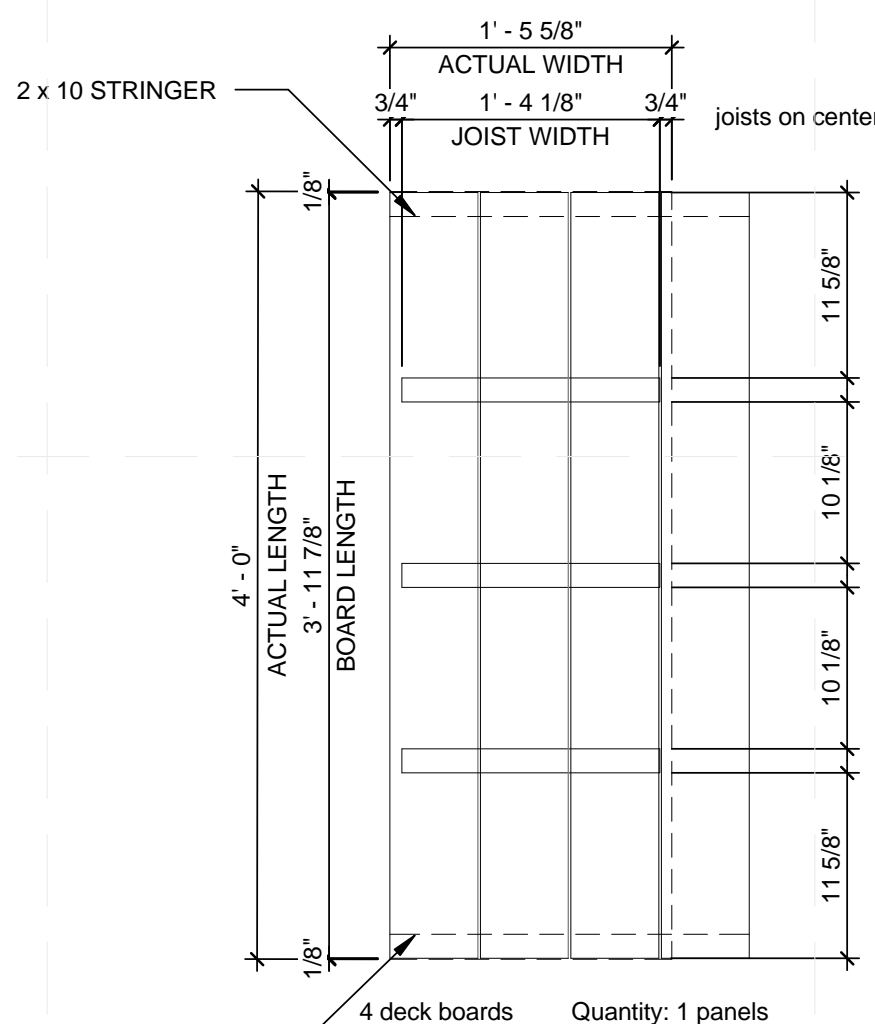
B1 DECK - DK12 SHOP DRAWINGS
1" = 1'-0"



A1 DECK - DK13 SHOP DRAWINGS
1" = 1'-0"



D4 DECK - DK14 SHOP DRAWINGS
1" = 1'-0"

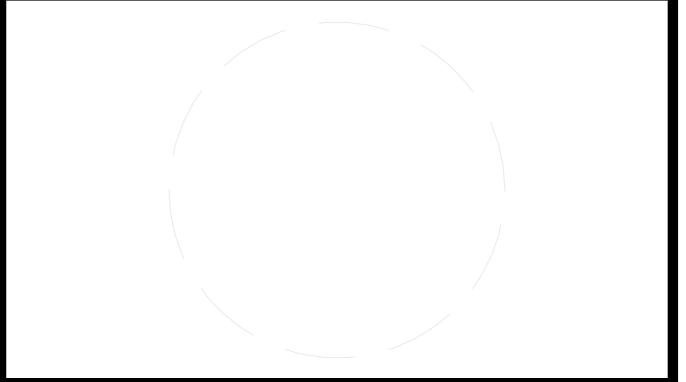


A4 DECK - RDK1 SHOP DRAWING
1" = 1'-0"



