

PROJECT DESCRIPTION

PROTOTYPE OF SINGLE-FAMILY RESIDENCE TO SERVE AS AN EDUCATIONAL EXHIBIT IN THE 2011 UNITED STATES DEPARTMENT OF ENERGY'S SOLAR DECATHLON COMPETITION ON THE NATIONAL MALL IN WASHINGTON, D.C. PROJECT WILL THEN SERVE AS AN EDUCATIONAL EXHIBIT IN THE STATE OF TENNESSEE.

CODES AND STANDARDS

BASED ON THE REQUIREMENTS OF THE DEPARTMENT OF ENERGY'S SOLAR DECATHLON COMPETITION, THE FOLLOWING CODES AND STANDARDS WERE USED IN PREPARATION OF THESE DOCUMENTS IN REGARDS TO THE AREAS OF THE PROJECT LISTED BELOW.

INTERNATIONAL RESIDENTIAL CODE, 2009 EDITION (GENERAL DESIGN REQUIREMENTS, FIRE PROTECTION):

CONSTRUCTION AREA: FIRST FLOOR 740 S.F.
NUMBER OF STORIES: ONE
HEIGHT ABOVE MAIN FINISH FLOOR ELEVATION: 11'-2"
OCCUPANCY TYPE: SINGLE FAMILY RESIDENTIAL
AUTOMATIC FIRE SPRINKLER SYSTEM: NFPA R13D
SMOKE ALARMS: TWO SMOKE ALARMS PROVIDED, HARDWIRED AND INTERCONNECTED WITH BATTERY BACK-UP

INTERNATIONAL BUILDING CODE, 2009 EDITION (MEANS OF EGRESS):

OCCUPANT LOAD (TABLE 1004.1.1):
RESIDENTIAL = 200 GROSS
570 GROSS SF / 200 = 2.85 ~ **3 OCCUPANTS**
ACCESSIBLE MEANS OF EGRESS: TWO ACCESSIBLE MEANS OF EGRESS PROVIDED

ICC/ANSI A117.1-2003 (ACCESSIBLE EXHIBIT ROUTE):

CLEAR WIDTH OF MIN. 36" MAINTAINED ALONG ROUTE WITH NO SLOPE GREATER THAN 1:12 AND NO VERTICAL CHANGE IN LEVEL GREATER THAN 1/4"

OWNER
THE UNIVERSITY OF TENNESSEE, KNOXVILLE
1715 VOLUNTEER BOULEVARD, RM 224
KNOXVILLE, TN 37996
865.974.5211

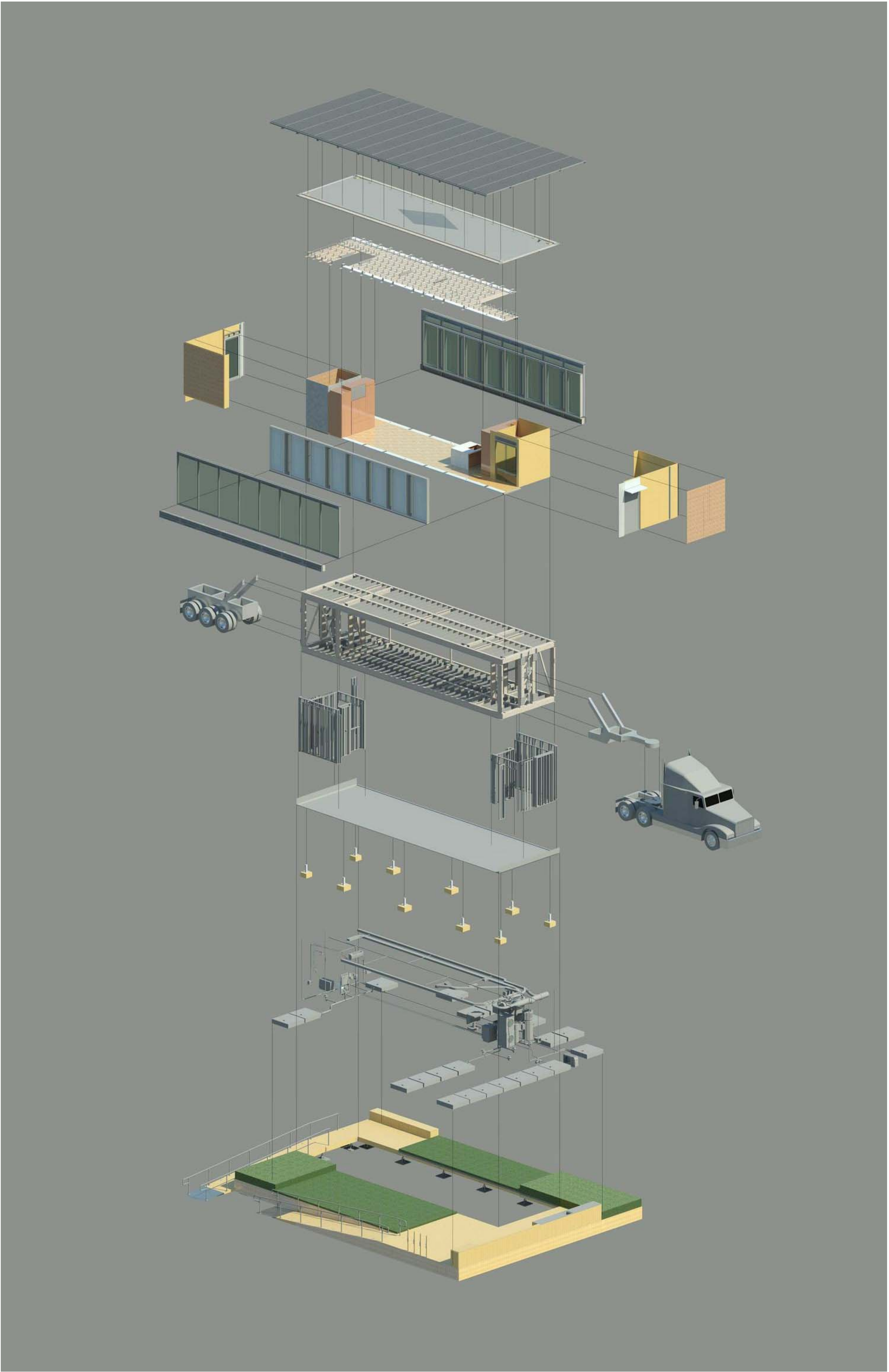
ARCHITECT
JAMES ROSE ARCHITECT
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865.974.3290

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615.329.1300

MALLIA ENGINEERING COMPANY
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ELECTRICAL ENGINEER
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CLIENT

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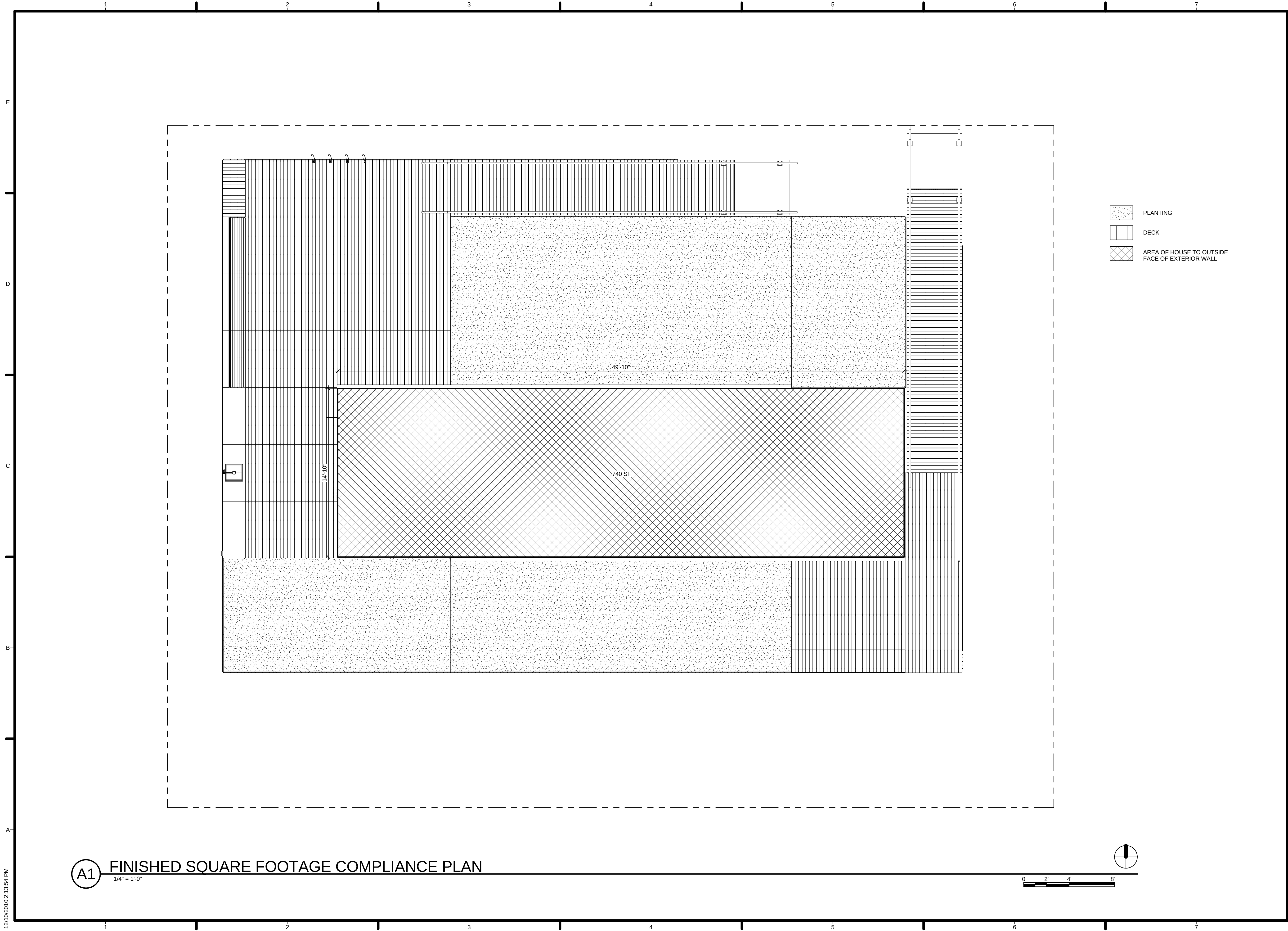
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SHEET TITLE

TITLE SHEET

G-000



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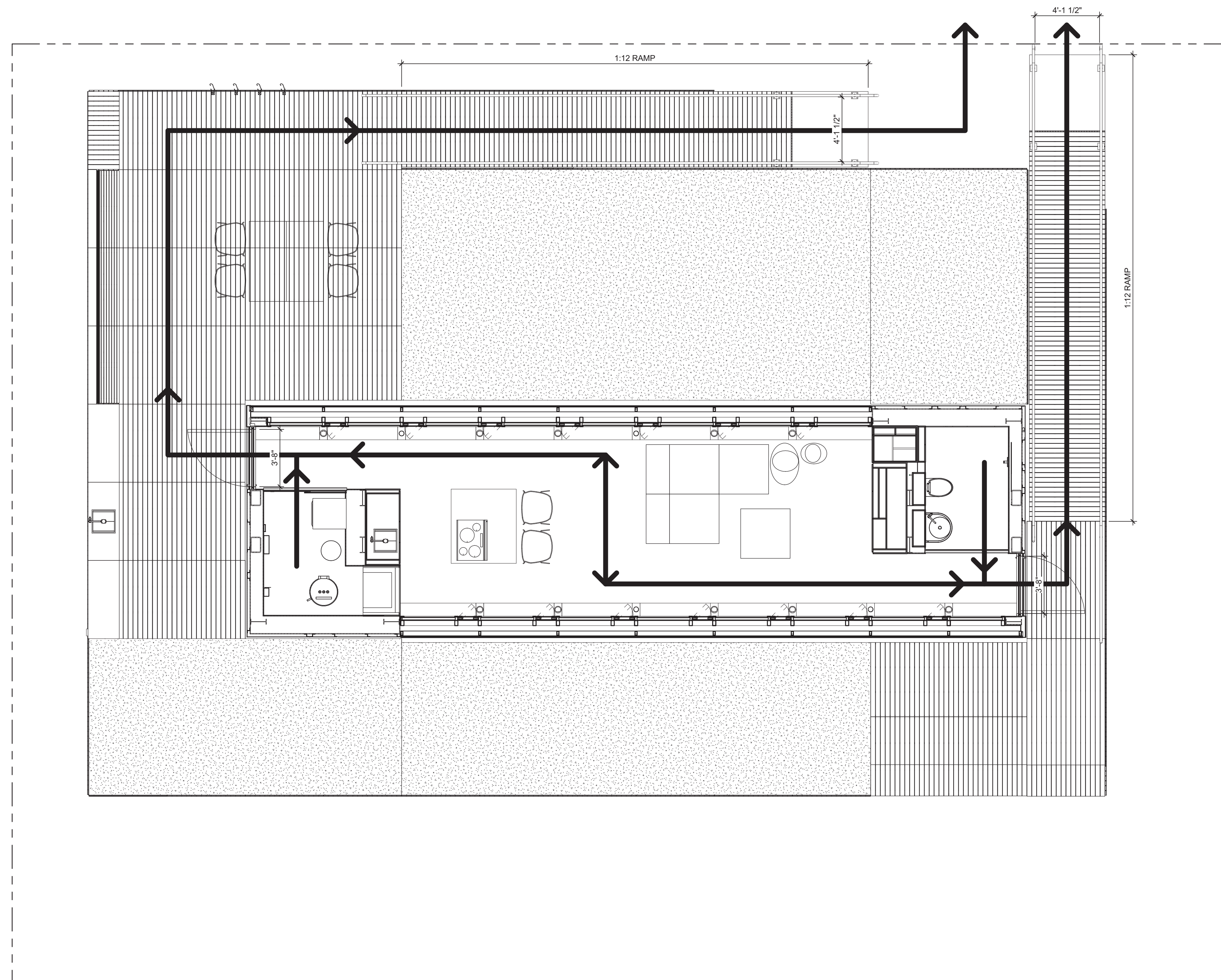
SHEET TITLE

FINISHED SQUARE
FOOTAGE
COMPLIANCE PLAN

G-101

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A1 FINISHED SQUARE FOOTAGE COMPLIANCE PLAN
1/4" = 1'-0"



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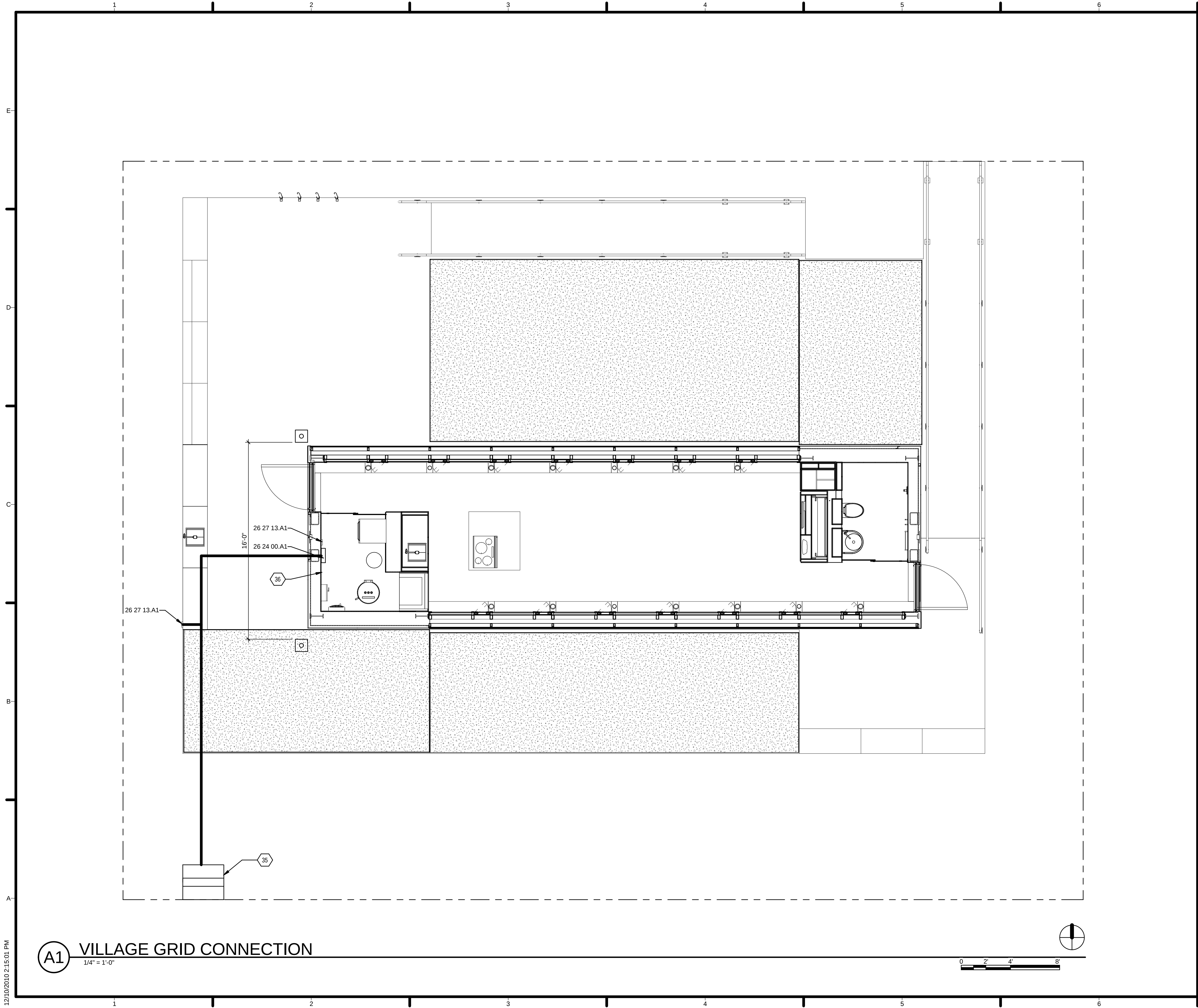
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SHEET TITLE

EGRESS PLAN

G-102



GENERAL SHEET NOTES

REFERENCE KEYNOTES

26 05 26.A1 GROUNDING ELECTRODE
26 24 00.A1 DISTRIBUTION PANEL
26 27 13.A1 ELECTRICAL METER

SHEET KEYNOTES

35 ORGANIZER UTILITY PANEL
36 12" X 12" SPACE FOR ORANIZERS ENCLOSURE
FOR NET PV PRODUCTION METER



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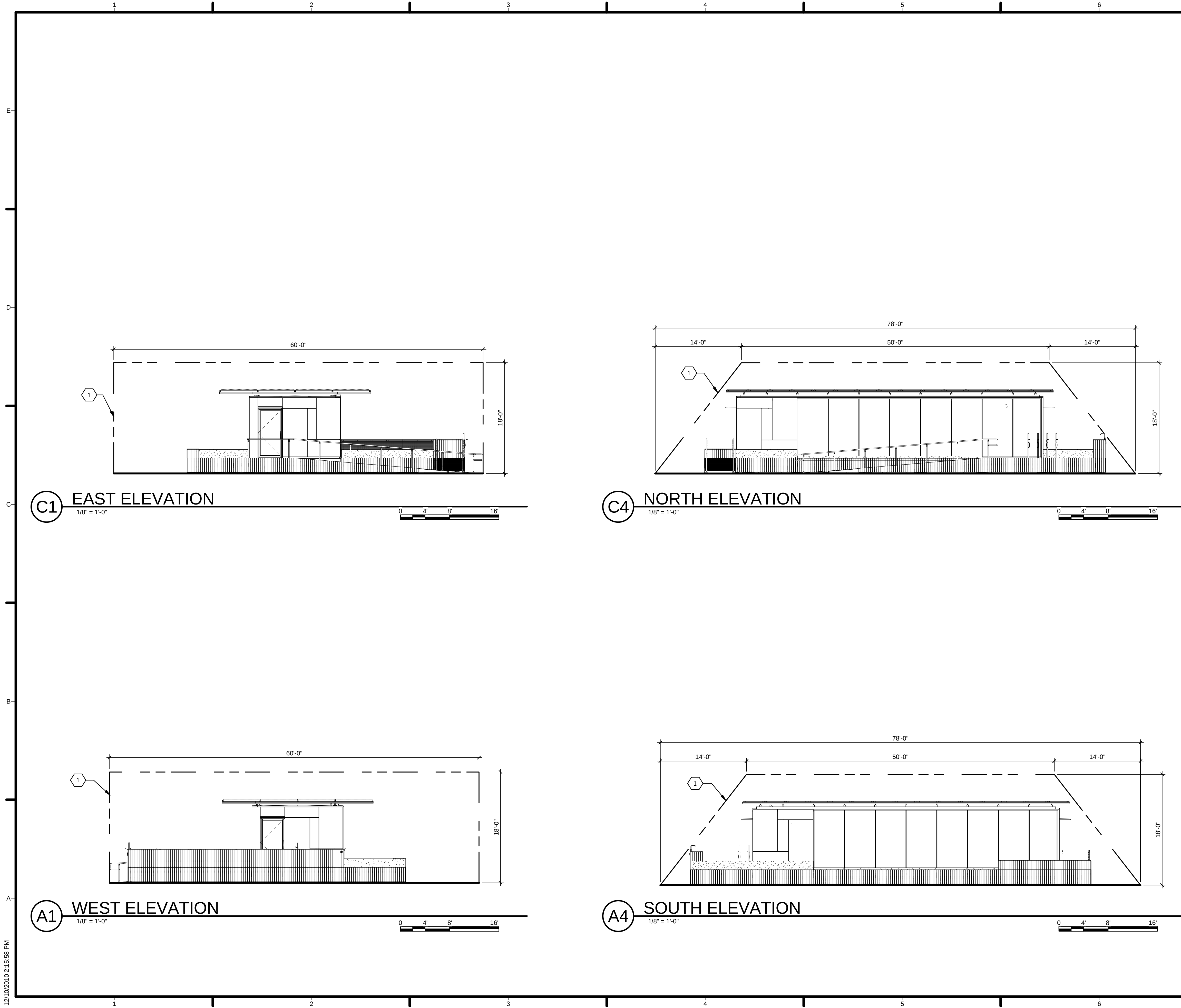
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SHEET TITLE
VILLAGE GRID
CONNECTION

G-104

A1 VILLAGE GRID CONNECTION
1/4" = 1'-0"

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GENERAL SHEET NOTES

1. THE HOUSE AND ALL ASSOCIATED COMPONENTS HAVE BEEN DESIGNED TO FIT WITHIN THE REQUIRED SOLAR ENVELOPE. IF ELEMENTS ARE EXPECTED TO EXCEED SHOWN DIMENSIONS OF SOLAR ENVELOPE, CONTRACTOR TO CONTACT ARCHITECT PRIOR TO PROCEEDING WITH WORK.

REFERENCE KEYNOTES

SHEET KEYNOTES

1	SOLAR ENVELOPE
---	----------------



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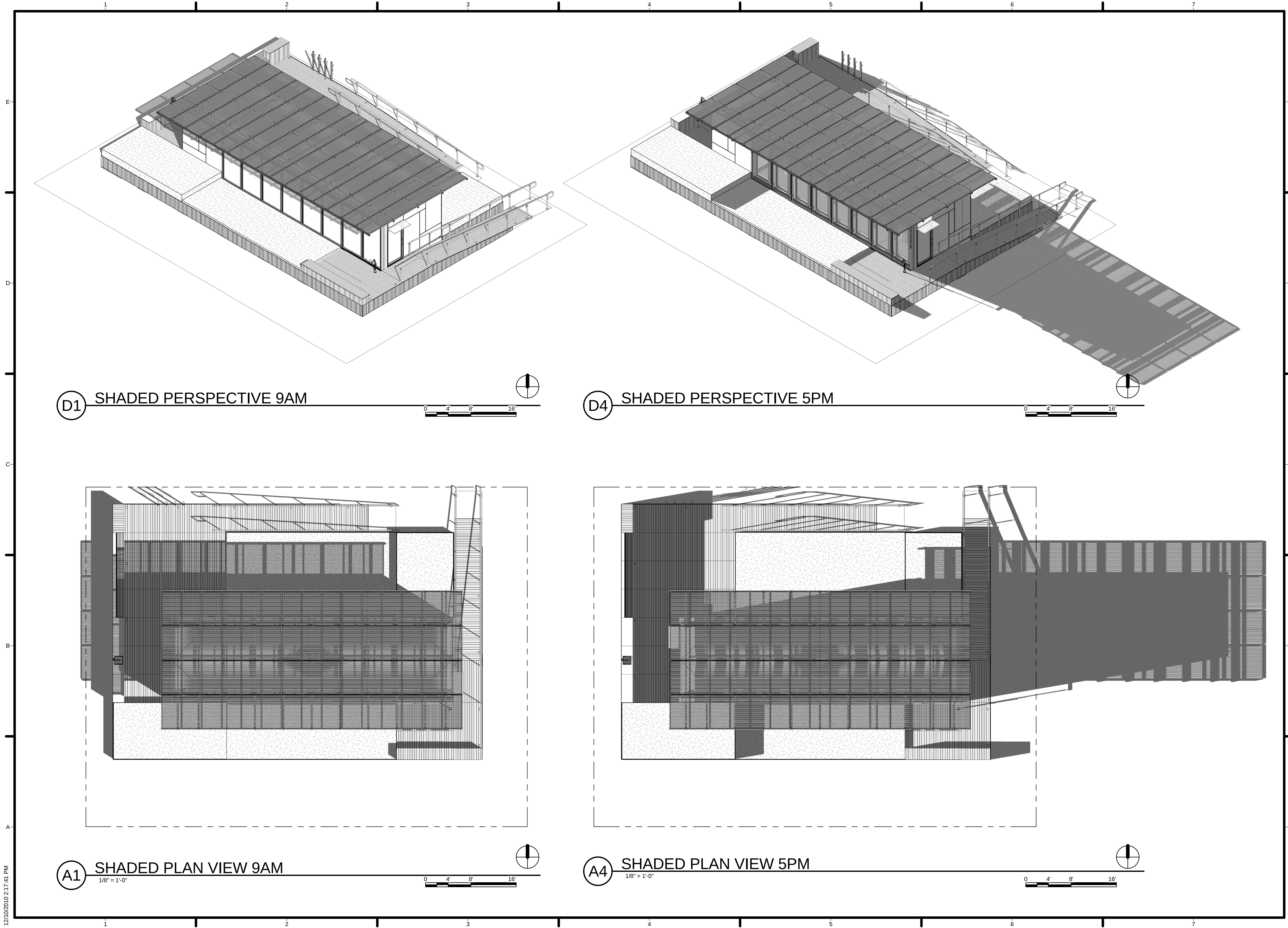


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SHEET TITLE
SOLAR ENVELOPE
COMPLIANCE
ELEVATIONS

G-201



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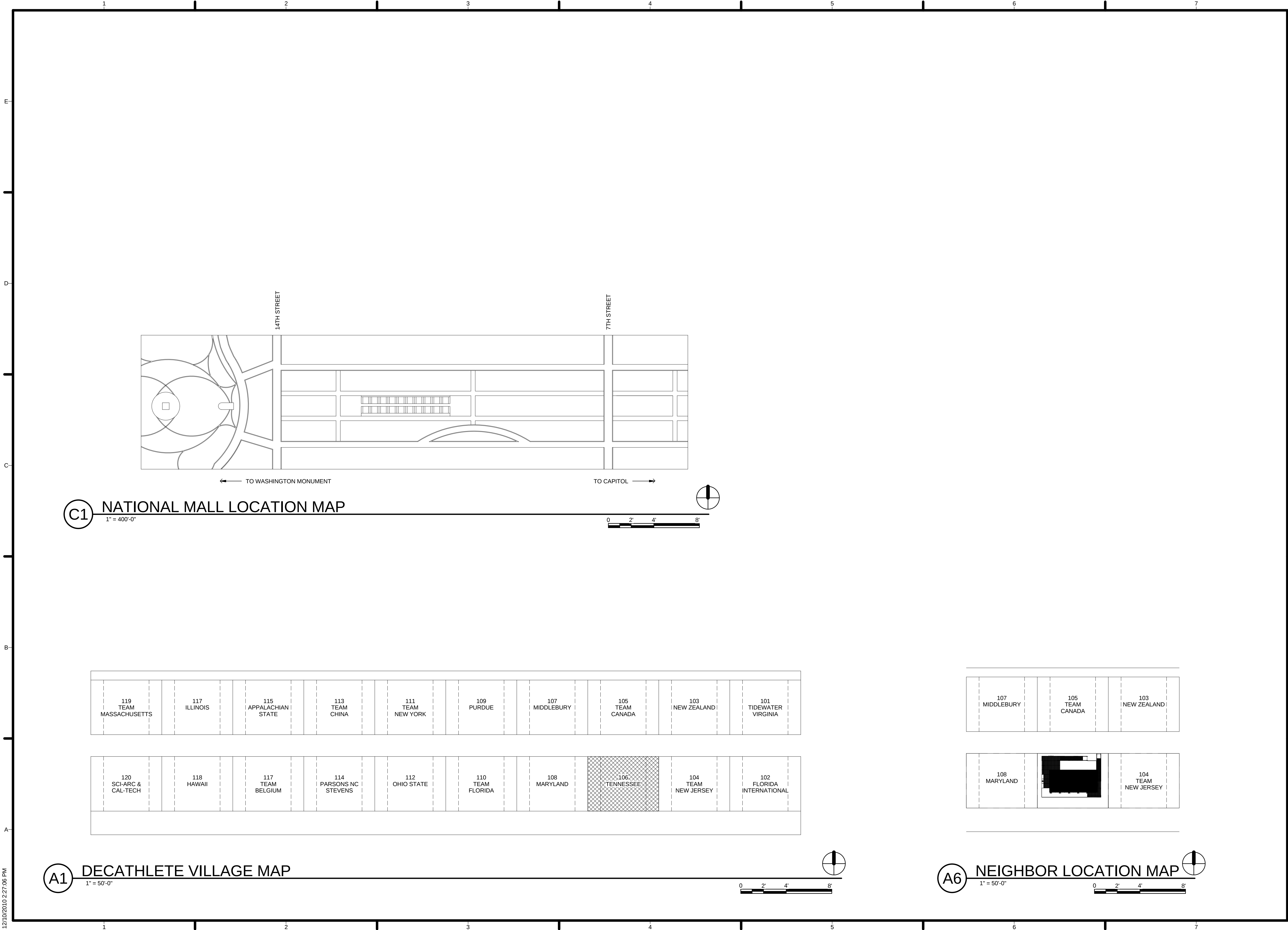
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SHEET TITLE
SHADING DIAGRAMS

G-901



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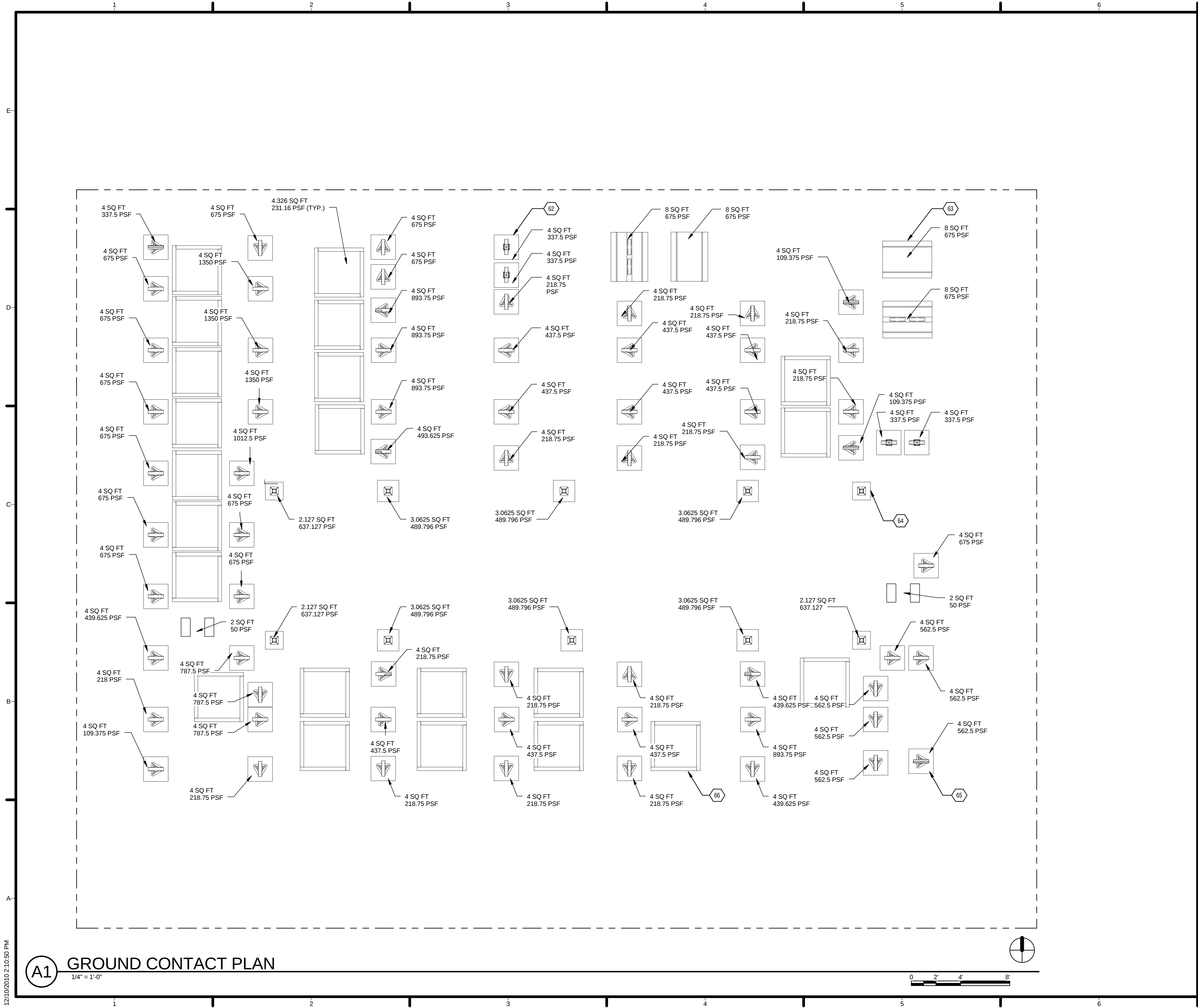
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SHEET TITLE

SITE LOCATION

C-101



GENERAL SHEET NOTES

1. IN ACCORDANCE WITH RULE 4-7, THE FOOTINGS AND FOUNDATIONS HAVE BEEN DESIGNED TO ACCOMMODATE UP TO 18" OF GRADE CHANGE. ALL FOOTINGS HAVE ADJUSTABLE SCREWS WHICH ACCOMMODATE THE ELEVATION CHANGE BY LOWERING THE CONNECTOR WITHOUT COMPROMISING THE STRUCTURAL DESIGN. ANY MINOR ADJUSTMENTS CAN BE ACCOMMODATED THROUGH THE USE OF WOODEN SHIMS AND A THIN SAND BED ON GEOTEXTILE FABRIC TO LEVEL THE GROUND SURFACE.
2. FOR HOUSE FOUNDATION UNDERLAYMENT INFORMATION, SEE DETAILS ON S-101 AND SPECIFICATION SECTION 01 53 00.

REFERENCE KEYNOTES

SHEET KEYNOTES

- | | |
|----|---|
| 62 | TEMPORARY RAMP PIER, TYP. FOR (4) |
| 63 | TEMPORARY RAMP MAT SUPPORT, TYP. FOR (4) |
| 64 | TEMPORARY BUILDING PIER, TYP. FOR (10) |
| 65 | TEMPORARY DECK PIER, TYP. FOR (62) |
| 66 | TEMPORARY WATER TANK SUPPORT FRAME, TYP. FOR (22) |



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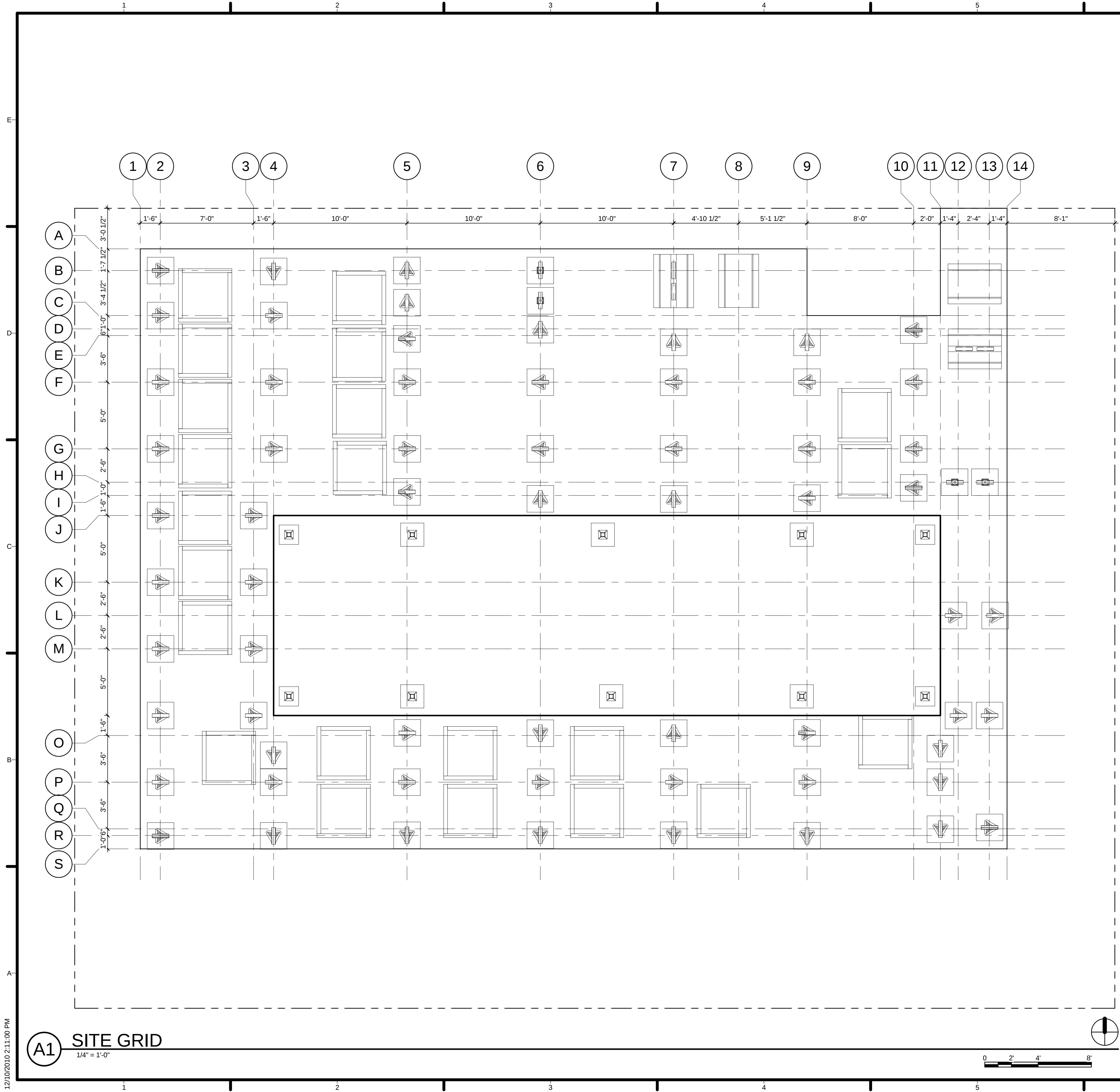
SHEET TITLE
GROUND CONTACT PLAN

C-102

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

0 2' 4' 8'

12/10/2010 2:10:50 PM



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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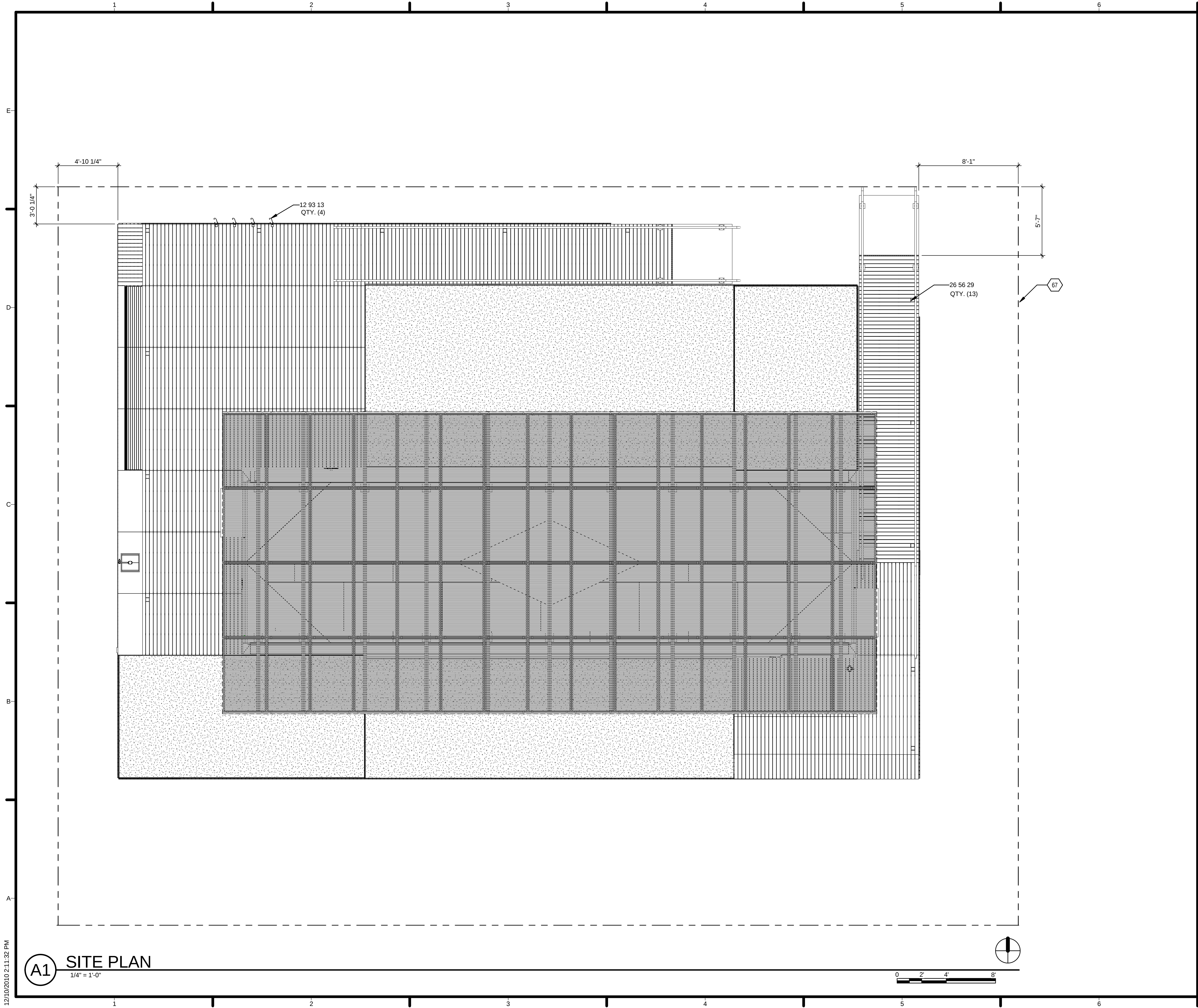
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SHEET TITLE

SITE GRID

C-103



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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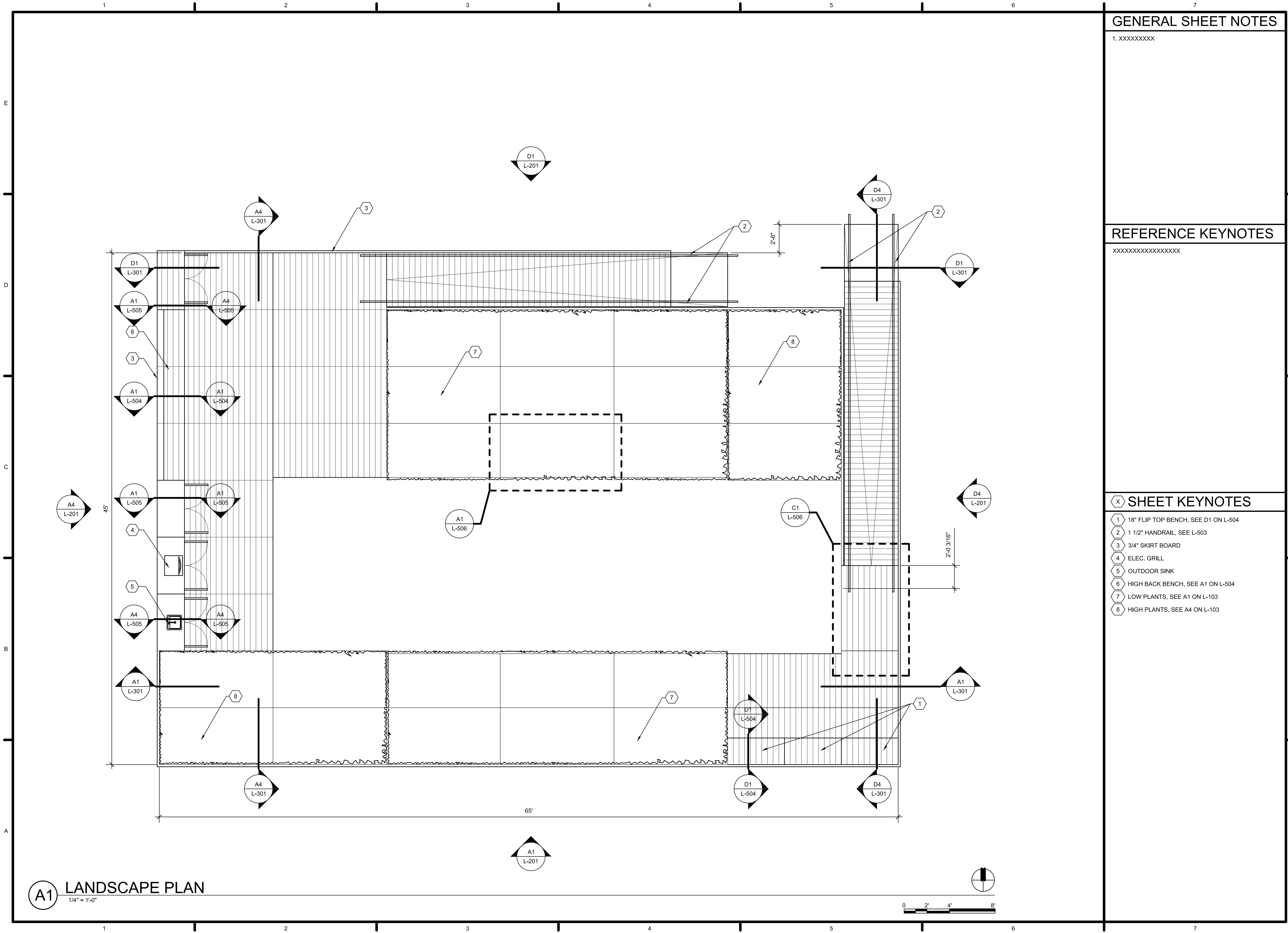
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SHEET TITLE
SITE PLAN

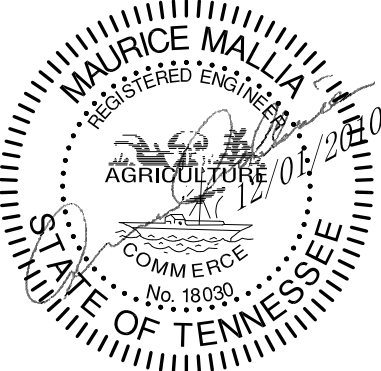
C-104

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

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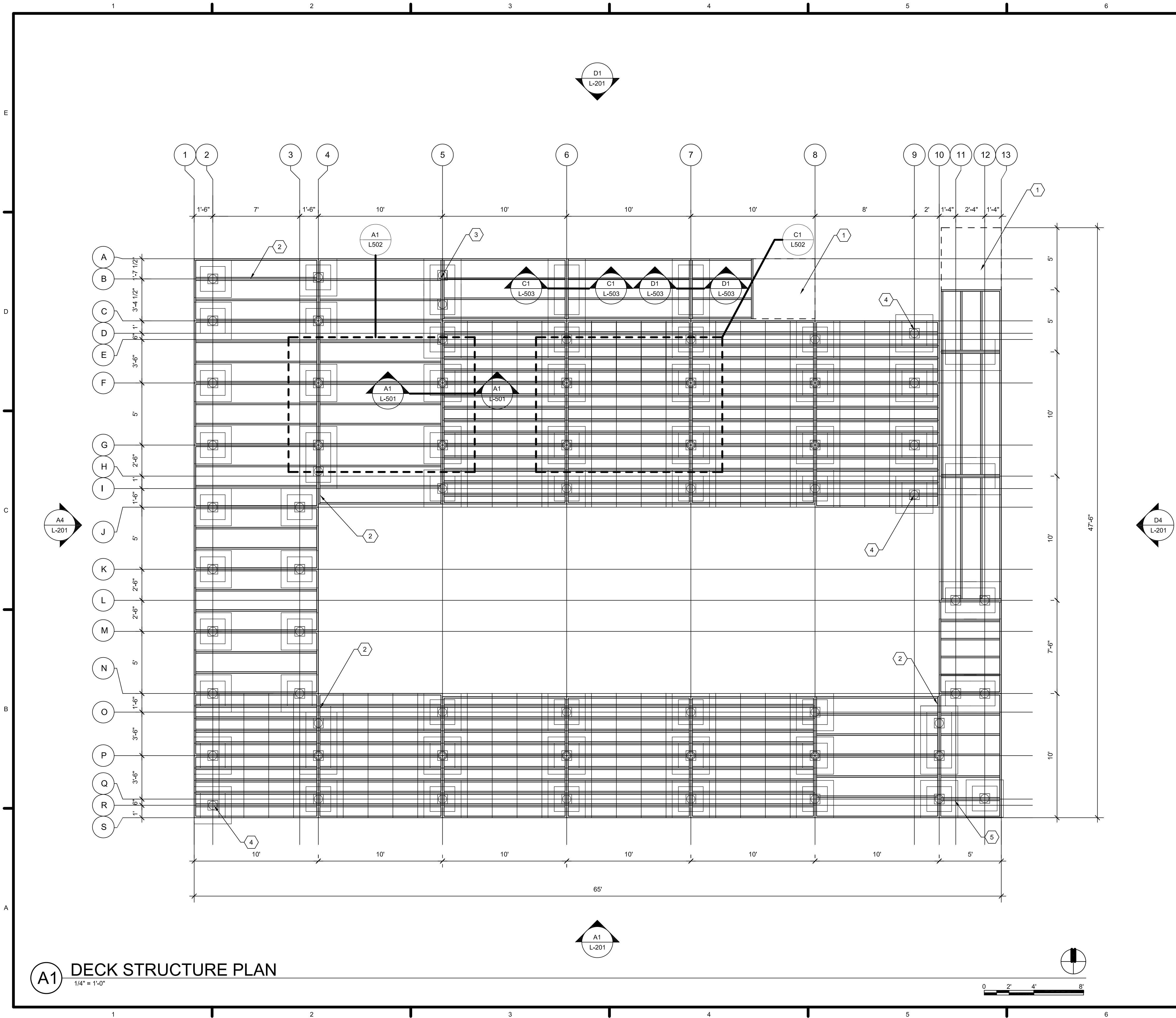
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SHEET TITLE
LANDSCAPE PLAN

L-101



GENERAL SHEET NOTES

1. XXXXXXXX

REFERENCE KEYNOTES

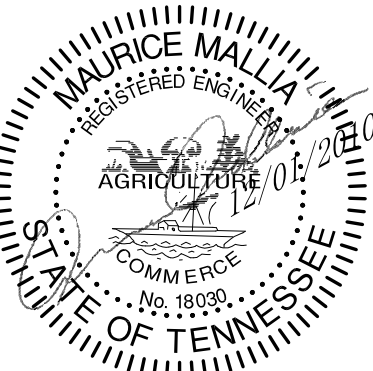
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X SHEET KEYNOTES

- 1 METAL GROUND PLATE 5'X5'
- 2 SIMPSON STRONG TIE MODEL CC0Q3
- 3 12" JACK BY PIERAMID FOUNDATION SYSTEMS
- 4 EXTRA 2X6 BLOCKING
- 5 EXTRA 2X10 BLOCKING



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SHEET TITLE
DECK
STRUCTURE
PLAN

L-102

A1 LOW PLANTER PLAN
1" = 1'-0"

[illegible]

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1. XXXXXXXXXX

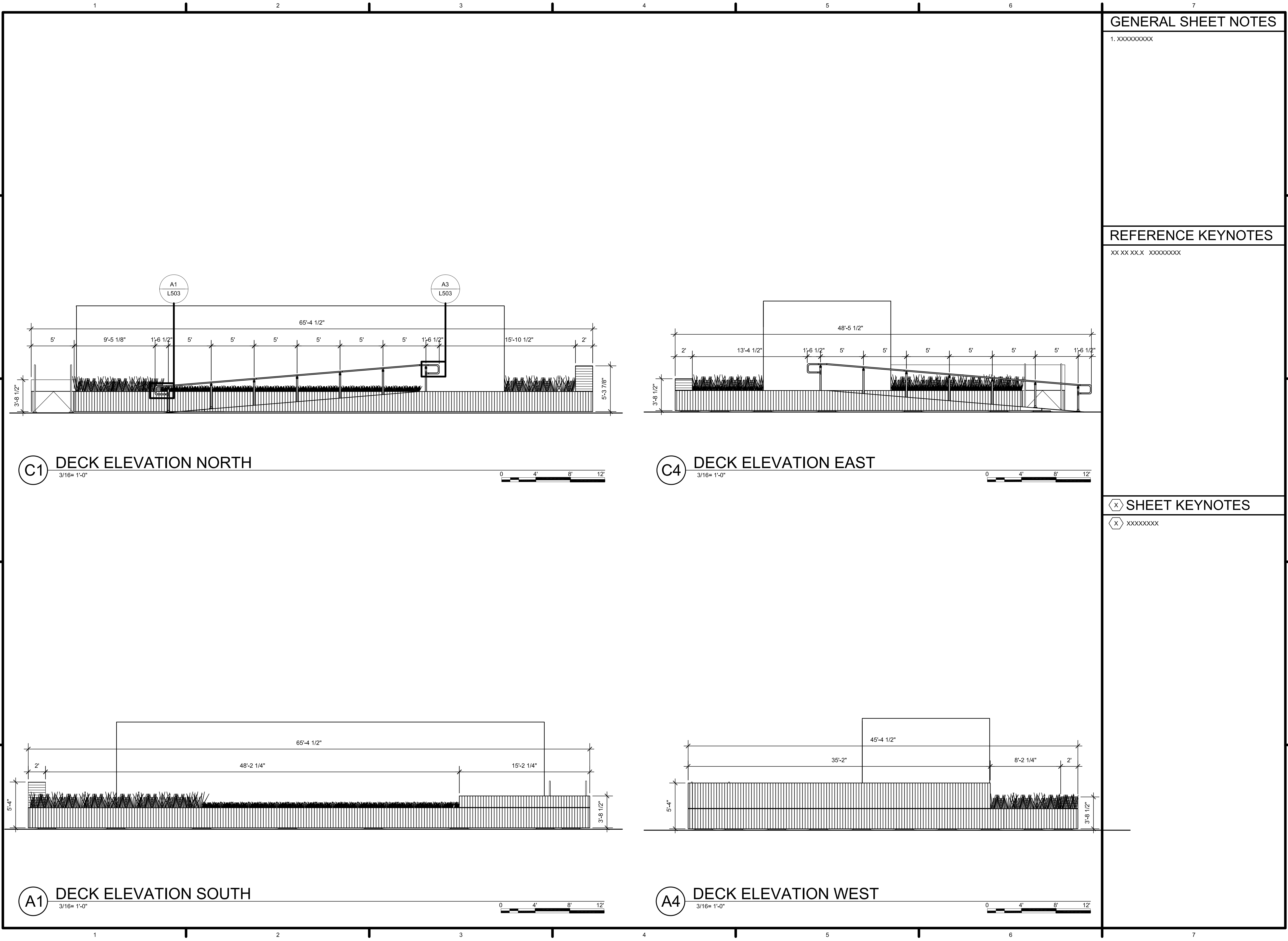
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GENERAL SHEET NOTES

1. XXXXXXXX

REFERENCE KEYNOTES

XX XX XX.X XXXXXXXX

X SHEET KEYNOTES

X XXXXXXXX



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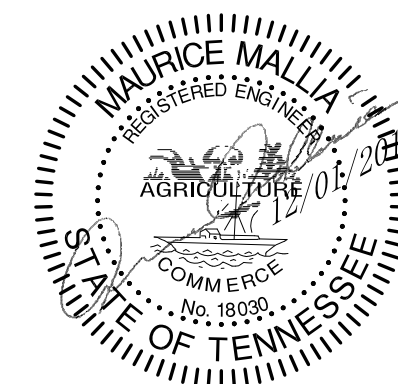
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SHEET TITLE
DECK ELEVATIONS

L-201

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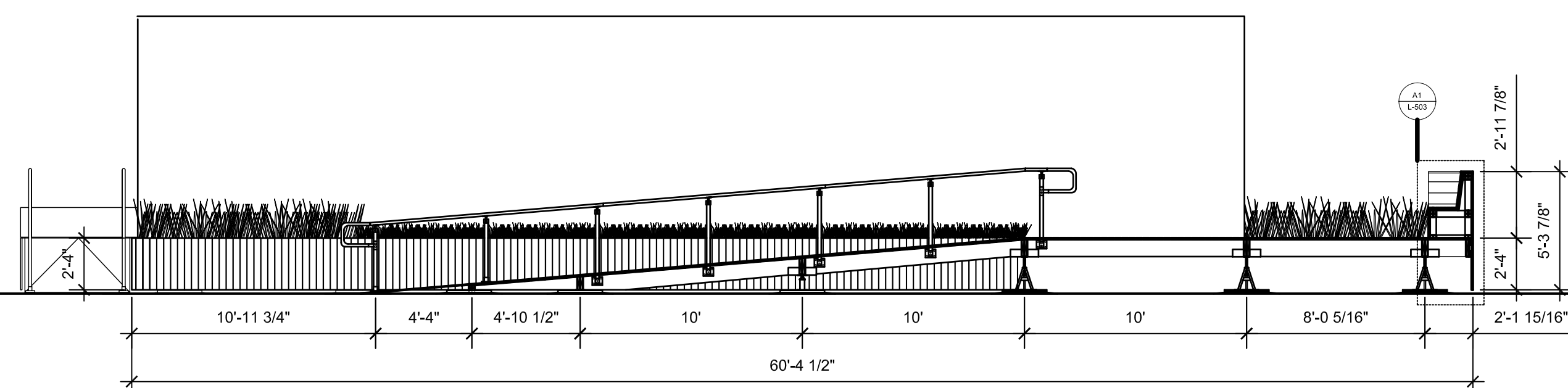
DECK SECTIONS

