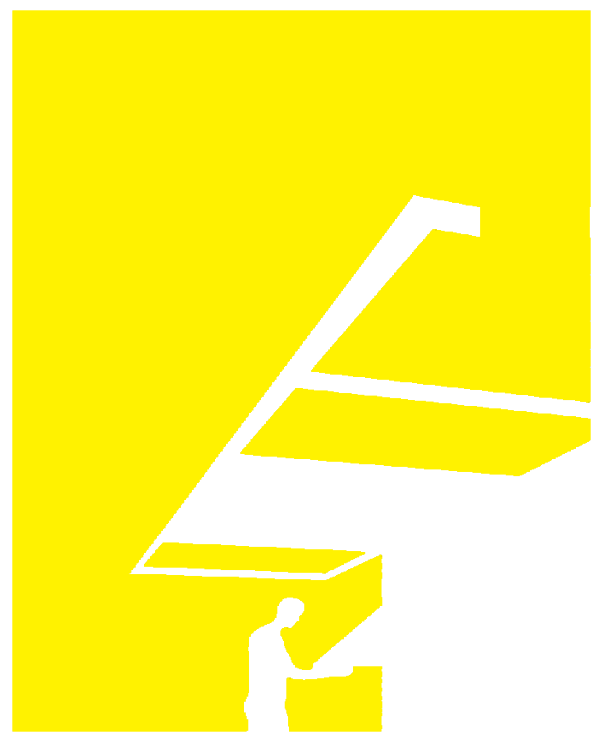
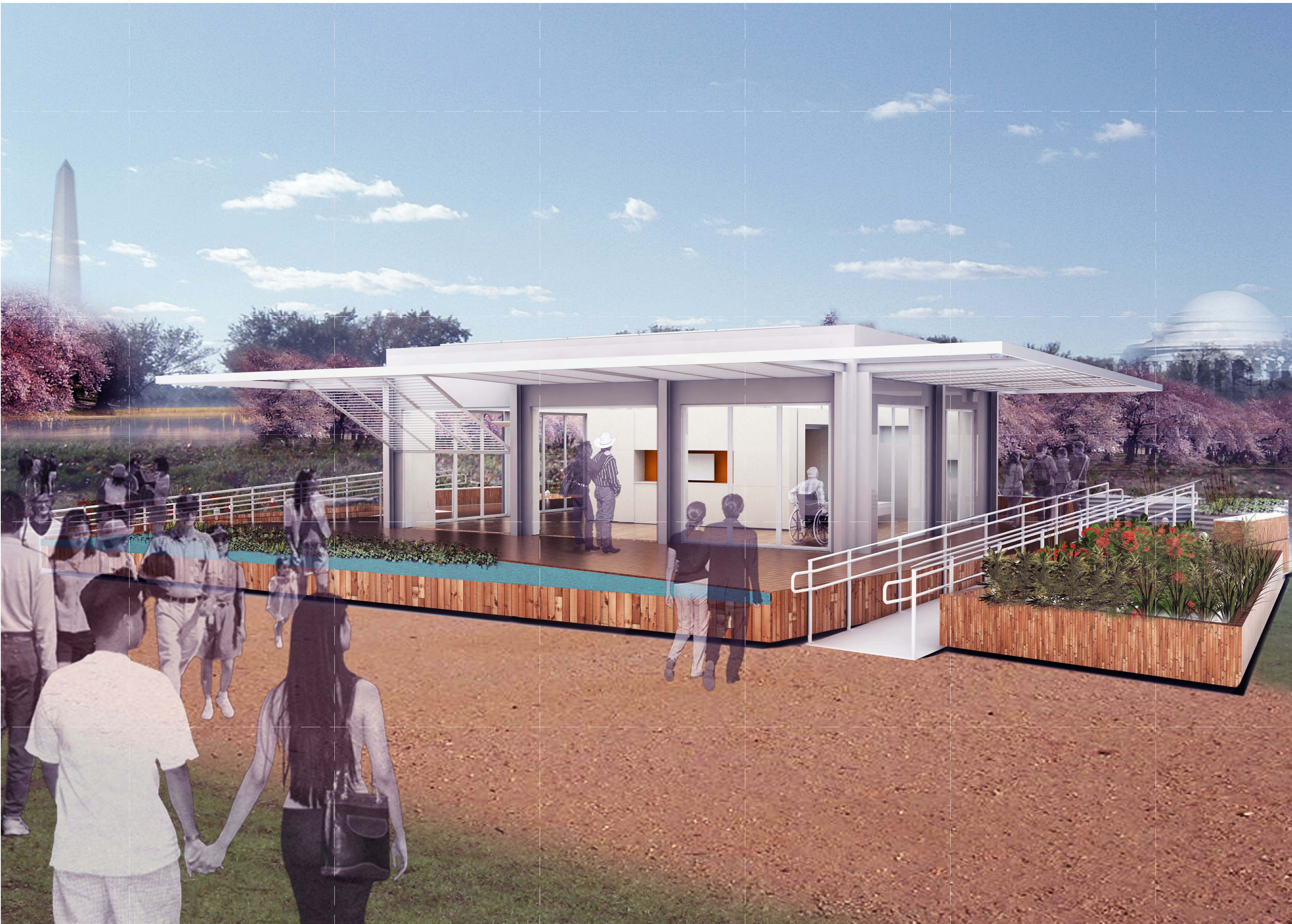


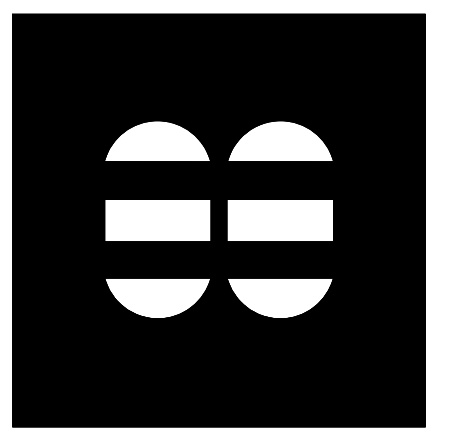
perFORM[D]ance House

FLORIDA INTERNATIONAL UNIVERSITY



TEAM NAME: perFORM[D]ance House
 ADDRESS: FLORIDA INTERNATIONAL UNIVERSITY
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ORIGINAL PUBLISH DATE: 2011-03-22
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SHEET TITLE
COVER SHEET

SHEET NUMBER
G-001

PROJECT CONTACTS

PROJECT TITLE: PerFORM[D]ance House
OWNER: FLORIDA INTERNATIONAL UNIVERSITY
MODesto A. MAIDIQUE CAMPUS
11200 SW 8 STREET
MIAMI, FL 33199
FACULTY ADVISOR: MARILYS R. NEPOMECHIE, FAIA
DEPARTMENT OF ARCHITECTURE
COLLEGE OF ARCHITECTURE + THE ARTS
PROJECT MANAGER: ANDY MADONNA
PROJECT ARCHITECTS: MANNY DORTICOS
MARIO MENENDEZ
INTERIOR DESIGN: TARI PELAEZ
GAYLUZ RIVERA-CLAUDIO
CHRISTINA RODRIGUEZ
LANDSCAPE ARCHITECTS: TYLER SCHWARTZ
PROJECT ENGINEERS: MICHELLE MARKOVITS
THOMAS BRYAN
ORLANDO LEON
ROBERT MOLINA
MEASURED CONTEST CAPTAIN: DEANA SRITALAPAT
INSTRUMENTATION MANAGER: LUIS D. SANCHEZ
CONSTRUCTION MANAGER: CHRISSY PEREZ
HEALTH & SAFETY OFFICER: ALFONSO RODRIGUEZ
FIRE WATCH CAPTAIN: ALVARO GAZO
COST ESTIMATOR: CARLOS ROMERO
PROJECT MANUAL : SUSANNE SCHIFFER
PUBLIC RELATIONS CONTACT: ED SEYMOUR
MEDIA & WEBSITE CONTACTS: ISIS FUMERO
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PROJECT CONSULTANTS

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CONTRACTOR: JORGE MOROS
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(954)920-5167
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www.skanska.com
Jorge.moros@skanska.com
CGC1506260

ABBREVIATIONS

AC ALTERNATING CURRENT
ADJ ADJUSTABLE
A.F.F ABOVE FINISHED FLOOR
ALUM ALUMINUM
B.O BOTTOM OF
CFM CUBIC FEET PER MINUTE
COL COLUMN
CONC CONCRETE
CW COLD WATER
DC DIRECT CURRENT
EA EACH
F.F.E FINISHED FLOOR ELEVATION
FIU FLORIDA INTERNATIONAL UNIVERSITY
GA GAUGE
GYP GYPSUM
HSS HOLLOW STEEL SECTION
HVAC HEATING, VENTILATION & AIR CONDITIONING
HW HOT WATER
INSUL INSULATION
MAX MAXIMUM
MEP MECHANICAL, ELECTRICAL & PLUMBING
MIN MINIMUM
MTL METAL
N.T.S NOT TO SCALE
O.C ON CENTER
PFAS PERSONAL FALL ARREST SYSTEM
PV PHOTOVOLTAIC
RAD RADIUS
R.O. ROUGH OPENING
RWL RAIN WATER LEADER
S.F. SQUARE FEET
SIM SIMILAR
STL STEEL
T.O. TOP OF
T&G TONGUE & GROOVE
TYP TYPICAL

APPLICABLE CODES

2007 FLORIDA BUILDING CODE (FBC)
2009 INTERNATIONAL RESIDENTIAL CODE (IRC)
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2008 NATIONAL ELECTRIC CODE (NEC)
SOLAR DECATHLON RULES, UPDATED OCTOBER 22, 2010
SOLAR DECATHLON BUILDING CODE, UPDATED OCTOBER 22, 2010

SPECIAL PROJECT CONSIDERATIONS

THIS PROJECT IS INTENDED TO COMPLY WITH APPLICABLE SETS OF CODES AS LISTED ABOVE, SITE CONDITIONS AND JURISDICTIONS. THE PROJECT IS INTENDED TO ACT AS A HOUSE TO BE ASSEMBLED AT THE NATIONAL MALL IN WASHINGTON, D.C. AS PART OF THE U.S. DEPARTMENT OF ENERGY 2011 SOLAR DECATHLON COMPETITION. ONCE THE COMPETITION HAS CONCLUDED, THE PROJECT WILL THEN RETURN TO THE FLORIDA INTERNATIONAL UNIVERSITY MODESTO MAIDIQUE CAMPUS TO SERVE AS OFFICE SPACE. APPLICABLE CODES, PROJECT DATA AND DESIGN CRITERIA REFLECT SUCH CIRCUMSTANCES.

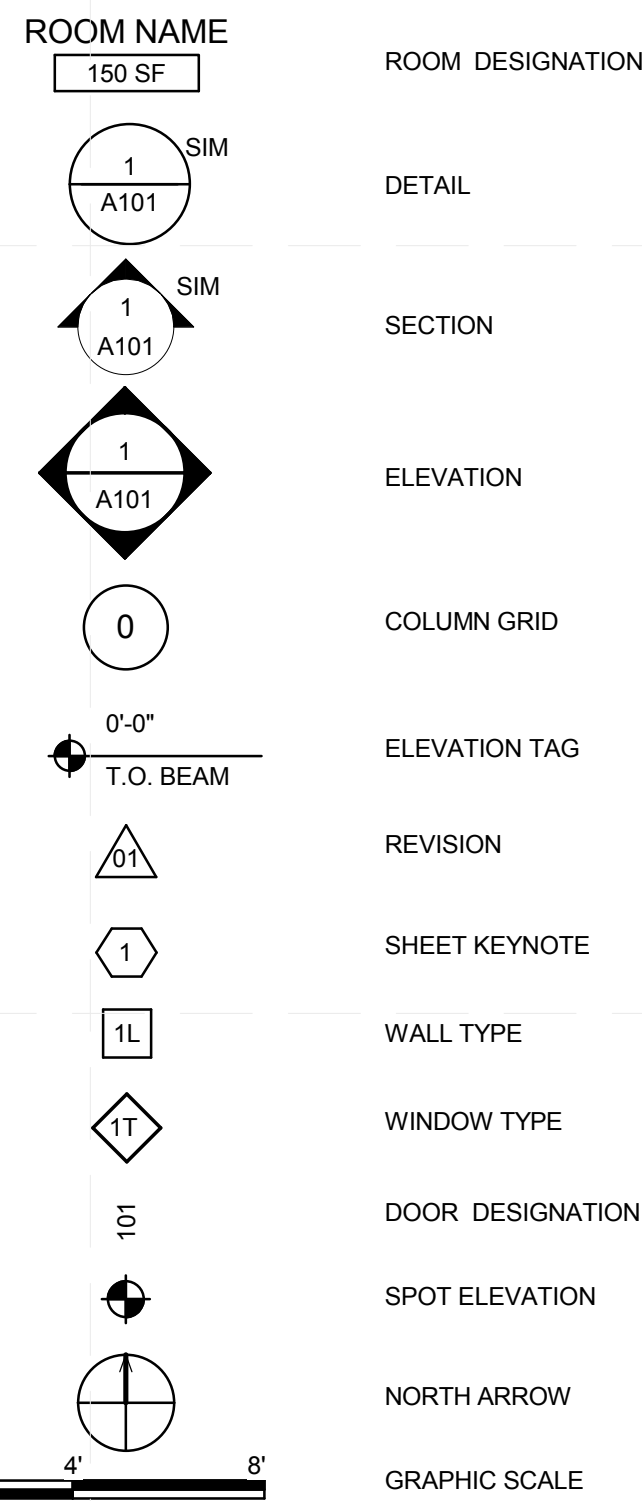
SOLAR DECATHLON PROJECT DATA

OCCUPANCY CLASSIFICATION: R-3 RESIDENTIAL
TYPE OF CONSTRUCTION: V
BUILDING AREA: 875 SQUARE FEET
SITE AREA: 4,680 SQUARE FEET
OCCUPANT LOAD: 8 OCCUPANTS
FIRE SPRINKLERS: YES

UNIVERSITY CAMPUS PROJECT DATA

OCCUPANCY CLASSIFICATION: B BUSINESS
TYPE OF CONSTRUCTION: V
BUILDING AREA: 876 SQUARE FEET
SITE AREA: 4,680 SQUARE FEET
OCCUPANT LOAD: 9 OCCUPANTS
FIRE SPRINKLERS: YES

GENERAL SYMBOLS LEGEND



DRAWING BLOCK TITLE

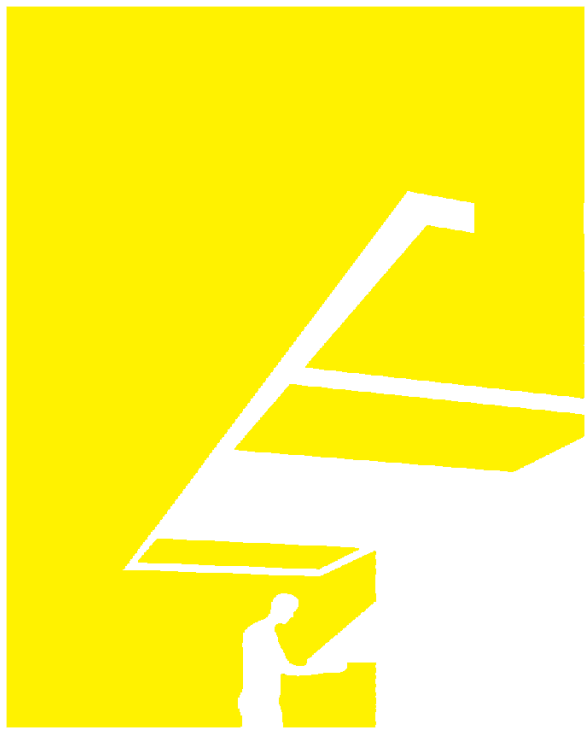
1 1/2" = 1'-0"

INDEX OF DRAWINGS

Table with columns: SHEET #, SHEET NAME, Rev #, Date, Description. Lists sheets A-0 through O-603 including Field Dimensions, Cover Sheet, Structural Notes, and various interior design and construction details.

INDEX OF DRAWINGS

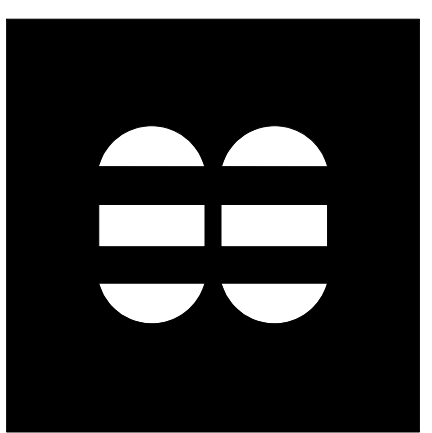
Table with columns: SHEET #, SHEET NAME, Rev #, Date, Description. Lists sheets G-001 through G-002, covering Cover Sheet, Index of Drawings, and General Notes & Symbols.



TEAM NAME: perFORM[D]ance House
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Table with columns: MARK, DATE, DESCRIPTION. Row 1: 1, 2011-06-27, FIU PERMIT

ORIGINAL PUBLISH DATE: 2011-03-22

SHEET INFORMATION

LOT NUMBER: 206
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SHEET TITLE

INDEX OF DRAWINGS,
GENERAL NOTES &
SYMBOLS
SHEET NUMBER

G-002

DESIGN INTENT AND TARGET MARKET DESCRIPTION

THE PerFORM[D]ance HOUSE IS A 800 SQUARE FOOT HOME THAT AIMS TO REMAIN AFFORDABLE AND SPEAK TO LOCAL TROPICAL/SUBTROPICAL CLIMATES WITH HIGH HUMIDITY, HOT TEMPERATURES AND SUBSTANTIAL HURRICANE RISKS. THE PAVILLION-INSPIRED PerFORM[D]ance HOUSE EMPLOYS MANY PASSIVE STRATEGIES TO HELP TACKLE THE COOLING NEEDS OF THE HOUSE. AS ONE OF MANY EXAMPLES, A LAYERED FACADE SYSTEM ALLOWS FOR OPTIMUM FLEXIBILITY AND TEMPERATURE CONTROL. FOLDABLE GLASS WALLS OPEN UP COMPLETELY TO ALLOW FOR NATURAL BREEZES, WHILE DUAL-PURPOSE OPERABLE SHUTTERS CAN PROVIDE SHADING AND PROTECT THE HOUSE FROM HURRICANE FORCE WINDS. COMBINING FUNCTIONS SUCH AS SHADE, PRIVACY AND HURRICANE PROTECTION INTO A SINGLE ELEMENT, ELIMINATES THE NEED FOR MULTIPLE MATERIALS.

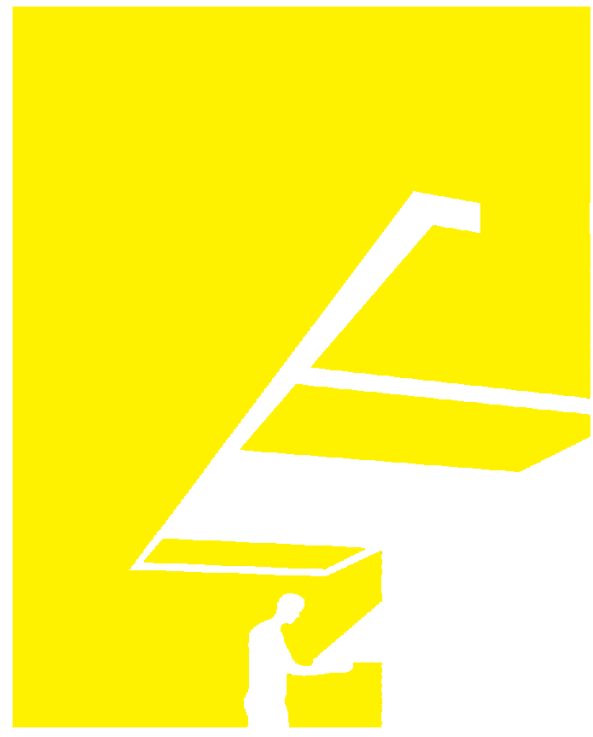
ONLY WHEN PASSIVE STRATEGIES ARE INSUFFICIENT, ACTIVE SYSTEMS ARE IMPLEMENTED TO MAINTAIN COMFORTABLE INTERIOR TEMPERATURES AND HUMIDITY LEVELS. THESE ACTIVE SYSTEMS WILL DETECT THE NEEDS OF THE OCCUPANT, THROUGH THE USE OF SENSORS, AND RESPOND AUTOMATICALLY, THUS ENHANCING THE PERFORMATIVE QUALITIES OF THE HOUSE WHILE CUTTING COSTS. IN ADDITION, KEEPING OUR MECHANICAL CORE COMPACT AND CENTRALLY LOCATED REDUCES MATERIALS AND AIRFLOW LOSSES, WHICH MAKES FOR A MORE EFFICIENT, MORE AFFORDABLE SYSTEM.

THE INTERIOR CONSISTS OF AN OPEN FLOOR PLAN. THE CENTRAL CORE HOUSES ALL PROGRAMMATIC NEEDS, SUCH AS THE KITCHEN, ENTERTAINMENT AREA, WORKSPACE, BEDROOM, AND BATH. THE HOUSE SERVES USERS WHO LIVE SUSTAINABLY AND DESIRE OPEN FLEXIBLE LIVING.

THE PerFORM[D]ance HOUSE'S EXTERIOR DECK IS JUST AS IMPORTANT AS THE INTERIOR. THROUGH THE USE OF NATIVE PLANTS, RAINWATER COLLECTION, BIO FILTERS, AND AN EDIBLE GARDEN, THE IDEA OF RENEWABLE ENERGY IS EVERYWHERE. THIS HOLISTIC APPROACH TO DESIGN FACILITATES A SUSTAINABLE, AFFORDABLE PROJECT.

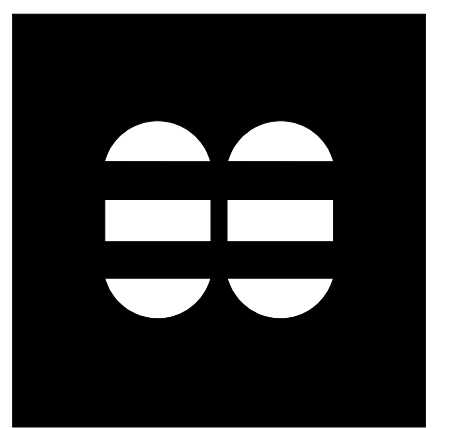
THE PerFORM[D]ance HOUSE WAS DESIGNED FOR MR. AND MRS. GONZALEZ, A MIDDLE-AGED HISPANIC AND AMERICAN COUPLE. THESE EMPTY NESTERS WANTED TO REDUCE THEIR IMPACT ON THE ENVIRONMENT BY OWNING A SUSTAINABLE SOLAR-POWERED HOME AFTER THEIR CHILDREN MOVED OFF TO COLLEGE. JUAN GONZALEZ IS A SELF-EMPLOYED CONTRACTOR AND A PIONEER FOR GREEN BUILDING IN THE MIAMI AREA. ALICE GONZALEZ IS AN ART HISTORY PROFESSOR AT FLORIDA INTERNATIONAL UNIVERISYT AND HAS PUBLISHED THREE BOOKS. UNFORTUNATELY, ALICE'S MULTIPLE SCLEROSIS HAS WORSEND AND SHE REMAINS WHEELCHAIR BOUND. THE GONZALEZ'S NEW HOME HAS BEEN DESIGNED TO ACCOMMODATE ALICE AND ALL OTHER HANDICAPABLE INDIVIDUALS BY COMPLYING WITH ADA ACCESSIBILITY GUIDELINES AND CATERING TO HER SPECIFIC NEEDS. FOR ALICE THE HOUSE PERFORMS AND RESPONDS TO HER NEEDS. THE OPEN PLAN OF THE HOUSE WILL NOT INHIBIT ALICE DURING HER MORE SEVERE EPISODES, AND AFFORDS HER FULL FLEXIBILITY DURING HER PERIODS OF NO SYMPTOMS.

LOCATION	MIAMI, FL
HOUSING TYPE	PRIMARY RESIDENCE
NO. OF OCCUPANTS	2
OCCUPANT DEMOGRAPHIC	EMPTY NESTERS, AGE: 50s
NO. OF BEDROOMS	1
COMBINED INCOME	\$150,000.00



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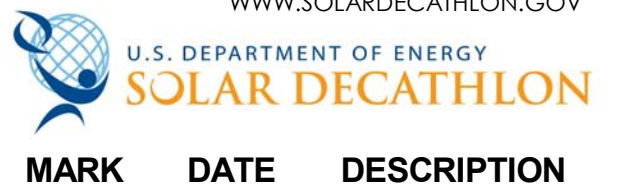
CONSULTANTS
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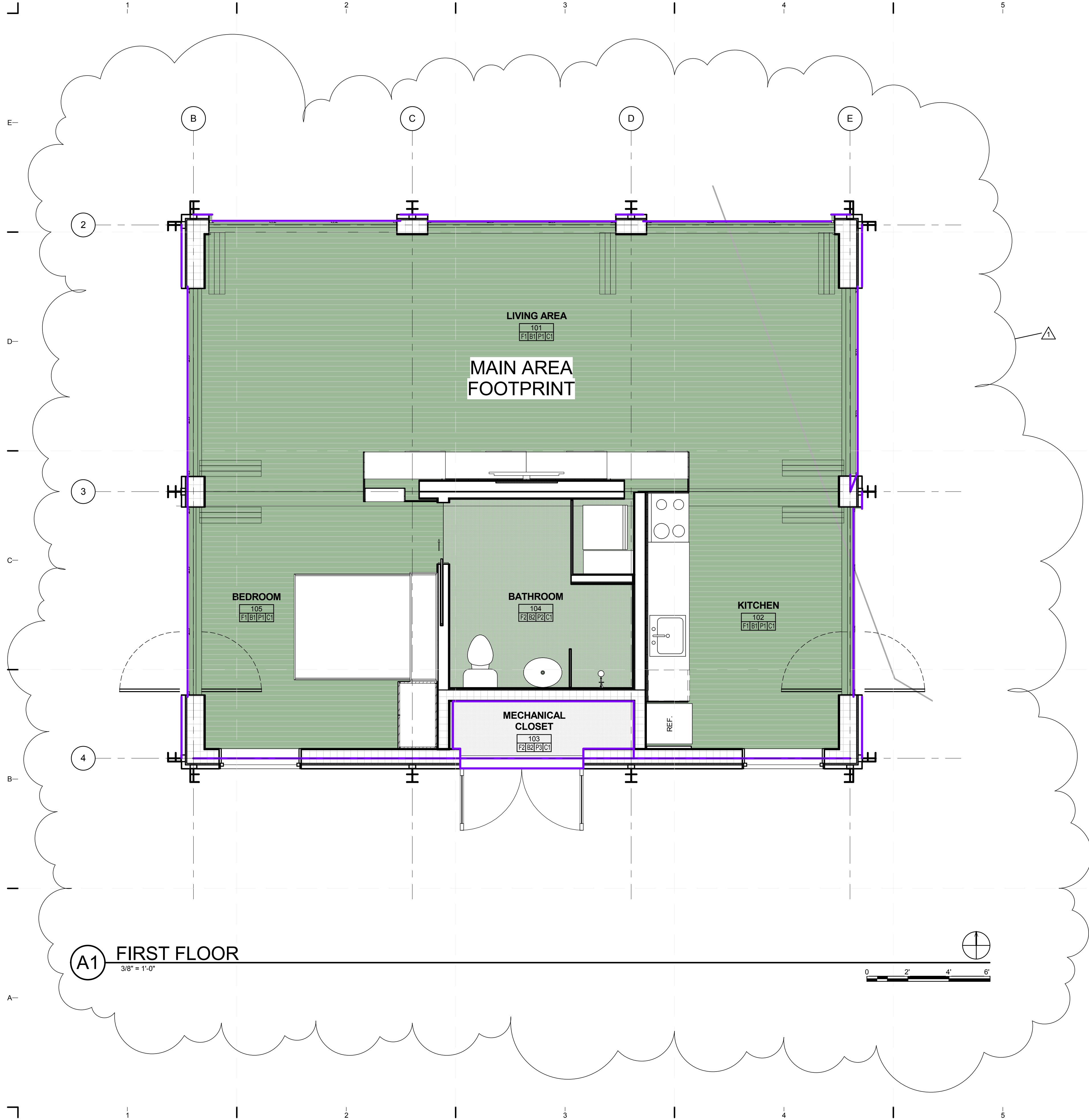


MARK DATE DESCRIPTION

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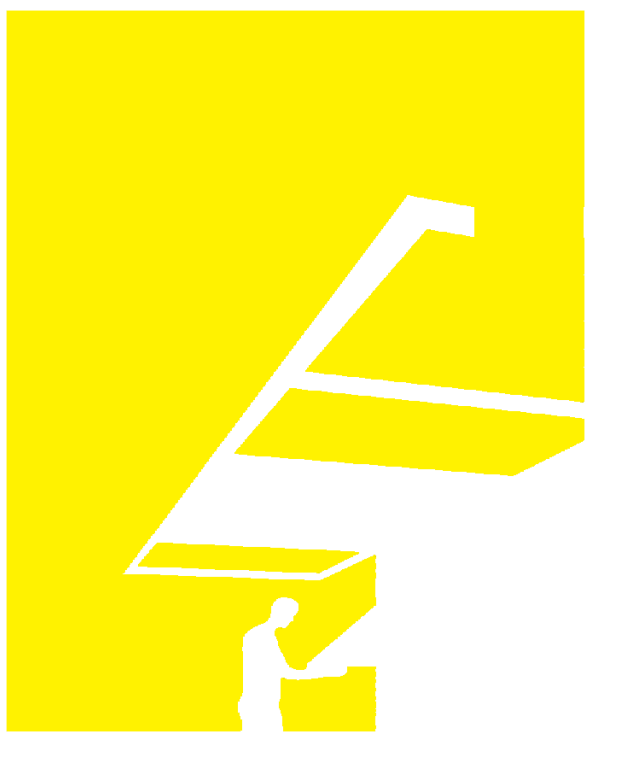
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SHEET TITLE
**DESIGN INTENT
 AND TARGET
 MARKET
 DESCRIPTION**
 SHEET NUMBER
G-011



GENERAL SHEET NOTES

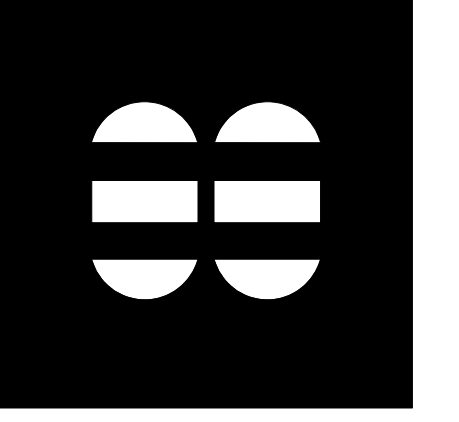
1. "FINISHED SQUARE FOOTAGE CALCULATIONS FOR THIS HOUSE WERE MADE BASED ON PLAN DIMENSIONS ONLY AND MAY VARY FROM THE FINISHED SQUARE FOOTAGE OF THE HOUSE AS BUILT."
2. FINISHED AREA MEASURED TO THE EXTERIOR FINISHED SURFACE OF OUTSIDE WALLS.
3. MECHANICAL ROOM - CONSIDERED UNFINISHED AREA NOT COUNTED



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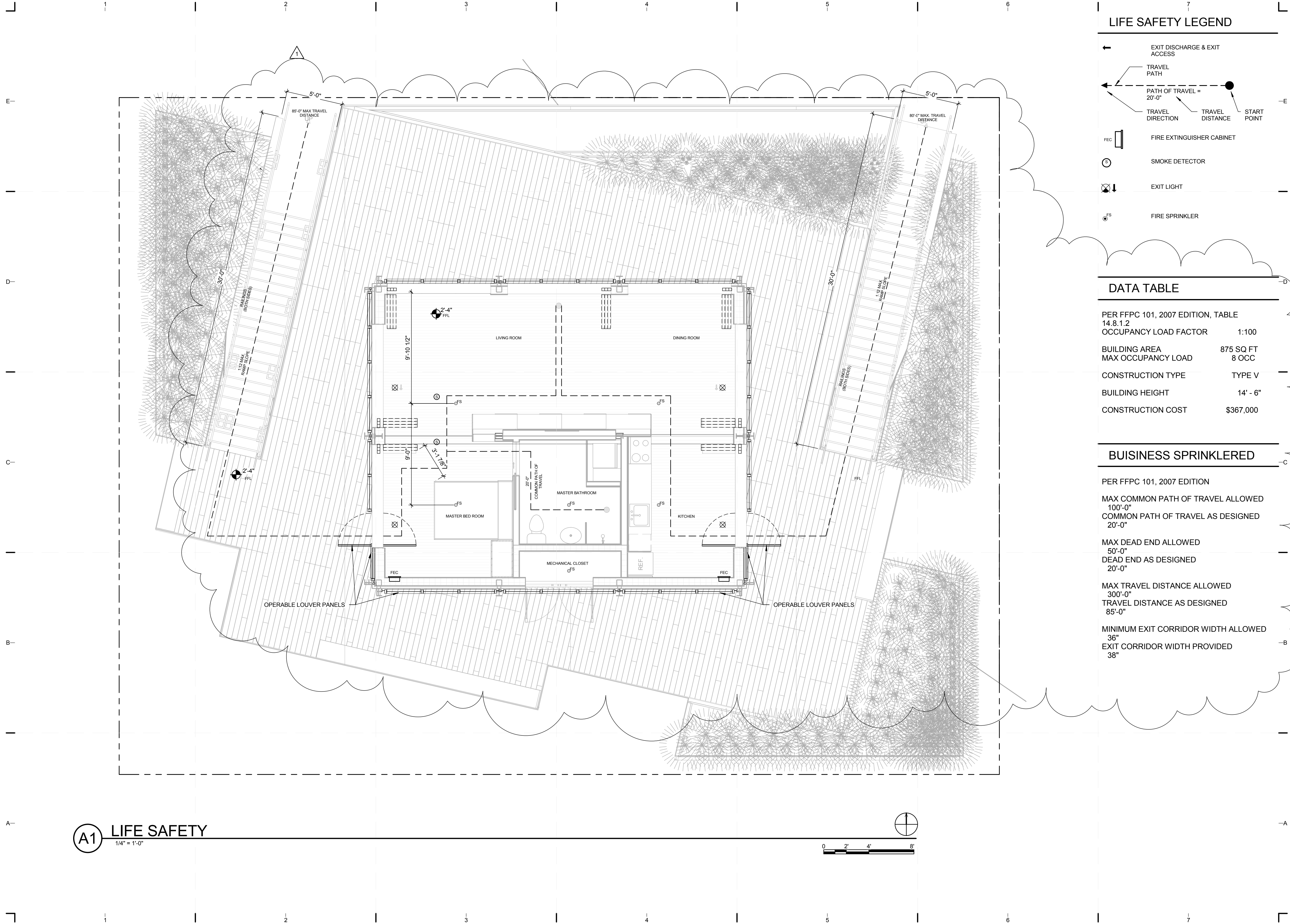
SHEET TITLE

FINISHED SQUARE FOOTAGE COMPLIANCE PLAN
 SHEET NUMBER
G-101

LEGEND

BUILDING AREA	
	GROSS BUILDING AREA
NAME	MAIN AREA FOOTPRINT
AREA	817 SQUARE FEET

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LIFE SAFETY LEGEND

- ← EXIT DISCHARGE & EXIT ACCESS
- TRAVEL PATH
- PATH OF TRAVEL = 20'-0"
- TRAVEL DIRECTION
- TRAVEL DISTANCE
- START POINT
- FEC FIRE EXTINGUISHER CABINET
- SD SMOKE DETECTOR
- ⊗ EXIT LIGHT
- FS FIRE SPRINKLER

DATA TABLE

PER FFPC 101, 2007 EDITION, TABLE 14.8.1.2

OCCUPANCY LOAD FACTOR	1:100
BUILDING AREA	875 SQ FT
MAX OCCUPANCY LOAD	8 OCC
CONSTRUCTION TYPE	TYPE V
BUILDING HEIGHT	14' - 6"
CONSTRUCTION COST	\$367,000

BUSINESS SPRINKLERED

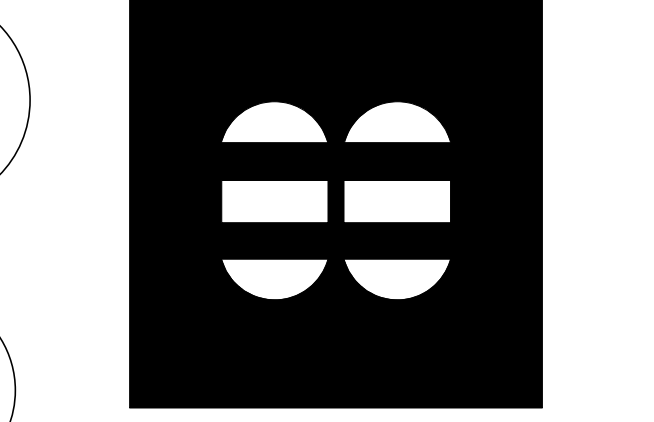
PER FFPC 101, 2007 EDITION

MAX COMMON PATH OF TRAVEL ALLOWED	100'-0"
COMMON PATH OF TRAVEL AS DESIGNED	20'-0"
MAX DEAD END ALLOWED	50'-0"
DEAD END AS DESIGNED	20'-0"
MAX TRAVEL DISTANCE ALLOWED	300'-0"
TRAVEL DISTANCE AS DESIGNED	85'-0"
MINIMUM EXIT CORRIDOR WIDTH ALLOWED	36"
EXIT CORRIDOR WIDTH PROVIDED	38"



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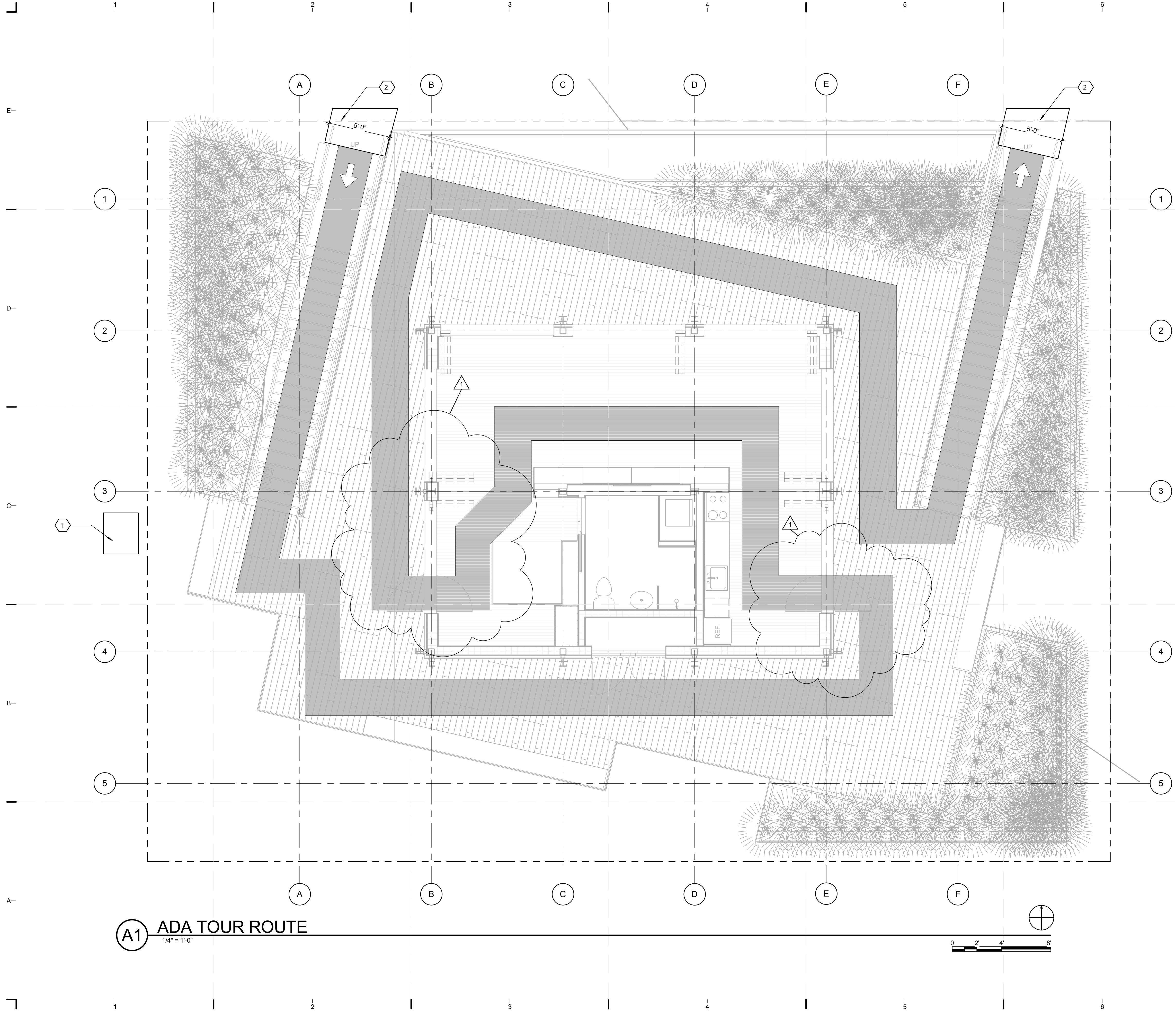
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SHEET TITLE
LIFE SAFETY PLAN

SHEET NUMBER
G-102

A1 LIFE SAFETY
 1/4" = 1'-0"

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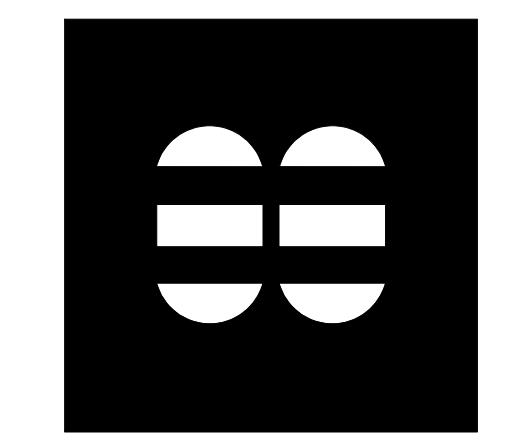
SHEET KEYNOTES

1. LOCATION OF TERMINAL BOX ON ORGANIZERS' UTILITY PANEL
2. ORGANIZER PROVIDED WALKWAY MATERIAL



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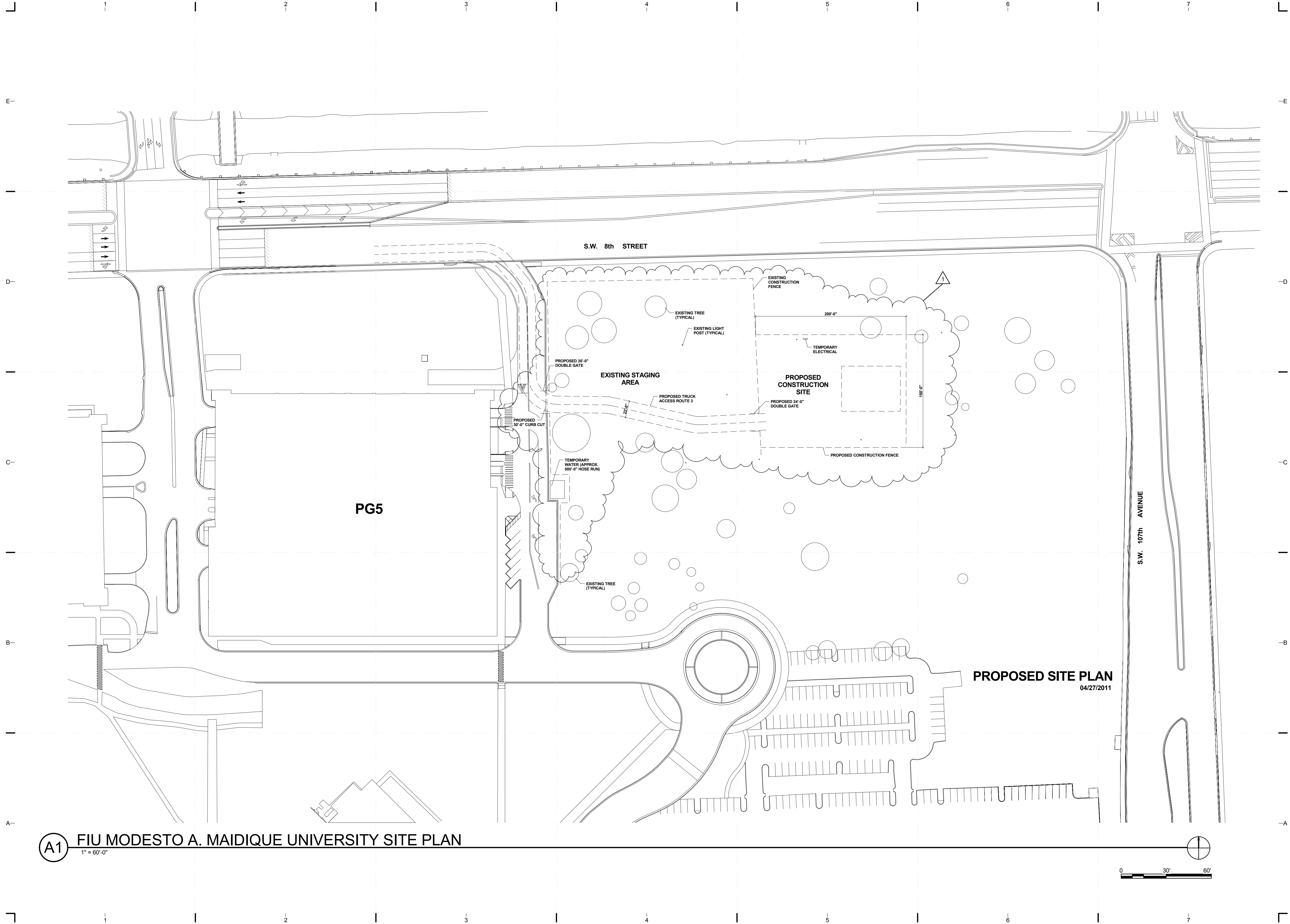
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 LOT NUMBER: 206
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SHEET TITLE
ADA TOUR ROUTE COMPLIANCE PLAN

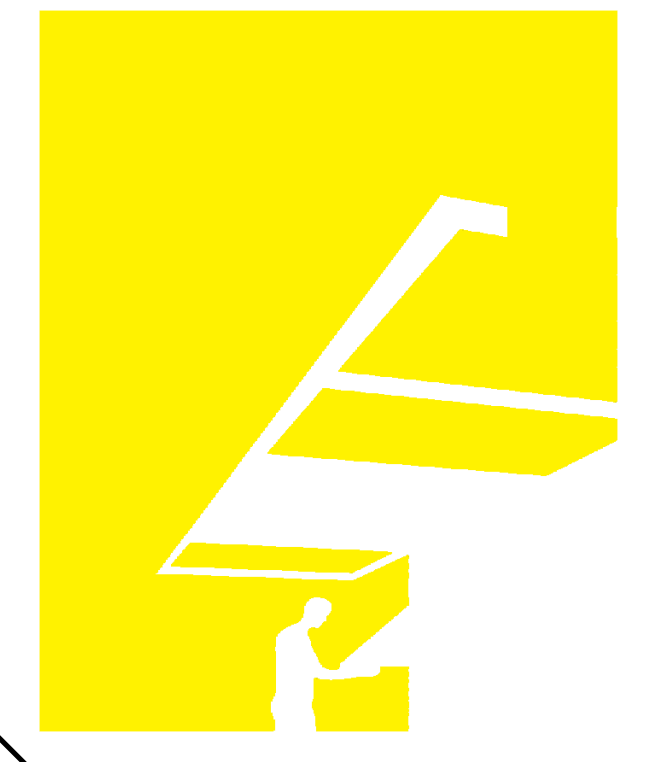
SHEET NUMBER
G-103

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

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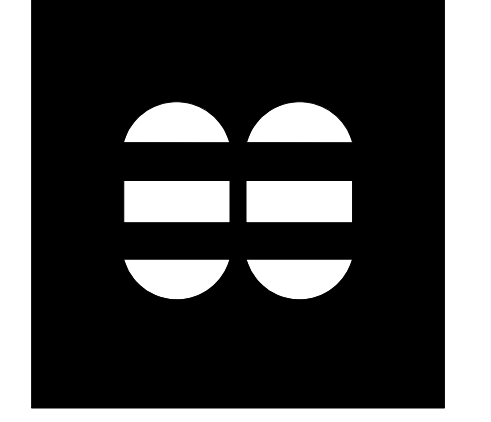


A1 FIU MODESTO A. MAIDIQUE UNIVERSITY SITE PLAN
1" = 60'-0"



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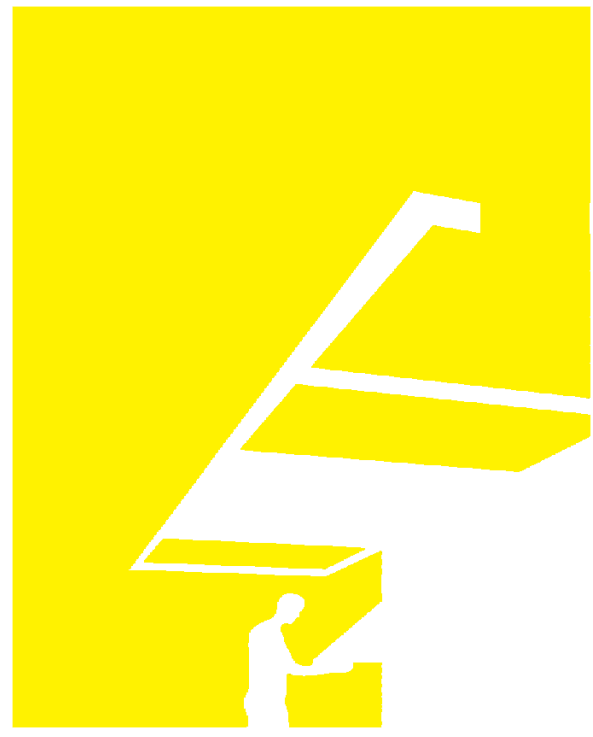
SHEET TITLE
**CONSTRUCTION
 SITE PLAN**

SHEET NUMBER
G-104

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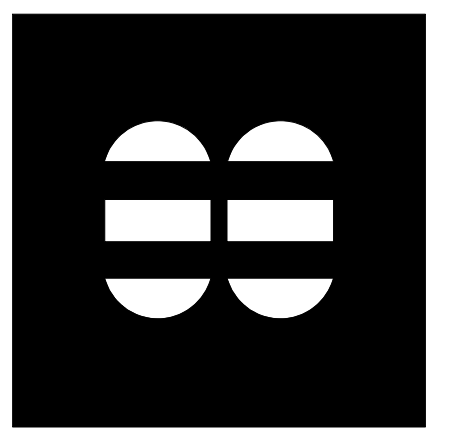
GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET L-001.
2. FOR PLANT INFORMATION SEE L-101 AND L-602



TEAM NAME: perFORM[D]ance House
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JUNE 27, 2011
 JAMES W. PIERSOL, AIA
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SHEET INFORMATION
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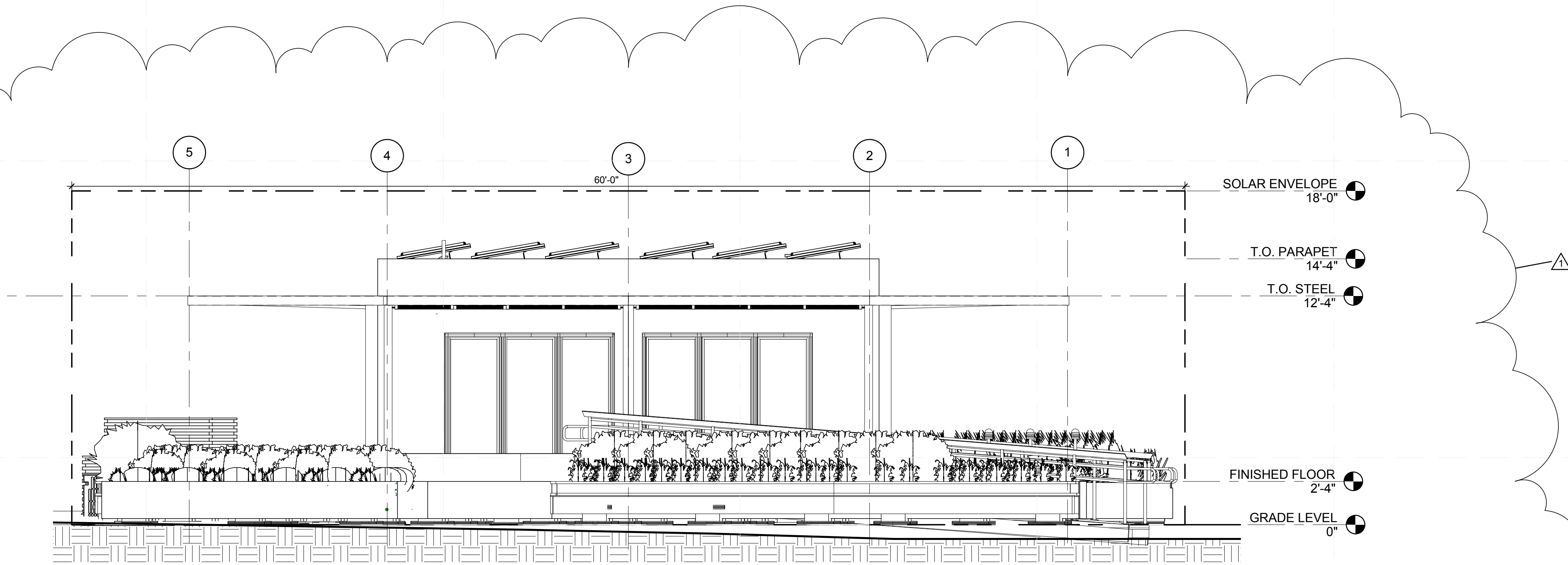
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1	2011-06-27	FIU PERMIT

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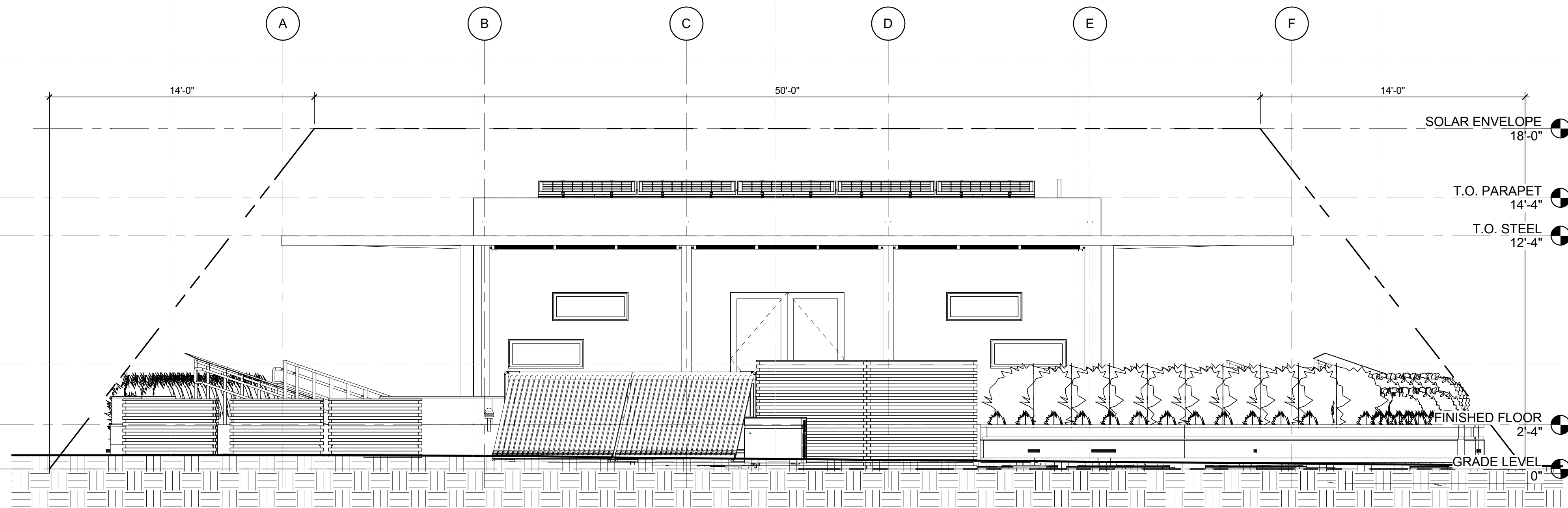
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SHEET TITLE
SOLAR ENVELOPE ELEVATIONS

SHEET NUMBER
G-201



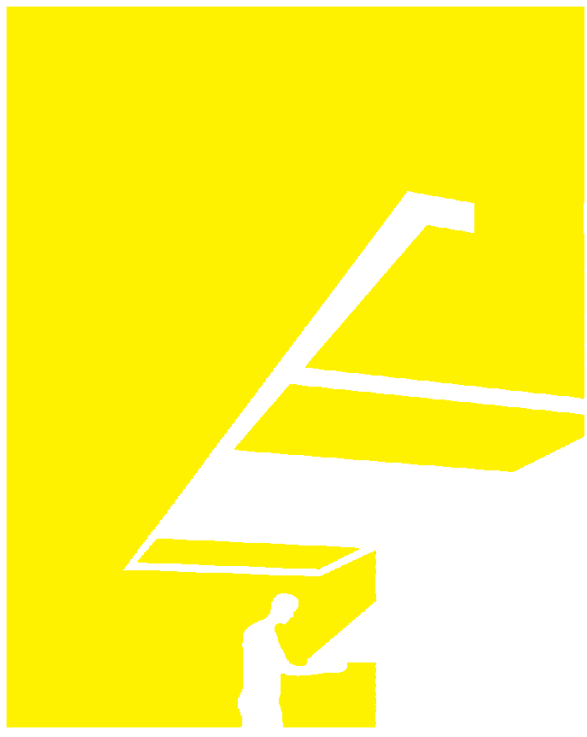
C1 LANDSCAPE ELEVATION EAST
 1/4" = 1'-0"



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

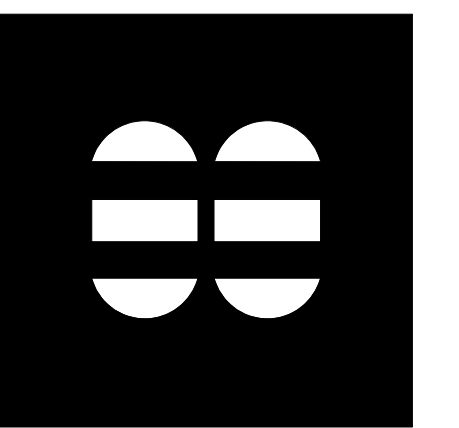
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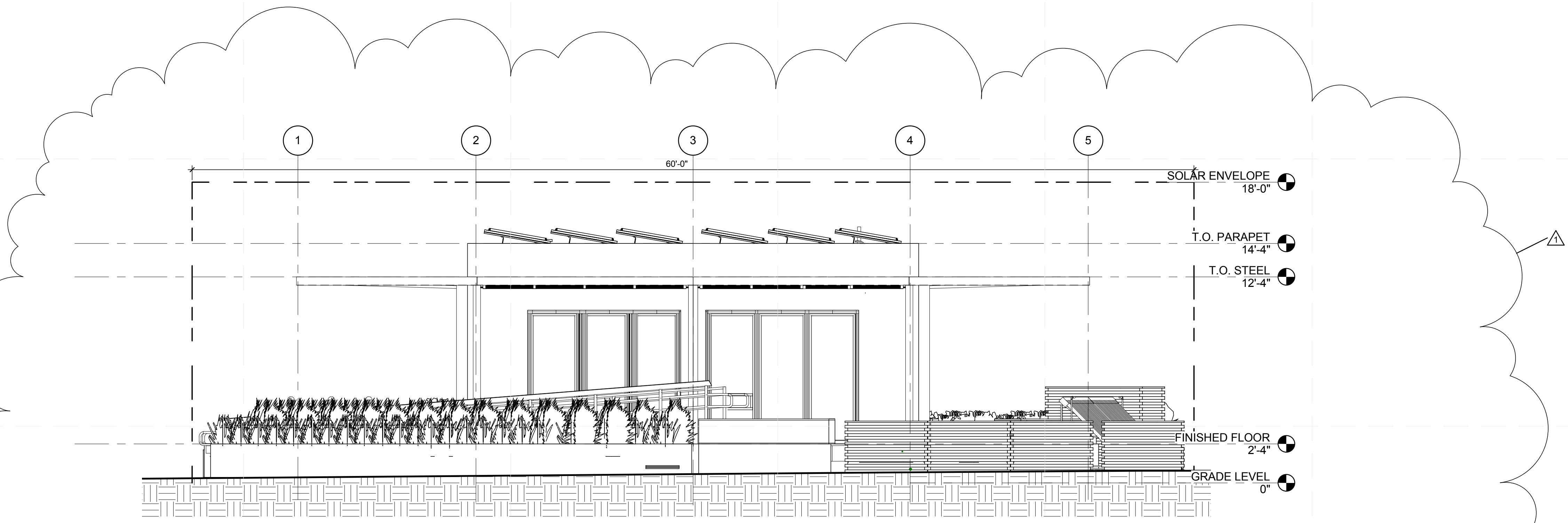
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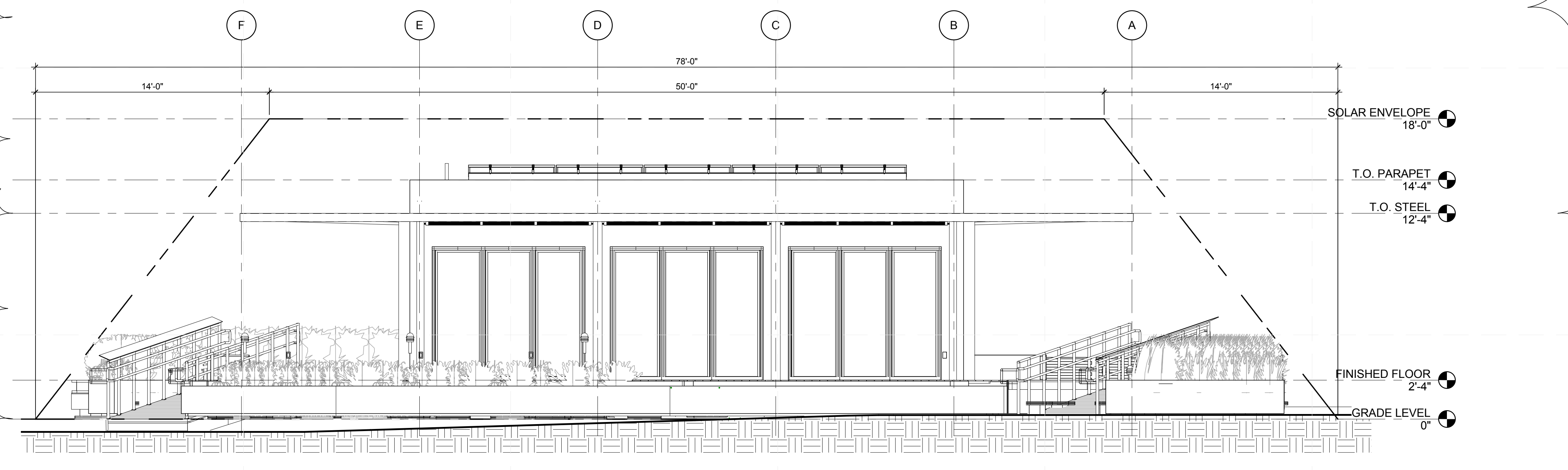
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SHEET TITLE
SOLAR ENVELOPE ELEVATIONS

SHEET NUMBER
G-202



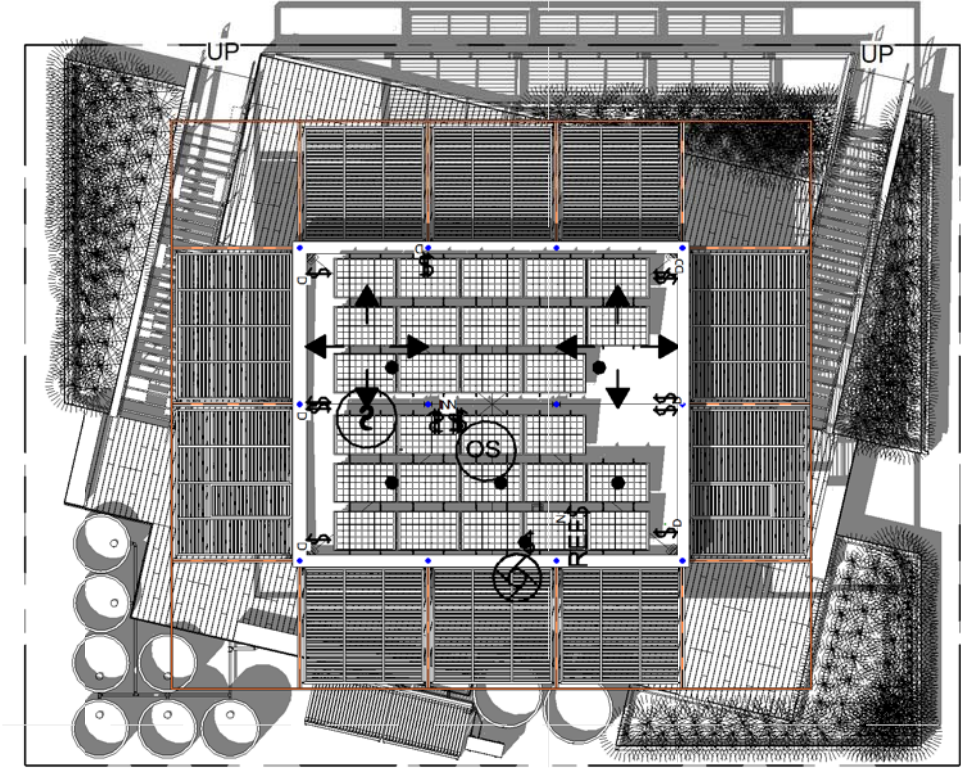
C1 LANDSCAPE ELEVATION WEST
 1/4" = 1'-0"



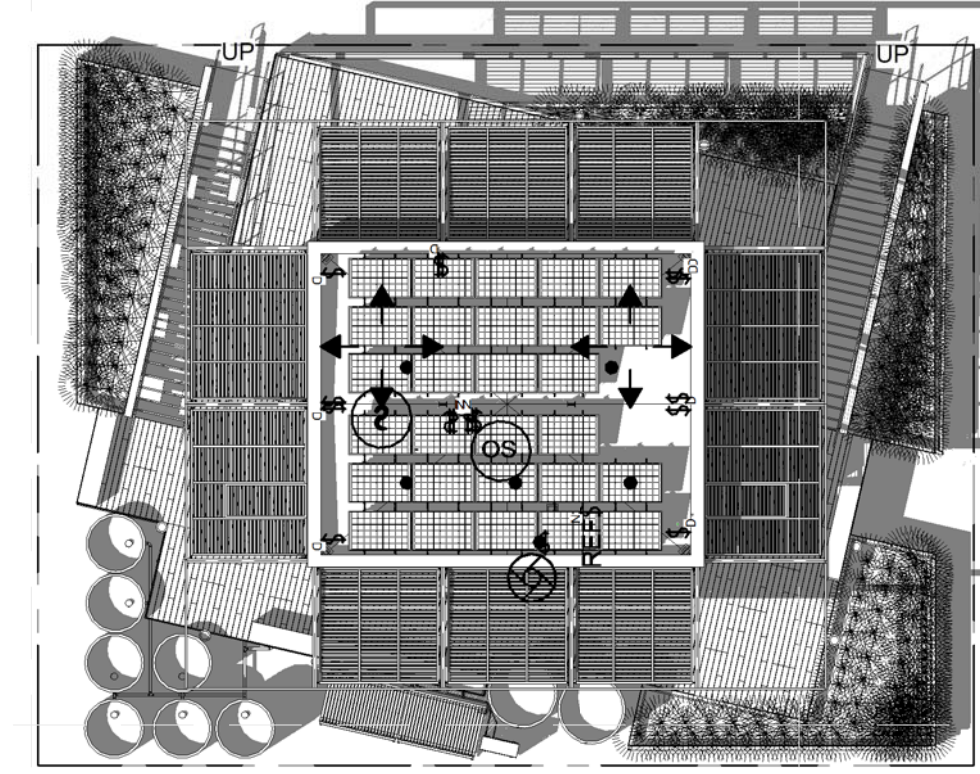
A1 LANDSCAPE ELEVATION NORTH
 1/4" = 1'-0"

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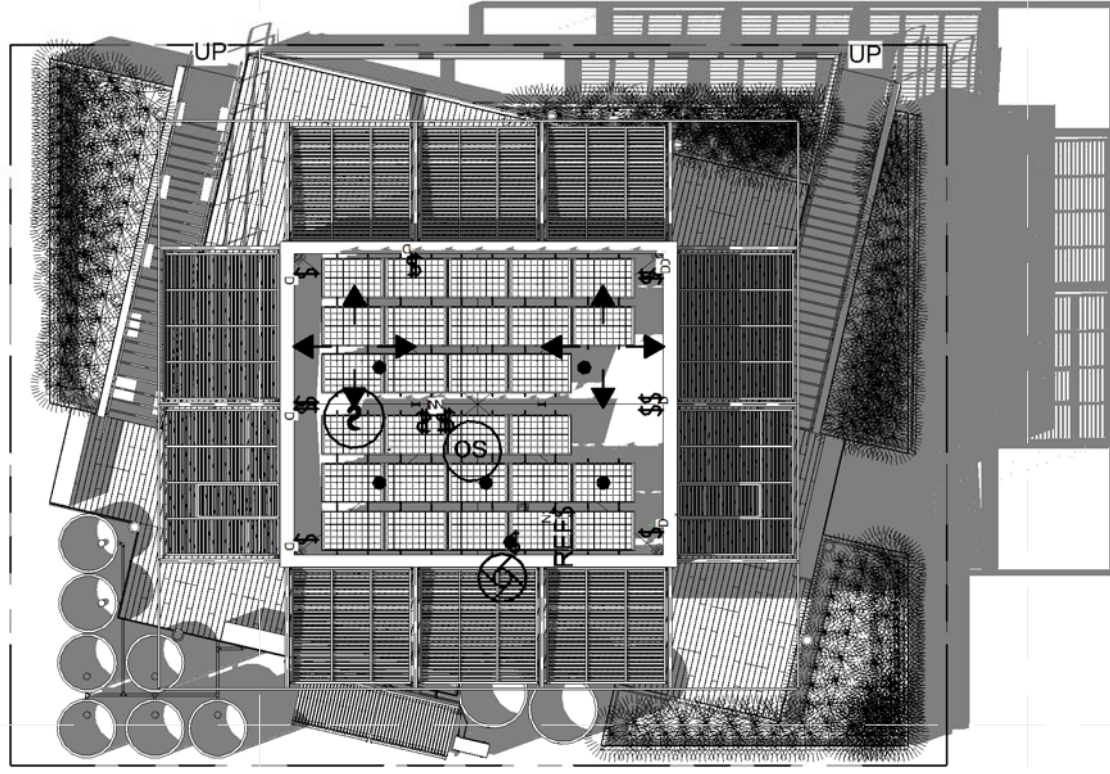
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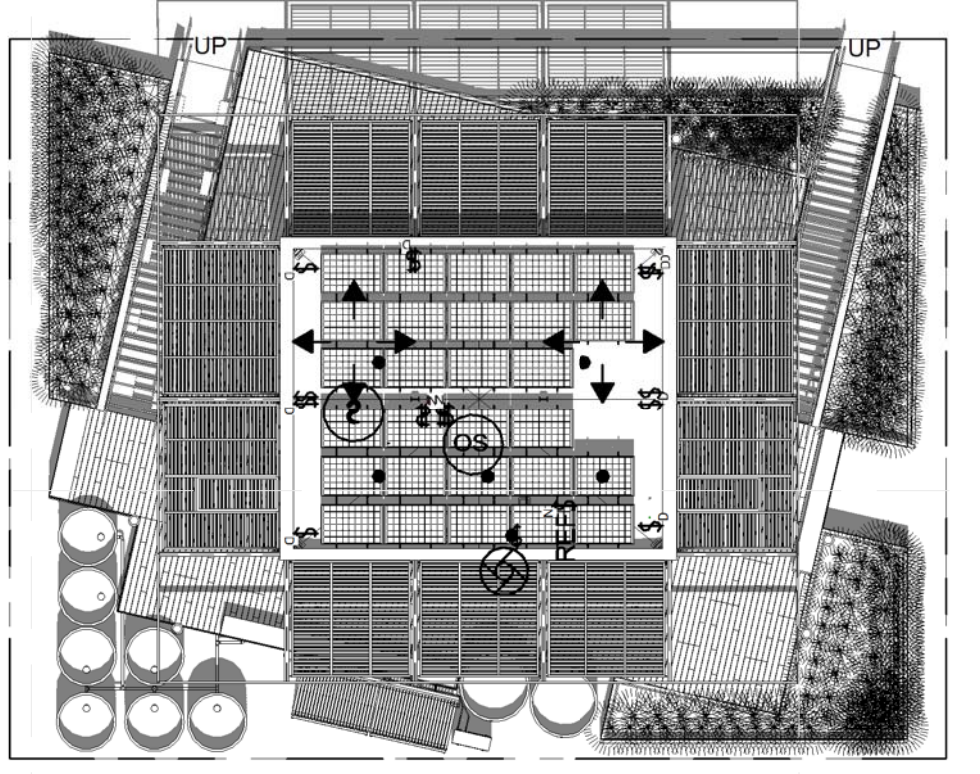
1A SHADING DIAGRAM 8AM
1/16" = 1'-0"



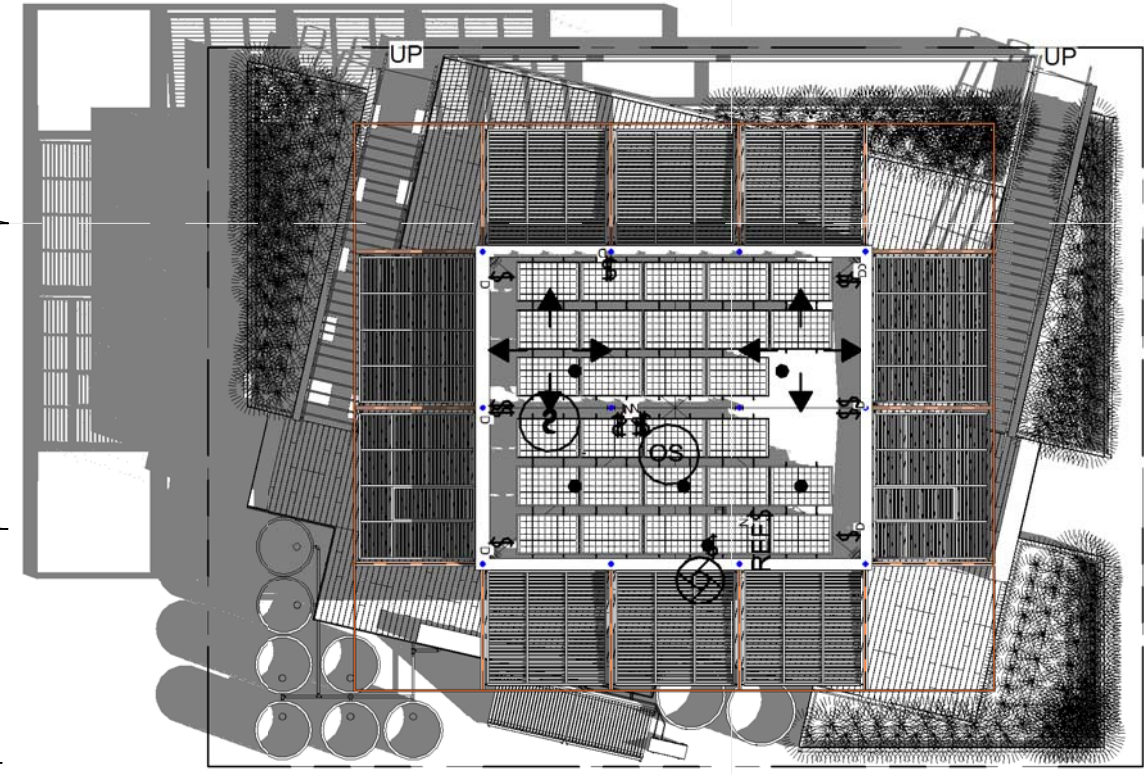
3C SHADING DIAGRAM 3PM
1/16" = 1'-0"



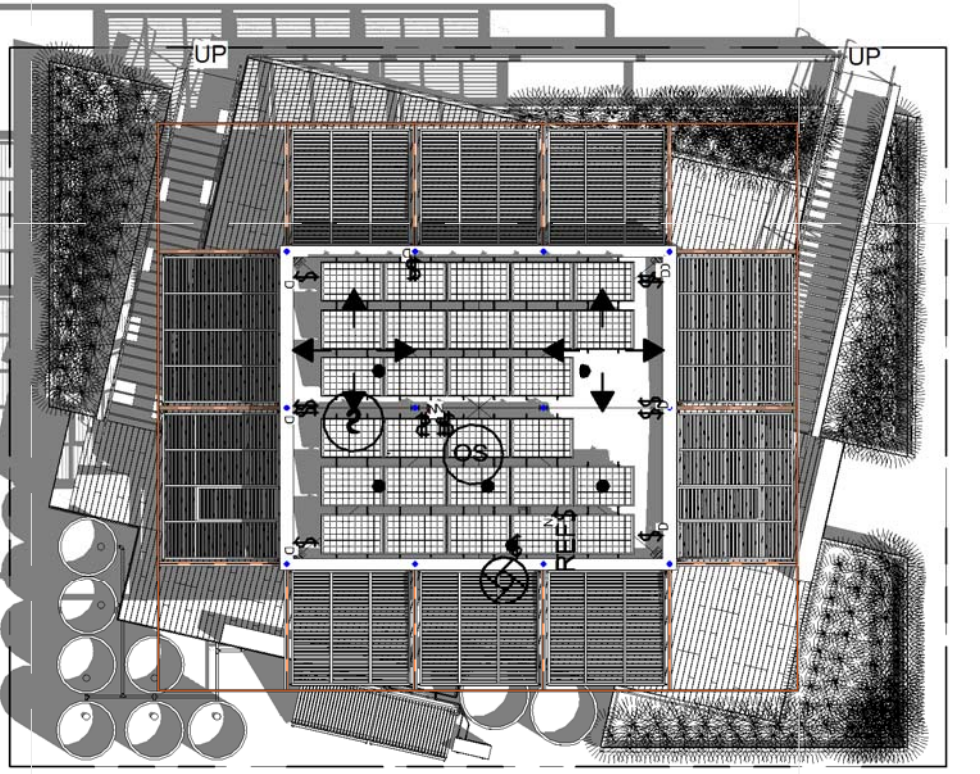
5C SHADING DIAGRAM 4PM
1/16" = 1'-0"



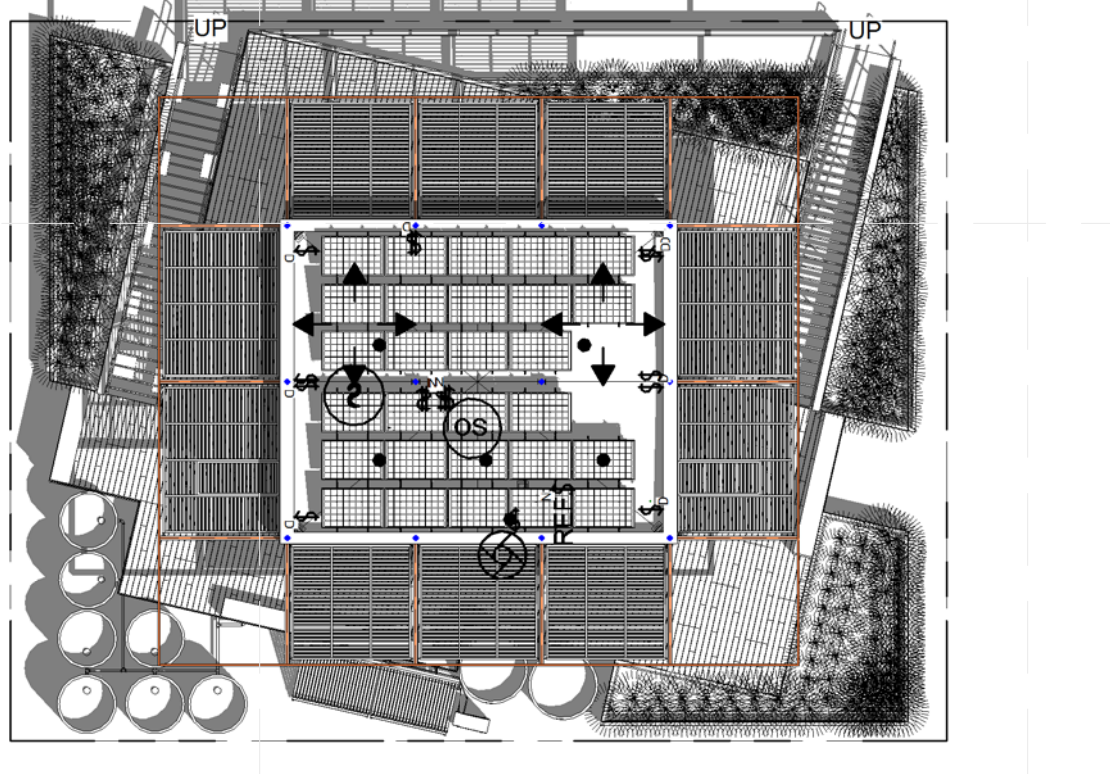
3B SHADING DIAGRAM 12PM
1/16" = 1'-0"



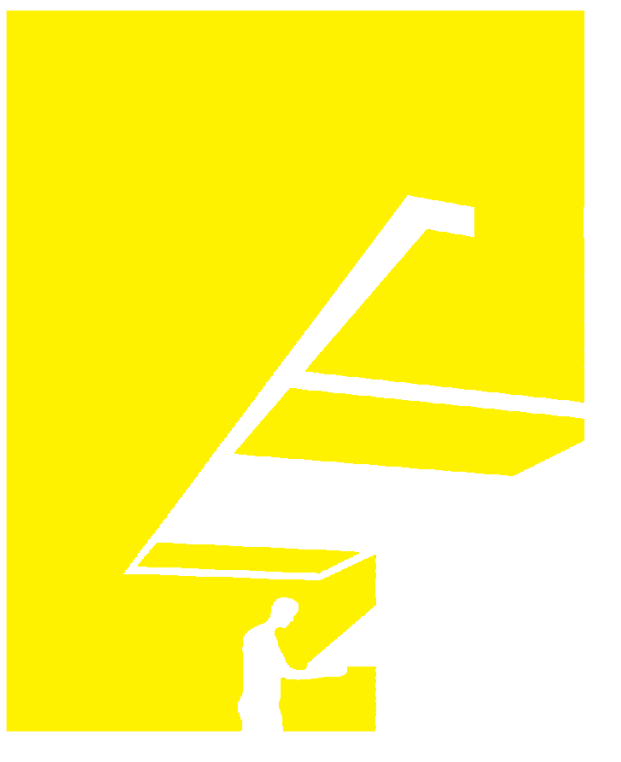
1A SHADING DIAGRAM 8AM
1/16" = 1'-0"



3A SHADING DIAGRAM 9AM
1/16" = 1'-0"

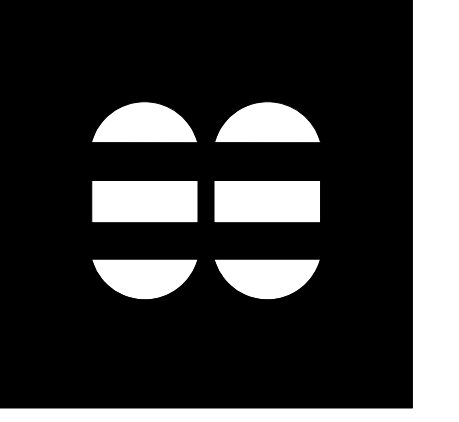


5A SHADING DIAGRAM 10AM
1/16" = 1'-0"



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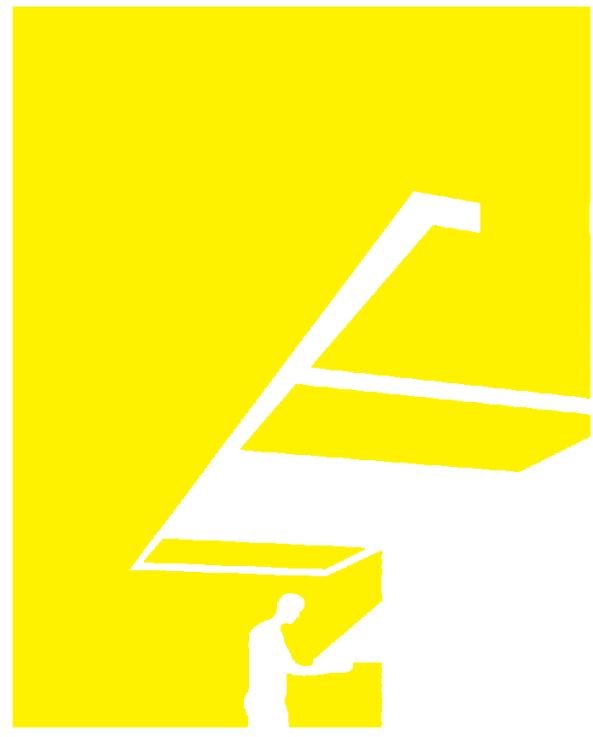
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SHADING DIAGRAMS

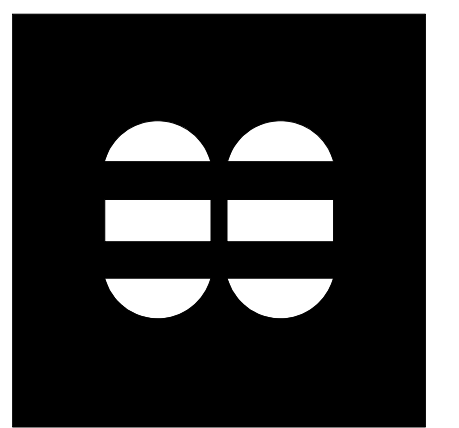
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WASHINGTON D.C. SEPTEMBER 22 - 2011



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SHEET TITLE
**GENERAL
 PROJECT
 RENDERINGS**

SHEET NUMBER
G-901

LANDSCAPE INDEX OF DRAWINGS	
SHEET NO.	SHEET NAME
L-001	LANDSCAPE NOTES AND SYMBOLS
L-101	LANDSCAPE PLAN
L-102	LANDSCAPE PLANTING PLAN
L-501	LANDSCAPE WATER DETAILS

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
B.O.	BOTTOM OF
CFM	CUBIC FEET PER MINUTE
COL	COLUMN
CONC	CONCRETE
CW	COLD WATER
DC	DIRECT CURRENT
EA	EACH
F.F.E.	FINISHED FLOOR ELEVATION
FIU	FLORIDA INTERNATIONAL UNIVERSITY
GAL	GALLON
GA	GAUGE
GYP	GYPSUM
HSS	HOLLOW STEEL SECTION
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
INSUL	INSULATION
MAX	MAXIMUM
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MIN	MINIMUM
MTL	METAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PFAS	PERSONAL FALL ARREST SYSTEM
PV	PHOTOVOLTAIC
QT	QUART
RAD	RADIUS
R.O.	ROUGH OPENING
RWL	RAIN WATER LEADER
S.F.	SQUARE FEET
SIM	SIMILAR
STL	STEEL
T.O.	TOP OF
T&G	TONGUE & GROOVE
TYP	TYPICAL

LANDSCAPE SYMBOLS LEGEND

	DETAIL
	SECTION
	ELEVATION
	COLUMN GRID
	LEVEL LINE
	REVISION
	SHEET KEYNOTE
	SPOT ELEVATION
	NORTH ARROW
	GRAPHIC SCALE

C4 DRAWING BLOCK TITLE
1/2" = 1'-0"

GENERAL LANDSCAPE NOTES

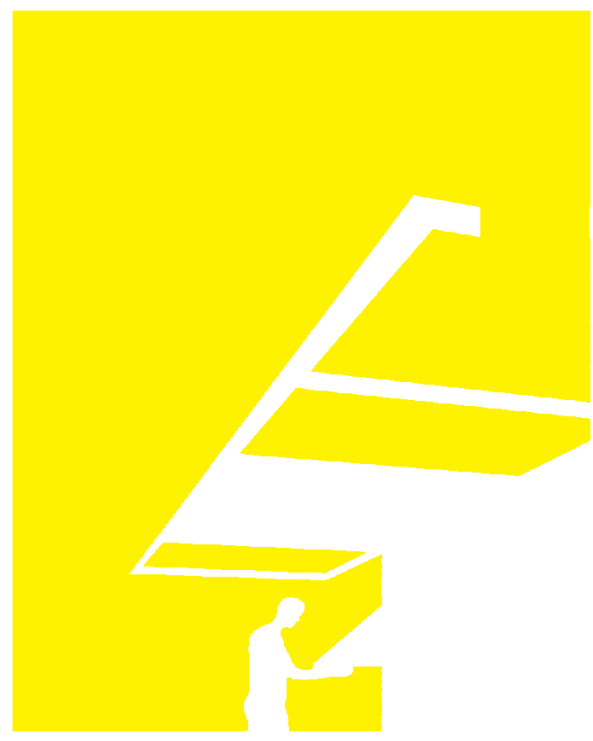
- THE WORK INCLUDED UNDER THIS CONTRACT SHALL CONSIST OF ALL LABOR, MATERIALS, TRANSPORTATION, TOOLS AND EQUIPMENT NECESSARY FOR THE CONSTRUCTION OF THE PROJECT LEAVING ALL WORK READY FOR USE.
- THE PLANS INDICATE THE GENERAL EXTENT OF NEW CONSTRUCTION NECESSARY FOR THE WORK, BUT ARE NOT INTENDED TO BE ALL INCLUSIVE. ALL NEW WORK NECESSARY TO ALLOW FOR A FINISHED JOB IN ACCORDANCE WITH THE INTENTION OF THE DRAWINGS IS INCLUDED REGARDLESS OF WHETHER SHOWN ON THE DRAWINGS OR MENTIONED IN THE NOTES.
- ANY ERRORS, OMISSIONS OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. SHOULD THE CONTRACTOR PROCEED WITH THE WORK PRIOR TO RECEIVING CLARIFICATION, HE DOES SO AT HIS OWN RISK.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES AND SHALL PROVIDE ALL SUBCONTRACTORS WITH CURRENT CONSTRUCTION DOCUMENTS AS REQUIRED.
- THE CONTRACTOR SHALL VERIFY AND ASSUME RESPONSIBILITY FOR ALL DIMENSIONS AND SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT THE EXISTING PREMISES AND TAKE NOTE OF EXISTING CONDITIONS PRIOR TO SUBMITTING PRICES. NO CLAIM SHALL BE ALLOWED FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE REASONABLY BEEN INFERRED FROM SUCH AN EXAMINATION.
- COORDINATE ALL WORK WITH EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO IRRIGATION PIPES, ELECTRICAL CONDUIT, WATER LINES, DRAINAGE LINES, GAS LINES, ETC.
- PROTECT ALL SITE CONDITIONS TO REMAIN INCLUDING TREES, PAVING, LIGHT STANDARDS, ETC.
- DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.
- INSTALL ALL EQUIPMENT AND MATERIALS PER MANUFACTURERS' RECOMMENDATIONS.
- THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A REGULAR BASIS OF ALL SUBCONTRACTORS AND TRADES AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT ANY DIRT, DEBRIS OR DUST FROM AFFECTING IN ANY WAY, FINISHED AREAS OR OUTSIDE JOB SITE.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY WITH OWNER AND ARCHITECT ANY AND ALL ITEMS TO BE SAVED FOR REUSE AND SHALL REMOVE AND STORE THEM IN A PROTECTED AREA ON THE JOBSITE, OR AS DIRECTED BY OWNER AND ARCHITECT.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES AND INSTALL ALL NECESSARY SLEEVES, STUB-OUTS, ETC. AS REQUIRED.
- CONTRACTOR SHALL PERFORM ALL PROTECTION, DEMOLITION, REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THE DRAWINGS AND DESCRIBED ON THE SPECIFICATIONS.
- WHERE 'VERIFY' OR 'FIELD VERIFY' IS USED IN CONJUNCTION WITH A DIMENSION, THE CONTRACTOR SHALL VERIFY THE MEASUREMENT PRIOR TO COMMENCING THE WORK. IMMEDIATELY BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AND INSURE THAT NO PONDING OF WATER OCCURS. ALL FINISH GRADES SHALL PROVIDE FOR NATURAL RUNOFF OF WATER WITHOUT LOW SPOTS OR POCKETS.

PROJECT NOTES

- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PERFORM WORK IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND APPLICABLE REQUIREMENTS OF ALL OTHER REGULATORY AGENCIES, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS (FBC)
 - 2009 INTERNATIONAL RESIDENTIAL CODE (IRC)
 - SOLAR DECATHLON RULES, UPDATED OCTOBER 22, 2010
 - SOLAR DECATHLON BUILDING CODE, UPDATED OCTOBER 22, 2010
- UNLESS OTHERWISE SPECIFIED, SPECIFIC REFERENCES TO CODES, REGULATIONS, STANDARDS, MANUFACTURERS' INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES WHEN USED TO SPECIFY REQUIREMENTS FOR MATERIALS OF DESIGN ELEMENTS SHALL MEAN THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BIDS, OR THE DATE OF THE CHANGE OF ORDER OR FIELD ORDERS, AS APPLICABLE.
- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE SOLAR DECATHLON RULES.
- SHOULD ANY CONDITIONS DEVELOP WHICH ARE NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FURNISHED WORK WILL NOT COMPLY WITH SAID SOLAR DECATHLON RULES, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED AND APPROVED BEFORE PROCEEDING WITH THE WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- ALL DIMENSIONS SHOWN TO ARCHITECTURAL GRID LINE, FACE OF BUILDING, FACE OF CURB, FACE OF WALL AND EDGE OF WALKWAY, UNLESS OTHERWISE NOTED.

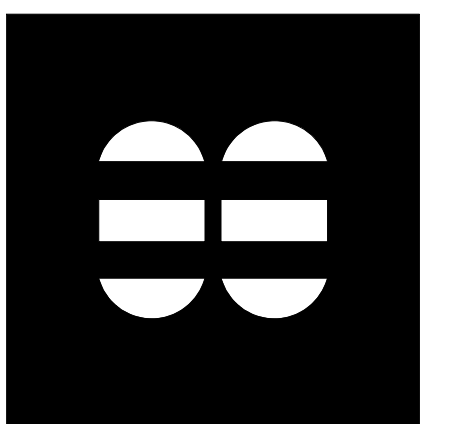
LAYOUT NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DISTANCES AND GRADES IN THE FIELD AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR A DECISION PRIOR TO COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL APPLICABLE PERMITS AND FOR PERFORMING ALL WORK PER APPLICABLE CODES.
- CONTRACTOR SHALL SUBMIT LEGIBLE SHOP DRAWINGS FOR ALL ITEMS NOT SPECIFICALLY DETAILED. REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES ON SITE BEFORE COMMENCING WITH ANY WORK. LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. ANY DISRUPTION OR DAMAGE TO UTILITIES CAUSED BY WORK UNDER THIS CONTRACT SHALL BE CORRECTED BY THIS CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THESE DRAWINGS AND/OR DESCRIBED IN THE SPECIFICATIONS. REMOVAL OF ANY EXISTING FACILITIES SHALL INCLUDE ALL SUBBASE AND BASE ROCK. IN THE CASE OF PLANT MATERIAL, THE CONTRACTOR SHALL COMPLETELY REMOVE THE MAIN TRUNK AND SIGNIFICANT ROOTS TO 18" DEPTH FROM GRADE. THE LANDSCAPE ARCHITECT SHALL REVIEW THE SITE WITH THE CONTRACTOR PRIOR TO COMMENCING CLEARING SO AS TO INSTRUCT THE CONTRACTOR OF ADDITIONAL PLANT MATERIAL AND EXISTING CONDITIONS TO BE PROTECTED/PRESERVED.
- THE CONTRACTOR SHALL USE STAKES, STRINGS, LIME, CHALK, PAINT OR OTHER APPROPRIATE MATERIALS TO LAYOUT ALL HARDSCAPES AND SITE FURNISHINGS AS SHOWN ON THE DRAWINGS. THESE AREAS SHALL BE CHECKED BY THE LANDSCAPE ARCHITECT BEFORE CONSTRUCTION IS STARTED. CHANGES, DELETIONS AND ADDITIONS SHALL BE DETERMINED DURING THIS LAYOUT PERIOD AND AT INSPECTION.
- ALL EXISTING TREES SHOWN SHALL BE PROTECTED UNLESS OTHERWISE NOTED ON THE DRAWINGS. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLANTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- WHEN WORKING UNDER THE DRIP LINE OF EXISTING TREES, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY OF TREES AND TREE ROOTS. STOCKPILING OF EARTH OR BUILDING MATERIALS WITHIN THE DRIP LINE OF TREES IS PROHIBITED. WHERE A DITCHING MACHINE IS RUN CLOSE TO TREES HAVING ROOTS SMALLER THAN TWO INCHES (2") IN DIAMETER, THE WALL OF THE TRENCH ADJACENT TO THE TREES SHALL BE HAND TRIMMED, MAKING CLEAR CUTS THROUGH THE ROOTS. ALL CUTS THROUGH ROOTS ONE-HALF INCH (1/2") AND LARGER IN DIAMETER SHALL BE PAINTED WITH 'TREESAL' OR APPROVED EQUAL. ROOTS OF TWO INCHES (2") OR LARGER DIAMETER, WHEN ENCOUNTERED, SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S REPRESENTATIVE, WHO WILL DECIDE WHETHER THE CONTRACTOR SHALL CUT THE ROOT IN ACCORDANCE WITH THE ABOVE INSTRUCTIONS OR SHALL HAND TUNNEL UNDER AND PROTECT ROOT WITH A WRAPPING OF DAMPNED BURLAP. IN THE LATTER EVENT, THE CONTRACTOR SHALL BE COMPENSATED FOR THE ADDITIONAL COST. TRENCHED ADJACENT TO TREES SHALL BE FILLED WITHIN 24 HOURS AFTER EXCAVATION; IF THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE SHALL BE KEPT SHADED WITH DAMPNED BURLAP OR CANVAS. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS AND UNSUITABLE MATERIAL GENERATED BY HIS OPERATIONS.



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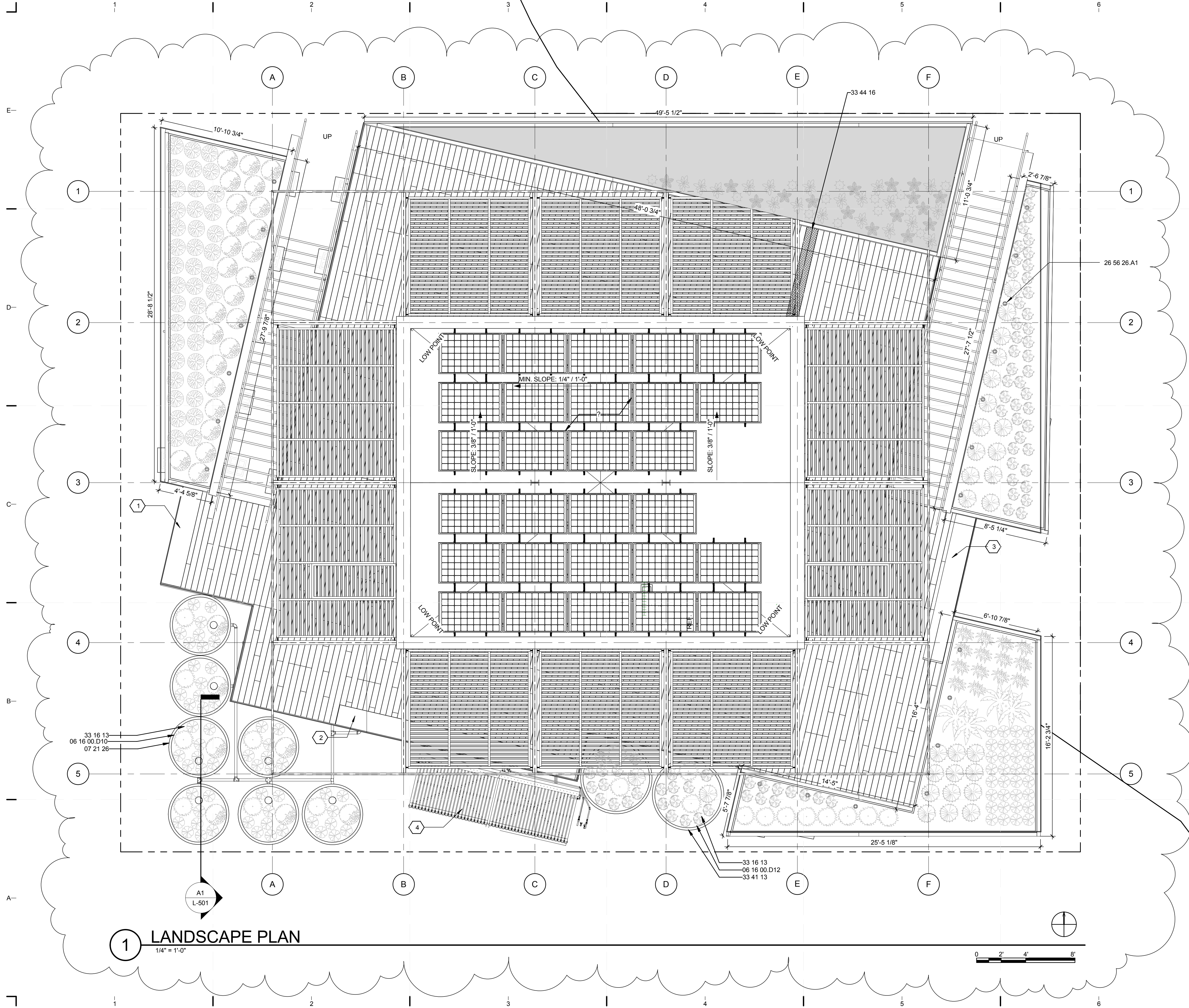


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SHEET TITLE
LANDSCAPE NOTES AND SYMBOLS

SHEET NUMBER
L-001



GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET L-001.
2. WATER DELIVERY
 - 2A. TO WS1 ON SUNDAY, DAY 1, AT 8:00 AM REQUEST 1,000 GALLONS. TANK OPENING EXCEEDS 4" MINIMUM REQUIREMENT WITH 12" CLEARANCE.
 - 2B. TO LS1 ON SUNDAY, DAY 1, AT 8:00 AM REQUEST 500 GALLONS INTO OPEN REFLECTING POOL. IF REFLECTING POOL NOT COMPLETED, DELIVER 500 GALLONS TO WW1 FOR HOLDING. UPON COMPLETION OF REFLECTING POOL, WATER WILL BE PUMPED FROM WW1 TO LS1.
3. WATER REMOVAL
 - 3A. FROM WW1 ON MONDAY, DAY 20, REMOVE 1,000 GALLONS. TANK OPENING EXCEEDS 4" MINIMUM REQUIREMENT.
 - 3B. FROM LS1 ON MONDAY, DAY 20, REMOVE 500 GALLONS FROM OPEN REFLECTING POOL.
4. PER RULE 9-1C, ALL WATER TANKS ARE FULLY SHADED. EACH CYLINDRICAL COVER CONTAINS A WATER TANK WHICH IS SHADED BY THE CONTAINER.
5. FOR MORE INFORMATION ON WATER TANKS SEE SHEET L-501
6. SEE SHEET L-102 FOR LANDSCAPE PLANTING PLAN
7. FOR BENCH DETAILS SEE SHEET S-526.

REFERENCE KEYNOTES

- 06 16 00.D12 1/2" EXTERIOR GRADE PLYWOOD
- 33 16 13 ABOVEGROUND WATER STORAGE TANK
- 33 41 13 60" DIA STORM UTILITY DRAINAGE
- 33 44 16 UTILITY TRENCH DRAIN
- 26 56 26 A.1 SOLAR POWERED POST LIGHTING

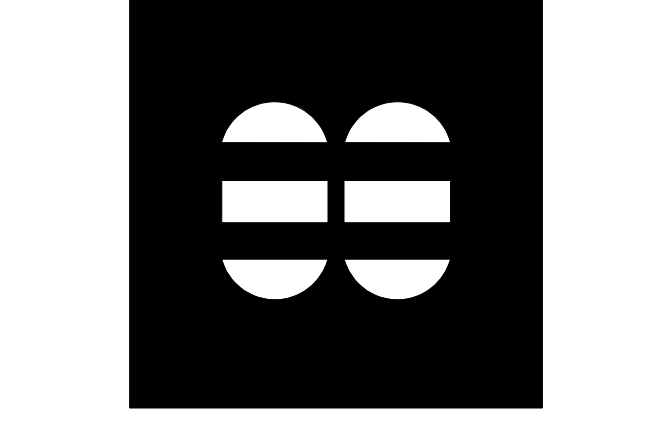
SHEET KEYNOTES

1. BENCH TYPE 'B' WITH A LENGTH OF 8'-0"
2. BENCH TYPE 'A' WITH A LENGTH OF 20'-0"
3. BENCH TYPE 'B' WITH A LENGTH OF 12'-0"
4. SOLAR HOT WATER TUBES



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JUNE 27, 2011
 JAMES W. PIERSOL, AIA
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SHEET INFORMATION
 U.S. DEPARTMENT OF ENERGY
 SOLAR DECATHLON 2011
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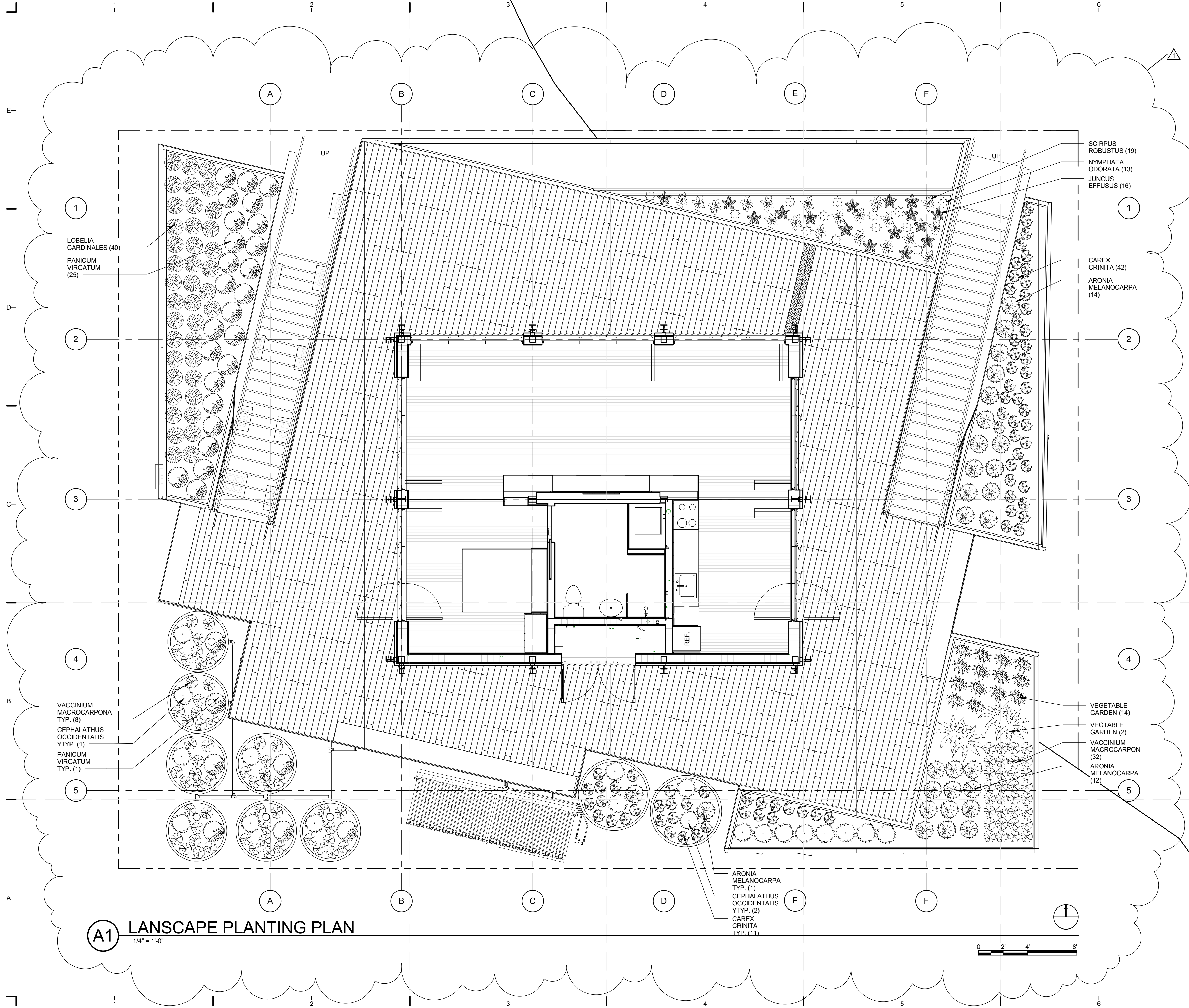
MARK	DATE	DESCRIPTION
1	2011-06-27	FIU PERMIT

ORIGINAL PUBLISH DATE: 2011-03-22
 SHEET INFORMATION
 LOT NUMBER: 206
 DRAWN BY: D. SRITALAPAT
 CHECKED BY: CHECKER
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LANDSCAPE PLAN

SHEET NUMBER
L-101

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GENERAL SHEET NOTES

1. REFER TO SHEET L-001 FOR GENERAL LANDSCAPE NOTES.
2. ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION AND WILL BE REJECTED IF NOT IN ACCORDANCE WITH INDUSTRY STANDARDS. PLANTS SHALL BE INSPECTED FOR SIZE, VARIETY, CONDITION, DEFECTS, INJURY AND INFESTATION. PLANTS WILL NOT BE PRUNED PRIOR TO INSPECTION.
3. THE PLANT COUNT IS FOR THE CONVENIENCE OF THE LANDSCAPE CONTRACTOR. IN CASE OF A DISCREPANCY WITH THE PLAN, THE PLANT COUNT WILL GOVERN.
4. ALL WORK SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH THIS TYPE OF WORK AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN.
5. ALL PLANTS ARE TO BE DELIVERED TO SITE. PRIOR TO PLANTING FINAL LOCATION TO BE DETERMINED IN THE FIELD BY LANDSCAPE ARCHITECT.
6. SECURE ALL VINES LOOSELY WITH PLASTIC PLANT TIES. DO NOT STAPLE VINES DIRECTLY TO FENCES OR WALLS.
7. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE DELETIONS, SUBSTITUTIONS AND ADDITIONAL TO THE PLANTING AS WORK IS IN PROGRESS. SUCH CASES ARE TO BE ACCOMPANIED BY EQUITABLE ADJUSTMENTS OF THE CONTRACT PRICE AS NECESSARY.
8. THE LANDSCAPE CONTRACTOR SHALL MAKE NO CHANGES TO THE PLANTING PLAN WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT.
9. THE CONTRACTOR SHALL GUARANTEE ALL NEW PLANTINGS FOR SIX (6) MONTHS. THE GUARANTEE PERIOD BEGINS AFTER THE FINAL INSPECTION AND THE PLANTING HAS BEEN APPROVED.
10. ANY PLANT MATERIALS THAT DIE OR ARE DAMAGED SHALL BE REPLACED AS SOON AS POSSIBLE.
11. IT IS UNLAWFUL FOR ANY PERSON TO DAMAGE OR HARM A HERITAGE TREE BY ANY MEANS WHATSOEVER, INCLUDING, WITHOUT LIMITATION, VEHICLES, MACHINERY OR BUILDING SUPPLIES OR MATERIALS (INCLUDING FLUIDS) DURING CONSTRUCTION OF STRUCTURES ON THE PARCEL.

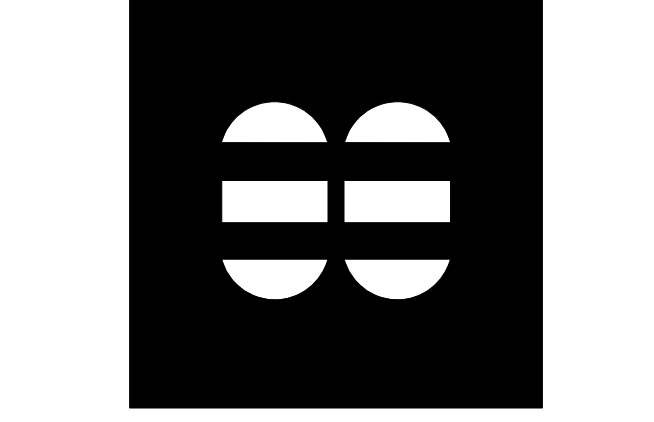
LEGEND

BOTANICAL NAME	COMMON NAME	SIZE	COUNT
VACCINIUM MACROCARPON	AMERICAN CRANBERRY	1 QT.	88
SCIRPUS ROBUSTUS	BULLRUSH	1 QT.	19
PANICUM VIRGATUM	SWITCHGRASS	1 GAL.	33
NYMPHAEA ODORATA	LOTUS	1/2 QT.	13
CAREX CRINITA	FRINGED SEDGE	1 QT.	74
CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	1 QT./1 GAL.	19
LOBELIA CARDINALIS	CARDINAL FLOWER	1 QT.	40
ARONIA MELANOCARPA	BLACK CHOKEBERRY	1 GAL.	28
JUNCUS EFFUSUS	SEDGE	1 QT.	13
VEGETABLE GARDEN	VARIOUS	1 QT.	??



TEAM NAME: perFORM[D]ance House
 ADDRESS: FLORIDA INTERNATIONAL UNIVERSITY
 MODESTO A. MADRIQUE CAMPUS
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LANDSCAPE PLANTING PLAN

SHEET NUMBER
L-102

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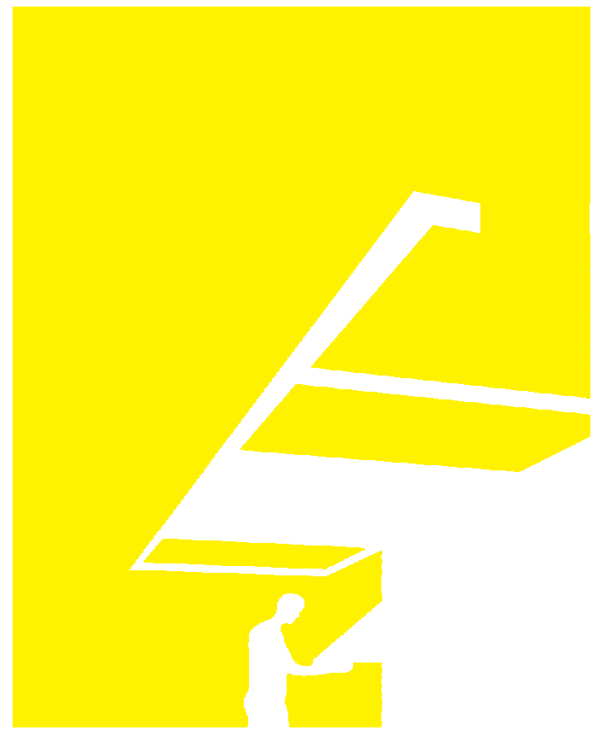
A1 LANDSCAPE PLANTING PLAN
 1/4" = 1'-0"

GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR STRUCTURAL ELEVATIONS REFER TO SHEETS S-201 AND S-202.
3. FOR STRUCTURAL SECTIONS REFER TO SHEET S-301.

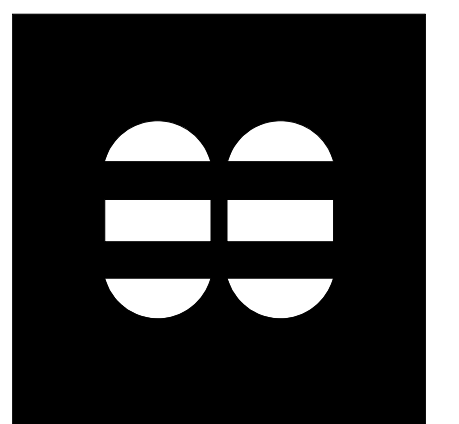
REFERENCE KEYNOTES

- 06 16 00.D12 3/4" EXTERIOR GRADE PLYWOOD
- 33 41 13 HDPE #12 PUBLIC STORM UTILITY DRAINAGE PIPING, PAINTED.
- 33 16 13 ABOVEGROUND WATER UTILITY STORAGE TANKS TREATED 2X4
- 06 11 00.D2 5/8" EXTERIOR GRADE PLYWOOD
- 06 16 00.D10 GARDNER BNDER 48 IN. NATURAL NYLON HEAVY-DUTY CABLE TIES



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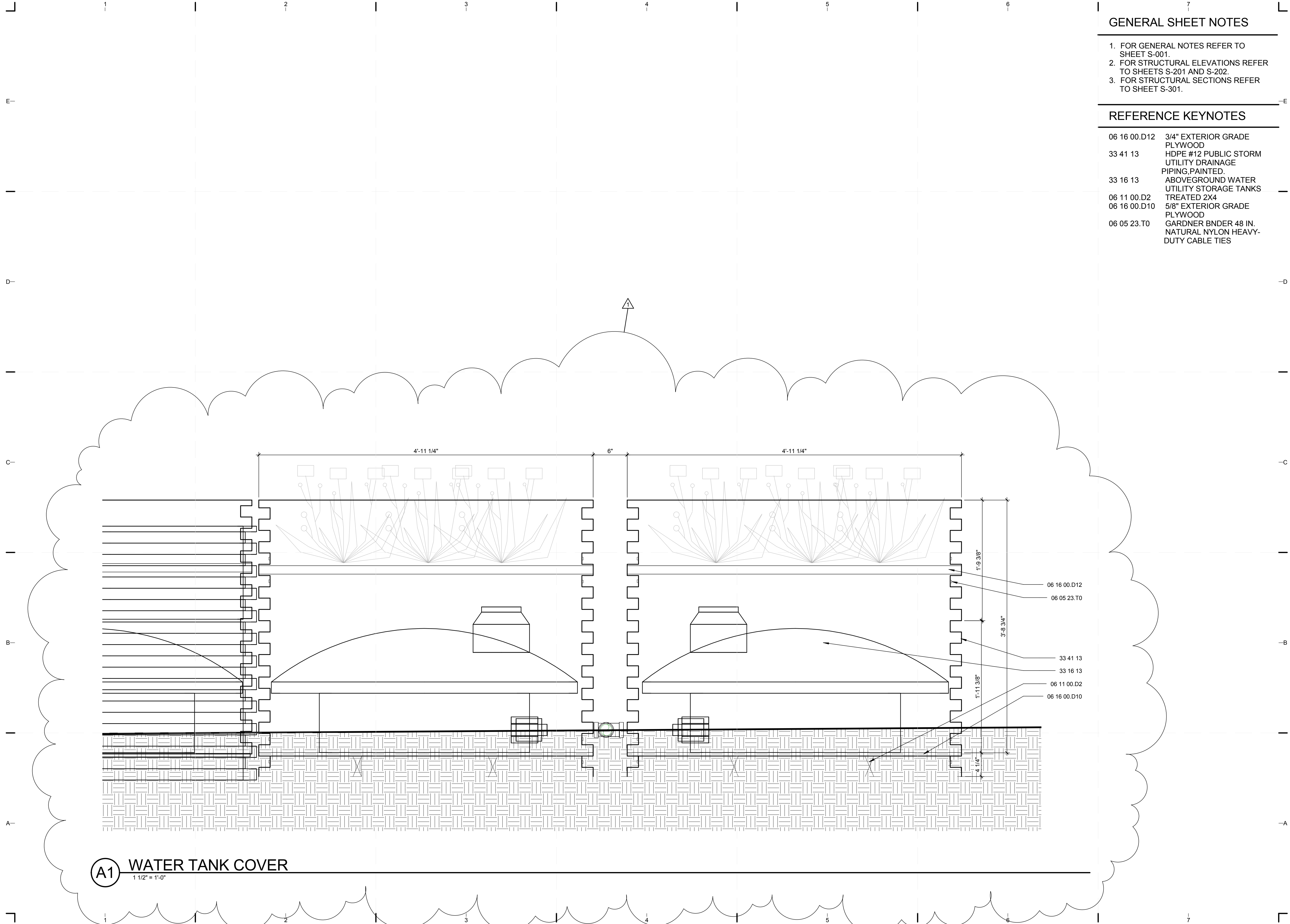
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SHEET TITLE
LANDSCAPE WATER DETAILS

SHEET NUMBER
L-501

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A1 WATER TANK COVER
 1 1/2" = 1'-0"

STRUCTURAL INDEX OF DRAWINGS

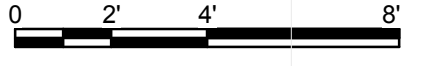
SHEET NO.	SHEET NAME
S-001	STRUCTURAL NOTES AND SYMBOLS
S-101	FOUNDATION PLAN
S-102	FLOOR FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-111	DECK FOUNDATION PLAN
S-112	DECK FRAMING PLAN
S-113	DECK FINISH PLAN
S-201	FRAMING ELEVATIONS
S-202	FRAMING SECTIONS
S-301	FRAMING SECTIONS
S-501	FOUNDATION PLAN DETAILS
S-502	STRUCTURAL FLOOR PLAN DETAILS
S-503	STRUCTURAL ROOF PLAN DETAILS
S-505	STRUCTURAL SECTION DETAILS
S-506	STRUCTURAL SECTION DETAILS
S-507	STRUCTURAL SECTION DETAILS
S-508	STRUCTURAL DETAILS
S-511	DECK SECTIONS
S-512	DECK SECTIONS
S-523	DECK DETAILS
S-524	DECK DETAILS
S-525	DECK DETAILS
S-526	DECK DETAILS
S-701	LIGHT-GAUGE FRAMING DETAILS
S-901	FRAMING ISOMETRICS

ABBREVIATIONS

ADJ	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
B.O.	BOTTOM OF COLUMN
COL	COLUMN
EA	EACH
F.F.E.	FINISHED FLOOR ELEVATION
FIU	FLORIDA INTERNATIONAL UNIVERSITY
GA	GAUGE
HSS	HOLLOW STEEL SECTION
INSUL	INSULATION
MAX	MAXIMUM
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MIN	MINIMUM
MTL	METAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
P.F.A.S.	PERSONAL FALL ARREST SYSTEM
PV	PHOTOVOLTAIC
RAD	RADIUS
R.O.	ROUGH OPENING
S.F.	SQUARE FEET
SIM	SIMILAR
STL	STEEL
T.O.	TOP OF
Typ	TYPICAL

STRUCTURAL SYMBOLS LEGEND

	DETAIL
	SECTION
	ELEVATION
	COLUMN GRID
	LEVEL
	REVISION
	SHEET KEYNOTE
	SPOT ELEVATION
	NORTH ARROW



C4 DRAWING BLOCK TITLE
1 1/2" = 1'-0"

GENERAL STRUCTURAL NOTES

BUILDING CODES
IN MY PROFESSIONAL JUDGEMENT AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE FOLLOWING CODES. ALTHOUGH THE ENGINEER OF RECORD HAS STRIVED TO MEET ALL APPLICABLE CODES AND LOCAL ORDINANCE REQUIREMENTS, THE CONTRACTOR IS STILL RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES AND ORDINANCES. IN THE EVENT OF CONFLICT OR OVERSIGHT IN THE DRAWINGS, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF ANY CONFLICT OR DISCREPANCY ENCOUNTERED SO THAT APPROPRIATE REMEDIES MAY BE UNDERTAKEN.

