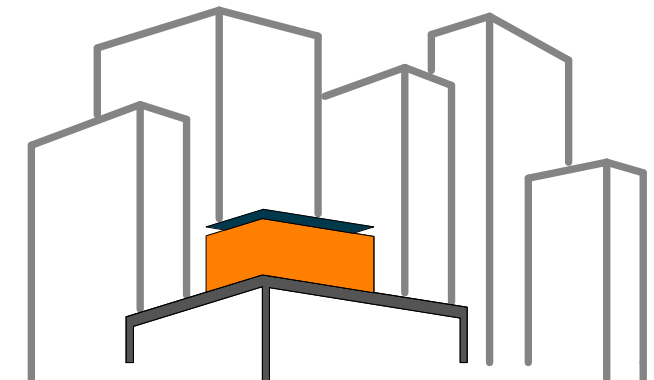


TEAM NEW YORK
SOLAR ROOF POD

**SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING**
 141 CONVENT AVENUE RM 2M18, NEW YORK NY 10031
 TEL: (212) 650-8737 EMAIL: CCNYS11@GMAIL.COM



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

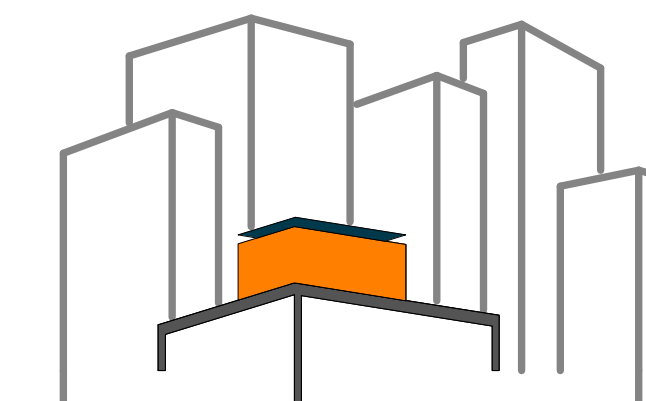
LOT NUMBER: 403
 DRAWN BY: TEAM NEW YORK
 CHECKED BY: TEAM NEW YORK
 DATE: 8/12/2011 10:38:33 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 SOLAR ROOF POD

SCALE: NTS
 PLAN #:

G-000.02



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnyd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

3 8/8/2011 REVISED DRAWINGS
CHANGED FROM .00 TO .01, .01 TO
.02 AND .02 TO .03. SEE REVISIONS
SCHEDULE ON EACH SHEET FOR
DETAILS

LOT NUMBER: 403

DRAWN BY: SAMUEL MIKHAEL

CHECKED BY: CHRISITAN VOLKMAN

DATE: 8/12/2011 10:38:36 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

TABLE OF
CONTENTS

SCALE: NTS

PLAN #:

G-001.03

G-000.02	SOLAR ROOF POD	A-101.02	SITE PLAN	I-101.02	INTERIOR FINISH PLAN	F-102.02	FIRE SUPPRESSION AND DETECTION PLAN	Z-001.01	STEEL CAGE - PLAN ASSEMBLY -SD1	Z-093.01	MODULE 11 - HORIZONTAL MEMBERS & ELEVATION
G-001.03	TABLE OF CONTENTS	A-102.01	FLOOR PLAN	I-103.01	INTERIOR FURNISHING PLAN	F-601.01	FIRE PROTECTION SCHEDULES	Z-002.01	STEEL CAGE - PLAN ASSEMBLY-SD2	Z-095.01	MODULE 11 - VERTICAL MEMBERS & ELEVATION
G-002.01	GENERAL NOTES, ABBREVIATIONS AND SYMBOLS	A-103.01	FLOOR FRAMING PLAN	I-201.01	INTERIOR SOUTH ELEVATIONS			Z-003.01	STEEL CAGE - COLUMN -C11/12	Z-096.01	MODULE 12 - HORIZONTAL MEMBERS & ELEVATION
G-006.01	DESIGN INTENT + DESIGN CRITERIA + REGULATORY SUMMARY	A-121.01	ROOF PLAN-BELOW PV ARRAY	I-202.01	INTERIOR EAST ELEVATIONS			Z-004.01	STEEL CAGE - COLUMN - C1 TO C4	Z-097.01	MODULE 12 - VERTICAL MEMBERS & ELEVATION
G-011.01	TARGET MARKET DESCRIPTION	A-122.02	REFLECTED PHOTOVOLTAIC TRELLIS	I-203.01	INTERIOR NORTH ELEVATION			Z-005.01	STEEL CAGE - COLUMN - C5 & C6	Z-098.01	MODULE 13 - HORIZONTAL MEMBERS & DETAILS
G-102.02	SITE PLAN- WASHINGTON D.C.	A-123.02	ROOF PLAN-PV TRELLIS	I-204.01	INTERIOR WEST ELEVATION			Z-006.01	STEEL CAGE - COLUMN C7 TO C10	Z-099.01	MODULE 13 - VERTICAL MEMBERS & ELEVATION
G-103.02	SITE PLAN- LOT 111, NATIONAL MALL	A-124.01	REFLECTED CEILING FRAMING PLAN	I-205.01	CORE EXT. ELEVATION, (NORTH ENTRY)			Z-007.01	STEEL CAGE - BEAM - C11	Z-100.01	MODULE 14 - HORIZONTAL MEMBERS & DETAILS
G-104.01	FINISHED SQUARE FOOTAGE COMPLIANCE PLAN	A-125.01	REFLECTED CEILING PLAN	I-206.01	CORE EXT. ELEVATION, (EAST LIVING ROOM)			Z-008.01	STEEL CAGE - BEAM - C12	Z-101.01	MODULE 14 - VERTICAL MEMBERS & ELEVATION
G-105.02	EGRESS PLAN	A-126.01	REFLECTED DROP CEILING PLAN	I-207.01	CORE EXT. ELEVATION, SOUTH (KITCHEN)			Z-009.01	STEEL CAGE - BEAM - C13	Z-102.01	MODULE 15 - HORIZONTAL MEMBERS & DETAILS
G-106.02	ADA TOUR ROUTE COMPLIANCE PLAN	A-201.01	SOUTH ELEVATION	I-208.01	CORE EXT. ELEVATION, WEST (BEDROOM)			Z-010.01	STEEL CAGE - BEAM - C14	Z-103.01	MODULE 15 - VERTICAL MEMBERS & ELEVATION
G-201.01	SOLAR ENVELOPE COMPLIANCE	A-202.01	EAST ELEVATION	I-211.01	CORE INT. ELEVATION, BATH (SOUTH+NORTH)			Z-011.01	STEEL CAGE - BEAM - C121	Z-104.01	MODULE 16 - VERTICAL MEMBERS & ELEVATION
G-601.01	AXO- SHADING DIAGRAMS	A-203.01	NORTH ELEVATION	I-212.01	CORE INT. ELEVATION, BATH (EAST+WEST)			Z-012.01	STEEL CAGE - BEAM - C122	Z-105.01	MODULE 16 - HORIZONTAL MEMBERS & DETAILS
G-901.01	EXT. RENDERING- ENTERANCE RAMP	A-204.01	WEST ELEVATION	I-301.01	LAT. SECTION- CORE, THROUGH BATH SHOWER			Z-013.01	STEEL CAGE - BEAM - C123	Z-111.01	RAILING POST - PLAN
G-903.01	EAST EXIT	A-301.01	LATERAL SECTION-THROUGH LIVING ROOM	I-302.01	LONG. SECTION- CORE, THROUGH BATH			Z-014.01	STEEL CAGE - BEAM - C124	Z-112.01	RAILING POST - TYPE 1
G-911.01	EXPLODED AXONOMETRIC 1	A-302.01	LATERAL/ LOGITUDINAL SECTION-THROUGH CORE	I-321.01	PARTITION TYPES, MILLWORK (BEDROOM)			Z-015.01	STEEL CAGE - BEAM - DF6	Z-113.01	RAILING POST TYPE 2 & 3
G-912.01	EXPLODED AXONOMETRIC 2	A-303.01	LONGITUDINAL SECTION-THROUGH CORE	I-322.01	PARTITION TYPES, MILLWORK (ENTRY)			Z-016.01	STEEL CAGE - BEAM - L135	Z-114.01	RAILING POST - TYPE 4A & 4B
G-913.01	FEASIBILITY 1	A-304.01	LONGITUDINAL SECTION- KITCHEN	I-401.01	PLAN- ENLARGED CORE PLAN, NORTH MODULE			Z-017.01	STEEL CAGE - BEAM - L157	Z-115.01	RAILING POST - TYPE 5 & 6
G-914.01	FEASIBILITY 2	A-401.01	WALL SECTION-BIFOLD DOORS	I-402.01	PLAN- ENLARGED CORE PLAN, SOUTH MODULE			Z-018.01	STEEL CAGE - BEAM - L235	Z-116.01	RAILING POST - TYPE 7
		A-402.01	WALL SECTION-SOUTH/ NORTH	I-501.01	FRAMING INSTALLATION			Z-019.01	STEEL CAGE - BEAM - L257	Z-117.01	RAILING POST - TYPE 8
		A-403.01	WALL SECTION-EAST / WEST 1	I-502.01	DETAIL- SLIDING DOORS - LIVING ROOM & BATHROOM			Z-020.01	STEEL CAGE - BEAM - LL235	Z-121.01	LANDSCAPE - HARDSCAPE A
		A-404.01	WALL SECTION-WEST/EAST 2	I-503.01	DETAIL- DOORS, MECHANICAL ROOM			Z-021.01	STEEL CAGE - BEAM - LL257	Z-122.01	LANDSCAPE - TYPICAL B MODULE
		A-405.01	WALL SECTION-HORIZONTAL, SOUTH/EAST	I-511.02	DETAIL- ENTRY, CLOSET			Z-022.01	STEEL CAGE - BEAM - R135	Z-123.01	LANDSCAPE - TYPICAL C MODULE
		A-406.01	WALL SECTION- HORIZONTAL, SOUTH/WEST	I-512.01	DETAIL- ENTRY, COAT CLOSET			Z-023.01	STEEL CAGE - BEAM - R157	Z-124.01	LANDSCAPE - TYPICAL D MODULE
		A-407.01	WALL SECTION- HORIZONTAL, NORTH/WEST	I-513.02	DETAIL- ENTRY, NICHE			Z-024.01	STEEL CAGE - BEAM - R235		
		A-408.01	WALL SECTION- HORIZONTAL, NORTH/EAST	I-514.01	ENTRY TRANSITION TO BATH OPENING			Z-025.01	STEEL CAGE - BEAM - R257		
		A-501.01	DETAIL- BI FOLD DOORS, SOUTH	I-521.02	DETAIL- LIVING ROOM, ELECTRICAL CLOSET			Z-026.01	STEEL CAGE - BEAM - RA235		
		A-502.01	DETAIL- BI FOLD DOORS, NORTH	I-522.01	DETAIL- LIVING ROOM, ACCESS TO MECH. ROOM			Z-027.01	STEEL CAGE - BEAM - RA257		
		A-503.01	DETAIL- BUILDING BLOCK, TYPE A	I-523.02	DETAIL- LIVING ROOM, TV CABINET			Z-028.01	STEEL CAGE - BEAM - RR135		
		A-504.01	DETAIL- BUILDING BLOCK, TYPE B	I-524.02	DETAIL- LIVING ROOM, HOME OFFICE CABINET			Z-029.01	STEEL CAGE - BEAM - RR157		
		A-505.01	DETAIL- BUILDING BLOCK, TYPE C	I-525.02	DETAIL - LIVING ROOM, MONITORING CLOSET			Z-030.01	STEEL CAGE - BEAM - RR 235		
		A-506.01	DETAIL- BUILDING BLOCK, TYPE D	I-531.01	DETAIL- KITCHEN, REFRIGERATOR CABINET			Z-031.01	STEEL CAGE - BEAM RR 257		
		A-507.01	DETAIL- BUILDING BLOCK, TYPE E	I-532.02	DETAIL- KITCHEN, SINK CABINET			Z-032.01	STEEL CAGE - COLUMN - T1 TO T4		
		A-511.01	DETAIL- LATERAL SECTION THROUGH BUILDING	I-533.01	DETAIL- KITCHEN, DISHWASHER			Z-041.01	DUNNAGE - BEAM - B0		
		A-512.01	DETAIL- NORTH ENTRANCE CANOPY	I-534.02	DETAIL- KITCHEN, OVEN+COOKTOP CABINET			Z-042.01	DUNNAGE - BEAM - B1		
		A-514.01	PARAPET FRAMING PLAN	I-535.01	DETAIL- KITCHEN, RIGHT BASE CABINET			Z-043.01	DUNNAGE - BEAM - B2		
		A-515.01	DETAIL- PARAPET	I-541.02	DETAIL- WALL CABINET/HOOD CABINET			Z-044.01	DUNNAGE - BEAM - B2'		
		A-531.01	DETAIL- ROOF PENETRETIIONS	I-542.01	DETAIL- BEDROOM, MURPHY BED CABINET			Z-045.01	DUNNAGE - BEAM - B3		
		A-533.01	DETAIL- SKYLIGHT	I-542.02	DETAIL- BEDROOM, ACCESS TO MECHANICAL ROOM			Z-046.01	DUNNAGE - BEAM - B4		
		A-541.01	DETAIL- PHOTOVOLTAIC TRELLIS	I-551.01	DETAIL- VENTILATION SWITCH 1 OF 2			Z-047.01	DUNNAGE - BEAM - B5		
		A-561.01	DETAILS- CEILING AND FLOOR	I-552.01	DETAIL- VENTILATION SWITCH 2 OF 2			Z-048.01	DUNNAGE - BEAM - B5M		
		A-562.01	DETAILS- CEILING AND LIGHT FIXTURES	I-561.01	DETAIL- BATHROOM, MEDICINE CABINET			Z-049.01	DUNNAGE - BEAM - B6		
		A-601.01	SCHEDULE- BUILDING BLOCKS/WINDOWS	I-562.01	DETAIL- BATH, SINK+FLOW METERINSTALLATION			Z-050.01	DUNNAGE - BEAM - B7		
		A-602.1	SCHEDULE BUILDING BLOCKS / WINDOWS	I-563.01	DETAIL- BATH, SHOWER TRAY DRAIN			Z-051.01	DUNNAGE - BEAM - B8		
		A-603.01	SCHEDULE- DOORS	I-564.01	DETAIL- BATH, TILED NICHE DETAIL			Z-052.01	DUNNAGE - BEAM - B9		
		A-604.01	SCHEDULE- APPLIANCES	I-565.01	DETAIL- BATH, LAUNDRY CABINET/SHELF			Z-053.01	DUNNAGE - BEAM - B10		
		A-611.01	OPERATIONAL DIAGRAM, FACADE STRATEGY	I-601.03	SCHEDULE- FINISHES			Z-054.01	DUNNAGE - BEAM - B11		
				I-602.01	SCHEDULE- HARDWARE			Z-055.01	DUNNAGE - BEAM - B12		
				I-603.01	SCHEDULE-PARTITION TYPES			Z-056.01	DUNNAGE - BEAM - B13		
				I-901.01	RENDERING- LIVING ROOM			Z-057.01	DUNNAGE - BEAM - B14		
								Z-058.01	DUNNAGE - BEAM - B15		
								Z-059.01	DUNNAGE - BEAM - B16		
								Z-060.01	DUNNAGE - BEAM - B17		
								Z-061.01	DUNNAGE - BEAM - B18		
								Z-071.01	MODULE 1 - VERTICAL MEMBERS & ELEVATION		
								Z-072.01	MODULE 1 - HORIZONTAL MEMBERS & ELEVATION		
								Z-073.01	MODULE 2 - VERTICAL MEMBERS & ELEVATION		
								Z-074.01	MODULE 2 - HORIZONTAL MEMBERS & ELEVATION		
								Z-075.01	MODULE 3 - VERTICAL MEMBERS & ELEVATION		
								Z-076.01	MODULE 3 - HORIZONTAL MEMBERS & DETAILS		
								Z-077.01	MODULE 4 - VERTICAL MEMBERS & ELEVATION		
								Z-078.01	MODULE 4 - HORIZONTAL MEMBERS & ELEVATION		
								Z-079.01	MODULE 5 - HORIZONTAL MEMBERS & ELEVATION		
								Z-080.01	MODULE 5 - VERTICAL MEMBERS & ELEVATION		
								Z-081.01	MODULE 6 - HORIZONTAL MEMBERS & ELEVATION		
								Z-082.01	MODULE 6 - VERTICAL MEMBERS & ELEVATION		
								Z-083.01	MODULE 7 - HORIZONTAL MEMBERS & ELEVATION		
								Z-084.01	MODULE 7 - VERTICAL MEMBERS & ELEVATION		
								Z-086.01	MODULE 8 - HORIZONTAL MEMBERS & ELEVATION		
								Z-088.01	MODULE 8 - VERTICAL MEMBERS & ELEVATION		
								Z-089.01	MODULE 9 - HORIZONTAL MEMBERS & ELEVATION		
								Z-090.01	MODULE 9 - VERTICAL MEMBERS & ELEVATION		
								Z-091.01	MODULE 10 - HORIZONTAL MEMBERS & ELEVATION		
								Z-092.01	MODULE 10 - VERTICAL MEMBERS & ELEVATION		
L-101.02	DECK AND ROOF PLAN										
L-102.02	GROUND SUPPORT PLAN										
L-103.01	DECK STRUCTURE										
L-104.02	DECK PLAN + MATERIAL										
L-111.02	IRRIGATION PLAN										
L-112.01	PLANTING LAYOUT										
L-113.01	DECK LIGHTING PLAN										
L-114.01	ROOF LIGHTING PLAN										
L-201.01	SITE ELEVATION- NORTH AND SOUTH										
L-202.01	SITE ELEVATION- EAST AND WEST										
L-211.01	DETAIL- RAMP (SECTION + ELEVATION)										
L-301.01	SITE SECTION- LONGITUDINAL & LATERAL										
L-401.01	DETAIL- TYPICAL "A" HARDSCAPE MODULE										
L-402.01	DETAIL- TYPICAL "E" SOFTSCAPE MODULE										
L-403.01	TYPICAL "B" HARD/SOFTSCAPE MODULE										
L-404.01	DETAIL- TYPICAL "C" HARD/SOFTSCAPE MODULE										
L-405.01	DETAIL- TYPICAL "D" HARD/SOFTSCAPE MODULE										
L-406.01	DETAIL - SOUTH PORCH										
L-407.01	DETAIL- NORTH PORCH										
L-501.01	IRRIGATION DETAIL										
L-511.01	DETAIL- RAMP 1										
L-512.01	DETAIL - RAMP 2										
L-513.01	DETAIL - RAMP 3										
L-514.01	DETAIL - RAMP 4										
L-515.01	DETAIL - RAMP NOSING										
L-541.01	EXTERIOR LIGHTING DETAILS										
L-601.01	PLANTING SCHEDULE										
L-901.01	DECK ASSEMBLY										
L-902.01	RAMP ASSEMBLY										
L-903.01	COMBO MODULE AND RAMP ASSEMBLY 1										
L-904.01	COMBO MODULE AND RAMP ASSEMBLY 2										
S-001.01	STRUCTURAL NOTES										
S-002.02	GROUND SUPPORTING DUNNAGE PLAN										
S-003.01	FLOOR AND ROOF FRAMING PLAN										
S-004.01	ROOF SPACE FRAME FRAMING PLAN										
S-005.01	SECTIONS										
S-006.01	GROUND CONTACT SOIL BEARING PRESSURE										
S-007.01	SHIMMING CONDITIONS										

CLIMATIC AND GEOGRAPHIC CRITERIA

	GROUND SNOW LOAD	WIND SPEED	SEISMIC DESIGN CATEGORY	RISK OF DAMAGE COMMITTED BY:			WINTER DESIGN TEMP.	AIR FREEZING INDEX	MEAN DAILY MAX. TEMP.	MEAN DAILY MIN. TEMP.
				WEATHERING	TERMITE	DECAY				
WASHINGTON, D.C.	25 PSF	90 MPH	A	SEVERE	MODERATE TO HEAVY	SLIGHT TO MODERATE	17° F	17° F	66.5° F	48.9° F
NEW YORK, NY	25 PSF	90 MPH	A	SEVERE	MODERATE TO HEAVY	SLIGHT TO MODERATE	17° F	17° F	66.8° F	51.5° F

CODE ANALYSIS

	APPLICABLE DESIGN CODES	APPLICABLE HANDICAP CODE	APPLICABLE FIRE CODE	GROUP CLASSIFICATION	CONSTRUCTION TYPE	BUILDING AREA (GSF)	BUILDING HEIGHT ABOVE GRADE
WASHINGTON, D.C.	· 2009 INTERNATIONAL RESIDENTIAL CODE (IRC) · 2011 SOLAR DECATHLON BUILDING CODE, SUPERCEDE IRC	2006 IBC Chapter 11 and ICC/ANSI A117.1-2003.	IRC Section P2904 or NFPA 13D	J, RESIDENTIAL	V	930 SF	18'
NEW YORK, NY	· 2008 NYC BUILDING CODE · NYC ZONING RESOLUTION	ANSI A117.1-2003	NFPA 13D	J, RESIDENTIAL	V	930 SF	18'

STRUCTURAL DESIGN LOADS

MINIMUM DESIGN LOADS	WIND	RAILINGS	INTERIOR FLOOR, DECK, RAMPS	ROOF (LIVE LOAD)	SNOW	SOIL
NYC BUILDING CODE 2008	98 MPH, EXPOSURE B	200 LBS	50 PSF	20 PSF	25 PSF, GROUND	N/A
SOLAR DECATHLON 2011	60 MPH, EXPOSURE C	200 LBS	50 PSF	20 PSF	N/A	1,500 PSF

THERMAL DESIGN CRITERIA

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	SHGC	CEILING R-VALUE	WOOD FRAME R-VALUE	FLOOR R-VALUE
WASHINGTON, D.C.	0.2 - 0.25	0.28	35%-60%	45	35	35
NEW YORK, NY	0.2 - 0.25	0.28	35%-60%	45	35	35

COMCHECK 2009 ANALYSIS AND IECC COMPLIANCE

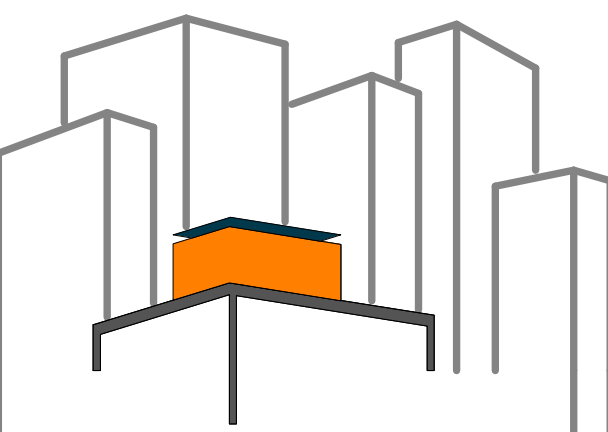
SEE PROJECT MANUAL COMCHECK SECTION FOR FULL REPORT

DESIGN INTENT

AS COLLEGE STUDENTS LIVING IN NEW YORK CITY, WE DESIGNED OUR SOLAR DECATHLON ENTRY TO RESPOND PARTICULARLY TO SUCH A DENSE URBAN CONDITION. OUR SOLAR ROOF POD TAKES ADVANTAGE OF AND BENEFITS SOME OF THE MOST UNDERUTILIZED REAL ESTATE IN THE CITY: THE FLAT ROOFTOPS OF EXISTING LARGE COMMERCIAL AND RESIDENTIAL BUILDINGS.

OUR NET-ZERO ENERGY ROOF POD ACCOMPLISHES THESE GOALS WITH ITS THREE COMPONENTS: (1) THE PV 'TRELLIS' AND SOLAR THERMAL ARRAY POWERS, SHADES, AND CONDITIONS THE LIVING UNIT BELOW AND ENJOYS OPTIMUM SOLAR ACCESS; (2) THE MODULARLY CONCEIVED LIVING UNIT, OR "POD", IS ORGANIZED AROUND A COMPACT SERVICE CORE THAT MAXIMIZES FLEXIBLE USE OF SPACE AND PROVIDES SCENIC SKYLINE VIEWS; (3) THE ROOF DECK SUPPORTS THE POD AND DISTRIBUTES ITS LOAD TO THE HOST BUILDING, WHILE PROVIDING OUTDOOR LIVING AND GARDENING SPACE.

OUR SOLUTION BENEFITS ITS HOST BUILDING AND CITY GRID THROUGH THE DISTRIBUTION OF EXCESS ENERGY, WHILE CONTRIBUTING TO OVERALL URBAN QUALITY OF LIFE: AMENITY OPEN SPACE, HEAT ISLAND MITIGATION, STORMWATER MANAGEMENT AND CARBON EMISSIONS REDUCTION-EACH A FOCUS OF NEW YORK CITY'S LONG-TERM SUSTAINABILITY INITIATIVE, PLANYC 2030.



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: MICHAEL CHENG

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:38:39 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

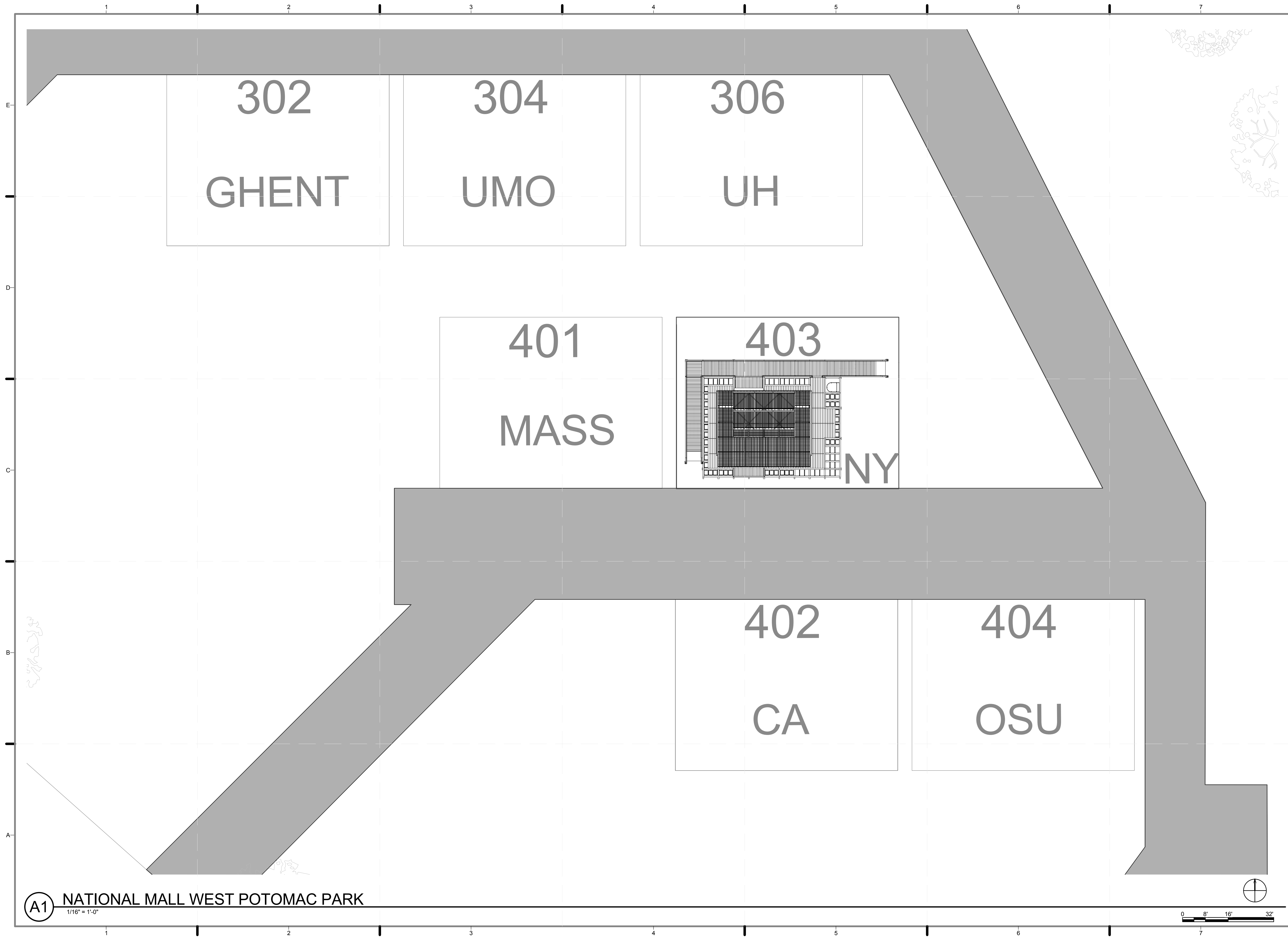
SHEET TITLE:

DESIGN INTENT +
DESIGN CRITERIA +
REGULATORY
SUMMARY

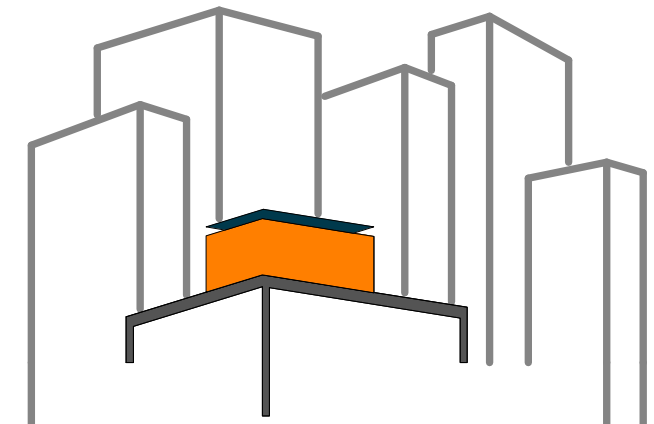
SCALE: NTS

PLAN #:

G-006.01



(A1) NATIONAL MALL WEST POTOMAC PARK
 1/16" = 1'-0"



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

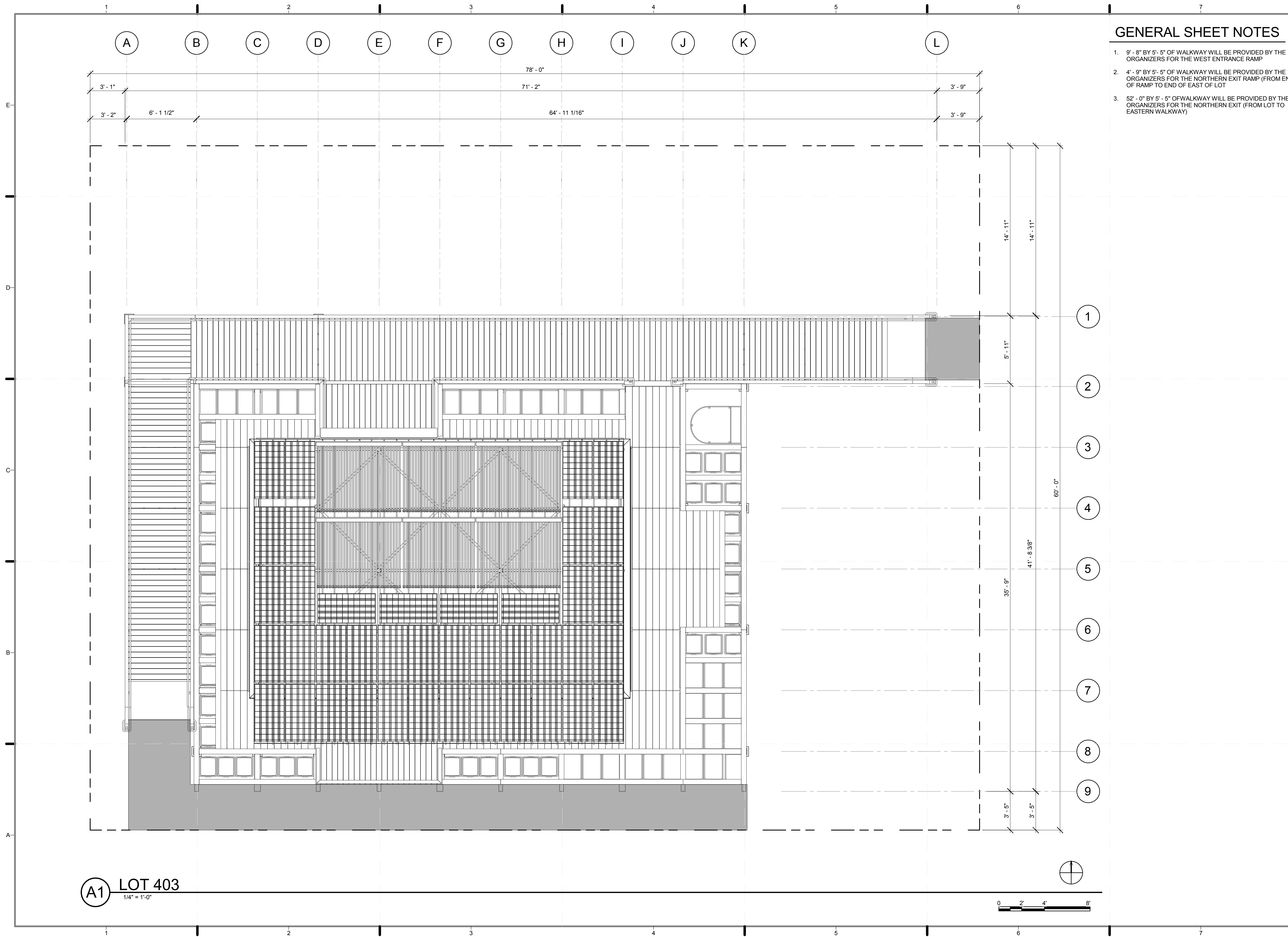
LOT NUMBER: 403
 DRAWN BY: CARLOS MATUTE
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:39:07 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 SITE PLAN-
 WASHINGTON D.C.