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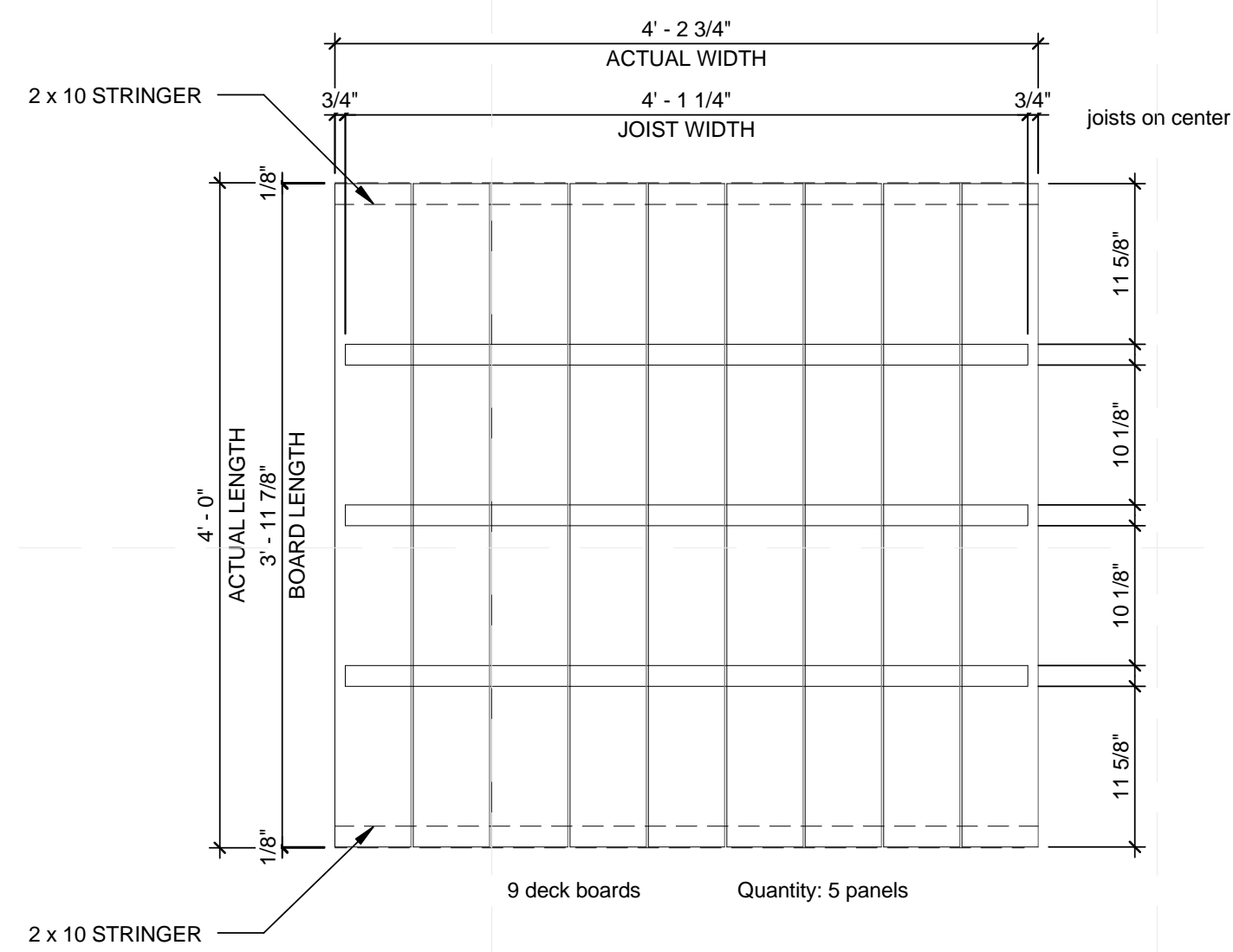
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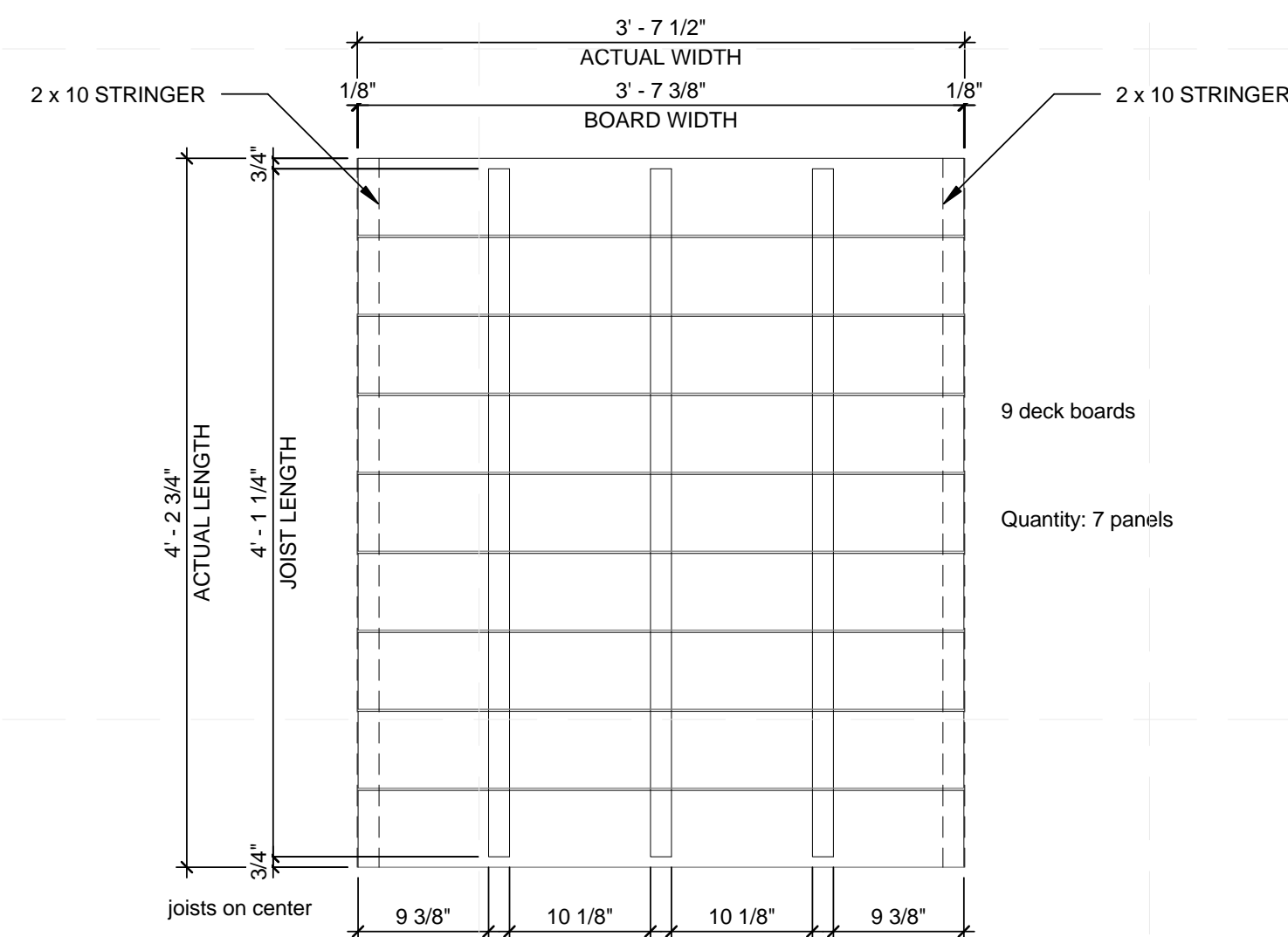
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SHEET TITLE
DECKING SHOP DRAWINGS

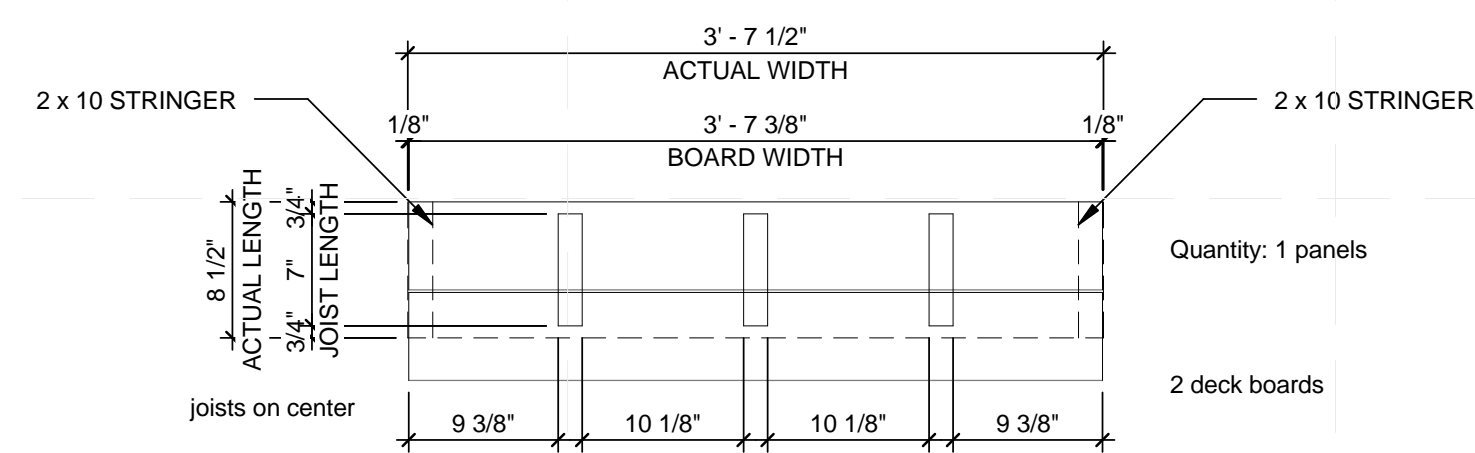
Z-402



D1 DECK - RDK2 SHOP DRAWINGS
1" = 1'-0"



B1 DECK - RDK3 SHOP DRAWINGS
1" = 1'-0"



A1 DECK - RDK4 SHOP DRAWING
1" = 1'-0"