- 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS (FBC)
- 2009 INTERNATIONAL RESIDENTIAL CODE (IRC)
- SOLAR DECATHLON RULES, UPDATED OCTOBER 22, 2010
- SOLAR DECATHLON BUILDING CODE, UPDATED OCTOBER 22, 2010

APPLICABLE CODES

- ASCE/SEI 7-05 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS
- NATIONAL DESIGN SPECIFICATIONS
- AMERICAN WELDING SOCIETY (AWS D1.1) - CODE FOR WELDING IN BUILDING CONSTRUCTION

DESIGN CRITERIA

- WIND (MIAMI, FL): 146 MPH (65 MPS) (3 SECOND GUST), EXPOSURE CATEGORY C
GOVERNING CODE: 2007 FBC, W/2009 SUPPLEMENTS
BASIC WIND SPEED: V = 146 MPH
BUILDING CATEGORY: I = 1.0 (CATEGORY II)
IMPORTANCE FACTOR: Kd = 0.85
DIRECTIONALITY FACTOR: I = 1.0 (CATEGORY II)
EXPOSURE: Kd = 0.85

- WIND (WASHINGTON, DC): 80 MPH (36 MPS) (3 SECOND GUST), EXPOSURE CATEGORY C (IF TIE DOWNS ARE NOT USED, YOU MUST SHOW THAT THERE IS NO OVERTURNING, UPLIFTING OR SLIDING WITH A SAFETY FACTOR OF 2)
- RAILINGS: 200 LB (890 N) CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY POINT AT THE TOP OF THE RAIL
- INTERIOR FLOOR, DECKS, RAMPS: 50 PSF (2.39 kPa) LIVE LOAD
- ROOF: 30 PSF (0.958 kPa) LIVE LOAD (PER FBC)
- SOIL: 1,500 PSF (71.8 kPa) MAXIMUM LOAD BEARING PRESSURE ON TOP OF THE SOIL AND 1,000 PSF (47.9 kPa) MINIMUM FOR HOUSE FOUNDATIONS TO MITIGATE GRASS IMPACT
- STRUCTURAL PLANS SHALL INDICATE THE DESIGN LIVE LOADS AND THE LOCATION, SIZE AND WEIGHT OF SPECIAL LOADS SUCH AS LIQUID STORAGE TANKS AND MASS/TROMBE WALLS
- CANOPES: 5 PSF LIVE LOAD (PER FBC 1607.11.2.4)

DESIGNED SUPERIMPOSED LOADS

OCCUPANCY: ROOF BEAMS AND JOISTS

MATERIALS

STRUCTURAL STEEL	Fy = 50 KSI
LIGHT-GAUGE STEEL	18 GAUGE Fy = 33 KSI 16 GAUGE Fy = 50 KSI
WOOD	SOUTHERN YELLOW PINE, NO. 2 Fb = 1,000 PSI Fc = 400 PSI Fv = 135 PSI E = 1,200,000 PSI

COORDINATION

- COORDINATE ALL DIMENSIONS, ELEVATIONS AND OPENINGS WITH ARCHITECTURAL DRAWINGS AND PROJECT MANUAL. REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER
- DETAILS LABELED "TYPICAL" APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED, WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. QUESTIONS REGARDING THE APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE ARCHITECT/ENGINEER. OPENINGS SHOWN ON STRUCTURAL DRAWINGS ARE ONLY PICTORIAL. SEE ARCHITECTURAL AND MEP DRAWINGS FOR THE SIZE AND LOCATION OF OPENINGS IN THE STRUCTURE.
- CONTRACTORS WHO DISCOVER DISCREPANCIES, OMISSIONS OR VARIATIONS IN THE CONTRACT DOCUMENTS DURING BIDDING SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER. THE ARCHITECT/ENGINEER WILL RESOLVE THE CONDITION AND ISSUE A WRITTEN CLARIFICATION.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL CONTRACT DOCUMENTS WITH FIELD CONDITIONS, DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. USE ONLY PRINTED DIMENSIONS. REPORT ANY DISCREPANCIES IN WRITINGS TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK. DO NOT CHANGE SIZE OR LOCATION OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE STRUCTURAL ENGINEER-OF-RECORD.

FOUNDATIONS
FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON SOIL CAPABLE OF SUPPORTING A MINIMUM BEARING PRESSURE OF 1,000 PSF PER SOLAR DECATHLON BUILDING CODE, UPDATED OCTOBER 22, 2010.

SOIL STATEMENT
VISUAL INSPECTION OF THE SITE SHOWS A SOIL OF LIMESTONE WITH SANDY POCKETS AND WITH A LAYER OF TOPSOIL. THIS LIMESTONE HAS A SAFE BEARING CAPACITY IN EXCESS OF 1,500 PSF. AT THE TIME OF CONSTRUCTION, A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER SHALL SUBMIT TO THE BUILDING OFFICIAL A LETTER ATTESTING THAT THE SITE HAS BEEN OBSERVED AND THE FOUNDATIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED.

STRUCTURAL STEEL

- FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH SPECIFICATIONS SECTION 051200, AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, WITH COMMENTARY AND ALL OSHA REQUIREMENTS.
- STRUCTURAL STEEL SHAPES SHALL BE FABRICATED FROM THE FOLLOWING MATERIALS:
 - STRUCTURAL STEEL PLATES, ANGLES, M, S, C AND MC SHAPES SHALL CONFORM TO ASTM A-36.
 - STRUCTURAL STEEL W AND WT SHAPES SHALL CONFORM TO ASTM A992 (50,000 PSI).
 - ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.
 - P.I.P.E. COLUMNS SHALL CONFORM TO ASTM A-500, GRADE C (Fy = 46 KSI).
 - SQUARE/RECTANGULAR COLUMNS SHALL CONFORM TO ASTM A-500, GRADE B (Fy = 46 KSI).
- ALL BOLTS SHALL COMPLY WITH "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS," INCLUDING COMMENTARY.
 - TYPICAL BOLTS USED IN STRUCTURAL CONNECTIONS FOR THIS PROJECT ARE 3/4" DIAMETER.
 - TIGHTEN BEARING-TYPE BOLTS (A325-N) TO THE SNUG-TIGHT CONDITION AS FOLLOWS:
 - BOLTS SHALL BE PLACED IN ALL HOLES WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY.
 - COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT.
 - THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRON WORKER USING AN ORDINARY SPUD WRENCH.
 - MORE THAN ONE CYCLE THROUGH THE BOLT PATTERN MAY BE REQUIRED TO ACHIEVE THE SNUG-TIGHTENED JOINT.
 - PROVIDE HARDENED WASHERS CONFORMING TO ASTM F436 AND PLACE UNDER THE PART BEING TURNED.
 - DO NOT REUSE OR RETIGHTEN BOLTS WHICH HAVE BEEN FULLY TIGHTENED. USE ONLY NON-GALVANIZED NUTS AND BOLTS THAT ARE CLEAN, RUST-FREE AND WELL LUBRICATED. BOLTS AND NUTS SHALL BE WAX DIPPED BY THE BOLT SUPPLIER OR LUBRICATED WITH JOHNSON'S STICK WAX 140. CLEANING AND LUBRICATION OF ASTM F1852 TWIST-OFF-TYPE TENSION-CONTROL BOLTS IS NOT PERMITTED.
 - STORE FASTENER COMPONENTS IN SEALED CONTAINERS UNTIL READY FOR USE. RESEAL OPEN CONTAINERS TO PREVENT CONTAMINATION BY MOISTURE OR OTHER DELETERIOUS SUBSTANCES. STORE CLOSED CONTAINERS FROM DIRT AND MOISTURE IN A PROTECTIVE SHELTER. TAKE FROM PROTECTIVE STORAGE ONLY AS MANY FASTENER COMPONENTS AS ARE ANTICIPATED TO BE INSTALLED DURING THE WORK SHIFT. FASTENER COMPONENTS THAT ARE NOT INCORPORATED INTO THE WORK SHALL BE RETURNED TO PROTECTIVE STORAGE AT THE END OF THE WORK SHIFT. FASTENERS FROM OPEN CONTAINERS AND FASTENERS THAT ACCUMULATE RUST OR DIRT SHALL NOT BE USED AND SHALL BE IMMEDIATELY AND PERMANENTLY REMOVED FROM THE PROJECT SITE.
- USE A307 BOLTS FOR ALL ERECTION BOLTS LESS THAN 3/4" DIAMETER, UNLESS OTHERWISE NOTED.

- SETTING BASE AND BEARING PLATES: CLEAN CONCRETE AND MASONRY BEARING SURFACE OF BOND-REDUCING MATERIALS AND CLEAN BOTTOM OF BASE AND BEARING PLATE.
 - SET BASE OR BEARING PLATE ON WEDGES OR OTHER ADJUSTING DEVICES.
 - TIGHTEN ANCHOR RODS AFTER STRUCTURAL STEEL FRAME HAS BEEN PLUMBED. DO NOT REMOVE WEDGES OR SHIMS BUT, IF PROTRUDING, CUT OFF FLUSH WITH EDGE OF BASE OR BEARING PLATE PRIOR TO PACKING WITH GROUT.
 - PACK OR POUR NON-SHRINK GROUT SOLIDLY BETWEEN BEARING SURFACE AND BASE OR BEARING PLATE. ENSURE THAT NO VOIDS REMAIN. FINISH EXPOSED SURFACES, PROTECT GROUT AND ALLOW TO CURE.
 - FOR PROPRIETARY GROUT MATERIALS, COMPLY WITH MANUFACTURER'S INSTRUCTIONS.
 - BASE PLATING MUST BE GROUTED A MINIMUM OF 72 HOURS PRIOR TO PLACING CONCRETE SLABS ON SUPPORTING STEEL STRUCTURE.
- CUT, DRILL OR PUNCH HOLES PERPENDICULAR TO METAL SURFACES. REAM HOLES THAT MUST BE ENLARGED TO ADMIT BOLTS AS PERMITTED BY ARCHITECT/ENGINEER. DO NOT ENLARGE UNFAIR HOLES BY BURNING OR USING DRIFT PINS.
- DO NOT SPLICE STEEL MEMBERS EXCEPT WHERE INDICATED ON THE DRAWINGS.
- PROVIDE ONE SHOP COAT OF RUST INHIBITING PAINT, MINIMUM 3 ML DRY FILM THICKNESS.
- FABRICATIONS AND ERECTIONS SHALL BE DONE IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.

WELDING

- ALL STRUCTURAL STEEL WELDING SHALL CONFORM TO THE AWS D1.1 STRUCTURAL WELDING CODE BY THE AMERICAN WELDING SOCIETY.
- CONTRACTOR SHALL USE E-70 SERIES LOW HYDROGEN ELECTRODES.

LIGHT-GAUGE STEEL FRAMING

- FABRICATE AND ERECT EXTERIOR STUD CONSTRUCTION IN ACCORDANCE WITH SPECIFICATION SECTION 051000. AN ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS INCLUDING WIND IS PERMITTED. ALL STRUCTURAL MEMBERS SHOULD BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS, 1980 EDITION.
- ALL STUD RUNNERS AND/OR JOISTS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A-448, WITH A MINIMUM YIELD STRENGTH OF 33 KSI. USE GALVANIZED STEEL 'C' STUDS, TRACKS ANGLES AND STRAPS AS SHOWN ON DRAWINGS AND DETAILS PROVIDING THE FOLLOWING MINIMUM SECTION PROPERTIES:

3-5/8"	18 GAUGE	I = 0.694	S = 0.365	MR = 8045 in-lb
3-5/8"	16 GAUGE	I = 0.855	S = 0.439	MR = 14680 in-lb
6"	18 GAUGE	I = 2.268	S = 0.733	MR = 16142 in-lb
6"	16 GAUGE	I = 2.803	S = 0.887	MR = 29630 in-lb
- ALL TRACKS TO BE SAME GAUGE AS STUDS WITH MINIMUM 1-1/4" LEG.
- SCREWS, WHERE REQUIRED, SHALL MEET THE MINIMUM REQUIREMENTS OF SAE J-429 GRADE 5 AND IFI-105. SCREWS SHALL HAVE A PROTECTIVE COATING EQUIVALENT TO CADMIUM OR ZINC PLATING, ASTM B766.
- THE FOLLOWING ARE MINIMUM FASTENER REQUIREMENTS:
 - LIGHT-GAUGE FRAMING TO LIGHT-GAUGE FRAMING: USE SELF-TAPPING/DRILLING SCREWS, No. 10-16 FOR 18 GA AND No. 12-14 FOR 16 GA LIGHT-GAUGE FRAMING. TWO (2) SCREWS PER CONNECTION. ONE (1) SCREW EACH FLANGE FOR STUD TO TRACK CONNECTIONS.
 - LIGHT-GAUGE FRAMING TO STRUCTURAL STEEL: FOR 3-5/8" TRACK, USE ONE (1) PIN AT 16" O.C. STAGGERED. FOR 6" TRACK, USE TWO (2) PINS AT 16" O.C. AT STUDS.
- FIELD CUTTING OF LIGHT-GAUGE FRAMING MEMBERS SHALL BE BY SAW OR SHEAR. TORCH CUTTING IS NOT PERMITTED.
- SPLICING OF FRAMING COMPONENTS, OTHER THAN THE CONTINUOUS TRACK AT THE TOP AND BOTTOM OF WALLS, IS NOT PERMITTED, UNLESS OTHERWISE NOTED. SPLICING OF TRACK USED INT EH CONSTRUCTION OF JAMB, HEAD OR SILL ASSEMBLIES OF FRAMED WALL OPENINGS IS NOT PERMITTED. WHERE SPLICING OF TRACK IS NECESSARY BETWEEN STUD SPACING, A SECTION OF STUD SHALL BE PLACED IN THE ADJOINING TRACKS ACROSS THE JOINT AND FASTENED TO THE FLANGES AT BOTH SIDES OF THE WALL.
- LIMIT DEFLECTIONS OF STUDS BETWEEN SUPPORTS TO L/180.

TIMBER

- ALL JOISTS AND RAFTERS SHALL HAVE A MINIMUM STRESS GRADE OF Fb = 1,200 PSI, E = 1,700,000 PSI (SOUTHERN YELLOW PINE).

TEMPORARY BRACING

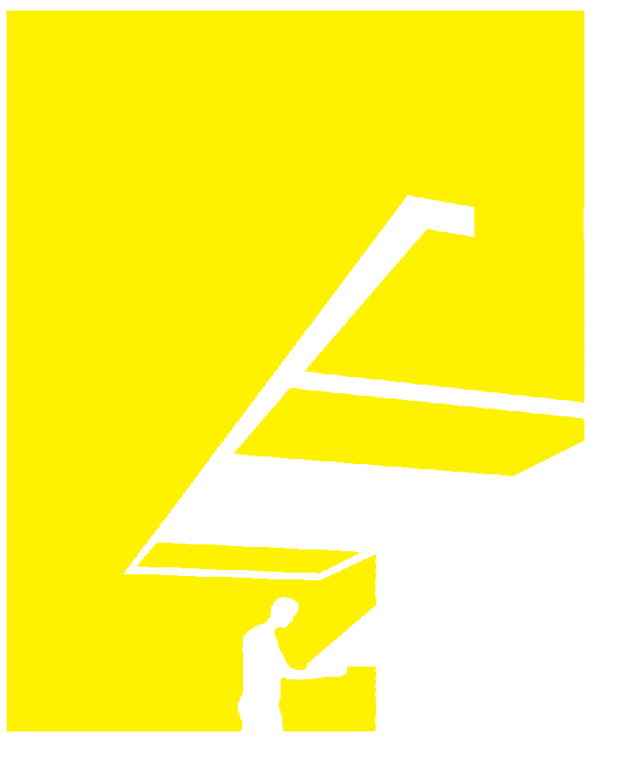
- ALL TEMPORARY BRACING REQUIRED IN THIS PROJECT SHALL BE DESIGNED BY A FLORIDA PROFESSIONAL ENGINEER WHO SPECIALIZES IN FORMWORK/TEMPORARY BRACING DESIGN AND WHO HAS BEEN HIRED BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS THE ULTIMATE RESPONSIBLE PARTY FOR TEMPORARY BRACING REQUIRED ON THIS PROJECT AND MUST SATISFY HIMSELF WITH THE ADEQUACY OF THE INSTALLATION OF THESE ITEMS AT ALL TIMES.

SAFETY, OSHA AND LABOR LAWS

- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, TEMPORARY BRACING, ETC. THAT MAY BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THIS PROJECT.
- THE STRUCTURAL ENGINEER OF RECORD DOES NOT POSSESS, NOR PRESUMES TO POSSESS ANY KNOWLEDGE OR EXPERTISE IN MATTERS OF JOB SITE EMPLOYEE SAFETY, OSHA OR LABOR LAW REQUIREMENTS FOR A CONSTRUCTION PROJECT. SAFETY AND COMPLIANCE WITH OSHA AND LABOR LAWS ARE THE ABSOLUTE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THOSE CONSULTANTS HE/SHE HIRES TO ADDRESS THESE MATTERS. THE STRUCTURAL ENGINEER OF RECORD SPECIALIZES IN STRUCTURAL DESIGN ONLY, AND THE BOARD OF PROFESSIONAL REGULATION FORBIDS HIM/HER FROM ASSUMING RESPONSIBILITY OUTSIDE HIS/HER AREA OF EXPERTISE.
- THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY, HIS OWN WORK AND THE PUBLIC FROM HARM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND JOBSITE SAFETY INCLUDING ALL OSHA REQUIREMENTS.

SHOP DRAWING SUBMITTALS

- SUBMIT FIVE (5) PRINTS OF ALL SHOP DRAWINGS LISTED BELOW. IF SIGNED AND SEALED SHOP DRAWINGS ARE REQUIRED, THEN SUBMIT TWO ADDITIONAL SIGNED AND SEALED PRINTS FOR APPROVAL.
 - STRUCTURAL STEEL
 - LIGHT-GAUGE STEEL FRAMING
 - SOLAR PANEL SUPPORT RACK
- SUBMIT SPECIFIC COMPONENTS, SUCH AS COLUMNS, FOOTINGS, ETC., IN A SINGLE PACKAGE. SUBMIT SIMILAR FLOORS TOGETHER.
- ON FIRST SUBMITTAL, CLEARLY FLAG AND CLOUD ALL DIFFERENCES FROM THE CONTRACT DOCUMENTS. ON RESUBMITTALS, FLAG AND CLOUD ALL CHANGES AND ADDITIONS TO PREVIOUS SUBMITTAL. ONLY CLOUDED ITEMS WILL BE REVIEWED.
- SUBMITTALS FOR SPECIAL STRUCTURAL, LOAD-CARRYING ITEMS THAT REQUIRE BY CODES OR STANDARDS TO RESIST FORCES MUST BE PREPARED BY, OR UNDER THE DIRECT SUPERVISION OF A DELEGATED ENGINEER. EXAMPLES INCLUDE PREFABRICATED WOOD COMPONENTS AND EXTERIOR ENCLOSURE SYSTEMS.
- A DELEGATED ENGINEER IS DEFINED AS A FLORIDA LICENSED ENGINEER WHO SPECIALIZES IN AND UNDERTAKES THE DESIGN OF STRUCTURAL COMPONENTS OR STRUCTURAL SYSTEMS INCLUDED IN A SPECIFIC SUBMITTAL PREPARED FOR THIS PROJECT AND IS AN EMPLOYEE, OFFICER OR CONSULTANT OF THE CONTRACTOR OR FABRICATOR RESPONSIBLE FOR THE SUBMITTAL. THE DELEGATED ENGINEER SHALL SIGN, SEAL AND DATE THE SUBMITTAL, INCLUDING CALCULATIONS AND DRAWINGS.
- THE TRADE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT THE JOB SITE FOR TOLERANCES, CLEARANCES, QUANTITIES, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION. COORDINATION OF THE WORK WITH OTHER TRADES AND FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- THE GENERAL CONTRACTOR SHALL REVIEW AND APPROVE SUBMITTALS AND SHALL SIGN AND DATE EACH DRAWING PRIOR TO SUBMITTING TO THE ARCHITECT/ENGINEER. THIS APPROVAL IS TO CONFIRM THAT THE SUBMITTAL IS COMPLETE, COMPLIES WITH THE SUBMITTAL REQUIREMENTS AND IS COORDINATED WITH FIELD DIMENSIONS, OTHER TRADES, ERECTION SEQUENCING AND CONSTRUCTABILITY.
- THE STRUCTURAL ENGINEER REVIEWS SUBMITTALS TO CONFIRM THAT THE SUBMITTAL IS IN GENERAL CONFORMANCE WITH THE DESIGN CONCEPT PRESENTED IN THE CONTRACT DOCUMENTS. QUANTITIES AND DIMENSIONS ARE NOT CHECKED. NOTATIONS ON SUBMITTALS DO NOT AUTHORIZE CHANGES TO THE CONTRACT SUM. CHECKING OF THE SUBMITTAL BY THE STRUCTURAL ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DOCUMENTS AND FROM ERRORS OR OMISSIONS IN THE SUBMITTAL.
- IN ADDITION TO THE ABOVE, THE STRUCTURAL ENGINEER'S REVIEW OF DELEGATED ENGINEER SUBMITTALS IS LIMITED TO VERIFYING THAT THE SPECIFIC STRUCTURAL SUBMITTAL HAS BEEN FURNISHED, SIGNED AND SEALED BY THE DELEGATED ENGINEER AND THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED SPECIFIED STRUCTURAL CRITERIA. NO DETAILED CHECK OF CALCULATIONS WILL BE MADE. THE DELEGATED ENGINEER IS SOLELY RESPONSIBLE FOR THEIR DESIGN, INCLUDING BUT NOT LIMITED TO THE ACCURACY OF THEIR CALCULATIONS AND COMPLIANCE WITH THE APPLICABLE CODES AND STANDARDS.



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JUL 30 2011

PAUL A. MARTINEZ, P.E.
FLORIDA REG. NO. 42650

SHEET INFORMATION

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MARK	DATE	DESCRIPTION
1	2011-06-27	FIU PERMIT

ORIGINAL PUBLISH DATE: 2011-03-22

SHEET INFORMATION

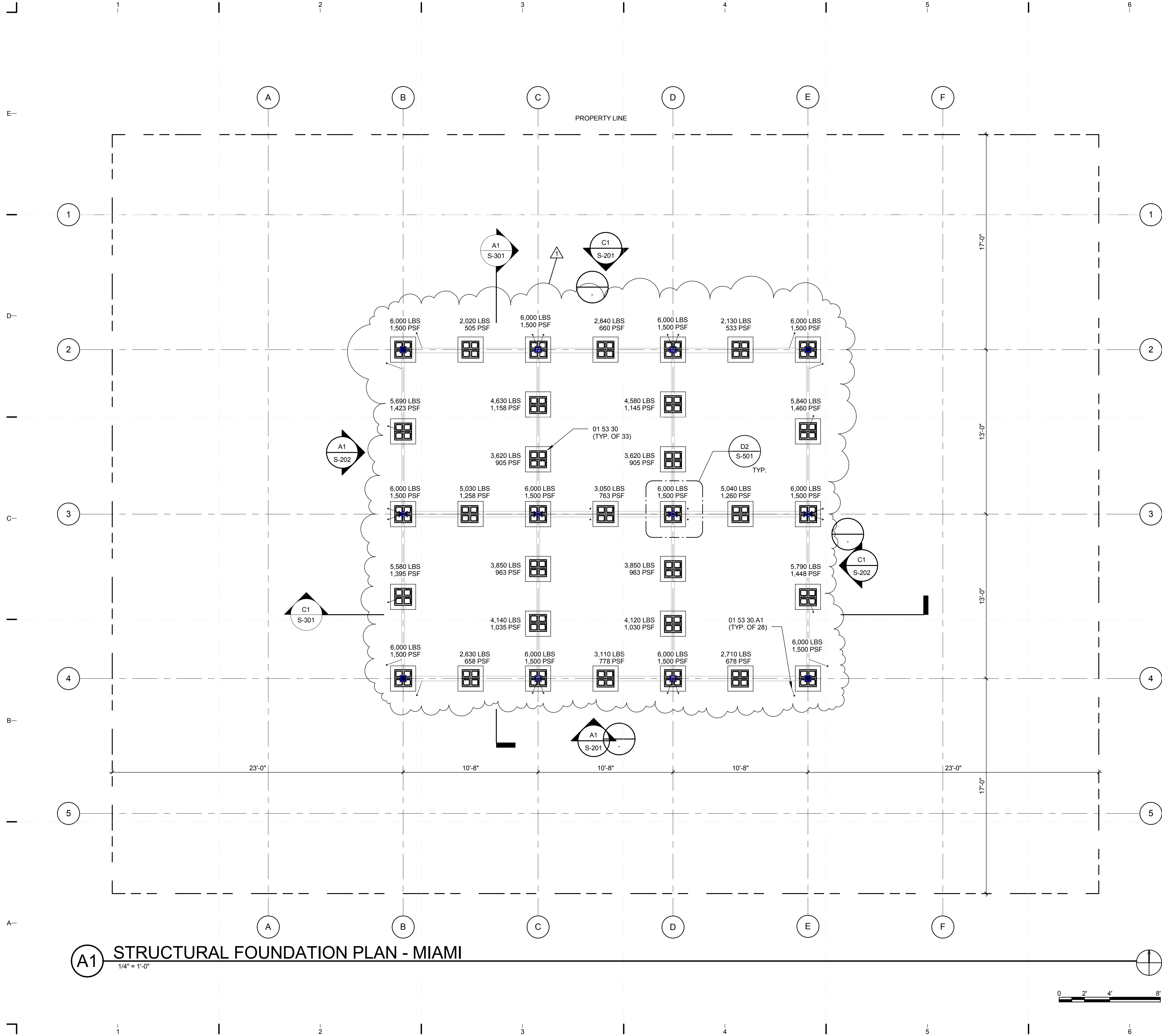
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SHEET TITLE

STRUCTURAL NOTES AND SYMBOLS

SHEET NUMBER

S-001

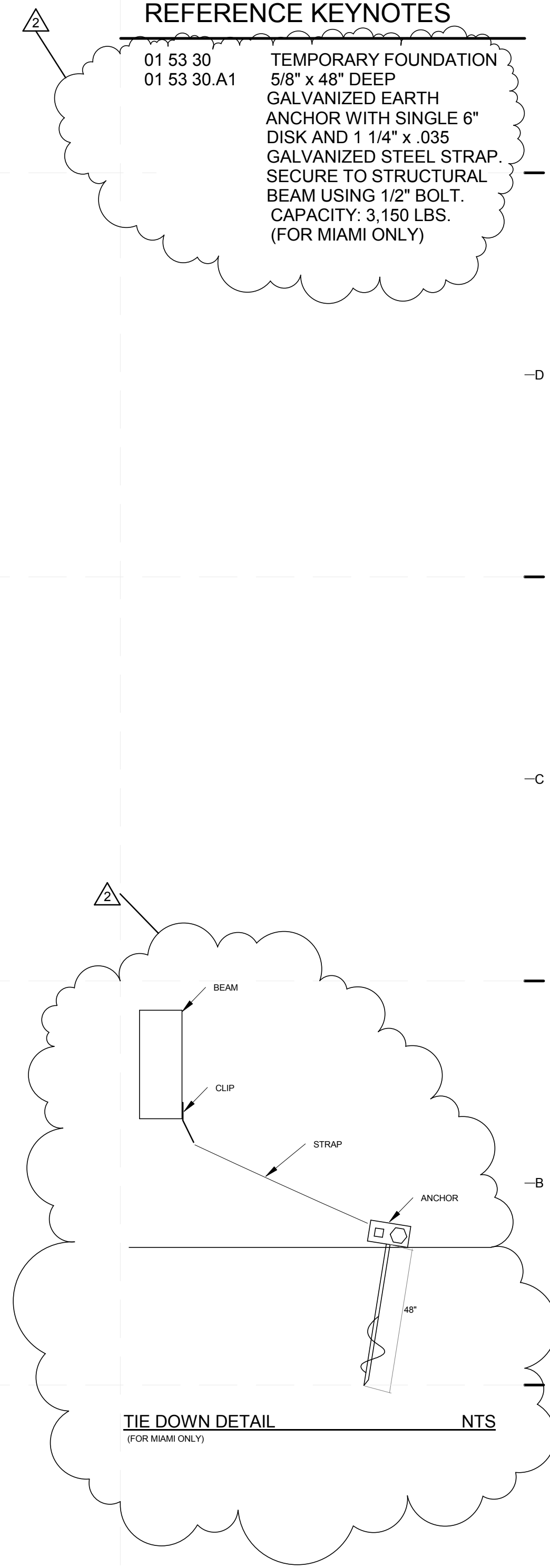


GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR DECK FOUNDATION PLAN (NOT SHOWN FOR CLARITY) REFER TO SHEET S-111.
3. FOR FOUNDATION DETAILS REFER TO SHEET S-501.

REFERENCE KEYNOTES

01 53 30
01 53 30.A1
TEMPORARY FOUNDATION
5/8" x 48" DEEP
GALVANIZED EARTH
ANCHOR WITH SINGLE 6"
DISK AND 1 1/4" x .035
GALVANIZED STEEL STRAP.
SECURE TO STRUCTURAL
BEAM USING 1/2" BOLT.
CAPACITY: 3,150 LBS.
(FOR MIAMI ONLY)



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1	2011-06-27	FIU PERMIT
2	2011-07-30	TIE DOWN

ORIGINAL PUBLISH DATE: 2011-03-22

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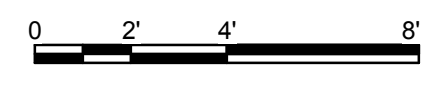
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FOUNDATION PLAN

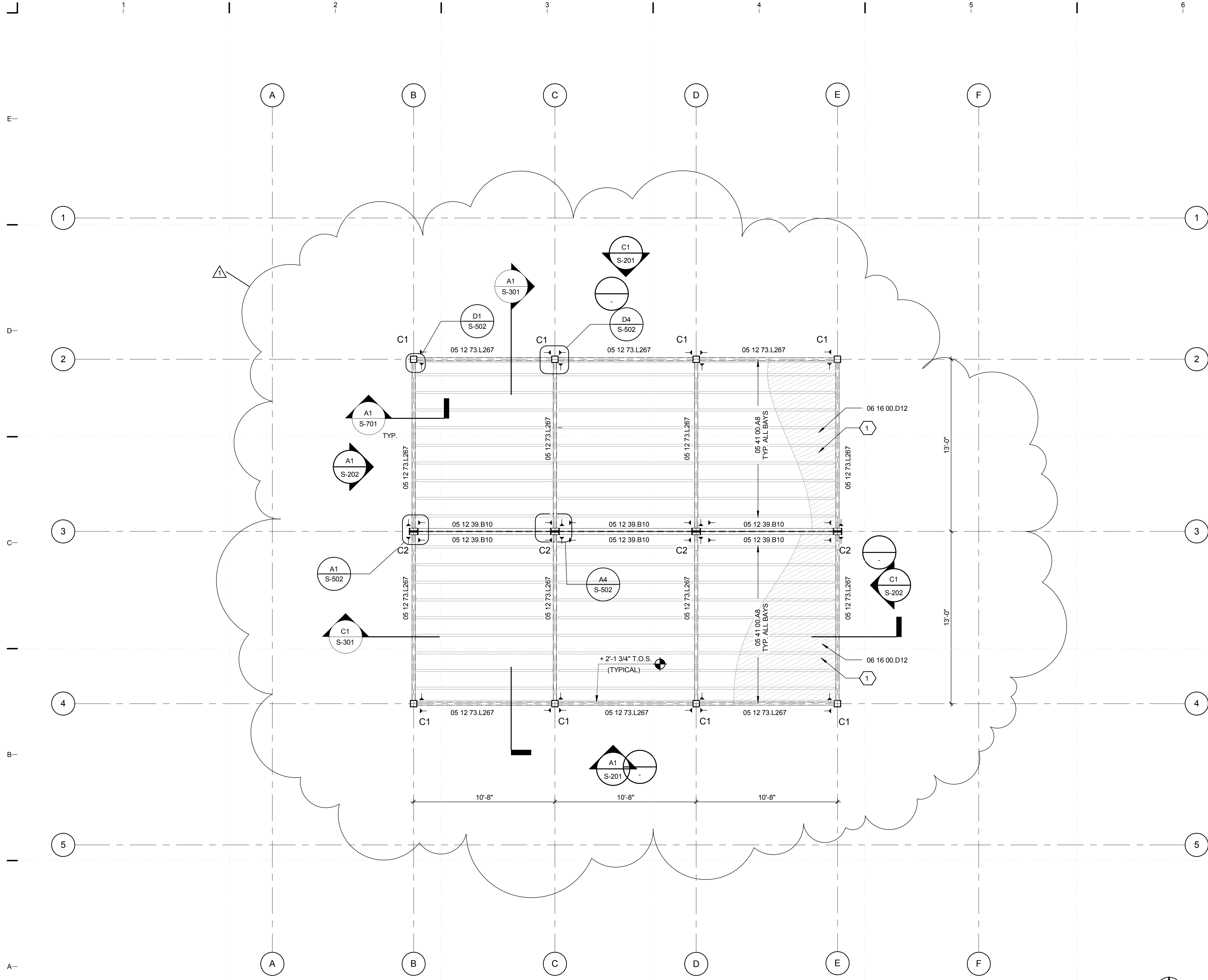
SHEET NUMBER

S-101

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



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GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR DECK FRAMING PLANS (NOT SHOWN FOR CLARITY) REFER TO SHEET S-112.
3. ALL LIGHT-GAUGE STUD FRAMING SHALL BE 16 GAUGE.
4. ALL LIGHT-GAUGE TRACKS AND CLIP ANGLES SHALL BE 14 GAUGE.

REFERENCE KEYNOTES

05 12 39.B14	C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
05 12 39.B10	C 10x15.3 STRUCTURAL STEEL FRAMING
05 12 73.L46	TS 6x6x0.25 HOLLOW STEEL SECTION
05 12 73.L267	TS 10x3x0.1875 HOLLOW STEEL SECTION
05 41 00.A8	6" METAL STUD FRAMING 600S162-54 @ 16" O.C.
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD SHEATHING

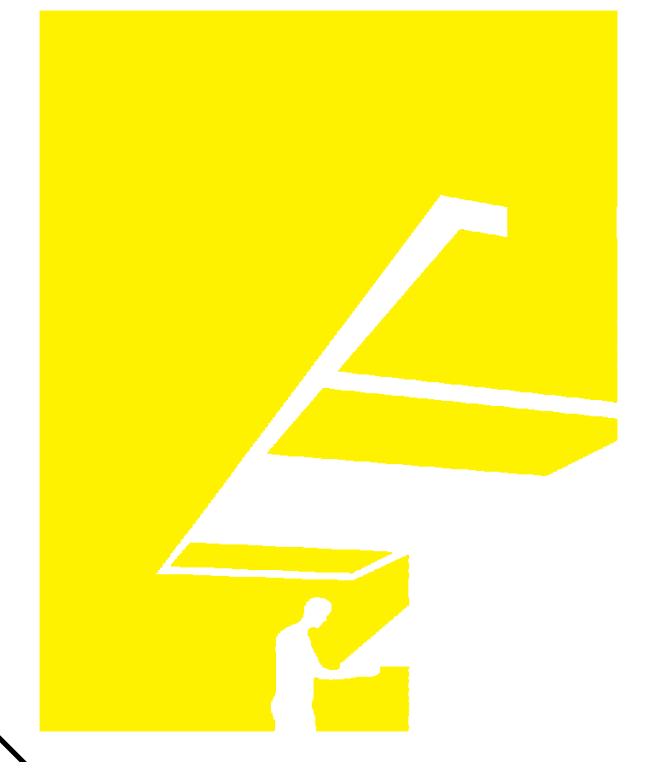
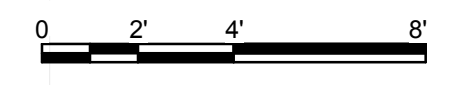
SHEET KEYNOTES

1. 3/4" CDX PLYWOOD SHEATHING OVER 6" METAL STUD FRAMING @ 24" O.C. WITH 1 1/4" SCREWS AT 12" O.C. (6" AT PERIMETER).

COLUMN SCHEDULE

MARK	MEMBER	REFERENCE	QTY	HEIGHT
C1	HSS 6x6x1/4"	05 12 73 L46	8	13'-0"
C2	I2C 8x18.75x3/8"	05 12 39 B14	4	13'-0"

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



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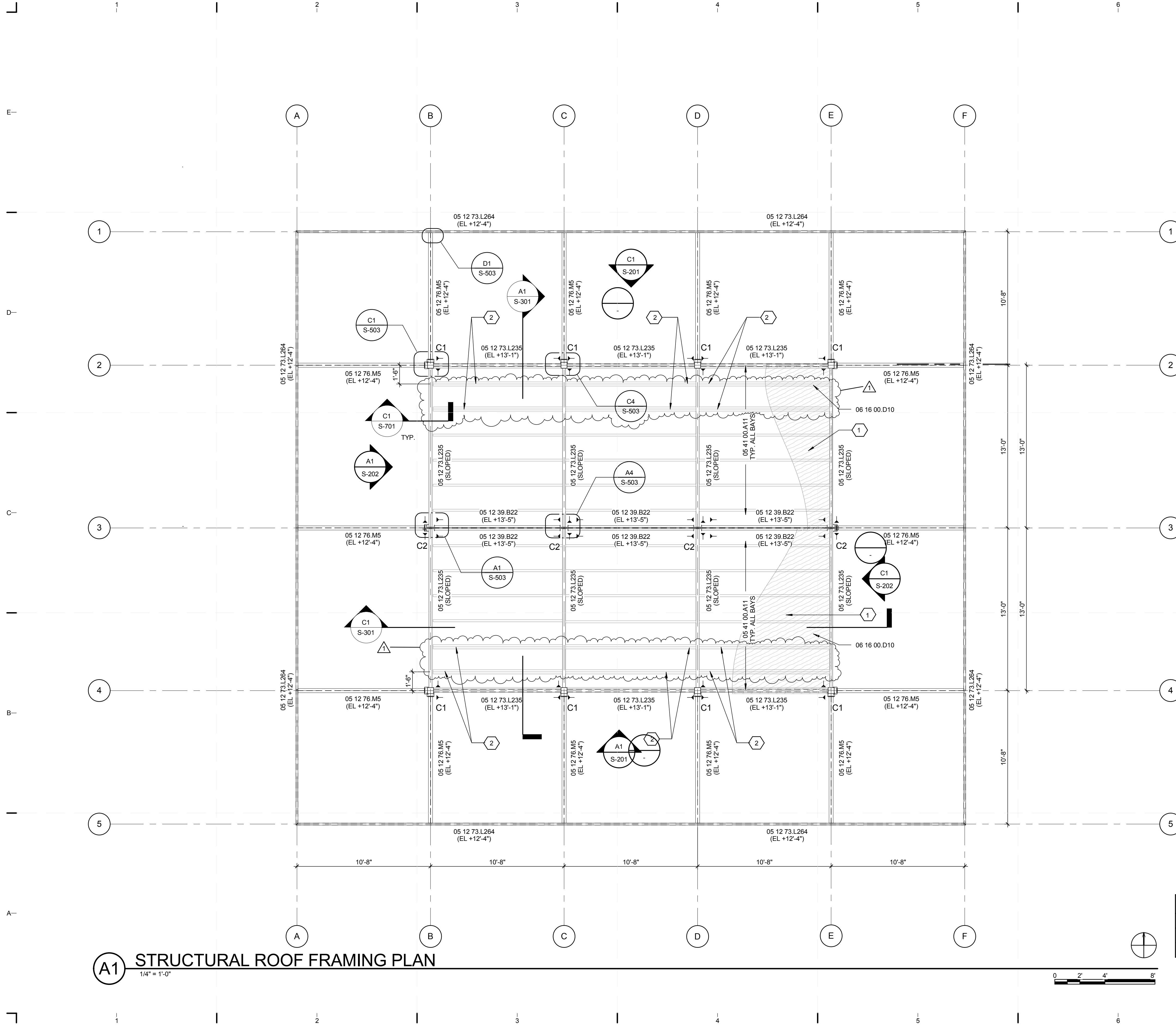
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FLOOR FRAMING PLAN

SHEET NUMBER
S-102

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GENERAL SHEET NOTES

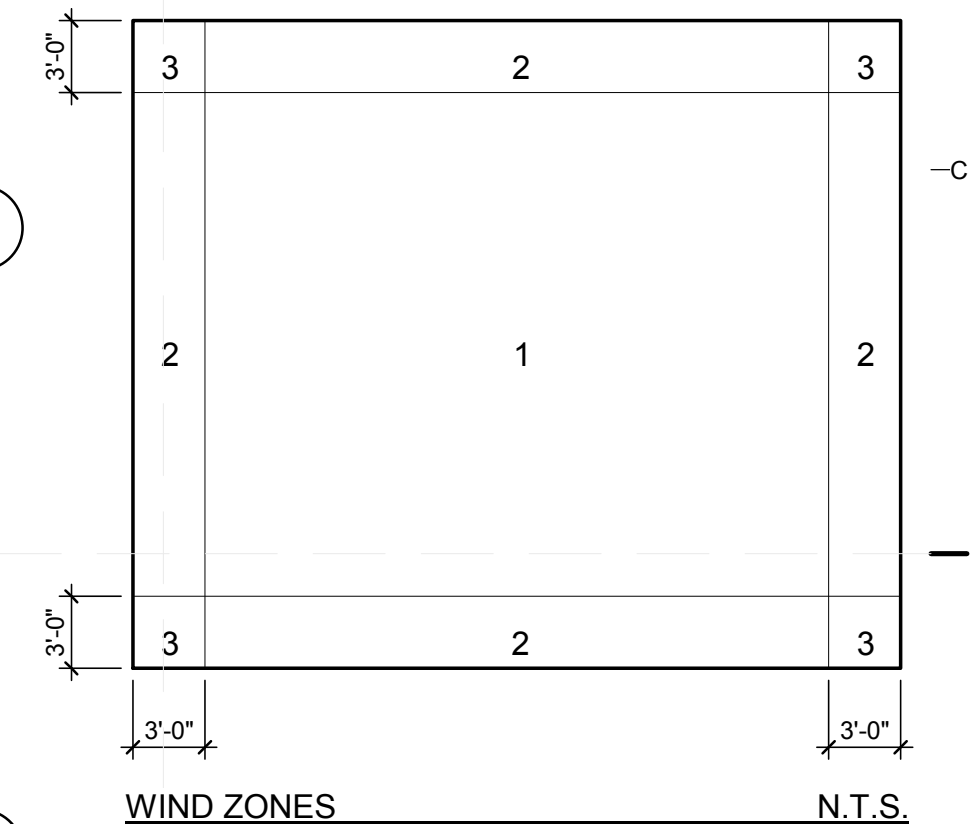
1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. ALL LIGHT-GAUGE STUD FRAMING SHALL BE 16 GAUGE.
3. ALL LIGHT-GAUGE TRACKS AND CLIP ANGLES SHALL BE 14 GAUGE.

REFERENCE KEYNOTES

- 05 12 39.B14C 8X18.75X3/8" STRUCTURAL STEEL FRAMING
- 05 12 39.B22C 6x8.2 STRUCTURAL STEEL FRAMING
- 05 12 73.L46TS 6x6x0.25 HOLLOW STEEL SECTION
- 05 12 73.L235 TS 6x3x0.3125 HOLLOW STEEL SECTION
- 05 12 73.L264 TS 6x2x0.125 HOLLOW STEEL SECTION
- 05 12 76.M5 W 6x12 STRUCTURAL STEEL FRAMING
- 05 41 00.A1110" METAL STUD FRAMING 1000S162-54 @ 24" O.C.
- 06 16 00.D1C5/8" EXTERIOR GRADE PLYWOOD SHEATHING

SHEET KEYNOTES

1. 5/8" CDX PLYWOOD SHEATHING OVER 6" METAL STUD FRAMING AT 24" O.C. WITH 1 1/4" SCREWS @ 12" O.C. (6" AT PERIMETER).
2. DOUBLE 10" METAL STUDS 1000S162-54



ROOFING PRESSURES	
ZONE	PRESSURE
1	-41.7 PSF
2	-50.9 PSF
3	-50.9 PSF

COLUMN SCHEDULE				
MARK	MEMBER	REFERENCE	QTY	HEIGHT
C1	HSS 6x6x1/4"	05 12 73 L46	8	13'-0"
C2	I2C 8x18.75x3/8"	05 12 39 B14	4	13'-0"



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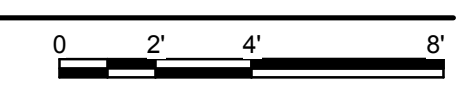
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SHEET TITLE
ROOF FRAMING PLAN
SHEET NUMBER
S-103

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



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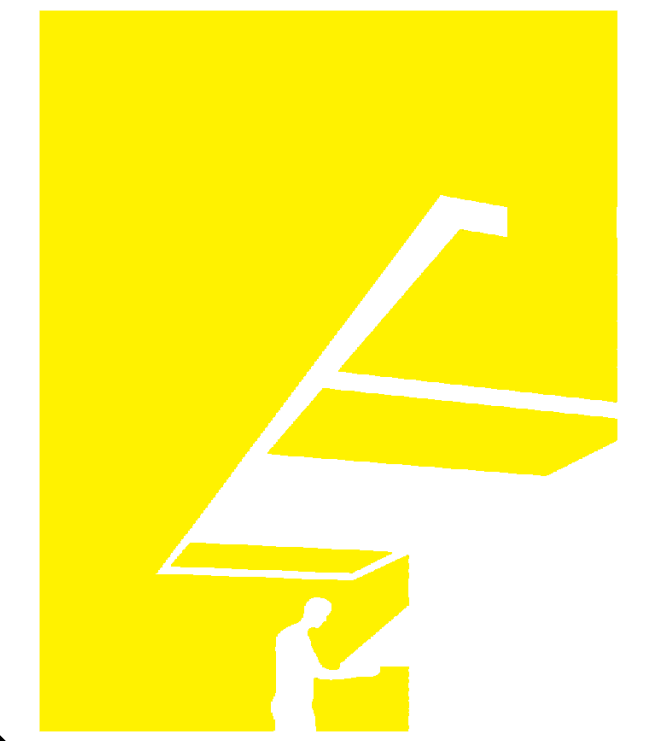
GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR HOUSE FOUNDATION PLAN (NOT SHOWN FOR CLARITY) REFER TO SHEET S-101.
3. FOR FOUNDATION DETAILS REFER TO SHEET S-501.
4. FOR ADDITIONAL INFORMATION, REFER TO LANDSCAPE DRAWINGS.
5. FOUNDATIONS NOT DIMENSIONED ARE TO BE PLACED ON SITE PER FRAMING ON SHEET S-112.

REFERENCE KEYNOTES

01 53 30 TEMPORARY FOUNDATION

SHEET KEYNOTES



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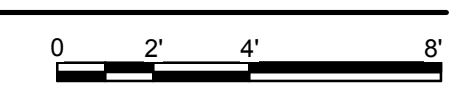
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MARK	DATE	DESCRIPTION
1	2011-06-27	FIU PERMIT

FOOTING SCHEDULE

MARK	TYPE	QTY	SIZE	AREA	ALLOWABLE LOAD
F1	HOUSE	12	24" x 24"	4.0 S.F.	4,000 lbs.
F2	DECK	32	16" x 16"	1.8 S.F.	2,667 lbs.
F3	PLANTER	25	12" x 12"	1.0 S.F.	1,500 lbs.

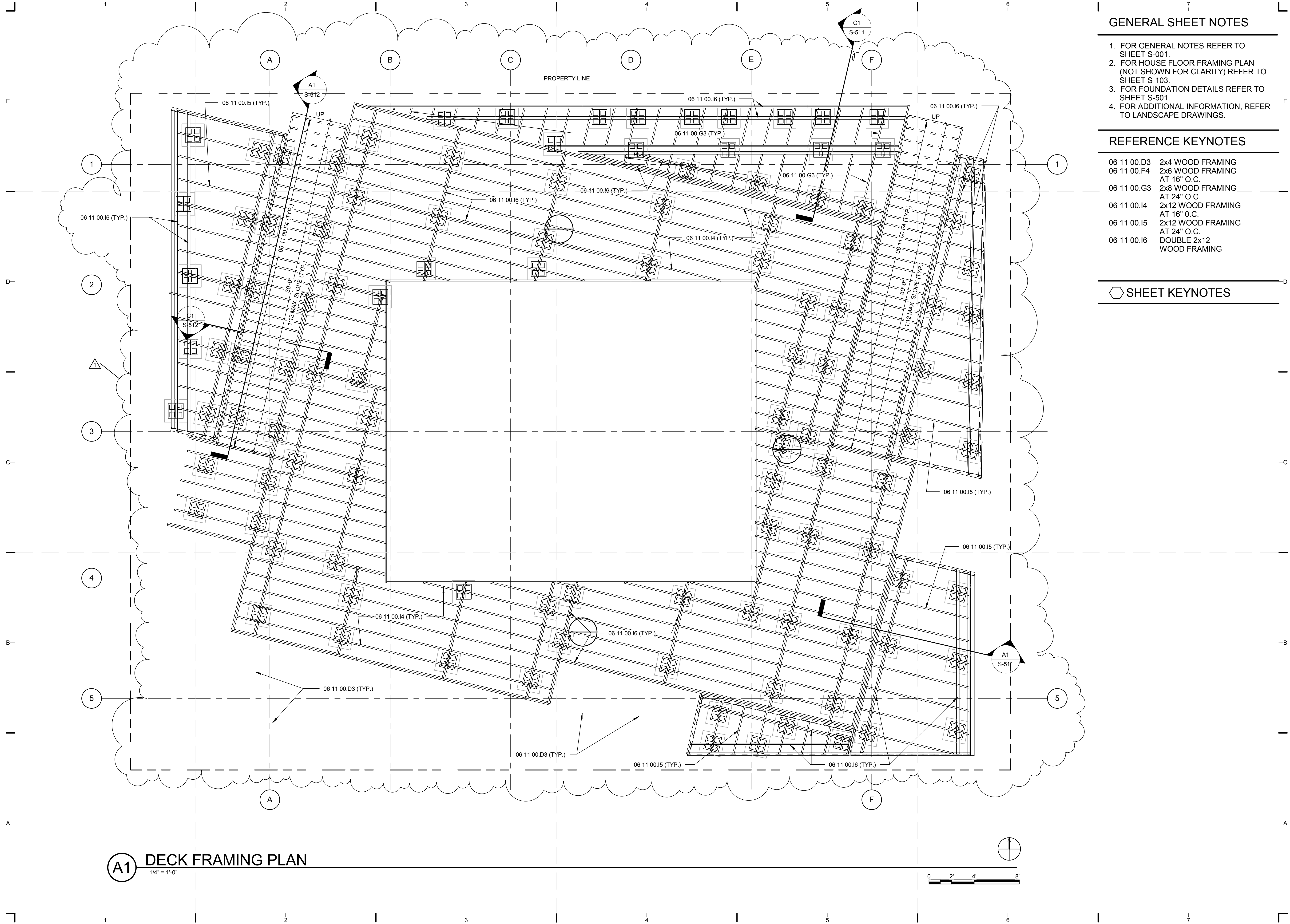
A1 DECK FOUNDATION PLAN
 1/4" = 1'-0"



DECK FOUNDATION PLAN

SHEET NUMBER
S-111

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

GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR HOUSE FLOOR FRAMING PLAN (NOT SHOWN FOR CLARITY) REFER TO SHEET S-103.
3. FOR FOUNDATION DETAILS REFER TO SHEET S-501.
4. FOR ADDITIONAL INFORMATION, REFER TO LANDSCAPE DRAWINGS.

REFERENCE KEYNOTES

06 11 00.D3	2x4 WOOD FRAMING
06 11 00.F4	2x6 WOOD FRAMING AT 16" O.C.
06 11 00.G3	2x8 WOOD FRAMING AT 24" O.C.
06 11 00.I4	2x12 WOOD FRAMING AT 16" O.C.
06 11 00.I5	2x12 WOOD FRAMING AT 24" O.C.
06 11 00.I6	DOUBLE 2x12 WOOD FRAMING

SHEET KEYNOTES



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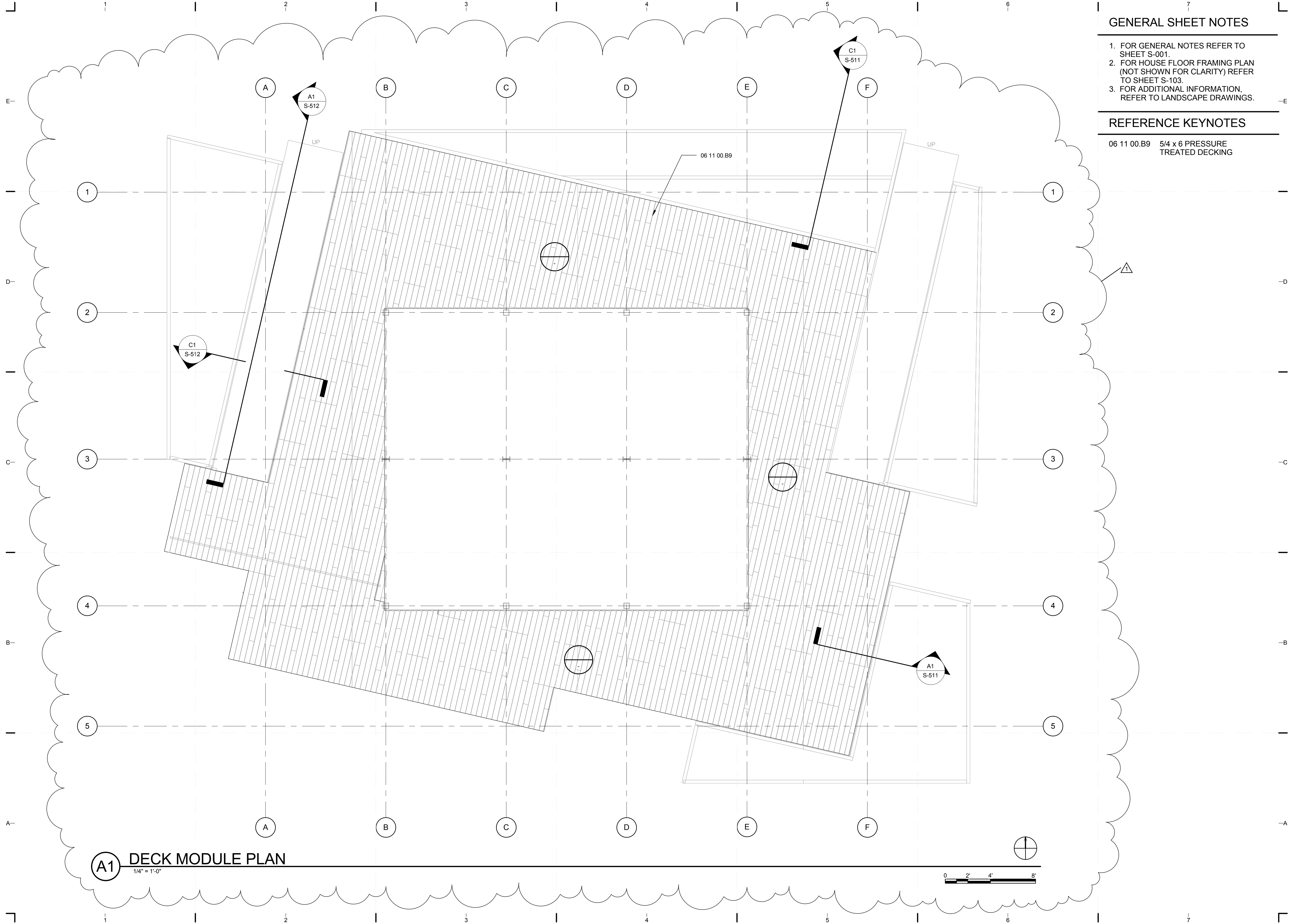
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SHEET TITLE

DECK FRAMING PLAN

SHEET NUMBER

S-112

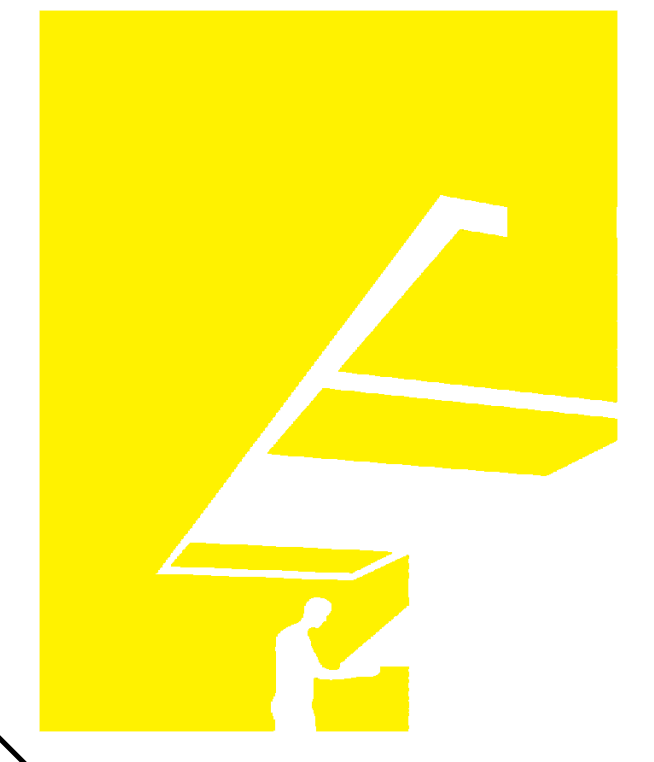


GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR HOUSE FLOOR FRAMING PLAN (NOT SHOWN FOR CLARITY) REFER TO SHEET S-103.
3. FOR ADDITIONAL INFORMATION, REFER TO LANDSCAPE DRAWINGS.

REFERENCE KEYNOTES

06 11 00.B9 5/4 x 6 PRESSURE TREATED DECKING



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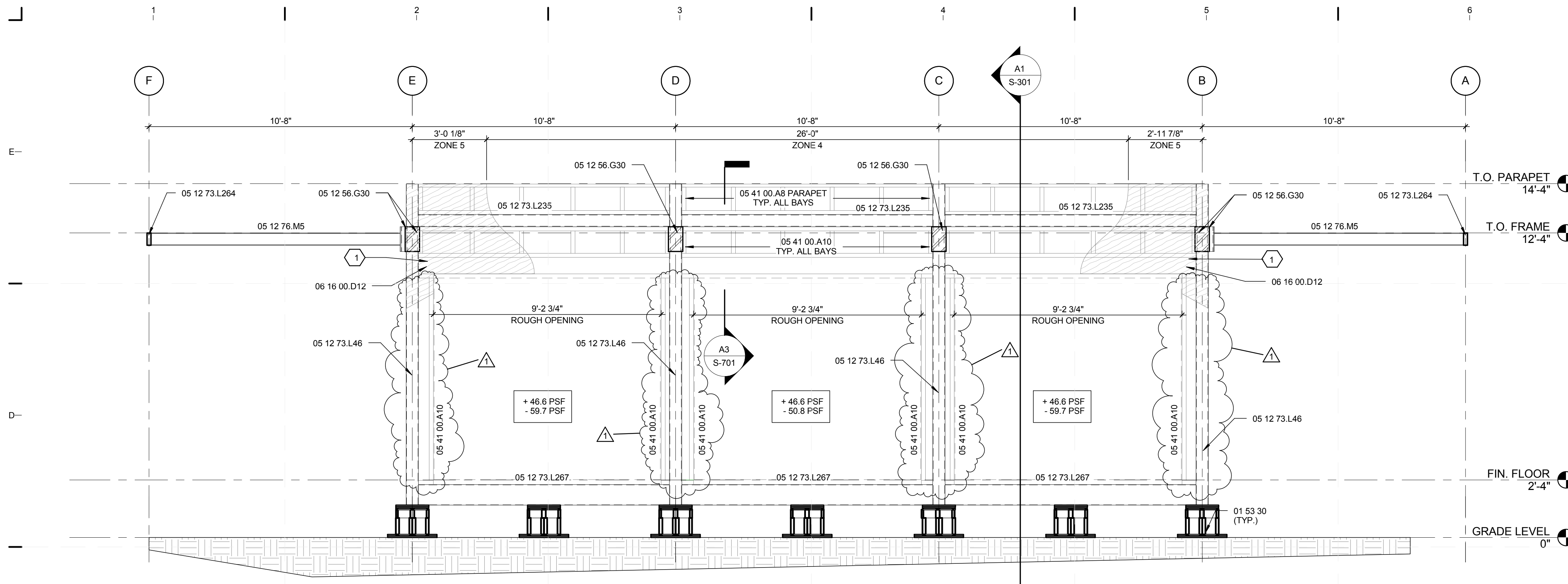
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DECK FINISH PLAN

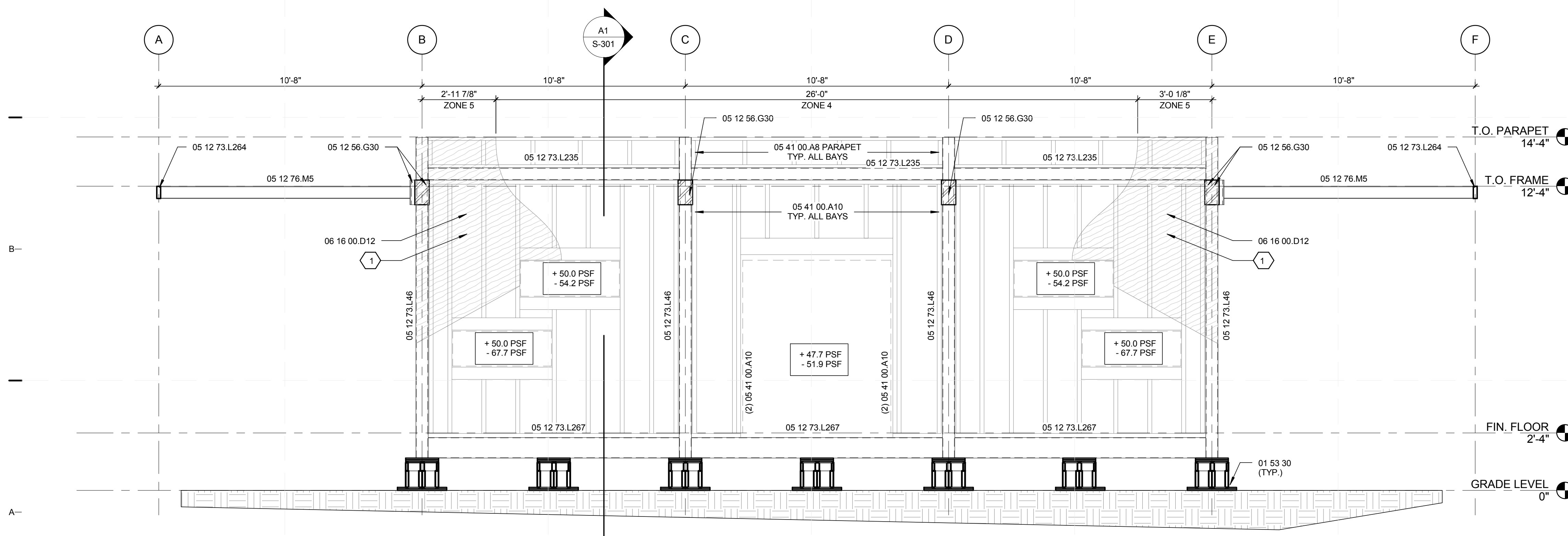
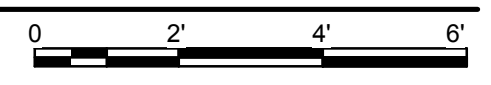
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S-113

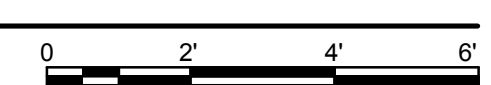
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C1 STRUCTURAL FRAMING ELEVATION - NORTH
3/8" = 1'-0"



A1 STRUCTURAL FRAMING ELEVATION - SOUTH
3/8" = 1'-0"



GENERAL SHEET NOTES

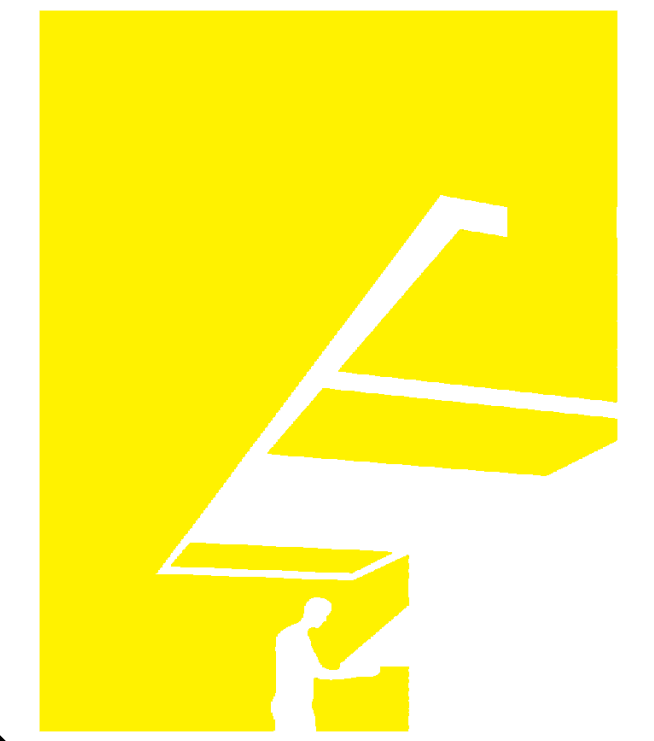
- FOR GENERAL NOTES REFER TO SHEET S-001.
- FOR DECK FRAMING NOT SHOWN FOR CLARITY.
- ALL LIGHT-GAUGE STUD FRAMING SHALL BE 16 GAUGE.
- ALL LIGHT-GAUGE TRACKS AND CLIP ANGLES SHALL BE 14 GAUGE.

REFERENCE KEYNOTES

- 01 53 30 TEMPORARY FOUNDATION
- 05 12 56.G30 MC 7x19.1 C-CHANNEL
- 05 12 73.L46 TS 6x6x0.25 HOLLOW STEEL SECTION
- 05 12 73.L235 TS 6x3x0.3125 HOLLOW STEEL SECTION
- 05 12 73.L264 TS 6x2x0.125 HOLLOW STEEL SECTION
- 05 12 73.L267 TS 10x3x0.1875 HOLLOW STEEL SECTION
- 05 12 76.M5 W 6x12 STRUCTURAL STEEL FRAMING
- 05 41 00.A8 6" METAL STUD FRAMING 600S162-54 @ 24" O.C.
- 05 41 00.A10 8" METAL STUD FRAMING 800S162-54 @ 24" O.C.
- 06 16 00.D12 3/4" EXTERIOR GRADE PLYWOOD SHEATHING

SHEET KEYNOTES

- 3/4" CDX PLYWOOD SHEATHING OVER 8" METAL STUD FRAMING @ 24" O.C. WITH 1 1/4" SCREWS @ 12" O.C. (6" AT PERIMETER).



TEAM NAME: perFORM[D]ance House
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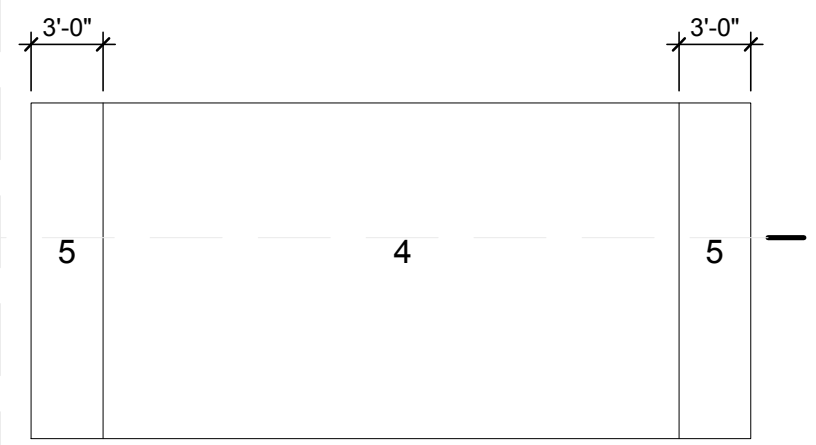
PAUL A. MARTINEZ, P.E.
 FLORIDA REG. NO. 42650

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1	2011-06-27	FIU PERMIT



WIND ZONES N.T.S.

WALL CLADDING PRESSURES

TRIB. AREA	ZONE	PRESSURES
10 S.F.	4 5	+50/-55 +50/-67
20 S.F.	4 5	+48/-52 +48/-62
50 S.F.	4 5	+45/-50 +45/-57
100 S.F.	4 5	+43/-47 +43/-52
200 S.F.	4 5	+41/-45 +41/-48

ORIGINAL PUBLISH DATE: 2011-03-22

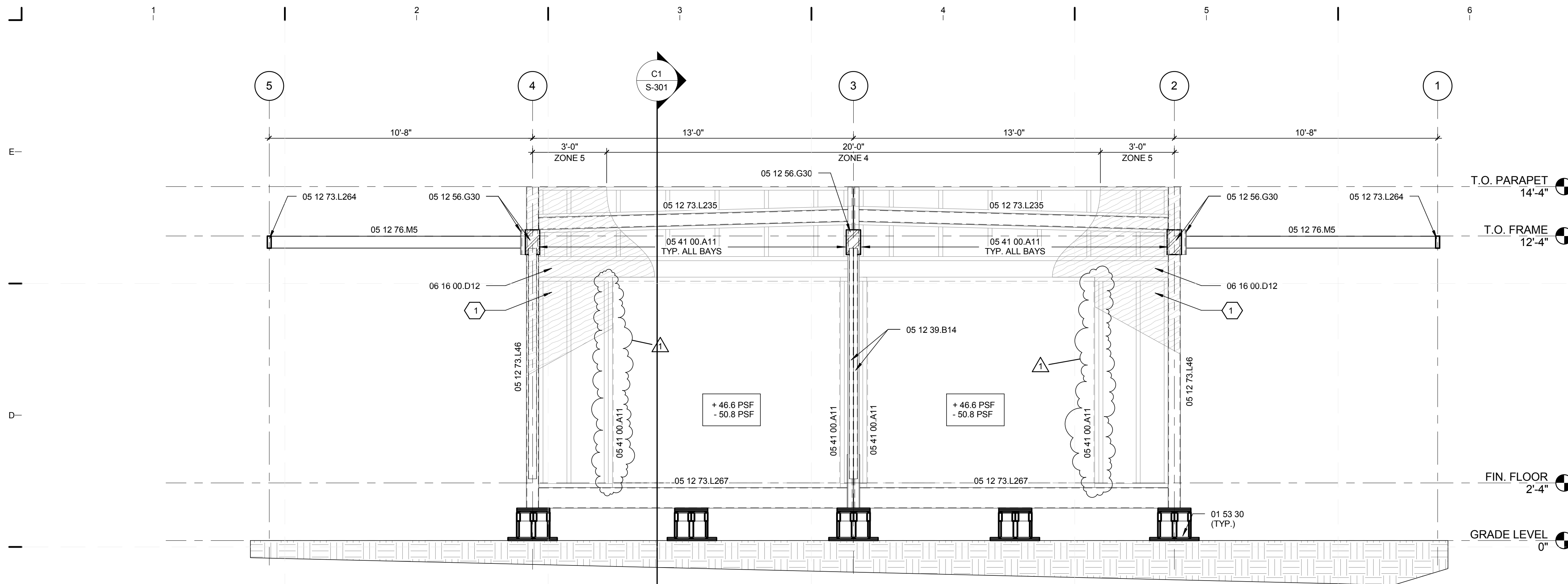
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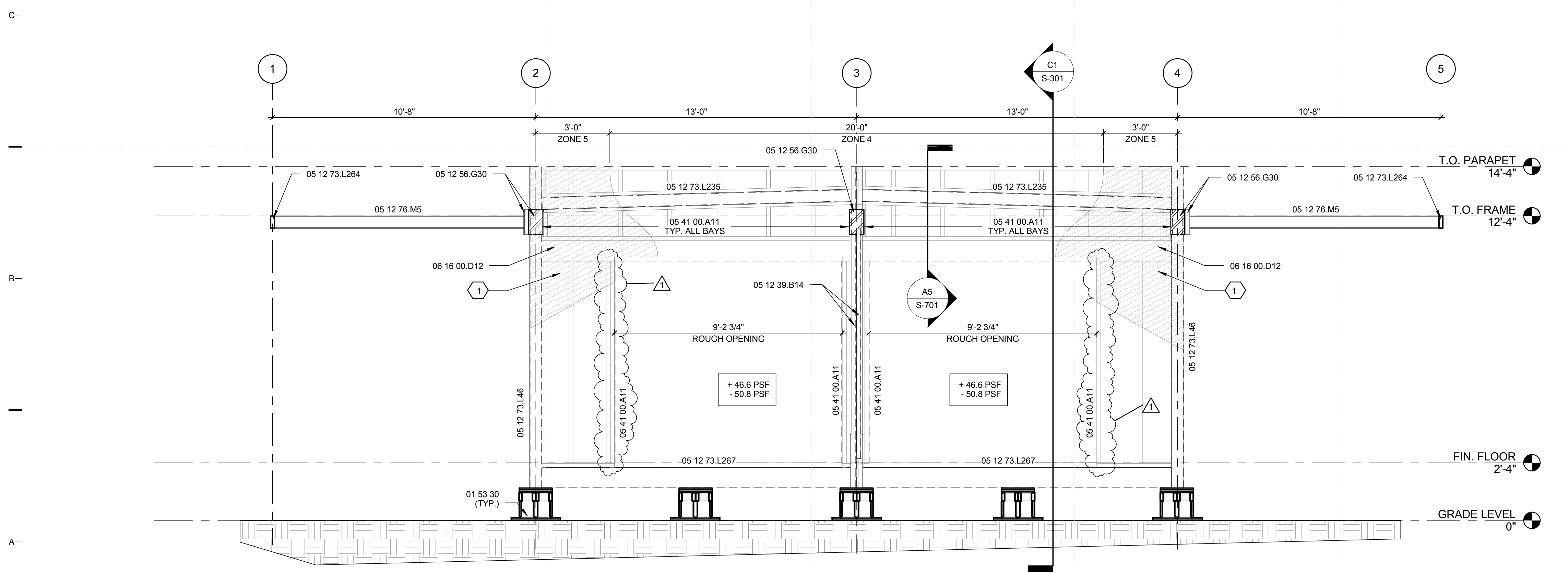
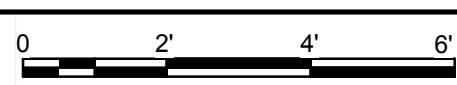
FRAMING ELEVATIONS

SHEET NUMBER
S-201

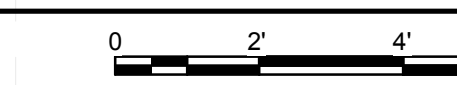
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C1 STRUCTURAL FRAMING ELEVATION - EAST
3/8" = 1'-0"



A1 STRUCTURAL FRAMING ELEVATION - WEST
3/8" = 1'-0"



GENERAL SHEET NOTES

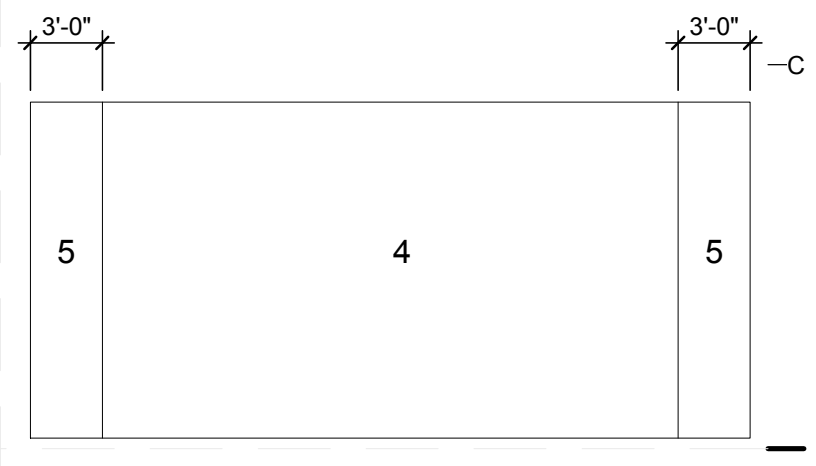
1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR DECK FRAMING NOT SHOWN FOR CLARITY.
3. ALL LIGHT-GAUGE STUD FRAMING SHALL BE 16 GAUGE.
4. ALL LIGHT-GAUGE TRACKS AND CLIP ANGLES SHALL BE 14 GAUGE.

REFERENCE KEYNOTES

- 01 53 30 TEMPORARY FOUNDATION
- 05 12 39.B14 C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
- 05 12 56.G30 MC 7x19.1 C-CHANNEL
- 05 12 73.L46 TS 6x6x0.25 HOLLOW STEEL SECTION
- 05 12 73.L235 TS 6x3x0.3125 HOLLOW STEEL SECTION
- 05 12 73.L264 TS 6x2x0.125 HOLLOW STEEL SECTION
- 05 12 73.L267 TS 10x3x0.1875 HOLLOW STEEL SECTION
- 05 12 76.M5 W 6x12 STRUCTURAL STEEL FRAMING
- 05 41 00.A11 10" METAL STUD FRAMING 1000S162-54 @ 24" O.C.
- 06 16 00.D12 3/4" EXTERIOR GRADE PLYWOOD SUBFLOOR SHEATHING

SHEET KEYNOTES

1. 3/4" CDX PLYWOOD SHEATHING OVER 8" METAL STUD FRAMING @ 24" O.C. WITH 1 1/4" SCREWS @ 12" O.C. (6" AT PERIMETER).



WIND ZONES N.T.S.

WALL CLADDING PRESSURES

TRIB. AREA	ZONE	PRESSURES
10 S.F.	4 5	+50/-55 +50/-67
20 S.F.	4 5	+48/-52 +48/-62
50 S.F.	4 5	+45/-50 +45/-57
100 S.F.	4 5	+43/-47 +43/-52
200 S.F.	4 5	+41/-45 +41/-48



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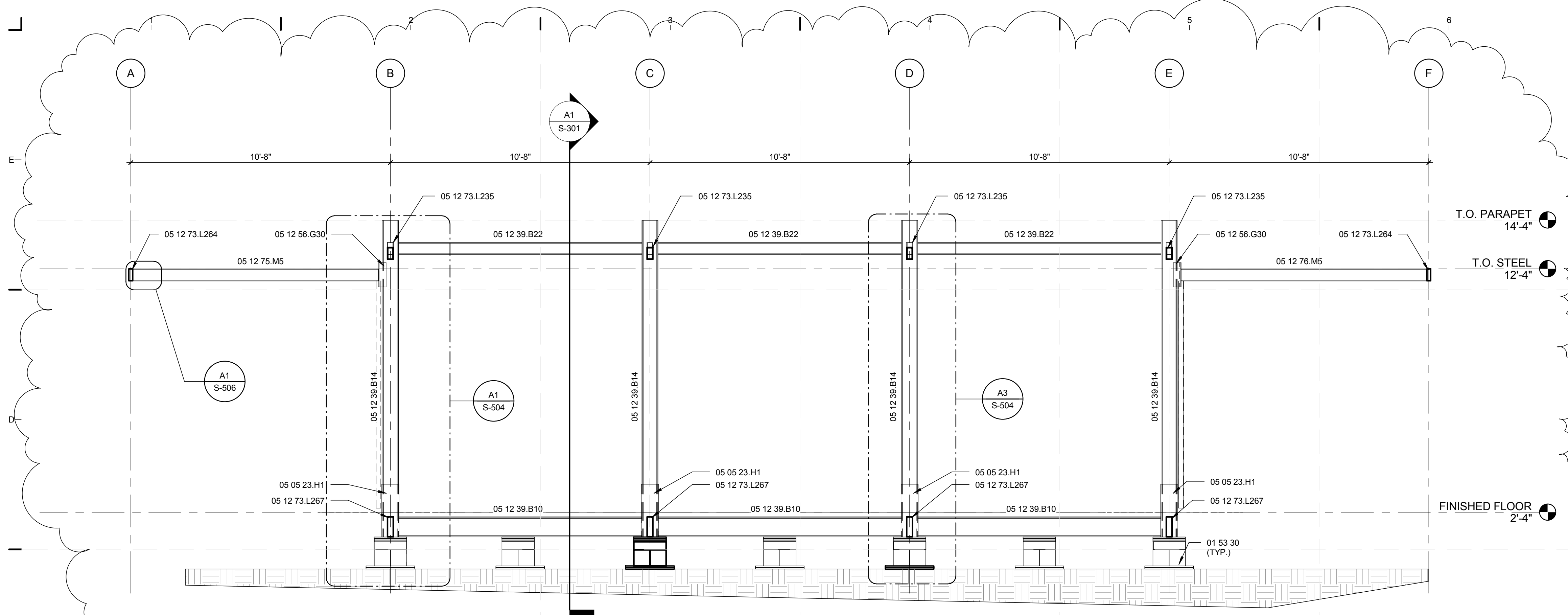
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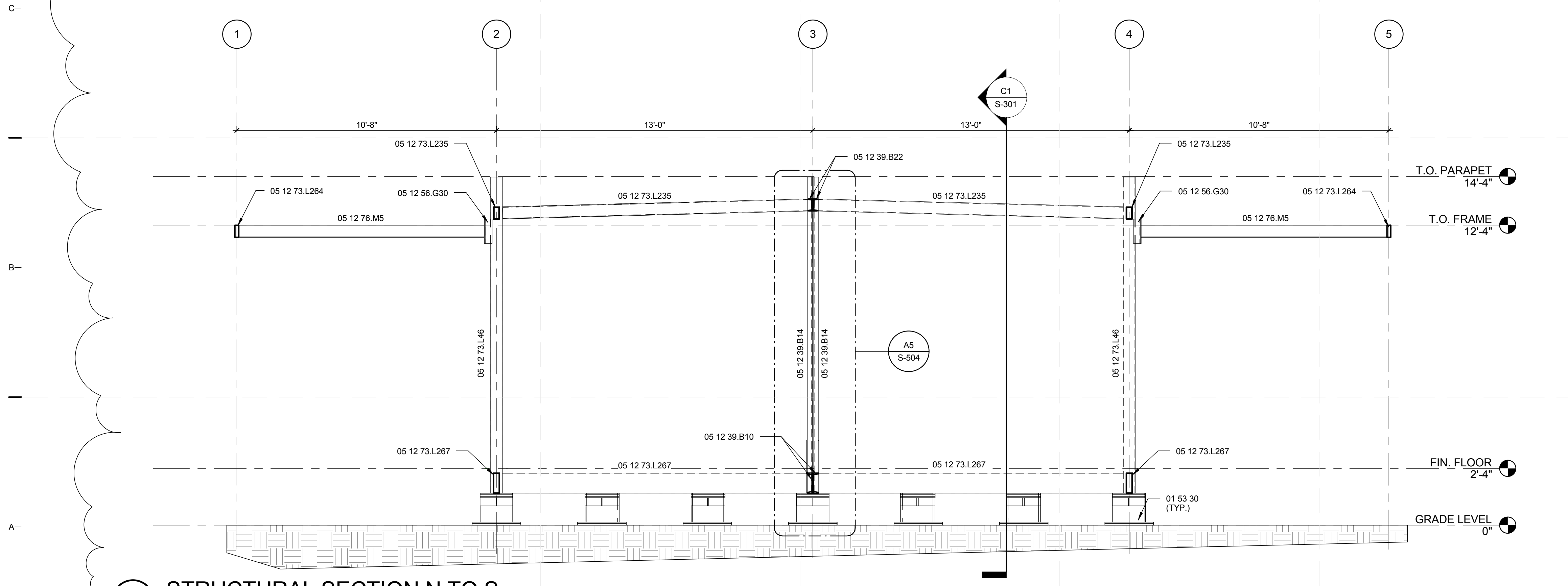
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SHEET TITLE
FRAMING ELEVATIONS
 SHEET NUMBER
S-202

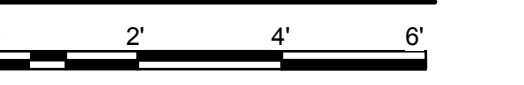
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C1 STRUCTURAL SECTION E TO W
3/8" = 1'-0"



A1 STRUCTURAL SECTION N TO S
3/8" = 1'-0"

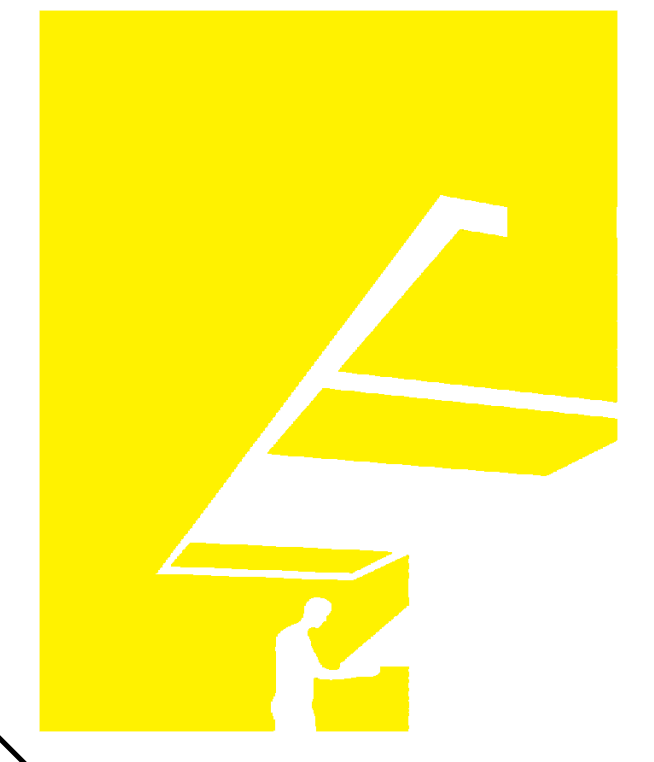


GENERAL SHEET NOTES

- FOR GENERAL NOTES REFER TO SHEET S-001.
- FOR DECK FRAMING NOT SHOWN FOR CLARITY.

REFERENCE KEYNOTES

- 01 53 30 TEMPORARY FOUNDATION
- 05 05 23.H1 3/8" x 8 1/2" x 2'-2" STEEL PLATE
- 05 12 39.B14 C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
- 05 12 39.B10 C 10x15.3 STRUCTURAL STEEL FRAMING
- 05 12 39.B22 C 6x8.2 STRUCTURAL STEEL FRAMING
- 05 12 56.G30 MC 7x19.1 C-CHANNEL
- 05 12 73.L46 TS 6x6x0.25 HOLLOW STEEL SECTION
- 05 12 73.L235 TS 6x3x0.3125 HOLLOW STEEL SECTION
- 05 12 73.L264 TS 6x2x0.125 HOLLOW STEEL SECTION
- 05 12 73.L267 TS 10x3x0.1875 HOLLOW STEEL SECTION
- 05 12 76.M5 W 6x12 STRUCTURAL STEEL FRAMING



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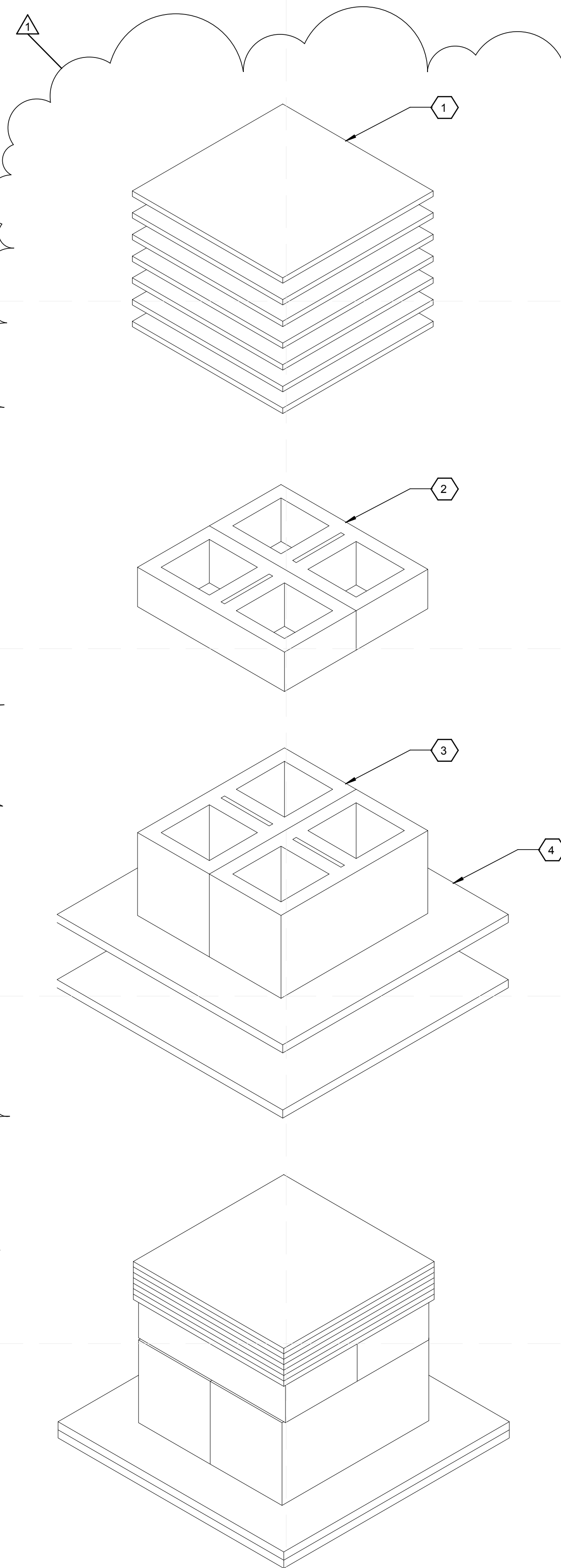
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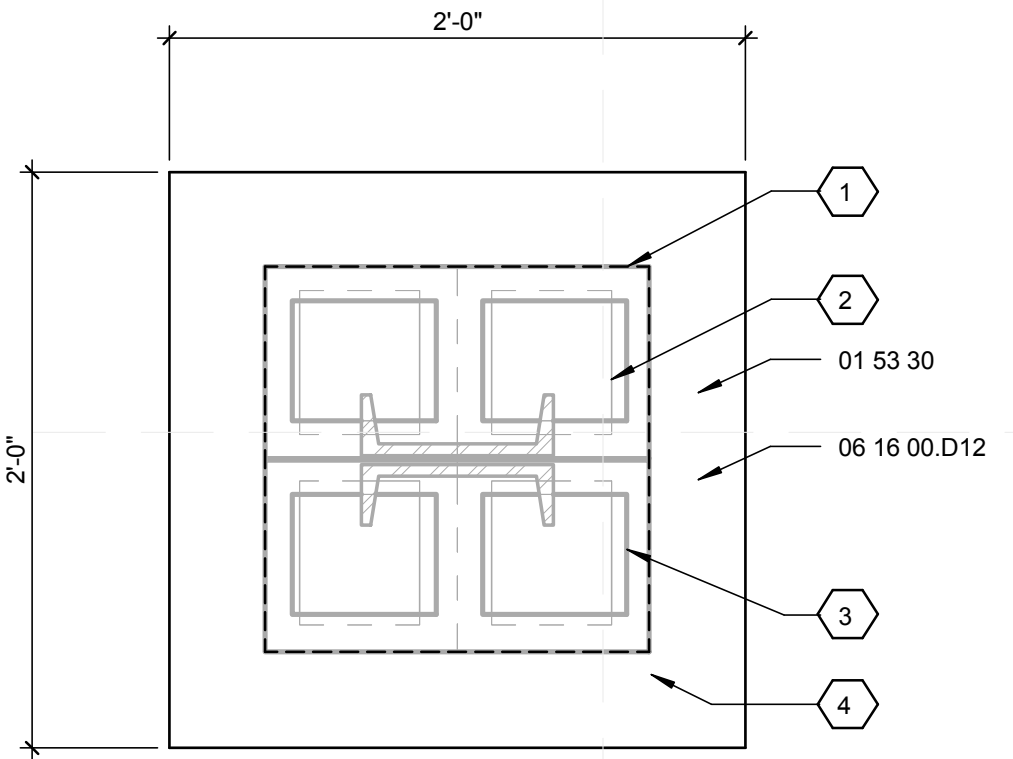
SHEET TITLE
FRAMING SECTIONS
SHEET NUMBER
S-301

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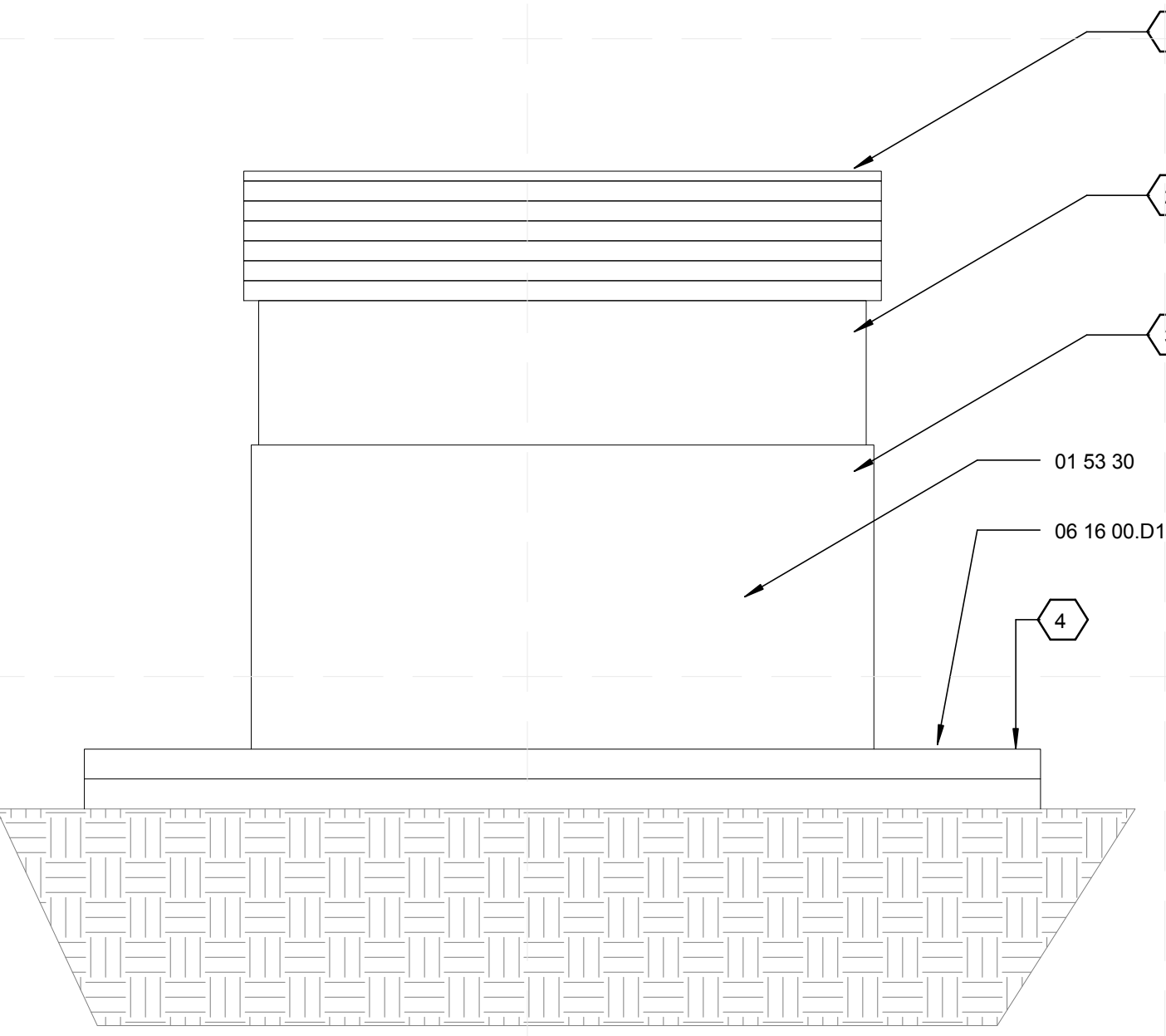
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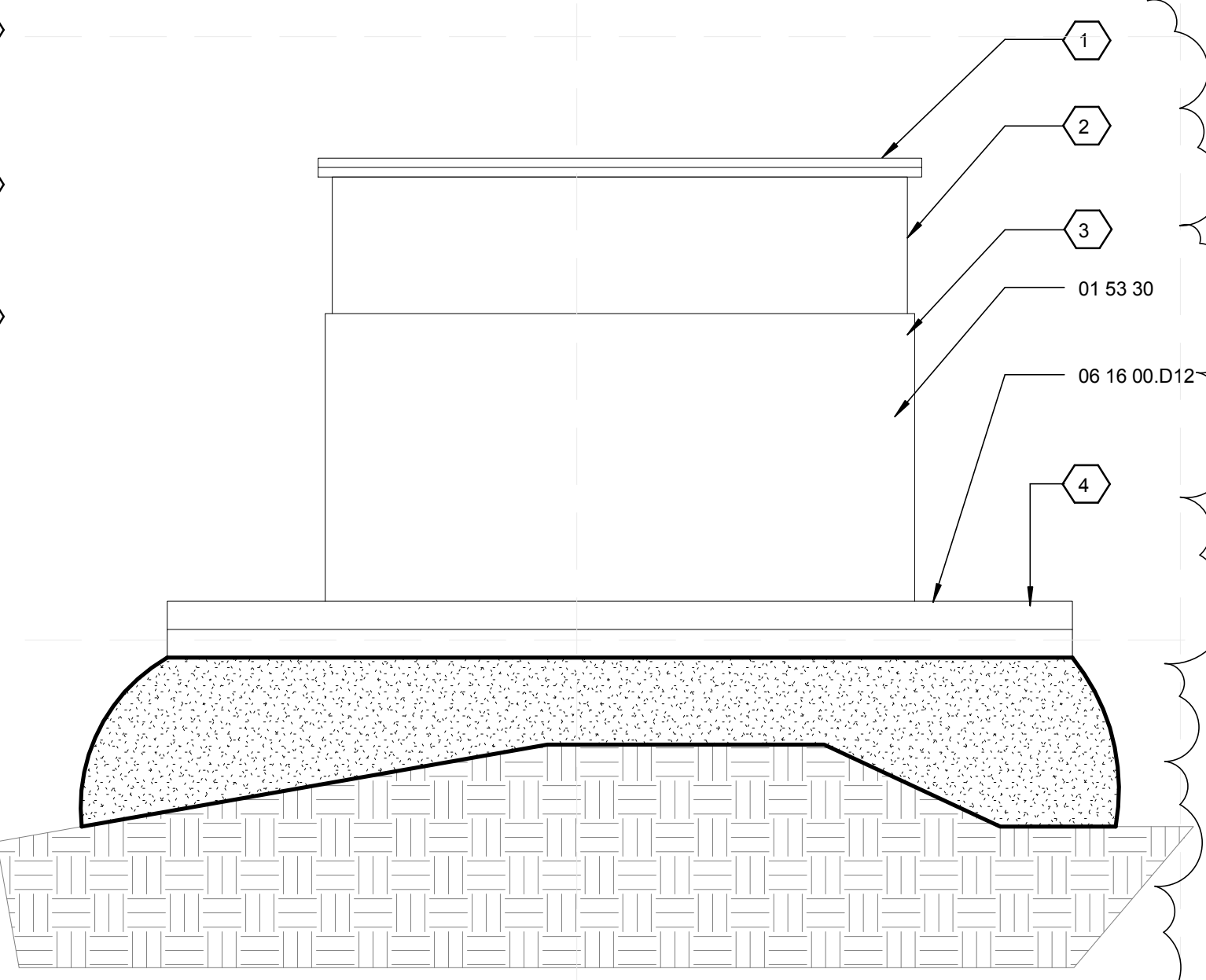
A1 STRUCTURAL FOUNDATION ASSEMBLY
1 1/2" = 1'-0"



D2 STRUCTURAL FOUNDATION DETAIL
1 1/2" = 1'-0"



A2 STRUCTURAL FOUNDATION
3" = 1'-0"



A4 STRUCTURAL FOUNDATION
3" = 1'-0"

GENERAL SHEET NOTES

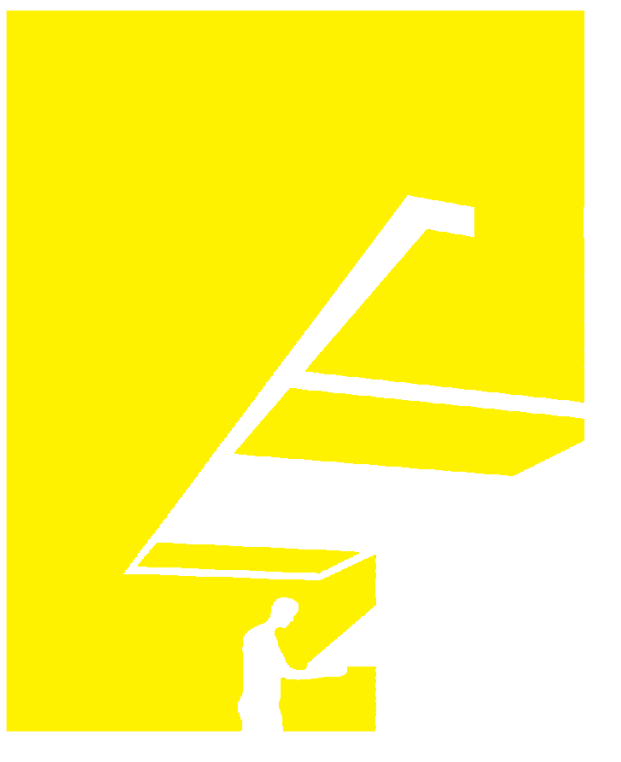
1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR HOUSE FOUNDATION PLAN REFER TO SHEET S-101.
3. FOR DECK FOUNDATION PLAN REFER TO SHEET S-111.

REFERENCE KEYNOTES

01 53 30 TEMPORARY FOUNDATION
06 16 00.D12 3/4" EXTERIOR GRADE PLYWOOD

SHEET KEYNOTES

1. 16" x 16" x 1/2" PLYWOOD, TO ADJUST FOR HEIGHT.
2. TWO (2) 8" x 4" x 16" CMU BLOCKS.
3. TWO (2) 8" x 8" x 16" CMU BLOCKS.
4. TWO (2) LAYERS 24" X 24" OF 3/4" EXTERIOR GRADE PLYWOOD.



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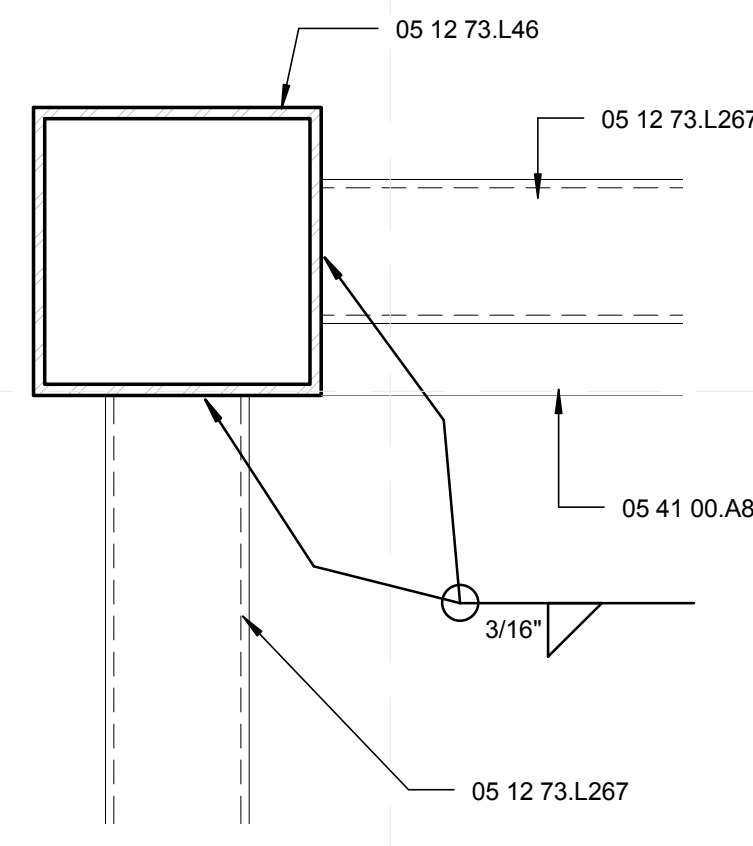
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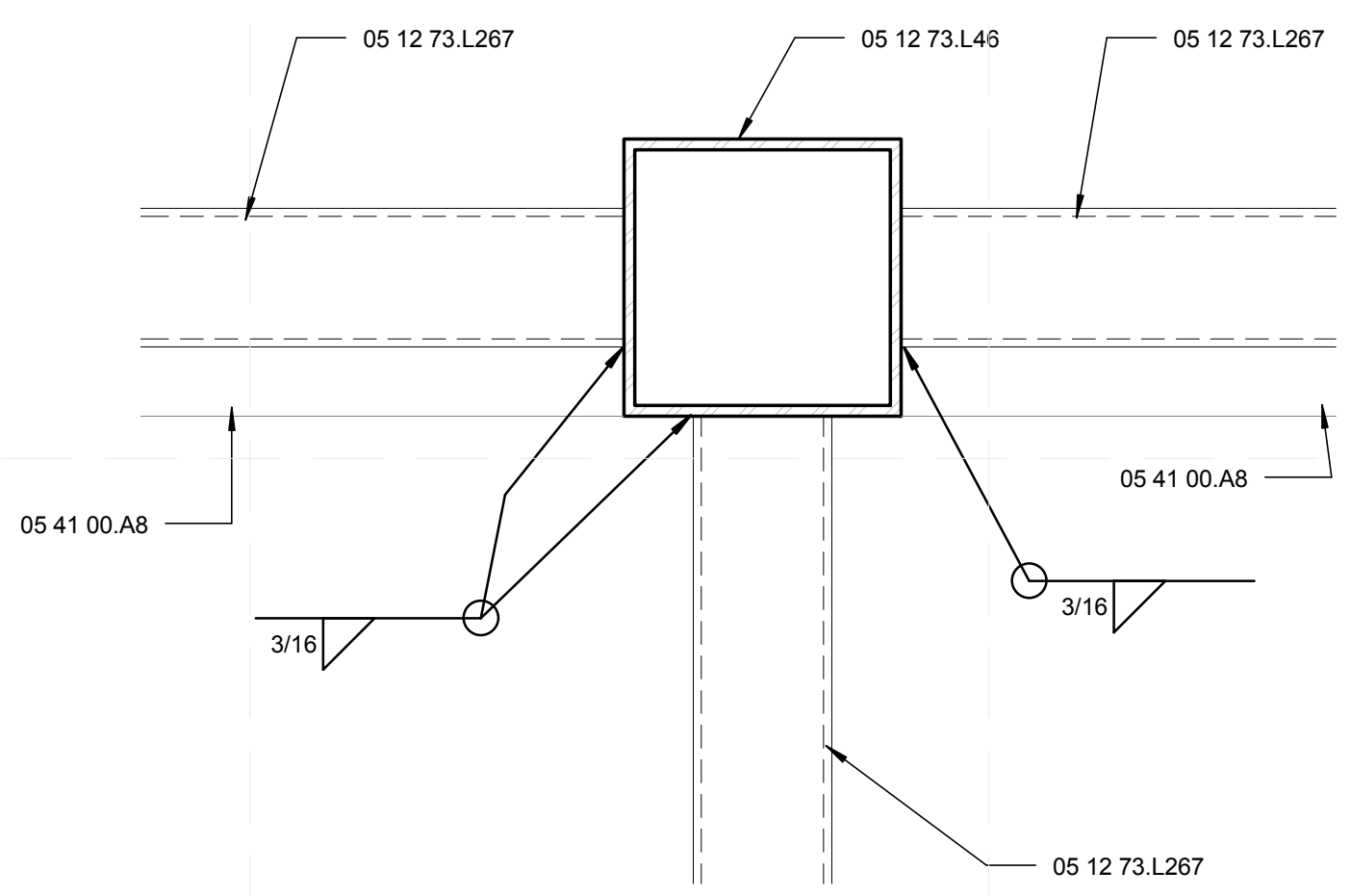
FOUNDATION PLAN DETAILS

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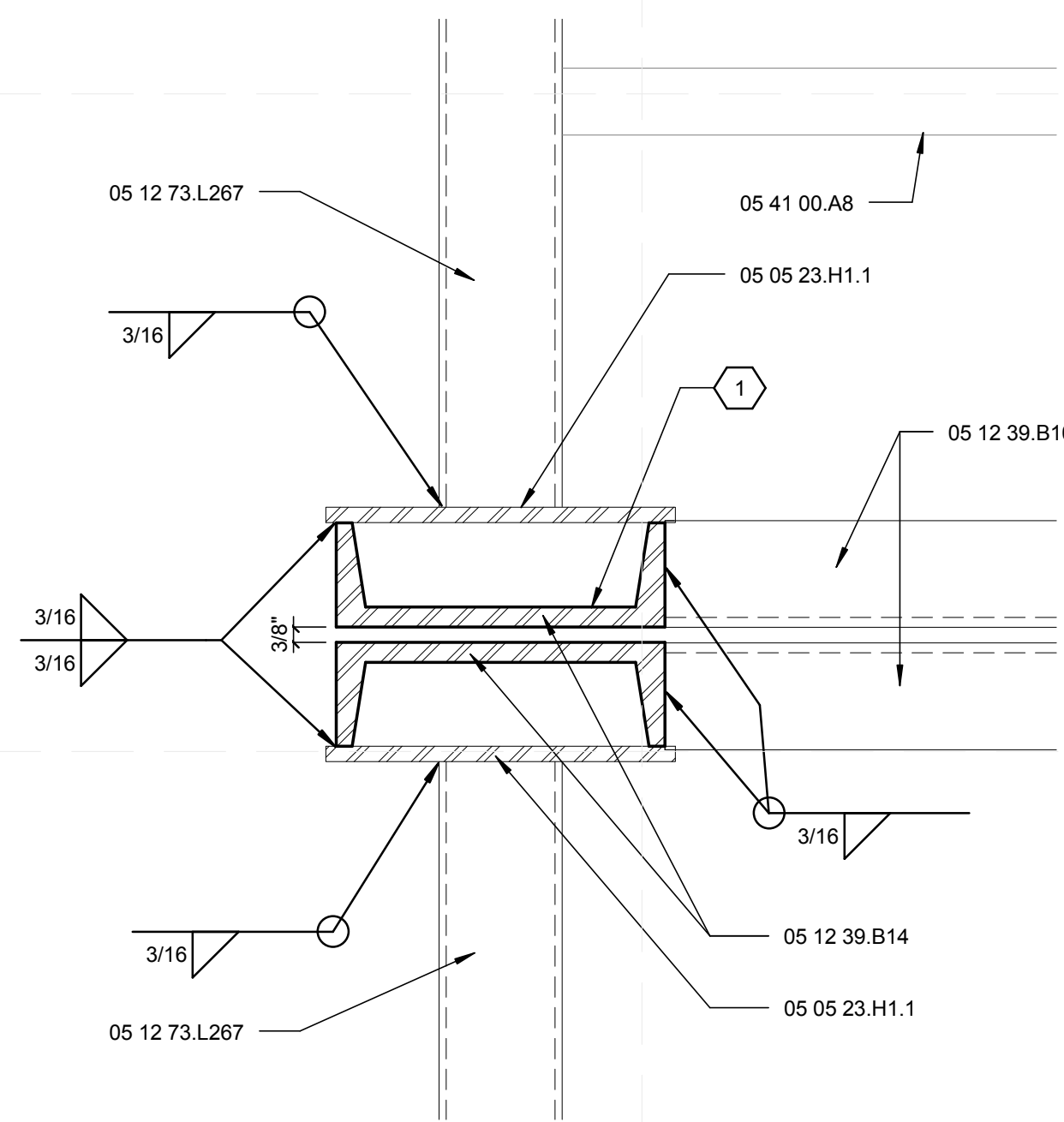
S-501



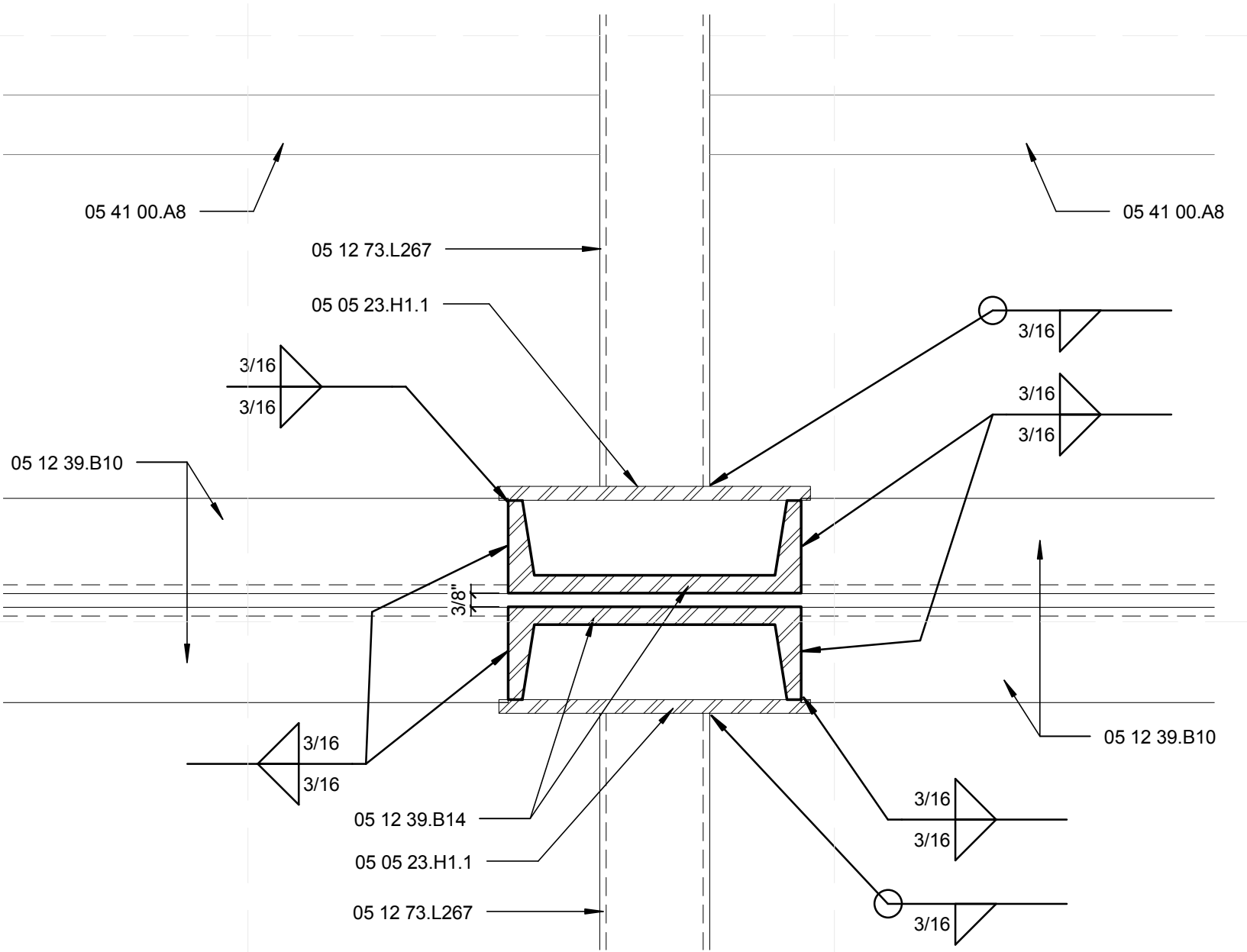
D1 STRUCTURAL FLOOR PLAN DETAIL
3" = 1'-0"



D4 STRUCTURAL FLOOR PLAN DETAIL
3" = 1'-0"



A1 STRUCTURAL FLOOR PLAN DETAIL
3" = 1'-0"



A4 STRUCTURAL FLOOR PLAN DETAIL
3" = 1'-0"

GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR FLOOR FRAMING PLAN REFER TO SHEET S-103.
3. ALL LIGHT-GAUGE STUD FRAMING SHALL BE 16 GAUGE.
4. ALL LIGHT-GAUGE TRACKS AND CLIP ANGLES SHALL BE 14 GAUGE.
5. LIGHT-GAUGE STEEL FRAMING TO BE SECURED TO STRUCTURAL STEEL USING 0.145" DIA. POWER ACTUATED FASTENERS.

REFERENCE KEYNOTES

- 05 05 23.H1.1 3/8" x 8 1/2" x 2'-2" STEEL PLATE
- 05 12 39.B14 C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
- 05 12 39.B10 C 10x15.3 STRUCTURAL STEEL FRAMING
- 05 12 73.L46 TS 6x6x0.25 HOLLOW STEEL SECTION
- 05 12 73.L267 TS 10x3x0.1875 HOLLOW STEEL SECTION
- 05 41 00.A8 6" METAL STUD FRAMING 600S162-54 @ 24" O.C.

SHEET KEYNOTES

1. BOLT DOUBLE C-CHANNEL COLUMNS AT 5 LOCATIONS, EQUALLY SPACED NOT TO EXCEED 48" O.C. WITH 3/4" THROUGH BOLTS, SNUG-TIGHTENED, REFER TO SHEET S-504.