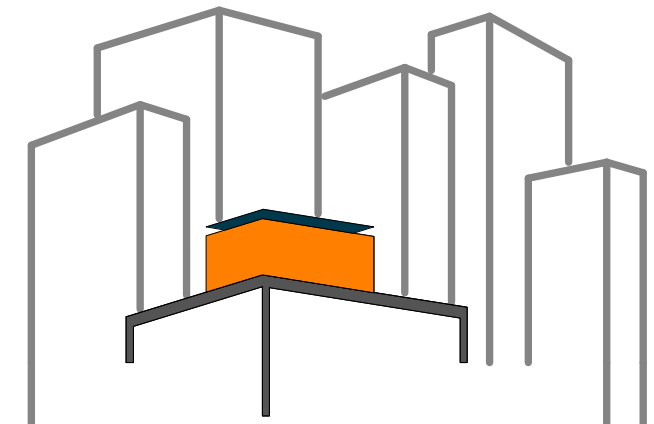
SCALE: 1/16"=1'-0"
 PLAN #:

G-102.02



GENERAL SHEET NOTES

1. 9' - 8" BY 5' - 5" OF WALKWAY WILL BE PROVIDED BY THE ORGANIZERS FOR THE WEST ENTRANCE RAMP
2. 4' - 9" BY 5' - 5" OF WALKWAY WILL BE PROVIDED BY THE ORGANIZERS FOR THE NORTHERN EXIT RAMP (FROM END OF RAMP TO END OF EAST OF LOT
3. 52' - 0" BY 5' - 5" OF WALKWAY WILL BE PROVIDED BY THE ORGANIZERS FOR THE NORTHERN EXIT (FROM LOT TO EASTERN WALKWAY)



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: YINERY BAEZ
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:39:27 PM

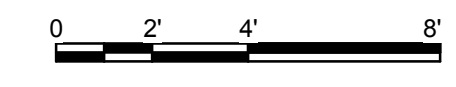
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

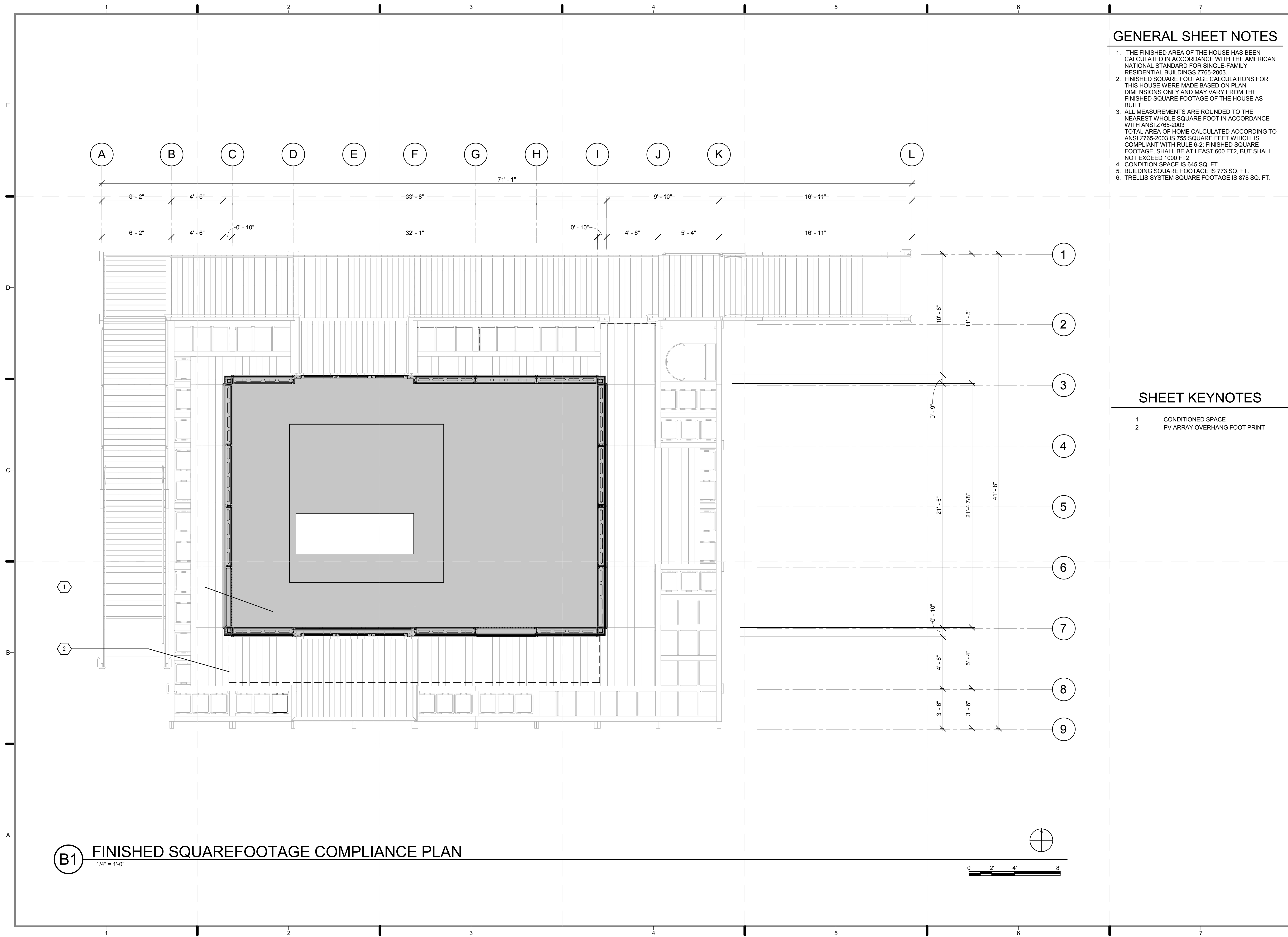
SHEET TITLE:
SITE PLAN- LOT 111, NATIONAL MALL

SCALE: 1/4"=1'-0"
PLAN #:

G-103.02

A1 LOT 403
1/4" = 1'-0"





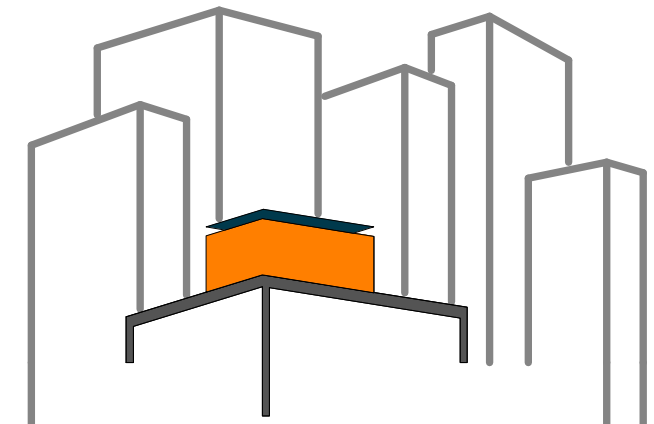
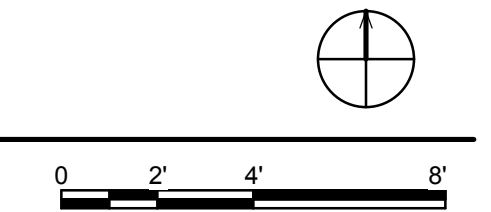
GENERAL SHEET NOTES

1. THE FINISHED AREA OF THE HOUSE HAS BEEN CALCULATED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARD FOR SINGLE-FAMILY RESIDENTIAL BUILDINGS Z765-2003.
2. 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.
3. ALL MEASUREMENTS ARE ROUNDED TO THE NEAREST WHOLE SQUARE FOOT IN ACCORDANCE WITH ANSI Z765-2003.
TOTAL AREA OF HOME CALCULATED ACCORDING TO ANSI Z765-2003 IS 755 SQUARE FEET WHICH IS COMPLIANT WITH RULE 6-2; FINISHED SQUARE FOOTAGE SHALL BE AT LEAST 600 FT², BUT SHALL NOT EXCEED 1000 FT².
4. CONDITION SPACE IS 645 SQ. FT.
5. BUILDING SQUARE FOOTAGE IS 773 SQ. FT.
6. TRELLIS SYSTEM SQUARE FOOTAGE IS 878 SQ. FT.

SHEET KEYNOTES

1. CONDITIONED SPACE
2. PV ARRAY OVERHANG FOOT PRINT

B1 FINISHED SQUAREFOOTAGE COMPLIANCE PLAN
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

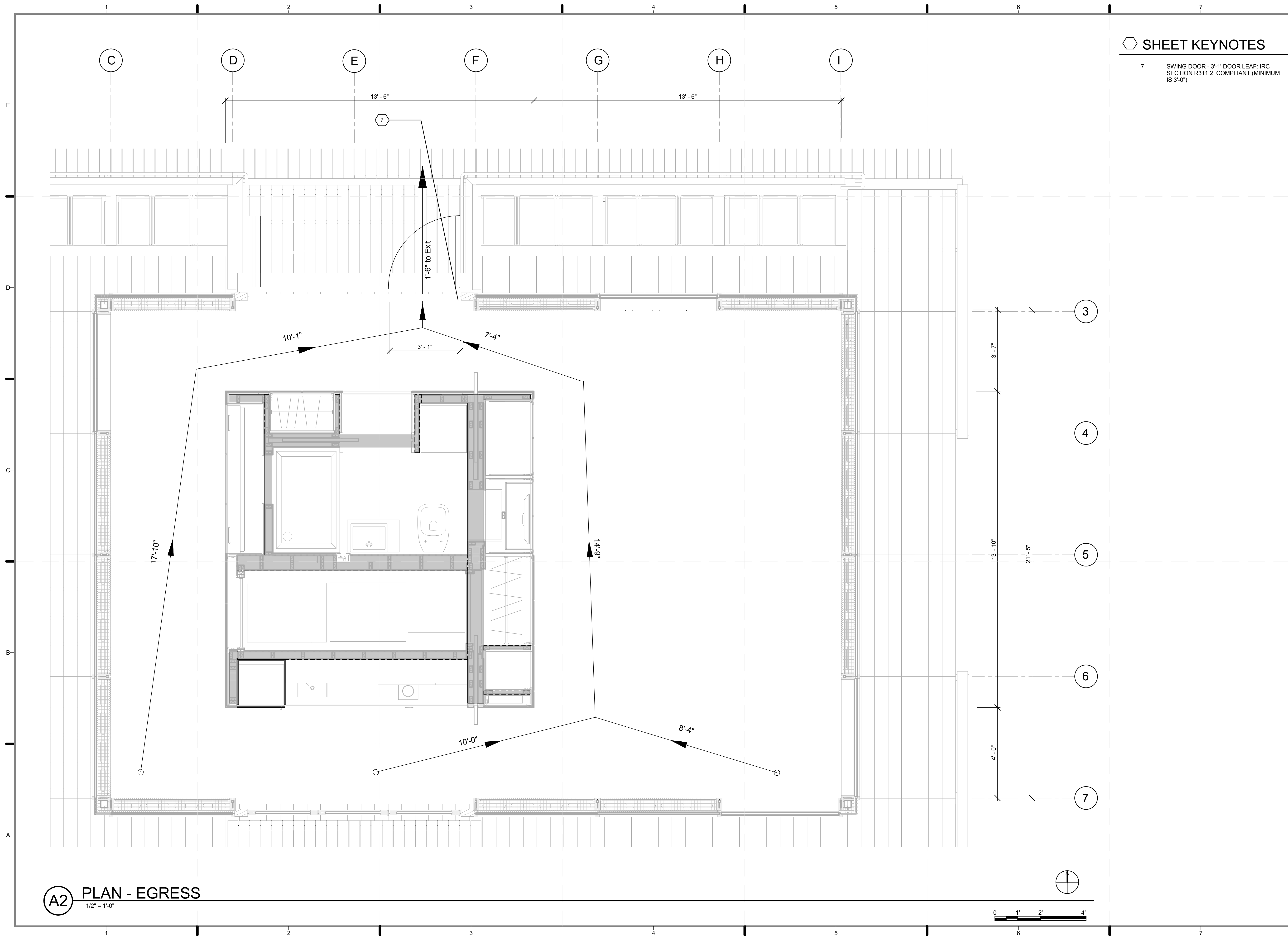
LOT NUMBER: 403
DRAWN BY: ISKRA PETROVA
CHECKED BY: CHRISTIAN VOLKMANN
DATE: 8/12/2011 10:39:37 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
FINISHED SQUARE FOOTAGE COMPLIANCE PLAN

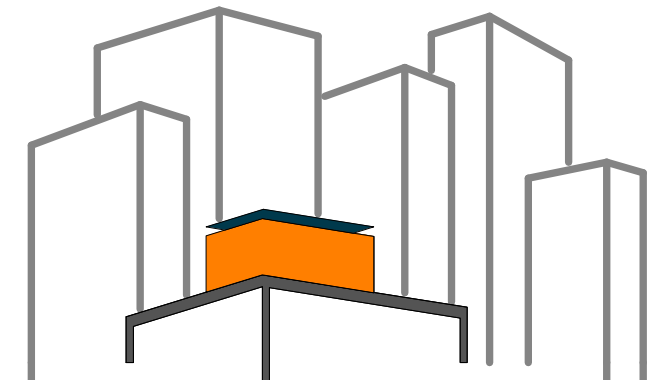
SCALE: 1/4" = 1'-0"
PLAN #:

G-104.01



SHEET KEYNOTES

7 SWING DOOR - 3'-1" DOOR LEAF: IRC SECTION R311.2 COMPLIANT (MINIMUM IS 3'-0")



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **ROSTYSLAV PECHENYY**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:39:45 PM**

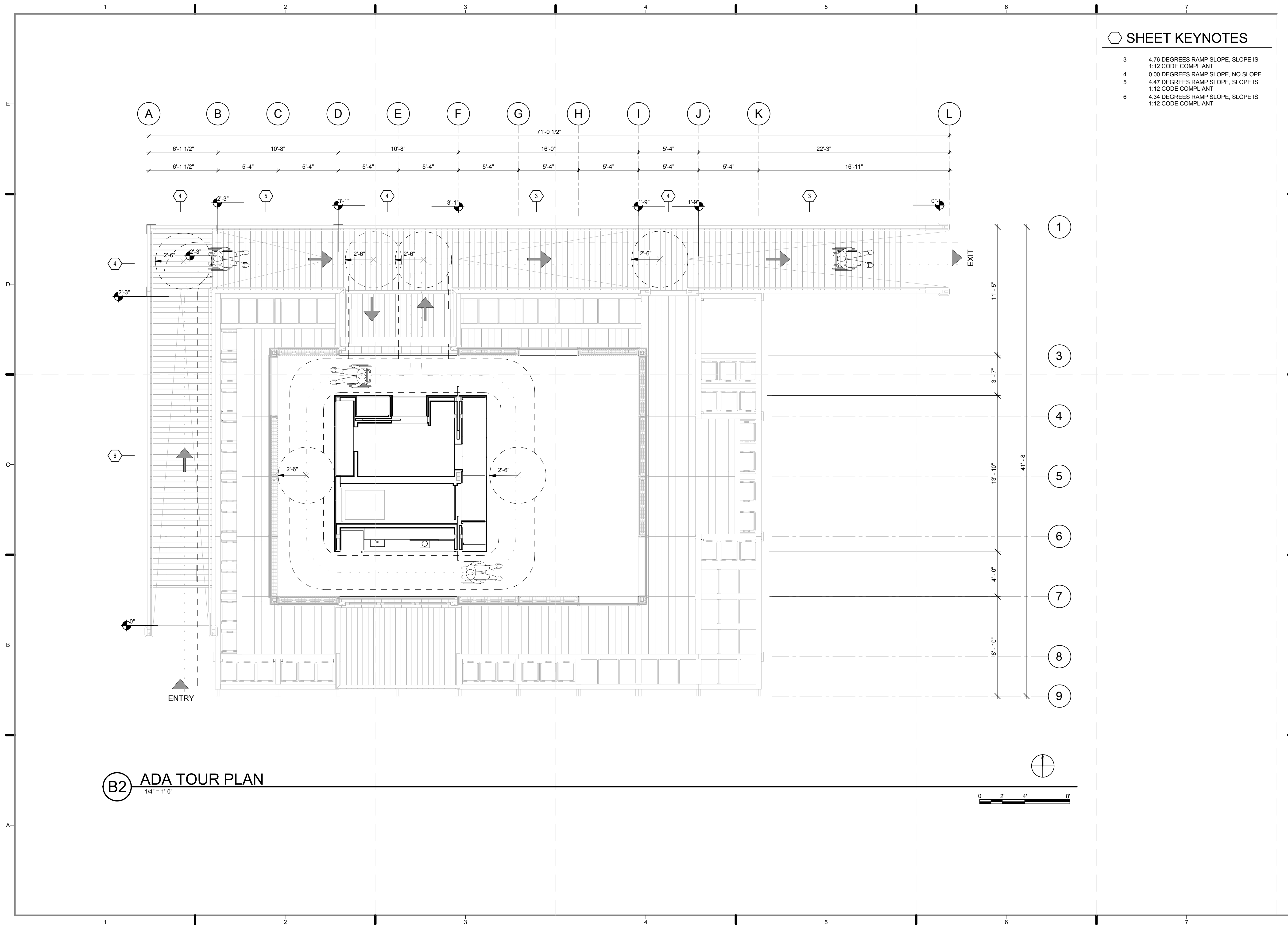
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
EGRESS PLAN

SCALE: **1/2" = 1'-0"**
PLAN #:

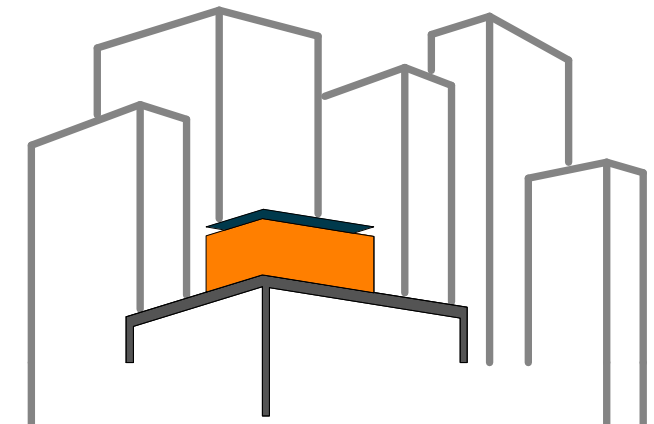
G-105.02

A2 PLAN - EGRESS
1/2" = 1'-0"



SHEET KEYNOTES

- 3 4.76 DEGREES RAMP SLOPE, SLOPE IS 1:12 CODE COMPLIANT
- 4 0.00 DEGREES RAMP SLOPE, NO SLOPE
- 5 4.47 DEGREES RAMP SLOPE, SLOPE IS 1:12 CODE COMPLIANT
- 6 4.34 DEGREES RAMP SLOPE, SLOPE IS 1:12 CODE COMPLIANT



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: ROSTYSLAV PECHENYY
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:39:52 PM

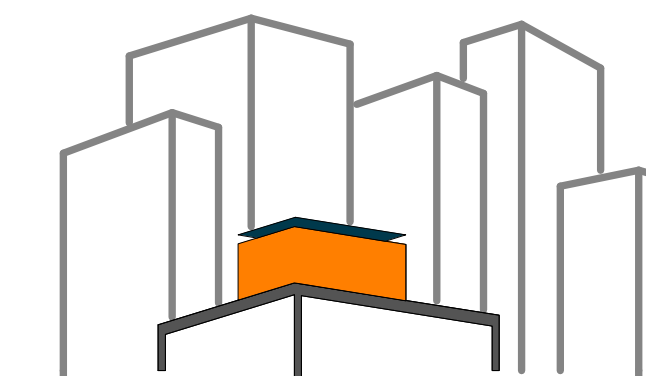
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
ADA TOUR ROUTE COMPLIANCE PLAN

SCALE: 1/4" = 1'-0"
PLAN #:

G-106.02

B2 ADA TOUR PLAN
1/4" = 1'-0"



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAKAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:40:16 PM

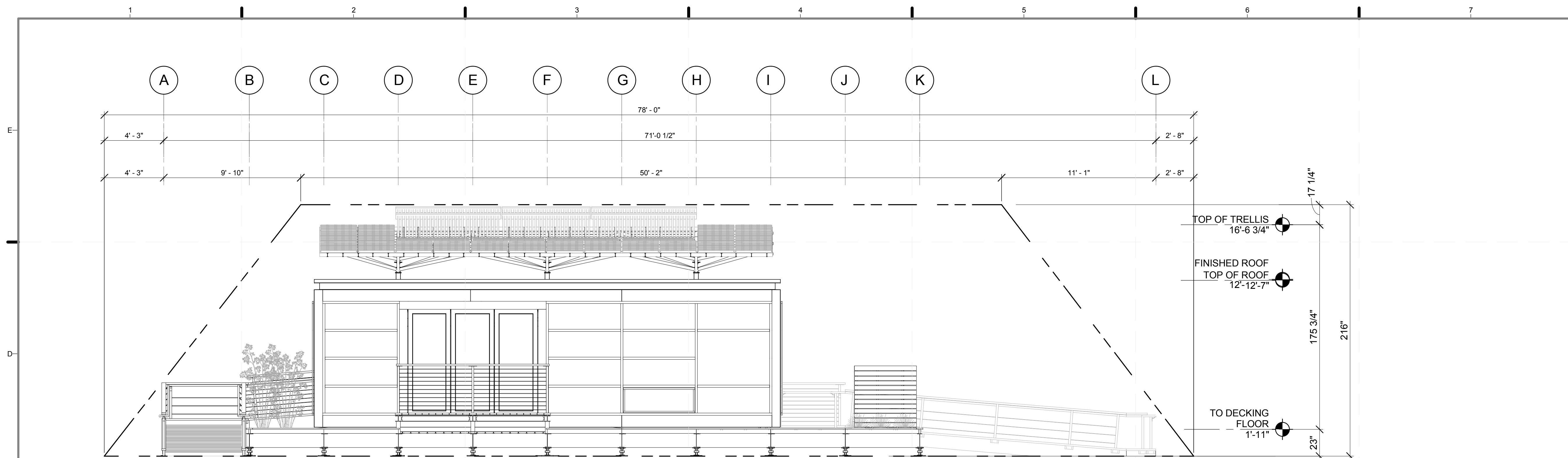
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SOLAR ENVELOPE
COMPLIANCE

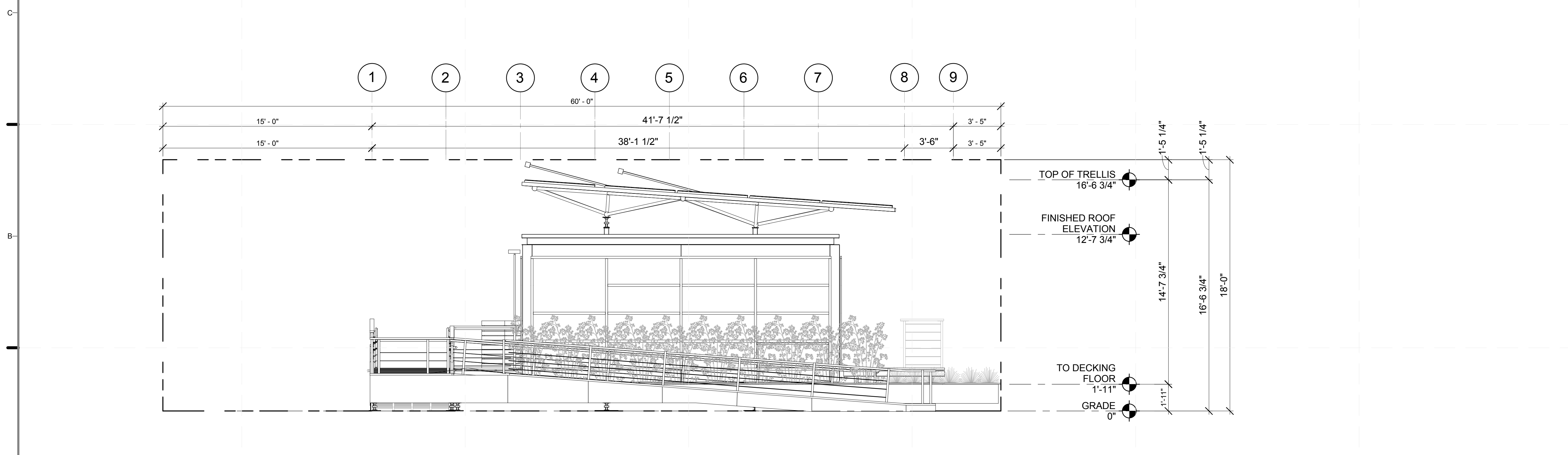
SCALE: 1/4" = 1'-0"

PLAN #:

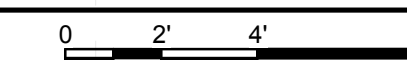
G-201.01

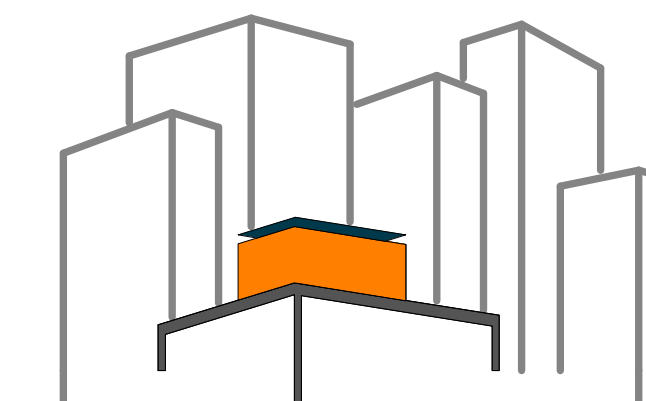


D1 EAST/WEST SOLAR ENVELOPE COMPLIANCE
1/4" = 1'-0"



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





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **SAMUEL MIKHAIL**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:40:59 PM**

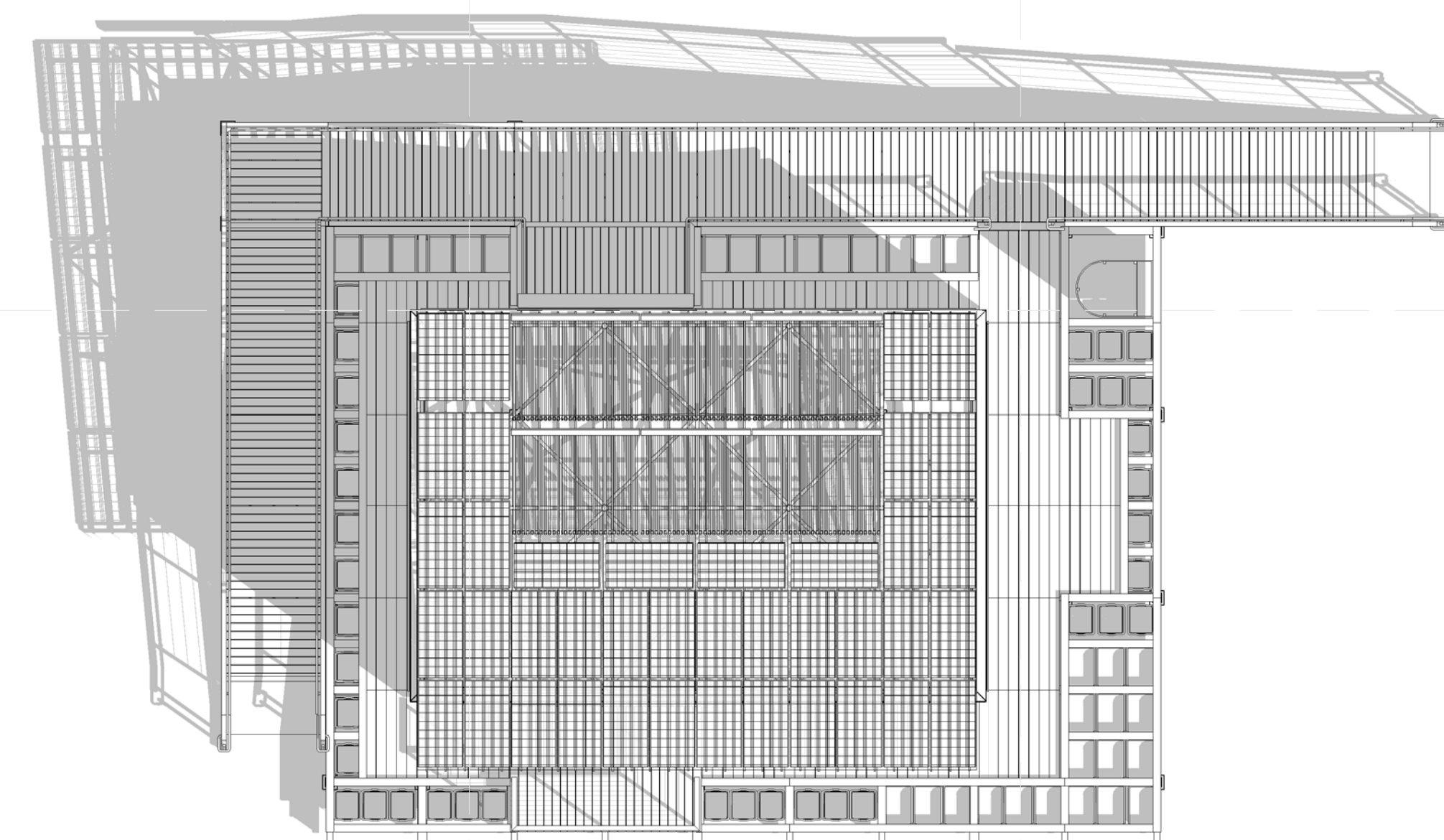
**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