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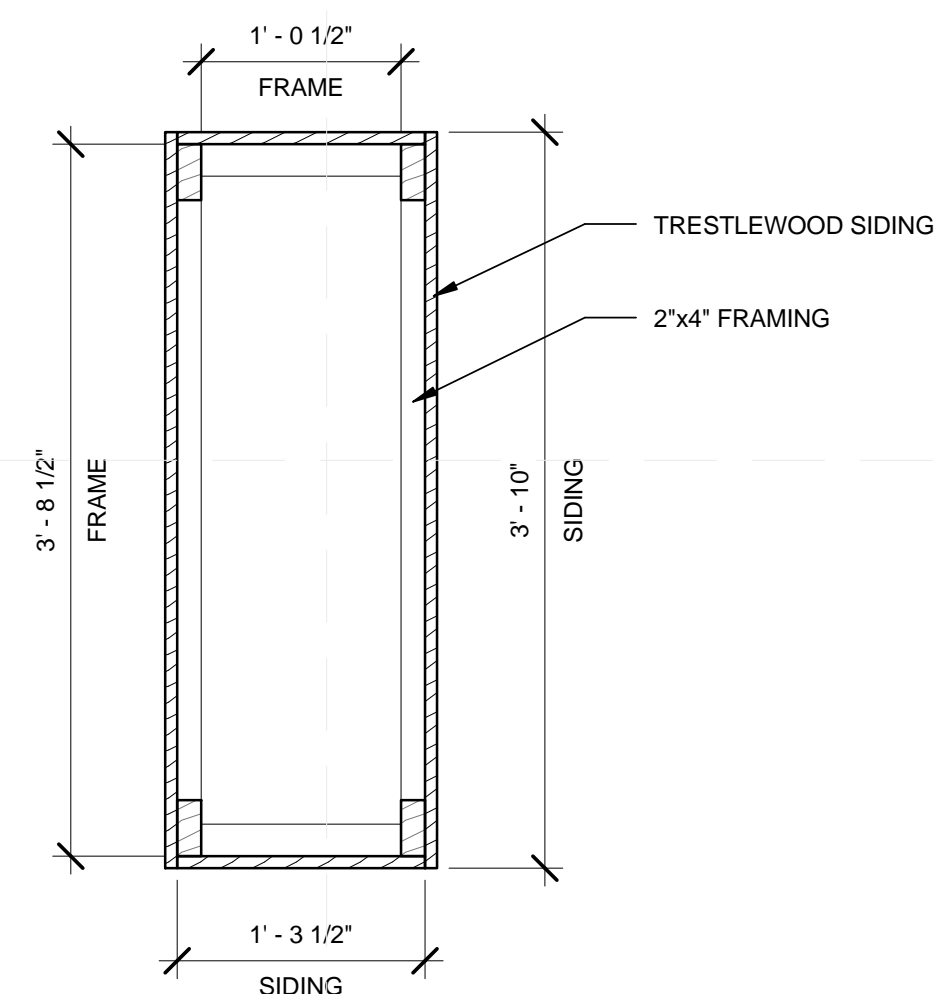
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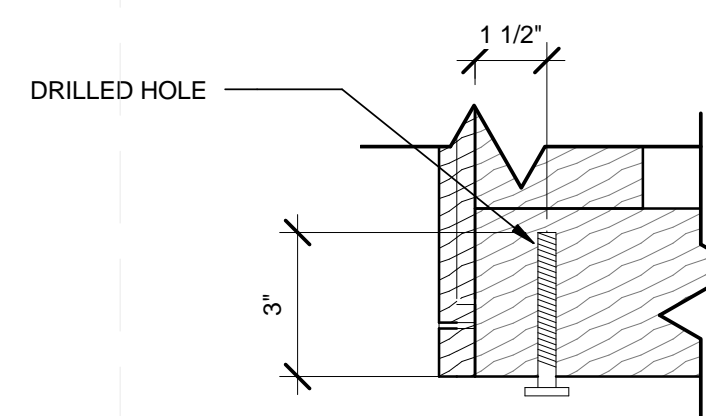
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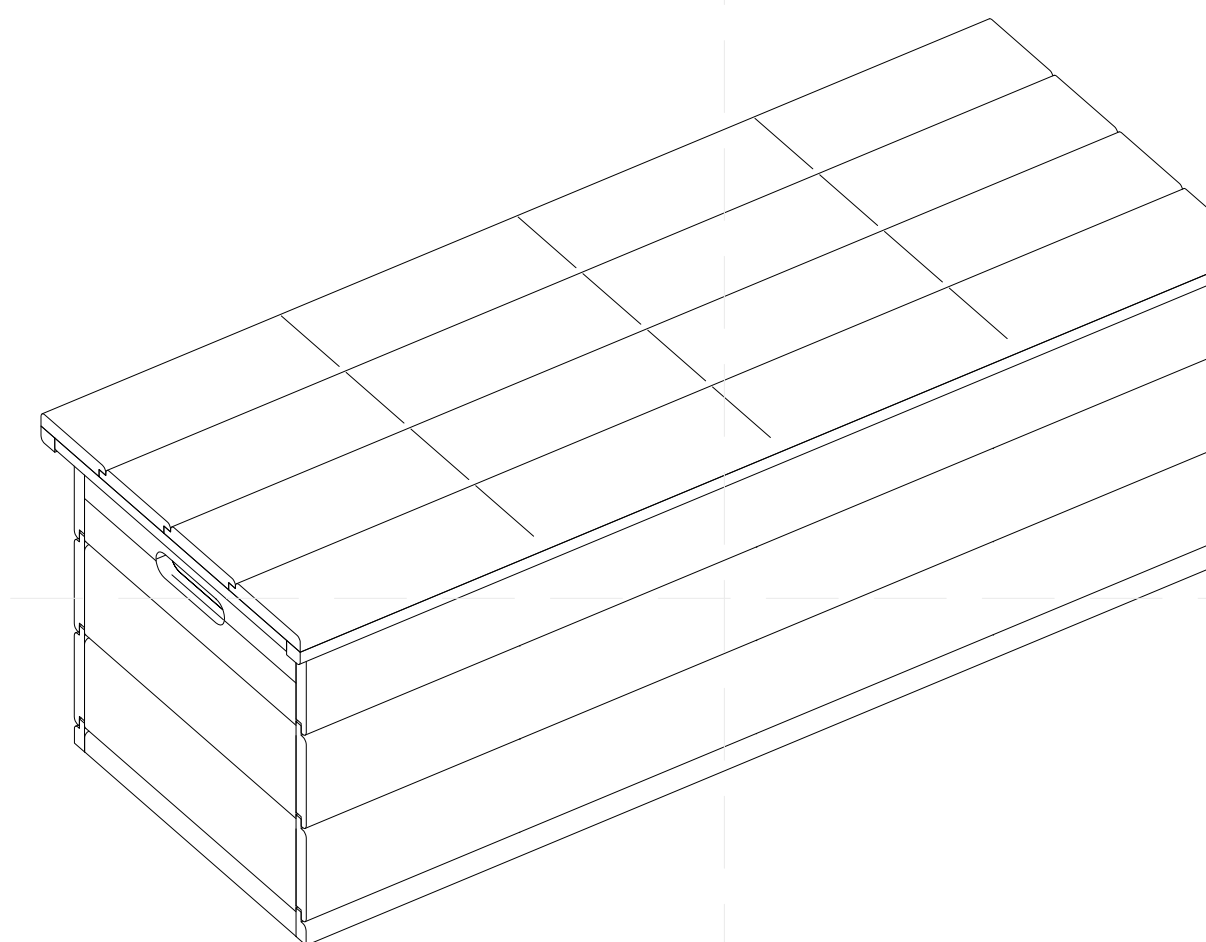
Z-403



1C PLAN DETAIL
1" = 1'-0"

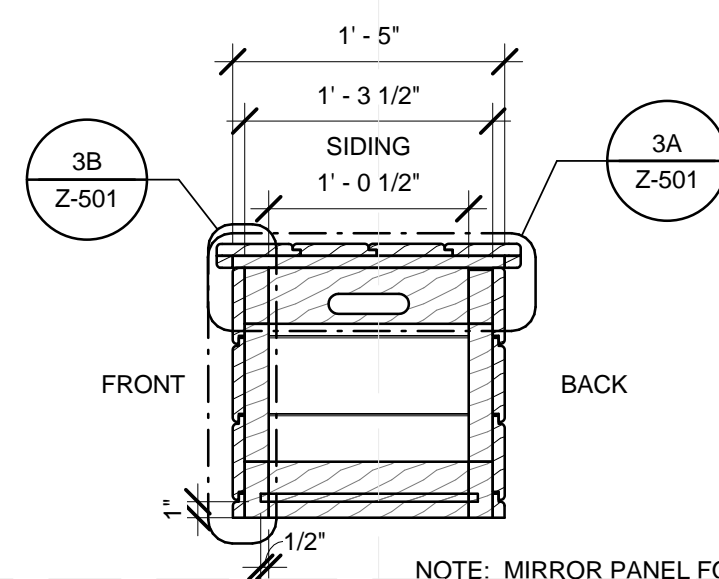


3C HOLE DETAIL
3" = 1'-0"