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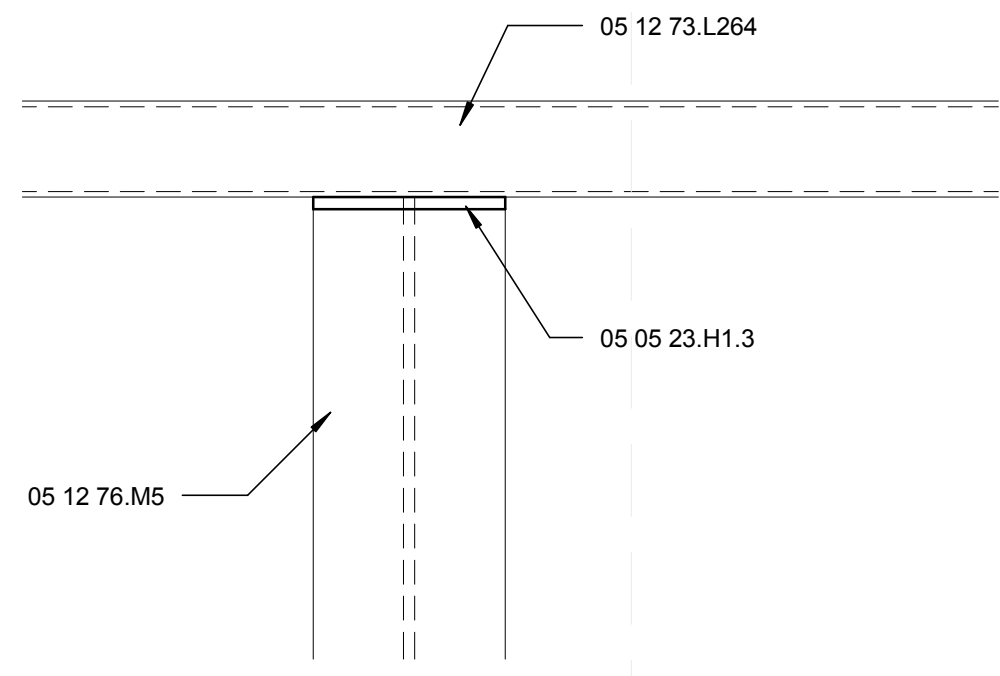
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STRUCTURAL FLOOR PLAN DETAILS

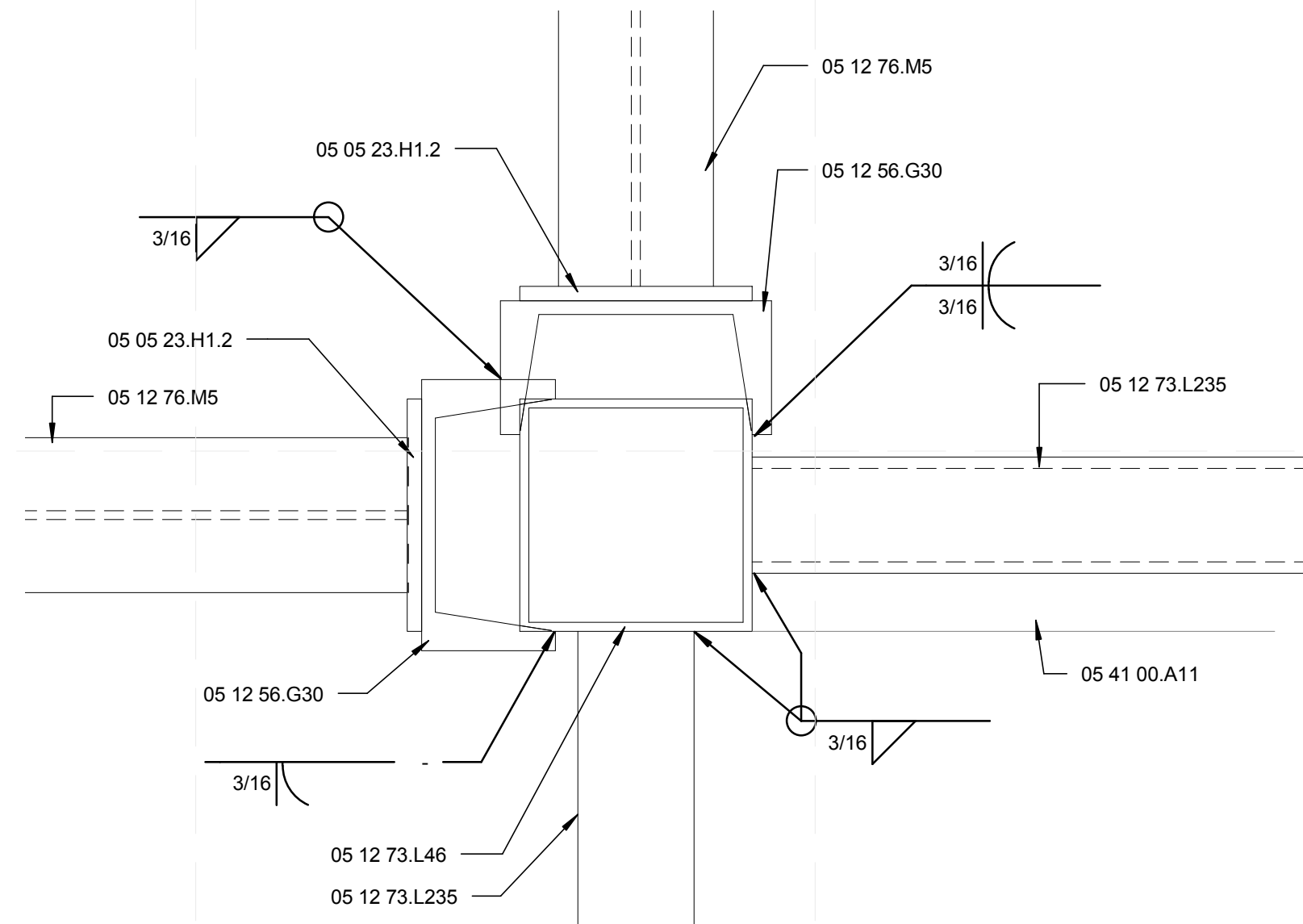
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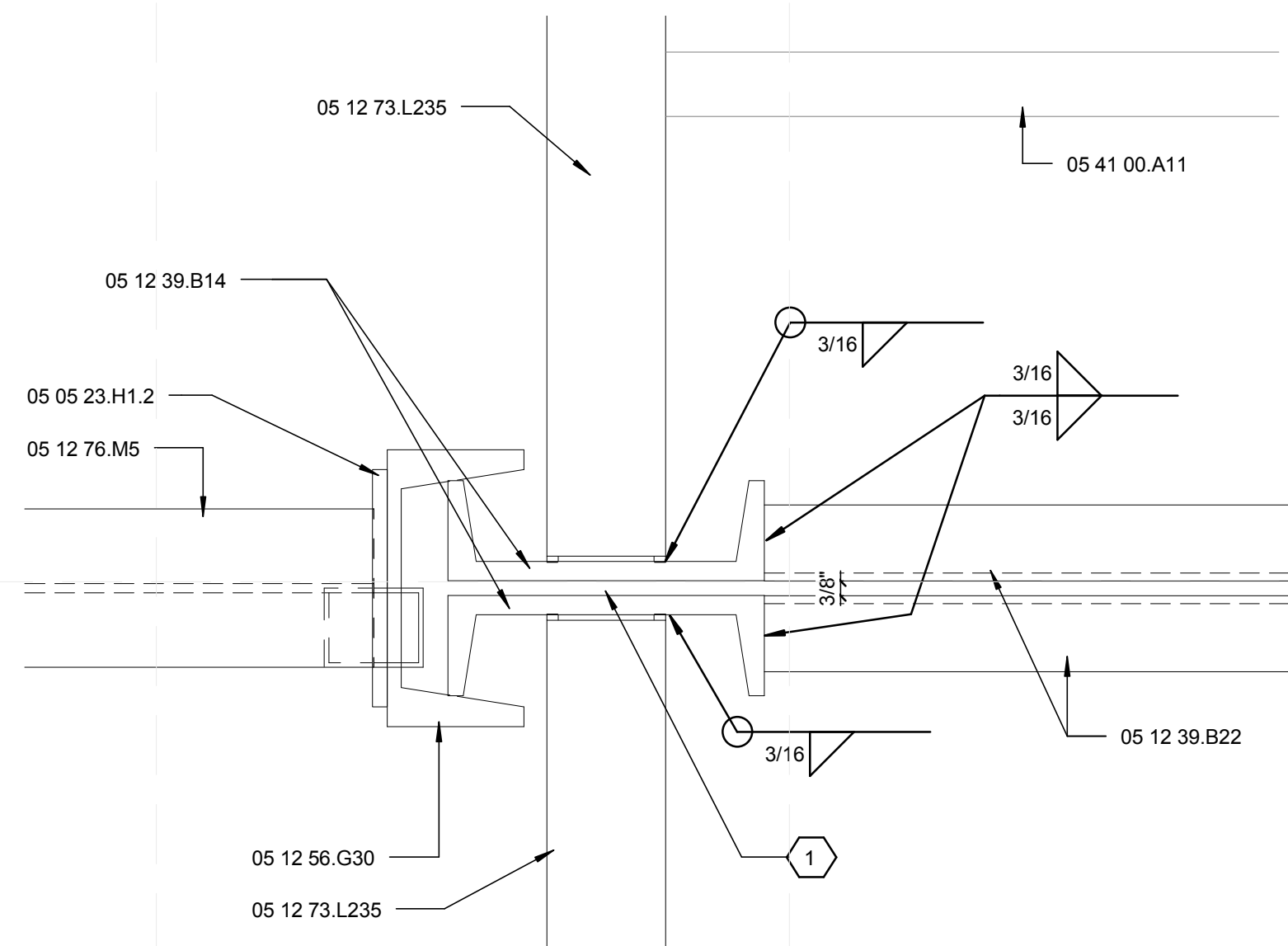
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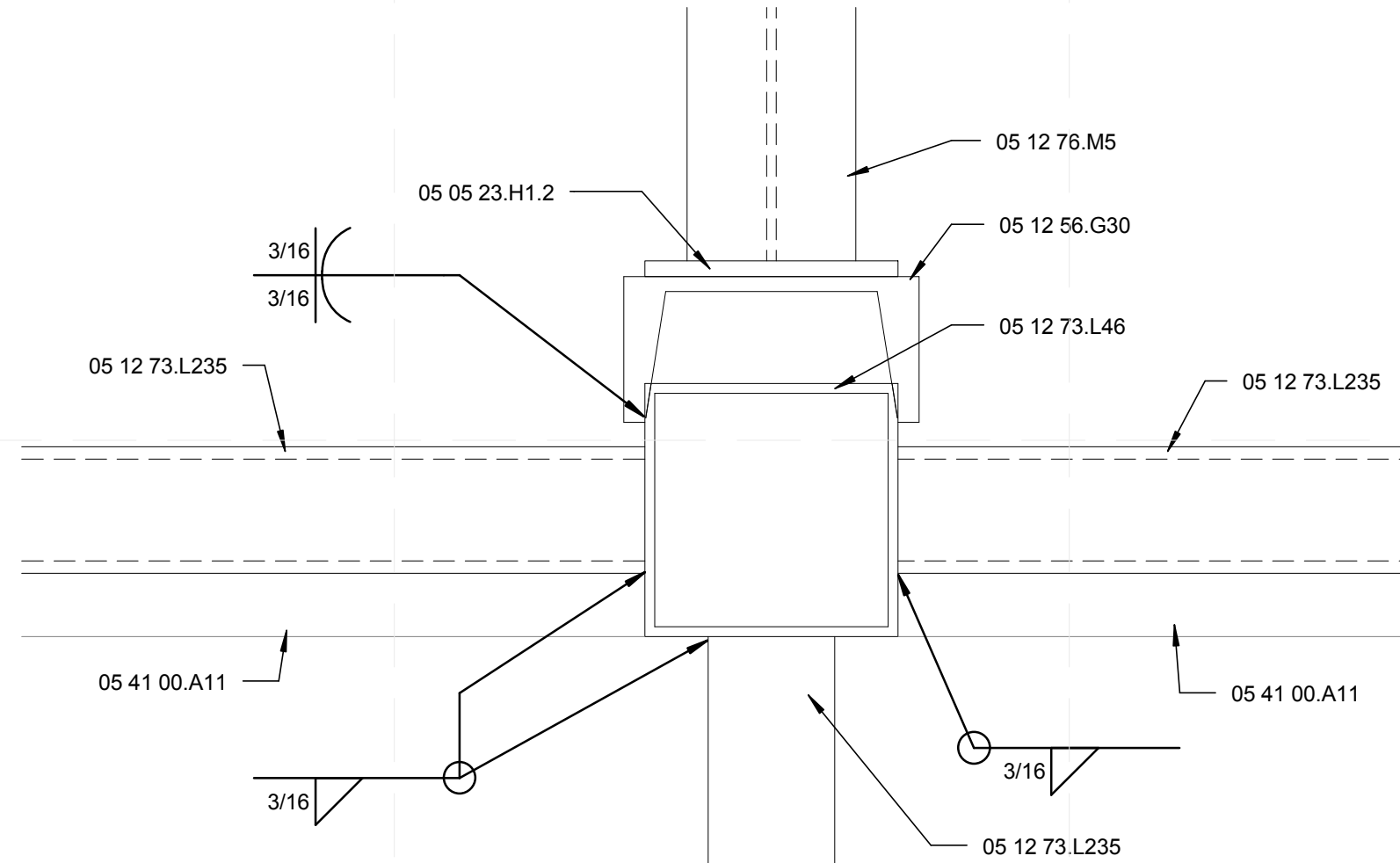
D1 STRUCTURAL ROOF PLAN DETAIL
3" = 1'-0"



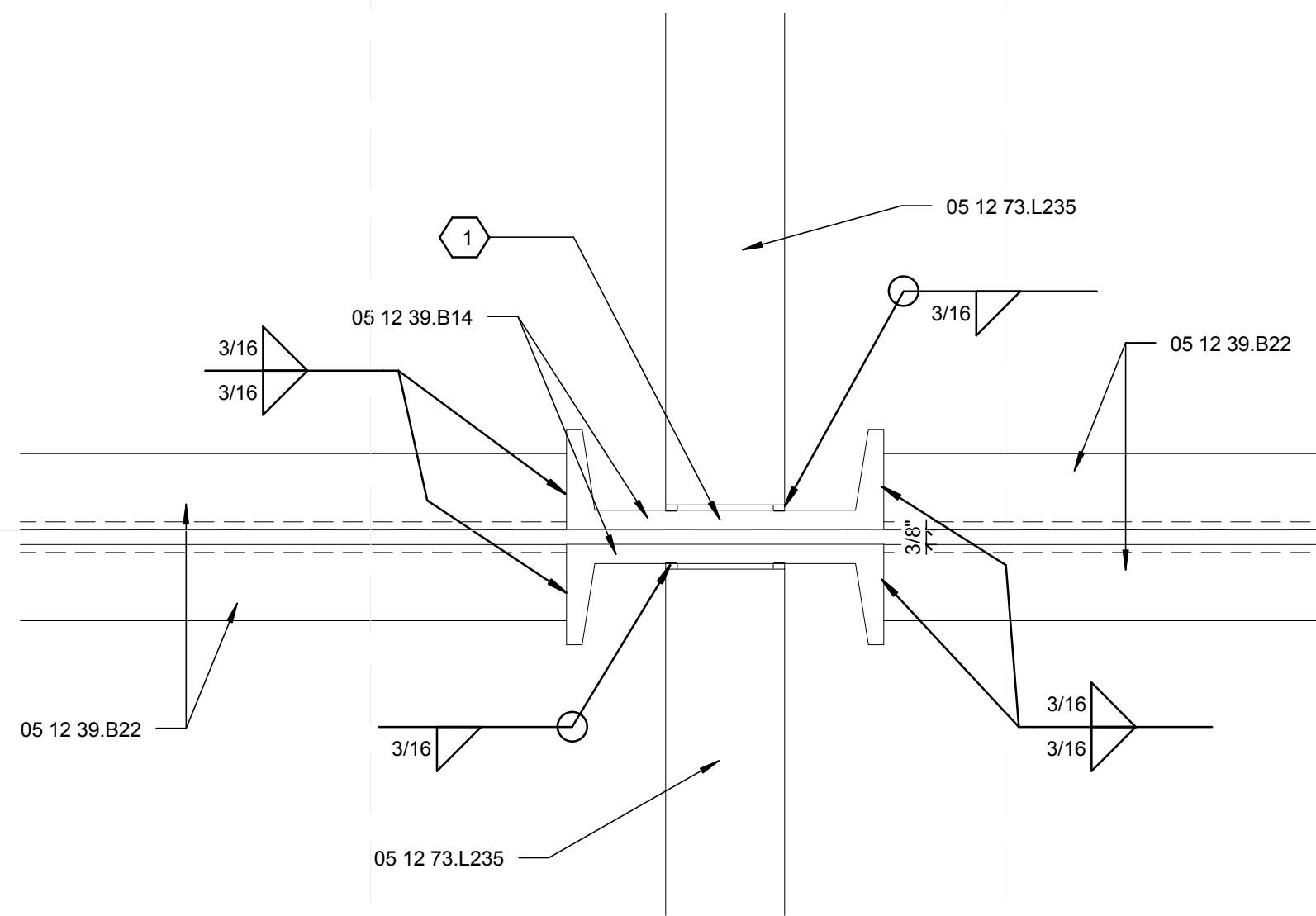
C1 STRUCTURAL ROOF PLAN DETAIL
3" = 1'-0"



A1 STRUCTURAL ROOF PLAN DETAIL
3" = 1'-0"



C4 STRUCTURAL ROOF PLAN DETAIL
3" = 1'-0"



A4 STRUCTURAL ROOF PLAN DETAIL
3" = 1'-0"

GENERAL SHEET NOTES

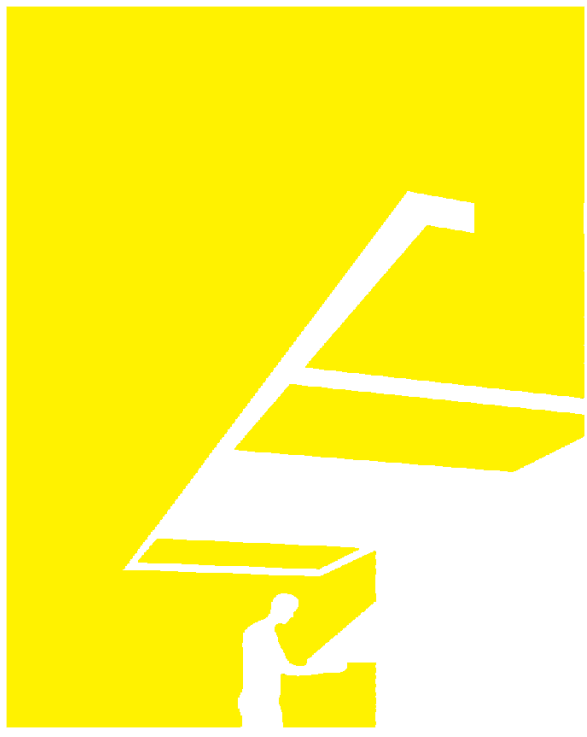
1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR ROOF FRAMING PLAN REFER TO SHEET S-104.
3. ALL LIGHT-GAUGE STUD FRAMING SHALL BE 16 GAUGE.
4. ALL LIGHT-GAUGE TRACKS AND CLIP ANGLES SHALL BE 14 GAUGE.
5. LIGHT-GAUGE STEEL FRAMING TO BE SECURED TO STRUCTURAL STEEL USING 0.145" DIA. POWER ACTUATED FASTENERS.

REFERENCE KEYNOTES

05 05 23.H1.2	3/8" x 6" x 1'-0" STEEL PLATE
05 05 23.H1.3	3/8" x 4" x 6" STEEL PLATE
05 12 39.B14	C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
05 12 39.B22	MC 7x19.1 C-CHANNEL
05 12 56.G30	TS 6x6x0.25 HOLLOW STEEL SECTION
05 12 73.L46	TS 6x3x0.3125 HOLLOW STEEL SECTION
05 12 73.L235	TS 6x2x0.125 HOLLOW STEEL SECTION
05 12 76.M5	W 6x12 STRUCTURAL STEEL FRAMING
05 41 00.A11	10" METAL STUD FRAMING 1000S162-54 @ 24" O.C.

SHEET KEYNOTES

1. BOLT DOUBLE C-CHANNEL COLUMNS AT 5 LOCATIONS, EQUALLY SPACED NOT TO EXCEED 48" O.C. WITH 3/4" THROUGH BOLTS, SNUG-TIGHTENED, REFER TO SHEET S-504.



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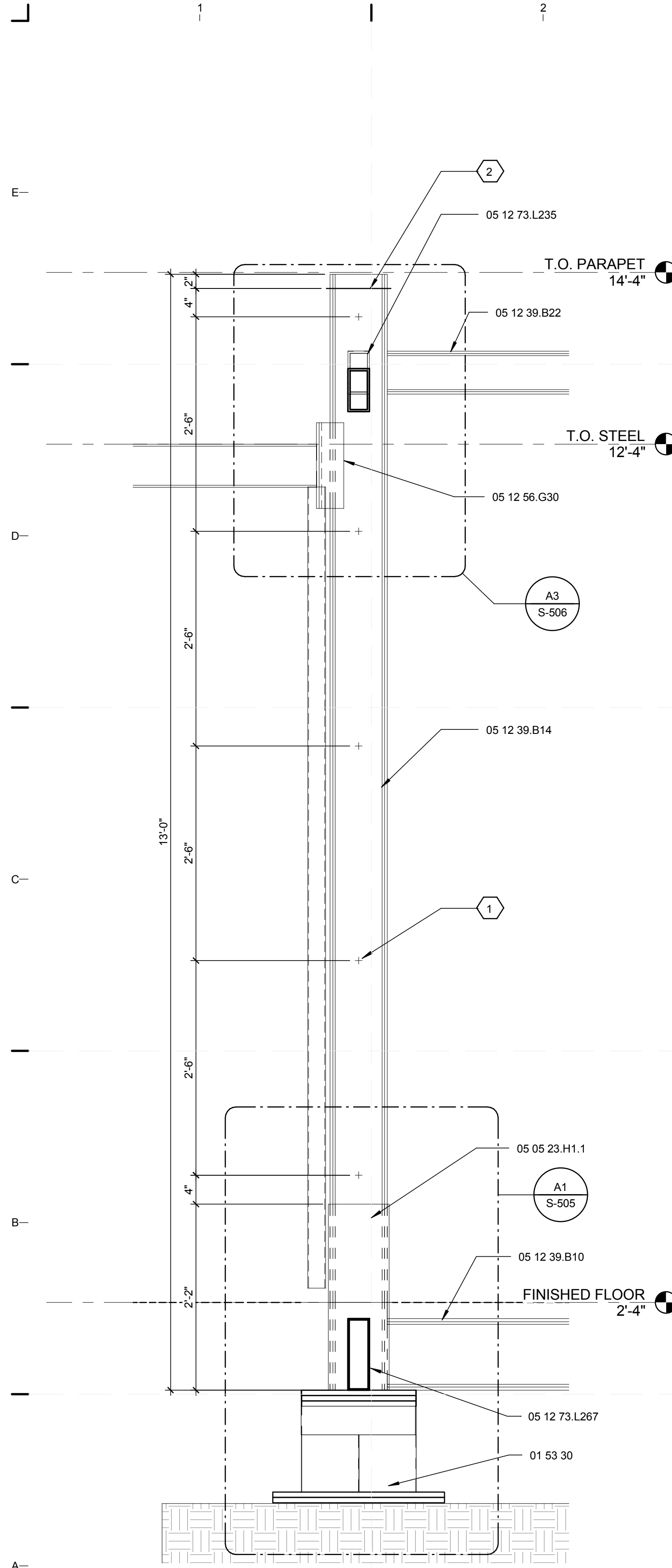
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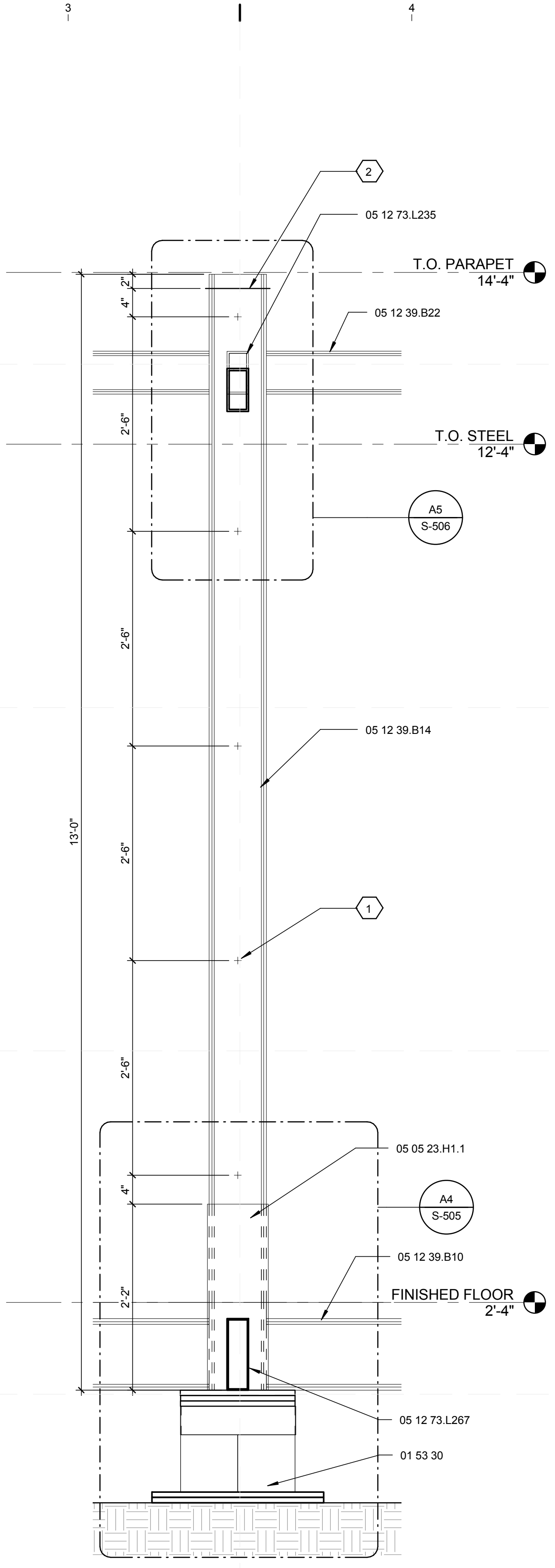
STRUCTURAL ROOF PLAN DETAILS

SHEET NUMBER

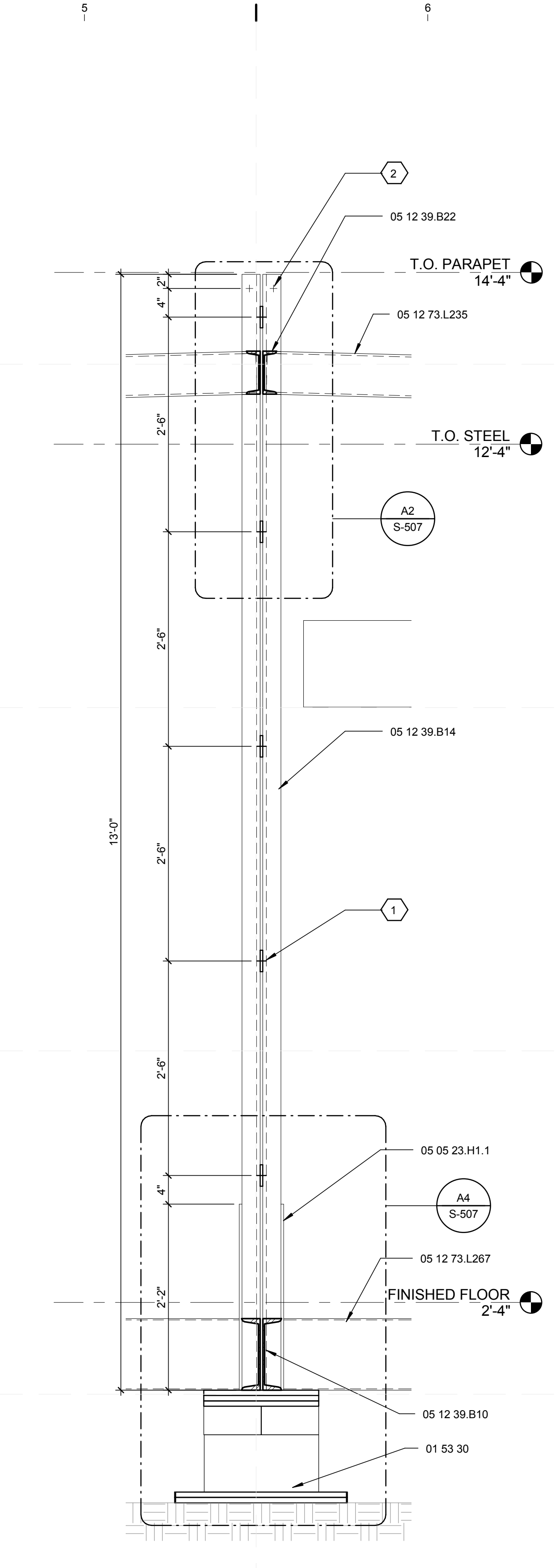
S-503



A1 STRUCTURAL SECTION
1" = 1'-0"



A3 STRUCTURAL SECTION
1" = 1'-0"



A5 STRUCTURAL SECTION
1" = 1'-0"

GENERAL SHEET NOTES

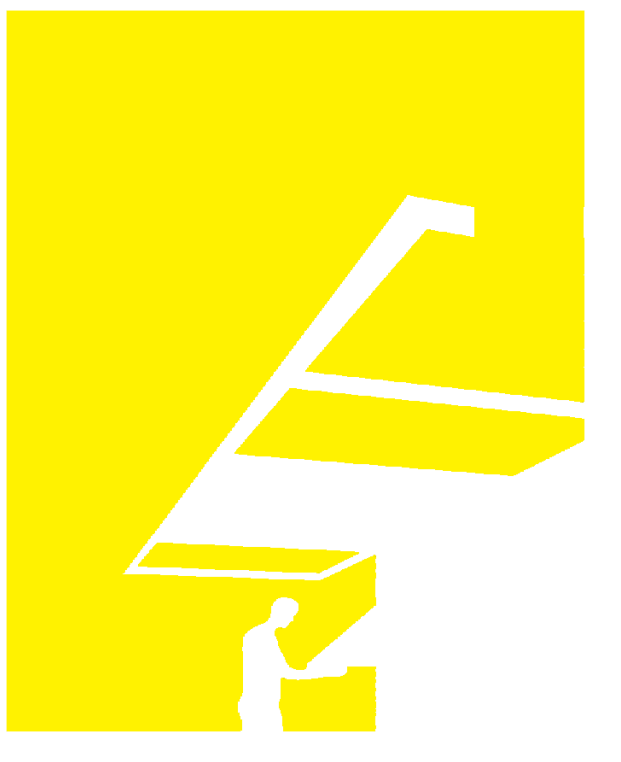
- FOR GENERAL NOTES REFER TO SHEET S-001.
- FOR STRUCTURAL SECTIONS REFER TO SHEET S-301.

REFERENCE KEYNOTES

01 53 30	TEMPORARY FOUNDATION
05 05 23.H1.1	3/8" x 8 1/2" x 2'-2" STEEL PLATE
05 12 39.B10	C 10x15.3 STRUCTURAL STEEL FRAMING
05 12 39.B14	C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
05 12 39.B22	C 6x8.2 STRUCTURAL STEEL FRAMING
05 12 56.G30	MC 7x19.1 C-CHANNEL
05 12 73.L235	TS 6x3x0.3125 HOLLOW STEEL SECTION
05 12 73.L267	TS 10x3x0.1875 HOLLOW STEEL SECTION
05 12 76.M5	W 6x12 STRUCTURAL STEEL FRAMING

SHEET KEYNOTES

- BOLT DOUBLE C-CHANNEL COLUMNS AT 5 LOCATIONS, EQUALLY SPACED NOT TO EXCEED 48" O.C. WITH 3/4" THROUGH BOLTS, SNUG-TIGHTENED. PROVIDE 3/8" x 3" H x 8" W STEEL PLATE SPACER AT LOCATION OF EACH BOLT.
- PROVIDE 3/4" BOLT FOR LIFTING. REFER TO SHEET S-508



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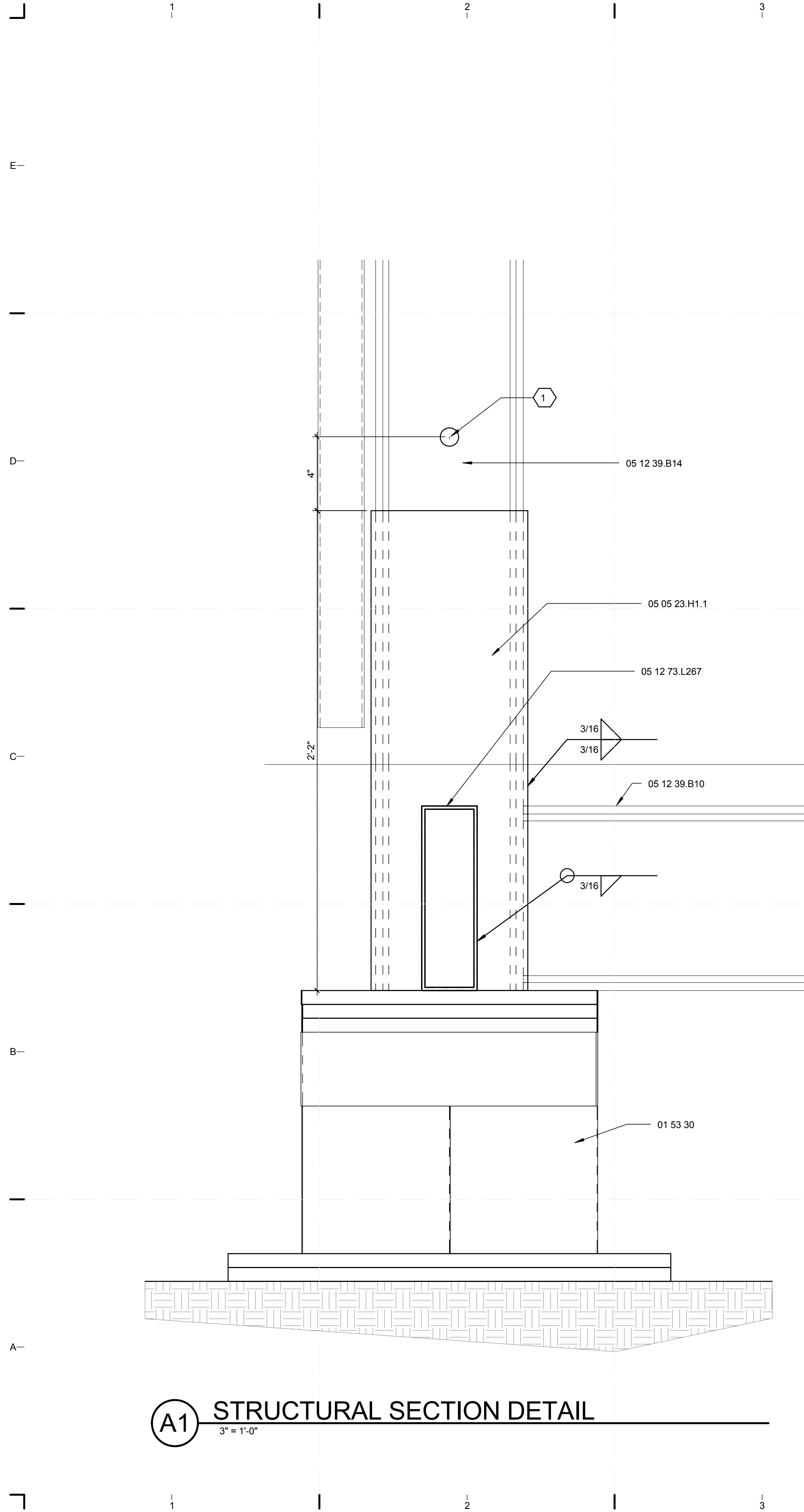
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STRUCTURAL SECTION DETAILS

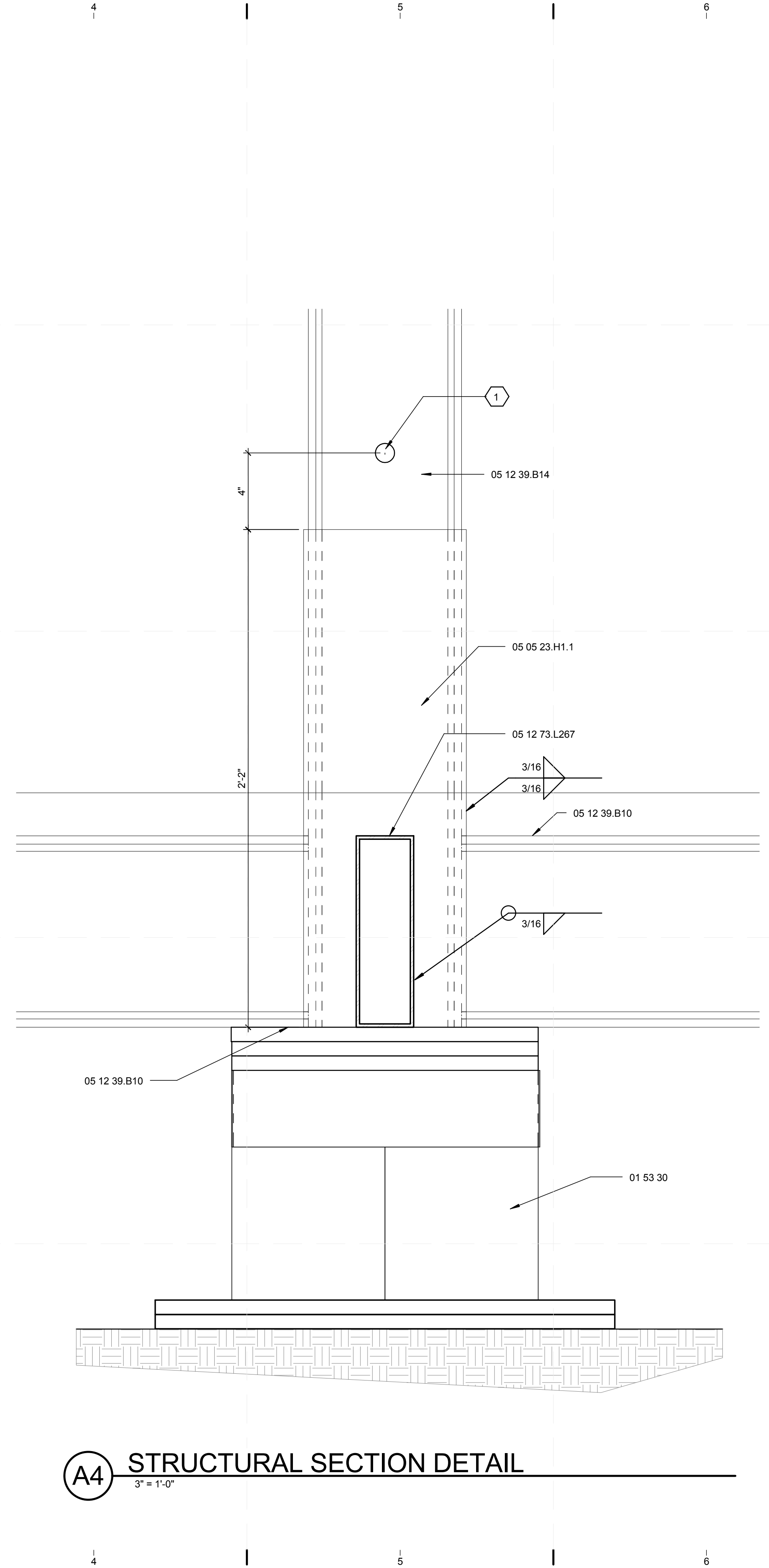
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S-504

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A1 STRUCTURAL SECTION DETAIL
 3" = 1'-0"



A4 STRUCTURAL SECTION DETAIL
 3" = 1'-0"

GENERAL SHEET NOTES

- FOR GENERAL NOTES REFER TO SHEET S-001.
- FOR STRUCTURAL SECTIONS REFER TO SHEET S-301.

REFERENCE KEYNOTES

01 53 30	TEMPORARY FOUNDATION
05 05 23.H1.1	3/8" x 8 1/2" x 2'-2" STEEL PLATE
05 12 39.B10	C 10x15.3 STRUCTURAL STEEL FRAMING
05 12 39.B14	C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
05 12 73.L267	TS 10x3x0.1875 HOLLOW STEEL SECTION

SHEET KEYNOTES

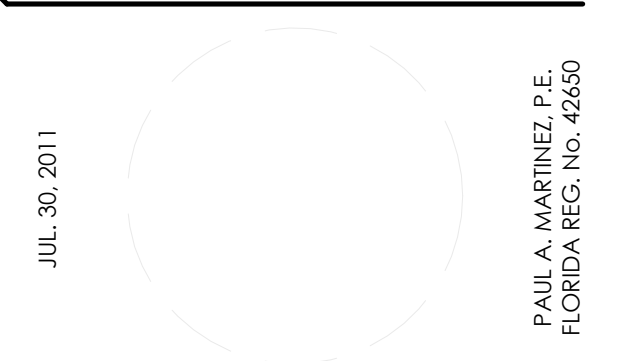
- BOLT DOUBLE C-CHANNEL COLUMNS AT 5 LOCATIONS, EQUALLY SPACED NOT TO EXCEED 48" O.C. WITH 3/4" THROUGH BOLTS, SNUG-TIGHTENED, REFER TO SHEET S-504.



TEAM NAME: perFORM[D]ance House
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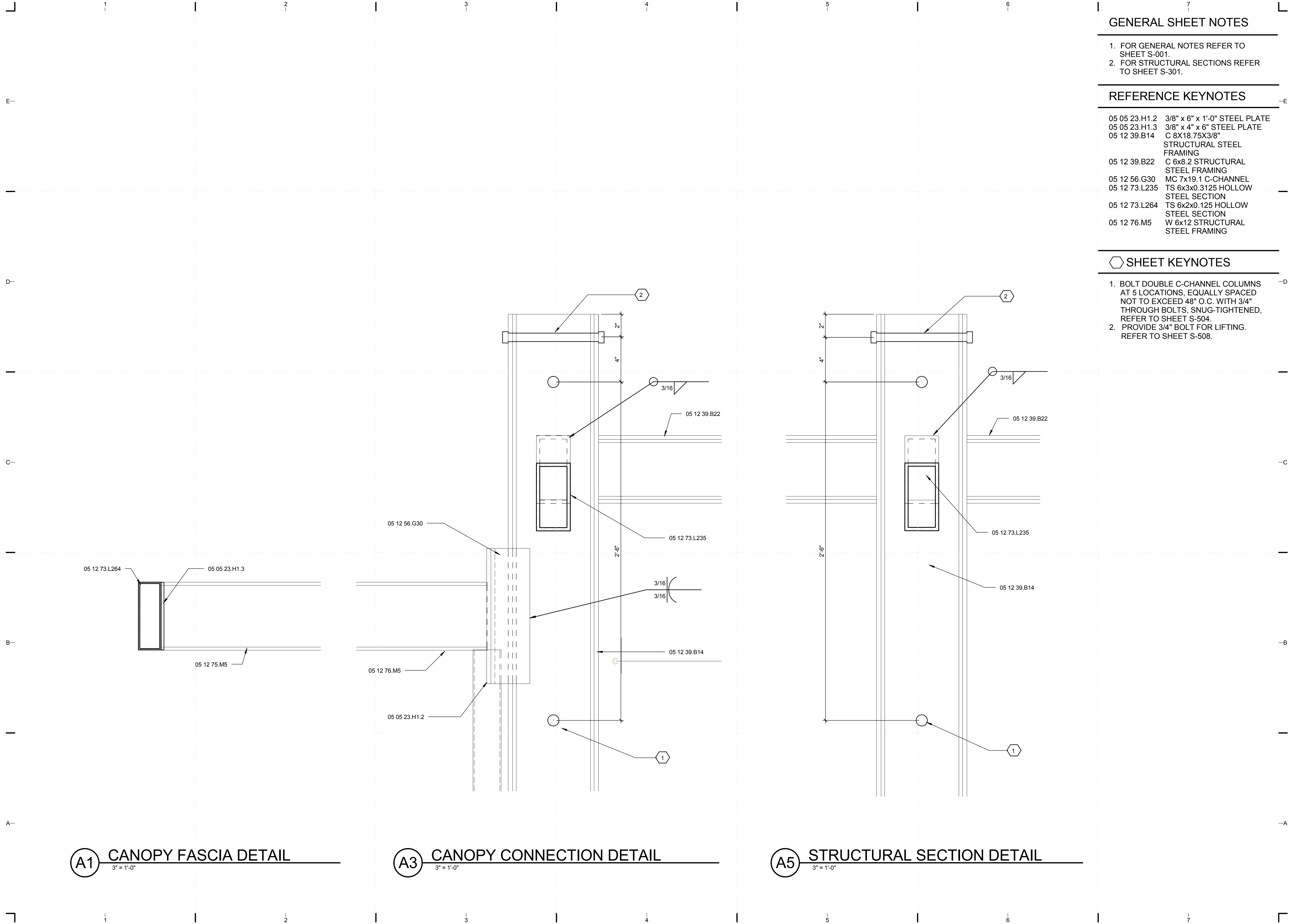
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SHEET TITLE

STRUCTURAL SECTION DETAILS

SHEET NUMBER

S-505



GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR STRUCTURAL SECTIONS REFER TO SHEET S-301.

REFERENCE KEYNOTES

05 05 23.H1.2	3/8" x 6" x 1'-0" STEEL PLATE
05 05 23.H1.3	3/8" x 4" x 6" STEEL PLATE
05 12 39.B14	C 8X18.75X3/8" STRUCTURAL STEEL FRAMING
05 12 39.B22	C 6X8.2 STRUCTURAL STEEL FRAMING
05 12 56.G30	MC 7X19.1 C-CHANNEL
05 12 73.L235	TS 6X3X0.3125 HOLLOW STEEL SECTION
05 12 73.L264	TS 6X2X0.125 HOLLOW STEEL SECTION
05 12 76.M5	W 6X12 STRUCTURAL STEEL FRAMING

SHEET KEYNOTES

1. BOLT DOUBLE C-CHANNEL COLUMNS AT 5 LOCATIONS, EQUALLY SPACED NOT TO EXCEED 48" O.C. WITH 3/4" THROUGH BOLTS, SNUG-TIGHTENED, REFER TO SHEET S-504.
2. PROVIDE 3/4" BOLT FOR LIFTING. REFER TO SHEET S-508.



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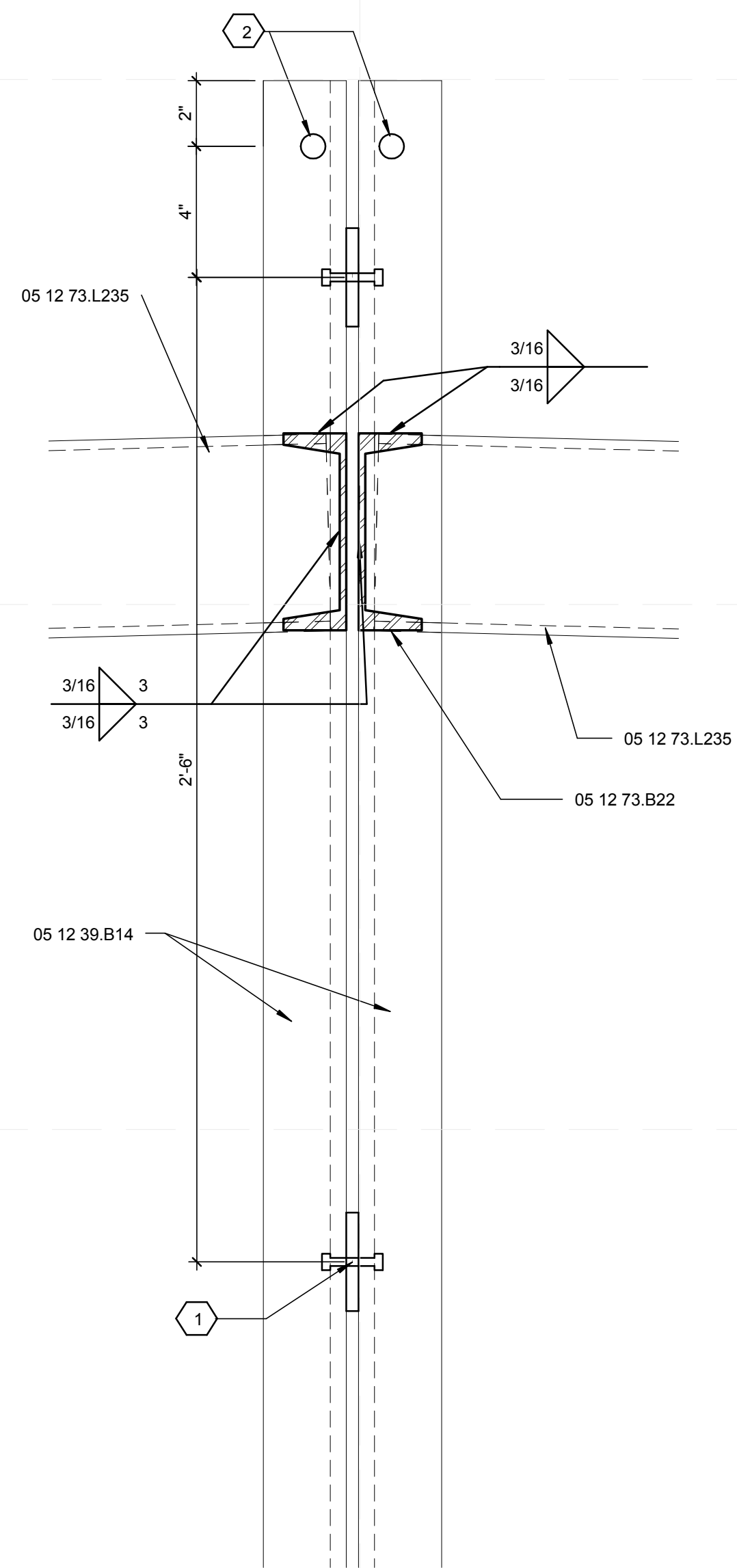
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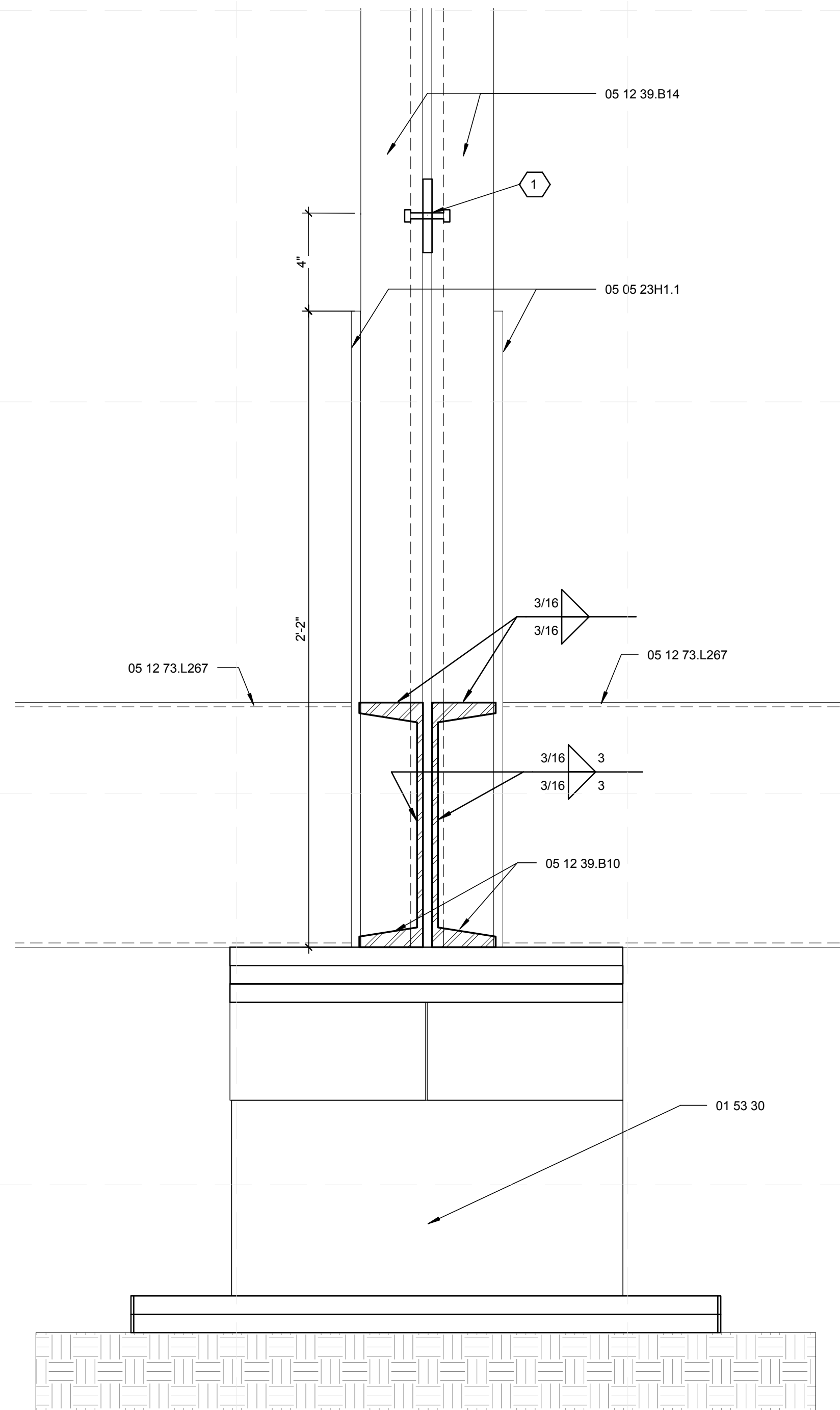
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A2 STRUCTURAL SECTION DETAIL
 3" = 1'-0"



A4 STRUCTURAL SECTION DETAIL
 3" = 1'-0"

GENERAL SHEET NOTES

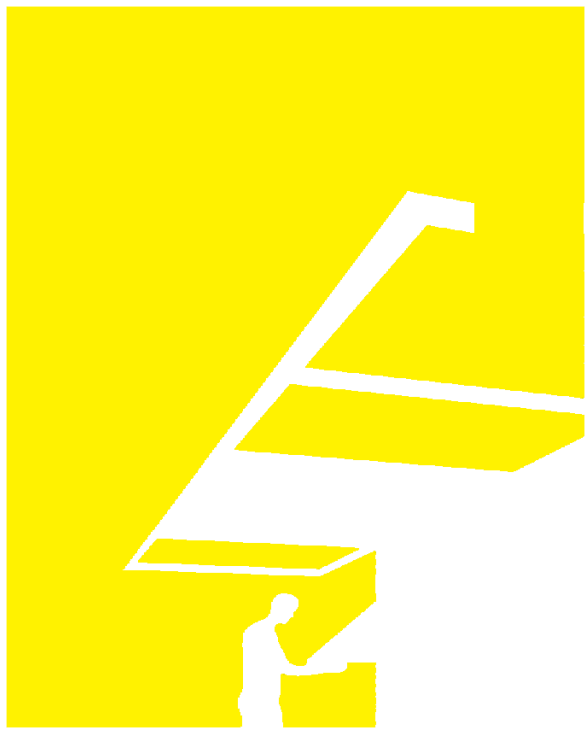
1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR STRUCTURAL SECTIONS REFER TO SHEET S-301.

REFERENCE KEYNOTES

01 53 30	TEMPORARY FOUNDATION
05 05 23.H1.1	3/8" x 8 1/2" x 2'-2" STEEL PLATE
05 12 39.B10	C 10x15.3 STRUCTURAL STEEL FRAMING
05 12 39.B14	C 8x18.75x3/8" STRUCTURAL STEEL FRAMING
05 12 39.B22	C 6x8.2 STRUCTURAL STEEL FRAMING
05 12 56.G30	MC 7x19.1 C-CHANNEL
05 12 73.L235	TS 6x3x0.3125 HOLLOW STEEL SECTION
05 12 76.M5	W 6x12 STRUCTURAL STEEL FRAMING

SHEET KEYNOTES

1. BOLT DOUBLE C-CHANNEL COLUMNS AT 5 LOCATIONS, EQUALLY SPACED NOT TO EXCEED 48" O.C. WITH 3/4" THROUGH BOLTS, SNUG-TIGHTENED. PROVIDE 3/8" x 3" H x 8" W STEEL PLATE SPACER AT LOCATION OF EACH BOLT.
2. PROVIDE 3/4" BOLT FOR LIFTING. REFER TO SHEET S-508.



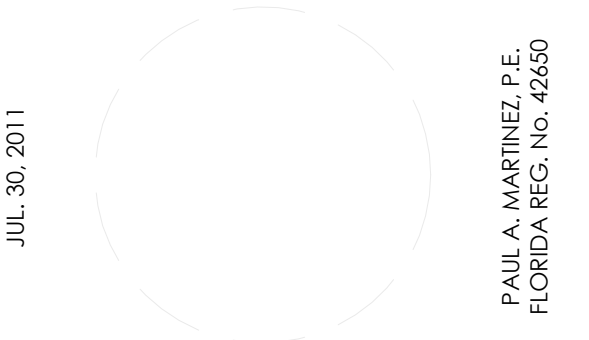
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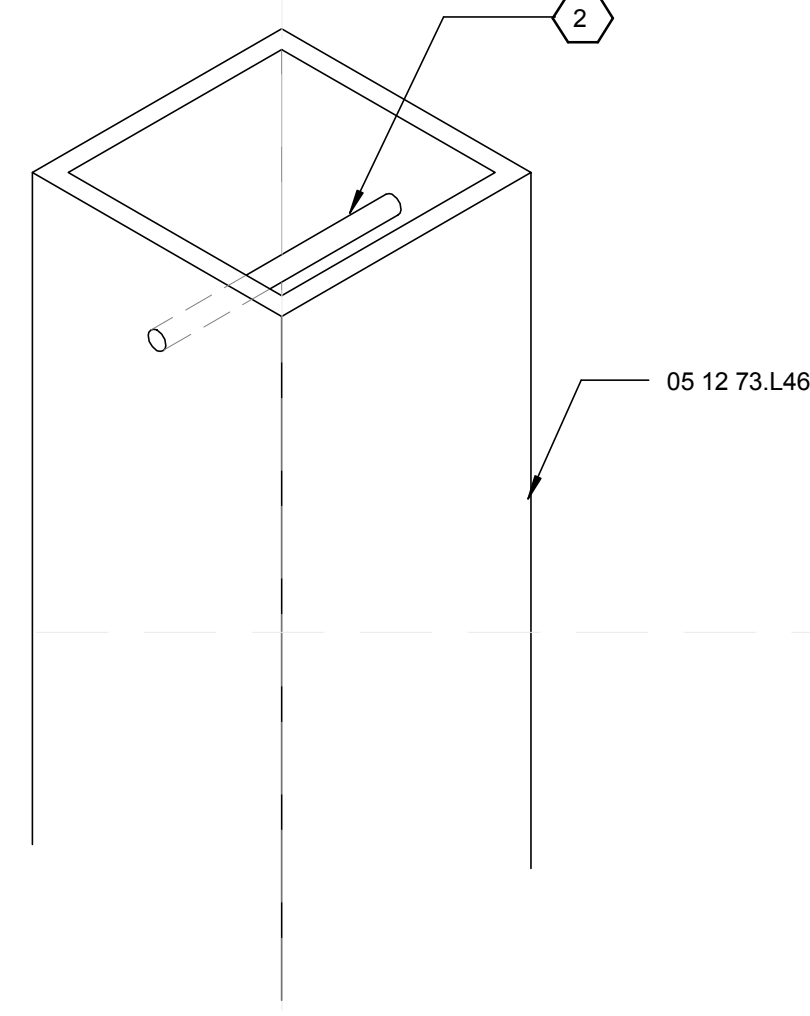
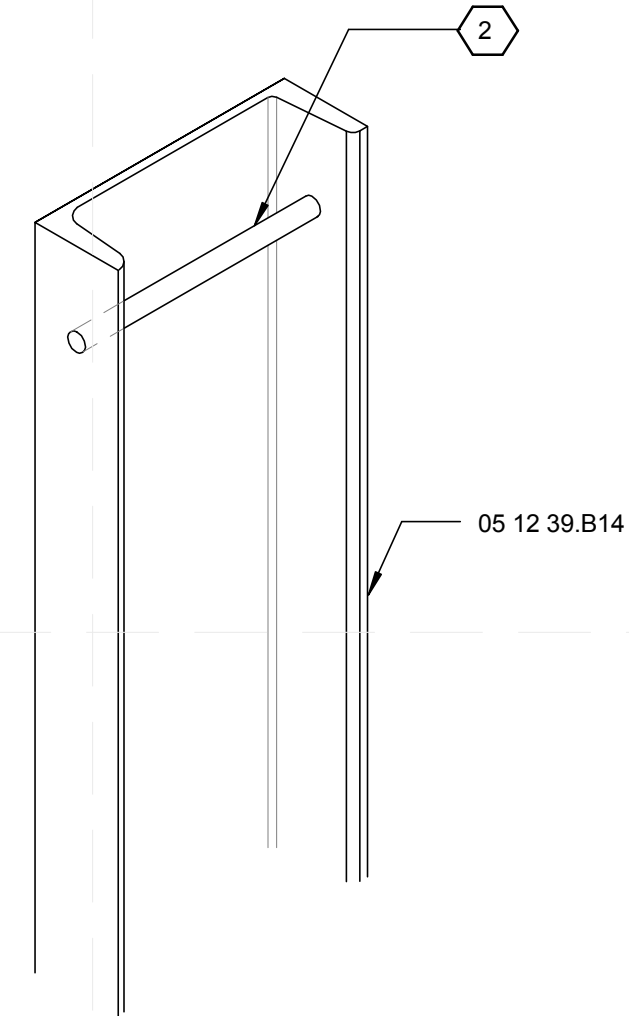
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STRUCTURAL SECTION DETAILS

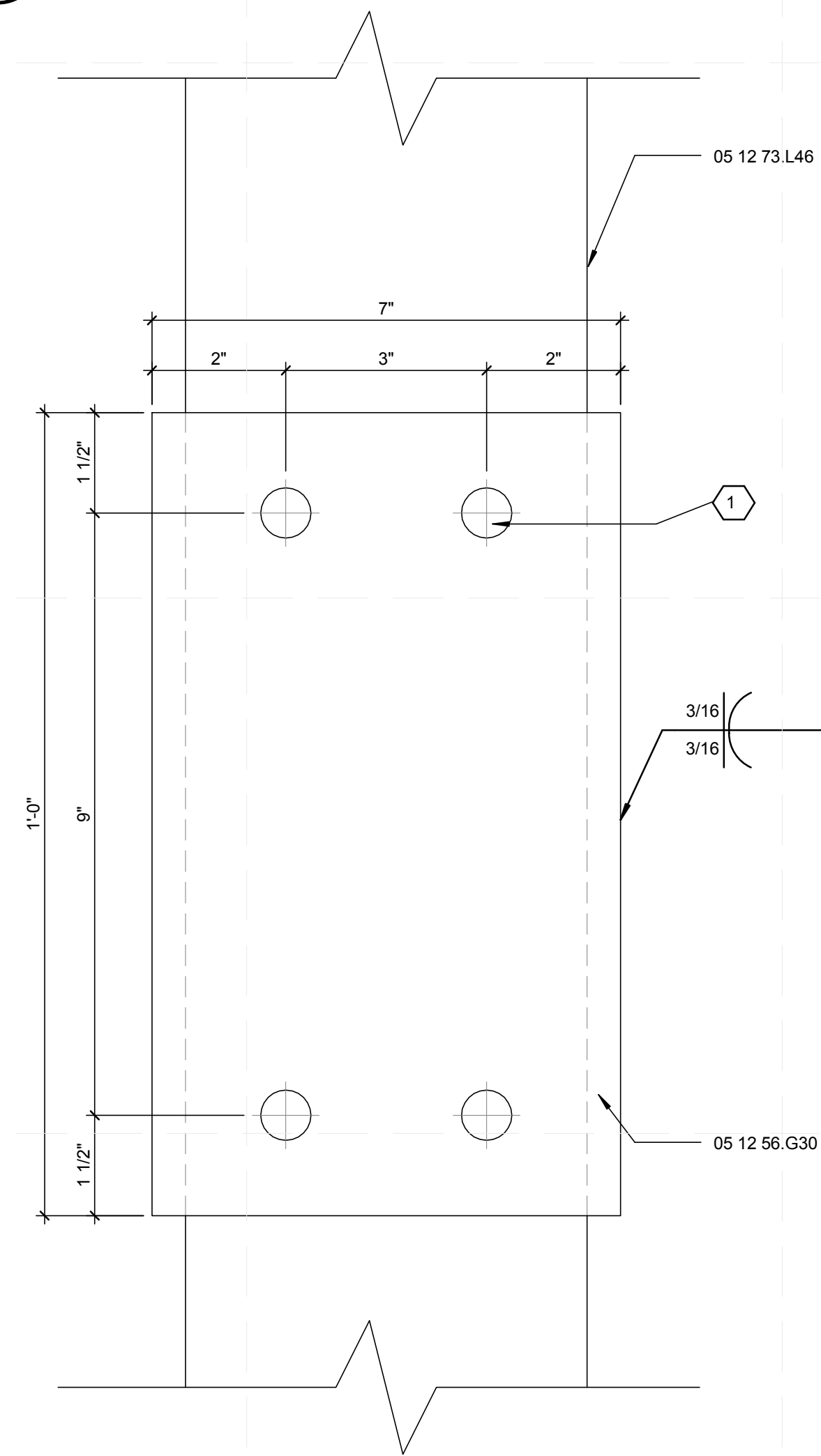
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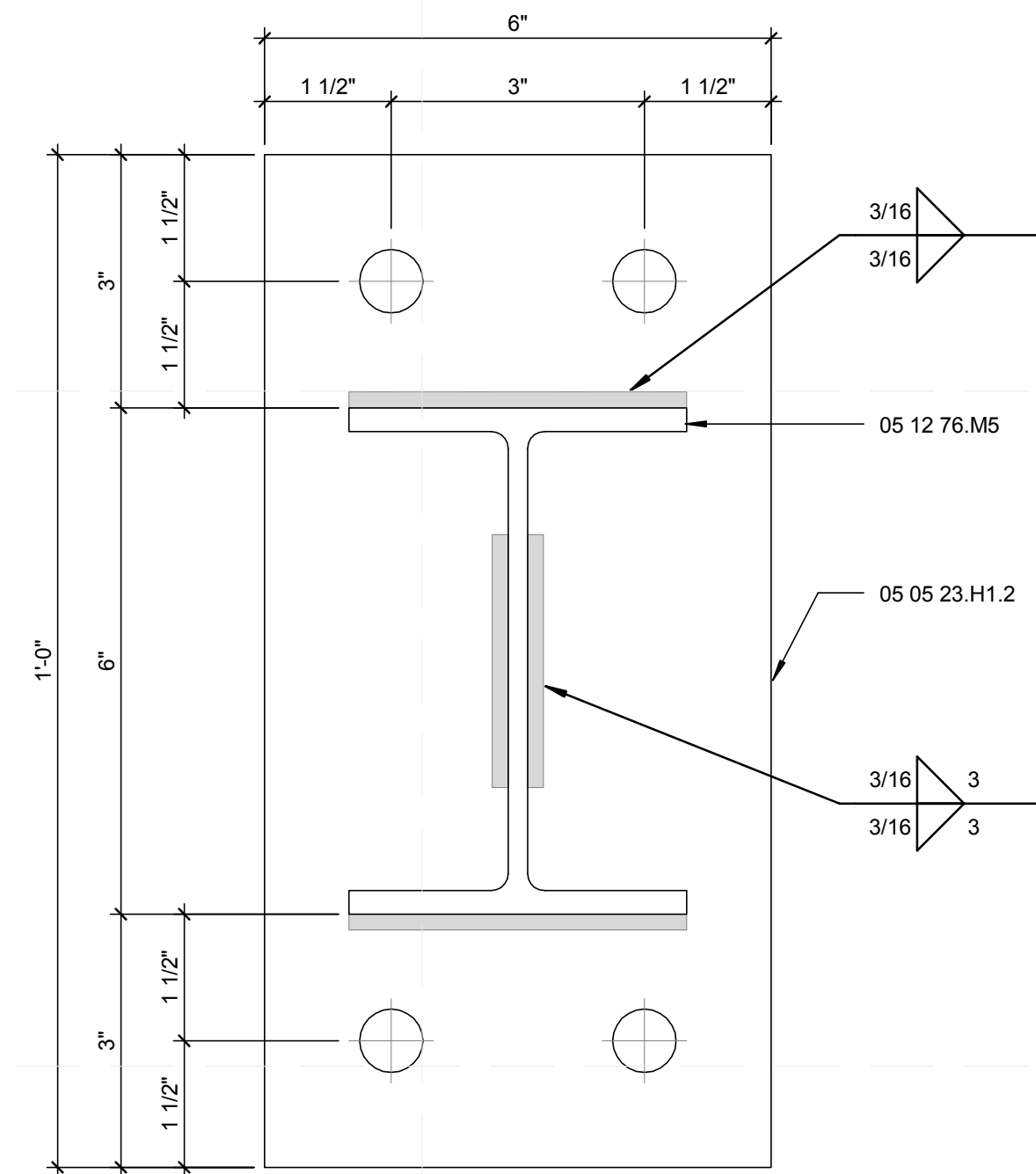


D1 STRUCTURAL DETAIL 1
3" = 1'-0"

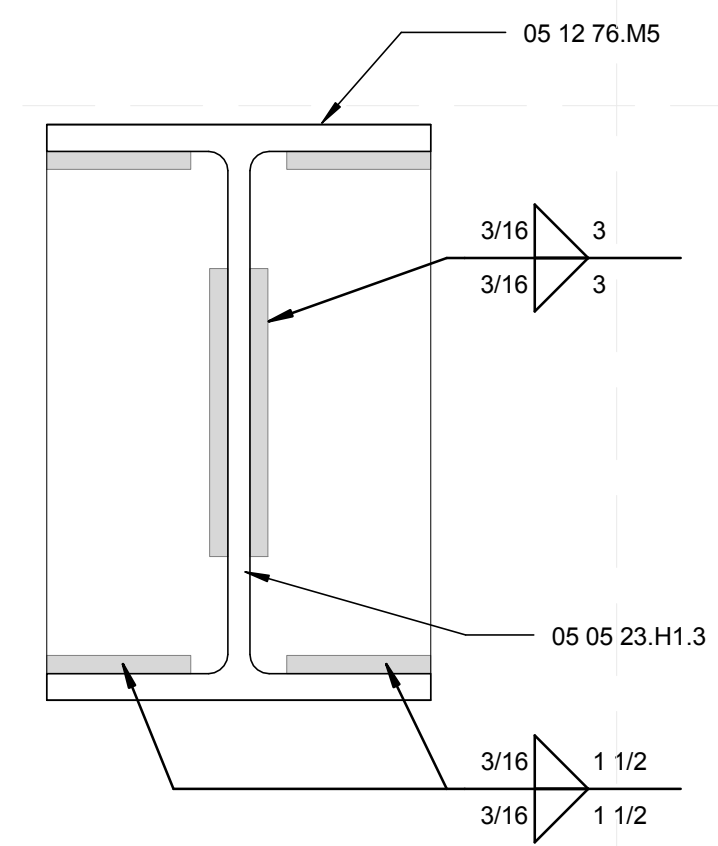
D3 STRUCTURAL DETAIL 2
3" = 1'-0"



A1 STRUCTURAL DETAIL 3
6" = 1'-0"



A3 STRUCTURAL DETAIL 4
6" = 1'-0"



A5 STRUCTURAL DETAIL 5
6" = 1'-0"

GENERAL SHEET NOTES

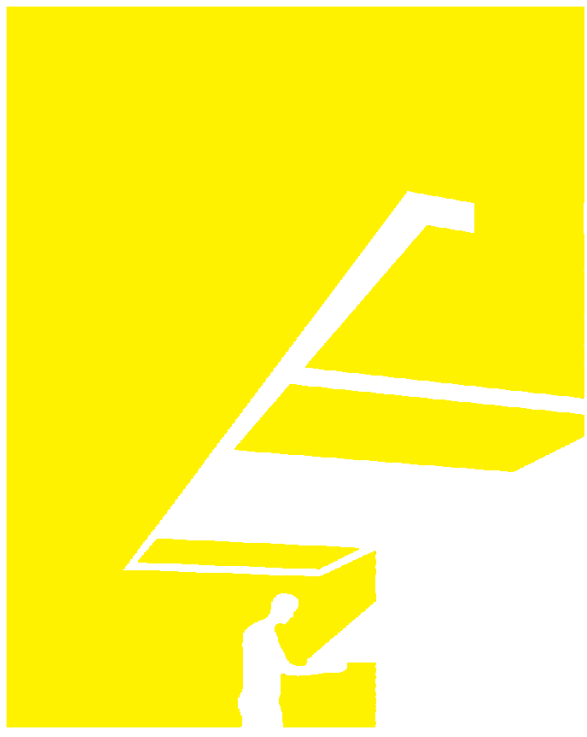
- FOR GENERAL NOTES REFER TO SHEET S-001.
- FOR STRUCTURAL SECTIONS REFER TO SHEET S-301.

REFERENCE KEYNOTES

05 05 23.H1.2	3/8" x 6" x 1'-0" STEEL PLATE
05 05 23.H1.3	3/8" x 4" x 6" STEEL PLATE
05 12 39.B14	C 8X18.75X3/8" STRUCTURAL STEEL FRAMING
05 12 56.G30	MC 7X19.1 C-CHANNEL
05 12 73.L46	TS 6X6X0.25 HOLLOW STEEL SECTION
05 12 76.M5	W 6X12 STRUCTURAL STEEL FRAMING

SHEET KEYNOTES

- PROVIDE FOUR (4) 3/4" BOLTS WELDED TO FACE OF C-CHANNEL.
- PROVIDE 3/4" BOLT FOR LIFTING. REFER TO SHEET S-504.



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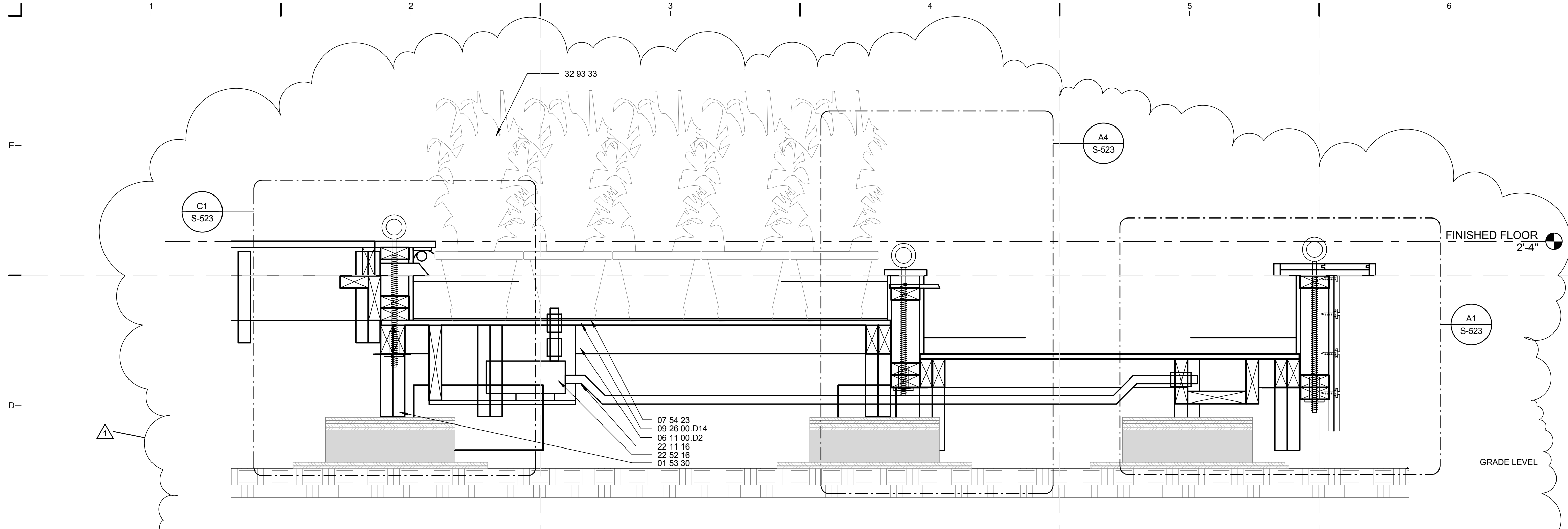
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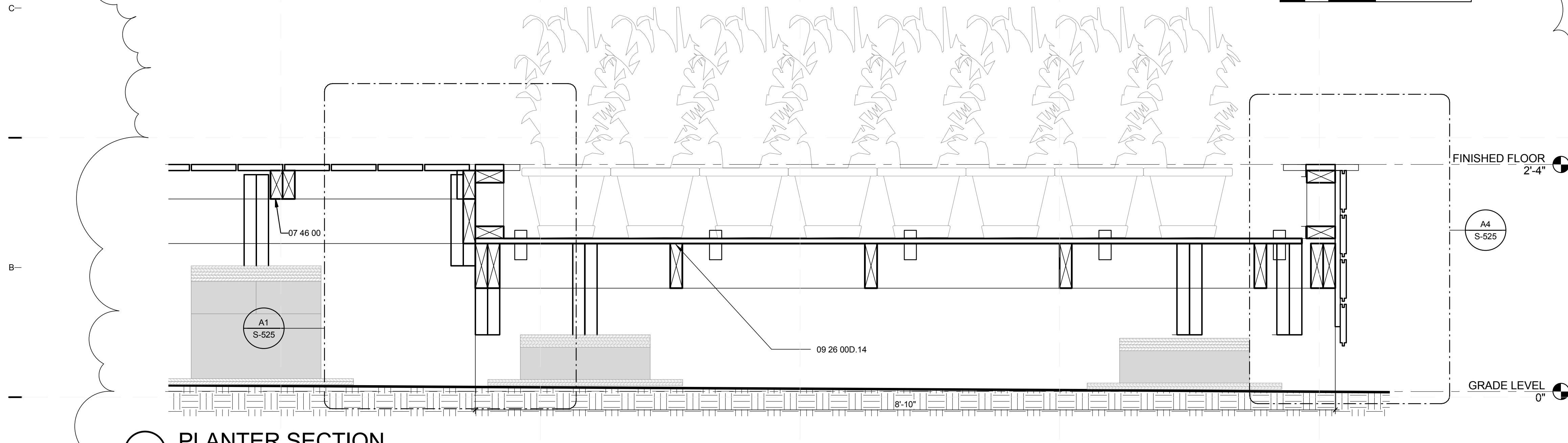
STRUCTURAL DETAILS

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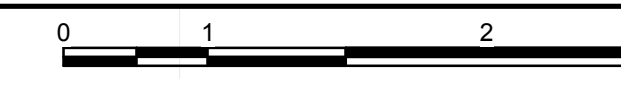
S-508



C1 POOL SECTION
1 1/2" = 1'-0"



A1 PLANTER SECTION
1 1/2" = 1'-0"



GENERAL SHEET NOTES

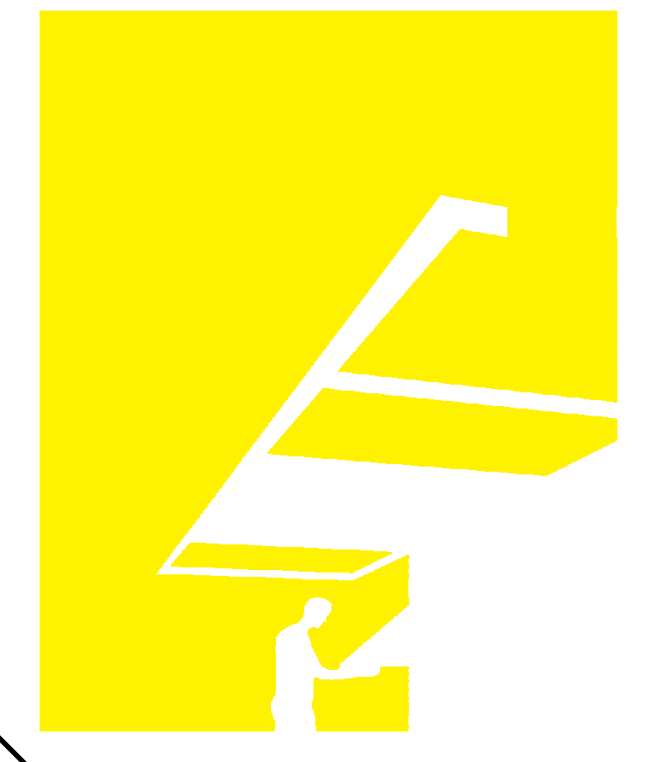
1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. ALL PLANTS SHALL REMAIN IN POTS

REFERENCE KEYNOTES

- | | |
|--------------|-----------------------------------|
| 01 53 30 | TEMPORARY FOUNDATION |
| 06 11 00.D2 | 2X4 PRESSURE TREATED LEDGER |
| 07 54 23 | THERMO PLASTIC POLYOLEFIN ROOFING |
| 09 29 00.D14 | 5/8" MAGNESEUM WALL BOARD |

- | | |
|----------|---------------|
| 22 11 16 | PIPING |
| 22 52 16 | FOUNTAIN PUMP |
| 32 93 33 | PLANTS |

SHEET KEYNOTES



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JUL 30 2011
 PAUL A. MARTINEZ, P.E.
 FLORIDA REG. NO. 42650

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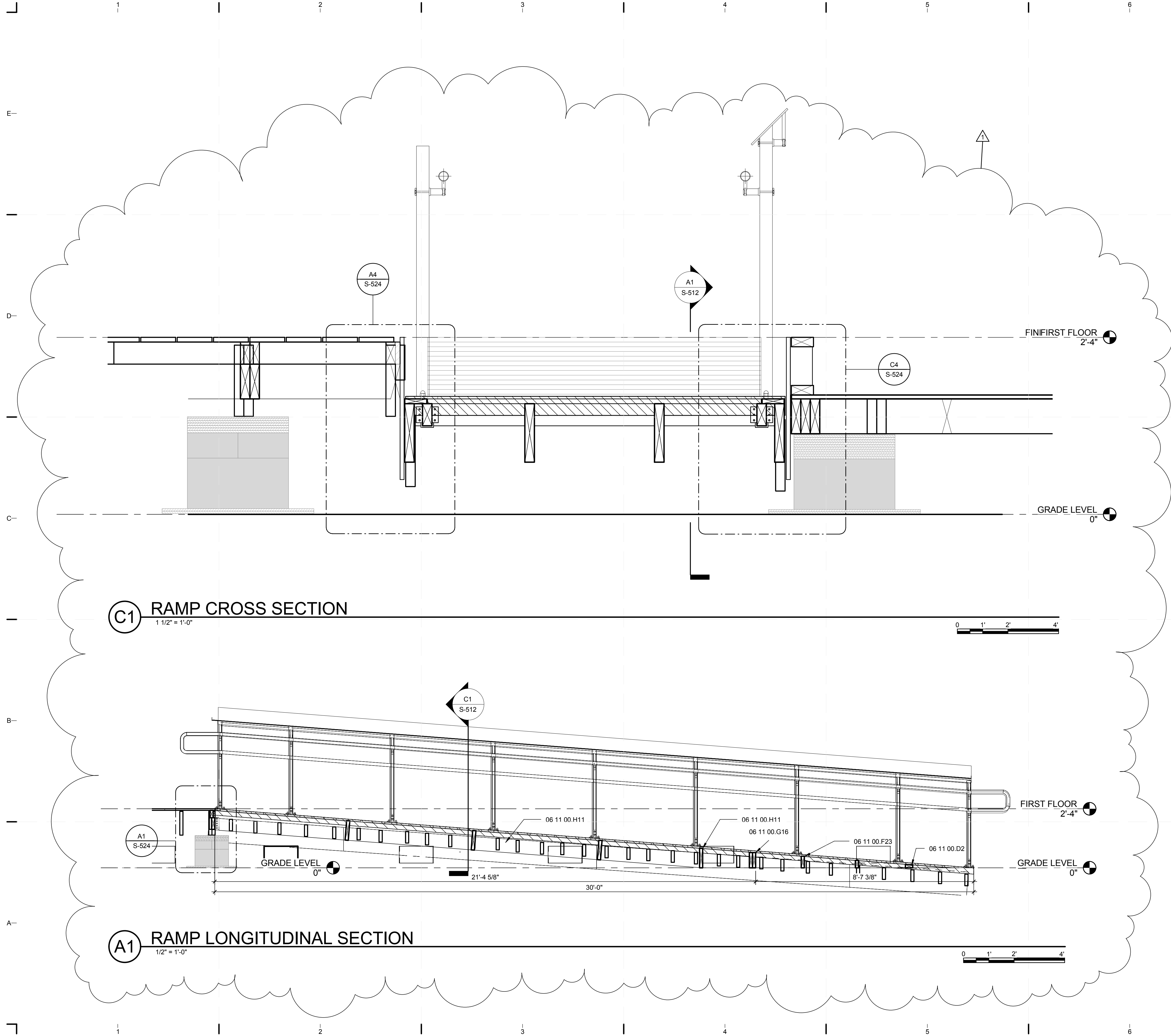
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DECK SECTIONS

SHEET NUMBER

S-511



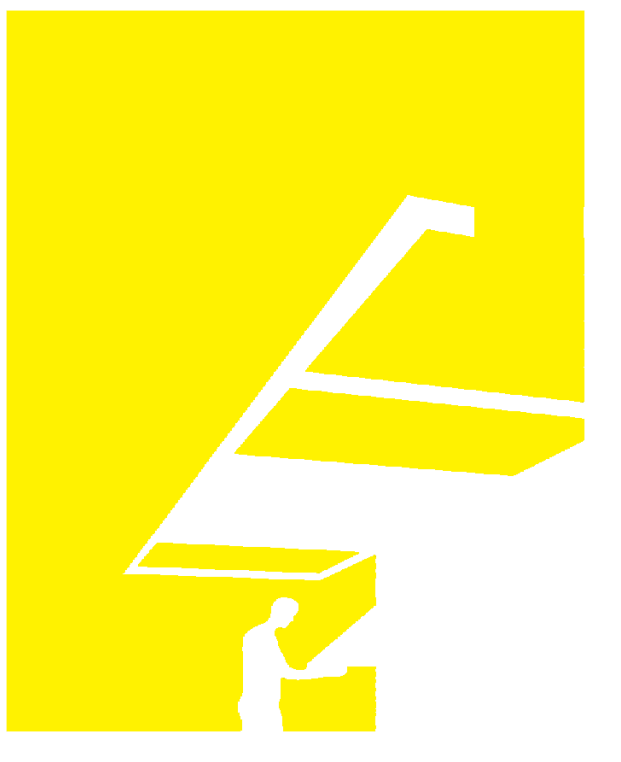
GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. RAIL TERMINATIONS ARE PER ADA CODE, TYP.

REFERENCE KEYNOTES

- 06 11 00.D2 2X4 PRESSURE TREATED LEDGER
- 06 11 00.F23 2X6 PRESSURE TREATED LEDGER
- 06 11 00.G16 2X8 PRESSURE TREATED LEDGER
- 06 11 00.H11 2X10 PRESSURE TREATED LEDGER

SHEET KEYNOTES



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JUL. 30. 2011
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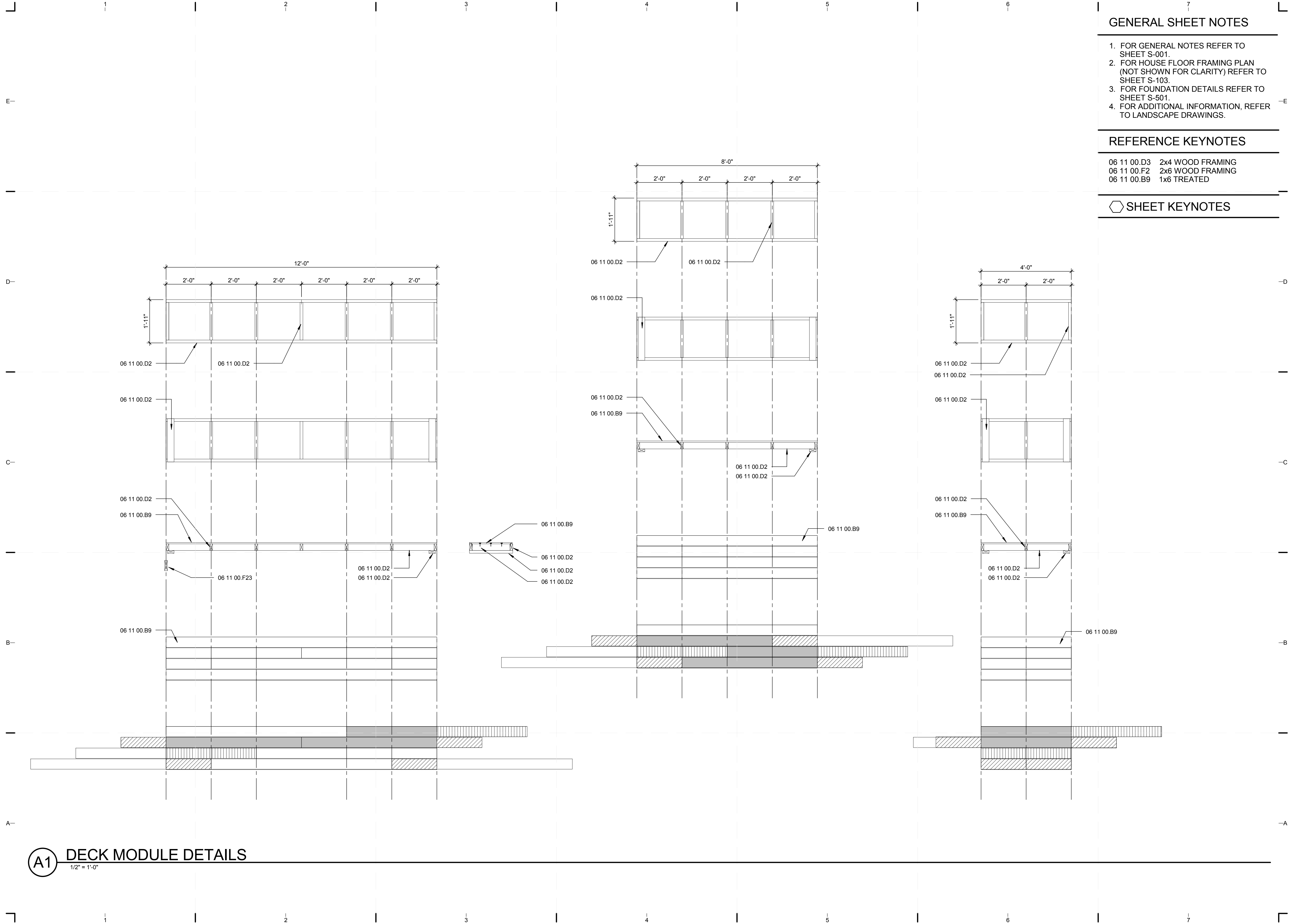
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DECK SECTIONS

SHEET NUMBER

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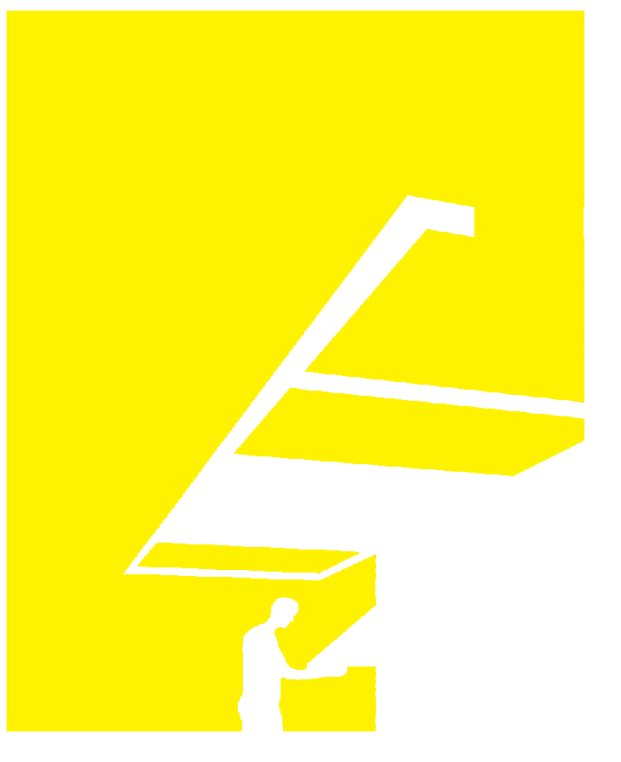
GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR HOUSE FLOOR FRAMING PLAN (NOT SHOWN FOR CLARITY) REFER TO SHEET S-103.
3. FOR FOUNDATION DETAILS REFER TO SHEET S-501.
4. FOR ADDITIONAL INFORMATION, REFER TO LANDSCAPE DRAWINGS.

REFERENCE KEYNOTES

- 06 11 00.D3 2x4 WOOD FRAMING
- 06 11 00.F2 2x6 WOOD FRAMING
- 06 11 00.B9 1x6 TREATED

SHEET KEYNOTES



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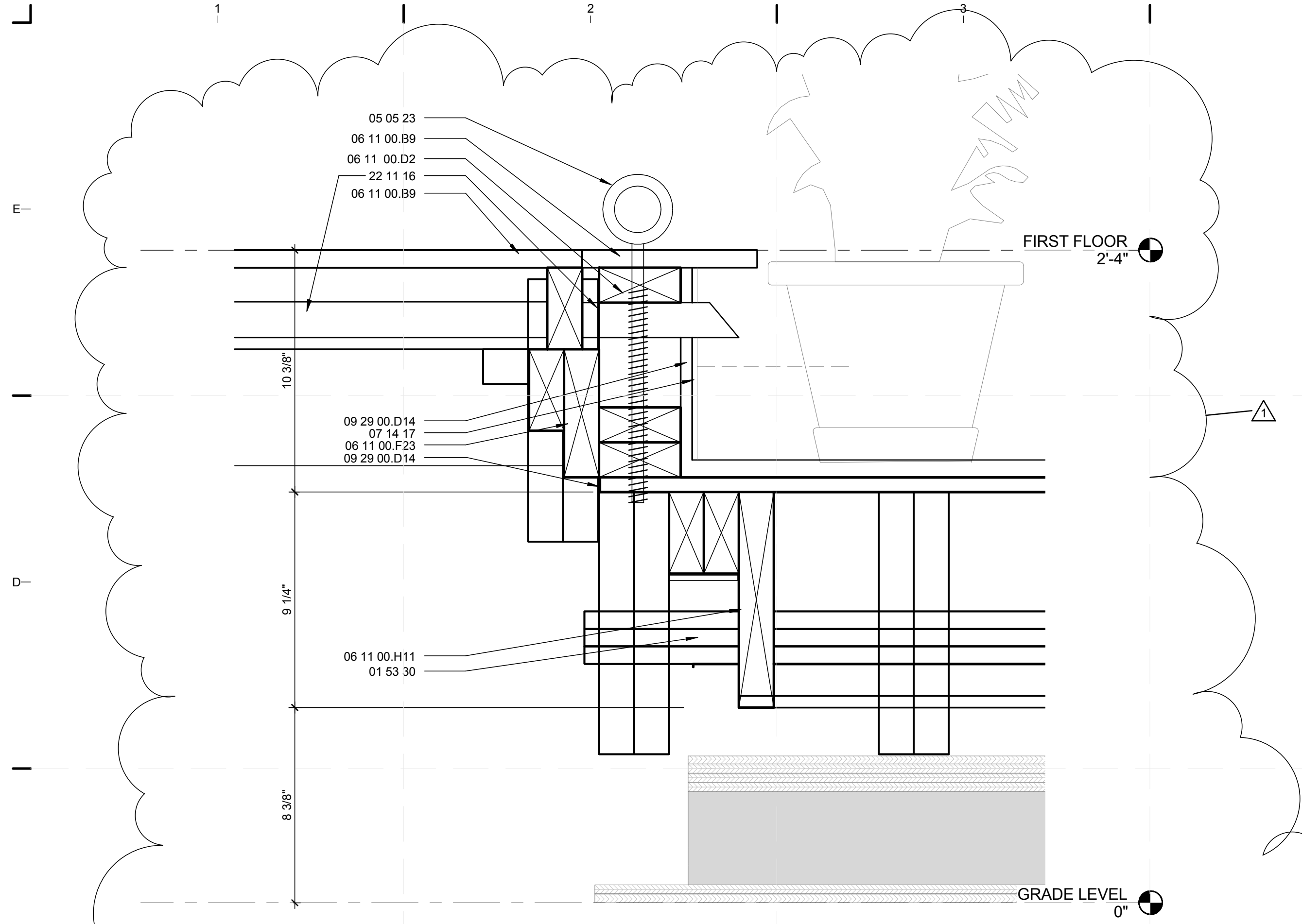
DECK MODULE DETAILS

SHEET NUMBER

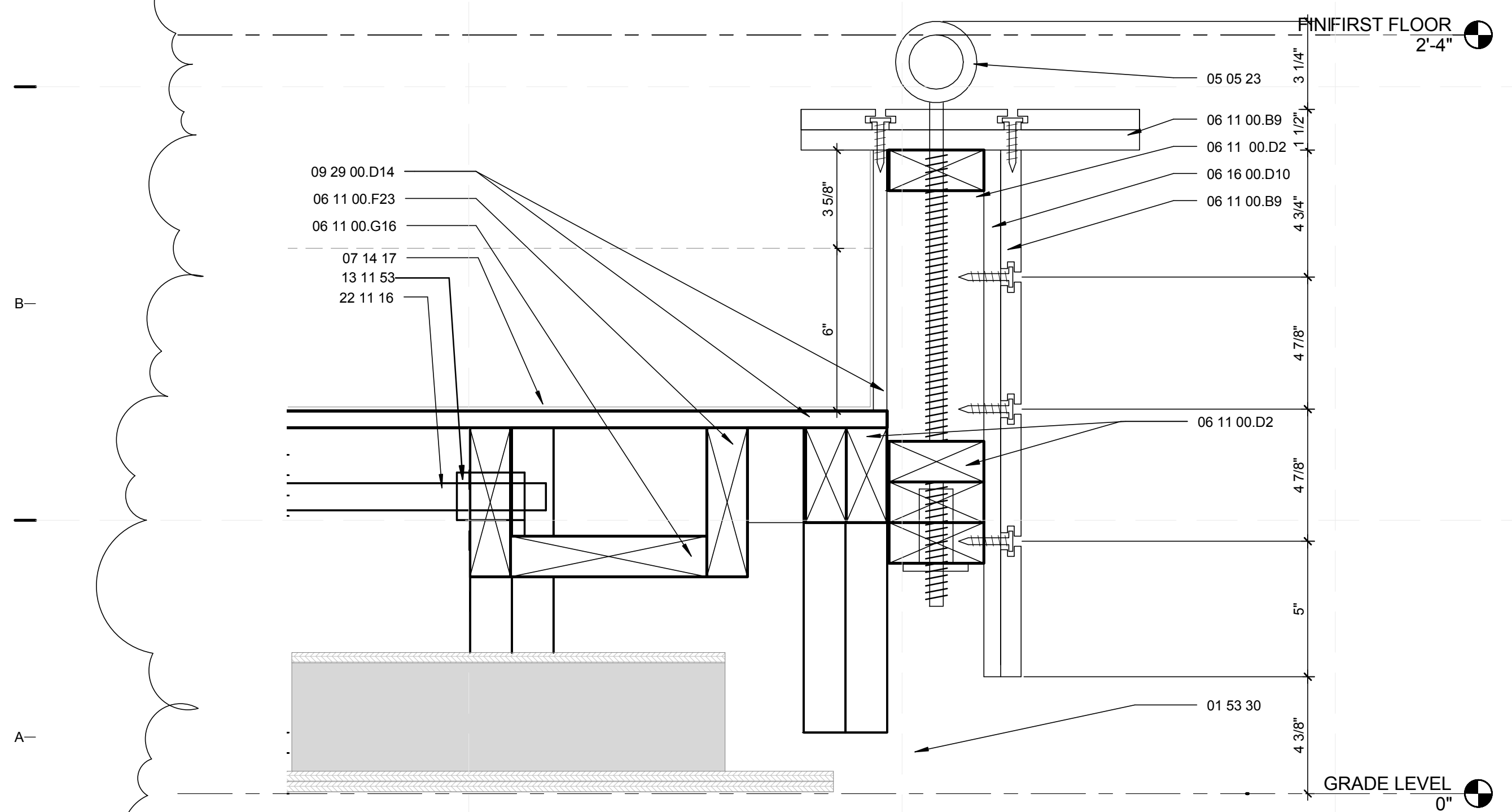
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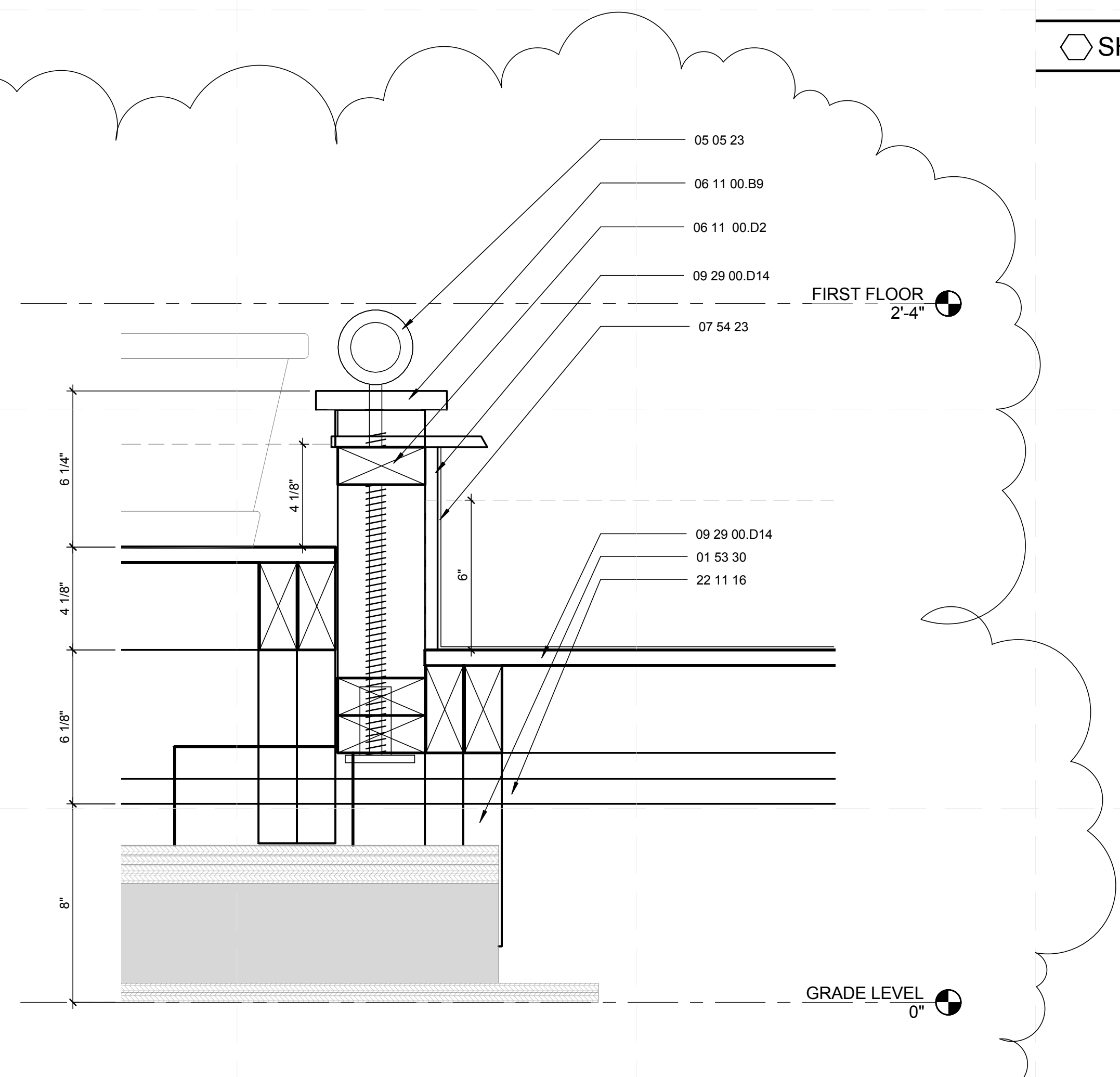
(A1) DECK MODULE DETAILS
 1/2" = 1'-0"



C1 DECK TO POOL CONNECTION
3" = 1'-0"



A1 EDGE OF POOL DETAIL
3" = 1'-0"



A4 MID POOL DETAIL
3" = 1'-0"

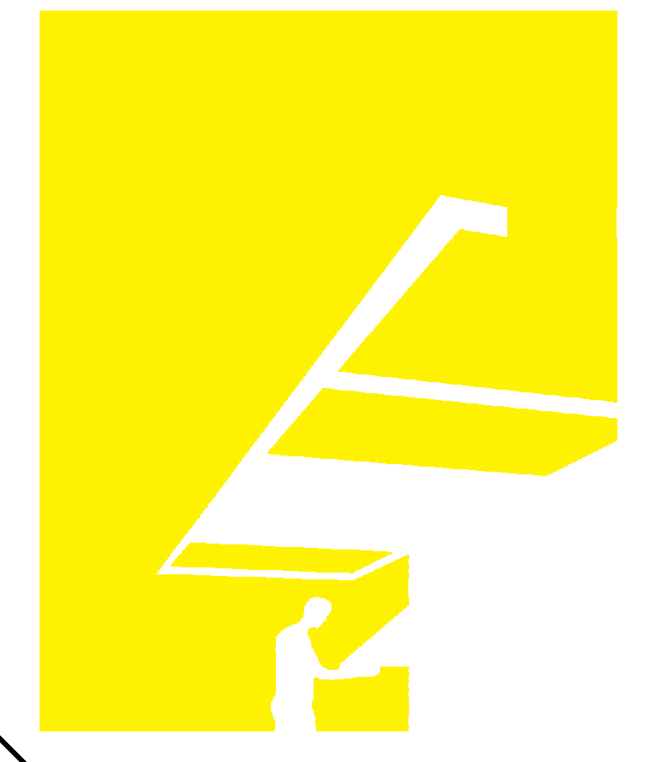
GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR POOL SECTION REFER TO S-511

REFERENCE KEYNOTES

- | | |
|--------------|-------------------------------------|
| 01 53 30 | TEMPORARY FOUNDATION |
| 05 05 23 | METAL FASTENING BOLT |
| 06 11 00.B9 | 1X6 PRESSURE TREATED LUMBER DECKING |
| 06 11 00.D2 | 2X4 PRESSURE TREATED LEDGER |
| 06 11 00.F23 | 2X6 PRESSURE TREATED LEDGER |
| 06 11 00.G16 | 2X8 PRESSURE TREATED LEDGER |
| 06 11 00.H11 | 2X10 PRESSURE TREATED LEDGER |
| 07 54 23 | THERMOPLASTIC POLYOLEFIN ROOFING |
| 09 29 00.D14 | 5/8" MAGNESEUM WALL BOARD |
| 22 11 16 | DOMESTIC WATER PIPING |

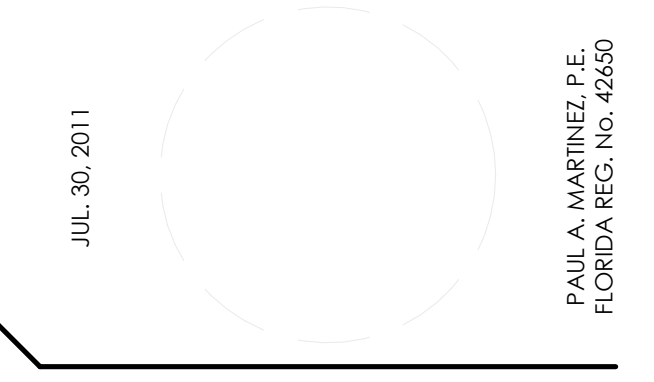
SHEET KEYNOTES



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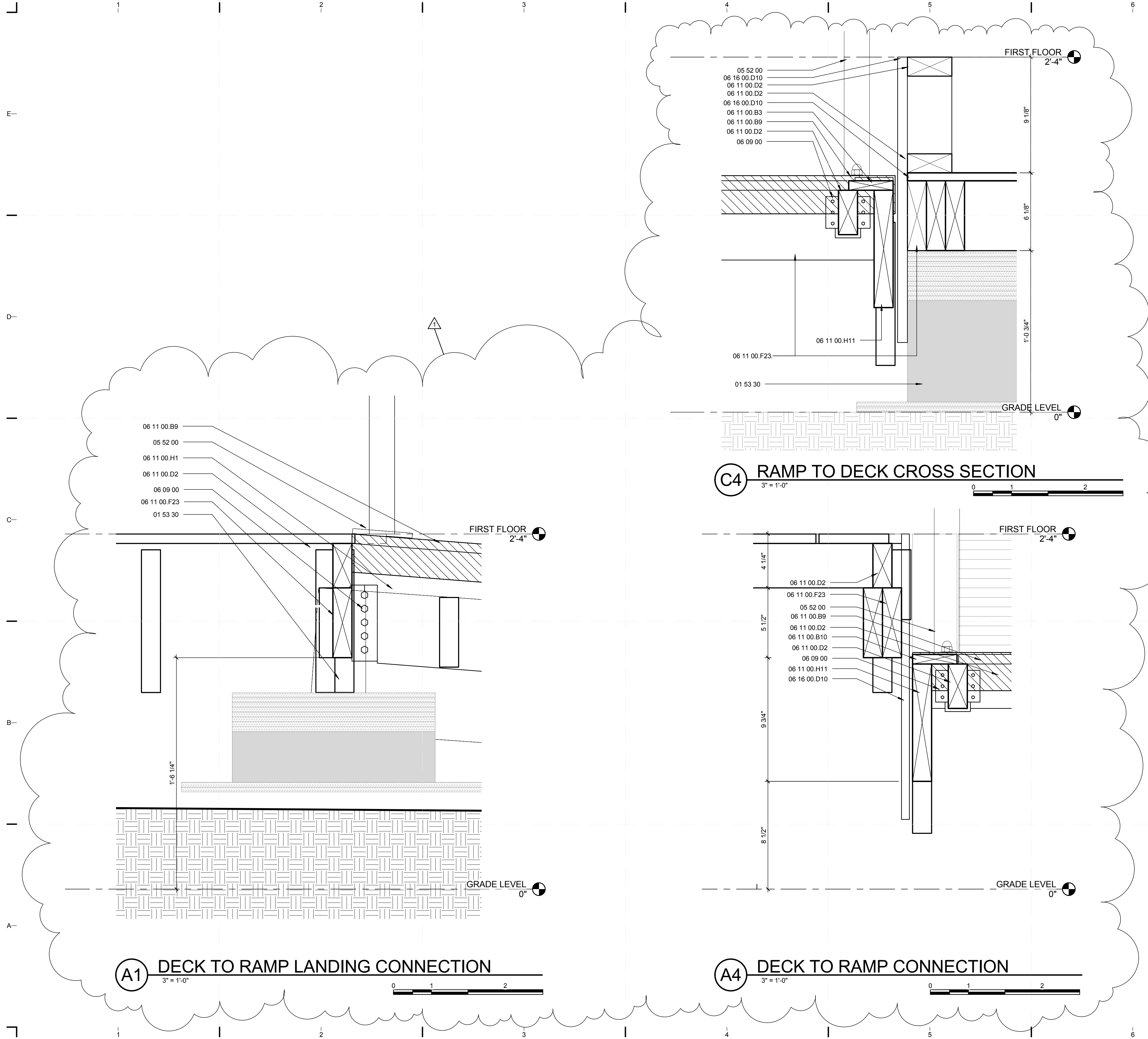
SHEET TITLE

DECK DETAILS

SHEET NUMBER

S-523

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GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR RAMP SECTION REFER TO S-512

REFERENCE KEYNOTES

- 05 52 00 STAINLESS STEEL RAILINGS
- 01 53 30 TEMPORARY FOUNDATION
- 06 09 00 JOIST HANGER
- 06 11 00.B3 1X4 PRESSURE TREATED LEDGER
- 06 11 00.B10 1X8 PRESSURE TREATED LEDGER
- 06 11 00.D2 2X4 PRESSURE TREATED LEDGER
- 06 11 00.D10 5/8\" EXTERIOR GRADE PLYWOOD
- 06 11 00.F23 2X6 PRESSURE TREATED LEDGER
- 06 11 00.H11 2X10 PRESSURE TREATED LEDGER
- 06 11 00.B9 1X6 PRESSURE TREATED LUMBER DECKING
- 06 16 00.D10 5/8\" EXTERIOR GRADE PLYWOOD

SHEET KEYNOTES



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S-524

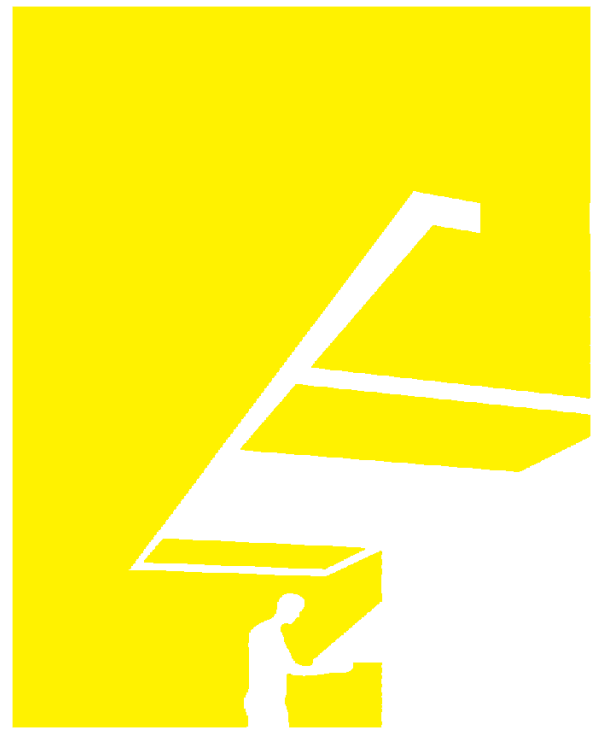
GENERAL SHEET NOTES

- FOR GENERAL NOTES REFER TO SHEET S-001.
- FOR PLANTER SECTION REFER TO S-511

REFERENCE KEYNOTES

01 53 30	TEMPORARY FOUNDATION
05 05 23	METAL FASTENING
06 11 00.B9	1X6 PRESSURE TREATED SIDING
06 11 00.D2	2X4 PRESSURE TREATED LEDGER
06 11 00.D10	5/8" EXTERIOR GRADE PLYWOOD
06 11 00.F23	2X6 PRESSURE TREATED LEDGER
06 11 00.G16	2X8 PRESSURE TREATED LEDGER
06 15 14	1X6 PRESSURE TREATED DECKING
06 16 00.D10	5/8" EXTERIOR GRADE PLYWOOD
07 14 17	WETSUIT WATERPROOFING
22 11 16	DOMESTIC WATER PIPING
32 93 33	SHRUBS

SHEET KEYNOTES



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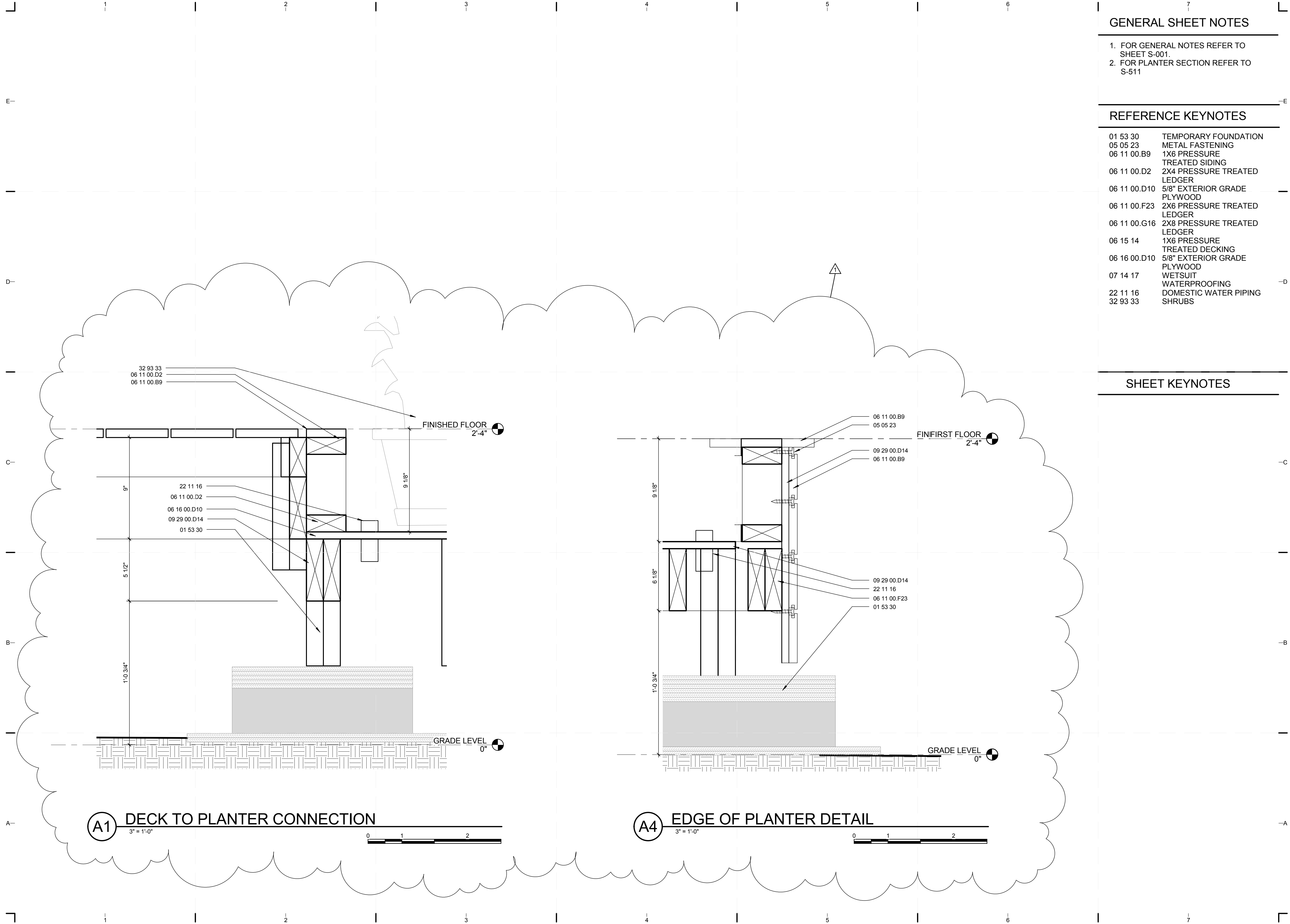
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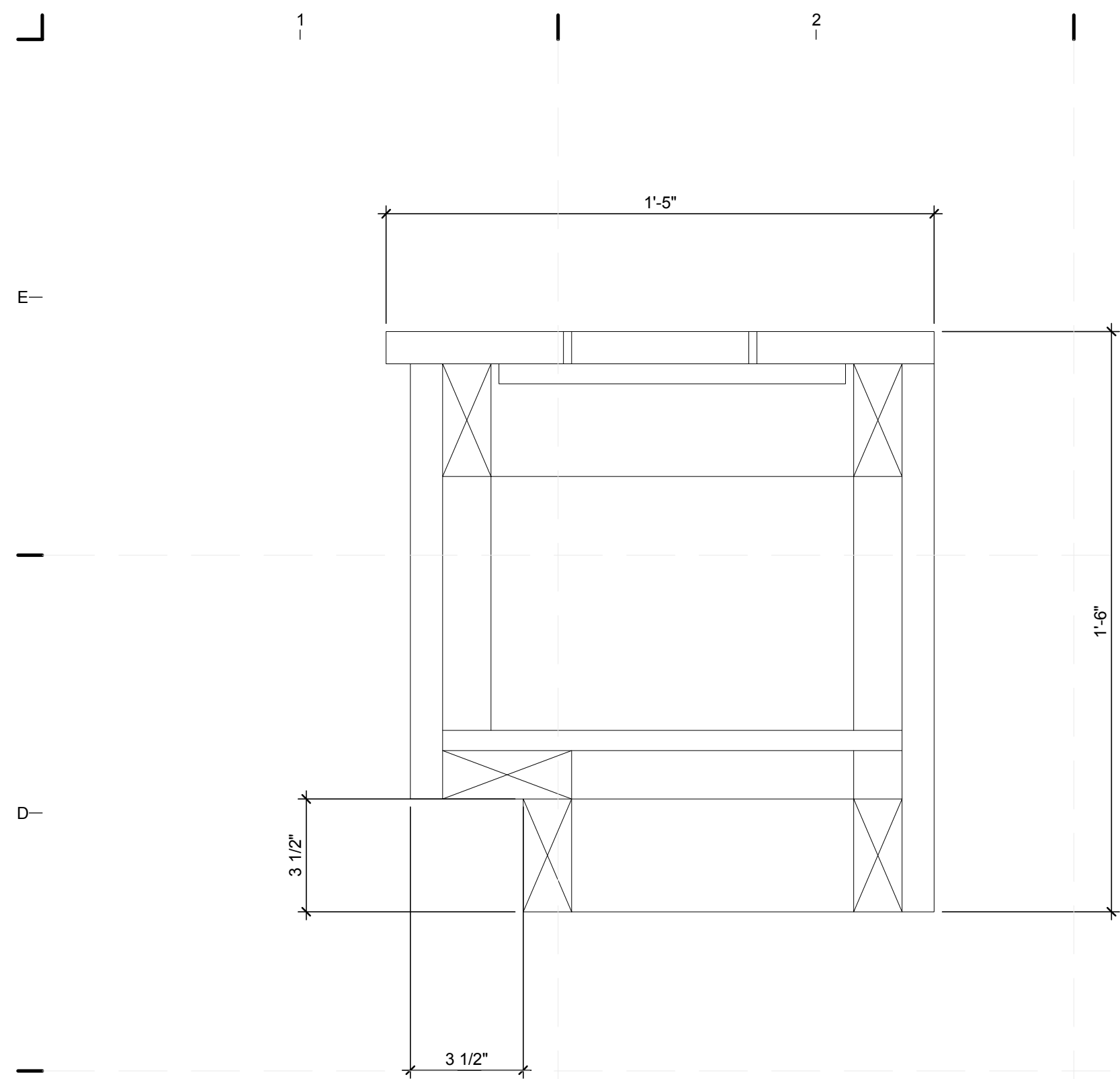
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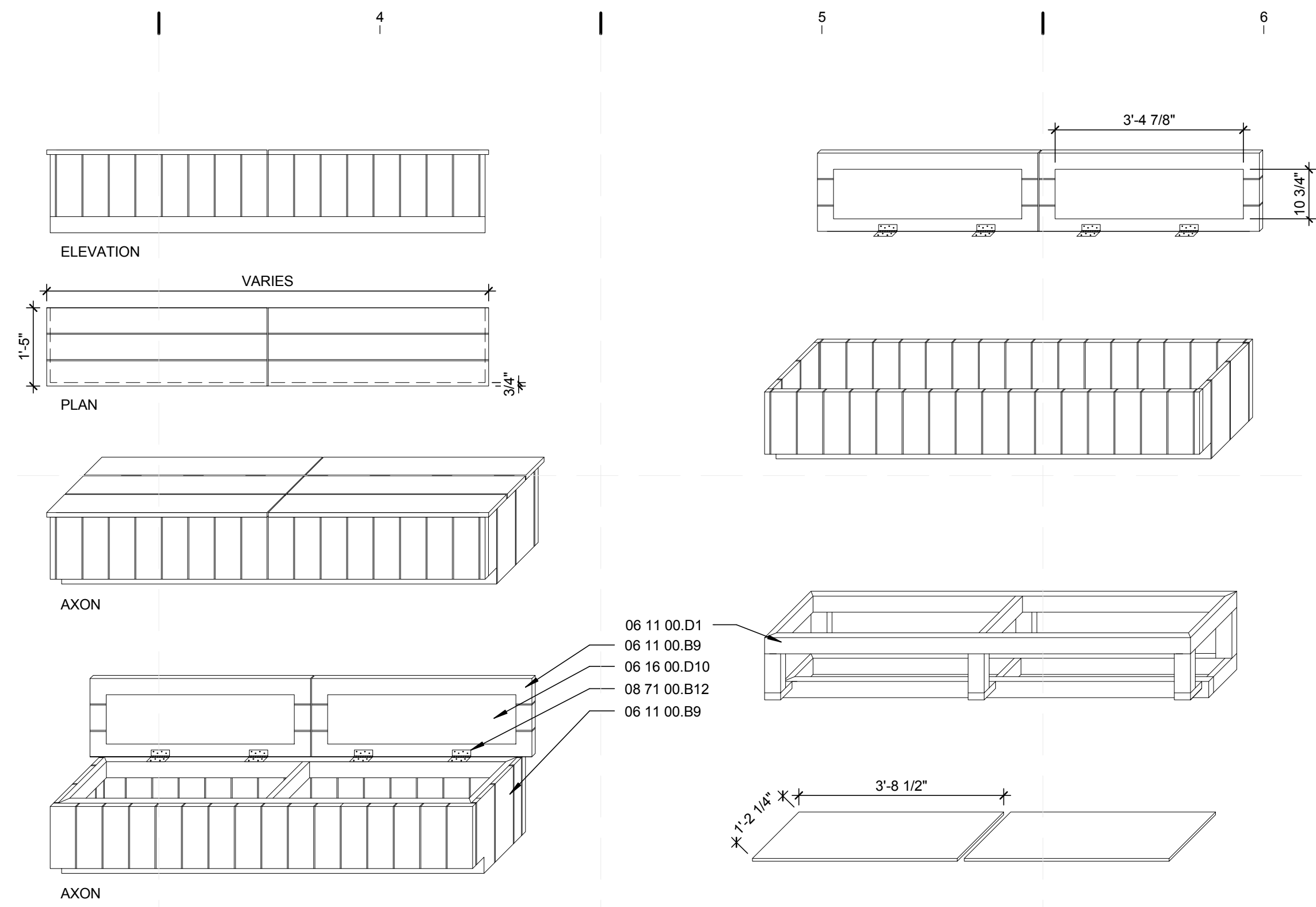
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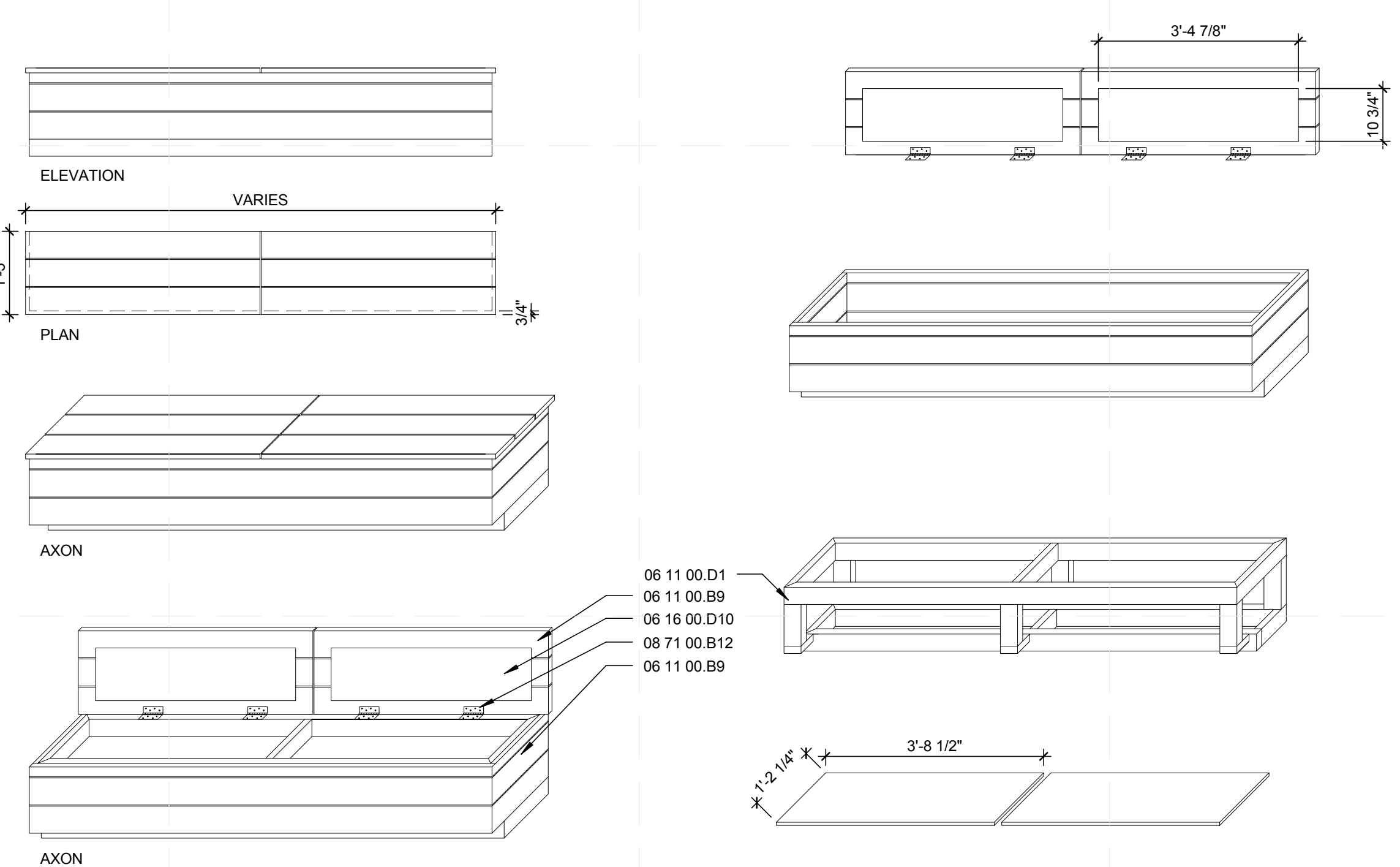




C1 BENCH SECTION
3" = 1'-0"



C3 BENCH DETAIL TYPE A
1/2" = 1'-0"



A3 BENCH DETAIL TYPE B
1/2" = 1'-0"

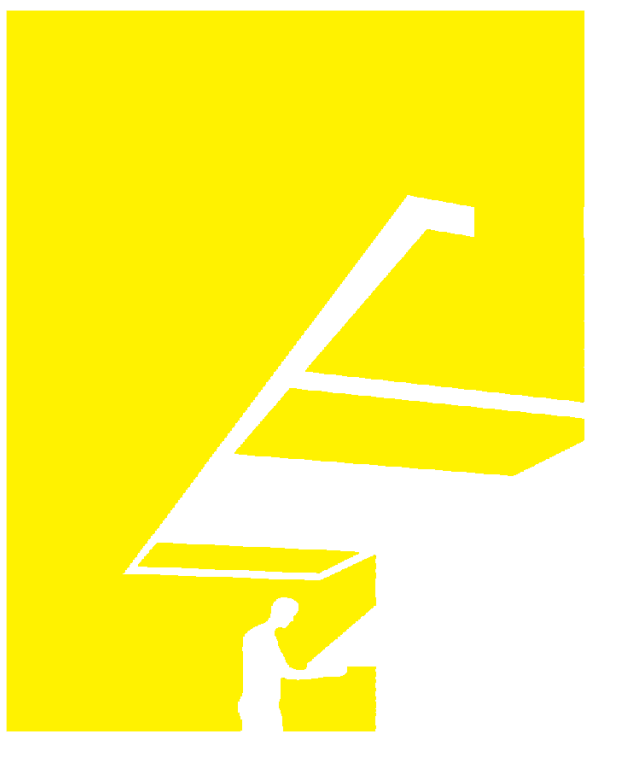
GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.