SHEET TITLE:
**AXO- SHADING
DIAGRAMS**

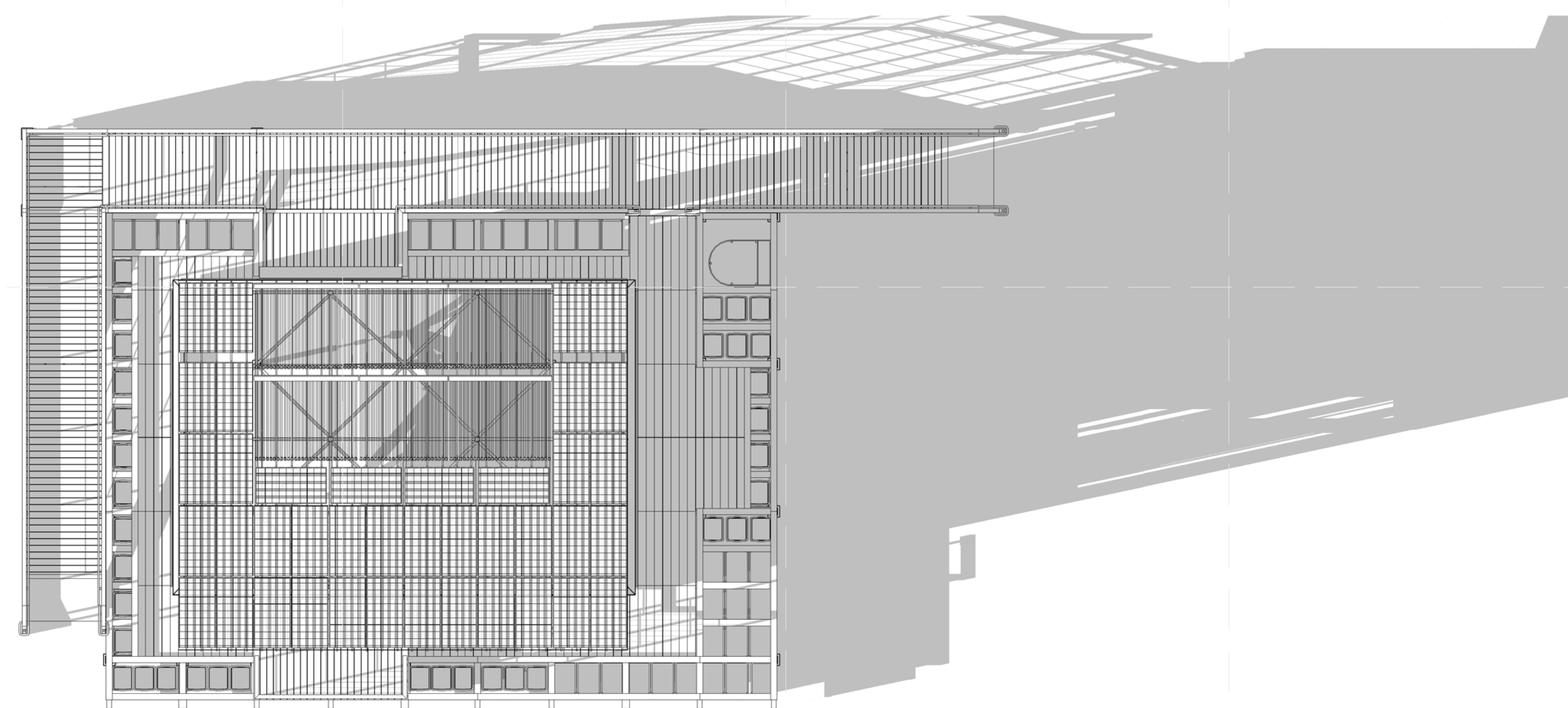
SCALE: **NTS**

PLAN #:

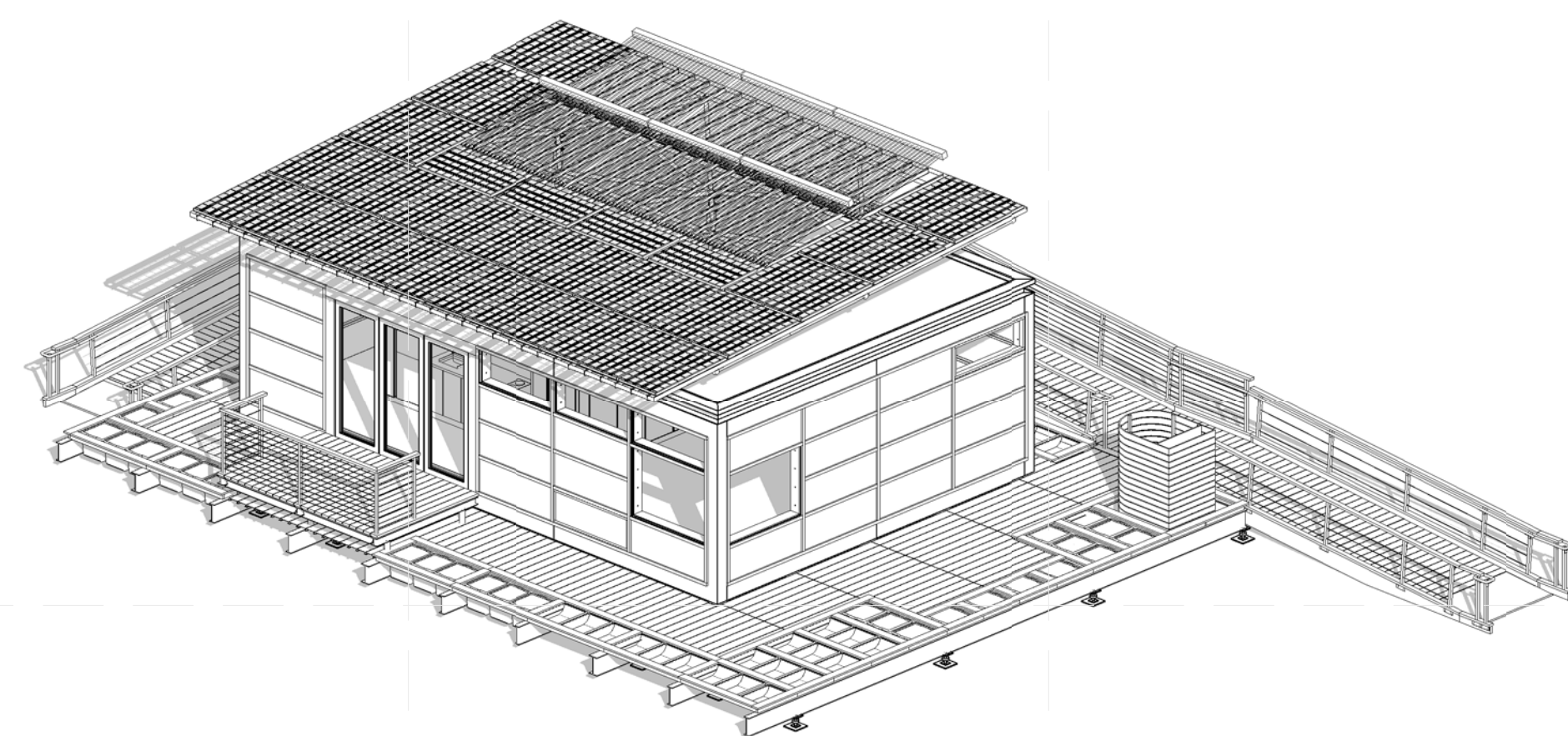
G-601.01



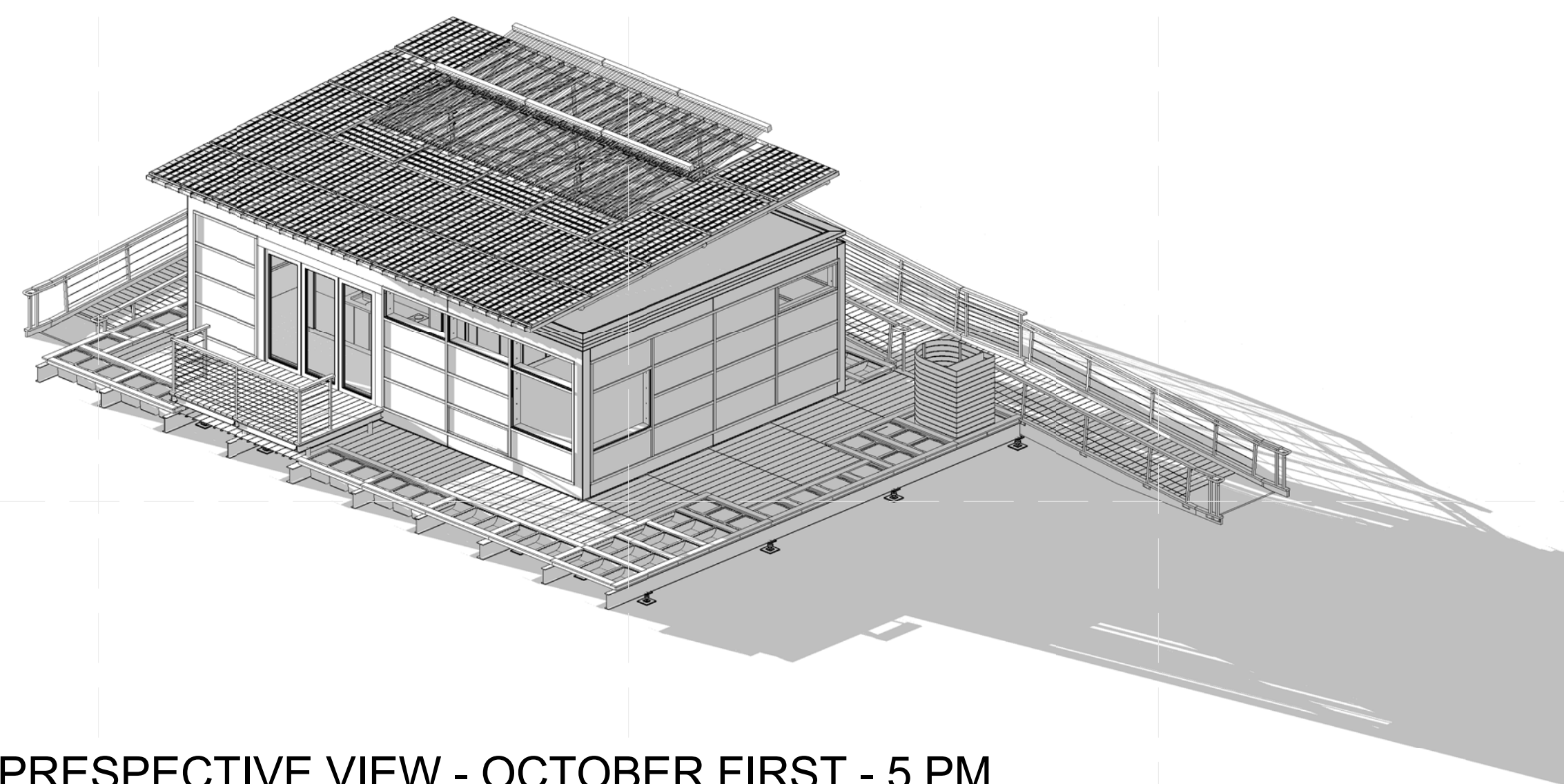
D1 SHADED PLAN VIEW - OCTOBER FIRST - 9 AM



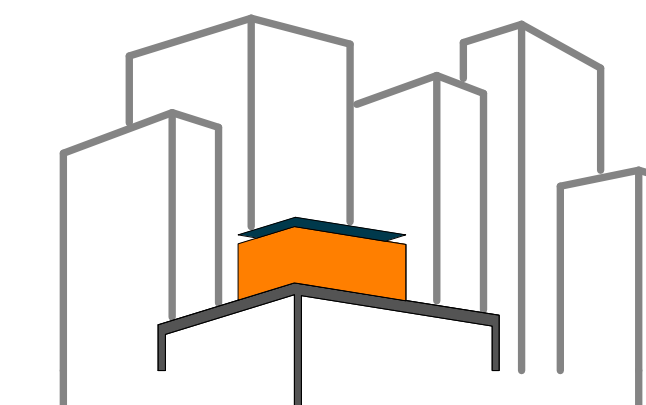
D4 SHADED PLAN VIEW - OCTOBER FIRST - 5 PM



A1 SHADED PRESPECTIVE VIEW- OCTOBER FIRST - 9 AM



A4 SHADED PRESPECTIVE VIEW - OCTOBER FIRST - 5 PM



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: SAMUEL MIKHAIL

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:41:16 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
EXT. RENDERING-
ENTRANCE RAMP

SCALE: **NTS**

PLAN #:

G-901.01

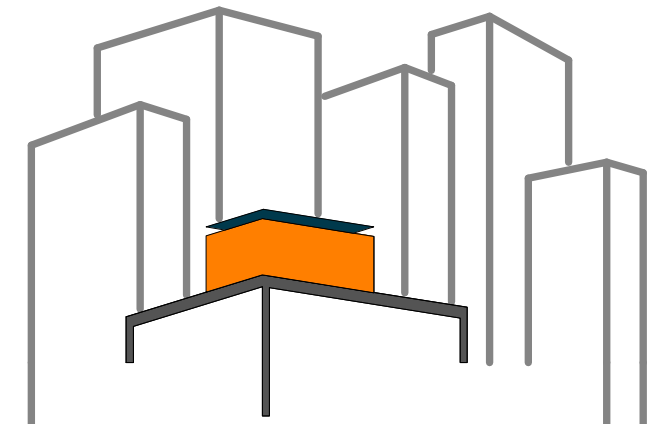


(A1) DECATHLETE WAY
NTS



TEAM NEW YORK: THE SOLAR ROOF POD

(B1) EXIT RAMP
NTS



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

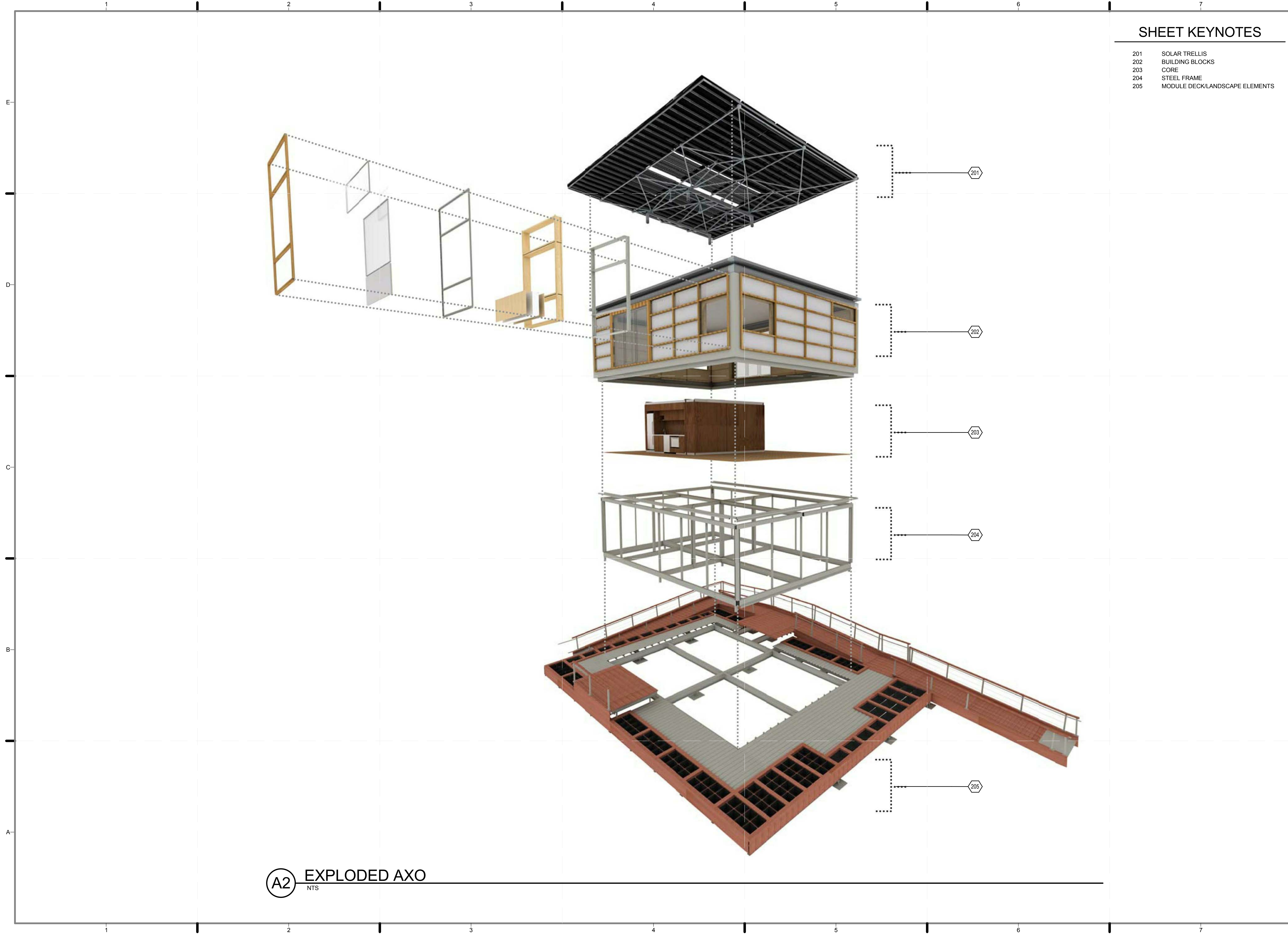
LOT NUMBER: 403
DRAWN BY: SAMUEL MIKHAIL
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:41:21 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
EAST EXIT

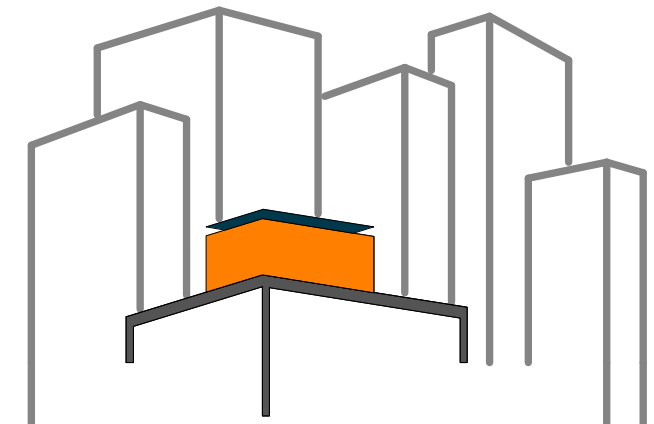
SCALE: **NTS**
PLAN #:

G-903.01



SHEET KEYNOTES

- 201 SOLAR TRELIS
- 202 BUILDING BLOCKS
- 203 CORE
- 204 STEEL FRAME
- 205 MODULE DECK/LANDSCAPE ELEMENTS



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: PABLO PATINO
CHECKED BY: JUNE WILLIAMSON
DATE: 8/12/2011 10:41:25 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

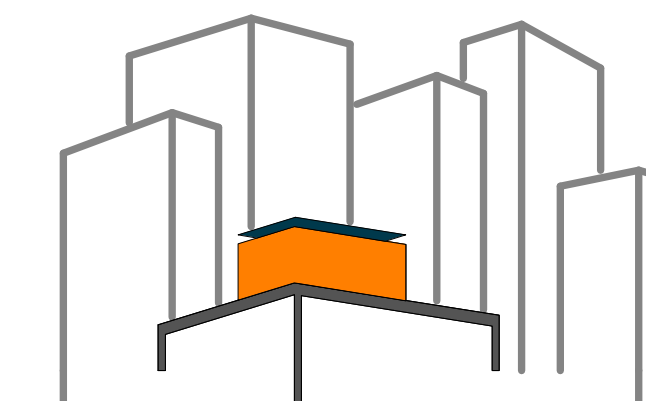
SHEET TITLE:
EXPLODED
AXONOMETRIC 1

SCALE: NTS

PLAN #:

G-911.01

A2 EXPLODED AXO
NTS



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: RELBIN THOMAS

CHECKED BY: JUNE WILLIAMSON

DATE: 8/12/2011 10:41:26 PM

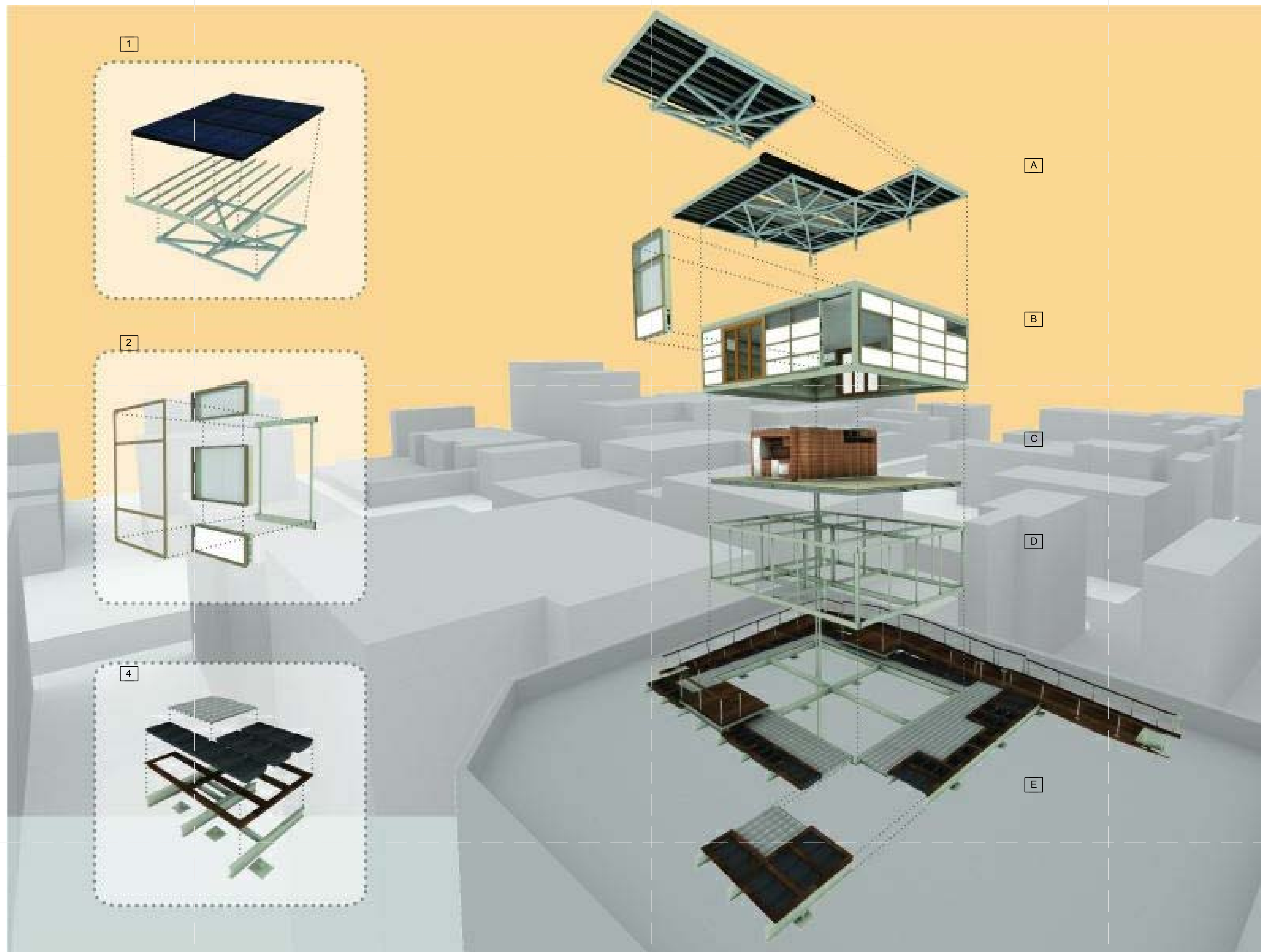
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
EXPLODED
AXONOMETRIC 2

SCALE: NTS

PLAN #:

G-912.01



LEGEND

A SOLAR TRELLIS

- 1 PV PANELS
- RACKING SYSTEM
- SPACE FRAME
- EVACUATED TUBES

B ENVELOPE

- 2 GLAZED BLOCK
- GLAZED BLOCK
- OPAQUE BLOCK

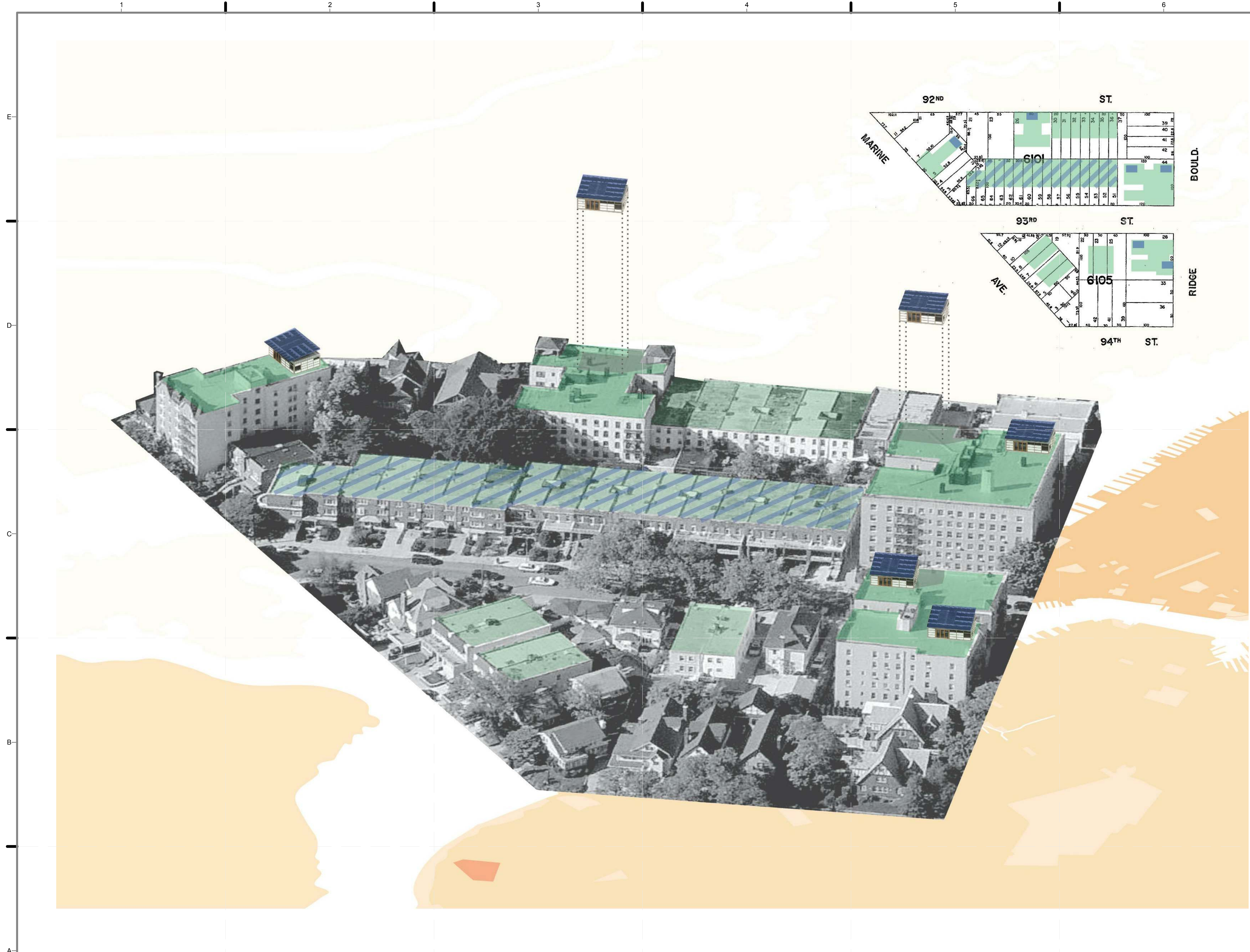
C CORE

D STRUCTURAL FRAME

E SOLAR TRELLIS

- 3 TRACTION TREAD
- GARDEN PLANTERS
- JACKS





A1 EXPLODED AXONOMETRIC
NTS

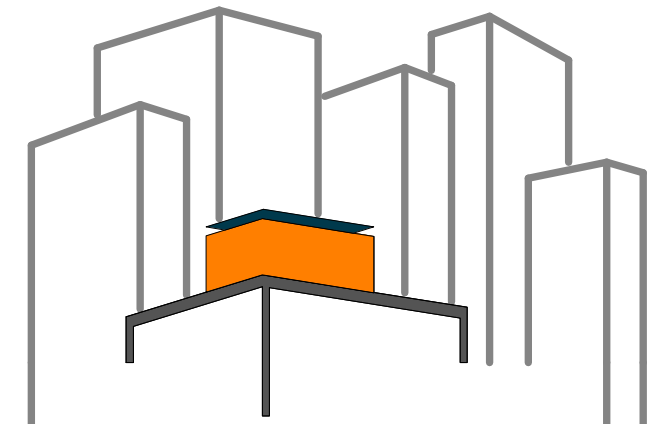


GENERAL SHEET NOTES

1. TAKING TWO BLOCKS IN A TYPICAL BROOKLYN NEIGHBORHOOD, MOST BUILDINGS WERE IDENTIFIED AS SUITABLE TO SUPPORT A GREEN ROOF. THE LARGER BUILDINGS ARE ABLE TO SUPPORT ROOFPOD AND BIOMASS.
2. LARGE ROOFTOP SPACE ON BUILDINGS TOO SMALL TO SUPPORT ROOFPADS CAN STILL HOLD GREEN ROOFS TO MITIGATE URBAN HEAT ISLAND EFFECT AND CARBON SEQUESTRATION, AS WELL AS SOLAR PANELS FOR POWER.