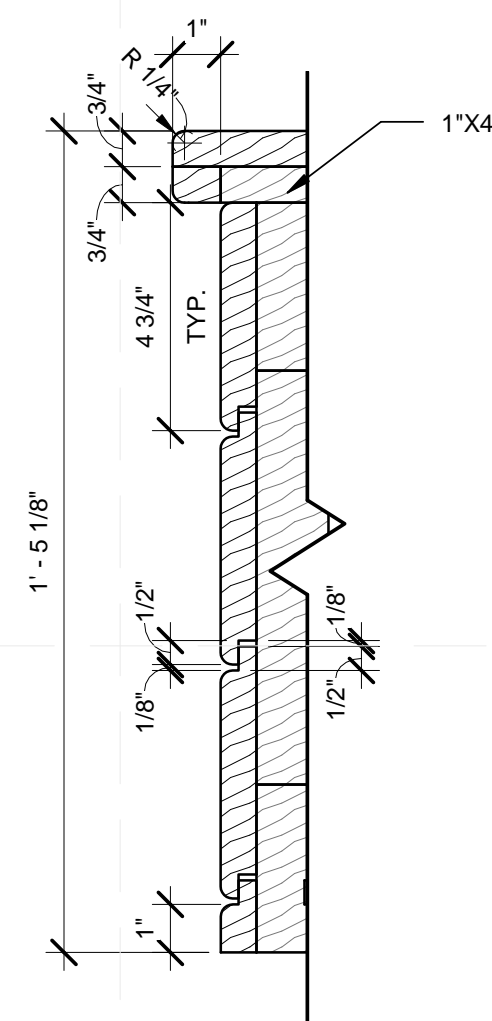


GENERAL BENCH SHOP DRAWING NOTES

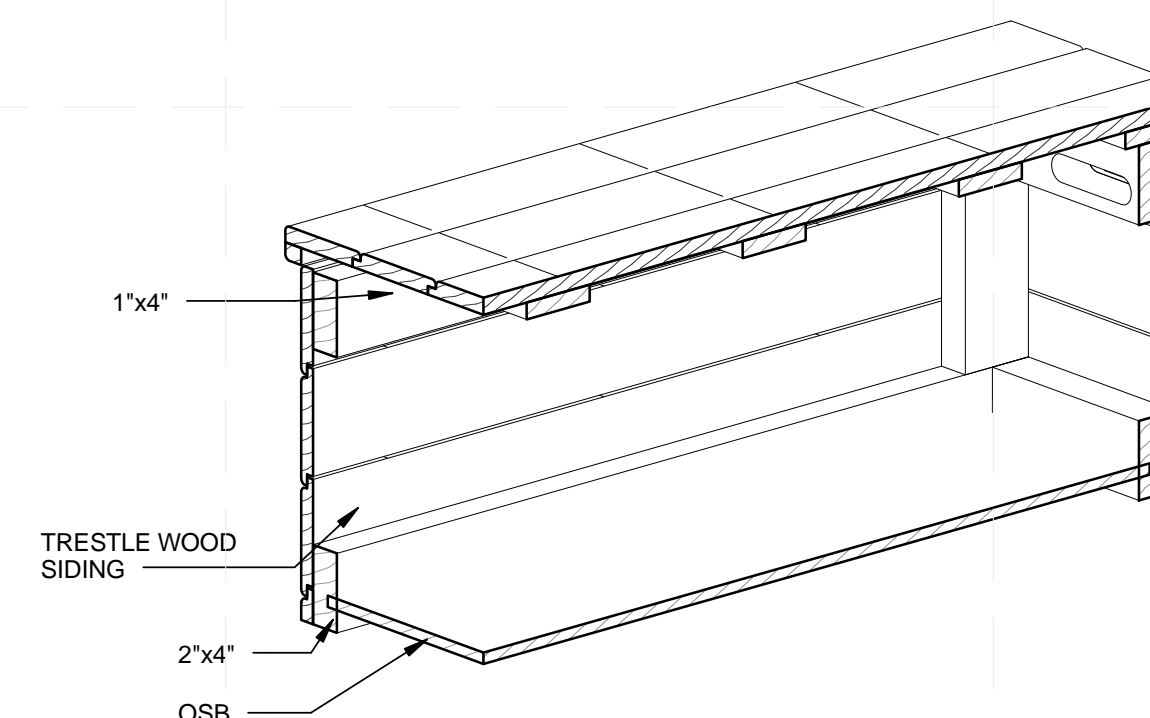
- ALL TRESTLE WOOD SIDING SHALL BE 3/4" x 5 1/4" IN SIZE
- MIRROR LEFT AND BACK PANELS TO CONSTRUCT REMAINING SIDES
- CONSULT DESIGNER WITH FURTHER QUESTIONS



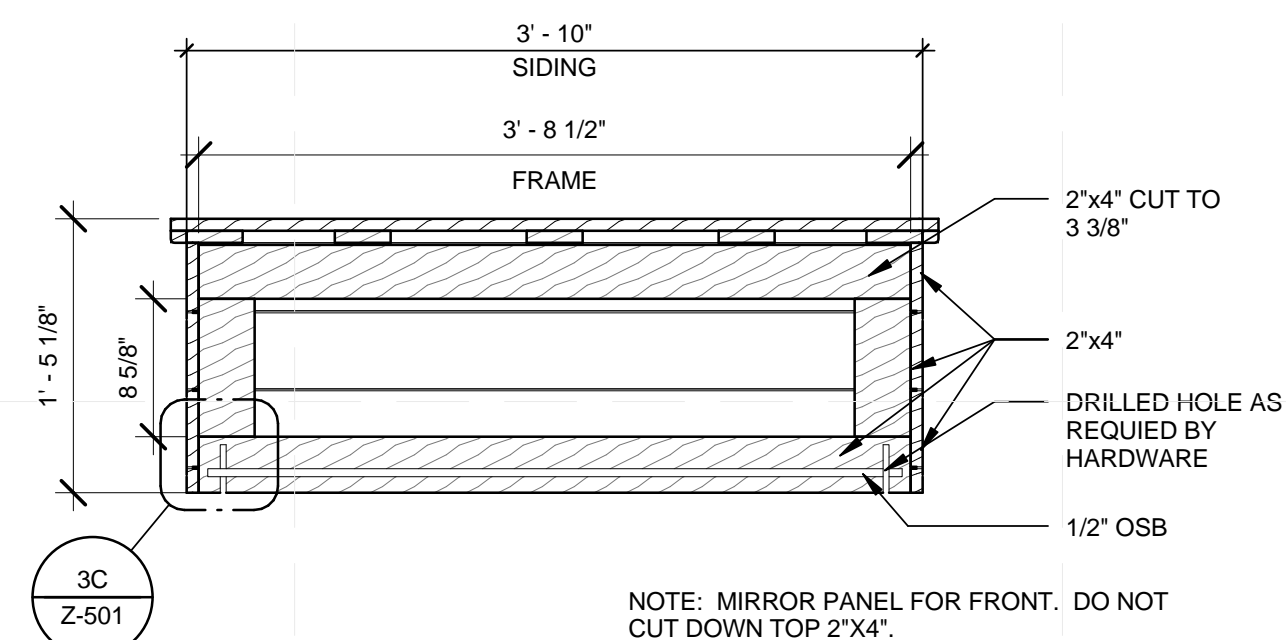
1B ELEVATION LEFT
1" = 1'-0"



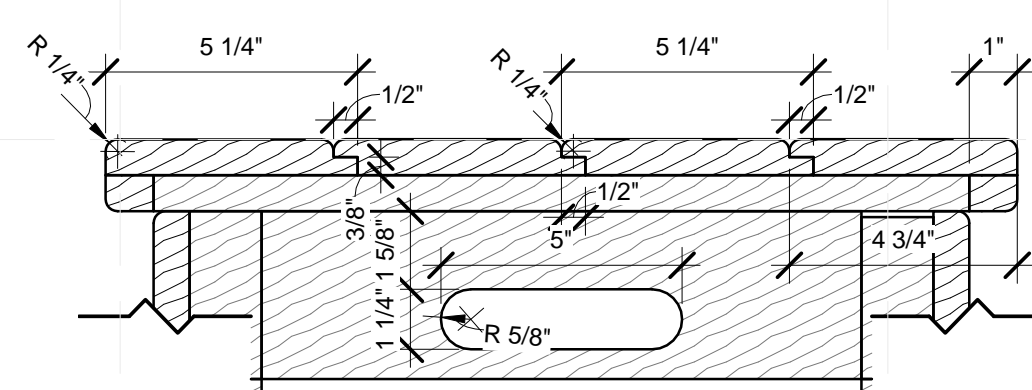
3B SIDING DETAIL 2
3" = 1'-0"