REFERENCE KEYNOTES

- 06 11 00.D1 2x4
- 06 11 00.B9 1x6 TREATED
- 06 16 00.D10 5/8" EXTERIOR GRADE PLYWOOD
- 08 71 00.B13 4 INCH BROAD LOOSE PIN HINGE ZINC PLATED FINISH

SHEET KEYNOTES



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S-526

GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. FOR FLOOR FRAMING PLAN REFER TO SHEET S-102.
3. FOR ROOF FRAMING PLAN REFER TO SHEET S-103.
4. FOR EXTERIOR FRAMING ELEVATIONS REFER TO SHEETS S-201 AND S-202.
5. ALL LIGHT-GAUGE STUD FRAMING SHALL BE 16 GAUGE.
6. ALL LIGHT-GAUGE TRACKS AND CLIP ANGLES SHALL BE 14 GAUGE.
7. LIGHT-GAUGE STEEL FRAMING TO BE SECURED TO STRUCTURAL STEEL USING 0.145" DIA. POWER ACTUATED FASTENERS.

REFERENCE KEYNOTES

05 12 73.L46	TS 6x6x0.25 HOLLOW STEEL SECTION
05 12 73.L235	TS 6x3x0.3125 HOLLOW STEEL SECTION
05 12 73.L267	TS 10x3x0.1875 HOLLOW STEEL SECTION
05 41 00.A8	6" METAL STUD FRAMING 600S162-54 @ 24" O.C.
05 41 00.A10	8" METAL STUD FRAMING 800S162-54 @ 24" O.C.
05 41 00.A11	10" METAL STUD FRAMING 1000S162-54 @ 24" O.C.
06 16 00.D10	5/8" EXTERIOR GRADE PLYWOOD SHEATHING.
06 16 00.D12	3/4" EXTERIOR GRADE PLYWOOD SHEATHING.

SHEET KEYNOTES

1. 14 GAUGE CLIP ANGLE 2-1/2" x 2-1/2" x 5"
2. THREE (3) No. 10 SELF-TAPPING SCREWS
3. THREE (3) 0.145" DIA. POWER ACTUATED FASTENERS
4. 8" METAL STUD FRAMING BOX BEAM; USE TWO (2) 800S162-54 STUDS AND TWO (2) 800S162-68 TRACKS.
5. No. 10 SELF-TAPPING SCREWS @ 8" O.C.
6. 0.145" DIA. POWER ACTUATED FASTENERS @ 9" O.C.
7. 14 GAUGE CLIP ANGLE 1-1/2" x 1-1/2"



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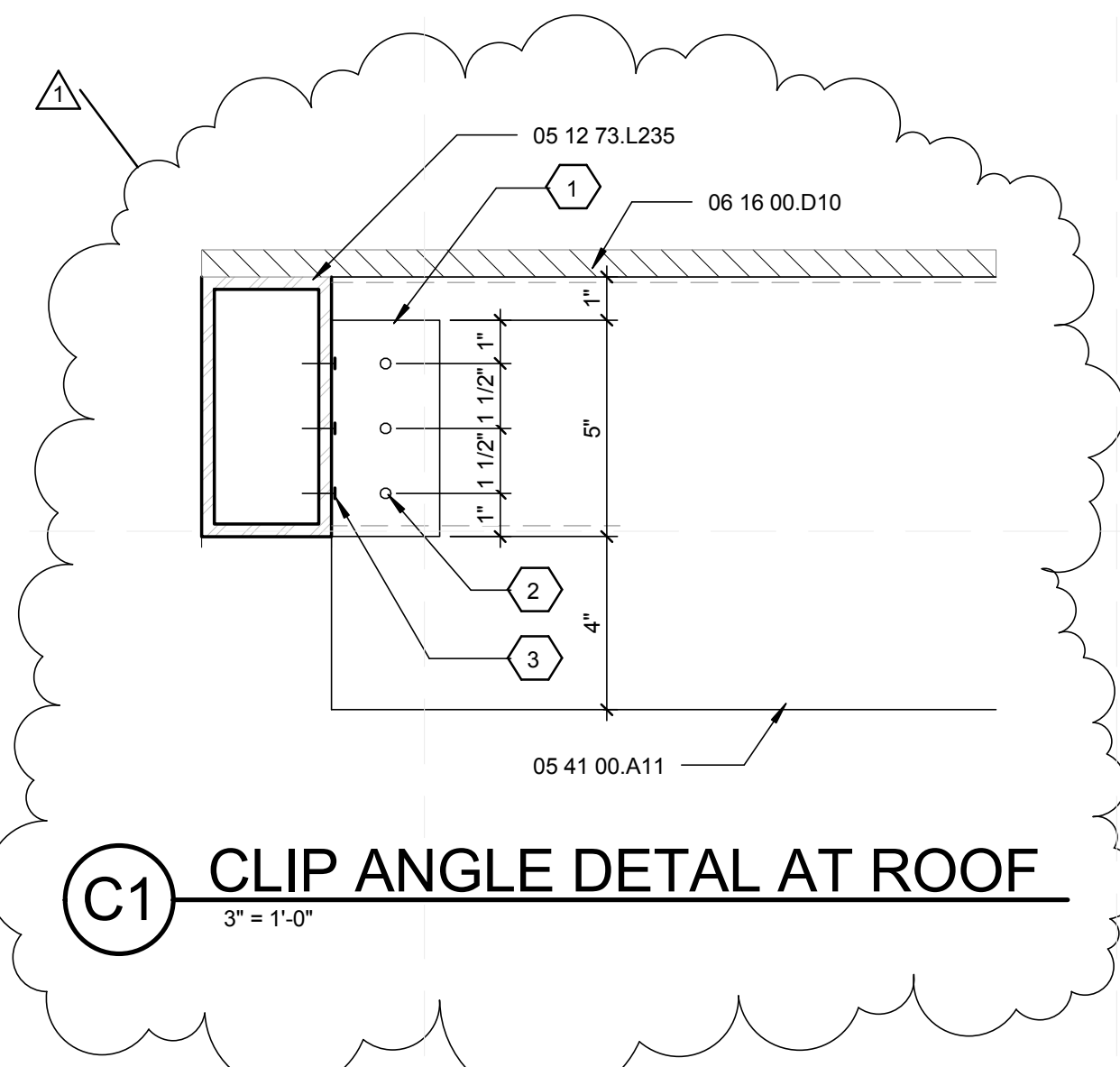
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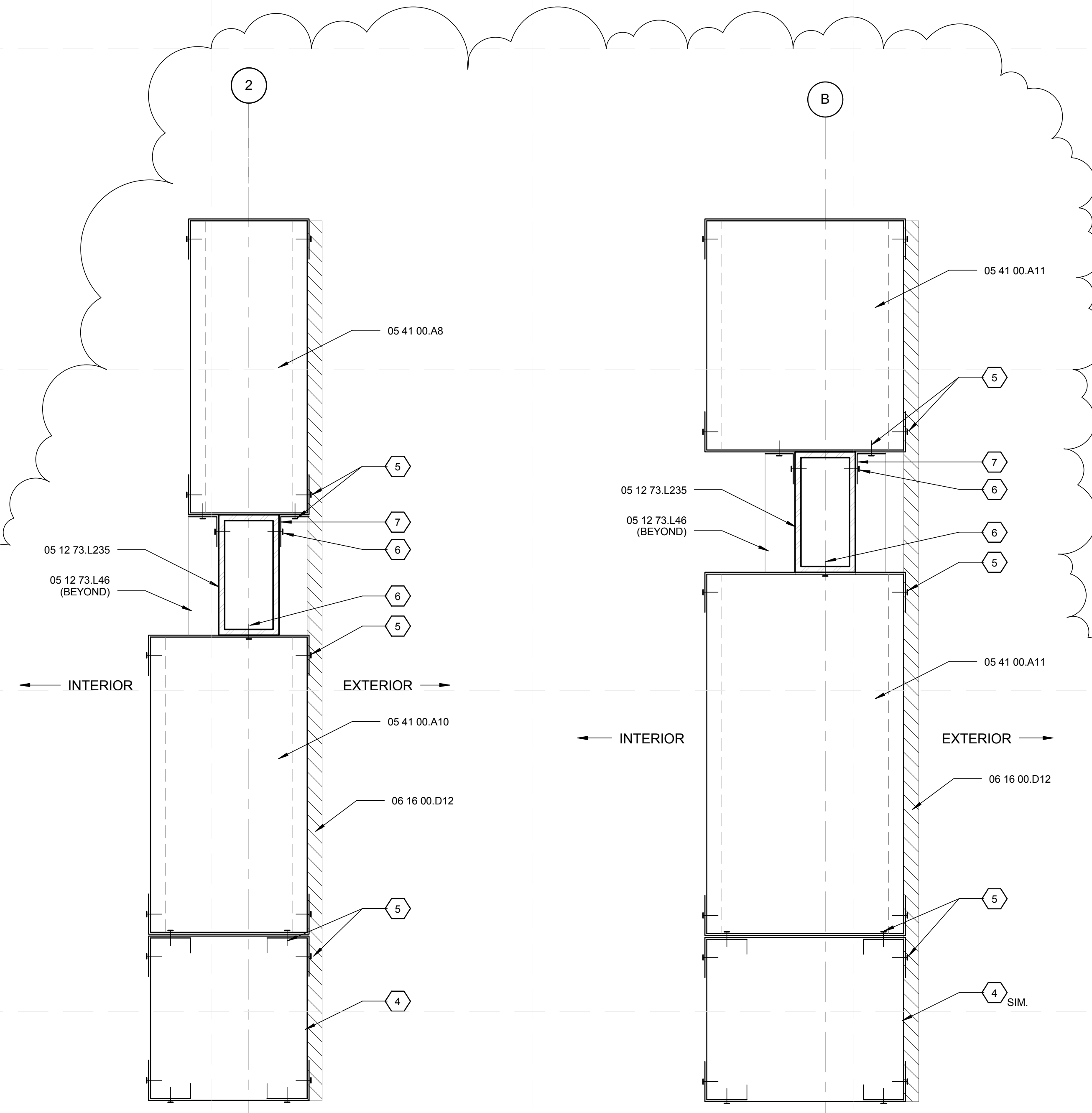
LIGHT-GAUGE FRAMING DETAILS

SHEET NUMBER

S-701

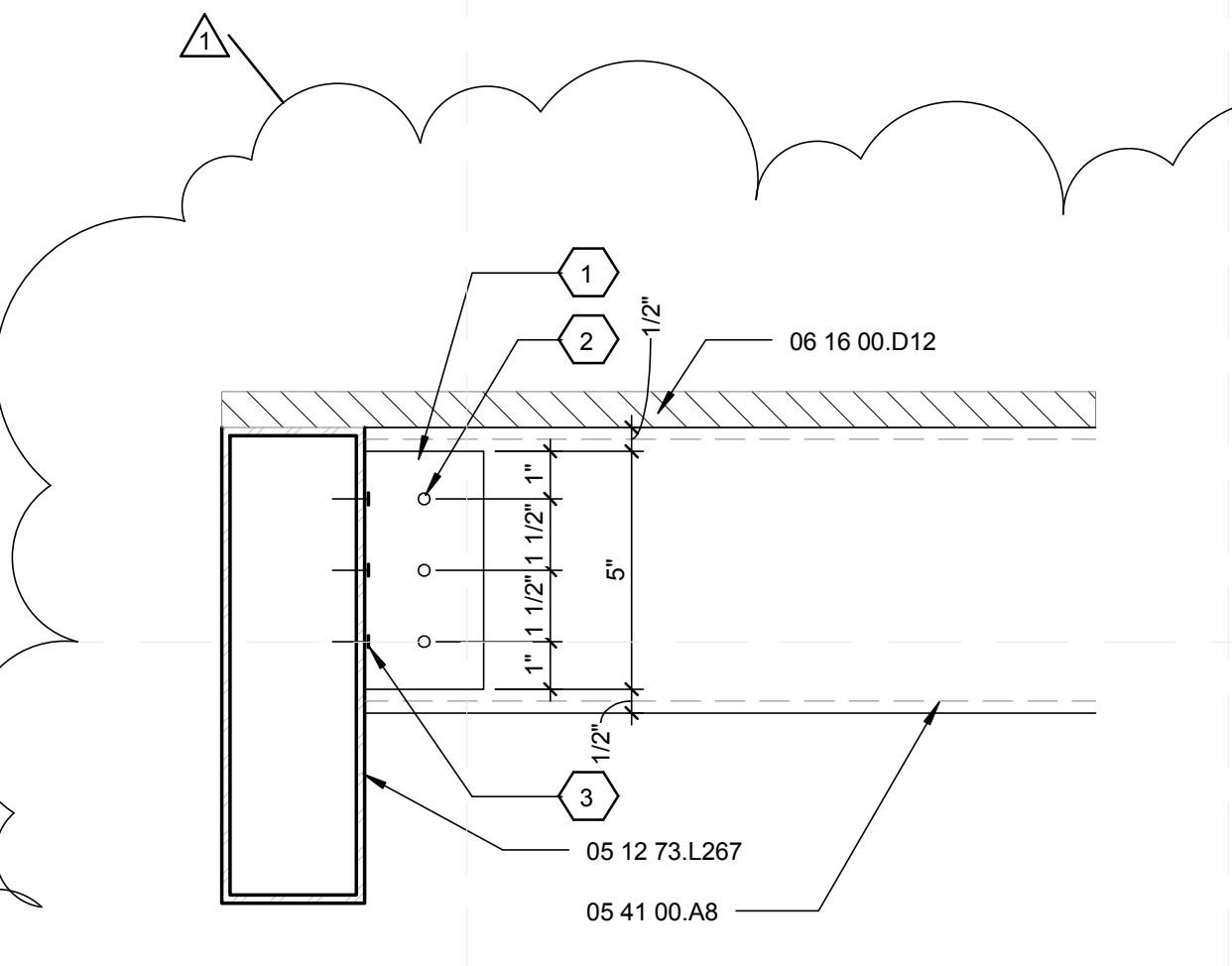


A1 CLIP ANGLE DETAIL AT FLOOR
 3" = 1'-0"

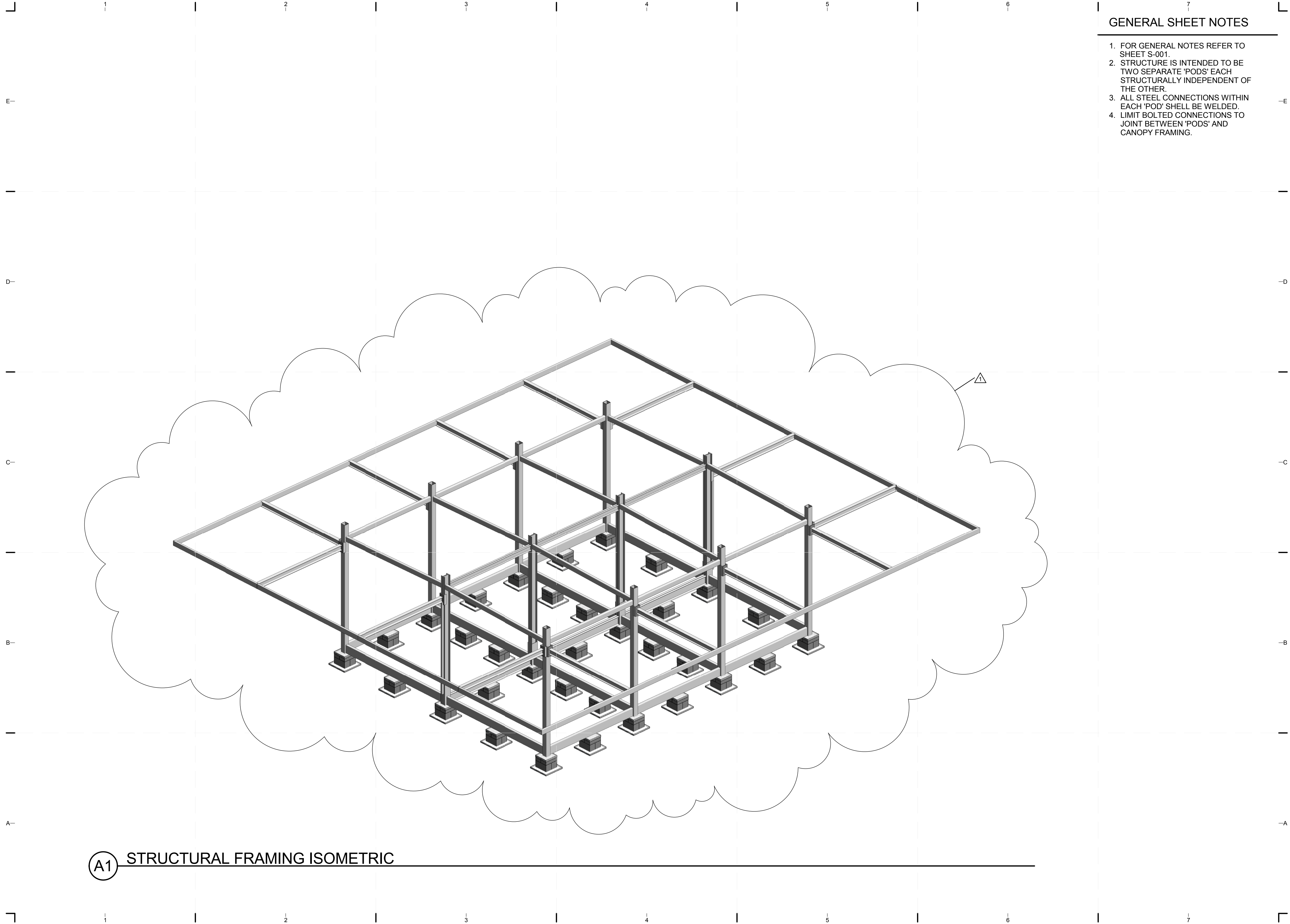


A3 HEADER/PARAPET FRAMING-N
 3" = 1'-0"

A5 HEADER/PARAPET FRAMING-W
 3" = 1'-0"

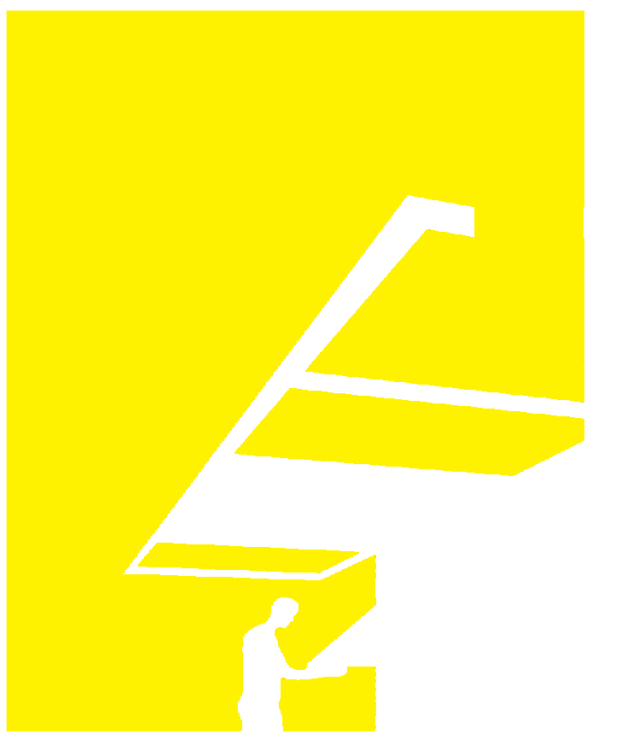


A1 CLIP ANGLE DETAIL AT FLOOR
 3" = 1'-0"



GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET S-001.
2. STRUCTURE IS INTENDED TO BE TWO SEPARATE 'PODS' EACH STRUCTURALLY INDEPENDENT OF THE OTHER.
3. ALL STEEL CONNECTIONS WITHIN EACH 'POD' SHALL BE WELDED.
4. LIMIT BOLTED CONNECTIONS TO JOINT BETWEEN 'PODS' AND CANOPY FRAMING.



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FRAMING ISOMETRICS

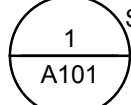
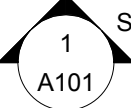

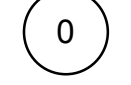
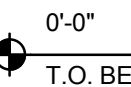
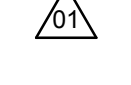
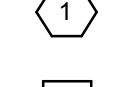

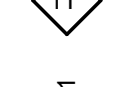
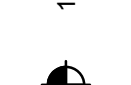


SHEET NUMBER

S-901

A1 STRUCTURAL FRAMING ISOMETRIC

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ARCHITECTURAL SYMBOLS LEGEND

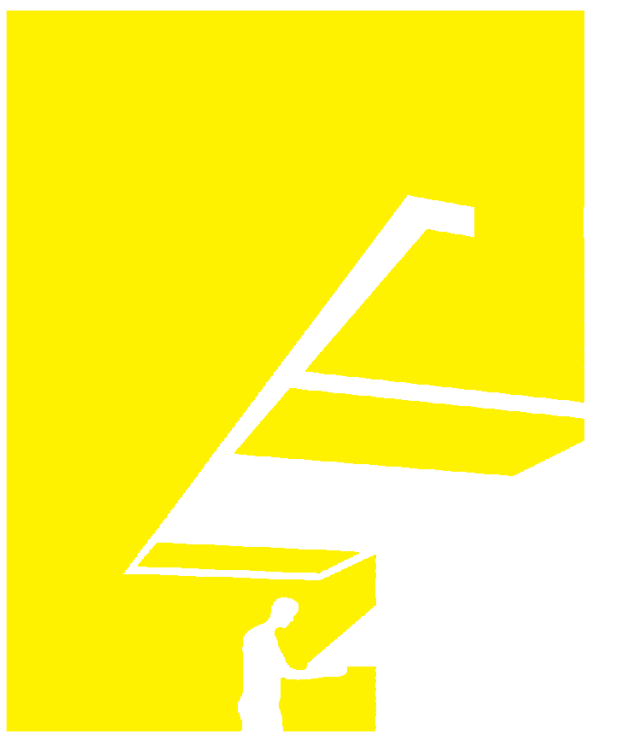
ROOM NAME	ROOM DESIGNATION
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	DETAIL
	SECTION
	ELEVATION
	COLUMN GRID
	ROOM TAG
	REVISION
	SHEET KEYNOTE
	WALL TYPE
	WINDOW TYPE
	DOOR DESIGNATION
	SPOT ELEVATION
	NORTH ARROW



C4 DRAWING BLOCK TITLE
 1 1/2" = 1'-0"

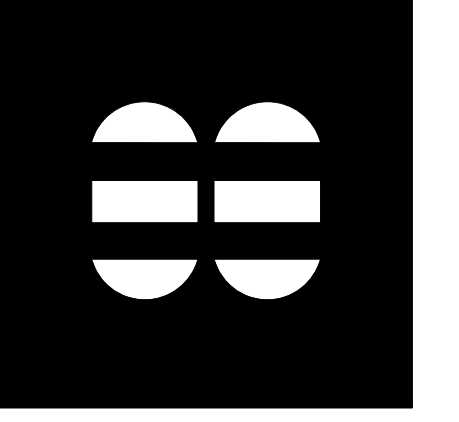
SHEET NO.	ARCHITECTURAL INDEX OF DRAWINGS SHEET NAME
A-001	ARCHITECTURAL SYMBOLS AND NOTES
A-101	SITE PLAN
A-111	FLOOR PLAN
A-112	ROOF PLAN
A-113	ROOF DETAILS
A-211	ELEVATIONS
A-212	ELEVATIONS
A-301	BUILDING SECTIONS
A-302	BUILDING SECTIONS
A-311	WALL SECTIONS
A-501	PLAN DETAILS
A-511	SECTION DETAILS
A-512	SECTION DETAILS
A-513	SECTION DETAILS
A-514	LOUVER DETAILS
A-521	DOOR SCHEDULE
A-522	DOOR SCHEDULE
A-523	DOOR SCHEDULE
A-531	WINDOW SCHEDULE
A-603	MOVEABLE COMPONENT DIAGRAM
A-604	MOVEABLE COMPONENT DIAGRAM
A-901	ARCHITECTURAL RENDERINGS
A-902	ARCHITECTURAL RENDERINGS

ABBREVIATIONS	
AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
B.O.	BOTTOM OF
CFM	CUBIC FEET PER MINUTE
COL	COLUMN
CONC	CONCRETE
CW	COLD WATER
DC	DIRECT CURRENT
EA	EACH
F.F.E.	FINISHED FLOOR ELEVATION
FIU	FLORIDA INTERNATIONAL UNIVERSITY
GA	GAUGE
GYP	GYPSUM
HSS	HOLLOW STEEL SECTION
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
INSUL	INSULATION
MAX	MAXIMUM
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MIN	MINIMUM
MTL	METAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PFAS	PERSONAL FALL ARREST SYSTEM
PV	PHOTOVOLTAIC
RAD	RADIUS
R.O.	ROUGH OPENING
RWL	RAIN WATER LEADER
S.F.	SQUARE FEET
SIM	SIMILAR
STL	STEEL
T.O.	TOP OF
T&G	TONGUE & GROOVE
TYP	TYPICAL



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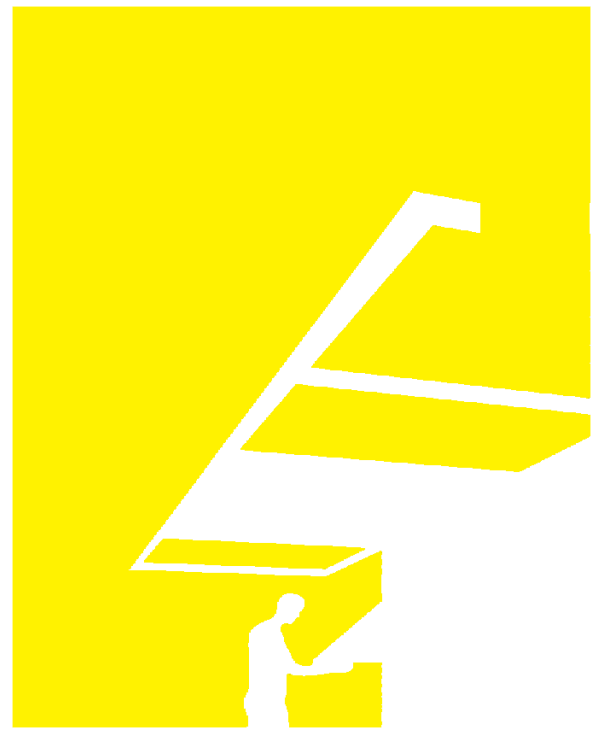
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ARCHITECTURAL SYMBOLS AND NOTES
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A-001

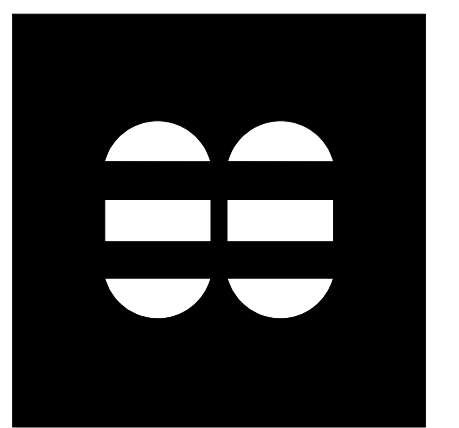
GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET A-001.
2. FOR ADDITIONAL INFORMATION ON DECK AND PLANTINGS, REFER TO LANDSCAPE DRAWINGS.
3. FOR INFORMATION ON WATER TANKS, REFER TO SHEETS L-102 AND P-101.



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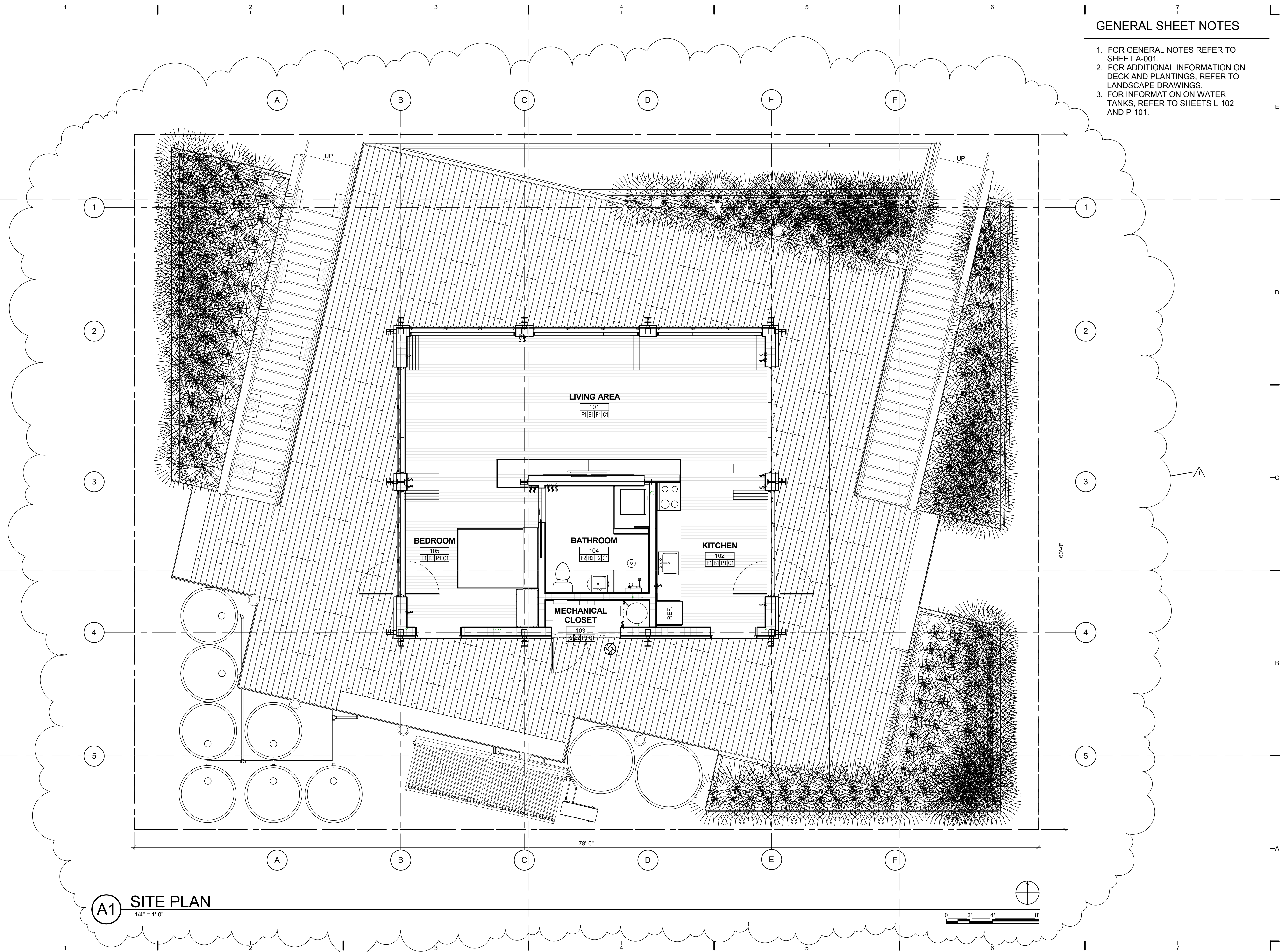
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SITE PLAN

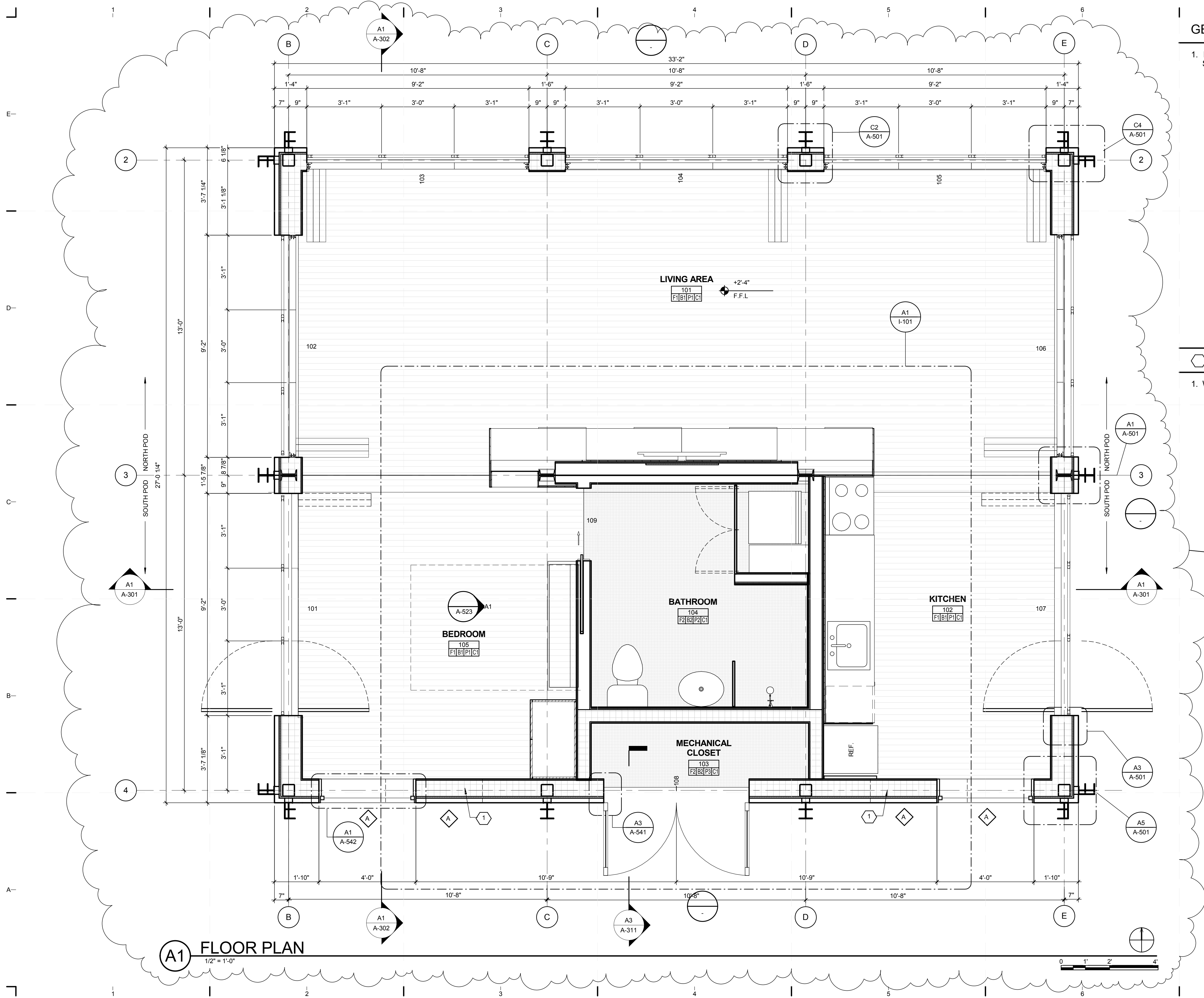
SHEET NUMBER

A-101



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

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A1 FLOOR PLAN
 1/2" = 1'-0"

GENERAL SHEET NOTES

1. FOR GENERAL NOTES REFER TO SHEET A-001.

SHEET KEYNOTES

1. WINDOW ABOVE.



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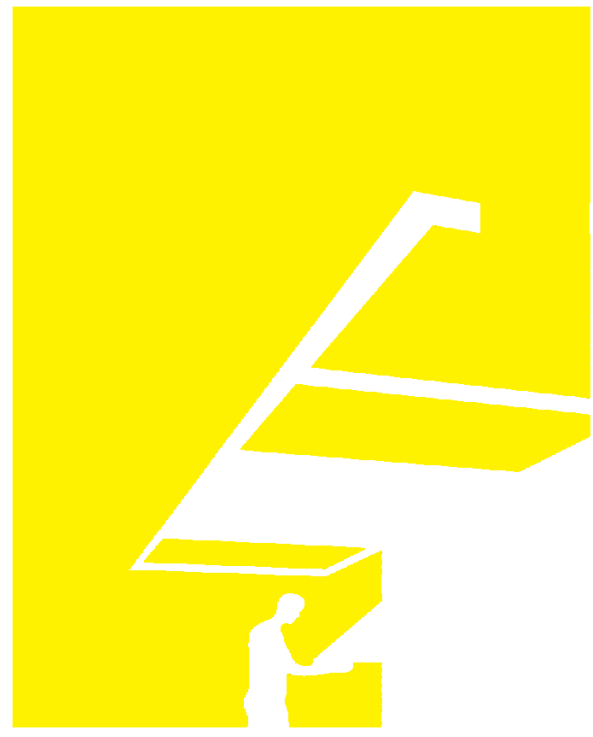
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FLOOR PLAN

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A-111

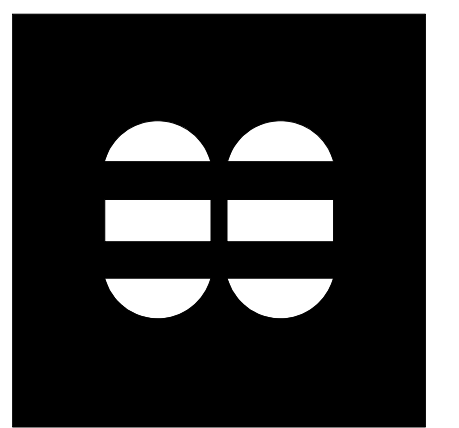
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EFIN ROOFING



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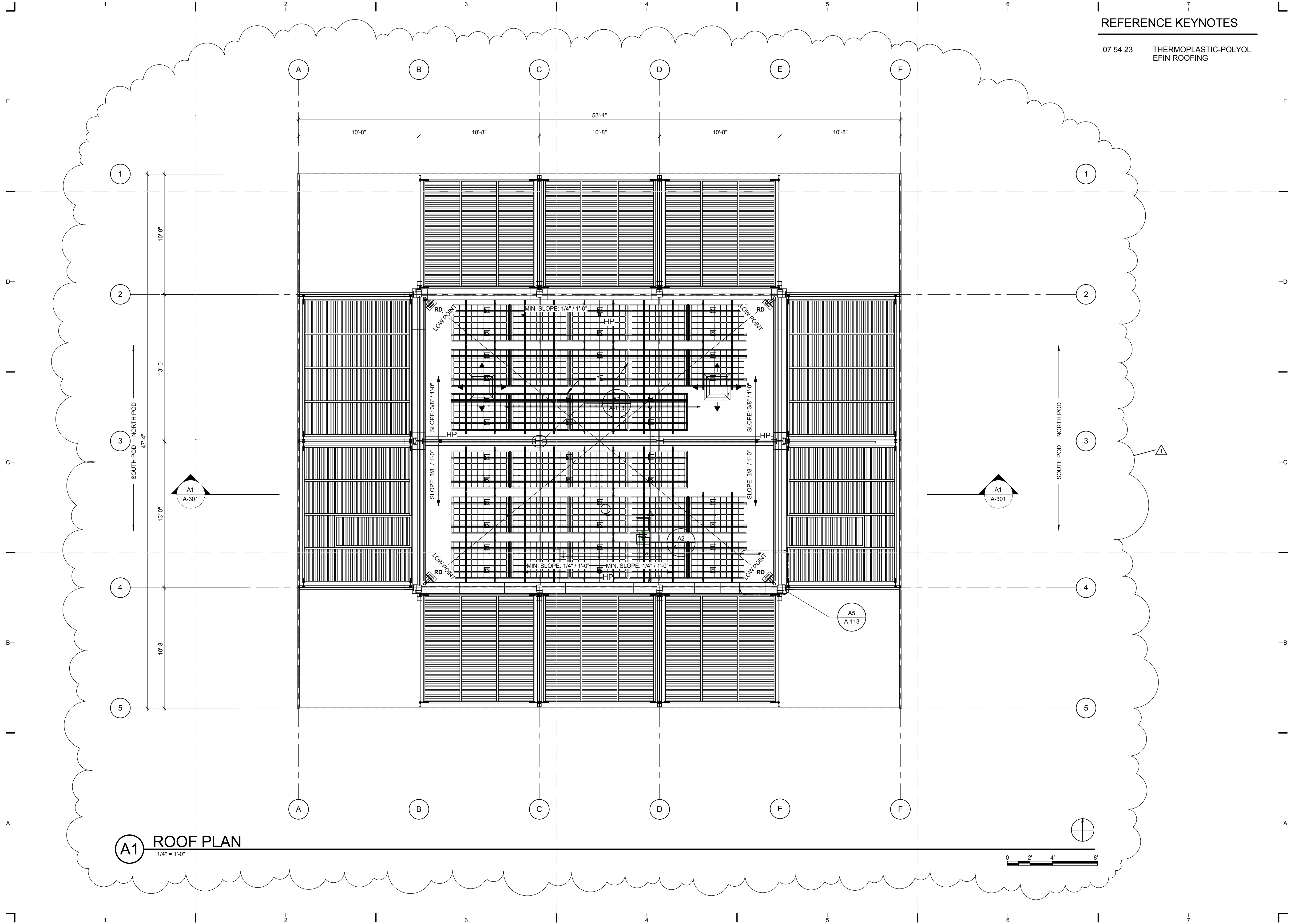
SHEET TITLE

ROOF PLAN

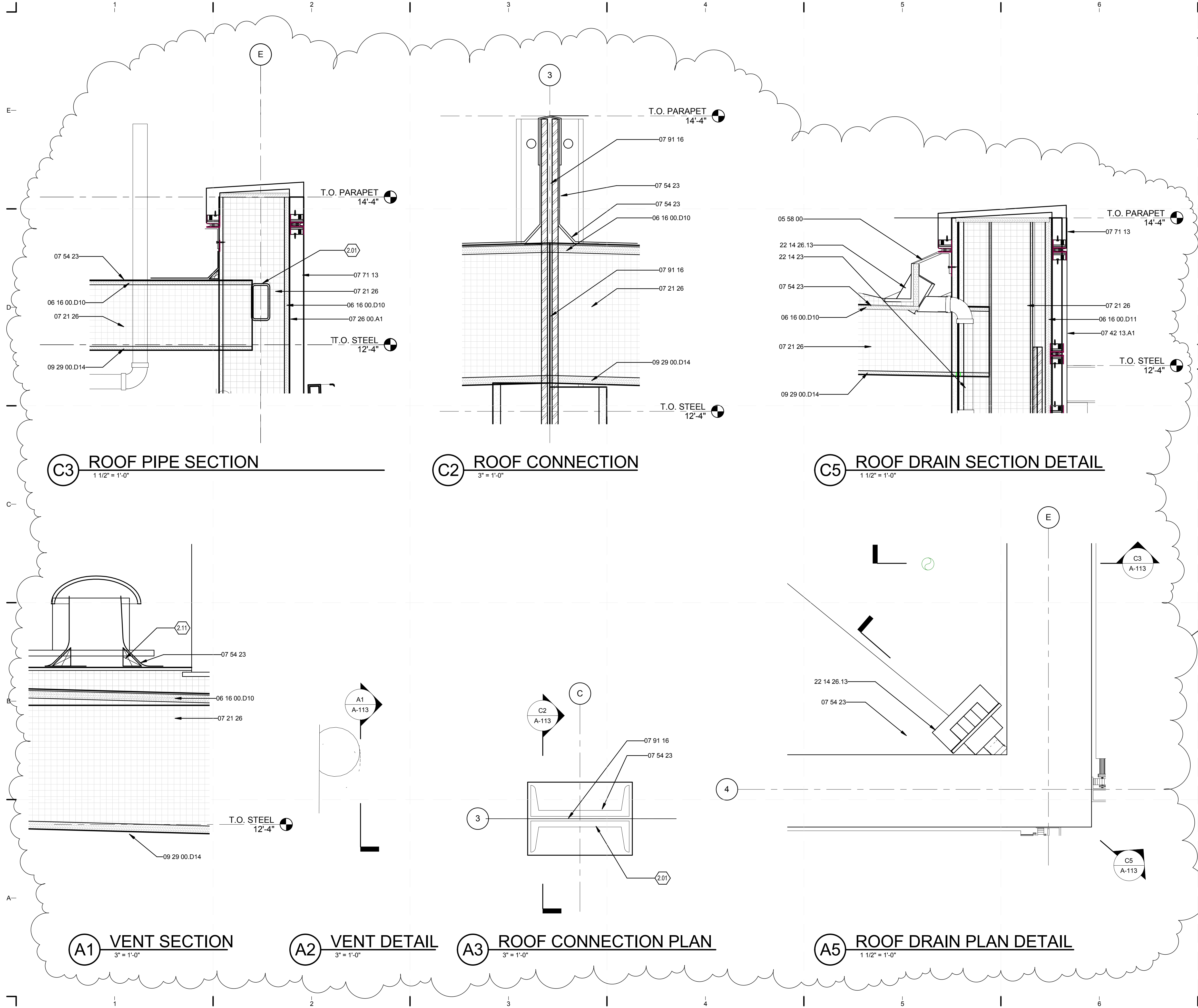
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A-112

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



GENERAL SHEET NOTES

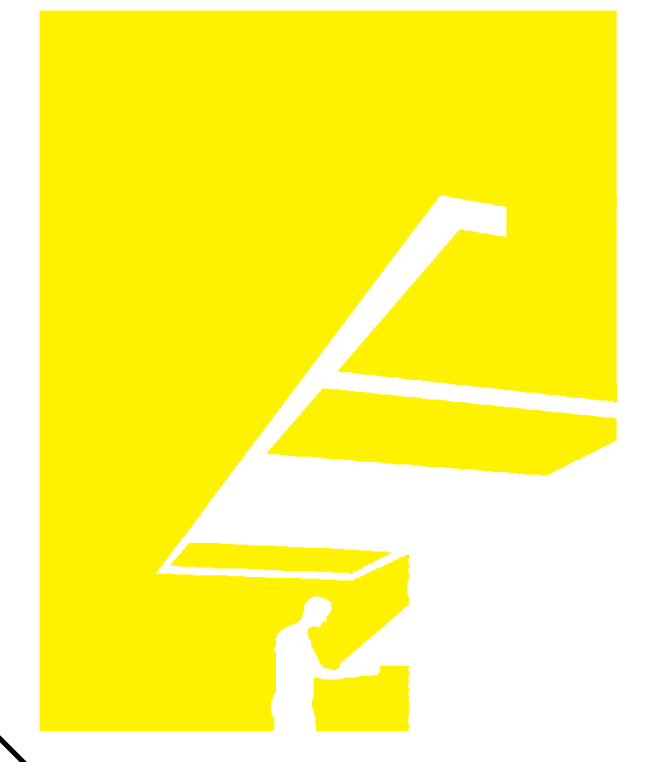
1. FOR GENERAL NOTES REFER TO SHEET L-001.
2. ALL PLANTS SHALL REMAIN IN POTS

REFERENCE KEYNOTES

05 58 00	FORMED METAL FABRICATIONS
06 16 00.D10	5/8" EXTERIOR GRADE PLYWOOD
06 16 00.D11	3/4" PLYWOOD
07 21 26	SPRAYED INSULATION
07 26 00.A1	MOISTURE BARRIER
07 42 13.A1	METAL PANELS BY ALCOA
07 54 23	THERMOPLASTIC-POLYOLEFIN ROOFING
07 71 13	MANUFACTURED COPINGS
07 91 16	JOINT GASKETS
09 29 00.D14	5/8" MAGNUM WALLBOARD
22 14 23	STORM DRAINAGE PIPING SPECIALTIES
22 14 26.13	ROOF DRAINS

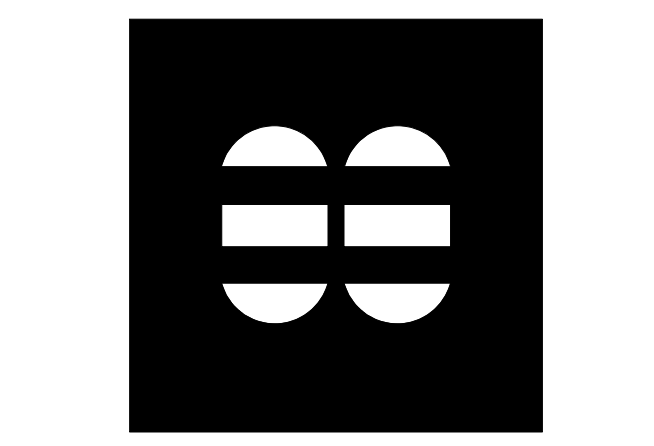
SHEET KEYNOTES

- 2.01 STRUCT STEEL. SEE STRUCTURAL DWGS
- 2.11



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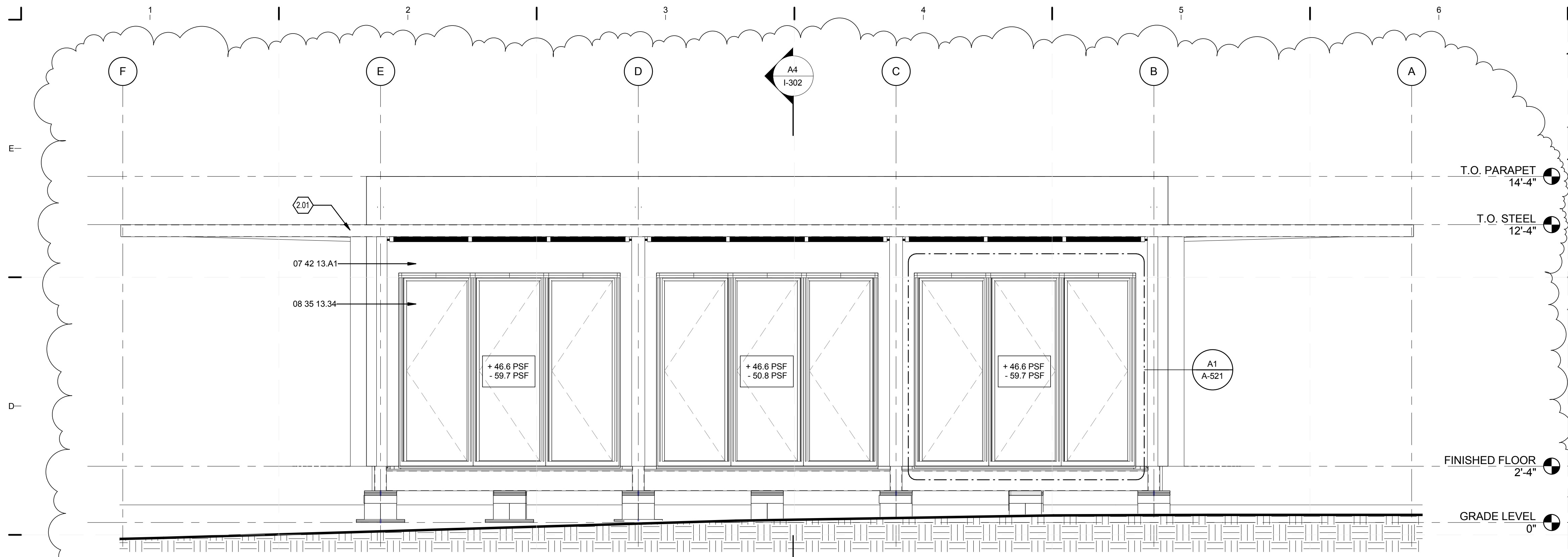
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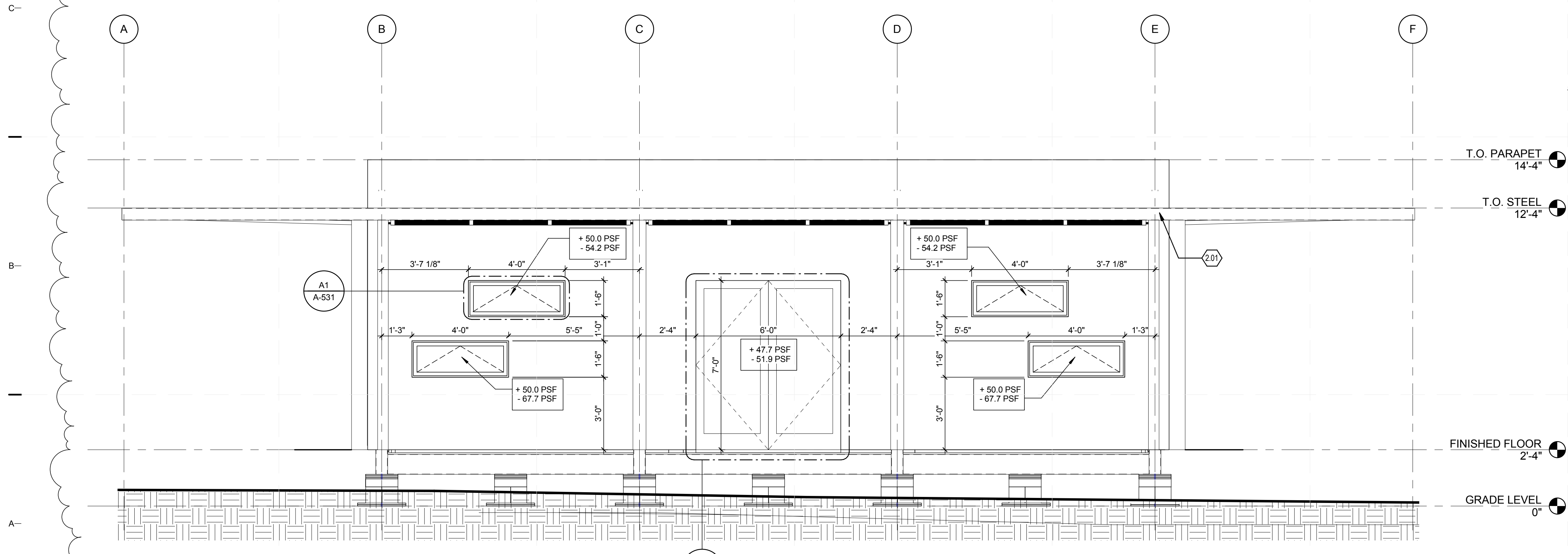
ROOF DETAILS

SHEET NUMBER
A-113

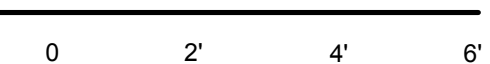
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C1 ELEVATION NORTH
3/8" = 1'-0"



A1 ELEVATION SOUTH
3/8" = 1'-0"



GENERAL SHEET NOTES

1. NOTE: DECK NOT SHOWN FOR CLARITY; FOR DECK ELEVATIONS LANDSCAPE SHEETS

REFERENCE KEYNOTES

07 42 13.A1 METAL PANELS BY ALCOA
08 35 13.34

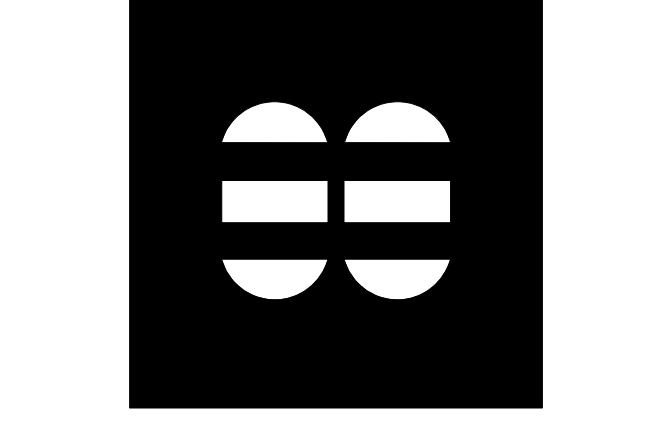
SHEET KEYNOTES

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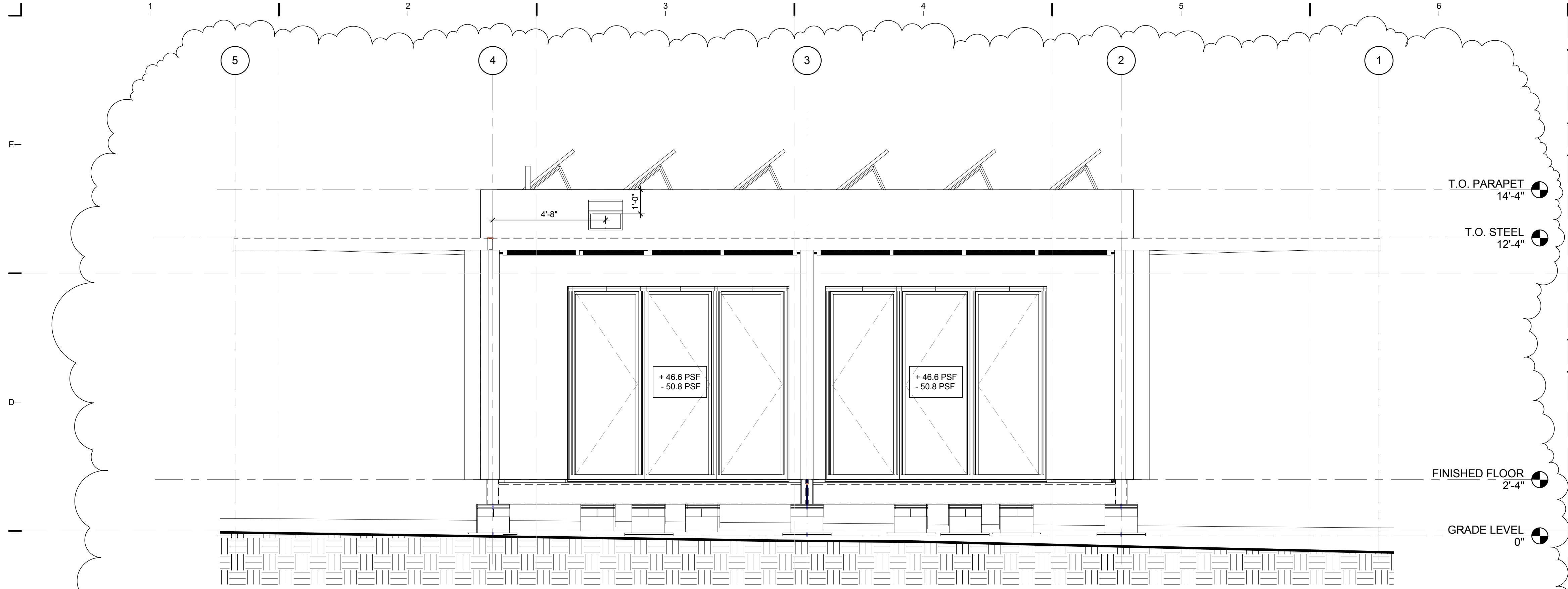
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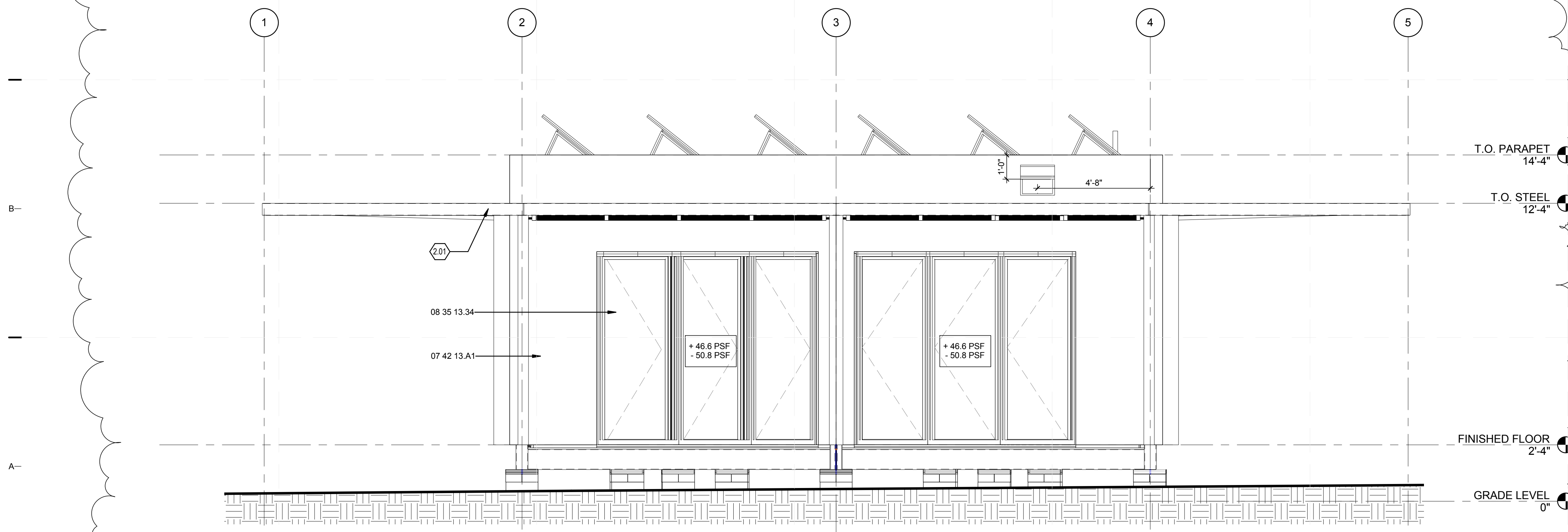
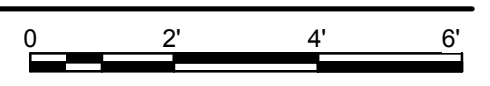
ELEVATIONS

SHEET NUMBER
A-211

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C1 ELEVATION EAST
3/8" = 1'-0"



A1 ELEVATION WEST
3/8" = 1'-0"



GENERAL SHEET NOTES

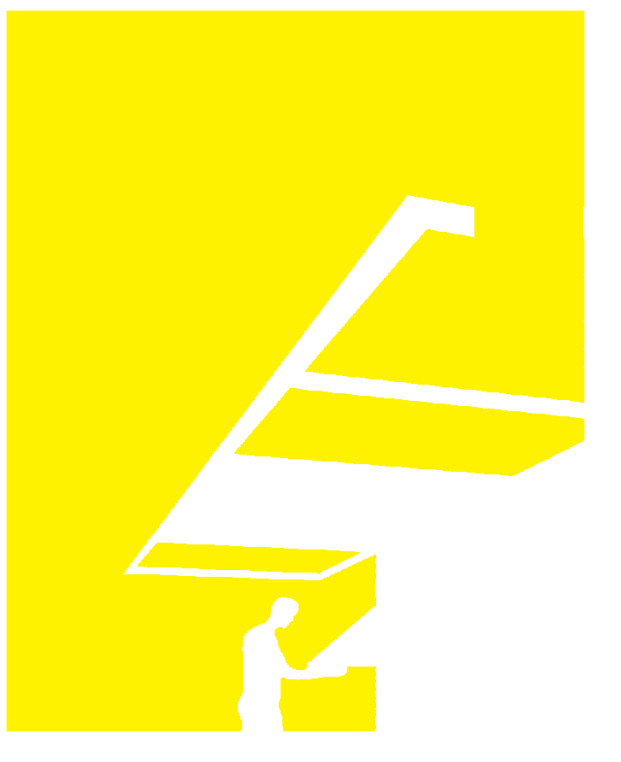
1. FOR DECK ELEVATIONS SEE L-201 & L-202

REFERENCE KEYNOTES

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08 35 13.34

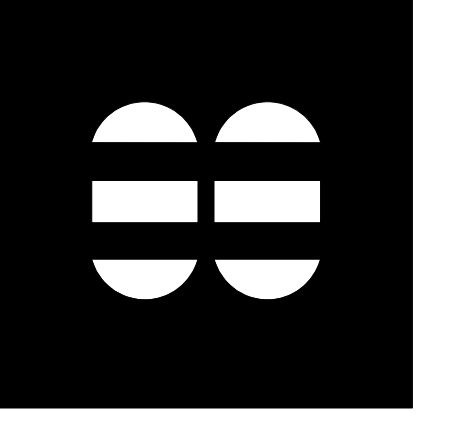
SHEET KEYNOTES

2.01 STRUCT STEEL. SEE STRUCTURAL DWGS



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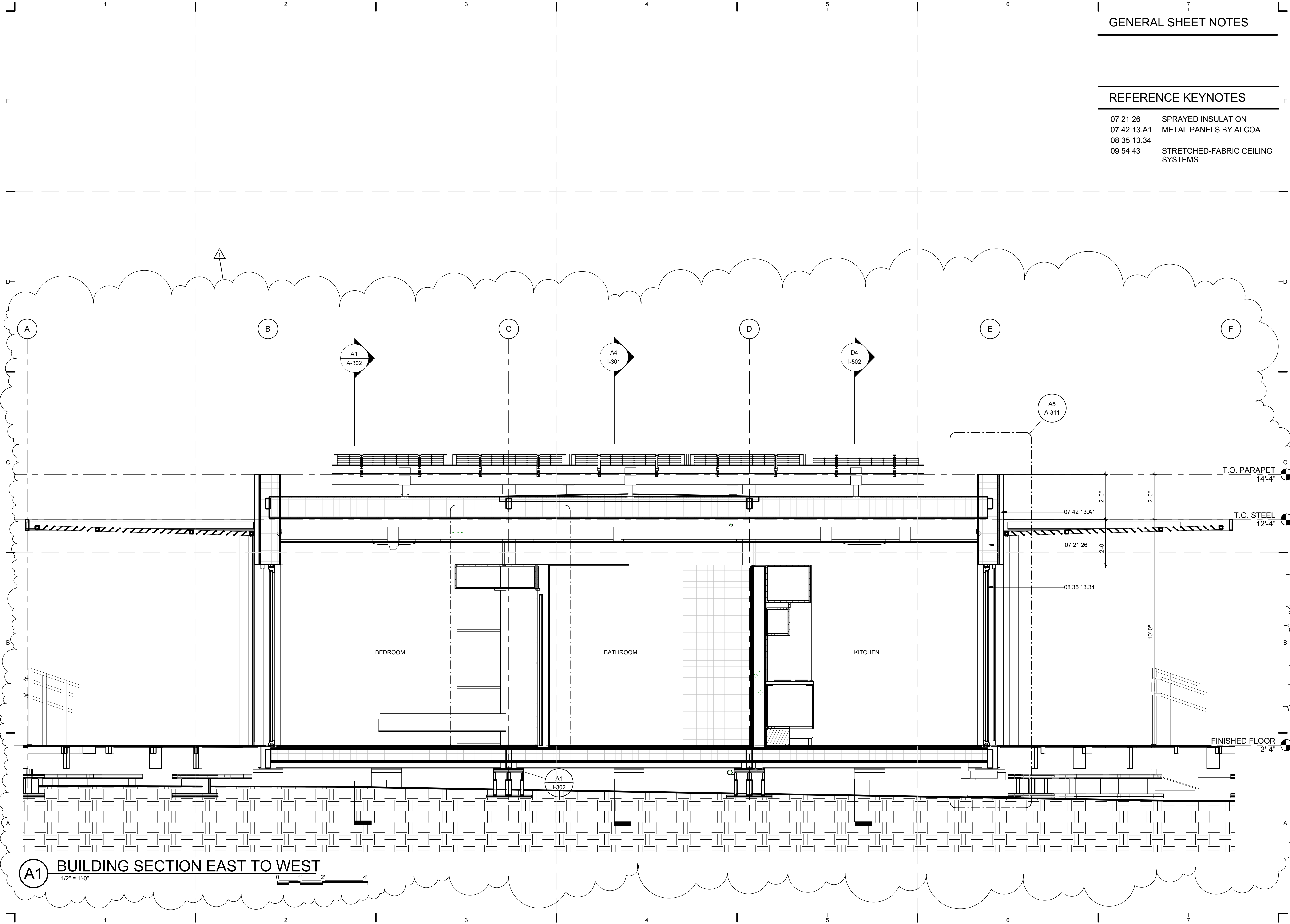
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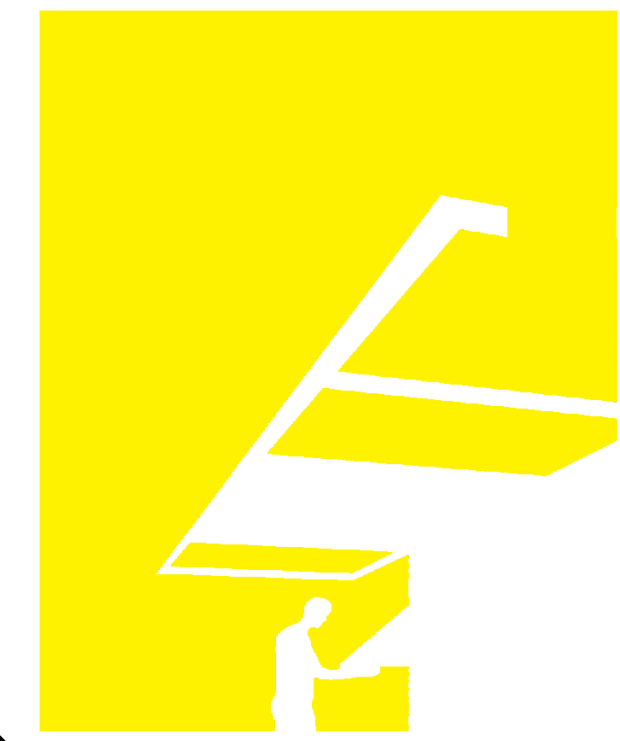
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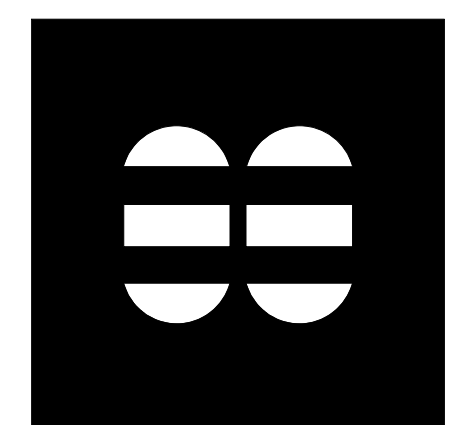
REFERENCE KEYNOTES

- 07 21 26 SPRAYED INSULATION
- 07 42 13.A1 METAL PANELS BY ALCOA
- 08 35 13.34
- 09 54 43 STRETCHED-FABRIC CEILING SYSTEMS



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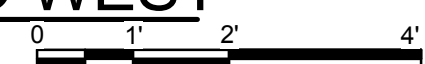
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BUILDING SECTIONS

SHEET NUMBER
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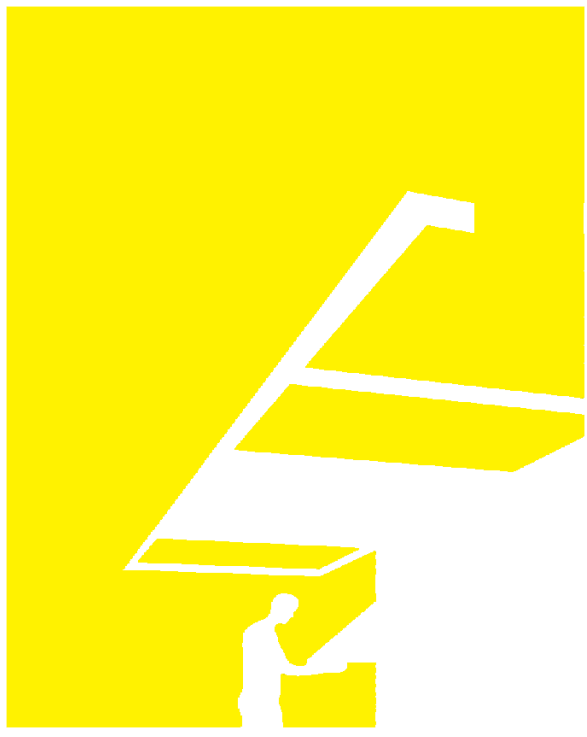
A1 BUILDING SECTION EAST TO WEST
 1/2" = 1'-0"



GENERAL SHEET NOTES

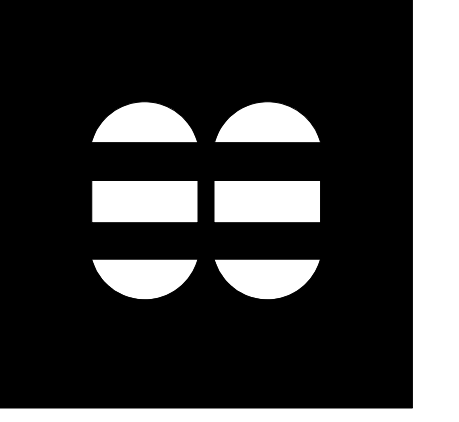
REFERENCE KEYNOTES

- 06 15 33 WOOD PATIO DECKING
- 07 14 17 SPRAYED INSULATION
- 07 21 26 METAL PANELS BY ALCOA
- 08 35 13.34 ALUMINUM WINDOWS
- 08 51 13 OPERABLE LOUVERED PANELS
- 08 91 27 INSECT SCREEN BY NANAWALL
- 10 81 16.A1 SOLAR PANEL BY SUN POWER
- 48 14 13.20



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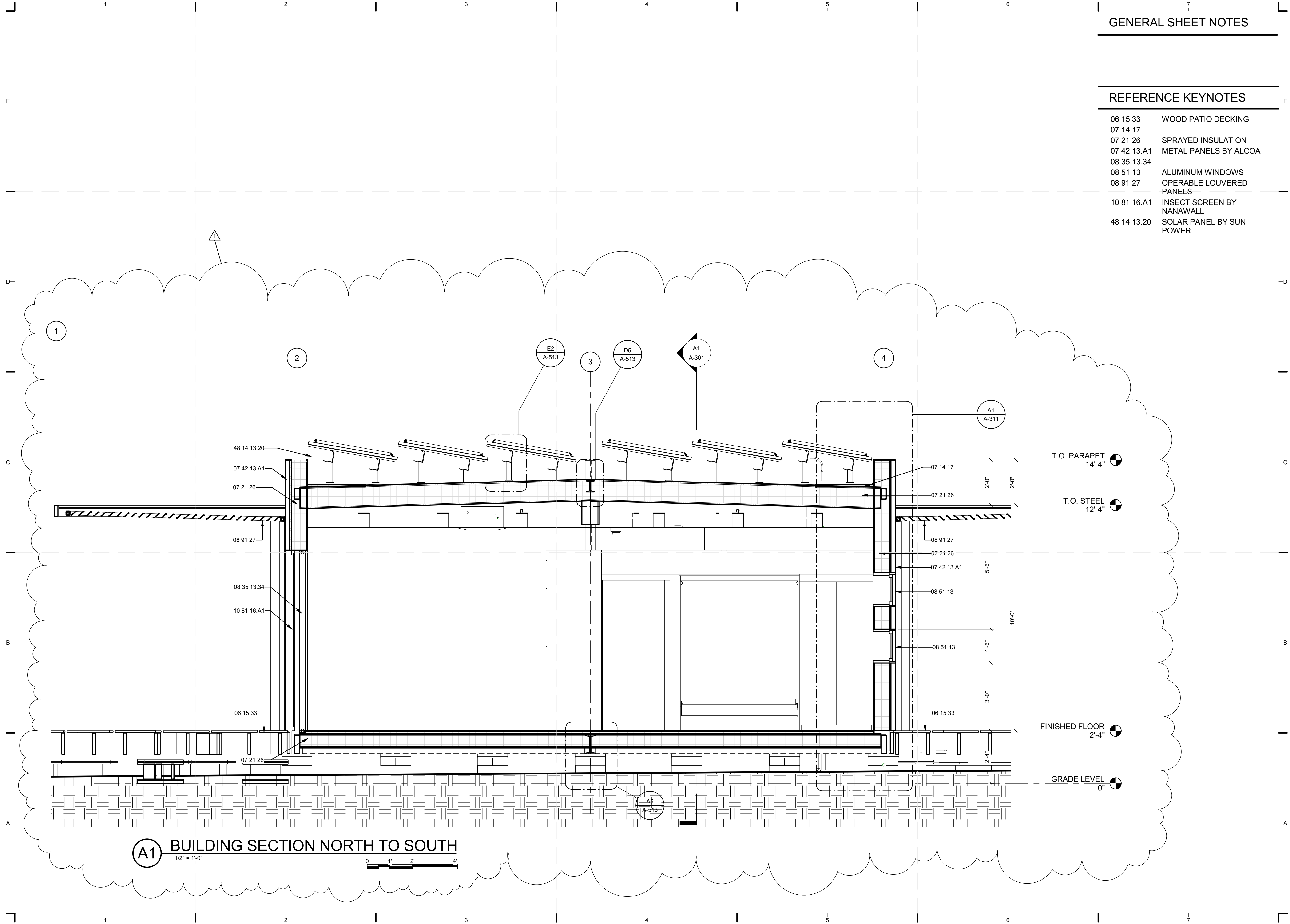
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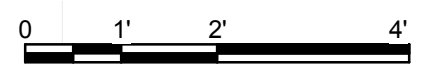
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BUILDING SECTIONS

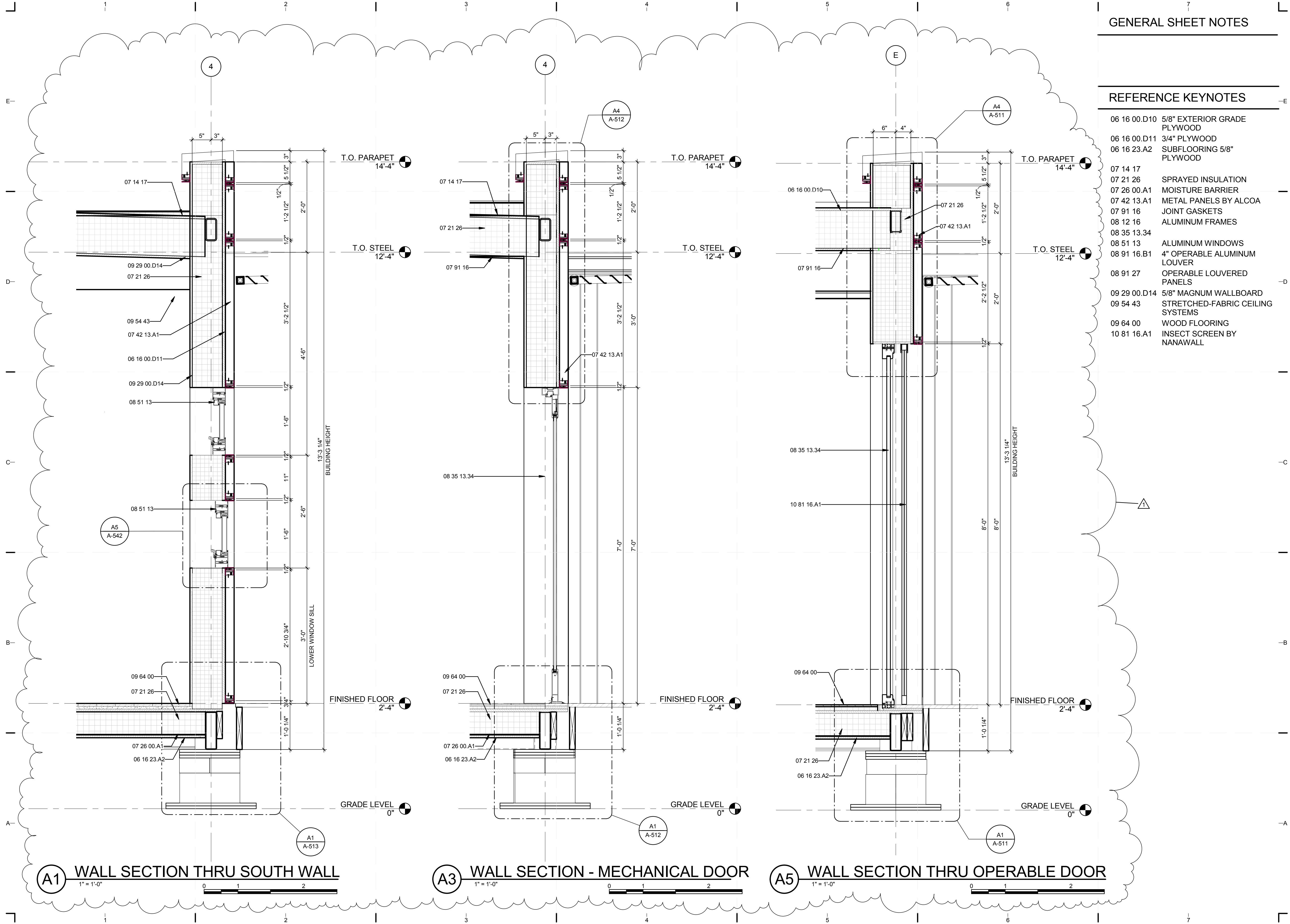
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A-302



A1 BUILDING SECTION NORTH TO SOUTH
 1/2" = 1'-0"



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GENERAL SHEET NOTES

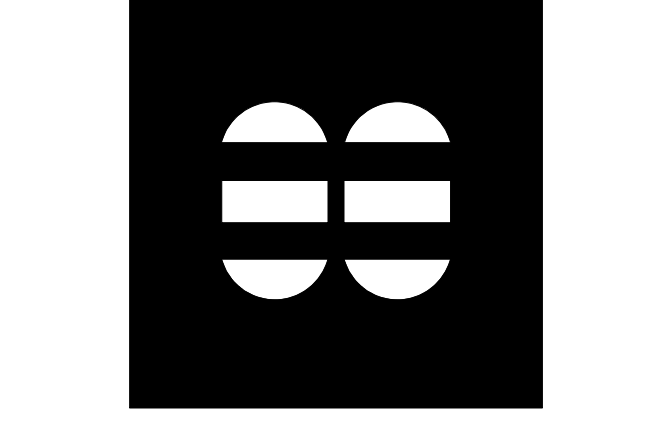
REFERENCE KEYNOTES

- 06 16 00.D10 5/8" EXTERIOR GRADE PLYWOOD
- 06 16 00.D11 3/4" PLYWOOD
- 06 16 23.A2 SUBFLOORING 5/8" PLYWOOD
- 07 14 17
- 07 21 26 SPRAYED INSULATION
- 07 26 00.A1 MOISTURE BARRIER
- 07 42 13.A1 METAL PANELS BY ALCOA
- 07 91 16 JOINT GASKETS
- 08 12 16 ALUMINUM FRAMES
- 08 35 13.34
- 08 51 13 ALUMINUM WINDOWS
- 08 91 16.B1 4" OPERABLE ALUMINUM LOUVER
- 08 91 27 OPERABLE LOUVERED PANELS
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 54 43 STRETCHED-FABRIC CEILING SYSTEMS
- 09 64 00 WOOD FLOORING
- 10 81 16.A1 INSECT SCREEN BY NANAWALL



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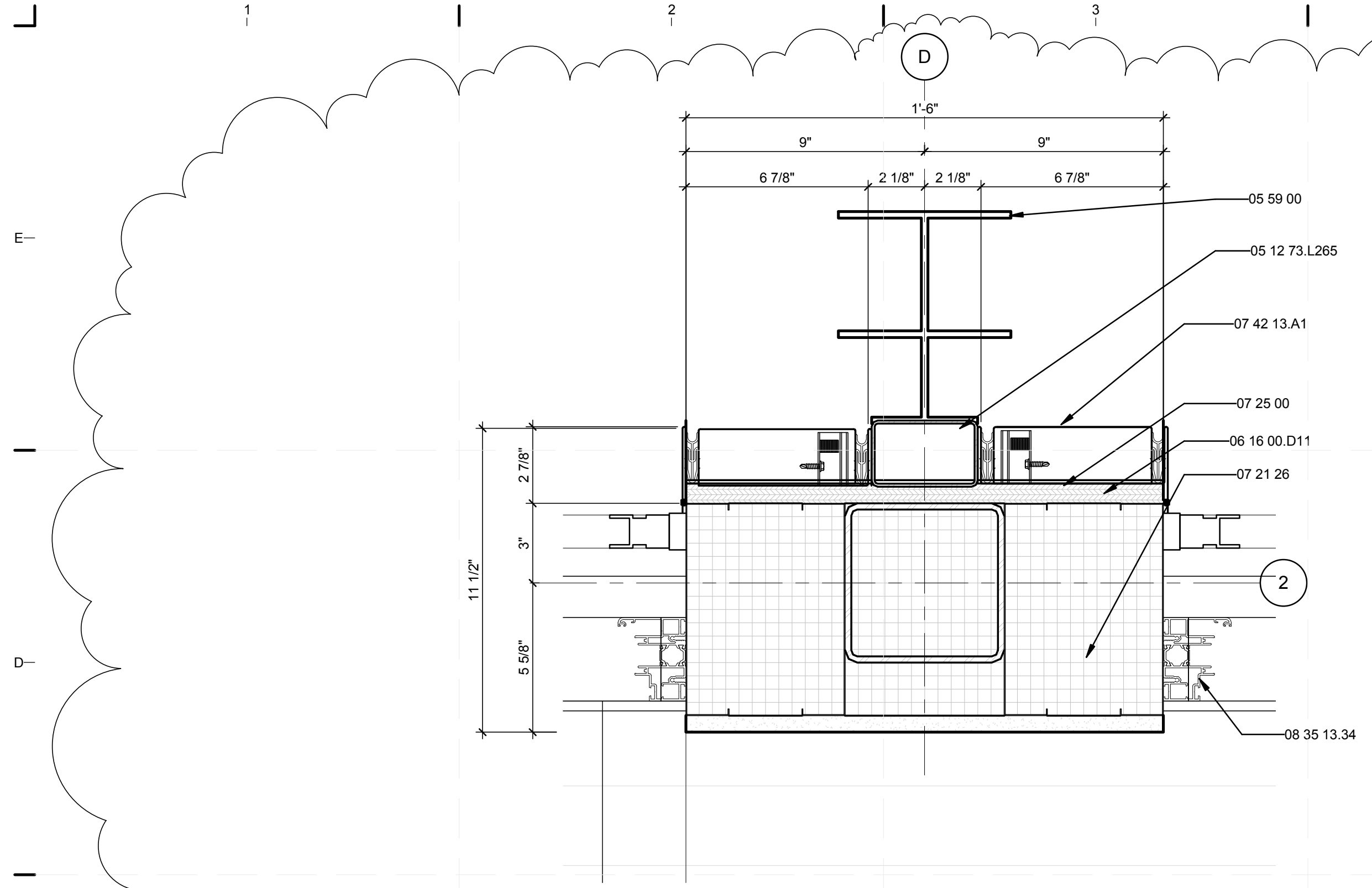
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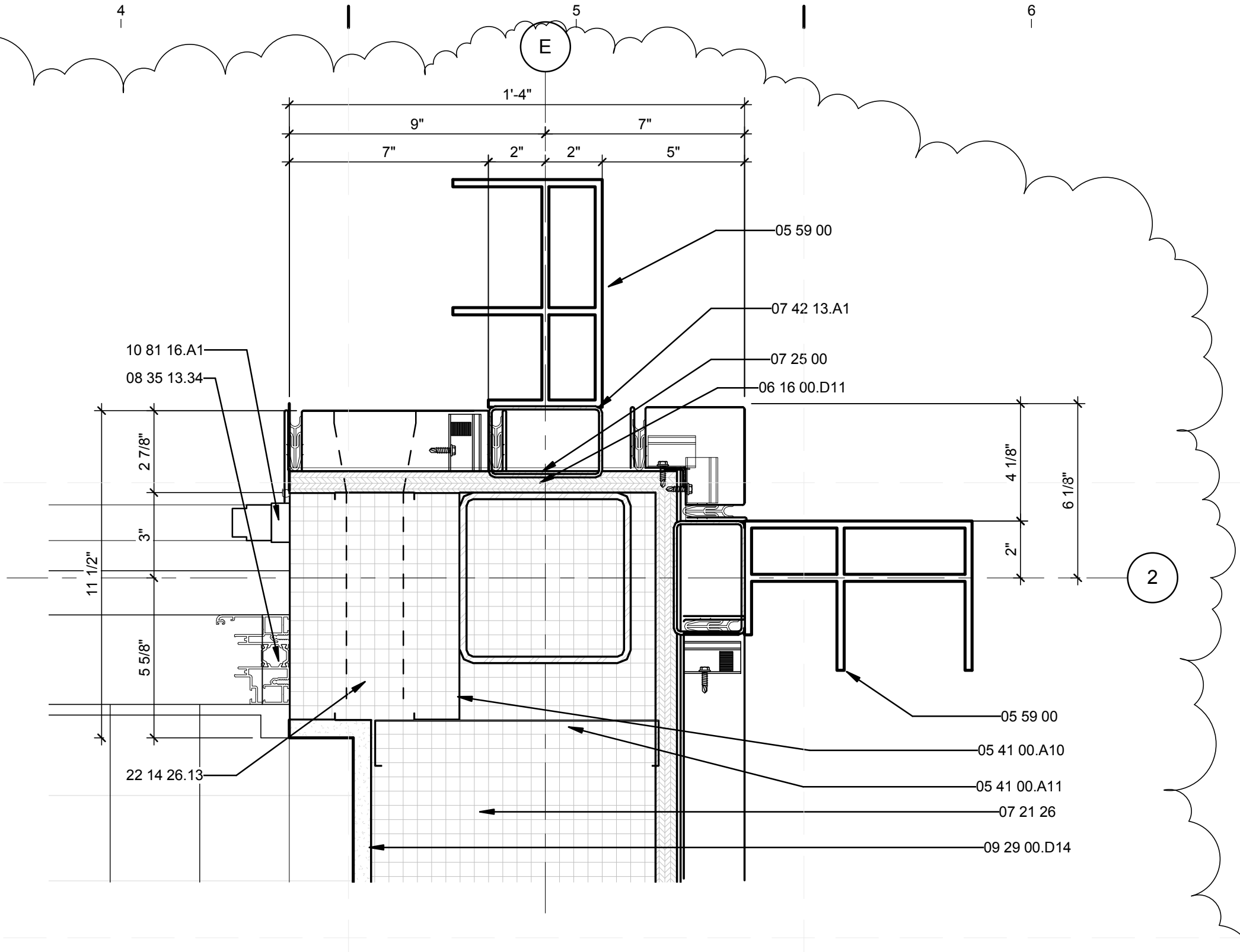
WALL SECTIONS

SHEET NUMBER
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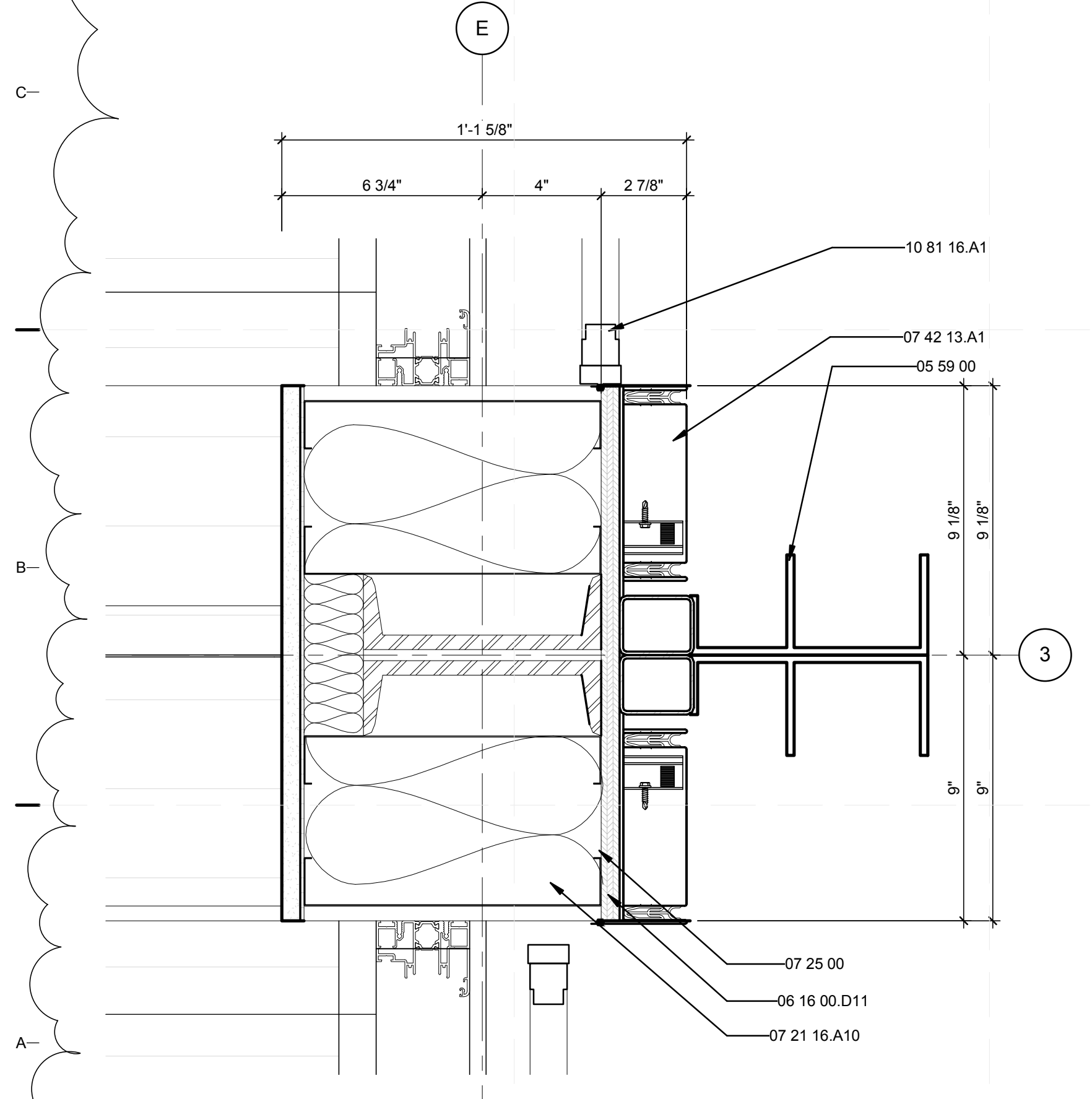
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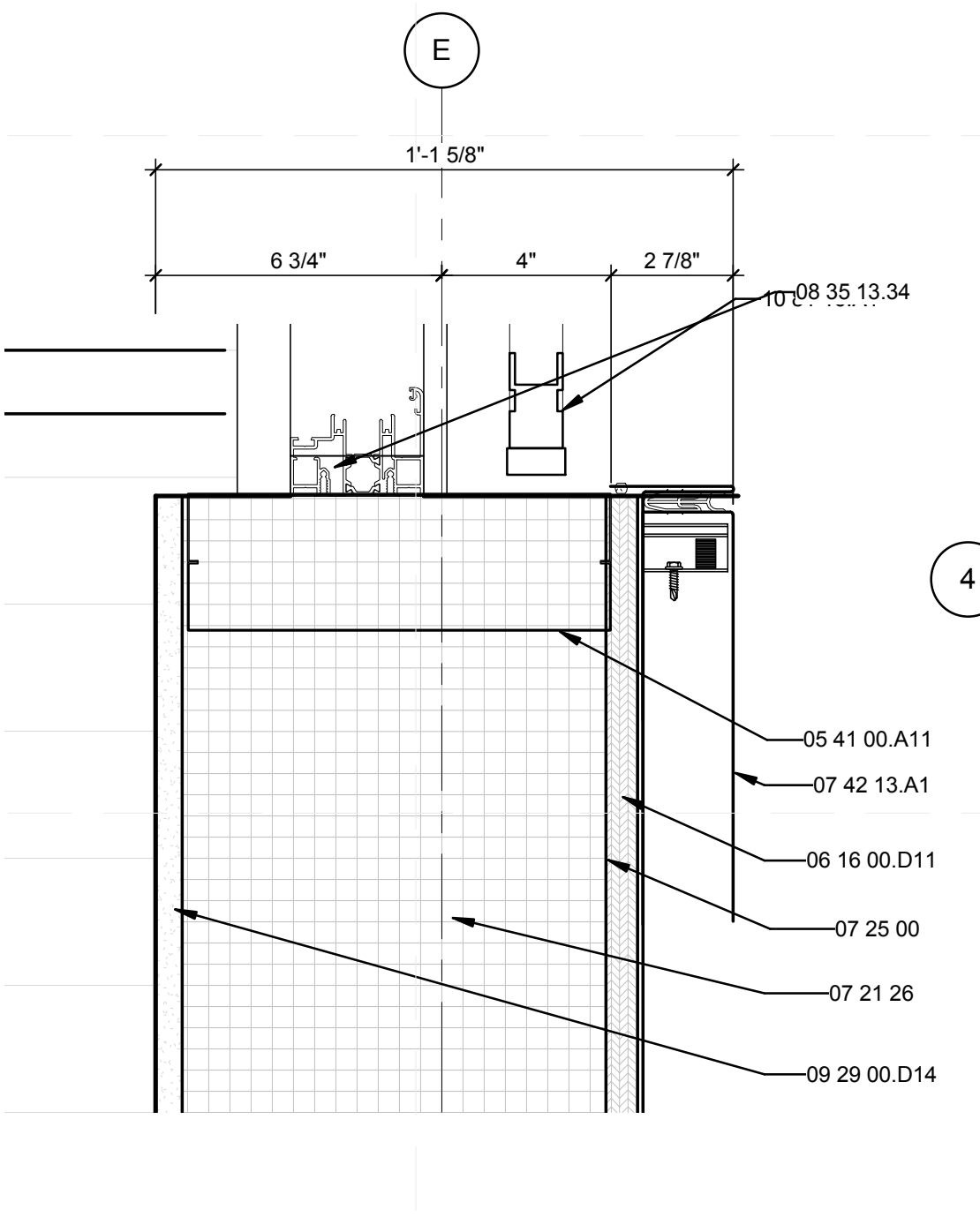
C2 PLAN DETAIL @ D2
 3" = 1'-0" 0 3" 6" 1'



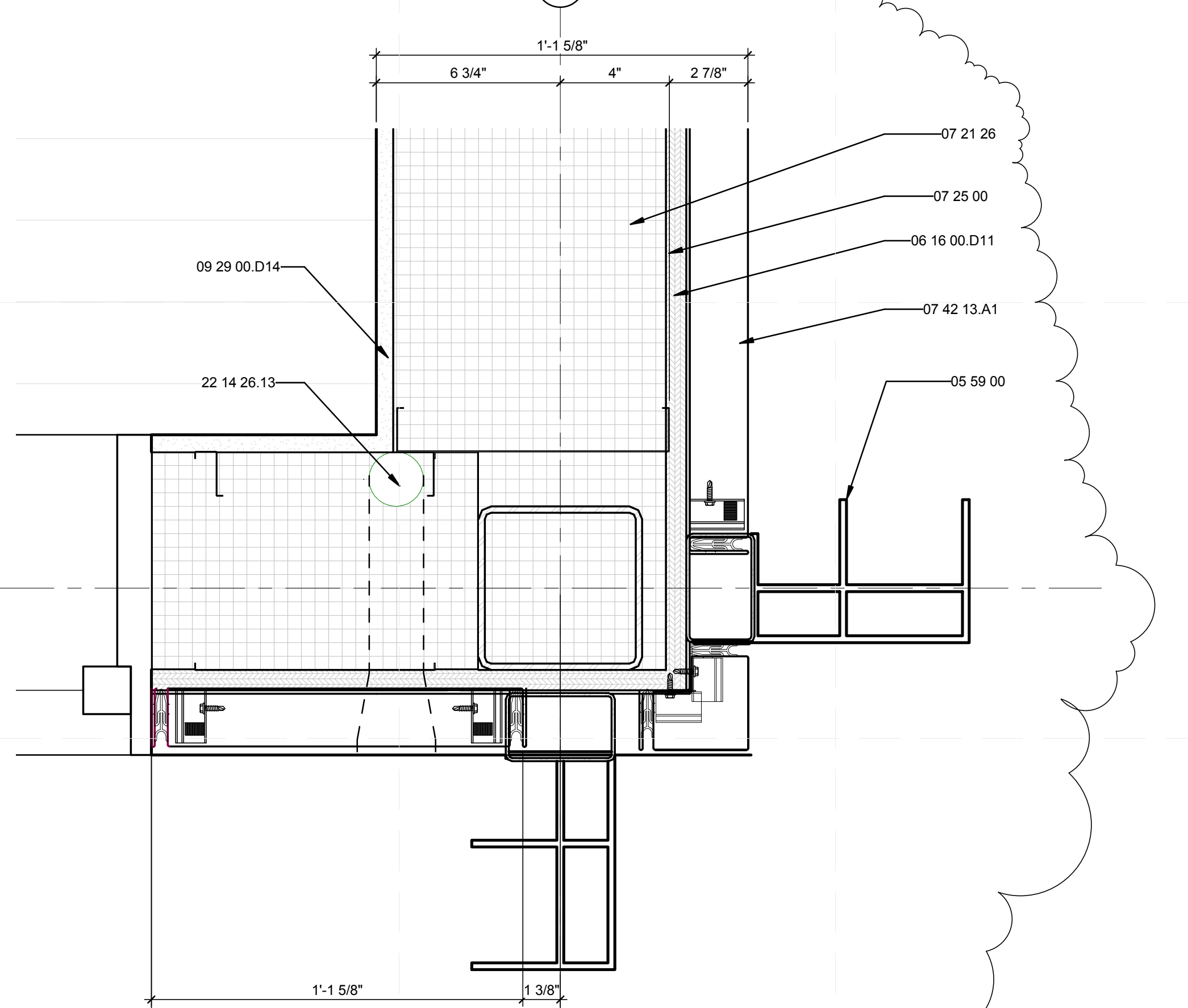
C4 PLAN DETAIL @ E2
 3" = 1'-0" 0 3" 6" 1'



A1 PLAN DETAIL @ E4
 3" = 1'-0" 0 3" 6" 1'



A3 PLAN DETAIL @ E5
 3" = 1'-0" 0 3" 6" 1'



A5 PLAN DETAIL @ E6
 3" = 1'-0" 0 3" 6" 1'

GENERAL SHEET NOTES

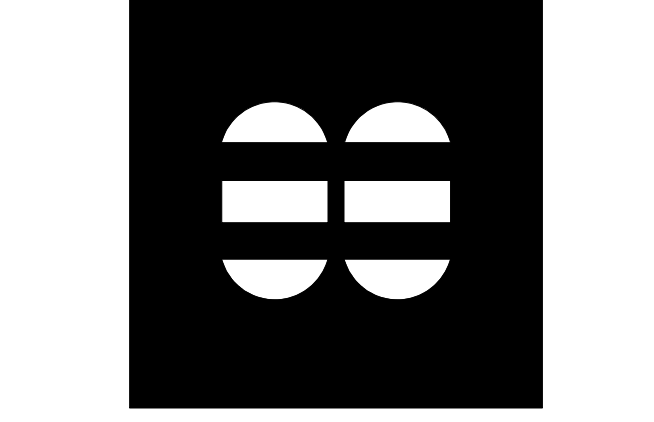
REFERENCE KEYNOTES

05 12 73.L265	TS4X2X0.125
05 41 00.A10	8" METAL STUD
05 41 00.A11	10" METAL STUD
05 59 00	METAL SPECIALTIES
06 16 00.D11	3/4" PLYWOOD
07 21 16.A10	BATT INSULATION
07 21 26	SPRAYED INSULATION
07 25 00	WEATHER BARRIERS
07 42 13.A1	METAL PANELS BY ALCOA
08 35 13.34	INSECT SCREEN BY NANAWALL
09 29 00.D14	5/8" MAGNUM WALLBOARD
10 81 16.A1	INSECT SCREEN BY NANAWALL
22 14 26.13	ROOF DRAINS



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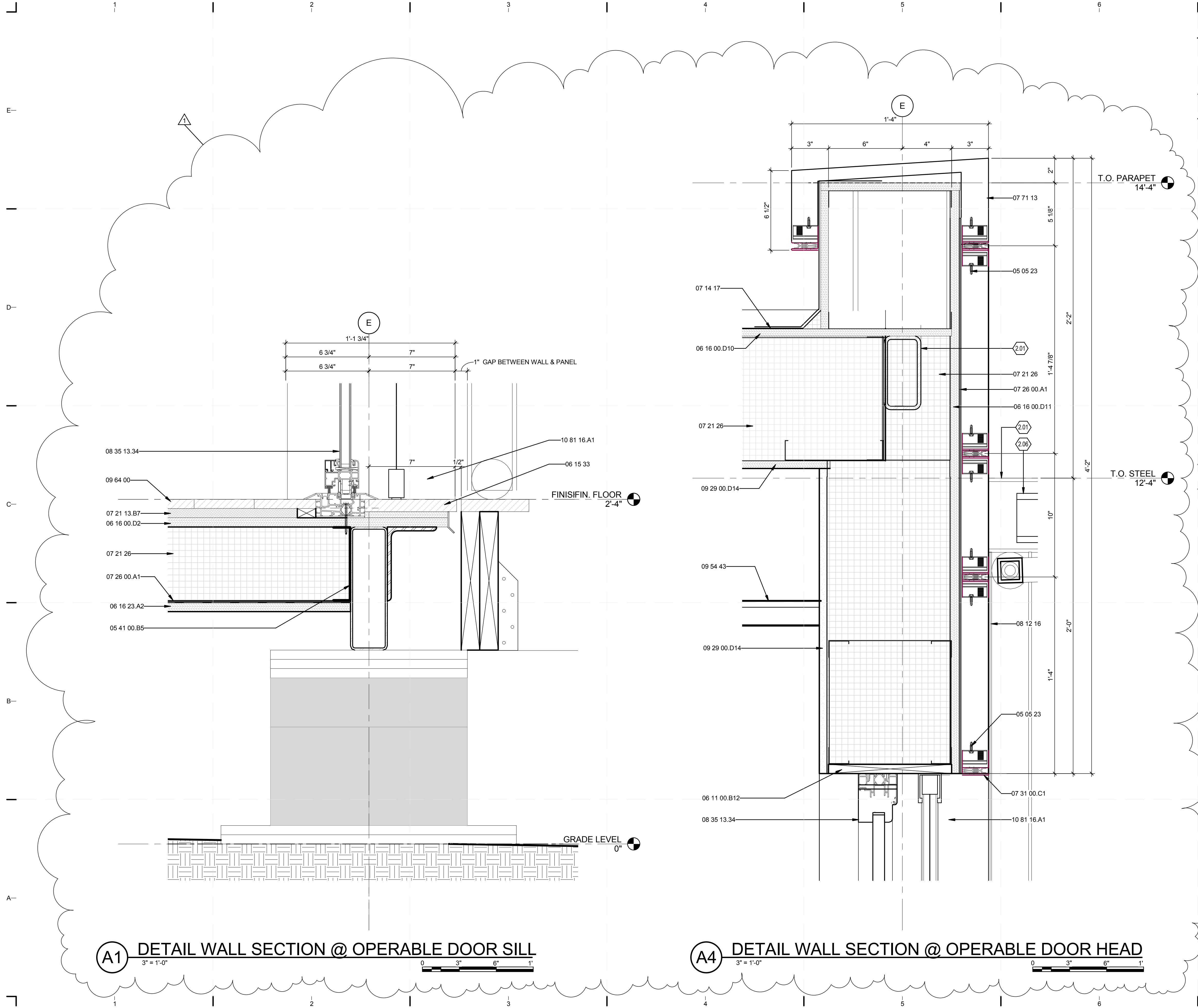
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PLAN DETAILS

SHEET NUMBER
A-501

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8/12/2011 8:07:15 PM C:\Users\jirimon\Desktop\2011-08-11\BIM\FIU_ARCH_2011-08-11.rvt



GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 05 05 23 METAL FASTENINGS
- 05 41 00.B5 6" CHANNEL STUD
- 06 11 00.B12 1X10
- 06 15 33 WOOD PATIO DECKING
- 06 16 00.D2 3/4" PLYWOOD SUBFLOOR
- 06 16 00.D10 5/8" EXTERIOR GRADE PLYWOOD
- 06 16 00.D11 3/4" PLYWOOD
- 06 16 23.A2 SUBFLOORING 5/8" PLYWOOD
- 07 14 17
- 07 21 13.B7 3/4" RIGID INSULATION
- 07 21 26 SPRAYED INSULATION
- 07 26 00.A1 MOISTURE BARRIER
- 07 31 00.C1 METAL DRIP EDGE
- 07 42 13.A1 METAL PANELS BY ALCOA
- 07 71 13 MANUFACTURED COPINGS
- 08 12 16 ALUMINUM FRAMES
- 08 35 13.34
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 54 43 STRETCHED-FABRIC CEILING SYSTEMS
- 09 64 00 WOOD FLOORING
- 10 81 16.A1 INSECT SCREEN BY NANAWALL

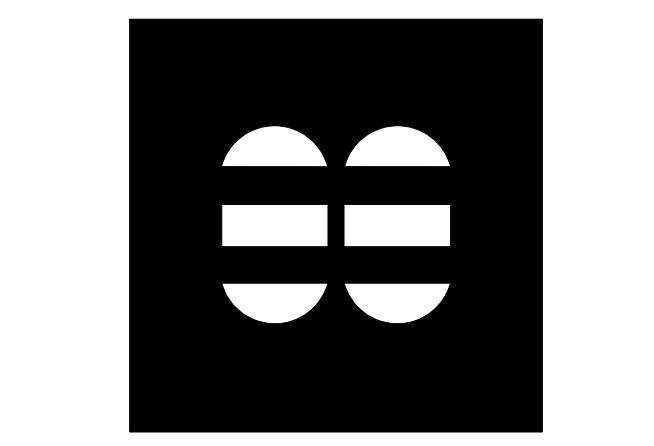
SHEET KEYNOTES

- 2.01 STRUCT STEEL. SEE STRUCTURAL DWGS
- 2.06 WHEEL TRACK FOR LOUVERED PANEL



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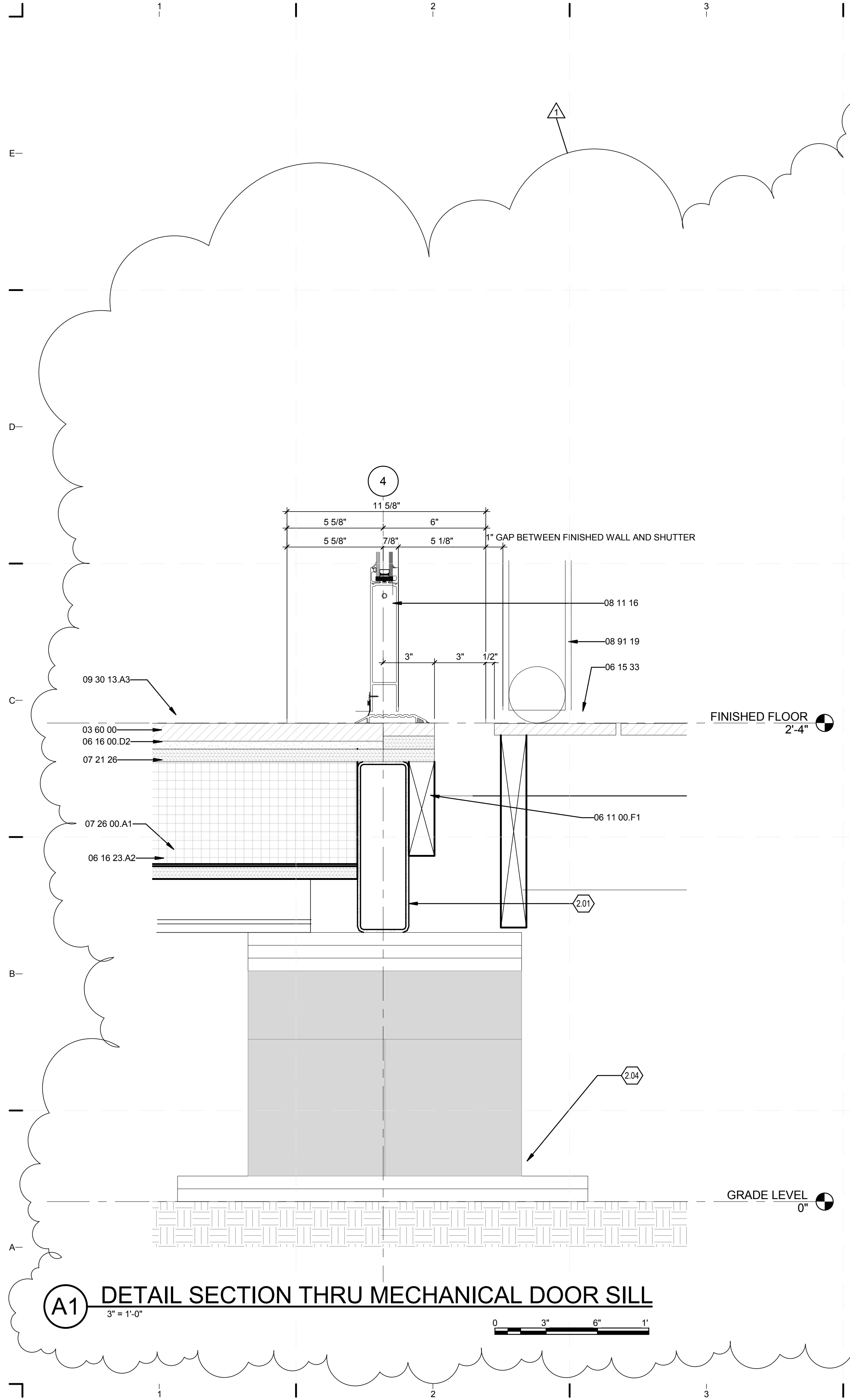
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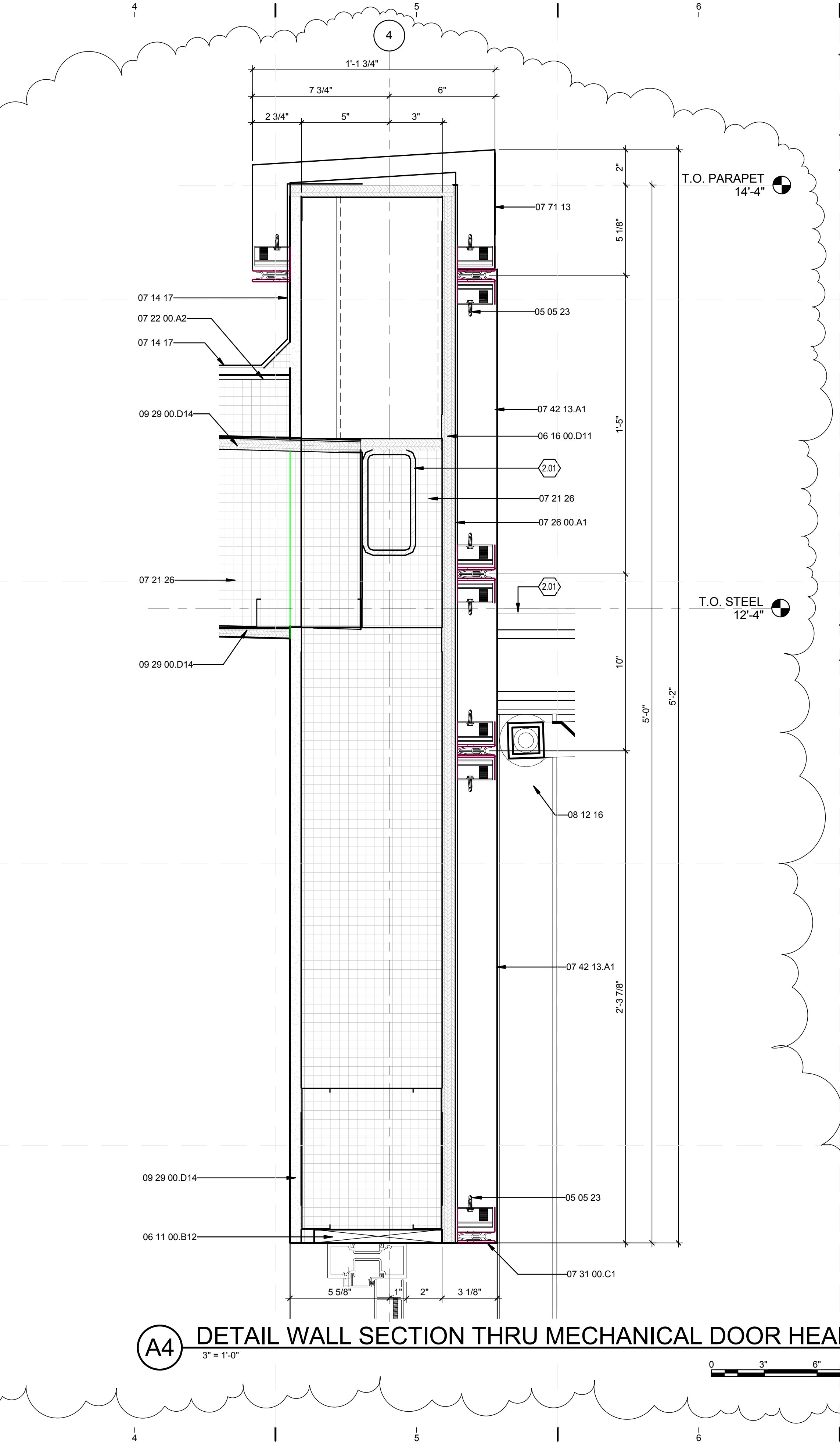
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SECTION DETAILS

SHEET NUMBER
A-511



(A1) DETAIL SECTION THRU MECHANICAL DOOR SILL
3" = 1'-0"



(A4) DETAIL WALL SECTION THRU MECHANICAL DOOR HEAD
3" = 1'-0"

GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 03 60 00 GROUTING
- 05 05 23 METAL FASTENINGS
- 06 11 00.B12 1X10
- 06 11 00.F1 2X6
- 06 15 33 WOOD PATIO DECKING
- 06 16 00.D2 3/4" PLYWOOD SUBFLOOR
- 06 16 00.D11 3/4" PLYWOOD
- 06 16 23.A2 SUBFLOORING 5/8" PLYWOOD
- 07 14 17
- 07 21 26 SPRAYED INSULATION
- 07 22 00.A2 POLYISO INSULATING SHEATHING PANELS BY ATLAS ENERGY SHIELD
- 07 26 00.A1 MOISTURE BARRIER
- 07 31 00.C1 METAL DRIP EDGE
- 07 42 13.A1 METAL PANELS BY ALCOA
- 07 71 13 MANUFACTURED COPINGS
- 08 11 16 ALUMINUM DOORS AND FRAMES
- 08 12 16 ALUMINUM FRAMES
- 08 91 19 FIXED LOUVERS
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 30 13.A3 FLOOR TILE

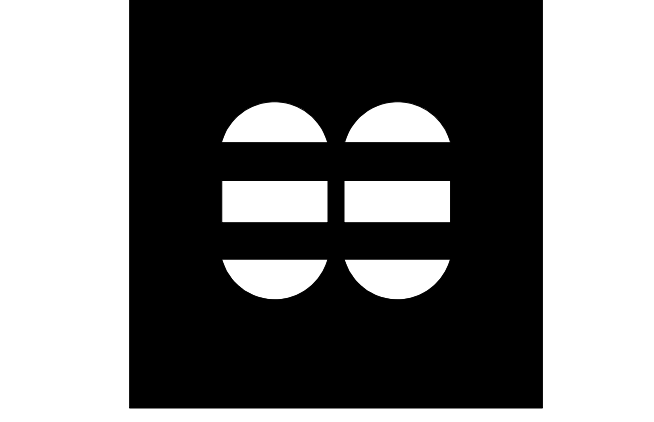
SHEET KEYNOTES

- 2.01 STRUCT STEEL. SEE STRUCTURAL DWGS
- 2.04 PLYWOOD FOUNDATION. SEE STRUCTURAL DWGS



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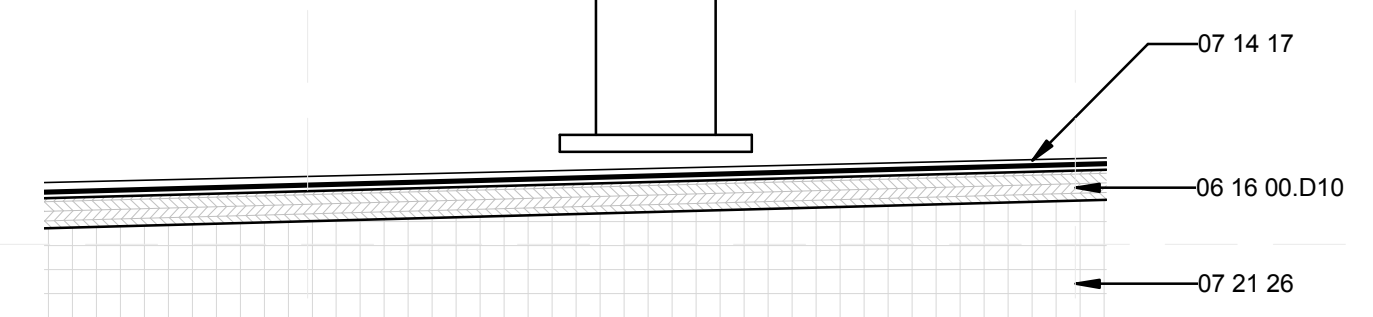
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 DRAWN BY: M.M. & M.D.
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SECTION DETAILS

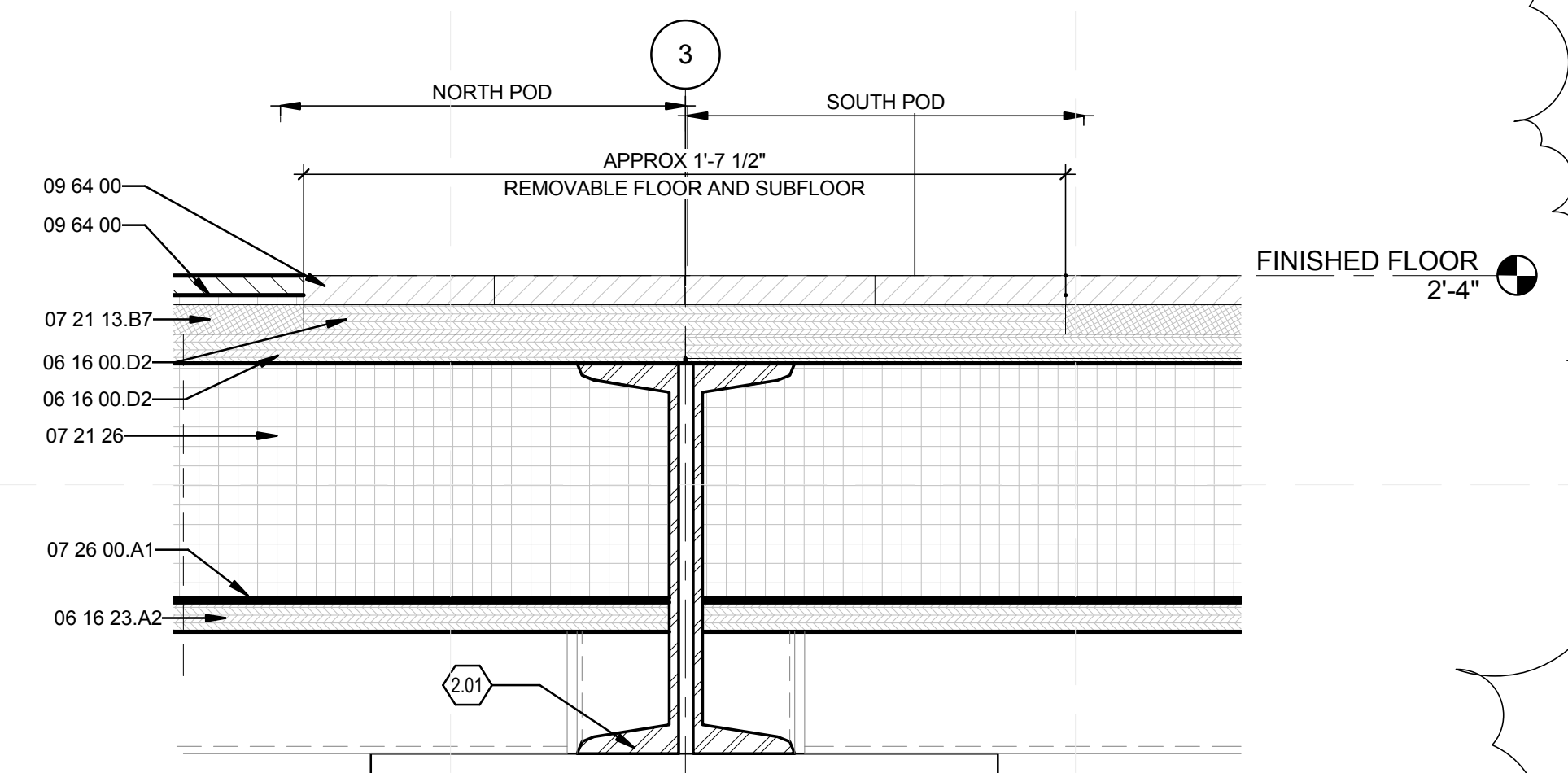
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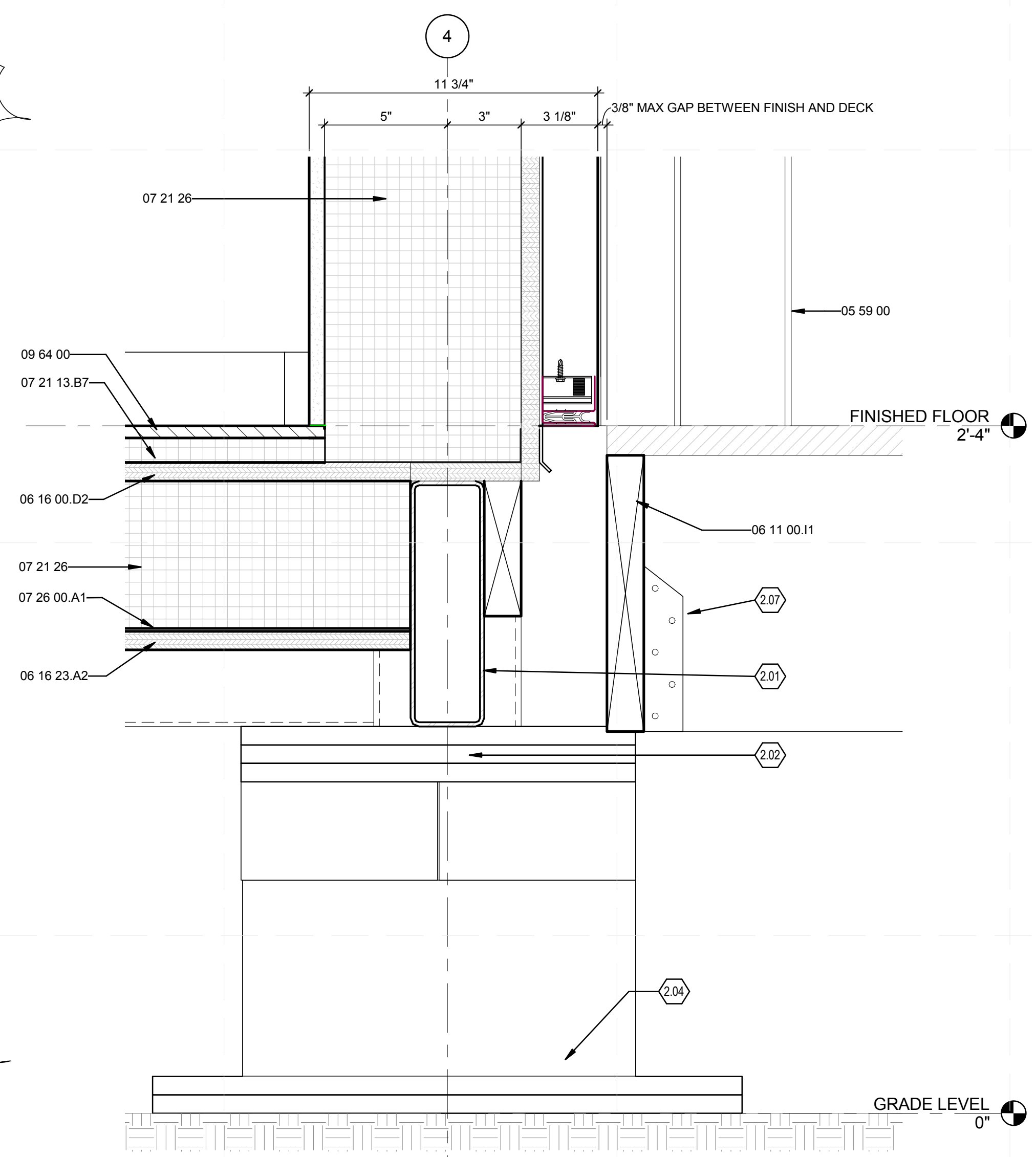
E2 DETAIL SECTION @ SOLAR PANEL ROOF CONNECTION
3" = 1'-0"



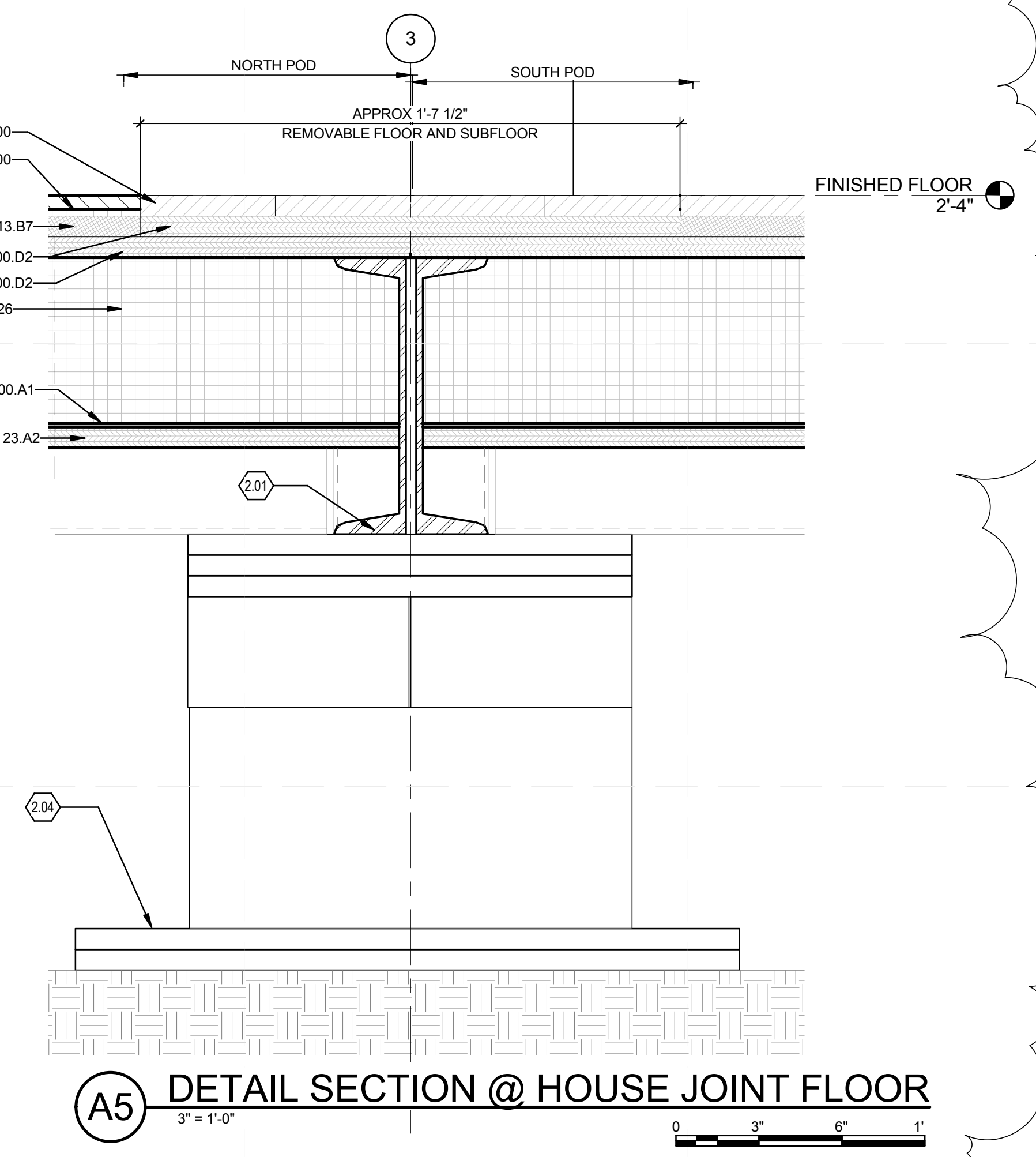
D5 DETAIL SECTION @ HOUSE JOINT ROOF
3" = 1'-0"



A1 DETAIL WALL SECTION SOUTH WALL LOW
3" = 1'-0"



A5 DETAIL SECTION @ HOUSE JOINT FLOOR
3" = 1'-0"



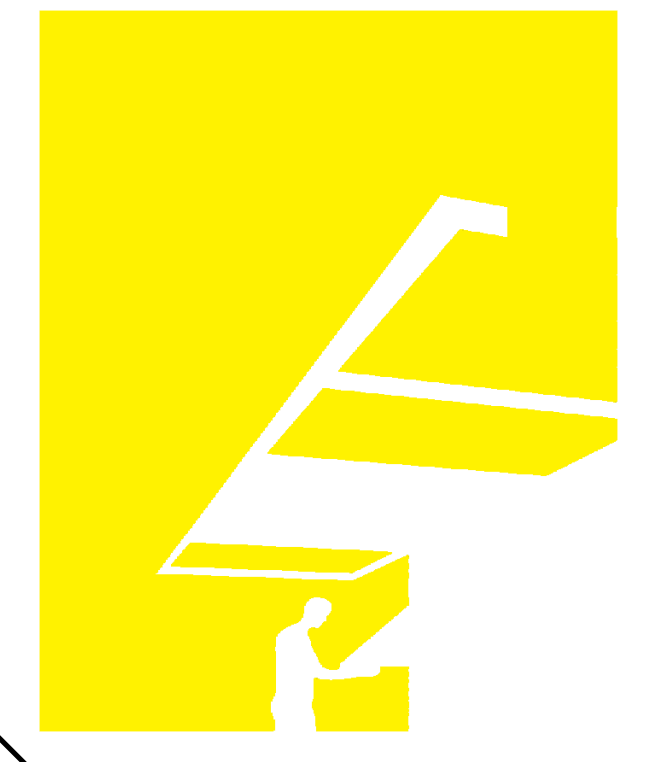
GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 05 59 00 METAL SPECIALTIES
- 06 11 00.I1 2X12
- 06 16 00.D2 3/4" PLYWOOD SUBFLOOR
- 06 16 00.D10 5/8" EXTERIOR GRADE PLYWOOD
- 06 16 23.A2 SUBFLOORING 5/8" PLYWOOD
- 07 14 17
- 07 21 13.B7 3/4" RIGID INSULATION
- 07 21 26 SPRAYED INSULATION
- 07 26 00.A1 MOISTURE BARRIER
- 07 91 16 JOINT GASKETS
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 64 00 WOOD FLOORING

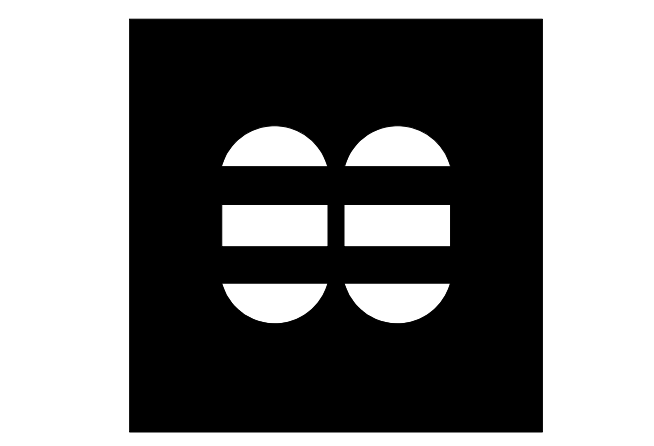
SHEET KEYNOTES

- 2.01 STRUCT STEEL. SEE STRUCTURAL DWGS
- 2.02 ADJUSTABLE SCREW JACK. SEE STRUCTURAL DWGS
- 2.04 PLYWOOD FOUNDATION. SEE STRUCTURAL DWGS
- 2.07 SIMPSON JOIST HANGER-LSU26/LSSU210.