L-301

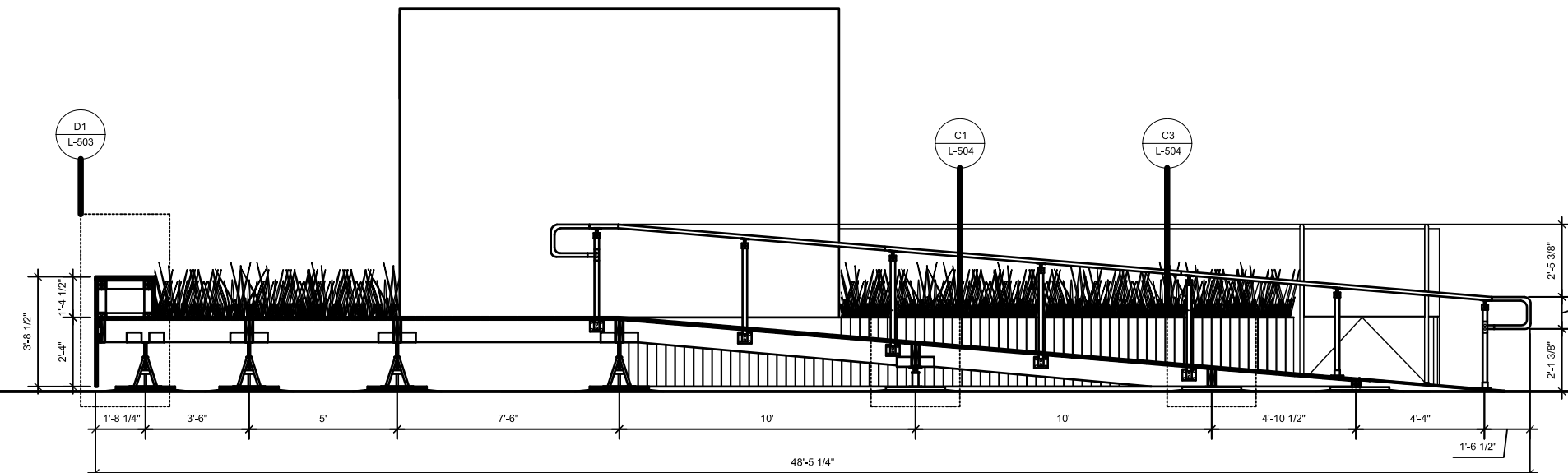
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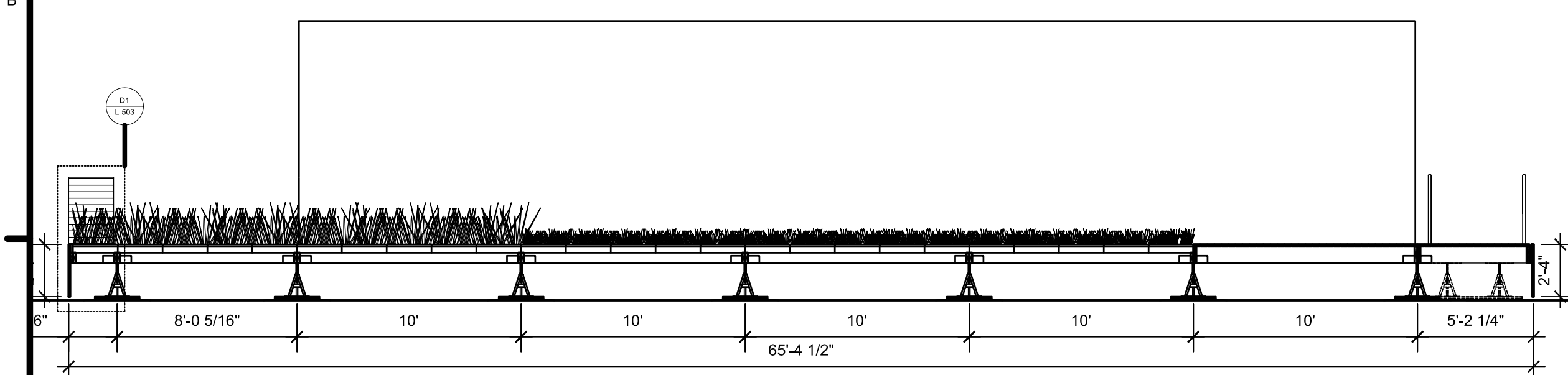
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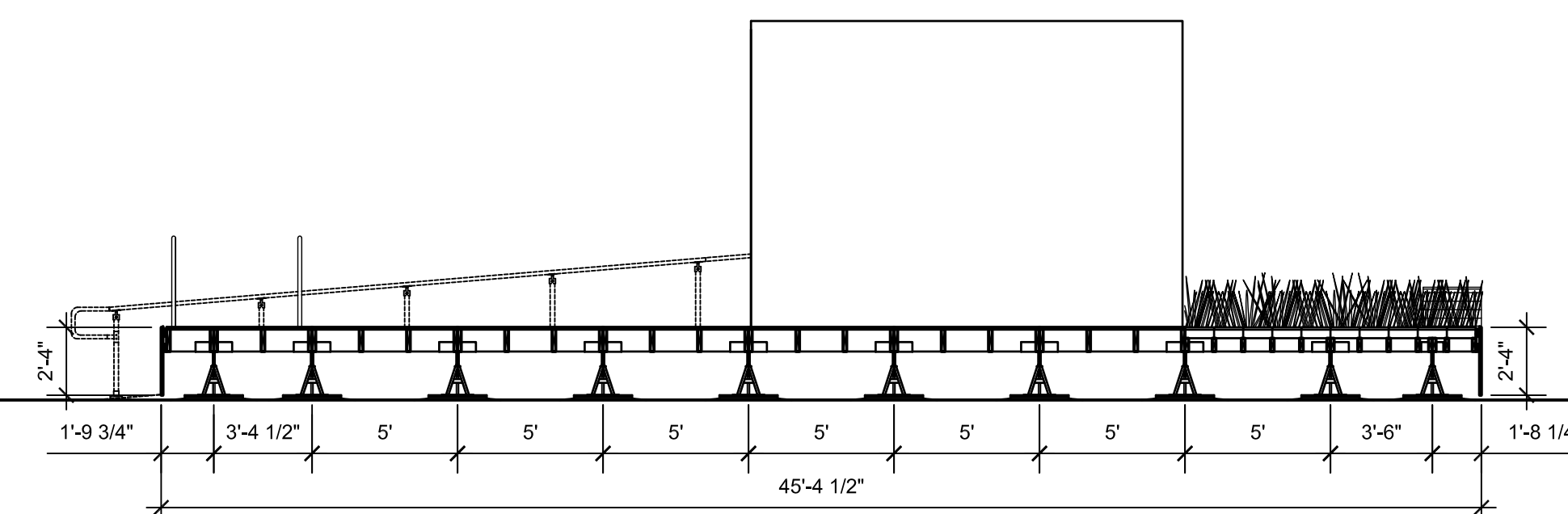
D1 ENTRY RAMP SECTION
3/16" = 1'-0"



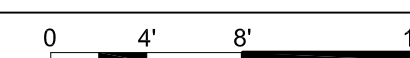
D4 EXIT RAMP SECTION
3/16" = 1'-0"

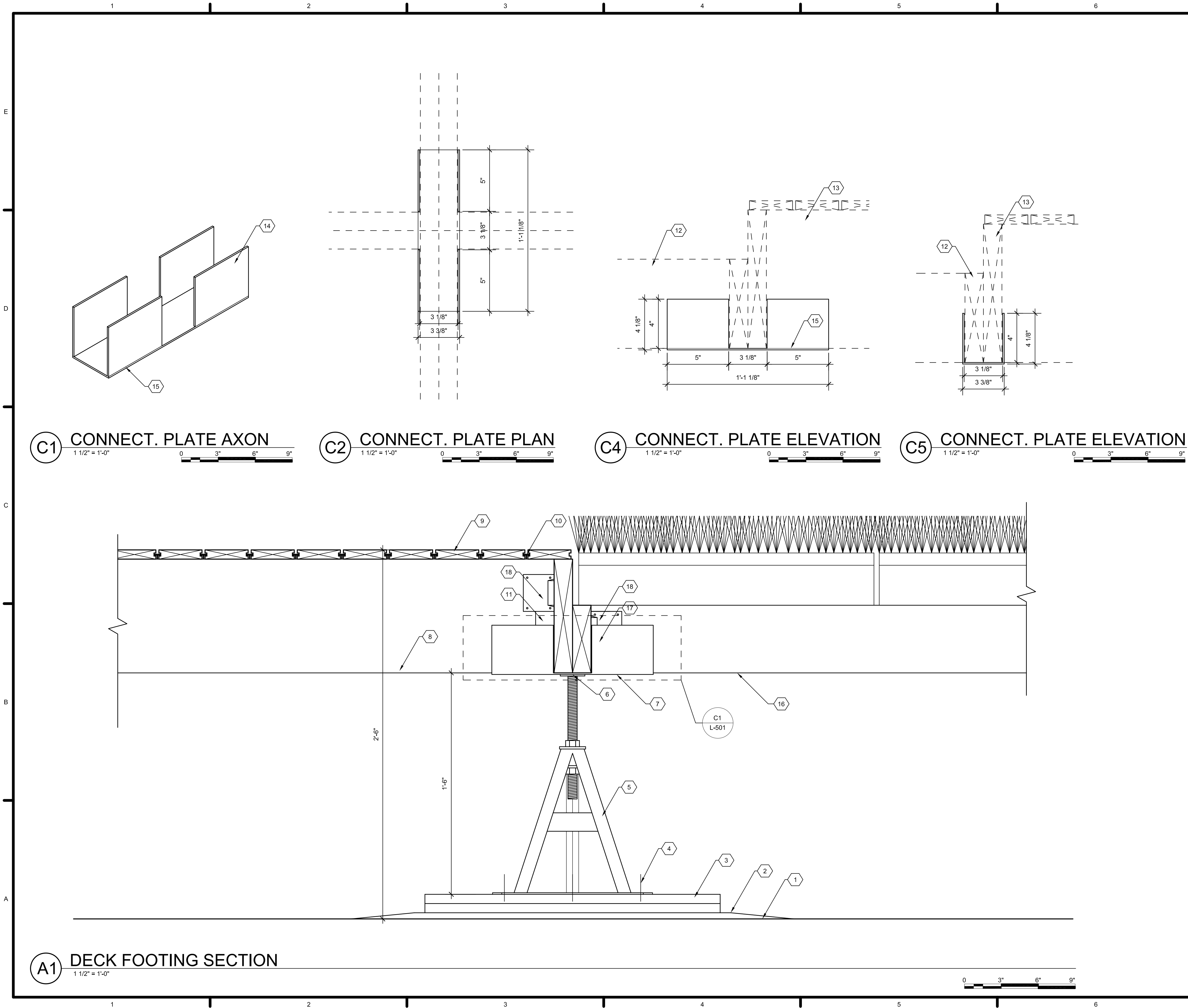


A1 LONGITUDINAL SECTION
3/16" = 1'-0"



A4 TRANSVERSE SECTION
3/16" = 1'-0"





GENERAL SHEET NOTES

1. XXXXXXXXX

REFERENCE KEYNOTES

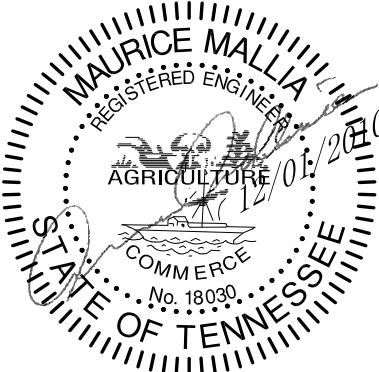
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X SHEET KEYNOTES

- 1 GEO TEXTILE MAT
- 2 1/2" SAND
- 3 2 LAYERS 3/4" 2'X2' PLYWOOD (2X8 BLOCKING CROSS STACKED UNDER AS NEEDED)
- 4 4 CONNECTION BOLTS
- 5 12" JACK BY PIERAMID FOUNDATION SYSTEMS.
- 6 WELDED CONNECTION
- 7 FABRICATED CONNECTION PLATE (SEE C1-5 ON L-501)
- 8 2X10 NO. 2 SOUTHERN PINE FRICTION FIT
- 9 1X4 WHITE ASH DECKING
- 10 EXTREME KD FASTENER BY IPE CLIP FASTENER COMPANY (TYP.)
- 11 LUC210Z BY SIMPSON STRONG TIE (4 CORNERS)
- 12 2X6 PLANTER CONDITION
- 13 2X10 DECK CONDITION
- 14 11 GAUGE STEEL
- 15 1/8" TACK WELD AT 2" LENGTH (2 ON VERT. PLATE)
- 16 2X6 NO.2 SOUTHERN PINE TYP.
- 17 LUC26Z BY SIMPSON STRONG TIE (BEHIND)
- 18 HGAM10KTA BY SIMPSON STRONG TIE (4 CORNERS)



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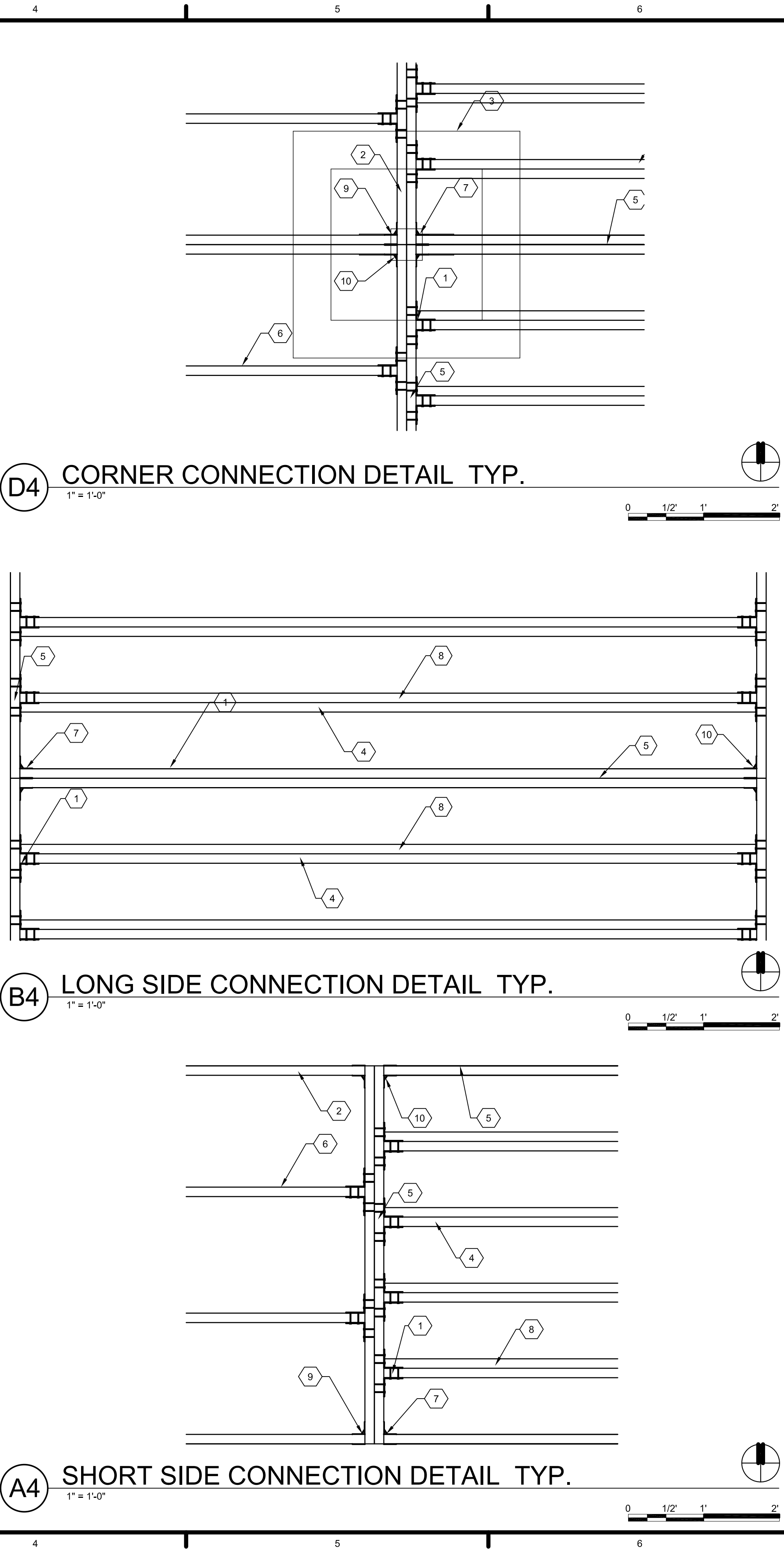
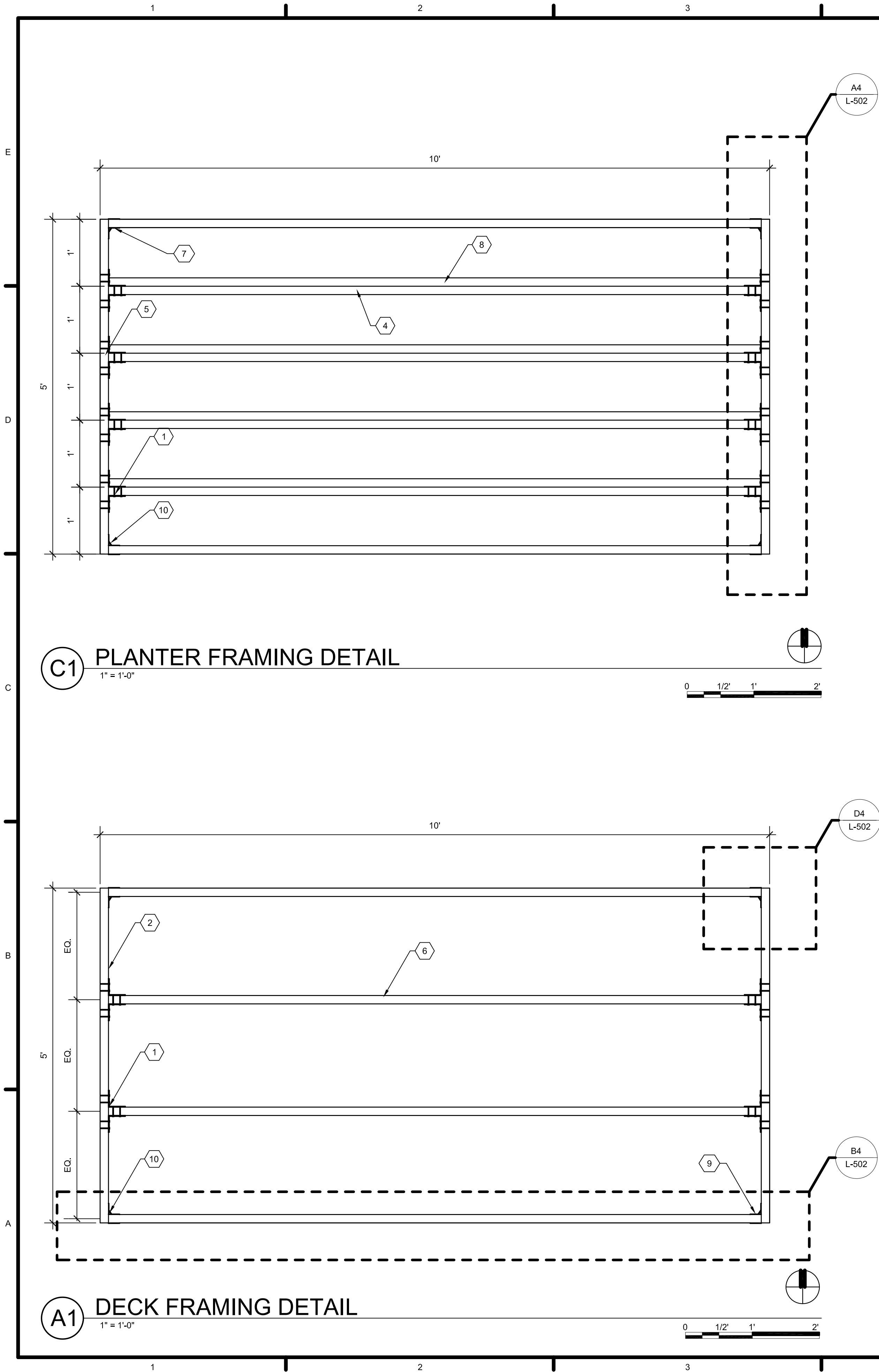
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SHEET TITLE
FOUNDATION
SUPPORT

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GENERAL SHEET NOTES

1. XXXXXXXX

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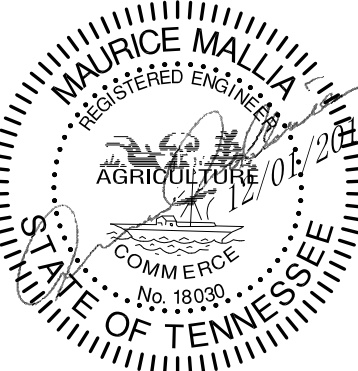
PLANTER WIDTH VARIES. SEE A1-L102 FOR MORE INFORMATION.

SHEET KEYNOTES

- 1 HU210 BY SIMPSON STRONG TIE (TYP.)
- 2 2X10 NO. 2 SOUTHERN PINE DECK FRAME (TYP.)
- 3 DECK FOOTING (SEE A1 ON L-501)
- 4 2X6 NO. 2 SOUTHERN PINE PLANTER JOISTS (TYP.)
- 5 2X6 NO. 2 SOUTHERN PINE PLANTER FRAME (TYP.)
- 6 2X10 NO. 2 SOUTHERN PINE DECKING JOISTS (TYP.)
- 7 LUC26Z BY SIMPSON STRONG TIE (4 CORNERS)
- 8 2X2 TRAY SUPPORT NAILED TO 2X6 JOISTS
- 9 LUC210Z BY SIMPSON STRONG TIE (4 CORNERS)
- 10 HGAM10KTA BY SIMPSON STRONG TIE (4 CORNERS)



TEAM NAME: LIVING LIGHT
ADDRESS: ART + ARCHITECTURE BUILDING
1715 VOLUNTEER BLVD., RM 313
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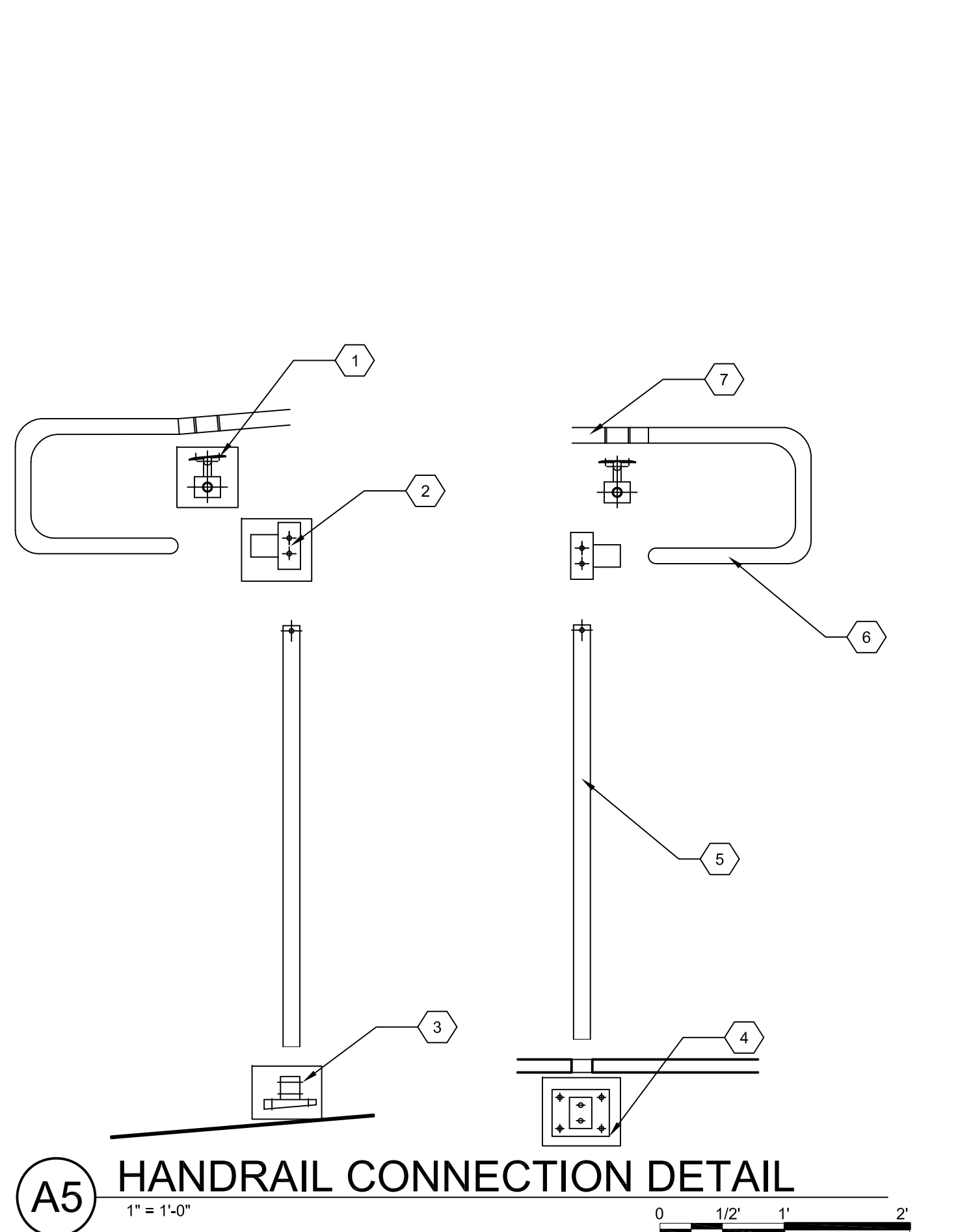
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SHEET TITLE
DECK
FRAMING
DETAIL

L-502





0 1/2" 1' 1 1/2'



0 1/2" 1' 1 mi



0 1/2" 1' 1 1/2'

E



LIVING LIGHT

CONSULTANTS

D

XXXXXXXXXX



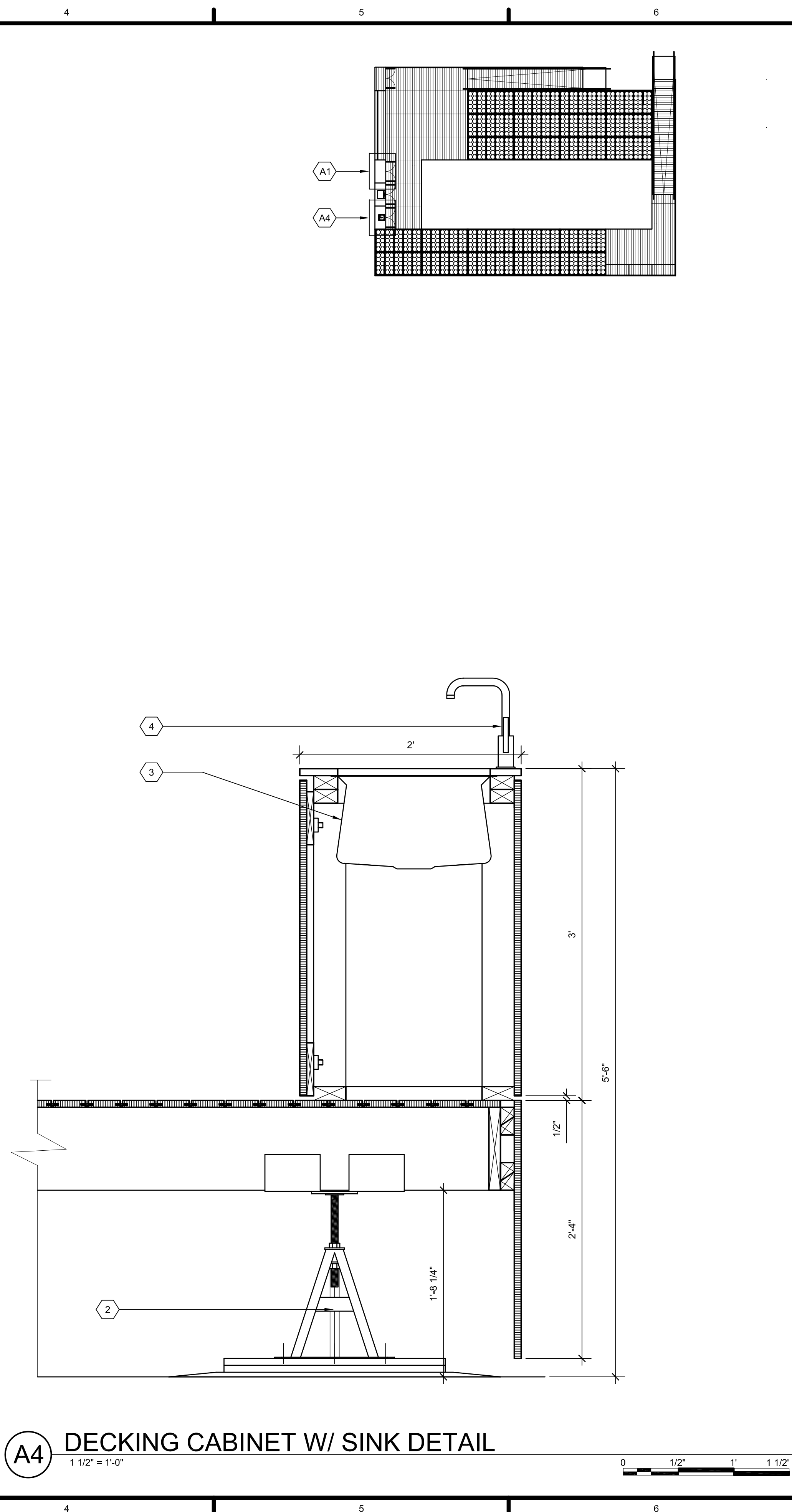
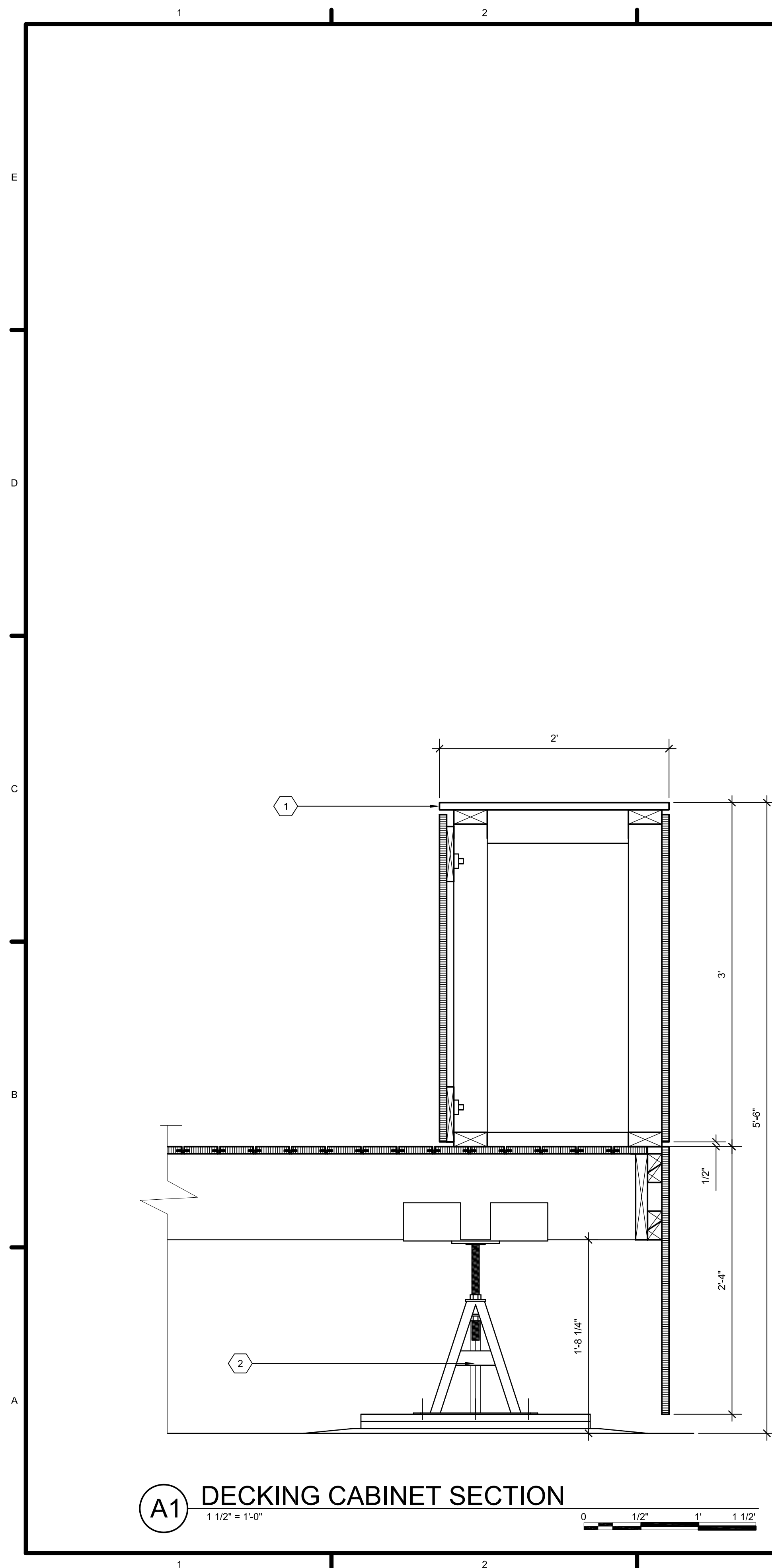
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A

L-504



GENERAL SHEET NOTES

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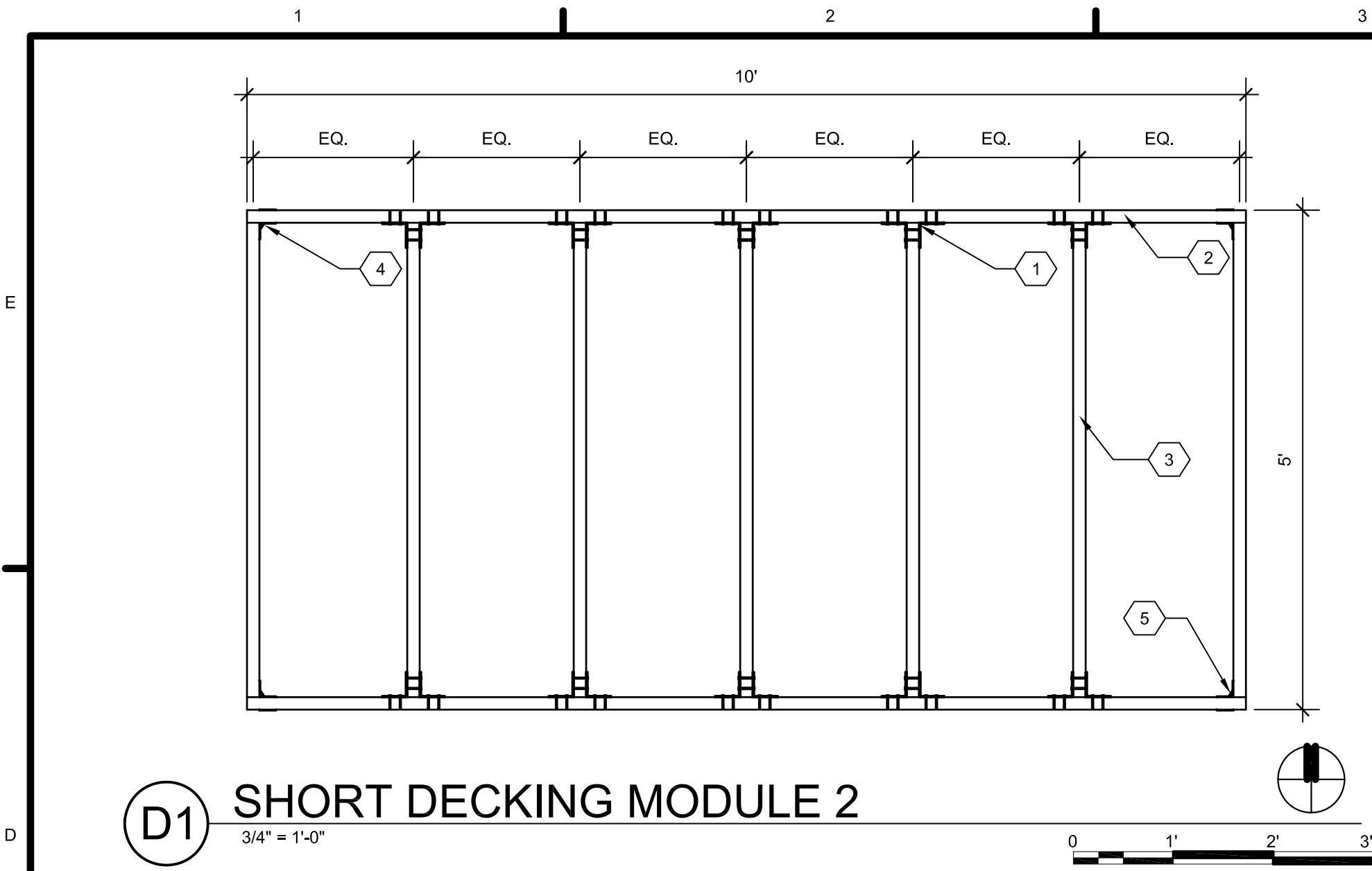
REFERENCE KEYNOTES

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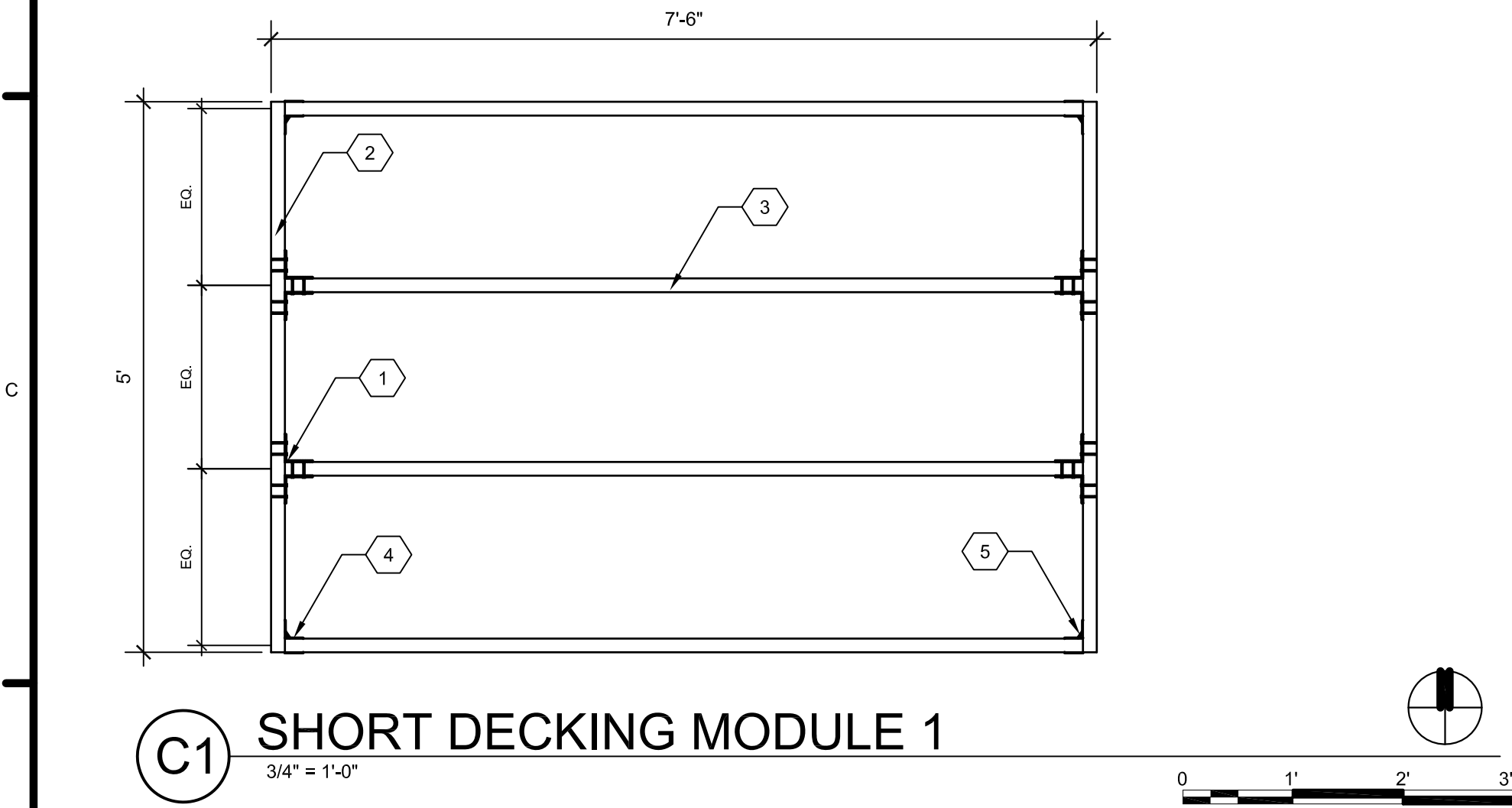
- 1 COUNTER TOP SIM. TO INTERIOR COUNTER
- 2 12" JACK BY PIERAMID FOUNDATION SYSTEMS
- 3 SINK MODEL KOHLER K-3671
- 4 FAUCET MODEL KOHLER K-7507-CP 6"

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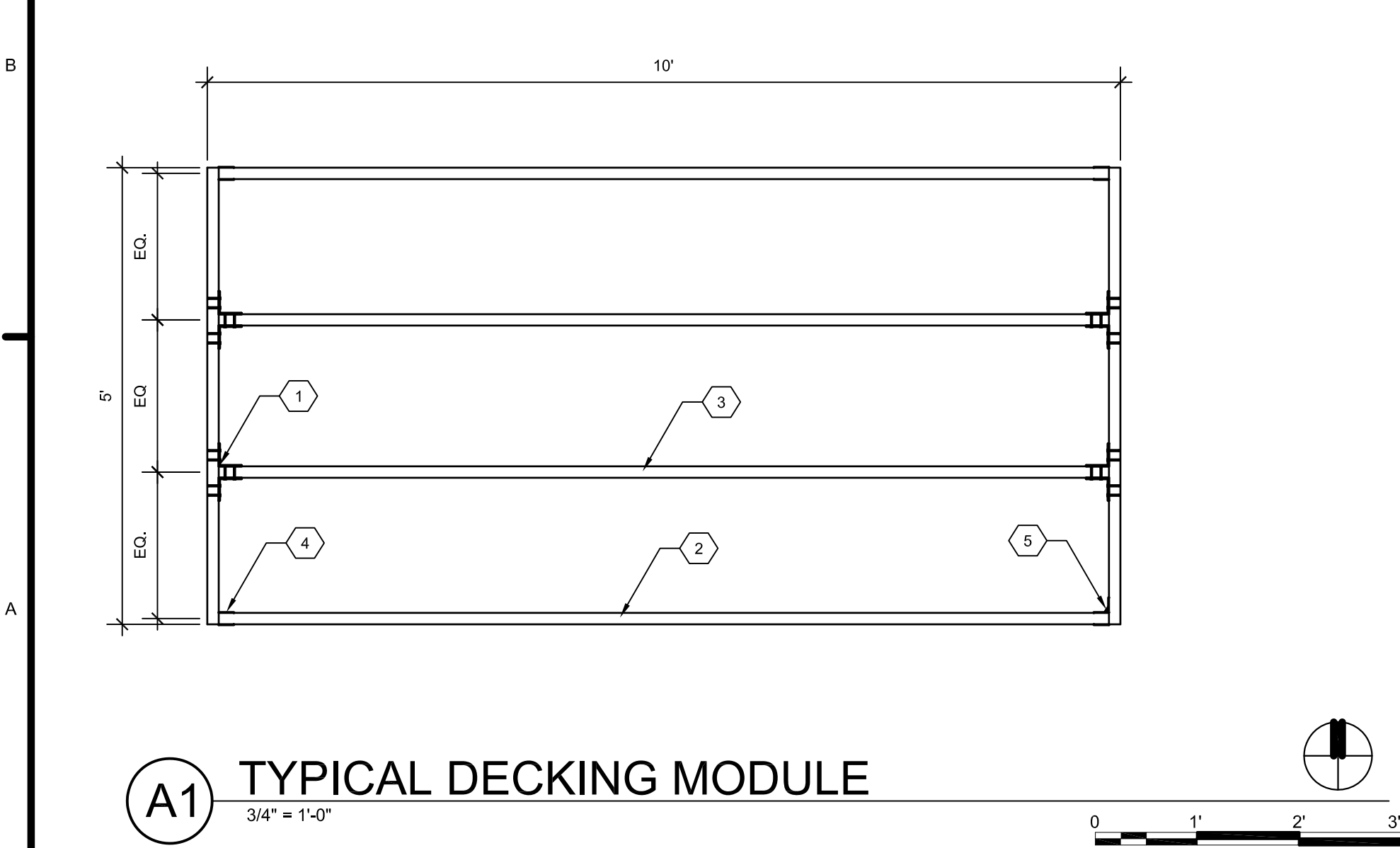
D1 SHORT DECKING MODULE 2

3/4" = 1'-0"



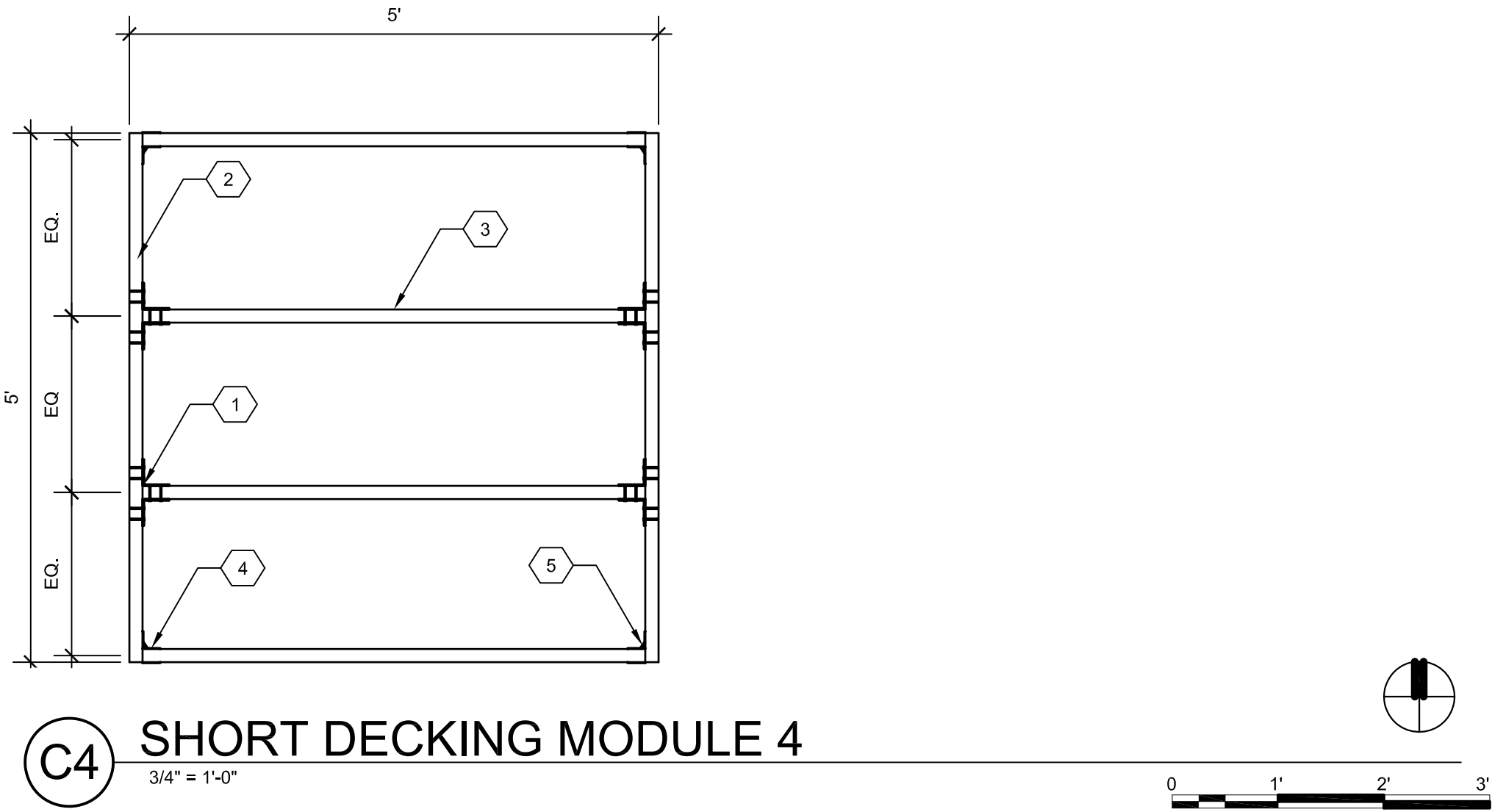
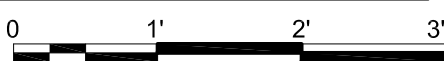
C1 SHORT DECKING MODULE 1

3/4" = 1'-0"



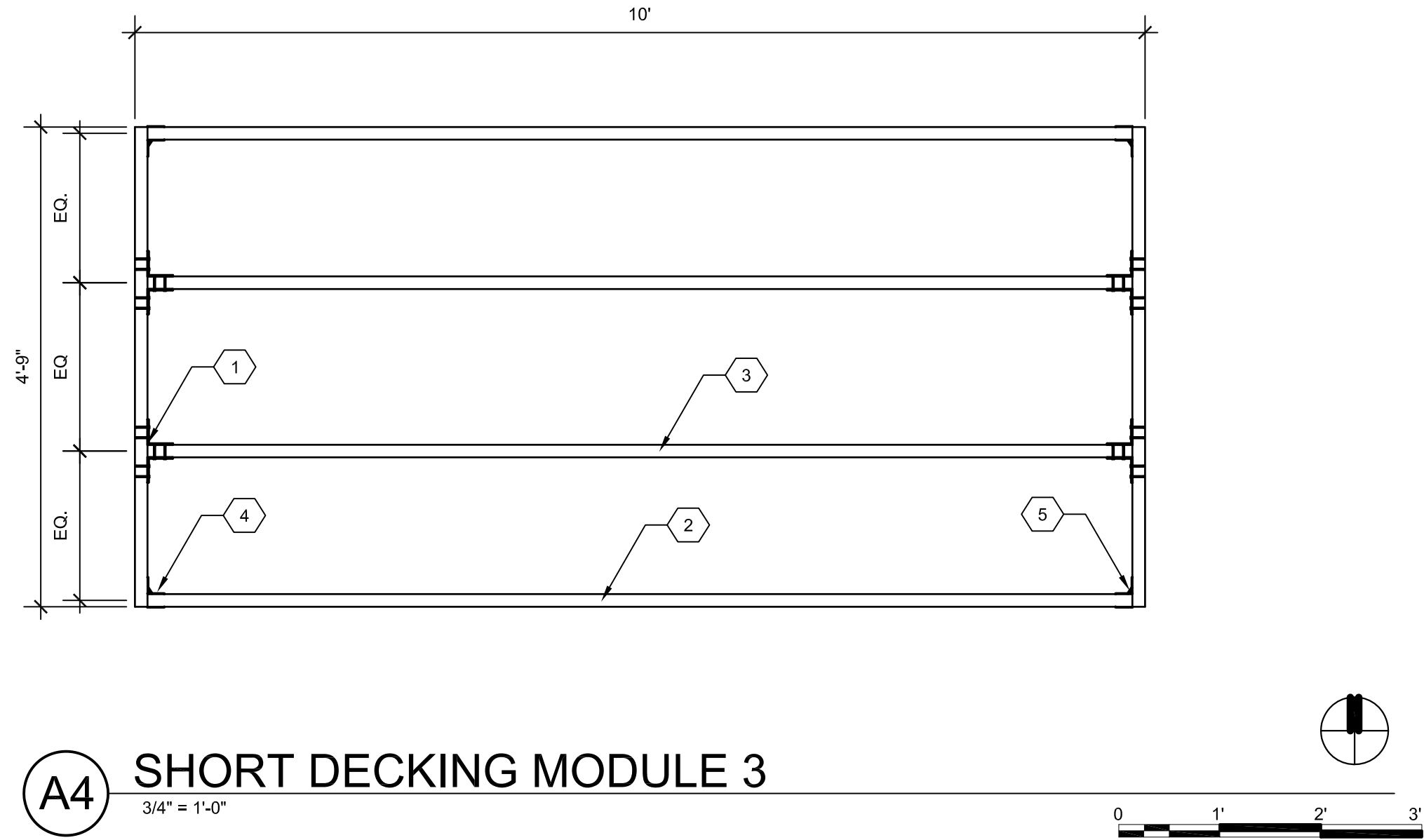
A1 TYPICAL DECKING MODULE

3/4" = 1'-0"



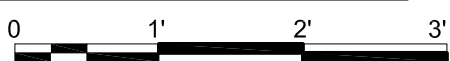
C4 SHORT DECKING MODULE 4

3/4" = 1'-0"



A4 SHORT DECKING MODULE 3

3/4" = 1'-0"



GENERAL SHEET NOTES

1. XXXXXXXXX

REFERENCE KEYNOTES

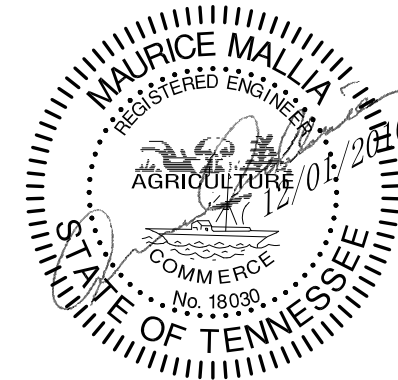
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SHEET KEYNOTES

- 1 HU210 BY SIMPSON STRONG TIE (TYP.)
- 2 2X10 NO. 2 SOUTHERN PINE DECK FRAME (TYP.)
- 3 2X10 NO. 2 SOUTHERN PINE DECKING JOISTS (TYP.)
- 4 LU210Z BY SIMPSON STRONG TIE (4 CORNERS)
- 5 HGAM10KTA BY SIMPSON STRONG TIE (4 CORNERS)



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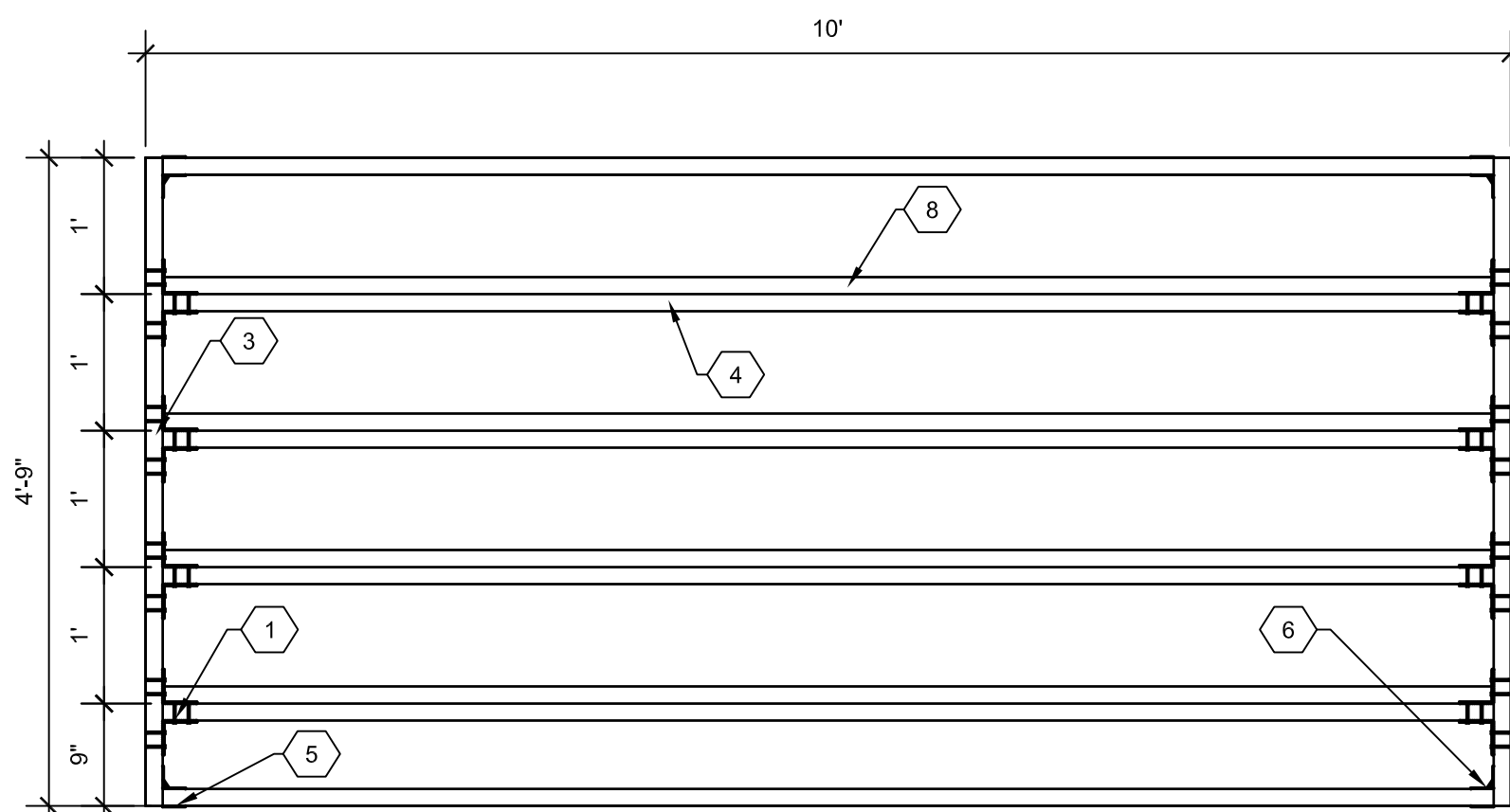
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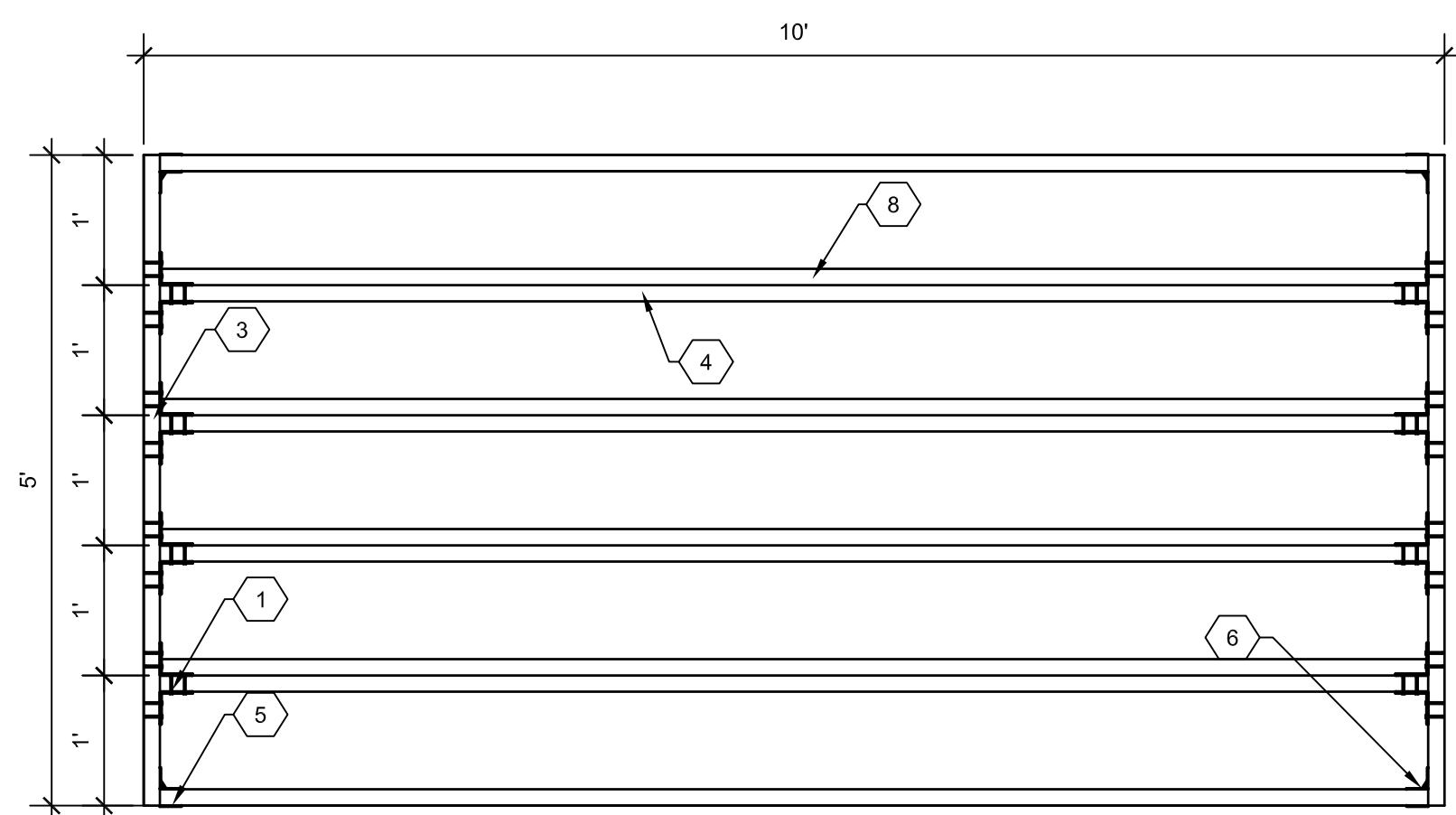
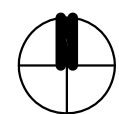
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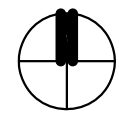
L-506