LEGEND

-  ROOF POD
-  GREEN ROOF
-  SOLAR ARRAY
-  COMBINATION



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **BILLY SCHAEFER**
CHECKED BY: **JUNE WILLIAMSON**
DATE: **8/12/2011 10:41:30 PM**

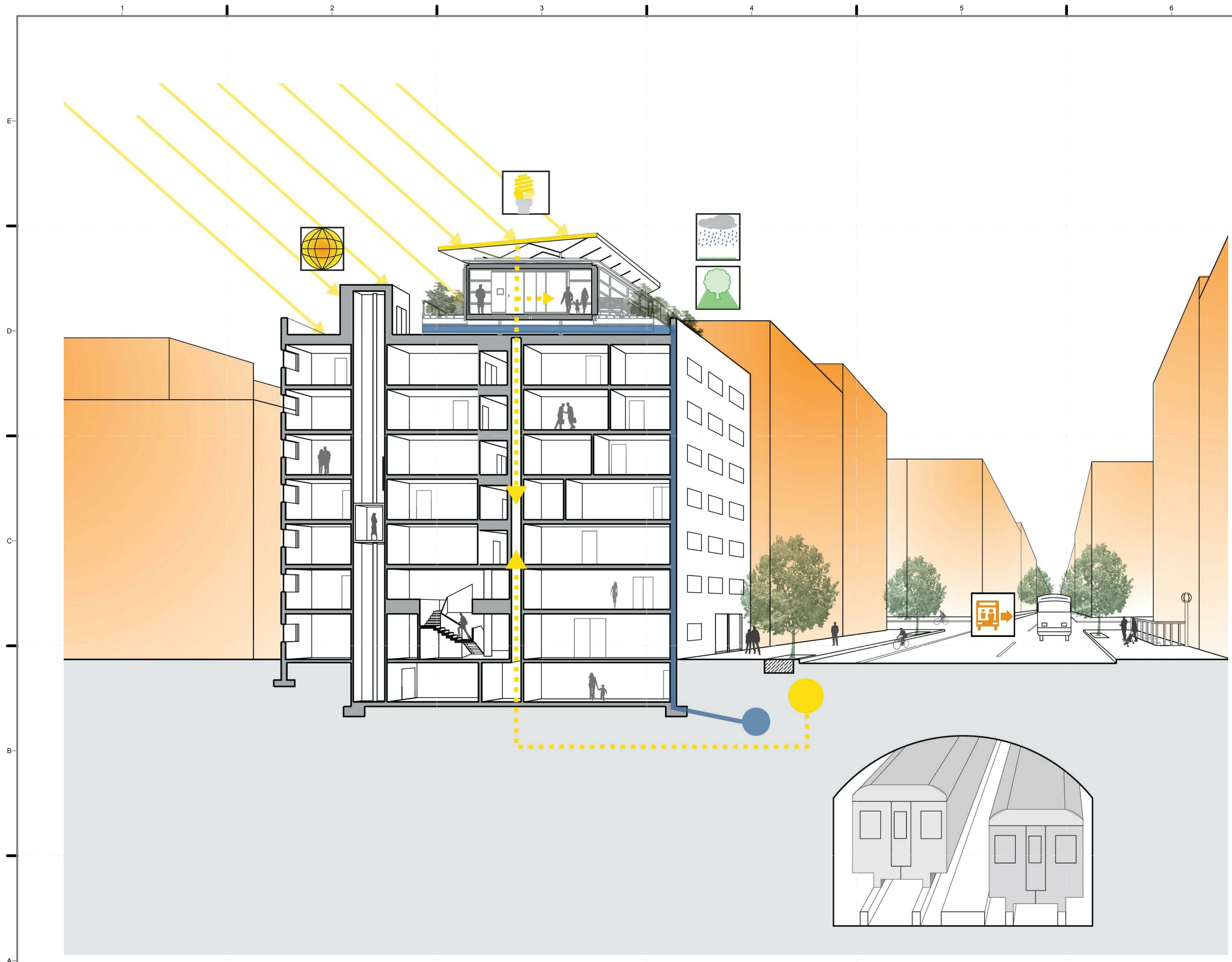
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
FEASIBILITY 1

SCALE: **NTS**
PLAN #:

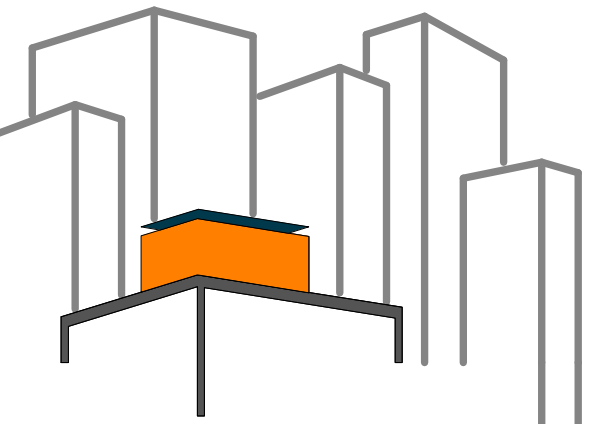
G-913.01

(A1) FEASIBILITY STUDY
NTS



GENERAL SHEET NOTES

1. PLANYC INITIATIVES - HELPING NEW YORK CITY MEET ITS 2030 TARGETS FOR SUSTAINABILITY.



SOLAR ROOF POD
www.ccnySolarDecathlon.com






TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LEGEND

-  BIOMASS SEQUESTERS CARBON AND SUPPORTS WILD LIFE.
-  ROOF VEGETATION AND PV PANELS MITIGATE HEAT ISLAND EFFECT.
-  RESIDENTS USE MASS TRANSIT, REDUCING CO2 EMISSIONS.
-  PV ARRAY PRODUCES ELECTRICITY AND EVACUATED TUBES PROVIDE DIRECT HEATING AND COOLING
-  STORMWATER IS RETAINED FOR IRRIGATION REDUCING OVERFLOW.

LOT NUMBER: 403
DRAWN BY: **RELBIN THOMAS**
CHECKED BY: **UNE WILLIAMSON**
DATE: **8/12/2011 10:41:34 PM**

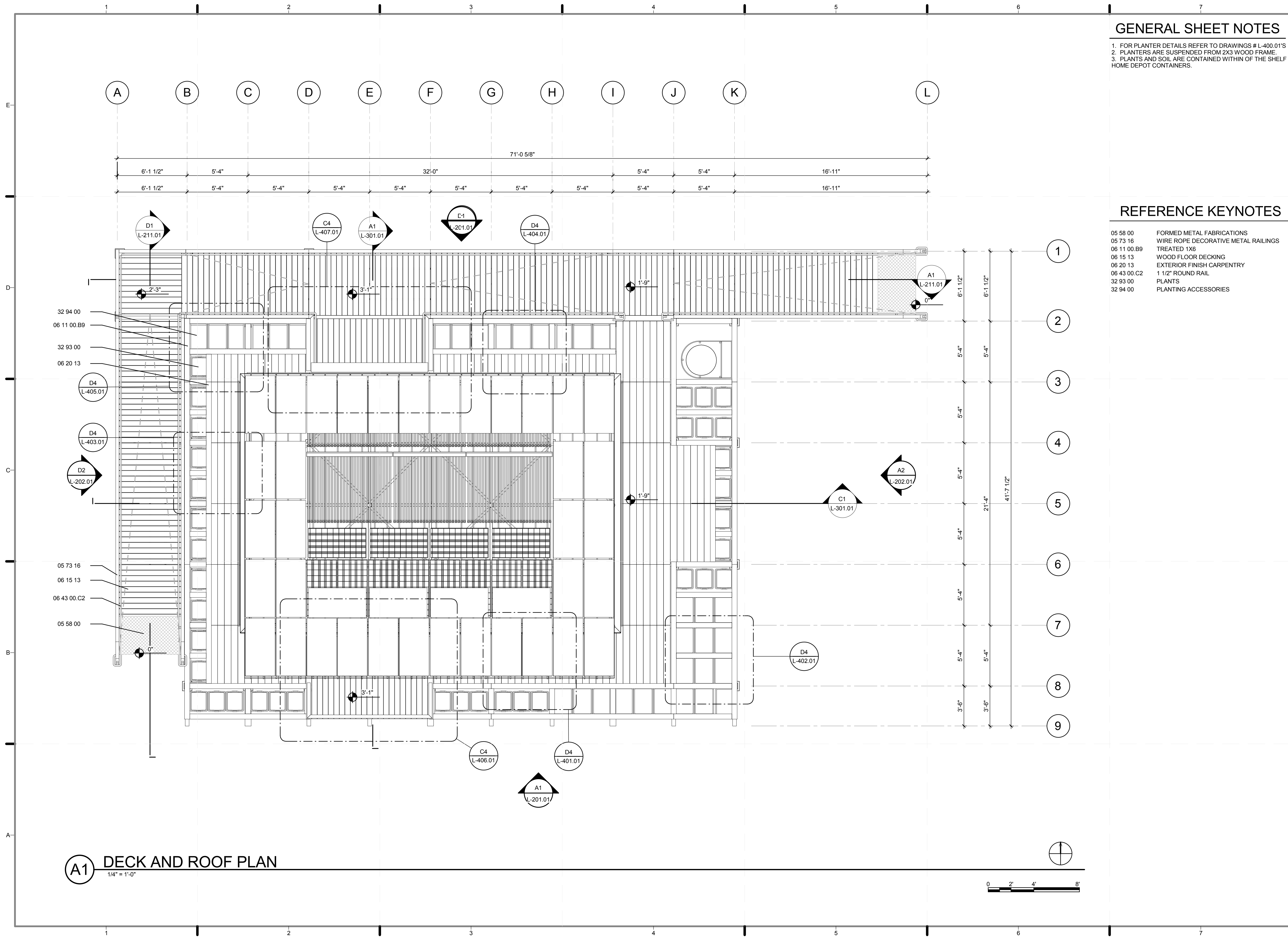
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
FEASIBILITY 2

SCALE: **NTS**
PLAN #:

G-914.01

A1 PLANYC
12" = 1'-0"

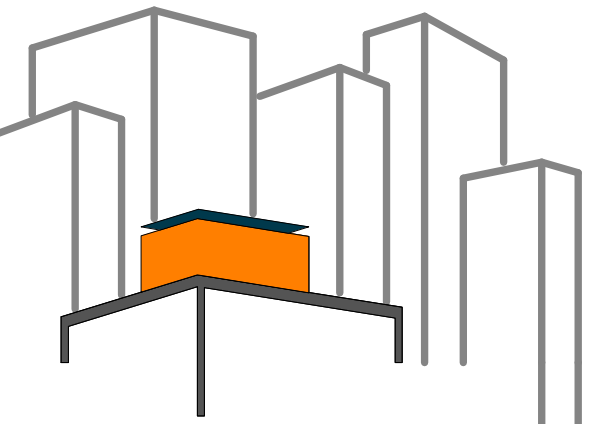


GENERAL SHEET NOTES

- 1. FOR PLANTER DETAILS REFER TO DRAWINGS # L-400.01'S
- 2. PLANTERS ARE SUSPENDED FROM 2X3 WOOD FRAME.
- 3. PLANTS AND SOIL ARE CONTAINED WITHIN OF THE SHELF HOME DEPOT CONTAINERS.

REFERENCE KEYNOTES

05 58 00	FORMED METAL FABRICATIONS
05 73 16	WIRE ROPE DECORATIVE METAL RAILINGS
06 11 00.B9	TREATED 1X6
06 15 13	WOOD FLOOR DECKING
06 20 13	EXTERIOR FINISH CARPENTRY
06 43 00.C2	1 1/2" ROUND RAIL
32 93 00	PLANTS
32 94 00	PLANTING ACCESSORIES



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS:	DATE /	NAME
2	8/8/2011	TRELLIS LAYOUT IS REVISED

LOT NUMBER: 403
DRAWN BY: YELISA GRULLON
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:44:04 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

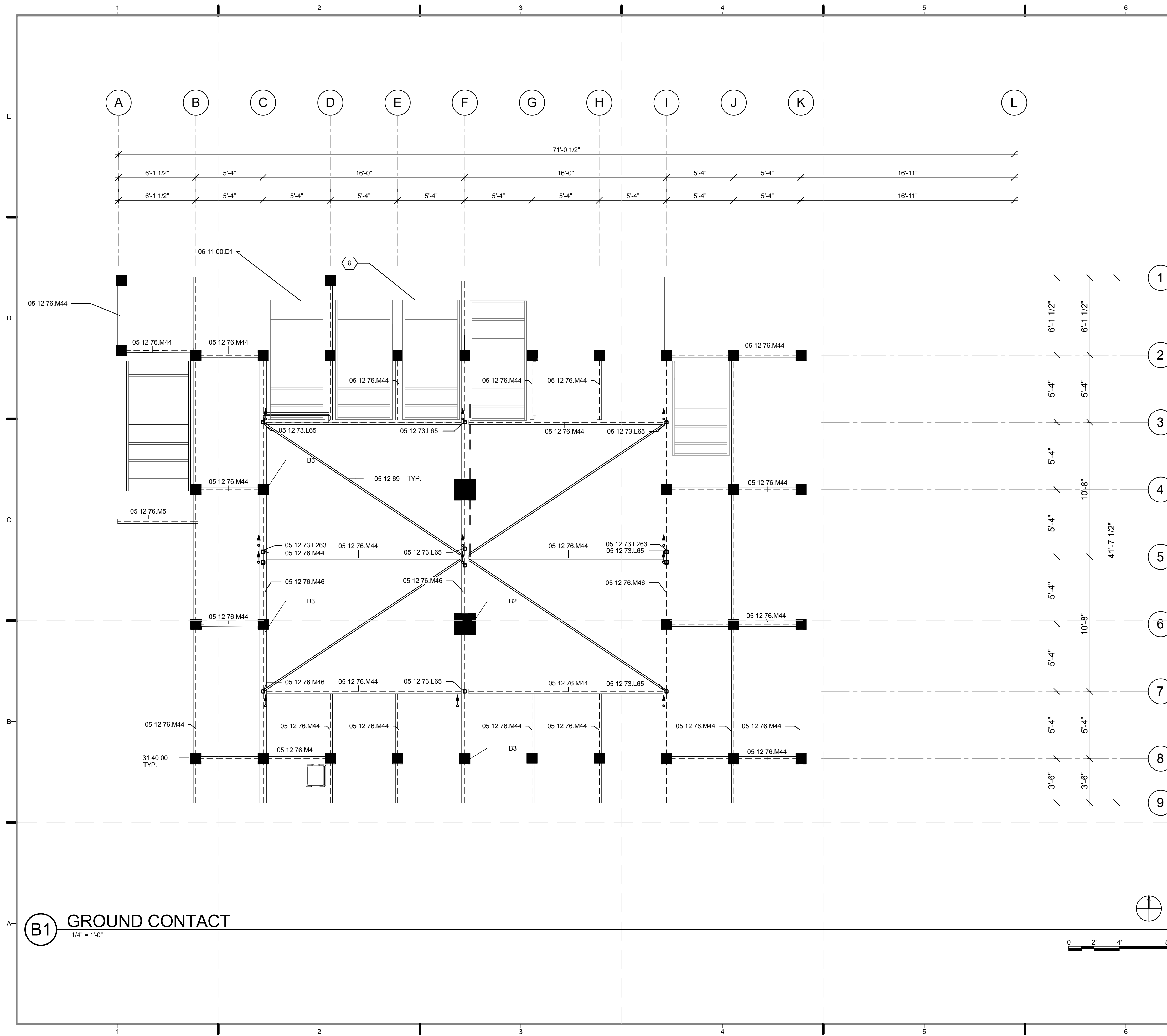
SHEET TITLE:
DECK AND ROOF PLAN

SCALE: 1/4" = 1'-0"
PLAN #:

L-101.02

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





GENERAL SHEET NOTES

1. THIS DRAWING IS ONLY FOR GENERAL KNOWLEDGE OF THE STRUCTURE SYSTEM USED FOR THE SOLAR ROOF POD.
2. THIS DRAWING HAS BEEN MODIFIED FROM THE ORIGINAL VERSION SUBMITTED BY THE STRUCTURAL ENGINEER TO COMPLY WITH USNCS STANDARDS.
3. MEMBER SIZES AND NUMBER OF INSTANCES IS THE SAME AS THE STRUCTURAL DRAWING SUBMITTED BY THE STRUCTURAL ENGINEER. SEE STAMPED STRUCTURAL DRAWINGS AND CALCULATIONS SET FOR "IMPACT ON THE TURF" RULE COMPLIANCE.

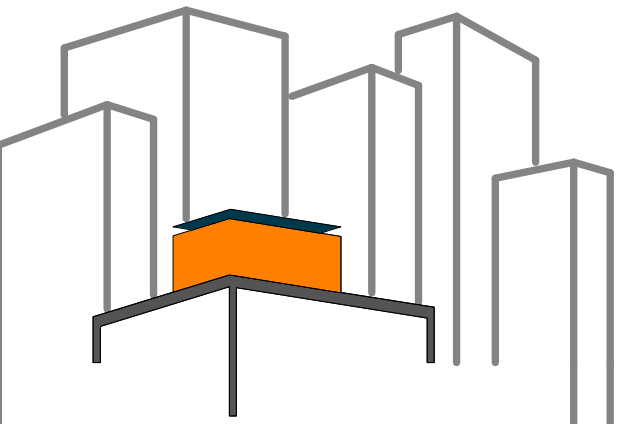
REFERENCE KEYNOTES

05 12 69	PIPE SHAPE
05 12 73.L65	TS3X3X0.1875
05 12 73.L263	TS3X2X0.1875
05 12 76.M4	W6X9
05 12 76.M5	W6X12
05 12 76.M44	W12X22
05 12 76.M46	W12X30
06 11 00.D1	2X4
31 40 00	SHORING AND UNDERPINNING

SHEET KEYNOTES

- 8 TYPICAL BLADDER SUPPORT

B1 GROUND CONTACT
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

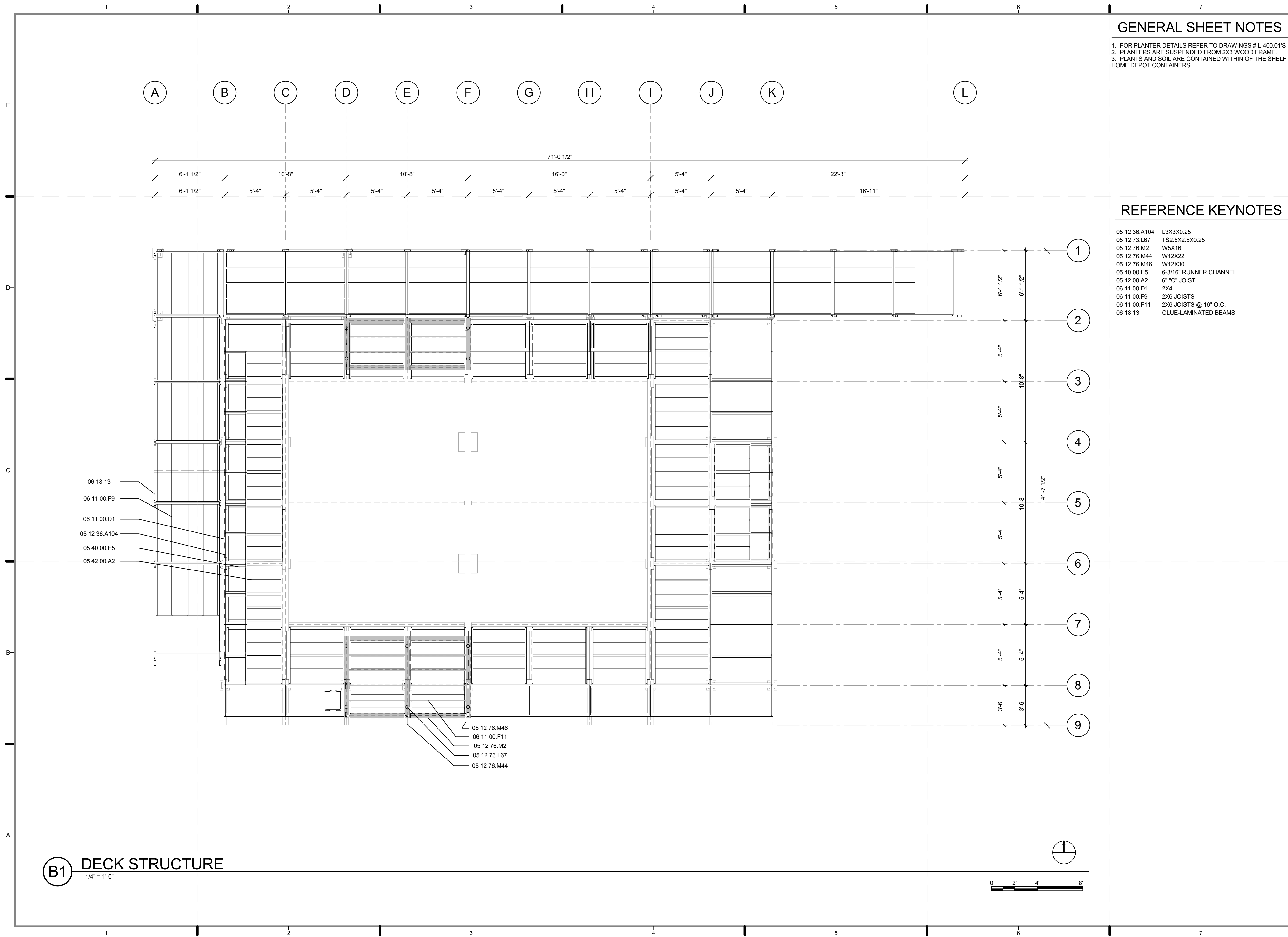
LOT NUMBER: **403**
DRAWN BY: **Samuel Mikhail**
CHECKED BY: **DOMINICK PILLA**
DATE: **8/12/2011 10:44:09 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
GROUND SUPPORT PLAN

SCALE: **1/4" = 1'-0"**
PLAN #:

L-102.02

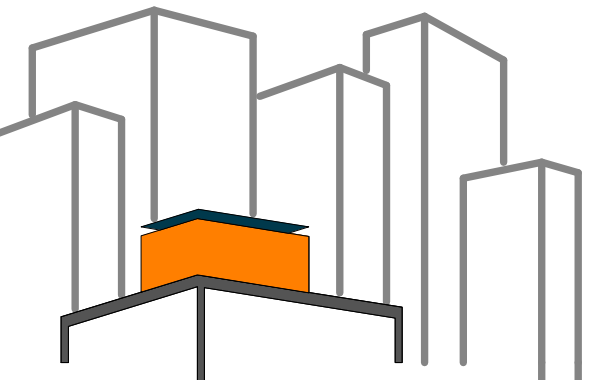


GENERAL SHEET NOTES

1. FOR PLANTER DETAILS REFER TO DRAWINGS # L-400.01'S
2. PLANTERS ARE SUSPENDED FROM 2X3 WOOD FRAME.
3. PLANTS AND SOIL ARE CONTAINED WITHIN OF THE SHELF HOME DEPOT CONTAINERS.

REFERENCE KEYNOTES

- | | |
|---------------|------------------------|
| 05 12 36.A104 | L3X3X0.25 |
| 05 12 73.L67 | TS2.5X2.5X0.25 |
| 05 12 76.M2 | WSX16 |
| 05 12 76.M44 | W12X22 |
| 05 12 76.M46 | W12X30 |
| 05 40 00.E5 | 6-3/16" RUNNER CHANNEL |
| 05 42 00.A2 | 6" "C" JOIST |
| 06 11 00.D1 | 2X4 |
| 06 11 00.F9 | 2X6 JOISTS |
| 06 11 00.F11 | 2X6 JOISTS @ 16" O.C. |
| 06 18 13 | GLUE-LAMINATED BEAMS |



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: YELISA GRULLON

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:44:13 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

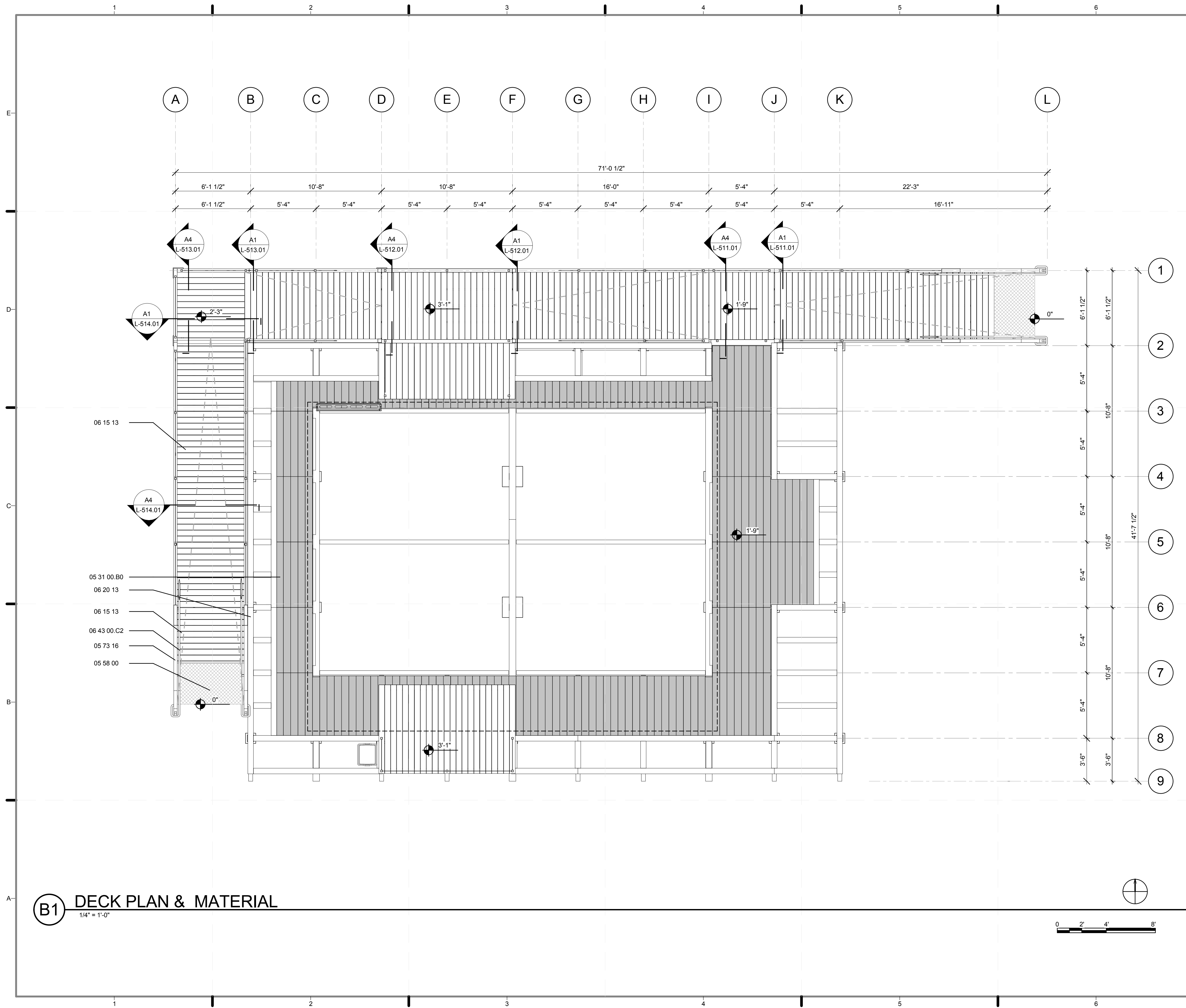
SHEET TITLE:
DECK STRUCTURE

SCALE: 1/4" = 1'-0"

PLAN #:

L-103.01

B1 DECK STRUCTURE
1/4" = 1'-0"



REFERENCE KEYNOTES

- 05 31 00.B0 METAL DECK
- 05 58 00 FORMED METAL FABRICATIONS
- 05 73 16 WIRE ROPE DECORATIVE METAL RAILINGS
- 06 15 13 WOOD FLOOR DECKING
- 06 20 13 EXTERIOR FINISH CARPENTRY
- 06 43 00.C2 1 1/2" ROUND RAIL



TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnyrsd11@gmail.com



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

REVISIONS: DATE / NAME
 2 8/8/2011 REVISED MATERIAL FROM CEADER TO CYPRESS

LOT NUMBER: 403
 DRAWN BY: YELISA GRULLON
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:44:19 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DECK PLAN + MATERIAL

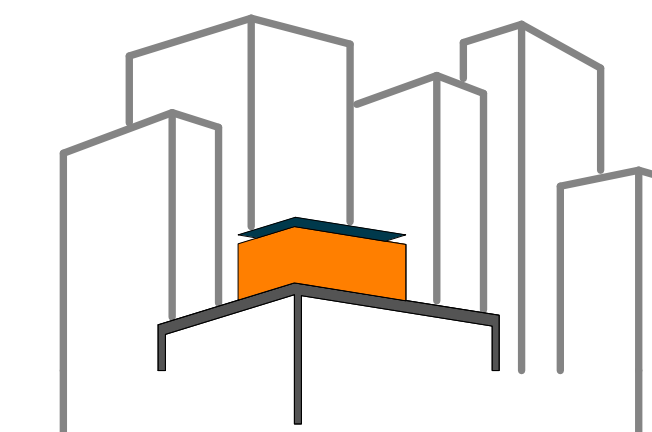
SCALE: 1/4" = 1'-0"
 PLAN #:

L-104.02

LEGEND

- 1. WOOD DECK CYPRESS
- 2. ALUMINUM DECK: TRACTION TREAD

B1 DECK PLAN & MATERIAL
 1/4" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:44:28 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
IRRIGATION PLAN

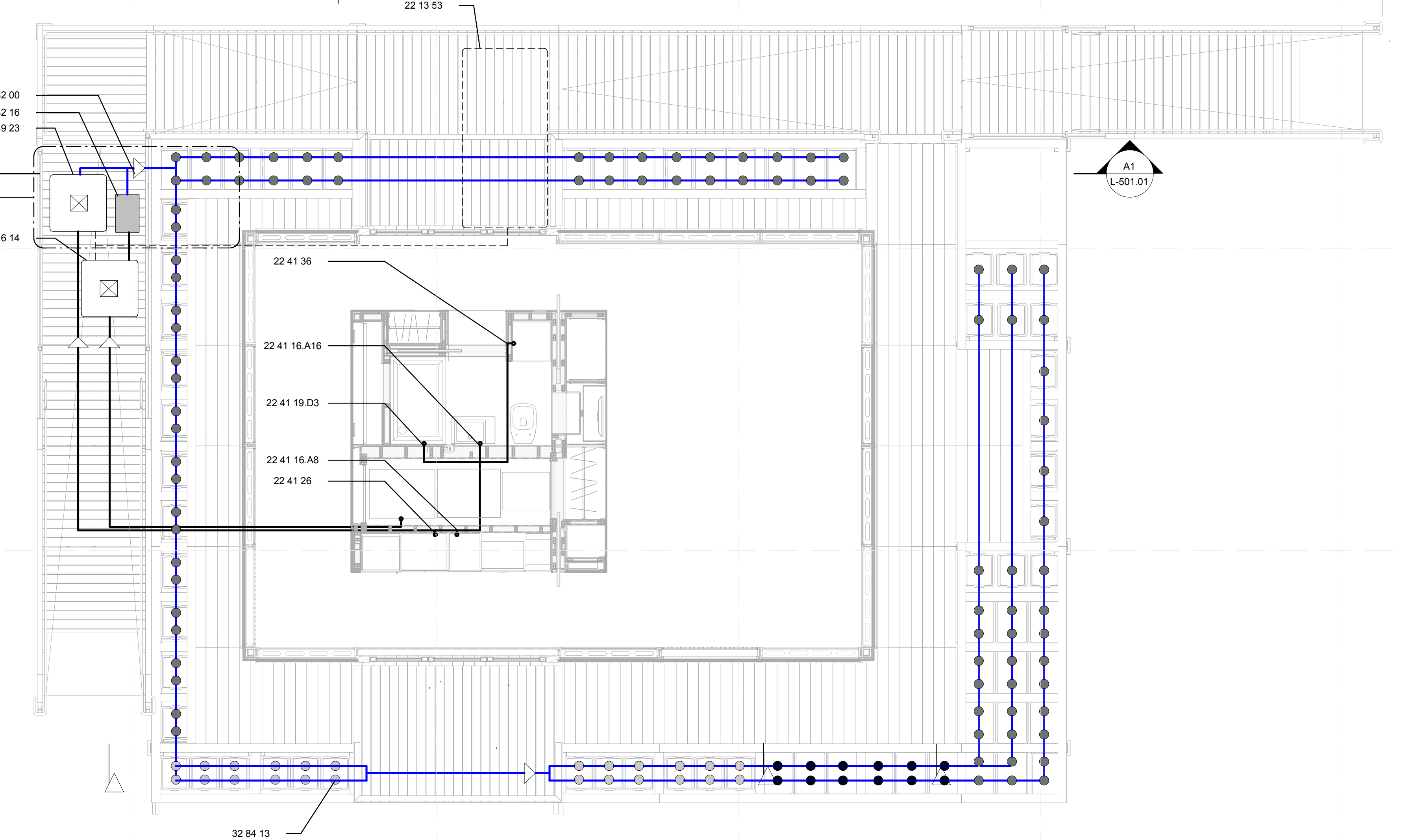
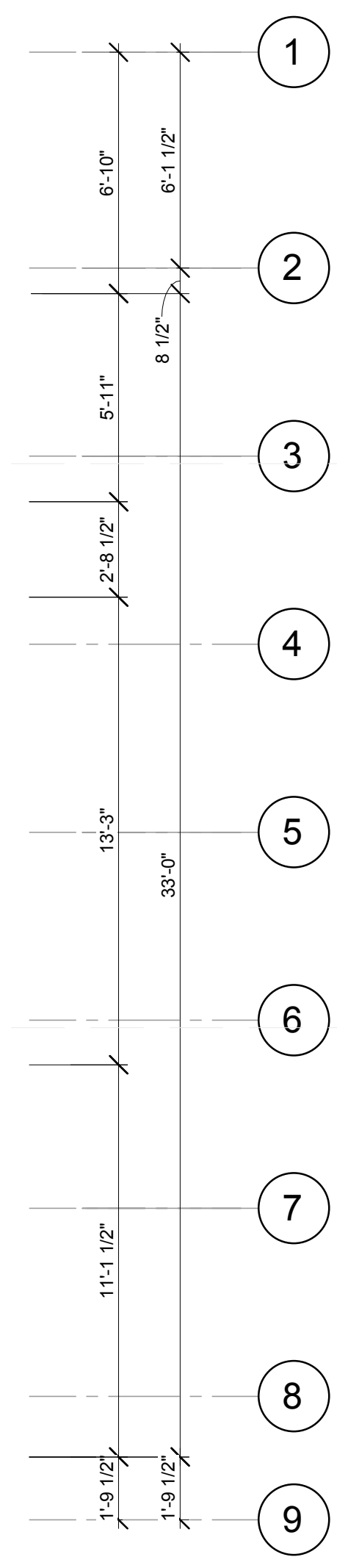
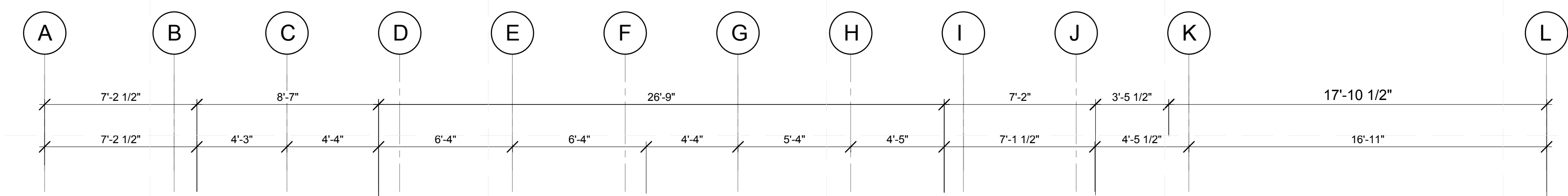
SCALE: **1/4" = 1'-0"**