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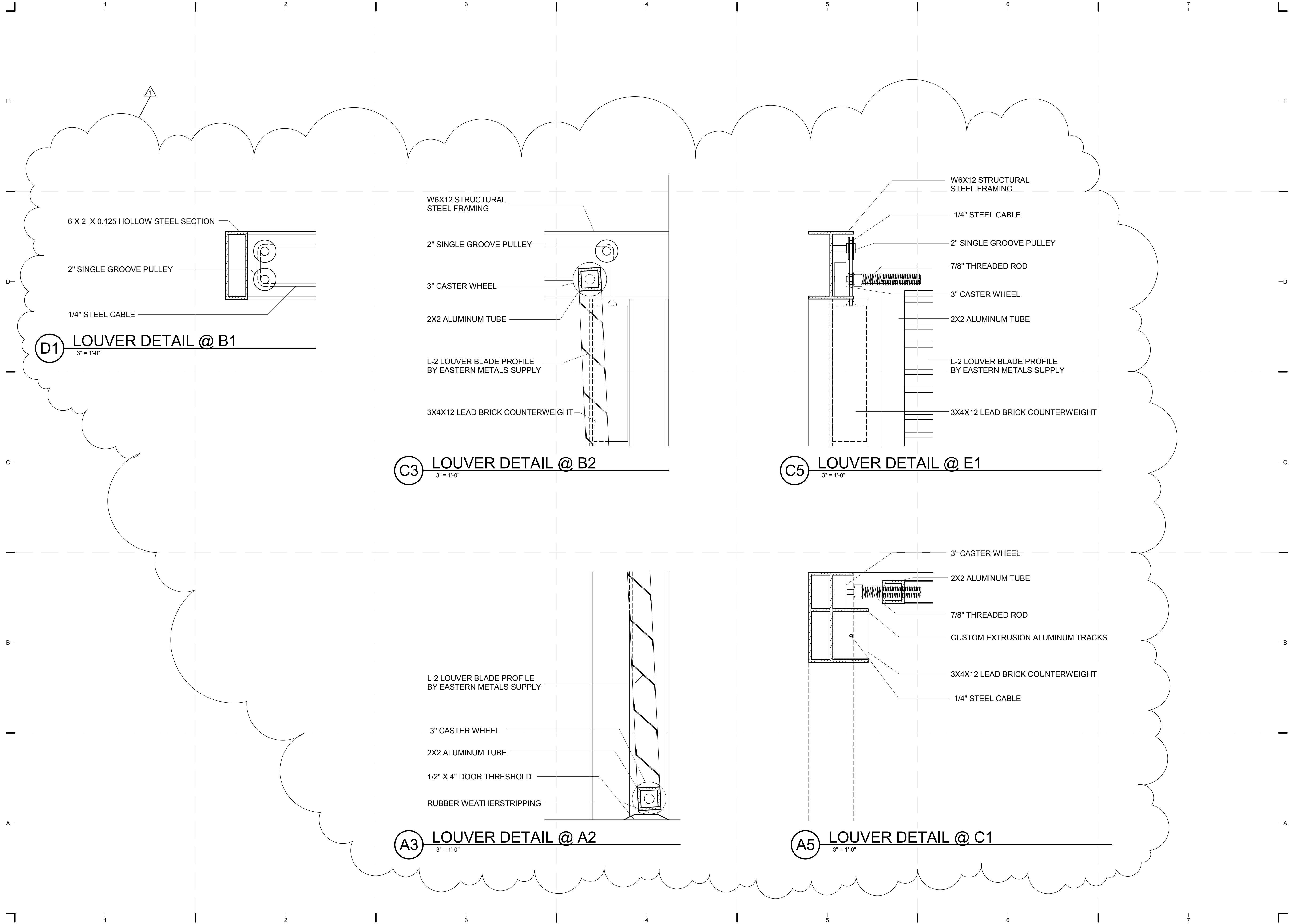
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SECTION DETAILS

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D1 LOUVER DETAIL @ B1
 3" = 1'-0"

C3 LOUVER DETAIL @ B2
 3" = 1'-0"

C5 LOUVER DETAIL @ E1
 3" = 1'-0"

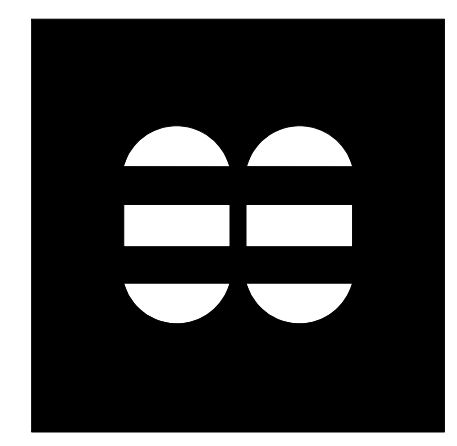
A3 LOUVER DETAIL @ A2
 3" = 1'-0"

A5 LOUVER DETAIL @ C1
 3" = 1'-0"



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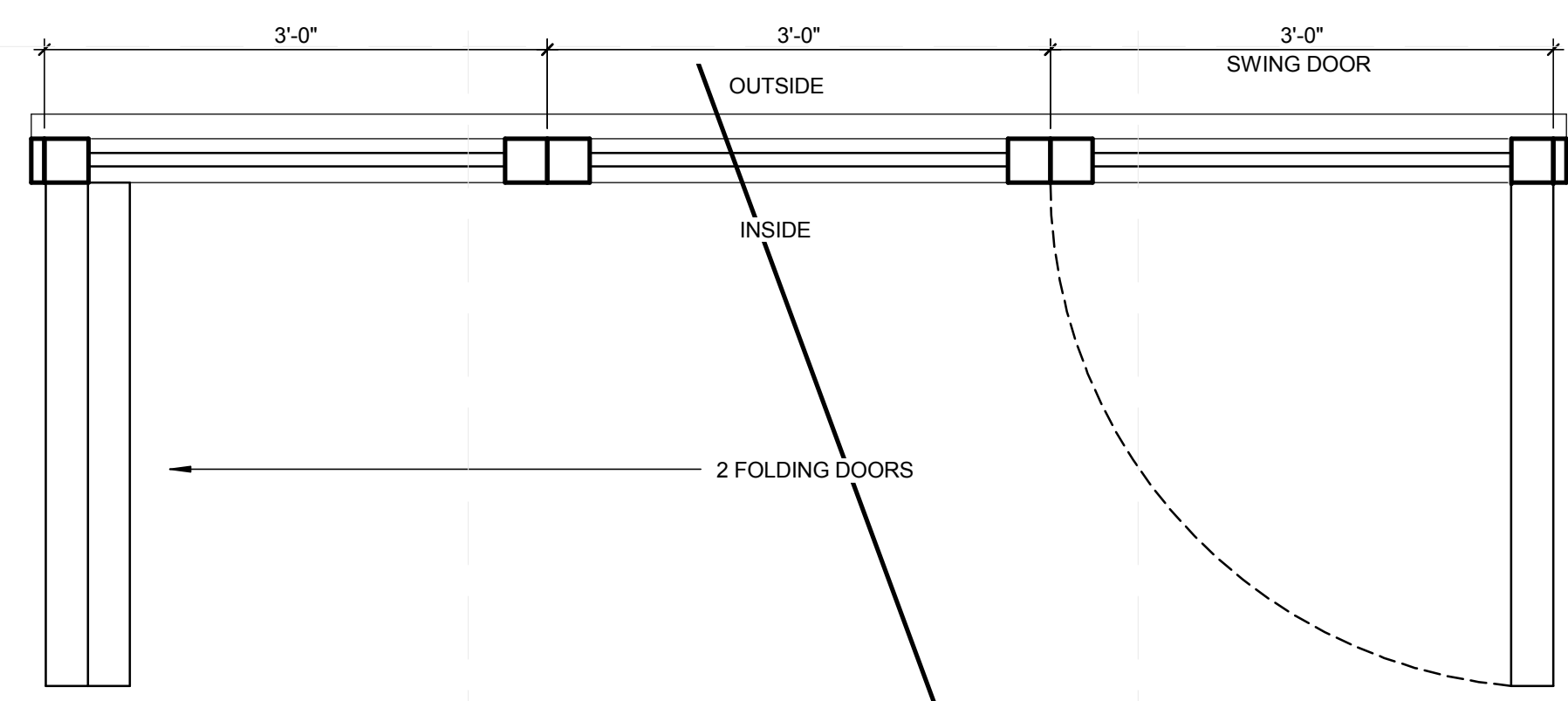
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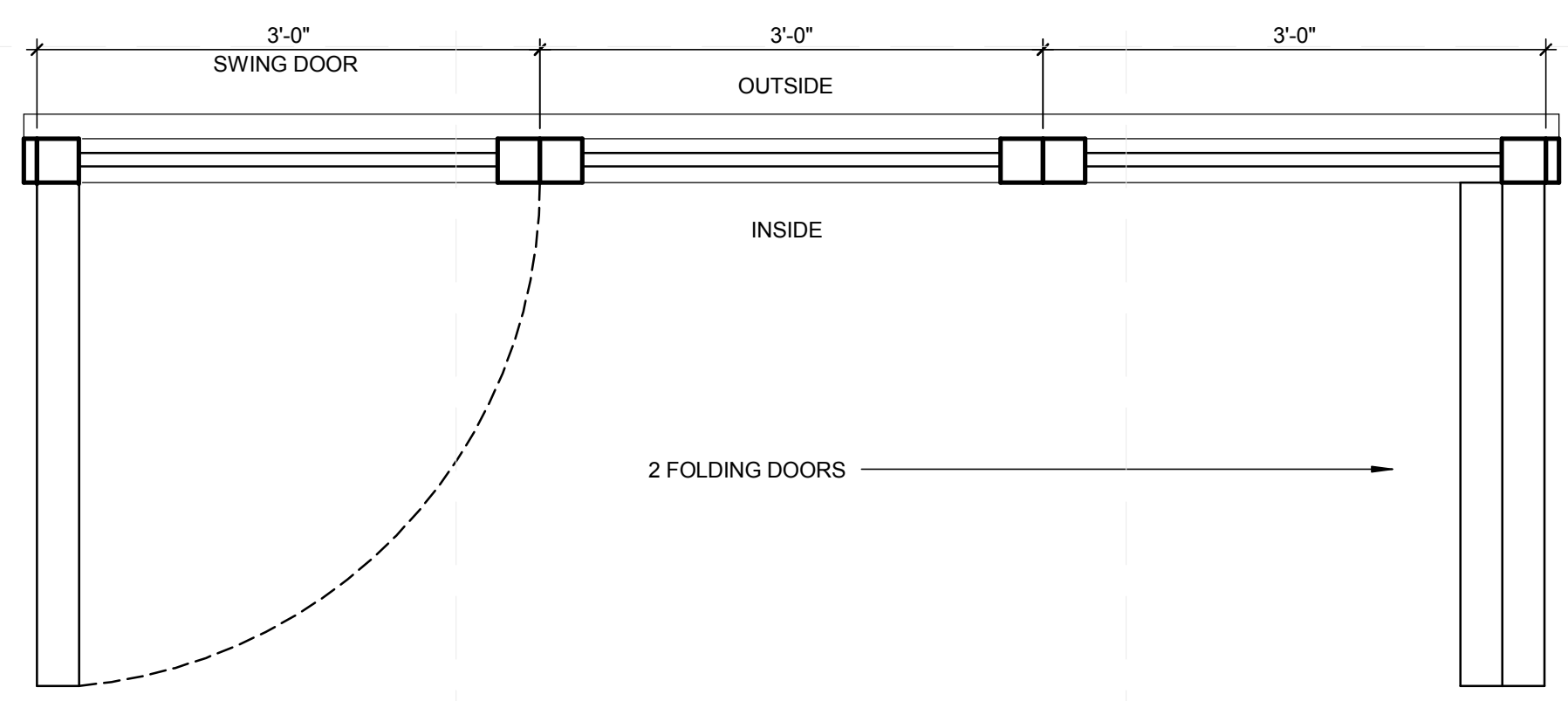
SHEET TITLE
LOUVER DETAILS

SHEET NUMBER
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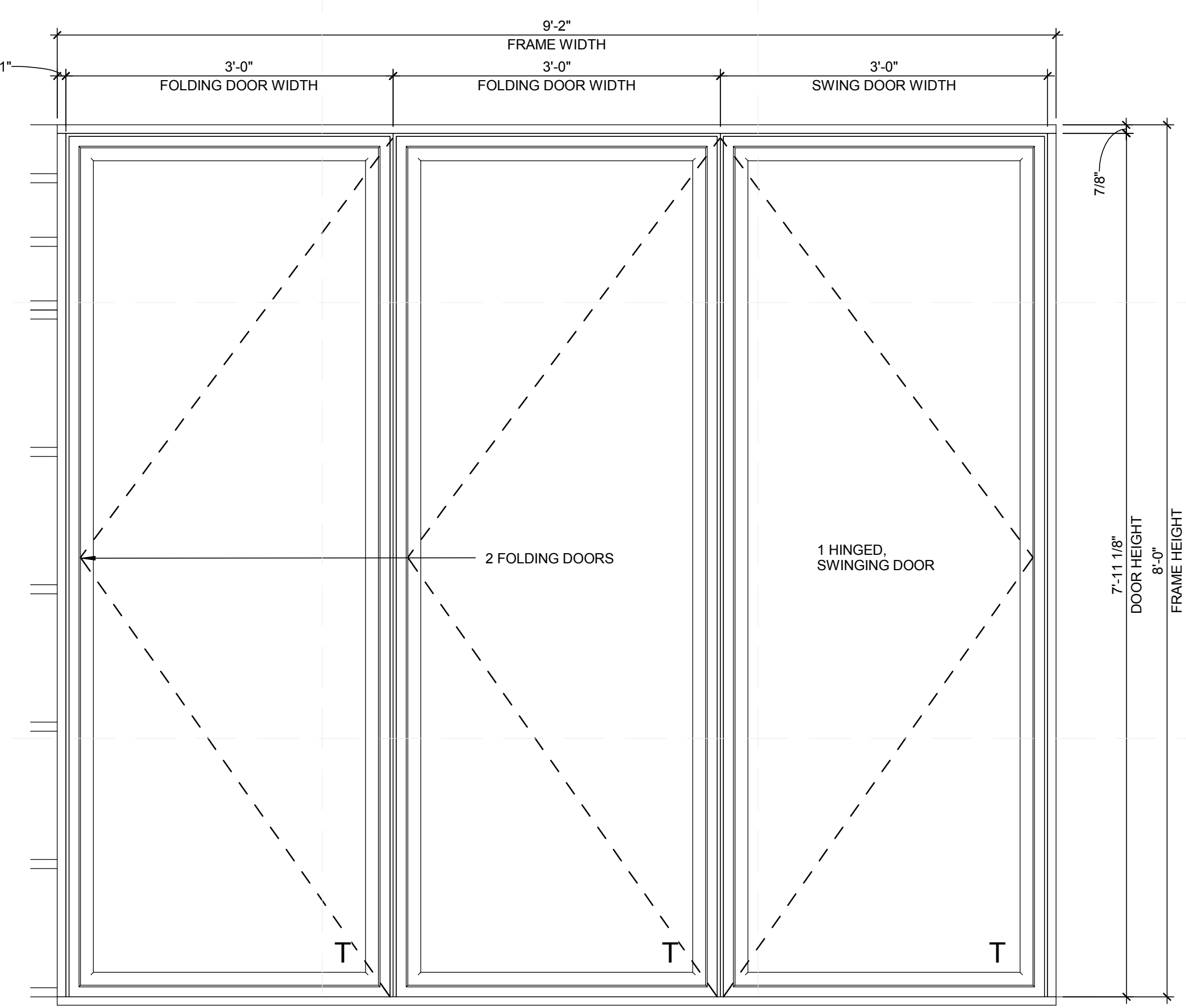
DOOR SCHEDULE							
MARK	DR TYPE	DR SIZE	MANUFACTURER	MODEL	FINISH		
					DOOR	FRAME	COMPONENTS
101	2	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
102	4	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
103	4	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
104	3	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
105	3	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
106	3	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
107	1	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
108	5	72" x 84"					
109	71	36" X 80"			WOOD		



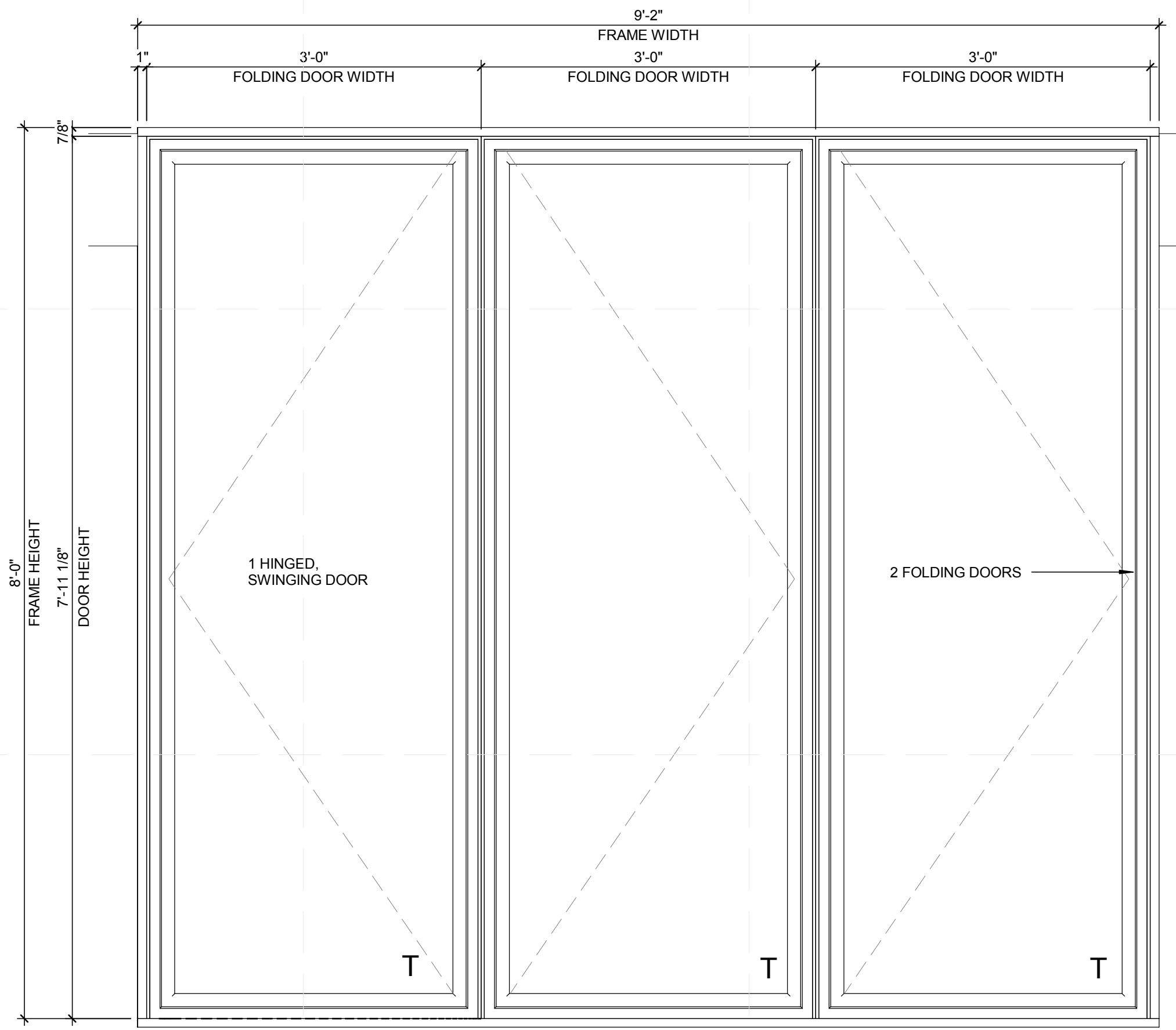
D1 PLAN DETAILS - FOLDING GLASS DOOR TYPE 1
1" = 1'-0"



D4 PLAN DETAILS - FOLDING GLASS DOOR TYPE 2
1" = 1'-0"



A1 ELEVATION DETAILS - FOLDING GLASS DOOR TYPE 1
1" = 1'-0"

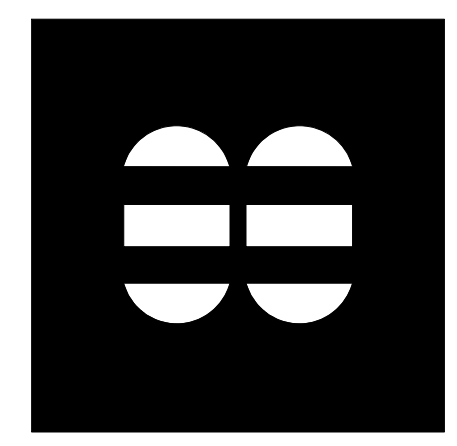


A4 ELEVATION DETAILS - FOLDING GLASS DOOR TYPE 2
1" = 1'-0"



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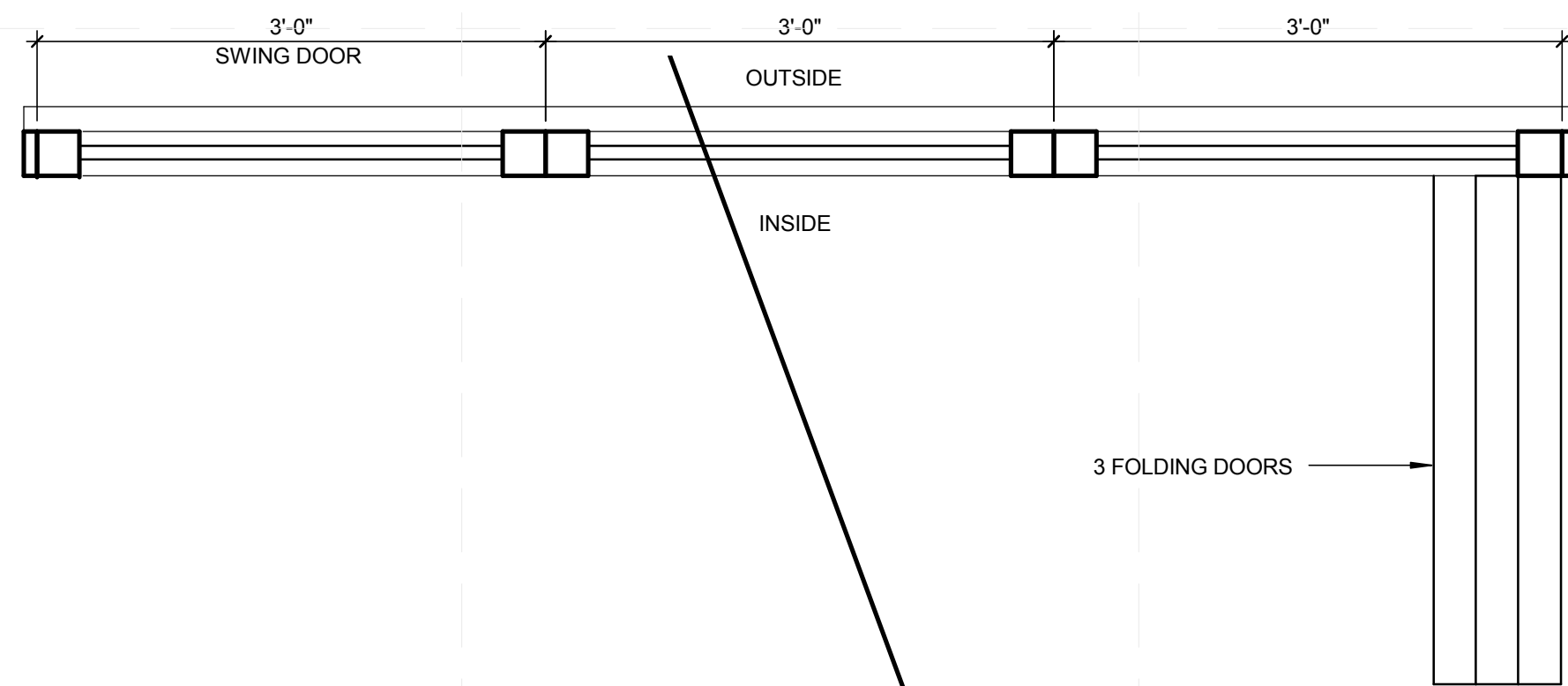
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DOOR SCHEDULE

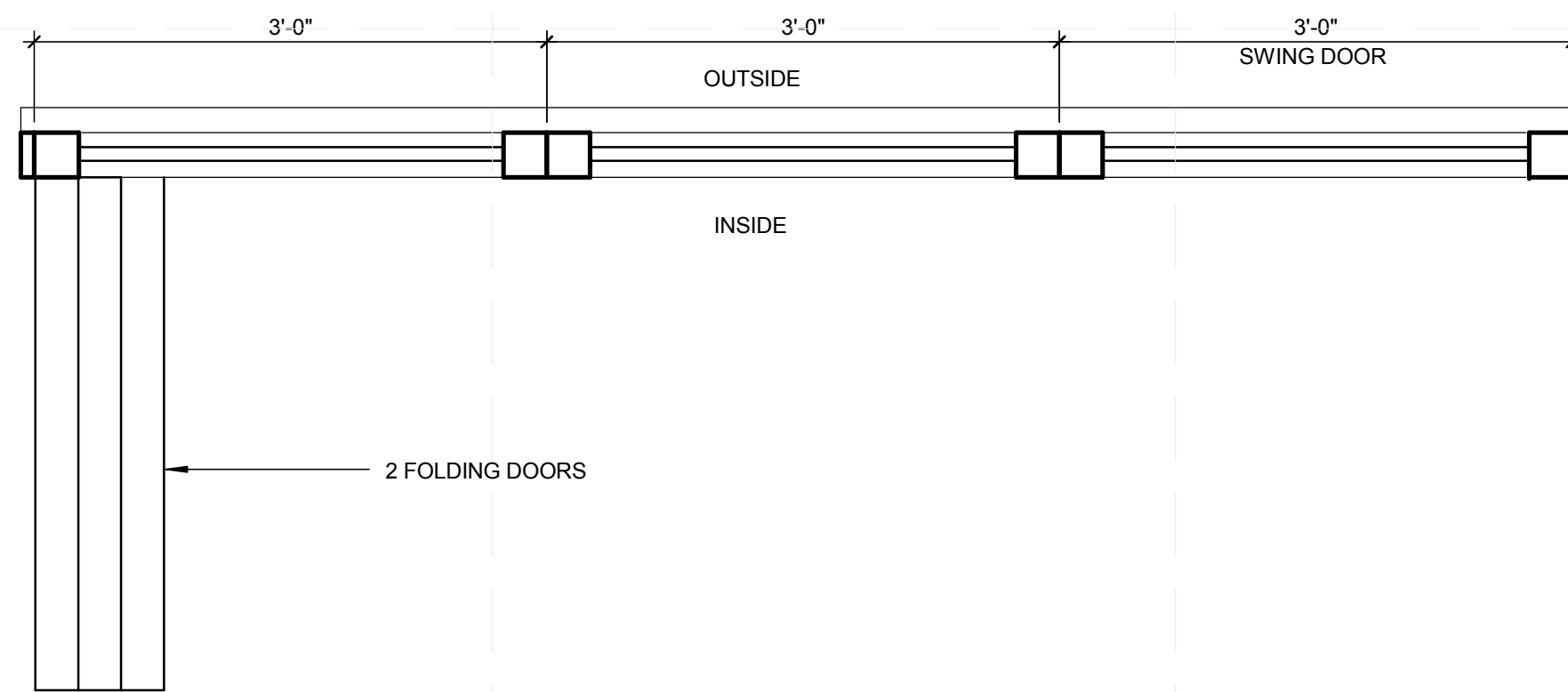
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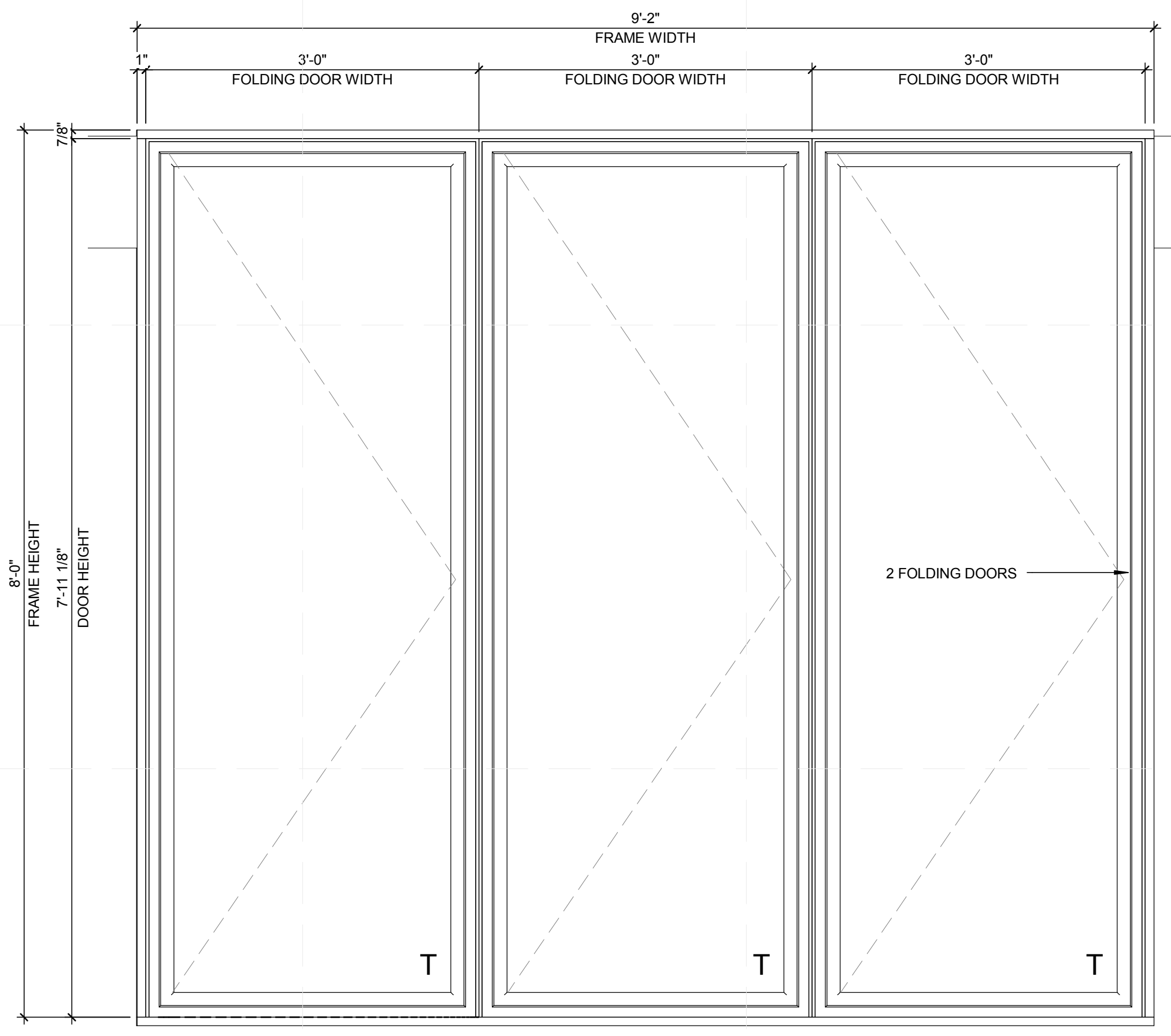
DOOR SCHEDULE					FINISH		
MARK	DR TYPE	DR SIZE	MANUFACTURER	MODEL	DOOR	FRAME	COMPONENTS
101	2	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
102	4	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
103	4	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
104	3	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
105	3	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
106	3	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
107	1	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
108	5	72" x 84"					
109	71	36" X 80"			WOOD		



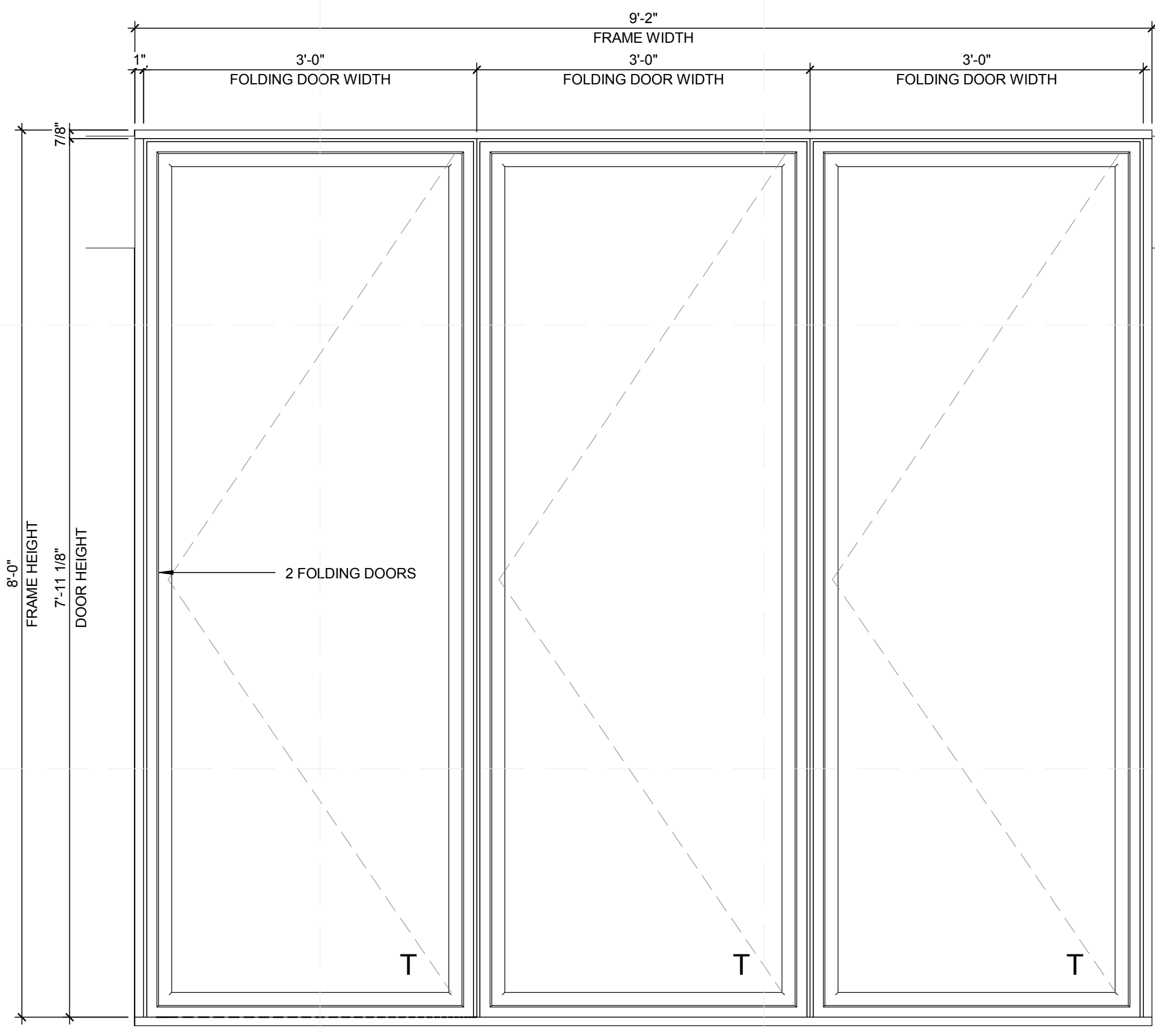
C1 PLAN DETAILS - FOLDING GLASS DOOR TYPE 3
1" = 1'-0"



C4 PLAN DETAILS - FOLDING GLASS DOOR TYPE 4
1" = 1'-0"



A1 ELEVATION DETAILS - FOLDING GLASS DOOR TYPE 3
1" = 1'-0"

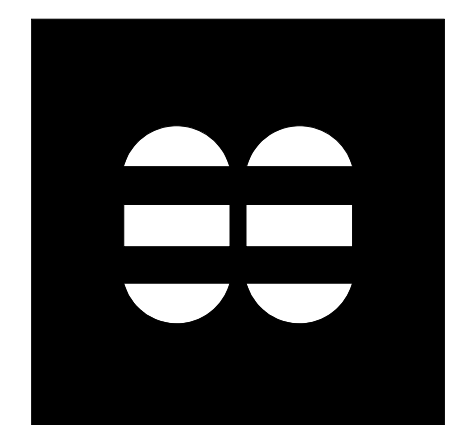


A4 ELEVATION DETAILS - FOLDING GLASS DOOR TYPE 4
1" = 1'-0"



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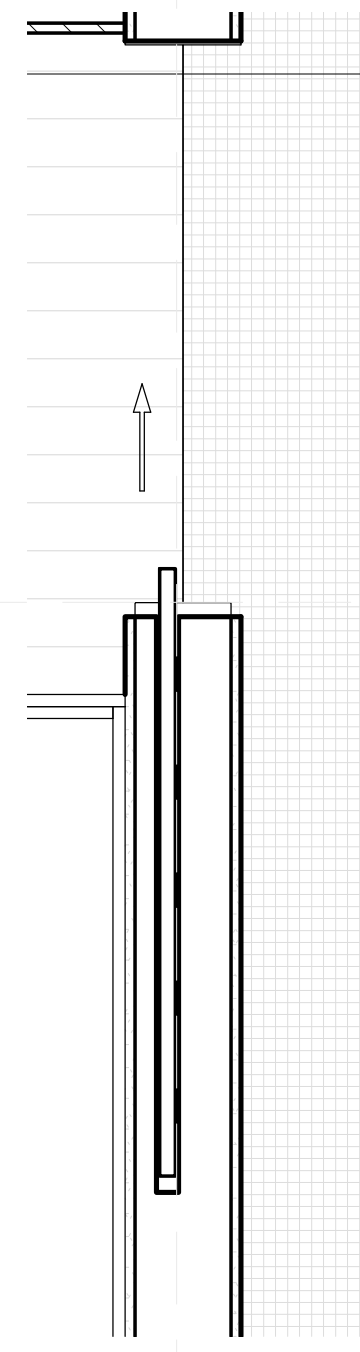
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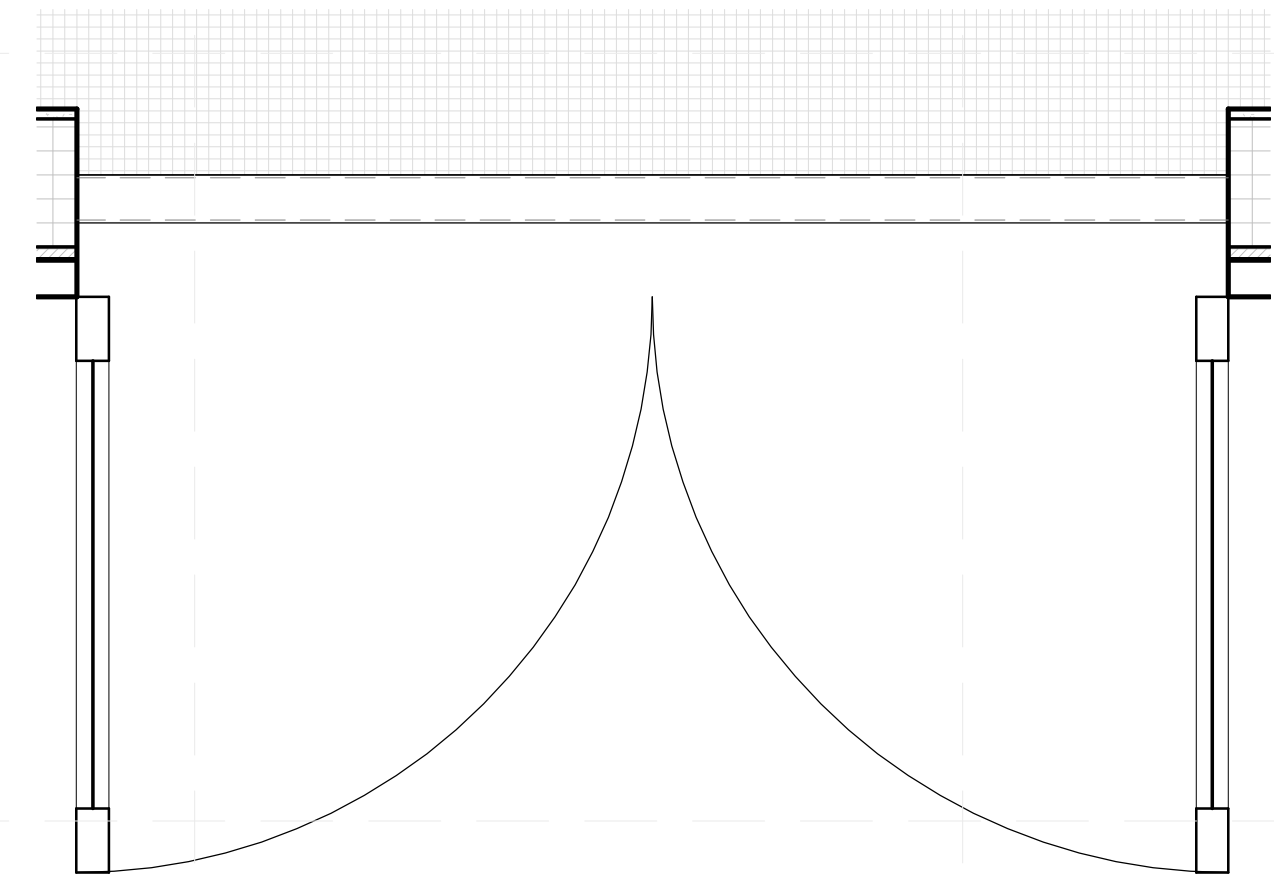
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DOOR SCHEDULE

SHEET NUMBER
A-522

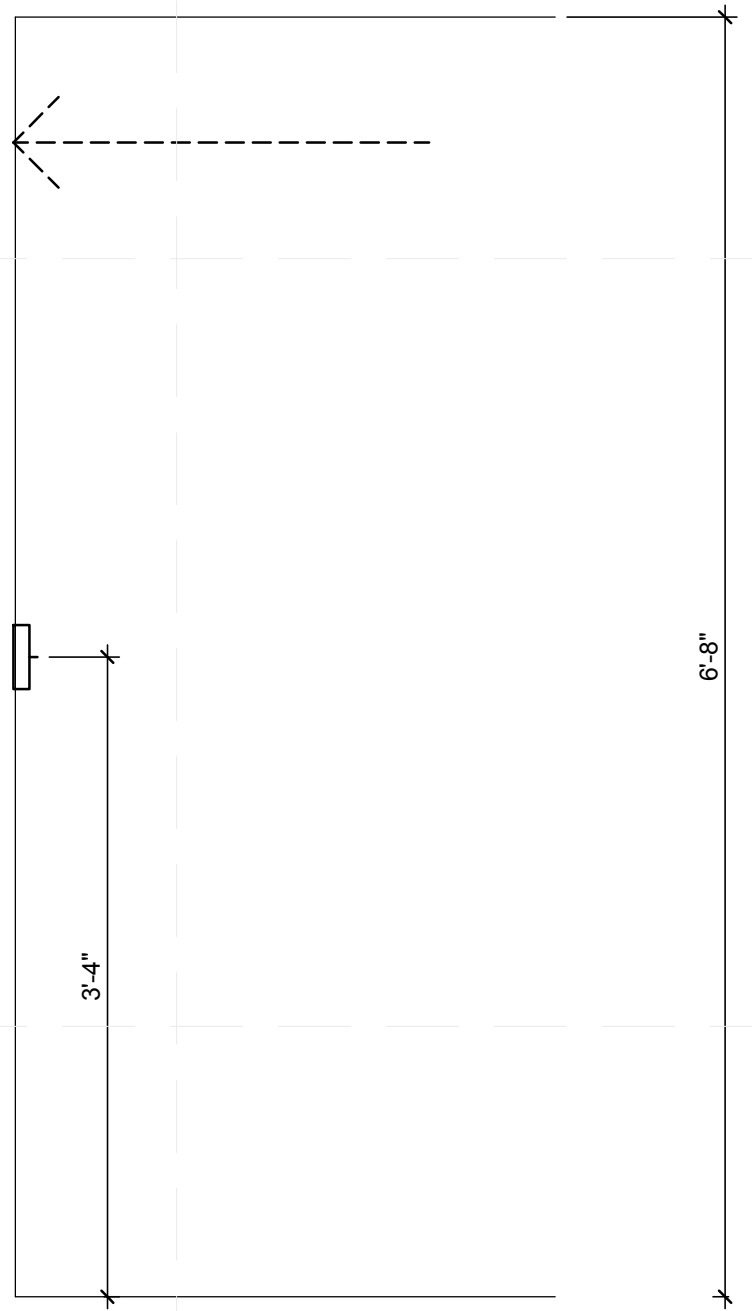
DOOR SCHEDULE							
MARK	DR TYPE	DR SIZE	MANUFACTURER	MODEL	DOOR	FRAME	FINISH
							COMPONENTS
101	2	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
102	4	Door_SL-73_NanaWall 9-2 X 8-0	NanaWall Systems, Inc.	SL-73	Glass	Painted Aluminum	
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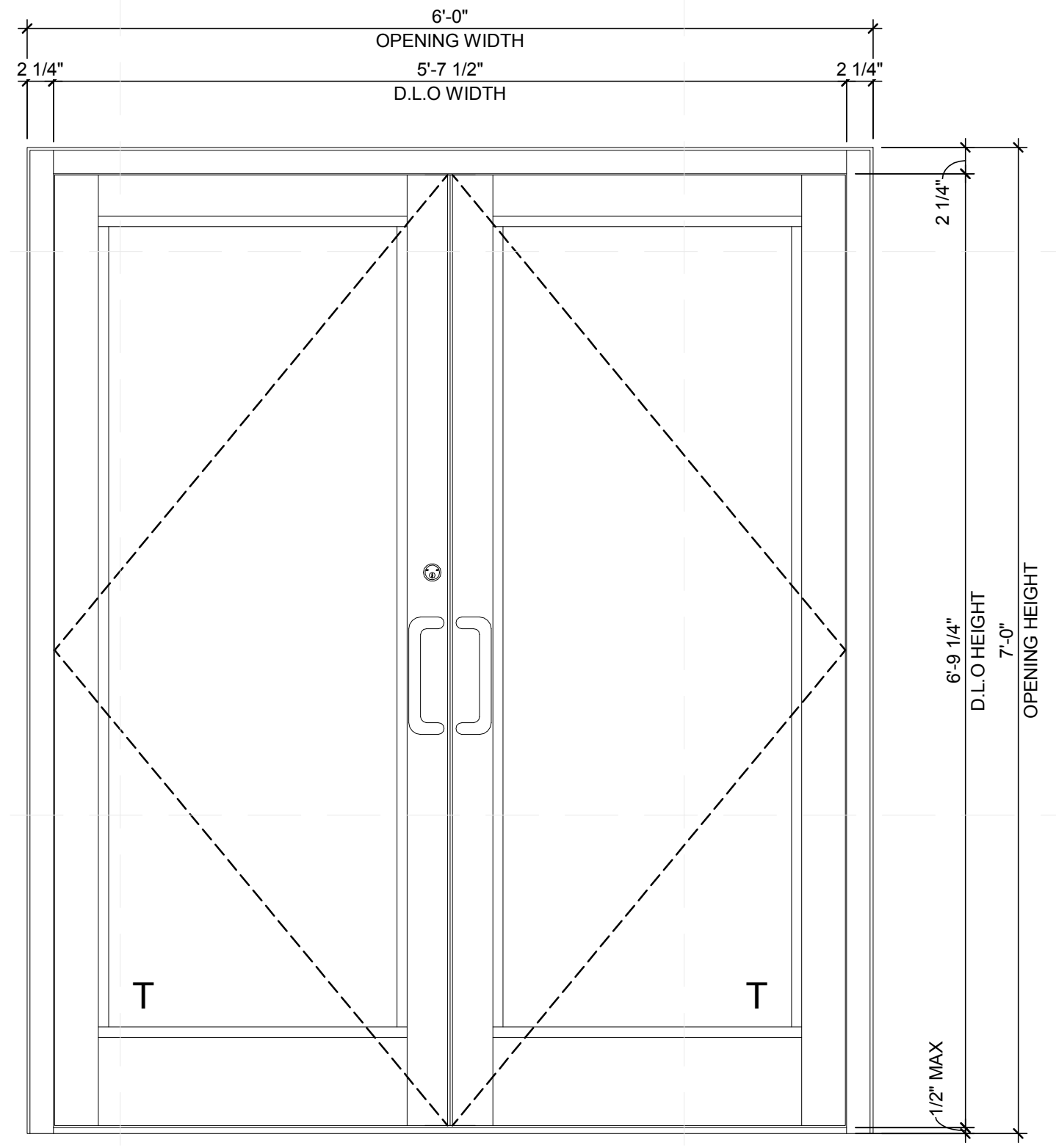
C1 INTERIORS PLAN DETAILS - POCKET DOOR TYPE 6
1" = 1'-0"



C4 PLAN DETAILS - FOLDING GLASS DOOR TYPE 5
1" = 1'-0"



A1 INTERIORS ELEVATION DETAILS - POCKET DOOR TYPE 6
1" = 1'-0"

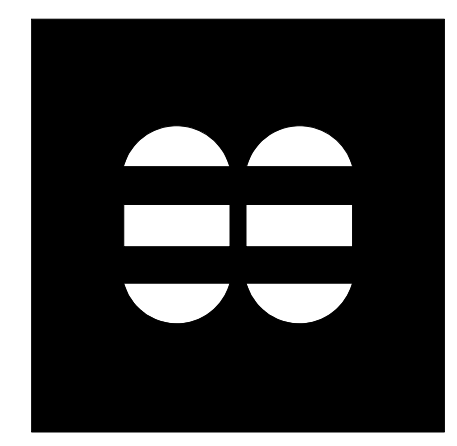


A4 ELEVATION DETAILS - MECHANICAL DOOR TYPE 5
1" = 1'-0"



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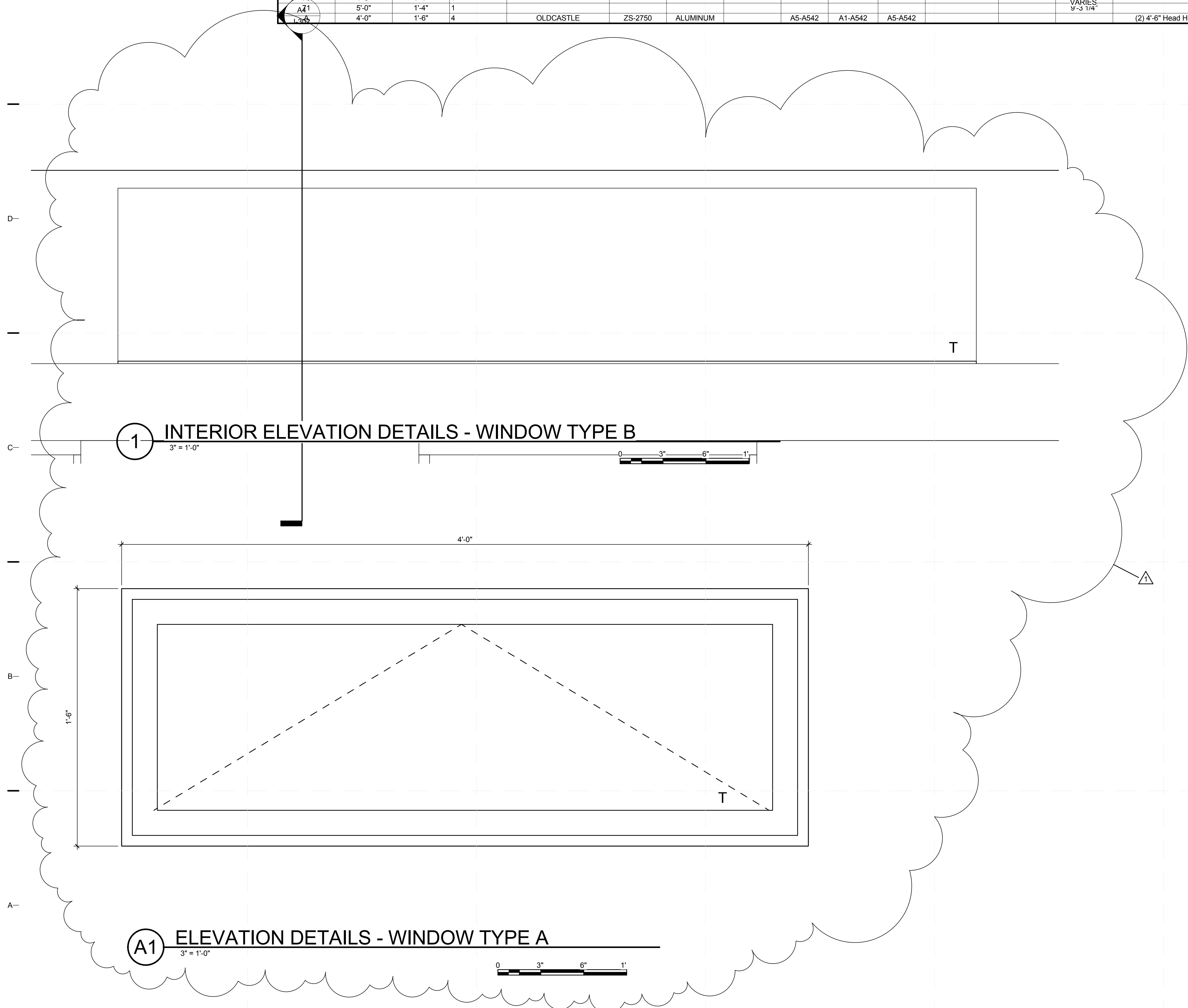
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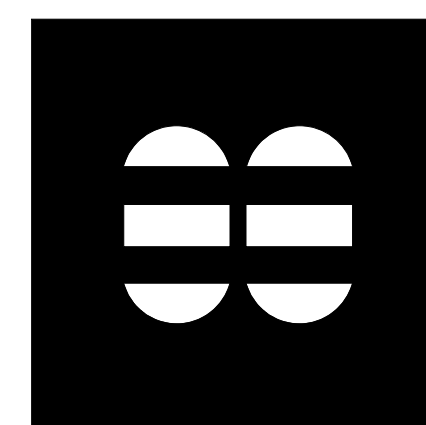
SHEET NUMBER
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WINDOW SCHEDULE															
MARK	ROUGH OPENING			QUANTITY	MANUFACTURER	MODEL	MATERIAL	FINISH	DETAIL			GLAZING		HEAD HEIGHT	COMMENTS
	WIDTH	HEIGHT							HEAD	JAMB	SILL	THICKNESS	TYPE		
59	5'-0"	1'-4"	1											9'-3 1/4"	
66	4'-6"	1'-4"	1											9'-3 1/4"	
67	2'-11 3/4"	1'-4"	1											9'-3 1/4"	
68	5'-0"	1'-4"	2											9'-3 1/4"	
70	4'-6"	1'-4"	1											0'-2 1/2" VARIES 9'-3 1/4"	
A1	5'-0"	1'-4"	1												
335	4'-0"	1'-6"	4		OLDCASTLE	ZS-2750	ALUMINUM		A5-A542	A1-A542	A5-A542				(2) 4'-6" Head Height, (2) 7'-0" Head Height



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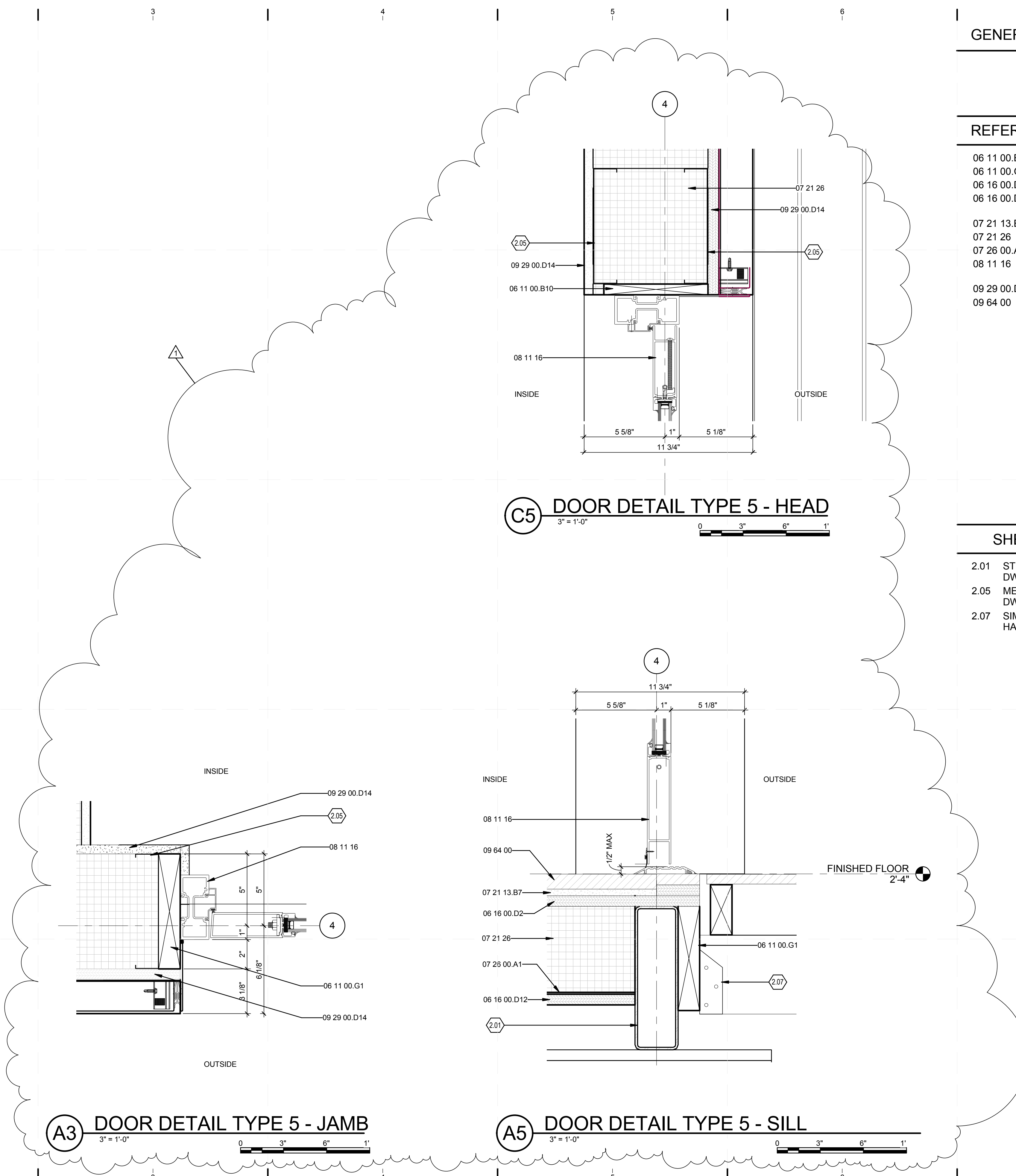
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GENERAL SHEET NOTES

REFERENCE KEYNOTES

- 06 11 00.B10 1X8
- 06 11 00.G1 2X8
- 06 16 00.D2 3/4" PLYWOOD SUBFLOOR
- 06 16 00.D12 3/4" EXTERIOR GRADE PLYWOOD
- 07 21 13.B7 3/4" RIGID INSULATION
- 07 21 26 SPRAYED INSULATION
- 07 26 00.A1 MOISTURE BARRIER
- 08 11 16 ALUMINUM DOORS AND FRAMES
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 64 00 WOOD FLOORING

SHEET KEYNOTES

- 2.01 STRUCT STEEL. SEE STRUCTURAL DWGS
- 2.05 METAL STUDS. SEE STRUCTURAL DWGS
- 2.07 SIMPSON JOIST HANGER-LSU26/LSSU210.



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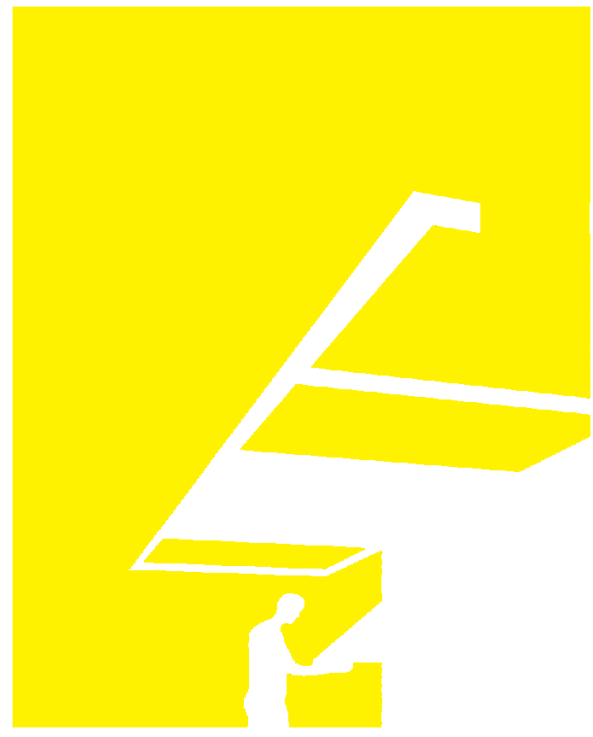
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DOOR DETAILS

SHEET NUMBER
A-541

GENERAL SHEET NOTES

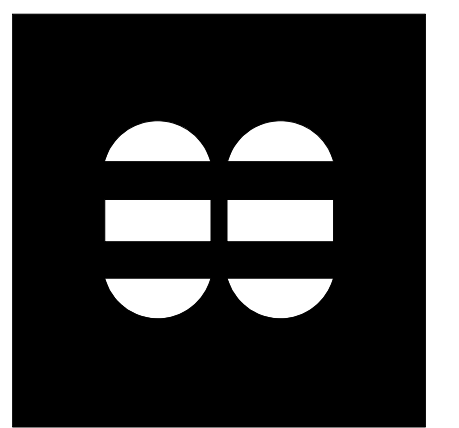
REFERENCE KEYNOTES

- 05 41 00.B6 8" CHANNEL STUD
- 06 11 00.G1 2X8
- 07 21 26 SPRAYED INSULATION
- 07 42 13.A1 METAL PANELS BY ALCOA
- 08 51 13 ALUMINUM WINDOWS
- 08 51 13.A2 ALUMINUM SLIDING WINDOW JAMB
- 09 29 00.D14 5/8" MAGNUM WALLBOARD



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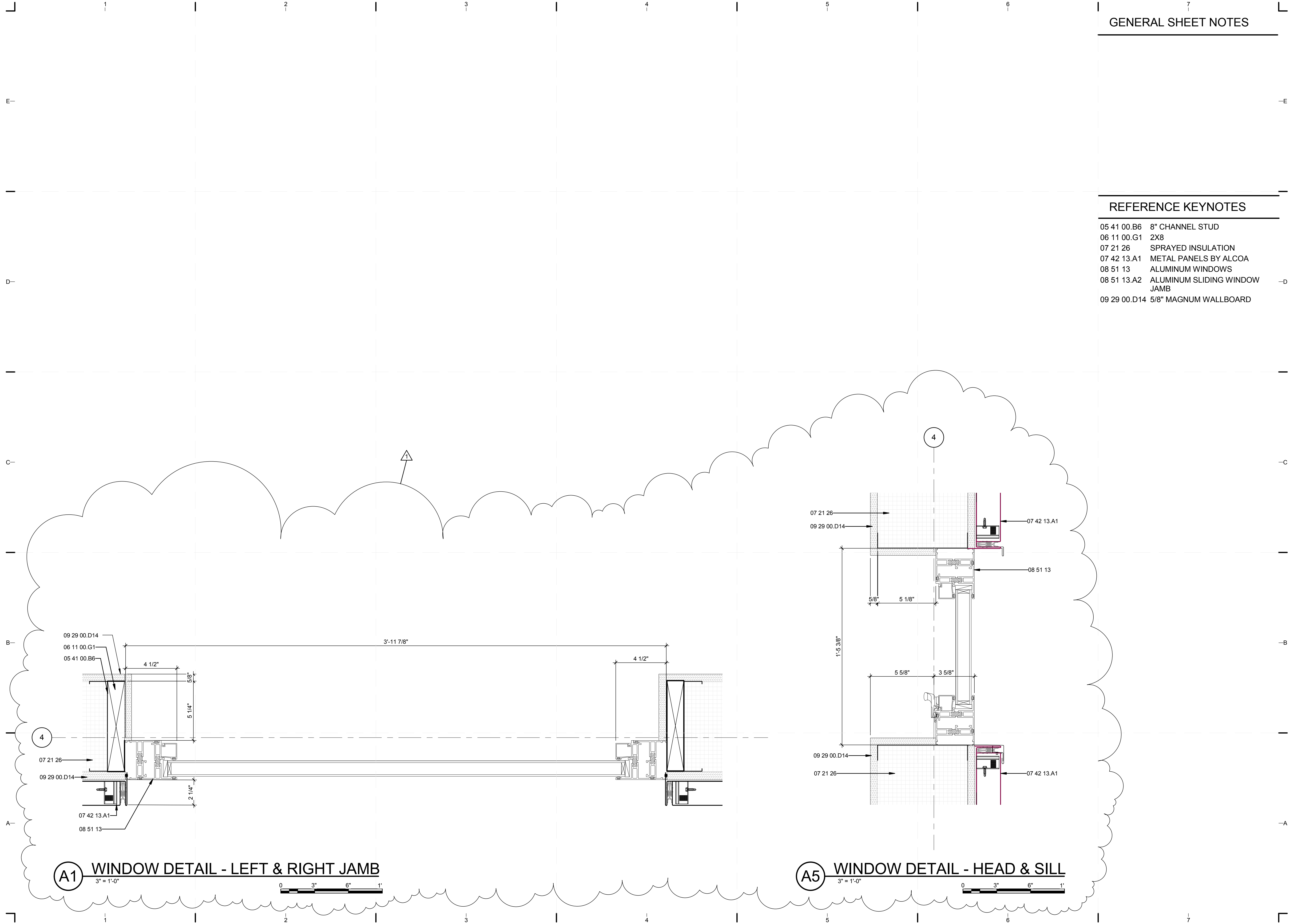
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WINDOW DETAILS

SHEET NUMBER

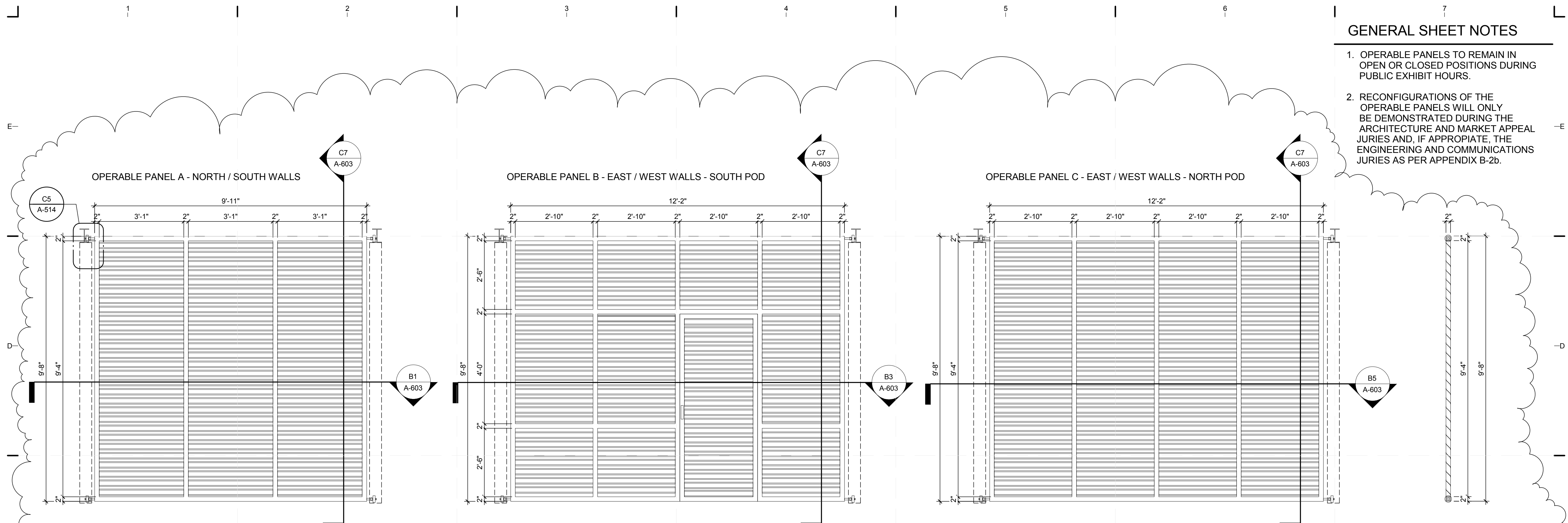
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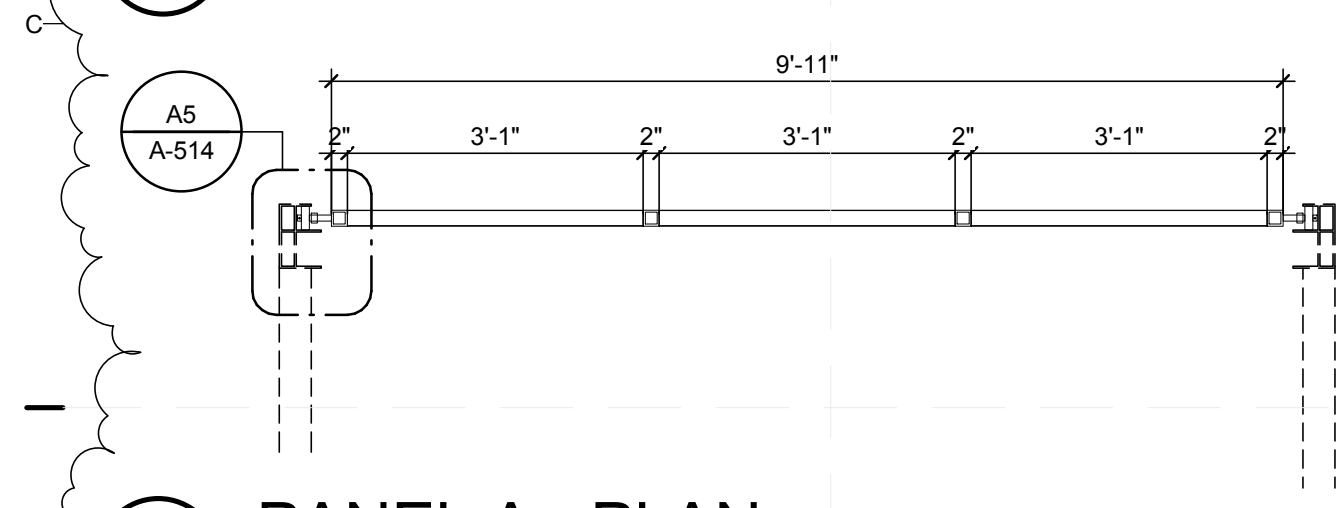
GENERAL SHEET NOTES

1. OPERABLE PANELS TO REMAIN IN OPEN OR CLOSED POSITIONS DURING PUBLIC EXHIBIT HOURS.
2. RECONFIGURATIONS OF THE OPERABLE PANELS WILL ONLY BE DEMONSTRATED DURING THE ARCHITECTURE AND MARKET APPEAL JURIES AND, IF APPROPRIATE, THE ENGINEERING AND COMMUNICATIONS JURIES AS PER APPENDIX B-2b.

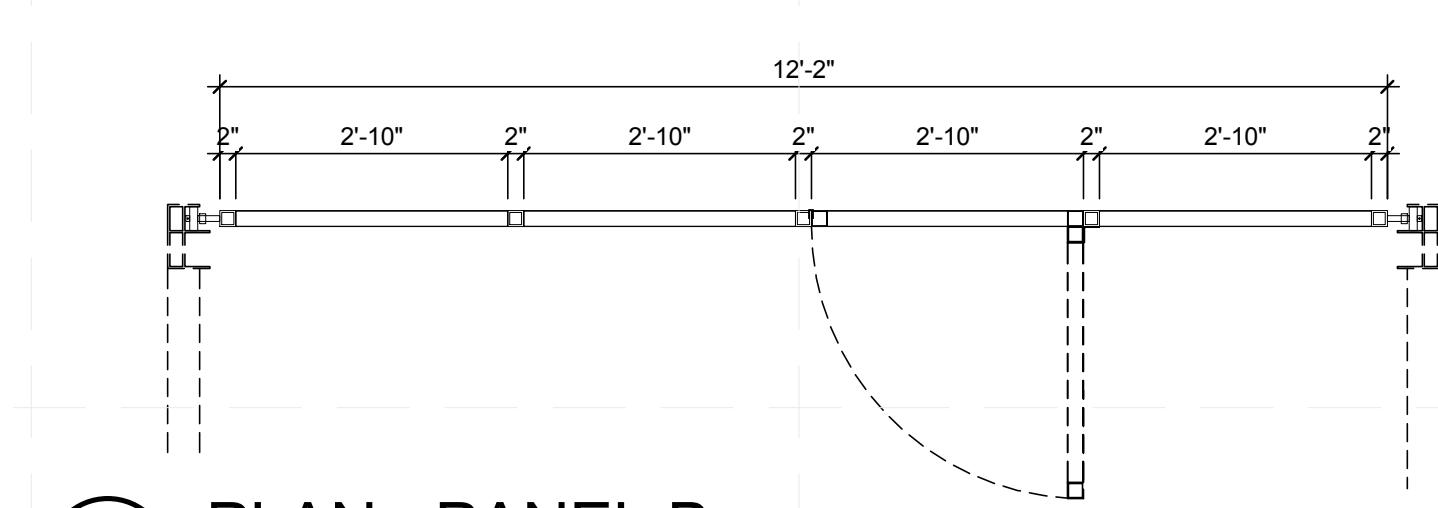


C1 OPERABLE LOUVER PANEL ELEVATIONS
1/2" = 1'-0"

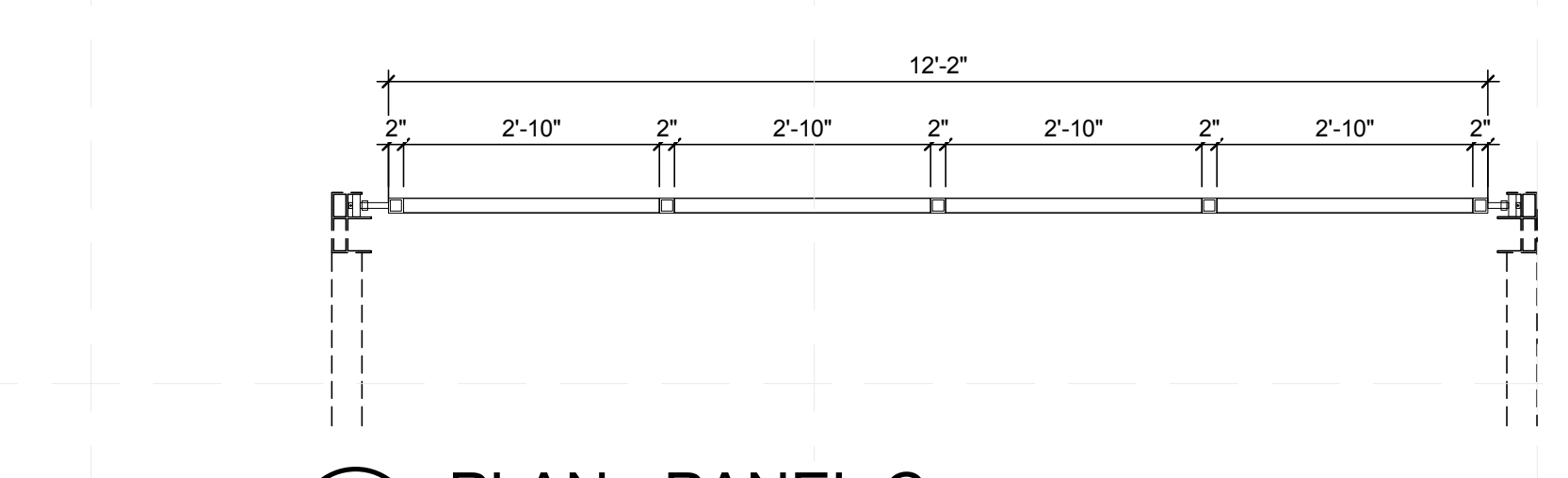
C7 PANEL SECTION
1/2" = 1'-0"



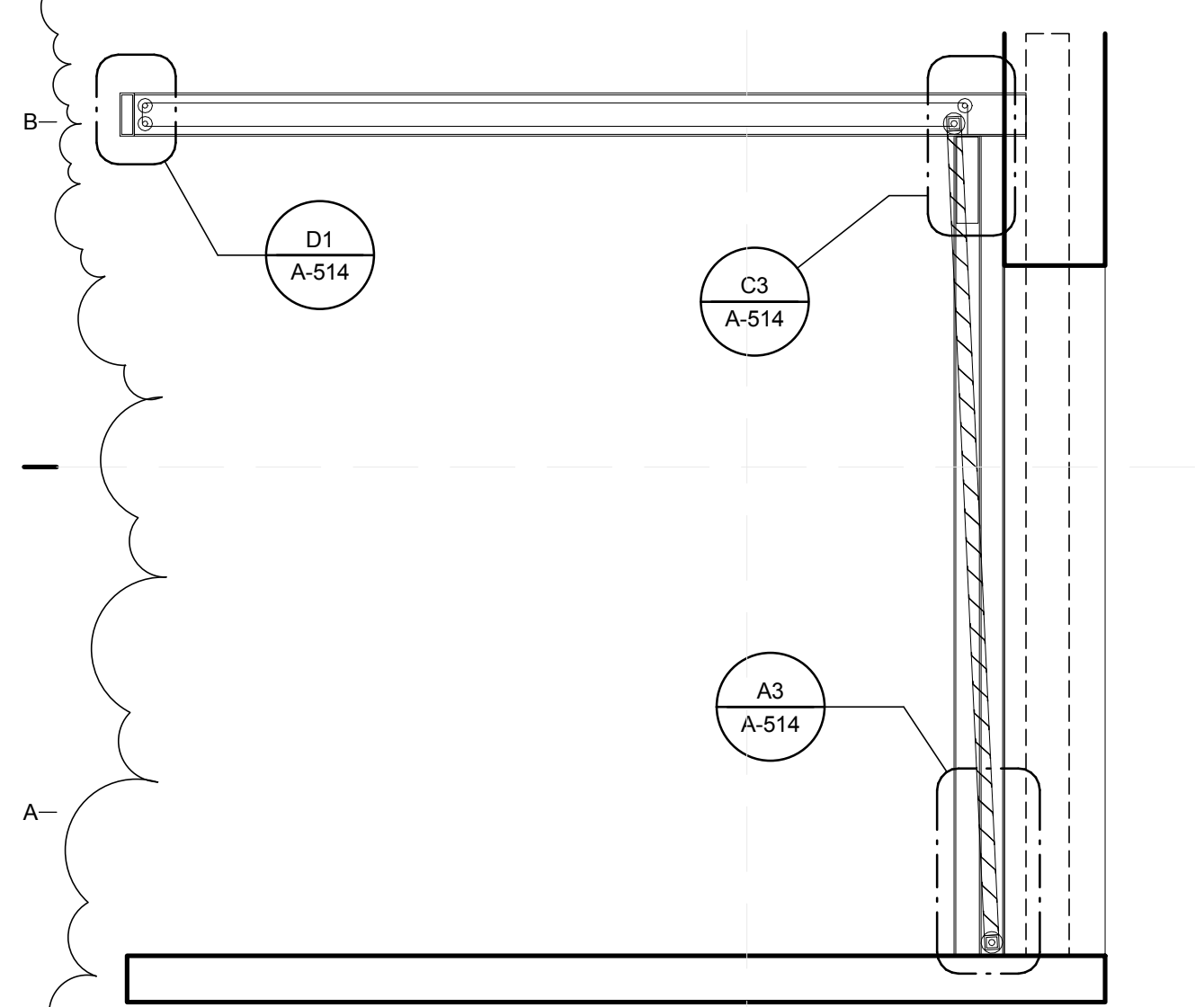
B1 PANEL A - PLAN
1/2" = 1'-0"



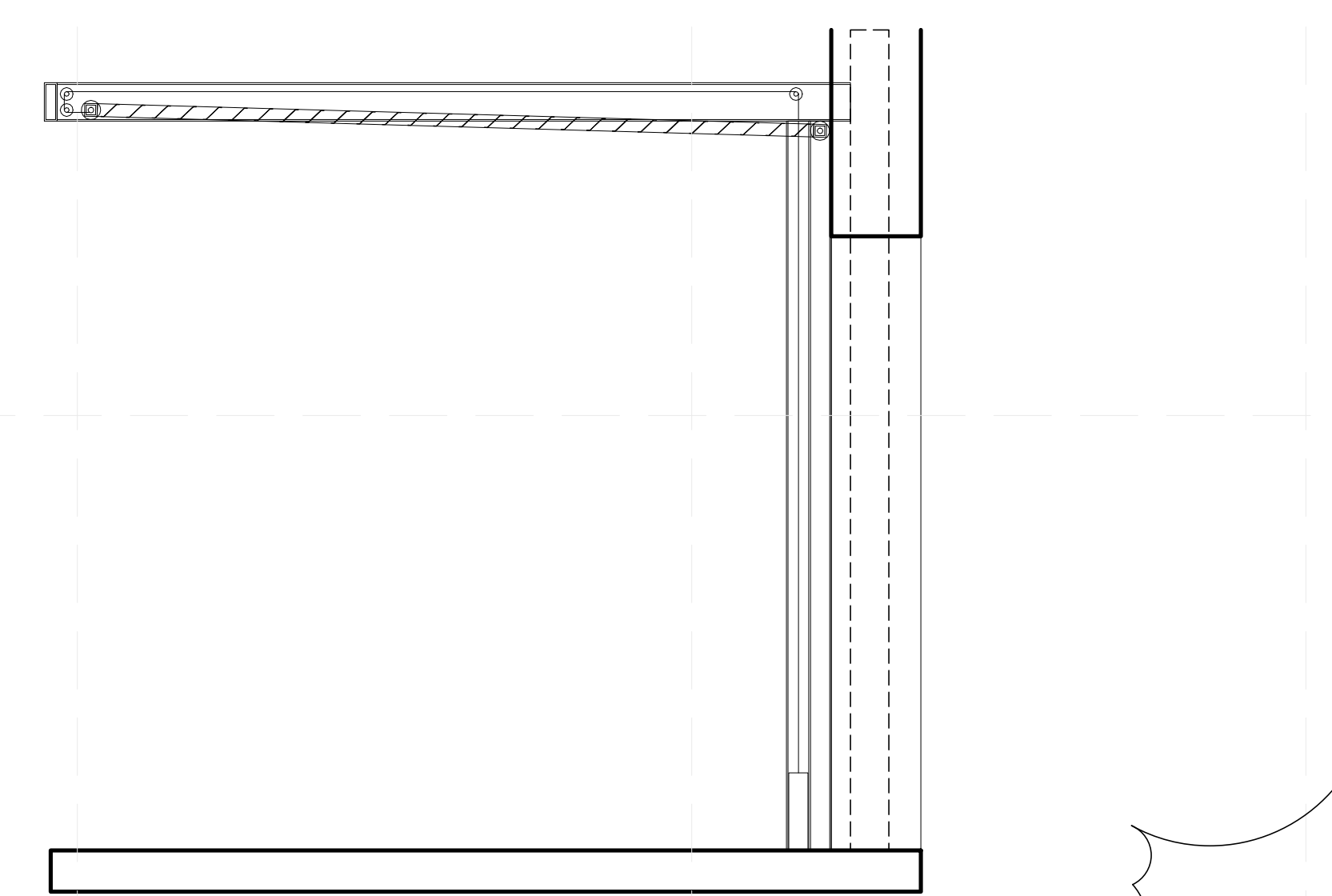
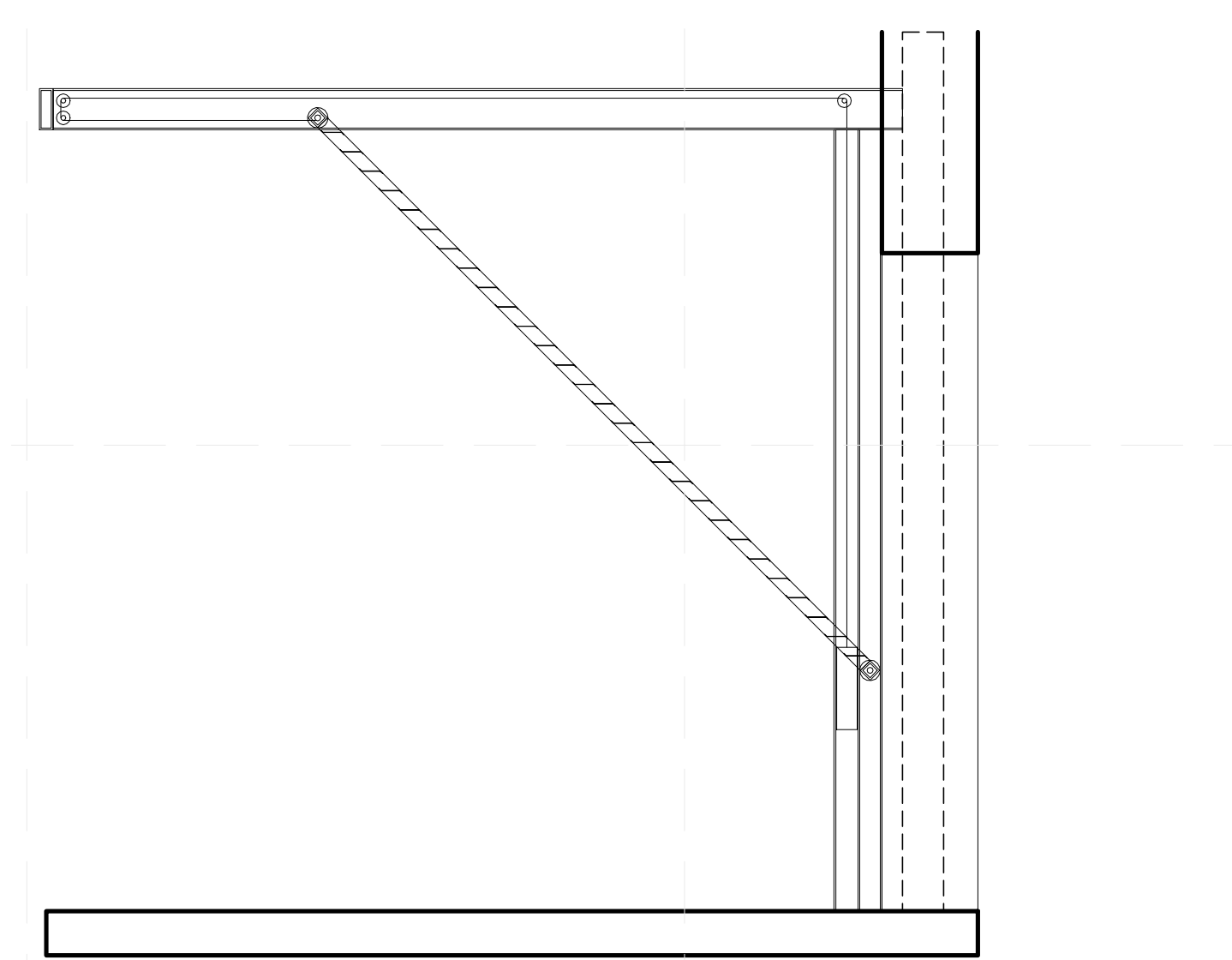
B3 PLAN - PANEL B
1/2" = 1'-0"



B5 PLAN - PANEL C
1/2" = 1'-0"

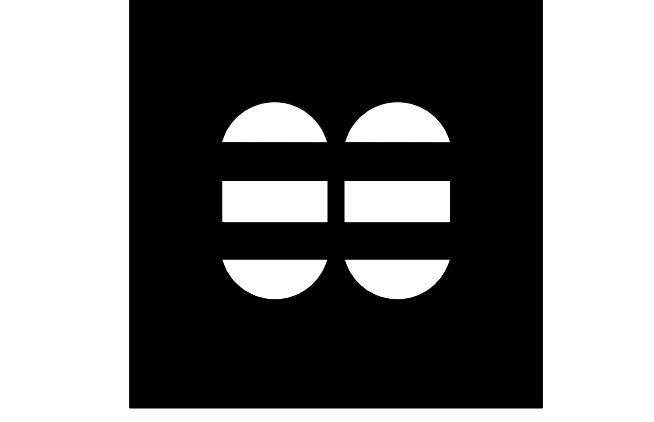


A1 OPERABLE PANEL MOVEMENT DIAGRAMS
1/2" = 1'-0"



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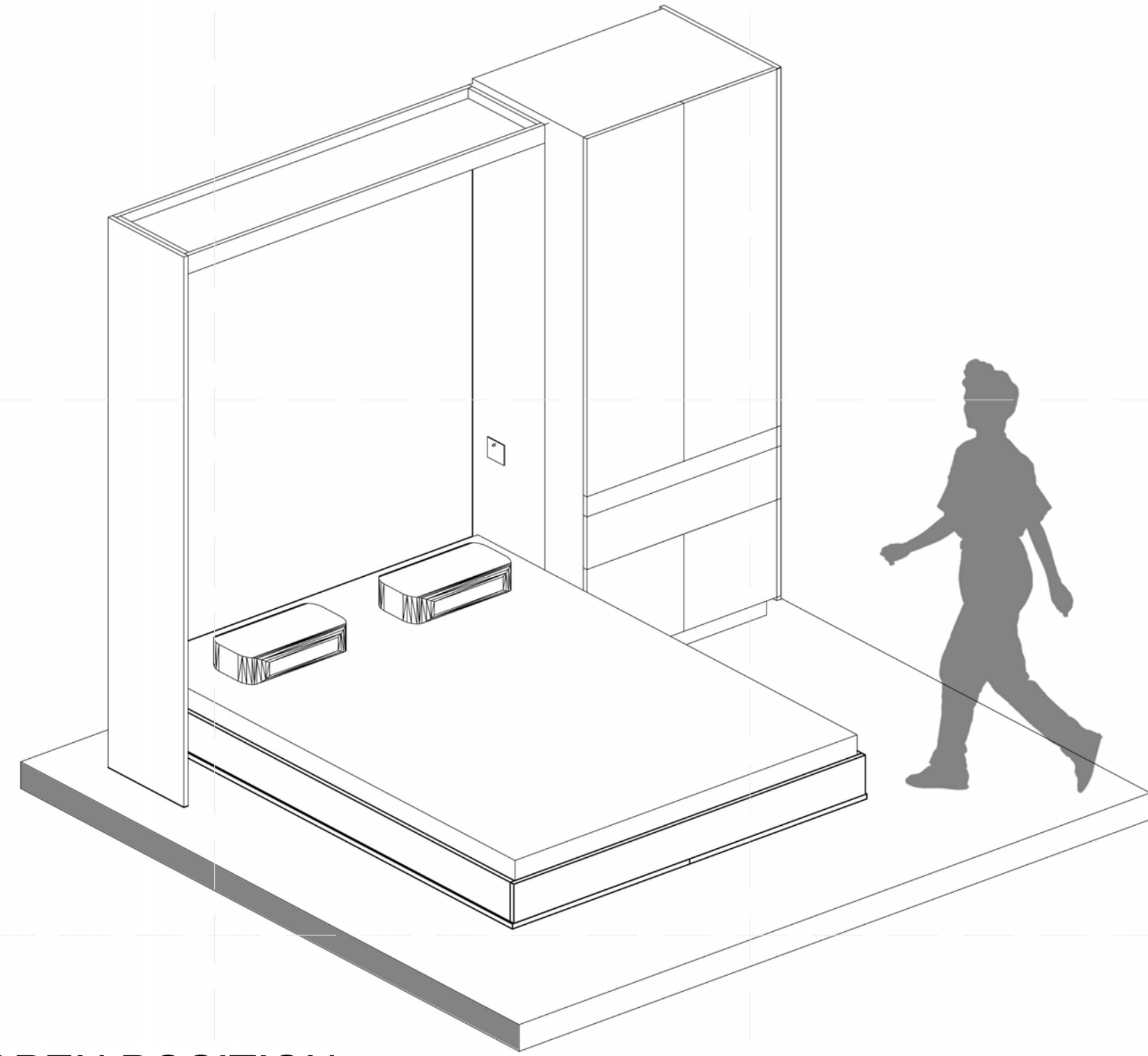
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MOVEABLE COMPONENT DIAGRAM

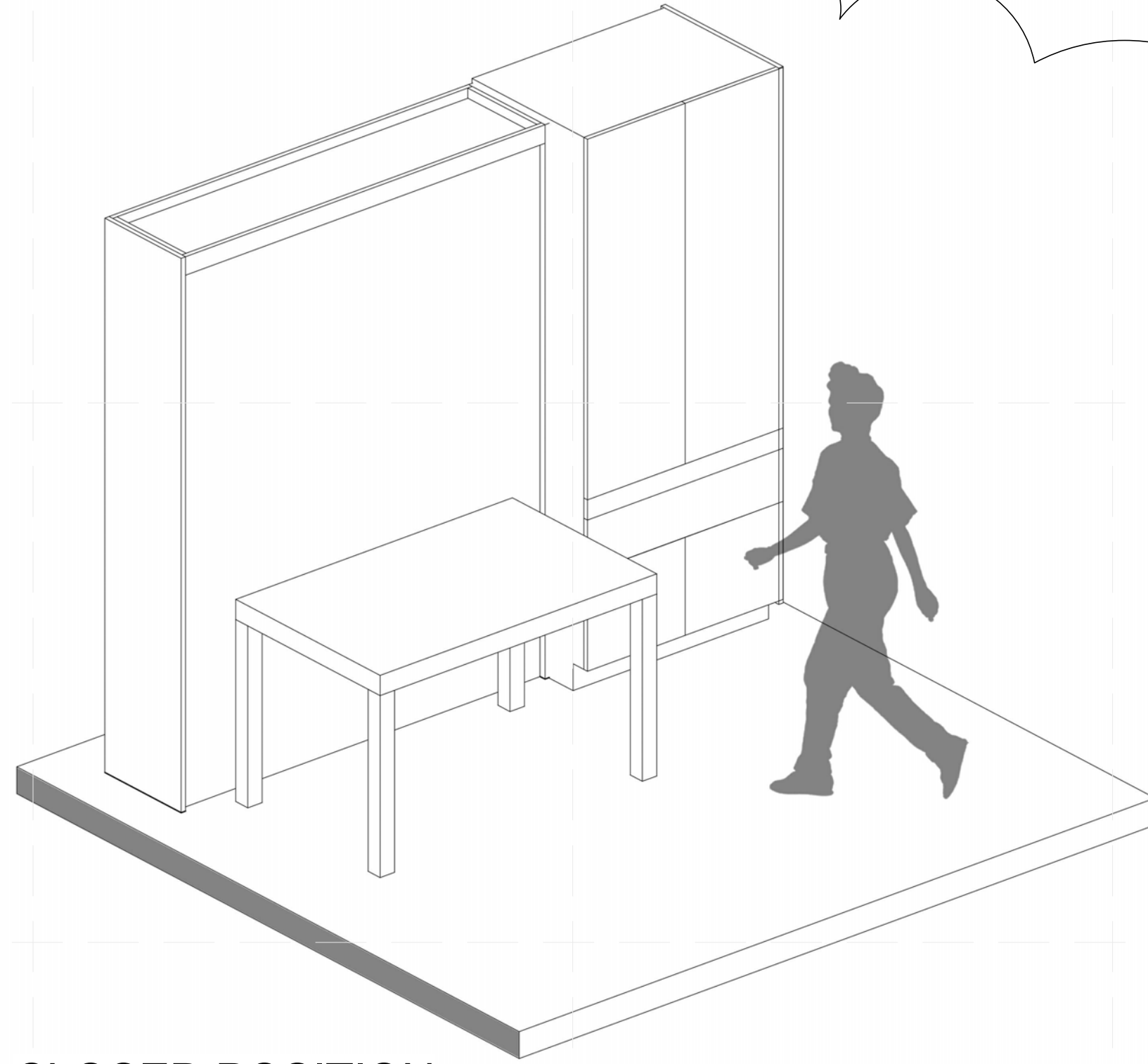
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A-603

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MURPHY BED - MOVEMENT DIAGRAMS



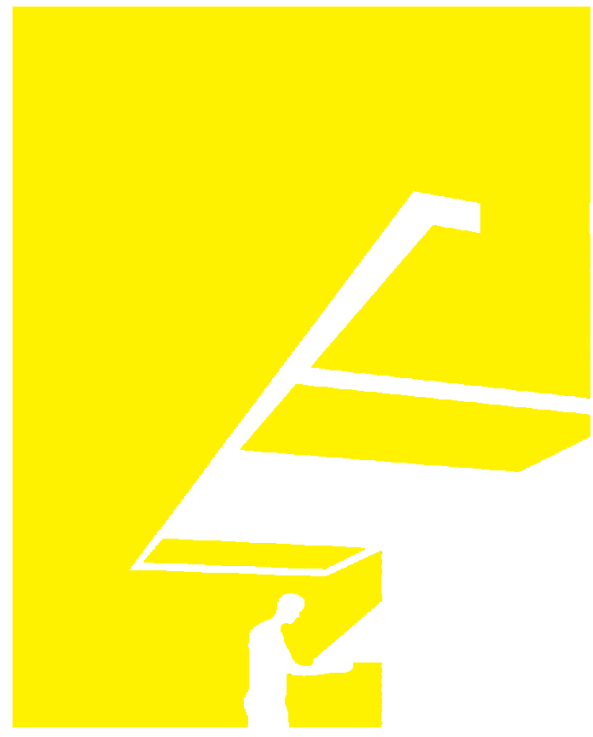
OPEN POSITION



CLOSED POSITION

GENERAL SHEET NOTES

- MURPHY BED TO REMAIN IN OPEN OR CLOSED POSITIONS DURING PUBLIC EXHIBIT HOURS.
- RECONFIGURATIONS OF THE MURPHY BED WILL ONLY BE DEMONSTRATED DURING THE ARCHITECTURE AND MARKET APPEAL JURIES AND, IF APPROPRIATE, THE ENGINEERING AND COMMUNICATIONS JURIES AS PER APPENDIX B-2b.