C1 THIN PLANTER MODULE
3/4" = 1'-0"



A1 TYPICAL PLANTER MODULE



GENERAL SHEET NOTES

1. XXXXXXXXXX

REFERENCE KEYNOTES

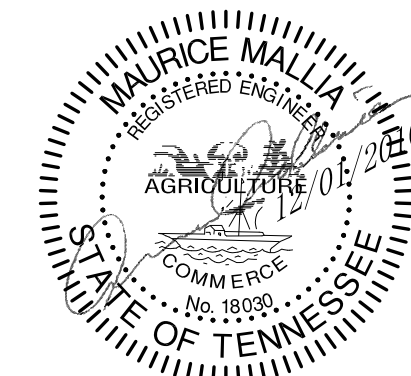
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 SHEET KEYNOTES

- | | |
|---|---|
| 1 | HU210 BY SIMPSON STRONG TIE (TYP.) |
| 2 | 2X6 NO. 2 SOUTHERN PINE PLANTER JOISTS (TYP.) |
| 3 | 2X6 NO. 2 SOUTHERN PINE PLANTER FRAME (TYP.) |
| 4 | 2X2 NO. 2 SOUTHERN PINE CLEAT (TYP.) |
| 5 | LUC262Z BY SIMPSON STRONG TIE (4 CORNERS) |
| 6 | HGAM10KTA BY SIMPSON STRONG TIE (4 CORNERS) |



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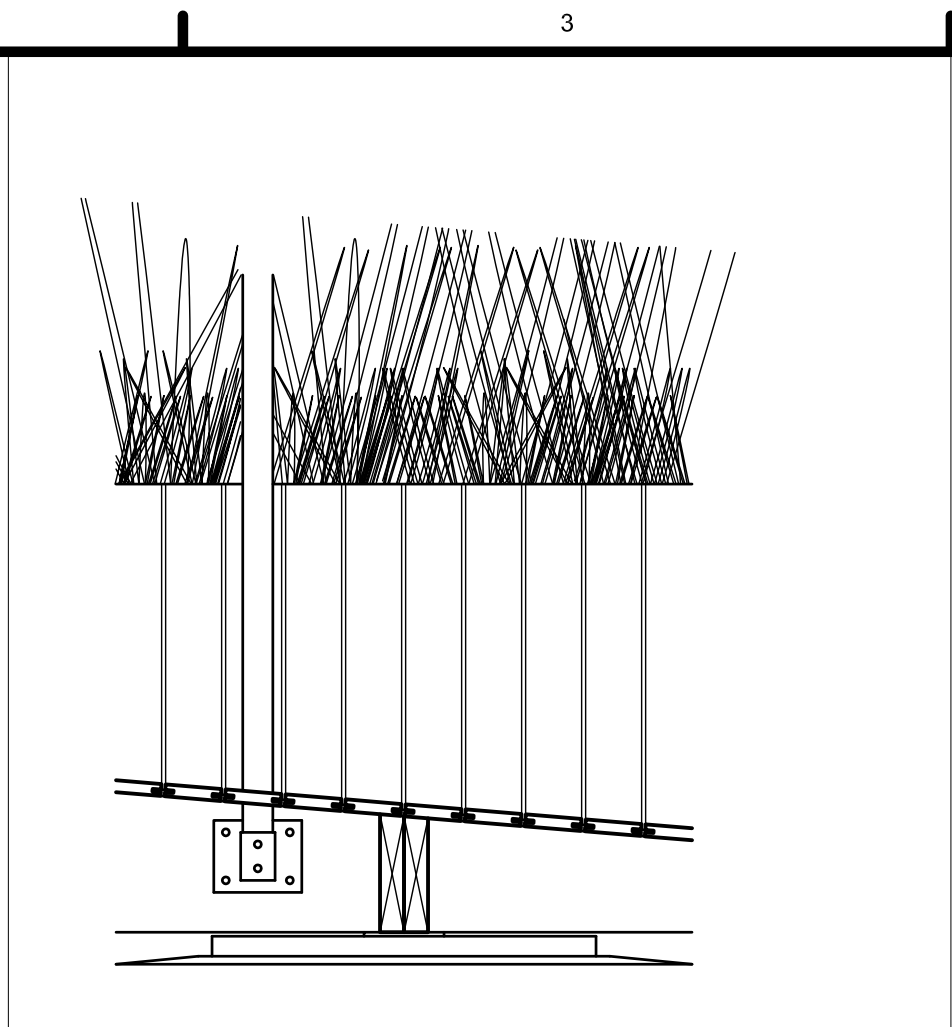
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PLANTER MODULE DETAILS

L-507



(D2) RAMP FOOTING CONDITION 2

1" = 1'-0"

0 1' 2' 3'

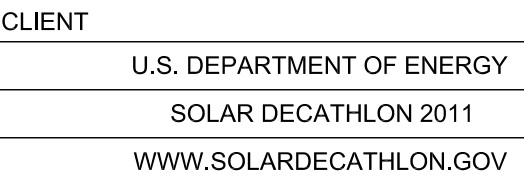
DECK WOOD SCHEDULE			
TYPE	DIMENSIONS	LENGTH	NUMBER
NO. 2 SOUTH. PINE	2X10	9'-9"	71
		7'-3"	2
		4'-9"	22
		5'-0"	26
		4'-10"	12
	2X6	9'-9"	135
		5'-0"	32
		4'-9"	12
	2x2	9'-9"	88
	2X4	5'-0"	69
		2'-0"	64
		3'-0"	35
		1'-6"	27
	1X4	10'-0"	34
		5'-0"	26
		7'-6"	2
		2'-0"	9
		1'-3"	9
WHITE ASH	1X4	5'-0"	576
		2'-4"	599
		7'-6"	16
		10'-0"	16
		2'-10"	192
		2'-0"	45
		1'-4"	102
	1X8	5'-0"	3
	1X2	5'-0"	75
PLYWOOD	3/4"	2'X2'	104
		2'X4'	20
STRUCTURE WOOD CRIBBING			
NO.2 SOUTH. PINE	4x4	1'-9"	72
		1'-2"	32
PLYWOOD	3/4"	1'9"X1'9"	48
		1'2"X1'2"	16

A4 DECK WOOD SCHEDULE

1. XXXXXXXXXXXX

XX XX XX.X XXXXXXXX

XXXXXXX



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DECK SCHEDULES

L-601

	1	2	3	4	5	6	7
E	GENERAL						
	1. ALL CONTRACTORS SHALL CONFORM TO THE SAFETY REQUIREMENTS OF THE OWNER, AIA DOCUMENT A201, OSHA SAFETY AND HEALTH STANDARDS, AND ANY OTHER LOCAL AUTHORITY IN CONNECTION WITH THE PROJECT.			5. SEISMIC DESIGN DATA			
	2. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL CONSTRUCTION IS COMPLETED.			INTERNATIONAL BUILDING CODE CRITERIA			
D	COLD-FORMED METAL			MAXIMUM SEISMIC SPECTRAL ACCELERATION AT 0.2 SECONDS, S _s - 1.0			
	1. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS. SCREWS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED.			MAXIMUM SEISMIC SPECTRAL ACCELERATION AT 1.0 SECONDS, S ₁ - 0.3			
	2. SPLICES IN STUDS SHALL NOT BE PERMITTED UNLESS DESIGNED BY A PROFESSIONAL ENGINEER AND SUBMITTED FOR REVIEW.			DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT SHORT PERIOD, SDS - 0.676			
C	MISCELLANEOUS			DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT 1-SECOND PERIOD, SD1 - .3			
	1. FOR LOCATION OF MISCELLANEOUS ITEMS (SUCH AS OPENINGS, INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.			IMPORTANCE FACTOR, IE - 1.0			
	STRUCTURAL DESIGN CRITERIA			SITE CLASS - C			
B	1. ALL CONSTRUCTION SHALL CONFORM TO THE 2006 INTERNATIONAL BUILDING CODE.			OCCUPANCY CATEGORY - II			
	2. SERVICE DESIGN LIVE LOADS ARE AS FOLLOWS:			SEISMIC DESIGN CATEGORY - D			
	FLOORS: 50 PSF ROOF: 20 PSF HANDRAILS: 50 PLF 50 PLF HORIZONTALLY AT THE REQUIRED HEIGHT SIMULTANEOUS WITH 100 PLF VERTICAL LOAD 200 LB APPLIED AT ANY POINT IN ANY DIRECTION			SEISMIC RESPONSE COEFFICIENT, CS - .208			
A	3. SNOW LOADS ARE AS FOLLOWS:			DESIGN BASE SHEAR, V - 17K			
	GROUND SNOW LOAD P _g - 15 PSF FLAT ROOF SNOW LOAD P _f - 15 PSF SNOW EXPOSURE FACTOR C _e - 0.9 IMPORTANCE FACTOR I _s - 1 THERMAL FACTOR C _t - 1			RESPONSE MODIFICATION FACTOR, R - 3 1/4			
	4. WIND DESIGN DATA			SYSTEM OVERSTRENGTH FACTOR, - 2			
	BASIC WIND SPEED - 90 MPH IMPORTANCE FACTOR, I _w - 1.0 EXPOSURE CATEGORY C			DEFLECTION AMPLIFICATION FACTOR, C _d - 3 1/4			
				BUILDING FRAME ORDINARY STEEL CONCENTRICALLY BRACED FRAME			
				ANALYSIS BY: EQUIVALENT LATERAL FORCE PROCEDURE			
				NOT APPLICABLE FOR THE FOLLOWING COUNTIES IN TENNESSEE: LAKE, OBION, WEAKLEY, HENRY, DYER, GIBSON, CARROLL, LAUDERDALE, CROCKETT, HAYWOOD, MADISON, TIPTON, SHELBY AND FAYETTE COUNTIES.			
				WOOD			
				1. WOOD MEMBERS SHALL MEET THE FOLLOWING SPECIFICATIONS IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION" (LATEST EDITION).			
				A. ROOF DECK: 1/2" MINIMUM APA RATED SHEATHING EXPOSURE 1			
				B. STRUCTURAL FLOOR DECK: 3/4" O.S.B. T&G APA RATED STURD-I-FLOOR.			
				2. SILL PLATES SHALL BE MADE OF TREATED WOOD.			
				FOUNDATION			
				1. GROUND SUPPORTS WERE DESIGNED FOR A MAXIMUM ALLOWABLE BEARING PRESSURE OF 1500 PSF AND A MINIMUM ALLOWABLE BEARING PRESSURE OF 1000 PSF. ALL SUPPORTS SHALL BEAR ON UNDISTURBED GROUND UNLESS OTHERWISE NOTED.			



TEAM NAME:

TENN

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ROSS BRYAN ASSOCIATES, INC.
CONSULTING STRUCTURAL ENGINEERS
227 French Landing Drive
Knoxville, Tennessee 37228
Phone 16151 329-1300
Fax 16151 327-4446
www.rossbryan.com



W. MICHAEL PARIS
REGISTERED ENGINEER
No. 104374
10/25/10
STATE OF TENNESSEE

U.S. DEPARTMENT OF ENERGY

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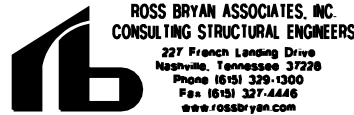
	1	2	3	4	5	6	7
E	STRUCTURAL STEEL						
	1.	ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE 13TH EDITION OF THE "STEEL CONSTRUCTION MANUAL" OF THE A.I.S.C. WITH THE FOLLOWING EXCEPTIONS: DELETE SECTIONS 3.2 OF CODE OF STANDARD PRACTICES FOR STEEL BUILDINGS AND BRIDGES AND INSERT THE FOLLOWING: "ARCHITECTURAL, ELECTRICAL AND/OR MECHANICAL DESIGN DRAWINGS SHALL BE USED TO SUPPLEMENT THE STRUCTURAL DESIGN DRAWINGS FOR THE PURPOSES OF DEFINING DETAIL CONFIGURATIONS, ADDITIONAL STRUCTURAL FRAMING NOT SHOWN ON THE STRUCTURAL DRAWINGS, AND OTHER INFORMATION REQUIRED".					
	2.	ALL REACTIONS AND LOADS SHOWN ON THESE DRAWINGS ARE FACTORED.					
	3.	FABRICATORS SHALL MAINTAIN CERTIFICATION FOR CATEGORY STANDARD BY THE A.I.S.C. QUALITY CERTIFICATION PROGRAM. ERECTORS SHALL MAINTAIN CERTIFICATION FOR CATEGORY (CHOOSE CSE OR ACSE) BY THE A.I.S.C.CERTIFICATION PROGRAM.					
D	4.	SHOP DRAWINGS FOR ALL STRUCTURAL STEEL SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY FABRICATION. REPRODUCTION OF CONTRACT DRAWINGS IS NOT PERMITTED.					
	5.	ALL CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE STEEL FABRICATOR. ALL CONNECTIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TENNESSEE AND ENGAGED BY THE STEEL FABRICATOR. FACTORED LOADS AT THE CONNECTIONS ARE SHOWN ON THE STRUCTURAL PLANS OR WILL BE PROVIDED BY THE STRUCTURAL ENGINEER OF RECORD UPON REQUEST. THE STEEL FABRICATOR'S CONNECTION DESIGNER SHALL SUBMIT CALCULATIONS TO THE STRUCTURAL ENGINEER OF RECORD FOR HIS REVIEW. THE CALCULATIONS SHALL BE STAMPED WITH THE PROFESSIONAL REGISTRATION OF THE CONNECTION DESIGNER. THE CONNECTION DESIGNER SHALL REVIEW AND STAMP ALL SHOP DRAWINGS CONCERNING HIS CONNECTION DESIGNS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD AFTER THEY HAVE BEEN STAMPED APPROVED BY THE GENERAL CONTRACTOR AND AFTER THE CONNECTION DESIGNER HAS REVIEWED AND STAMPED THE SHOP DRAWINGS WITH HIS PROFESSIONAL REGISTRATION.					
C	6.	SHEAR CONNECTIONS FOR ALL COMPOSITE AND NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR THE REACTION SHOWN ON THE PLAN. IF NO REACTION IS SHOWN ON THE PLAN, SHEAR CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR THE LOAD CAPACITY OF A SIMPLE SPAN BEAM WITH CONTINUOUS LATERAL SUPPORT.					
	7.	SHOULD BOLTED CONNECTIONS BE CHOSEN TO SPLICE TRUSS MEMBERS, THE CONNECTIONS SHALL BE DESIGNED AS SLIP CRITICAL.					
B	8.	STRUCTURAL STEEL SHALL MEET THE FOLLOWING ASTM SPECIFICATIONS:					
		* STRUCTURAL PIPE:					
		* WALL THICKNESS: >0.625, A53 TYPE E OR S, GRADE B					
		* WALL THICKNESS: <0.625, A500, GRADE B					
		* STRUCTURAL TUBE: A500 GRADE B					
		* STEEL WIDE FLANGE SECTIONS: A992, GRADE 50 UNLESS GRADE 65 IS NOTED ON THE DRAWINGS					
		* COLUMN BASE PLATES: UP TO 4" THICK - A572, GRADE 50					
		OVER 4" THICK - A572, GRADE 42					
		* ALL OTHER FRAMING UNLESS NOTED OTHERWISE ON CONTRACT DOCUMENTS: A36.					
A							
	9.	STEEL FRAMING CONNECTIONS SHALL BE BOLTED OR WELDED. BOLTS SHALL BE A MINIMUM OF 3/4" DIAMETER ASTM A325 OR AS INDICATED ON THE DRAWINGS. EACH FASTENER SHALL BE TIGHTENED TO THE MINIMUM TENSION FOR THE SIZE AND GRADE OF FASTENER USED AS DETERMINED BY ONE OF THE FOLLOWING METHODS:					
		* TURN OF THE NUT (A.I.S.C.)					
		* CALIBRATED WRENCH					
		* LOAD INDICATOR WASHERS					
		* LOAD INDICATOR BOLTS					
	10.	BURNING OF HOLES, CUTS, OR OTHER PENETRATIONS IN STRUCTURAL STEEL MEMBERS ARE NOT PERMITTED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.					
	11.	THE CONTACT SURFACES WITHIN SLIP CRITICAL CONNECTIONS SHALL BE FREE OF OIL, PAINT, LACQUER, OR GALVANIZING.					
	12.	BEAMS SHALL BE FABRICATED AND ERECTED WITH NATURAL CAMBER UP. ANY ADDITIONAL CAMBER IS CALLED OUT ON THE DRAWINGS AS "C= 1/2".					
	13.	ALL WELDS SHALL CONFORM TO ANSI/AWS D1.1, "STRUCTURAL WELDING CODE." ALL GROOVE WELDS SHOWN ON CONTRACT DOCUMENTS SHALL PROVIDE COMPLETE JOINT PENETRATION UNLESS NOTED OTHERWISE. WELDING SHALL BE DONE WITH E7018 ELECTRODES UNLESS NOTED OTHERWISE.					
	14.	[] DENOTES DEVIATION FROM STATED TOP OF STEEL ELEVATION IN INCHES.					
	15.	SHOP OR FIELD SPLICES NOT SHOWN ON THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL.					
	16.	STRUCTURAL STEEL FRAMING SHALL BE ERECTED TRUE AND PLUMB IN ACCORDANCE WITH A.I.S.C. CODE OF STANDARD PRACTICE. ANY FRAMING EXCEEDING TOLERANCES OF THE CODE OF STANDARD PRACTICE SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AS DIRECTED BY THE STRUCTURAL ENGINEER.					
	17.	THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STRUCTURAL STEEL FRAMEWORK AGAINST ALL GRAVITY CONSTRUCTION LOADS, STRUCTURE SELFWEIGHT, AND LATERAL LOADS SUCH AS WIND. THIS BRACING SHALL REMAIN IN PLACE UNTIL THE FINAL SYSTEM FOR RESISTING LATERAL LOADS IS IN PLACE AND EFFECTIVE AS APPROVED BY THE STRUCTURAL ENGINEER. THE ERECTOR SHALL ENGAGE A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE LOCATION OF THE PROJECT TO DESIGN A PLAN AND SEQUENCE FOR ERECTION FOR THE LATERAL STABILITY OF THE STRUCTURAL STEEL FRAME DURING CONSTRUCTION. THIS PROFESSIONAL ENGINEER SHALL SEAL THE PLANS AND SEQUENCE AND SUBMIT IT TO THE ENGINEER OF RECORD FOR REVIEW.					
	18.	GALVANIZED STEEL AND ITS CONNECTORS SHALL CONFORM TO ASTM A123, ASTM A153, ASTM A384, AND THE RECOMMENDATIONS OF THE "AMERICAN HOT DIP GALVANIZERS ASSOCIATION STANDARD SPECIFICATION". ABRADED, SCRAPPED, AND FIELD WELDED AREAS SHALL BE REPAIRED WITH ZINC-RICH PAINT.					



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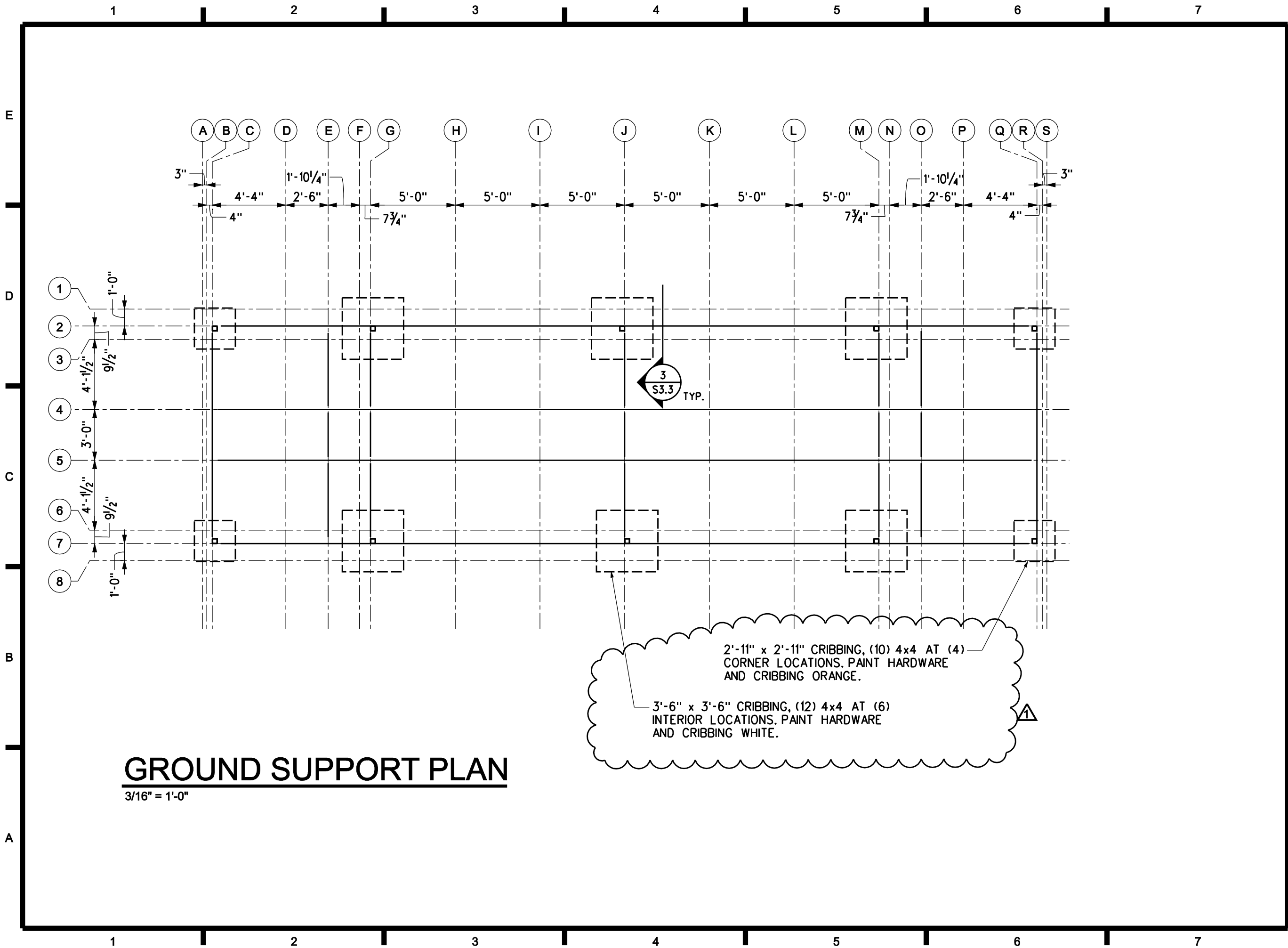
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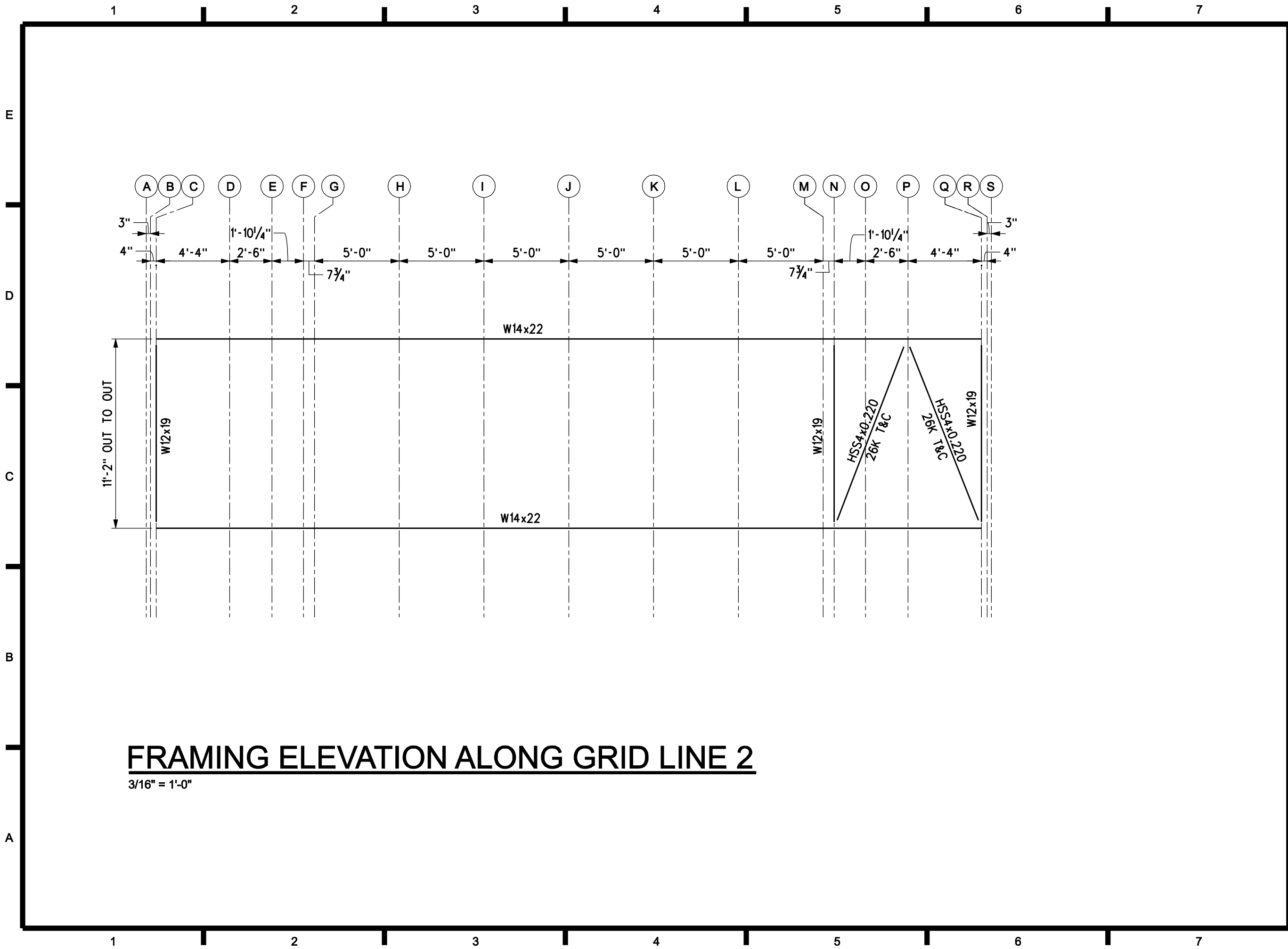
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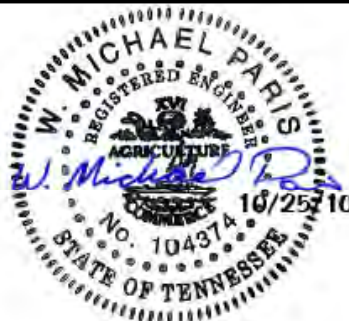
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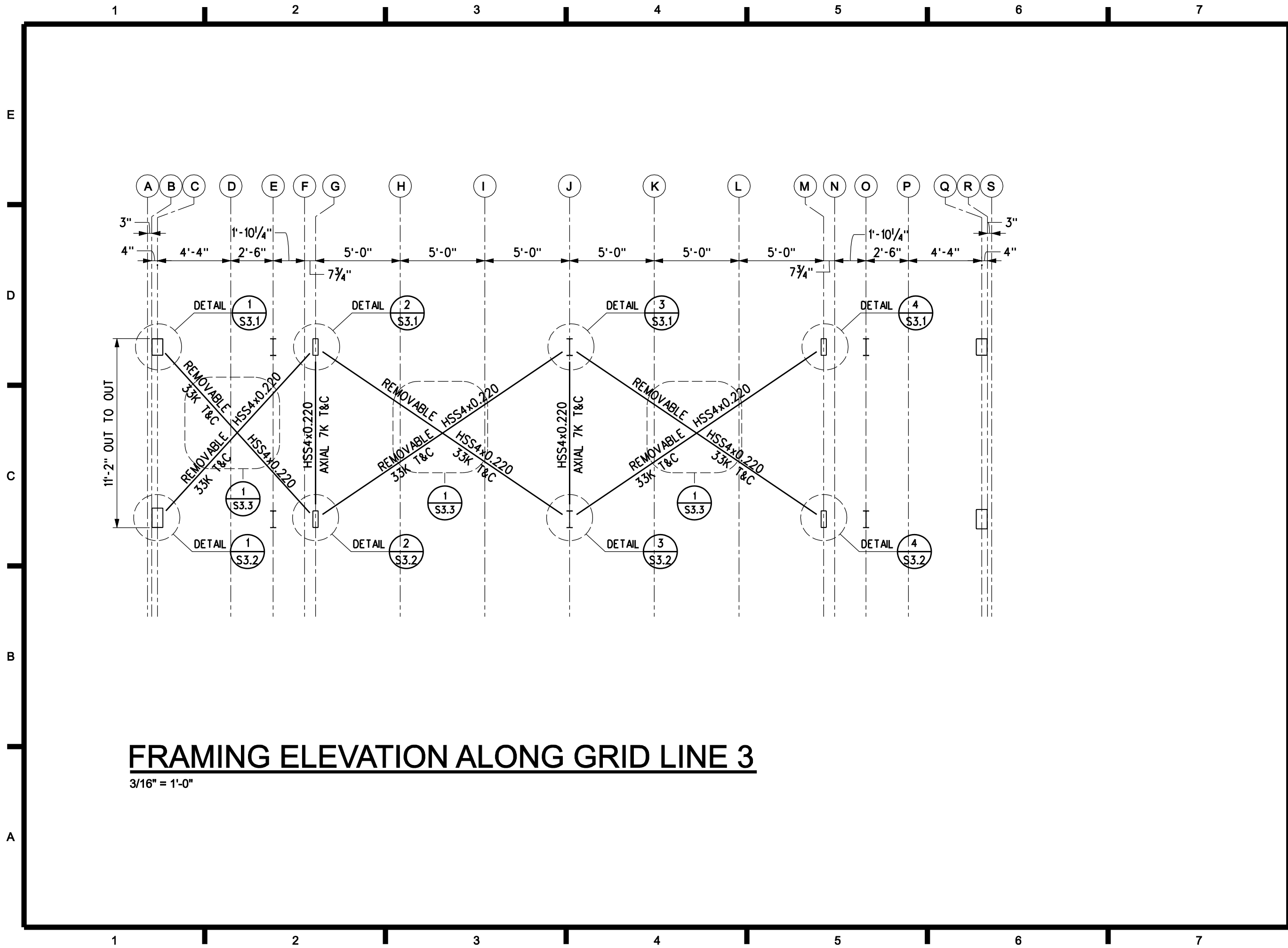
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ELEVATON FRAMING ALONG GRID LINE 2

S-2.1



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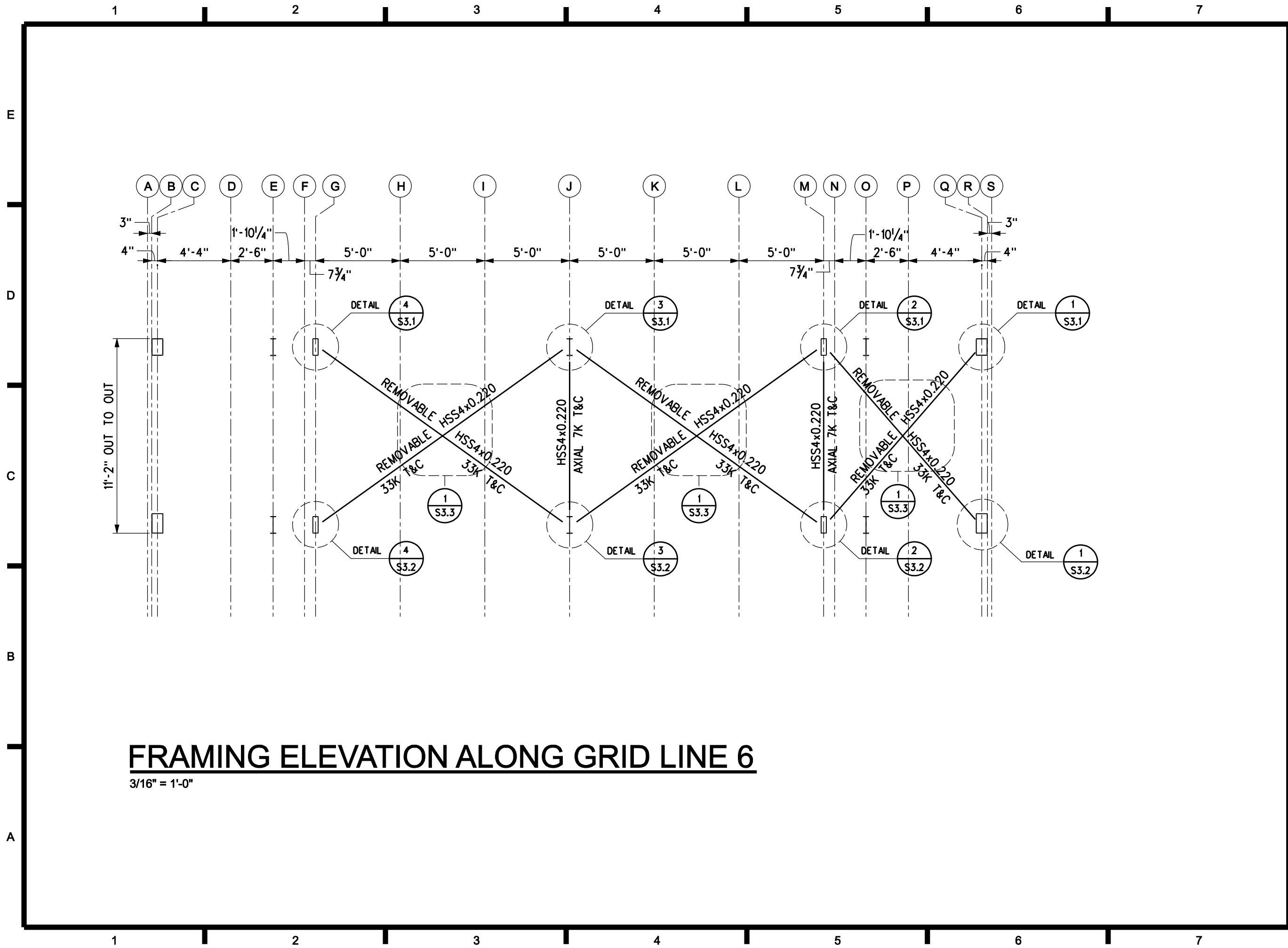
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SHEET TITLE

ELEVATION FRAMING ALONG GRID LINE 3

S-2.2



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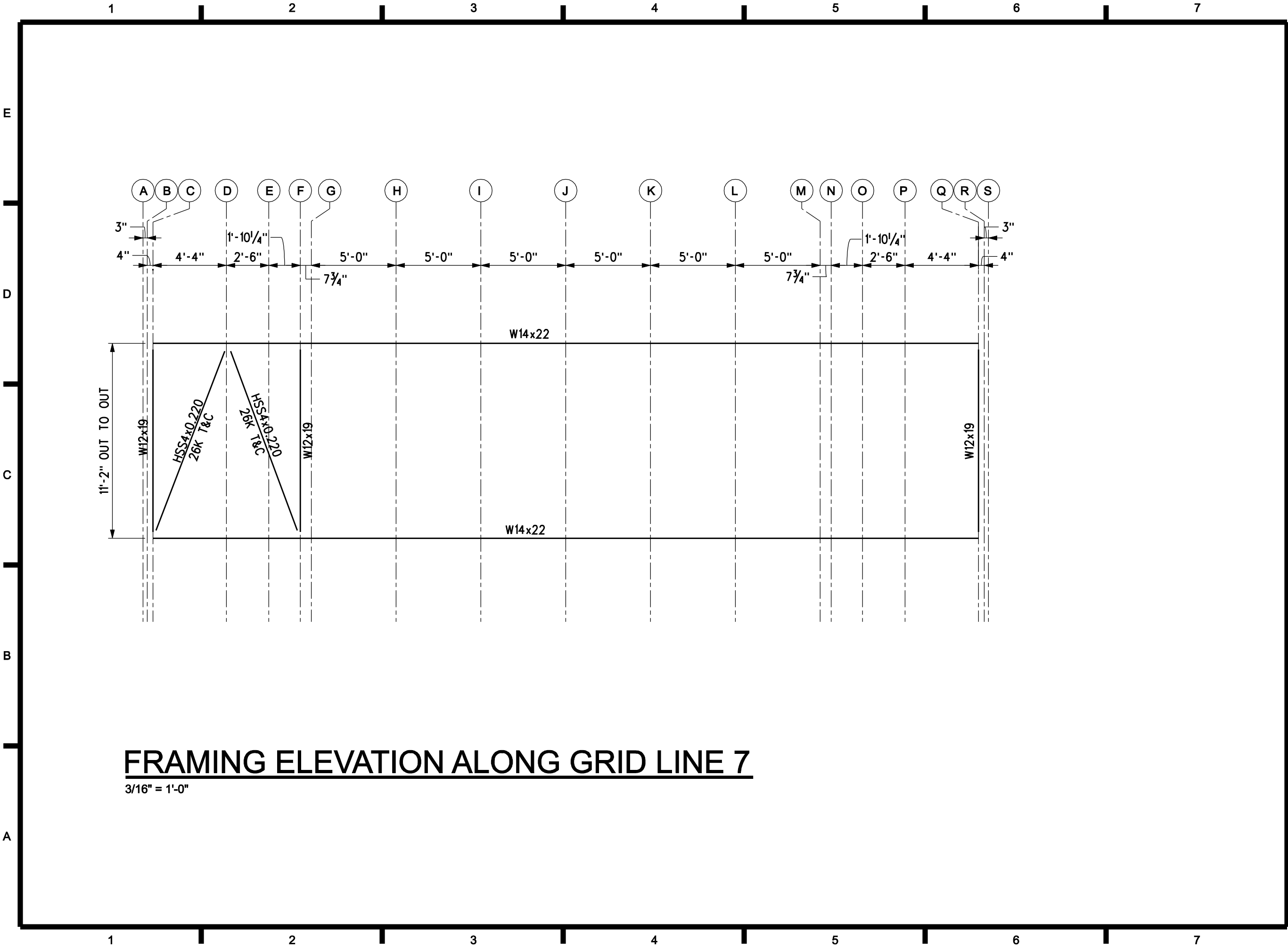
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SHEET TITLE

ELEVATION FRAMING
ALONG GRID LINE 6

S-2.3



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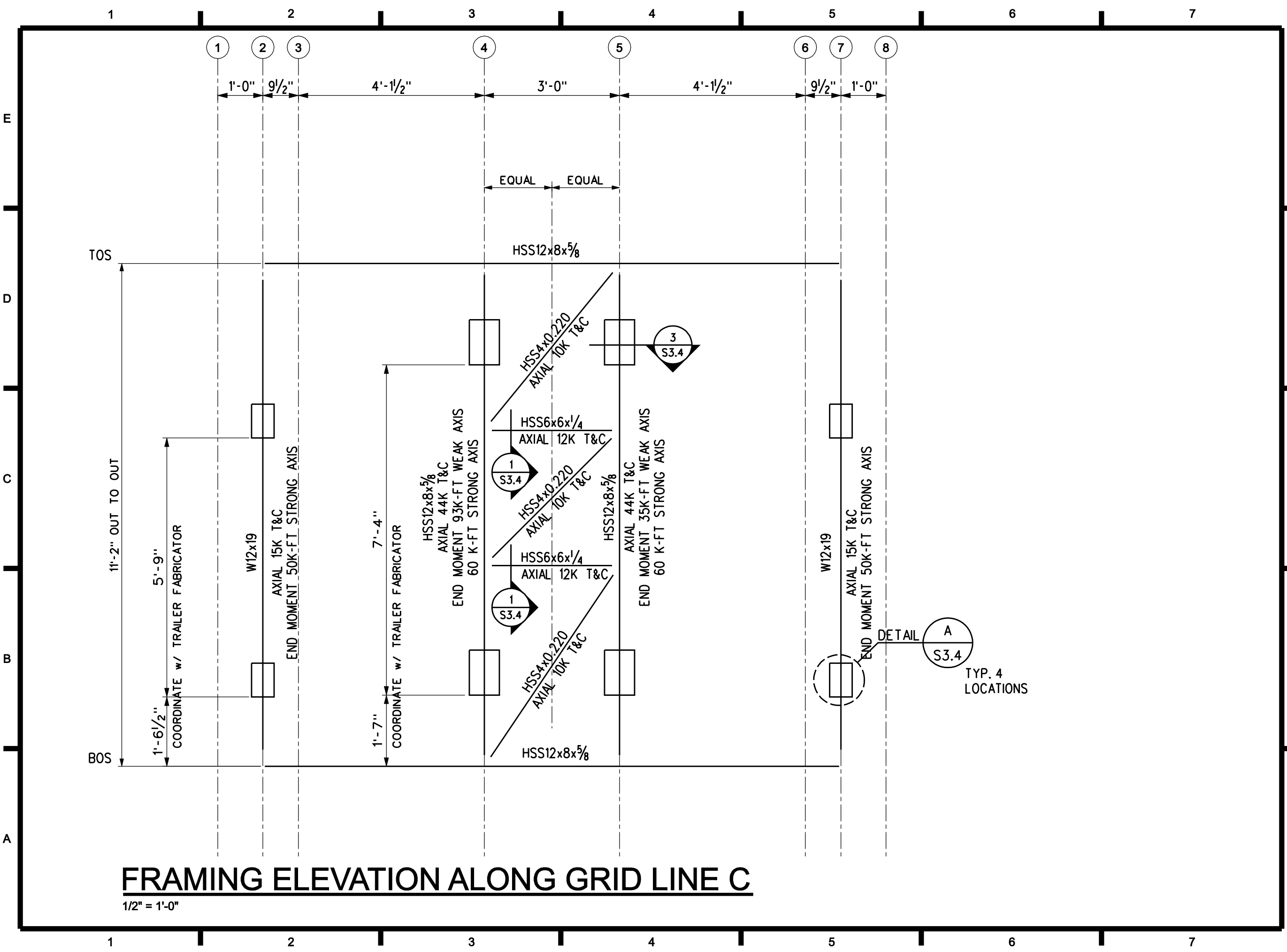
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SHEET TITLE

ELEVATION FRAMING ALONG GRID LINE 7

S-2.4





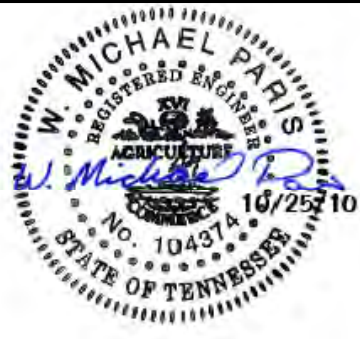
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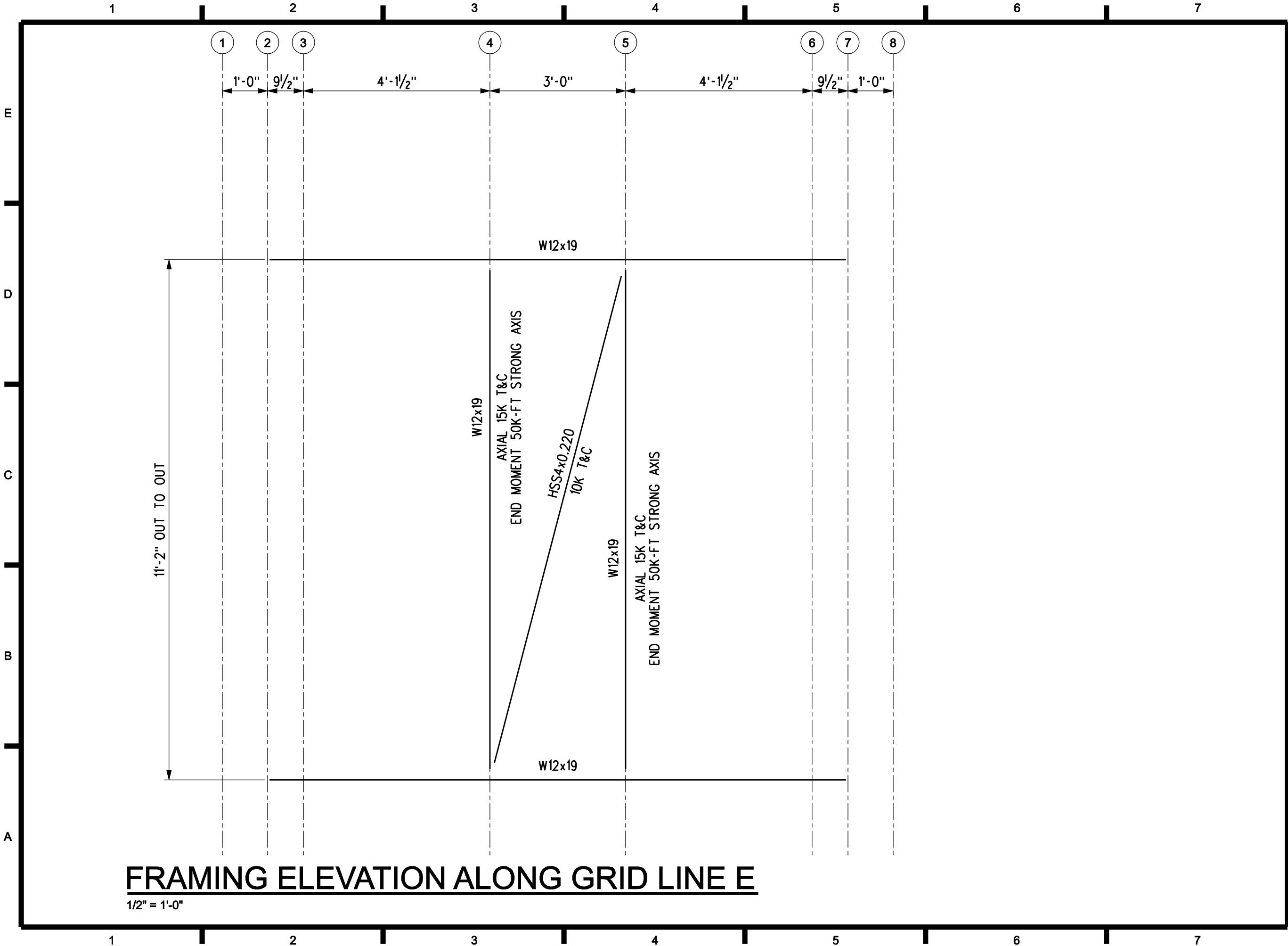
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SHEET TITLE
ELEVATION FRAMING ALONG GRID LINE C

S-2.5



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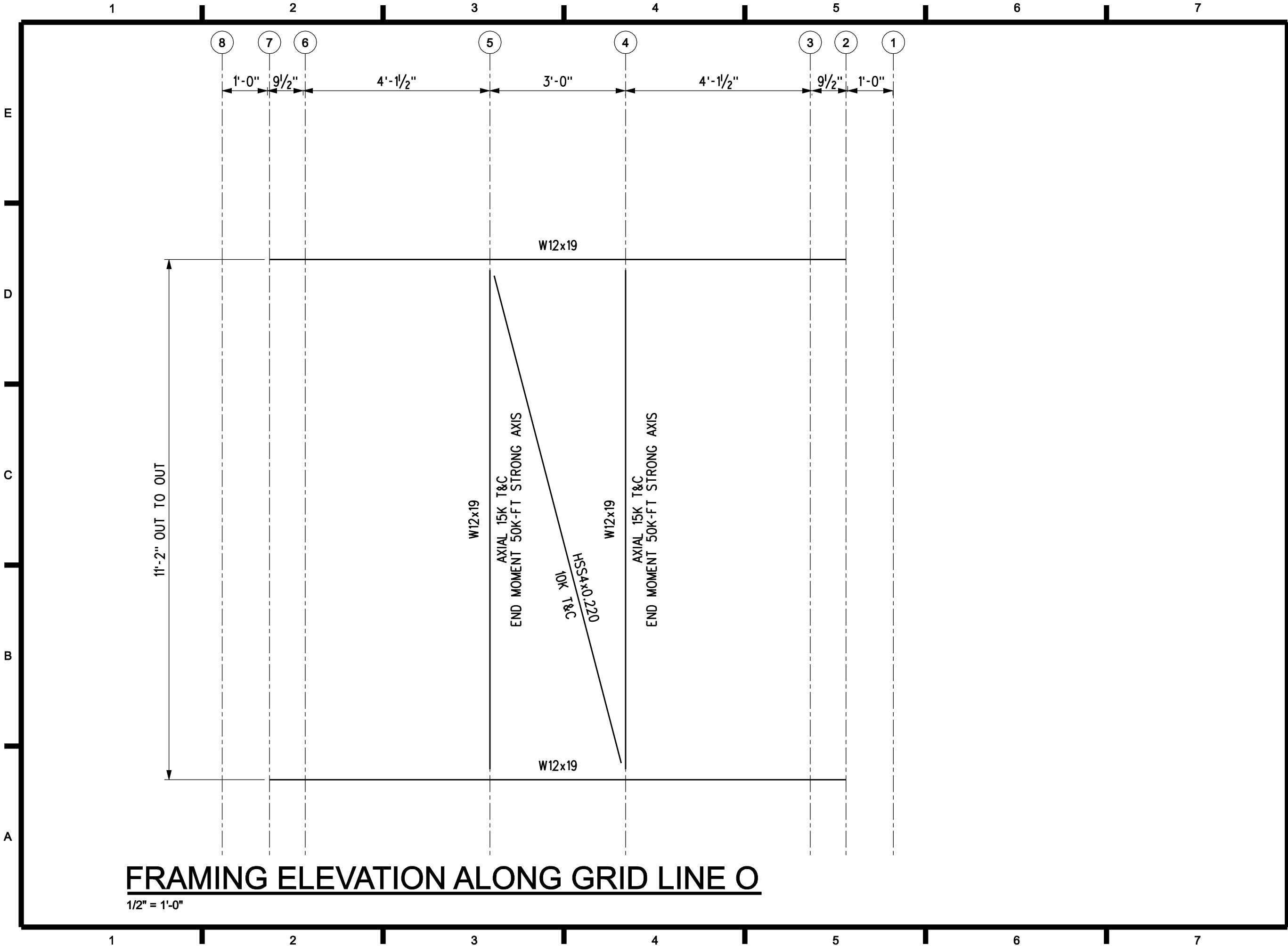
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SHEET TITLE

ELEVATOR FRAMING
ALONG GRID LINE E

S-2.6



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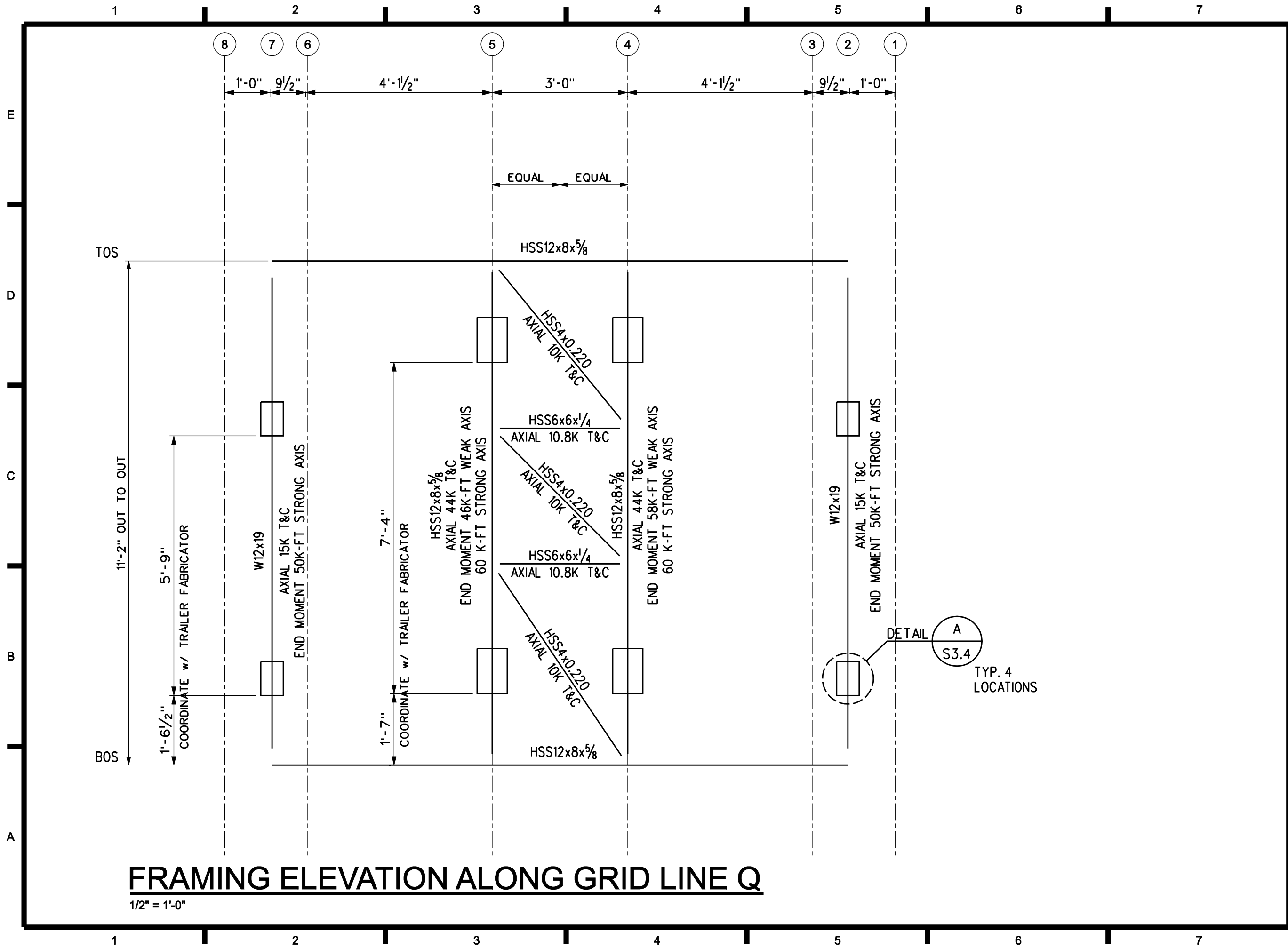
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SHEET TITLE