PLAN #:

L-111.02

REFERENCE KEYNOTES

- 22 13 53 FACILITY SEPTIC TANKS
- 22 32 16 DOMESTIC-WATER FREESTANDING CARTRIDGE FILTERS
- 22 41 16.A8 CORNER SINK
- 22 41 16.A16 PEDESTAL SINK
- 22 41 19.D3 PRE-FABRICATED TUB AND SHOWER
- 22 41 26 RESIDENTIAL DISPOSERS
- 22 41 36 RESIDENTIAL LAUNDRY TRAYS
- 32 82 00 IRRIGATION PUMPS
- 32 84 13 DRIP IRRIGATION
- 33 16 14 GREYWATER STORAGE TANK
- 33 49 23 STORM DRAINAGE WATER RETENTION STRUCTURES



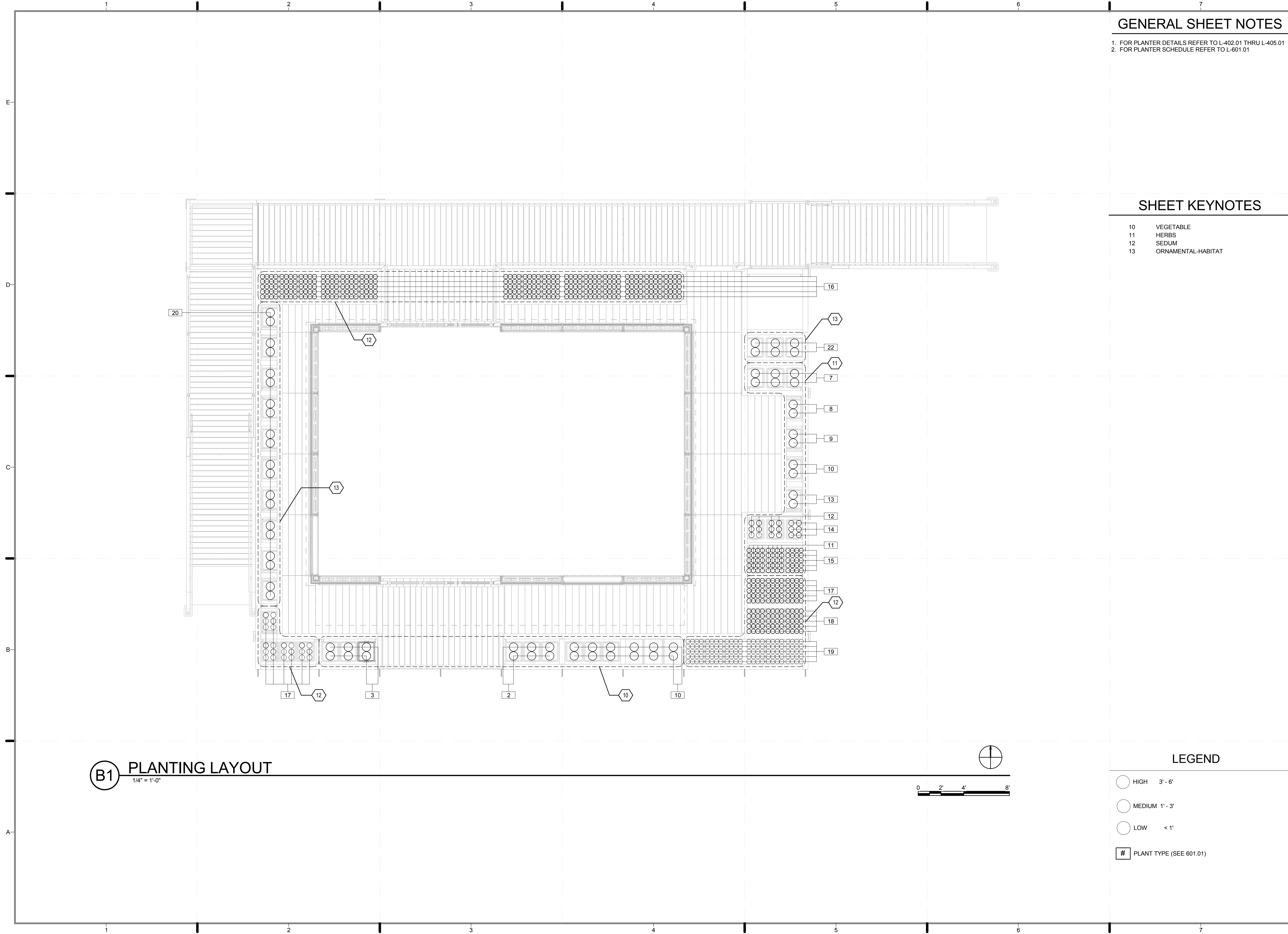
B1 IRRIGATION PLAN

1/4" = 1'-0"



LEGEND

- XB-05C: 0.5 GPH EMITTER
- XB-10C: 1.0 GPH EMITTER
- XB-20C: 2.0 GPH EMITTER
- ▷ PUMPS
- ⊗ WATER LEVEL SENSOR
- △ MOISTER SENSOR



GENERAL SHEET NOTES

- 1. FOR PLANTER DETAILS REFER TO L-402.01 THRU L-405.01
- 2. FOR PLANTER SCHEDULE REFER TO L-601.01

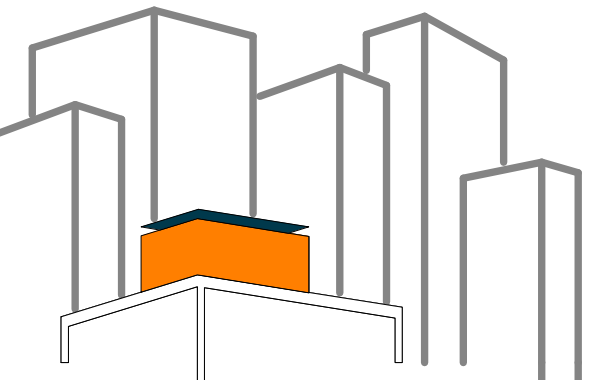
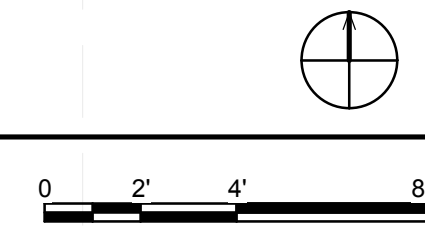
SHEET KEYNOTES

- 10 VEGETABLE
- 11 HERBS
- 12 SEDUM
- 13 ORNAMENTAL-HABITAT

LEGEND

- HIGH 3' - 6'
- MEDIUM 1' - 3'
- LOW < 1'
- # PLANT TYPE (SEE 601.01)

(B1) PLANTING LAYOUT
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

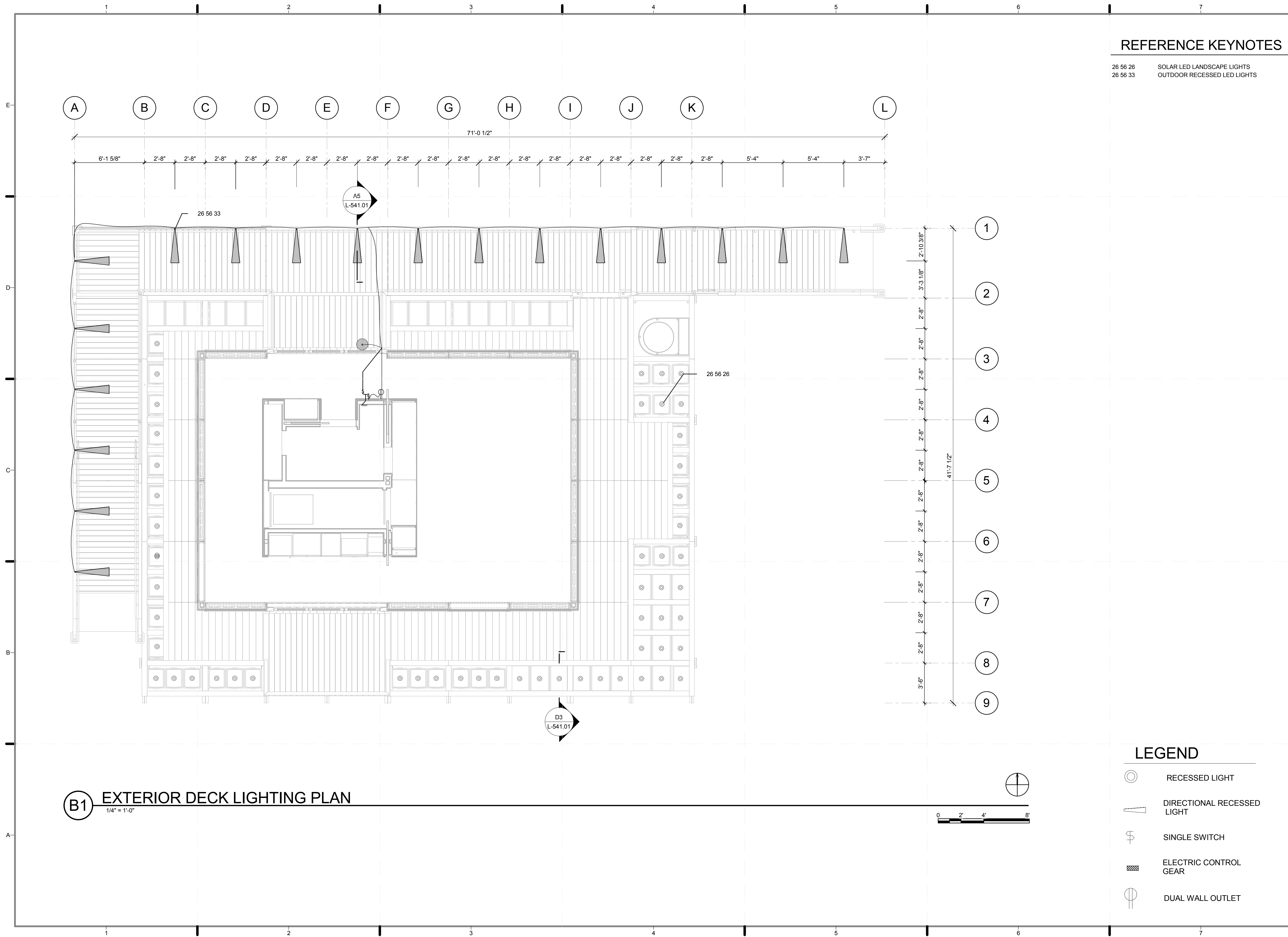
LOT NUMBER: **403**
DRAWN BY: **OLTA MOLLA**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:44:40 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
PLANTING LAYOUT

SCALE: **1/4"=1'-0"**
PLAN #:

L-112.01



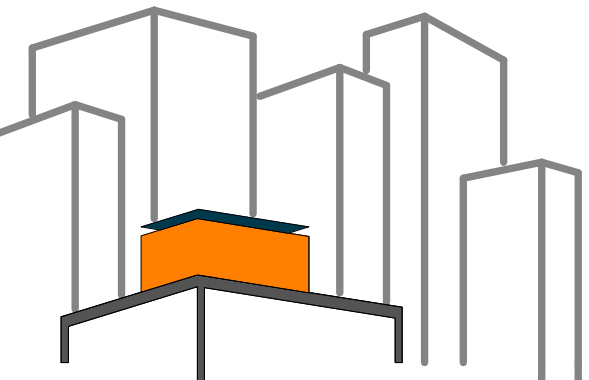
REFERENCE KEYNOTES

26 56 26 SOLAR LED LANDSCAPE LIGHTS
 26 56 33 OUTDOOR RECESSED LED LIGHTS

B1 EXTERIOR DECK LIGHTING PLAN
 1/4" = 1'-0"

LEGEND

- RECESSED LIGHT
- DIRECTIONAL RECESSED LIGHT
- SINGLE SWITCH
- ELECTRIC CONTROL GEAR
- DUAL WALL OUTLET



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

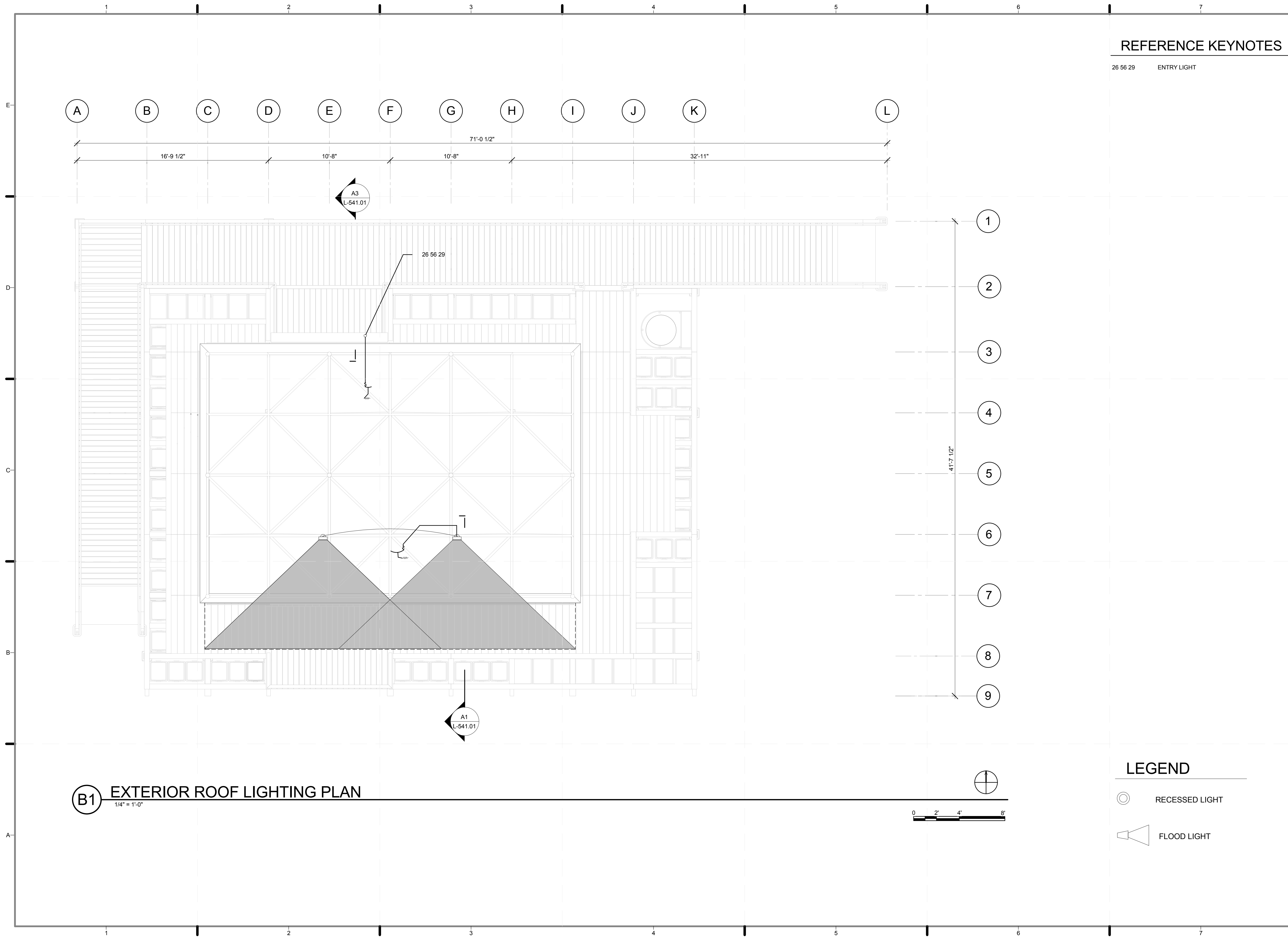
LOT NUMBER: 403
 DRAWN BY: MARY DOUMAS
 CHECKED BY: CHRISTIAN VOLKMANN
 DATE: 8/12/2011 10:44:51 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
**DECK LIGHTING
 PLAN**

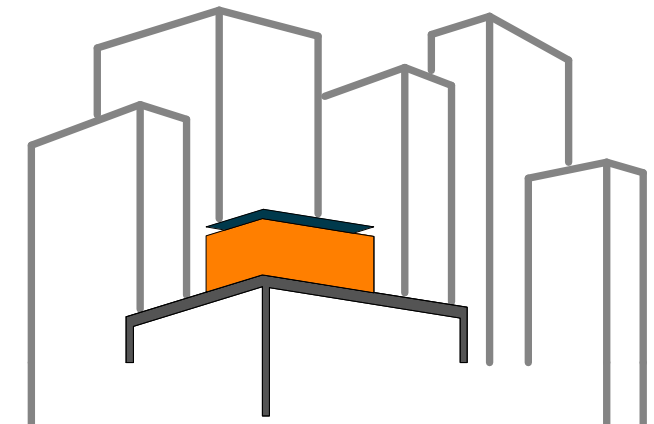
SCALE: 1/4"=1'-0"
 PLAN #:

L-113.01



REFERENCE KEYNOTES

26 56 29 ENTRY LIGHT



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:45:01 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS


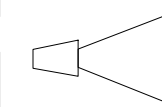
SHEET TITLE:
ROOF LIGHTING PLAN

SCALE: **1/4" = 1'-0"**

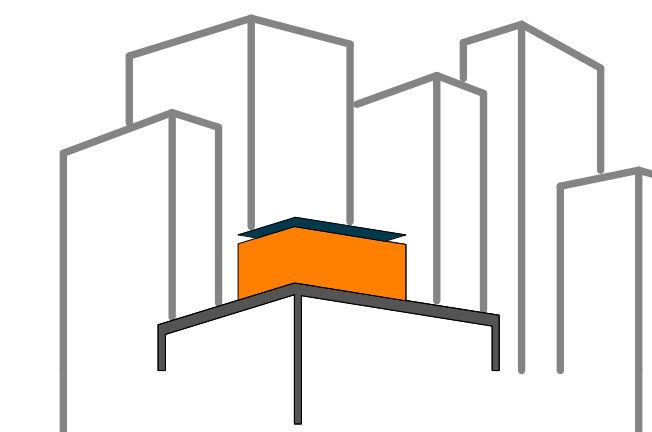
PLAN #:

L-114.01

LEGEND

-  RECESSED LIGHT
-  FLOOD LIGHT

B1 EXTERIOR ROOF LIGHTING PLAN
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

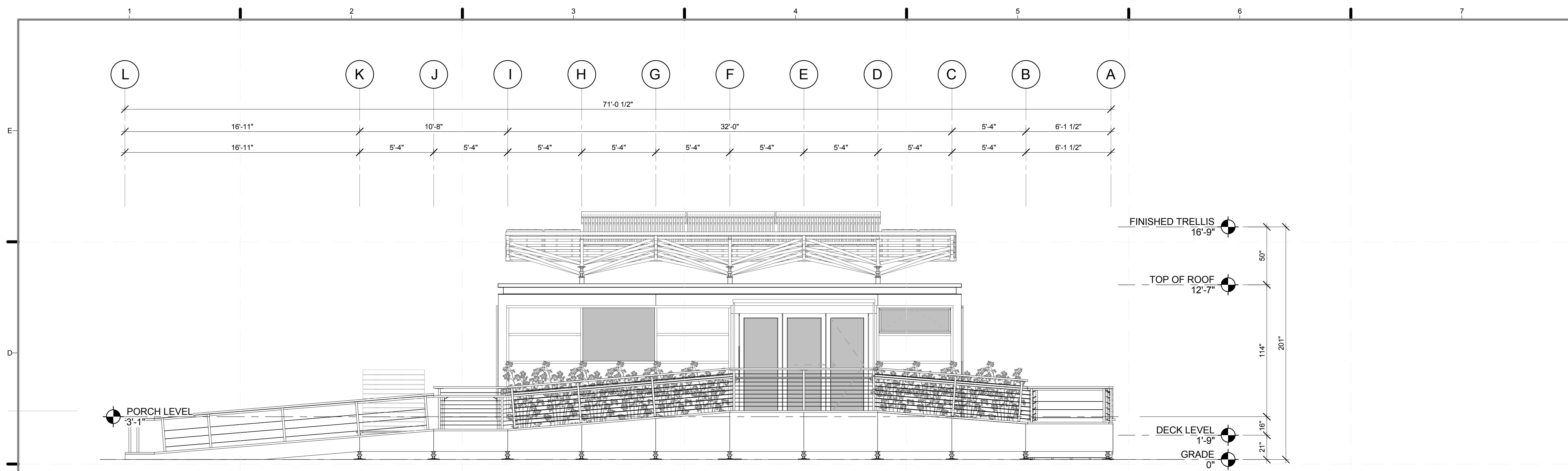
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:45:16 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

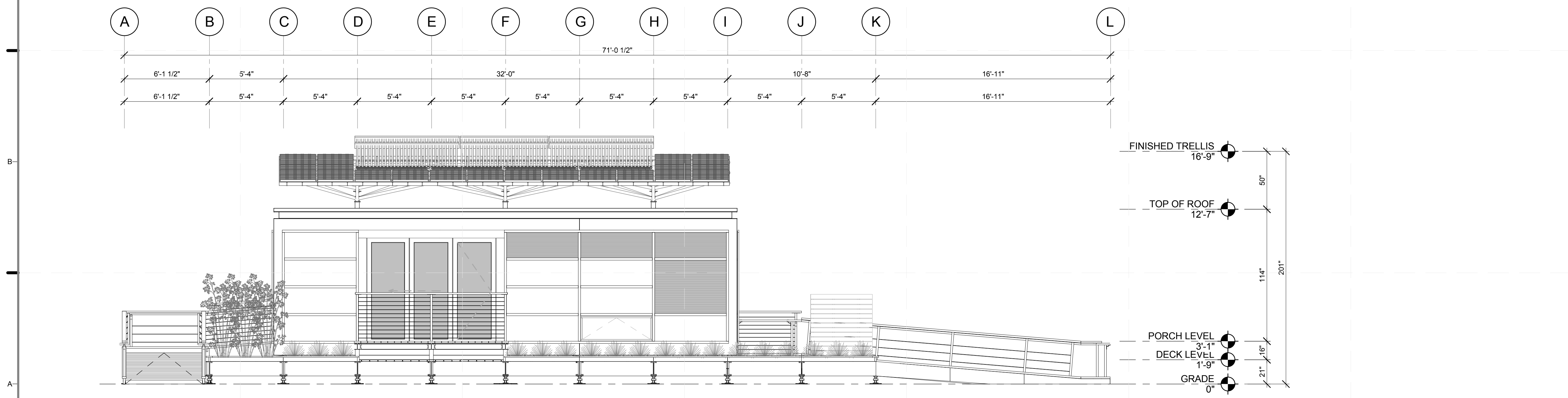
SHEET TITLE:
SITE ELEVATION-NORTH AND SOUTH

SCALE: 1/4" = 1'-0"
PLAN #:

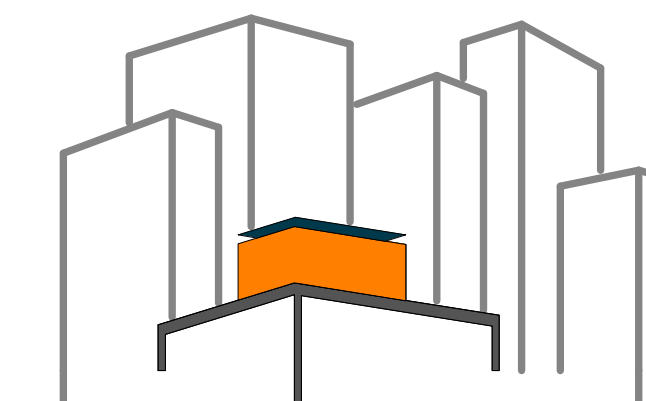
L-201.01



D1 SITE ELEVATION - NORTH
1/4" = 1'-0"



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



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAKAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:45:57 PM

**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

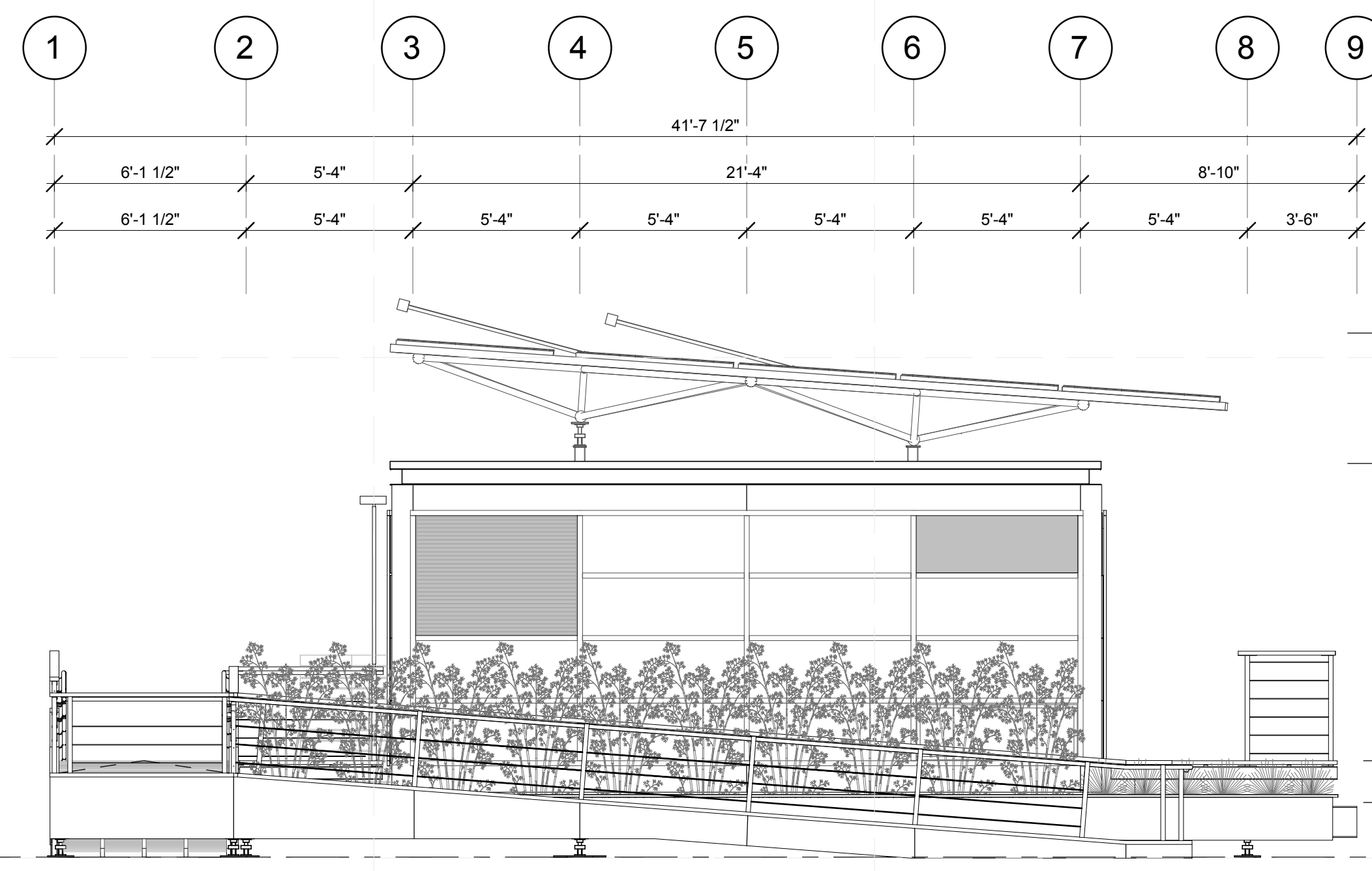
SHEET TITLE:

**SITE ELEVATION-
EAST AND WEST**

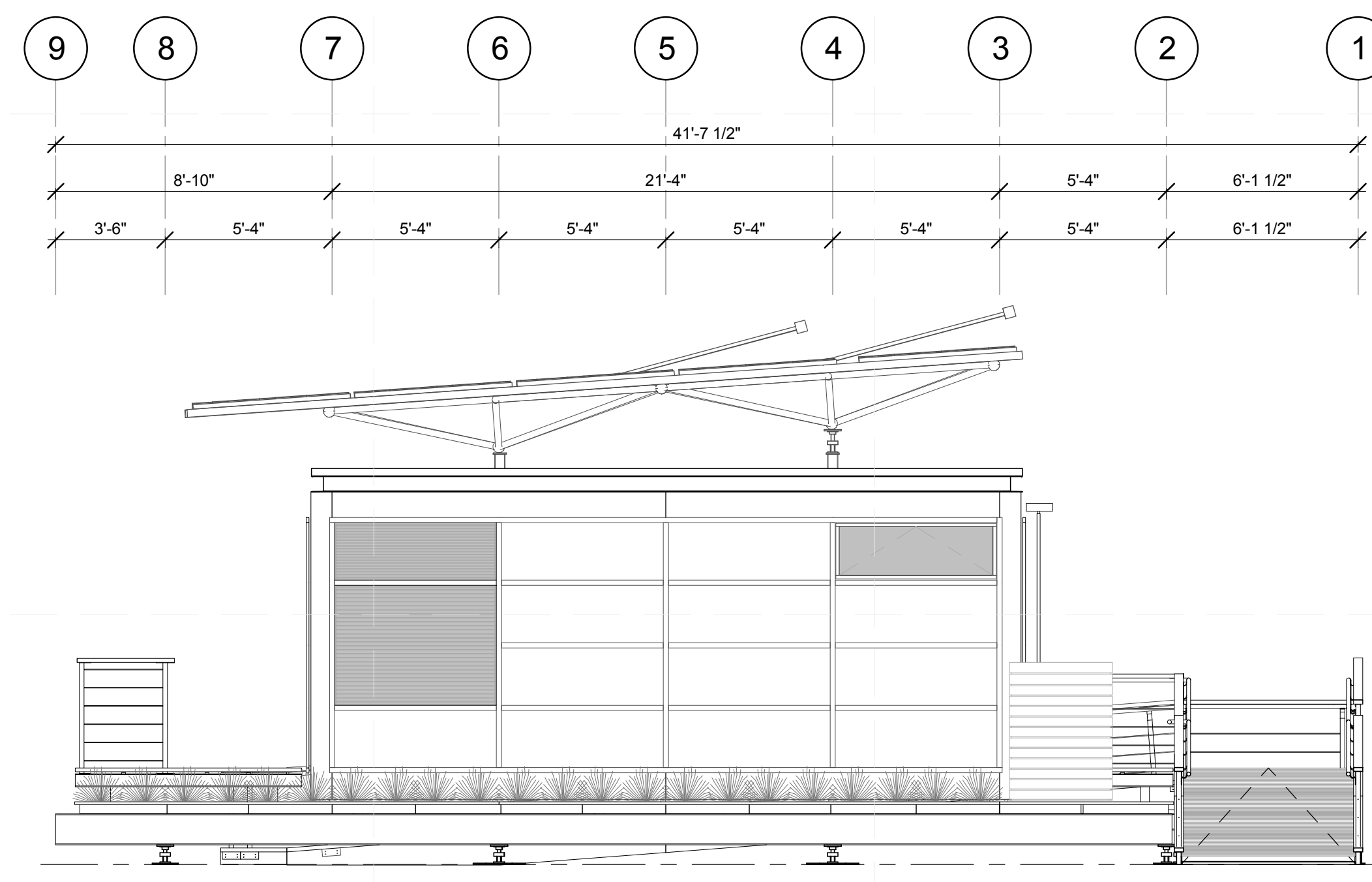
SCALE: 1/4" = 1'-0"

PLAN #:

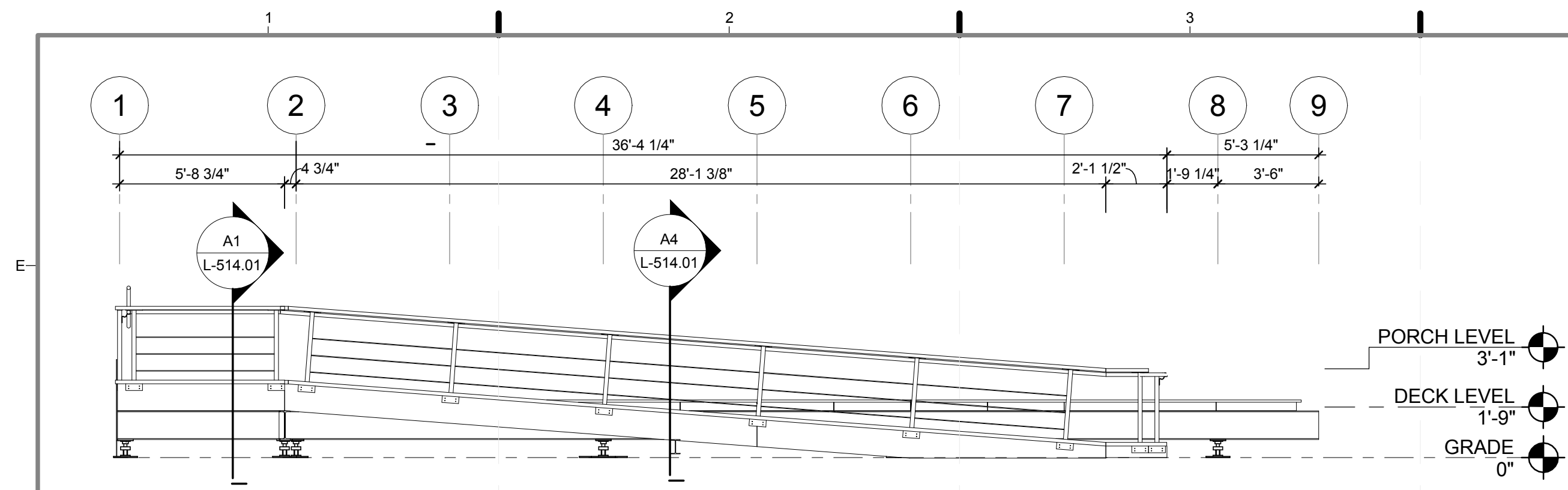
L-202.01



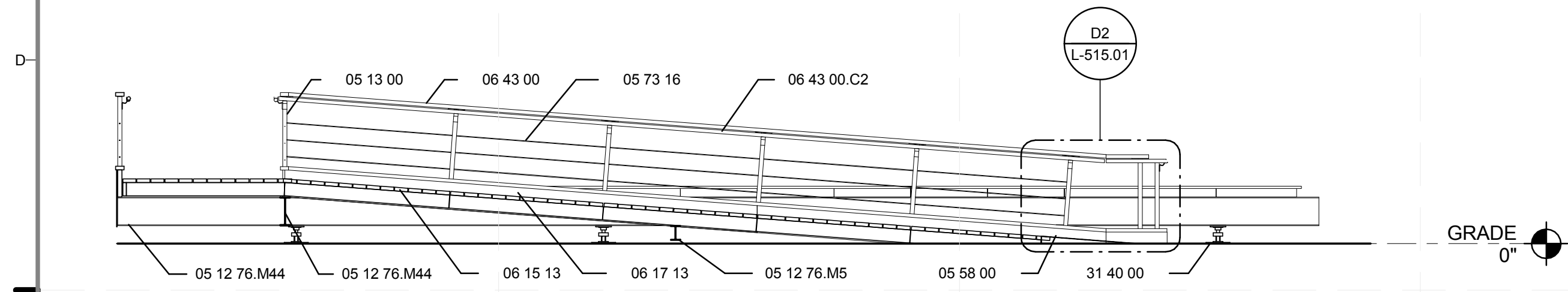
D2 SITE ELEVATION - WEST
1/4" = 1'-0"



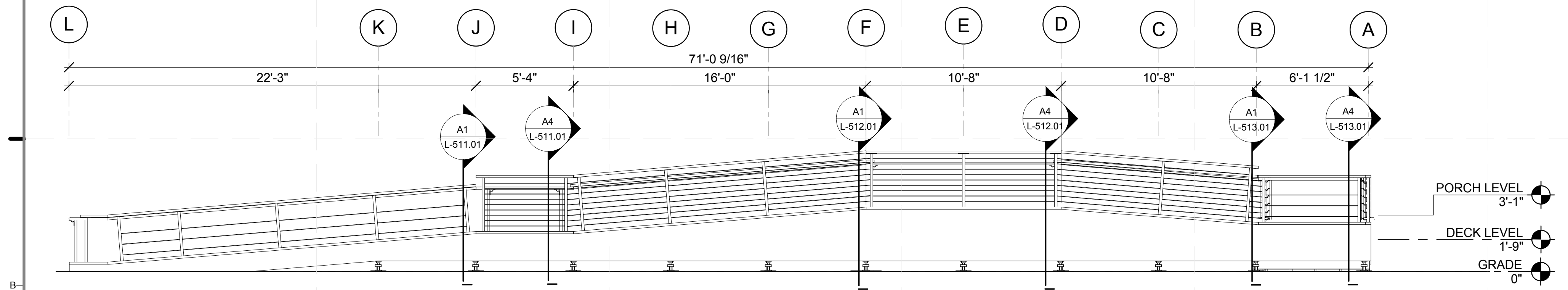
A2 SITE ELEVATION - EAST
1/4" = 1'-0"



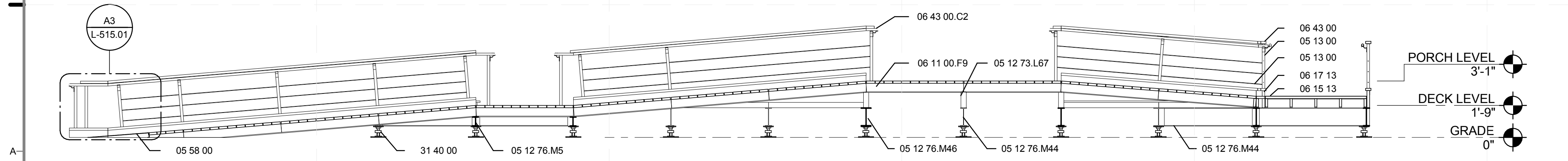
E1 WEST SIDE RAMP & HANDRAIL ELEVATION
1/4" = 1'-0"



D1 RAMP DETAIL - WEST RAMP SECTION
1/4" = 1'-0"



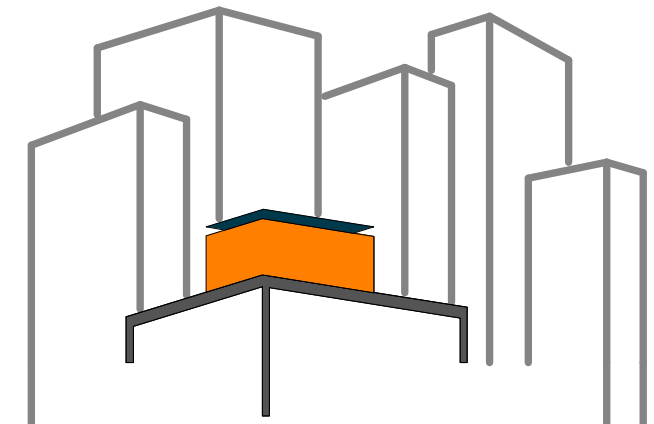
B1 NORTH RAMP & HANDRAIL ELEVATION
1/4" = 1'-0"



A1 RAMP DETAIL - NORTH RAMP SECTION
1/4" = 1'-0"

REFERENCE KEYNOTES

05 12 73.L67	TS2.5X2.5X0.25
05 12 76.M5	W6X12
05 12 76.M44	W12X22
05 12 76.M46	W12X30
05 13 00	STRUCTURAL STAINLESS-STEEL FRAMING
05 58 00	FORMED METAL FABRICATIONS
05 73 16	WIRE ROPE DECORATIVE METAL RAILINGS
06 11 00.F9	2X6 JOISTS
06 15 13	WOOD FLOOR DECKING
06 17 13	LAMINATED VENEER LUMBER
06 43 00	WOOD STAIRS AND RAILINGS
06 43 00.C2	1 1/2" ROUND RAIL
31 40 00	SHORING AND UNDERPINNING



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

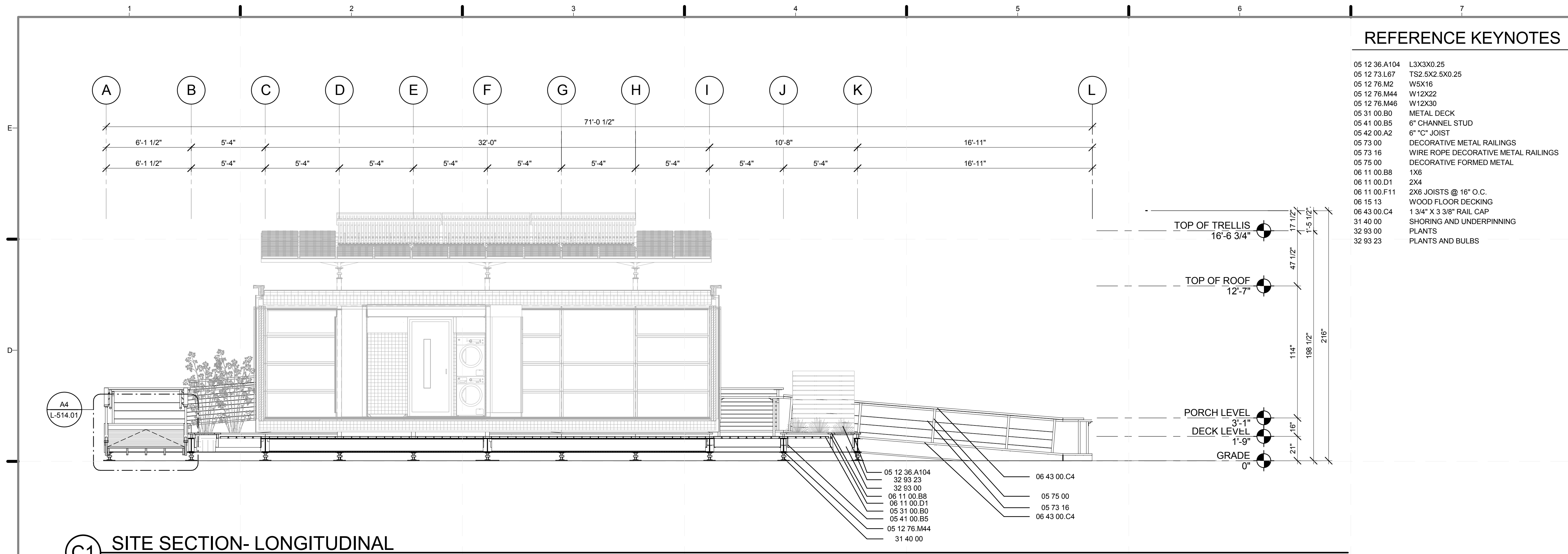
LOT NUMBER: 403
DRAWN BY: MARY DOUMAS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:46:05 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

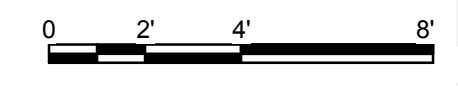
SHEET TITLE:
DETAIL- RAMP
(SECTION +
ELEVATION)

SCALE: 1/4" = 1'-0"
PLAN #:

L-211.01

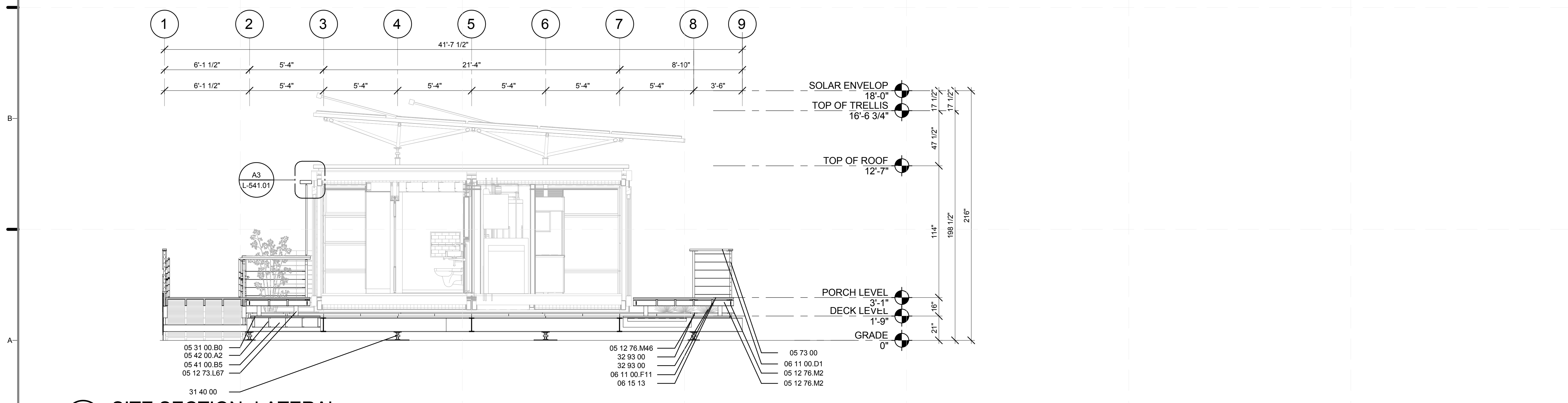


C1 SITE SECTION- LONGITUDINAL
1/4" = 1'-0"

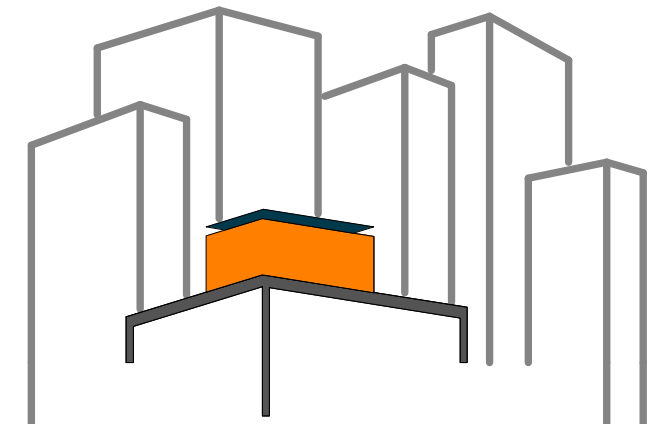
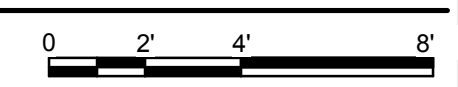


REFERENCE KEYNOTES

05 12 36.A104	L3X3X0.25
05 12 73.L67	TS2.5X2.5X0.25
05 12 76.M2	W5X16
05 12 76.M44	W12X22
05 12 76.M46	W12X30
05 31 00.B0	METAL DECK
05 41 00.B5	6" CHANNEL STUD
05 42 00.A2	6" "C" JOIST
05 73 00	DECORATIVE METAL RAILINGS
05 73 16	WIRE ROPE DECORATIVE METAL RAILINGS
05 75 00	DECORATIVE FORMED METAL
06 11 00.B8	1X6
06 11 00.D1	2X4
06 11 00.F11	2X6 JOISTS @ 16" O.C.
06 15 13	WOOD FLOOR DECKING
06 43 00.C4	1 3/4" X 3 3/8" RAIL CAP
31 40 00	SHORING AND UNDERPINNING
32 93 00	PLANTS
32 93 23	PLANTS AND BULBS



A1 SITE SECTION- LATERAL
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

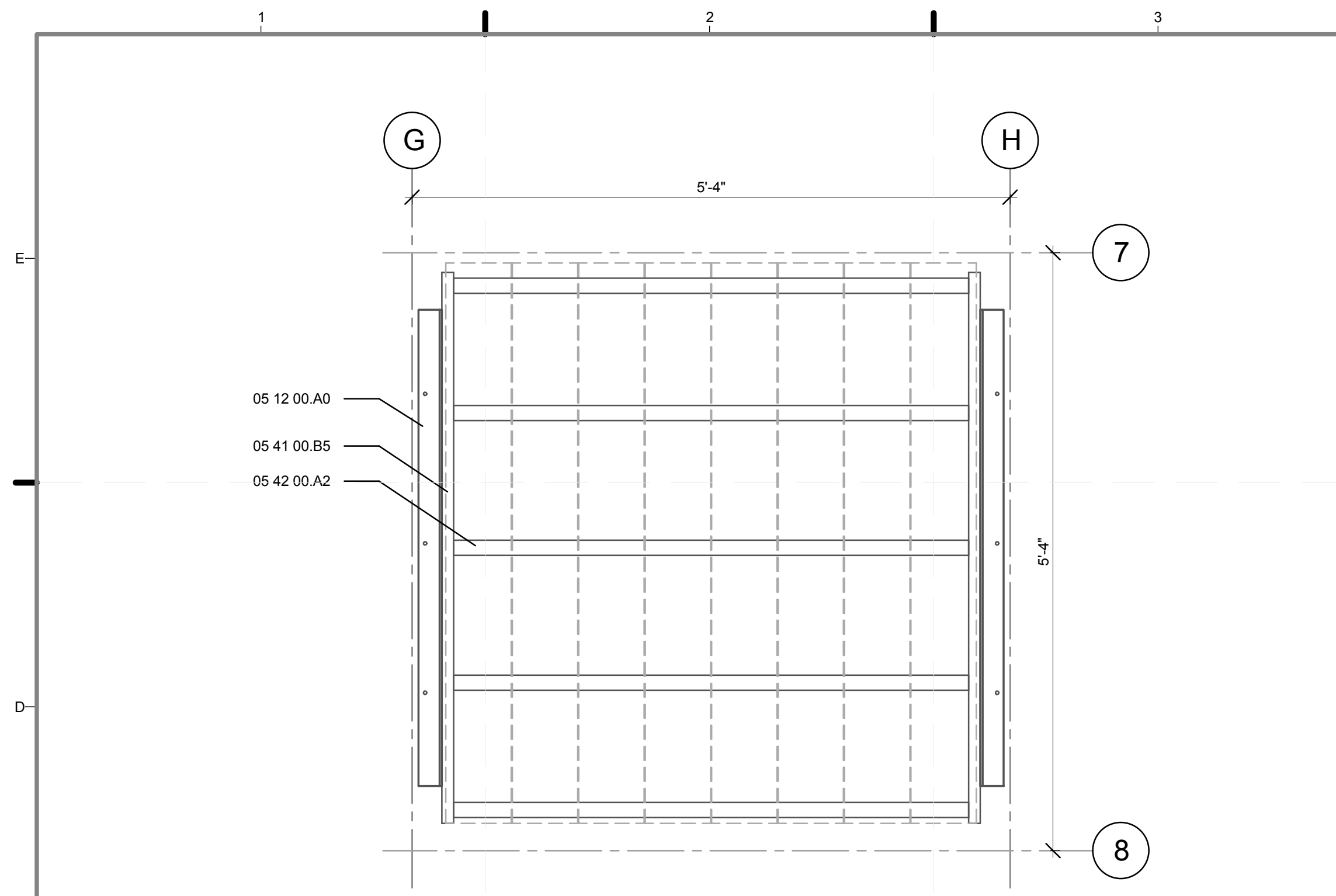
LOT NUMBER: **403**
DRAWN BY: **YELISA GRULLON**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:46:27 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

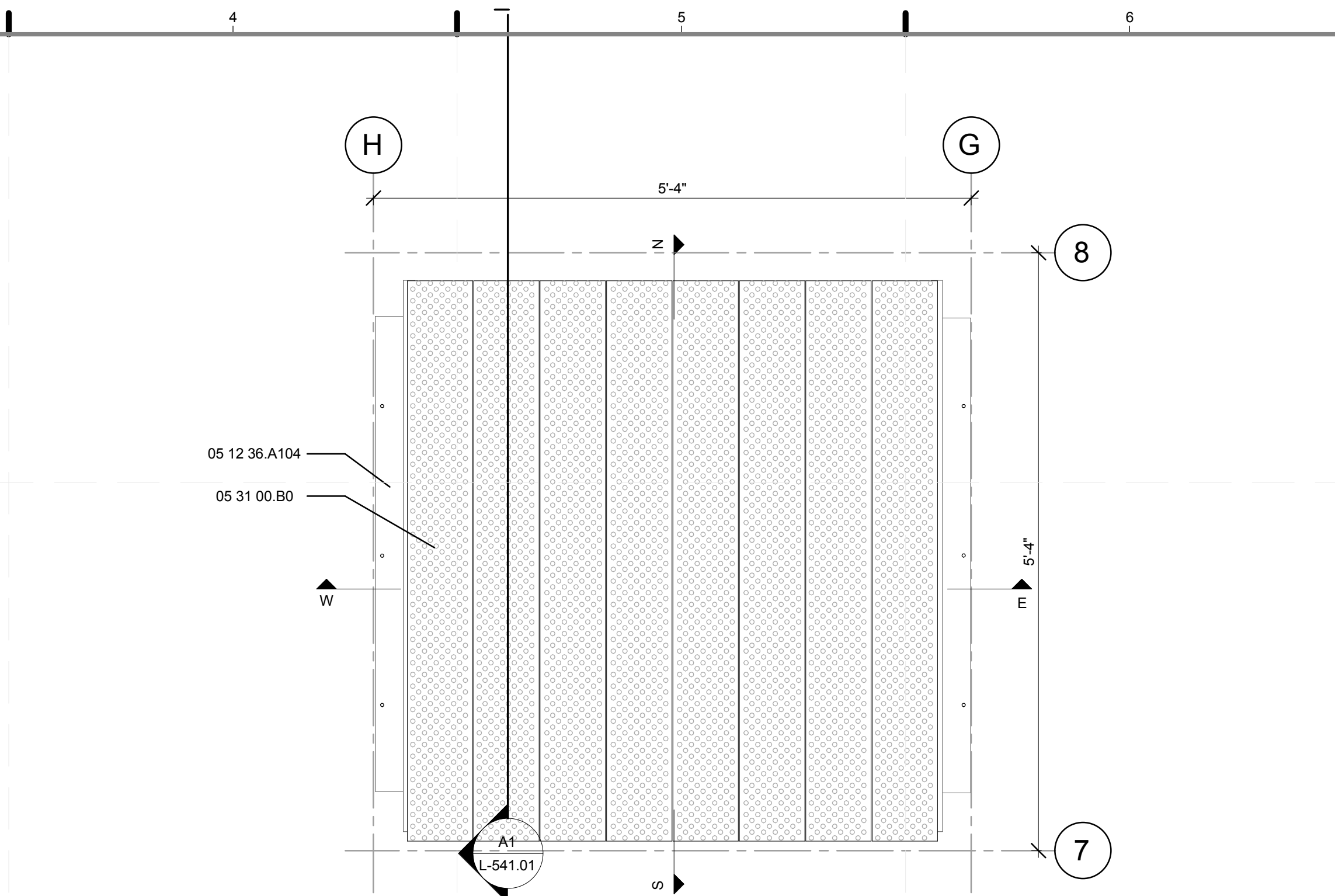
SHEET TITLE:
SITE SECTION- LONGITUDINAL & LATERAL

SCALE: **1/4" = 1'-0"**
PLAN #:

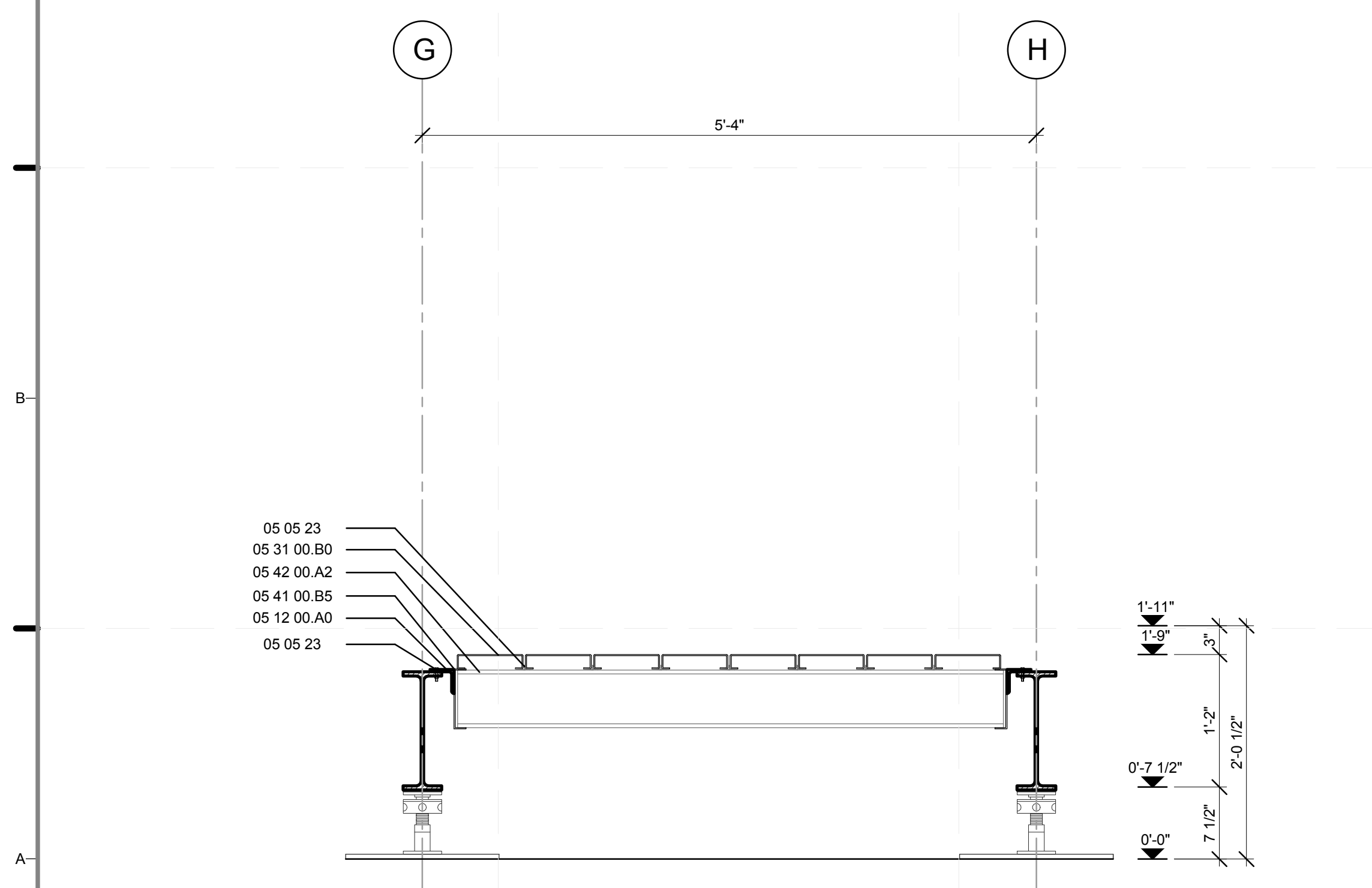
L-301.01



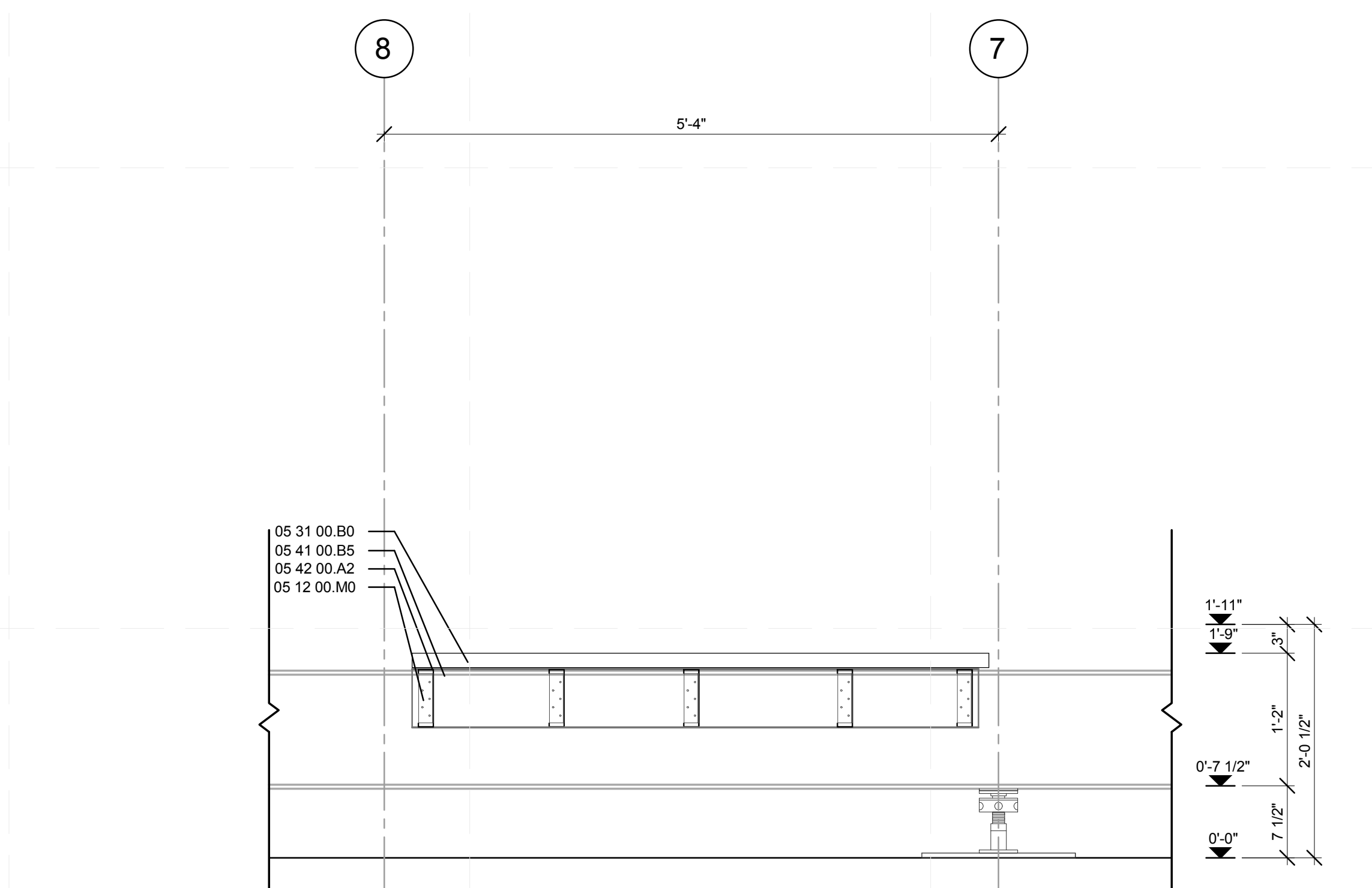
D1 MODULE A STRUCTURAL PLAN
1" = 1'-0"
0 1/2' 1' 2'



D4 MODULE A SURFACE PLAN
1" = 1'-0"
0 1/2' 1' 2'



A1 MODULE A WEST-EAST SECTION
1" = 1'-0"
0 1/2' 1' 2'



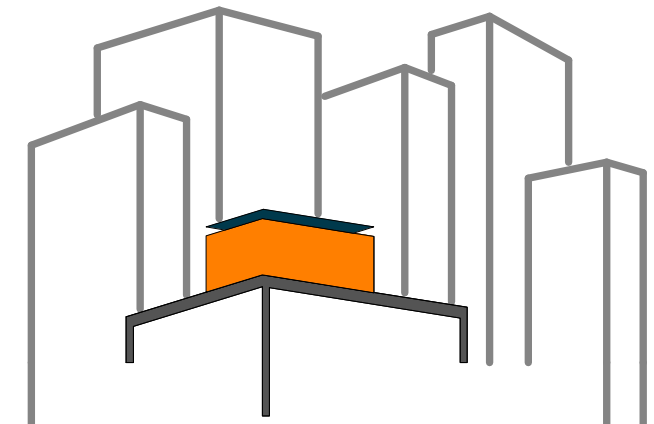
A4 MODULE A NORTH-SOUTH SECTION
1" = 1'-0"
0 1/2' 1' 2'

GENERAL SHEET NOTES

1. REFER TO DRAWING # Z-121.01 FOR STEEL FRAMING SHOP DRAWING
2. DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR DETAILS WHETHER OR NOT SHOWN.