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JUL. 30. 2011

PAUL A. MARTINEZ, P.E.
 FLORIDA REG. NO. 42650

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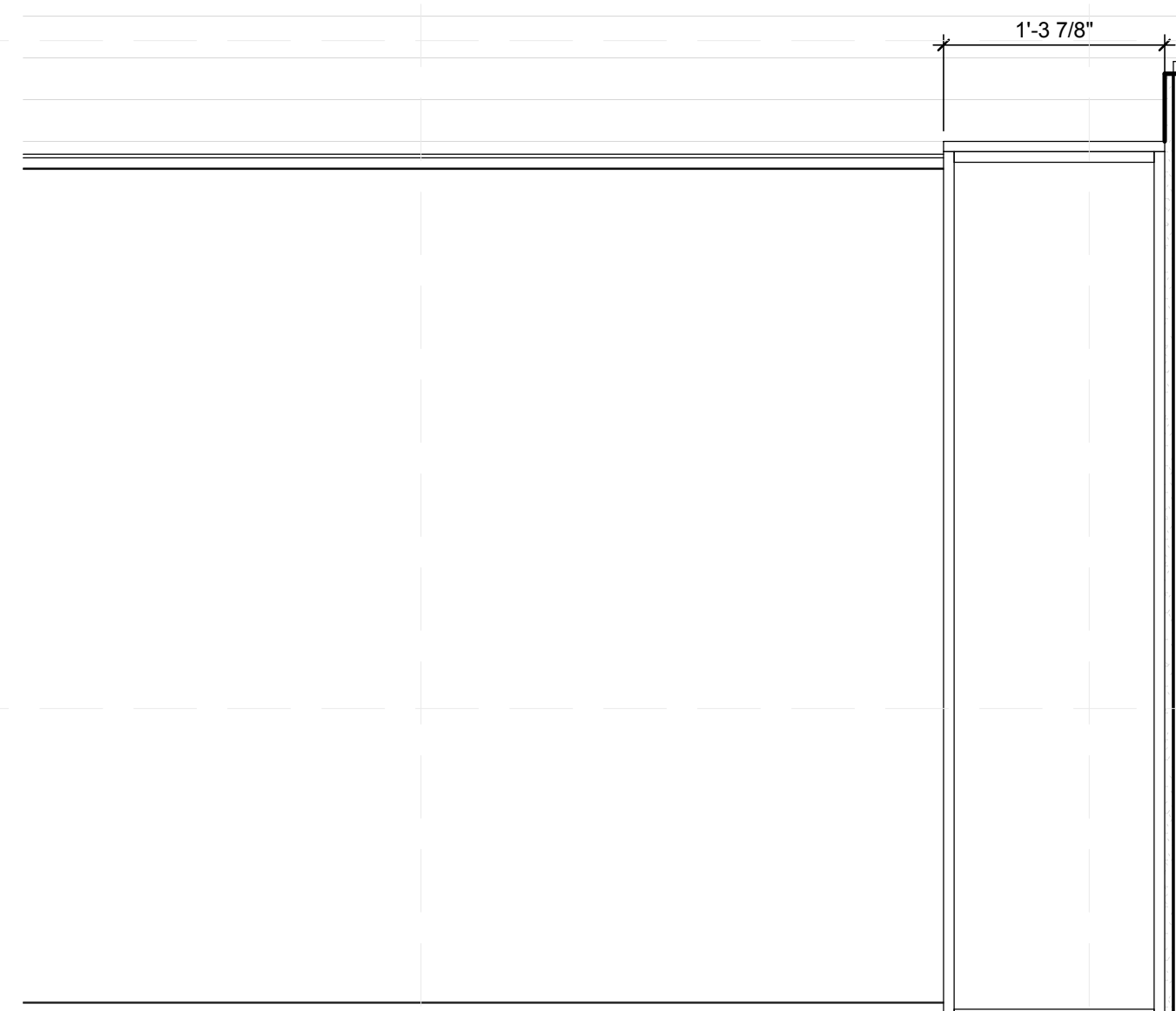
SHEET INFORMATION

LOT NUMBER: 206
 DRAWN BY: CROMERO
 CHECKED BY: Checker
 COPYRIGHT: NONE: PROJECT IS PUBLIC DOMAIN

SHEET TITLE
MOVEABLE COMPONENT DIAGRAM

SHEET NUMBER

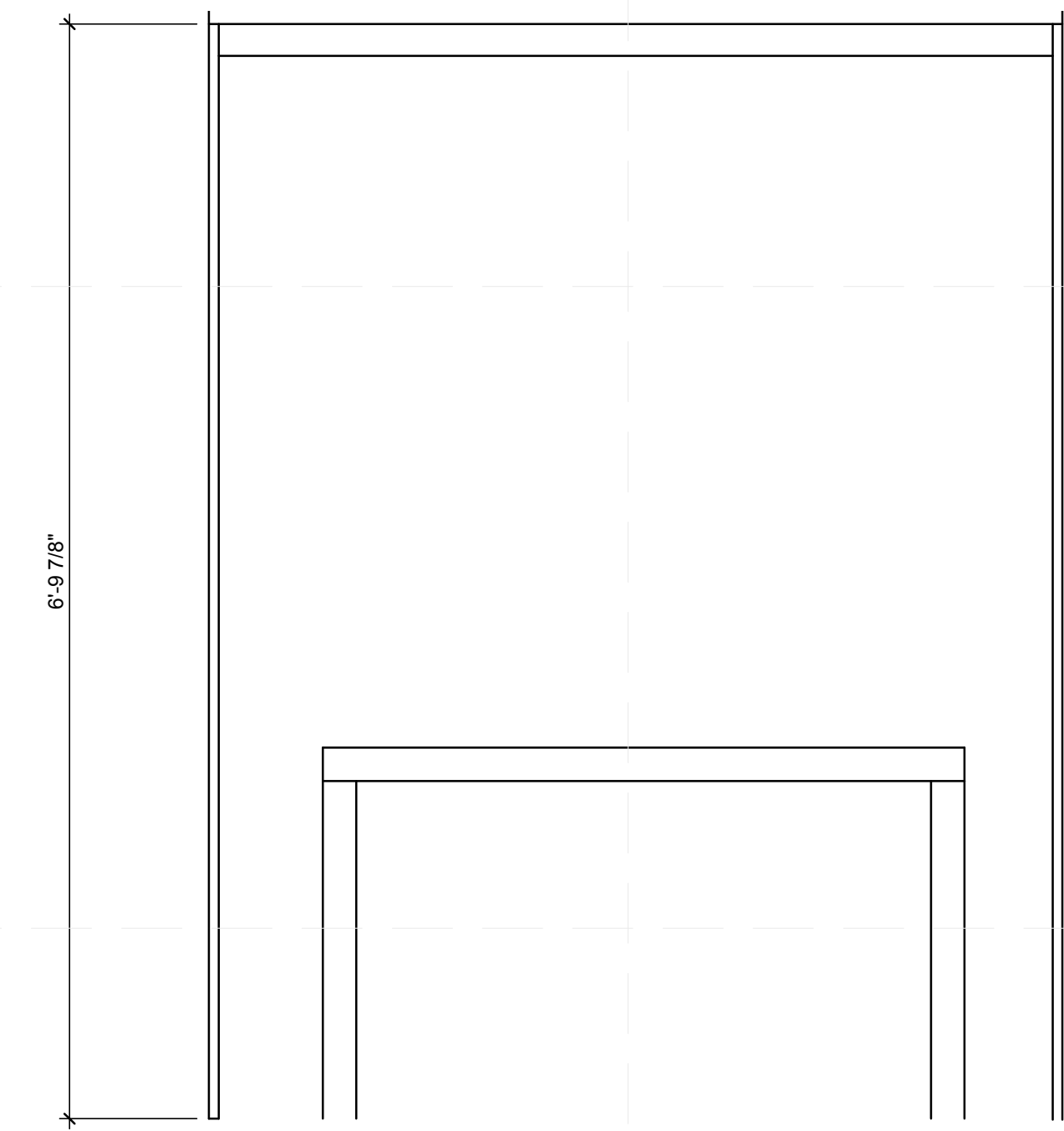
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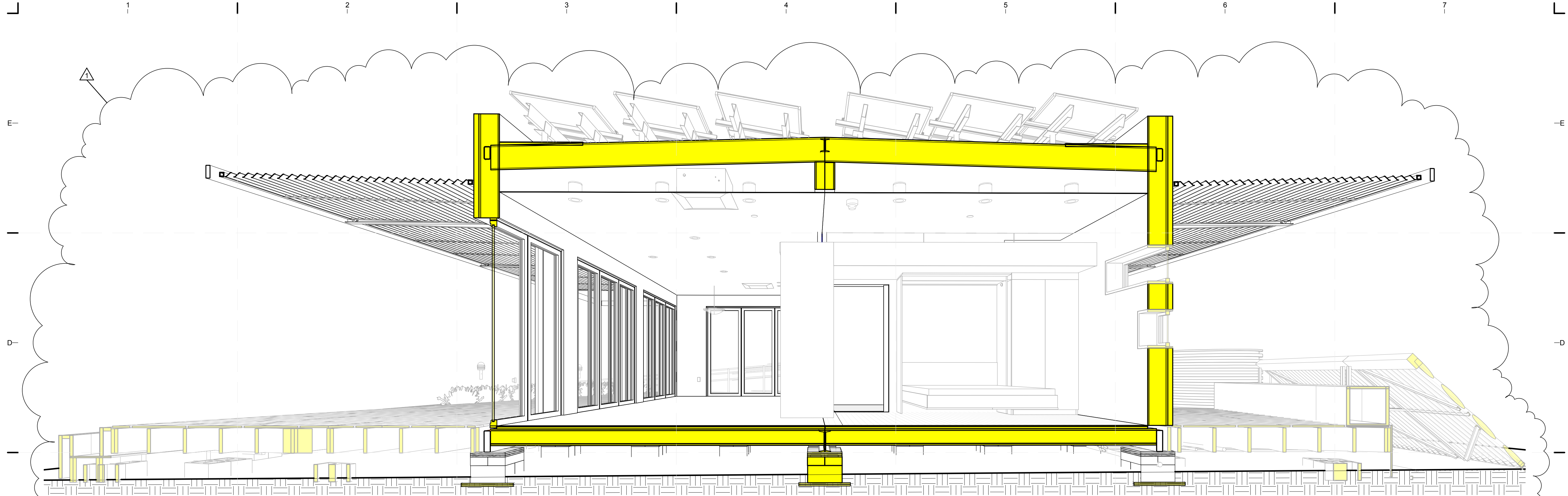
1 MURPHY BED - PLAN
 1" = 1'-0"
 0 1' 2' 4'



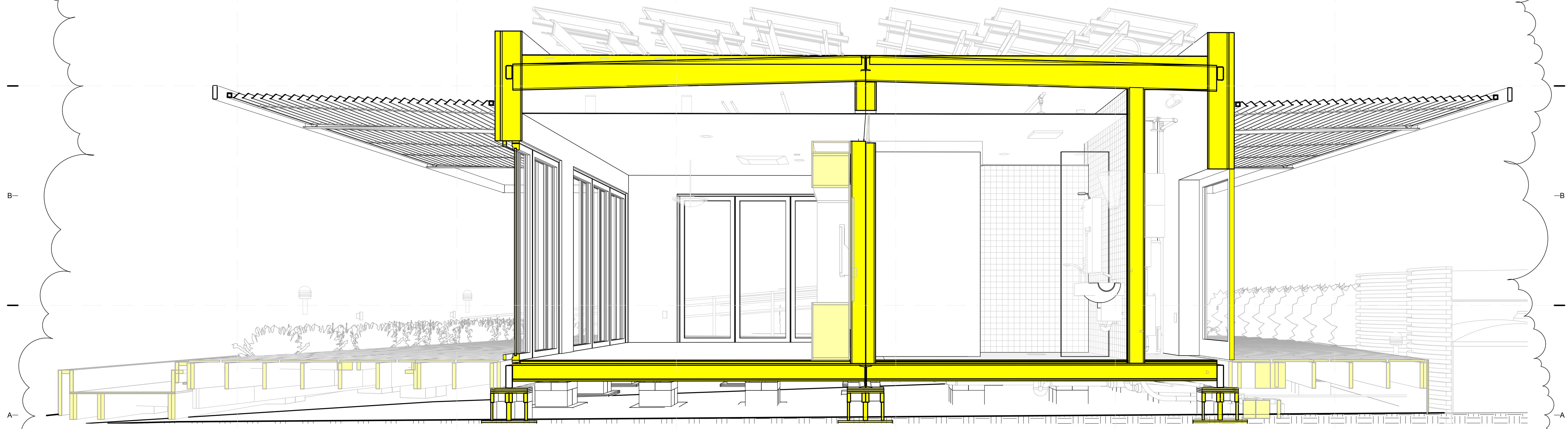
2 MURPHY BED - SECTION
 1" = 1'-0"
 0 1' 2' 4'



3 MURPHY BED - ELEVATION
 1" = 1'-0"
 0 1' 2' 4'

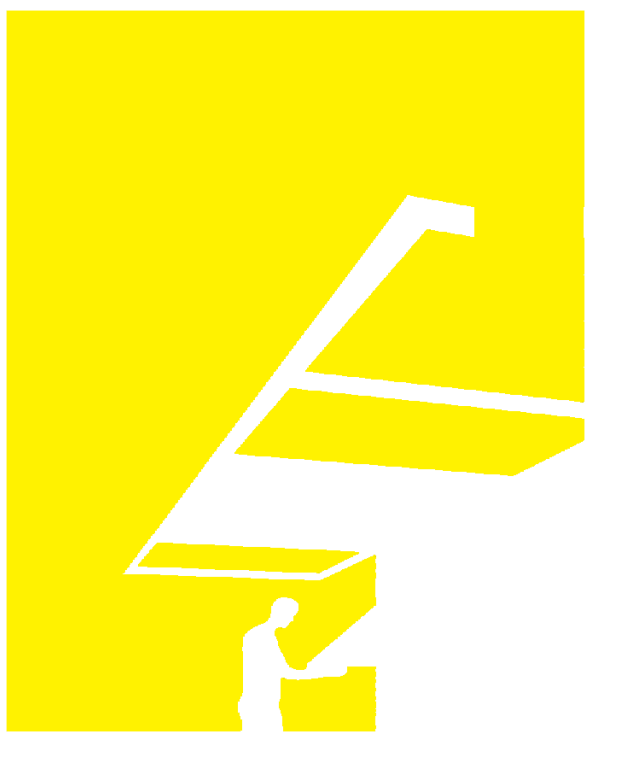


(C1) 3D SECTIONAL PERSPECTIVE A



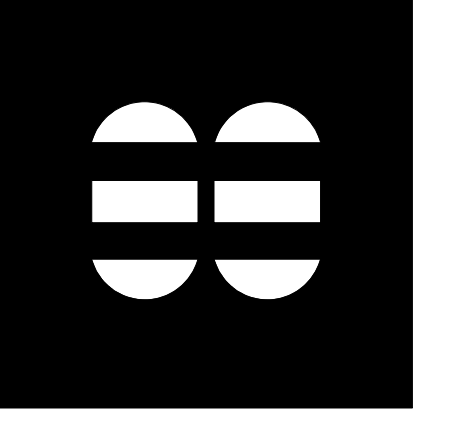
(A1) 3D SECTIONAL PERSPECTIVE B

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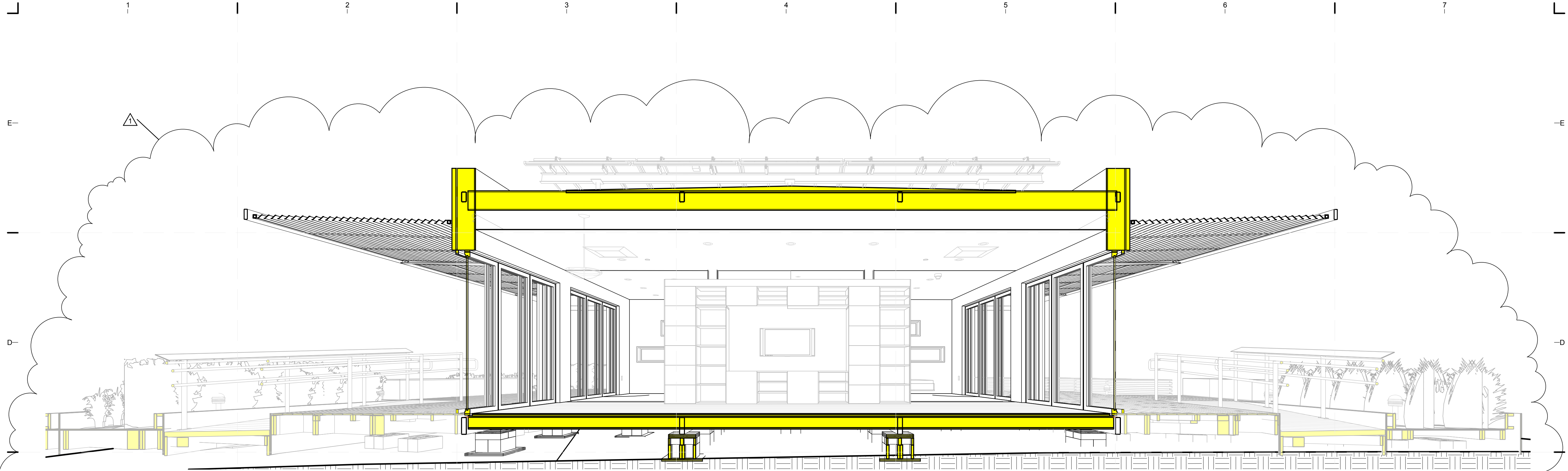


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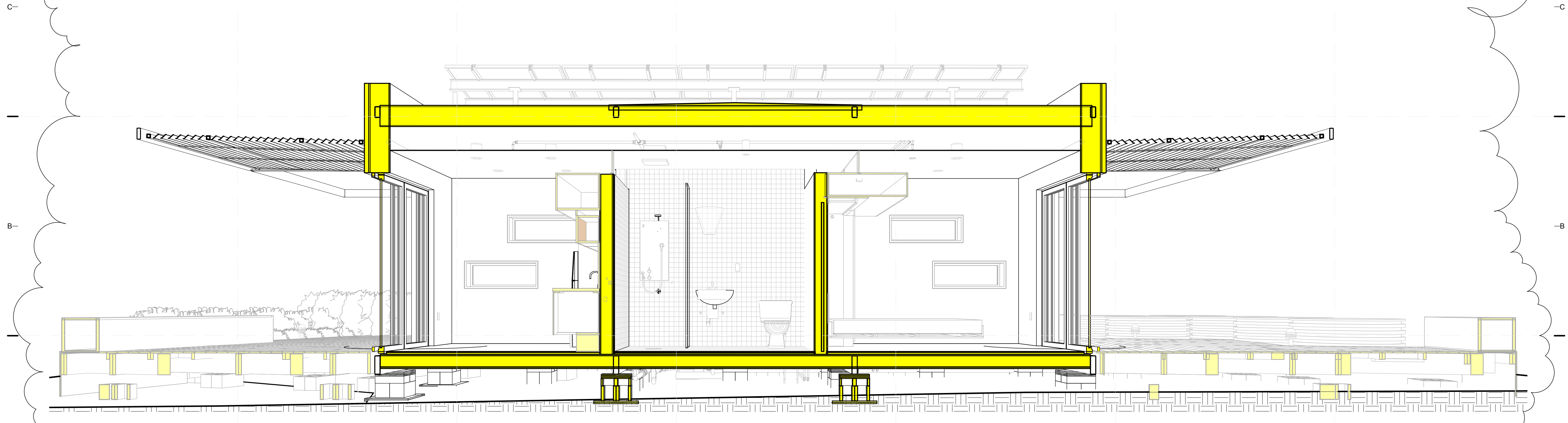
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SHEET TITLE
ARCHITECTURAL RENDERINGS

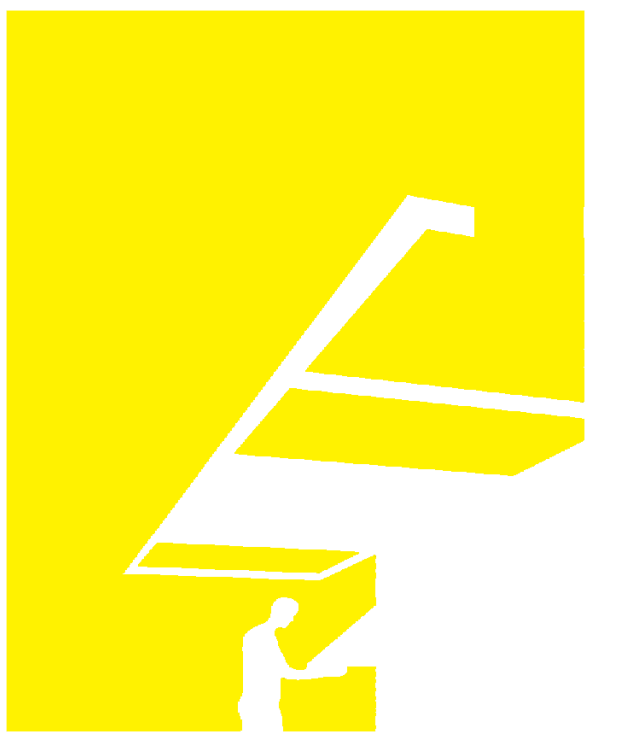
SHEET NUMBER
A-901



(C1) 3D SECTIONAL PERSPECTIVE C

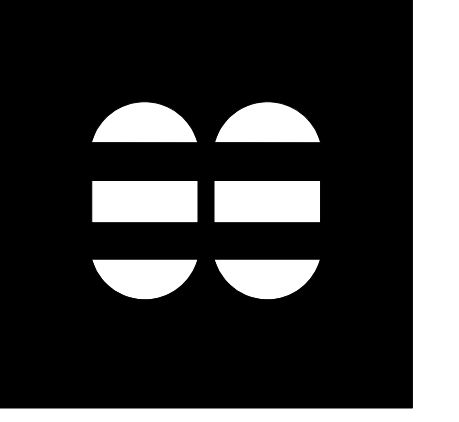


(A1) 3D SECTIONAL PERSPECTIVE D



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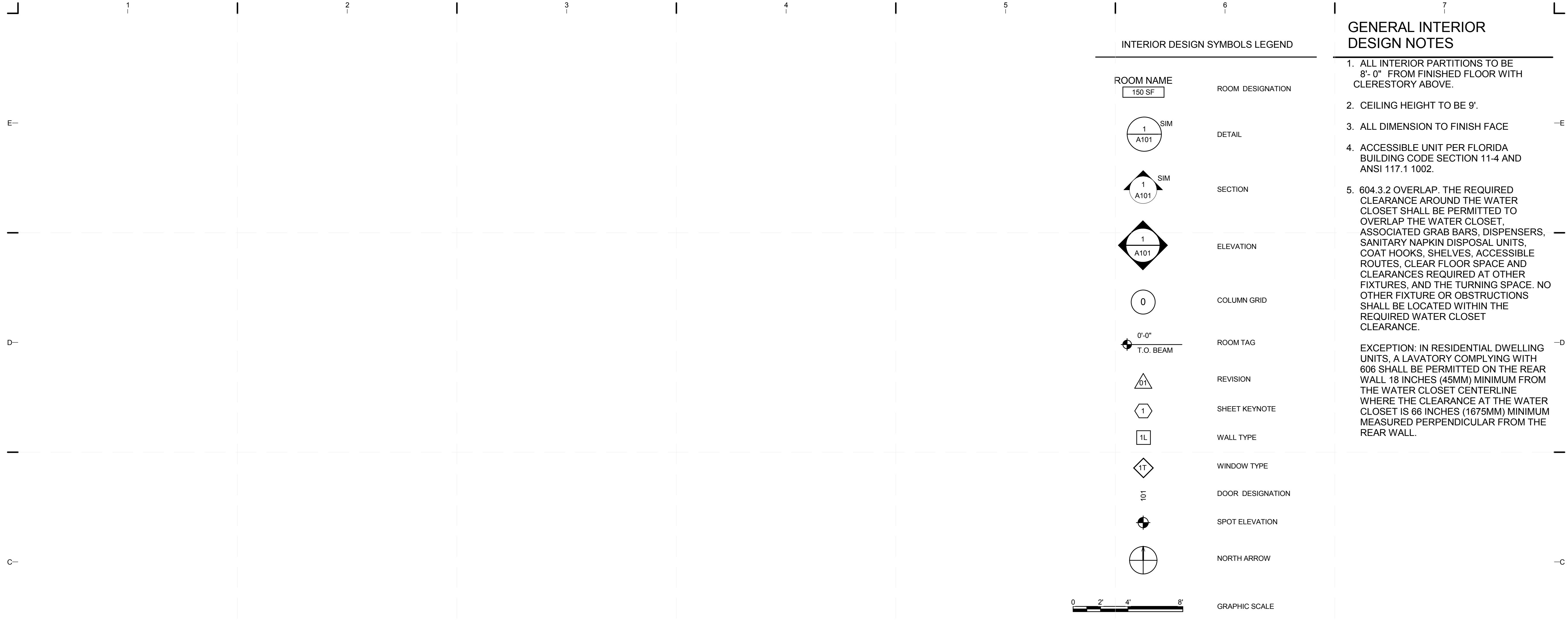


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SHEET TITLE
ARCHITECTURAL RENDERINGS

SHEET NUMBER
A-902



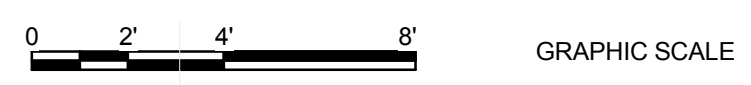
INTERIOR DESIGN SYMBOLS LEGEND

ROOM NAME 150 SF	ROOM DESIGNATION
1 A101	DETAIL
1 A101	SECTION
1 A101	ELEVATION
0	COLUMN GRID
0'-0" T.O. BEAM	ROOM TAG
01	REVISION
1	SHEET KEYNOTE
1L	WALL TYPE
1T	WINDOW TYPE
10	DOOR DESIGNATION
+	SPOT ELEVATION
+	NORTH ARROW

GENERAL INTERIOR DESIGN NOTES

- ALL INTERIOR PARTITIONS TO BE 8'-0" FROM FINISHED FLOOR WITH CLERESTORY ABOVE.
- CEILING HEIGHT TO BE 9'.
- ALL DIMENSION TO FINISH FACE
- ACCESSIBLE UNIT PER FLORIDA BUILDING CODE SECTION 11-4 AND ANSI 117.1 1002.
- 604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURE OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

EXCEPTION: IN RESIDENTIAL DWELLING UNITS, A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED ON THE REAR WALL 18 INCHES (45MM) MINIMUM FROM THE WATER CLOSET CENTERLINE WHERE THE CLEARANCE AT THE WATER CLOSET IS 66 INCHES (1675MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

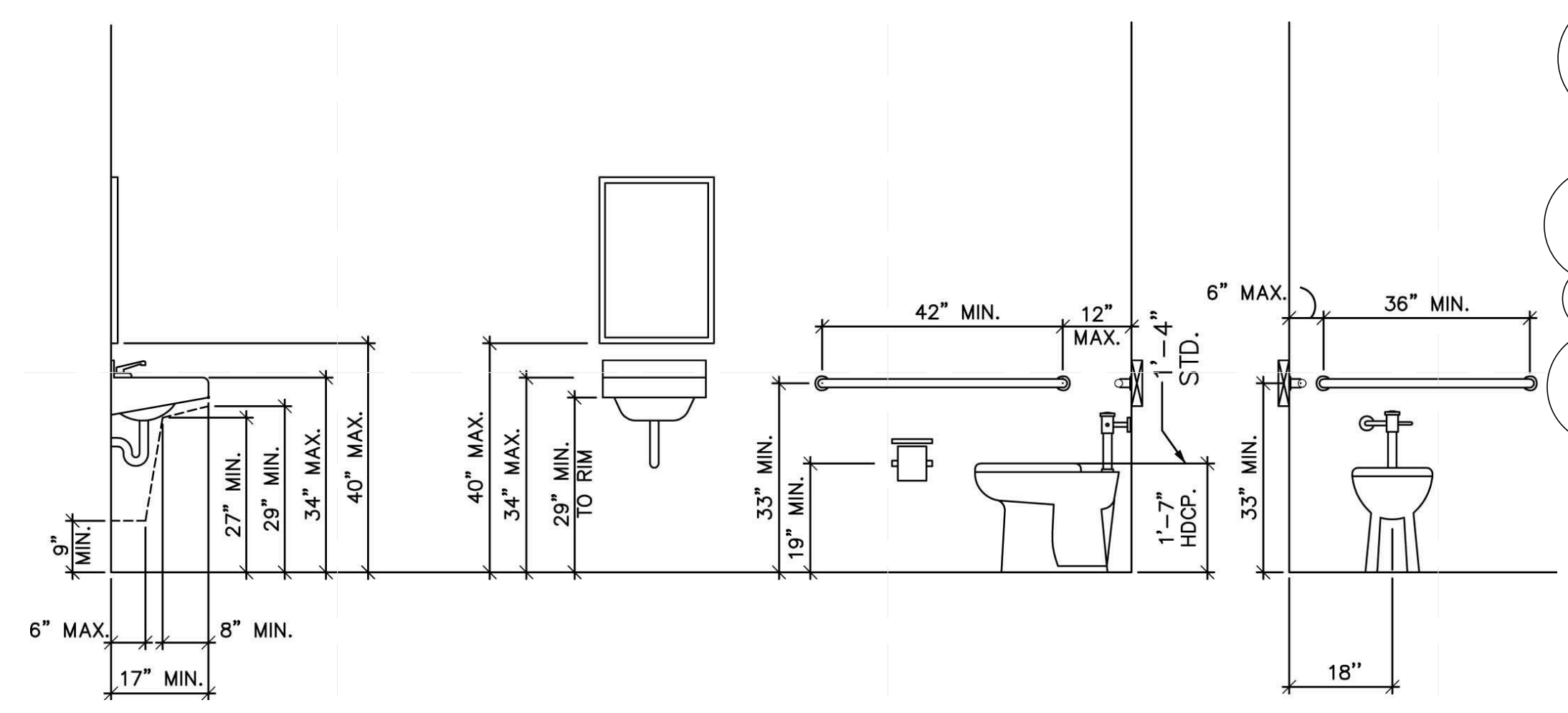


C4 DRAWING BLOCK TITLE
1 1/2" = 1'-0"

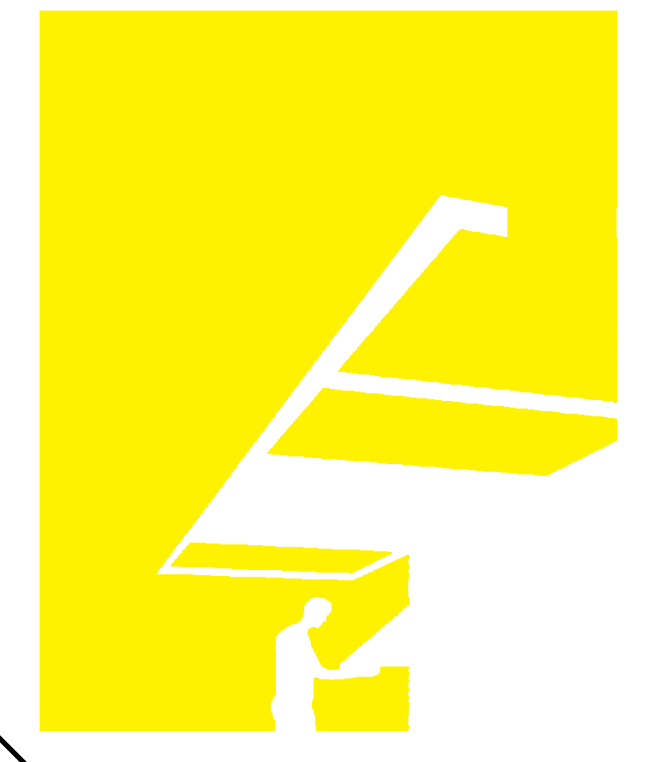
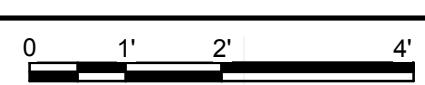
SHEET NO.	SHEET NAME
I-001	INTERIOR SYMBOLS AND NOTES
I-101	INTERIOR DESIGN PLAN
I-101b	CORE FRAMING PLAN
I-102	INTERIOR DESIGN PLAN - FIXTURES AND CASEWORK
I-103	INTERIOR FURNISHING PLAN
I-104	INTERIOR DESIGN REFLECTED CEILING PLAN
I-201	INTERIOR DESIGN ELEVATIONS
I-202	INTERIOR DESIGN ELEVATIONS
I-203	INTERIOR DESIGN ELEVATIONS
I-204	INTERIOR DESIGN ELEVATIONS
I-205	INTERIOR DESIGN ELEVATIONS
I-301	INTERIOR SECTIONS
I-302	INTERIOR SECTIONS
I-501	INTERIOR DESIGN DETAILS
I-502	INTERIOR DESIGN DETAILS
I-503	INTERIOR DESIGN DETAILS
I-504	INTERIOR DESIGN DETAILS
I-505	INTERIOR DESIGN DETAILS
I-601	INTERIOR DESIGN SCHEDULES
I-901	INTERIOR RENDERINGS
I-902	INTERIOR RENDERINGS

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
B.O.	BOTTOM OF
CFM	CUBIC FEET PER MINUTE
COL	COLUMN
CONC	CONCRETE
CW	COLD WATER
DC	DIRECT CURRENT
EA	EACH
F.F.E.	FINISHED FLOOR ELEVATION
FIU	FLORIDA INTERNATIONAL UNIVERSITY
GA	GAUGE
GYP	GYPSUM
HSS	HOLLOW STEEL SECTION
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
INSUL	INSULATION
MAX	MAXIMUM
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MIN	MINIMUM
MTL	METAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PFAS	PERSONAL FALL ARREST SYSTEM
PV	PHOTOVOLTAIC
RAD	RADIUS
R.O.	ROUGH OPENING
RWL	RAIN WATER LEADER
S.F.	SQUARE FEET
SIM	SIMILAR
STL	STEEL
T.O.	TOP OF
T&G	TONGUE & GROOVE
TYP	TYPICAL

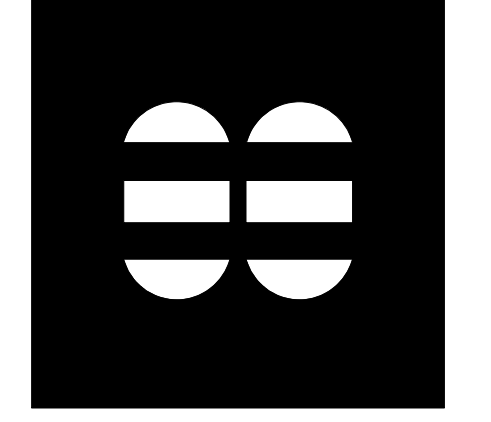


A1 ADA RESTROOM ACCESSORY DIMENSIONS
1/2" = 1'-0"



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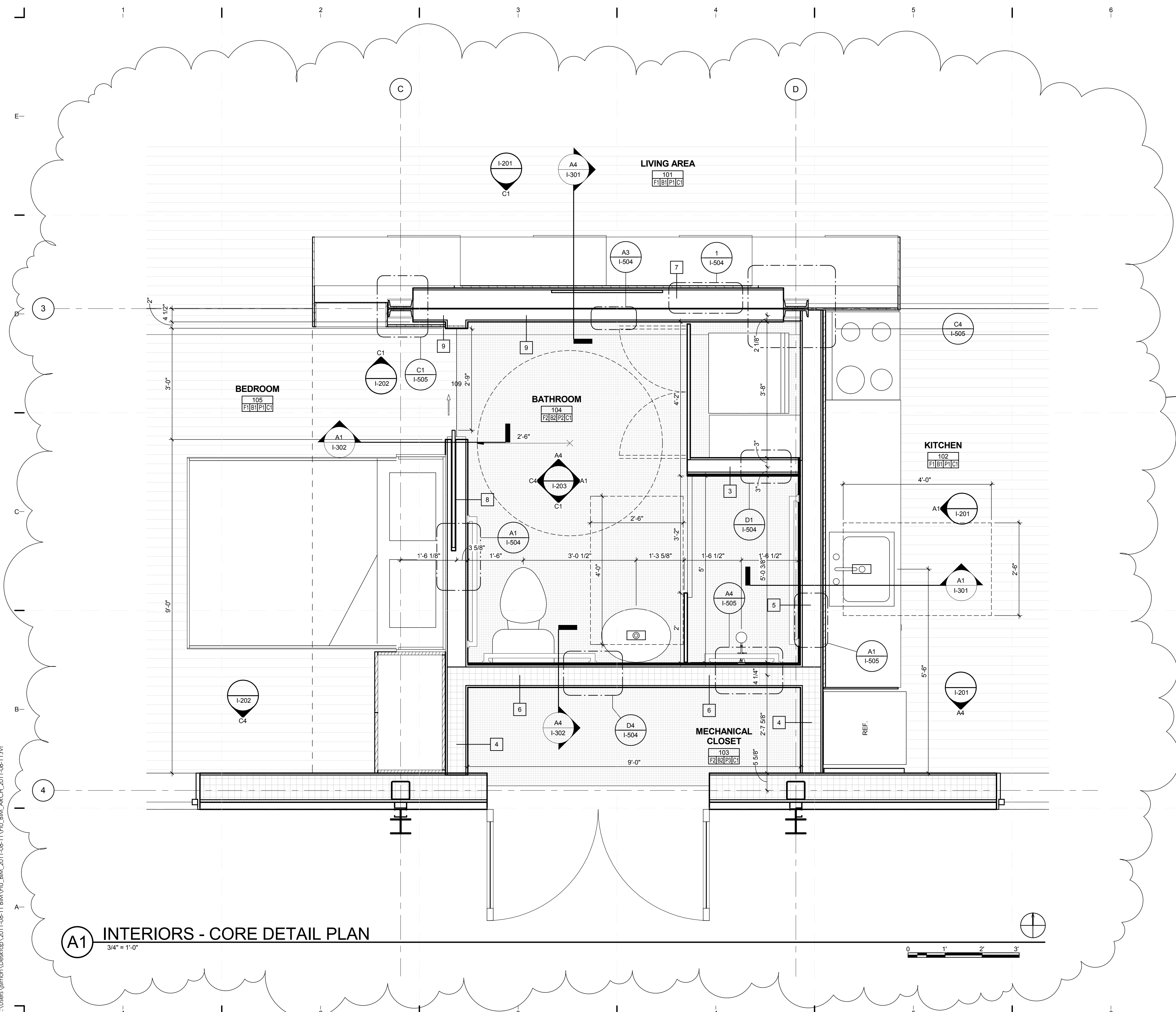
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SHEET TITLE
INTERIOR SYMBOLS AND NOTES
 SHEET NUMBER
I-001



A1 INTERIORS - CORE DETAIL PLAN
3/4" = 1'-0"

GENERAL SHEET NOTES

- SEE SHEET I-505 - I-507 FOR WALL TYPES
- ACCESSIBLE UNIT PER ANSI 117.1
 - 1002 ACCESSIBLE UNITS
 - 1002.1 GENERAL ACCESSIBLE UNITS SHALL COMPLY WITH SECTION 1002.
 - 1000.2 PRIMARY ENTRANCE
 - 1000.3 ACCESSIBLE ROUTE
 - 1000.4 WALKING SURFACES
 - 1000.5 DOORS AND DOORWAYS
 - 1000.6 RAMPS
 - 1000.9 OPERABLE PARTS
 - 1000.10 LAUNDRY EQUIPMENT
 - 1000.11 TOILET AND BATHING FACILITIES
 - 1000.12 KITCHENS
 - 1000.13 WINDOWS
 - 1000.14 STORAGE FACILITIES

SHEET KEYNOTES



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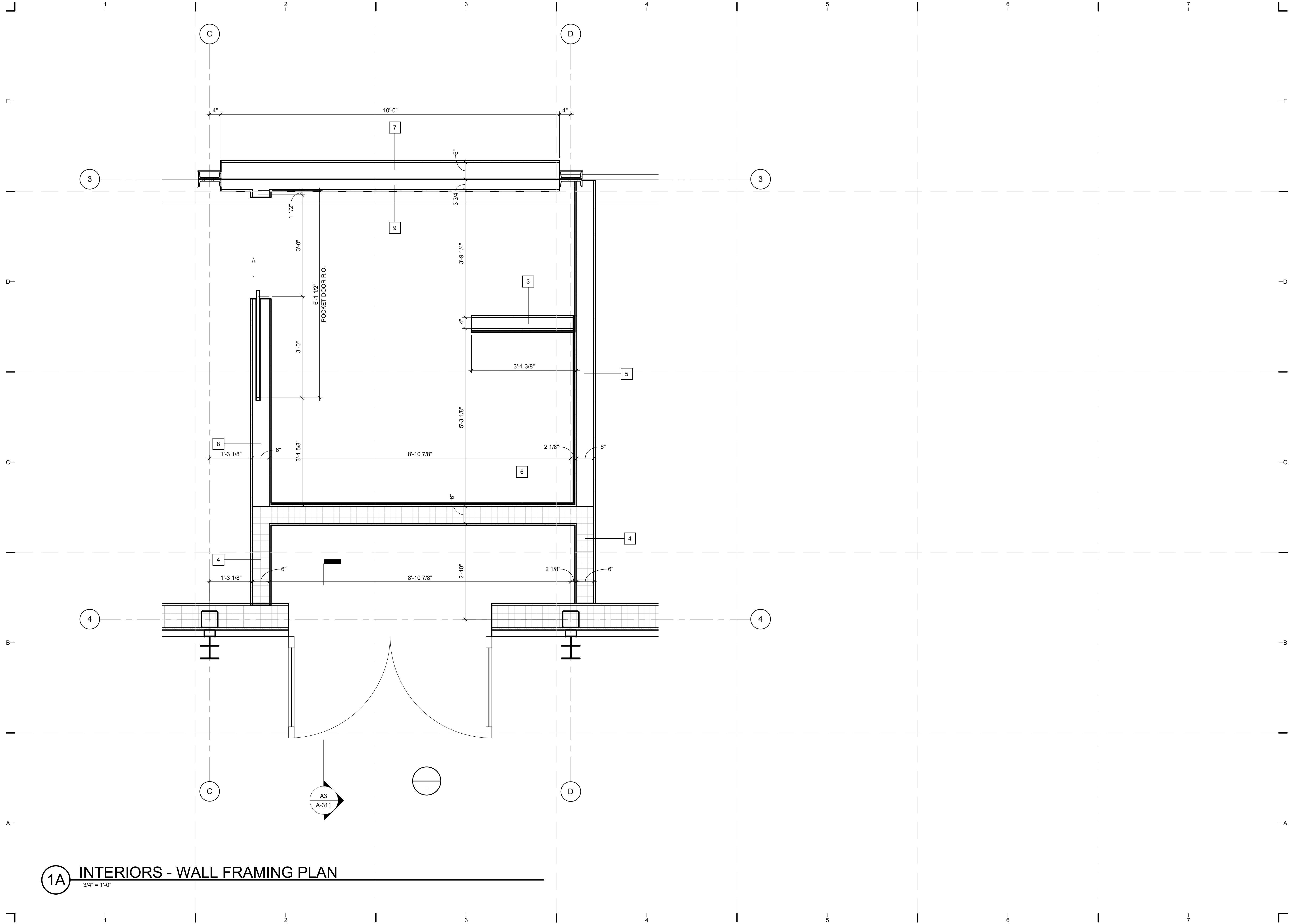
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 LOT NUMBER: 206
 DRAWN BY: G.RIVERA
 CHECKED BY: Checker
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SHEET TITLE
INTERIOR DESIGN PLAN

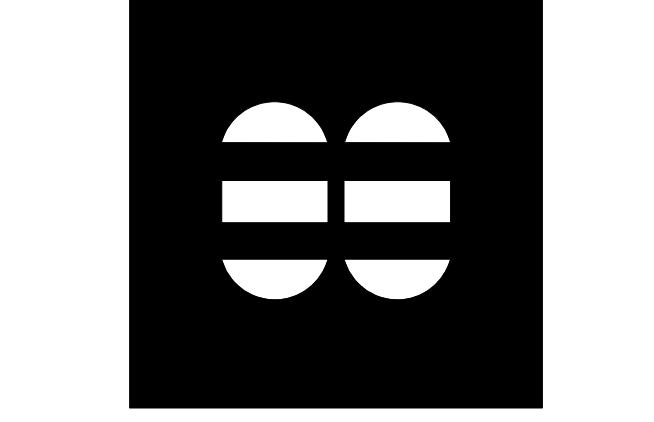
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I-101

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U.S. DEPARTMENT OF ENERGY
SOLAR DECATHLON

MARK	DATE	DESCRIPTION

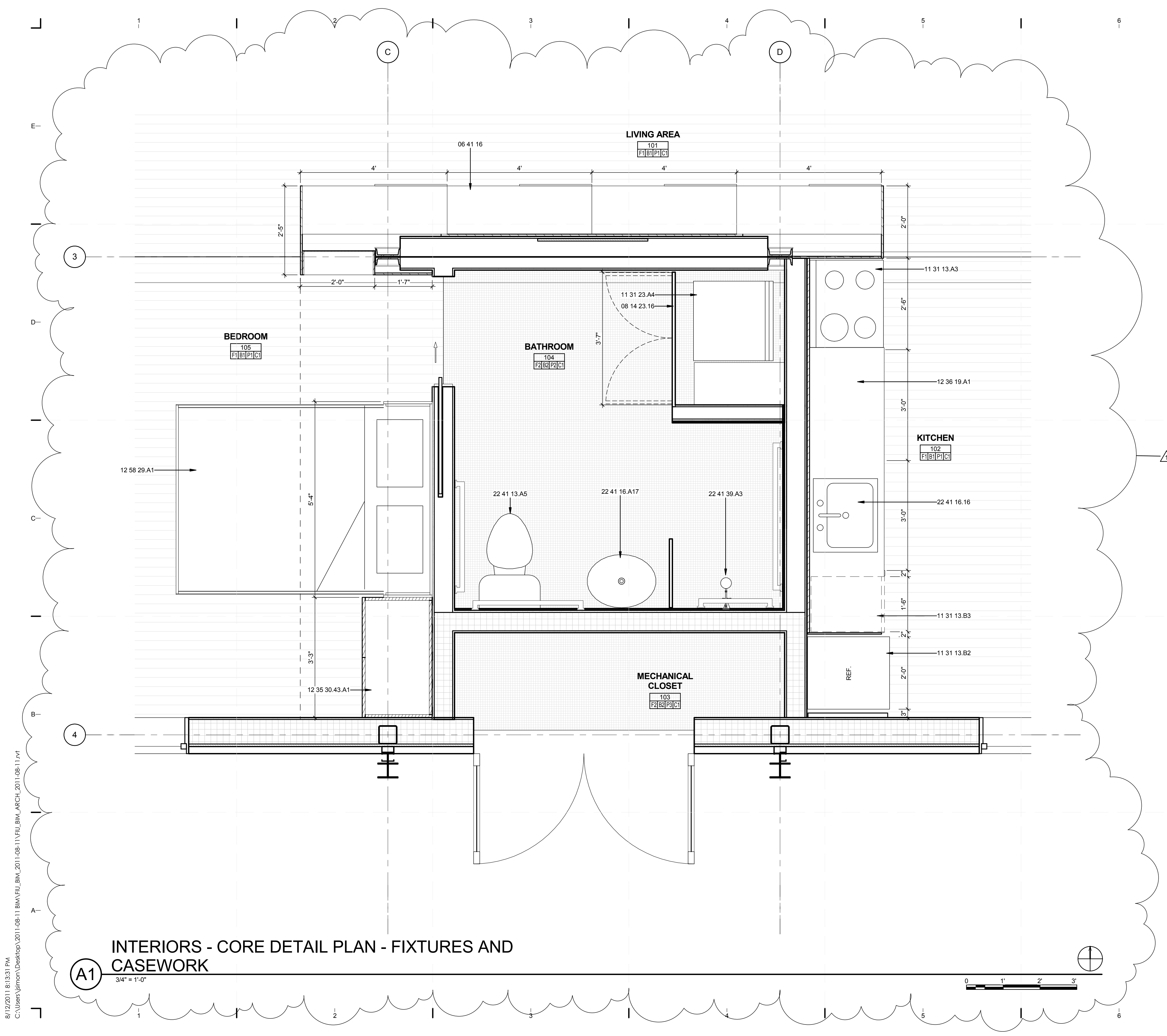
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SHEET TITLE
CORE FRAMING PLAN

SHEET NUMBER
I-101b

1A INTERIORS - WALL FRAMING PLAN
 3/4" = 1'-0"

8/12/2011 8:13:27 PM
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GENERAL SHEET NOTES

- 1. PLEASE SEE SHEET I-601 FOR PLUMBING AND APPLIANCE SCHEDULE

REFERENCE KEYNOTES

- 06 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
- 08 14 23.16 PLASTIC-LAMINATE FACED WOOD DOORS
- 11 31 13.A3 RANGE BY GENERAL ELECTRIC
- 11 31 13.B2 REFRIGERATOR BY SUMMIT
- 11 31 13.B3 DISHWASHER BY GENERAL ELECTRIC
- 11 31 23.A4 WASHER/DRYER COMBO BY LG
- 12 35 30.43.A1 DORMITORY CASEWORK BY IKEA
- 12 36 19.A1 WOOD COUNTERTOP BY IKEA
- 12 58 29.A1 MURPHY BED BY CREATE-A-BED
- 22 41 13.A5 WATER CLOSET BY PROFLO
- 22 41 16.16 SINK BY HOUZER
- 22 41 16.A17 WALL MOUNT SINK BY PROFLO
- 22 41 39.A3 SHOWER TRIM BY PROFLO



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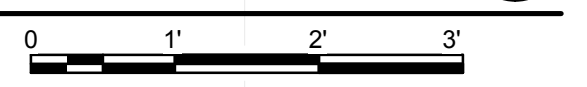
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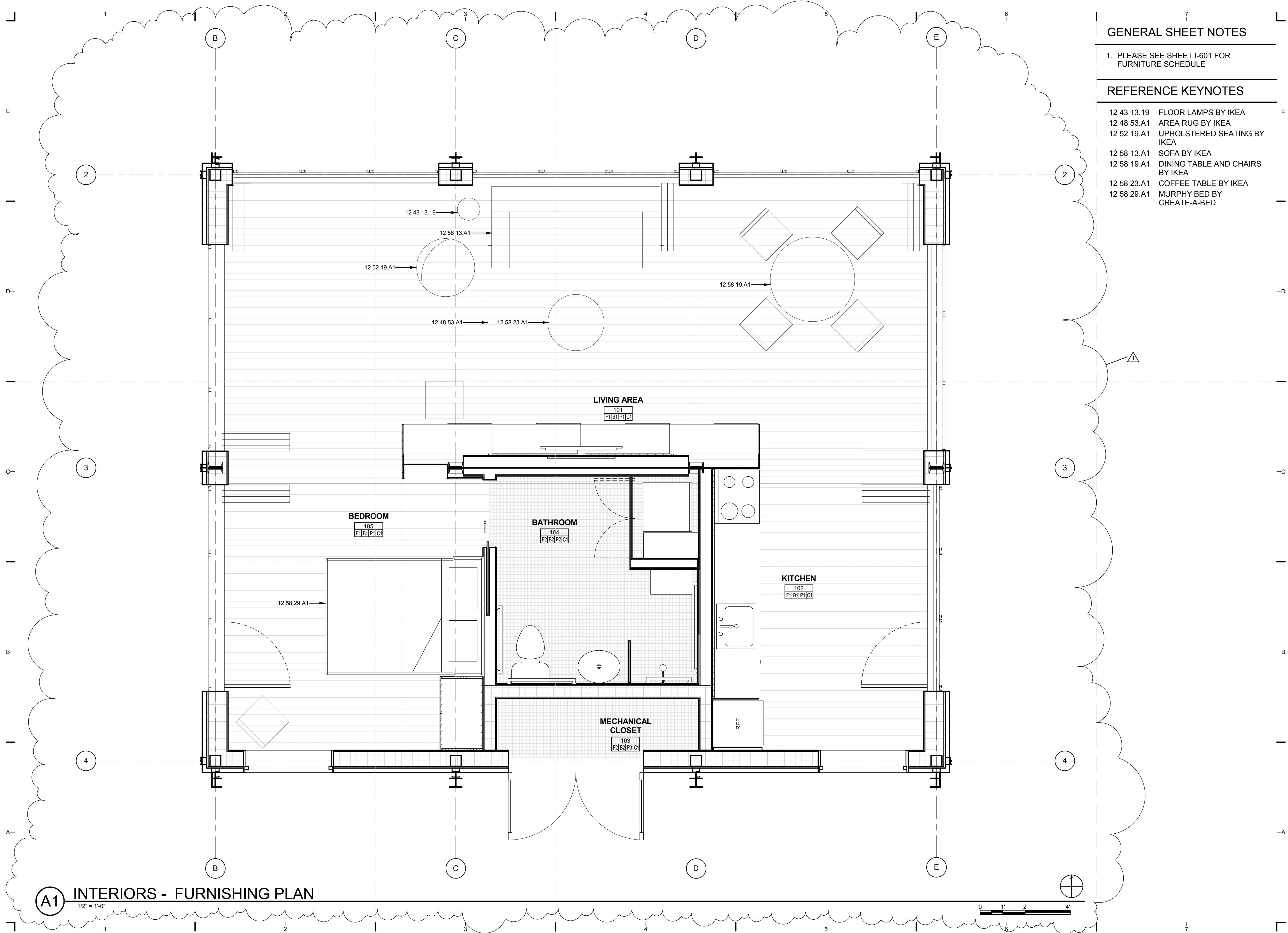
**INTERIOR DESIGN
 PLAN - FIXTURES
 AND CASEWORK**

SHEET NUMBER
I-102

8/12/2011 8:13:31 PM
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A1 INTERIORS - CORE DETAIL PLAN - FIXTURES AND CASEWORK
 3/4" = 1'-0"



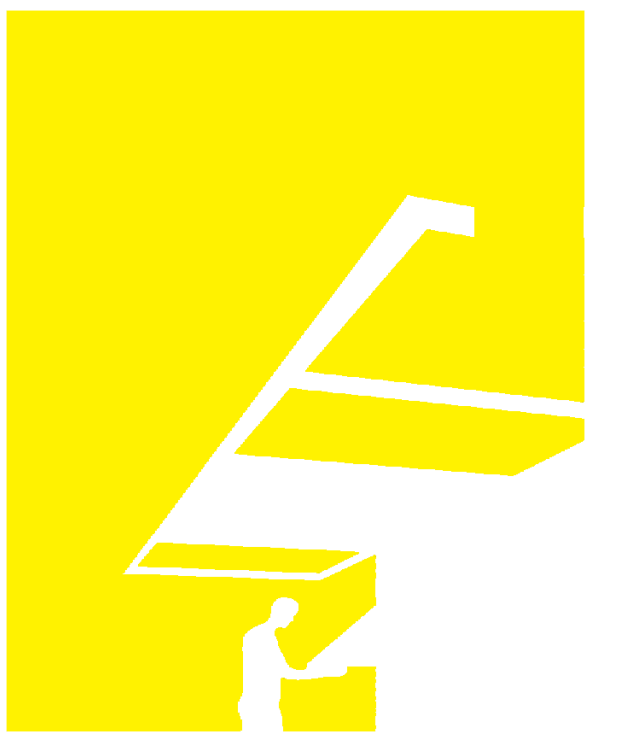


GENERAL SHEET NOTES

1. PLEASE SEE SHEET I-601 FOR FURNITURE SCHEDULE

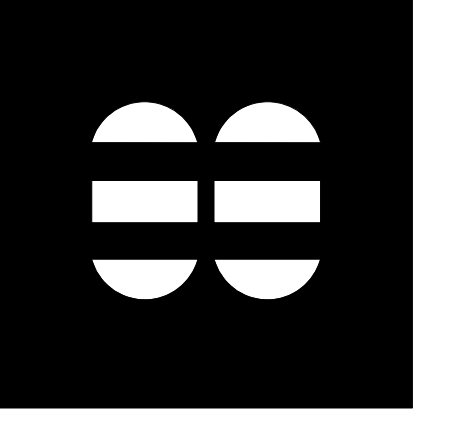
REFERENCE KEYNOTES

- 12 43 13.19 FLOOR LAMPS BY IKEA
- 12 48 53.A1 AREA RUG BY IKEA
- 12 52 19.A1 UPHOLSTERED SEATING BY IKEA
- 12 58 13.A1 SOFA BY IKEA
- 12 58 19.A1 DINING TABLE AND CHAIRS BY IKEA
- 12 58 23.A1 COFFEE TABLE BY IKEA
- 12 58 29.A1 MURPHY BED BY CREATE-A-BED



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ORIGINAL PUBLISH DATE: 2011-03-22
 SHEET INFORMATION
 LOT NUMBER: 206
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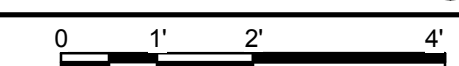
SHEET TITLE
INTERIOR FURNISHING PLAN

SHEET NUMBER
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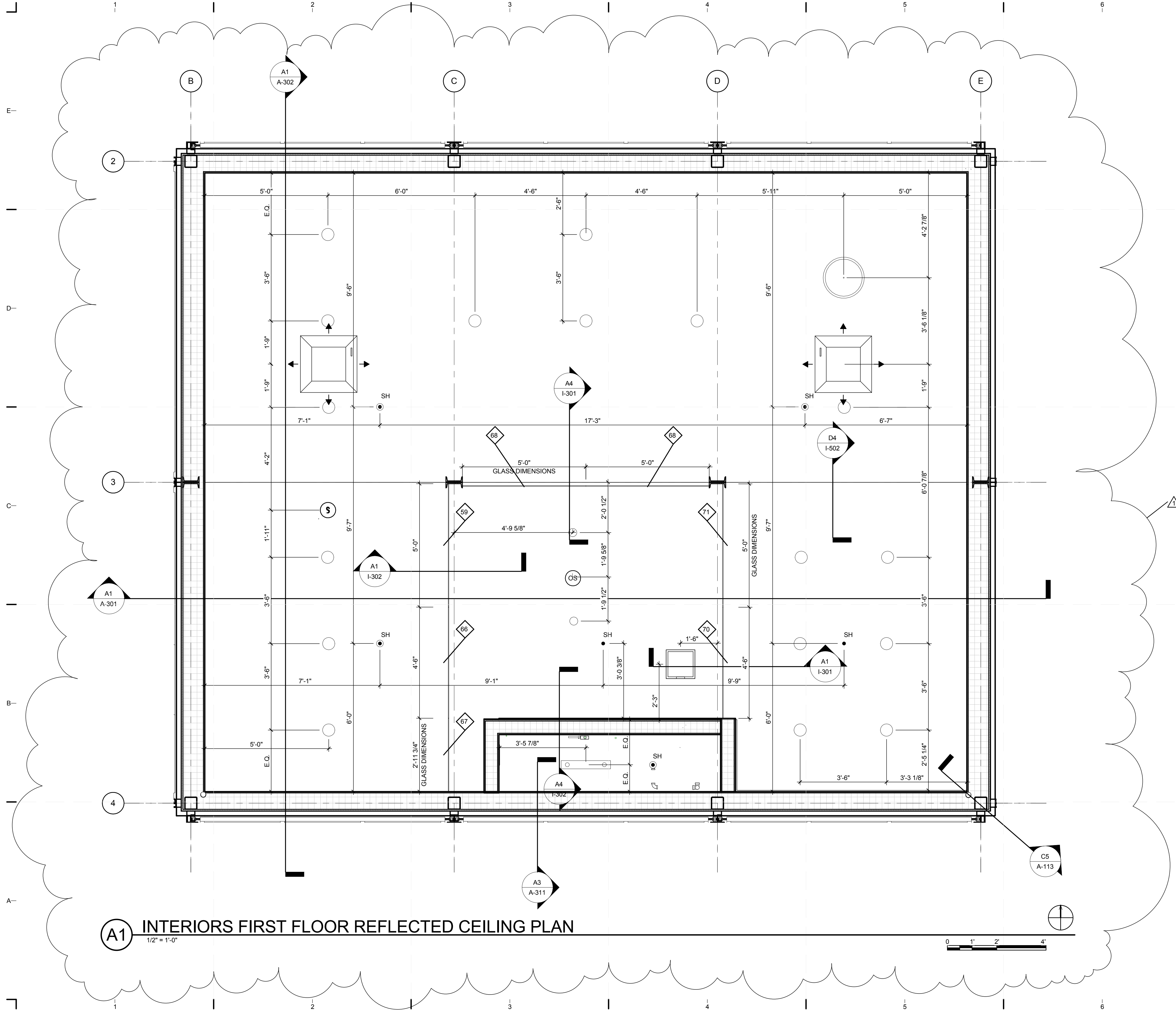
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A1 INTERIORS - FURNISHING PLAN

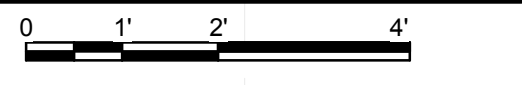
1/2" = 1'-0"



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(A1) INTERIORS FIRST FLOOR REFLECTED CEILING PLAN
 1/2" = 1'-0"



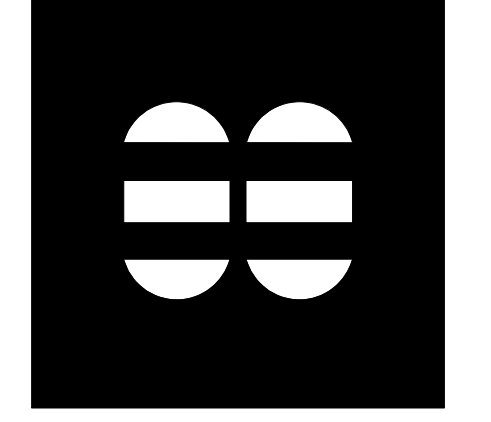
GENERAL SHEET NOTES

1. PLEASE SEE SHEET E-101 FOR LIGHT FIXTURE LOCATIONS
2. PLEASE REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
3. PLEASE SEE ENGINEERING DRAWINGS FOR HVAC AND LIGHTING SPECIFICATIONS



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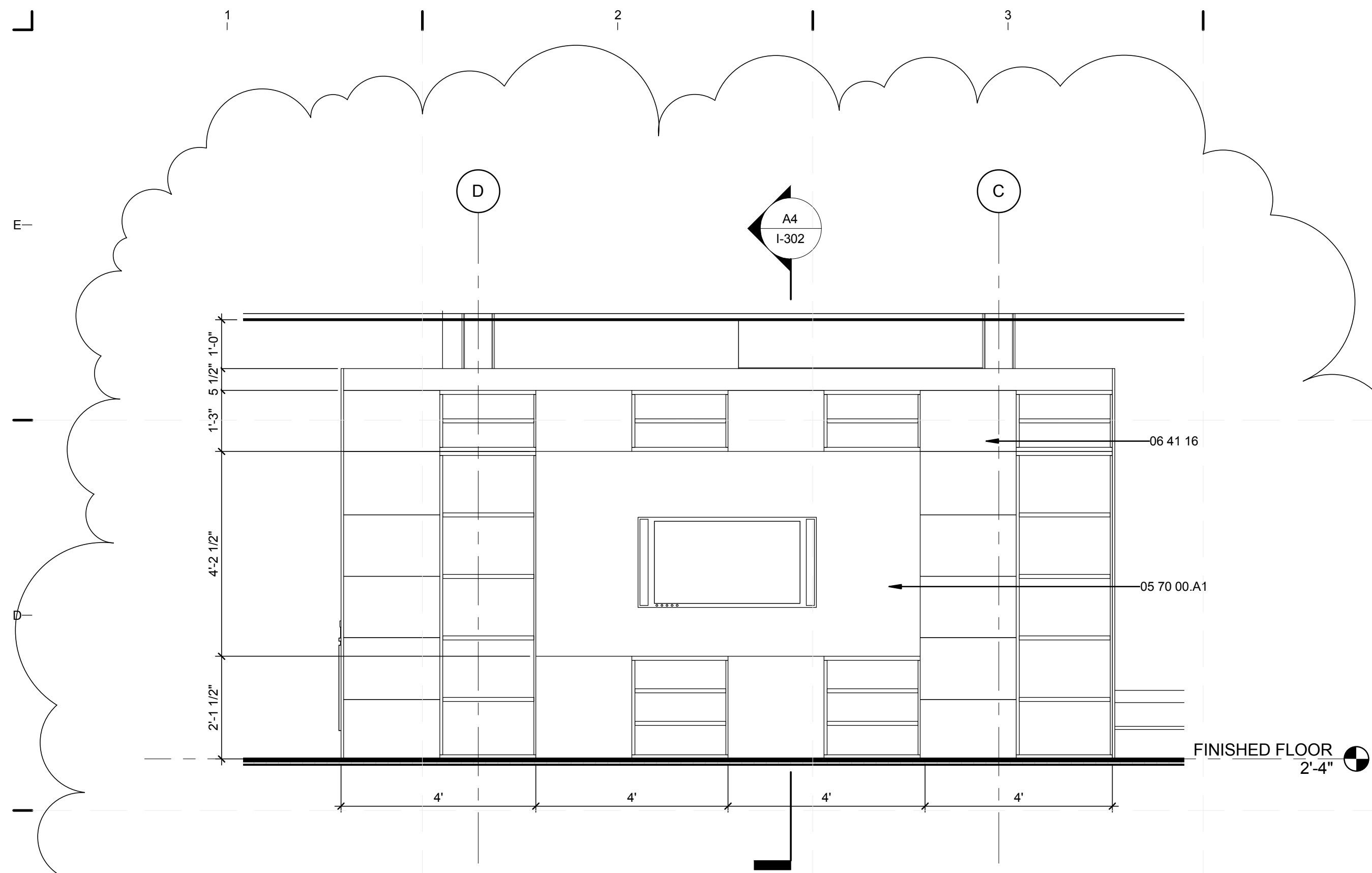
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LEGEND

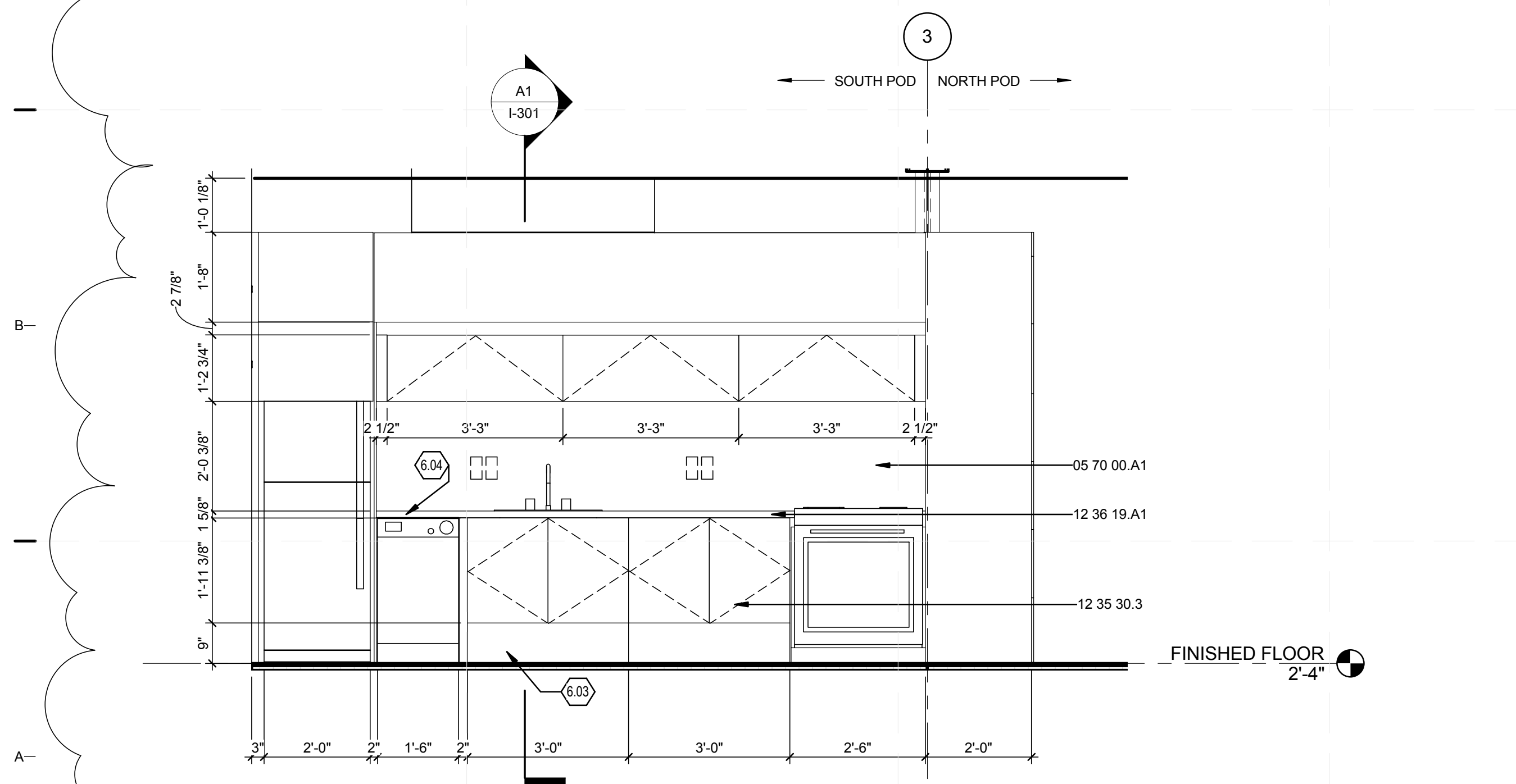
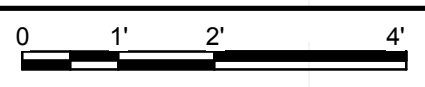
	SPRINKLERS
	AIR DIFFUSER
	SMOKE DETECTOR
	DOWNLIGHT
	PENDANT

**INTERIOR DESIGN
 REFLECTED
 CEILING PLAN**

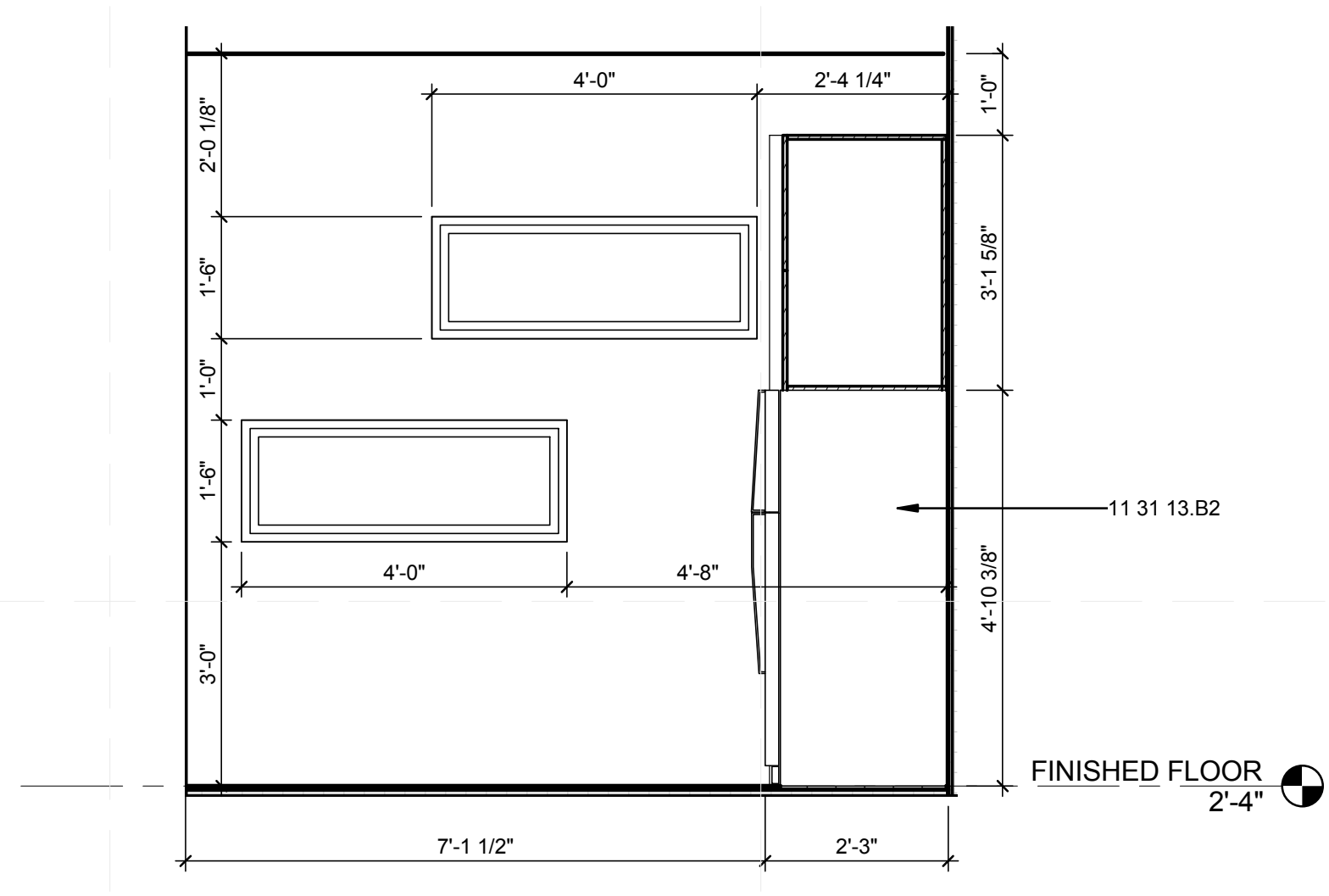
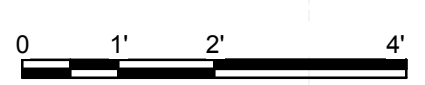
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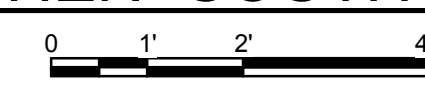
C1 INTERIOR ELEVATION LIVING ROOM-SOUTH
1/2" = 1'-0"



A1 INTERIOR ELEVATION KITCHEN- EAST
1/2" = 1'-0"



A4 INTERIOR ELEVATION KITCHEN- SOUTH
1/2" = 1'-0"



GENERAL SHEET NOTES

1. PLEASE SEE SHEET 1-301 FOR INTERIOR WALL SECTION

REFERENCE KEYNOTES

- 05 70 00.A1 DECORATIVE METAL BY WILSONART
- 06 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
- 11 31 13.B2 REFRIGERATOR BY SUMMIT
- 12 35 30.3 KITCHEN CASEWORK BY IKEA
- 12 36 19.A1 WOOD COUNTERTOP BY IKEA

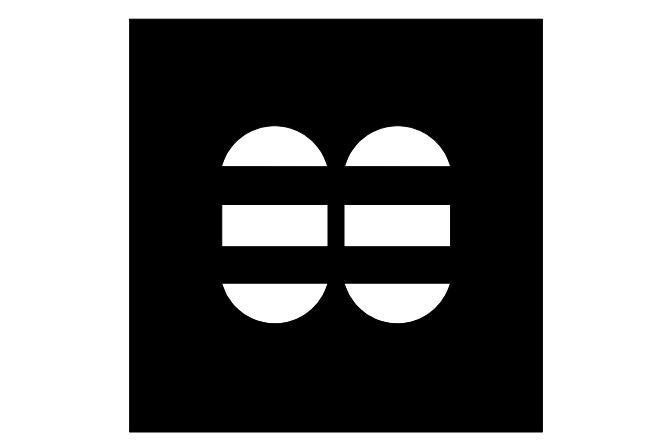
SHEET KEYNOTES

- 6.03 KITCHEN CABINETRY TOE KICK 0'-9" HIGH COMPLYING WITH ADA
- 6.04 KITCHEN COUNTER TOP AT 2'-10" HEIGHT FROM FINISHED FLOOR



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INTERIOR DESIGN ELEVATIONS

SHEET NUMBER
1-201

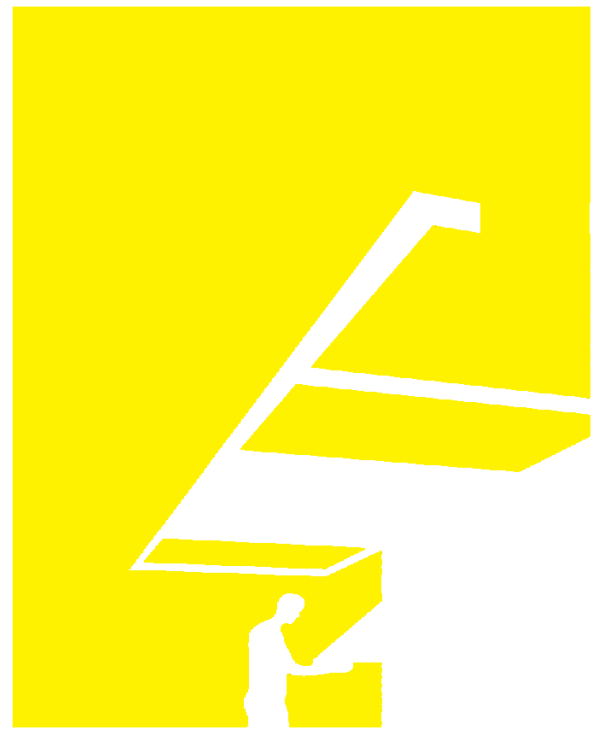
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GENERAL SHEET NOTES

1. PLEASE SEE SHEET I-302 FOR INTERIOR WALL SECTIONS.

REFERENCE KEYNOTES

- 06 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
- 08 14 73 SLIDING WOOD DOORS
- 12 35 DORMITORY CASEWORK BY IKEA
- 30.43.A1
- 12 58 29.A1 MURPHY BED BY CREATE-A-BED

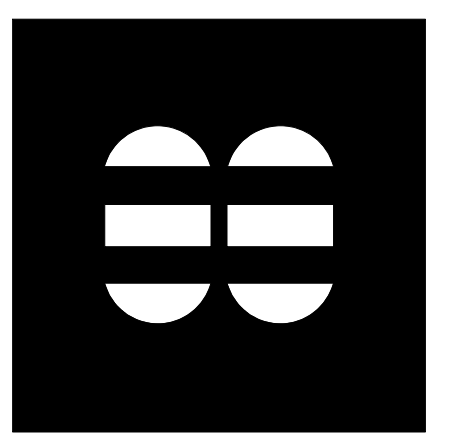


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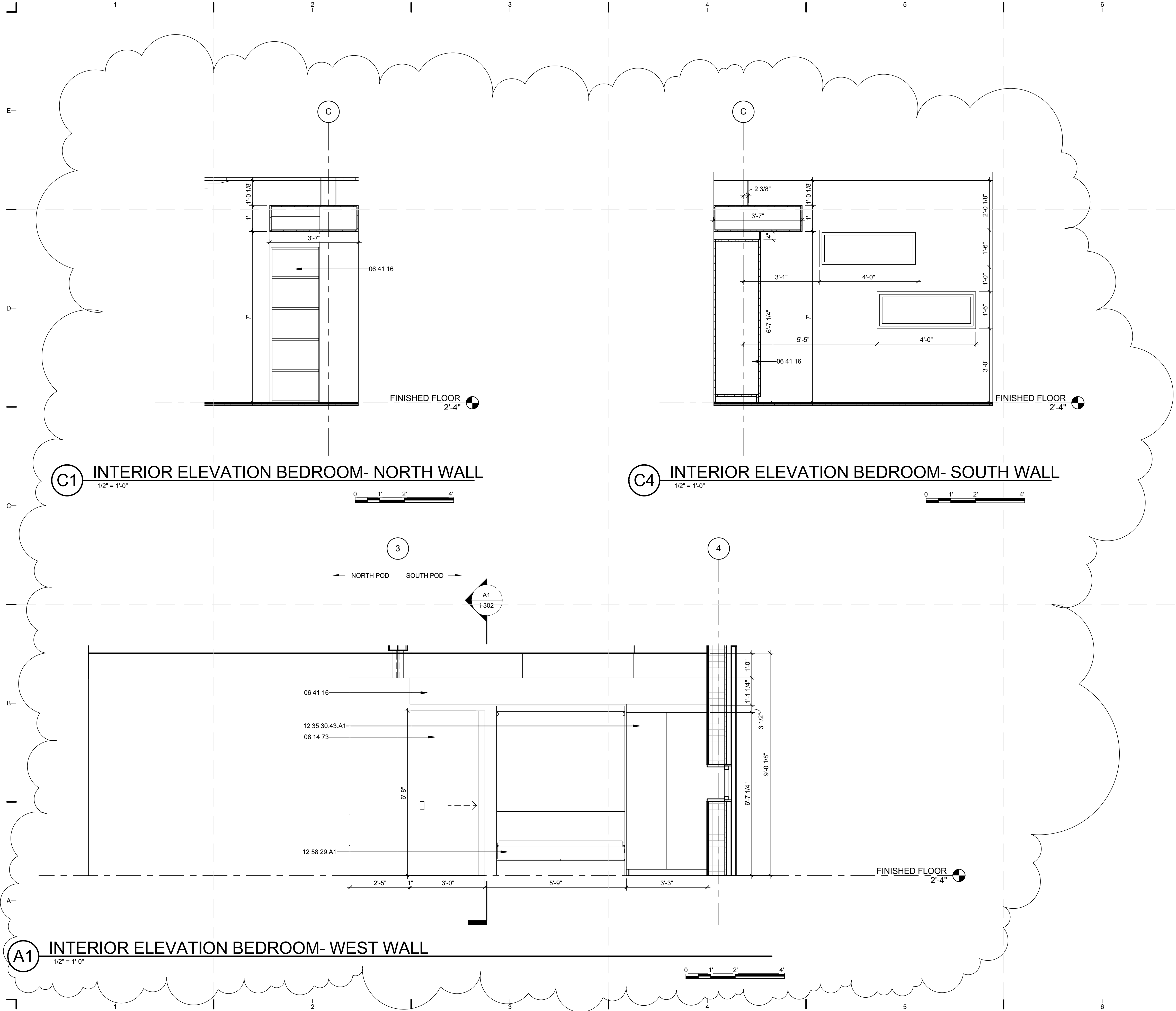
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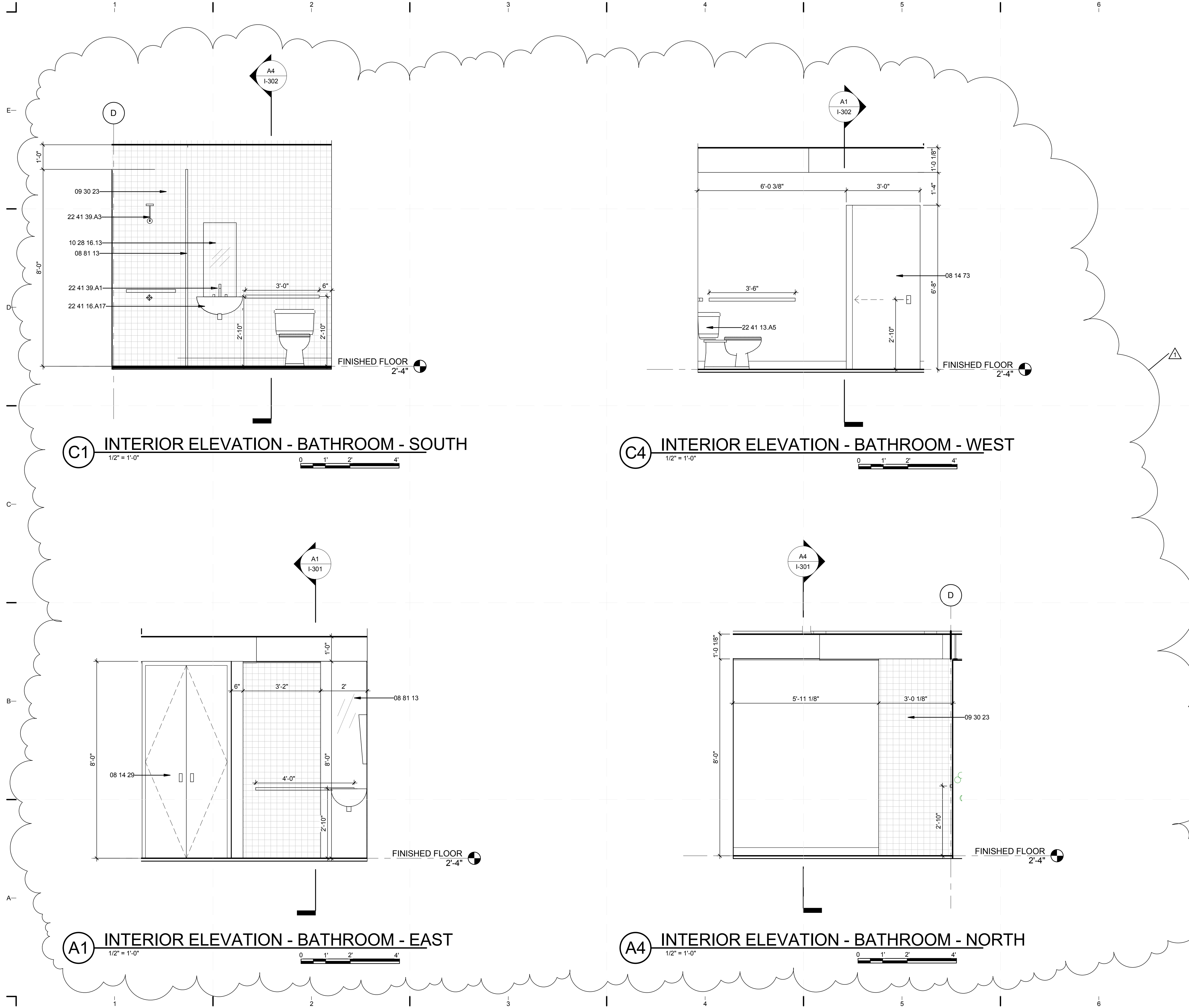
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SHEET NUMBER

I-202

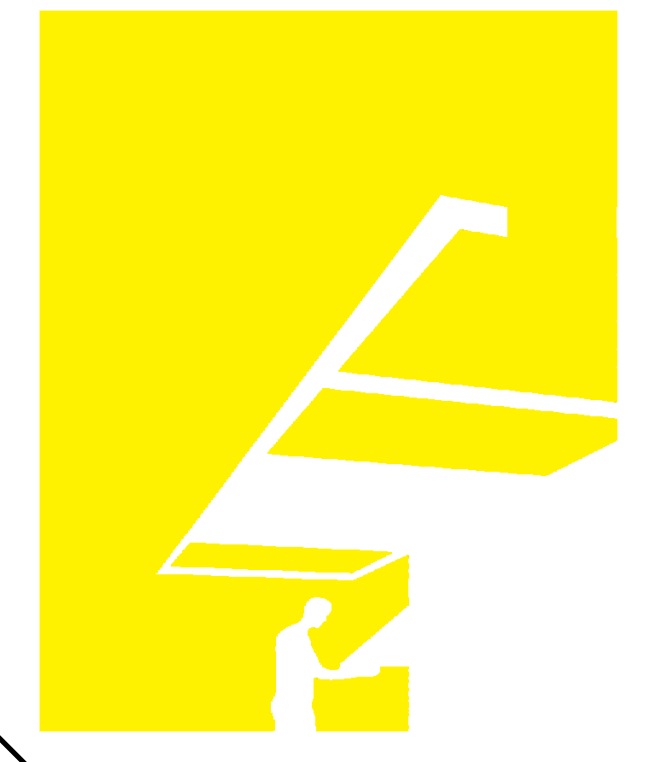


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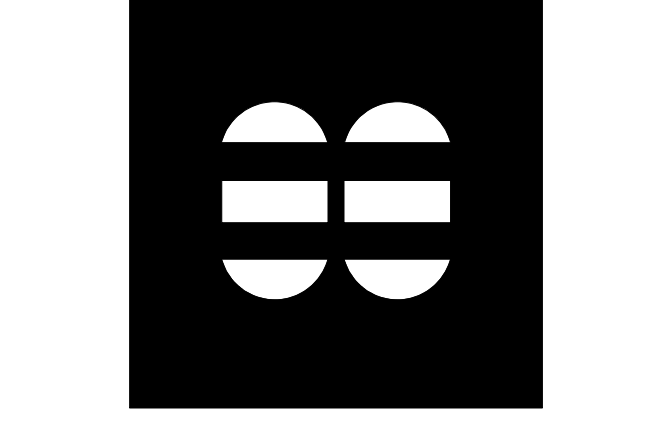
REFERENCE KEYNOTES

- 08 14 29 PREFINISHED WOOD DOORS
- 08 14 73 SLIDING WOOD DOORS
- 08 81 13 DECORATIVE GLASS GLAZING
- 09 30 23 MOSAIC TILING
- 10 28 16.13 RESIDENTIAL BATH ACCESSORIES
- 22 41 13.A5 WATER CLOSET BY PROFLO
- 22 41 16.A17 WALL MOUNT SINK BY PROFLO
- 22 41 39.A1 LAVATORY FAUCET BY PEGASUS
- 22 41 39.A3 SHOWER TRIM BY PROFLO



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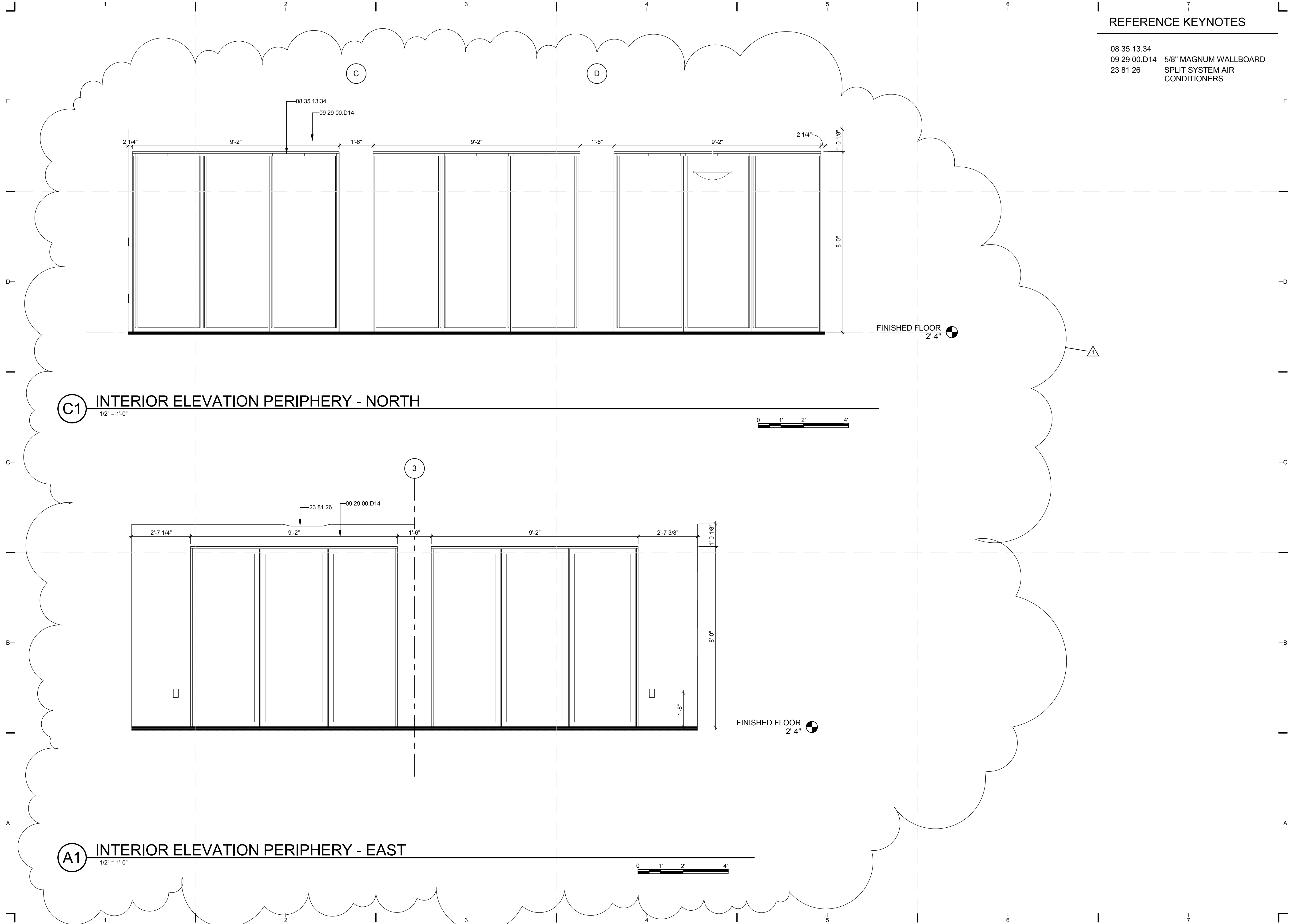
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SHEET TITLE
INTERIOR DESIGN ELEVATIONS

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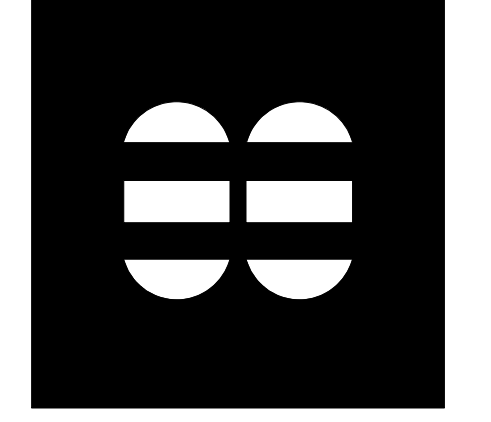
REFERENCE KEYNOTES

08 35 13.34
 09 29 00.D14 5/8" MAGNUM WALLBOARD
 23 81 26 SPLIT SYSTEM AIR
 CONDITIONERS



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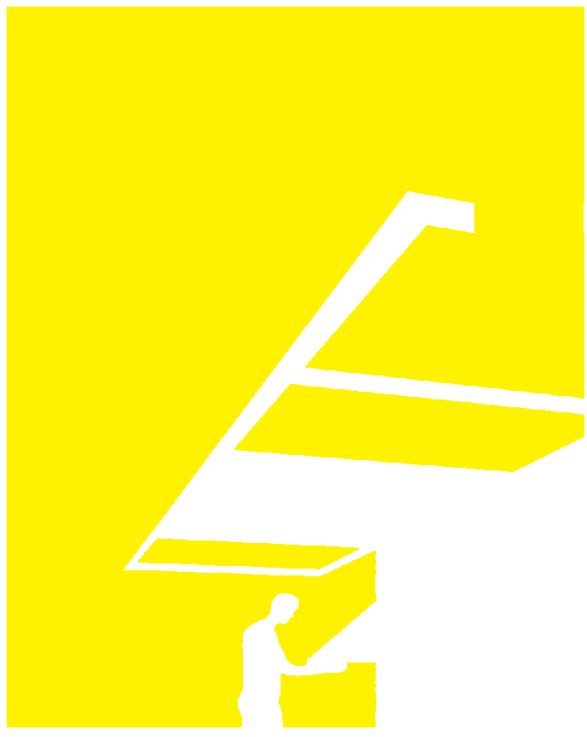
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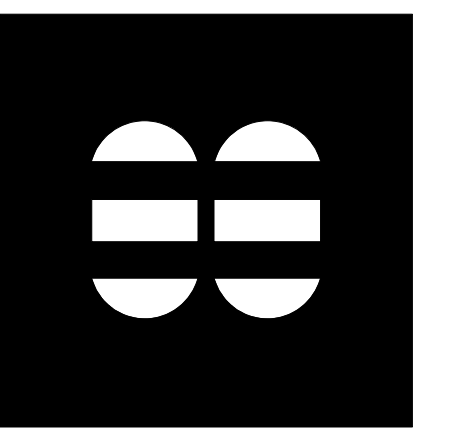
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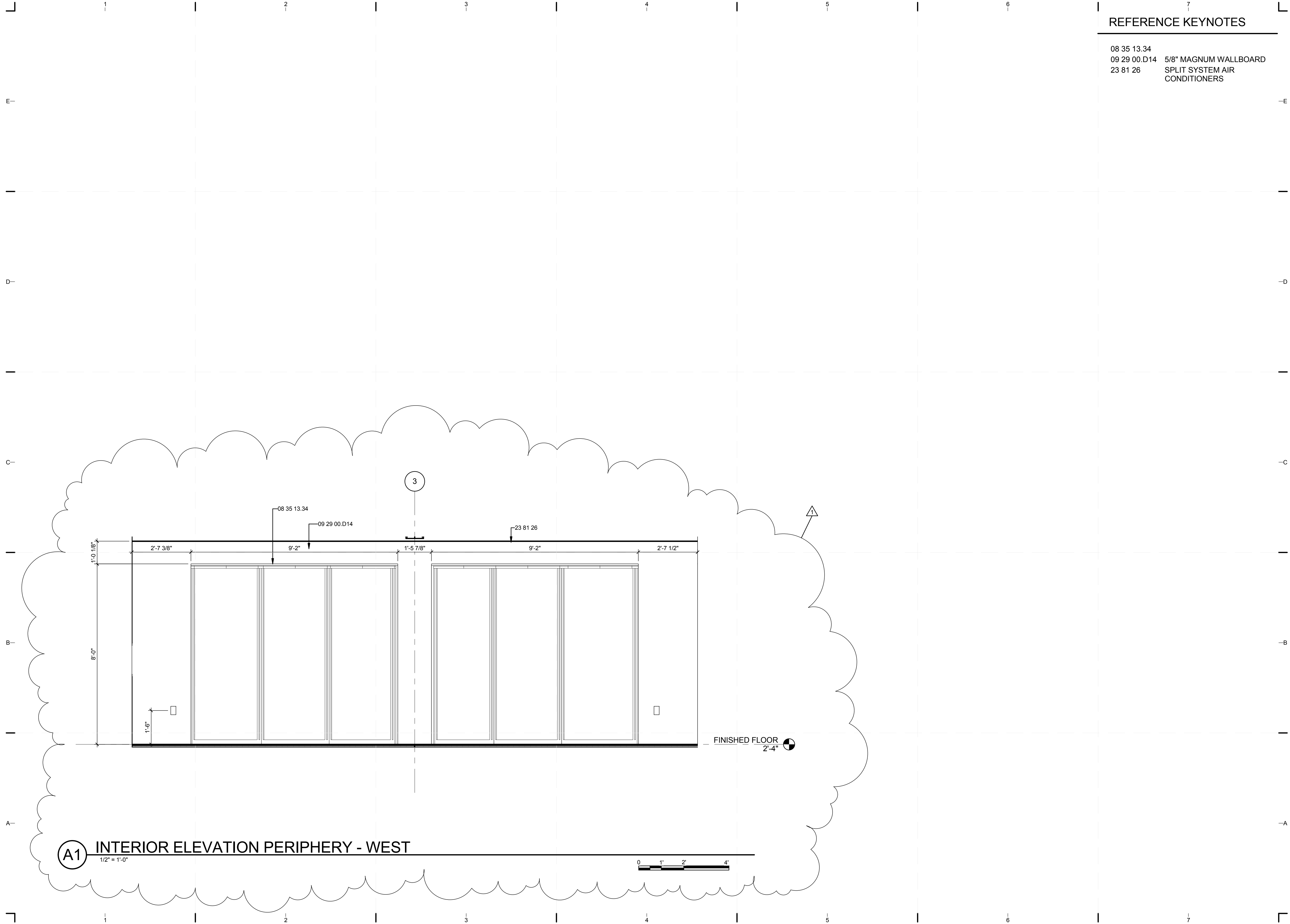
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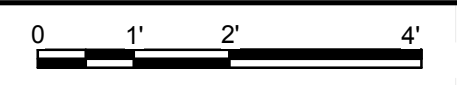
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SHEET TITLE
**INTERIOR DESIGN
 ELEVATIONS**

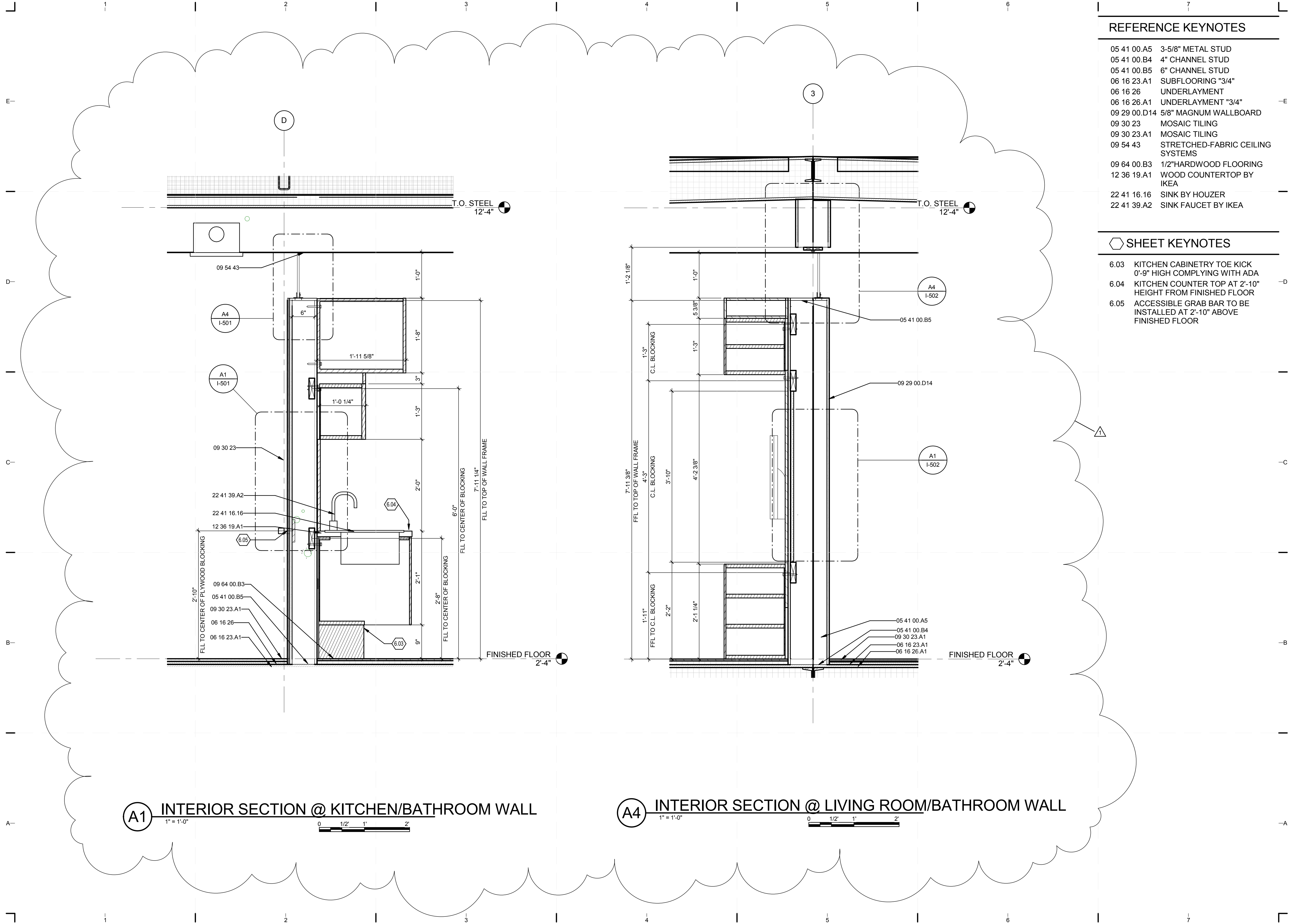
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1-205



(A1) INTERIOR ELEVATION PERIPHERY - WEST
 1/2" = 1'-0"



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REFERENCE KEYNOTES

- 05 41 00.A5 3-5/8" METAL STUD
- 05 41 00.B4 4" CHANNEL STUD
- 05 41 00.B5 6" CHANNEL STUD
- 06 16 23.A1 SUBFLOORING "3/4"
- 06 16 26 UNDERLAYMENT
- 06 16 26.A1 UNDERLAYMENT "3/4"
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 30 23 MOSAIC TILING
- 09 30 23.A1 MOSAIC TILING
- 09 54 43 STRETCHED-FABRIC CEILING SYSTEMS
- 09 64 00.B3 1/2"HARDWOOD FLOORING
- 12 36 19.A1 WOOD COUNTERTOP BY IKEA
- 22 41 16.16 SINK BY HOUZER
- 22 41 39.A2 SINK FAUCET BY IKEA

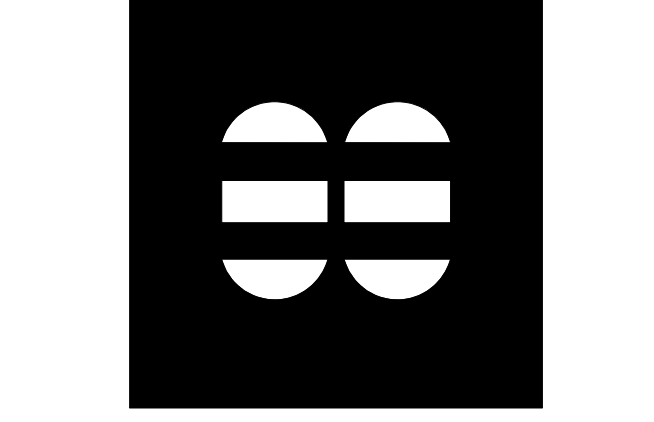
SHEET KEYNOTES

- 6.03 KITCHEN CABINERY TOE KICK 0'-9" HIGH COMPLYING WITH ADA
- 6.04 KITCHEN COUNTER TOP AT 2'-10" HEIGHT FROM FINISHED FLOOR
- 6.05 ACCESSIBLE GRAB BAR TO BE INSTALLED AT 2'-10" ABOVE FINISHED FLOOR



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MARK	DATE	DESCRIPTION
1	2011-06-27	FIU PERMIT

ORIGINAL PUBLISH DATE: 2011-03-22
 SHEET INFORMATION
 LOT NUMBER: 206
 DRAWN BY: Author
 CHECKED BY: Checker
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SHEET TITLE
INTERIOR SECTIONS
 SHEET NUMBER
I-301

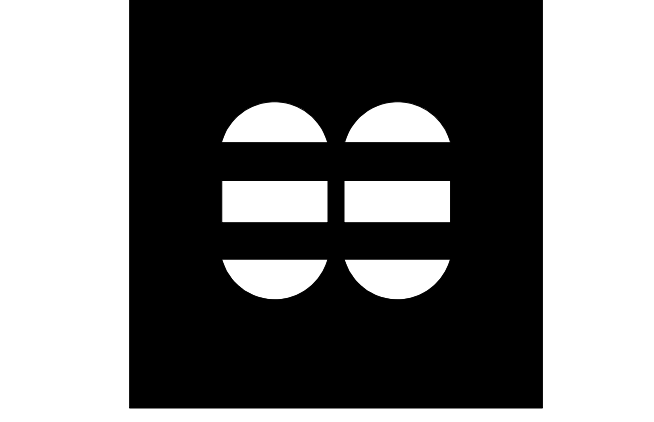
REFERENCE KEYNOTES

- 05 41 00.B5 6" CHANNEL STUD
- 06 16 23 SUBFLOORING
- 06 16 26 UNDERLAYMENT
- 06 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
- 08 14 73 SLIDING WOOD DOORS
- 08 52 00 WOOD FRAMED WINDOWS
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 30 00 TILING
- 09 30 23 MOSAIC TILING
- 09 54 43 STRETCHED-FABRIC CEILING SYSTEMS
- 09 64 00.B3 1/2"HARDWOOD FLOORING
- 22 41 16.A17 WALL MOUNT SINK BY PROFLO



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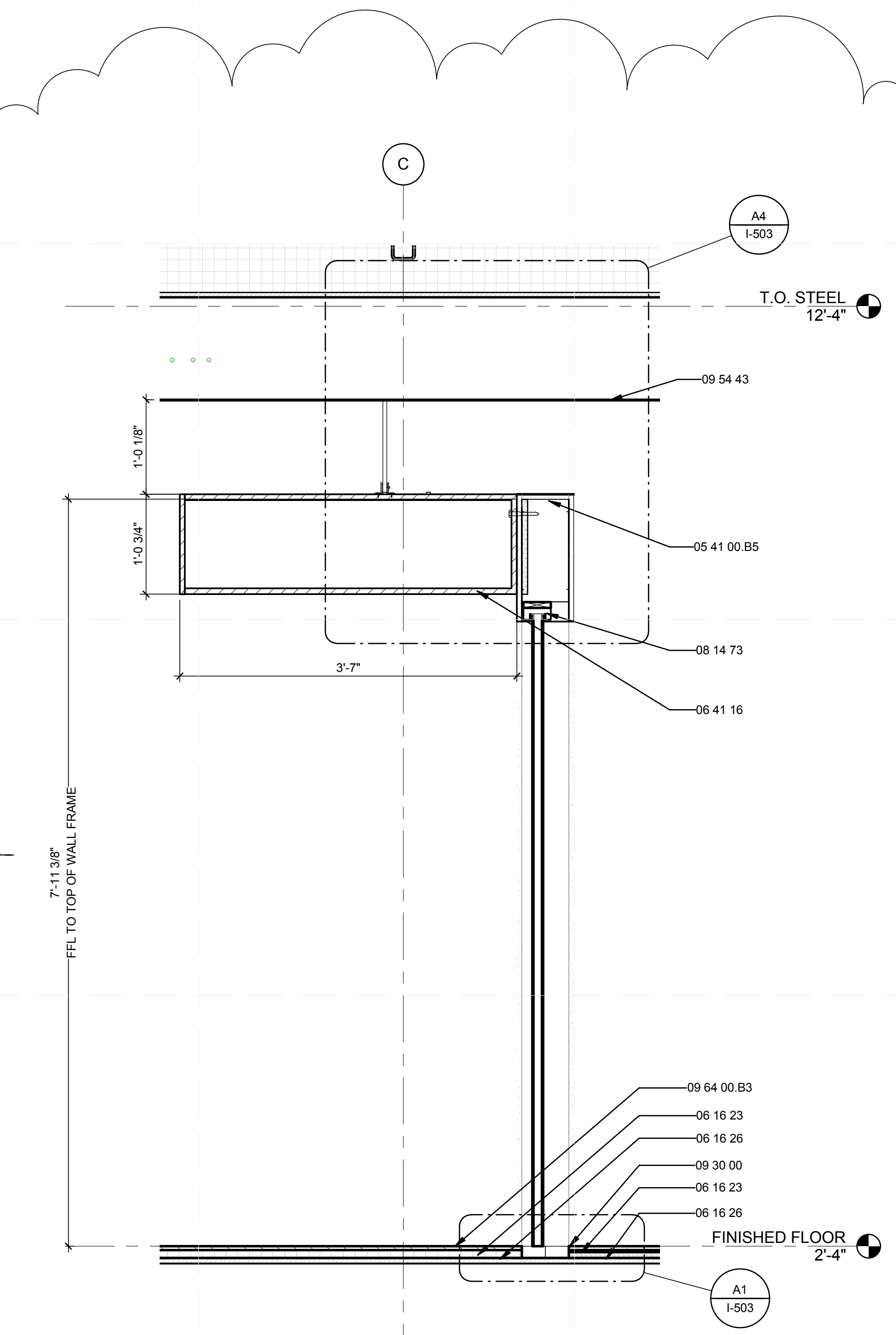
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MARK	DATE	DESCRIPTION
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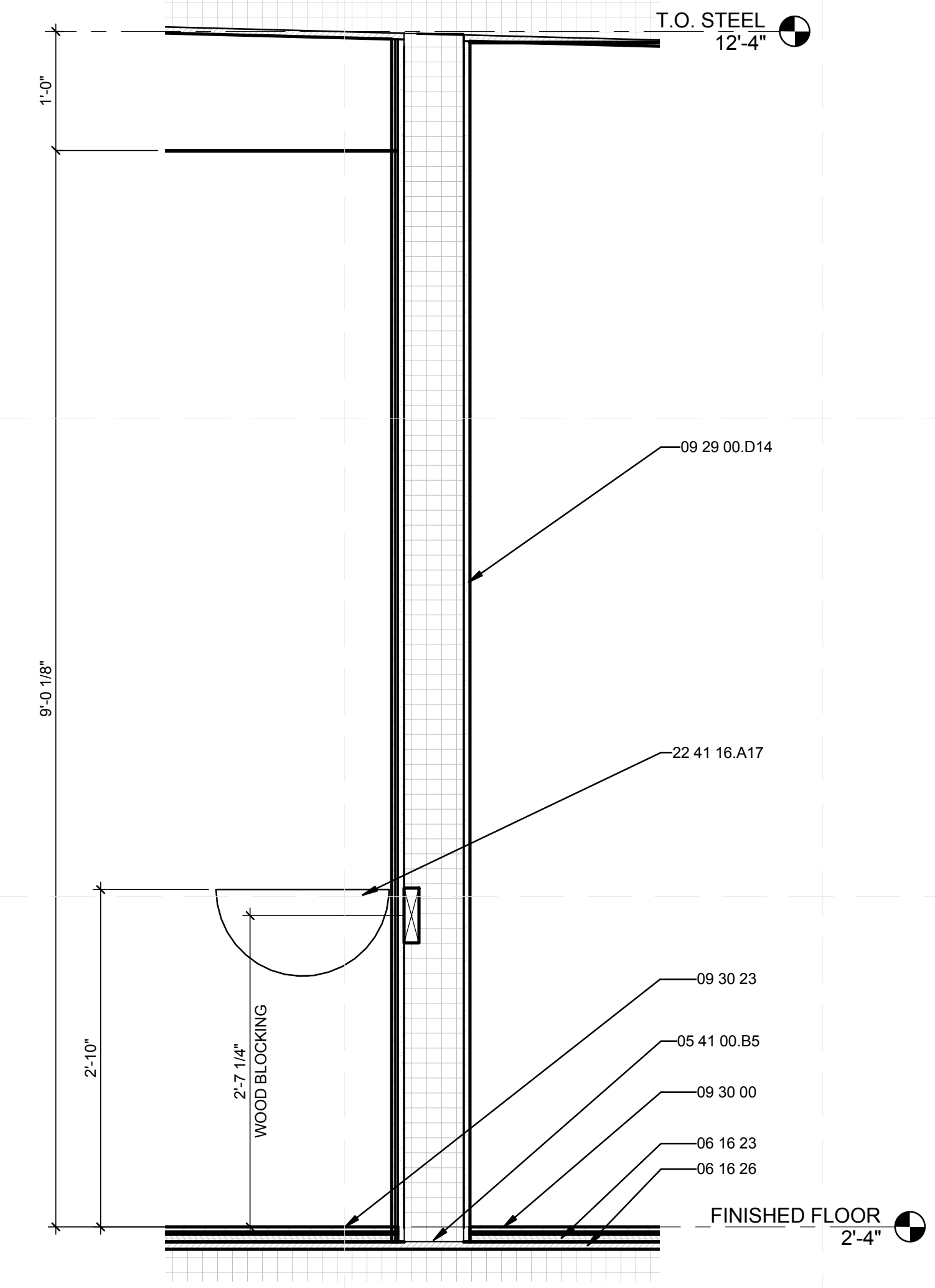
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 SHEET INFORMATION
 LOT NUMBER: 206
 DRAWN BY: C.ROMERO
 CHECKED BY: Checker
 COPYRIGHT: NONE: PROJECT IS PUBLIC DOMAIN

SHEET TITLE
INTERIOR SECTIONS

SHEET NUMBER
I-302



A1 INTERIOR SECTION @ BEDROOM/BATHROOM WALL
 1" = 1'-0"



A4 INTERIOR SECTION @ BATHROOM/MECH ROOM WALL
 1" = 1'-0"

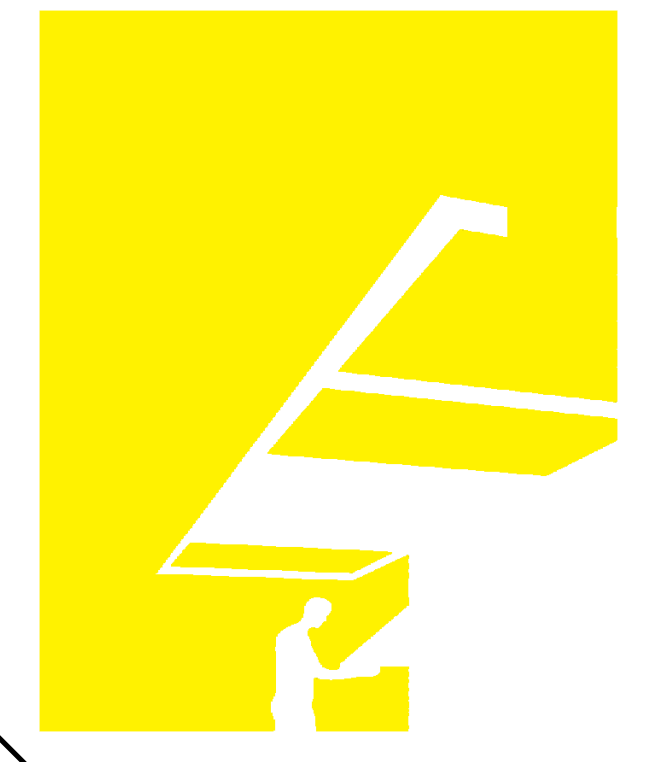
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REFERENCE KEYNOTES

- 05 41 00.B5 6" CHANNEL STUD
- 05 70 00.A1 DECORATIVE METAL BY WILSONART
- 06 11 00.G1 2X8
- 06 16 00.D11 3/4" PLYWOOD
- 06 41 13 WOOD-VENEER-FACED ARCHITECTURAL CABINETS
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 30 23 MOSAIC TILING
- 09 30 23.A1 MOSAIC TILING
- 12 36 19.A1 WOOD COUNTERTOP BY IKEA
- 22 41 39.A2 SINK FAUCET BY IKEA

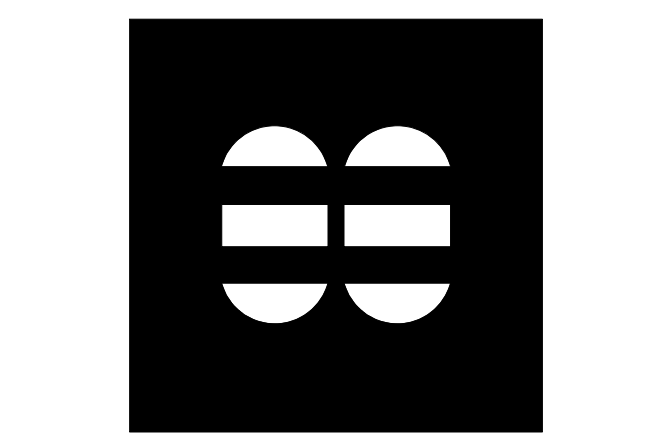
SHEET KEYNOTES

- 6.05 ACCESSIBLE GRAB BAR TO BE INSTALLED AT 2'-10" ABOVE FINISHED FLOOR
- 6.10 MOSAIC TILE INSTALLATION TO START FROM FLOOR TO TOP OF INTERIOR WALL PARTITION



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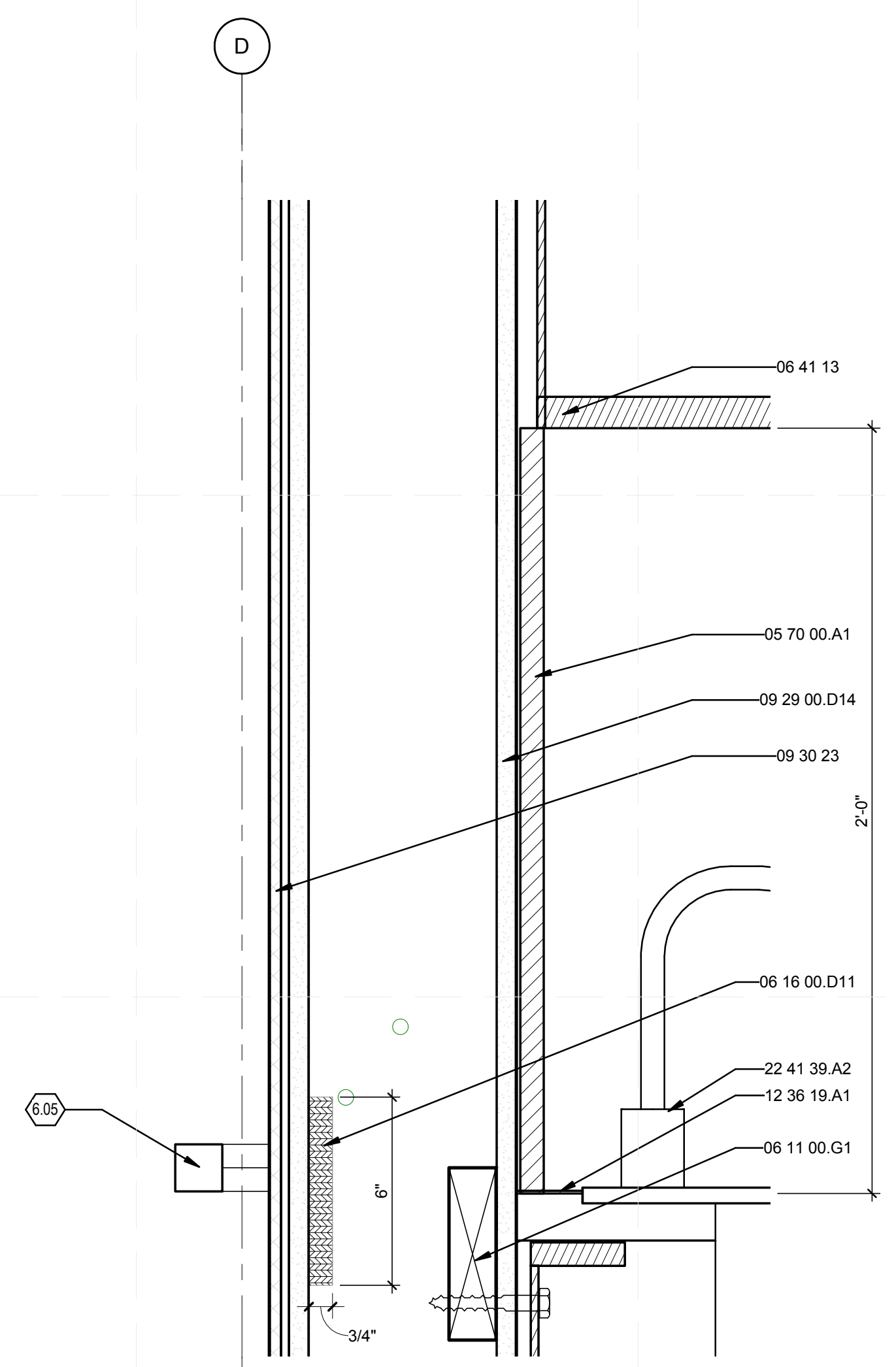


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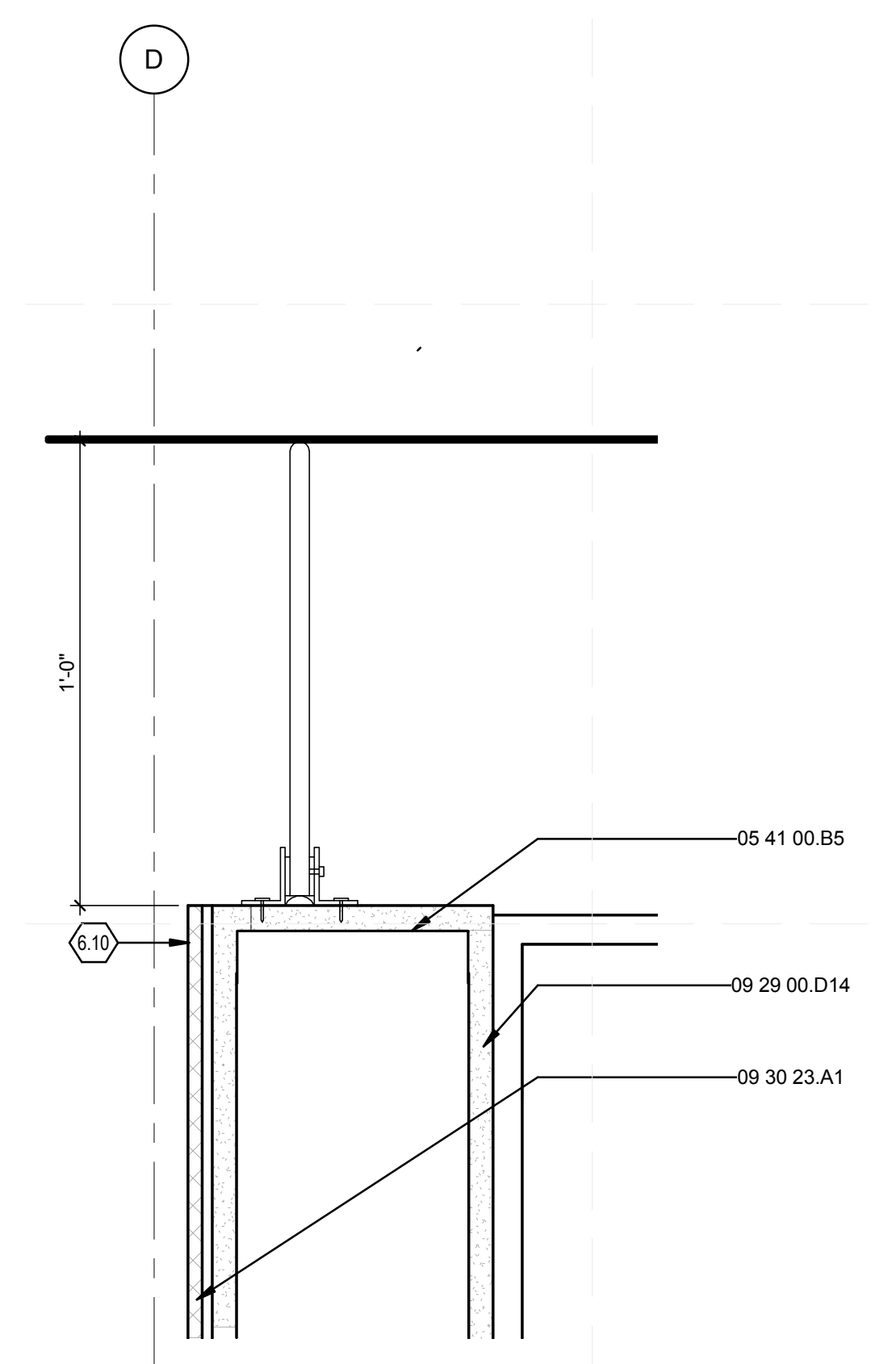
ORIGINAL PUBLISH DATE: 2011-03-22
 SHEET INFORMATION
 LOT NUMBER: 206
 DRAWN BY: C. RODRIGUEZ
 CHECKED BY: Checker
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SHEET TITLE
INTERIORS DESIGN DETAILS

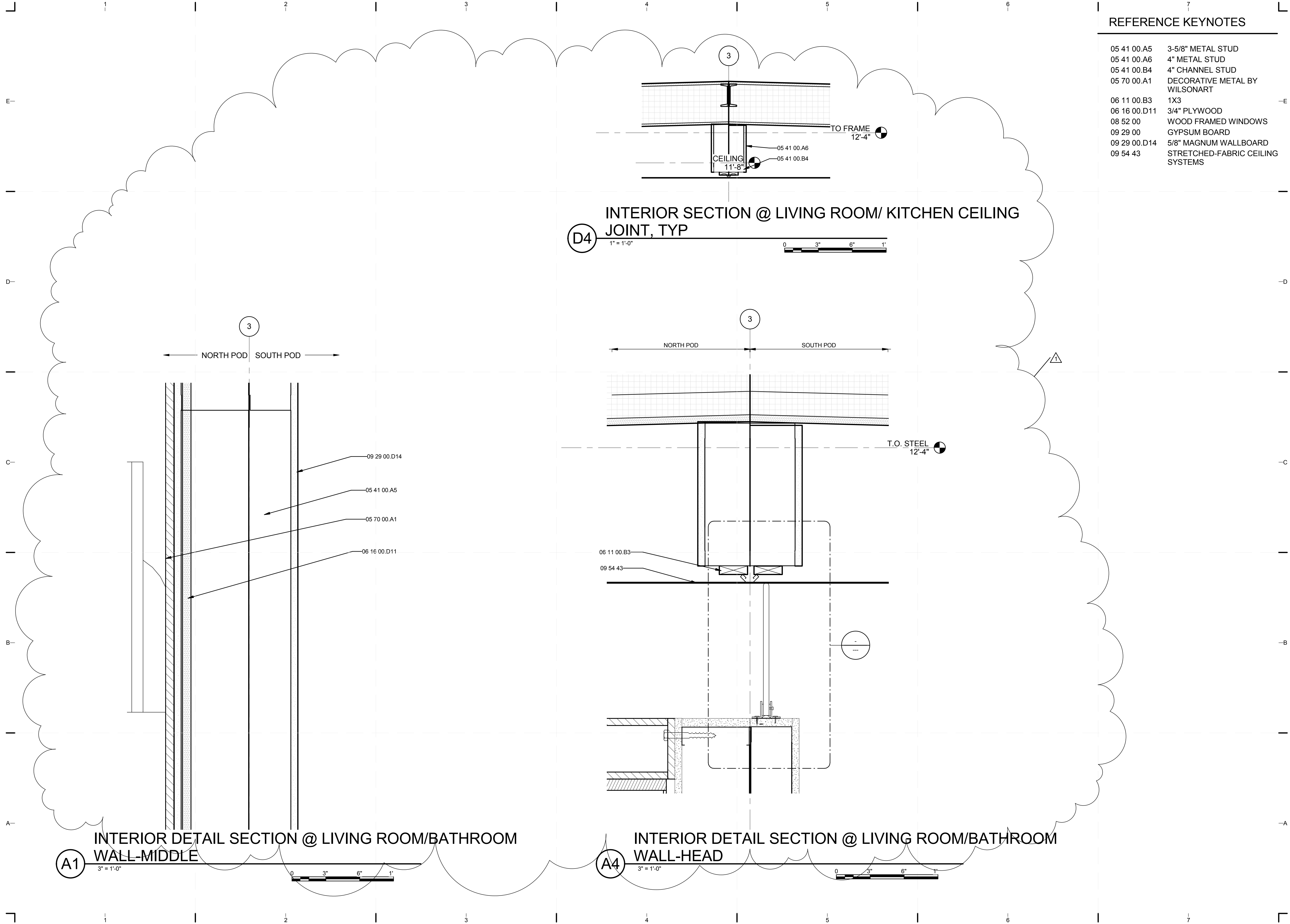
SHEET NUMBER
1-501



A1 INTERIOR DETAIL SECTION @ KITCHEN/BATHROOM WALL-MIDDLE
 3" = 1'-0"
 0 3" 6" 1'

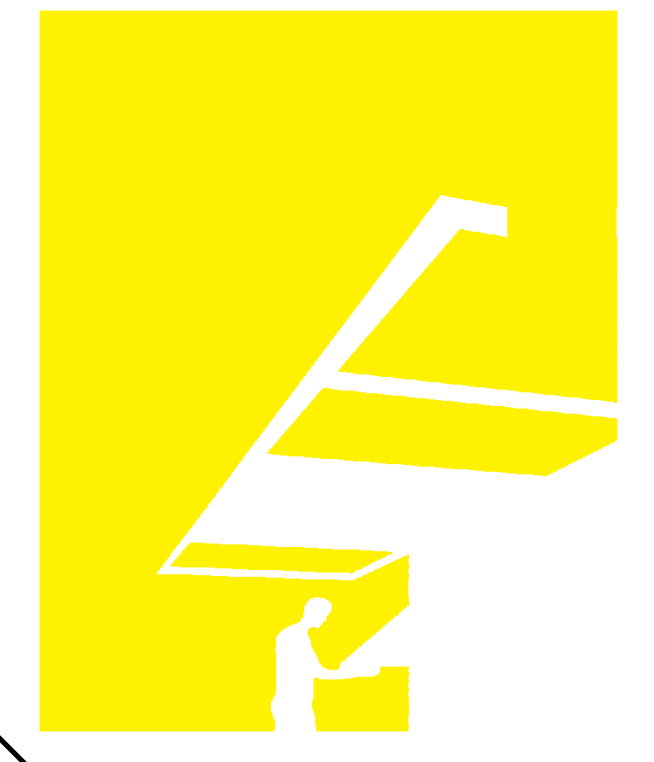


A4 INTERIOR DETAIL SECTION @ KITCHEN/BATHROOM WALL-HEAD
 3" = 1'-0"
 0 3" 6" 1'



REFERENCE KEYNOTES

- 05 41 00.A5 3-5/8" METAL STUD
- 05 41 00.A6 4" METAL STUD
- 05 41 00.B4 4" CHANNEL STUD
- 05 70 00.A1 DECORATIVE METAL BY WILSONART
- 06 11 00.B3 1X3
- 06 16 00.D11 3/4" PLYWOOD
- 08 52 00 WOOD FRAMED WINDOWS
- 09 29 00 GYPSUM BOARD
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 54 43 STRETCHED-FABRIC CEILING SYSTEMS



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 SHEET INFORMATION
 LOT NUMBER: 206
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INTERIOR DESIGN DETAILS

SHEET NUMBER
I-502

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REFERENCE KEYNOTES

05 41 00.B5	6" CHANNEL STUD
06 11 00.B3	1X3
06 16 23	SUBFLOORING
06 16 26	UNDERLAYMENT
06 41 16	PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
08 52 00	WOOD FRAMED WINDOWS
09 30 00	TILING



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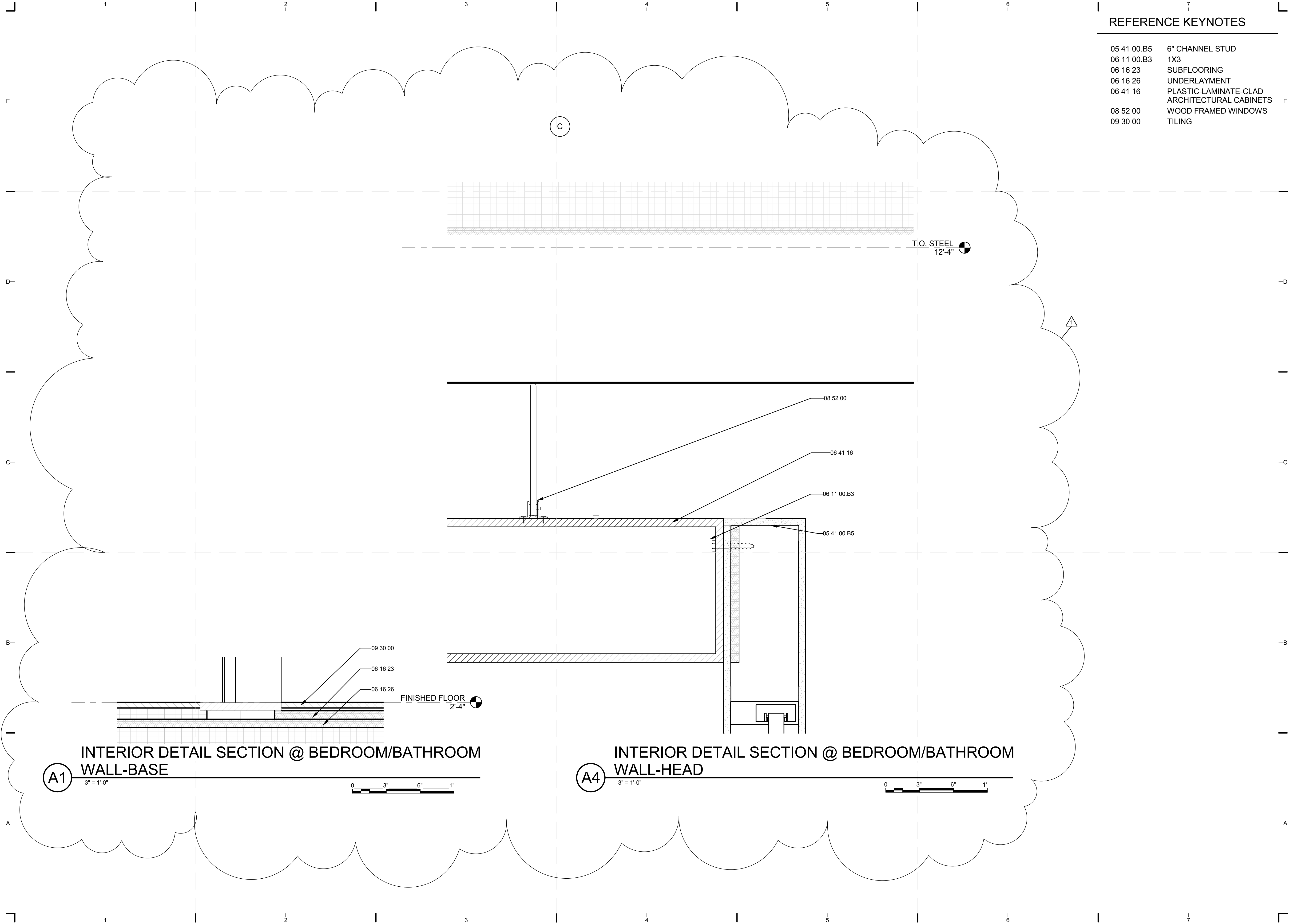
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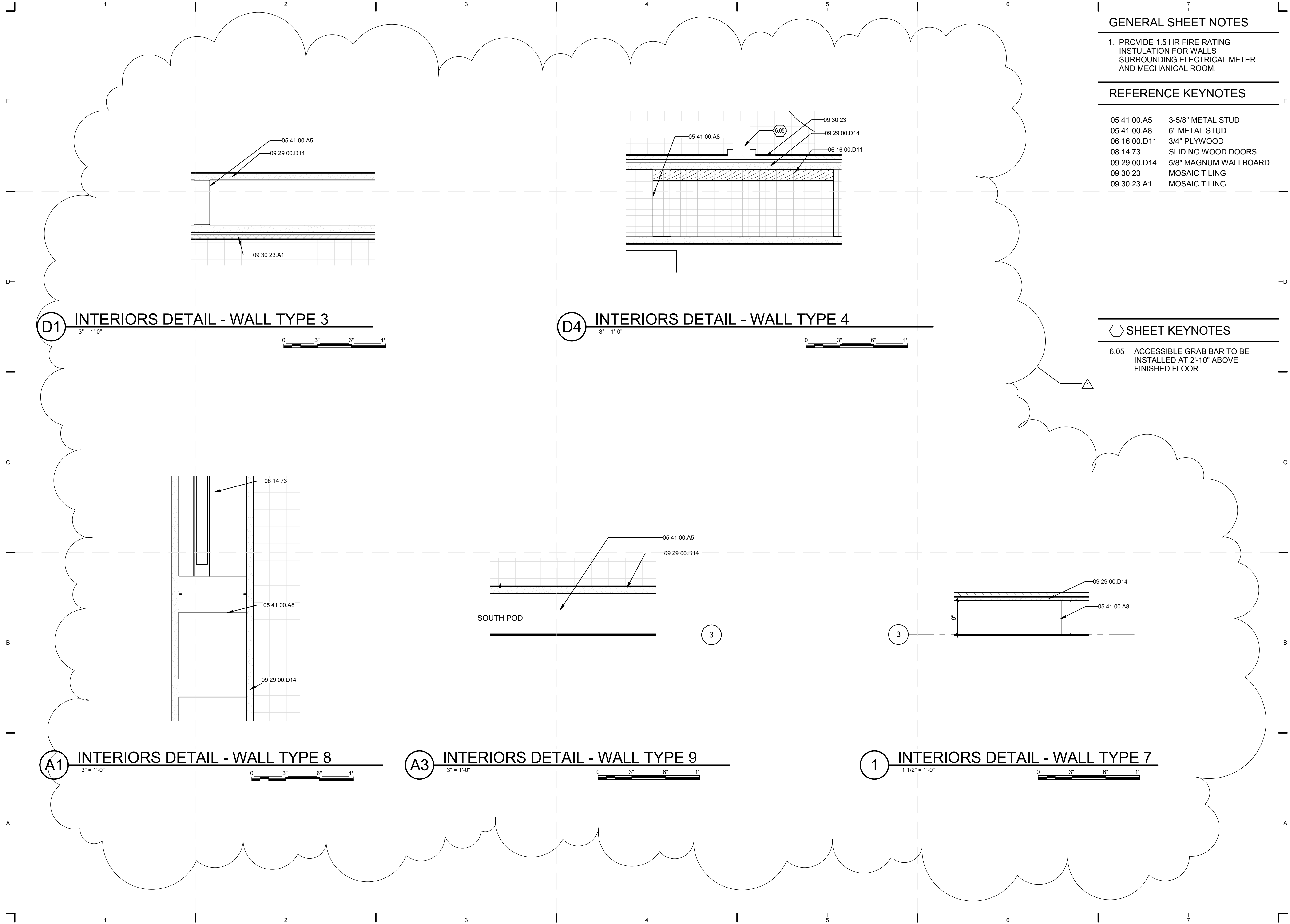
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 LOT NUMBER: 206
 DRAWN BY: C. ROMERO
 CHECKED BY: Checker
 COPYRIGHT: NONE: PROJECT IS PUBLIC DOMAIN

SHEET TITLE
INTERIOR DESIGN DETAILS

SHEET NUMBER
I-503



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GENERAL SHEET NOTES

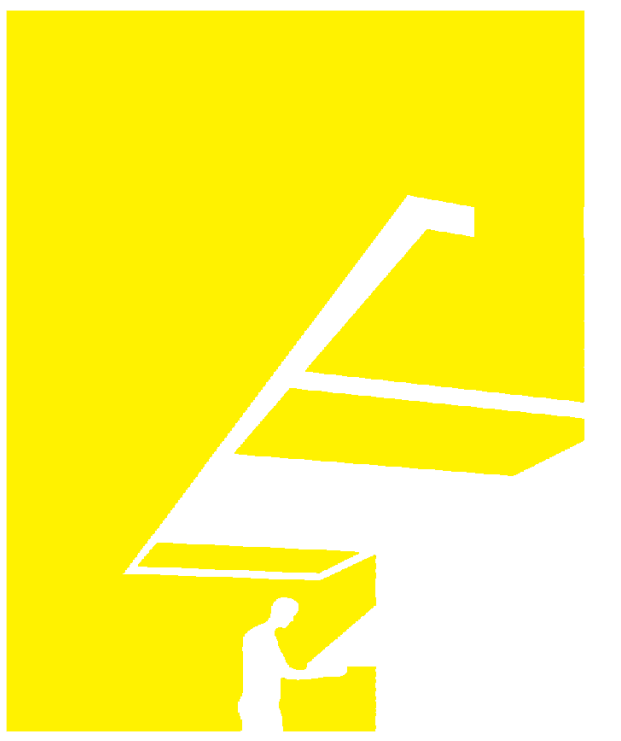
1. PROVIDE 1.5 HR FIRE RATING INSULATION FOR WALLS SURROUNDING ELECTRICAL METER AND MECHANICAL ROOM.