ELEVATOR FRAMING ALONG GRID LINE O

S-2.7



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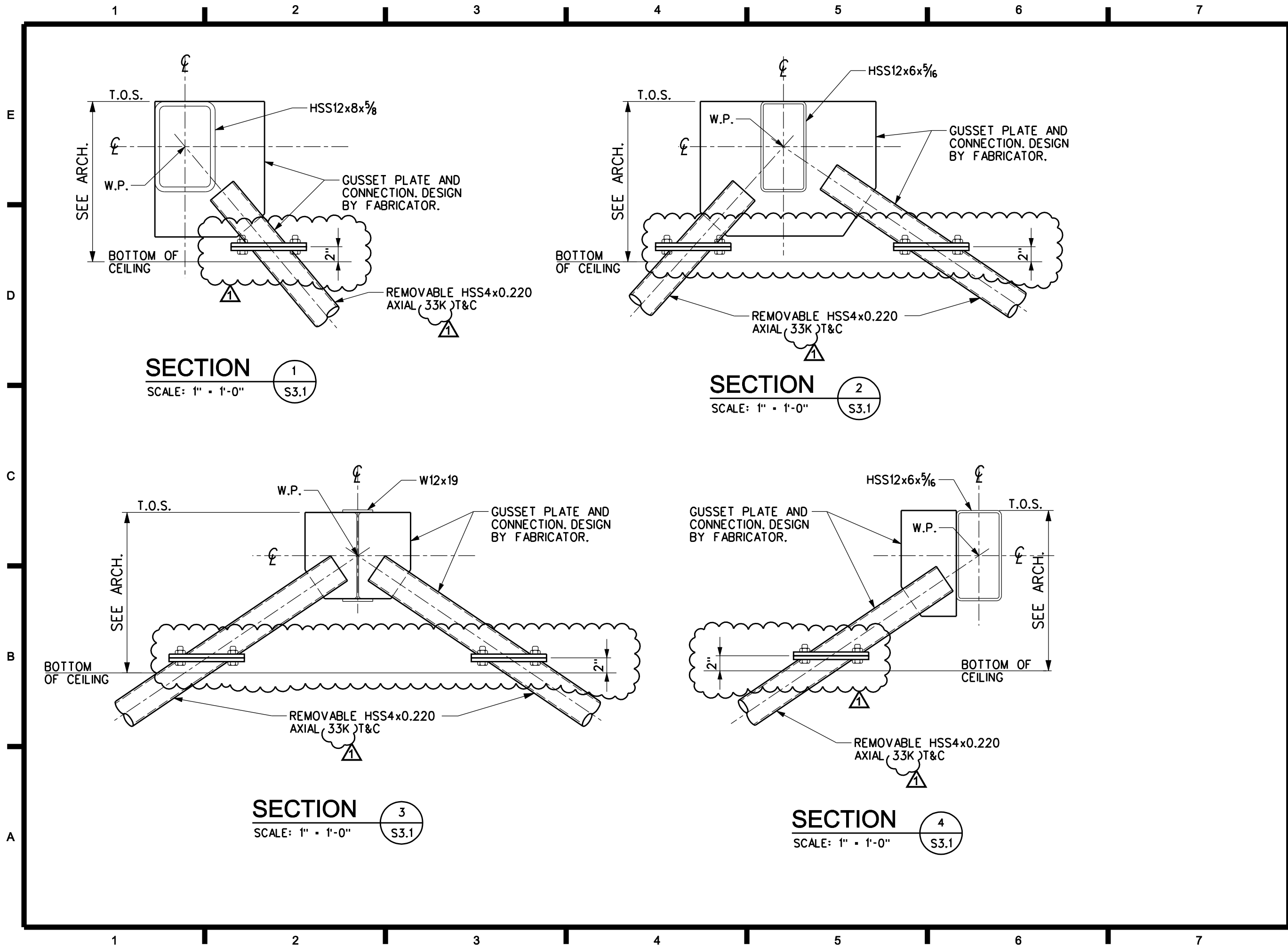
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SHEET TITLE

ELEVATOR FRAMING ALONG GRID LINE Q

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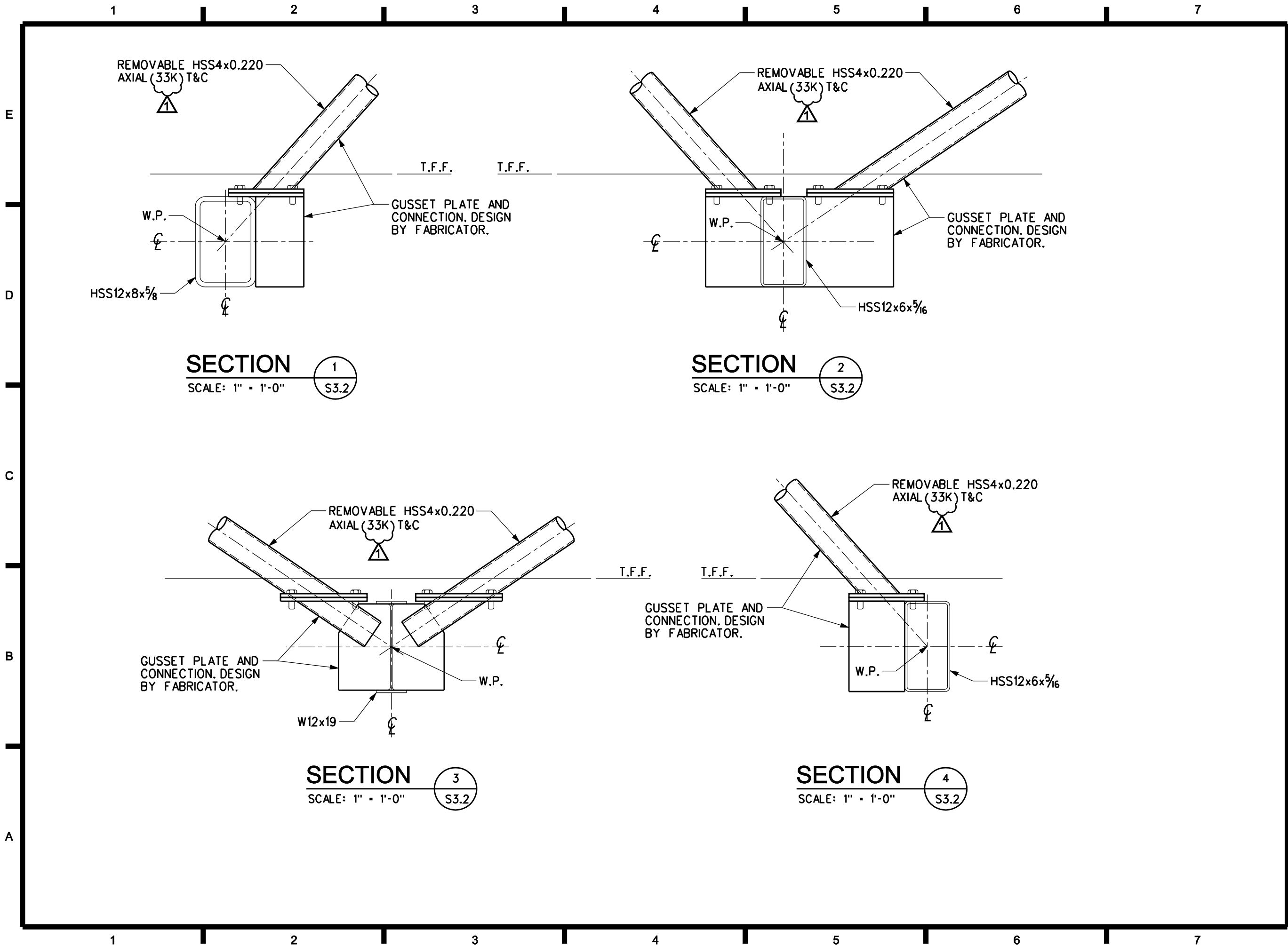
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SHEET TITLE

SECTIONS & DETAILS

S-3.1



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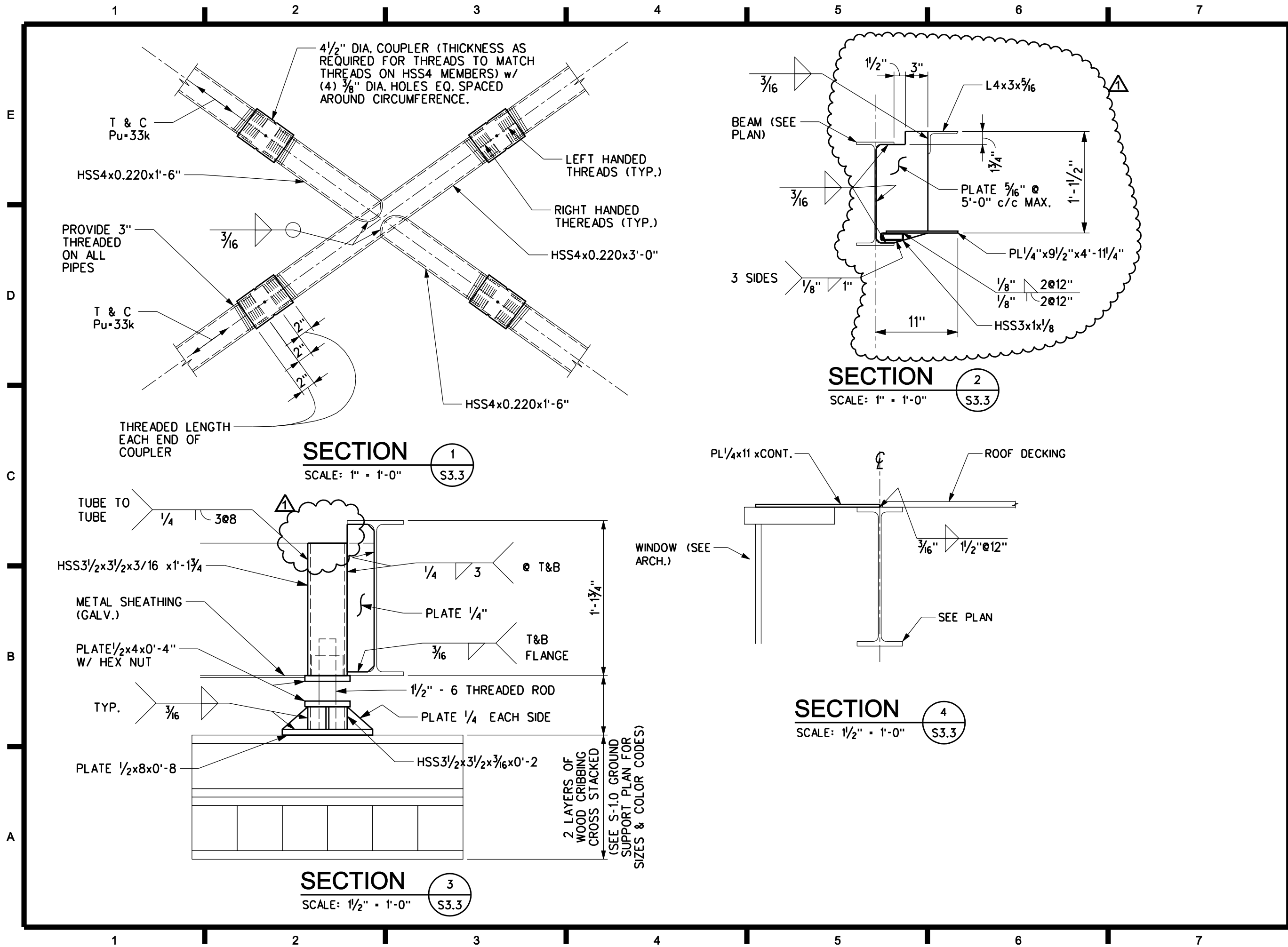
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SHEET TITLE

SECTIONS &
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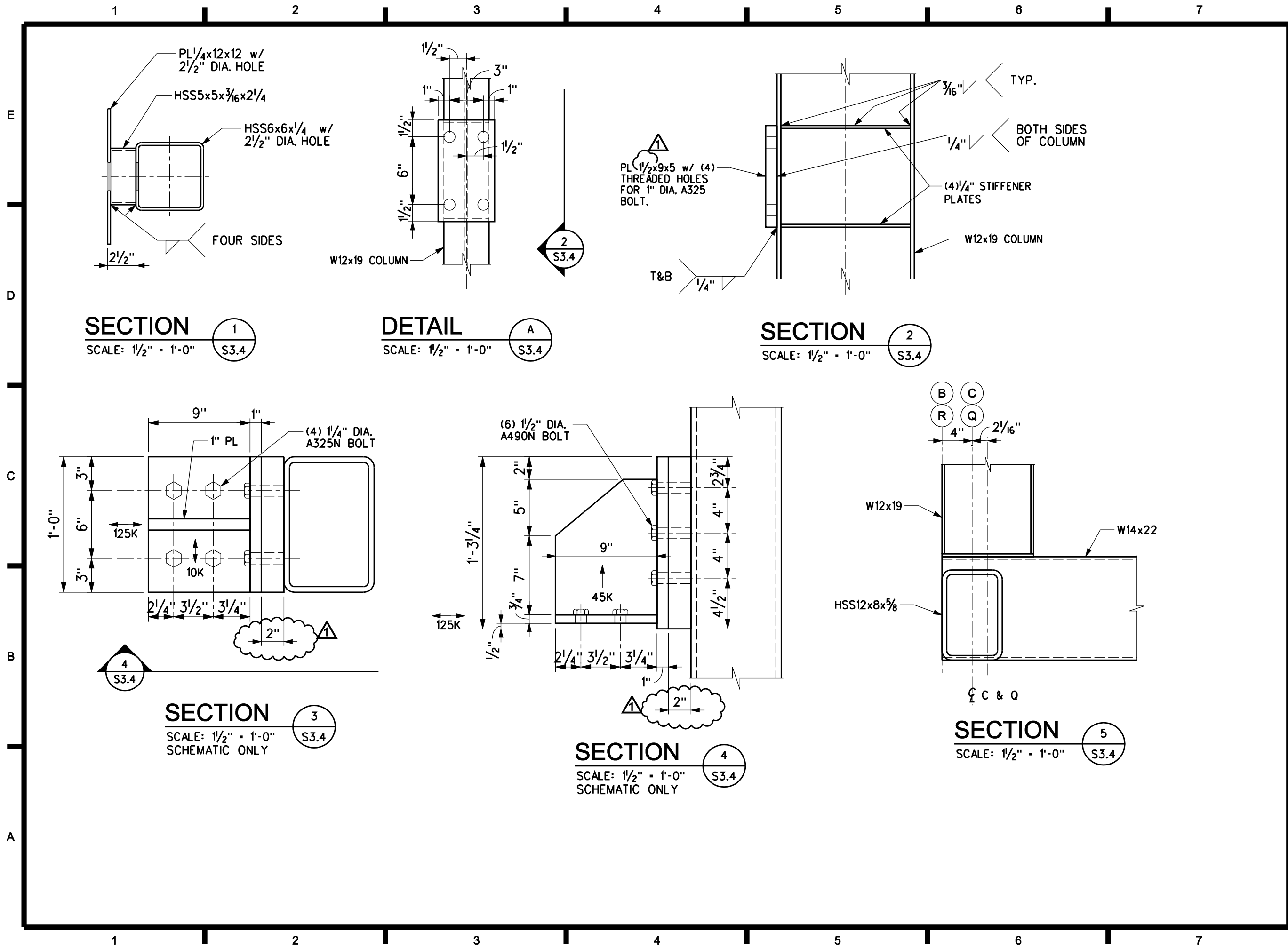
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SECTIONS & DETAILS

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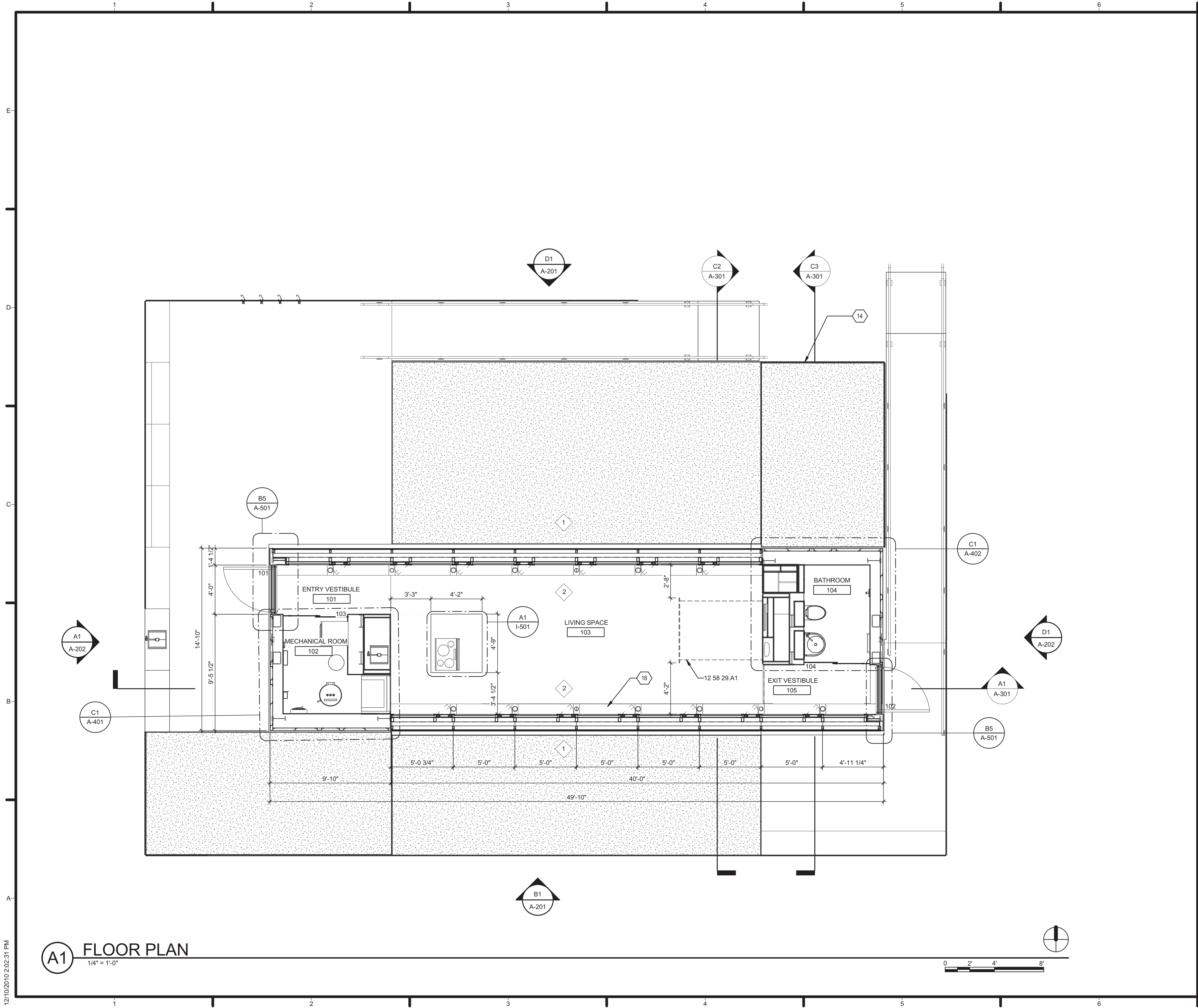
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SHEET TITLE

SECTIONS & DETAILS

S-3.4



GENERAL SHEET NOTES

REFERENCE KEYNOTES

12 58 29.A1 MURPHY BED

SHEET KEYNOTES

14 WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
18 CUSTOM LED LIGHT TROUGH



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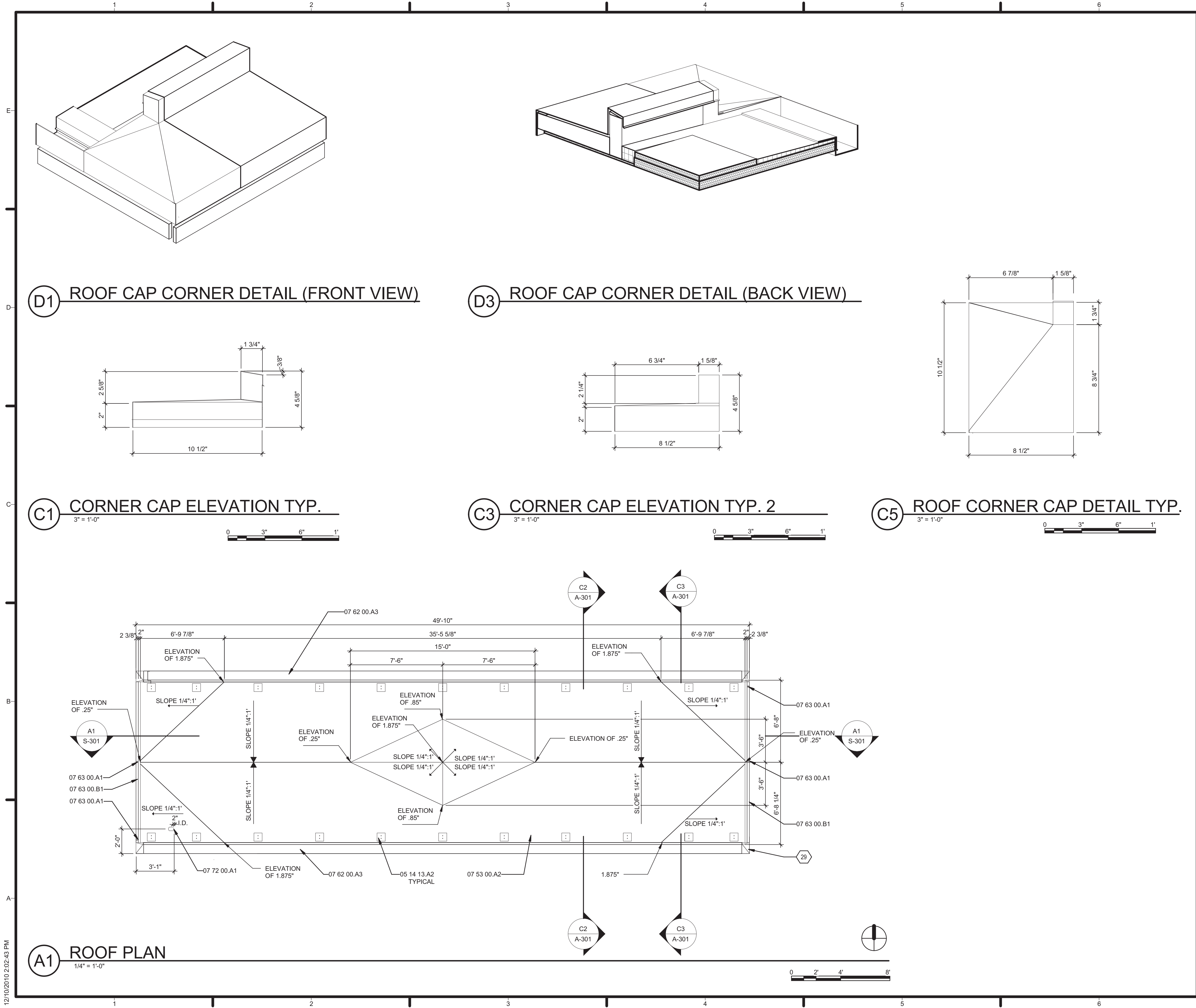
SHEET TITLE

FIRST FLOOR PLAN

A-101

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

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GENERAL SHEET NOTES

1. PV RACK OMITTED FOR CLARITY

REFERENCE KEYNOTES

- 05 14 13.A2 FOOTING BASE PLATE
07 53 00.A2 EPDM ROOFING
07 62 00.A3 ALUMINUM FLASHING, 20 GA.
07 63 00.A1 1-1/2" ALUMINUM DOWNSPOUT
07 63 00.B1 ALUMINUM GUTTER
07 72 00.A1 ELECTRICAL WEATHERHEAD

SHEET KEYNOTES

- 29 REFERENCE D1/A-102 FOR ROOF CAP CORNER DETAIL



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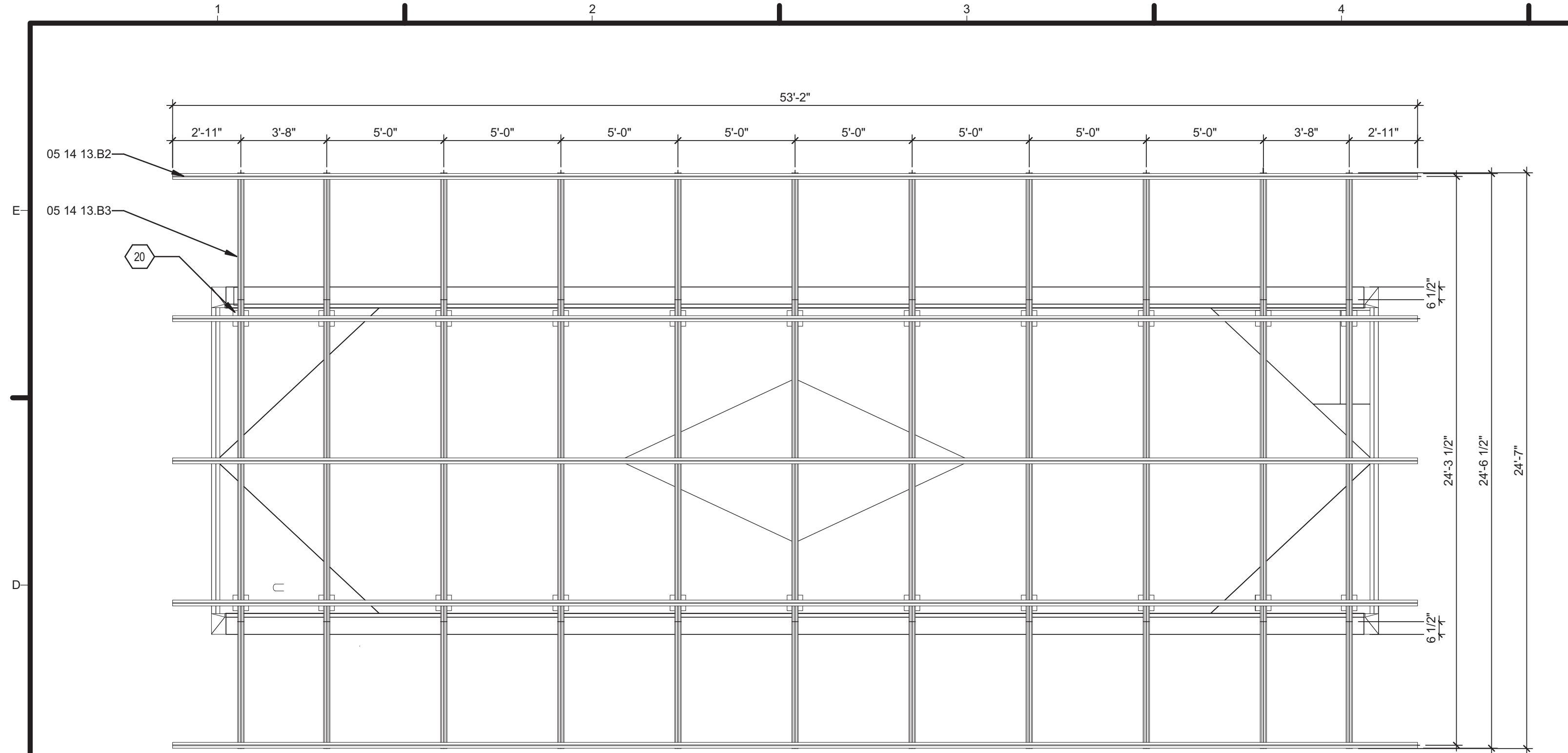
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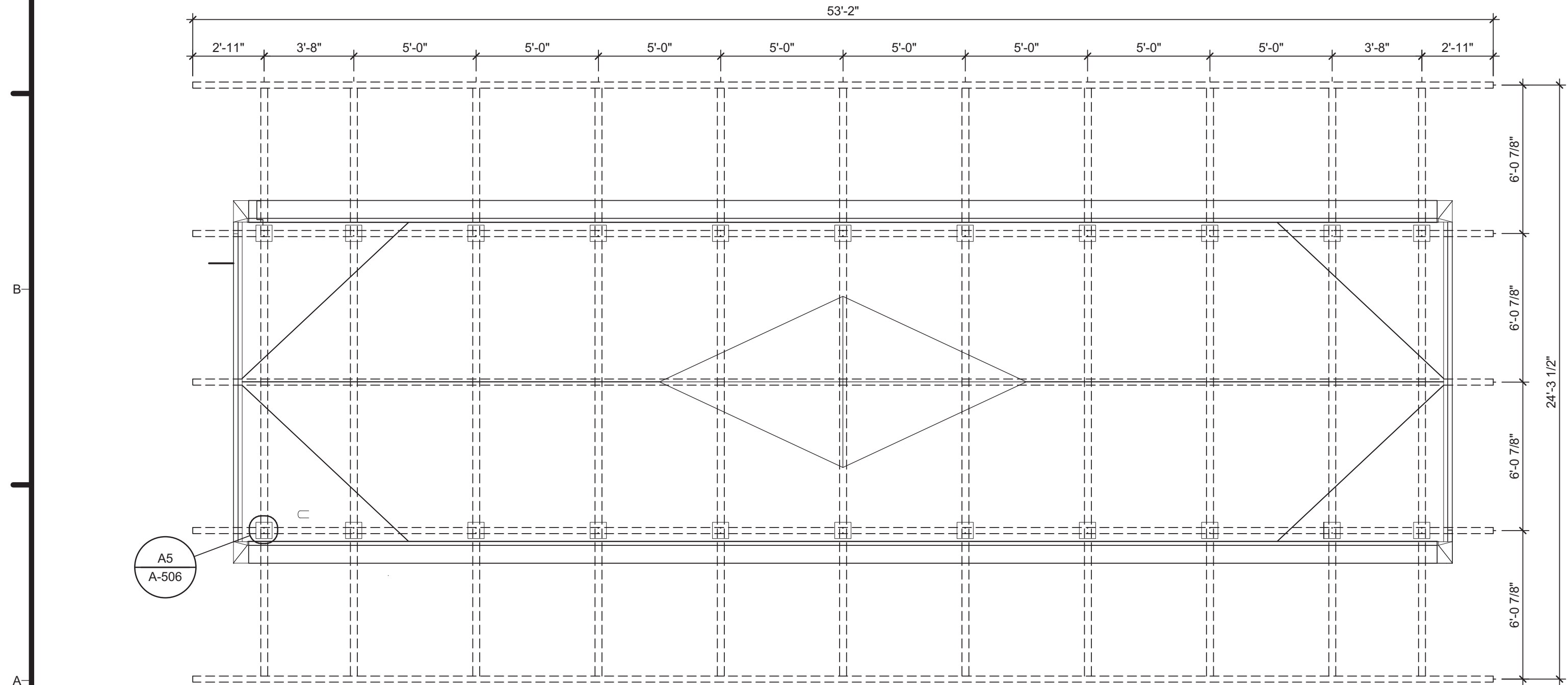
ROOF PLAN

A-102



D1 PHOTOVOLTAIC RACK PLAN

1/4" = 1'-0"



A1 ROOF FOOTING PLAN

1/4" = 1'-0"



GENERAL SHEET NOTES

1. PV ARRAY OMITTED FOR CLARITY

REFERENCE KEYNOTES

05 14 13.B2 STANDARD RAIL
05 14 13.B3 POWER ARM

SHEET KEYNOTES

20 REFERENCE A1/A-507 FOR ROOF RACK
DETAIL



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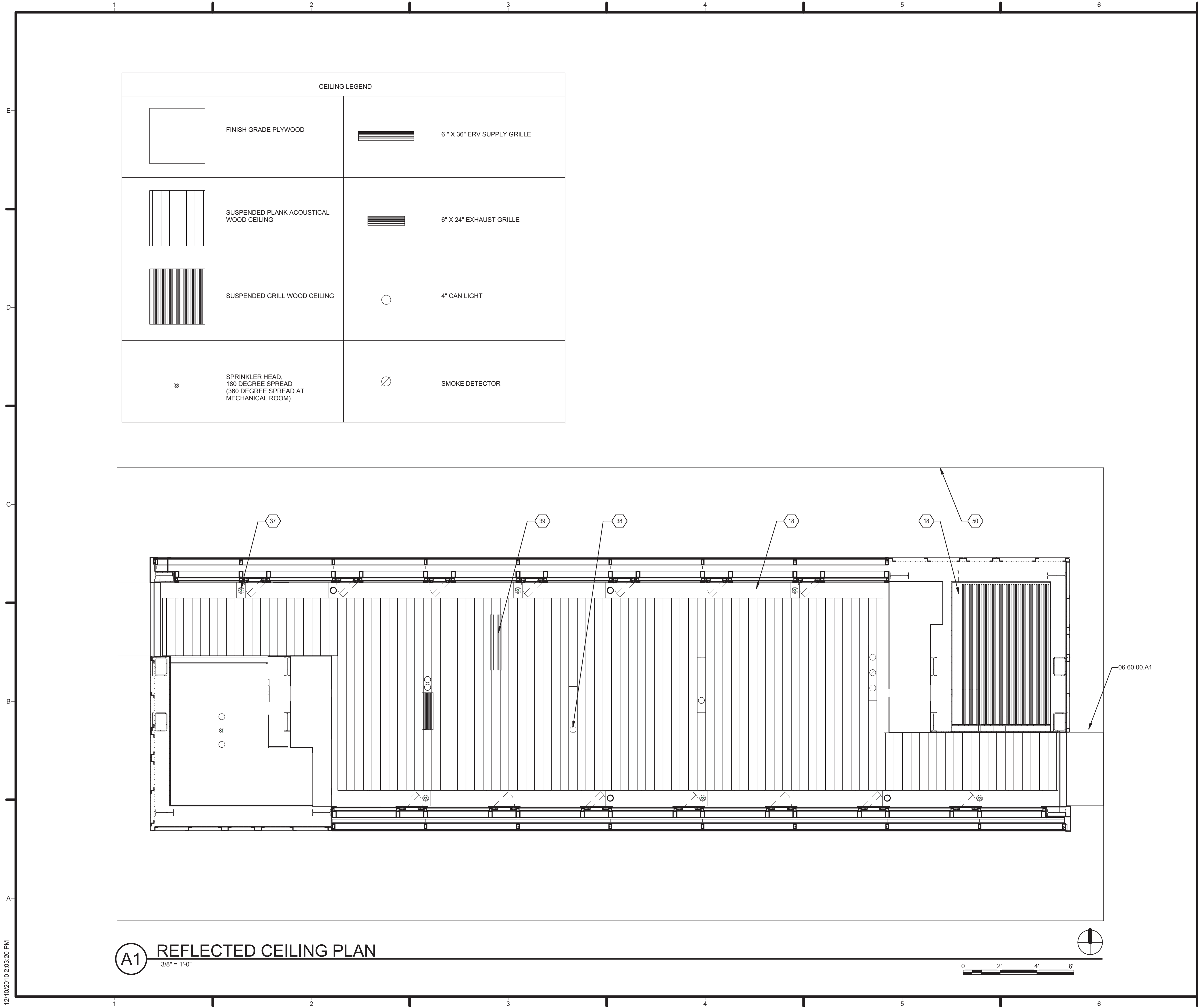
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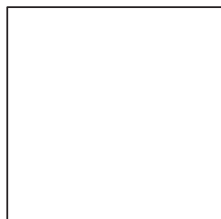
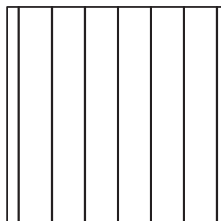
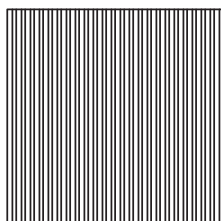
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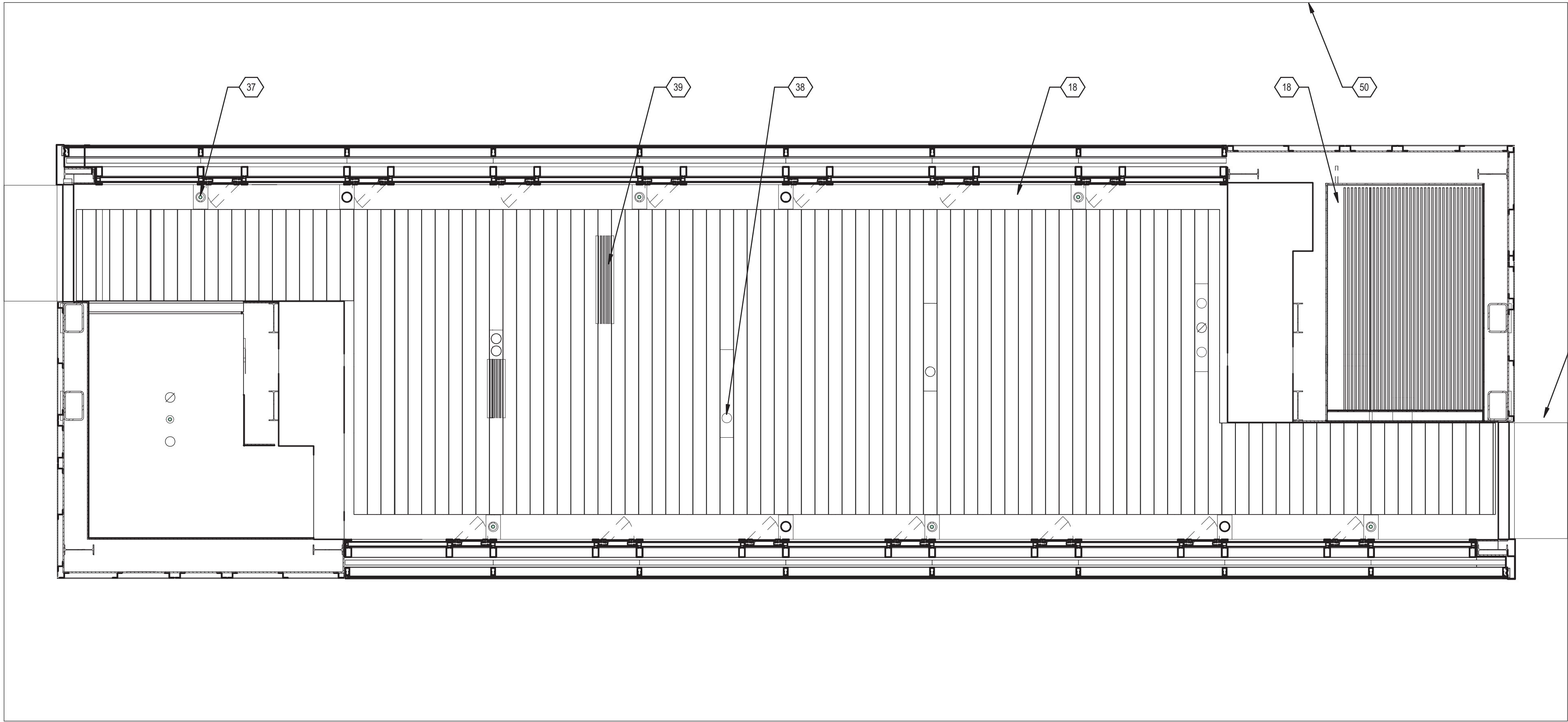
SHEET TITLE

ROOF RACK PLAN

A-103



CEILING LEGEND	
	FINISH GRADE PLYWOOD
	6" X 36" ERV SUPPLY GRILLE
	SUSPENDED PLANK ACOUSTICAL WOOD CEILING
	6" X 24" EXHAUST GRILLE
	SUSPENDED GRILL WOOD CEILING
	4" CAN LIGHT
	SPRINKLER HEAD, 180 DEGREE SPREAD (360 DEGREE SPREAD AT MECHANICAL ROOM)
	SMOKE DETECTOR



A1 REFLECTED CEILING PLAN
3/8" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 60 00.A1 1-1/2" ACRYLIC AWNING, FROSTED

SHEET KEYNOTES

- 18 CUSTOM LED LIGHT TROUGH
- 37 RESIDENTIAL FIRE SPRINKLER SYSTEM, REFERENCE SHEET F-101
- 38 LED LIGHT FIXTURE, REFERENCE E-102
- 39 MECHANICAL DIFFUSER, REFERENCE M-101
- 50 OUTLINE OF SOLAR PANEL ARRAY ABOVE



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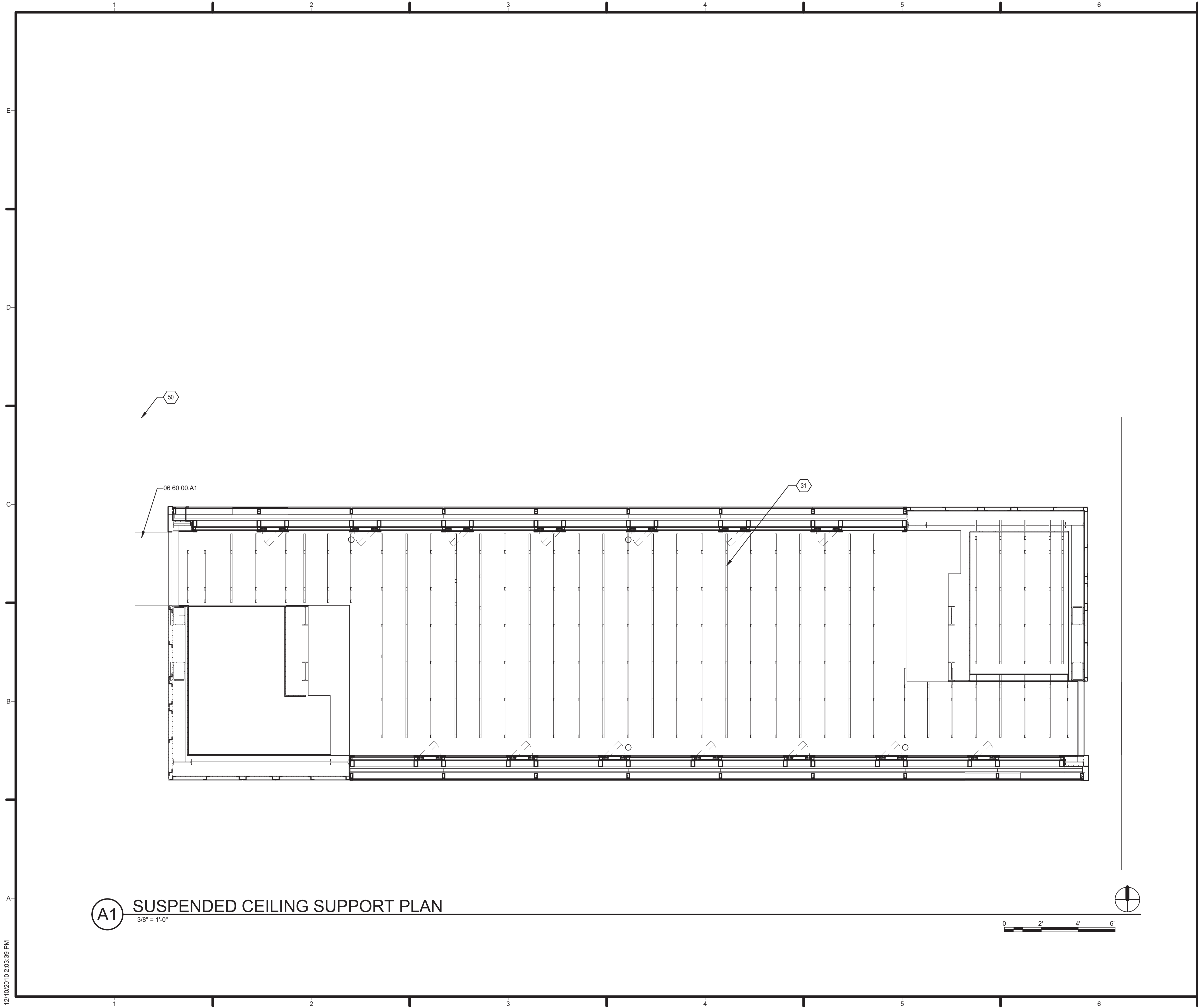
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SHEET TITLE

FIRST FLOOR
REFLECTED CEILING
PLAN

A-111



GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 60 00.A1 1-1/2" ACRYLIC AWNING, FROSTED

SHEET KEYNOTES

- 31 SUSPENDED CEILING SUPPORTS, 1 X 2 METAL STUDS 24" O.C. ON 1 X 2 TRACK ALIGNED ON METAL JOISTS. COORDINATE LOCATION OF SUPPORT SYSTEM WITH MECHANICAL SYSTEMS AND SPRINKLER SYSTEMS.
- 50 OUTLINE OF SOLAR PANEL ARRAY ABOVE



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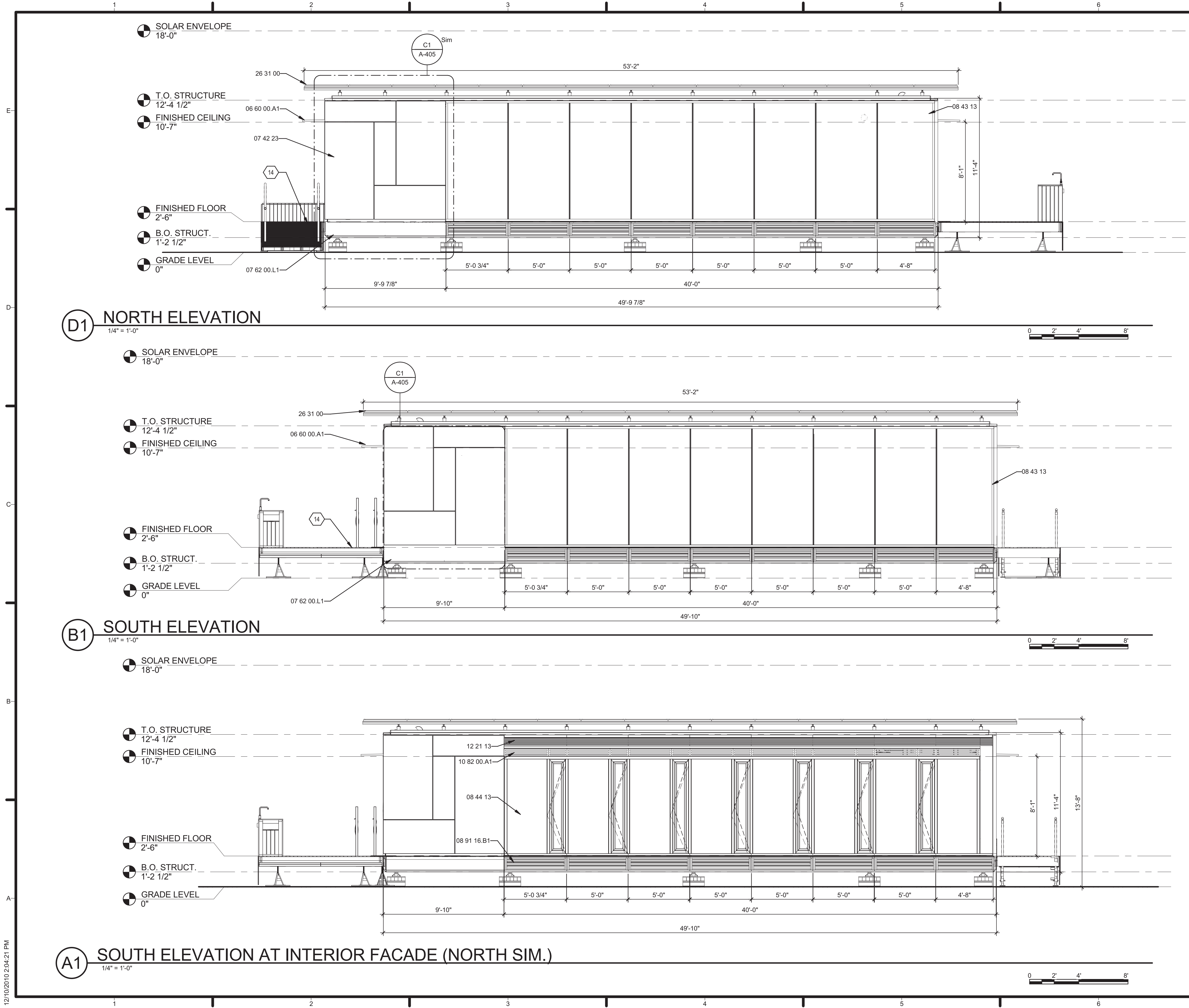


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SHEET TITLE
SUSPENDED CEILING
SUPPORT PLAN

A-112



GENERAL SHEET NOTES

1. DECK IN FRONT OF HOUSE OMITTED FOR CLARITY.

REFERENCE KEYNOTES

06 60 00.A1	1-1/2" ACRYLIC AWNING, FROSTED
07 42 23	WOOD WALL PANELS
07 62 00.L1	ALUMINUM PANEL
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 44 13	GLAZED ALUMINUM CURTAIN WALLS
08 91 16.B1	4"OPERABLE ALUMINUM LOUVER WITH ACTUATOR
10 82 00.A1	ALUMINUM GRILLE
12 21 13	HORIZONTAL LOUVER BLINDS
26 31 00	PHOTOVOLTAIC COLLECTORS

SHEET KEYNOTES

14	WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
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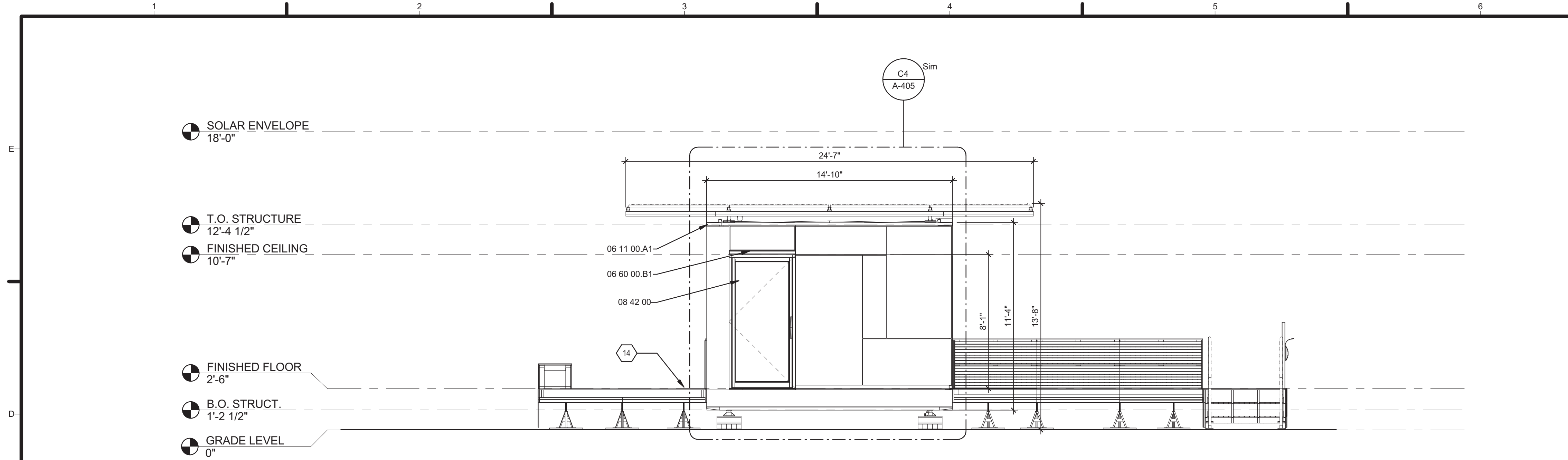


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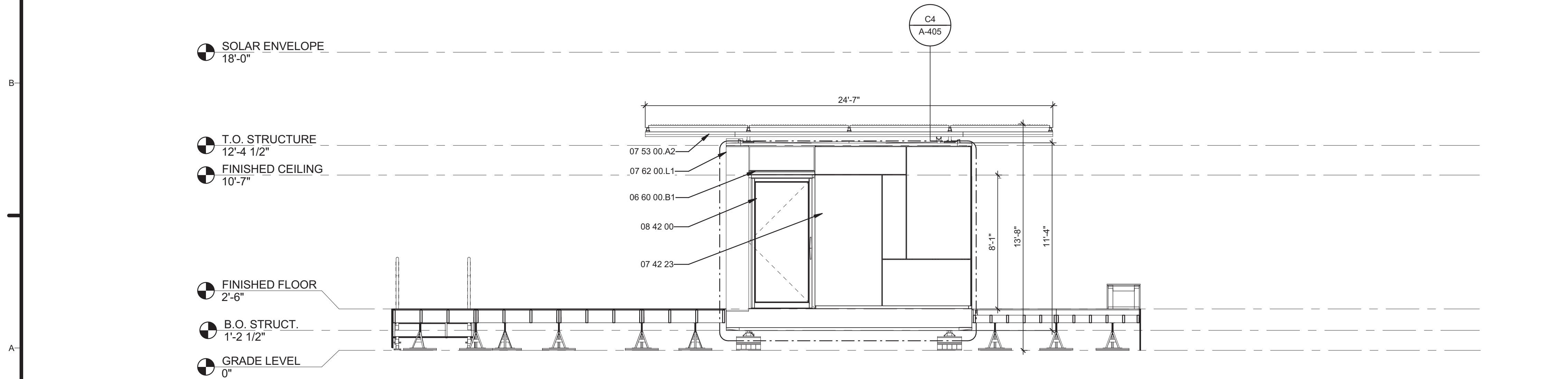
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SHEET TITLE
NORTH AND SOUTH ELEVATIONS

A-201



D1 EAST ELEVATION
1/4" = 1'-0"



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

GENERAL SHEET NOTES

- DECK IN FRONT OF HOUSE OMITTED FOR CLARITY.