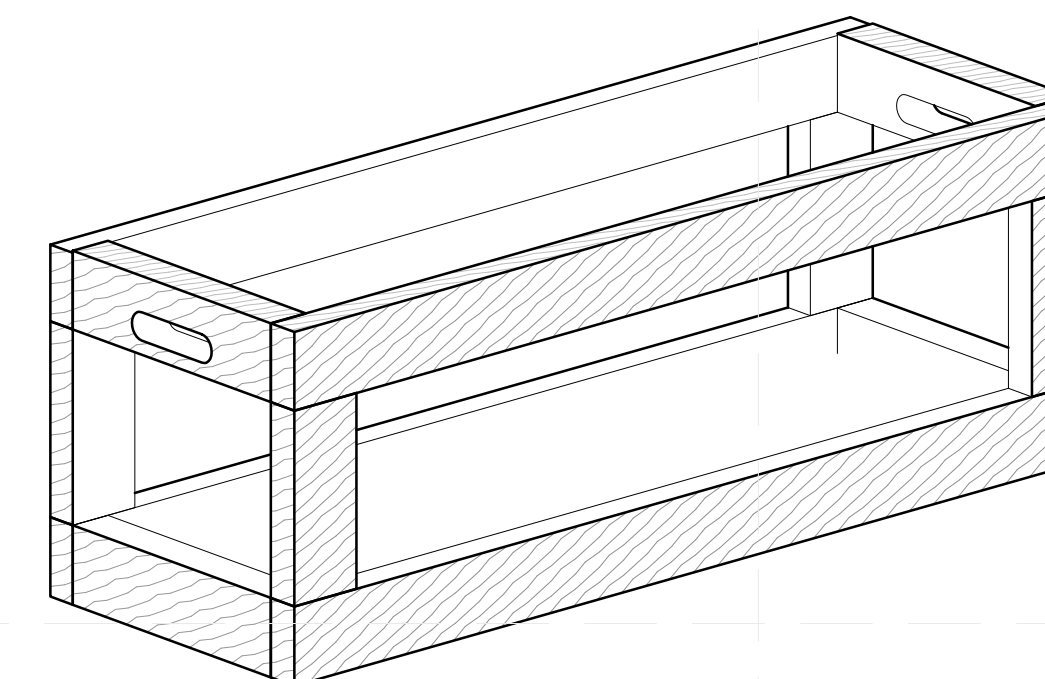
6B SECTION DETAIL



1A ELEVATION BACK
1" = 1'-0"



3A SIDING DETAIL 1
3" = 1'-0"



6A FRAME DETAIL



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02	11/20/2012	DD RESUBMISSION
03	02/14/2013	CONSTRUCTION DOCUMENT
04	04/05/2013	CD RESUBMISSION
05	08/22/2013	AS-BUILT DRAWINGS