REFERENCE KEYNOTES

05 05 23	METAL FASTENINGS
05 12 00.A0	L 5X3X0.25"
05 12 00.M0	L3X3X0.25
05 12 36.A104	METAL DECK
05 31 00.B0	6" CHANNEL STUD
05 41 00.B5	6" "C" JOIST
05 42 00.A2	



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

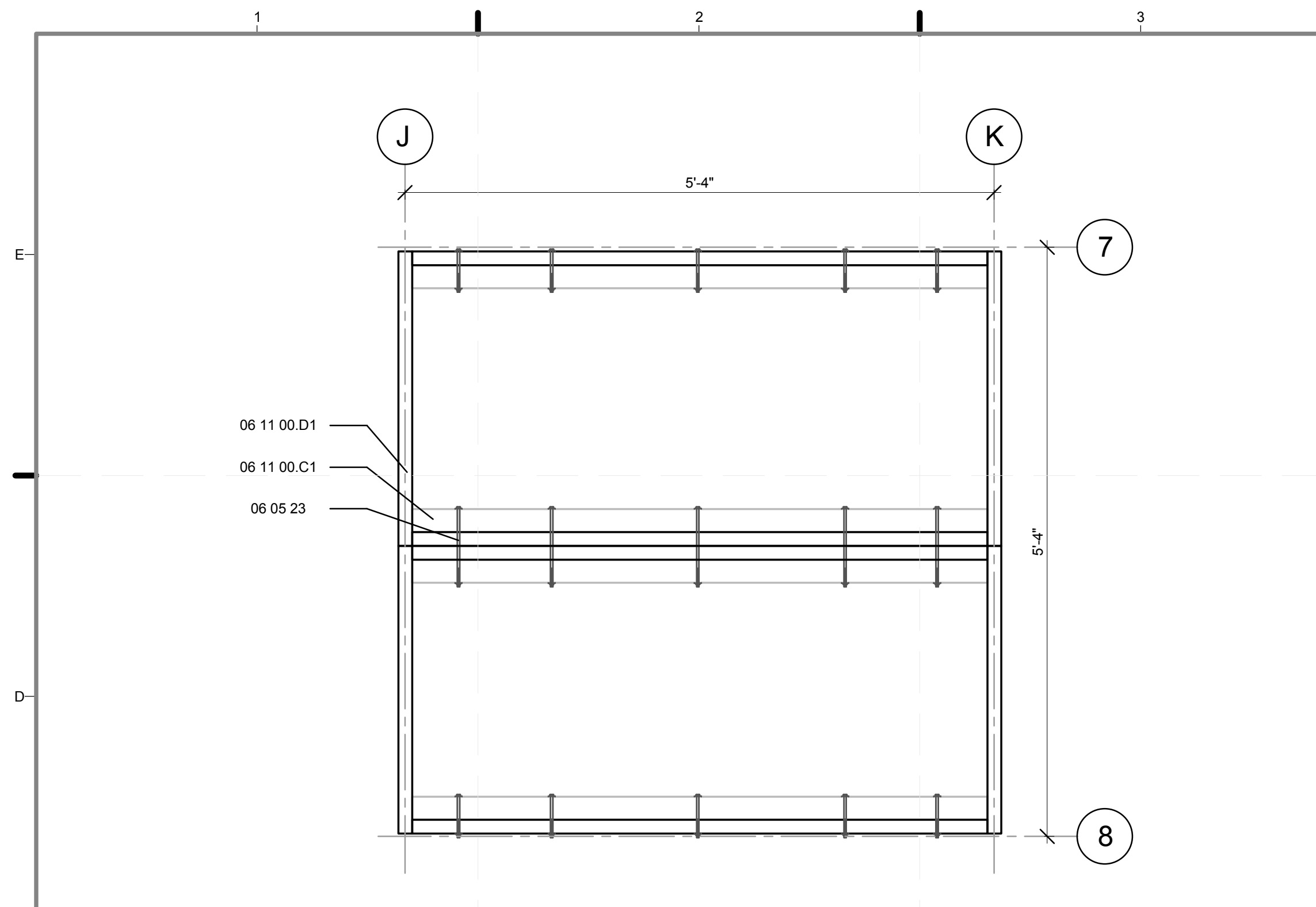
LOT NUMBER: 403
DRAWN BY: TEICHA VILLEGAS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:46:37 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

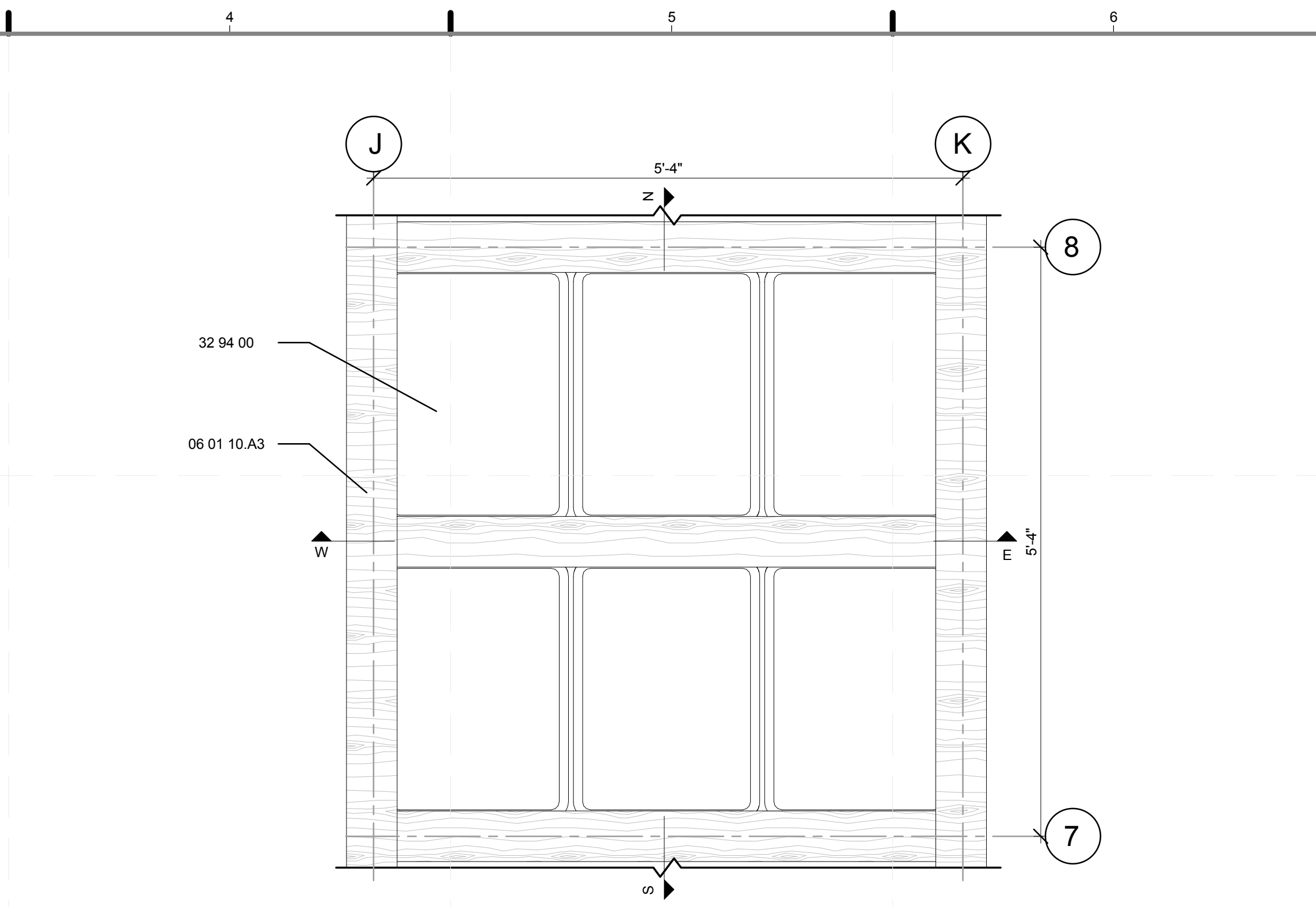
SHEET TITLE:
DETAIL- TYPICAL "A" HARDSCAPE MODULE

SCALE: 1"=1'
PLAN #:

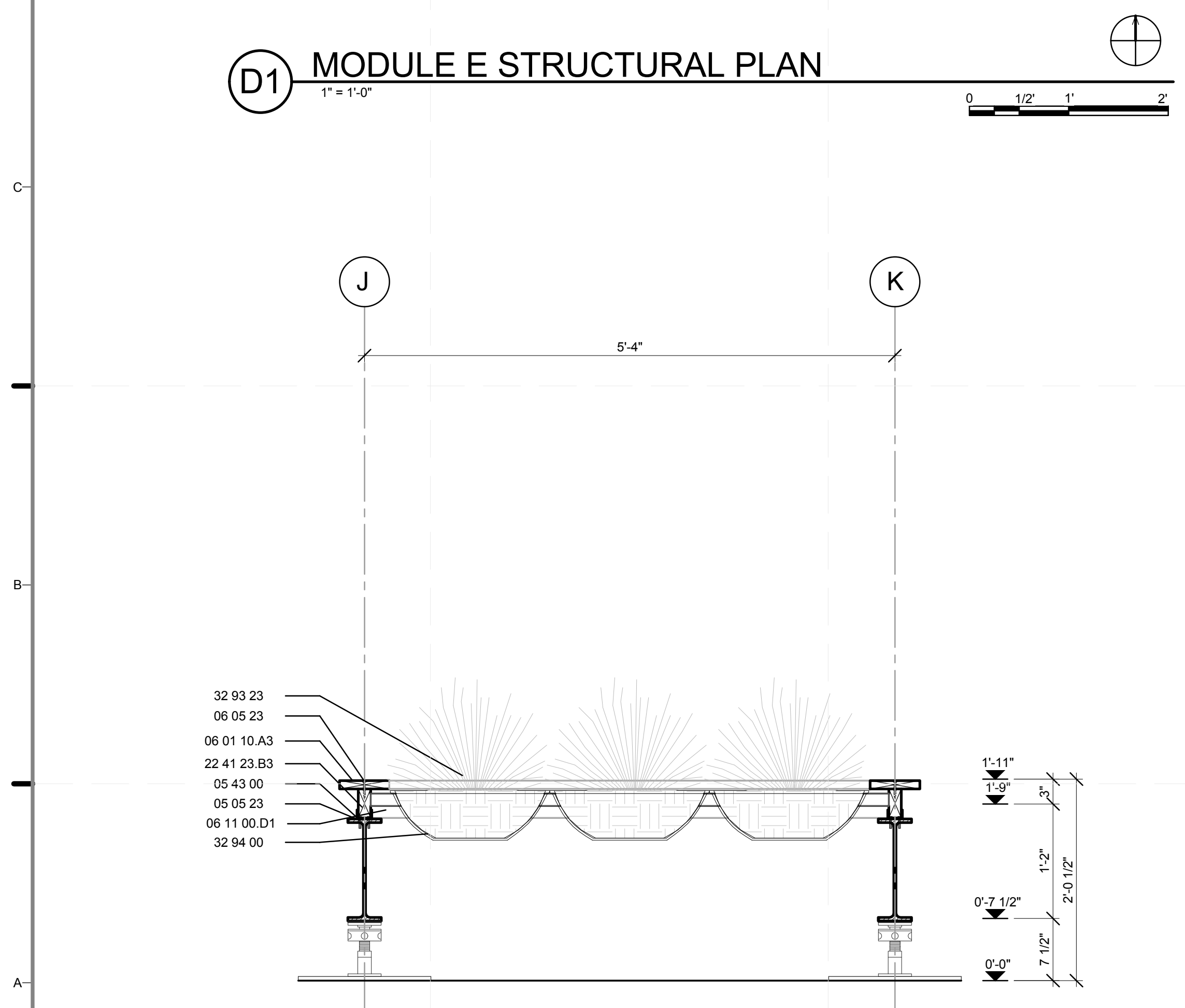
L-401.01



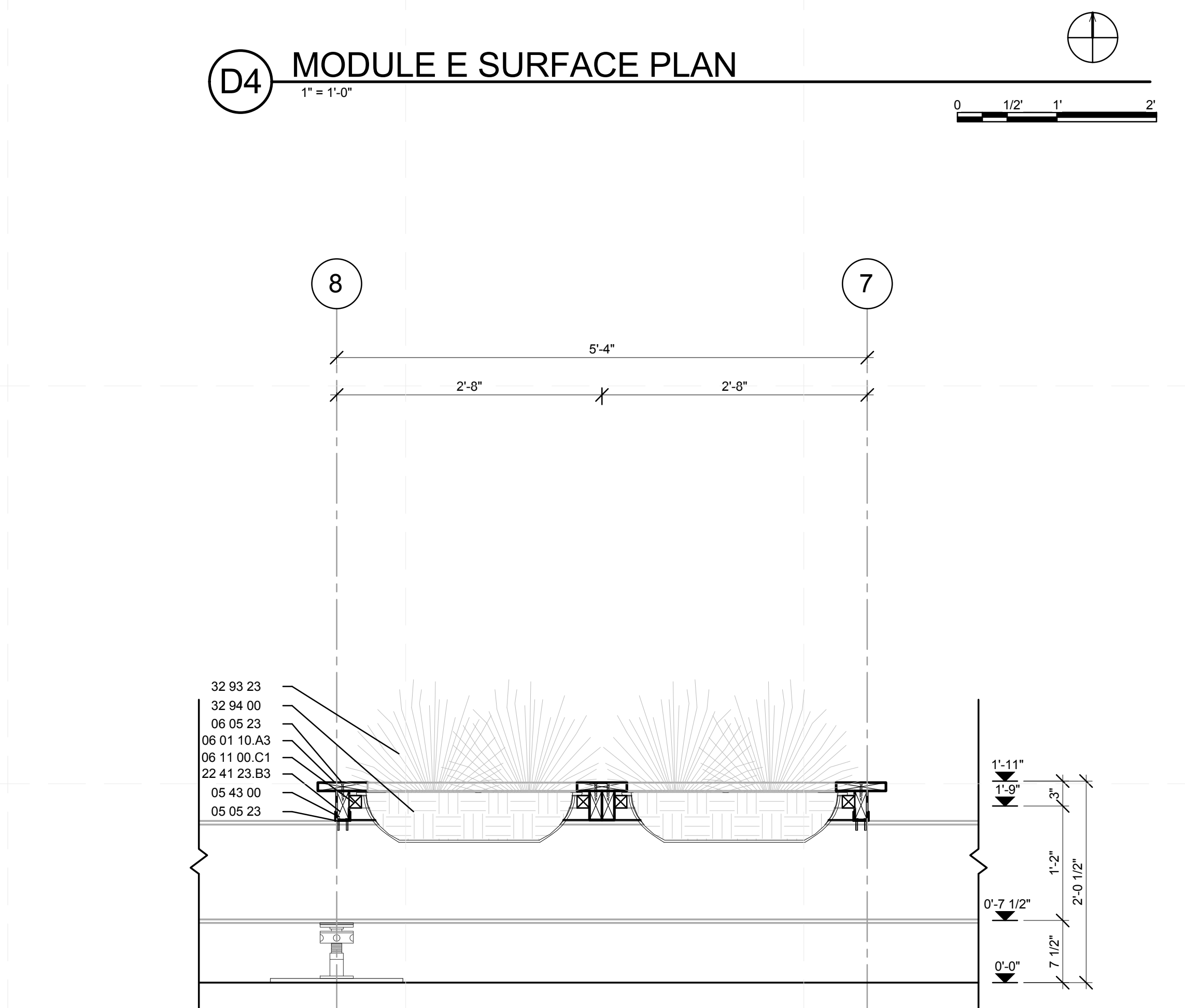
D1 MODULE E STRUCTURAL PLAN
1" = 1'-0"
0 1/2' 1' 2'



D4 MODULE E SURFACE PLAN
1" = 1'-0"
0 1/2' 1' 2'



A1 MODULE E WEST-EAST SECTION
1" = 1'-0"
0 1/2' 1' 2'



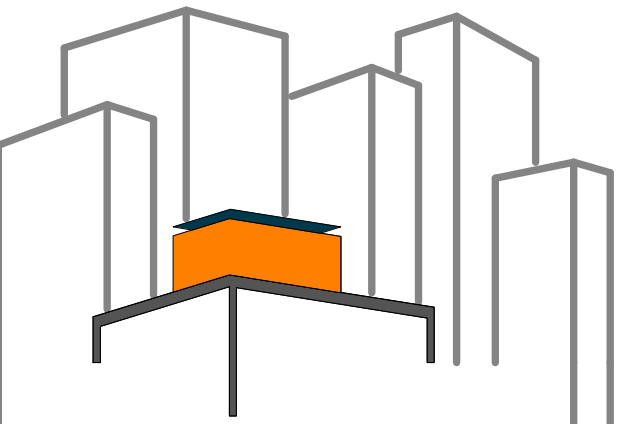
A4 MODULE E NORTH-SOUTH SECTION
1" = 1'-0"
0 1/2' 1' 2'

GENERAL SHEET NOTES

1. DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR DETAILS WHETHER OR NOT SHOWN.

REFERENCE KEYNOTES

05 05 23	METAL FASTENINGS
05 43 00	SLOTTED CHANNEL FRAMING
06 01 10.A3	1X6R
06 05 23	WOOD, PLASTIC, AND COMPOSITE FASTENINGS
06 11 00.C1	2X3
06 11 00.D1	2X4
22 41 23.B3	PRE-FABRICATED SHOWER STALL
32 93 23	PLANTS AND BULBS
32 94 00	PLANTING ACCESSORIES



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

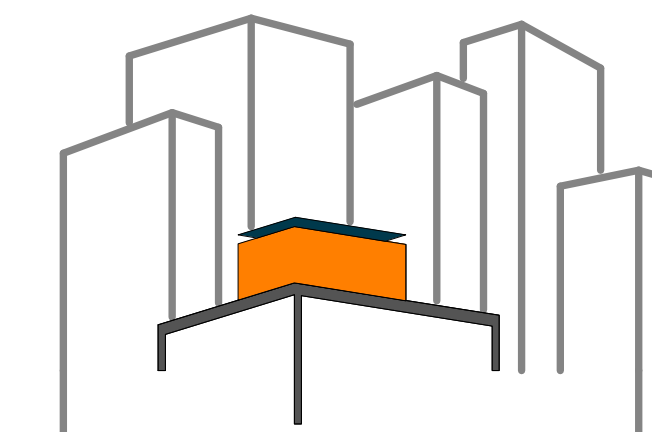
LOT NUMBER: 403
DRAWN BY: YINERY BAEZ
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:46:41 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- TYPICAL "E" SOFTSCAPE MODULE

SCALE: 1"=1'
PLAN #:

L-402.01



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: YELISA GRULLON
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:46:52 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL "B" HARD/SOFTSCAPE MODULE

SCALE: 1"=1'
PLAN #:

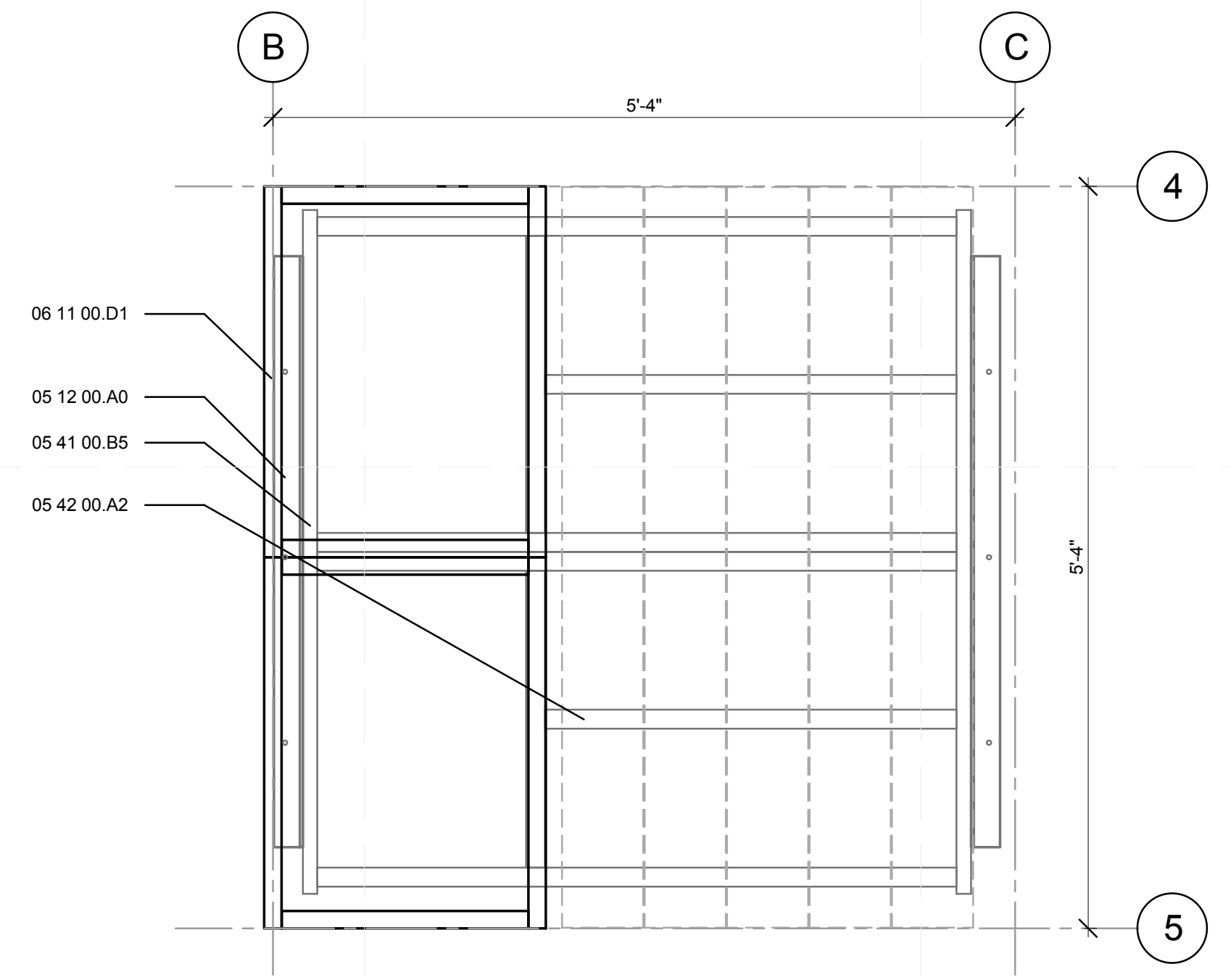
L-403.01

GENERAL SHEET NOTES

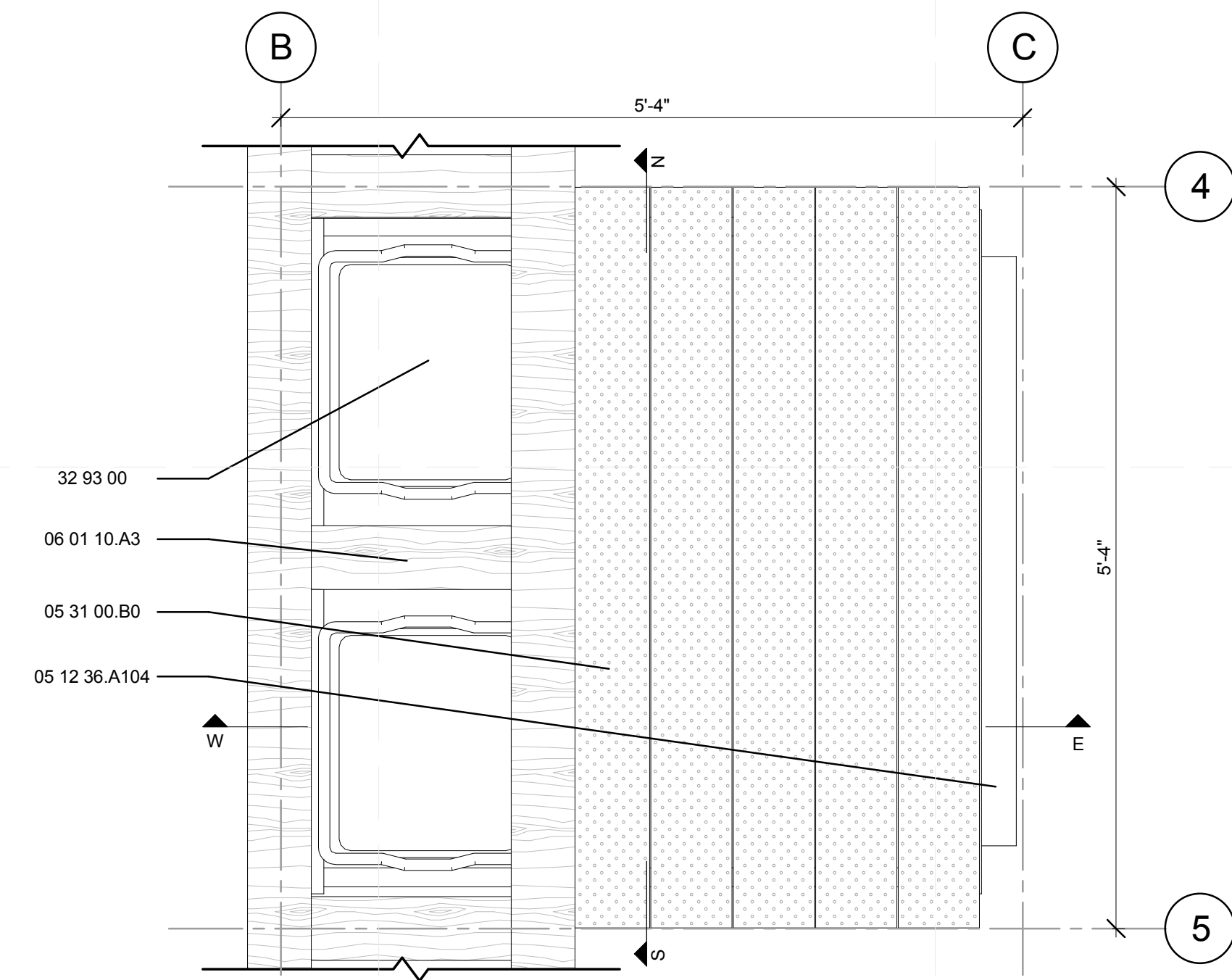
- REFER TO DRAWING # Z-122.01 FOR STEEL FRAMING SHOP DRAWING
- DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR DETAILS WHETHER OR NOT SHOWN.