REFERENCE KEYNOTES

06 11 00.A1	BLOCKING
06 60 00.B1	1/4" ACRYLIC PANEL, FROSTED
07 42 23	WOOD WALL PANELS
07 53 00.A2	EPDM ROOFING
07 62 00.L1	ALUMINUM PANEL
08 42 00	ENTRANCES

SHEET KEYNOTES

14	WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
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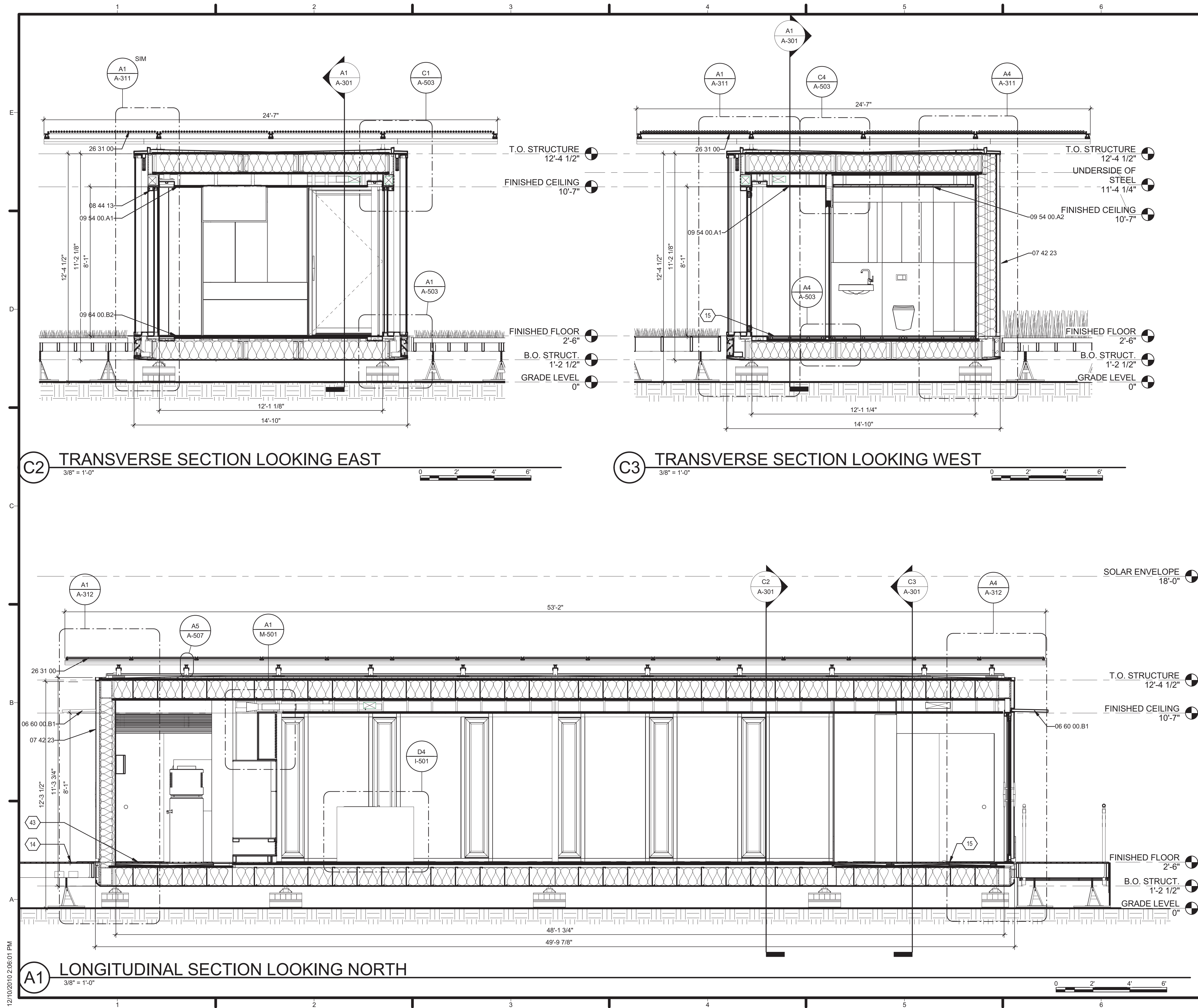


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SHEET TITLE
EAST AND WEST ELEVATIONS

A-202



GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 60 00.B1	1/4" ACRYLIC PANEL, FROSTED
07 42 23	WOOD WALL PANELS
08 44 13	GLAZED ALUMINUM CURTAIN WALLS
09 54 00.A1	SUSPENDED PLANK ACOUSTICAL WOOD CEILING
09 54 00.A2	SUSPENDED GRILLE WOOD CEILING
09 64 00.B2	3/4" HARDWOOD FLOORING
26 31 00	PHOTOVOLTAIC COLLECTORS

SHEET KEYNOTES

14	WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
15	INTERIOR DRAINAGE FLOOR, REFERENCE P-501 & P-502
43	SLOPED STRINGER, WATERPROOFED



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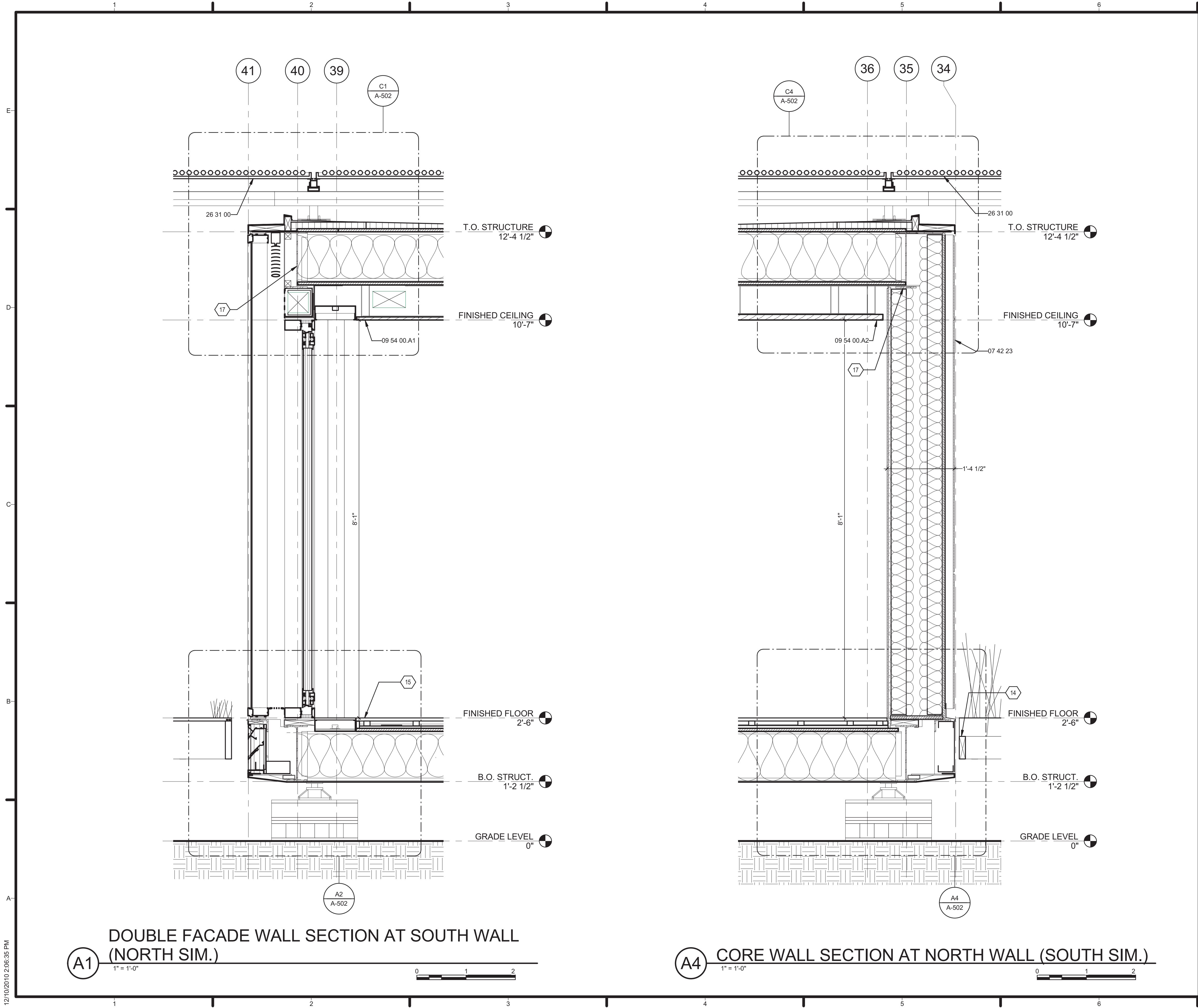
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SHEET TITLE

BUILDING SECTIONS

A-301



GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 07 42 23 WOOD WALL PANELS
- 08 44 13 GLAZED ALUMINUM CURTAIN WALLS
- 09 54 00.A1 SUSPENDED PLANK ACOUSTICAL WOOD CEILING
- 09 54 00.A2 SUSPENDED GRILLE WOOD CEILING
- 26 31 00 PHOTOVOLTAIC COLLECTORS
- 26 51 00.E1 10" LED LIGHT FIXTURE IN CUSTOM ALUMINUM CHANNEL WITH 1/2" FROSTED TEMPERED GLASS COVER

SHEET KEYNOTES

- 14 WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
- 15 INTERIOR DRAINAGE FLOOR, REFERENCE P-501 & P-502
- 17 STEEL BEAM, REFERENCE STRUCTURAL
- 18 CUSTOM LED LIGHT TROUGH



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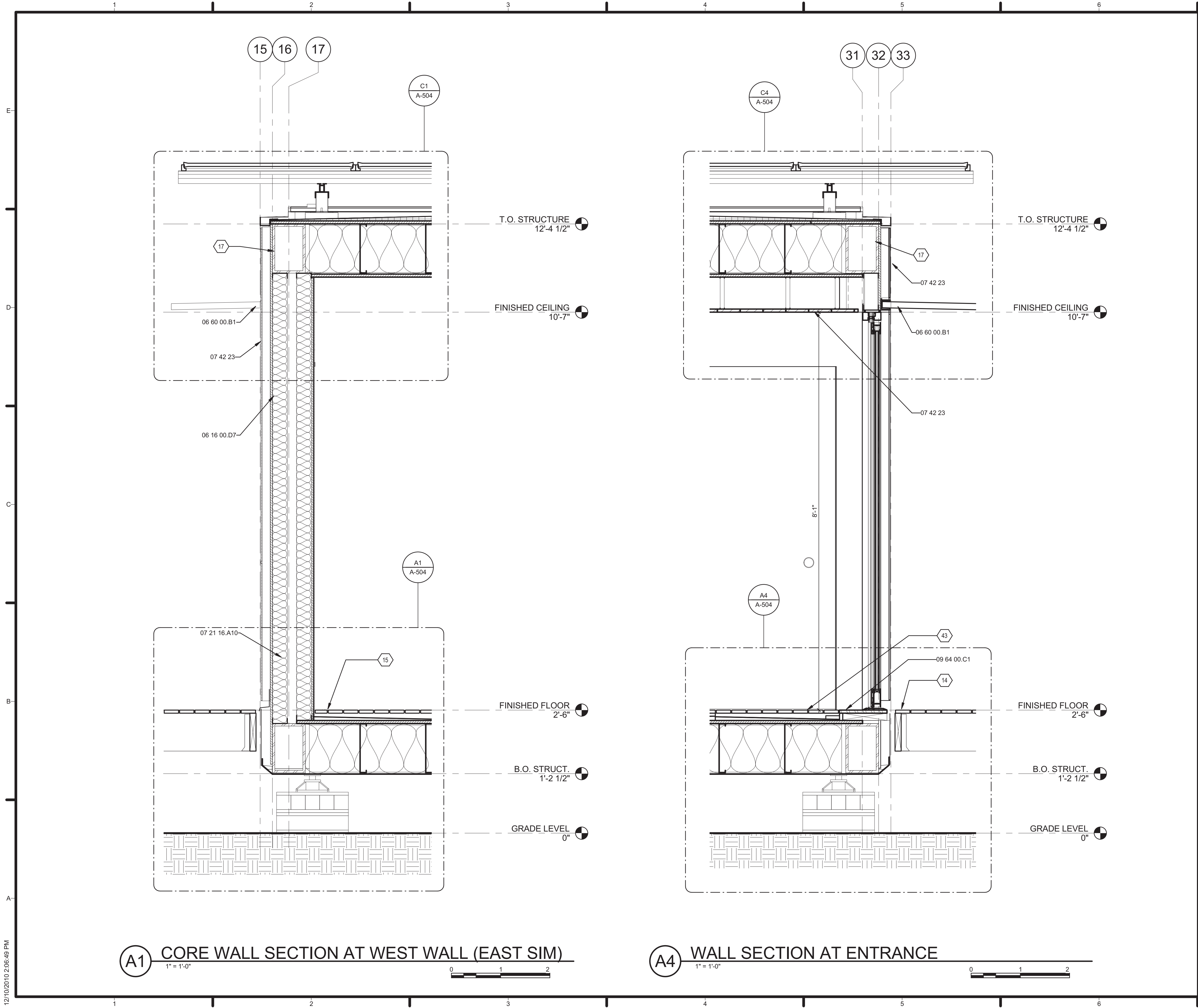
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SHEET TITLE

WALL SECTIONS

A-311



GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 16 00.D7	1/2" EXTERIOR GRADE PLYWOOD
06 60 00.B1	1/4" ACRYLIC PANEL, FROSTED
07 21 16.A10	BATT INSULATION
07 42 23	WOOD WALL PANELS
08 42 00	ENTRANCES
09 64 00.C1	CYPRESS THRESHOLD

SHEET KEYNOTES

14	WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
15	INTERIOR DRAINAGE FLOOR, REFERENCE P-501 & P-502
17	STEEL BEAM, REFERENCE STRUCTURAL
43	SLOPED STRINGER, WATERPROOFED



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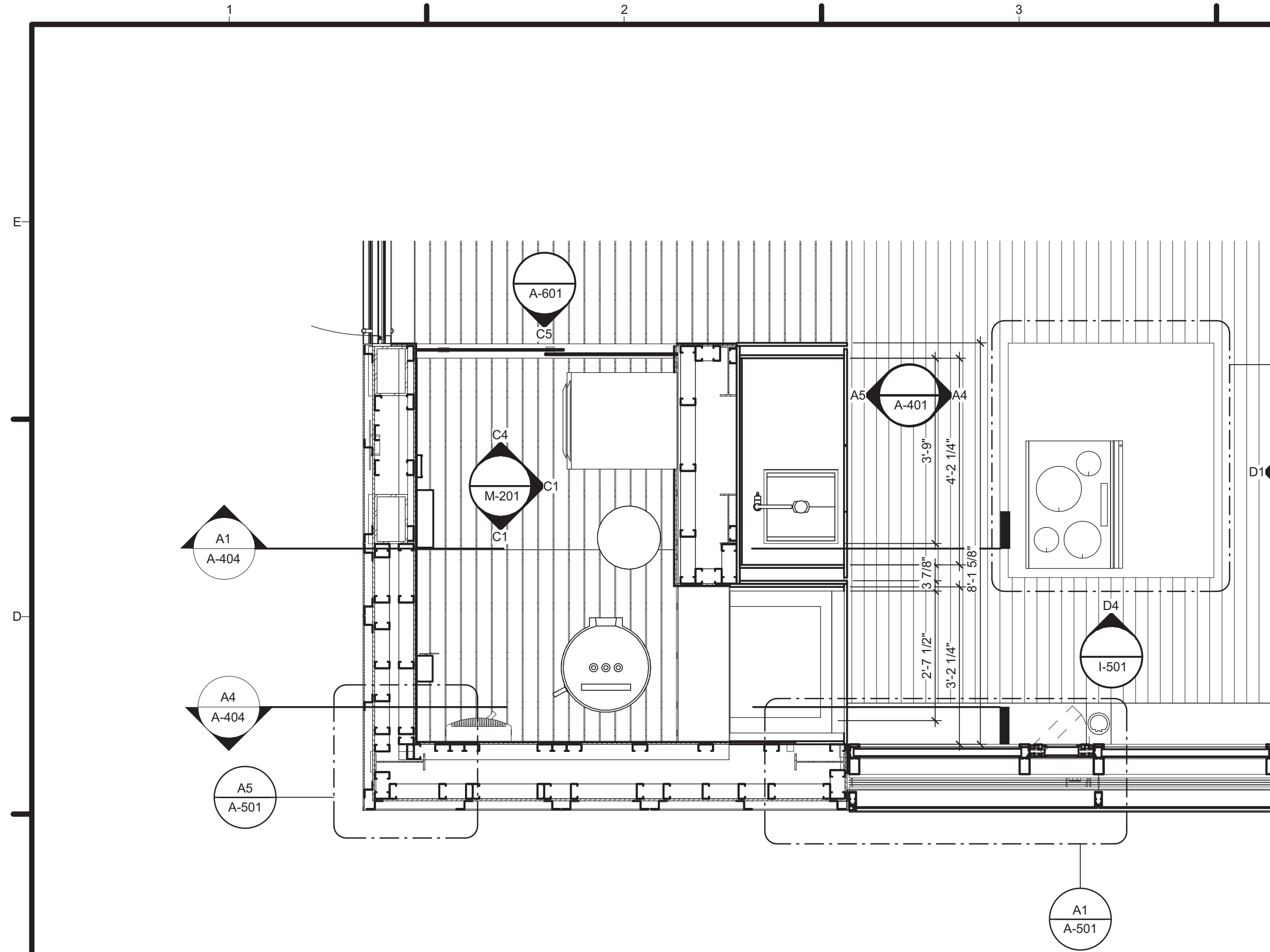
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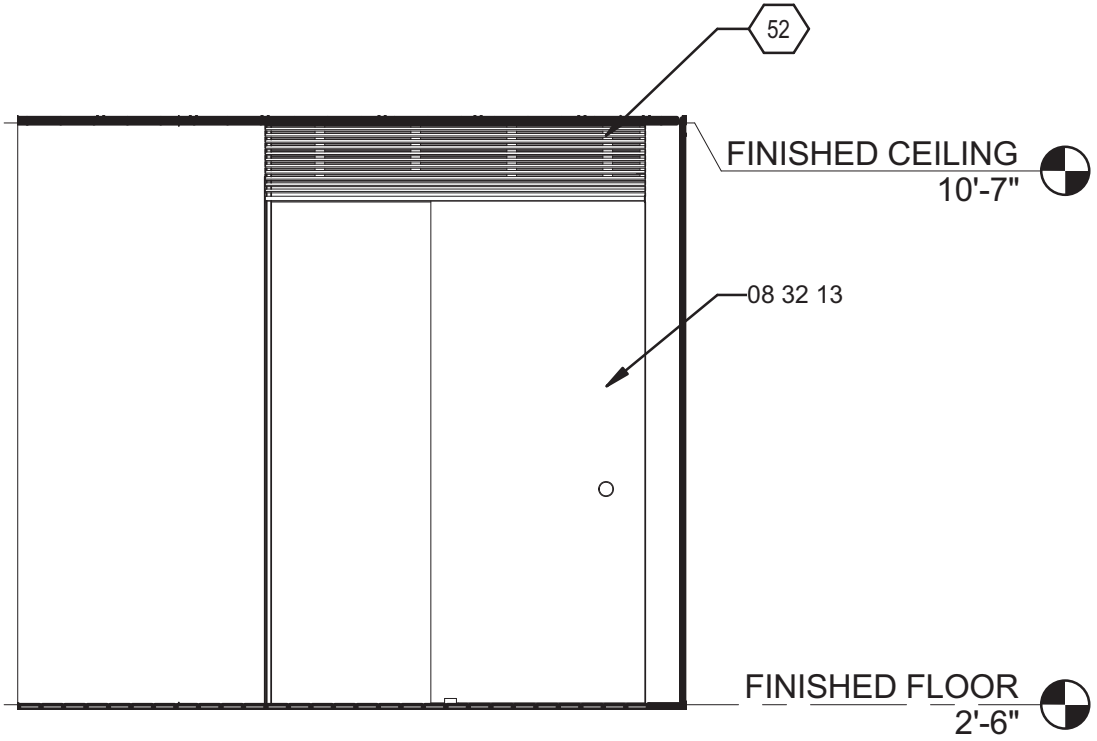
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WALL SECTIONS

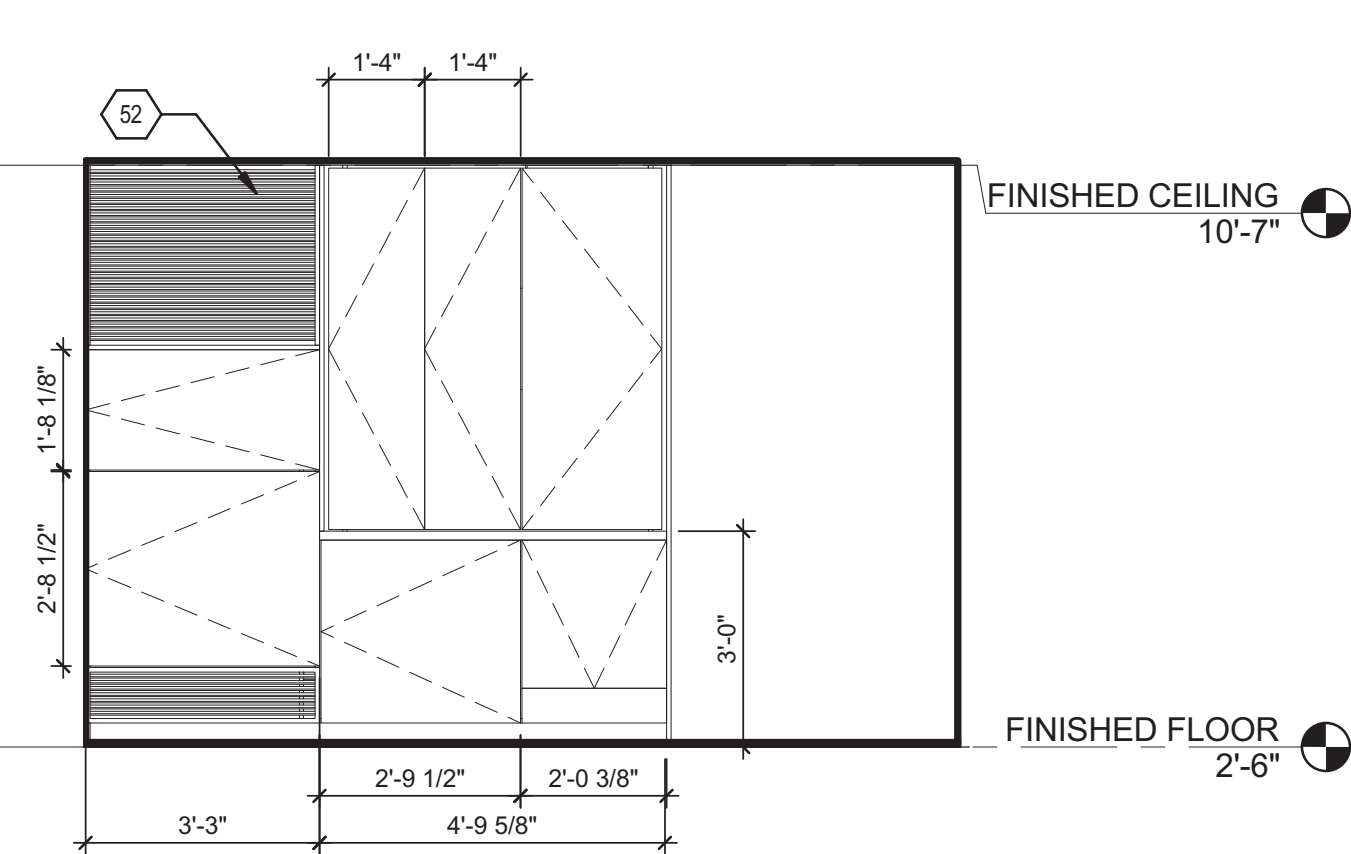
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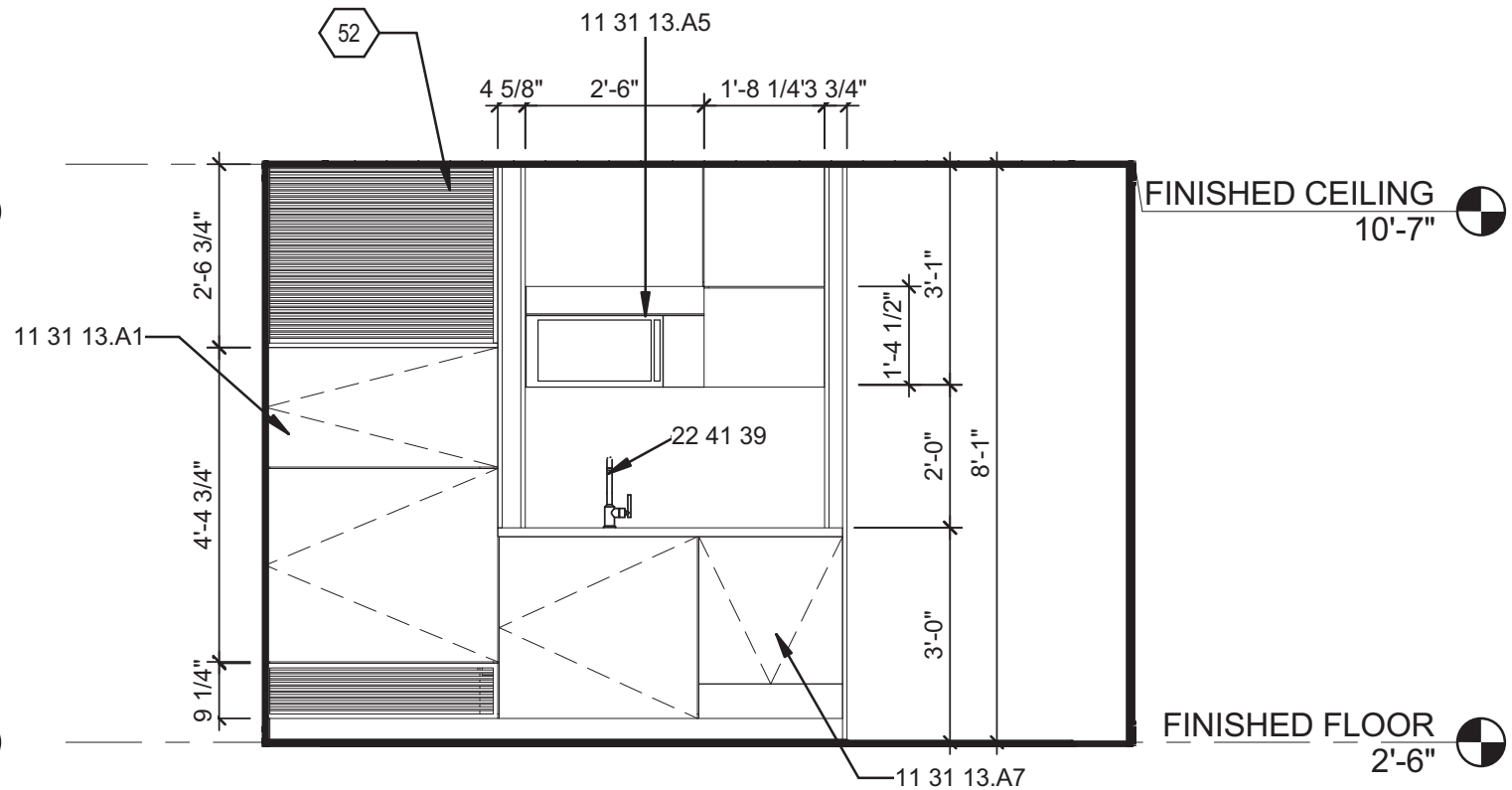
C1 WEST CORE ENLARGED PLAN
1/2" = 1'-0"



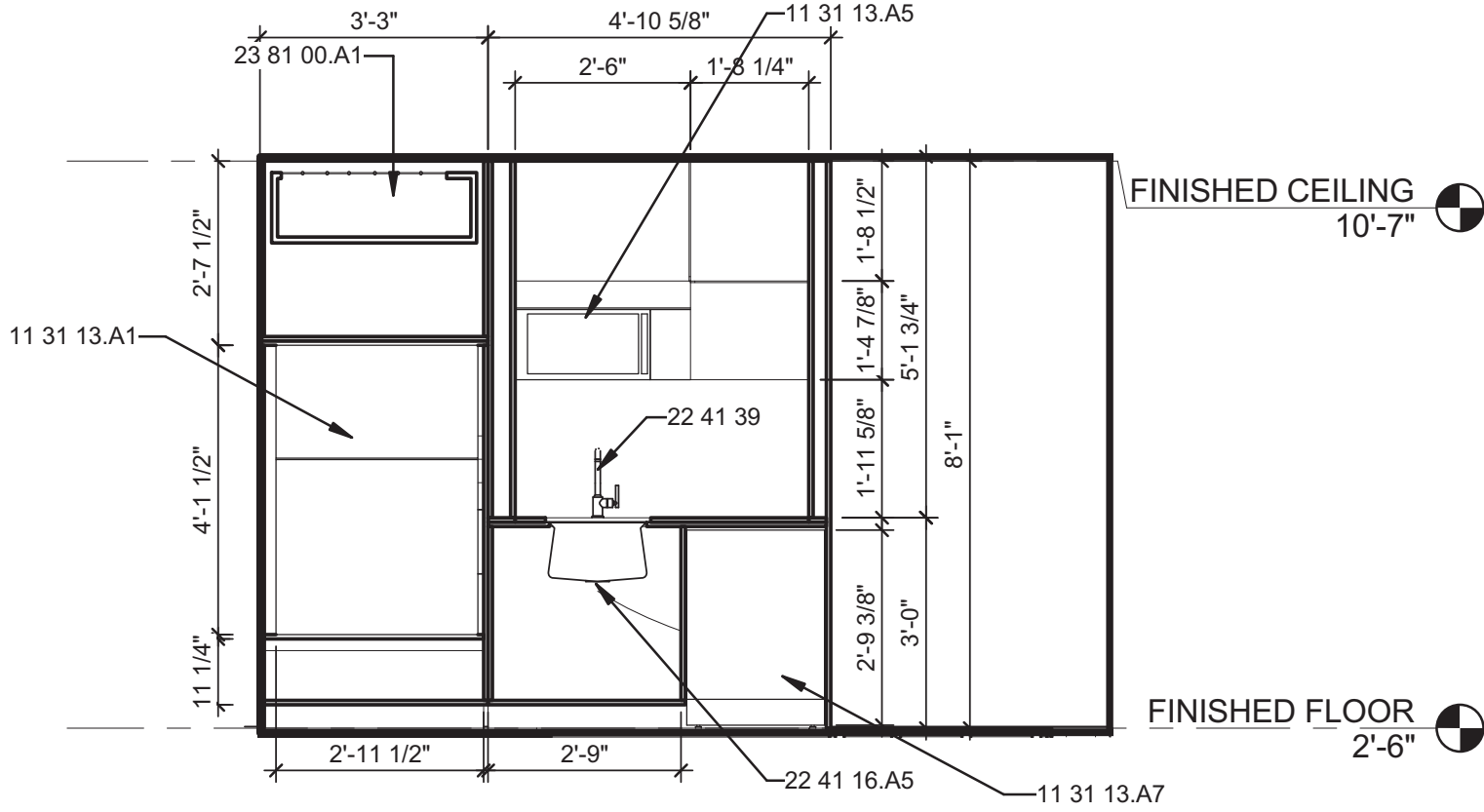
C5 ENTRANCE TO MECHANICAL ROOM
3/8" = 1'-0"



A1 KITCHEN CABINETRY
3/8" = 1'-0"



A2 KITCHEN CABINETRY BEHIND DOORS
3/8" = 1'-0"



A5 KITCHEN CABINETRY WITHOUT DOORS
3/8" = 1'-0"



GENERAL SHEET NOTES

REFERENCE KEYNOTES

08 32 13	SLIDING ALUMINUM-FRAMED GLASS DOORS
08 32 13.A1	SLIDING GLASS DOOR HANDLE
11 31 13.A1	REFRIGERATOR
11 31 13.A5	OVEN
11 31 13.A7	DISHWASHER
22 41 16.A5	UNDER COUNTER SINK
22 41 39	RESIDENTIAL FAUCETS, SUPPLIES AND TRIM
23 81 00.A1	DUCTLESS MINI-SPLIT INDOOR UNIT

SHEET KEYNOTES

52	WOOD GRILLE
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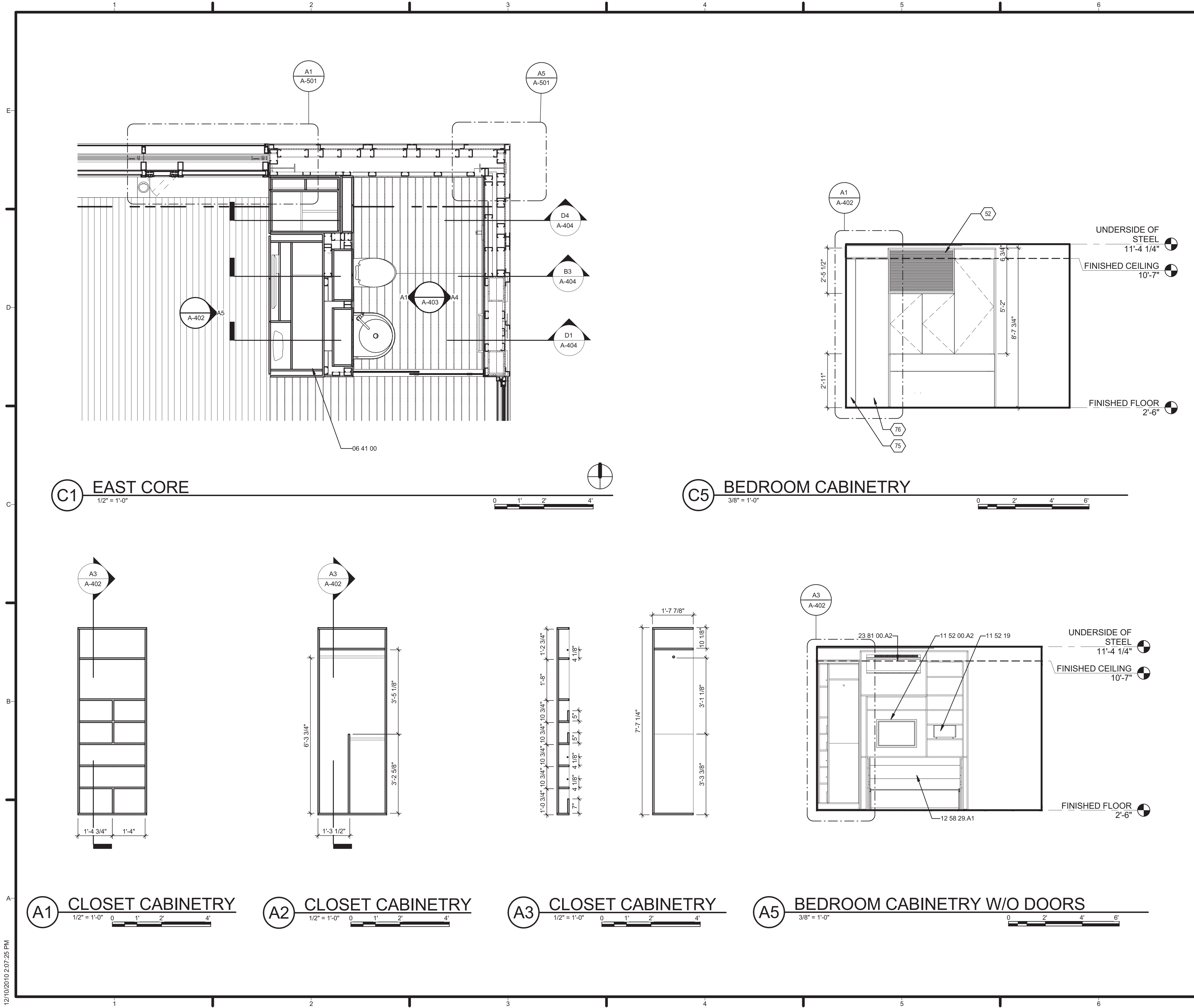
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SHEET TITLE

ENLARGED WEST
CORE PLAN AND
ELEVATIONS

A-401



GENERAL SHEET NOTES

REFERENCE KEYNOTES

06 41 00	ARCHITECTURAL WOOD CASEWORK
11 52 00.A2	COMBINATION UNIT
11 52 19	PLAYERS AND RECORDERS
12 58 29.A1	MURPHY BED
23 81 00.A2	

SHEET KEYNOTES

52	WOOD GRILLE
75	SLIDE OUT CLOSET, REF. DETAILS A1 & A3/A-402
76	SLIDE OUT CLOSET, REF. DETAILS A2 & A3/A-402



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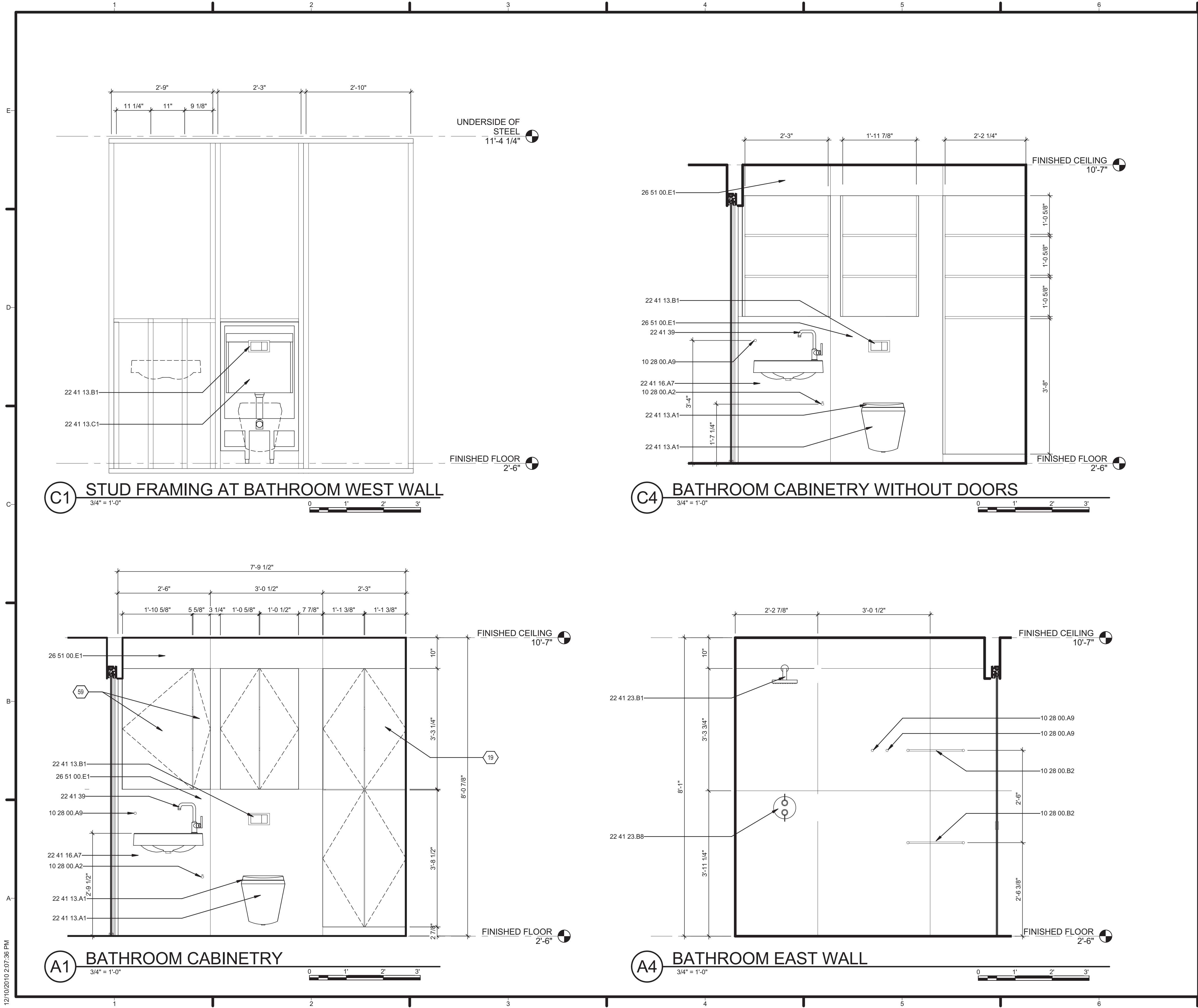


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SHEET TITLE
ENLARGED EAST CORE
PLAN AND ELEVATIONS

A-402



GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 10 28 00.A2 TOILET TISSUE DISPENSER
- 10 28 00.A9 HANGER
- 10 28 00.B2 TOWEL BAR
- 22 41 13.A1 WATER CLOSET
- 22 41 13.B1 WALL-MOUNTED WATER CLOSET TRIP LEVER
- 22 41 13.C1 WATER CLOSET TANK
- 22 41 16.A7 WALL MOUNT SINK
- 22 41 23.B1 SHOWER
- 22 41 23.B8 SHOWER CONTROL
- 22 41 39 RESIDENTIAL FAUCETS, SUPPLIES AND TRIM
- 26 51 00.E1 10" LED LIGHT FIXTURE IN CUSTOM ALUMINUM CHANNEL WITH 1/2" FROSTED TEMPERED GLASS COVER

SHEET KEYNOTES

- 19 FLUSH OVERLAY PANEL, 8MM WOOD PANEL VENEER ON 1/2" CABINETRY, TYP.
- 59 MIRROR



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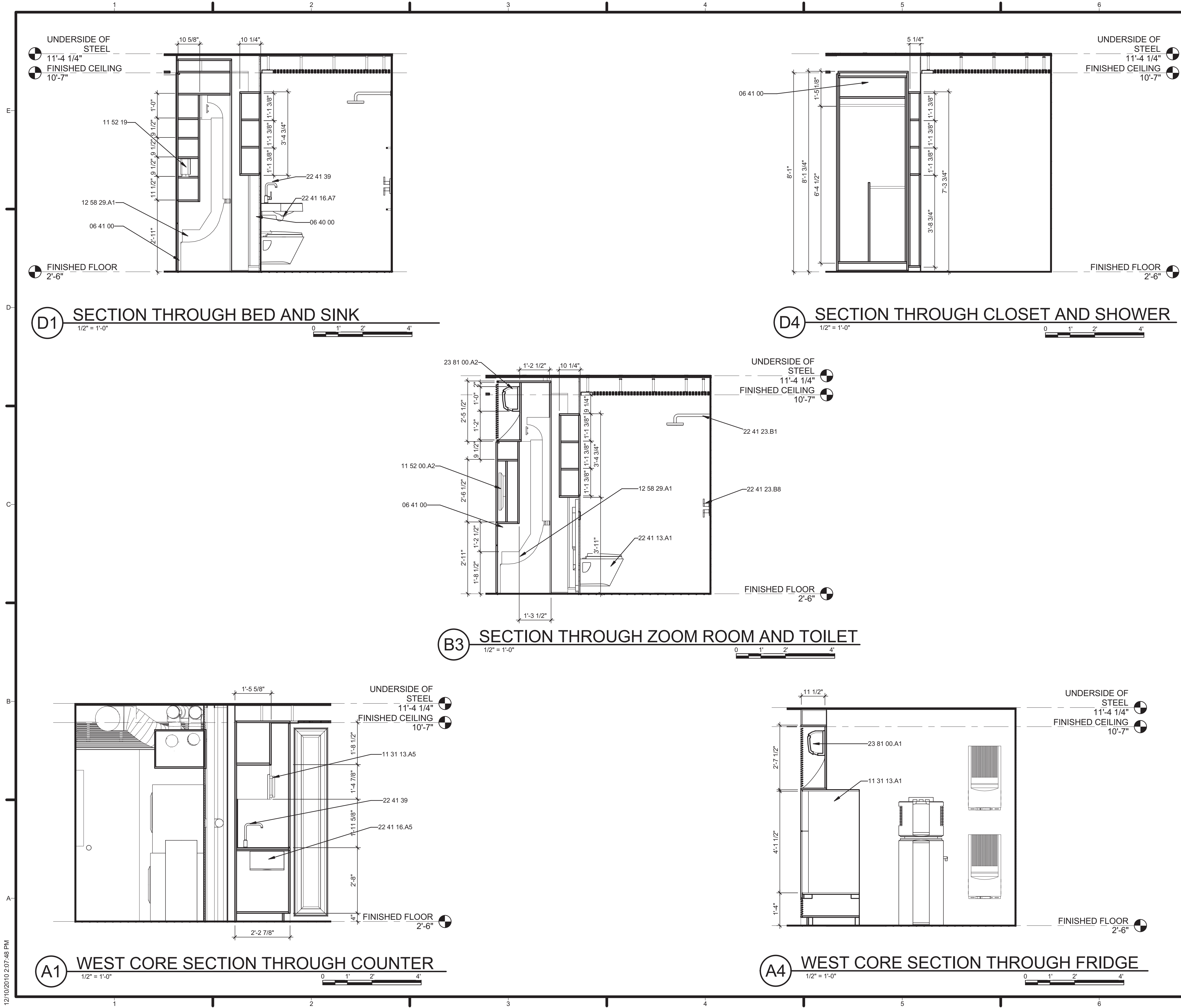
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SHEET TITLE
 BATHROOM
 ELEVATIONS

A-403

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GENERAL SHEET NOTES

1. REFERENCE 'M' SERIES AND 'E' SERIES DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT

REFERENCE KEYNOTES

06 40 00	ARCHITECTURAL WOODWORK
06 41 00	ARCHITECTURAL WOOD CASEWORK
11 31 13.A1	REFRIGERATOR
11 31 13.A5	OVEN
11 52 00.A2	COMBINATION UNIT
11 52 19	PLAYERS AND RECORDERS
12 58 29.A1	MURPHY BED
22 41 13.A1	WATER CLOSET
22 41 16.A5	UNDER COUNTER SINK
22 41 16.A7	WALL MOUNT SINK
22 41 23.B1	SHOWER
22 41 23.B8	SHOWER CONTROL
22 41 39	RESIDENTIAL FAUCETS, SUPPLIES AND TRIM
23 81 00.A1	DUCTLESS MINI-SPLIT INDOOR UNIT
23 81 00.A2	

SHEET KEYNOTES



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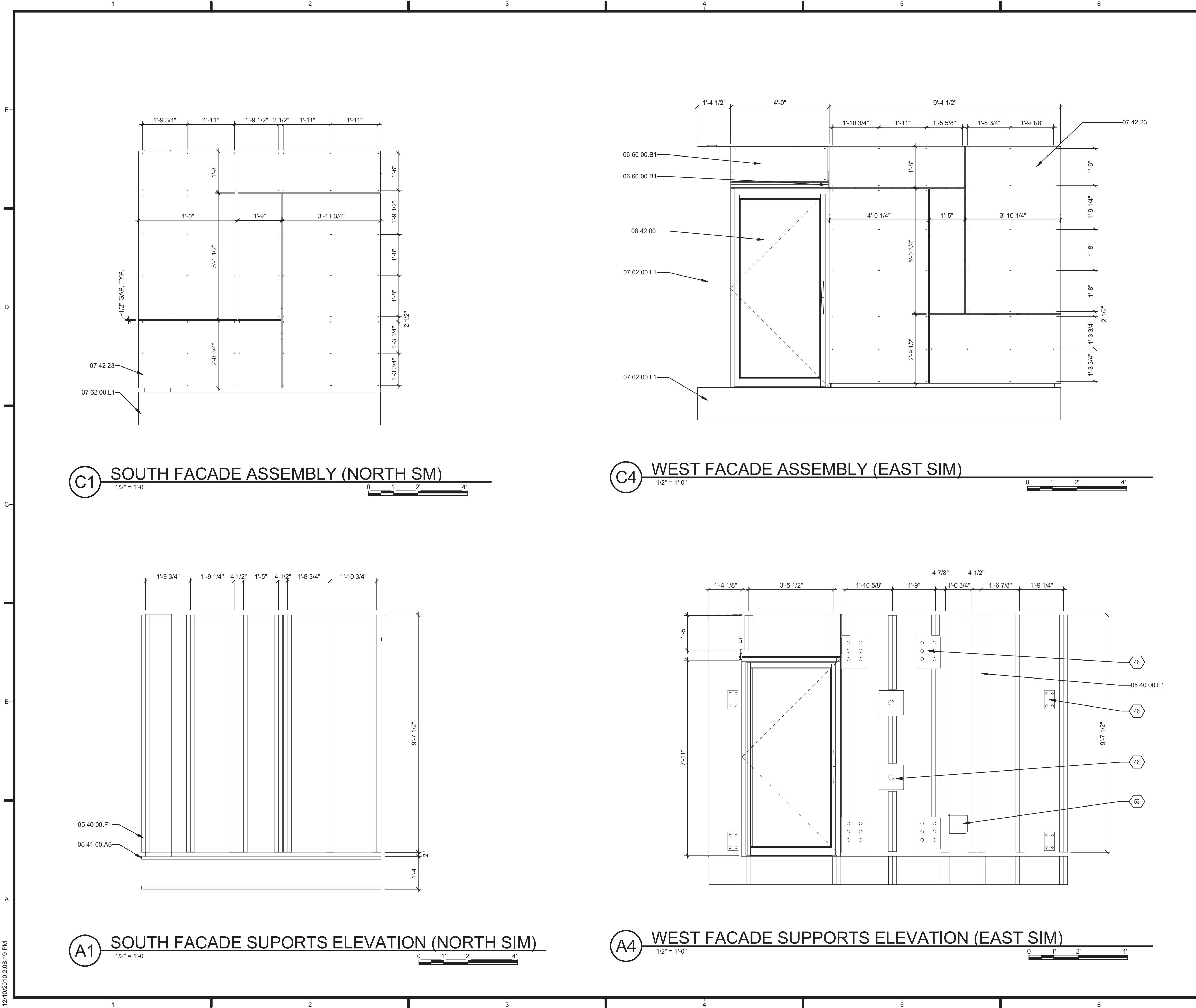
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SHEET TITLE

CORE SECTIONS

A-404



GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 40 00.F1	2" Z-CHANNEL
05 41 00.A5	3-5/8" METAL STUD
06 60 00.B1	1/4" ACRYLIC PANEL, FROSTED
07 42 23	WOOD WALL PANELS
07 62 00.L1	ALUMINUM PANEL
08 42 00	ENTRANCES

SHEET KEYNOTES

46	STEEL PLATE FOR TRAILER CONNECTION ASSEMBLY, REFERENCE STRUCTURAL
53	REFRIGERANT LINE SERVICE BOX



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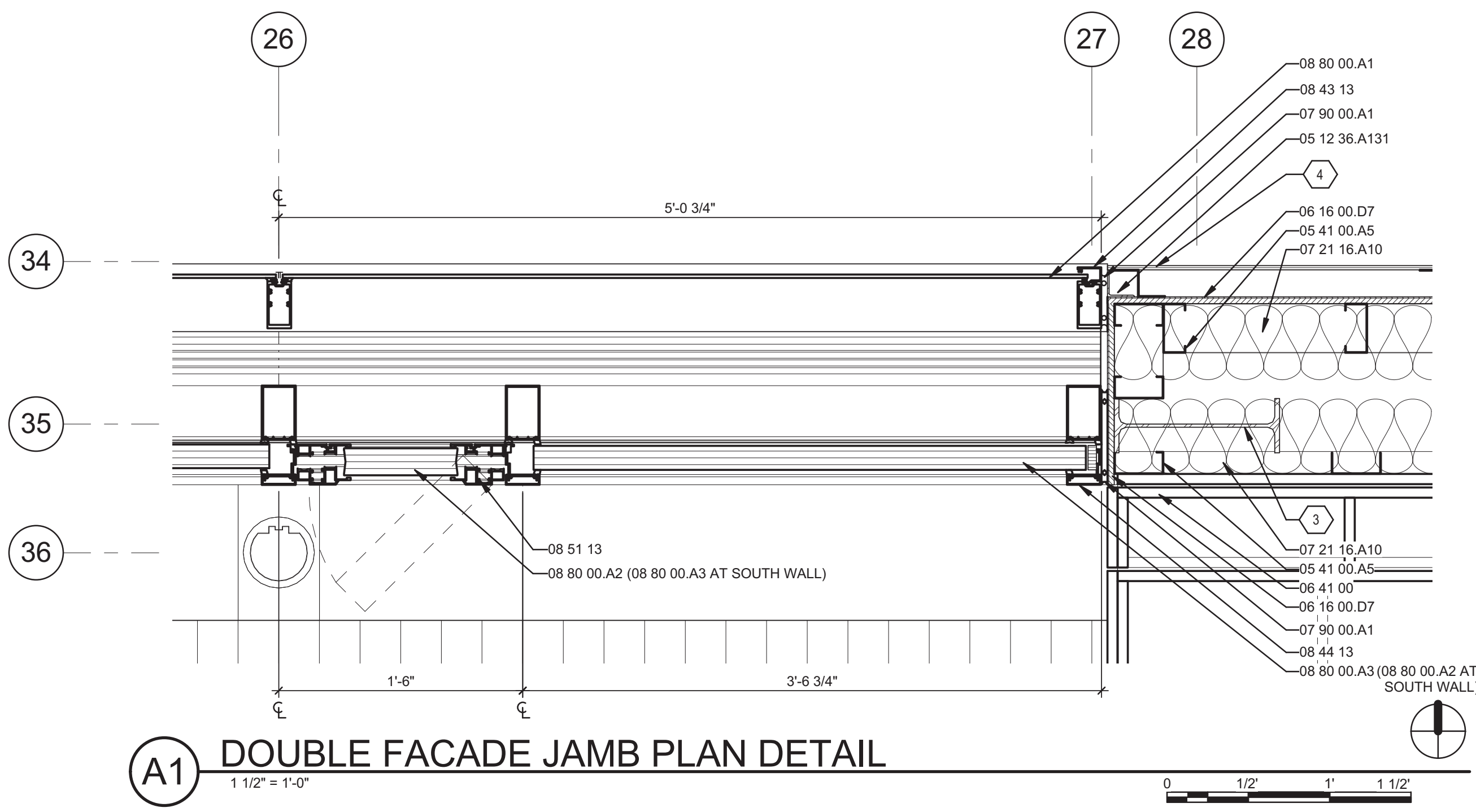
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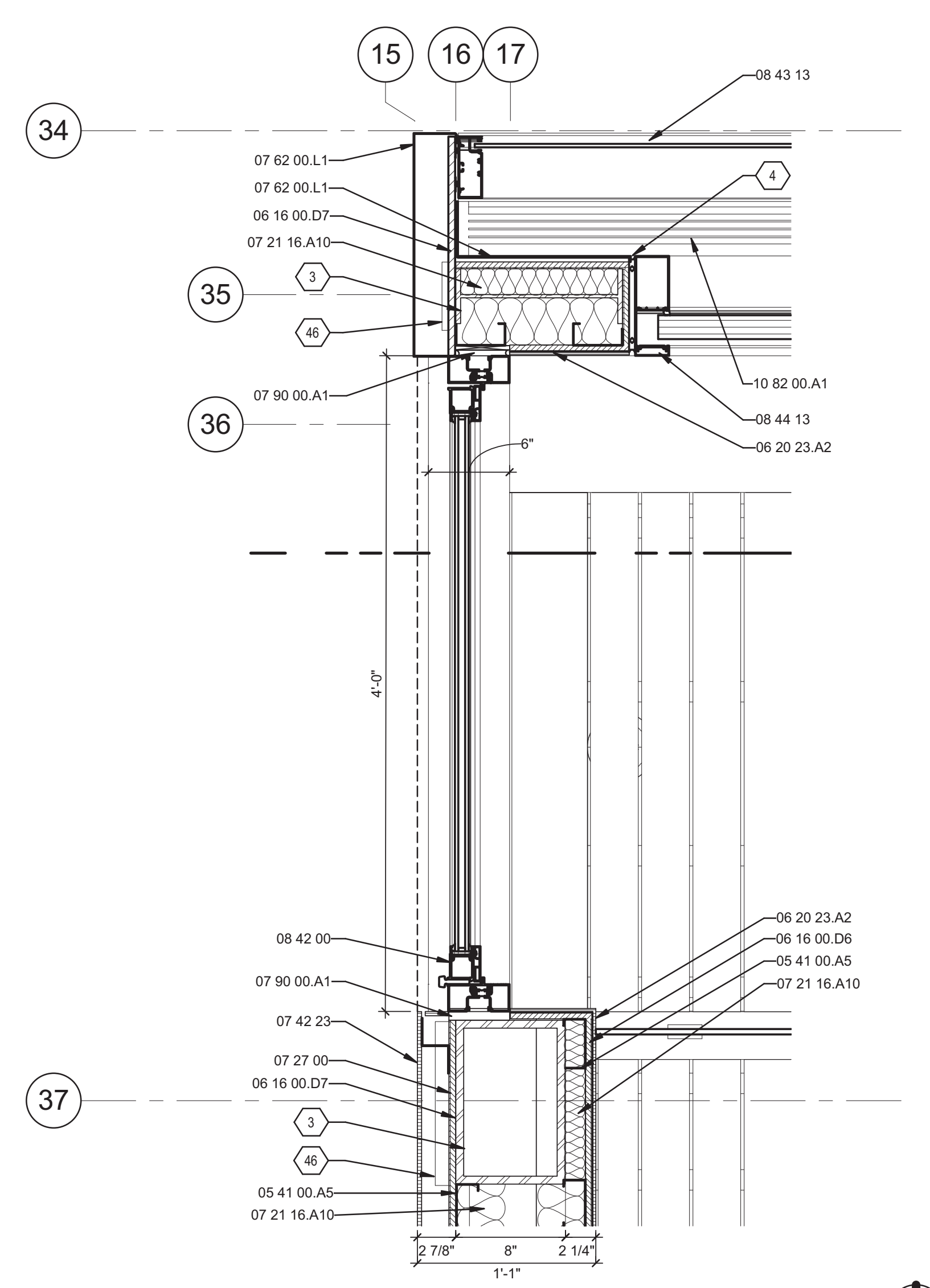
ENLARGED CORE
EXTERIOR ELEVATIONS

A-405

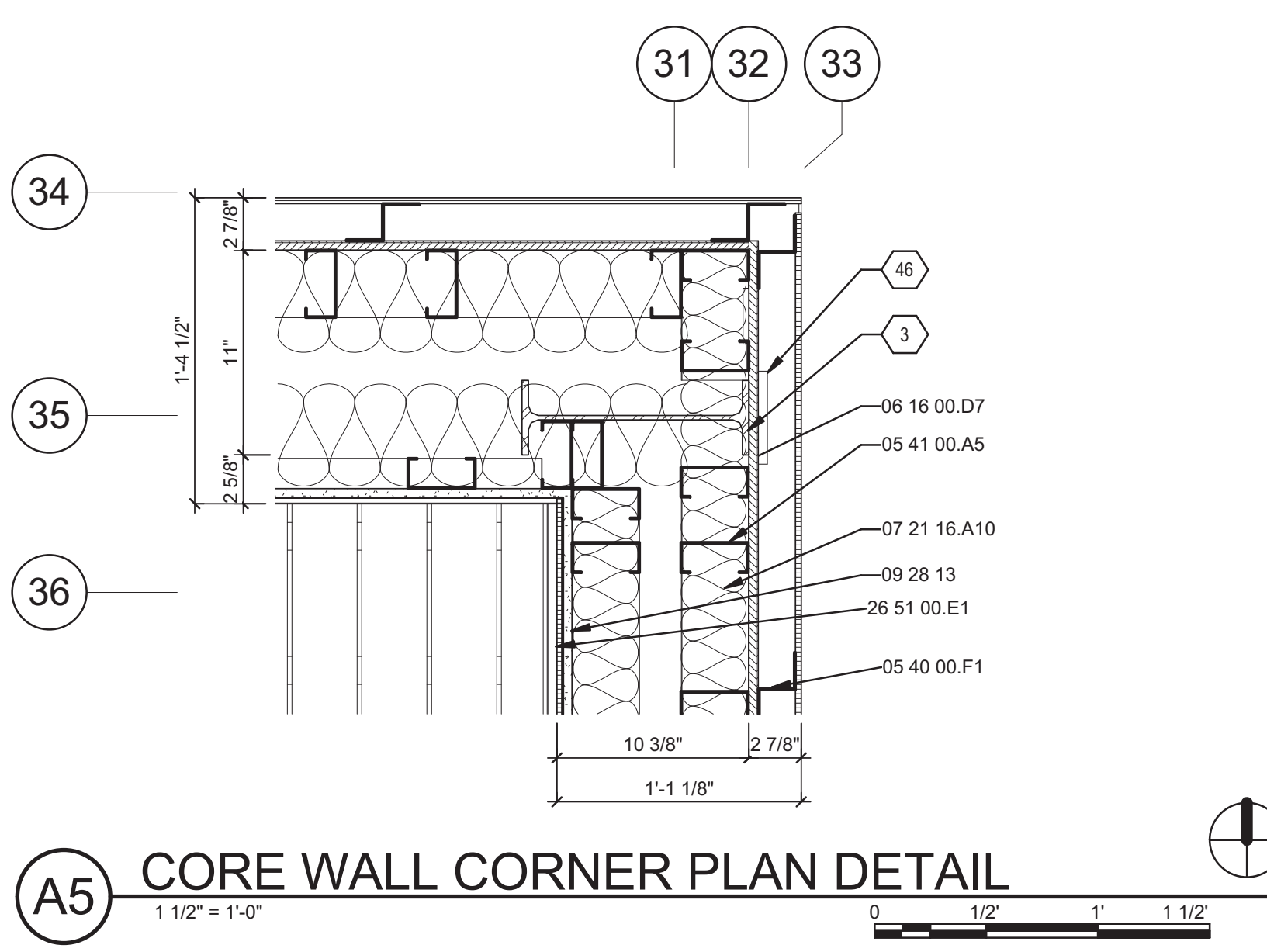
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A1 DOUBLE FACADE JAMB PLAN DETAIL
1 1/2" = 1'-0"



B5 PLAN DETAIL AT ENTRANCE DOOR
1 1/2" = 1'-0"



A5 CORE WALL CORNER PLAN DETAIL
1 1/2" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 12 36.A131	L2X2X0.125
05 40 00.F1	2" Z-CHANNEL
05 41 00.A5	3-5/8" METAL STUD
06 16 00.D6	1/2" PLYWOOD
06 16 00.D7	1/2" EXTERIOR GRADE PLYWOOD
06 20 23.A2	1/4" FINISHED PLYWOOD
06 41 00	ARCHITECTURAL WOOD CASEWORK
07 21 16.A10	BATT INSULATION
07 27 00	AIR BARRIERS
07 42 23	WOOD WALL PANELS
07 62 00.L1	ALUMINUM PANEL
07 90 00.A1	1/2" SEALANT WITH BACKER ROD
08 42 00	ENTRANCES
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 44 13	GLAZED ALUMINUM CURTAIN WALLS
08 51 13	ALUMINUM WINDOWS
08 80 00.A1	8MM SINGLE PANE GLASS
08 80 00.A2	2" SUSPENDED FILM GLASS
08 80 00.A3	2" SUSPENDED FILM GLASS, TRANSLUSCENT
09 28 13	CEMENTITIOUS BACKING BOARDS
10 82 00.A1	ALUMINUM GRILLE
26 51 00.E1	10" LED LIGHT FIXTURE IN CUSTOM ALUMINUM CHANNEL WITH 1/2" FROSTED TEMPERED GLASS COVER

SHEET KEYNOTES

3	STEEL COLUMN, REFERENCE STRUCTURAL
4	ALIGN FACE OF PANEL WITH FACE OF STOREFRONT
46	STEEL PLATE FOR TRAILER CONNECTION ASSEMBLY, REFERENCE STRUCTURAL