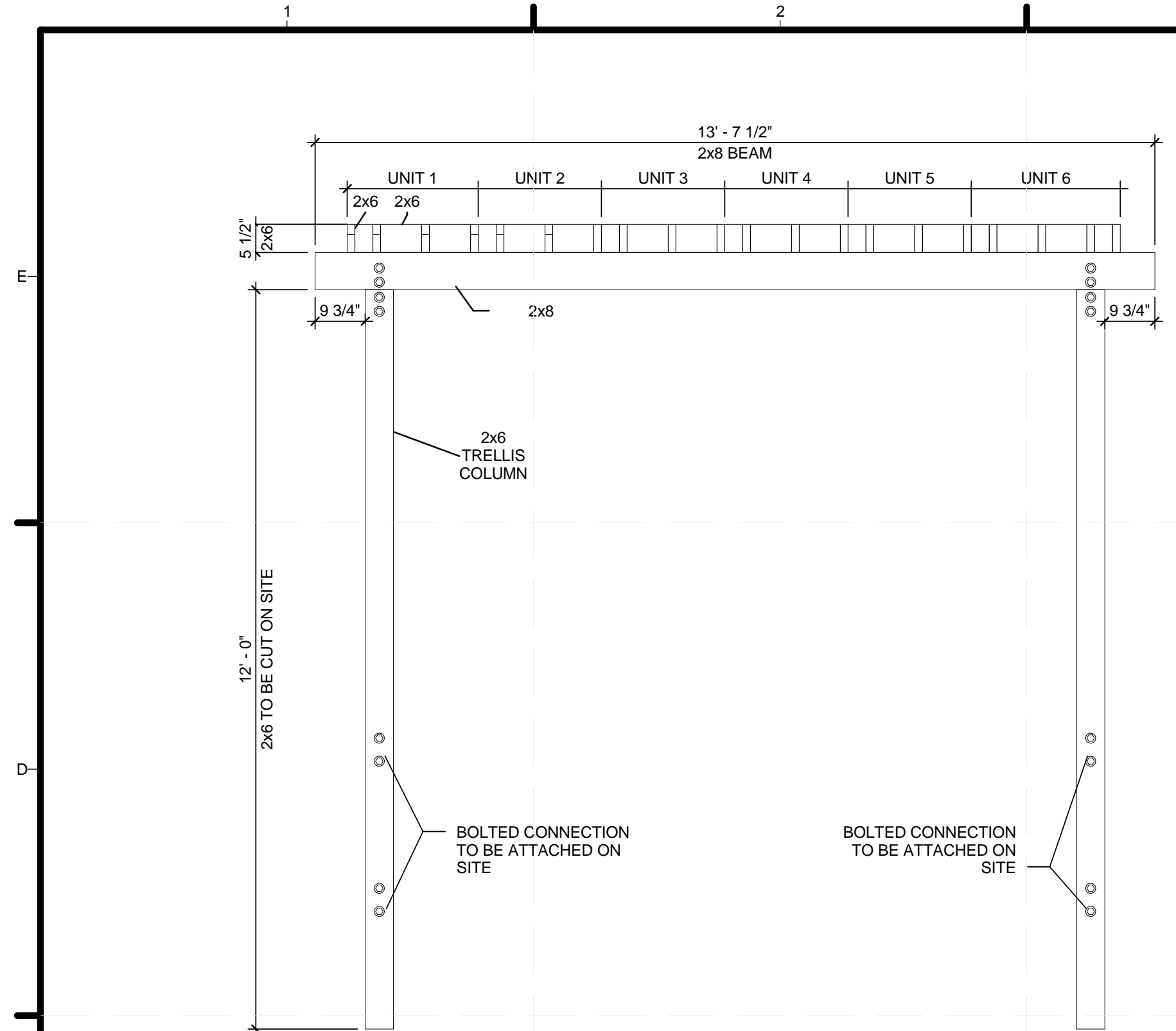
MARK DATE DESCRIPTION

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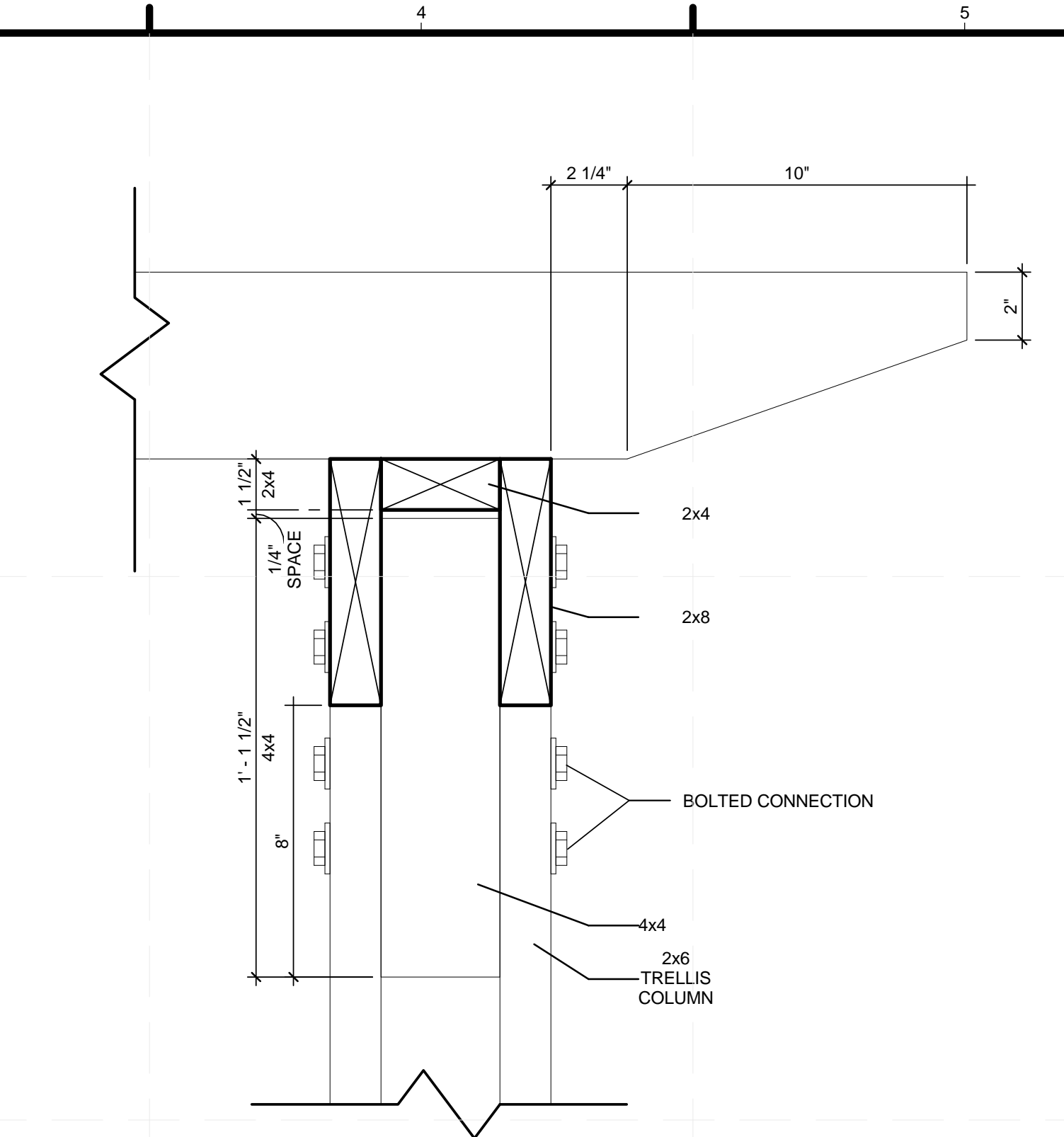
SHEET TITLE