REFERENCE KEYNOTES

- 05 41 00.A5 3-5/8" METAL STUD
- 05 41 00.A8 6" METAL STUD
- 06 16 00.D11 3/4" PLYWOOD
- 08 14 73 SLIDING WOOD DOORS
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 30 23 MOSAIC TILING
- 09 30 23.A1 MOSAIC TILING

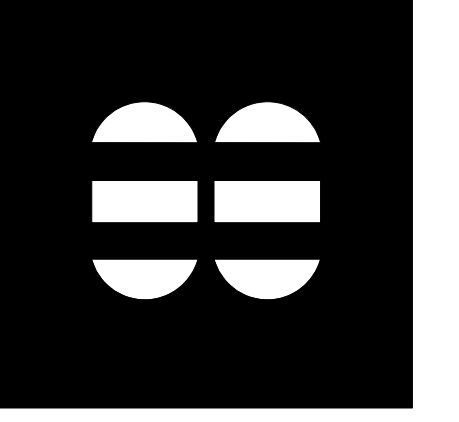
SHEET KEYNOTES

- 6.05 ACCESSIBLE GRAB BAR TO BE INSTALLED AT 2'-10" ABOVE FINISHED FLOOR



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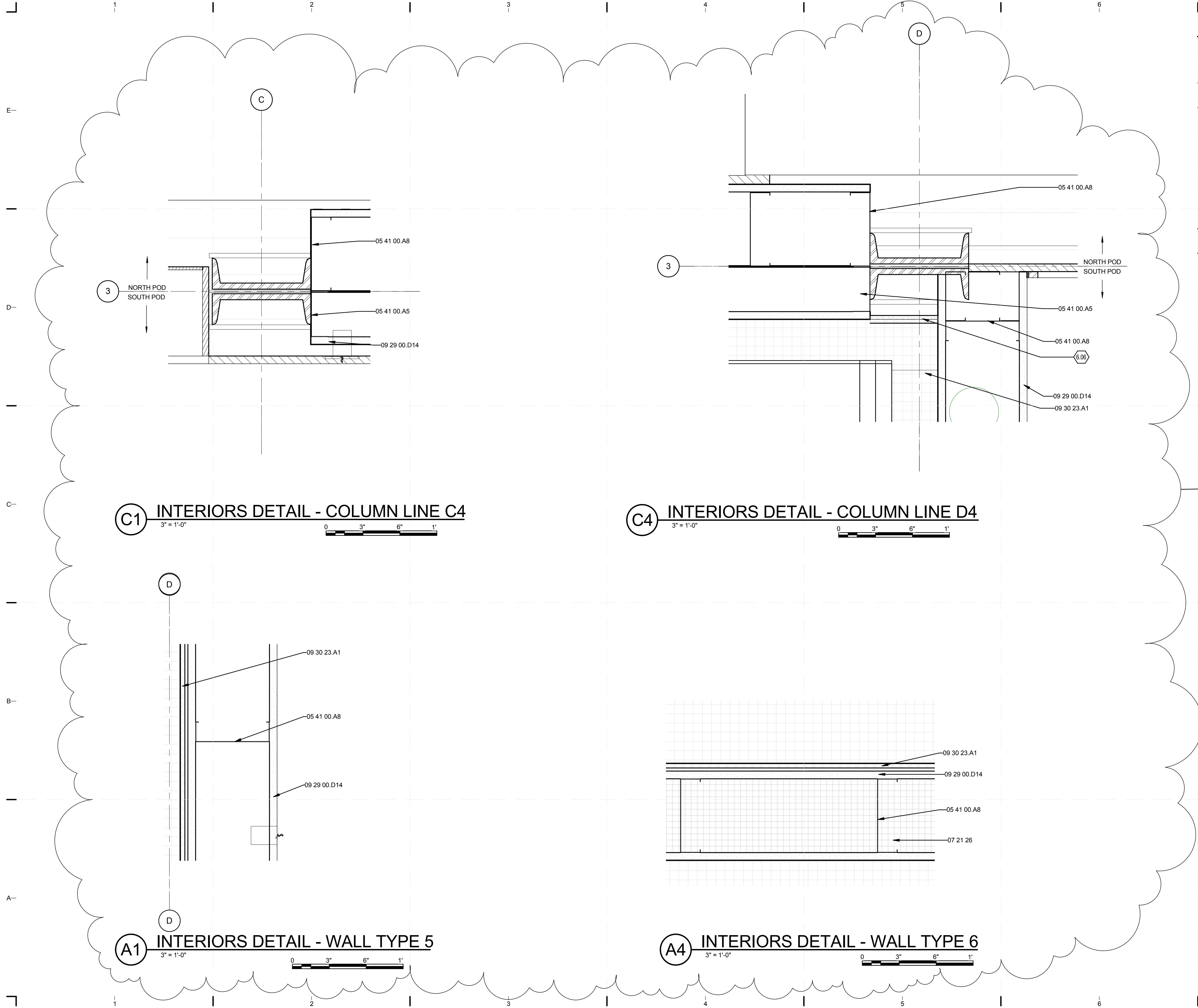
MARK	DATE	DESCRIPTION
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ORIGINAL PUBLISH DATE: 2011-03-22
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 LOT NUMBER: 206
 DRAWN BY: C. RODRIGUEZ
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INTERIOR DESIGN DETAILS

SHEET NUMBER
1-504

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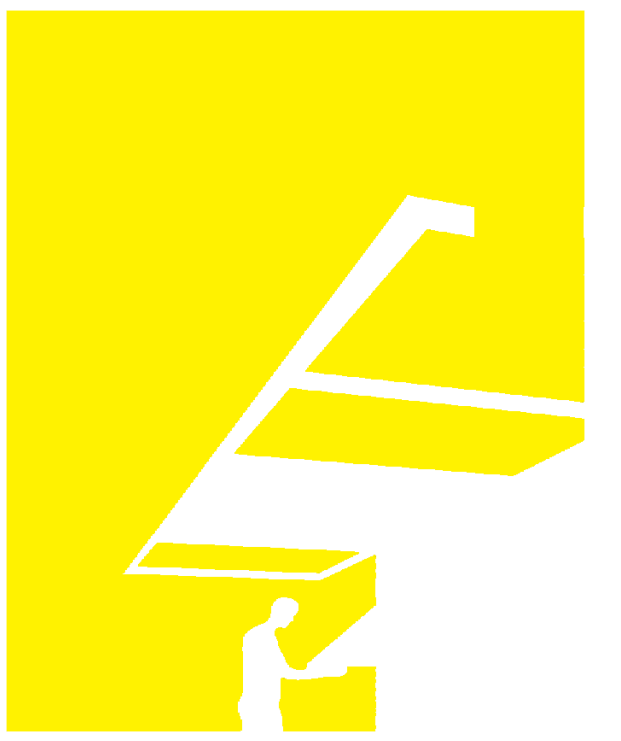
GENERAL SHEET NOTES

1. FOR STRUCTURAL STEEL MEMBERS INFORMATION PLEASE REFER TO STRUCTURAL DRAWINGS.

REFERENCE KEYNOTES

- 05 41 00.A5 3-5/8" METAL STUD
- 05 41 00.A8 6" METAL STUD
- 07 21 26 SPRAYED INSULATION
- 09 29 00.D14 5/8" MAGNUM WALLBOARD
- 09 30 23.A1 MOSAIC TILING

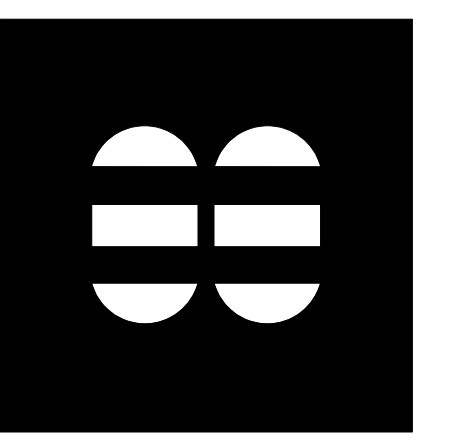
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 DRAWN BY: G.RIVERA
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INTERIOR DESIGN DETAILS

SHEET NUMBER

I-505

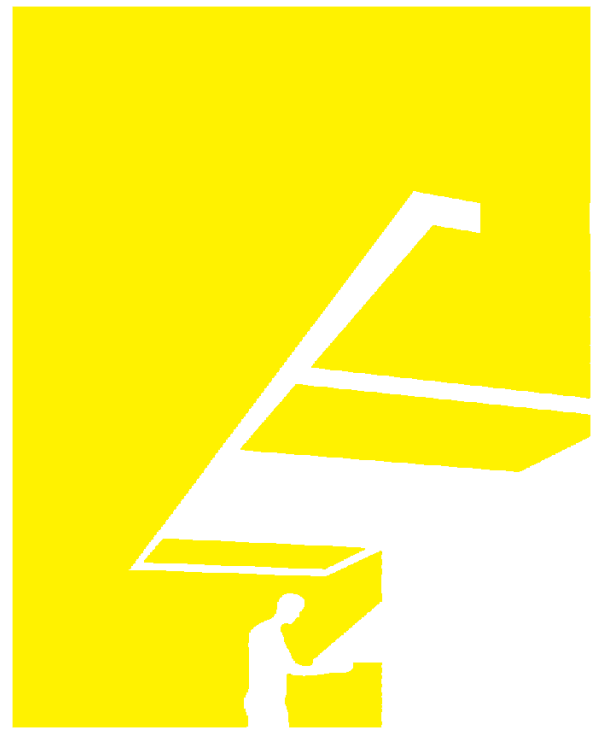
ROOM FINISH SCHEDULE						
ROOM NO	ROOM NAME	FINISH				
		FLOOR	BASE	WALL	CEILING	
101	LIVING AREA	F1	B1	P1	C1	
102	KITCHEN	F1	B1	P1	C1	
103	MECHANICAL CLOSET	F2	B2	P3	C1	
104	BATHROOM	F2	B2	P2	C1	
105	BEDROOM	F1	B1	P1	C1	

FINISH KEY						
FLOORING		BASE		WALL		CEILING
F1	WOOD COMPOSITION FLOORING	B1	WOOD COMPOSITION BASE	P1	PAINT EGGSHELL, COLOR 1 TBD	C1
F2	GLASS MOSAIC TILING	B2	GLASS MOSAIC TILING BASE	P2	PAINT EGGSHELL, COLOR 2 TBD	
				P3	PAINT EGGSHELL, COLOR 3 TBD	

PLUMBING FIXTURE SCHEDULE				
KEYNOTE	DESCRIPTION	MANUFACTURER	MODEL	COUNT
				2
11 31 23.A4	ENERGY STAR WASHER/DRYER COMBO	ARISTON	ARWDF 129 NA	1
22 41 13.A5	WATER CLOSET	CAROMA		1
22 41 16.16	ADA STAINLESS STEEL SINK	HOUSER	2622-9BS3	1

APPLIANCE SCHEDULE				
KEYNOTE	DESCRIPTION	MANUFACTURER	MODEL	COUNT
				1
11 31 13.B3	ADA ENERGY STAR DISHWASHER	GENERAL ELECTRIC	GSM1800J	1
				1

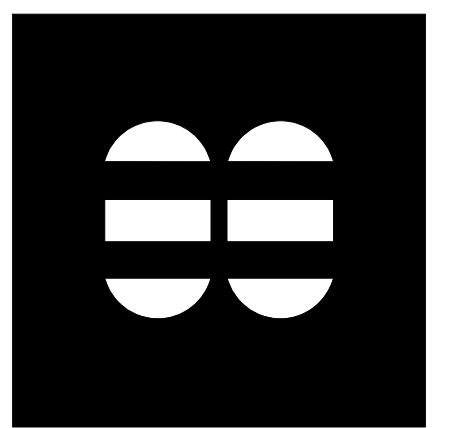
FURNITURE SCHEDULE						
KEYNOTE	MANUFACTURER	MODEL	DESCRIPTION	MATERIAL/COLOR	DIMENSIONS	COUNT
12 43 13.19	IKEA	ALANG	FLOOR LAMP	NICKEL PLATED/GRAY	46 - 62"H	1
12 48 53.A1	IKEA	HEMMET	AREA RUG	DARK ORANGE	5'-5"L X 7'-10"W	1
12 51 00	IKEA	MUDDUS	DROP-LEAF DESK	WHITE	36 1/4"L X 23 5/8"W X 29 1/8"H	1
12 52 19.A1	IKEA	TIRUP	SWIVEL CHAIR	LIGHT BROWN/GRAY	31 1/8"D X 30 3/4"W X 34 5/8"H X 17 3/8"SH	1
12 58 13.A1	IKEA	KIVIK	SOFA	TENO LIGHT GRAY	37 3/8"D X 89 3/4"W X 32 5/8"H X 17 3/4" SH	1
12 58 19.A1	IKEA	BJURSTA	DINING TABLE	BROWN	45 1/4"DIA. X 29 1/8"H 65 3/8" MAX. LENGTH	1
12 58 19.A1	IKEA	HENRIKSDAL	DINING CHAIR	LINNERYD NATURAL/BROWN	22 7/8"D X 21 1/4"W X 38 1/4"H X 18 1/2"SH	4
12 58 23.A1	IKEA	STRIND	COFFEE TABLE	NICKEL PLATED/WHITE	29 1/2 DIA. X 15 3/4"H	1
12 58 29.A1	TBD	TBD	MURPHY BED	N/A	QUEEN	1



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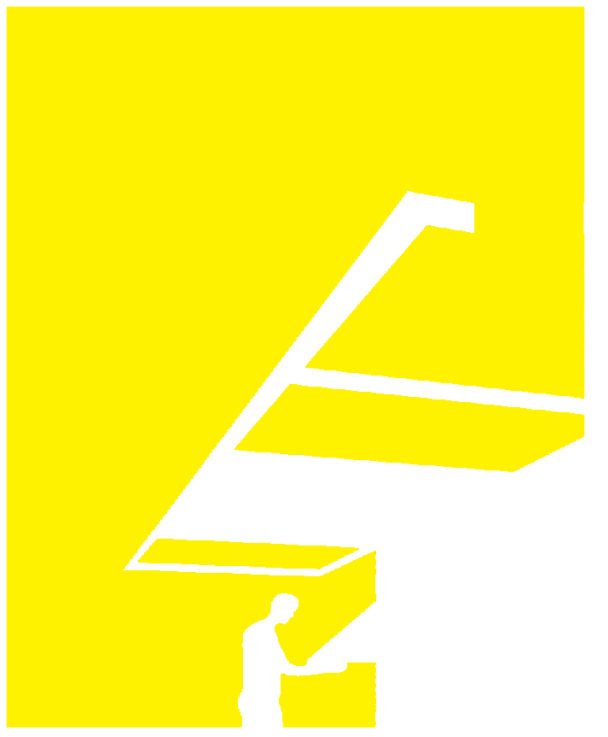
SHEET INFORMATION
 LOT NUMBER: 206
 DRAWN BY: T. PELAEZ
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SHEET TITLE
INTERIOR DESIGN SCHEDULES

SHEET NUMBER
1-601

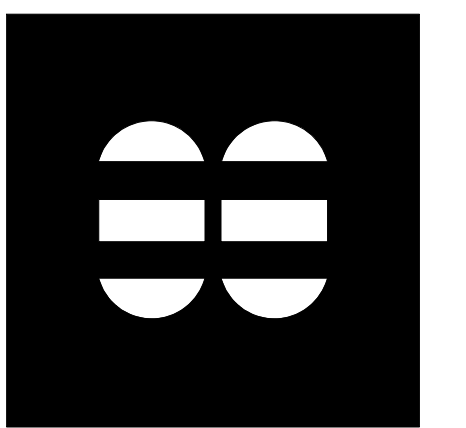


B1 INTERIOR RENDERING KITCHEN/LIVING ROOM
1/2" = 1'-0"



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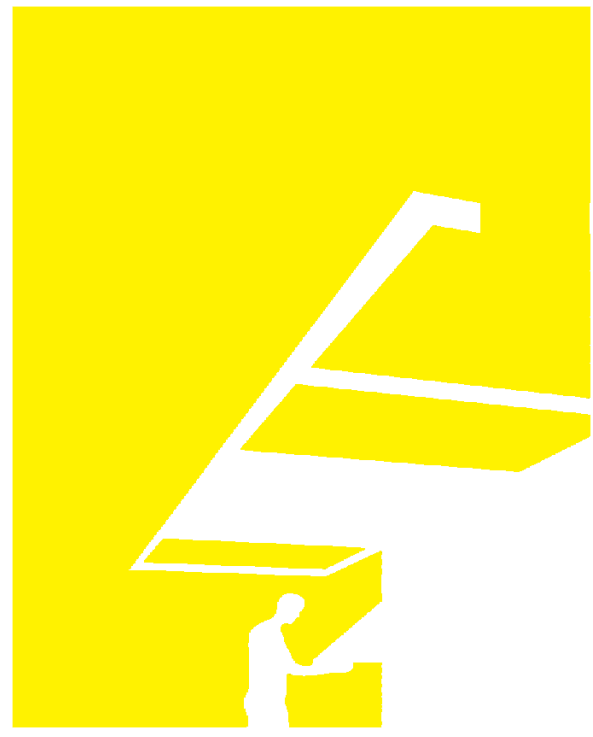
SHEET INFORMATION
 LOT NUMBER: 206
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SHEET TITLE
**INTERIOR
 RENDERINGS**

SHEET NUMBER
1-901

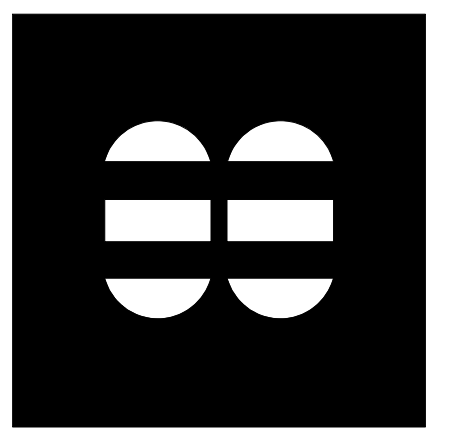


A1 INTERIOR RENDERING LIVING ROOM/ BEDROOM
12" = 1'-0"



TEAM NAME: perFORM[D]ance House
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 0007420 AAC000986 EB0003663 0008079



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JUNE 27, 2011
 JAMES W. PIERSOL, AIA
 AR 8079

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 MARK DATE DESCRIPTION

ORIGINAL PUBLISH DATE: 2011-03-22

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 LOT NUMBER: 206
 DRAWN BY: C. ROMERO
 CHECKED BY: Checker
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SHEET TITLE
**INTERIOR
 RENDERINGS**

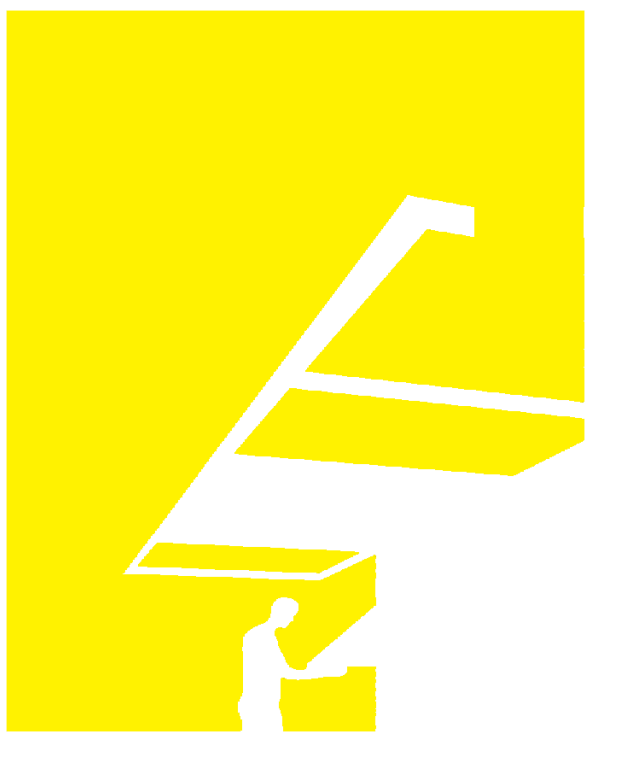
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1-902



PLUMBING SYMBOLS	
	PVC/CPVC - SCH40 BEND
	TRAP P - PVC - SCH 40
	TEE SANITARY - PVC - SCH40
	PVC/CPVC - TEE FITTING
	PVC/CPVC - COUPLING SCH40
	REDUCER
	TRANSITION
	SUPPLY PUMP
	SUMP PUMP
	SMOKE DETECTOR

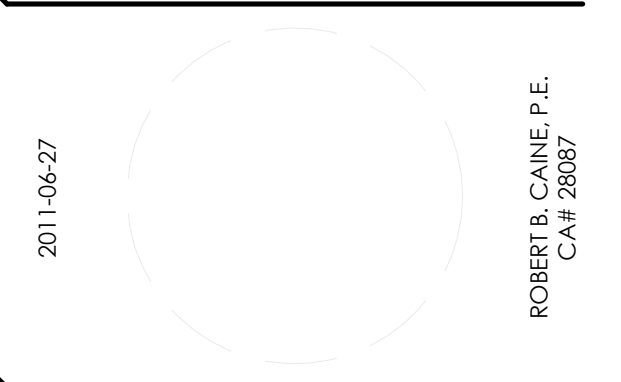
ABBREVIATION	FULL SPELLING
FEC	FIRE EXTINGUISHER CASE
FS	FIRE SPRINKLER
S	SMOKE DETECTOR

FIRE SUPPRESSION SHEET LIST	
SHEET NO.	SHEET NAME
F-001	FIRE PROTECTION NOTES AND SYMBOLS
F-102	FIRE SUPPRESSION
F-602	FIRE PROTECTION DIAGRAMS



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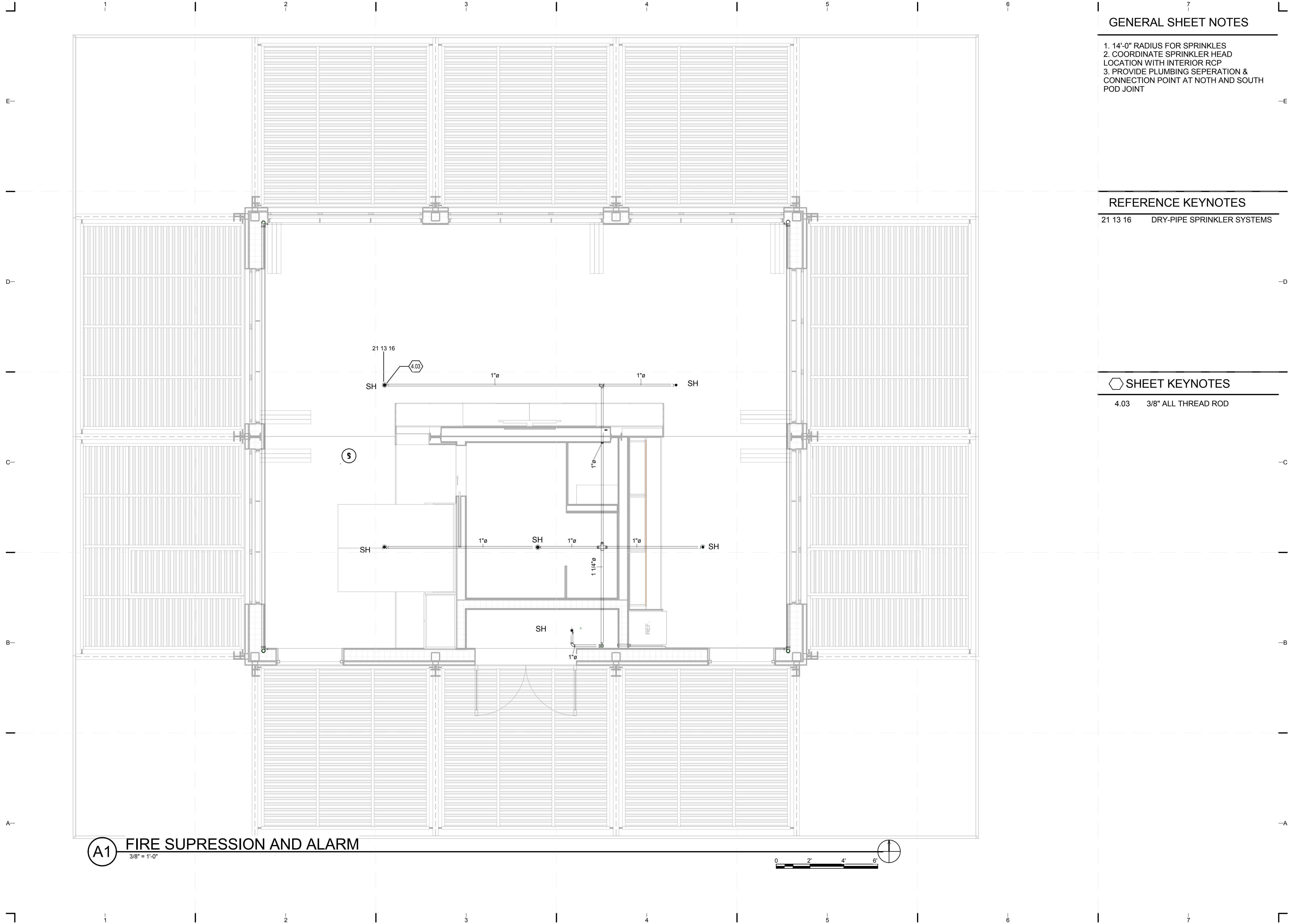
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1	2011-06-27	FIU PERMIT

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SHEET TITLE
FIRE PROTECTION NOTES AND SYMBOLS
SHEET NUMBER
F-001



(A1) FIRE SUPPRESSION AND ALARM
3/8" = 1'-0"

GENERAL SHEET NOTES

1. 14'-0" RADIUS FOR SPRINKLES
2. COORDINATE SPRINKLER HEAD LOCATION WITH INTERIOR RCP
3. PROVIDE PLUMBING SEPERATION & CONNECTION POINT AT NOTH AND SOUTH POD JOINT

REFERENCE KEYNOTES

21 13 16 DRY-PIPE SPRINKLER SYSTEMS

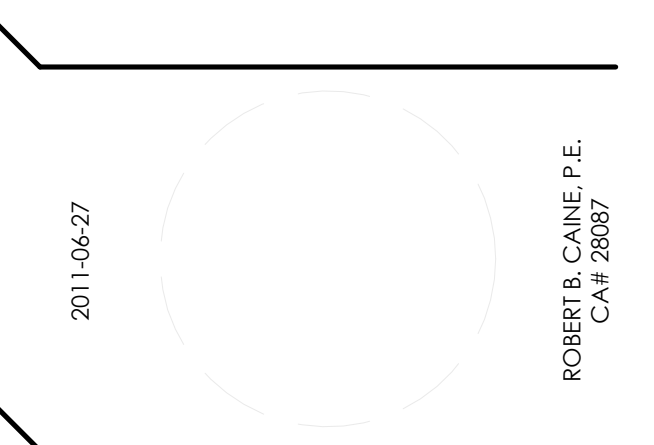
SHEET KEYNOTES

4.03 3/8" ALL THREAD ROD



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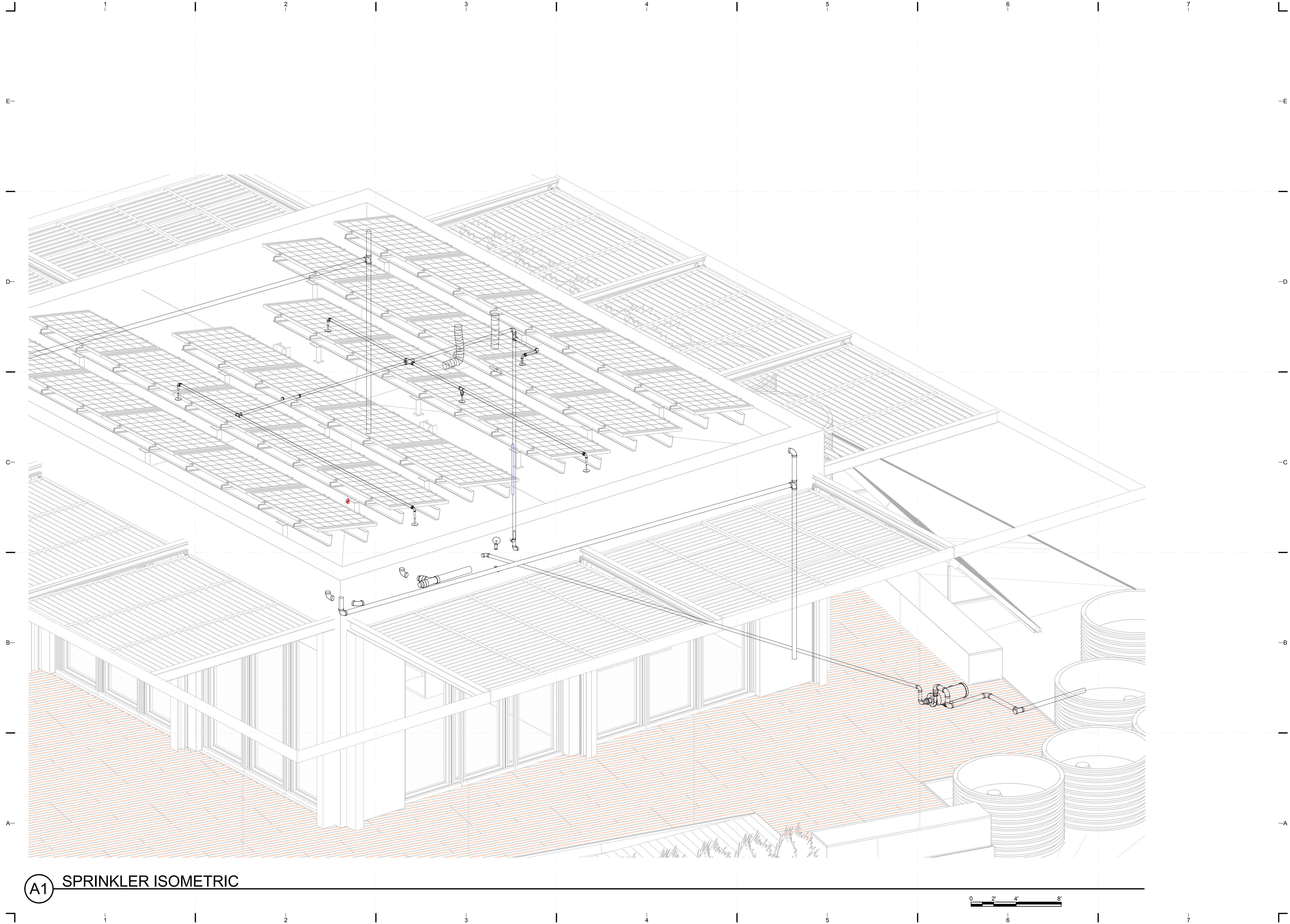
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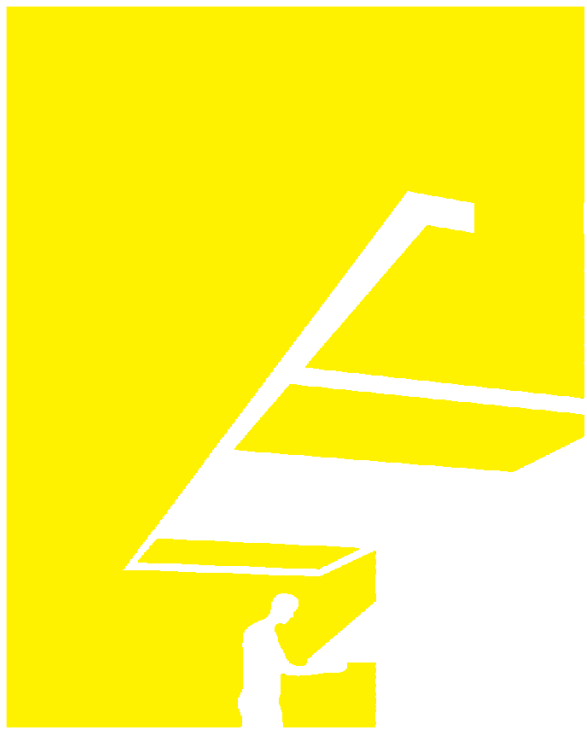
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 LOT NUMBER: 206
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SHEET TITLE
FIRE SUPPRESSION

SHEET NUMBER
F-102



A1 SPRINKLER ISOMETRIC



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2011-06-27
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 CA# 28087

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SHEET TITLE
FIRE PROTECTION DIAGRAMS

SHEET NUMBER
F-602

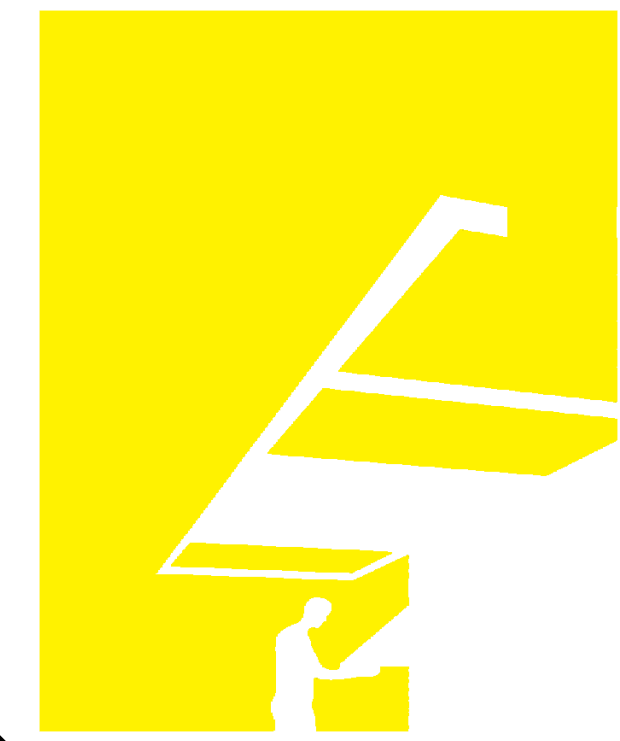
PROJECT PLUMBING NOTES

1. THESE GENERAL NOTES APPLY TO ALL WORK SHOWN.
2. DO NOT SCALE DRAWINGS, USE FIELD MEASUREMENTS.
3. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
4. THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH 2009 INTERNATIONAL PLUMBING CODE.
5. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
6. ALL NE EXPOSED DUCTWORK, PIPING, ELECTRICAL CONDUIT, TEMPERATURE CONTROLS CONDUIT AND ASSOCIATED COMPONENTS TO BE METAL FINISH. COORDINATE WITH OWNER PRIOR TO INSTALLATION
7. 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.
8. 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.
9. ALL PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY 2009 INTERNATIONAL PLUMBING CODE & MANUFACTURER'S RECOMMENDATIONS.
10. ALL PIPING PENETRATIONS THRU NEW/EXISTING WALLS/FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE NEW/EXISTING WALL OR FLOOR.
11. THE ENTIRE DOMESTIC WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE 2009 INTERNATIONAL PLUMBING CODE.
12. CATALOG PART NUMBERS SHOWN ARE FOR DESCRIPTIVE AND MINIMUM QUALITY STANDARDS ONLY. THEY ARE NOT TO BE USED FOR ORDERING WITHOUT VERIFICATION. ENGINEER SHALL NOT BE RESPONSIBLE FOR MISMATCHED OR INACCURATE PART NUMBERS. ALTERNATE EQUIPMENT AND/OR MATERIALS MEETING THE MINIMUM QUALITY STANDARD OF THE LISTED ITEM(S) ARE ACCEPTABLE.

PLUMBING SYMBOLS	
	PVC/CPVC - SCH40 BEND
	TRAP P - PVC - SCH 40
	TEE SANITARY - PVC - SCH40
	PVC/CPVC - TEE FITTING
	PVC/CPVC - COUPLING SCH40
	REDUCER
	TRANSITION
	SUPPLY PUMP
	SUMP PUMP
	SMOKE DETECTOR

ABBREVIATION	FULL SPELLING
DW	DISH WASHER
OVEN	OVEN
REF	REFRIGERATOR
S	SINK
SH	SHOWER
WC	WATER CLOSET
WH	WATER HEATER
WR	RAIN WATER
WS	WATER SUPPLY
WW	WASTE WATER

PLUMBING SHEET LIST	
SHEET NO.	SHEET NAME
P-001	PLUMBING SYMBOLS AND NOTES
P-101	PLUMBING SITE PLAN
P-102	DOMESTIC SUPPLY
P-103	DOMESTIC RETURN
P-601	SCHEDULES
P-901	PLUMBING ISOMETRICS
P-902	PLUMBING ISOMETRICS



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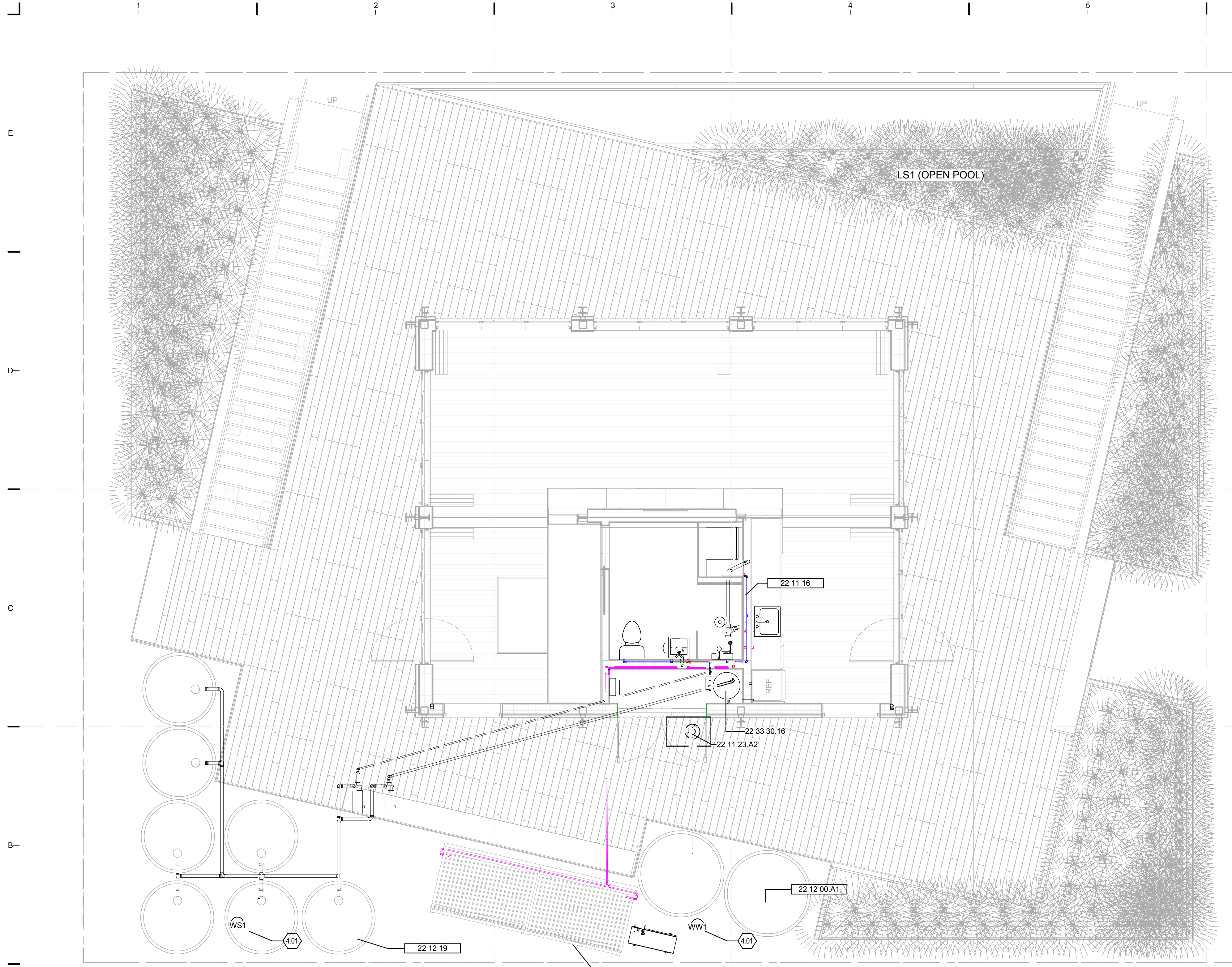
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1	2011-06-27	FIU PERMIT
2	2011-07-06	COORDINATION

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SHEET TITLE
PLUMBING SYMBOLS AND NOTES
SHEET NUMBER
P-001



GENERAL SHEET NOTES

1. WATER DELIVERY
 - 1A. TO WS1 ON SUNDAY, DAY 1, AT 8:00 AM REQUEST 1,000 GALLONS. TANK OPENING EXCEEDS 4" MINIMUM REQUIREMENT WITH 12" CLEARANCE.
 - 1B. TO LS1 ON SUNDAY, DAY 1, AT 8:00 AM REQUEST 500 GALLONS INTO OPEN REFLECTING POOL. IF REFLECTING POOL NOT COMPLETED, DELIVER 500 GALLONS TO WW1 FOR HOLDING. UPON COMPLETION OF REFLECTING POOL, WATER WILL BE PUMPED FROM WW1 TO LS1. REFLECTING POOL CAPACITY EQUALS 1,950 GALLONS.
2. WATER REMOVAL
 - 2A. FROM WW1 ON MONDAY, DAY 20, REMOVE 1,000 GALLONS. TANK OPENING EXCEEDS 4" MINIMUM REQUIREMENT.
 - 2B. FROM LS1 ON MONDAY, DAY 20, REMOVE 500 GALLONS FROM OPEN REFLECTING POOL.
3. PER RULE 9-1C, ALL WS TANKS ARE FULLY SHADED. EACH CYLINDRICAL TANK CONTAINS A BLADDER WHICH IS SHADED BY THE CONTAINER AND COVERED WITH VEGETATION IPLYWOOD.
4. RAIN WATER COLLECTION BARRELS ARE NOT CONNECTED TO THE WATER SUPPLY TANKS. OVERFLOW PROTECTION IS PROVIDED BY CONNECTION TO WASTE WATER TANKS. REFER TO L-102 FOR MORE INFORMATION.

REFERENCE KEYNOTES

22 11 16	DOMESTIC WATER PIPING
22 11 23.A2	SUMP PUMP
22 12 00.A1	WATER STORAGE TANK
22 12 19	FACILITY GROUND-MOUNTED, POTABLE WATER STORAGE TANKS
22 33 10	INSTANTANEOUS ELECTRIC DOMESTIC WATER HEATERS
22 33 13	INSTANTANEOUS ELECTRIC DOMESTIC WATER HEATERS
22 33 30.16	RESIDENTIAL, STORAGE ELECTRIC DOMESTIC WATER HEATERS

SHEET KEYNOTES

4.01	10" PE THREADED-VENTED FILL CAP W/12" ACCESS
------	--

PLUMBING LEGEND

█	HOT
█	COLD
█	SOLAR HOT WATER
█	VENT
█	SANITARY



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2011-06-27
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1	2011-06-27	FIU PERMIT
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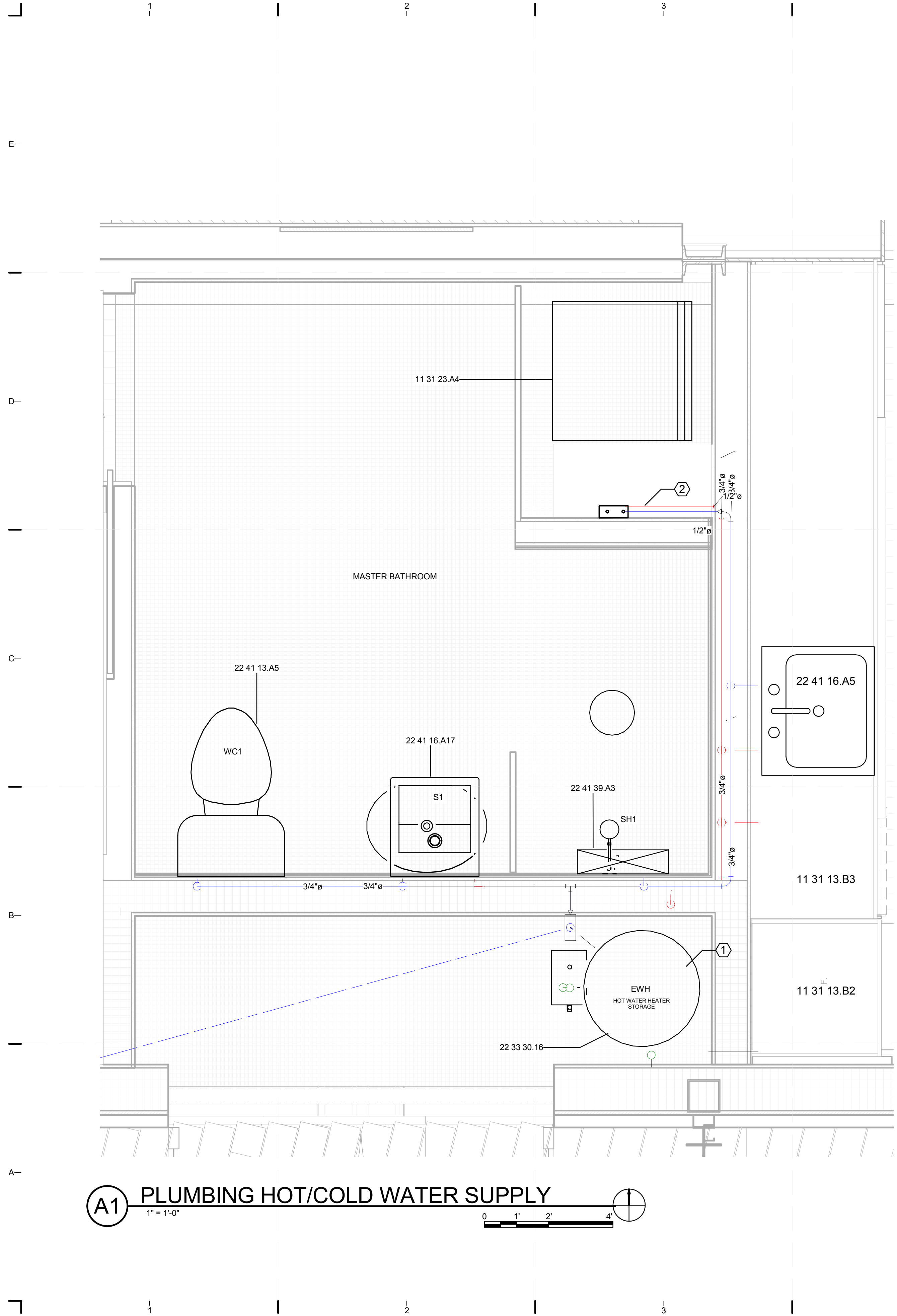
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SHEET TITLE
PLUMBING SITE PLAN
SHEET NUMBER
P-101

A1 WATER DELIVERY AND REMOVAL
 1/4" = 1'-0"



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GENERAL SHEET NOTES

1. ALL INSTALLATION TO COMPLY WITH IRC 2009 AND OTHER APPLICABLE CODES. SEE SPECIFICATION FOR INSTALLATION.
2. FOR THE PURPOSE OF THE COMPETITION, THE TOILET SHALL NOT BE USED AT ANY POINT. THE WASTERWATER TANK WILL NOT BE USED FOR ANY VEGITATION OR ALTERNATE USE AND WILL BE REMOVED AT THE END OF THE EVENT.
3. FOR THE PURPOSE OF THE COMPETITION, ALL WASTE WATER WILL BE SENT TO A SEPARATE WASTE WATER TANK WHICH WILL BE REMOVED AT THE END OF THE COMPETITION.
4. INSTALL BALL SHUTOFF VALVES AT EVERY DEVICE WATER CONNECTION
5. INSTALL WATER HAMMER ARRESTOR ACCORDING TO MANUF. SPECIFICATIONS AT WASHER/DRYER
6. ALL SUPPLY LINES TO BE 3/4" DIAMETER
7. TOILET SHALL NOT BE PLUMBED FOR COMPETITION

SHEET KEYNOTES

- ① INSULATE TO R-24
- ② HOT WATER SUPPLY; FROST KING PIPE WRAP INSULATION TAPE TOTAL R-VALUE 4.0 (2XR-VALUE 2.0)

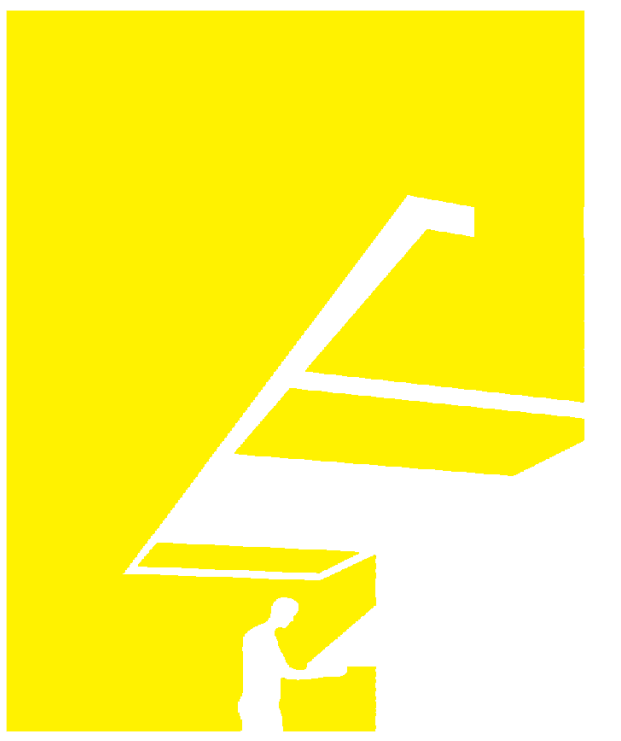
REFERENCE KEYNOTES

- 11 31 23.A4 WASHER/DRYER COMBO BY ARISTON
- 22 33 13 INSTANTANEOUS ELECTRIC DOMESTIC WATER HEATERS
- 22 33 30.16 RESIDENTIAL, STORAGE ELECTRIC DOMESTIC WATER HEATERS
- 22 41 13.A5 WATER CLOSET BY CAROMA
- 22 41 16.A17 WALL MOUNT SINK BY CAROMA
- 22 41 39.A3 SHOWER TRIM BY AMERICAN STANDARD

PLUMBING LEGEND

	HOT
	COLD
	SOLAR HOT WATER
	VENT
	SANITARY

A1 PLUMBING HOT/COLD WATER SUPPLY
1" = 1'-0"



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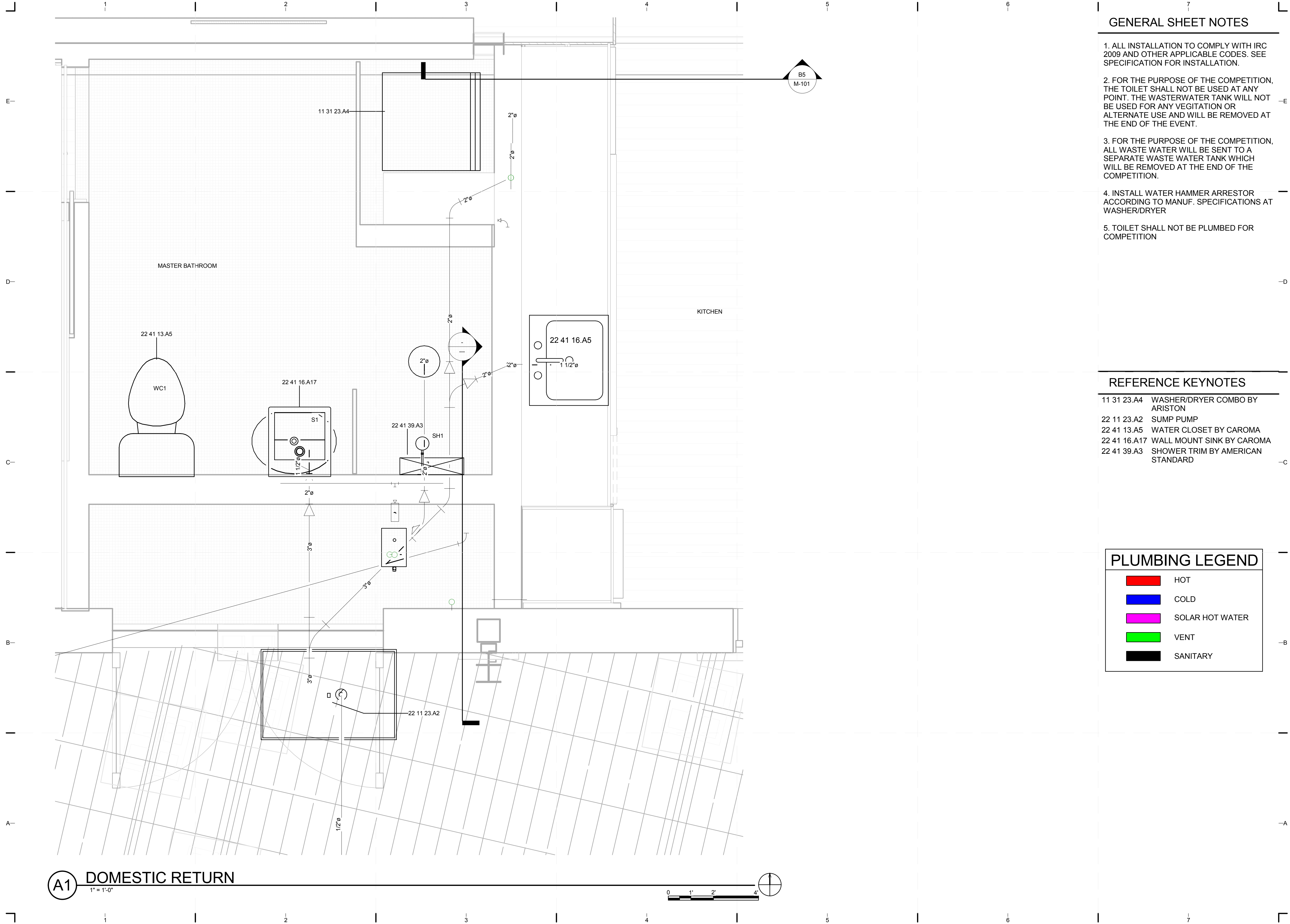
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DOMESTIC SUPPLY

SHEET NUMBER
P-102

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GENERAL SHEET NOTES

1. ALL INSTALLATION TO COMPLY WITH IRC 2009 AND OTHER APPLICABLE CODES. SEE SPECIFICATION FOR INSTALLATION.
2. FOR THE PURPOSE OF THE COMPETITION, THE TOILET SHALL NOT BE USED AT ANY POINT. THE WASTEWATER TANK WILL NOT BE USED FOR ANY VEGITATION OR ALTERNATE USE AND WILL BE REMOVED AT THE END OF THE EVENT.
3. FOR THE PURPOSE OF THE COMPETITION, ALL WASTE WATER WILL BE SENT TO A SEPARATE WASTE WATER TANK WHICH WILL BE REMOVED AT THE END OF THE COMPETITION.
4. INSTALL WATER HAMMER ARRESTOR ACCORDING TO MANUF. SPECIFICATIONS AT WASHER/DRYER
5. TOILET SHALL NOT BE PLUMBED FOR COMPETITION

REFERENCE KEYNOTES

- 11 31 23.A4 WASHER/DRYER COMBO BY ARISTON
- 22 11 23.A2 SUMP PUMP
- 22 41 13.A5 WATER CLOSET BY CAROMA
- 22 41 16.A17 WALL MOUNT SINK BY CAROMA
- 22 41 39.A3 SHOWER TRIM BY AMERICAN STANDARD

PLUMBING LEGEND

█	HOT
█	COLD
█	SOLAR HOT WATER
█	VENT
█	SANITARY



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SHEET TITLE
DOMESTIC RETURN
SHEET NUMBER
P-103

A1 DOMESTIC RETURN
 1" = 1'-0"



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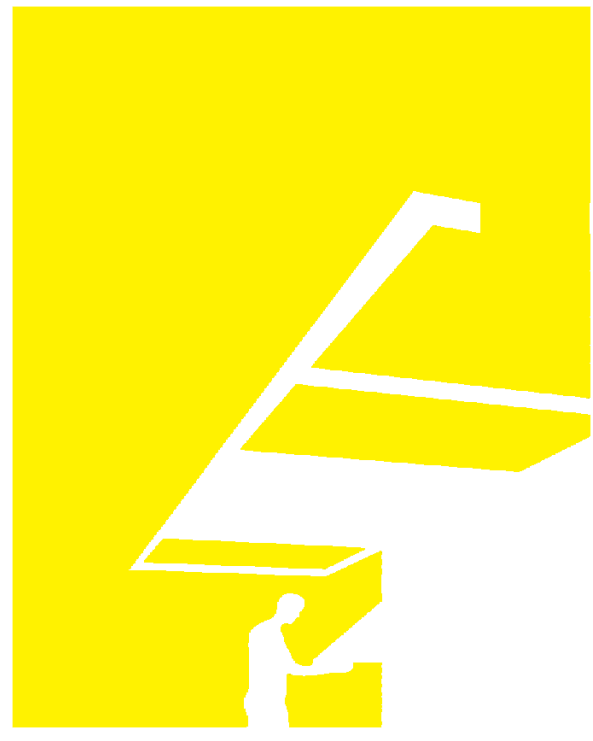
PLUMBING FIXTURE SCHEDULE												
DESCRIPTION	COUNT	MANUFACTURER	MODEL	SUPPLY FITTING	SUPPLY PIPE	DRAIN	TRAP	CONNECTION				COMMENTS
								CW	HW	WASTE	VENT	
SHOWER TRIM	1	AMERICAN STANDARD										
WALL MOUNT WITH SHROUD	1	CAROMA	LIANO									
ENERGY STAR WASHER/DRYER COMBO	1	ARISTON	ARWDF 129 NA									
WATER CLOSET	1	CAROMA										
Scupper Drain with Angle Grate	1	WATTS	RD-272					No	No	Yes	No	
Scupper Drain with Angle Grate	1	WATTS	RD-272					No	No	Yes	No	
Scupper Drain with Angle Grate	1	WATTS	RD-272					No	No	Yes	No	
Scupper Drain with Angle Grate	1	WATTS	RD-272					No	No	Yes	No	
Floor and shower drain, Dura-Coated cast iron body with bottom outlet, combination invertible membrane clamp and adjustable collar with seepage slots and TYPE 1 polished nickel bronze strainer with raised flange. (No-Hub)	1	Zurn Industries	Z415-2NH-5I					No	No		No	

PIPE FITTING SCHEDULE			
Size	Family	Count	Description
1 1/2"ø-1 1/2"ø	Bend - PVC - Sch 40 - DWV	2	
1 1/2"ø-1 1/2"ø	Trap P - PVC - Sch 40 - DWV	2	
1 1/4"ø-1 1/4"ø	Bend - PVC - Sch 40 - DWV	5	
1 1/4"ø-1 1/4"ø-1 1/4"ø	Tee Sanitary - PVC - Sch 40 - DWV	1	
1 1/4"ø-1 1/4"ø-1 1/4"ø-1 1/4"ø	Cross - PVC - Sch 40	1	
1 1/4"ø-1"ø	Reducer - PVC - Sch 40 - DWV	3	
1 1/4"ø-1/2"ø	Reducer - PVC - Sch 40 - DWV	2	
1"ø-1"ø	Bend - PVC - Sch 40 - DWV	1	
1"ø-1"ø	Coupling - Generic	8	
1"ø-1"ø	Coupling - PVC - Sch 40 - DWV	2	
1"ø-1"ø-1"ø	Tee Sanitary - PVC - Sch 40 - DWV	2	
1"ø-1/2"ø	Reducer - PVC - Sch 40 - DWV	6	
1/2"ø-1/2"ø	Bend - PVC - Sch 40 - DWV	56	
2"ø-1 1/2"ø	Reducer - PVC - Sch 40 - DWV	3	
2"ø-1 1/4"ø	Reducer - PVC - Sch 40 - DWV	1	
2"ø-2"ø	Bend - PVC - Sch 40 - DWV	25	
2"ø-2"ø	Reducer - PVC - Sch 40 - DWV	7	
2"ø-2"ø	Trap P - PVC - Sch 40 - DWV	2	
2"ø-2"ø-2"ø	Tee - Generic	1	
2"ø-2"ø-2"ø	Tee Sanitary - PVC - Sch 40 - DWV	11	
2"ø-2"ø-2"ø-2"ø	Cross - PVC - Sch 40	1	
2"ø-3/4"ø	Reducer - PVC - Sch 40 - DWV	1	
3"ø-2"ø	Reducer - PVC - Sch 40 - DWV	4	

PIPE FITTING SCHEDULE			
Size	Family	Count	Description
3"ø-3"ø	Bend - PVC - Sch 40 - DWV	1	
3"ø-3"ø-3"ø	Tee Sanitary - PVC - Sch 40 - DWV	3	
3/4"ø-1/2"ø	Reducer - PVC - Sch 40 - DWV	9	
3/4"ø-3/4"ø	Bend - PVC - Sch 40 - DWV	19	
3/4"ø-3/4"ø-3/4"ø	Tee - Generic	7	
4"ø-3/4"ø	Transition - Generic	1	

PIPE FITTING SCHEDULE			
Size	Family	Count	Description

PIPE SCHEDULE			
Diameter	Type	Length	Description
CPVC			
3/4"	CPVC	11 1/8"	
1 1/2"	CPVC	2"	
38"	CPVC	45'-10 7/16"	
9"	CPVC	4'-6 3/8"	
PVC			
26 1/2"	PVC	335'-2 11/16"	
28 1/2"	PVC	62'-1"	
1"	PVC	9 5/16"	
3 3/4"	PVC	24'-2 1/2"	
3"	PVC	1 1/2"	
72"	PVC	108'-2 13/16"	
3"	PVC	2'-8 7/16"	
STAINLESS STEEL			
3"	STAINLESS STEEL	1'-3 5/16"	
9"	STAINLESS STEEL	45'-2 7/8"	
3 3/4"	STAINLESS STEEL	15'-5 9/16"	
202 3/4"		646'-10"	



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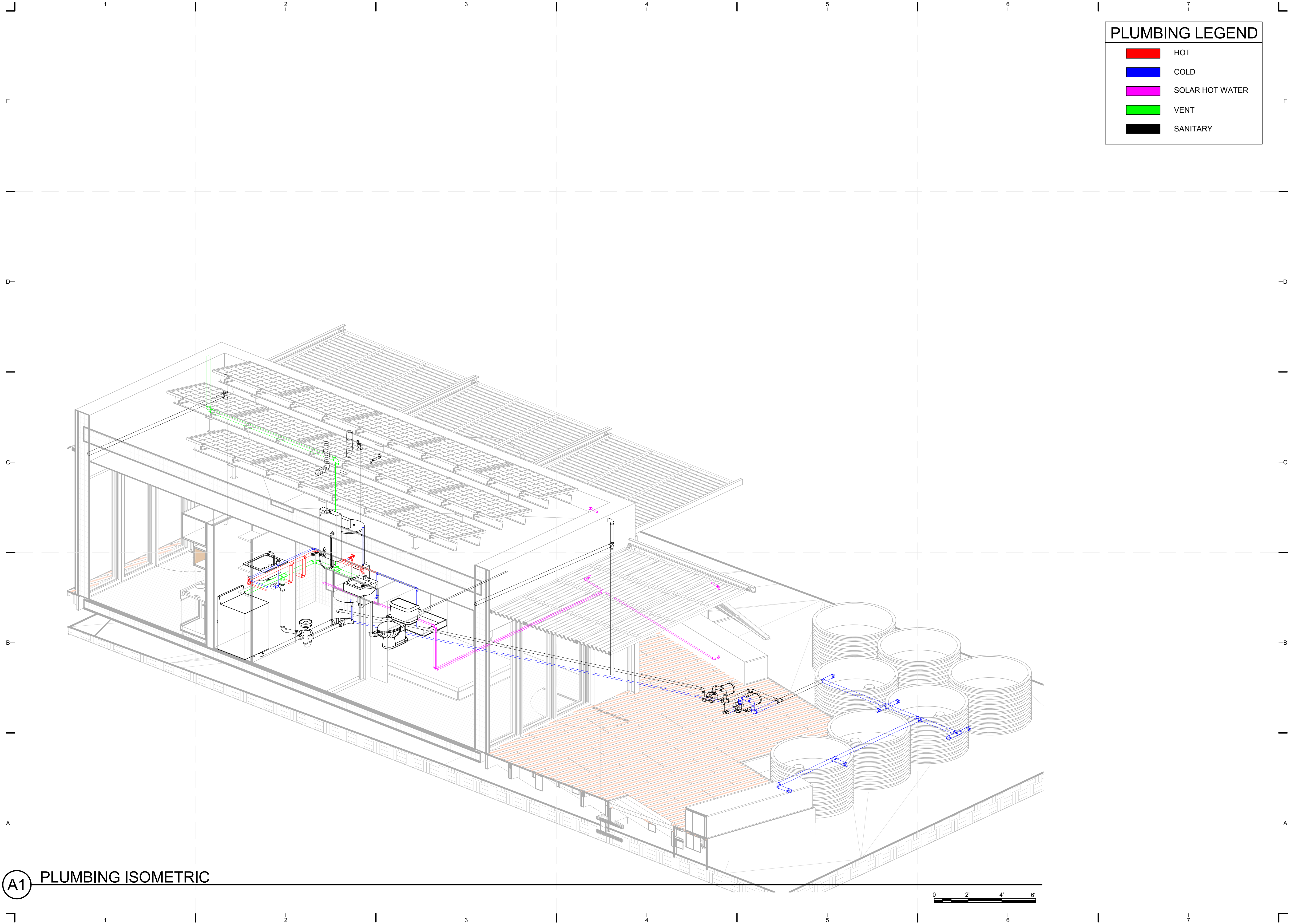


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SHEET TITLE
SCHEDULES

SHEET NUMBER
P-601



PLUMBING LEGEND	
█	HOT
█	COLD
█	SOLAR HOT WATER
█	VENT
█	SANITARY



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2011-06-27
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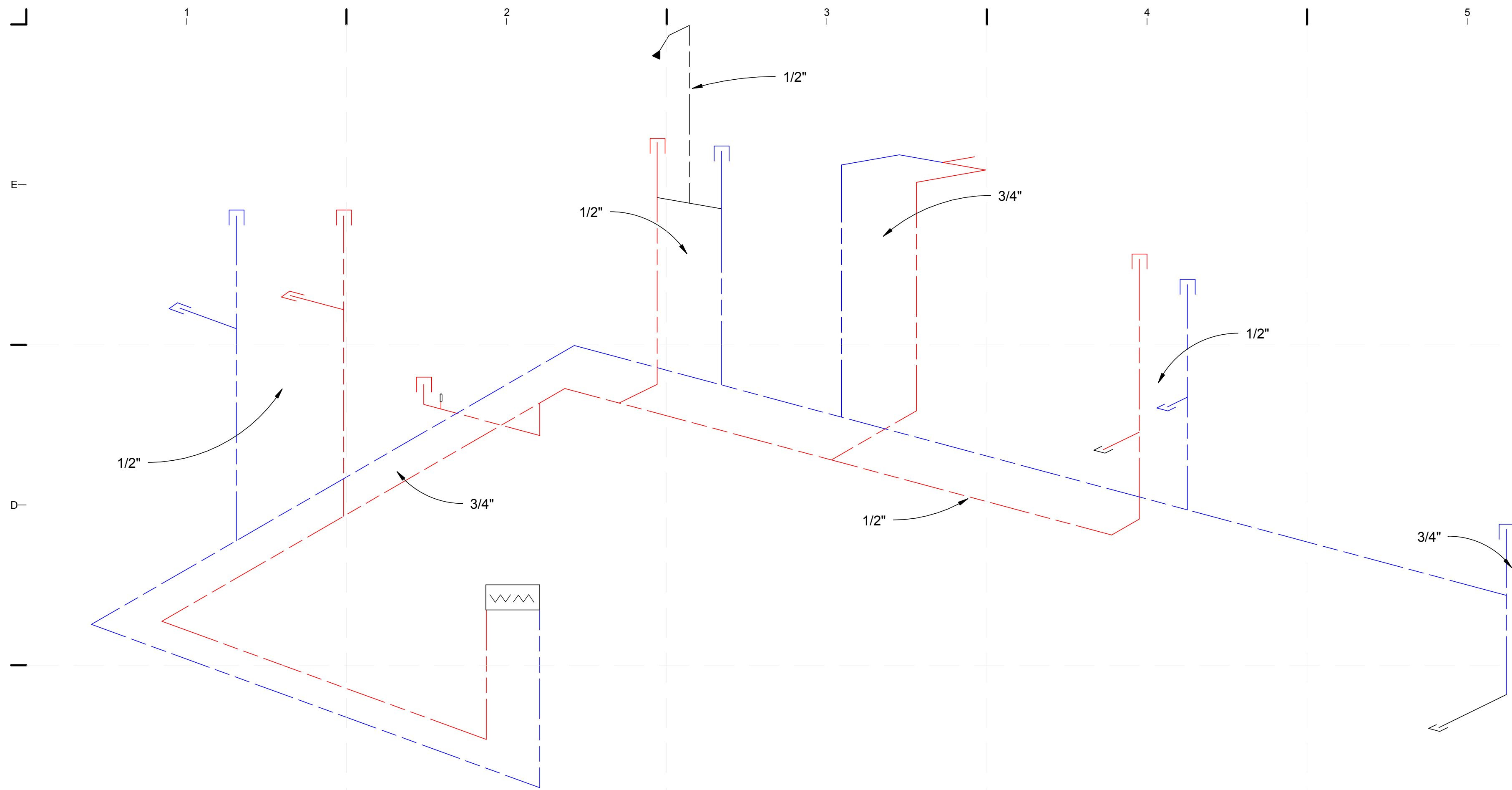
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SHEET TITLE
PLUMBING ISOMETRICS
SHEET NUMBER
P-901

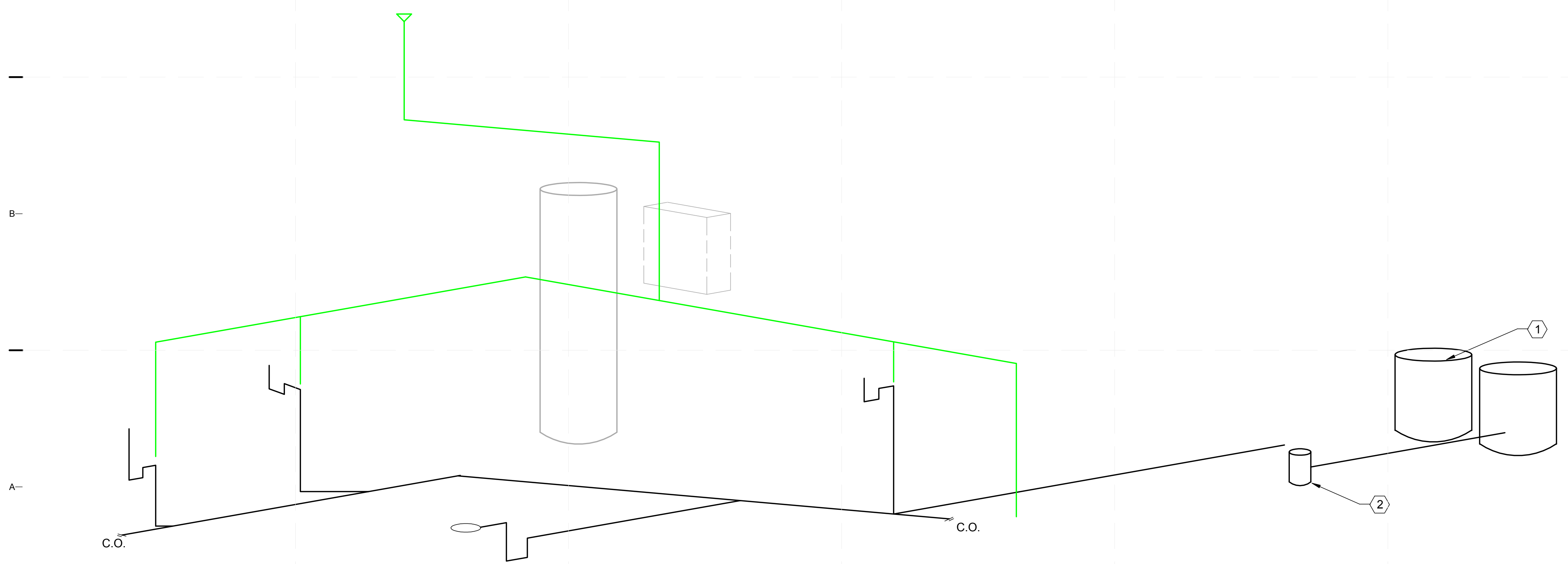
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A1 PLUMBING ISOMETRIC





C1 PLUMBING SUPPLY ISOMETRIC
NTS



A1 SANITARY ISOMETRIC
NTS






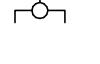
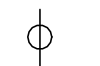
GENERAL SHEET NOTES

1. THESE GENERAL NOTES APPLY TO ALL WORK SHOWN.
2. DO NOT SCALE DRAWINGS, USE FIELD MEASUREMENTS.
3. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS, WHETHER THEY ARE REPEATED OR NOT.
4. ALL EXPOSED DUCTWORK, PIPING, ELECTRICAL CONDUIT, TEMPERATURE CONTROLS CONDUIT AND ASSOCIATED COMPONENTS SHALL BE STAINLESS STEEL OR COLOR AS SELECTED BY THE ARCHITECT.
5. THE WORK HAS BEEN DESIGNED 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, PIPE PROTECTION, STRUCTURAL, LIGHTING, OUTLETS AND ARCHITECTURAL FEATURES SUCH AS CEILINGS, DOORS AND FRAMES, CASEWORK, ETC. REQUIRED TO PROPERLY PROVIDE EQUIPMENT OTHER THAN THAT INDICATED ON THE DRAWINGS.

REFERENCE KEYNOTES

- ① 465 GAL. WASTE TANKS
- ② SUMP PUMP

PLUMBING LEGEND

	HOT
	COLD
	SOLAR HOT WATER
	VENT
	SANITARY
	WASHING BOX MACHINE
	HAMMER ARRESTOR
	VALVE
	DIVERTER VALVE/ VOLUME CONTROL
	UNION
	TEMPERING VALVE THERMOMETER
	BACK FLOW PREVENTER



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SHEET TITLE
PLUMBING ISOMETRICS

SHEET NUMBER
P-902

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MECHANICAL NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE UNIFORM MECHANICAL CODE, FLORIDA BUILDING CODE, AND ALL OTHER APPLICABLE CODES AND REGULATION.
2. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
3. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES WITH THE ARCHITECTURAL REFLECTIVE CEILING PLAN, ELECTRICAL LIGHTING LAYOUT, ARCHITECTURAL ROOM ELEVATIONS.
4. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
5. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
6. ALL LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS INDICATED ON THE ELECTRICAL DRAWINGS. ALL ELECTRICAL WORK RELATED TO THE MECHANICAL INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS OF ALL GOVERNING BODIES HAVING JURISDICTION THEREOF.
7. ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHER-PROOFED.
8. BEFORE BEGINNING ANY WORK, CONTRACTORS SHALL THOROUGHLY EXAMINE ALL EXISTING CONDITIONS, POINTS OF CONNECTION, SIZES, LOCATIONS, AND EQUIPMENT.
9. THE CONTRACTOR SHALL REPORT TO THE ENGINEER IMMEDIATELY ANY INTERFERENCE BETWEEN TRADES OR BUILDING OBSTRUCTIONS. ALL WORK SHALL CEASE IN THAT AREA UNTIL RESOLVED BY THE ARCHITECT.
10. CONTROLS EXPOSED TO WEATHER SHALL BE INSTALLED IN WEATHERPROOFED ELECTRICAL BOX WITH HINGED COVERS.
11. ALL MATERIAL AND FIXTURES SHALL BE NEW, UNLESS OTHERWISE NOTED, AND OF THE BEST GRADE OF THE RESPECTIVE KIND, FREE FROM ALL DEFECTS.
12. MATERIALS FOR SIMILAR USE SHALL BE OF SAME TYPE AND MANUFACTURE, UNLESS OTHERWISE SPECIFIED.
13. DRAWINGS - THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A RECORD SET OF BLUE LINE PRINTS AS-BUILT DRAWINGS.
14. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL PIPING AND DUCTWORK (WHERE APPLICABLE) AT POINTS OF CONNECTION WITH (E) SYSTEMS OR SERVICES PRIOR TO COMMENCING WORK. ALL DIMENSIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE.
15. PROVIDE ISOLATING VALVES AND UNIONS ON PIPING ADJACENT TO ALL CONTROL VALVES AND OTHER APPURTENANCES OR EQUIPMENTS. LOCATE VALVES SO THE EQUIPMENT CAN BE REMOVED WITHOUT DISMANTLING ANY BRANCH LINES.
16. PITCH PIPELINES AS REQUIRED FOR PROPER DRAINAGE AND ELIMINATION OF AIR.
17. INSTALL DRAIN VALVES AT LOW POINTS OF EACH SYSTEM TO ENABLE COMPLETE DRAINAGE, AND AIR VENTS AT ALL HIGH POINTS IN PIPING SYSTEM TO ENABLE COMPLETE AIR VENTING.
18. ALL SERVICEABLE COMPONENTS AND CONTROLS OF THE AIR CONDITIONING UNITS SHALL BE ACCESSABLE FOR SAFE OPERATIONS, EXAMINATIONS AND MAINTENANCE.
19. SEAL ALL OPENINGS AROUND PIPING AND DUCTWORK PENETRATING FIRE RESISTIVE RATED WALLS AND FLOORS TO MAINTAIN RATING INTEGRITY.
20. ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE PER BUILDING CODE REQUIREMENTS.
21. MECHANICAL EQUIPMENT SHALL BE LABELED W/PERMANENT & UNIQUE IDENTIFICATION AS TO THE SPACE IT SERVES.
22. ALL APPLIANCES AND PLUMBING VENTS AND THE DISCHARGE OUTLET OF EXHAUST FANS SHALL BE AT LEAST TEN (10) FEET IN A HORIZONTAL DIRECTION, OR THREE (3) FEET ABOVE THE OUTSIDE-AIR INTAKES FOR HVAC UNITS.

MECHANICAL DRAWING INDEX	
SHEET NO.	SHEET NAME
M-001	MECHANICAL SYMBOLS AND NOTES
M-101	HVAC EQUIPMENT AND DISTRIBUTION PLAN
M-901	HVAC ISOMETRICS



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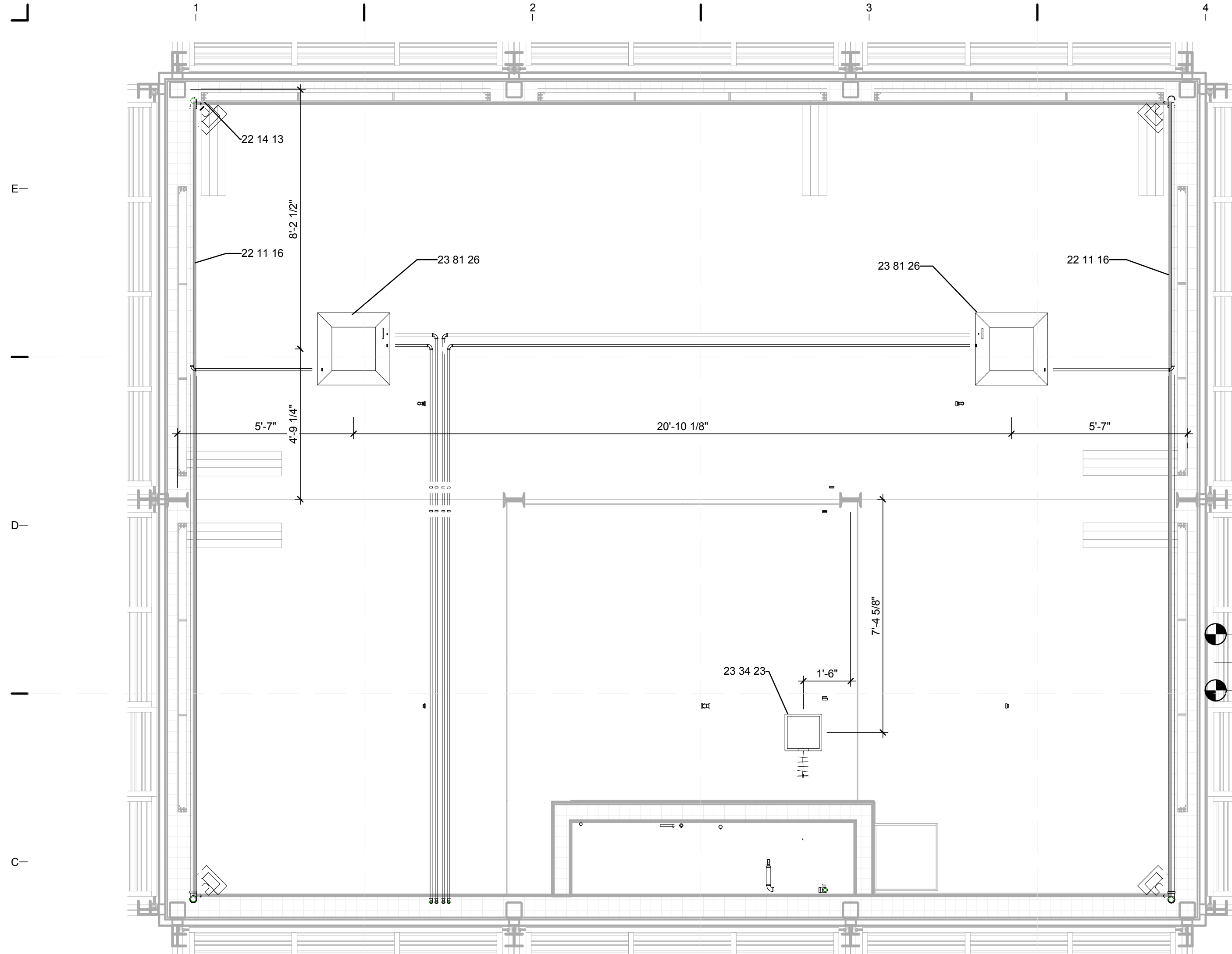


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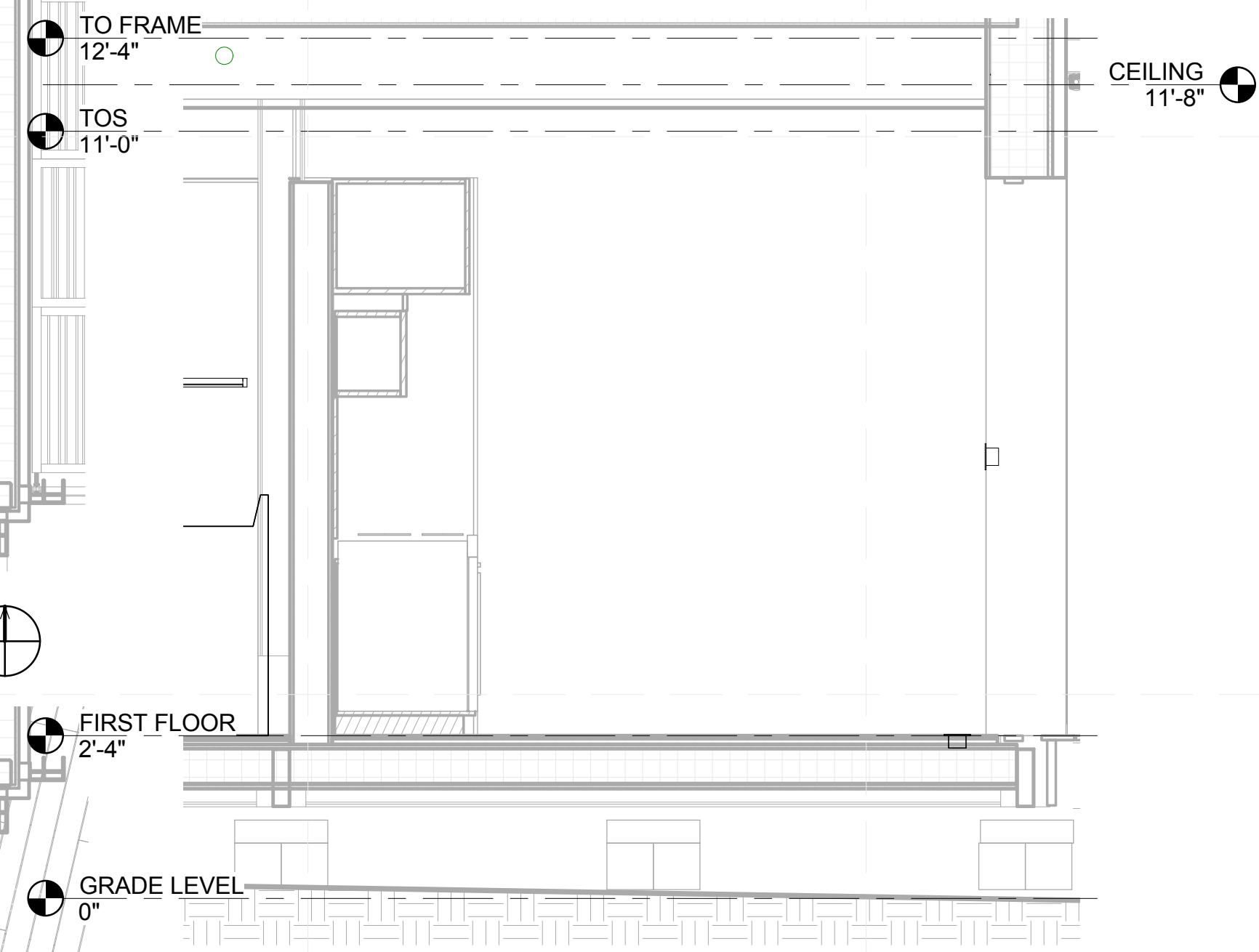
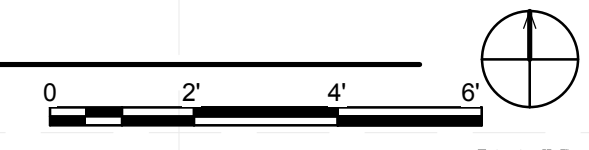
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SHEET TITLE
MECHANICAL SYMBOLS AND NOTES

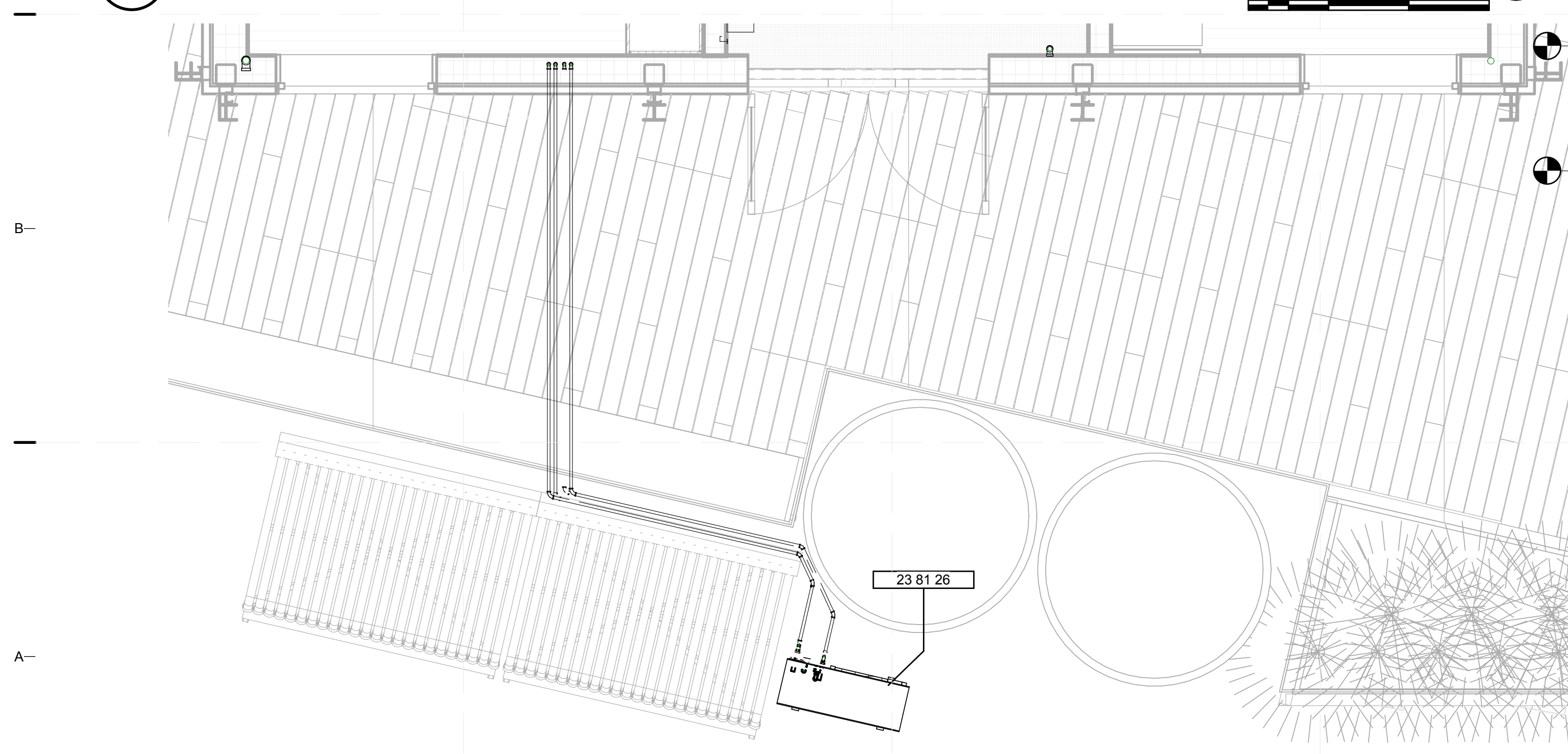
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M-001



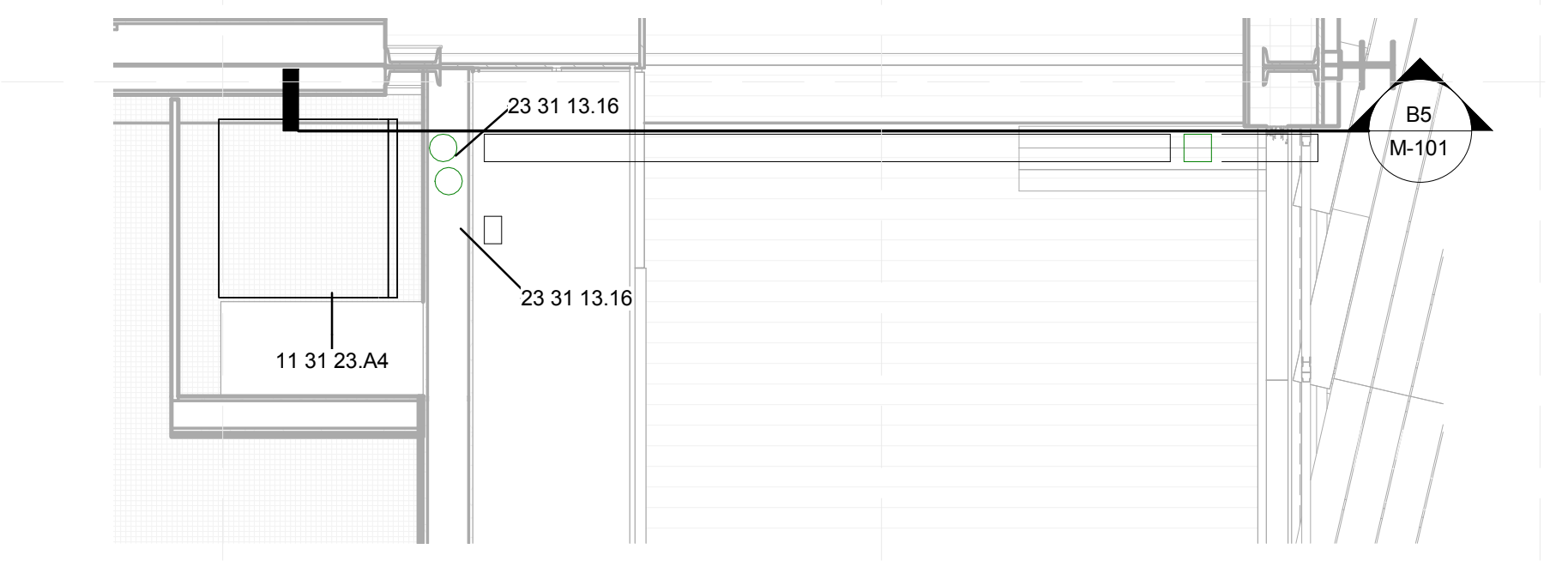
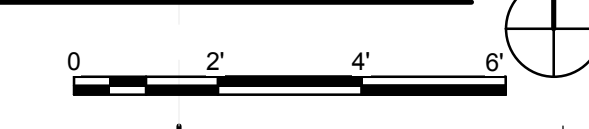
C1 MECHANICAL DISTRIBUTION CEILING PLAN
3/8" = 1'-0"



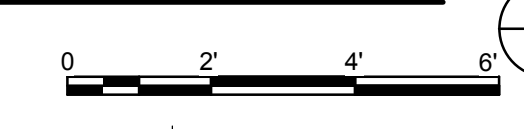
B5 RANGE HOOD EXHAUST SECTION
1/2" = 1'-0"



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



A5 RANGE HOOD EXHAUST
1/2" = 1'-0"



GENERAL SHEET NOTES

1. FLUID: R-410A

REFERENCE KEYNOTES

- 11 31 23.A4 WASHER/DRYER COMBO BY ARISTON
- 22 11 16 DOMESTIC WATER PIPING
- 22 14 13 FACILITY STORM DRAINAGE PIPING
- 23 31 13.16 ROUND AND FLAT-OVAL SPIRAL DUCTS
- 23 34 23 HVAC POWER VENTILATORS
- 23 81 26 SPLIT SYSTEM AIR CONDITIONERS



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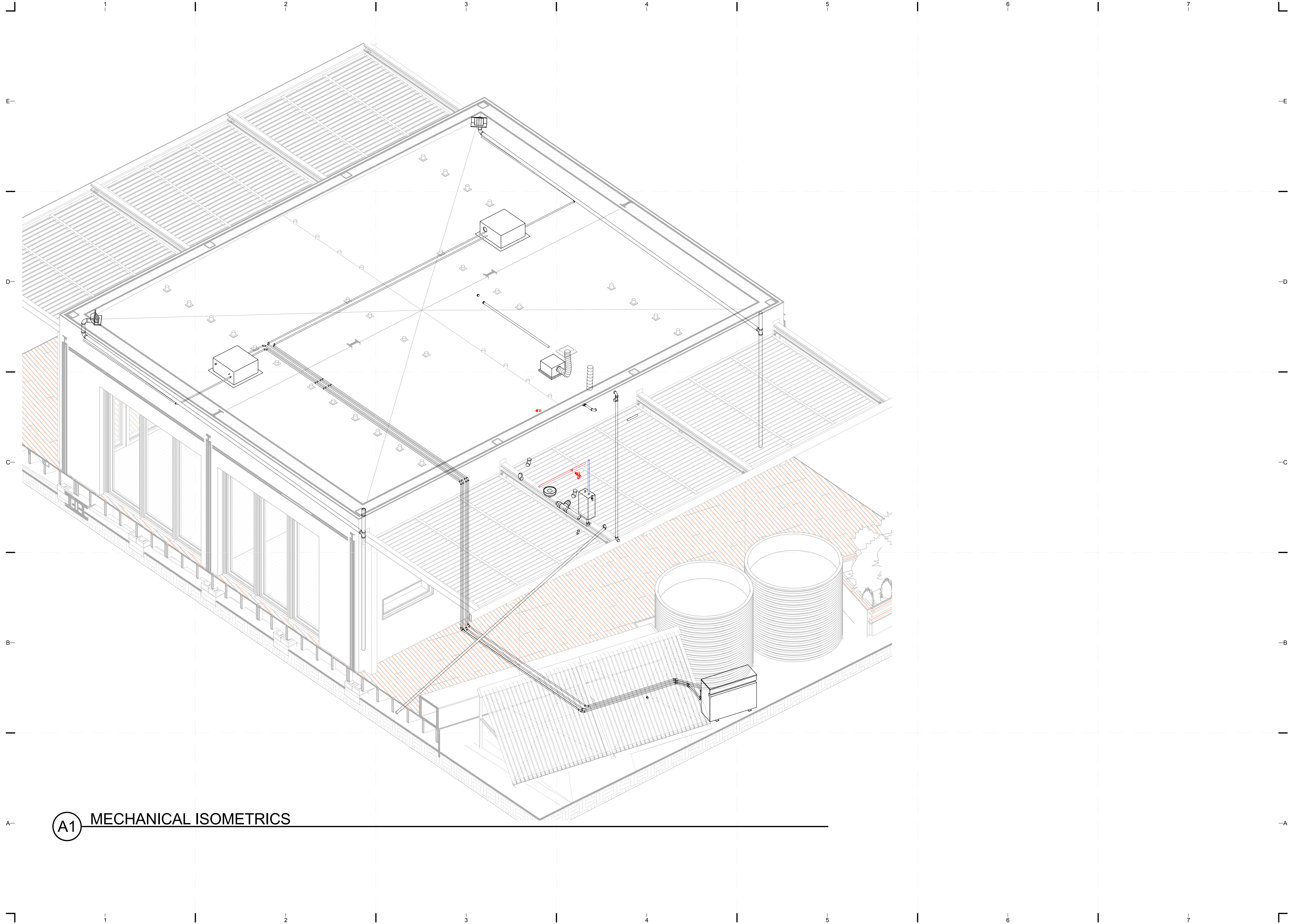
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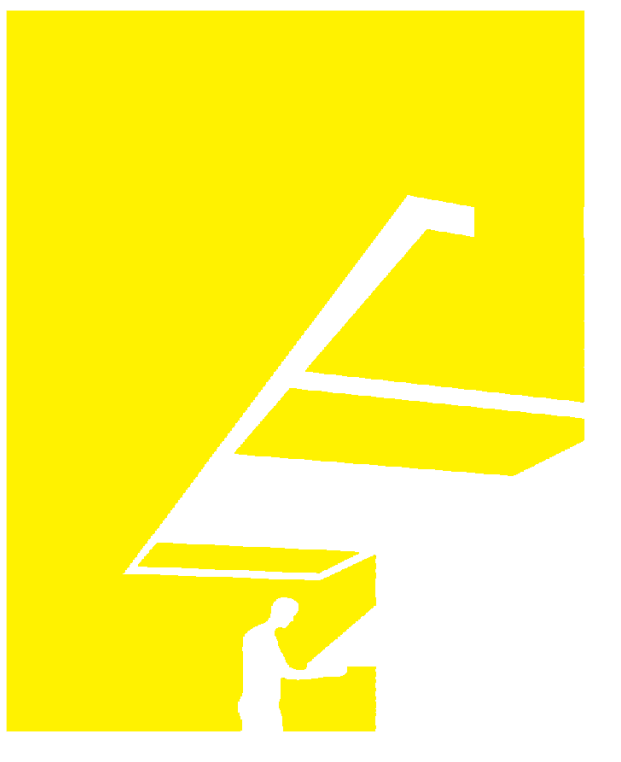
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SHEET TITLE
HVAC EQUIPMENT AND DISTRIBUTION PLAN
 SHEET NUMBER
M-101



A1 MECHANICAL ISOMETRICS



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HVAC ISOMETRICS

SHEET NUMBER
M-901

PROJECT ELECTRICAL NOTES

GENERAL

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES, INCLUDING THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
- SHOULD ANY CONFLICTS EXIST WITHIN THE DRAWINGS, NOTES, OR SPECIFICATIONS, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH WORK.
- NO SITE EXCAVATION IS PERMITTED EXCEPT FOR INSTALLATION OF ELECTRODE GROUNDING RODS AS PER US DEPARTMENT OF ENERGY BUILDING CODE.
- REFER TO COMMUNICATIONS DRAWINGS FOR PHONE AND DATA LOCATIONS. PROVIDE OUTLET BOX AND CONDUIT WITH NYLON PULL STRING. WIRING BY ORGANIZERS
- PROVIDE MEANS "TO FURNISH AND INSTALL".
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORKERS WITH PROPER SAFETY EQUIPMENT AND MAINTAINING A CLEAN WORK ENVIRONMENT IN COMPLIANCE WITH OSHA STANDARDS.
- ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMAN LIKE MANNER AND IN ACCORDANCE WITH THE BUILDING OWNER'S STANDARDS. ALL CONDUIT RUNS, WHERE EXPOSED, SHALL BE RUN IN STRAIGHT LINES PARALLEL AND/OR PERPENDICULAR TO BUILDING CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, FOR ENGINEERS' REVIEW, OF ALL EQUIPMENT AND MATERIAL FURNISHED.
- ALL MATERIAL AND DEVICES SHALL BE NEW AND BEAR THE MARK OF APPROVAL OF UNDERWRITER'S LABORATORIES (UL LISTED).
- SCOPE OF WORK
ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THE PROPER INSTALLATION AND SUPPORT OF ELECTRICAL EQUIPMENT. LAYOUTS SHALL BE MADE CAREFULLY IN ADVANCE TO COORDINATE WITH ALL OTHER TRADES.
- ELECTRICAL CONTRACTOR SHALL ARRANGE ALL INSPECTIONS AND TESTS AND OBTAIN ALL CERTIFICATES, PERMITS, AND LICENSES REQUIRED BY THE LOCAL CODE ENFORCEMENT AGENCY.
- ELECTRICAL CONTRACTOR SHALL FIRESTOP ALL ELECTRICAL PENETRATIONS OF FIRE-RATED PARTITIONS (WALLS, FLOORS, OR CEILINGS) WITH AN APPROVED FIRESTOP SYSTEM RATED FOR THE APPLICATION. FIRESTOP SYSTEM SHALL BE UL-LISTED AND INSTALLED WITH STRICT COMPLIANCE TO THE MANUFACTURER'S INSTRUCTIONS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL HARDWARE, AS REQUIRED AND AS INDICATED, TO MOUNT AND SECURE ALL FIXTURES, DEVICES, CONDUIT, AND ANY OTHER MATERIAL FURNISHED.
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY LIGHTING AND POWER OUTLETS ADEQUATE FOR THE NEEDS OF ALL TRADES DURING CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL LIGHTING FIXTURES COMPLETE WITH LAMPS, BALLAST AND ALL REQUIRED MOUNTING HARDWARE. FIXTURES TO BE SUPPLIED BY OWNER.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHGEAR AS SHOWN ON DRAWINGS. WIRING DEVICES TO BE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUITS WHERE REQUIRED FOR CONTROL SYSTEMS SUCH AS HVAC THERMOSTATS, ENERGY MONITORING SYSTEMS, ETC.
- TRADE COORDINATION
COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF SERVICES, OUTLETS, AND CONTROLLERS WITH INSTALLER OF THE EQUIPMENT TO BE SERVED. OUTLETS SHOWN ON DRAWINGS ARE FOR ROUGH-IN PURPOSES ONLY. PROVIDE COMPLETE CONNECTIONS TO THE EQUIPMENT FROM OUTLET BOXES.
- FOR EXACT LOCATION OF ALL MECHANICAL, PLUMBING, FIRE PROTECTION, AND OWNER FURNISHED EQUIPMENT, REFER TO DRAWINGS OF THOSE TRADES AND COORDINATE ALL ELECTRICAL WORK WITH THOSE RESPECTIVE CONTRACTORS.
- JOB COMPLETION
ALL ELECTRICAL EQUIPMENT, DEVICES, AND RELATED ITEMS SHALL BE TESTED UPON COMPLETION OF PROJECT.
- ALL WORK PERFORMED AND EQUIPMENT INSTALLED SHALL BE GUARANTEED FREE OF DEFECTS FOR A PERIOD OF AT LEAST ONE (1) YEAR UPON COMPLETION. CONTRACTOR SHALL REPLACE OR REPAIR ANY DEFECTIVE ITEMS AT HIS OWN EXPENSE.
- MAINTAIN ACCURATE RECORDS OF ALL CHANGES MADE DURING CONSTRUCTION. PROVIDE A NEATLY MARKED SET OF AS-BUILTS DRAWINGS TO OWNER/ENGINEER AT COMPLETION OF PROJECT INCLUDING ALL FIELD CHANGES.
- WIRING METHODS
ALL ELECTRICAL SYSTEMS SHALL BE GROUNDED AND SIZED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE; A GREEN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INCLUDED IN ALL RACEWAYS.
- ALL CONDUIT AND WIRE SHALL BE SIZED IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRIC CODE.
- ALL WIRE SHALL BE COPPER.
- ALL ELECTRICAL EQUIPMENT SHALL BE LISTED FOR PURPOSE OF USE. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
- ALL ELECTRICAL JUNCTION BOXES SHALL BE INSTALLED IN LOCATIONS THAT ARE ACCESSIBLE.