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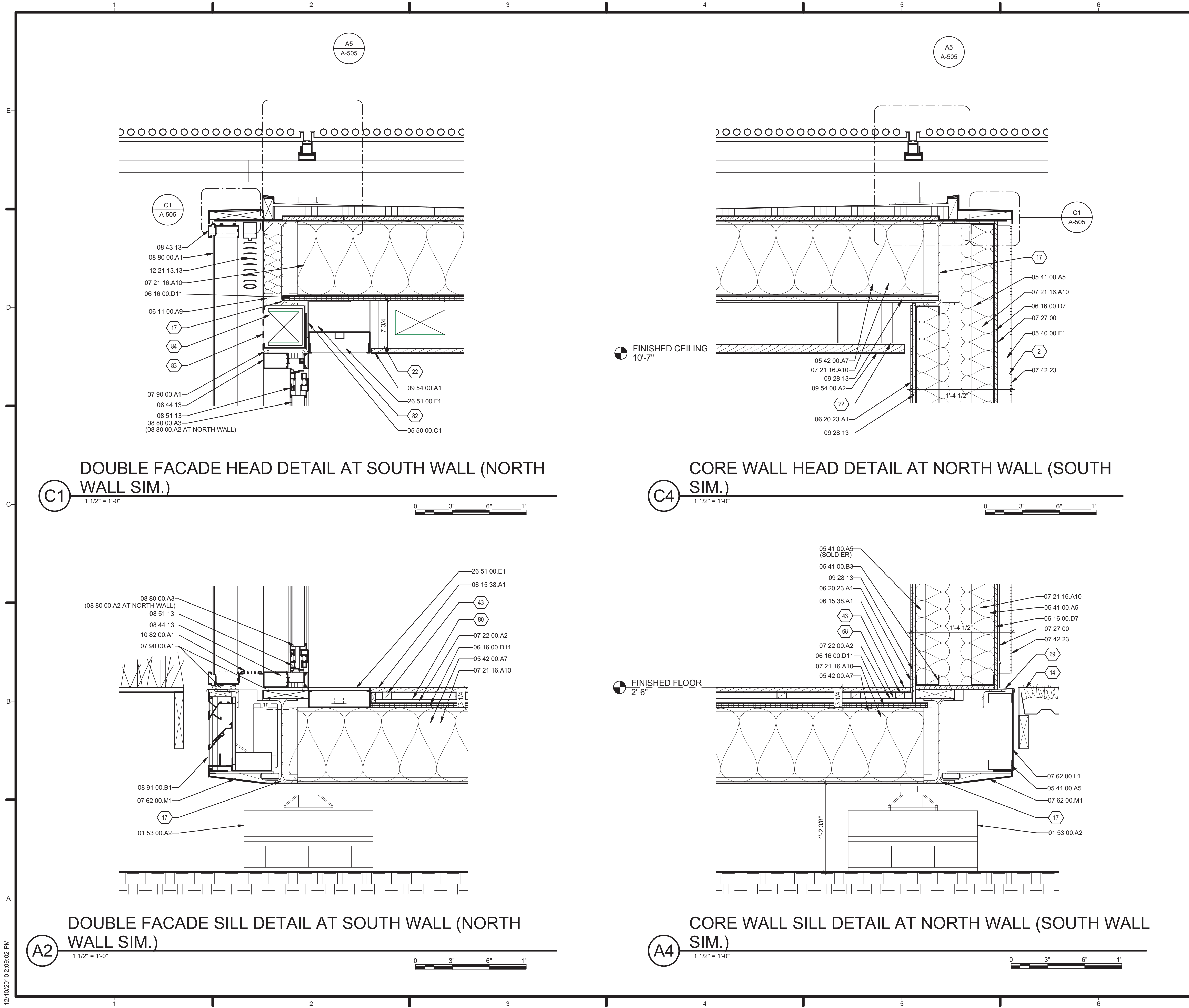


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PLAN DETAILS

A-501



GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 01 53 00.A2 ADJUSTABLE BUILDING FOOTING
- 05 12 00.A5 HSS4X0.220 CROSS BRACING
- 05 40 00.F1 2" Z-CHANNEL
- 05 41 00.A5 3-5/8" METAL STUD
- 05 41 00.B3 3-5/8" CHANNEL STUD
- 05 42 00.A7 12" "C" JOIST, 16" O.C.
- 05 50 00.C1 4" ADJUSTABLE Z-CLIP COMPOSED OF TWO 6" X 7" X 3/16" STEEL ANGLES, 30" O.C.
- 06 11 00.A9 PRESSURE TREATED BLOCKING
- 06 15 38.A1 1 X 4 WOOD DECKING
- 06 16 00.D7 1/2" EXTERIOR GRADE PLYWOOD
- 06 16 00.D11 3/4" PLYWOOD
- 06 20 23.A1 INTERIOR WOOD FINISH
- 07 21 16.A10 BATT INSULATION
- 07 22 00.A2 TAPERED RIGID INSULATION
- 07 27 00 AIR BARRIERS
- 07 42 23 WOOD WALL PANELS
- 07 62 00.L1 ALUMINUM PANEL
- 07 62 00.M1 SHEET METAL BELLY PAN
- 07 90 00.A1 1/2" SEALANT WITH BACKER ROD
- 08 43 13 ALUMINUM-FRAMED STOREFRONTS
- 08 44 13 GLAZED ALUMINUM CURTAIN WALLS
- 08 51 13 ALUMINUM WINDOWS
- 08 80 00.A1 8MM SINGLE PANE GLASS
- 08 80 00.A3 2" SUSPENDED FILM GLASS, TRANSLUCENT
- 08 91 00.B1 CEMENTITIOUS BACKING BOARDS
- 09 28 13 SUSPENDED PLANK ACOUSTICAL WOOD CEILING
- 09 54 00.A1 SUSPENDED GRILLE WOOD CEILING
- 09 54 00.A2 ALUMINUM GRILLE
- 10 82 00.A1 METAL HORIZONTAL LOUVER BLINDS
- 12 21 13.13 10" LED LIGHT FIXTURE IN CUSTOM ALUMINUM CHANNEL WITH 1/2" FROSTED TEMPERED GLASS COVER
- 26 51 00.E1 10" LED LIGHT FIXTURE WITH LOUVER BAFFLE

SHEET KEYNOTES

- 2 WOOD FACADE PANELS ATTACHED ON 2" VERTICAL Z-CHANNEL SUPPORTS. REFERENCE A-404 FOR SUPPORT LOCATIONS
- 14 WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
- 17 STEEL BEAM, REFERENCE STRUCTURAL
- 18 CUSTOM LED LIGHT TROUGH
- 22 SUSPENDED WOOD CEILING HUNG FROM 1 X 2 METAL STUDS, REFERENCE A1/A-112
- 43 SLOPED STRINGER, WATERPROOFED
- 68 WATERPROOF MEMBRANE - TURN UP 6" BEHIND WALL FINISH
- 69 FLASHING, TURN UP 6" BEHIND AIR BARRIER
- 80 WATERPROOF MEMBRANE, TERMINATE AT TOP OF CURB
- 82 BLOCKING FOR LIGHT TROUGH, BEYOND
- 83 PERFORATED ALUMINUM CLOSURE PANEL
- 84 INSULATED DUCT, REFERENCE MECHANICAL



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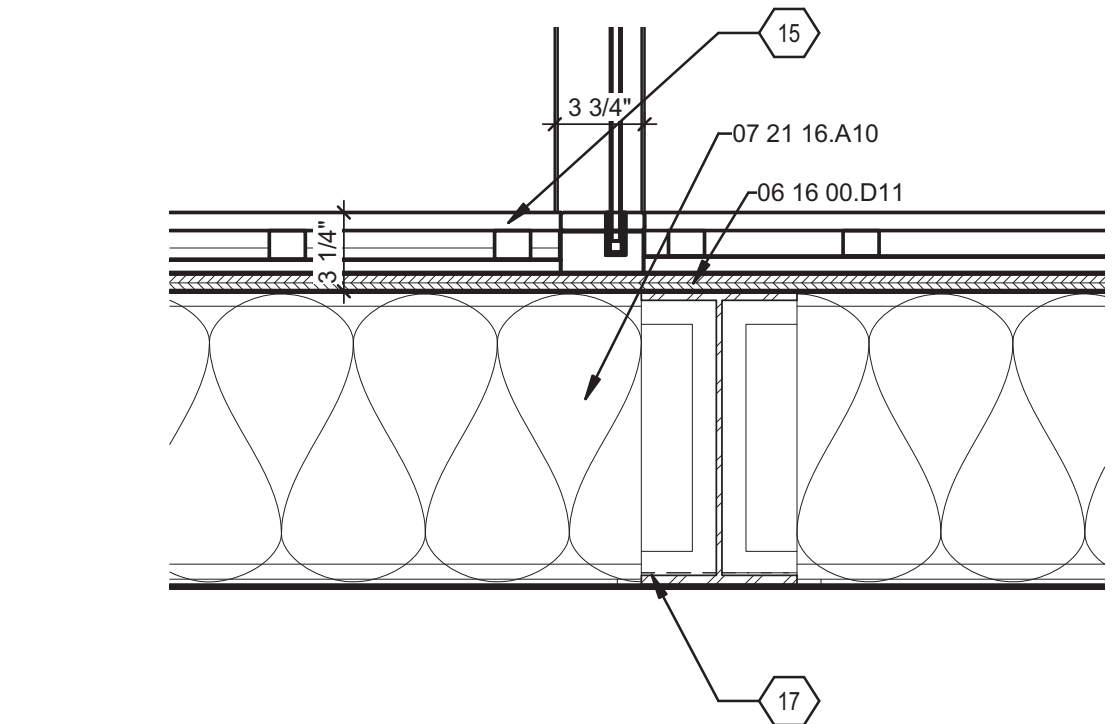
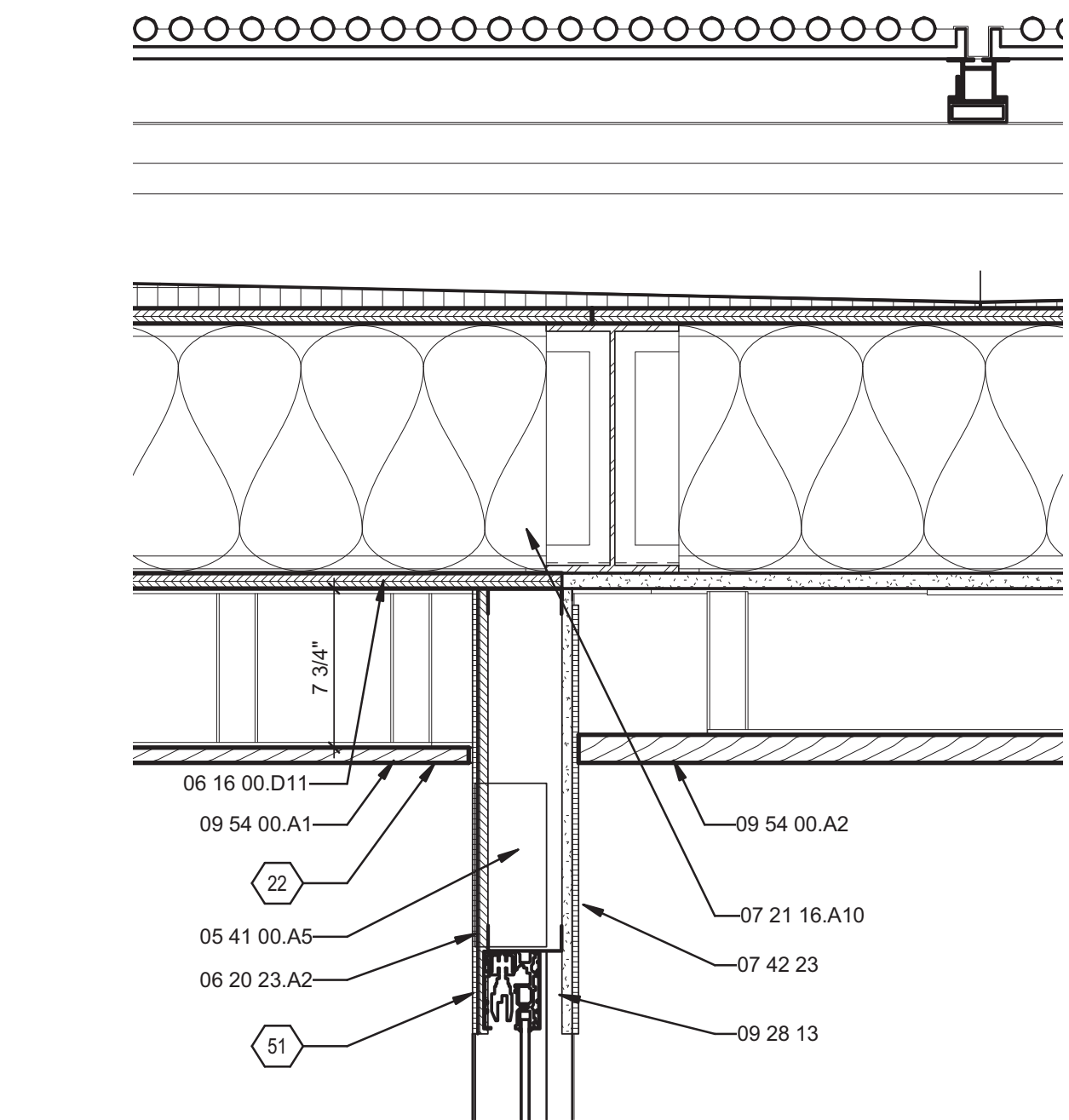
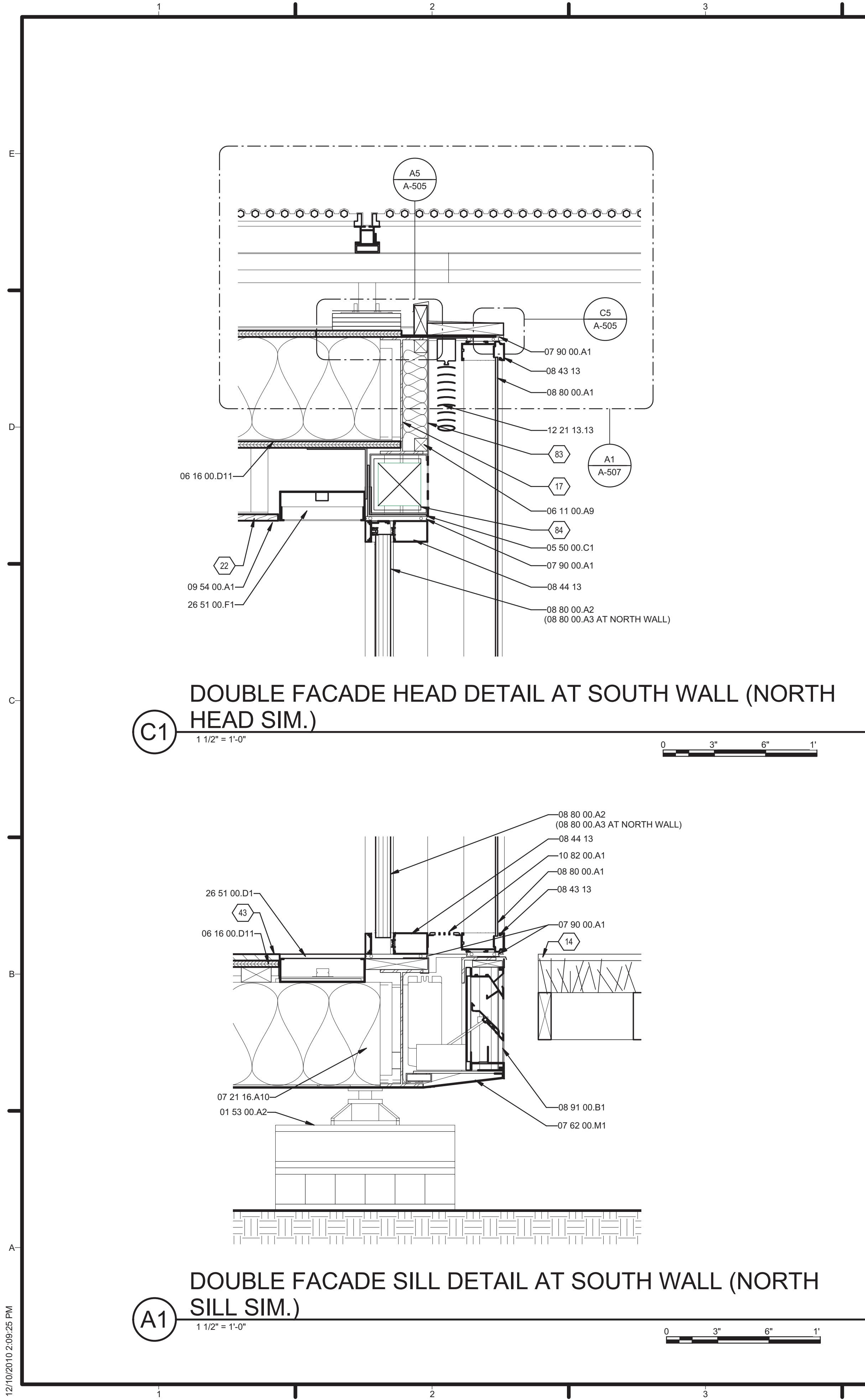
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SHEET TITLE
WALL DETAILS

A-502

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GENERAL SHEET NOTES

REFERENCE KEYNOTES

01 53 00.A2	ADJUSTABLE BUILDING FOOTING
05 41 00.A5	3-5/8" METAL STUD
05 50 00.C1	4" ADJUSTABLE Z-CLIP COMPOSED OF TWO 6" X 7" X 3/16" STEEL ANGLES, 30" O.C.
06 11 00.A9	PRESSURE TREATED BLOCKING
06 16 00.D11	3/4" PLYWOOD
06 20 23.A2	1/4" FINISHED PLYWOOD
07 21 16.A10	BATT INSULATION
07 42 23	WOOD WALL PANELS
07 62 00.M1	SHEET METAL BELLY PAN
07 90 00.A1	1/2" SEALANT WITH BACKER ROD
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 44 13	GLAZED ALUMINUM CURTAIN WALLS
08 80 00.A2	8MM SINGLE PANE GLASS
08 80 00.A2	2" SUSPENDED FILM GLASS
08 91 00.B1	CEMENTITIOUS BACKING BOARDS
09 28 13	SUSPENDED PLANK ACOUSTICAL WOOD CEILING
09 54 00.A1	SUSPENDED GRILLE WOOD CEILING
09 54 00.A2	ALUMINUM GRILLE
10 82 00.A1	METAL HORIZONTAL LOUVER BLINDS
12 21 13.13	LED LIGHT STRIP
26 51 00.D1	10" LED LIGHT FIXTURE WITH LOUVER BAFFLE
26 51 00.F1	

SHEET KEYNOTES

14	WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
15	INTERIOR DRAINAGE FLOOR, REFERENCE P-501 & P-502
17	STEEL BEAM, REFERENCE STRUCTURAL
22	SUSPENDED WOOD CEILING HUNG FROM 1 X 2 METAL STUDS, REFERENCE A1/A-112
43	SLOPED STRINGER, WATERPROOFED
51	CONDITION ABOVE BATHROOM DOOR, WOOD LOUVER PANEL AT MECHANICAL ROOM DOOR, BOTH SIDES
83	PERFORATED ALUMINUM CLOSURE PANEL
84	INSULATED DUCT, REFERENCE MECHANICAL



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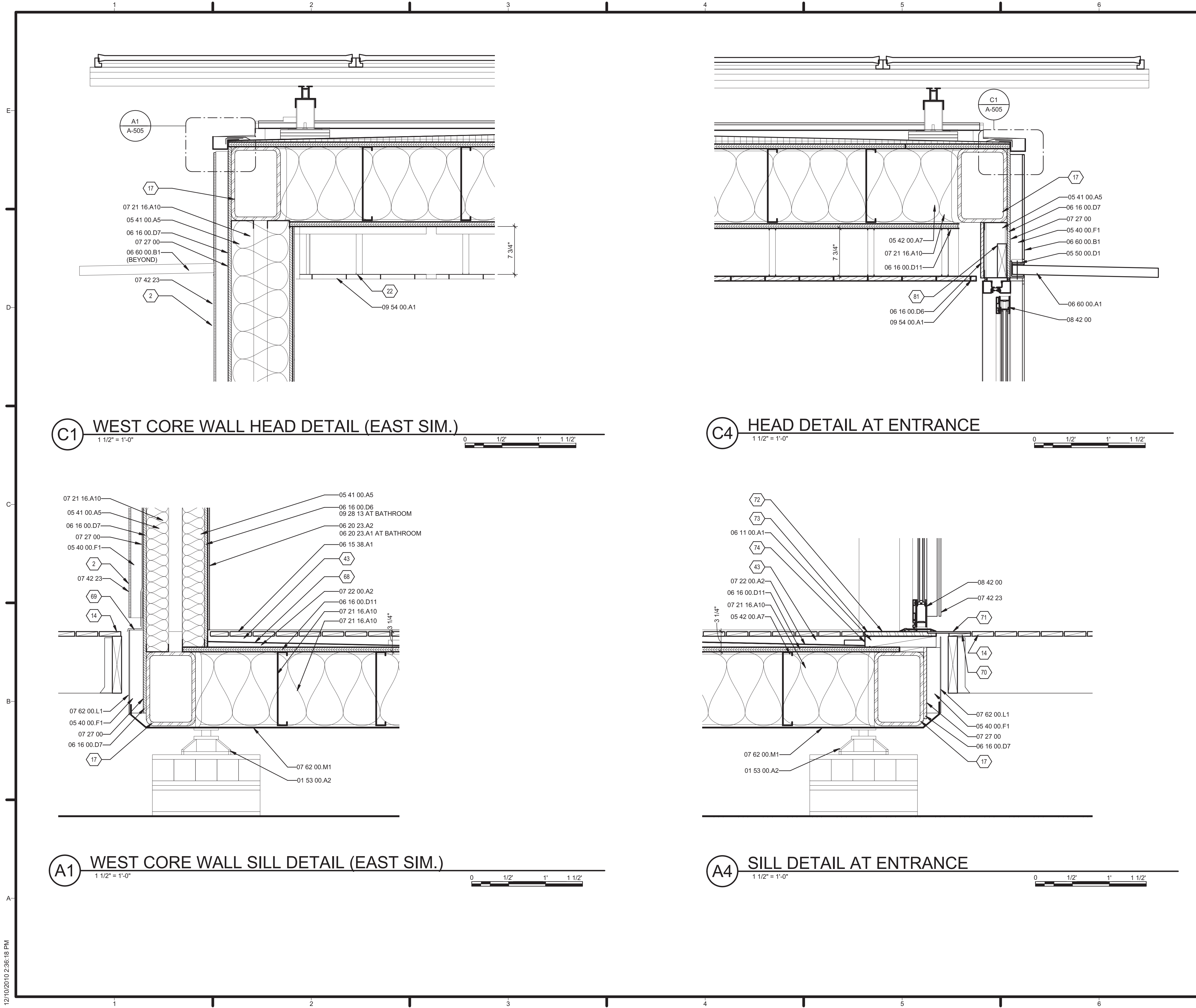
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SHEET TITLE

WALL DETAILS

A-503



GENERAL SHEET NOTES

REFERENCE KEYNOTES

01 53 00.A2	ADJUSTABLE BUILDING FOOTING
05 10 00	STRUCTURAL METAL FRAMING
05 12 76.M70	W14X22
05 40 00.F1	2" Z-CHANNEL
05 41 00.A5	3-5/8" METAL STUD
05 42 00.A7	12" "C" JOIST, 16" O.C.
05 50 00.D1	STEEL ANGLE AND FUR BAR CANOPY ATTACHMENT
06 11 00.A1	BLOCKING
06 15 38.A1	1 X 4 WOOD DECKING
06 16 00.D6	1/2" PLYWOOD
06 16 00.D7	1/2" EXTERIOR GRADE PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 20 23.A2	1/4" FINISHED PLYWOOD
06 60 00.A1	1-1/2" ACRYLIC AWNING, FROSTED
06 60 00.B1	1/4" ACRYLIC PANEL, FROSTED
07 21 16.A10	BATT INSULATION
07 22 00.A2	TAPERED RIGID INSULATION
07 27 00	AIR BARRIERS
07 42 23	WOOD WALL PANELS
07 62 00.L1	ALUMINUM PANEL
07 62 00.M1	SHEET METAL BELLY PAN
08 42 00	ENTRANCES
09 54 00.A1	SUSPENDED PLANK ACOUSTICAL WOOD CEILING

SHEET KEYNOTES

2	WOOD FACADE PANELS ATTACHED ON 2" VERTICAL Z-CHANNEL SUPPORTS. REFERENCE A-404 FOR SUPPORT LOCATIONS
14	WOOD DECK, REFERENCE 'L' SERIES DRAWINGS
17	STEEL BEAM, REFERENCE STRUCTURAL
22	SUSPENDED WOOD CEILING HUNG FROM 1 X 2 METAL STUDS, REFERENCE A1/A-112
30	METAL PLATE TO BE ATTACHED AT SITE AFTER DECK IS IN PLACE
43	SLOPED STRINGER, WATERPROOFED
68	WATERPROOF MEMBRANE - TURN UP 6" BEHIND WALL FINISH
69	FLASHING, TURN UP 6" BEHIND AIR BARRIER
70	PLANE DOWN TO ACCEPT FLUSH SILL EXTENSION
71	ALUMINUM SILL EXTENSION. AFFIX ON DECK, ALLOW TO SLIDE UNDER ALUMINUM DOOR THRESHOLD
72	CYPRESS DOOR SILL, RABBET TO ALLOW SILL EXTENSION TO PASS UNDER ALUMINUM THRESHOLD
73	ALIGN WITH DEEP JAMB BEYOND
74	TERMINATE WATERPROOF MEMBRANE ON TOP OF PRESSURE TREATED BLOCKING FOR CANOPY SUPPORT
81	



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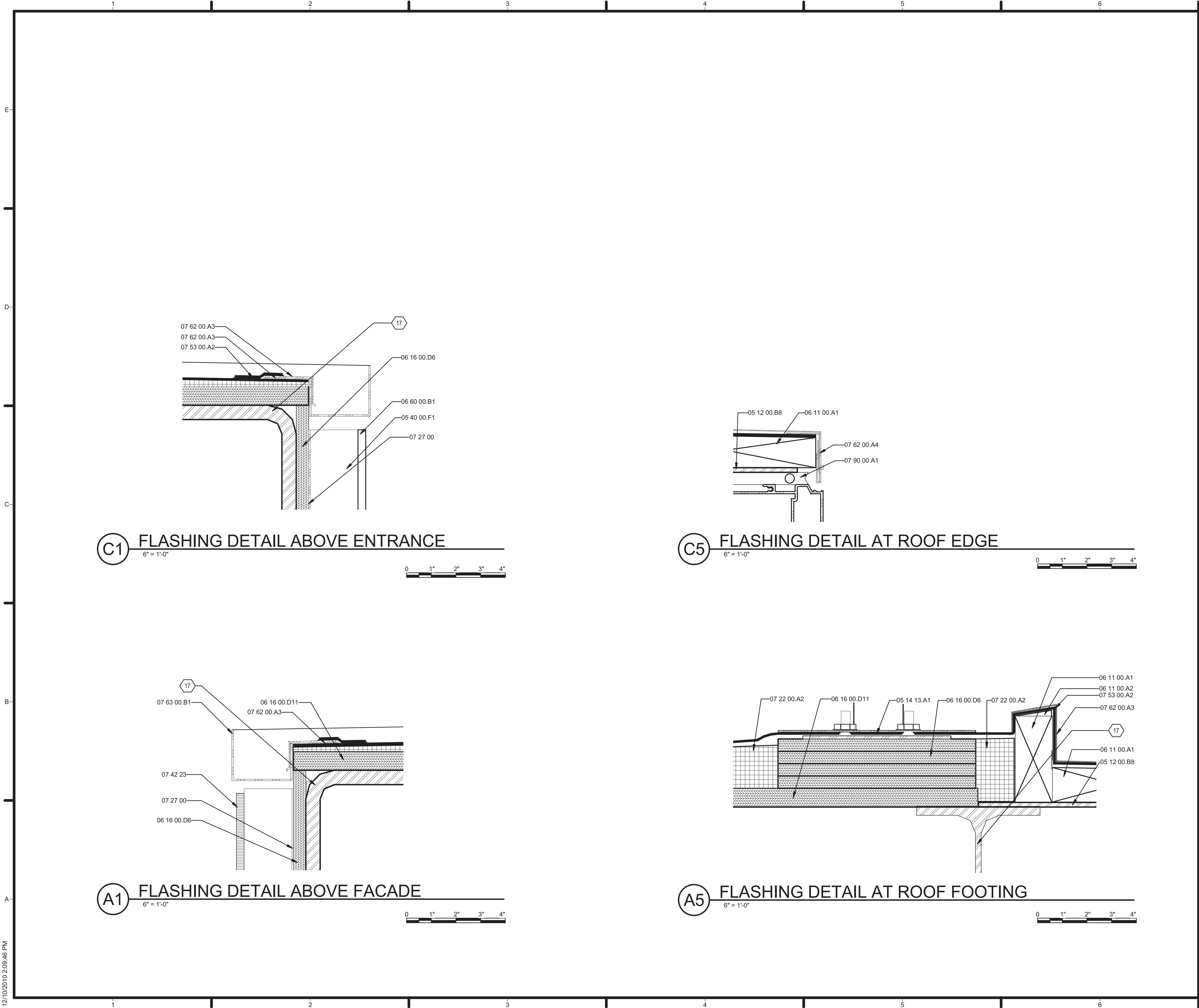
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SHEET TITLE

WALL DETAILS

A-504



GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 12 00.B8	PLATE 1/4" X 11" X CONT.
05 14 13.A1	PV RACK FOOT
05 40 00.F1	2" Z-CHANNEL
06 11 00.A1	BLOCKING
06 11 00.A2	SHIM AS REQUIRED
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
06 60 00.B1	1/4" ACRYLIC PANEL, FROSTED
07 22 00.A2	TAPERED RIGID INSULATION
07 27 00	AIR BARRIERS
07 42 23	WOOD WALL PANELS
07 53 00.A2	EPDM ROOFING
07 62 00.A3	ALUMINUM FLASHING, 20 GA.
07 62 00.A4	ALUMINUM COUNTER FLASHING, 20 GA.
07 62 00.A5	ALUMINUM CONTINUOUS CLEAT, 20 GA.
07 63 00.B1	ALUMINUM GUTTER
07 90 00.A1	1/2" SEALANT WITH BACKER ROD
08 43 13	ALUMINUM-FRAMED STOREFRONTS

SHEET KEYNOTES

17	STEEL BEAM, REFERENCE STRUCTURAL
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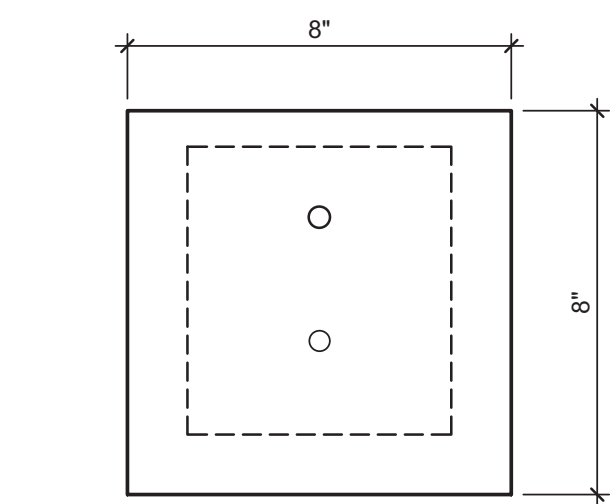
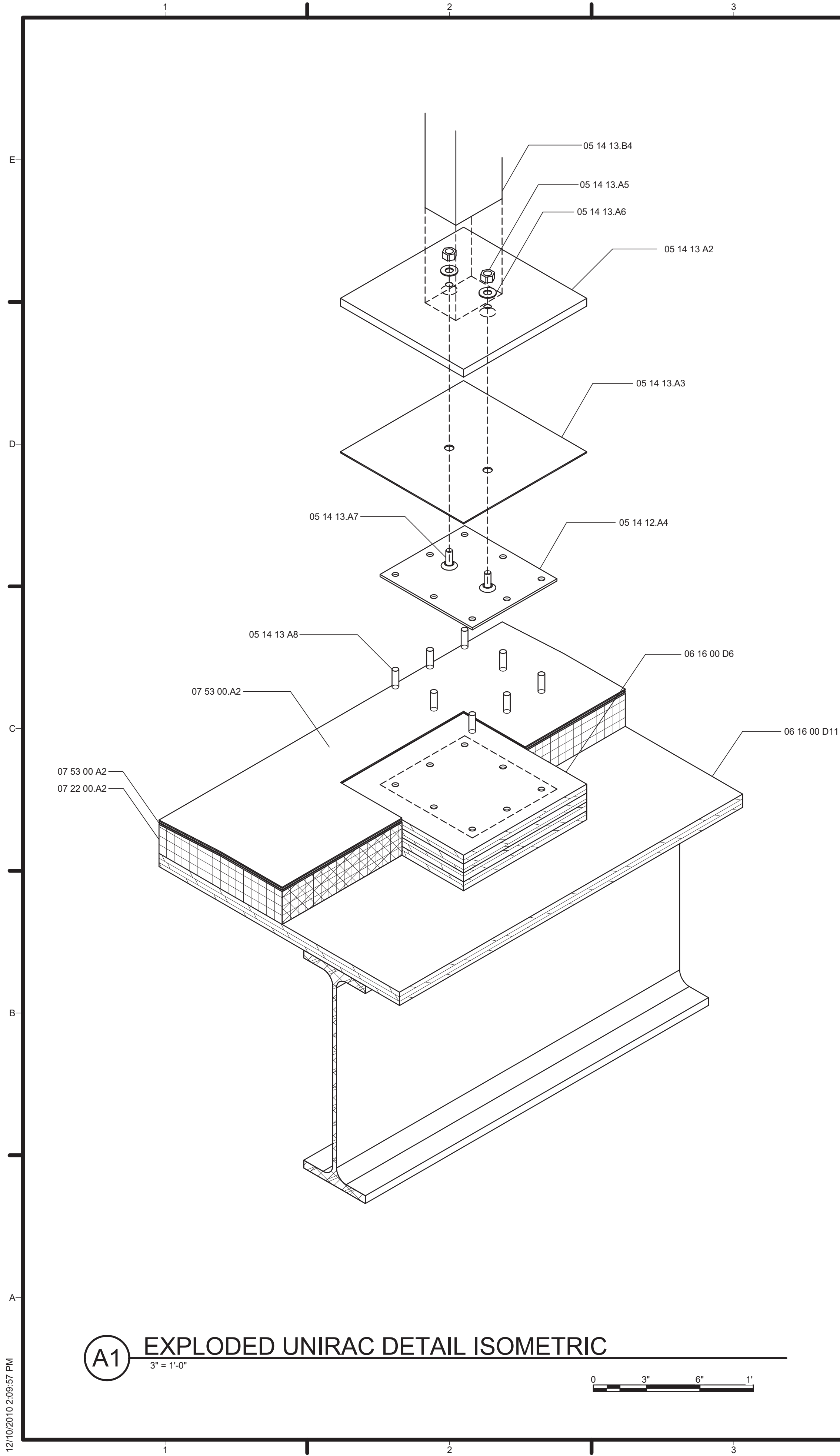


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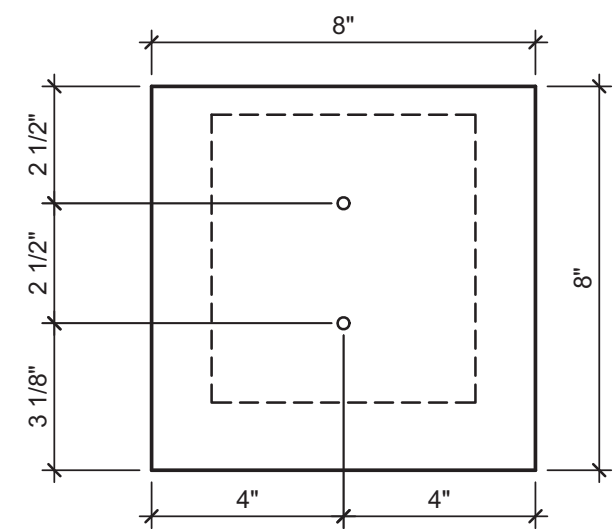
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SHEET TITLE
FLASHING DETAILS

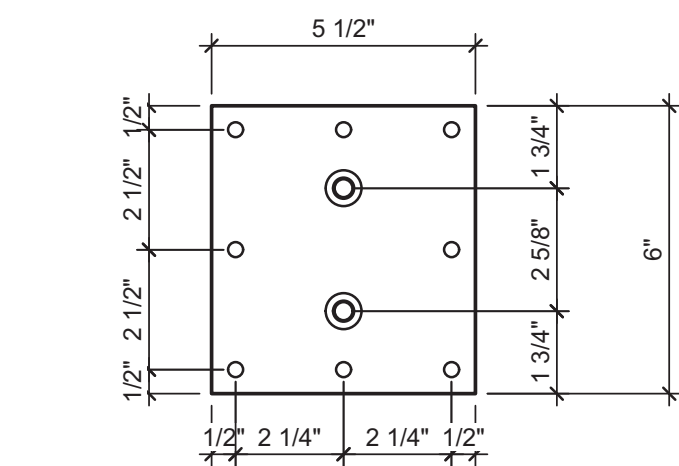
A-505



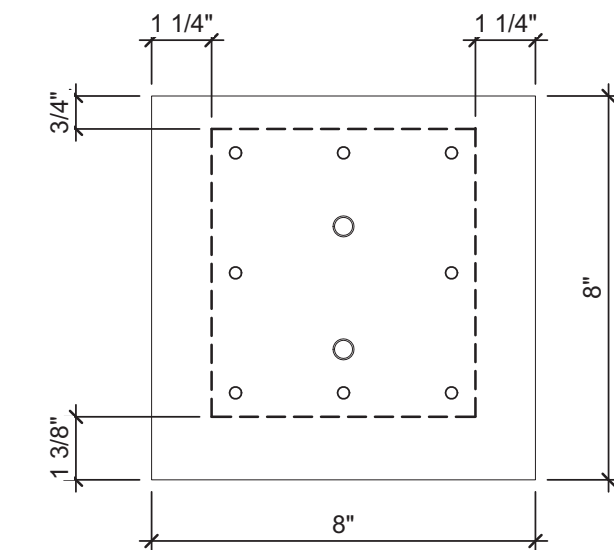
D5 BASE PLATE PLAN
3" = 1'-0"



C5 FLASHING PLAN
3" = 1'-0"



B5 ECO PLATE PLAN
3" = 1'-0"



A5 PLYWOOD SHIM PLAN
3" = 1'-0"



GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 14 13.A2	ROOF RACK BASE PLATE
05 14 13.A1	PV ROOF RACK FOOT
05 14 13.A3	8"X8" METAL FLASHING
05 14 13.A4	5 1/2"X 6" ECO PLATE
05 14 13.B4	TOUGH TRAC VERTICAL ARM
05 14 13.A5	EPDM WASHER 3/4" O.D.
05 14 13.A7	THREADED WATER TIGHT COMPRESSION STUD
05 14 13.A8	CONCEALER SCREWS
06 16 00.D6	1/2" PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 53 00.A2	EPDM

SHEET KEYNOTES



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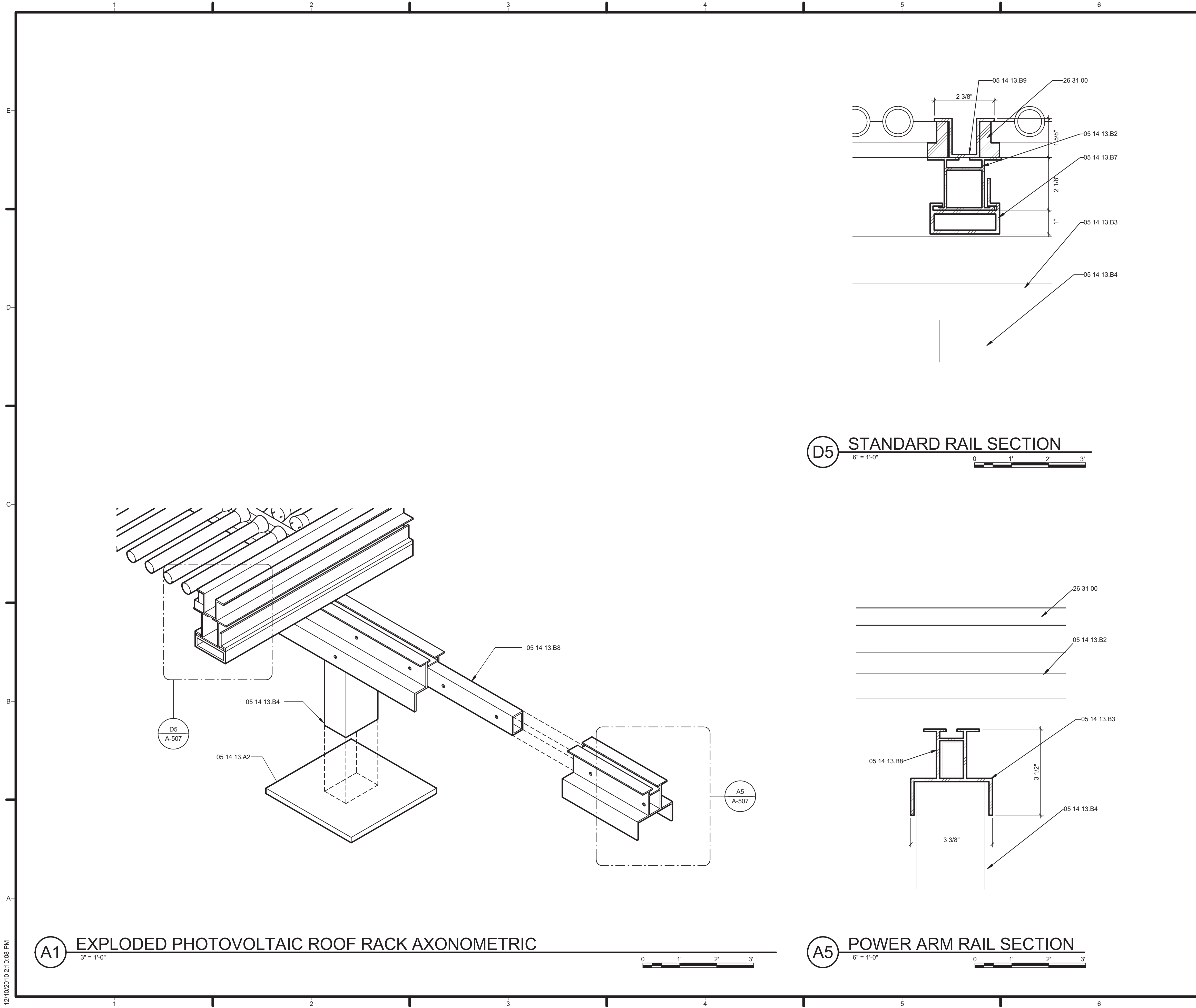
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SHEET TITLE

PHOTOVOLTAIC RACK
FOOTING DETAILS

A-506



GENERAL SHEET NOTES

REFERENCE KEYNOTES

05 14 13.A1	PV RACK FOOT
05 14 13.B2	STANDARD RAIL
05 14 13.B3	POWER ARM
05 14 13.B4	VERTICAL ARM
05 14 13.B7	SLIDE MOUNT
05 14 13.B8	SLIDE BRACE
05 14 13.B9	CLAMP
06 11 00.A1	BLOCKING
06 16 00.D6	1/2" PLYWOOD
07 22 00.A2	TAPERED RIGID INSULATION
07 62 00.A3	ALUMINUM FLASHING, 20 GA.
26 31 00	PHOTOVOLTAIC COLLECTORS
05 14 13.A2	ROOF RACK BASE PLATE

SHEET KEYNOTES



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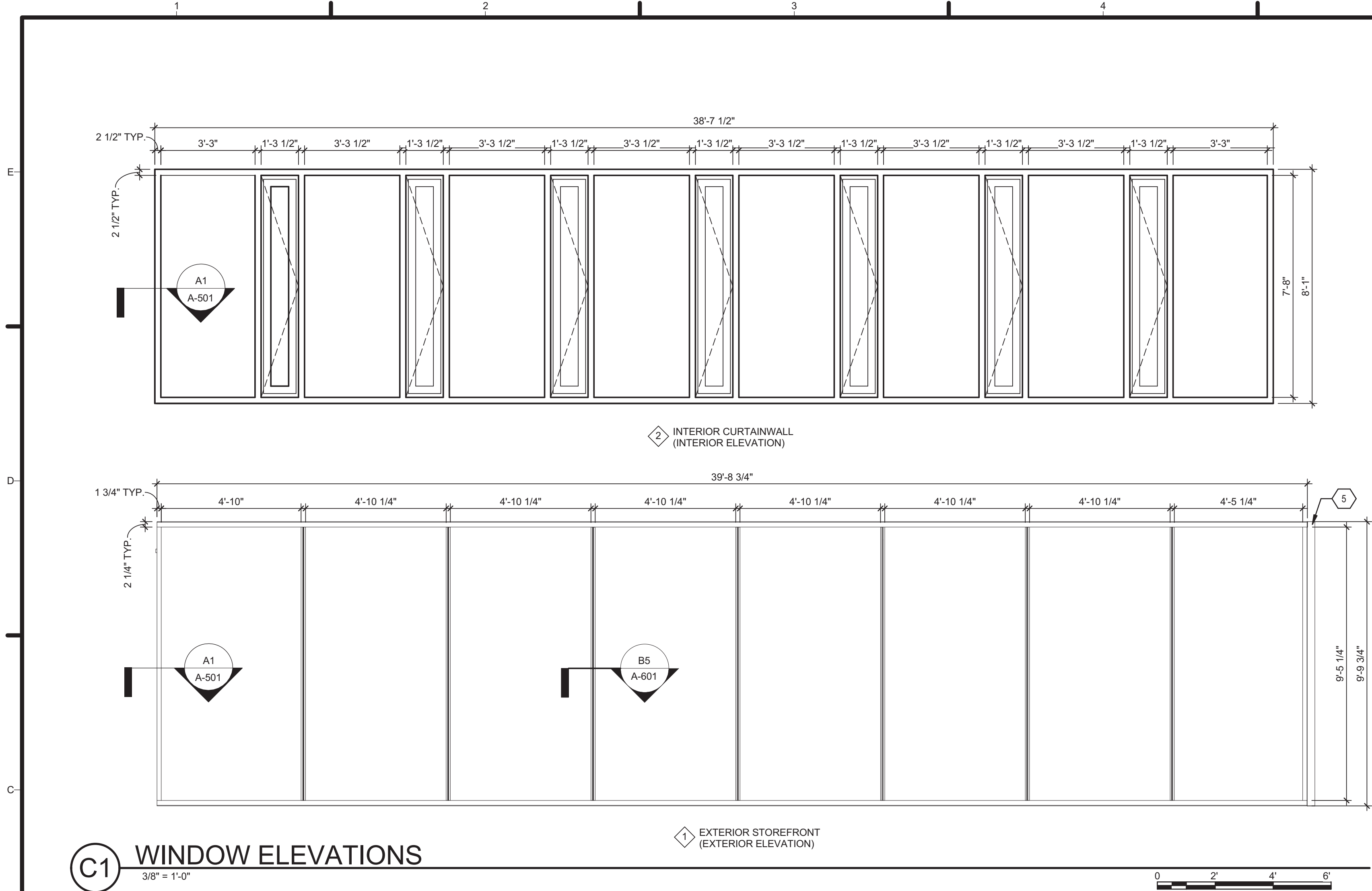
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SHEET TITLE

PHOTOVOLTAIC ROOF
RACK DETAILS

A-507

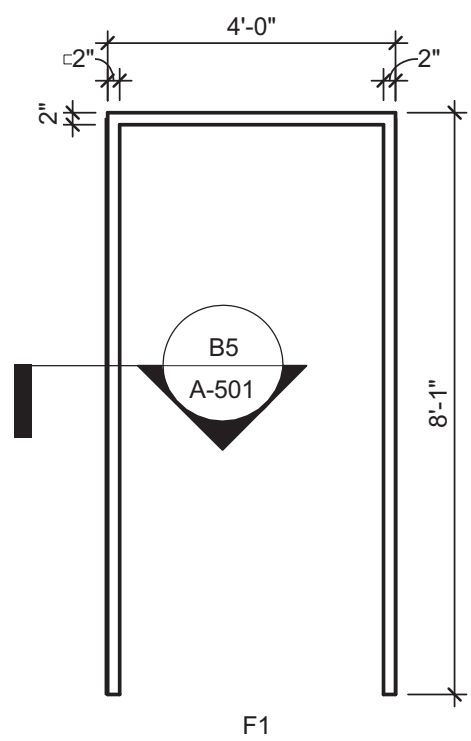


C1 WINDOW ELEVATIONS
3/8" = 1'-0"

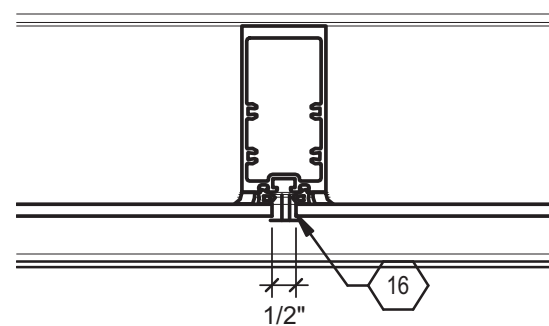
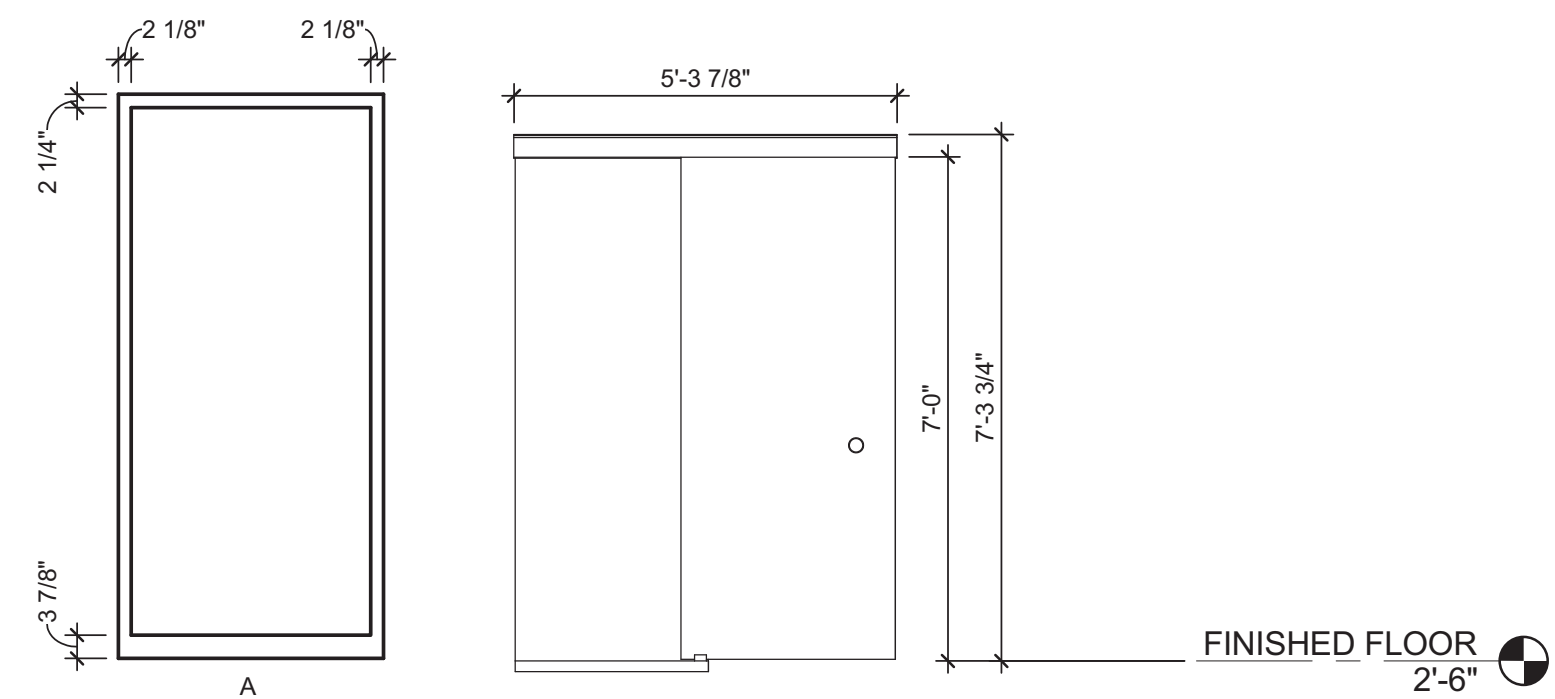
WINDOW SCHEDULE													
MARK	FRAME		TYPE	MANUFACTURER	MODEL	MATERIAL	FINISH	DETAIL			GLAZING		COMMENTS
	WIDTH	HEIGHT						HEAD	JAMB	SILL	THICKNES S	TYPE	
1	39'-9 3/4"	9'-9 3/4"	EXTERIOR STOREFRONT	KAWNEER	450 TRIFAB	ALUM	CL. ANODIZED	C1/A-504	C4/A-501	A1/A-504	8MM	SINGLE PANE, TEMPERED	1, 2
2	38'-7 1/4"	8'-1"	INTERIOR CURTAINWALL	KAWNEER	7500 WALL & AA900 ISOWEB	ALUM	CL. ANODIZED & WOOD VENEER	C1/A-504	C4/A-501	A1/A-504	2"	SUSPENDED FILM, TEMPERED	

COMMENTS:
1. WOOD VENEER AT INTERIOR CAPS OF CURTAINWALL FRAME, TO BE CONFIRMED WITH ARCHITECT AFTER SAMPLE IS PROVIDED.
2. AT SOUTH WALL: FIXED GLAZING PANELS TO BE CLEAR SUSPENDED FILM GLASS, OPERABLE GLAZING PANELS TO BE TRANSLUCENT SUSPENDED FILM GLASS
AT NORTH WALL: FIXED GLAZING PANELS TO BE TRANSLUCENT SUSPENDED FILM GLASS, OPERABLE GLAZING PANELS TO BE CLEAR SUSPENDED FILM GLASS

DOOR SCHEDULE													
MARK	DR TYPE	DR SIZE	MANUFACTURER	MODEL	FRAME TYPE	FIRE RATING	DETAILS			DESCRIPTION	FINISH		
							HEAD	JAMB	SILL		DOOR	FRAME	COMPONENTS
101	A	8'-1" X 4'-0"	KAWNEER	260 INSULCLAD	F1	-	C4/A-504	C4/A-501	A4/A-504	ENTRANCE DOOR	1" FROSTED INSUL. GL, TEMPERED	CL. ANODIZED ALUM.	CL. ANODIZED ALUM
102	A	8'-1" X 4'-0"	KAWNEER	260 INSULCLAD	F1	-	C4/A-504	C4/A-501	A4/A-504	ENTRANCE DOOR	1" FROSTED INSUL. GL, TEMPERED	CL. ANODIZED ALUM.	CL. ANODIZED ALUM
103	B	7'-0" X 5'-3 7/8"	HAFELE	EKU-PORTA 100/GF	-	-	C4/A-503		A4/A-503	INTERIOR SLIDING GLASS DOOR	8MM FROSTED GL, TEMPERED	CL. ANODIZED ALUM.	CL. ANODIZED ALUM
104	B	7'-0" X 5'-3 7/8"	HAFELE	EKU-PORTA 100/GF	-	-	C4/A-503		A4/A-503	INTERIOR SLIDING GLASS DOOR	8MM FROSTED GL, TEMPERED	CL. ANODIZED ALUM.	CL. ANODIZED ALUM



C5 DOOR FRAME AND DOOR ELEVATIONS
3/8" = 1'-0"



B5 STOREFRONT DETAIL
3" = 1'-0"

GENERAL SHEET NOTES

1. VERIFY ALL DIMENSIONS IN FIELD

REFERENCE KEYNOTES

SHEET KEYNOTES

5 SHEET METAL PANEL TO WRAP BUILDING CORNER AND BE RECEIVED BY STOREFRONT FRAME
16 WEATHERSEAL



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SHEET TITLE

DOOR & WINDOW
SCHEDULES AND
ELEVATIONS

A-601



GENERAL SHEET NOTES

- REFERENCE SHEET I-601 FOR FURNITURE SCHEDULE

REFERENCE KEYNOTES

SHEET KEYNOTES

- 77 MURPHY-TYPE BED, RETRACTS INTO WALL WHEN NOT IN USE



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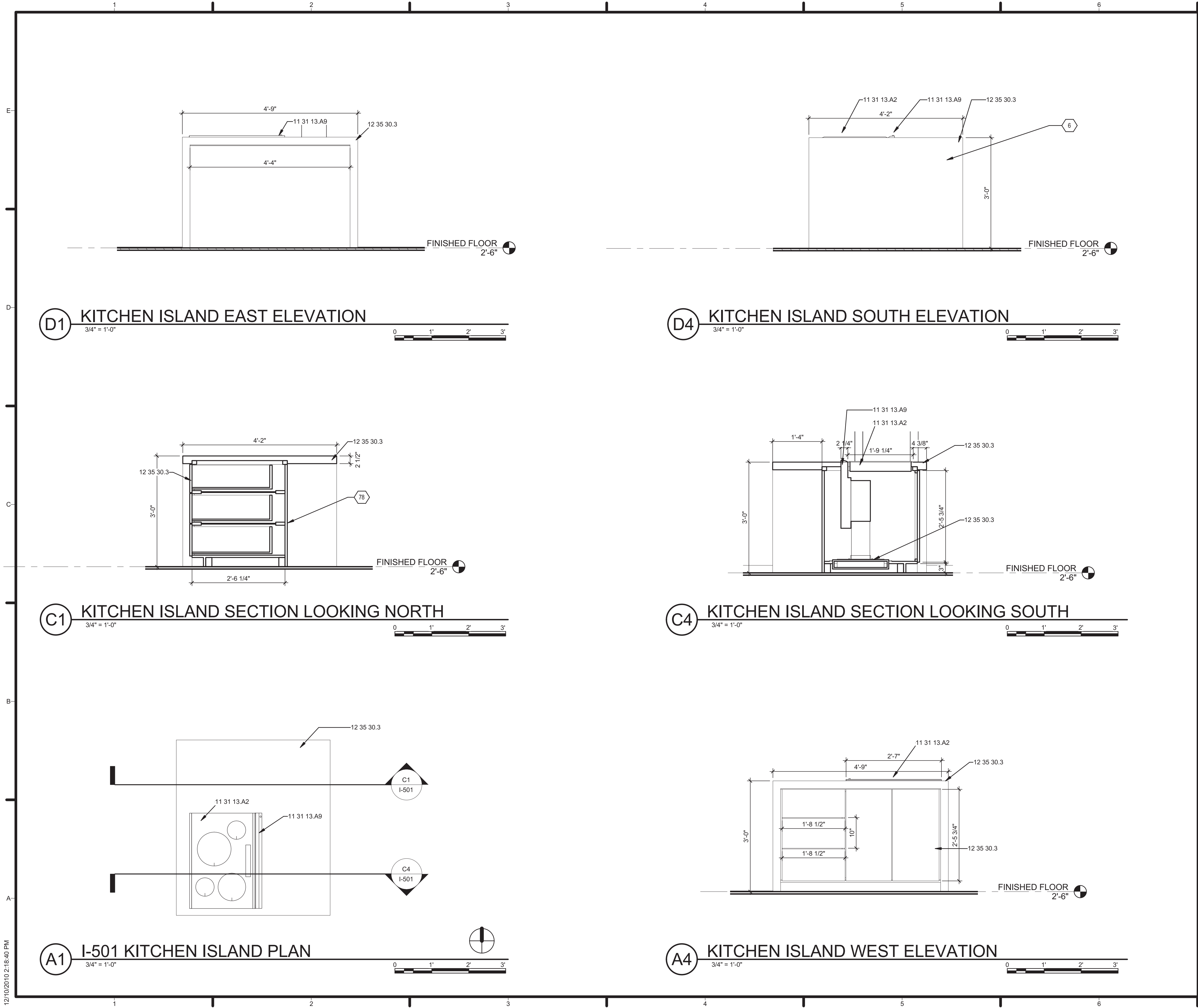
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SHEET TITLE