BENCH SHOP DRAWINGS

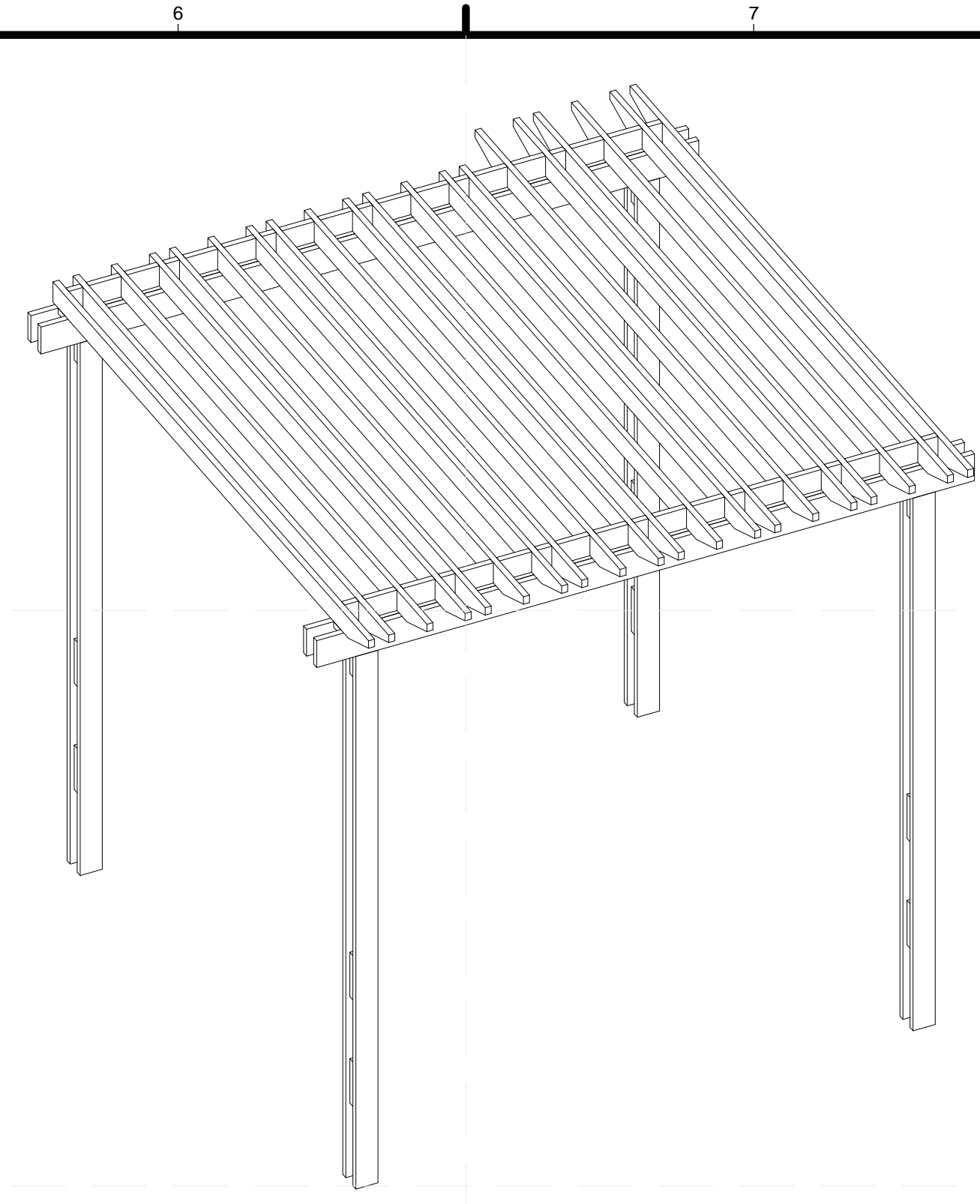
Z-501



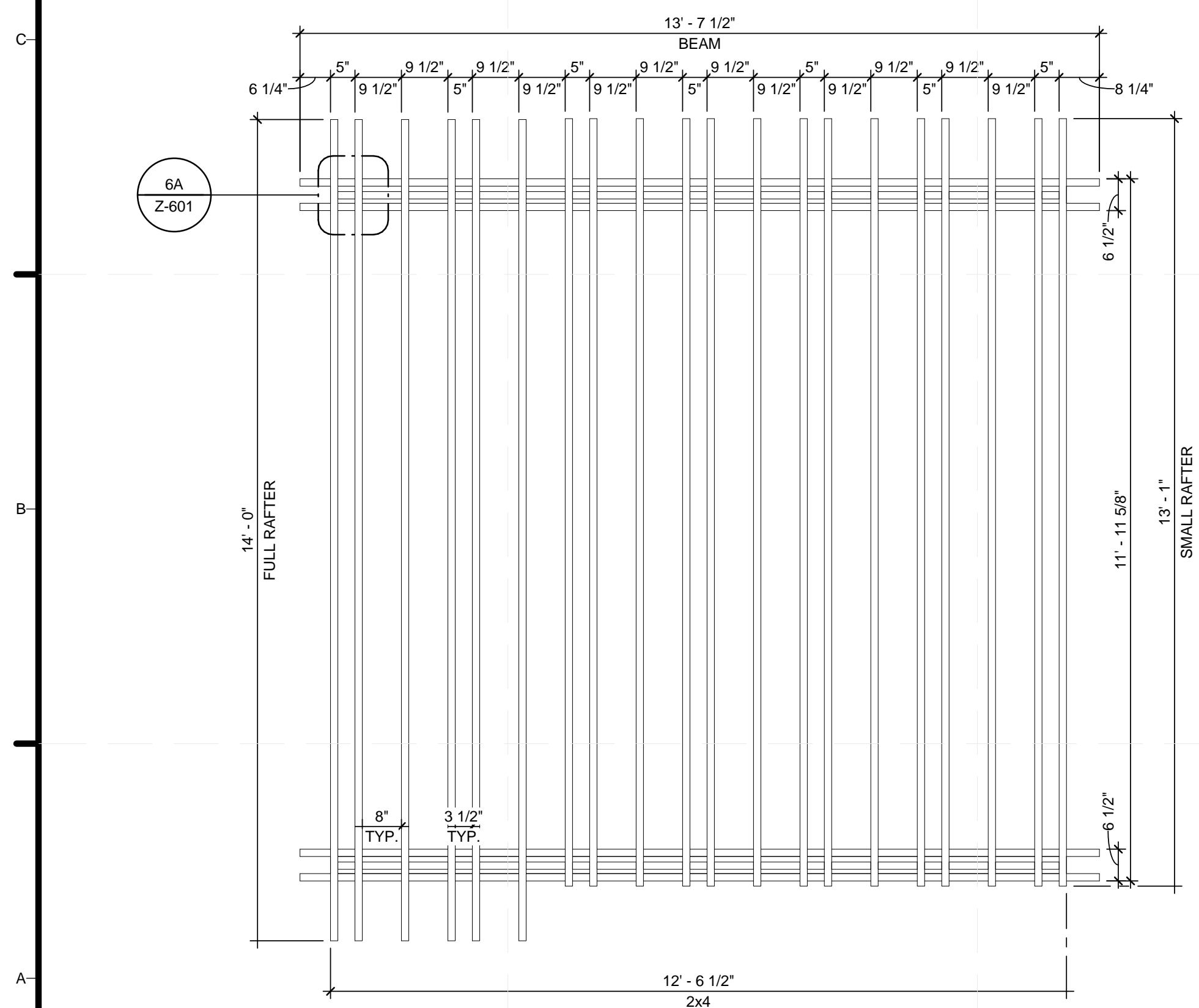
1C ELEVATION FRONT
1/2" = 1'-0"



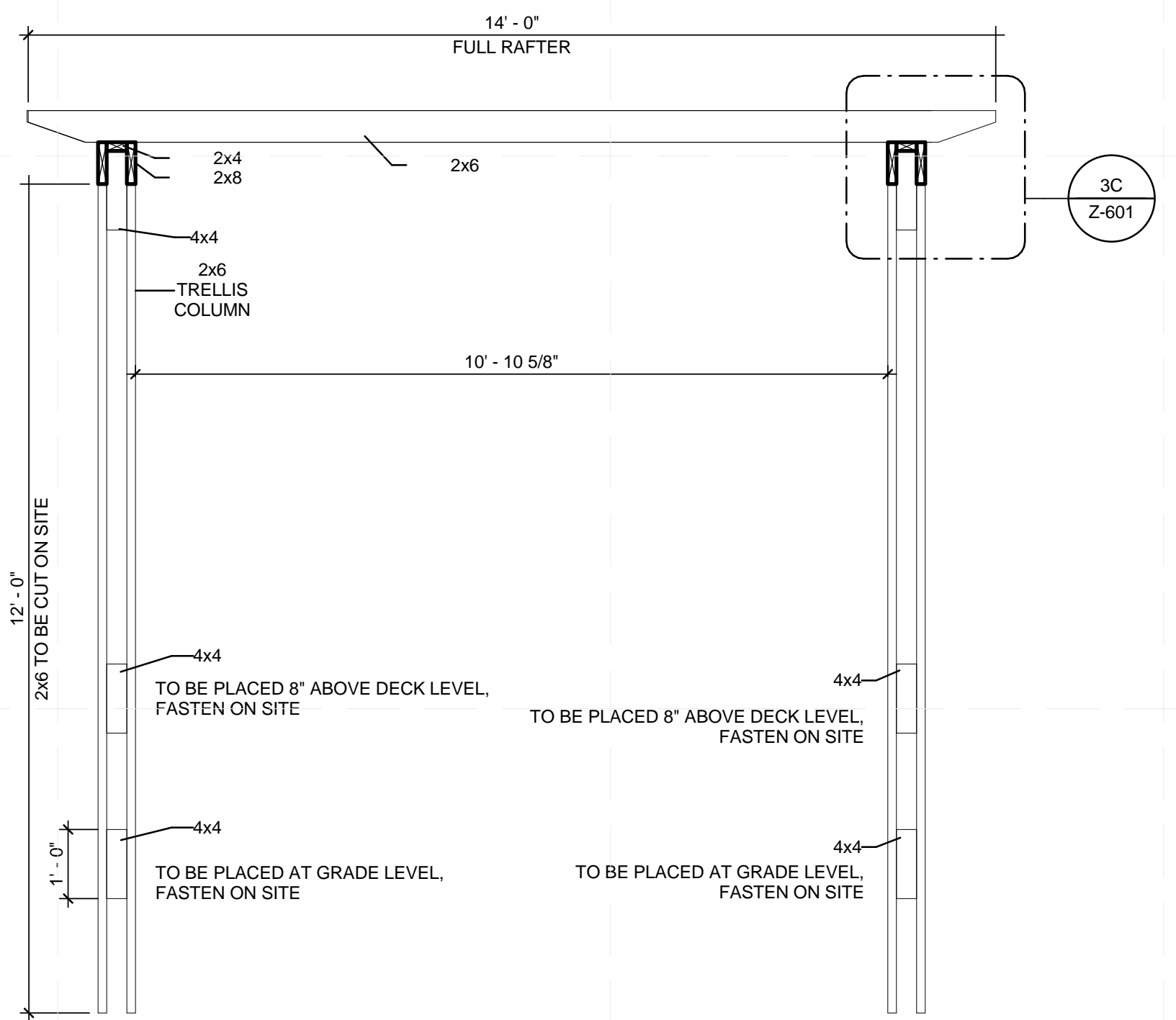
3C RAFTER DETAIL
3" = 1'-0"