- ALL CONDUITS AND CABLES SHALL BE SECURELY SUPPORTED TO THE BUILDING STRUCTURE.
- INCREASE BRANCH CIRCUIT CONDUCTORS TO ACCOMMODATE FOR VOLTAGE DROP. VOLTAGE DROP NOT TO EXCEED THE RECOMMENDED LEVELS AS STATED IN THE NATIONAL ELECTRIC CODE.
- UNLESS OTHERWISE NOTED ON PLANS, ALL DEVICE ELEVATIONS REFER TO THE CENTER OF BOX. RECEPTACLES 18" AFF; WALL SWITCHES 48" AFF

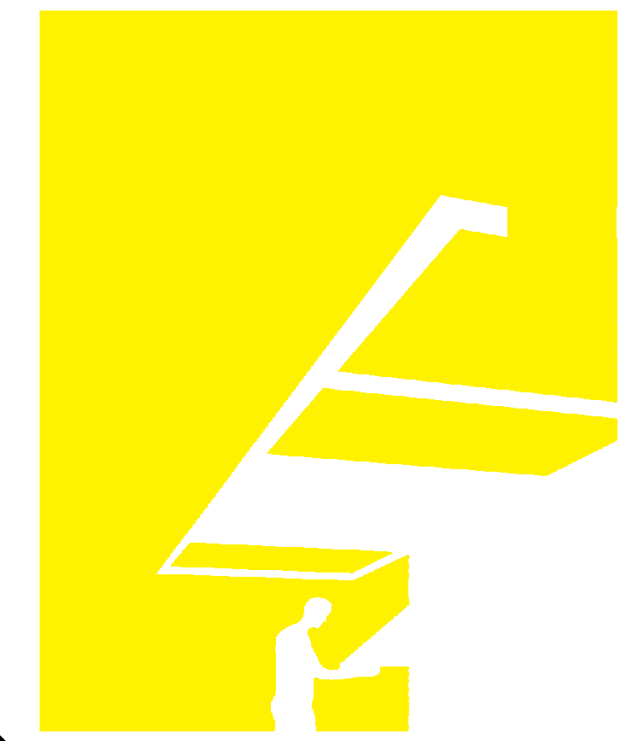


ELECTRICAL SYMBOLS

\$	Switch, Single Pole
\$D	Dimming Switch, Single Pole
\$N	Non-Dimming Switch
\$A	Switch, Auxiliary
⊕	Duplex Receptacle
⊕	Duplex Receptacle, Switched
⊕	Quadruplex Receptacle
⊕	240V Receptacle
⊕	GFCI Receptacle
⊕W/P	GFCI Receptacle, Weatherproof Cover
⊕	GFCI Receptacle, Flush Floorbox
⊕	Junction Box
⊕OS	Occupancy Sensor, Ceiling Mounted
⊕?	Smoke Detector
⊕T	Thermostat
▽	Data Outlet
▽	Telephone Outlet
▽	Tele-Data Outlet
⊕	Photocell
⊕TC	Time Clock
⊕	Motor
⊕	Disconnect Switch

ABBREVIATION	FULL SPELLING
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
CB	CIRCUIT BREAKER
CFL	COMPACT FLUORESCENT LIGHT
C	CONDUIT
DC	DIRECT CURRENT
EC	ELECTRICAL CONTACTOR
EGC	EQUIPMENT GROUND CONDUCTOR
EMT	ELECTRICAL METALLIC CONDUIT
EW/H	ELECTRIC WATER HEATER
FMC	FLEXIBLE METALLIC CONDUIT
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
LED	LIGHT EMITTING DIODE
MCB	MAIN CIRCUIT BREAKER
NEC	NATIONAL ELECTRIC CODE
RECP/T	RECEPTACLE
TYP	TYPICAL
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
V	VOLT
VA	VOLT-AMPERE
W	WATT
WP	WEATHERPROOF

ELECTRICAL DRAWING INDEX	
SHEET NO.	SHEET NAME
E-001	ELECTRICAL SYMBOLS & NOTES
E-101	LIGHTING PLAN
E-102	POWER PLAN
E-103	ROOF ELECTRICAL PLAN
E-201	ELECTRICAL ELEVATIONS
E-501	DETAILS
E-601	ONE-LINE DIAGRAM
E-602	THREE-LINE DIAGRAM
E-603	PANEL SCHEDULES
E-800	COMMUNICATIONS PLAN
E-801	SOLAR PANEL FOOTINGS



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SHEET TITLE
ELECTRICAL SYMBOLS & NOTES
 SHEET NUMBER
E-001

LIGHTING FIXTURE SCHEDULE										
Count	Type	Manufacturer	Description	Catalog Number	Mounting	LAMP	Wattage	Location	Mounting Height	Keynote
17	A	HALO	6" CEILING RECESSED DOWNLIGHT, REFLECTOR TRIM WHITE	H750T - ML708840CAT120D - 4945C06	CEILING RECESSED	4000K LED	15 W	INTERIOR	9" AFF	26 51 13.A0
2	A1	HALO	4" CEILING RECESSED DOWNLIGHT, REFLECTOR TRIM WHITE	H455T - EL405840 - TL400SC	CEILING RECESSED	4000K LED	15 W	INTERIOR	9" AFF	26 51 13.A1
1	B	CB2	PULLEY PENDANT LAMP	SKU 652341	PENDANT	VIRIBRIGHT E26 LED	5 W	DINING ROOM	66" AFF	26 51 13.A2
1	C	METALUX	48" STRIP LIGHT, NO BALLAST	P410-232-PLUNV-EB81-U	SURFACE	(2) VIRIBRIGHT 4" T8 LED	20 W	MECHANICAL ROOM	10" AFF	26 51 13.A3
19	E	MALIBU	LANDSCAPE LIGHTING	TBD	IN-GROUND	LSG MR16	5 W	BATHROOM	N/A	26 56 33.A1
1	F	IKEA	GODMORGON VANITY LIGHT	301.931.73	SURFACE	T5 8W MAX	8 W	BATHROOM	6" 4" AFF	26 51 13.A4
1	H	IKEA	KOMPLEMENT LED LIGHT STRIP	501.638.48	SURFACE	INTERNAL LED	2.8 W	LAUNDRY ROOM	48" AFF	26 51 13.A5
5	J	IKEA	LEDBERG LED LIGHT STRIP	501.920.73	SURFACE	INTERNAL LED, 3000K	6 W	INTERIOR	UNDER CABINETS	26 51 13.A6

LIGHTING SWITCH SCHEDULE				
Count	Type	Manufacturer	Model	Keynote
8	DIMMING	HAI	35A00-1	26 09 23.A1
1	HOUSE STATUS	HAI	38A00-2	26 09 23.A5
2	LUMINA MODE	HAI	38A00-3	26 09 23.A6
5	NON-DIMMING	HAI	35A00-3	26 09 23.A2
1	OCCUPANCY SENSOR	LEVITON	ODC0S-11W	26 09 23.A7
1	SCENE	HAI	38A00-1	26 09 23.A4
1	SINGLE POLE	LEVITON	5614-2W	26 09 23.A0

GENERAL SHEET NOTES

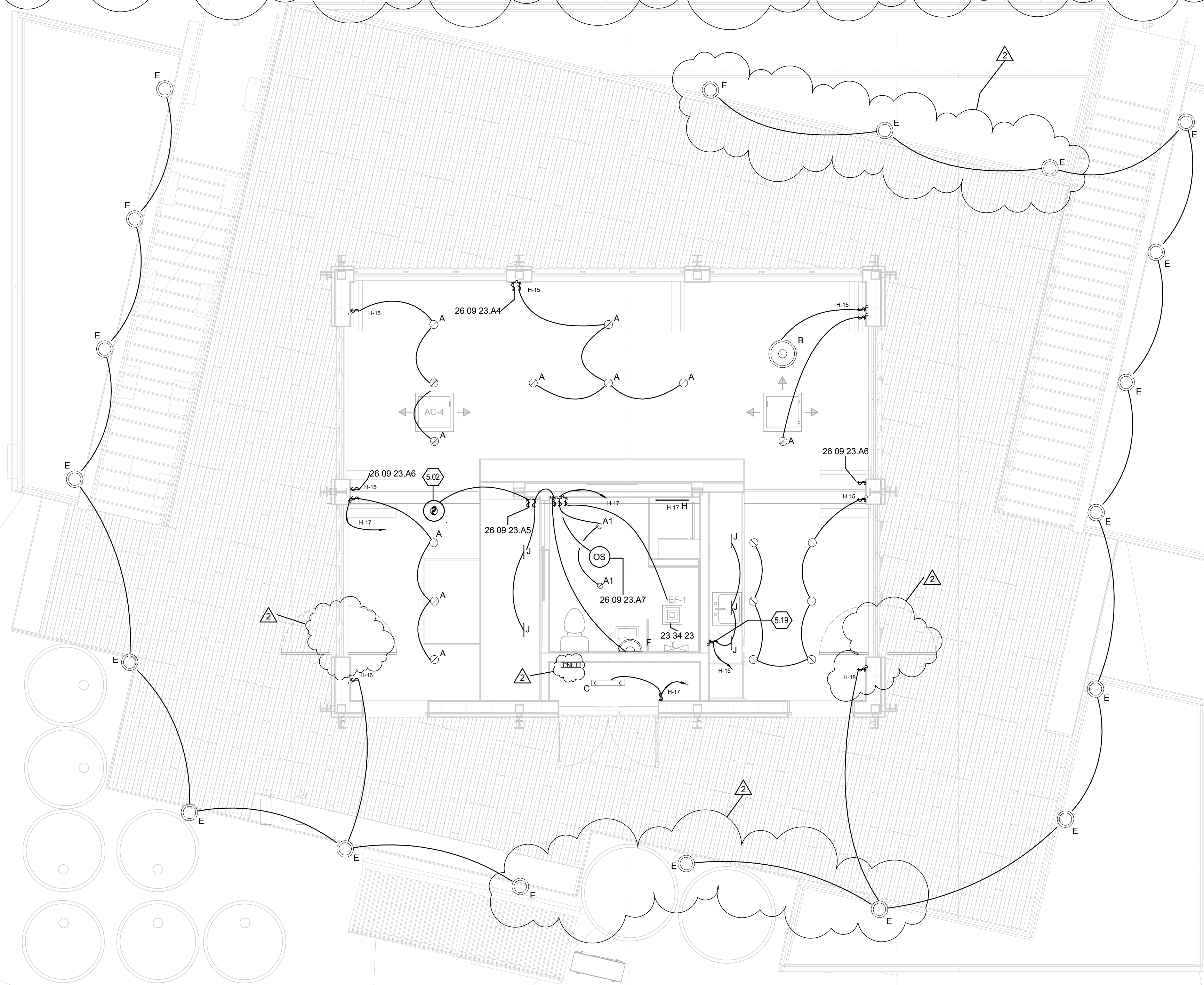
- REFER TO LIGHTING FIXTURE SCHEDULE FOR MOUNTING HEIGHTS
- ALL WALL SWITCHES TO BE MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED
- ALL WIRING DEVICES AND FACEPLATES TO BE WHITE

REFERENCE KEYNOTES

- | | |
|-------------|----------------------------------|
| 23 34 23 | HVAC POWER VENTILATORS |
| 26 09 23.A4 | SCENE SWITCH BY HAI |
| 26 09 23.A5 | HOUSE STATUS SWITCH BY HAI |
| 26 09 23.A6 | LUMINA MODE SWITCH BY HAI |
| 26 09 23.A7 | CEILING MOUNTED OCCUPANCY SENSOR |

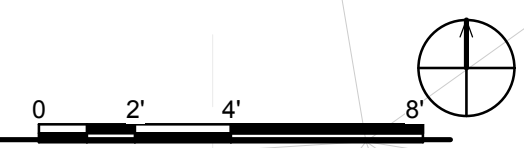
SHEET KEYNOTES

- | | |
|------|--|
| 5.02 | DUAL POWER - BATTERY & UNSWITCHED AC POWER |
| 5.19 | MOUNT ABOVE COUNTER. COORDINATE HEIGHT WITH CABINETRY. |



A1 ELECTRICAL LIGHTING PLAN

1/4" = 1'-0"



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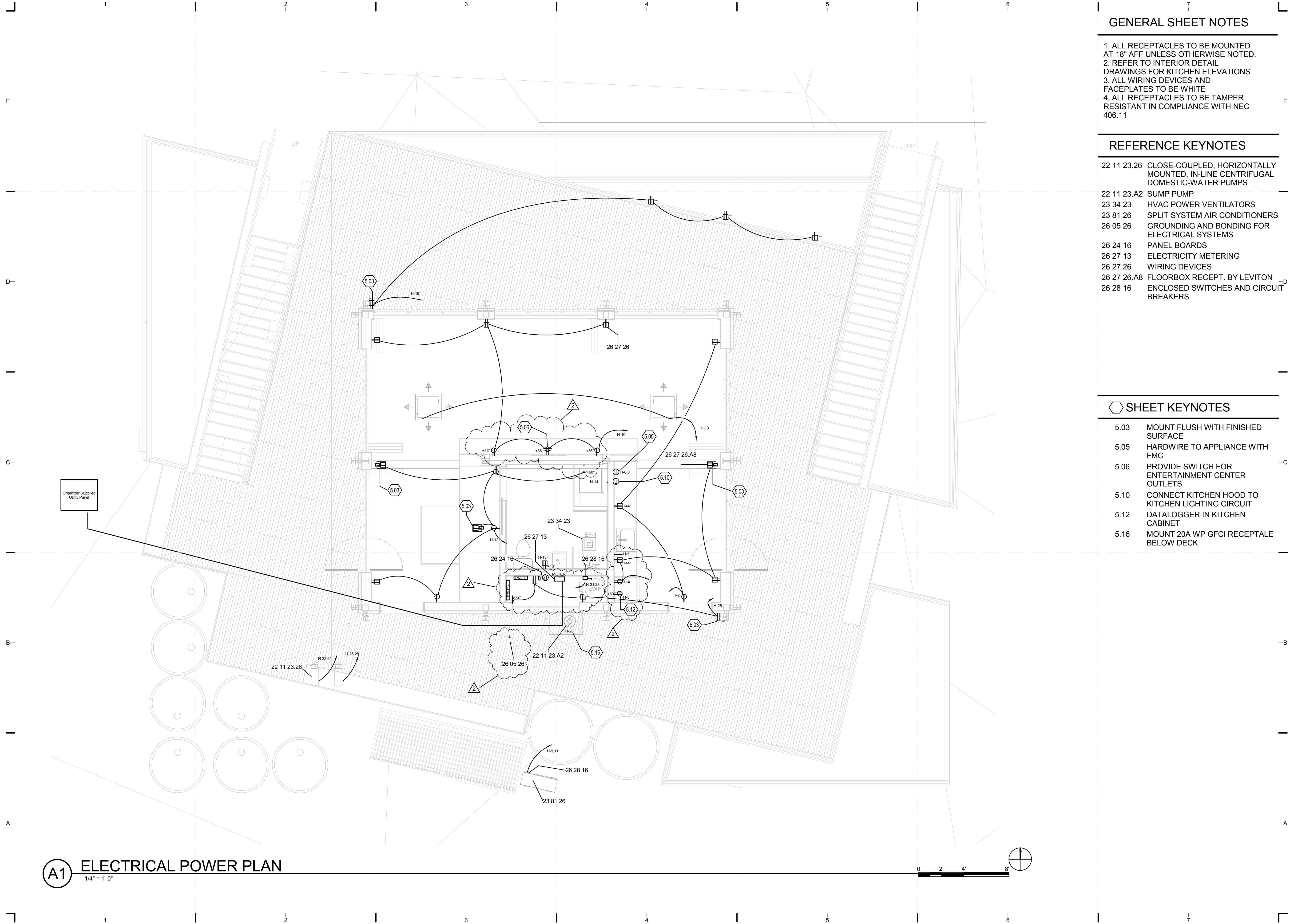
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SHEET TITLE

LIGHTING PLAN

SHEET NUMBER
E-101



GENERAL SHEET NOTES

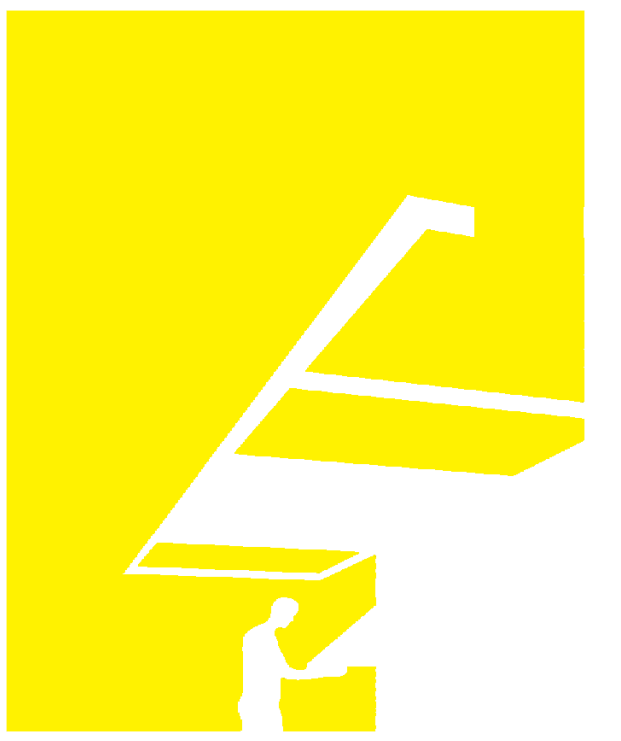
1. ALL RECEPTACLES TO BE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
2. REFER TO INTERIOR DETAIL DRAWINGS FOR KITCHEN ELEVATIONS
3. ALL WIRING DEVICES AND FACEPLATES TO BE WHITE
4. ALL RECEPTACLES TO BE TAMPER RESISTANT IN COMPLIANCE WITH NEC 406.11

REFERENCE KEYNOTES

- 22 11 23.26 CLOSE-COUPLED, HORIZONTALLY MOUNTED, IN-LINE CENTRIFUGAL DOMESTIC-WATER PUMPS
- 22 11 23.A2 SUMP PUMP
- 23 34 23 HVAC POWER VENTILATORS
- 23 81 26 SPLIT SYSTEM AIR CONDITIONERS
- 26 05 26 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
- 26 24 16 PANEL BOARDS
- 26 27 13 ELECTRICITY METERING
- 26 27 26 WIRING DEVICES
- 26 27 26.A8 FLOORBOX RECEPT. BY LEVITON
- 26 28 16 ENCLOSED SWITCHES AND CIRCUIT BREAKERS

SHEET KEYNOTES

- 5.03 MOUNT FLUSH WITH FINISHED SURFACE
- 5.05 HARDWIRE TO APPLIANCE WITH FMC
- 5.06 PROVIDE SWITCH FOR ENTERTAINMENT CENTER OUTLETS
- 5.10 CONNECT KITCHEN HOOD TO KITCHEN LIGHTING CIRCUIT
- 5.12 DATALOGGER IN KITCHEN CABINET
- 5.16 MOUNT 20A WP GFCI RECEPTALE BELOW DECK



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POWER PLAN

SHEET NUMBER
E-102

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



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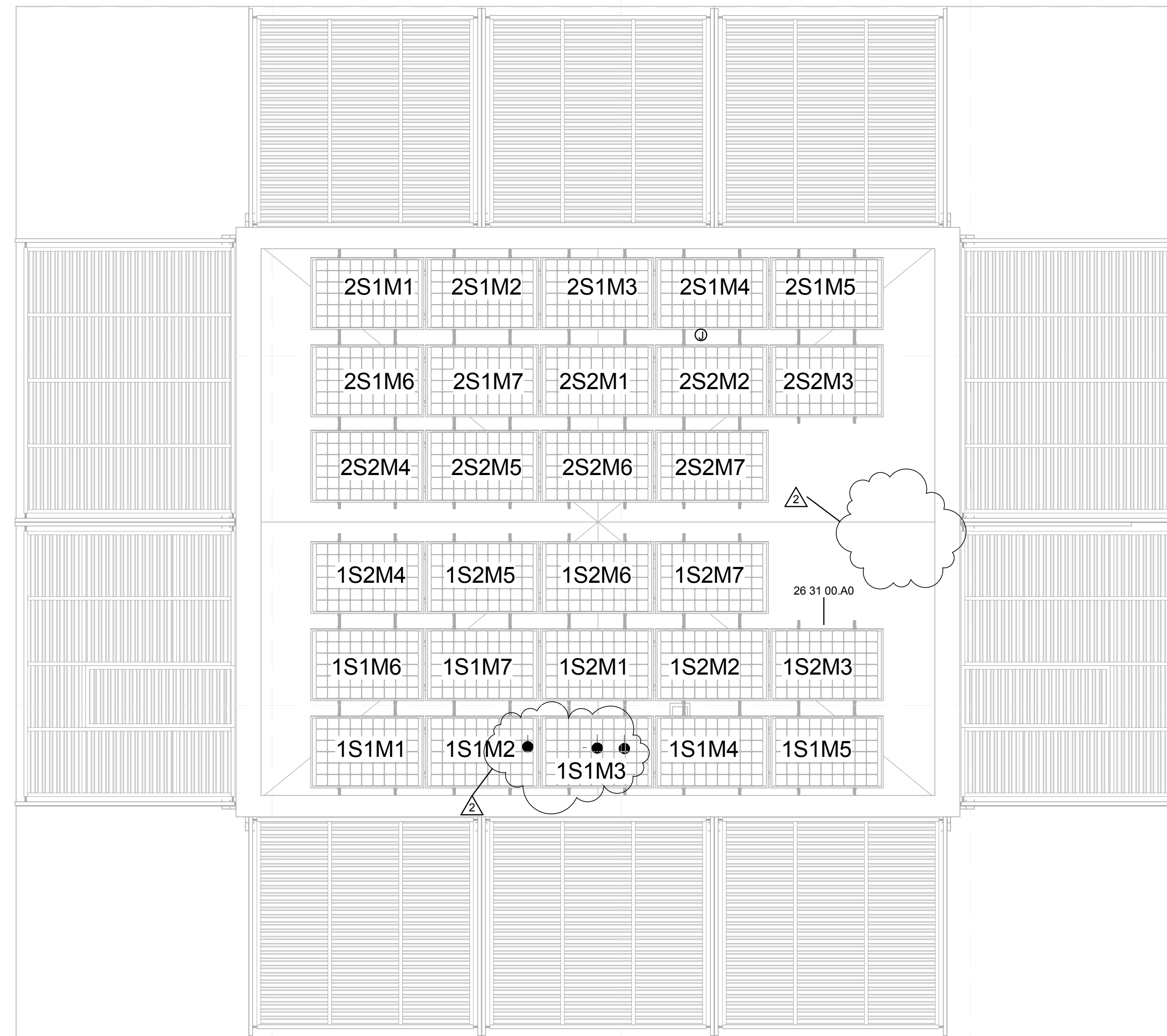
GENERAL SHEET NOTES

1. COORDINATE ROUTING WITH PV ARRAY FRAME STRUCTURE
2. ALL ROOF PENETRATIONS TO BE PROPERLY SEALED TO PREVENT LEAKS. COORDINATE REPAIR WITH ROOFING CONTRACTOR
3. REFER TO TIGO CABLE INSTALLATION MANUAL FOR PV WIRING DETAILS

REFERENCE KEYNOTES

26 31 00.A0 SUNPOWER PV PANEL

SHEET KEYNOTES

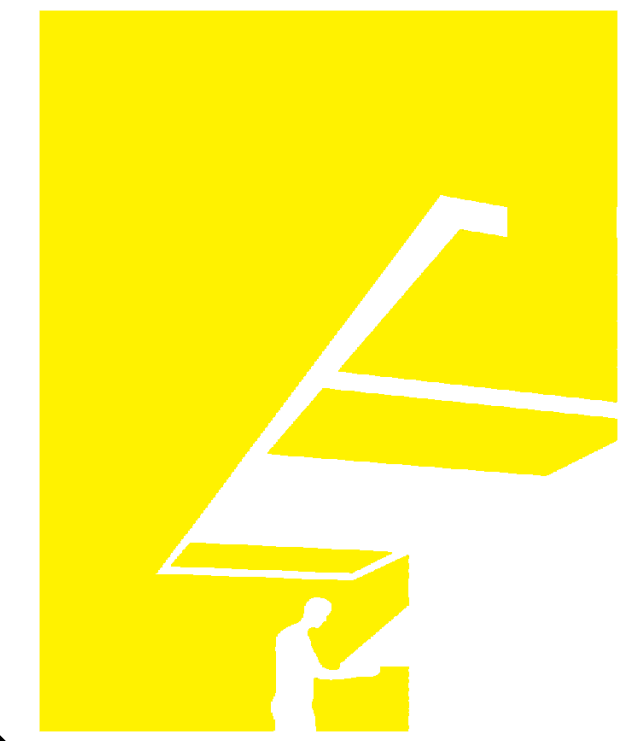
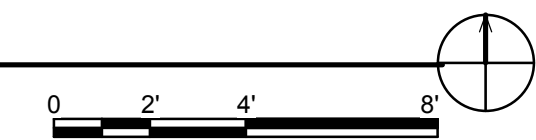


PV MODULES CIRCUITING CONVENTION

xSyMz

x: INVERTER # (1 or 2)
 y: STRING # (1 or 2)
 z: MODULE # (1-7)

Example. 2S2M4
 Inverter 2 String 2 Module 4



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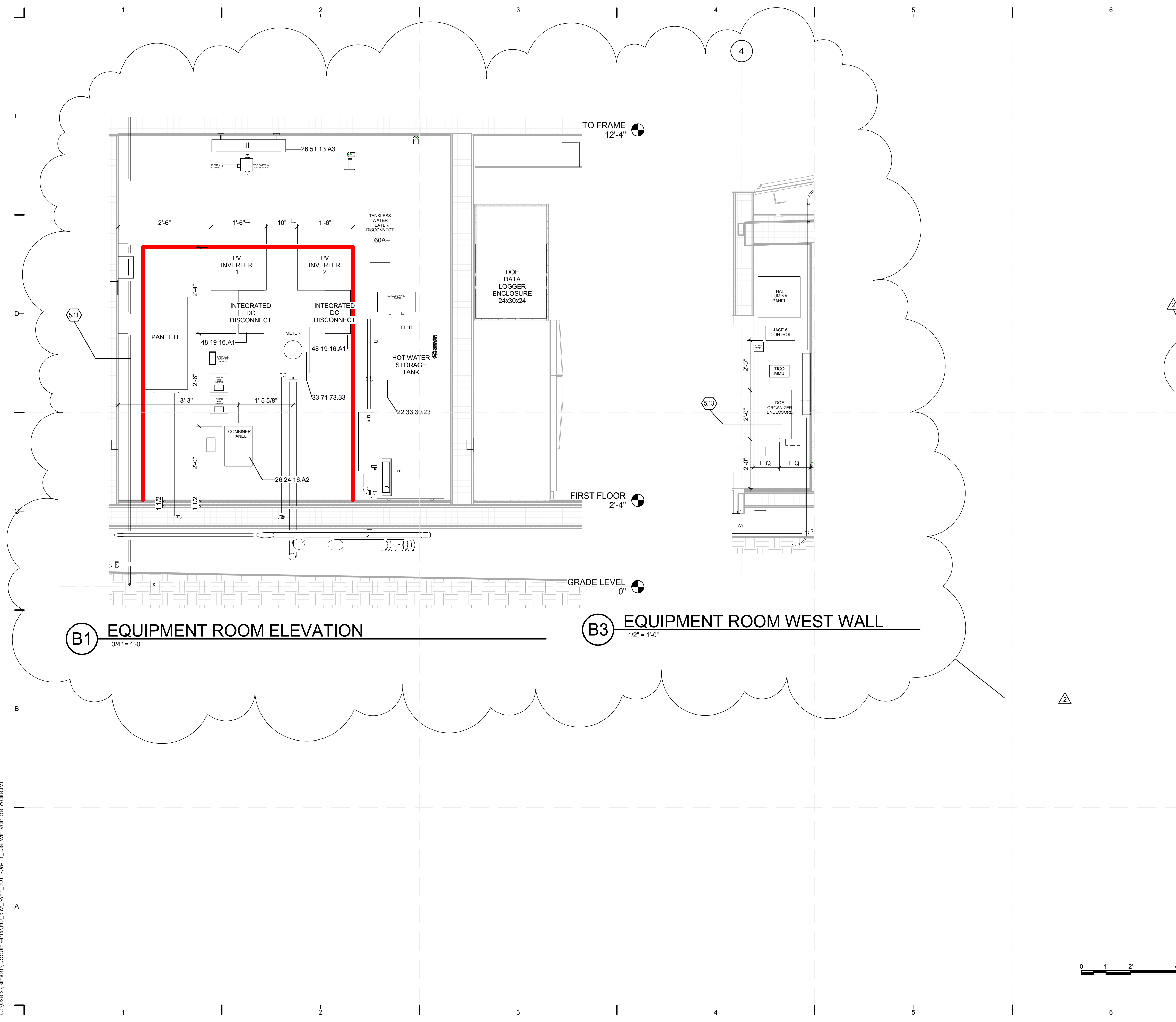
ROOF ELECTRICAL PLAN

SHEET NUMBER

E-103

(A1) ROOF ELECTRICAL PLAN

1/4" = 1'-0"



GENERAL SHEET NOTES

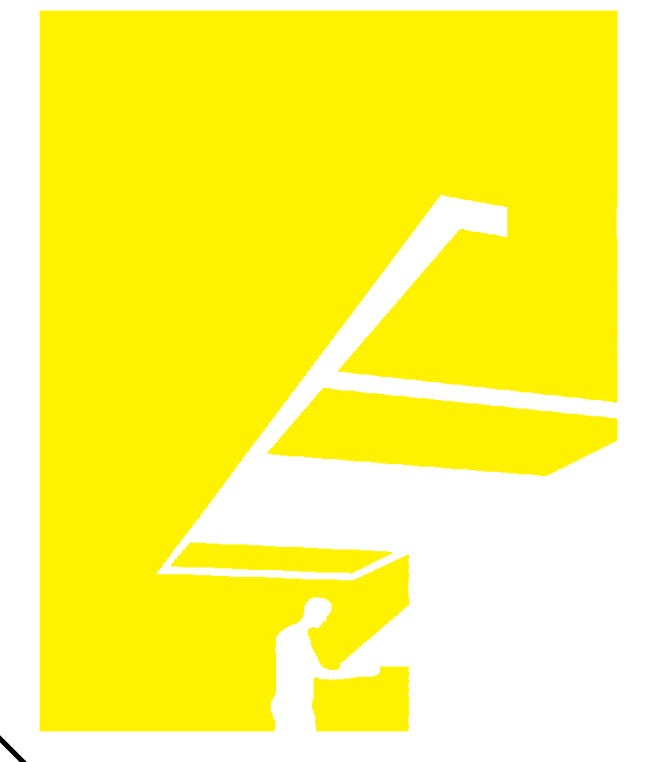
1. NOTES

REFERENCE KEYNOTES

21 13 13	WET-PIPE SPRINKLER SYSTEMS
22 11 16	DOMESTIC WATER PIPING
22 33 30.23	RESIDENTIAL, COLLECTOR-TO-TANK, SOLAR-ELECTRIC DOMESTIC WATER HEATERS
26 24 16.A2	100A COMBINER PANEL BY SQUARE D
26 51 13.A3	STRIP LIGHT BY METALUX
33 71 73.33	ELECTRIC METERS
48 19 16.A1	SB4000US INVERTER BY SUNNY BOY

SHEET KEYNOTES

- 5.11 PV GROUND WIRE IN EMT CONDUIT
- 5.13 INSTALLED BY ORGANIZERS



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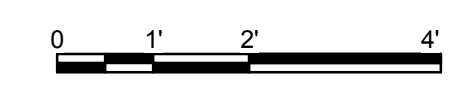
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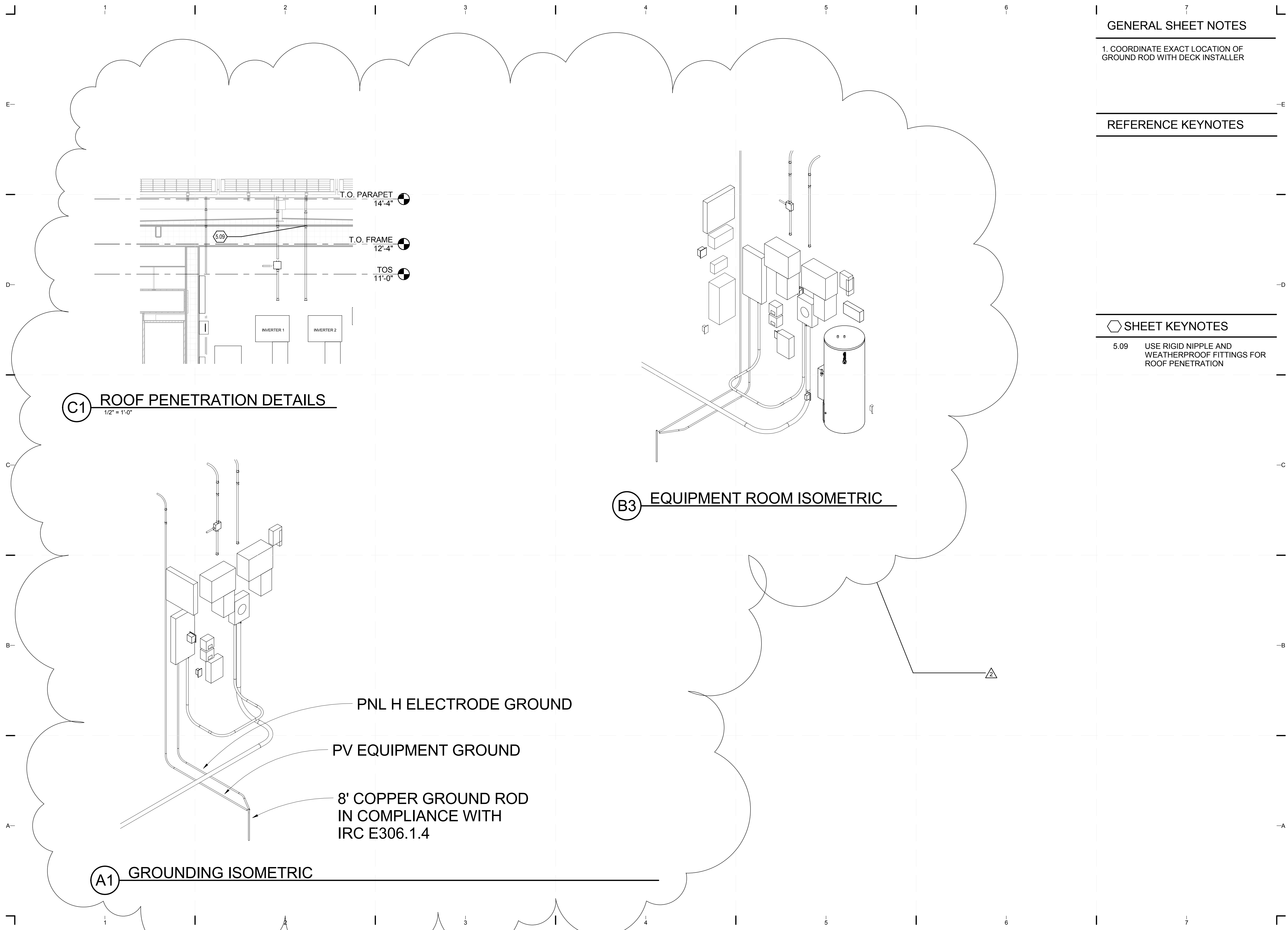
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SHEET TITLE
ELECTRICAL ELEVATIONS

SHEET NUMBER
E-201



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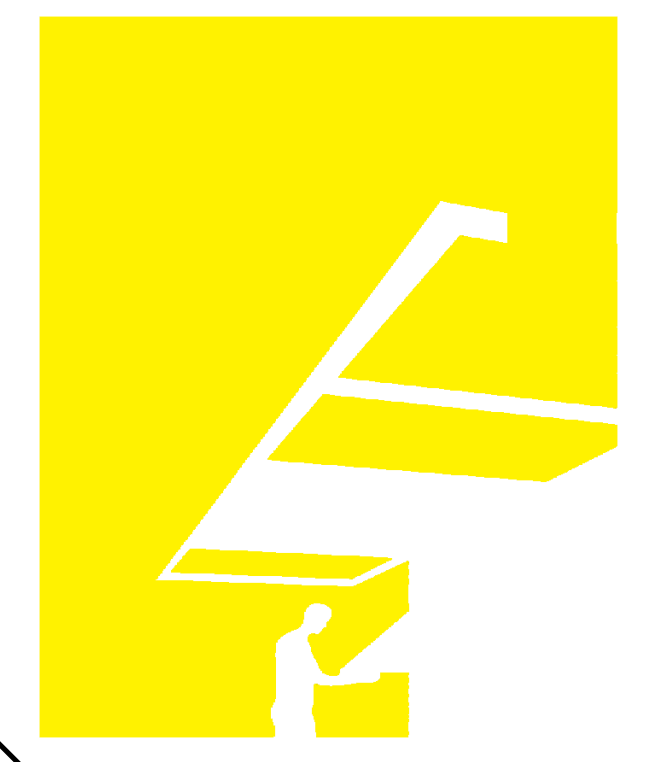
GENERAL SHEET NOTES

1. COORDINATE EXACT LOCATION OF GROUND ROD WITH DECK INSTALLER

REFERENCE KEYNOTES

SHEET KEYNOTES

5.09 USE RIGID NIPPLE AND WEATHERPROOF FITTINGS FOR ROOF PENETRATION



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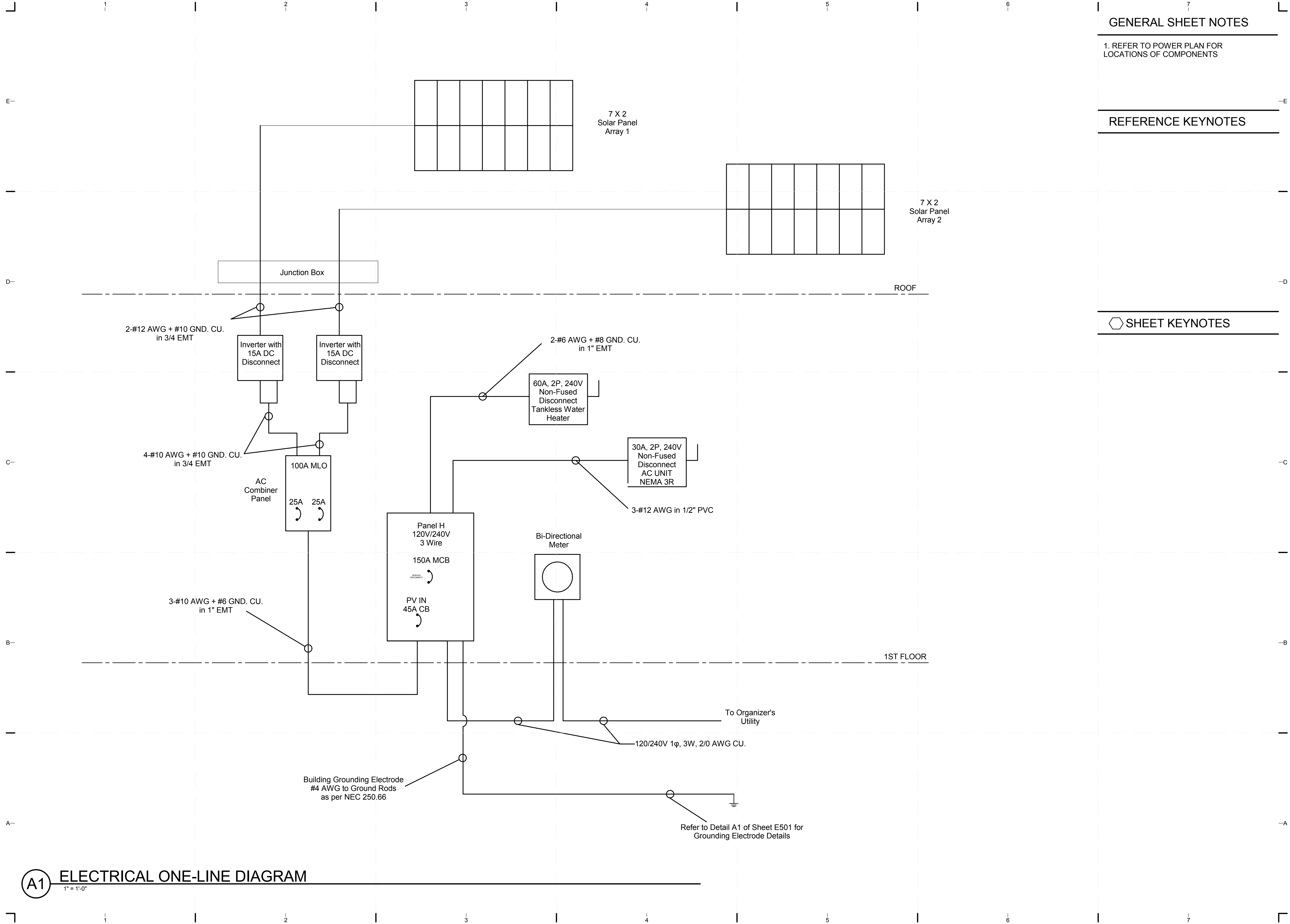
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SHEET TITLE
DETAILS

SHEET NUMBER
E-501

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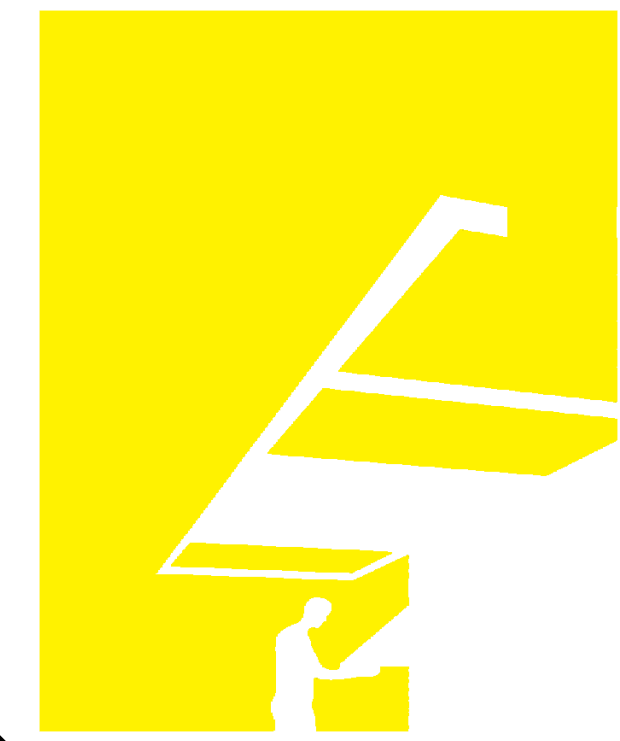


GENERAL SHEET NOTES

1. REFER TO POWER PLAN FOR LOCATIONS OF COMPONENTS

REFERENCE KEYNOTES

SHEET KEYNOTES



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SHEET TITLE
ONE-LINE DIAGRAM
SHEET NUMBER
E-601

A1 ELECTRICAL ONE-LINE DIAGRAM
 1" = 1'-0"

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PV CALCULATIONS

NEC 690.7 MAX CIRCUIT VOLTAGE

Voc = 64.8V @ 25 C (77 F, 298.15 K)
 Voltage @ -7.2 C (19 F, 265.93 K) [Lowest Expected Temperature]
 Manufacturer's Temperature Coefficient: 0.1766V/K
 = 64.8 + [0.1776 * (298.15-265.93)] = 70.52V

Series String Voltage: 7 * 70.52 = 493.66V (Max 600V)

NEC 690.8 MAX CIRCUIT CURRENT

DC String I_{max} = I_{sc} * 1.25 [NEC 690.8 (A)(1)]
 = 6.24 * 1.25 = 7.80A

DC Overcurrent Protection Device:
 DC Fuse Rating > I_{max} * 1.25 = 15A DC Fuse [NEC 240.4 (B)]

Inverter Max AC Output Current: 17A [Manufacturer's Specs] [NEC 690.8 (A)(3)]

AC Overcurrent Protection Device:
 Circuit Breaker Rating > 17 * 1.25 = 21.25A : 25A Circuit Breaker [NEC 240.4 (B)]

PV EQUIPMENT SPECS

SUNPOWER 320W PANEL
 V_{mp}: 54.7V
 I_{mp}: 5.86A
 Voc: 64.8V
 Isc: 6.24A

SUNNYBOY SB4000 INVERTER
 Max DC Current Input: 18A
 AC Max Current Output: 17A

CONDUCTOR SIZING [NEC 690.8 (B)(1)]

DC PV OUTPUT IN FREE AIR (TIGO CABLE)
 = 9.75/(0.41) = 23.78A
 0.41 : 160 F Temperature Correction Factor [NEC Table 310.17]
 #12 AWG Rated 40A @ 90 C

DC PV OUTPUT IN EMT PIPE (EXTERIOR/INTERIOR)
 = 9.75/(0.80*0.41) = 29.73A
 0.80 : 4 Current Carrying Conductors [NEC 310.15 (B)(2)]
 0.41 : 160 F Temperature Correction Factor [NEC Table 310.16]
 Exposed to Sunlight Adder Considered [NEC Table 310.15 (B)(2)(c)]
 #12 AWG Rated 30A @ 90 C

INVERTER AC OUTPUT CIRCUIT
 = 21.25A
 #10 AWG Rated 35A @ 75 C [NEC TABLE 310.16, 240.4 (D)]

AC COMBINER PANEL OUTPUT CIRCUIT
 = (17A + 17A) * 1.25 = 42.5A : 45A Overcurrent Device [NEC 240.4 (B)]
 CONDUCTOR SIZING: (45A+50A)/1.20 = 79.2A [NEC 690.64 (B)]
 #4 AWG Rated 85A @ 75 C [NEC TABLE 310.16]

VOLTAGE DROP CALCULATIONS

$$L = (VD * cmil) / (2 * k * I)$$

L = Max Length Not Exceeding 3% Drop
 VD = Voltage Drop
 cmil = Circular Mills of Wire
 k = 12.9 [Copper Constant]
 I = max current

DC: L = ((493.66 * 0.03) * 6530) / (2 * 12.9 * 7.80) = 481ft
 AC: L = ((240 * 0.03) * 16510) / (2 * 12.9 * 34) = 136ft

690.45 SIZE OF EQUIPMENT GROUNDING CONDUCTORS

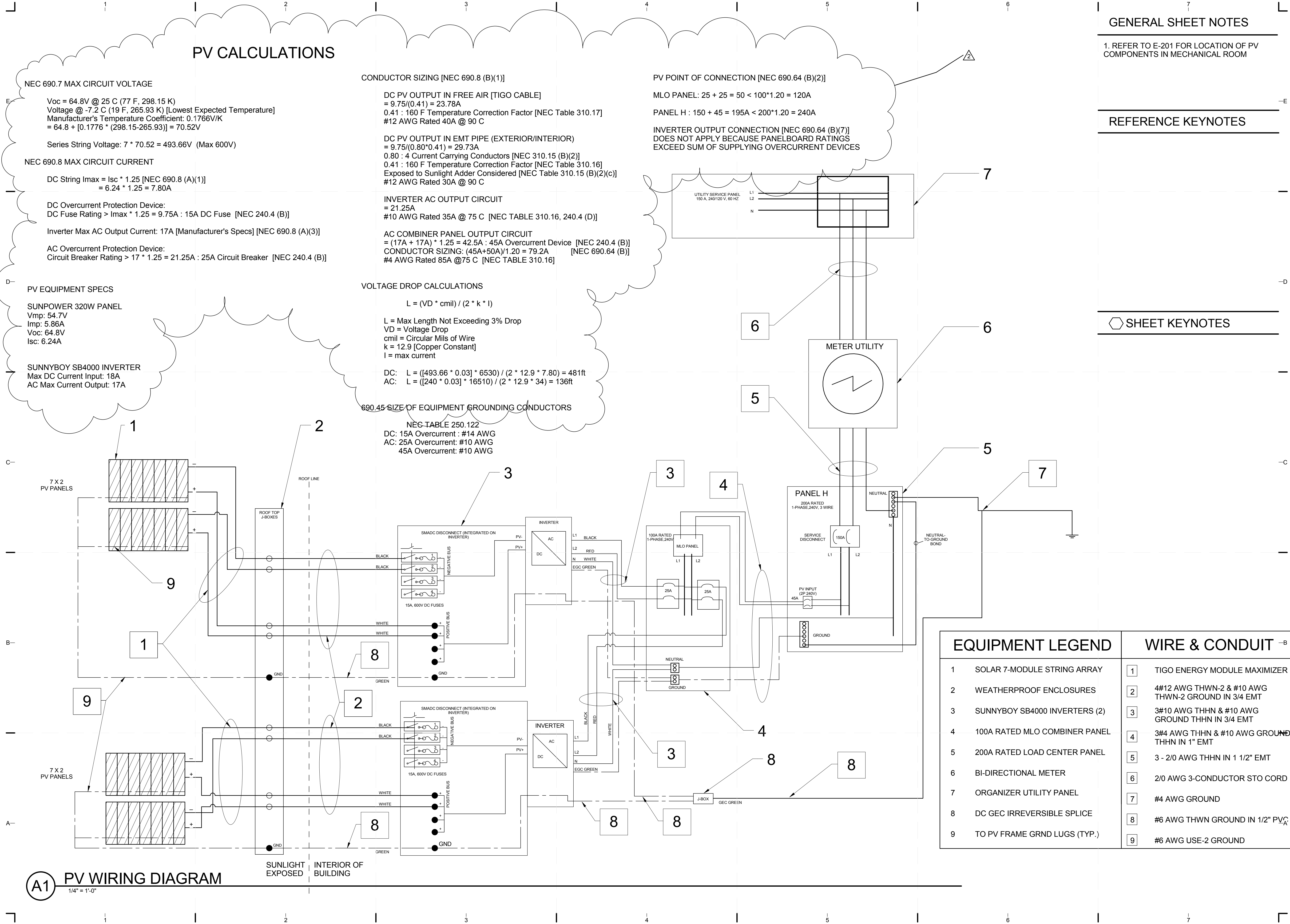
NEC TABLE 250.122
 DC: 15A Overcurrent : #14 AWG
 AC: 25A Overcurrent: #10 AWG
 45A Overcurrent: #10 AWG

PV POINT OF CONNECTION [NEC 690.64 (B)(2)]

MLO PANEL: 25 + 25 = 50 < 100*1.20 = 120A

PANEL H : 150 + 45 = 195A < 200*1.20 = 240A

INVERTER OUTPUT CONNECTION [NEC 690.64 (B)(7)]
 DOES NOT APPLY BECAUSE PANELBOARD RATINGS
 EXCEED SUM OF SUPPLYING OVERCURRENT DEVICES



GENERAL SHEET NOTES

1. REFER TO E-201 FOR LOCATION OF PV COMPONENTS IN MECHANICAL ROOM

REFERENCE KEYNOTES

SHEET KEYNOTES

EQUIPMENT LEGEND

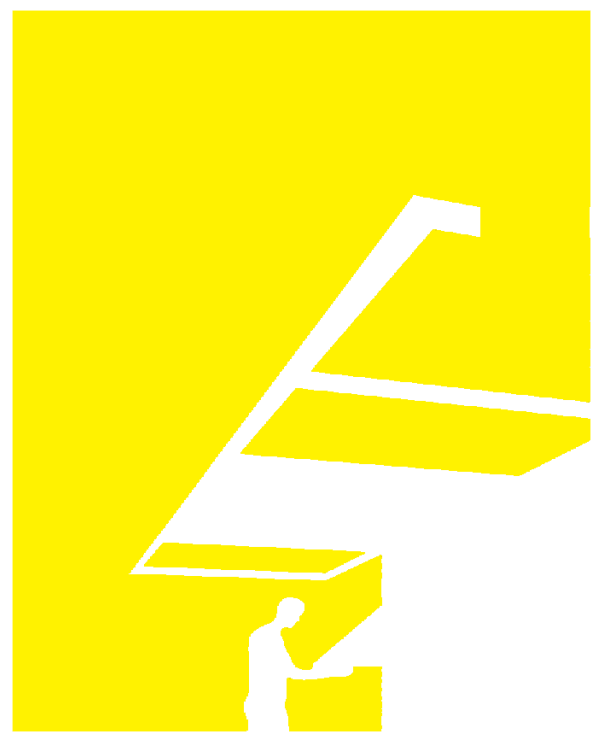
- 1 SOLAR 7-MODULE STRING ARRAY
- 2 WEATHERPROOF ENCLOSURES
- 3 SUNNYBOY SB4000 INVERTERS (2)
- 4 100A RATED MLO COMBINER PANEL
- 5 200A RATED LOAD CENTER PANEL
- 6 BI-DIRECTIONAL METER
- 7 ORGANIZER UTILITY PANEL
- 8 DC GEC IRREVERSIBLE SPLICE
- 9 TO PV FRAME GRND LUGS (TYP.)

WIRE & CONDUIT

- 1 TIGO ENERGY MODULE MAXIMIZER
- 2 #4/12 AWG THWN-2 & #10 AWG THWN-2 GROUND IN 3/4 EMT
- 3 #3/10 AWG THHN & #10 AWG GROUND THHN IN 3/4 EMT
- 4 #3/4 AWG THHN & #10 AWG GROUND THHN IN 1" EMT
- 5 3 - 2/0 AWG THHN IN 1 1/2" EMT
- 6 2/0 AWG 3-CONDUCTOR STO CORD
- 7 #4 AWG GROUND
- 8 #6 AWG THWN GROUND IN 1/2" PV
- 9 #6 AWG USE-2 GROUND

A1 PV WIRING DIAGRAM

1/4" = 1'-0"



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2	2011-07-06	COORDINATION

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SHEET TITLE

THREE-LINE DIAGRAM

SHEET NUMBER

E-602

GENERAL SHEET NOTES

1. REFER TO POWER PLAN FOR LOCATION OF PANELS

REFERENCE KEYNOTES

SHEET KEYNOTES



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PANEL SCHEDULES

SHEET NUMBER

E-603

Feeder Calculations [NEC 220.82 Optional Method]

General Loads [NEC 220.82 (B)]	VA
General Lighting / Recpt. 891 Sq. Ft * 3 VA/ft = 2673	
Small Appliance 2 (1500 VA) = 3000	
Laundry 1 (1500 VA) = 1500	
Dryer [NEC 220.54] 5000	
Electric Oven/Range 9800	
Refrigerator 192	
Dishwasher 1080	
Tankless Water Heater 12000	
Hot Water Supply Pump 1032	
Landscape Pumps 330	
TOTAL VA	36607

Demand Factors [NEC 220.82 (A)]

First 10000 VA at 100%	10000
Remainder at 40%	26607 * 0.40 = 10643
Total General Load VA	20643

Air Conditioning Load [NEC 220.82 (C)]

4800 VA at 100%	4800
TOTAL VA	25443
TOTAL VA/240	106 AMPS
Feeder Rating	150 AMPS

Minimum Feeder Wire Size 1 AWG NEC Table 310.15 (B)(6)
 Minimum Electrode Ground Wire Size 4 AWG NEC Table 250.66

NEUTRAL LOAD CALCULATION [NEC 220.61]

Permitted Reductions [NEC 220.61 (B)]

Air Conditioning	4800 * 0 = 0
Tankless Water Heater	12000 * 0 = 0
Supply Pump Hot Water	1030 * 0 = 0
Electric Oven/Range	4500 * 0.70 = 6830
Non Reduced Loads	8775
TOTAL VA	15635
TOTAL VA/240	65 AMPS

Minimum Feeder Neutral Size [NEC310.16] 6 AWG

MANUFACTURER: SQUARE D MOUNTING: SURFACE LOCATION: MECHANICAL ROOM MAIN: 150A AIC: 65k BUS RATING: 200A VOLTAGE: 120/240V, 1PH, 3W

PANEL H

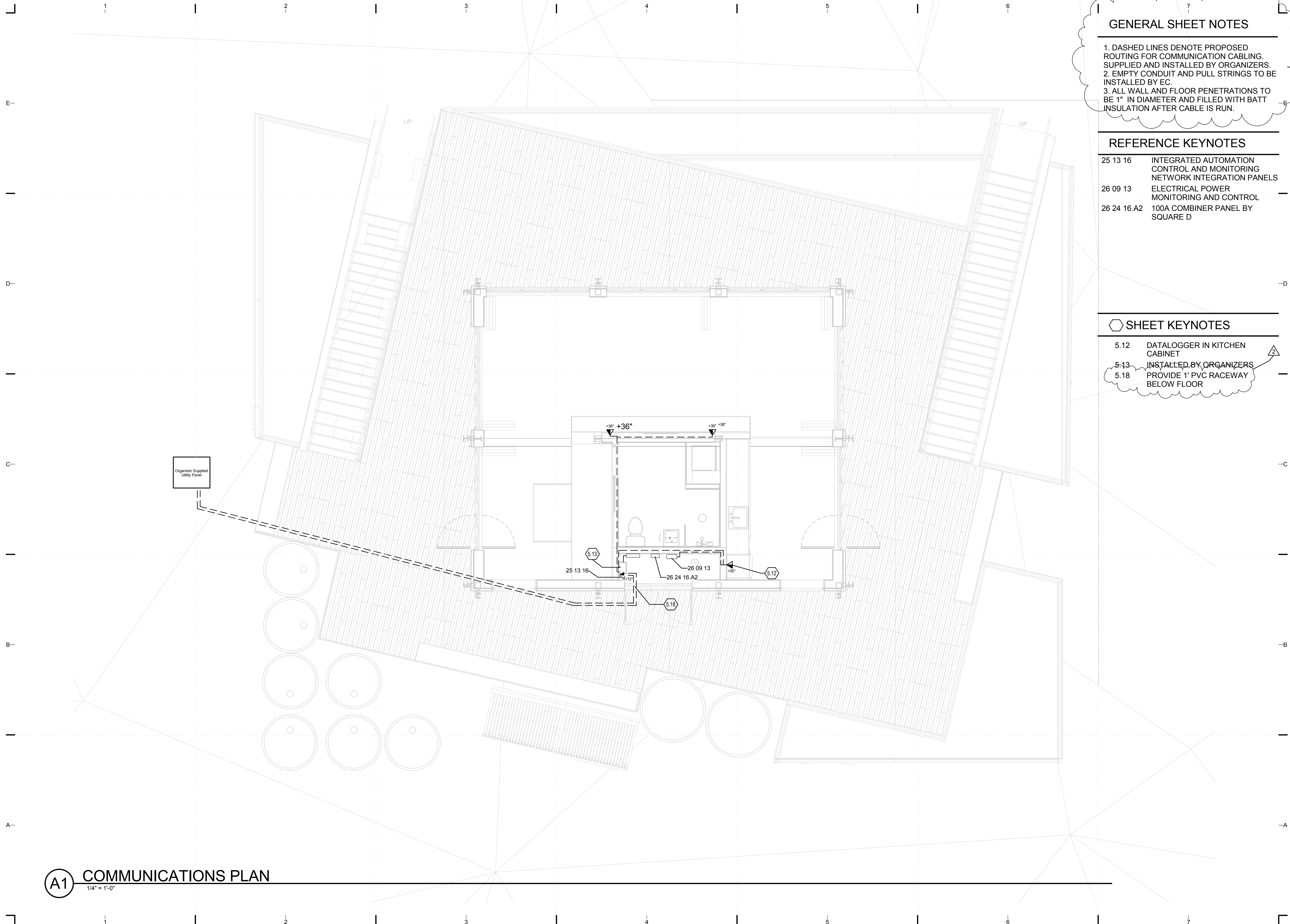
CKT. NO.	POLE/TRIP	KVA	DESCRIPTION	WIRING & CONDUIT	CKT. NO.	POLE/TRIP	KVA	DESCRIPTION	WIRING & CONDUIT
1	2	2.45	A/C CASSETTE	#12-2 MC	2	1/20	1.50	SMALL APPLIANCE RECEPTACLE	#12-2 MC
3	20				4	1/20	1.50	SMALL APPLIANCE RECEPTACLE	#12-2 MC
5	1/15	-	SPACE	-	6	2	9.80	ELECTRIC RANGE/OVEN	3#6, 1#10 GND 3/4" EMT
7	1/15	1.50	DISHWASHER	#14-2 MC	8	60			
9	2	2.35	CONDENSING UNIT	3#12 1/2" EMT	10 **	1/15	*	HOME ENTERTAINMENT RECEPTACLE	#12-2 MC
11	20				12 **	1/20	*	BEDROOM RECEPTACLES	#12-2 MC
13	1/20	*	BATHROOM GFCI RECEPTACLE	#12-2 MC	14	1/20	1.50	WASHER/DRYER	#12-2 MC
15 **	1/15	*	INTERIOR/KITCHEN LIGHTING	#14-2 MC	16	1/15	0.30	EXTERIOR LIGHTING	#14-2 MC
17 **	1/15	*	BED/BATH/ELEC. ROOM LIGHTING	#14-2 MC	18	1/15	0.60	EXTERIOR LIGHTING	#14-2 MC
19	1/15	0.33	IRRIGATION PUMPS	#14-2 MC	20	1/20	0.63	SUMP PUMP	#14-2 UF
21	2	12.0	INSTANT TANKLESS WATER HEATER	2#6, 1#8 GND 1" EMT	22	2	1.03	SUPPLY PUMP FOR HOT WATER	#14-2 UF
23	60				24	15			
25	1/20	1.90	MECHANICAL ROOM RECEPTACLES	#12-2 MC	26	2	1.03	FIRE SPRINKLER PUMP	#14-2 UF
27	1/15	-	SPACE	-	28	15			
29	1/15	0.00	HAI PHASE COUPLER LINE 1	#14-2 MC	30	1/20	0.00	SPARE	-
31	1/15	0.00	HAI PHASE COUPLER LINE 2	#14-2 MC	32	1/15	0.00	SPARE	-
33	1/20	0.20	FIRE SPRINKLER MONITOR ***	#12-2 MC	34	1/20	0.00	SPARE	-
35	-	-	SPACE	-	36	1/15	0.00	SPARE	-
37	2	8.00	PHOTOVOLTAIC INPUT	3#8, 1#10 GND 1" EMT	38	-	-	SPACE	-
39	45				40	-	-	SPACE	-

* 891 SF @ 3VA / SF = 2673 VA
 ** AFCI BRANCH BREAKER AS PER NEC 2008 210.12 (B)
 *** PROVIDE BREAKER LOCK

MANUFACTURER: SQUARE D MOUNTING: SURFACE LOCATION: MECHANICAL ROOM MAIN: MAIN LUGS ONLY AIC: 10k BUS RATING: 100A VOLTAGE: 120/240V, 1PH, 3W

AC COMBINER PANEL

CKT. NO.	POLE/TRIP	KVA	DESCRIPTION	WIRING & CONDUIT	CKT. NO.	POLE/TRIP	KVA	DESCRIPTION	WIRING & CONDUIT
1	2	4.08	PV INPUT - INVERTER 1	3#10, 1#10 GND 3/4" EMT	2	2	4.08	PV INPUT - INVERTER 2	3#10, 1#10 GND 3/4" EMT
3	25				4	25			
5	-	-	SPACE	-	6	-	-	SPACE	-
7	-	-	SPACE	-	8	-	-	SPACE	-



GENERAL SHEET NOTES

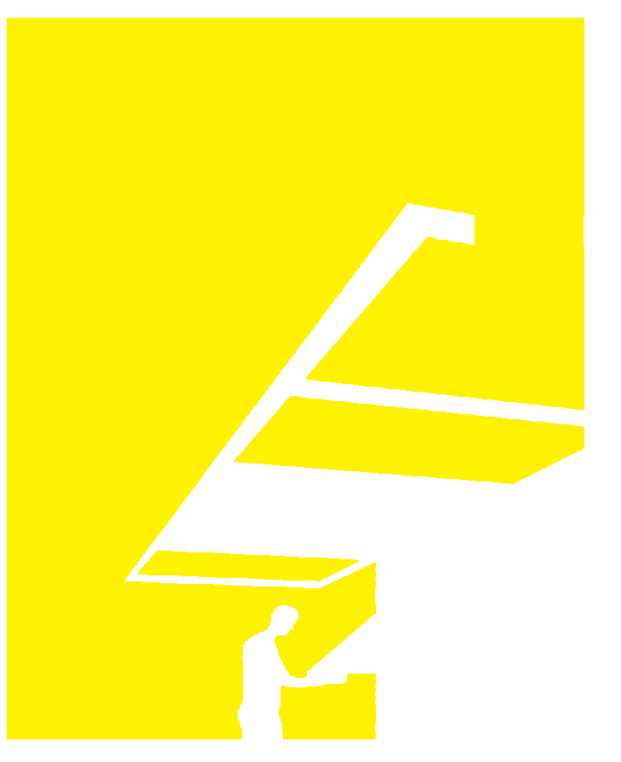
- 1. DASHED LINES DENOTE PROPOSED ROUTING FOR COMMUNICATION CABLING. SUPPLIED AND INSTALLED BY ORGANIZERS.
- 2. EMPTY CONDUIT AND PULL STRINGS TO BE INSTALLED BY EC.
- 3. ALL WALL AND FLOOR PENETRATIONS TO BE 1" IN DIAMETER AND FILLED WITH BATT INSULATION AFTER CABLE IS RUN.

REFERENCE KEYNOTES

- 25 13 16 INTEGRATED AUTOMATION CONTROL AND MONITORING NETWORK INTEGRATION PANELS
- 26 09 13 ELECTRICAL POWER MONITORING AND CONTROL
- 26 24 16.A2 100A COMBINER PANEL BY SQUARE D

SHEET KEYNOTES

- 5.12 DATALOGGER IN KITCHEN CABINET
- 5.13 INSTALLED BY ORGANIZERS
- 5.18 PROVIDE 1" PVC RACEWAY BELOW FLOOR



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SHEET TITLE
COMMUNICATIONS PLAN

SHEET NUMBER
E-800

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

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SITE OPERATIONS INDEX OF DRAWINGS
SHEET NO. SHEET NAME

O-001	OPERATIONS SYMBOLS AND NOTES
O-101	ASSEMBLY SEQUENCE PLANS
O-102	ASSEMBLY SEQUENCE PLANS
O-103	ASSEMBLY SEQUENCE PLANS
O-104	DISASSEMBLY SEQUENCE PLANS
O-105	DISASSEMBLY SEQUENCE PLANS
O-601	TRUCK LOADING DIAGRAM
O-602	LIFTING & HOISTING DIAGRAM
O-603	CONSTRUCTION EQUIPMENT SCHEDULE

SITE OPERATIONS SYMBOLS LEGEND

ROOM NAME	ROOM DESIGNATION
150 SF	
SIM	DETAIL
SIM	SECTION
	ELEVATION
	COLUMN GRID
0-0" T.O. BEAM	ROOM TAG
	REVISION
	SHEET KEYNOTE
	WALL TYPE
	WINDOW TYPE
	DOOR DESIGNATION
	SPOT ELEVATION
	NORTH ARROW



C4 DRAWING BLOCK TITLE
1 1/2" = 1'-0"

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
B.O.	BOTTOM OF
CFM	CUBIC FEET PER MINUTE
COL	COLUMN
CONC	CONCRETE
CW	COLD WATER
DC	DIRECT CURRENT
EA	EACH
F.F.E.	FINISHED FLOOR ELEVATION
FIU	FLORIDA INTERNATIONAL UNIVERSITY
GA	GAUGE
GYP	GYPSONUM
HSS	HOLLOW STEEL SECTION
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
INSUL	INSULATION
MAX	MAXIMUM
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MIN	MINIMUM
MTL	METAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PFAS	PERSONAL FALL ARREST SYSTEM
PV	PHOTOVOLTAIC
RAD	RADIUS
R.O.	ROUGH OPENING
RWL	RAIN WATER LEADER
S.F.	SQUARE FEET
SIM	SIMILAR
STL	STEEL
T.O.	TOP OF
T&G	TONGUE & GROOVE
TYP	TYPICAL



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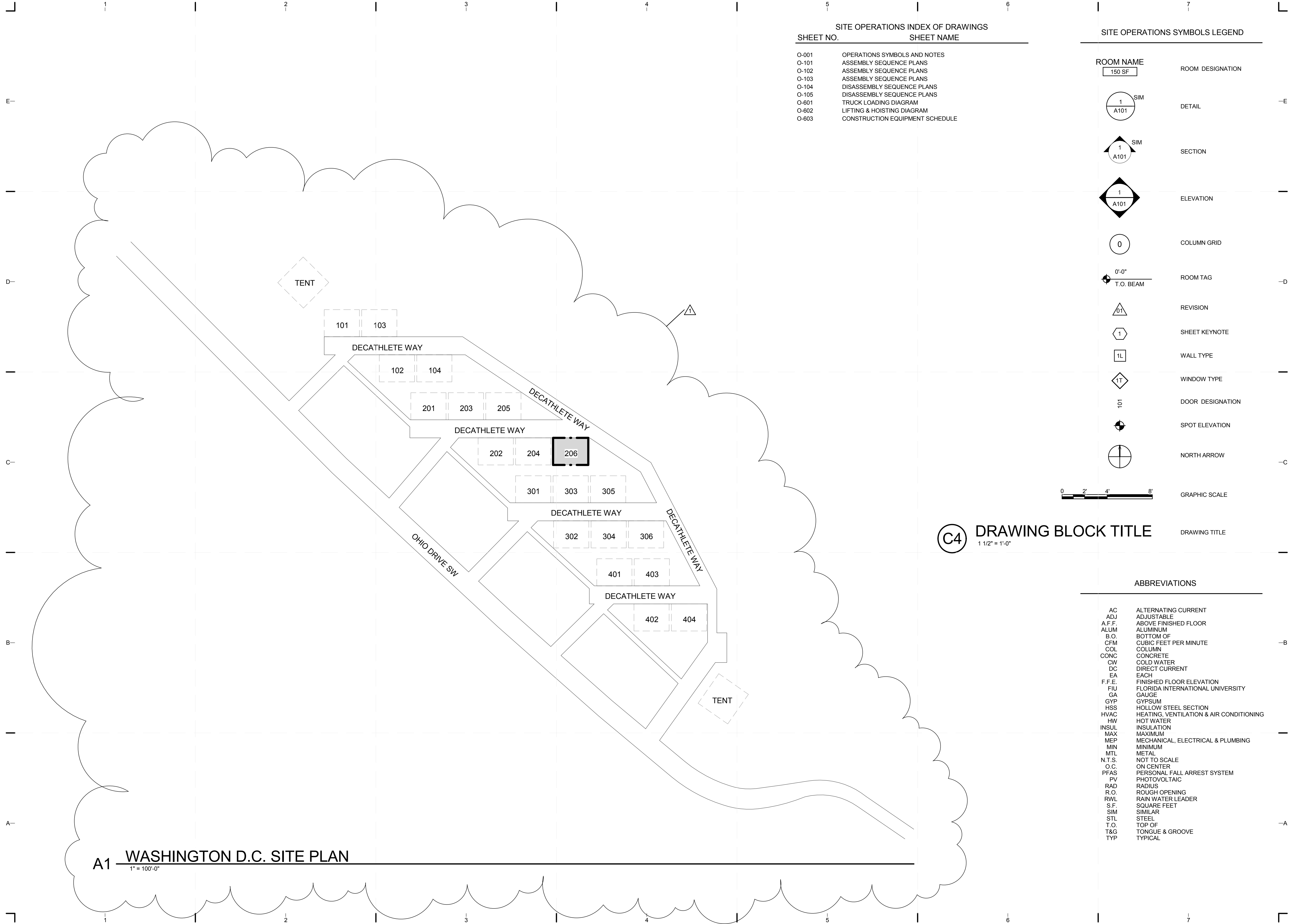
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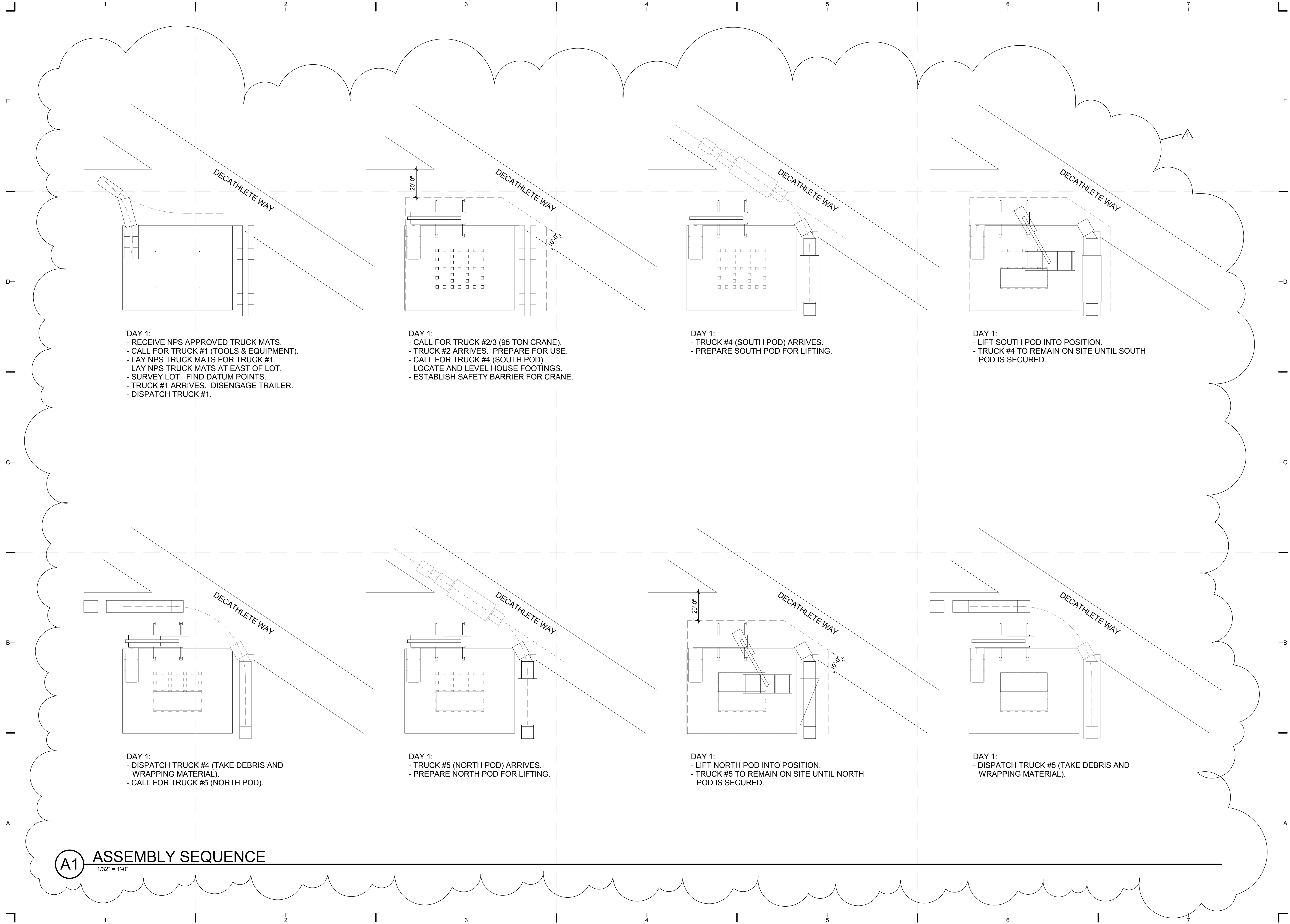
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OPERATIONS SYMBOLS AND NOTES

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O-001

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A1 WASHINGTON D.C. SITE PLAN
1" = 100'-0"





DAY 1:
 - RECEIVE NPS APPROVED TRUCK MATS.
 - CALL FOR TRUCK #1 (TOOLS & EQUIPMENT).
 - LAY NPS TRUCK MATS FOR TRUCK #1.
 - LAY NPS TRUCK MATS AT EAST OF LOT.
 - SURVEY LOT. FIND DATUM POINTS.
 - TRUCK #1 ARRIVES. DISENGAGE TRAILER.
 - DISPATCH TRUCK #1.

DAY 1:
 - CALL FOR TRUCK #2/3 (95 TON CRANE).
 - TRUCK #2 ARRIVES. PREPARE FOR USE.
 - CALL FOR TRUCK #4 (SOUTH POD).
 - LOCATE AND LEVEL HOUSE FOOTINGS.
 - ESTABLISH SAFETY BARRIER FOR CRANE.

DAY 1:
 - TRUCK #4 (SOUTH POD) ARRIVES.
 - PREPARE SOUTH POD FOR LIFTING.

DAY 1:
 - LIFT SOUTH POD INTO POSITION.
 - TRUCK #4 TO REMAIN ON SITE UNTIL SOUTH POD IS SECURED.

DAY 1:
 - DISPATCH TRUCK #4 (TAKE DEBRIS AND WRAPPING MATERIAL).
 - CALL FOR TRUCK #5 (NORTH POD).

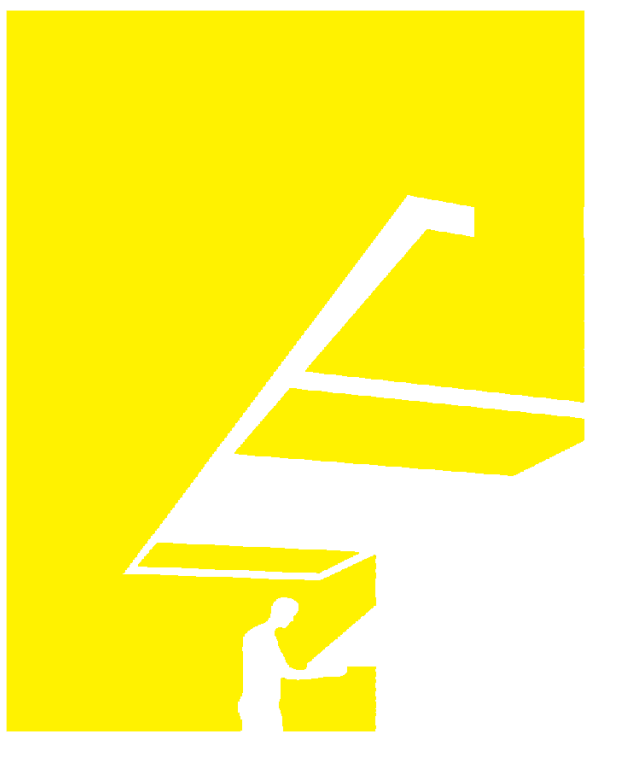
DAY 1:
 - TRUCK #5 (NORTH POD) ARRIVES.
 - PREPARE NORTH POD FOR LIFTING.

DAY 1:
 - LIFT NORTH POD INTO POSITION.
 - TRUCK #5 TO REMAIN ON SITE UNTIL NORTH POD IS SECURED.

DAY 1:
 - DISPATCH TRUCK #5 (TAKE DEBRIS AND WRAPPING MATERIAL).

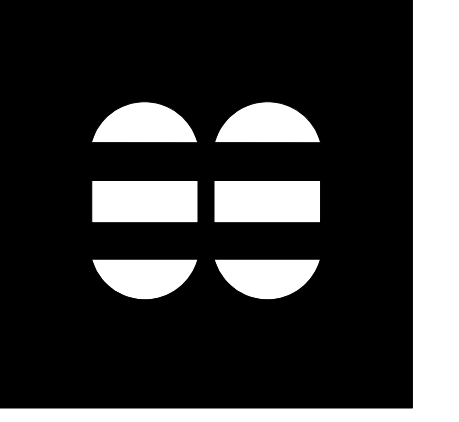
A1 ASSEMBLY SEQUENCE

1/32" = 1'-0"



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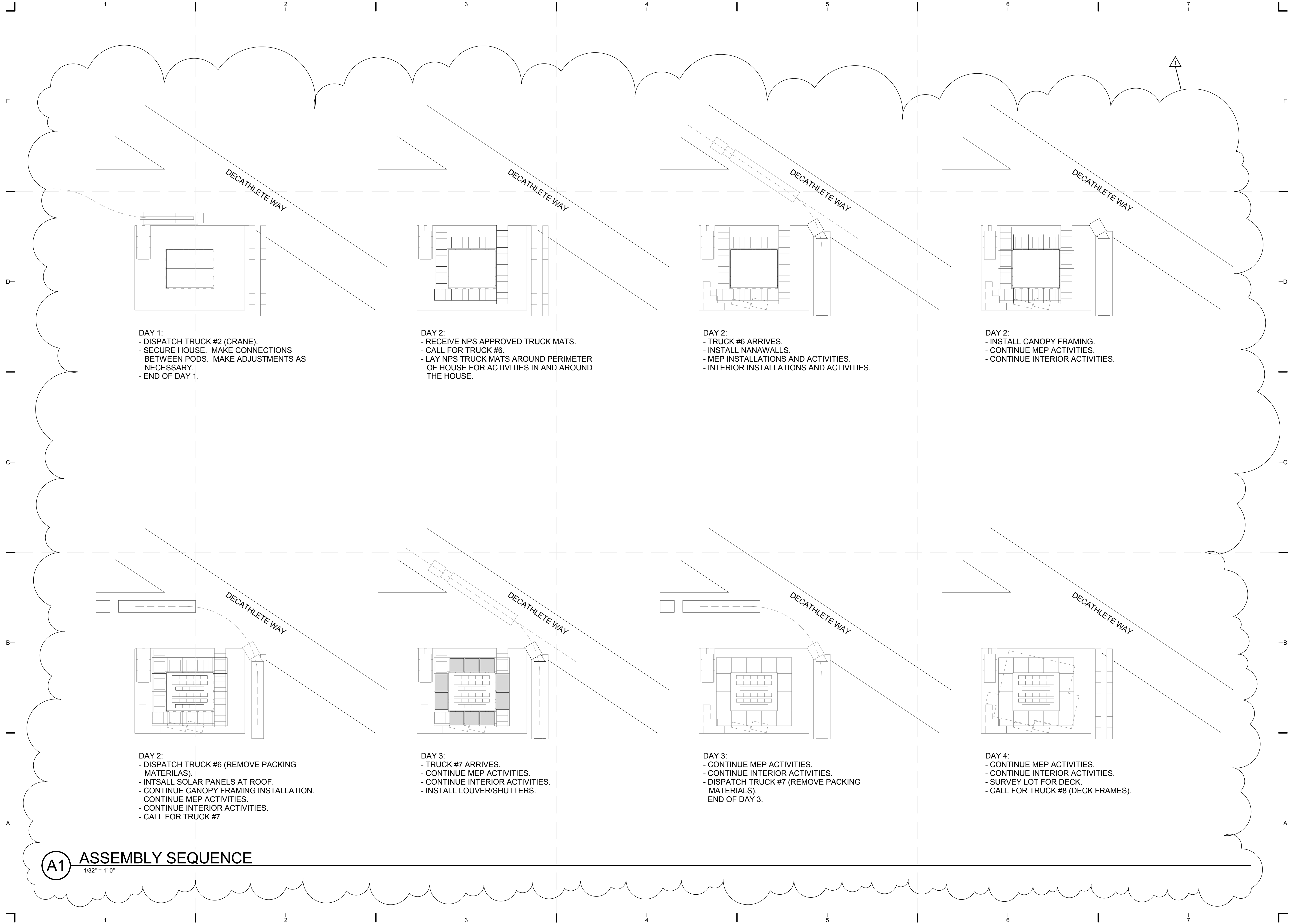
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ASSEMBLY SEQUENCE PLANS

SHEET NUMBER
O-101



DAY 1:
 - DISPATCH TRUCK #2 (CRANE).
 - SECURE HOUSE. MAKE CONNECTIONS BETWEEN PODS. MAKE ADJUSTMENTS AS NECESSARY.
 - END OF DAY 1.

DAY 2:
 - RECEIVE NPS APPROVED TRUCK MATS.
 - CALL FOR TRUCK #6.
 - LAY NPS TRUCK MATS AROUND PERIMETER OF HOUSE FOR ACTIVITIES IN AND AROUND THE HOUSE.

DAY 2:
 - TRUCK #6 ARRIVES.
 - INSTALL NANAWALLS.
 - MEP INSTALLATIONS AND ACTIVITIES.
 - INTERIOR INSTALLATIONS AND ACTIVITIES.

DAY 2:
 - INSTALL CANOPY FRAMING.
 - CONTINUE MEP ACTIVITIES.
 - CONTINUE INTERIOR ACTIVITIES.

DAY 2:
 - DISPATCH TRUCK #6 (REMOVE PACKING MATERIALS).
 - INTSALL SOLAR PANELS AT ROOF.
 - CONTINUE CANOPY FRAMING INSTALLATION.
 - CONTINUE MEP ACTIVITIES.
 - CONTINUE INTERIOR ACTIVITIES.
 - CALL FOR TRUCK #7

DAY 3:
 - TRUCK #7 ARRIVES.
 - CONTINUE MEP ACTIVITIES.
 - CONTINUE INTERIOR ACTIVITIES.
 - INSTALL LOUVER/SHUTTERS.

DAY 3:
 - CONTINUE MEP ACTIVITIES.
 - CONTINUE INTERIOR ACTIVITIES.
 - DISPATCH TRUCK #7 (REMOVE PACKING MATERIALS).
 - END OF DAY 3.

DAY 4:
 - CONTINUE MEP ACTIVITIES.
 - CONTINUE INTERIOR ACTIVITIES.
 - SURVEY LOT FOR DECK.
 - CALL FOR TRUCK #8 (DECK FRAMES).

(A1) ASSEMBLY SEQUENCE

1/32" = 1'-0"



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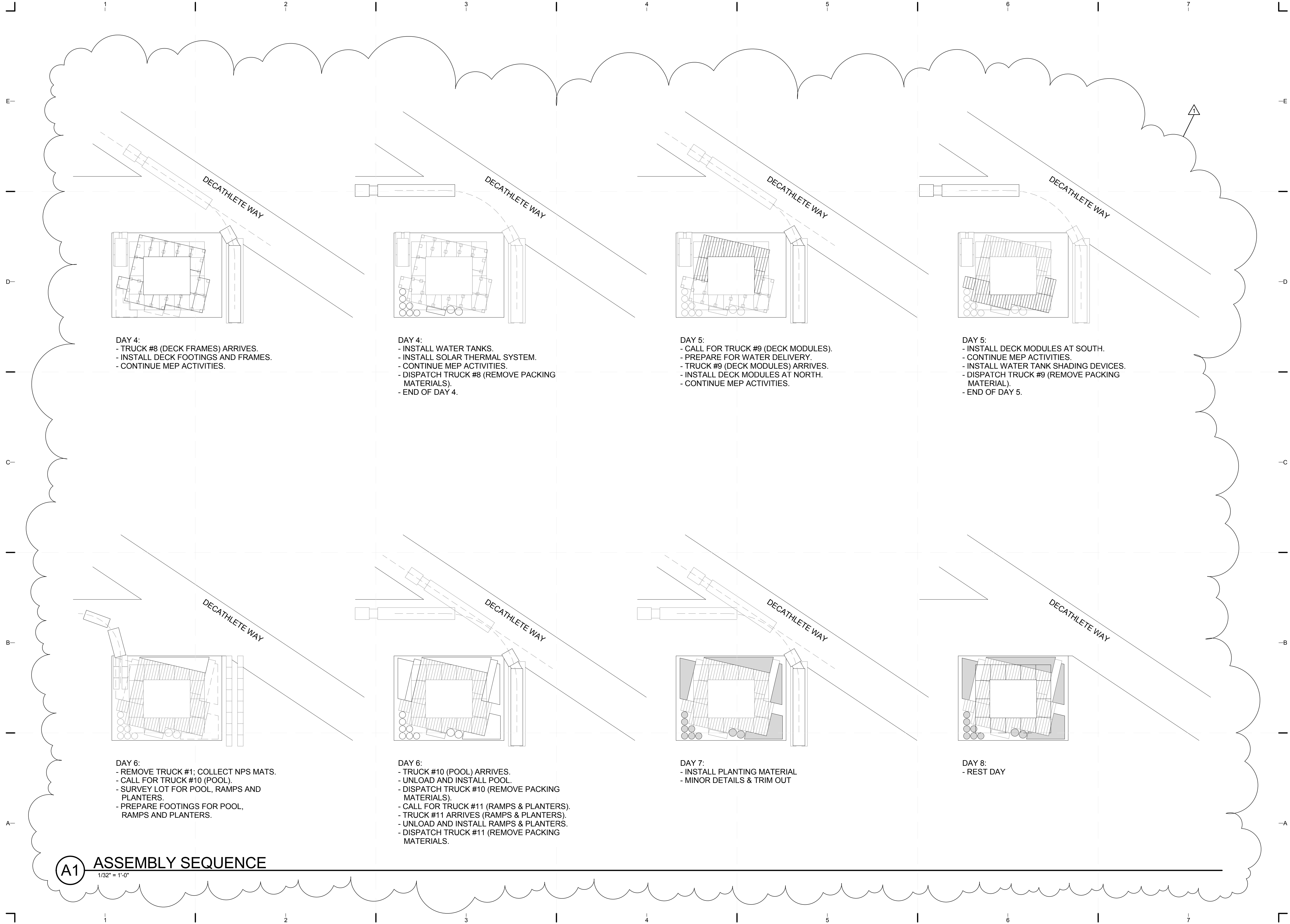
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ASSEMBLY SEQUENCE PLANS

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O-102

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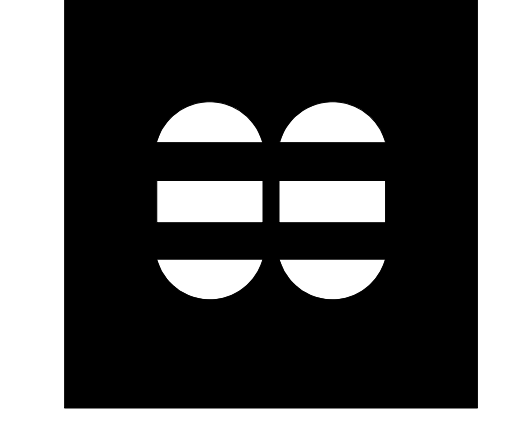


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1/32" = 1'-0"



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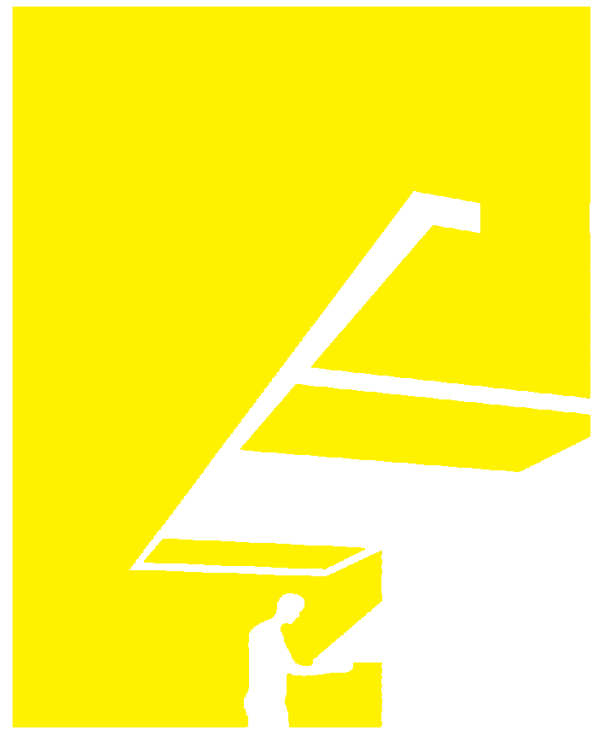
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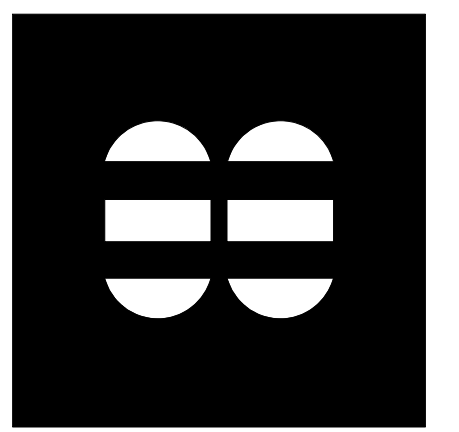
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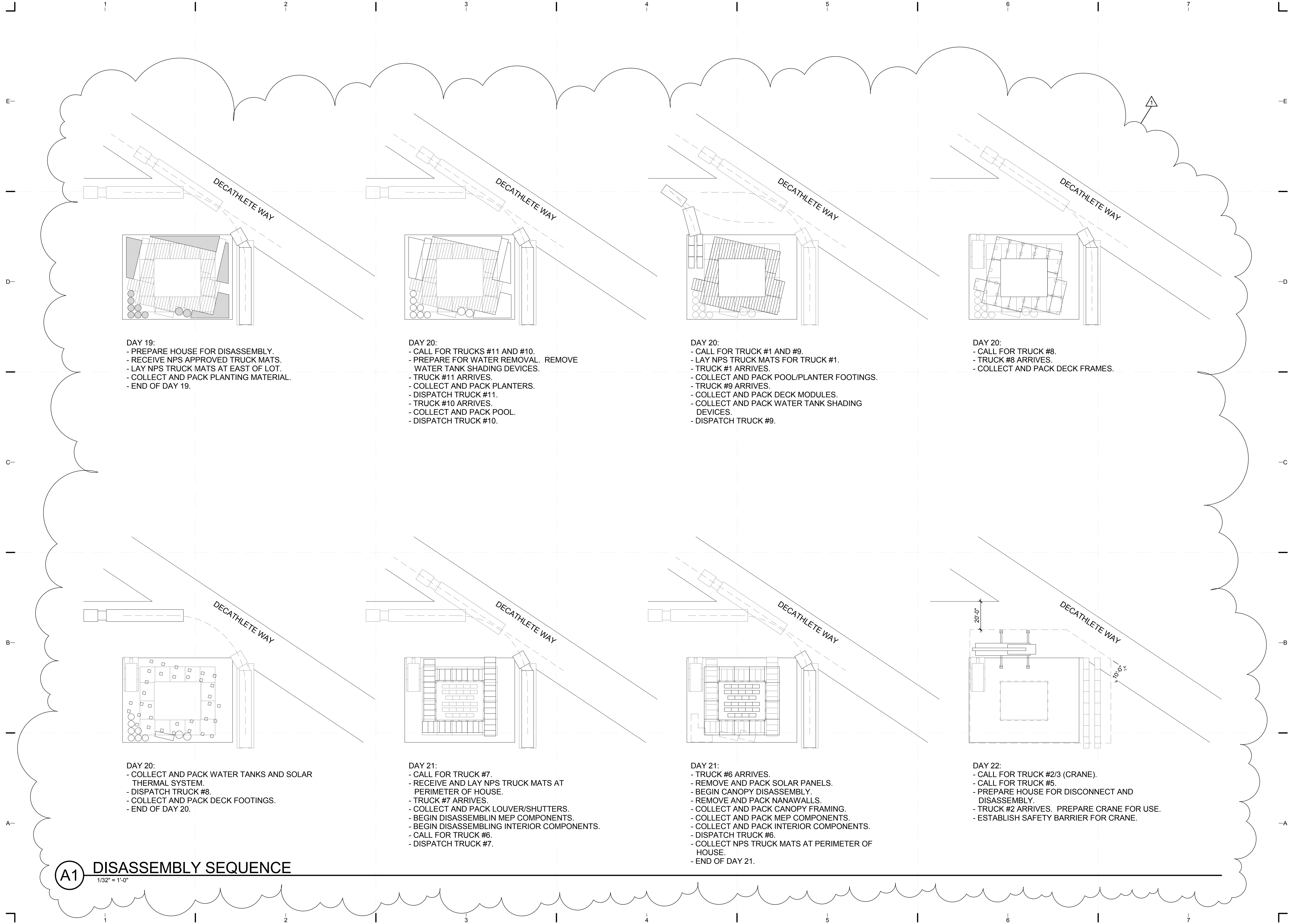
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SHEET TITLE
DISASSEMBLY SEQUENCE PLANS

SHEET NUMBER
O-104



- DAY 19:
- PREPARE HOUSE FOR DISASSEMBLY.
 - RECEIVE NPS APPROVED TRUCK MATS.
 - LAY NPS TRUCK MATS AT EAST OF LOT.
 - COLLECT AND PACK PLANTING MATERIAL.
 - END OF DAY 19.

- DAY 20:
- CALL FOR TRUCKS #11 AND #10.
 - PREPARE FOR WATER REMOVAL. REMOVE WATER TANK SHADING DEVICES.
 - TRUCK #11 ARRIVES.
 - COLLECT AND PACK PLANTERS.
 - DISPATCH TRUCK #11.
 - TRUCK #10 ARRIVES.
 - COLLECT AND PACK POOL.
 - DISPATCH TRUCK #10.

- DAY 20:
- CALL FOR TRUCK #1 AND #9.
 - LAY NPS TRUCK MATS FOR TRUCK #1.
 - TRUCK #1 ARRIVES.
 - COLLECT AND PACK POOL/PLANTER FOOTINGS.
 - TRUCK #9 ARRIVES.
 - COLLECT AND PACK DECK MODULES.
 - COLLECT AND PACK WATER TANK SHADING DEVICES.
 - DISPATCH TRUCK #9.

- DAY 20:
- CALL FOR TRUCK #8.
 - TRUCK #8 ARRIVES.
 - COLLECT AND PACK DECK FRAMES.

- DAY 20:
- COLLECT AND PACK WATER TANKS AND SOLAR THERMAL SYSTEM.
 - DISPATCH TRUCK #8.
 - COLLECT AND PACK DECK FOOTINGS.
 - END OF DAY 20.

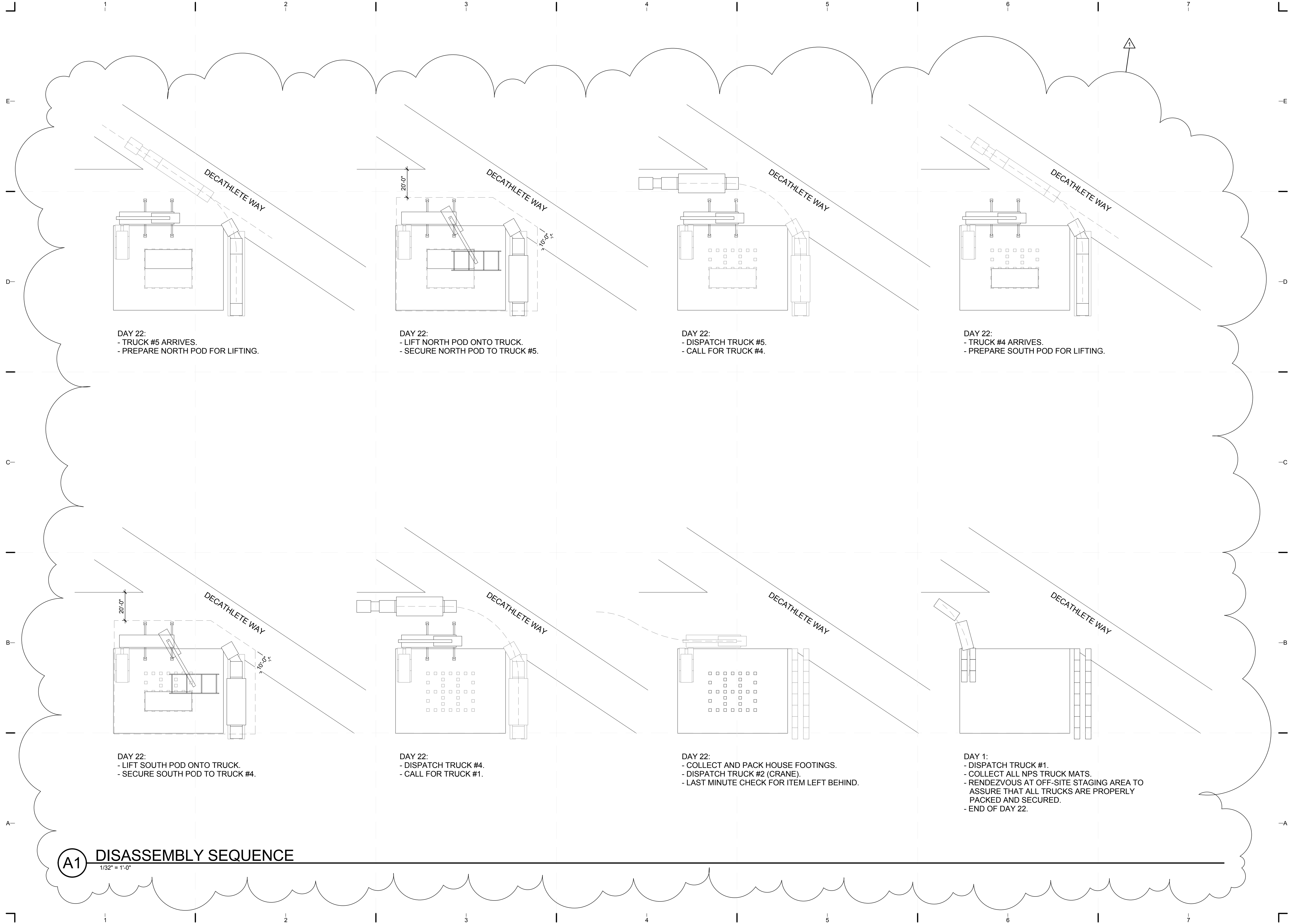
- DAY 21:
- CALL FOR TRUCK #7.
 - RECEIVE AND LAY NPS TRUCK MATS AT PERIMETER OF HOUSE.
 - TRUCK #7 ARRIVES.
 - COLLECT AND PACK LOUVER/SHUTTERS.
 - BEGIN DISASSEMBLING MEP COMPONENTS.
 - BEGIN DISASSEMBLING INTERIOR COMPONENTS.
 - CALL FOR TRUCK #6.
 - DISPATCH TRUCK #7.

- DAY 21:
- TRUCK #6 ARRIVES.
 - REMOVE AND PACK SOLAR PANELS.
 - BEGIN CANOPY DISASSEMBLY.
 - REMOVE AND PACK NANAWALLS.
 - COLLECT AND PACK CANOPY FRAMING.
 - COLLECT AND PACK MEP COMPONENTS.
 - COLLECT AND PACK INTERIOR COMPONENTS.
 - DISPATCH TRUCK #6.
 - COLLECT NPS TRUCK MATS AT PERIMETER OF HOUSE.
 - END OF DAY 21.

- DAY 22:
- CALL FOR TRUCK #2/3 (CRANE).
 - CALL FOR TRUCK #5.
 - PREPARE HOUSE FOR DISCONNECT AND DISASSEMBLY.
 - TRUCK #2 ARRIVES. PREPARE CRANE FOR USE.
 - ESTABLISH SAFETY BARRIER FOR CRANE.

A1 DISASSEMBLY SEQUENCE

1/32" = 1'-0"



DAY 22:
 - TRUCK #5 ARRIVES.
 - PREPARE NORTH POD FOR LIFTING.

DAY 22:
 - LIFT NORTH POD ONTO TRUCK.
 - SECURE NORTH POD TO TRUCK #5.

DAY 22:
 - DISPATCH TRUCK #5.
 - CALL FOR TRUCK #4.

DAY 22:
 - TRUCK #4 ARRIVES.
 - PREPARE SOUTH POD FOR LIFTING.

DAY 22:
 - LIFT SOUTH POD ONTO TRUCK.
 - SECURE SOUTH POD TO TRUCK #4.

DAY 22:
 - DISPATCH TRUCK #4.
 - CALL FOR TRUCK #1.

DAY 22:
 - COLLECT AND PACK HOUSE FOOTINGS.
 - DISPATCH TRUCK #2 (CRANE).
 - LAST MINUTE CHECK FOR ITEM LEFT BEHIND.

DAY 1:
 - DISPATCH TRUCK #1.
 - COLLECT ALL NPS TRUCK MATS.
 - RENDEZVOUS AT OFF-SITE STAGING AREA TO ASSURE THAT ALL TRUCKS ARE PROPERLY PACKED AND SECURED.
 - END OF DAY 22.

A1 DISASSEMBLY SEQUENCE
 1/32" = 1'-0"



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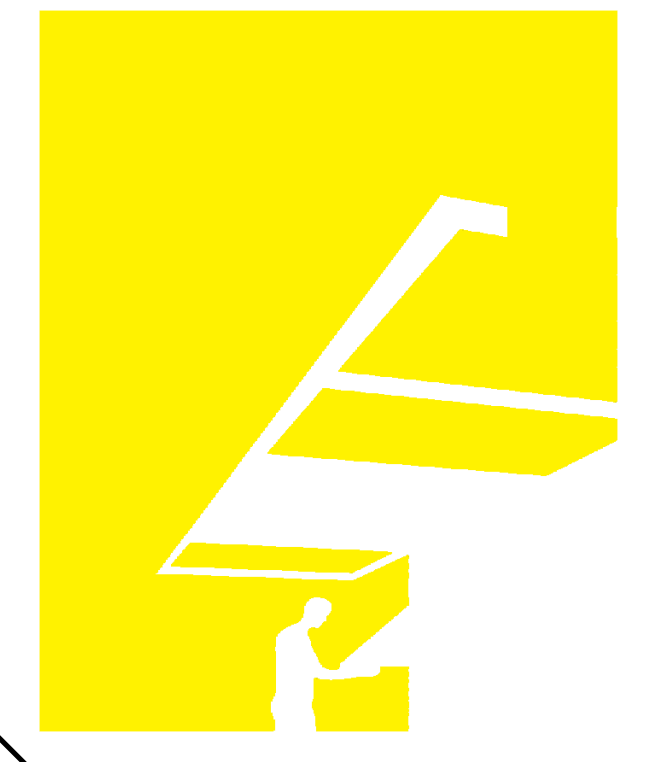
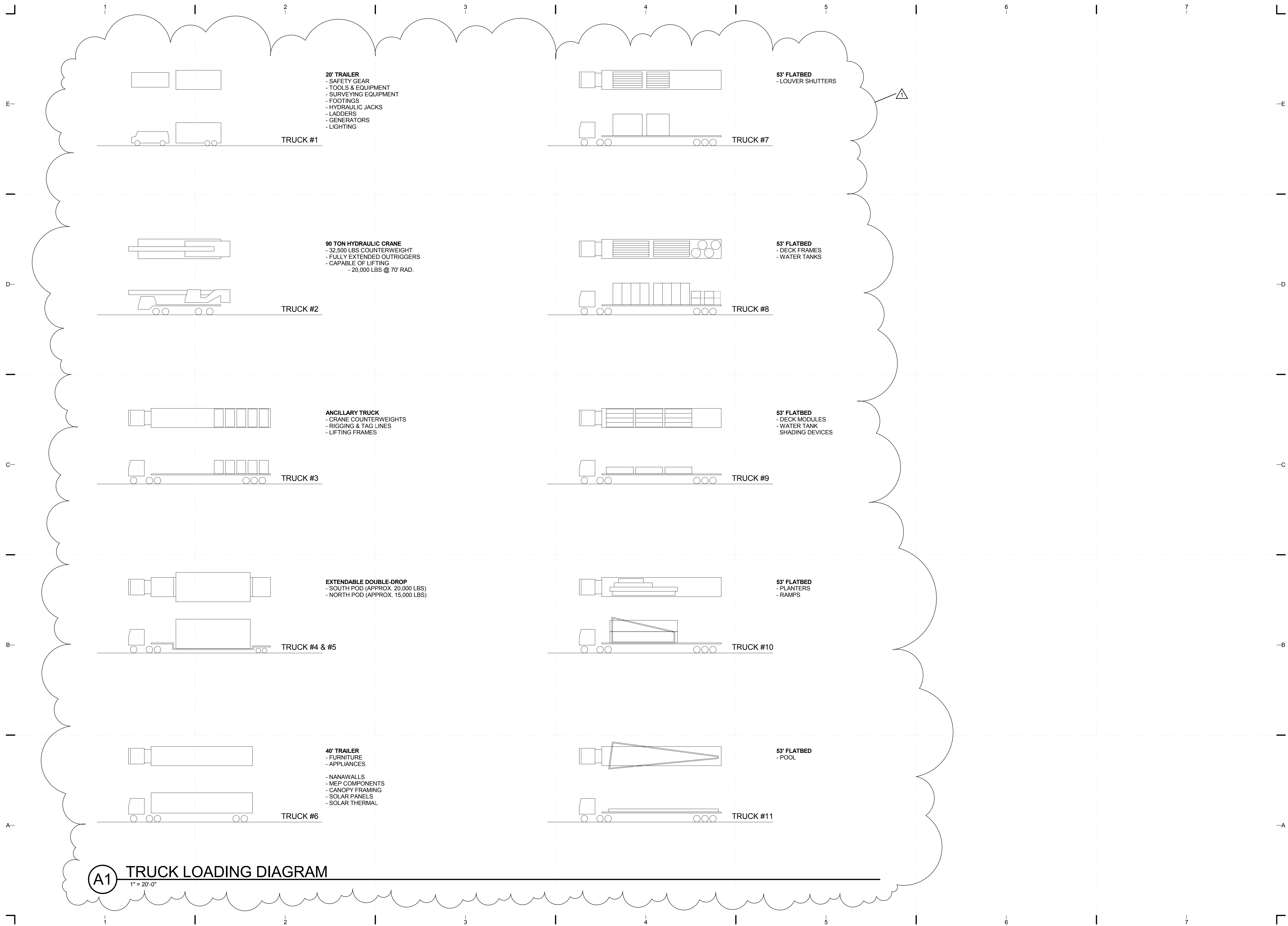
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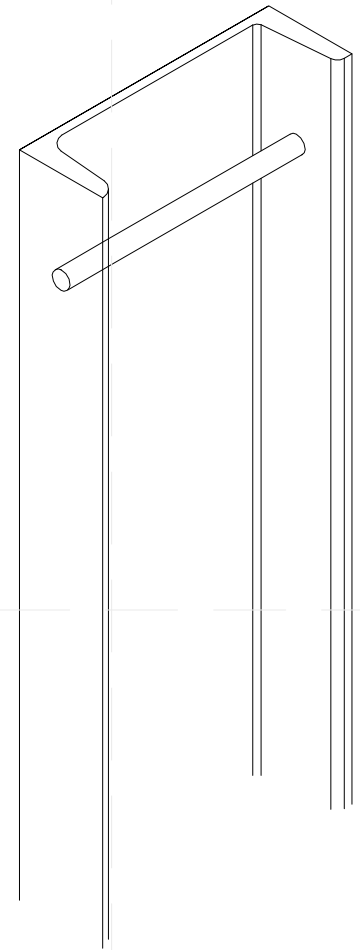
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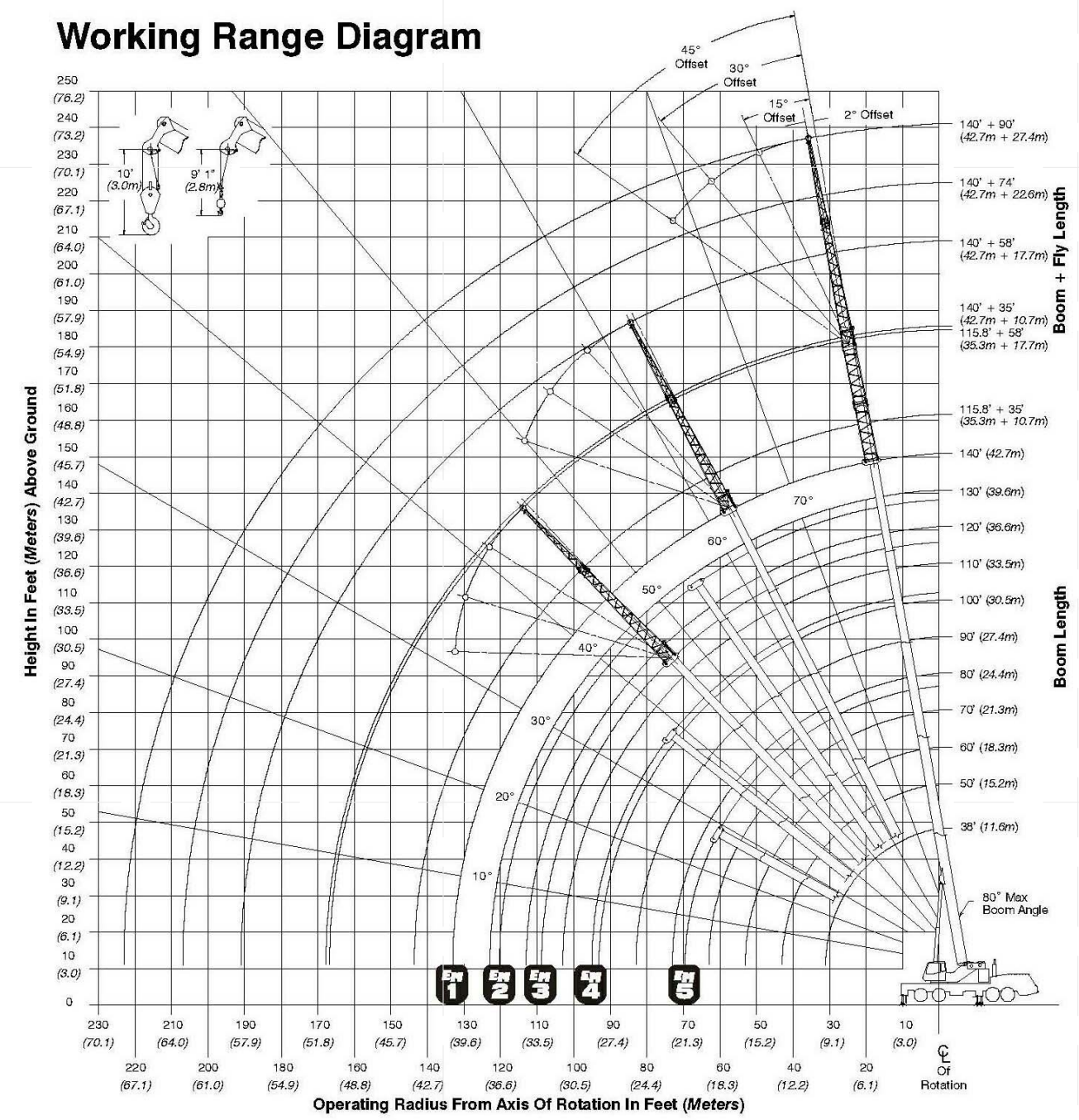
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SHEET TITLE
**TRUCK LOADING
 DIAGRAM**
 SHEET NUMBER
O-601



C1 SAFETY ATTACHMENT POINT
3" = 1'-0"



C3 LIFTING CHARTS
1/32" = 1'-0"

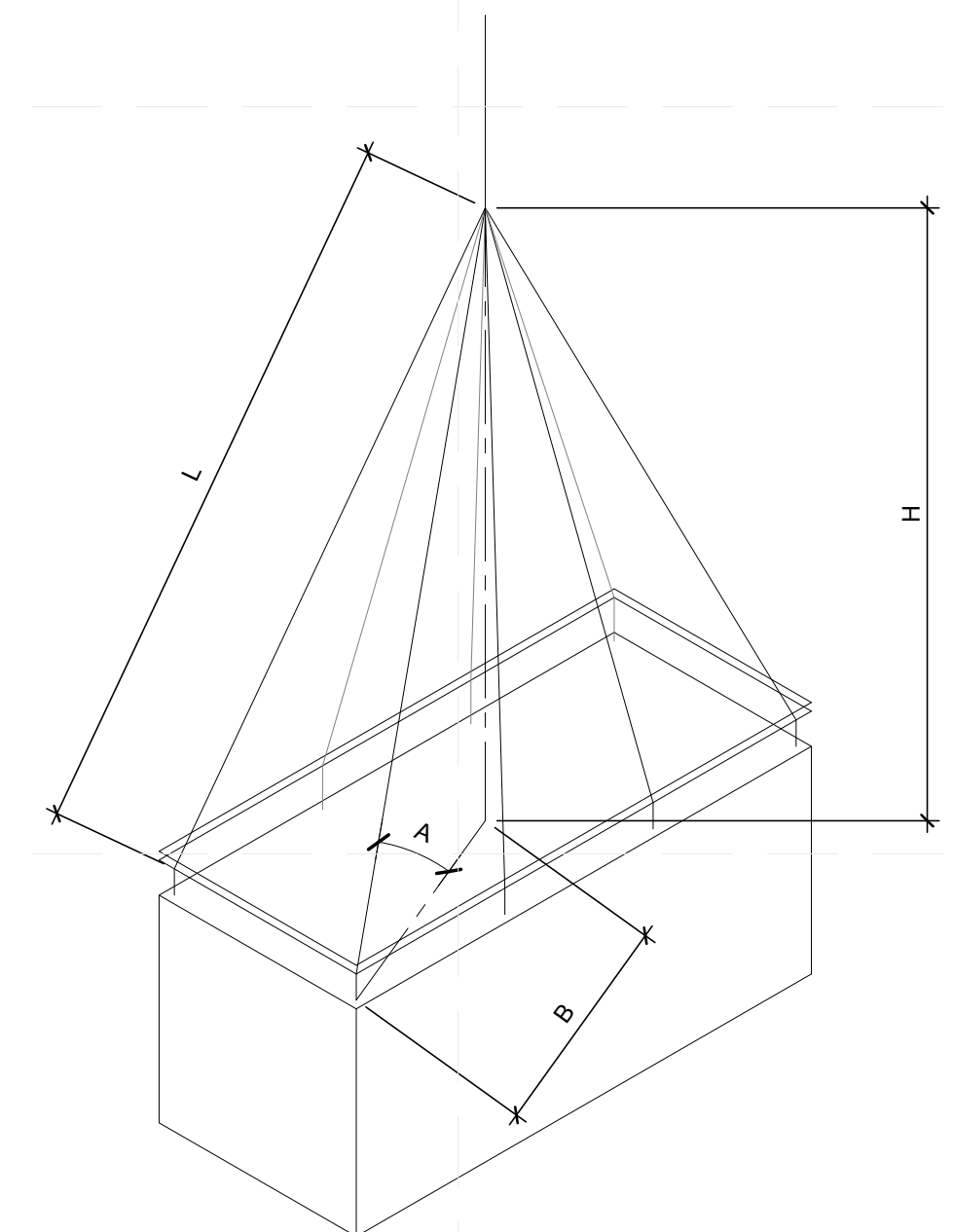
Main Boom Lift Capacity Charts

32,500 lb Counterweight - Fully Extended Outriggers - 360° Rotation
(All Capacities Are Listed In Pounds)

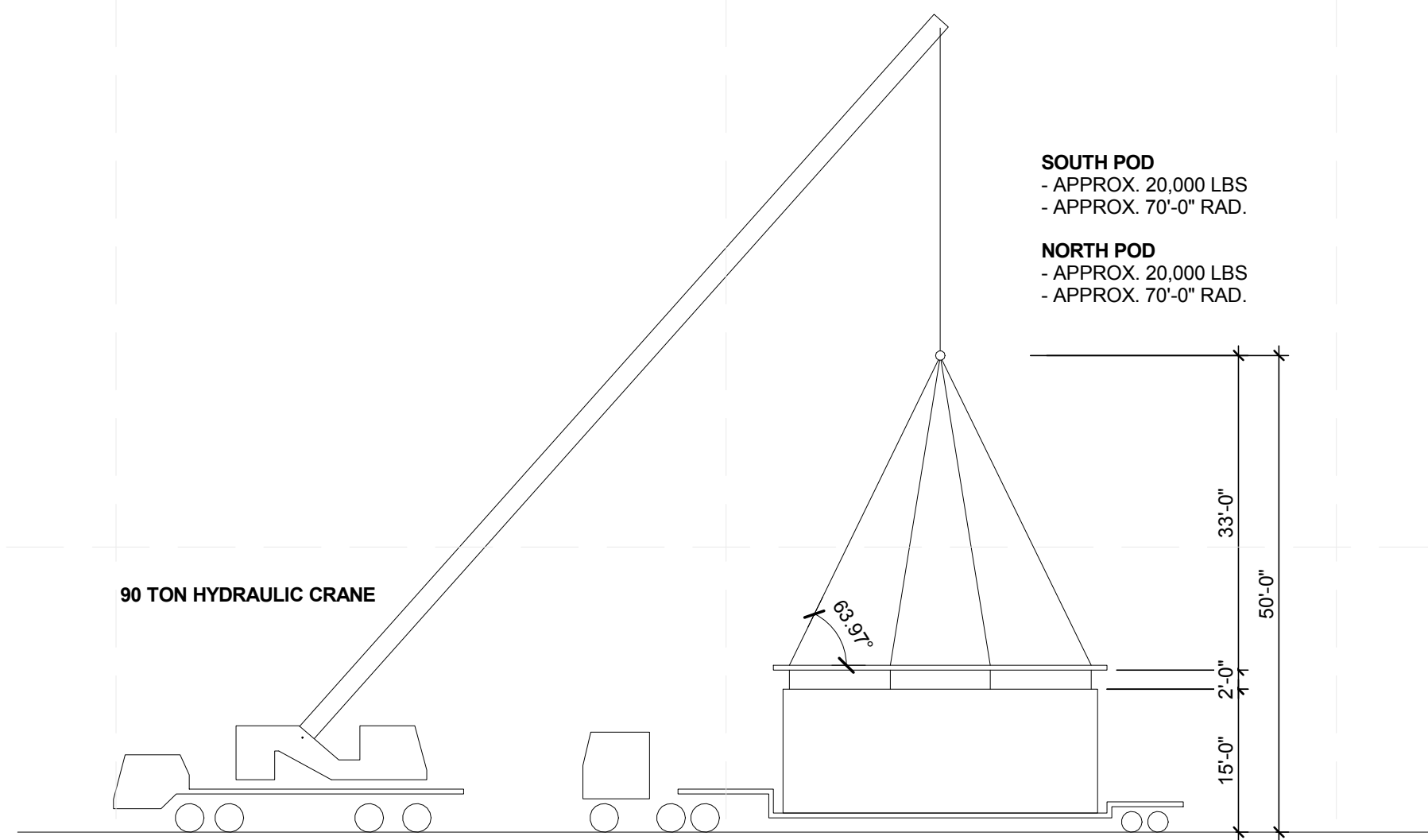
Radius (ft)	Boom Length (ft)											Radius (ft)					
	38	50	60	70	76.6/80	90	100	110	120	130	140						
8	180,000*											8					
9	167,100*											9					
10	158,300*	152,100*	117,900	89,700								10					
12	142,700*	138,700*	108,800	85,000	85,100**							12					
15	119,300	121,400	106,500	78,800	78,400**	57,700						15					
20	87,600	89,800	90,200	70,300	76,500**	56,200	49,100	42,500				20					
25	68,000	70,300	70,800	63,600	70,300**	55,300	45,800	42,500	33,700	29,700		25					
30	54,700	57,100	57,600	58,100	58,700	54,500	45,200	38,300	31,200	29,400	24,400	30					
35		47,500	49,100	49,400	49,200	48,800	42,500	35,500	30,900	29,100	24,100	35					
40		40,500	41,600	41,800	41,600	41,100	38,200	33,400	30,600	28,800	24,000	40					
45			34,600	34,900	34,600	34,200	33,700	30,300	29,900	28,600	23,800	45					
50			29,600	29,400	28,900	28,800	27,900	27,800	26,800	26,700	23,700	50					
55			25,500	25,300	26,000	24,800	24,700	25,300	24,800	23,600	23,600	55					
60			22,500	22,400	22,800	21,500	22,300	22,000	21,900	21,900	22,100	60					
65				20,000	20,100	20,000	19,600	19,300	20,000	19,600	19,600	65					
70				17,700	17,800	17,800	17,700	18,100	17,700	17,400	17,400	70					
75					15,800	16,500	16,500	16,200	15,800	15,500	15,500	75					
80						14,200	14,900	14,800	14,500	14,100	13,800	80					
85							13,500	13,400	13,100	12,700	12,500	85					
90								12,200	12,200	11,900	11,300	90					
95									11,100	10,800	10,200	95					
100										10,100	9,500	100					
105											8,900	105					
110												8,300	110				
115													7,800	115			
120														7,100	120		
125															6,400	125	
130																5,500	130

* Special Conditions Or Wire Rope Required
** 76.5 EME mode

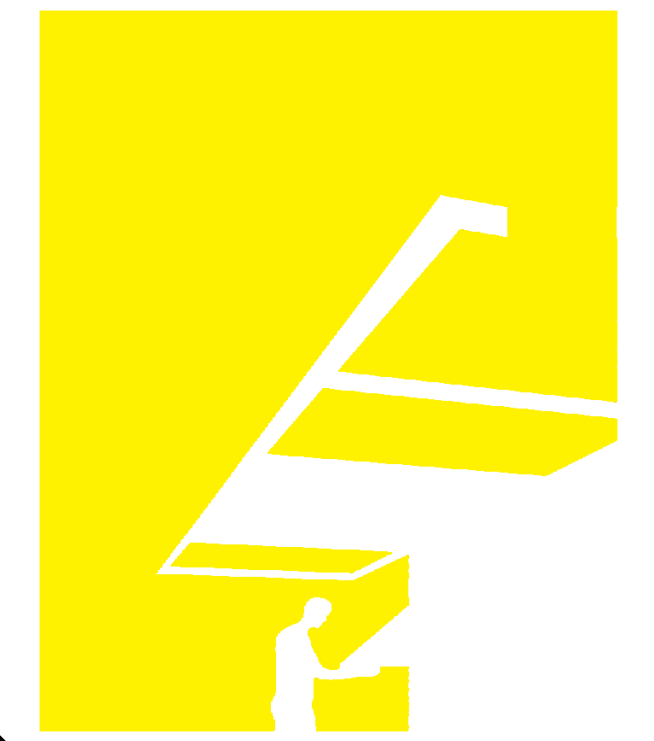
This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



A1 LIFTING CABLE DIAGRAM
3/32" = 1'-0"



A3 LIFTING DIAGRAM
1/16" = 1'-0"



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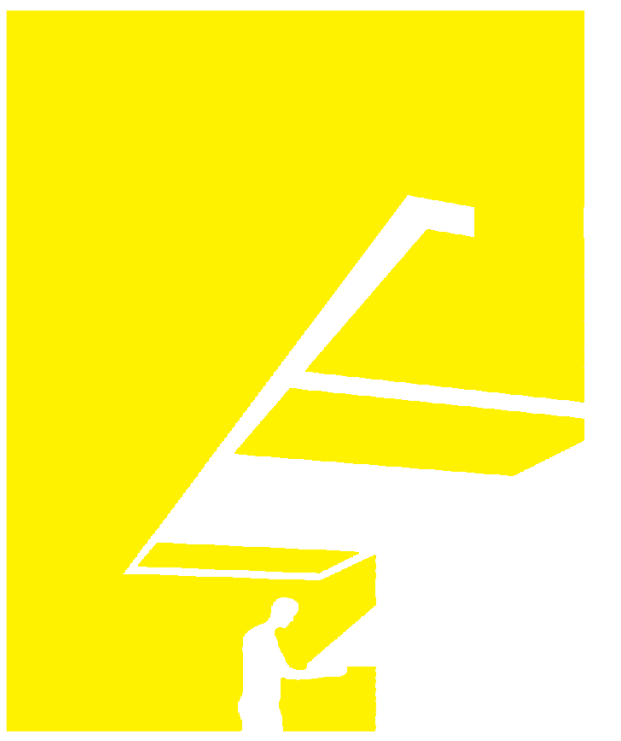
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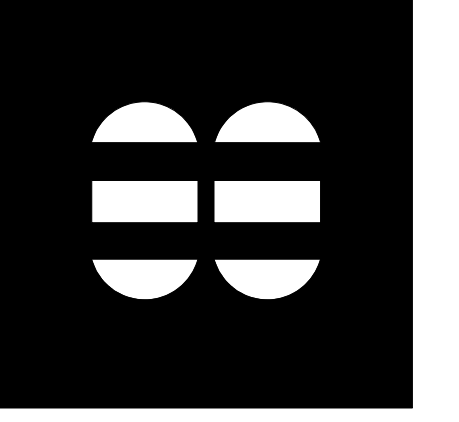


CONSTRUCTION EQUIPMENT SCHEDULE				
EQUIPMENT	QTY	MANUFACTURER	MODEL No.	REMARKS
CRANE	1	LINK-BELT	HTC 8690	CAPABLE OF LIFTING 20,000 LBS @ 70' RAD. REFER TO SHEET XXX FOR LIFTING DIAGRAM
GENERATOR	2	HONDA	EB6500 XA	ADDITIONAL 20 GALLON OF FUEL AND 1 QT. OF OIL WILL BE ON SITE
MATERIAL LIFT	2	GENIE LIFT	-	13' - 15' LIFT HEIGHT
FORK LIFT	-	-	-	-



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