INTERIORS PLAN

I-101



GENERAL SHEET NOTES

REFERENCE KEYNOTES

11 31 13.A2	COOKTOP
11 31 13.A9	DOWNDRAFT VENT
12 35 30.3	

SHEET KEYNOTES

6	WRAP COUNTERTOP MATERIAL OVER EDGE OF KITCHEN ISLAND AND EXTEND TO FLOOR
78	RETURN COUNTERTOP MATERIAL TO FACE OF CABINET



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SHEET TITLE

KITCHEN ISLAND
DETAILS

I-501

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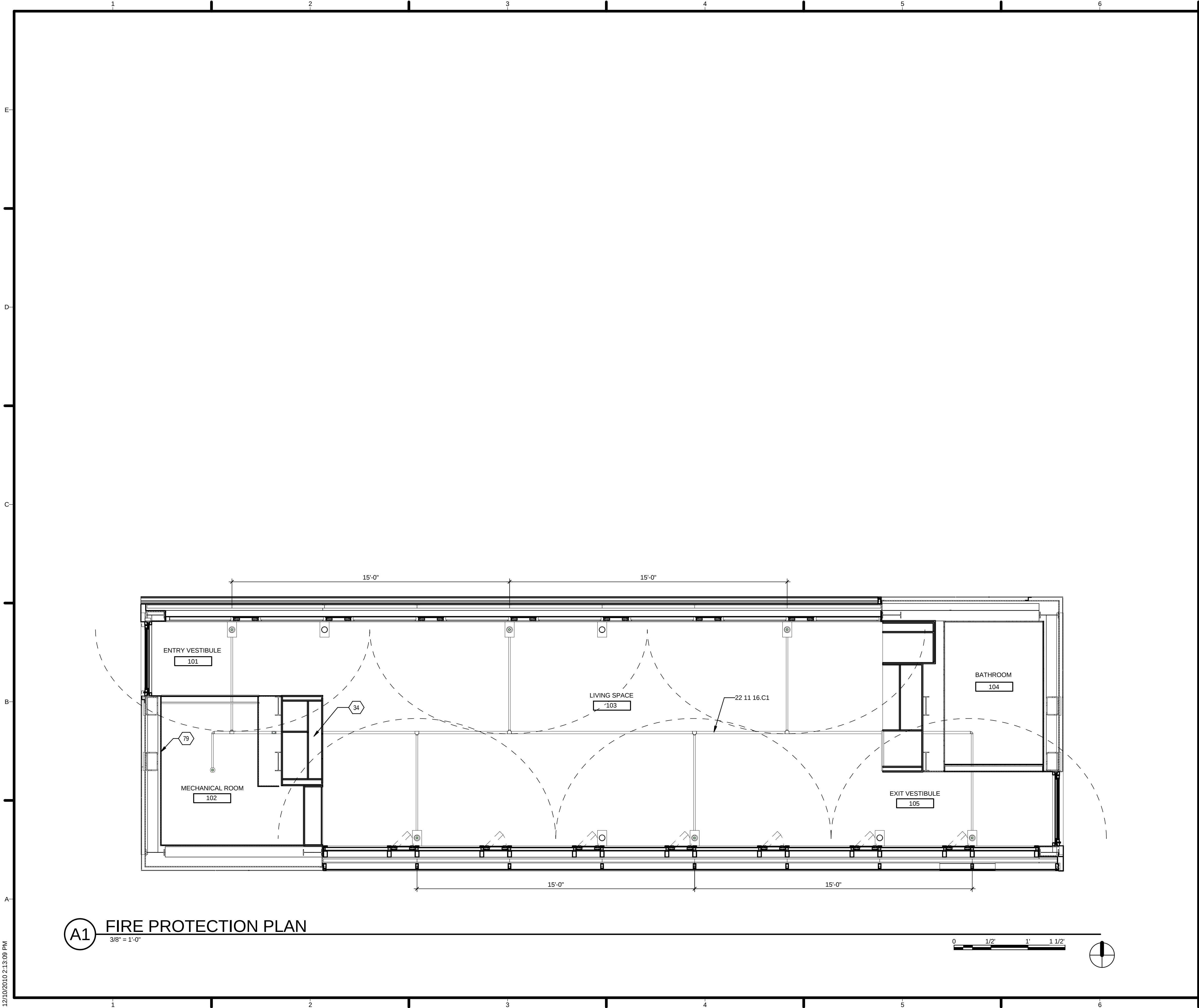
INTERIOR SCHEDULES

I-601

APPLIANCE SCHEDULE			
MANUFACTURER	MODEL	COMMENTS	Count
BOSCH	DHD3014UC, DHD601DUC, DHDRM36UC	DOWNDRAFT VENT WITH RECIRCULATOR	1
BOSCH	NIT3065UC	INDUCTION COOK TOP	1
BOSCH	SHV43P13UC	INTEGRATED 24" DISHWASHER	1
ELECTROLUX ICON	E30MH65GPS	CONVECTION OVEN	1
GENERAL ELECTRIC	DCVH480KEWW	CLOTHES DRYER	1
GENERAL ELECTRIC	WCHV4800KWW	CLOTHES WASHER	1
SHARP	LC-26DV28UT	27" TV WITH BUILT IN DVD PLAYER	1
SONOS	ZONEPLAYER S5	SINGLE UNIT 5 SPEAKER SYSTEM	1
SUNFROST	RF12	REFRIGERATOR/FREEZER UNIT	1
ZOOM-ROOM	QUEEN SIZE	MURPHY BED	1

ROOM FINISH SCHEDULE					
ROOM NO	ROOM NAME	FINISH			CEILING HT.
		FLOOR	WALL	CEILING	
101	ENTRANCE VESTIBULE	HARDWOOD DRAINAGE FLOOR	WOOD WALL PANELING	SUSPENDED PLANK ACOUSTICAL WOOD CEILING	8' - 1"
102	MECHANICAL ROOM	HARDWOOD DRAINAGE FLOOR	FINISH GRADE PLYWOOD	FINISH GRADE PLYWOOD	8' - 10"
103	LIVING SPACE	HARDWOOD	WOOD CABINETRY	SUSPENDED PLANK ACOUSTICAL WOOD CEILING	8' - 1"
104	BATHROOM	HARDWOOD DRAINAGE FLOOR	WATERPROOF WOOD WALL PANELING	SUSPENDED GRILLE WOOD CEILING	8' - 1"
105	EXIT VESTIBULE	HARDWOOD DRAINAGE FLOOR	WOOD WALL PANELING	SUSPENDED PLANK ACOUSTICAL WOOD CEILING	8' - 1"

FURNITURE SCHEDULE				
MARK	COUNT	MANUFACTURER	MODEL	COMMENTS
1	4	WEST ELM	16-9257742	TILLARY MODULAR OTTOMAN
8	2	CUSTOM	BENCH	WOOD WITH BLACK LACQUER
3	2	MIXTURE	CHRISTOPHE LIVING STONE	MEDIUM
7	1	CUSTOM	DINING TABLE	ALUMINUM LEGS WITH WHITE TOP
4	1	MIXTURE	EDGAR LIVING STONE	SMALL
5	2	COALESSE	EMU	BAR STOOL
6	4	COALESSE	EMU-HEAVEN	CHAIR
2	1	MIXTURE	ROSA LIVING STONE	LARGE



GENERAL SHEET NOTES

REFERENCE KEYNOTES

21 13 13.A1	CONCEALED SPRINKLER HEAD, 180 DEGREE SPREAD
22 11 16.C1	HOT WATER SUPPLY LINE

SHEET KEYNOTES

34	FIRE-EXTINGUISHER, LOCATED IN CABINET UNDER SINK
79	WALL-MOUNTED FIRE EXTINGUISHER



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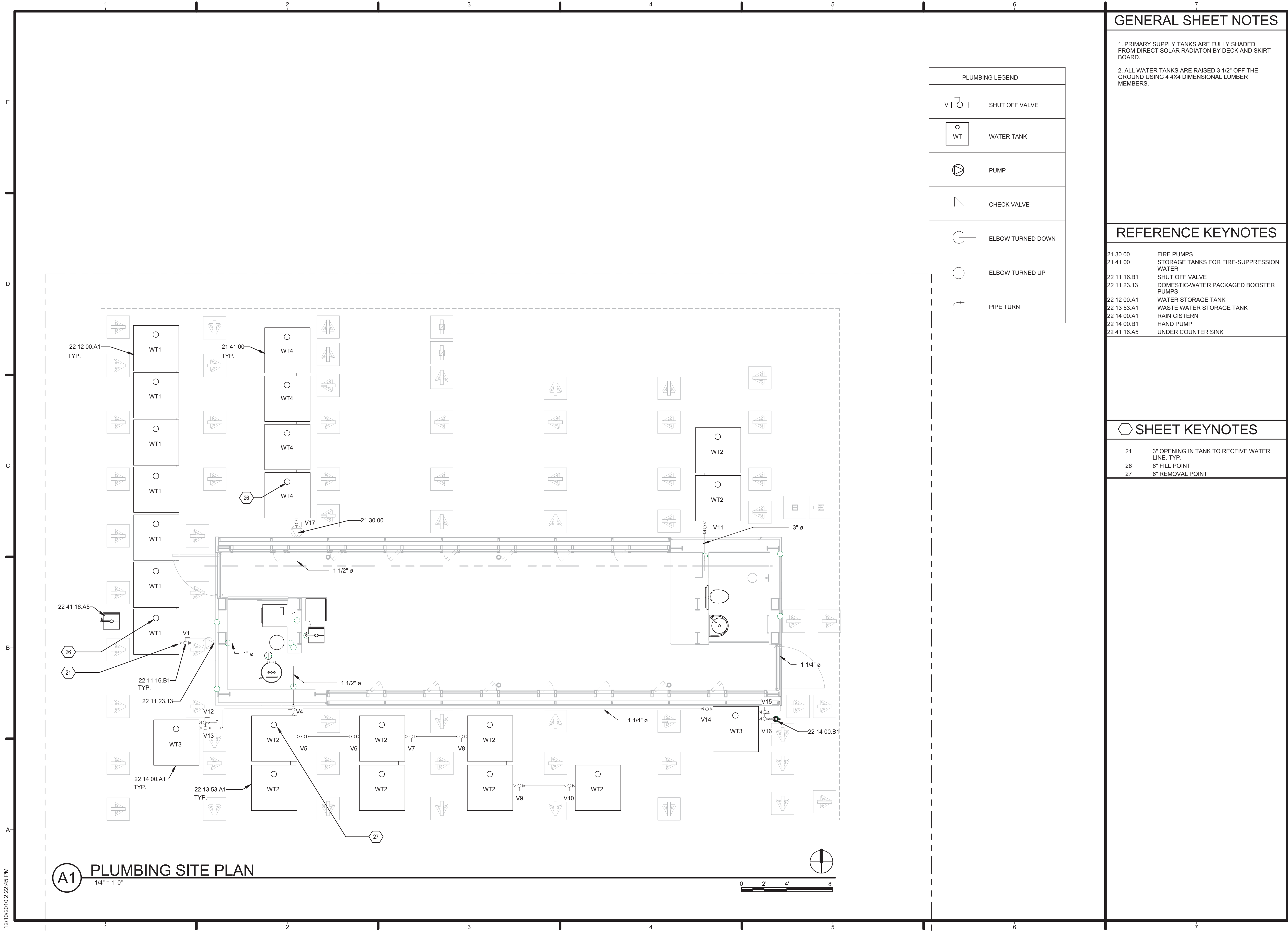
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SHEET TITLE

FIRE PROTECTION
PLAN

F-101



PLUMBING LEGEND	
	SHUT OFF VALVE
	WATER TANK
	PUMP
	CHECK VALVE
	ELBOW TURNED DOWN
	ELBOW TURNED UP
	PIPE TURN

GENERAL SHEET NOTES

1. PRIMARY SUPPLY TANKS ARE FULLY SHADED FROM DIRECT SOLAR RADIATON BY DECK AND SKIRT BOARD.
2. ALL WATER TANKS ARE RAISED 3 1/2" OFF THE GROUND USING 4 4X4 DIMENSIONAL LUMBER MEMBERS.

REFERENCE KEYNOTES

21 30 00	FIRE PUMPS
21 41 00	STORAGE TANKS FOR FIRE-SUPPRESSION WATER
22 11 16.B1	SHUT OFF VALVE
22 11 23.13	DOMESTIC-WATER PACKAGED BOOSTER PUMPS
22 12 00.A1	WATER STORAGE TANK
22 13 53.A1	WASTE WATER STORAGE TANK
22 14 00.A1	RAIN CISTERN
22 14 00.B1	HAND PUMP
22 41 16.A5	UNDER COUNTER SINK

SHEET KEYNOTES

21	3" OPENING IN TANK TO RECEIVE WATER LINE, TYP.
26	6" FILL POINT
27	6" REMOVAL POINT



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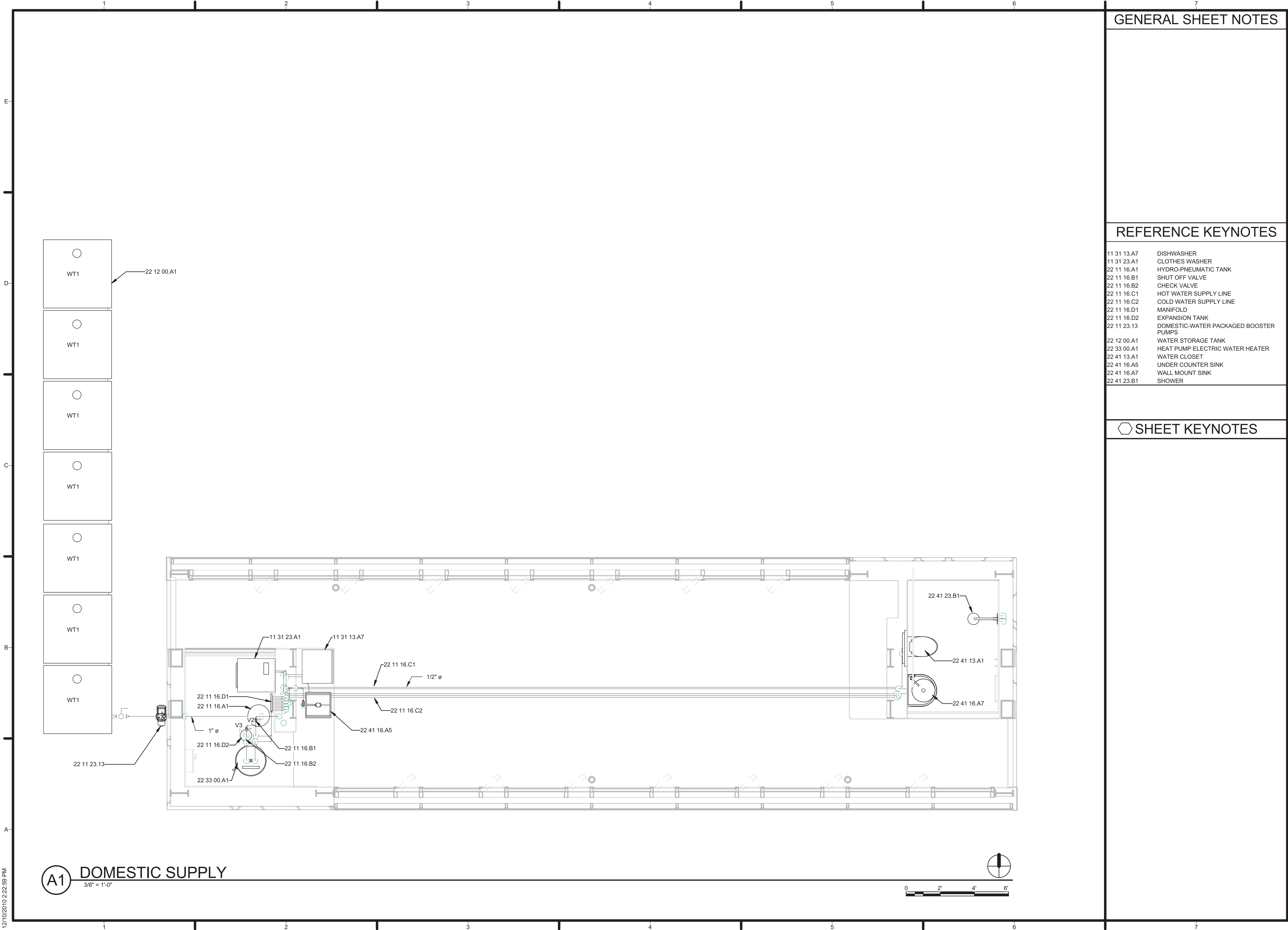
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SHEET TITLE
PLUMBING SITE PLAN

P-101



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

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 11 31 13.A7 DISHWASHER
- 11 31 23.A1 CLOTHES WASHER
- 22 11 16.A1 HYDRO-PNEUMATIC TANK
- 22 11 16.B1 SHUT OFF VALVE
- 22 11 16.B2 CHECK VALVE
- 22 11 16.C1 HOT WATER SUPPLY LINE
- 22 11 16.C2 COLD WATER SUPPLY LINE
- 22 11 16.D1 MANIFOLD
- 22 11 16.D2 EXPANSION TANK
- 22 11 23.13 DOMESTIC-WATER PACKAGED BOOSTER PUMPS
- 22 12 00.A1 WATER STORAGE TANK
- 22 33 00.A1 HEAT PUMP ELECTRIC WATER HEATER
- 22 41 13.A1 WATER CLOSET
- 22 41 16.A5 UNDER COUNTER SINK
- 22 41 16.A7 WALL MOUNT SINK
- 22 41 23.B1 SHOWER

SHEET KEYNOTES



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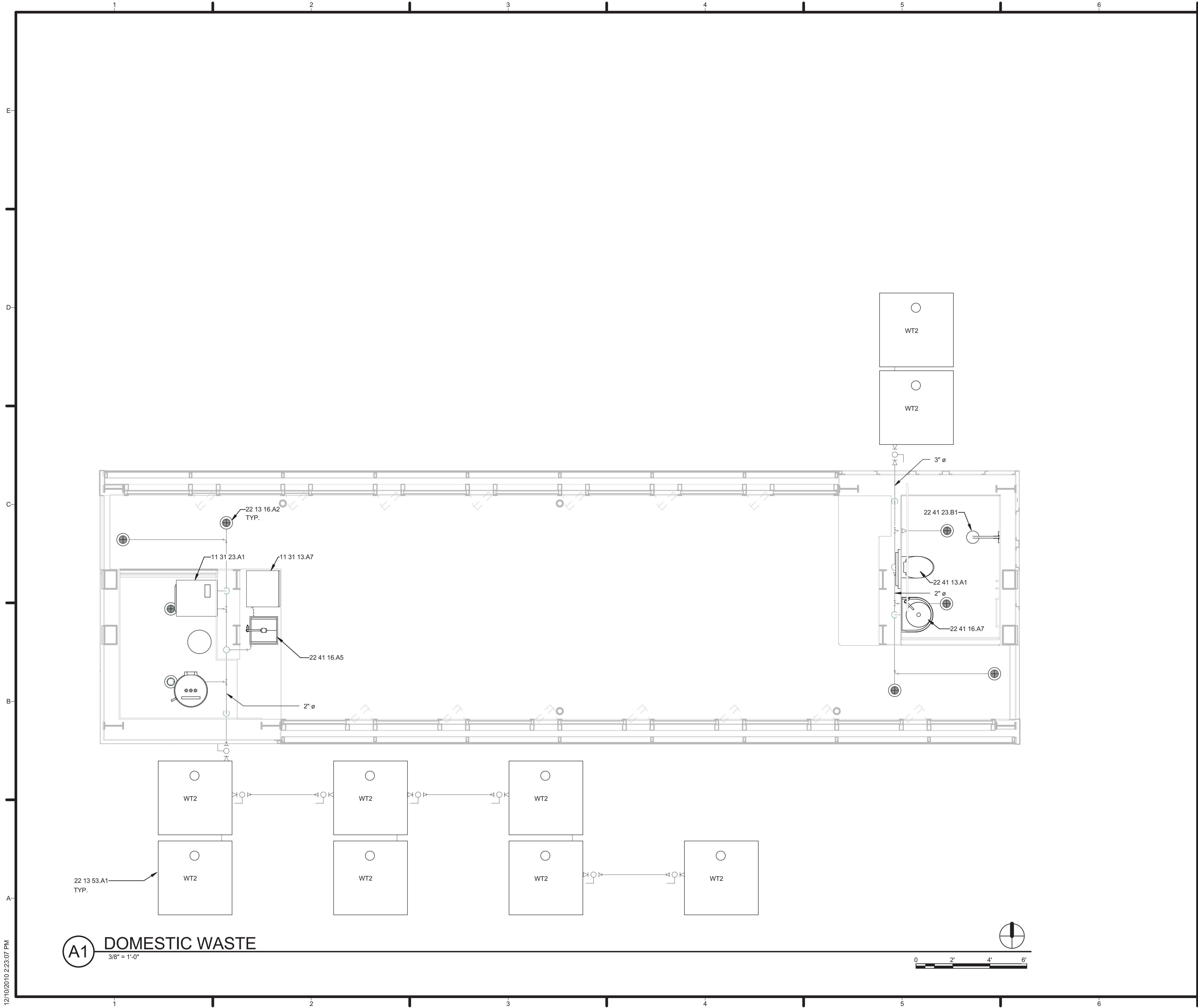
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SHEET TITLE

DOMESTIC SUPPLY

P-102



GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 11 31 13.A7 DISHWASHER
- 11 31 23.A1 CLOTHES WASHER
- 22 13 16.A2 FLOOR DRAIN
- 22 13 16.B1 VENT STACK
- 22 13 53.A1 WASTE WATER STORAGE TANK
- 22 41 13.A1 WATER CLOSET
- 22 41 16.A5 UNDER COUNTER SINK
- 22 41 16.A7 WALL MOUNT SINK
- 22 41 23.B1 SHOWER

SHEET KEYNOTES



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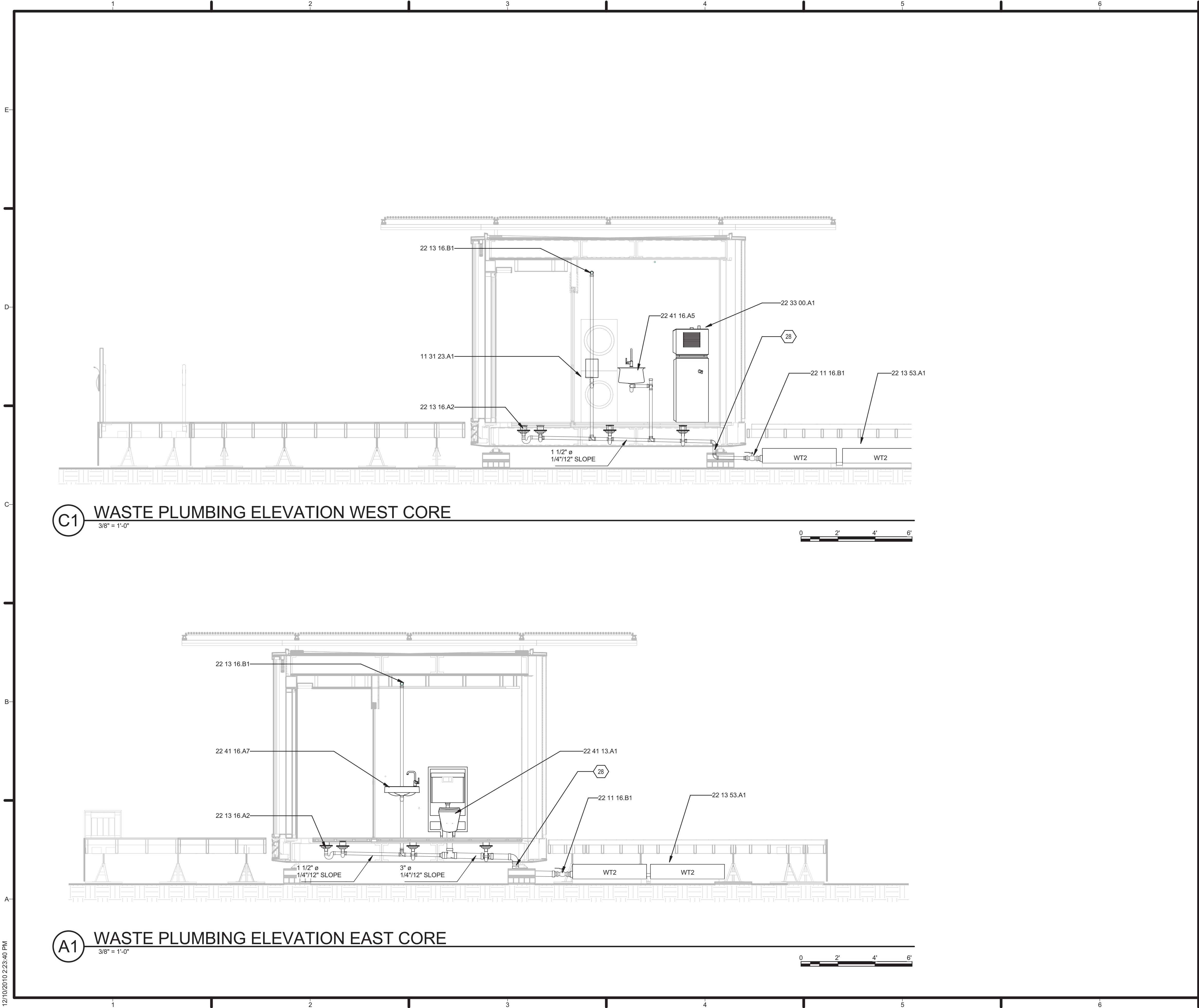
SHEET TITLE

DOMESTIC WASTE

P-103

A1 DOMESTIC WASTE
3/8" = 1'-0"

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GENERAL SHEET NOTES

REFERENCE KEYNOTES

11 31 13.A7	DISHWASHER
11 31 23.A1	CLOTHES WASHER
22 11 16.B1	SHUT OFF VALVE
22 13 16.A2	FLOOR DRAIN
22 13 16.B1	VENT STACK
22 13 53.A1	WASTE WATER STORAGE TANK
22 33 00.A1	HEAT PUMP ELECTRIC WATER HEATER
22 41 13.A1	WATER CLOSET
22 41 16.A5	UNDER COUNTER SINK
22 41 16.A7	WALL MOUNT SINK

SHEET KEYNOTES

28	ATTACHED ON SITE
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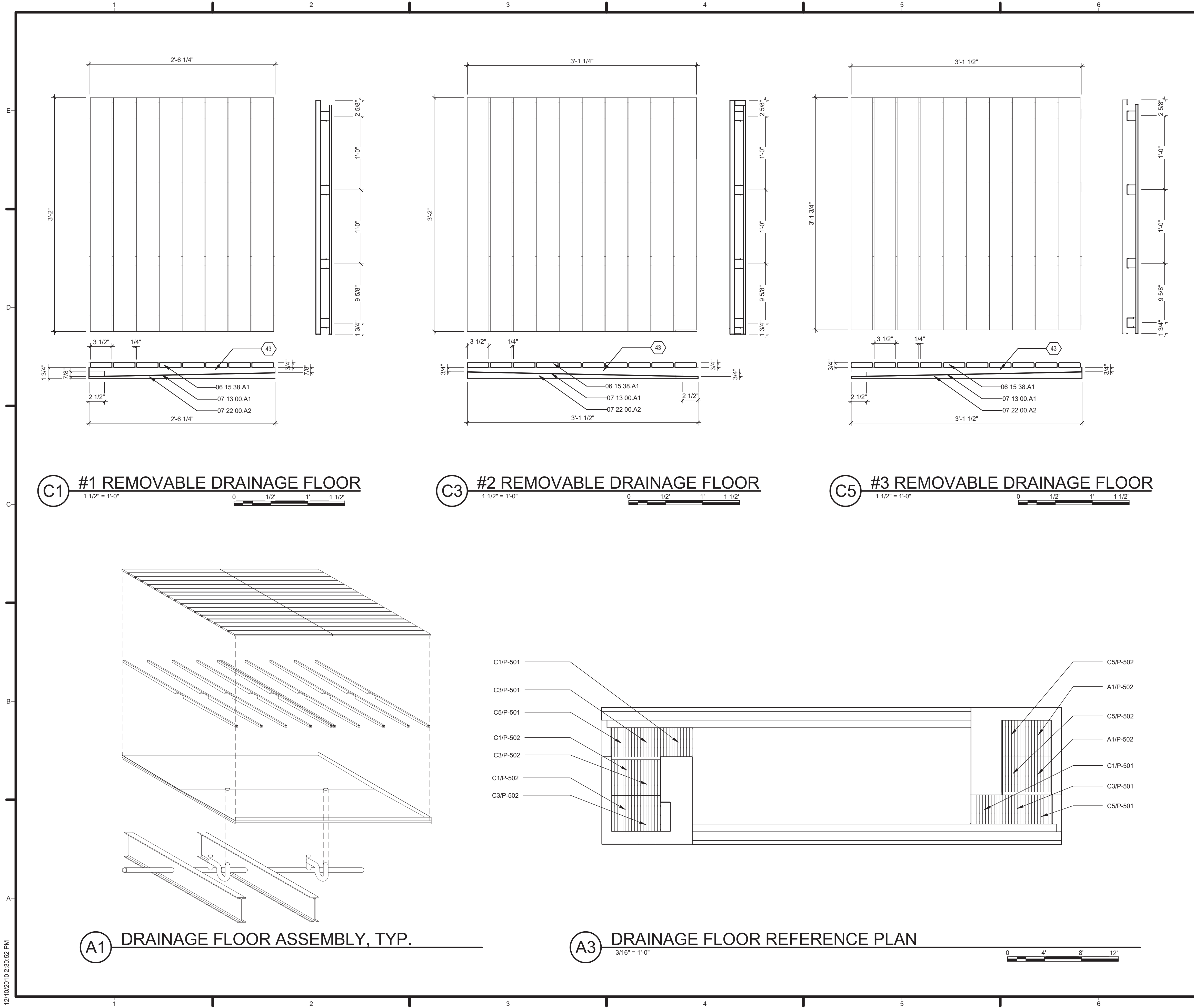
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SHEET TITLE

RISER ELEVATIONS

P-201



GENERAL SHEET NOTES

1. COORDINATE REMOVABLE DRAINAGE FLOOR. UNIT DIMENSIONS WITH AS-BUILT CONDITIONS.

REFERENCE KEYNOTES

06 15 38.A1 1 X 4 WOOD DECKING
07 13 00.A1 NEOPRENE SHEET WATERPROOFING
07 22 00.A2 TAPERED RIGID INSULATION

SHEET KEYNOTES

43 SLOPED STRINGER, WATERPROOFED



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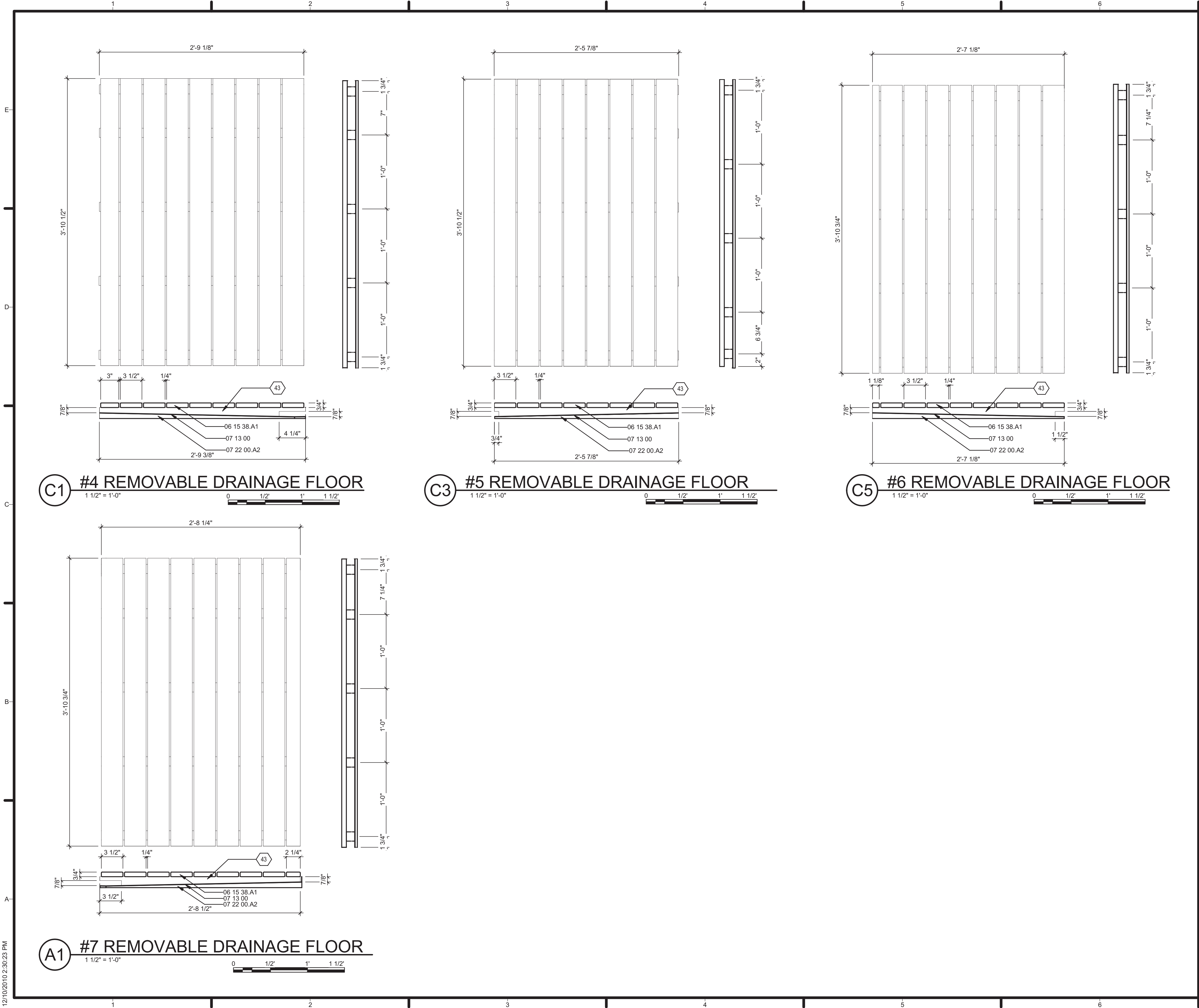
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SHEET TITLE

PLUMBING DETAILS

P-501



GENERAL SHEET NOTES

1. COORDINATE REMOVABLE DRAINAGE FLOOR. UNIT DIMENSIONS WITH AS-BUILT CONDITIONS.

REFERENCE KEYNOTES

06 15 38.A1	1 X 4 WOOD DECKING
07 13 00	SHEET WATERPROOFING
07 22 00.A2	TAPERED RIGID INSULATION

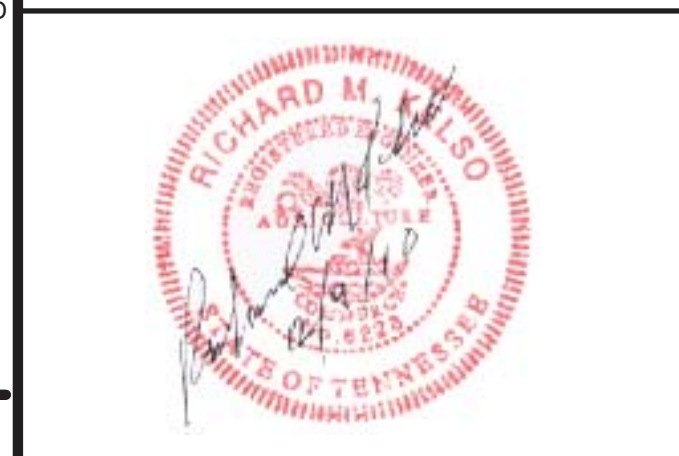
SHEET KEYNOTES

43	SLOPED STRINGER, WATERPROOFED
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SHEET TITLE
PLUMBING DETAILS

P-502

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E

D

C

B

A

PIPE SCHEDULE		
DIAMETER	LENGTH	DESCRIPTION
1/2"	308'-8 3/8"	
3/4"	20'-0 3/4"	
1"	79'-6 3/8"	
1 1/4"	114'-9 1/2"	
1 1/2"	143'-2 7/8"	
3"	4'-11 5/8"	

PIPE FITTING SCHEDULE			
SIZE	FAMILY	COUNT	DESCRIPTION
1 1/2"ø-1 1/2"ø		22	
1 1/2"ø-1 1/2"ø-1 1/2"ø		14	
1 1/2"ø-1"ø	Transition - Generic	7	
1 1/4"ø-1 1/4"ø	Bend - PVC - Sch 40 - DWV	7	
1 1/4"ø-1 1/4"ø-1 1/4"ø	Tee Sanitary - PVC - Sch 40 - DWV	3	
1 1/4"ø-3/4"ø	Transition - Generic	1	
1"ø-1"ø		23	
1"ø-3/4"ø		3	
1/2"ø-1/2"ø	Elbow - Generic	68	
1/2"ø-1/2"ø-1/2"ø	Tee - Generic	1	
2"ø	Cap - Generic	1	
2"ø-1 1/2"ø		9	
2"ø-1 1/4"ø	Reducer - PVC - Sch 40 - DWV	5	
2"ø-1"ø	Reducer - PVC - Sch 40 - DWV	1	
3"ø-1 1/2"ø	Reducer - PVC - Sch 40 - DWV	2	
3"ø-2"ø	Reducer - PVC - Sch 40 - DWV	15	
3"ø-3"ø	Bend - PVC - Sch 40 - DWV	3	
3"ø-3"ø-3"ø	Tee Sanitary - PVC - Sch 40 - DWV	2	
3/4"ø-1/2"ø	Transition - Generic	2	
3/4"ø-3/4"ø		14	
3/4"ø-3/4"ø-3/4"ø	Tee - Generic	3	

WATER TANK SCHEDULE				
MARK	MANUFACTURER	COUNT	CAPACITY	USE
WT1	SHOFFNER	7	95 GALLONS	SUPPLY
WT2	SHOFFNER	9	95 GALLONS	WASTE
WT3	SHOFFNER	2	95 GALLONS	RAIN CISTERN
WT4	SHOFFNER	4	95 GALLONS	FIRE SUPPRESSION

WATER FILL AND REMOVAL SCHEDULE			
VALVE	FILL	COMPETITION	REMOVAL
V1	OPEN	OPEN	CLOSED
V2	OPEN	OPEN	OPEN
V3	OPEN	OPEN	OPEN
V4	OPEN	OPEN	CLOSED
V5	OPEN	OPEN	CLOSED
V6	OPEN	OPEN	CLOSED
V7	OPEN	OPEN	CLOSED
V8	OPEN	OPEN	CLOSED
V9	OPEN	OPEN	CLOSED
V10	OPEN	OPEN	CLOSED
V11	OPEN	OPEN	CLOSED
V12	OPEN	OPEN	CLOSED
V13	OPEN	OPEN	CLOSED
V14	CLOSED	OPEN	CLOSED
V15	CLOSED	OPEN	CLOSED
V16	CLOSED	OPEN	CLOSED
V17	OPEN	OPEN	CLOSED

VALVE SCHEDULE			
SIZE	FAMILY	COUNT	DESCRIPTION
1"ø-1"ø	Shut-Off_Valve_9449	2	SHUT OFFS TO INTERIOR
2"ø-2"ø	Ball Valve - 2-6 Inch	15	SHUT OFFS TO TANKS FOR FILL AND REMOVAL

PLUMBING EQUIPMENT SCHEDULE				
Type Mark	Manufacturer	Model	Count	Description
10	GENERAL ELECTRIC	GEH50DNSRA	1	HEAT PUMP WATER HEATER
11	GOULDS PUMPS	HYDROPNEUMATIC TANK	1	
13	WALRUS	WALRUS TQ400	1	60 Hz ELECTRONIC CONTROL PUMP
12	WALRUS	FIREPUMP	1	60 Hz ELECTRONIC CONTROL PUMP

PLUMBING FIXTURE SCHEDULE						
TYPE	MODEL	MANUFACTURER	SUPPLY PIPE	WASTE CONNECTION	COUNT	TYPE MARK
BATHROOM SINK	ARCHITEC SINK	DURAVIT USA	1/2" PEX	1 1/2" PVC	1	
KITCHEN SINK	MIRUC1520Z	MIRABELLE	1/2" PEX	1 1/2" PVC	2	
TOILET	MIRWH220WH	MIRABELLE	1/2" PEX	3" PVC	1	
THERMOSTATIC VALVE TRIM	MIRWH35852SNW	MIRABELLE	1/2" PEX	NA	1	
SHOWERHEAD	MIRWHSHWRHDSN	MIRABELLE	1/2" PEX	NA	1	
SHORT FAUCET	MIRWSED100PBN	MIRABELLE	1/2" PEX	NA	1	
KITCHEN FAUCET	RAVENEL	MIRABELLE	1/2" PEX	NA	2	
TOILET TANK	WT151M	MIRABELLE	1/2" PEX	NA	1	

GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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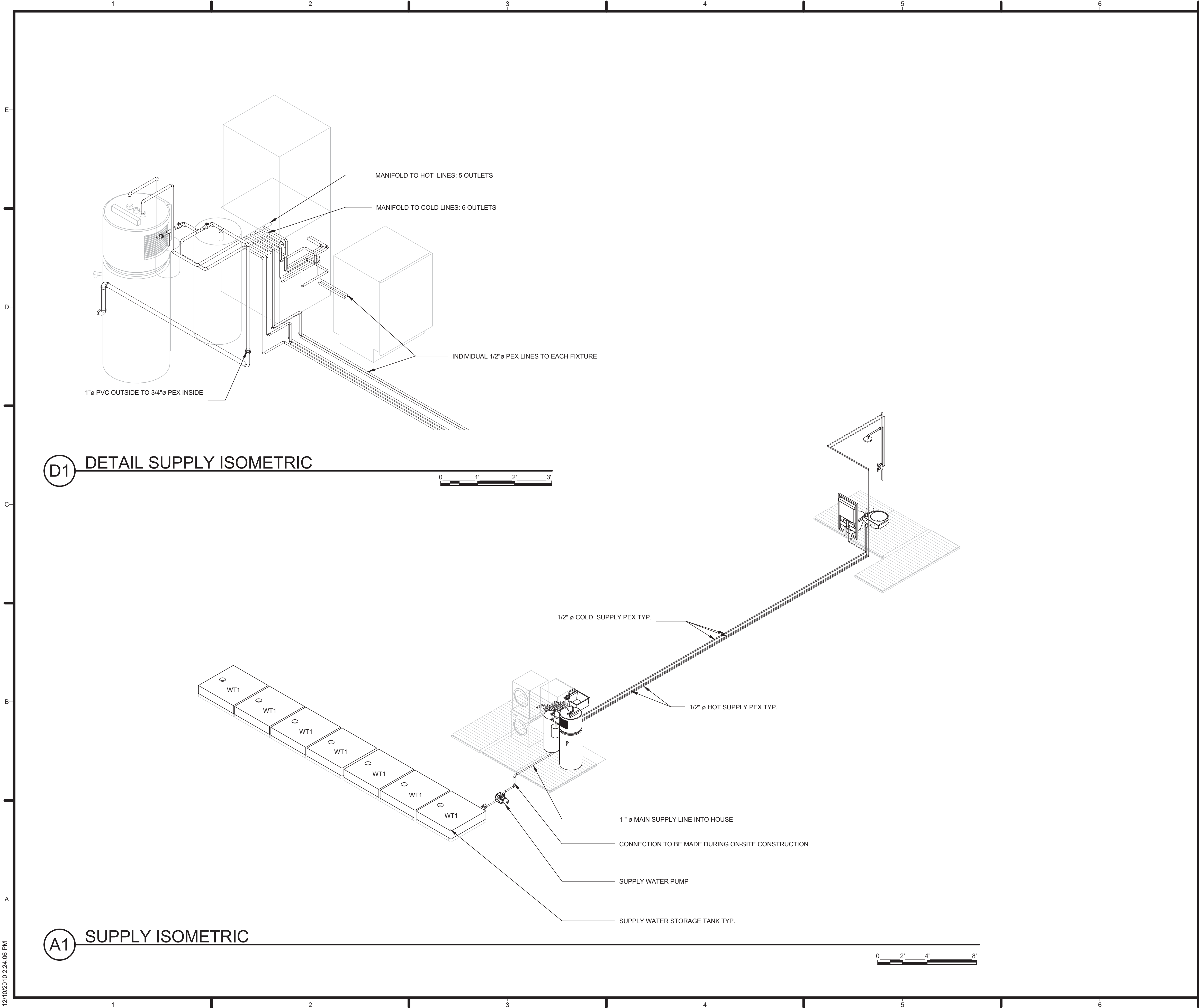
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SHEET TITLE

FIXTURE SCHEDULE

P-601



D1 DETAIL SUPPLY ISOMETRIC

A1 SUPPLY ISOMETRIC

GENERAL SHEET NOTES

1. 3/4" PEX HOT AND COLD SUPPLY LINES TO MANIFOLDS. 1/2" (6) LINES RUN FROM THE COLD MANIFOLD. 1/2" (5) LINES RUN FROM THE HOT MANIFOLD. EACH FIXTURE RECEIVES ITS OWN HOT AND COLD SUPPLY LINES, EXCEPT FOR THE TOILET, WHICH RECEIVES ONLY COLD.

REFERENCE KEYNOTES

SHEET KEYNOTES



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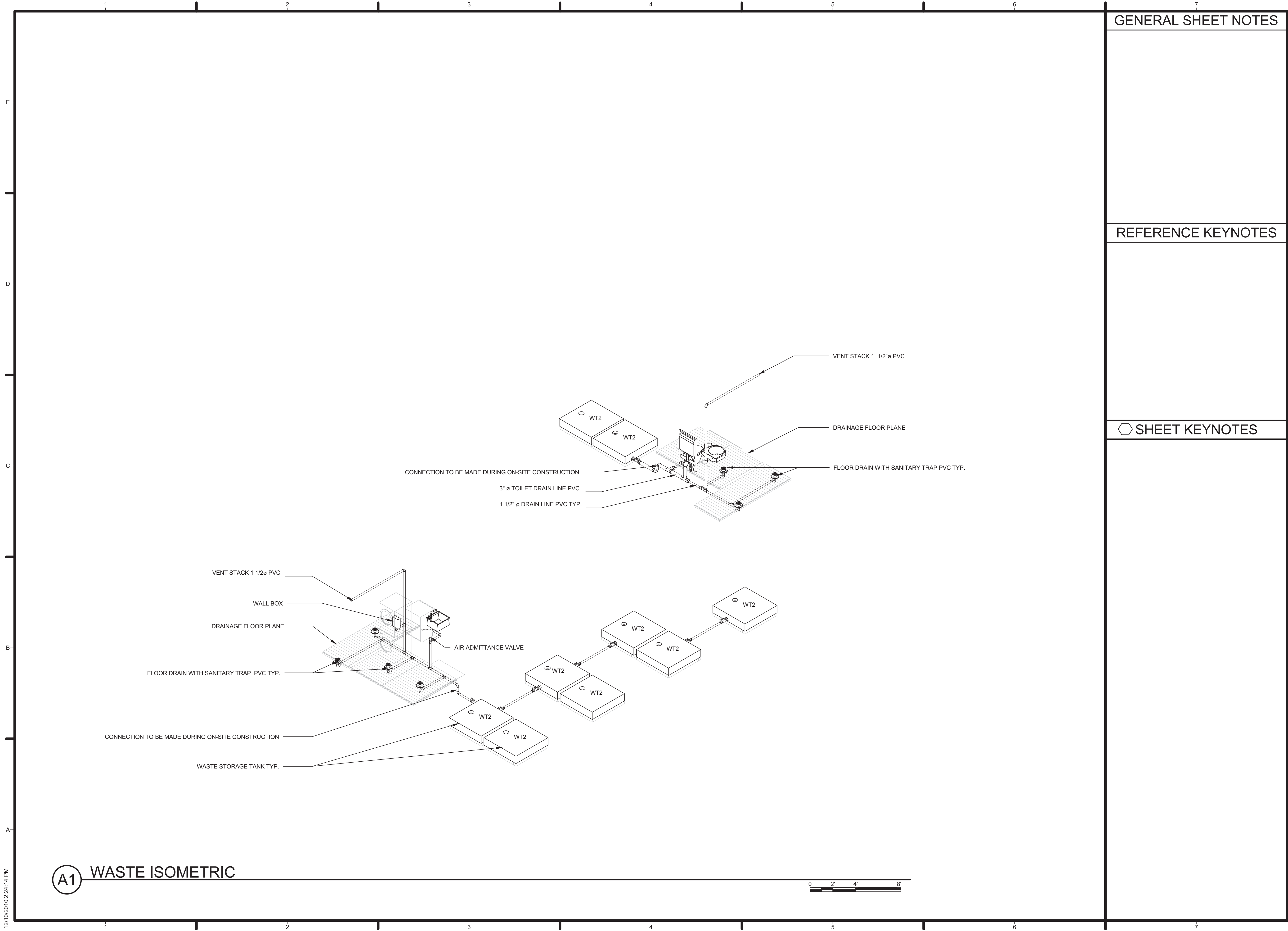


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SUPPLY ISOMETRIC

P-901



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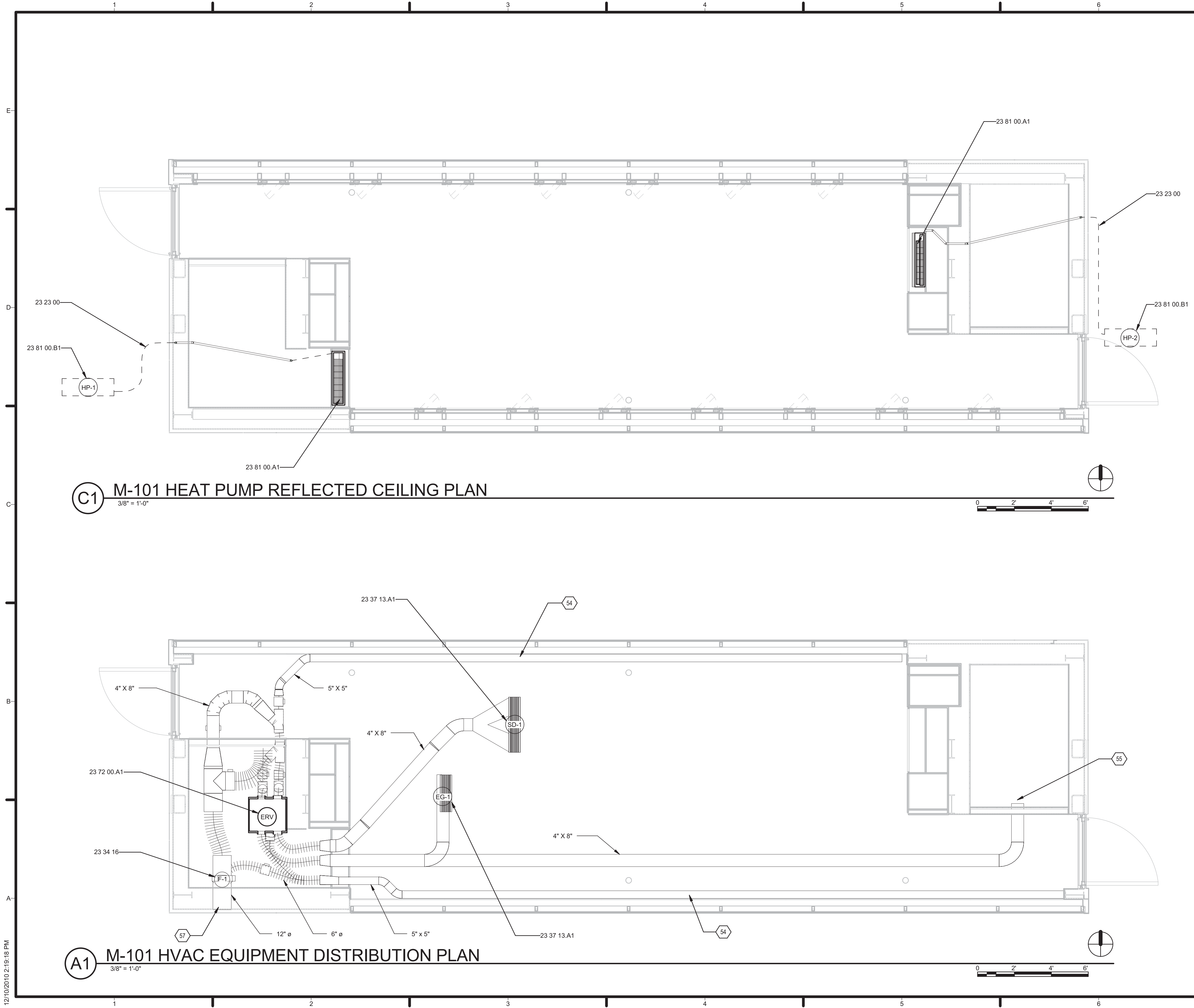


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SHEET TITLE

WASTE ISOMETRIC

P-902



C1 M-101 HEAT PUMP REFLECTED CEILING PLAN
3/8" = 1'-0"

A1 M-101 HVAC EQUIPMENT DISTRIBUTION PLAN
3/8" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

23 23 00	REFRIGERANT PIPING
23 34 16	CENTRIFUGAL HVAC FANS
23 37 13.A1	DIFFUSER
23 72 00.A1	ENERGY RECOVERY VENTILATOR
23 81 00.A1	DUCTLESS MINI-SPLIT INDOOR UNIT
23 81 00.B1	DUCTLESS MINI-SPLIT CONDENSER UNIT

SHEET KEYNOTES

54	EXHAUST/OUTSIDE AIR THROUGH BOTTOM OF FACADE CAVITY, REFERENCE SECTION 25 11 00
55	EXHAUST DUCT OPEN TO SPACE ABOVE SLOTTED CEILING
56	EXHAUST VENT ABOVE MECHANICAL ROOM DOOR, REFERENCE SECTION 25 11 00
57	VENTILATION EXHAUST, REFERENCE SECTION 25 11 00



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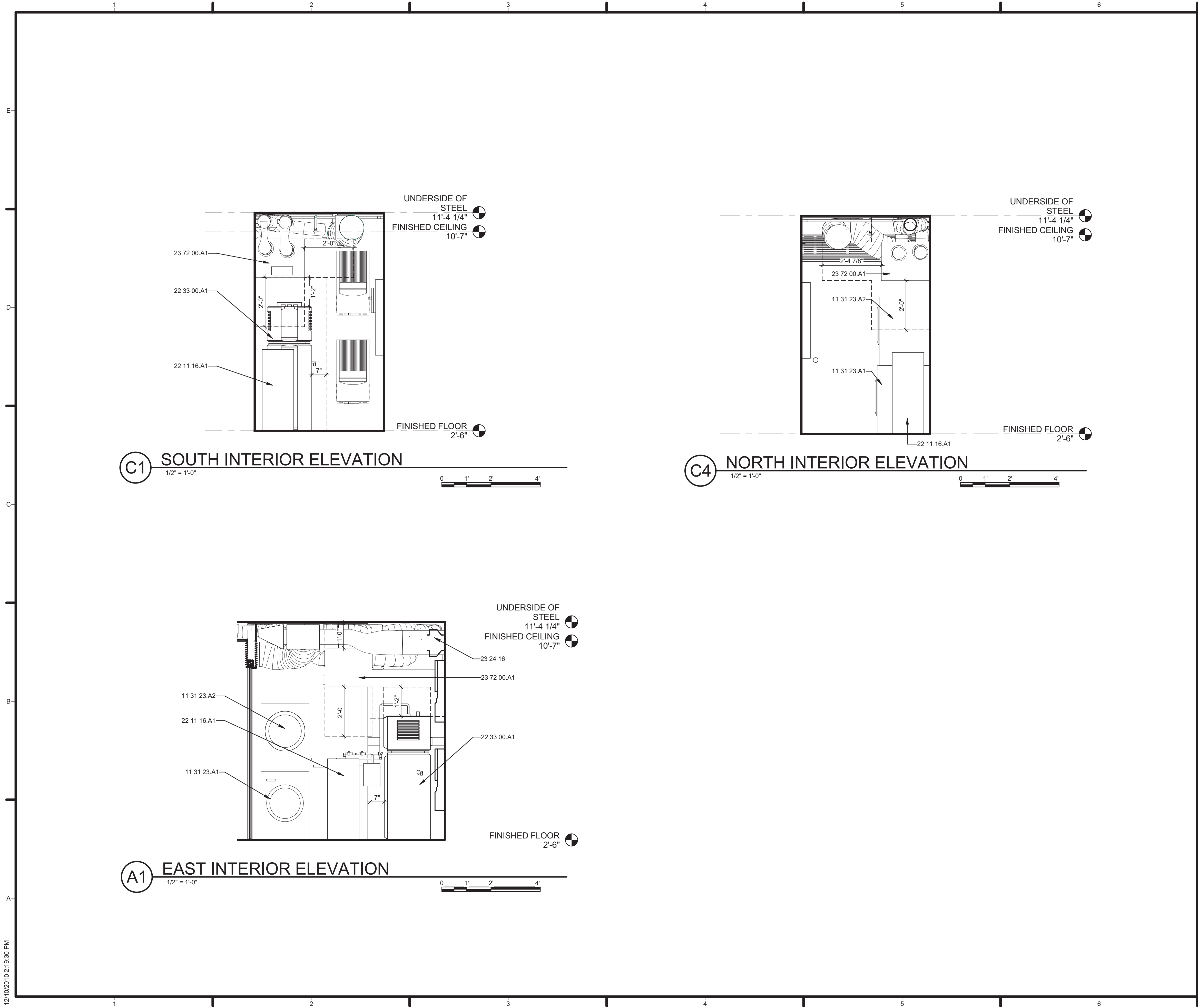
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SHEET TITLE