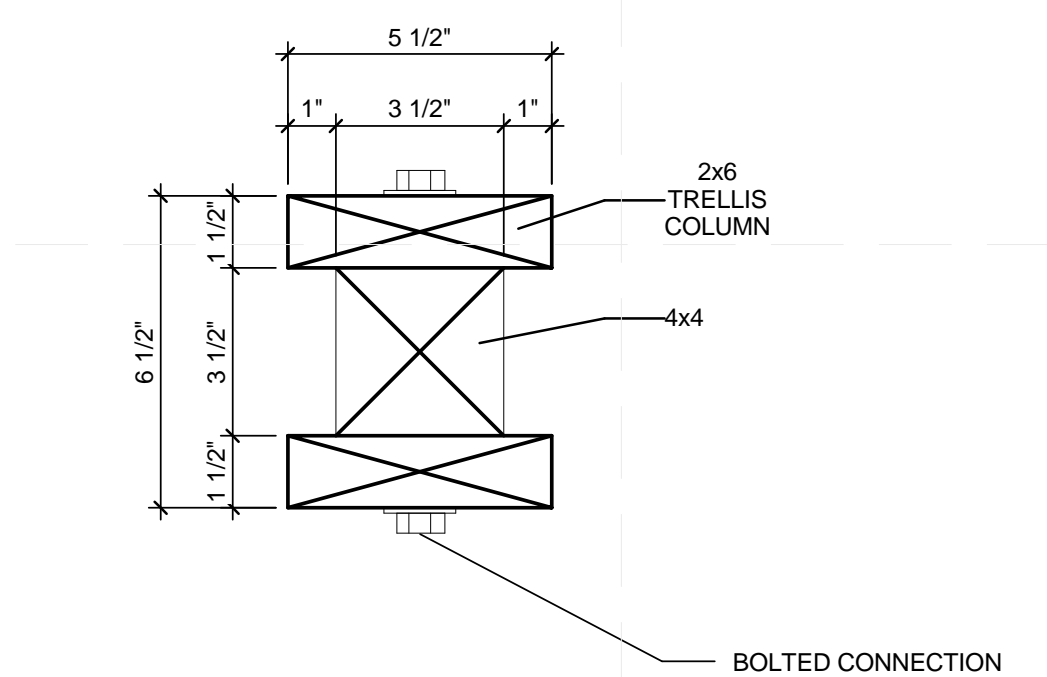
- GENERAL TRELLIS SHOP DRAWING NOTES**
- ALL LOWER 4x4 PIECES TO BE CONNECTED ON SITE TO ADJUST TO SITE SPECIFIC CONDITIONS
 - BOLTED CONNECTIONS TO BE ENGINEERED BEFORE CONNECTING
 - ALL BOLTED CONNECTIONS TO BE EXTERIOR GRADE
 - ALL LUMBER TO BE EXTERIOR GRADE CEDAR
 - CONSULT DESIGNER WITH FURTHER QUESTIONS



1A TRELLIS PLAN
1/2" = 1'-0"



3A ELEVATION SIDE
1/2" = 1'-0"

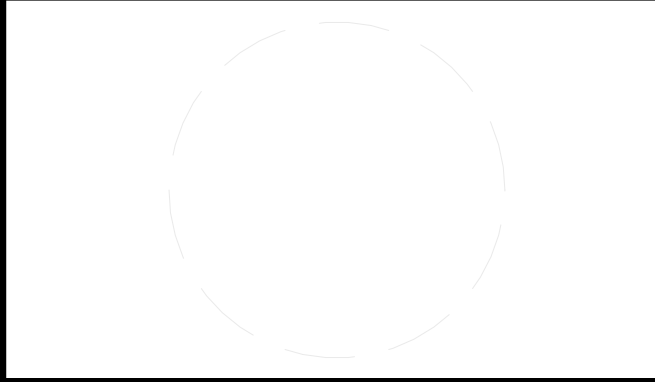


6A COLUMN CONSTRUCTION
3" = 1'-0"



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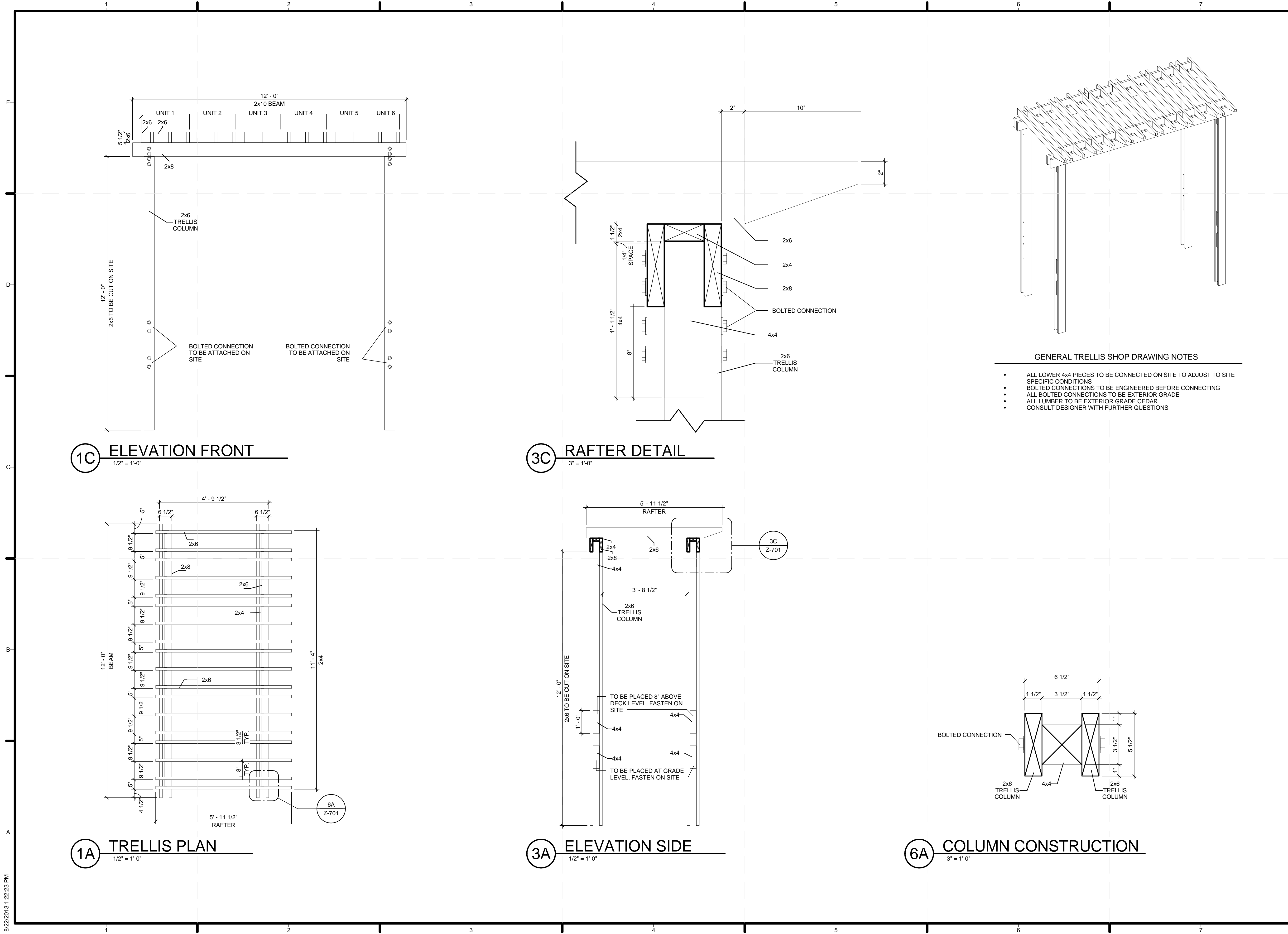
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SHEET TITLE
NORTH TRELLIS SHOP DRAWINGS

Z-601

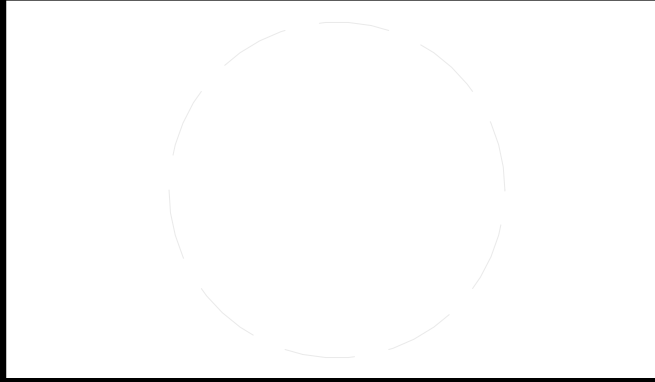


- GENERAL TRELLIS SHOP DRAWING NOTES**
- ALL LOWER 4x4 PIECES TO BE CONNECTED ON SITE TO ADJUST TO SITE SPECIFIC CONDITIONS
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SHEET TITLE
 SOUTH TRELLIS SHOP DRAWINGS

Z-701

8/22/2013 1:22:23 PM