HVAC EQUIPMENT AND
DISTRIBUTION PLAN

M-101



GENERAL SHEET NOTES

1. DASHED LINES REPRESENT REQUIRED CLEARANCES AT MECHANICAL EQUIPMENT.

REFERENCE KEYNOTES

- | | |
|-------------|---|
| 11 31 13.A5 | OVEN |
| 11 31 23.A1 | CLOTHES WASHER |
| 11 31 23.A2 | CLOTHES DRYER |
| 22 11 16.A1 | HYDRO-PNEUMATIC TANK |
| 22 33 00.A1 | HEAT PUMP ELECTRIC WATER HEATER |
| 23 24 16 | INTERNAL-COMBUSTION ENGINE EXHAUST PIPING |
| 23 72 00.A1 | ENERGY RECOVERY VENTILATOR |

SHEET KEYNOTES



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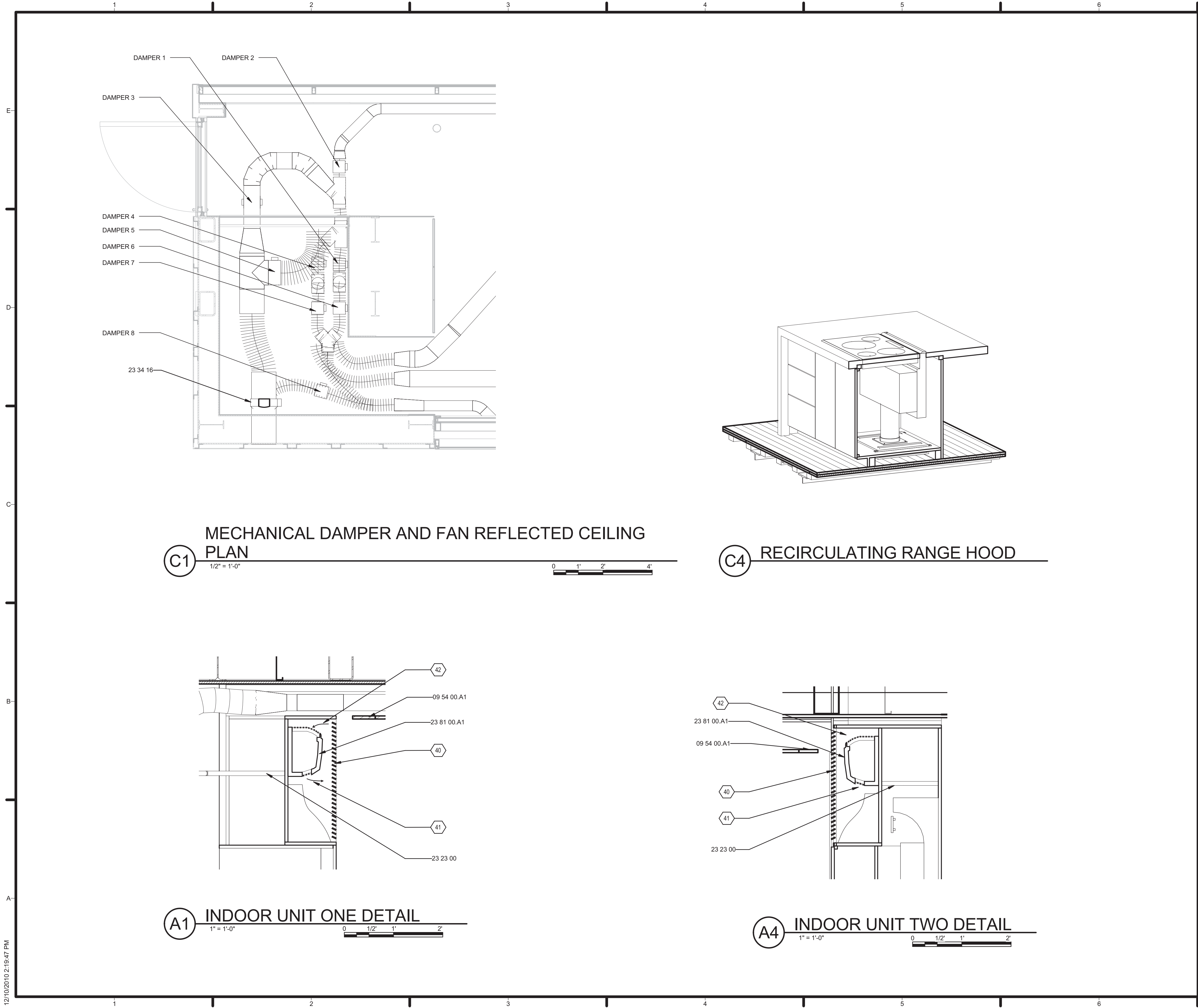


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SHEET TITLE
MECHANICAL CLOSET ELEVATIONS

M-201



GENERAL SHEET NOTES

REFERENCE KEYNOTES

09 54 00.A1	SUSPENDED PLANK ACOUSTICAL WOOD CEILING
23 23 00	REFRIGERANT PIPING
23 34 16	CENTRIFUGAL HVAC FANS
23 81 00.A1	DUCTLESS MINI-SPLIT INDOOR UNIT

SHEET KEYNOTES

40	CUSTOM WOOD GRILLE
41	CONDITIONED AIR
42	INTAKE AIR



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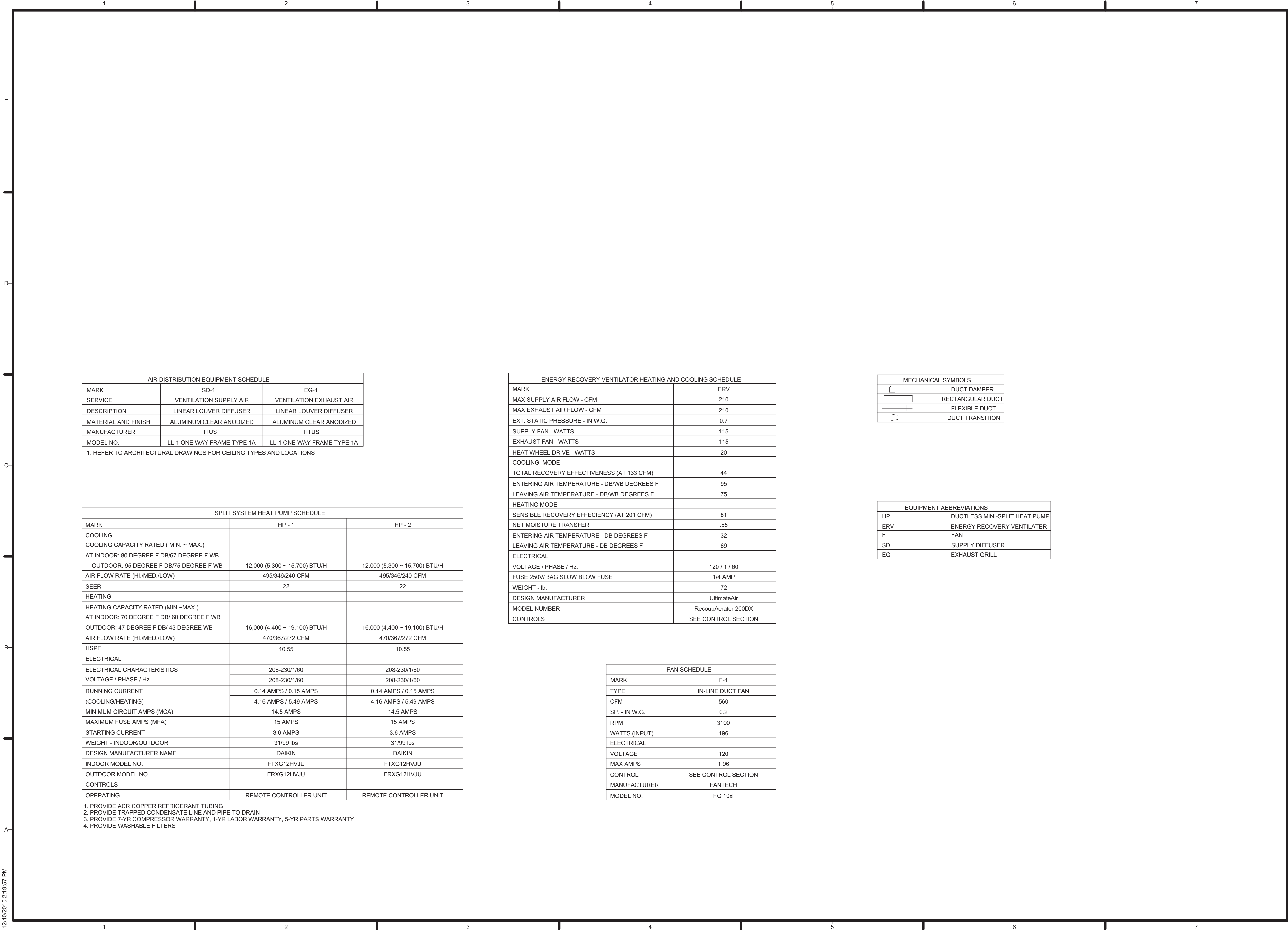


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SHEET TITLE
MECHANICAL DETAILS

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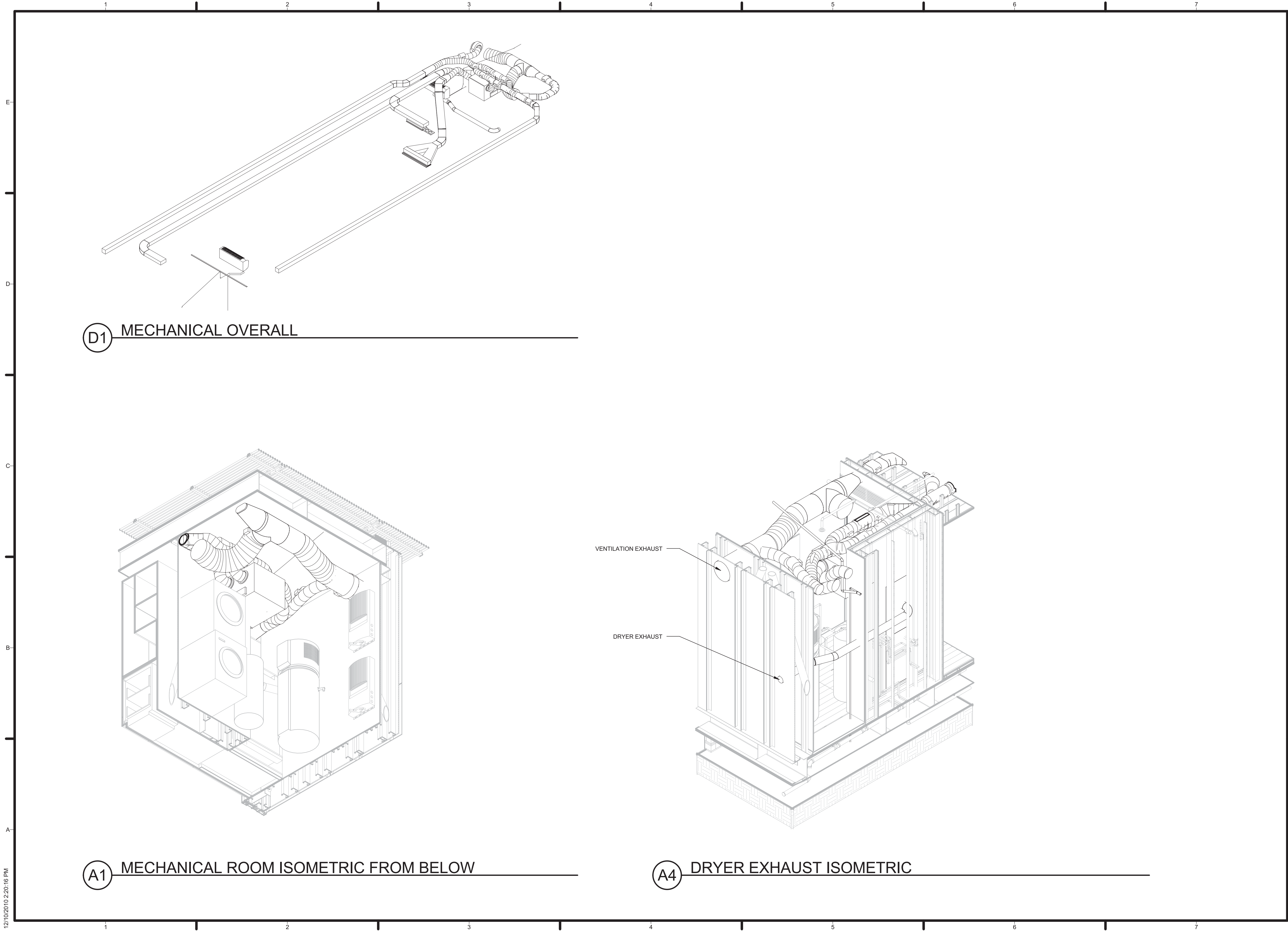


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SHEET TITLE
MECHANICAL
EQUIPMENT SCHEDULE

M-601



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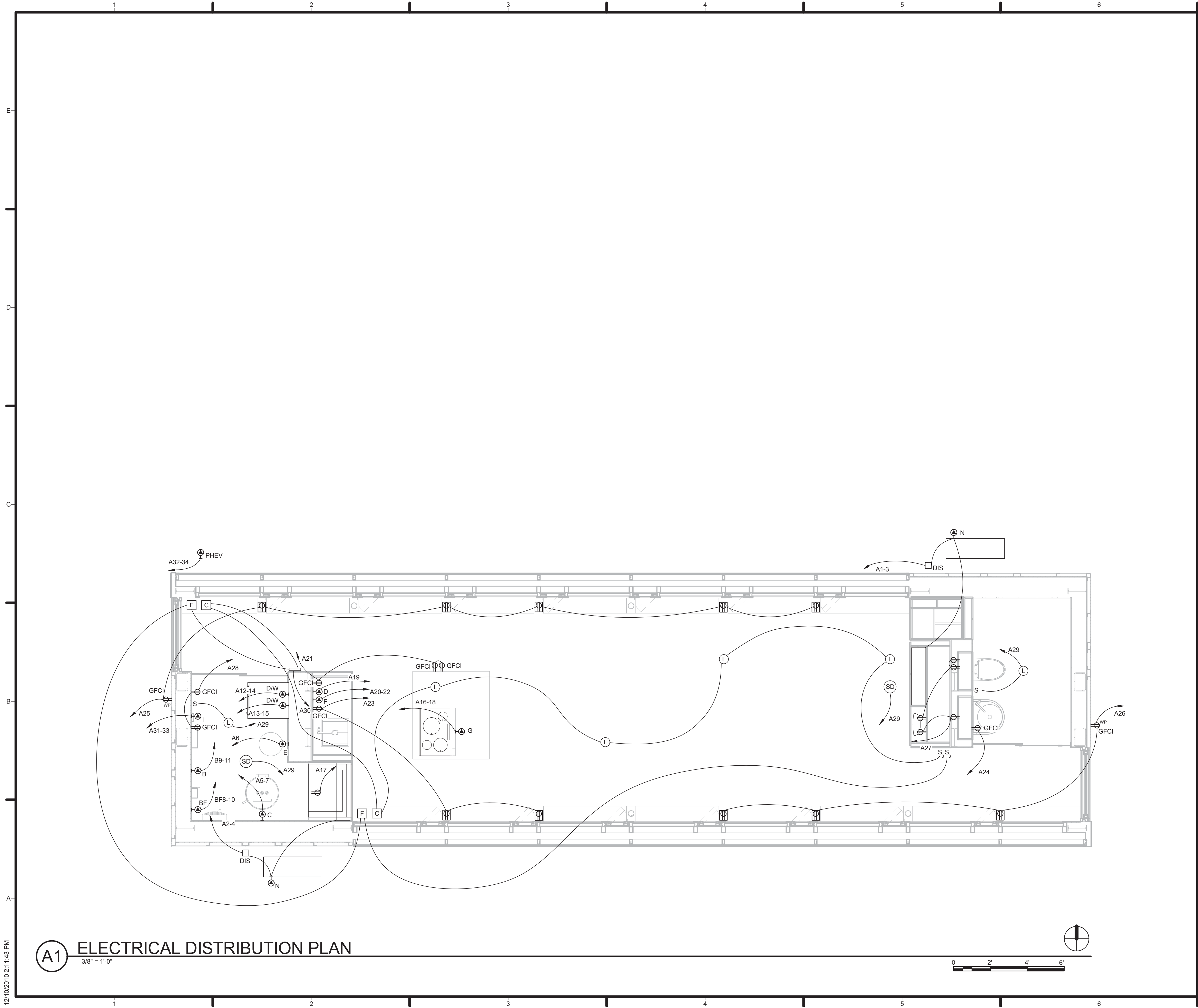
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SHEET TITLE
HVAC ISOMETRICS

M-901



GENERAL SHEET NOTES

REFERENCE KEYNOTES

SHEET KEYNOTES



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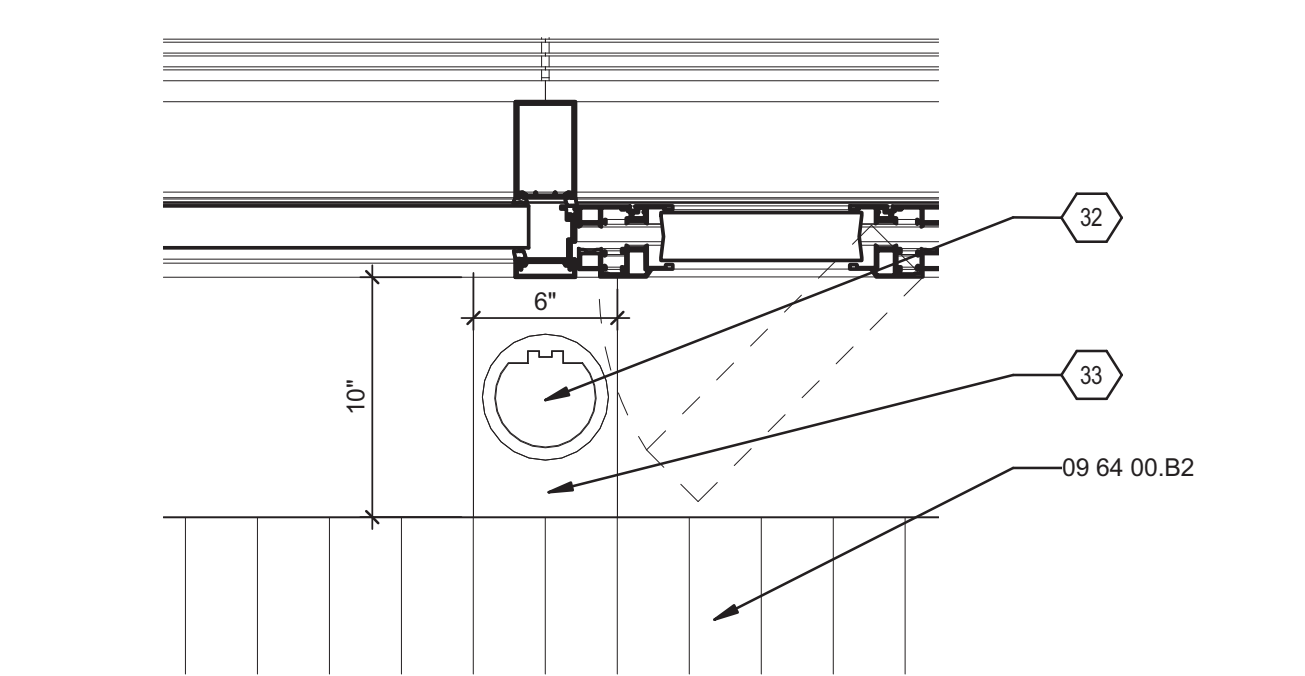
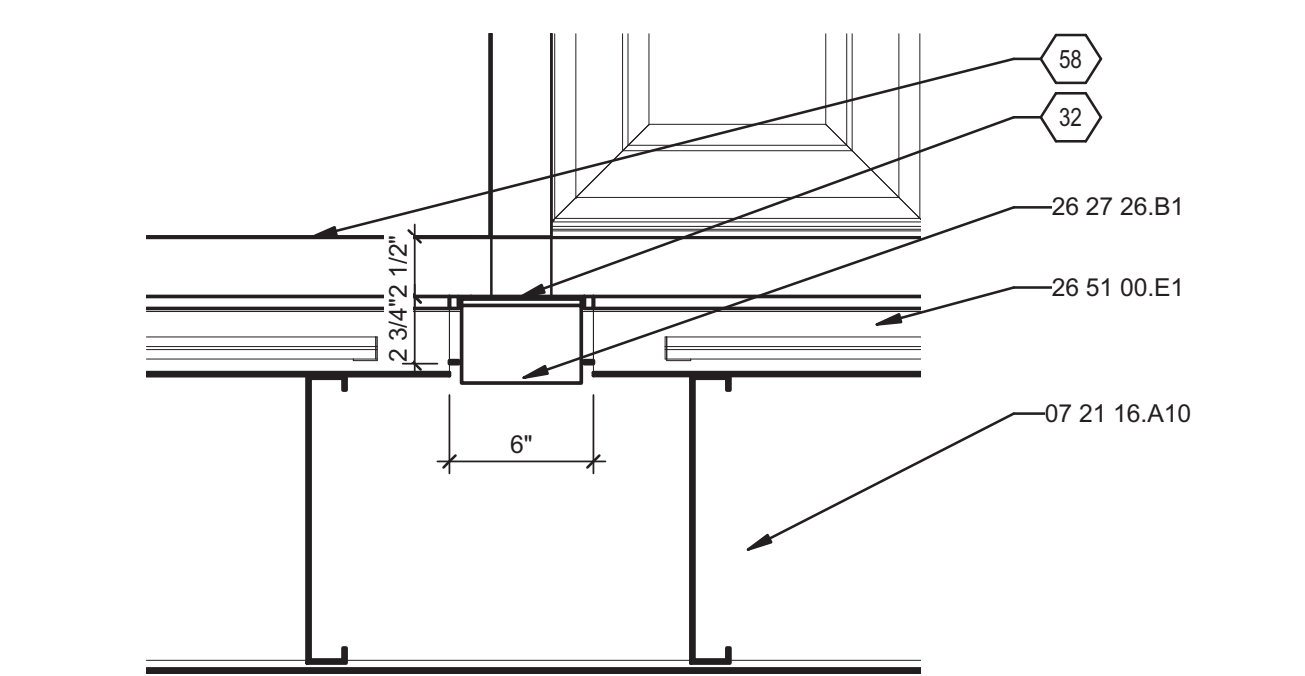
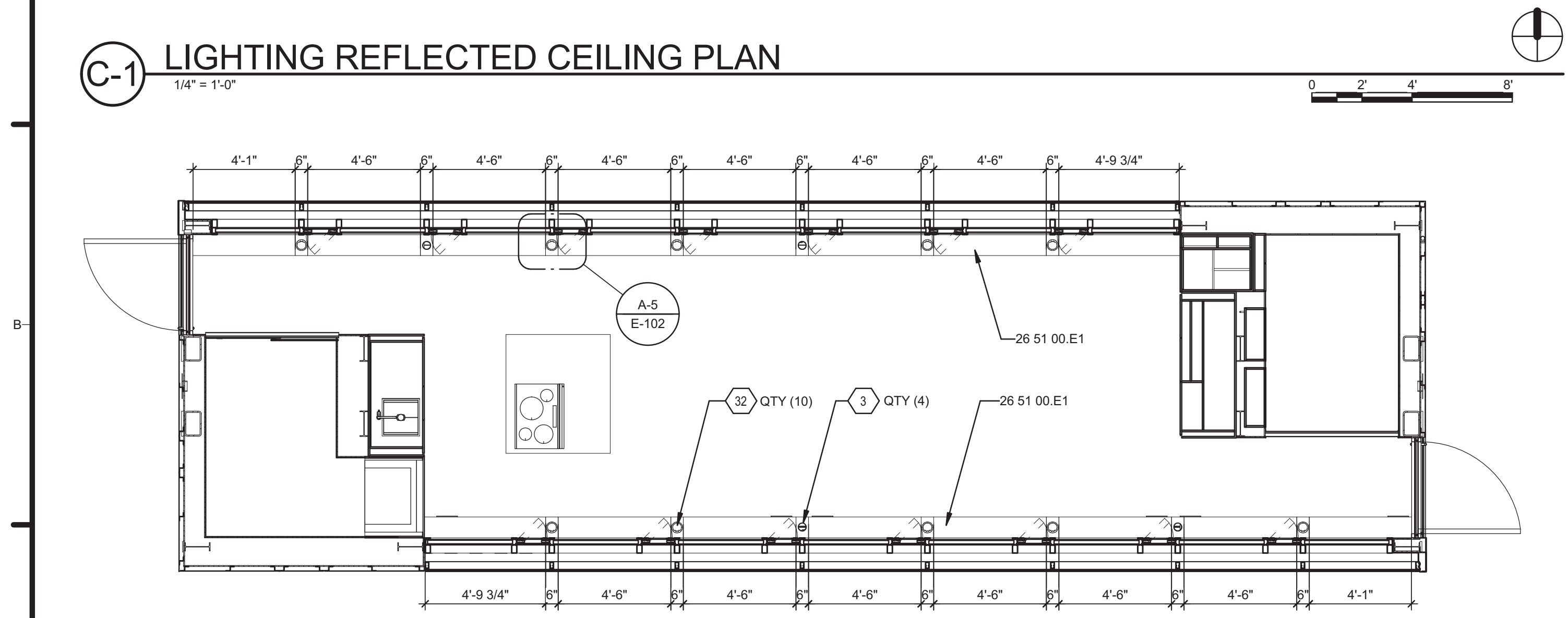
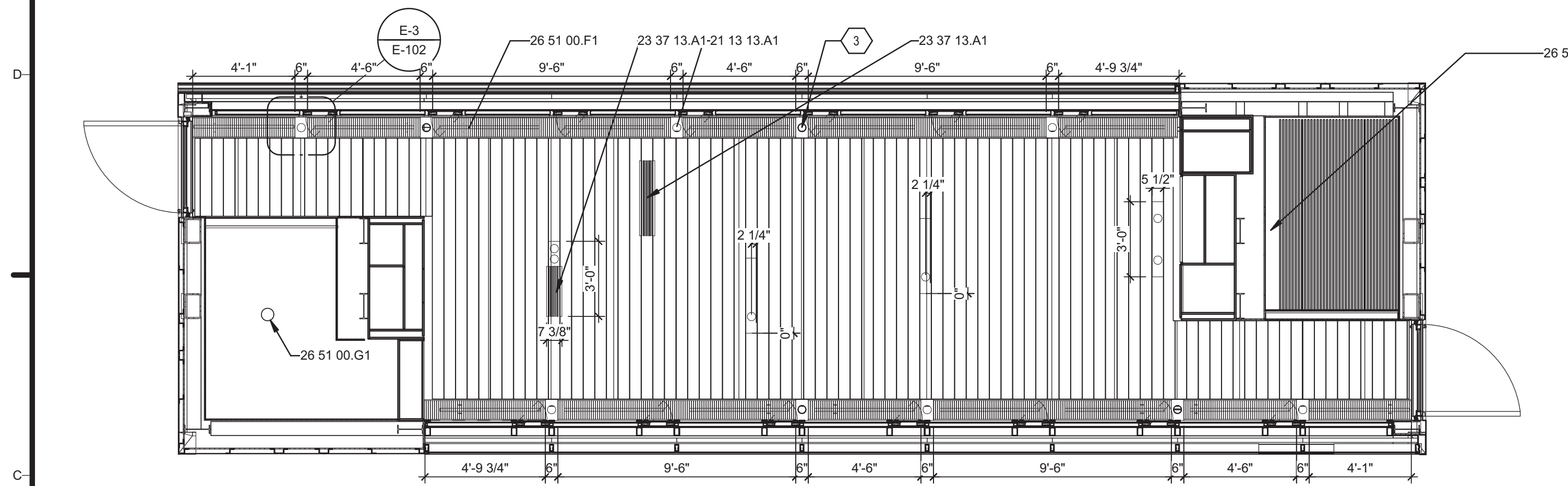
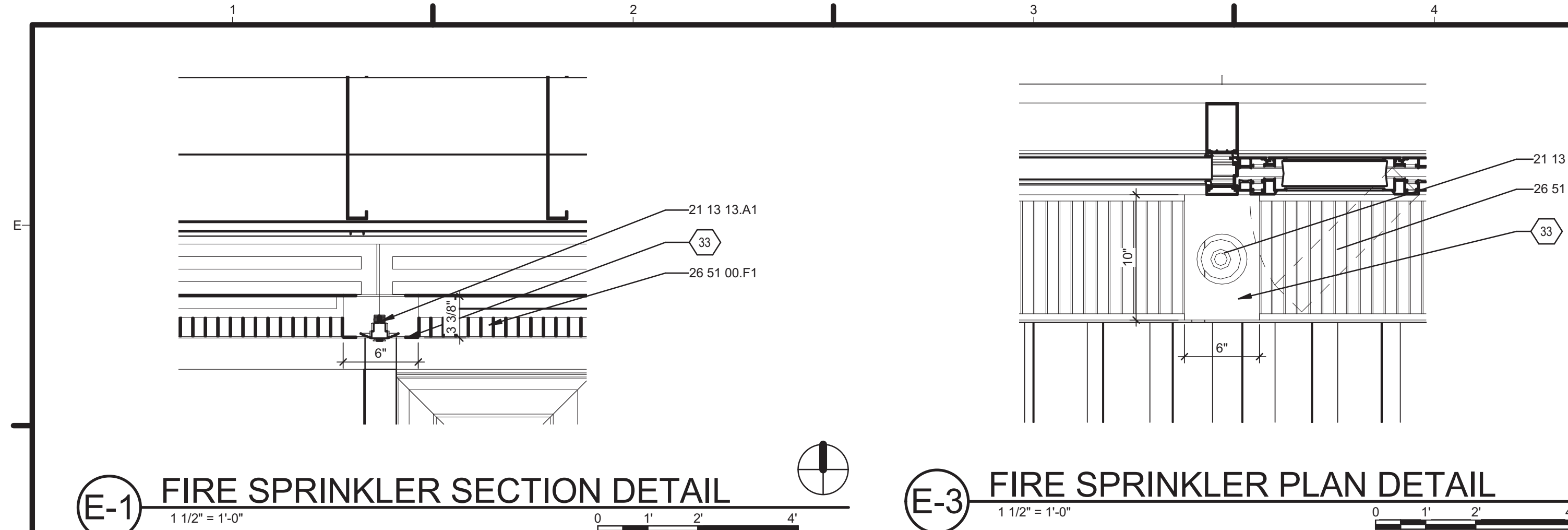
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ELECTRICAL
DISTRIBUTION PLAN

E-101

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

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GENERAL SHEET NOTES

REFERENCE KEYNOTES

07 21 16.A10	BATT INSULATION
09 64 00.B2	3/4" HARDWOOD FLOORING
21 13 13.A1	CONCEALED SPRINKLER HEAD, 180 DEGREE SPREAD
23 37 13.A1	DIFFUSER
26 27 26.B1	RECEPTACLE BOX
26 51 00.E1	10" LED LIGHT FIXTURE IN CUSTOM ALUMINUM CHANNEL WITH 1/2" FROSTED TEMPERED GLASS COVER
26 51 00.F1	10" LED LIGHT FIXTURE WITH LOUVER BAFFLE
26 51 00.G1	4" CAN LIGHT

SHEET KEYNOTES

3	STEEL COLUMN, REFERENCE STRUCTURAL
32	STAINLESS STEEL RECEPTACLE, CENTERED ON ALUMINUM PLATE
33	CUSTOM ALUMINUM PLATE
58	T.O. FINISHED FLOOR



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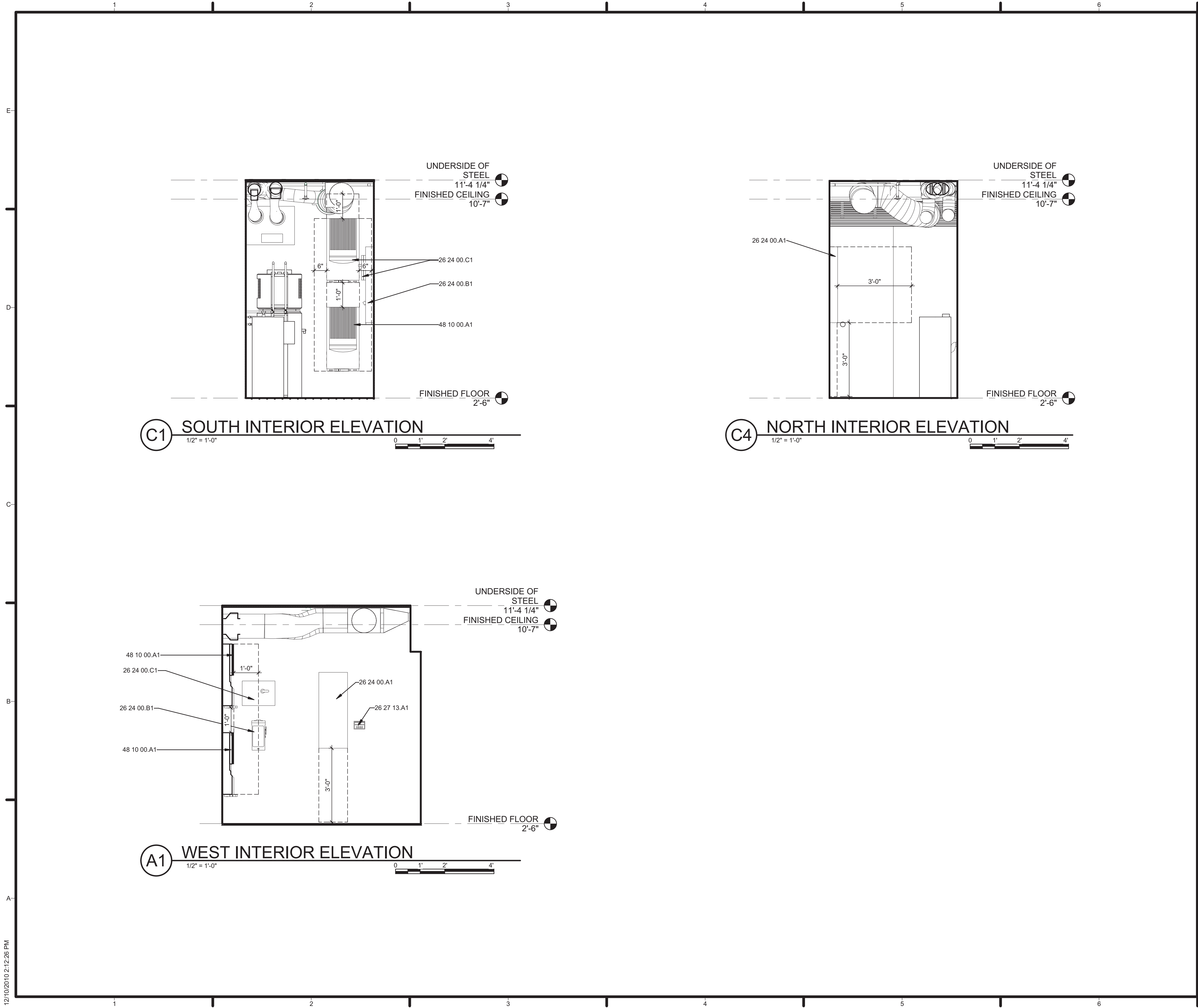
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SHEET TITLE

LIGHTING PLAN

E-102



GENERAL SHEET NOTES

1. DASHED LINES REPRESENT CLEARANCES AROUND EQUIPMENT.

REFERENCE KEYNOTES

26 24 00.A1	DISTRIBUTION PANEL
26 24 00.B1	AC DISCONNECT
26 24 00.C1	DC DISCONNECT
26 27 13.A1	ELECTRICAL METER
48 10 00.A1	INVERTER

SHEET KEYNOTES



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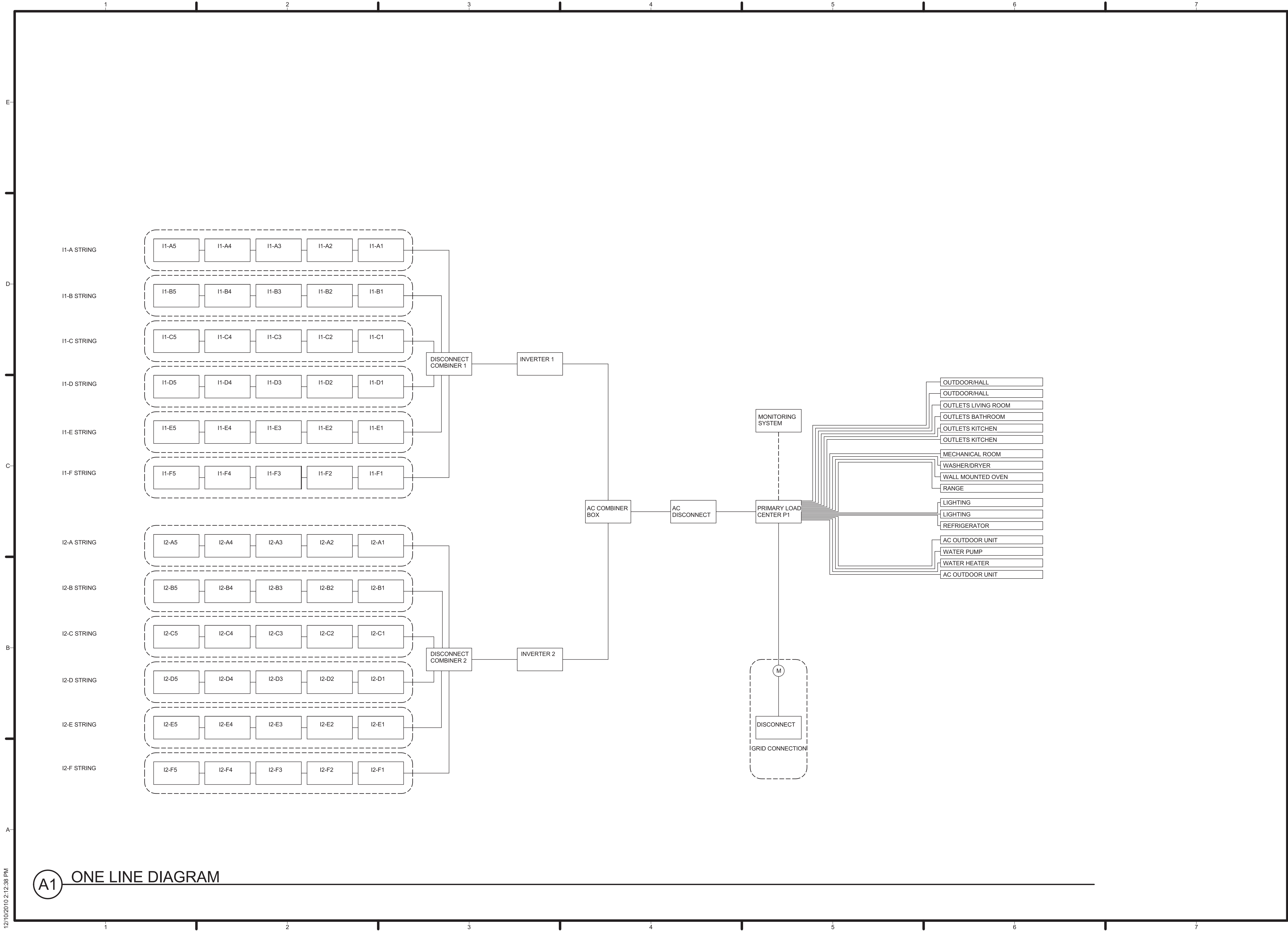


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SHEET TITLE
ELECTRICAL CLOSET ELEVATIONS

E-201



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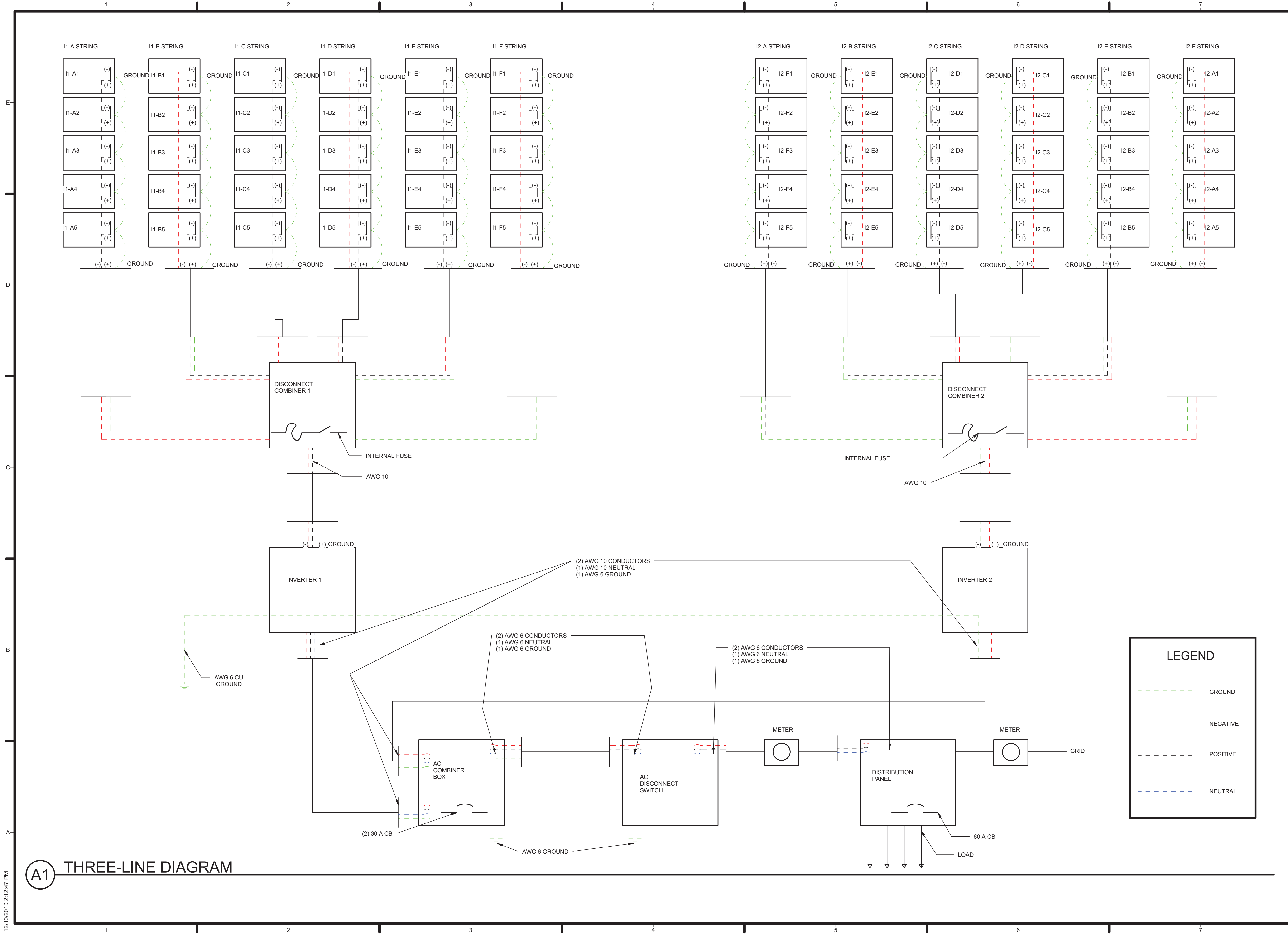


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SHEET TITLE
ONE-LINE DIAGRAM

E-601



A1 THREE-LINE DIAGRAM



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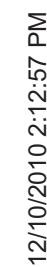
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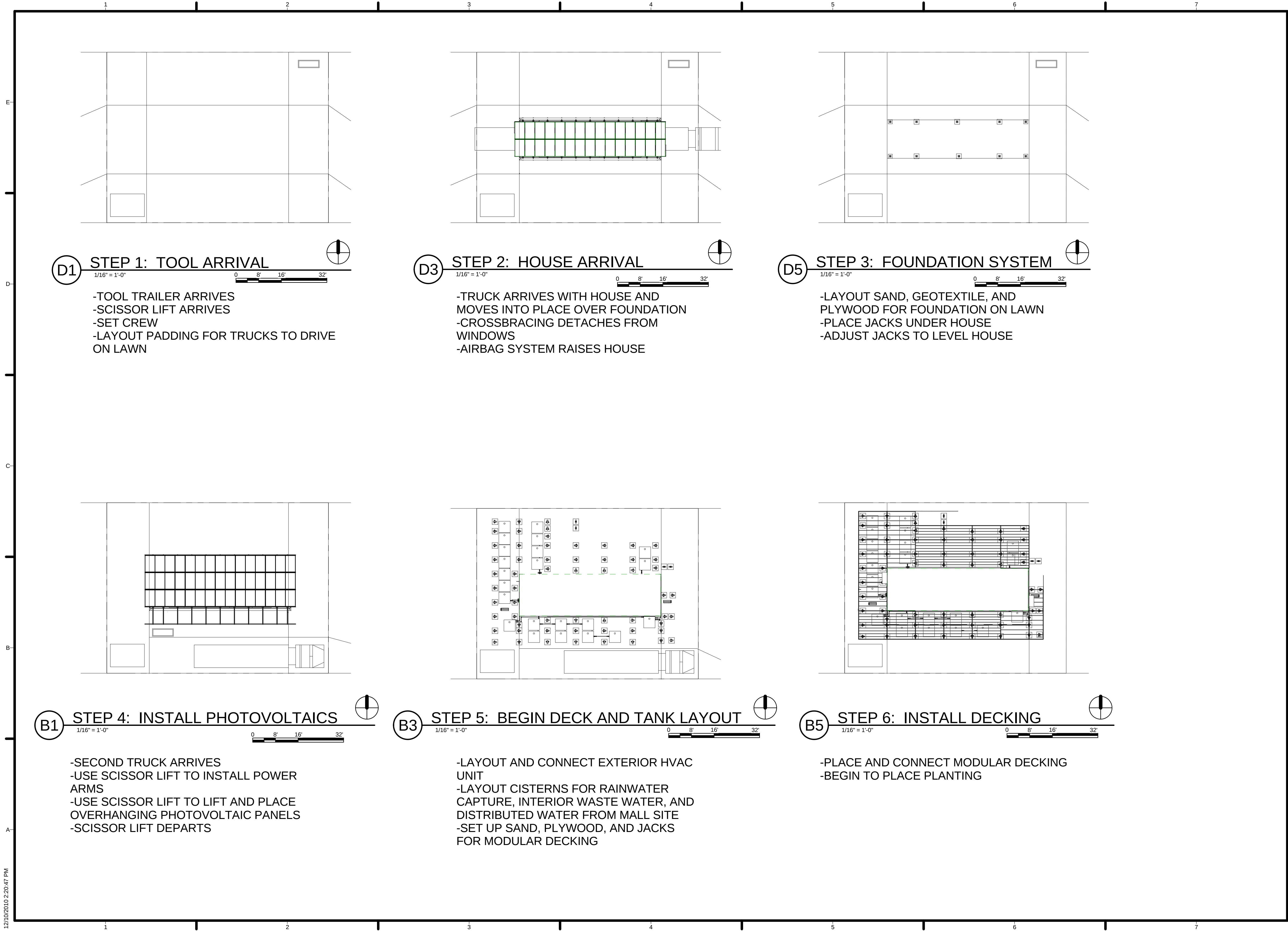
THREE-LINE DIAGRAM

E-602

12/10/2010 2:12:47 PM

3

E-603



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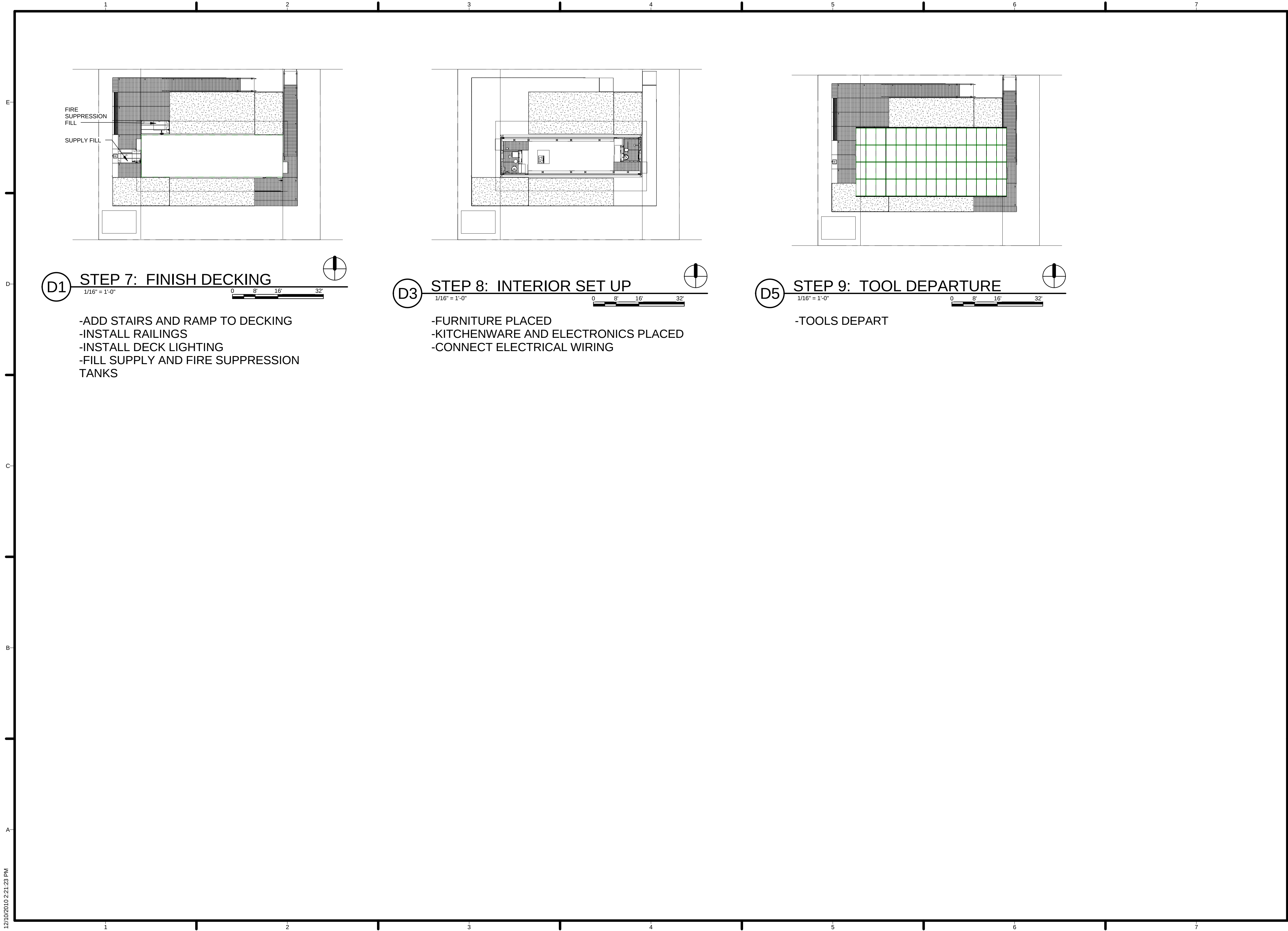


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SHEET TITLE
ARRIVAL SEQUENCE
PHASE 1

O-101



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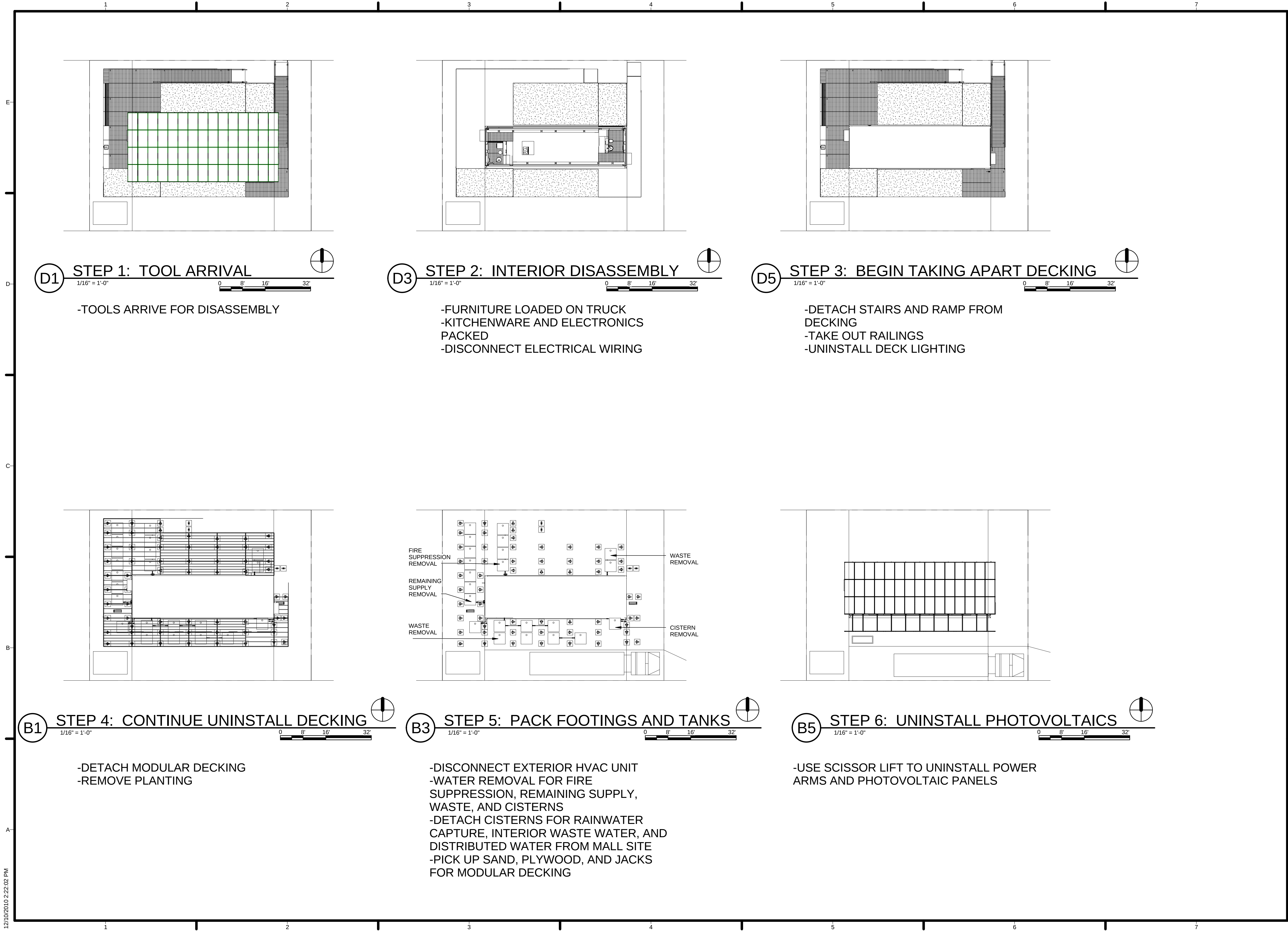
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SHEET TITLE

ARRIVAL SEQUENCE
PHASE 2

O-102



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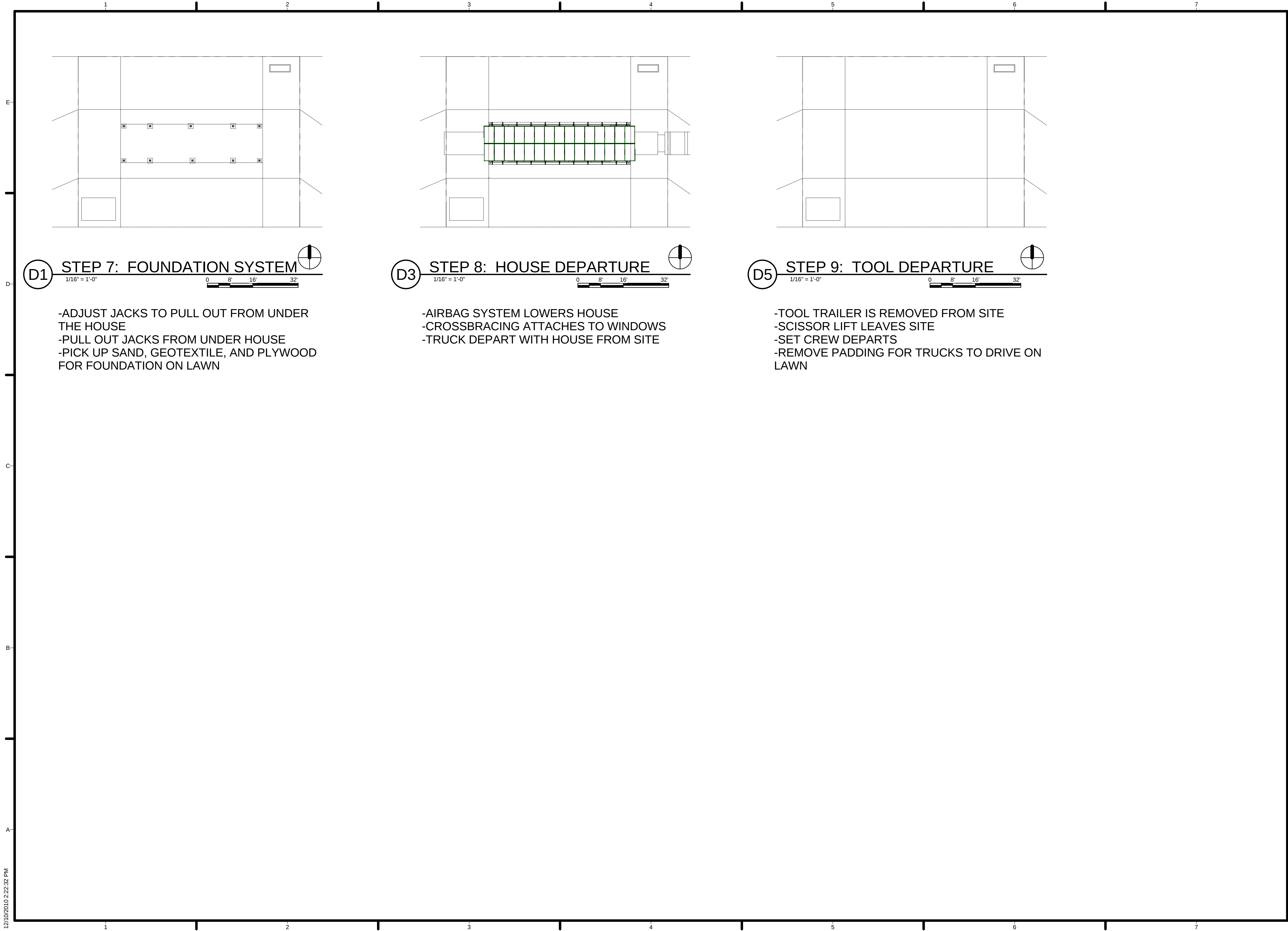


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SHEET TITLE
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SEQUENCE PHASE 1

O-103



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DISASSEMBLY
SEQUENCE PHASE 2

O-104