REFERENCE KEYNOTES

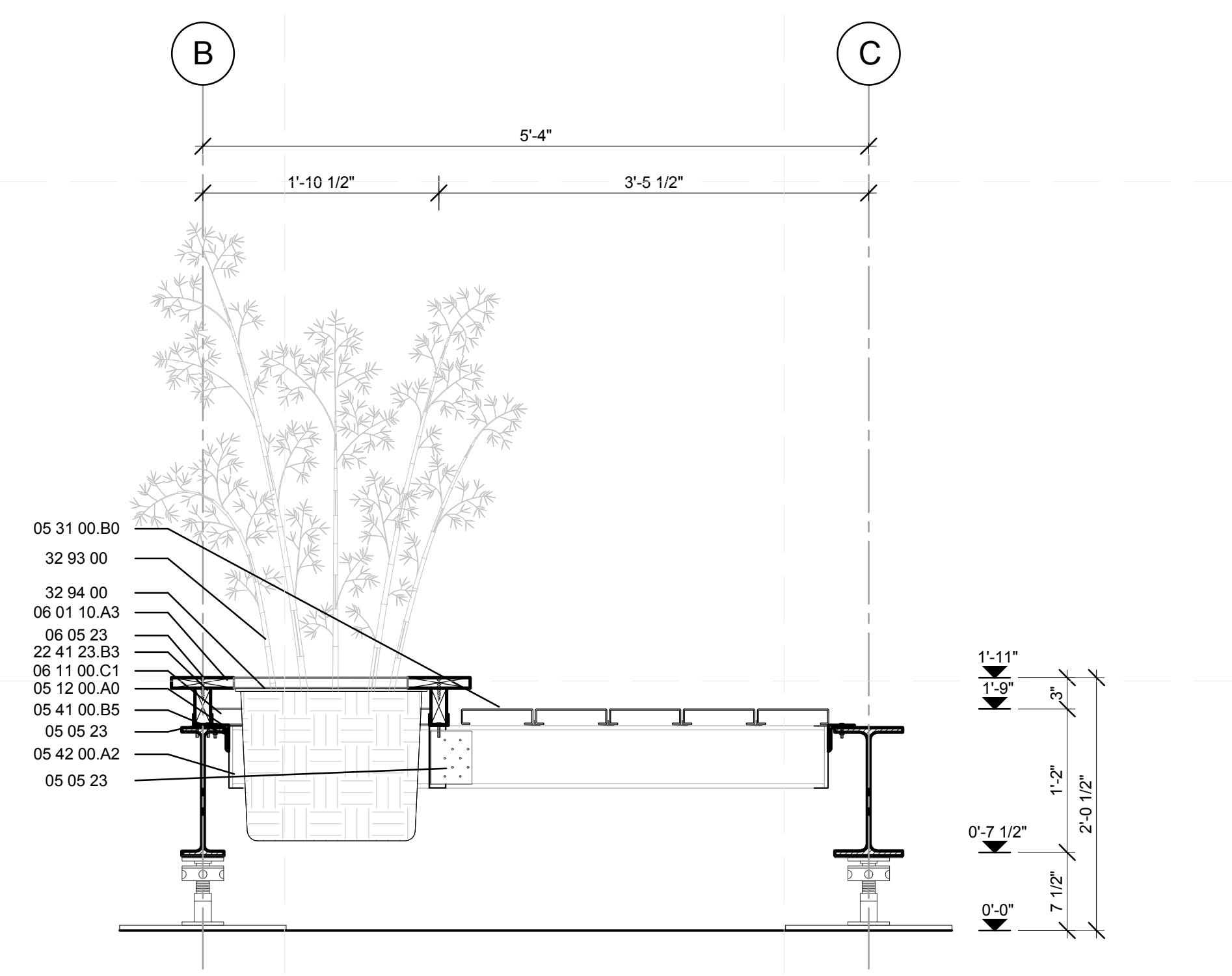
05 05 23	METAL FASTENINGS
05 12 00.A0	L 5X3X0.25"
05 12 36.A104	L3X3X0.25"
05 30 00	METAL DECKING
05 31 00.B0	METAL DECK
05 41 00.B5	6" CHANNEL STUD
05 42 00.A2	6" "C" JOIST
06 01 10.A3	1X6R
06 05 23	WOOD, PLASTIC, AND COMPOSITE FASTENINGS
06 11 00.C1	2X3
06 11 00.D1	2X4
22 41 23.B3	PRE-FABRICATED SHOWER STALL
32 93 00	PLANTS
32 94 00	PLANTING ACCESSORIES



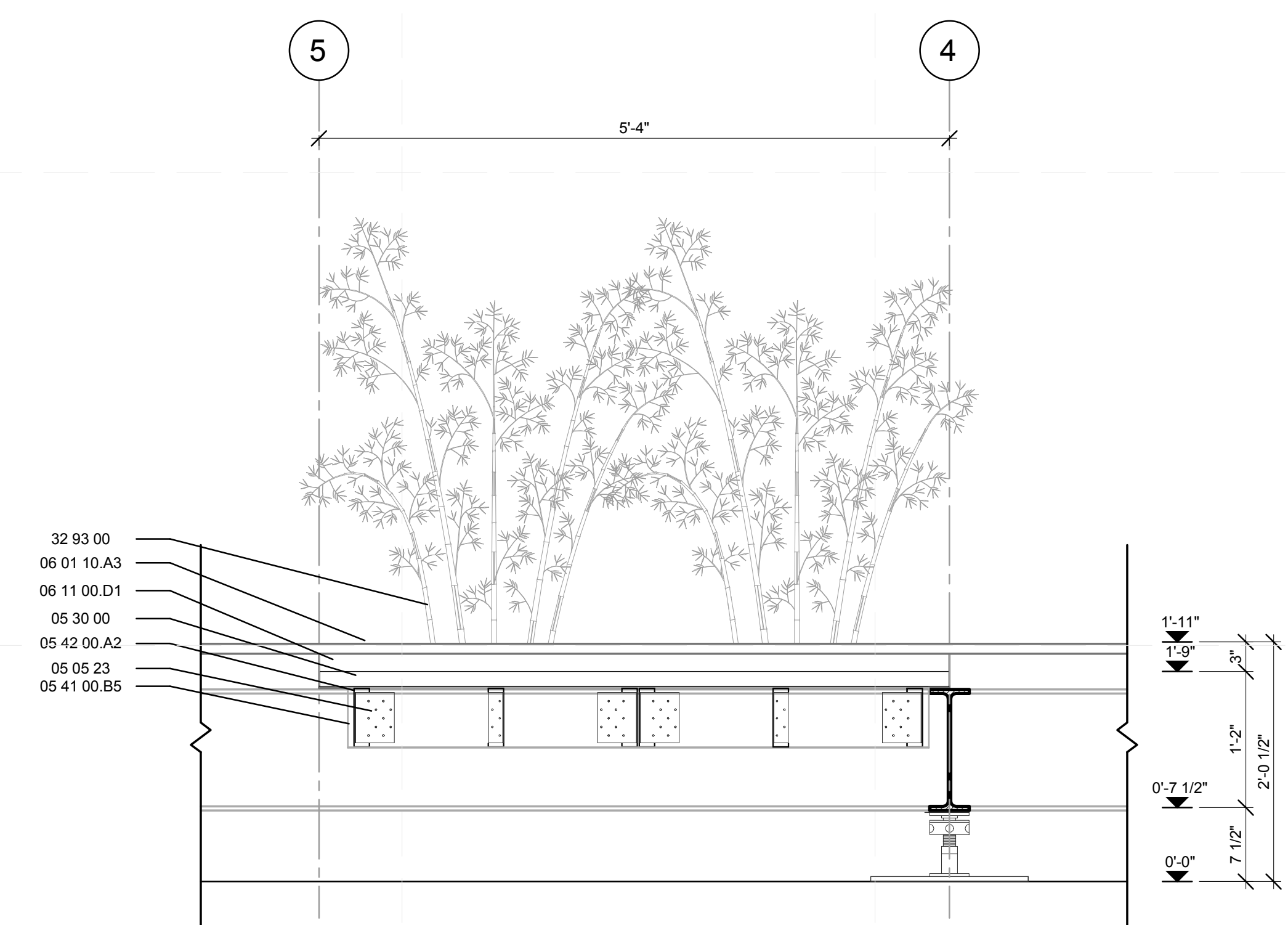
D1 MODULE B STRUCTURAL PLAN
1" = 1'-0"
0 1/2' 1' 2'



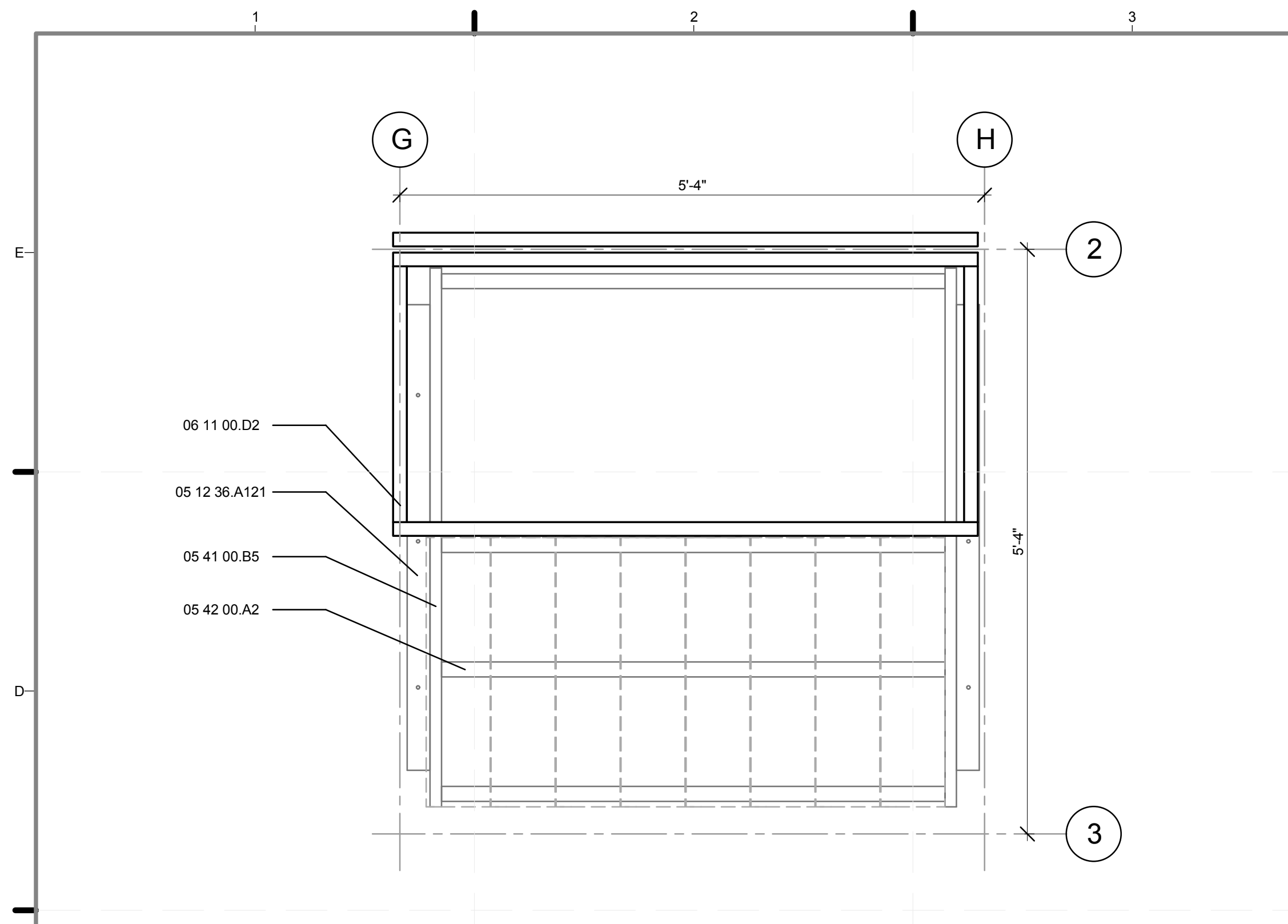
D4 MODULE B SURFACE PLAN
1" = 1'-0"
0 1/2' 1' 2'



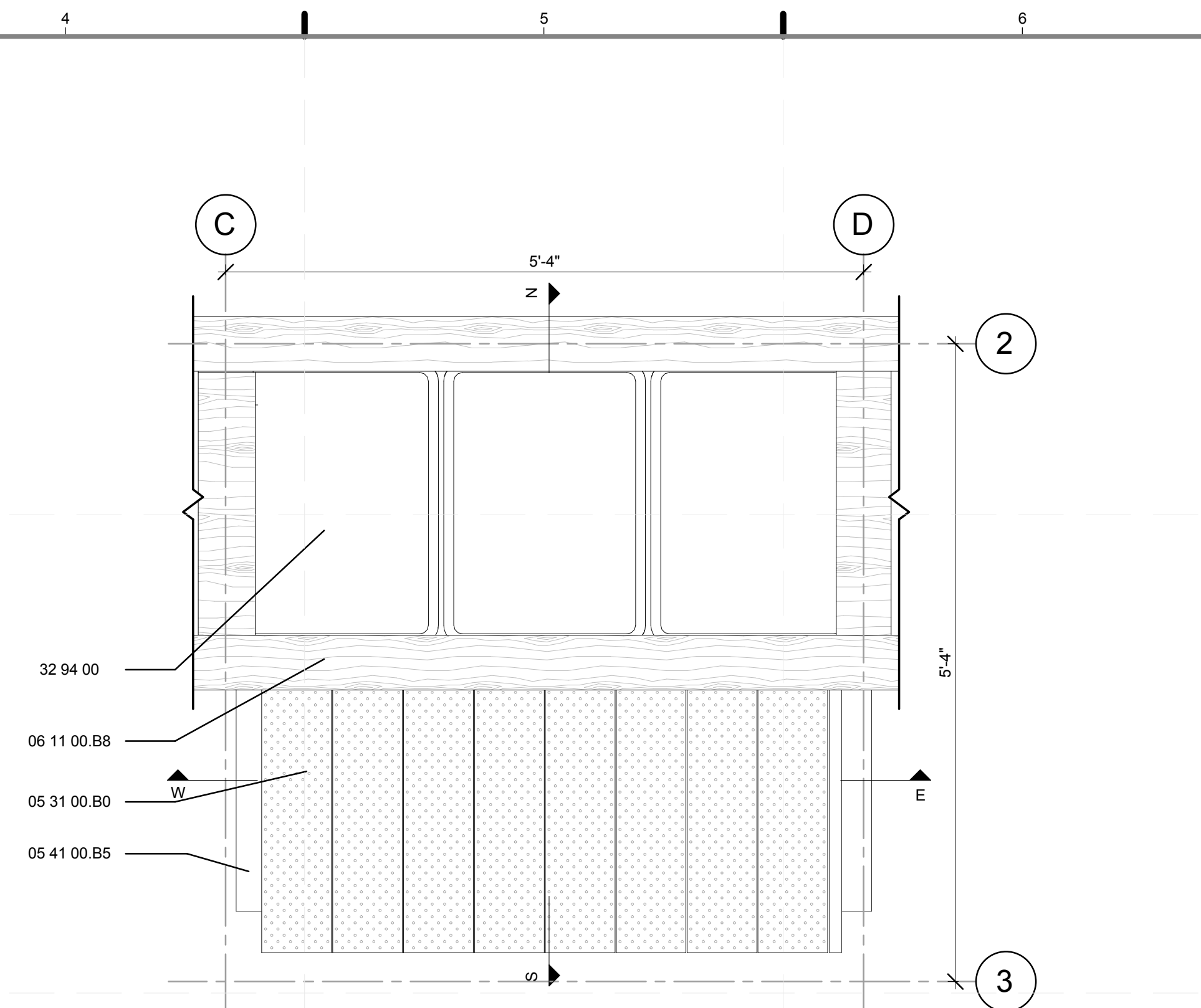
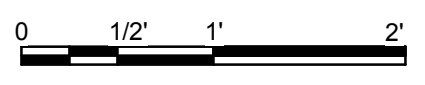
A1 MODULE B WEST-EAST SECTION
1" = 1'-0"
0 1/2' 1' 2'



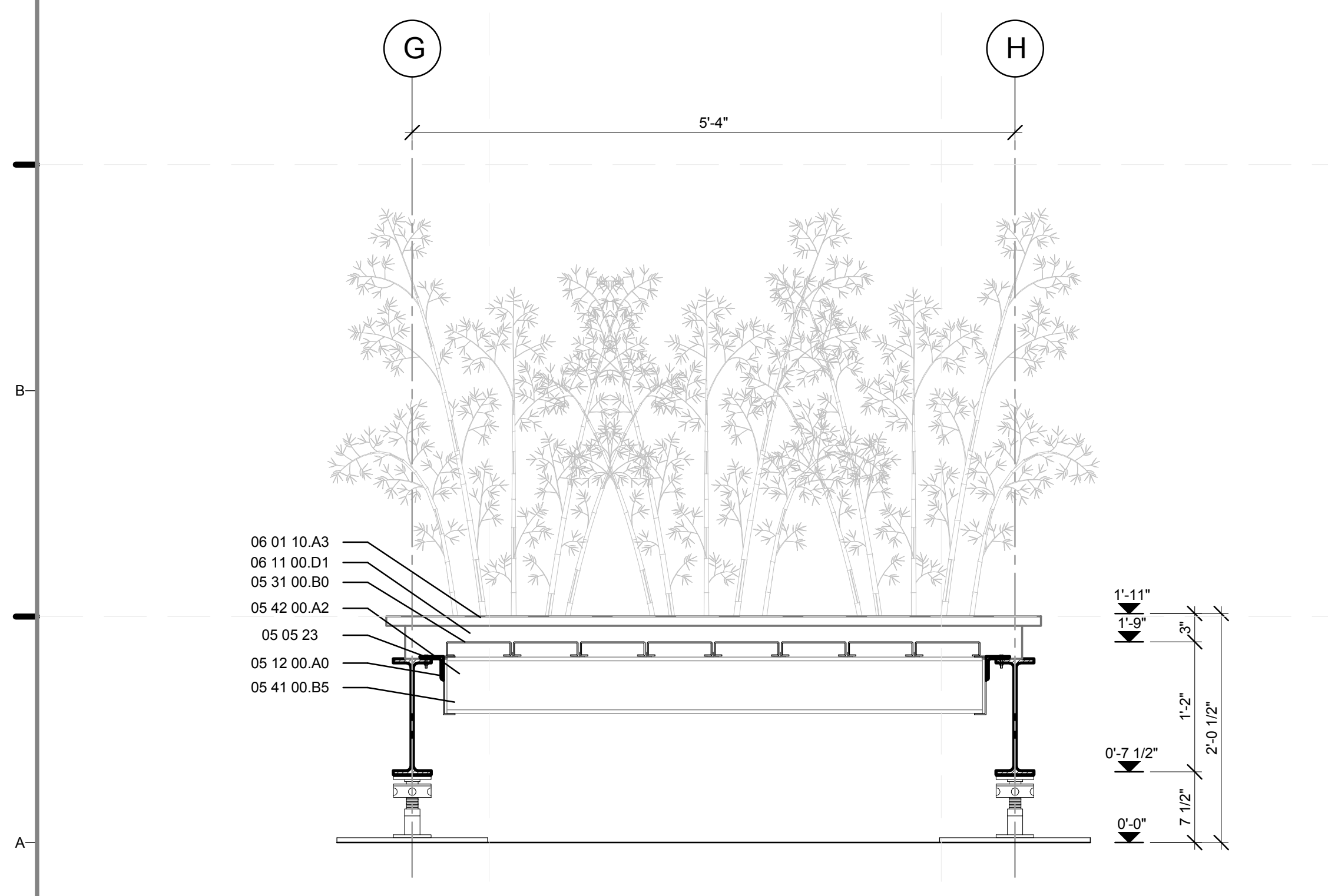
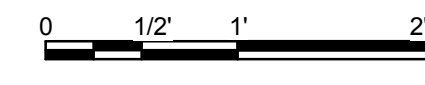
A4 MODULE B NORTH-SOUTH SECTION
1" = 1'-0"
0 1/2' 1' 2'



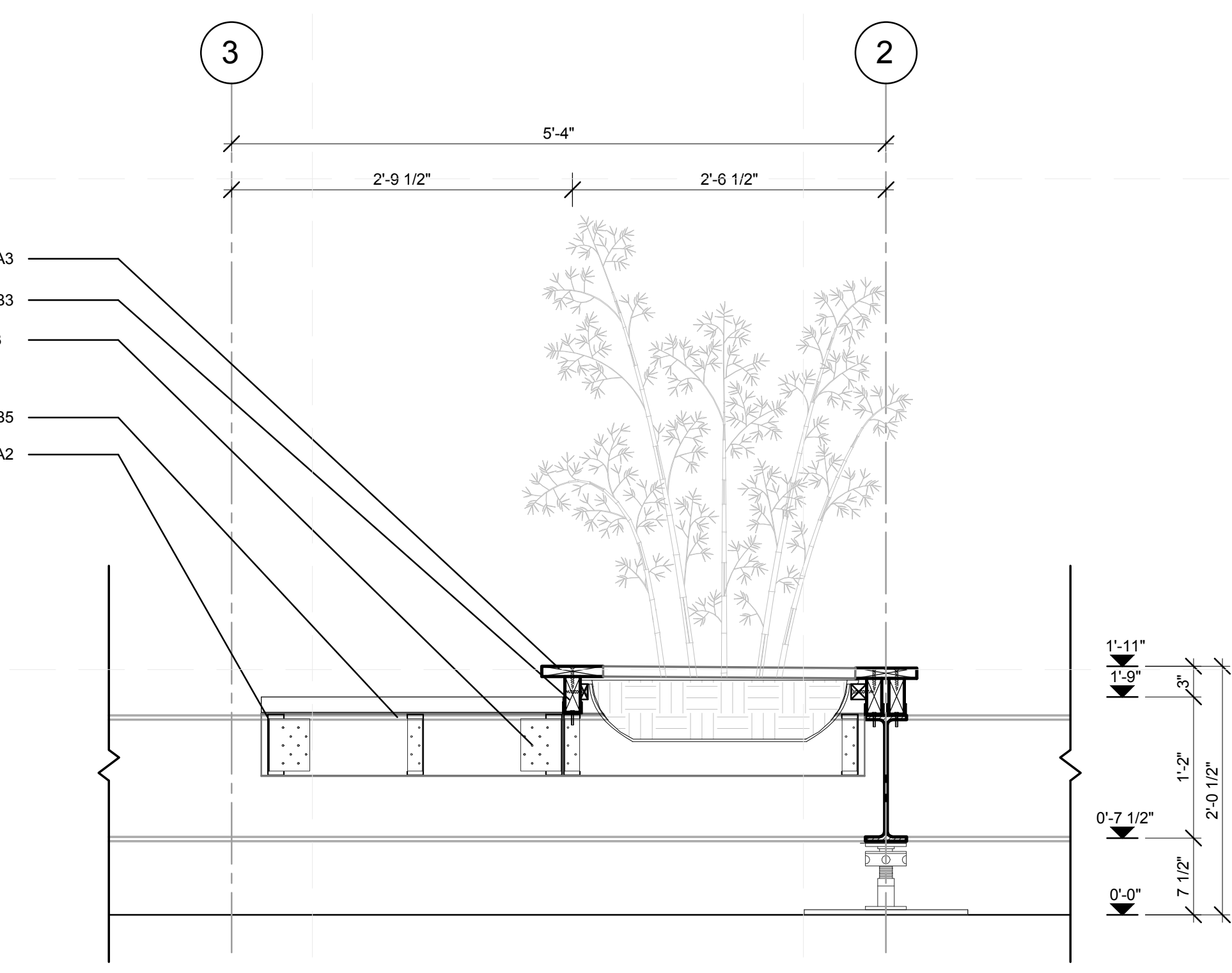
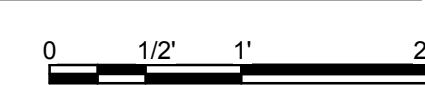
D1 MODULE C STRUCTURAL PLAN
1" = 1'-0"



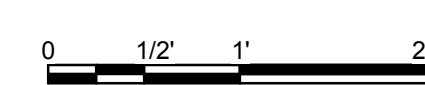
D4 MODULE C SURFACE PLAN
1" = 1'-0"



A1 MODULE C WEST-EAST SECTION
1" = 1'-0"



A4 MODULE C NORTH-SOUTH SECTION
1" = 1'-0"

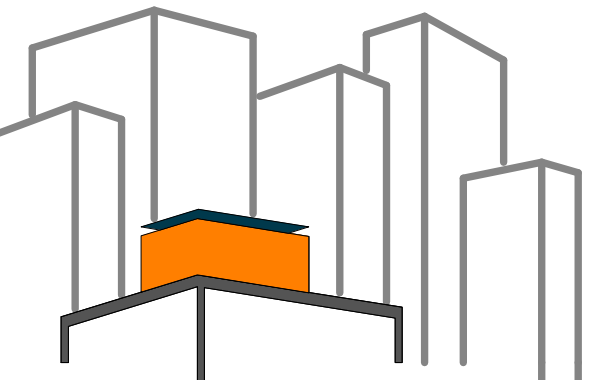


GENERAL SHEET NOTES

1. REFER TO DRAWING # Z-123.01 FOR STEEL FRAMING SHOP DRAWING
2. DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR DETAILS WHETHER OR NOT SHOWN.

REFERENCE KEYNOTES

05 05 23	METAL FASTENINGS
05 12 00.A0	L 5X3X0.25"
05 12 36.A121	L 2.5X2.5X0.25
05 31 00.B0	METAL DECK
05 41 00.B5	6" CHANNEL STUD
05 42 00.A2	6" "C" JOIST
06 01 10.A3	1X6R
06 11 00.B8	1X6
06 11 00.D1	2X4
06 11 00.D2	TREATED 2X4
22 41 23.B3	PRE-FABRICATED SHOWER STALL
32 94 00	PLANTING ACCESSORIES



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

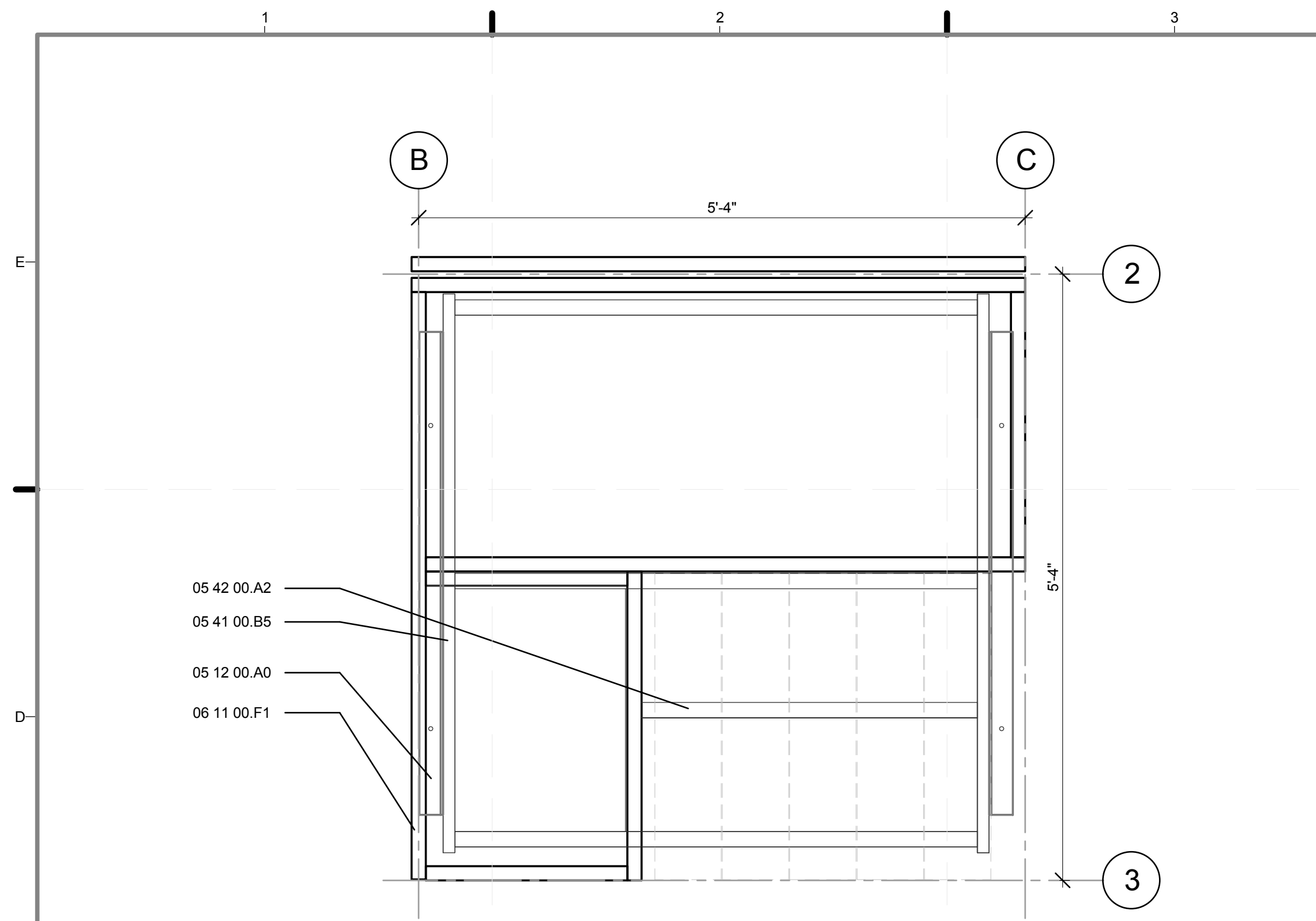
LOT NUMBER: 403
DRAWN BY: YINERY BAEZ
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:46:59 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

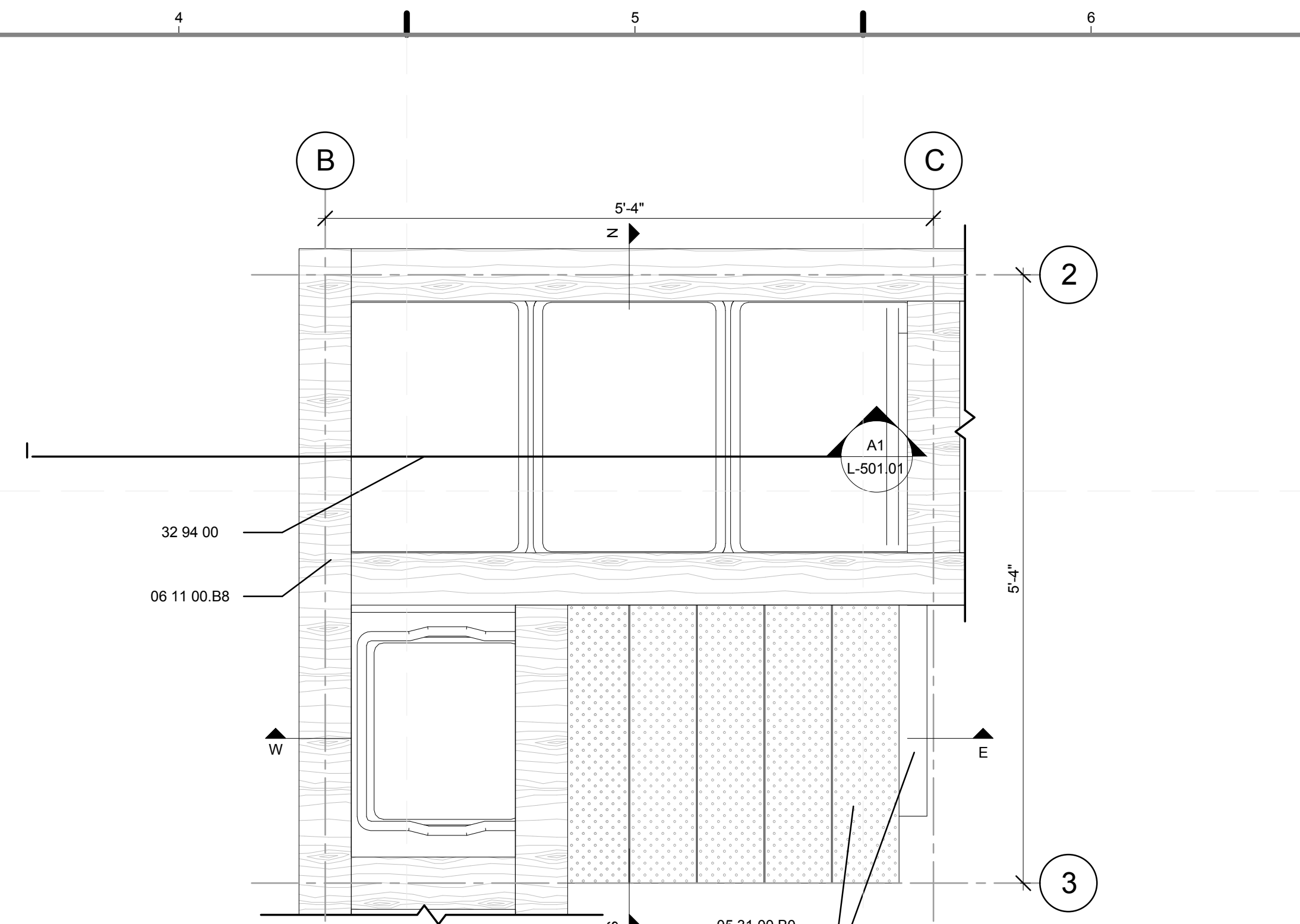
SHEET TITLE:
DETAIL- TYPICAL "C" HARD/SOFTSCAPE MODULE

SCALE: 1"=1'
PLAN #:

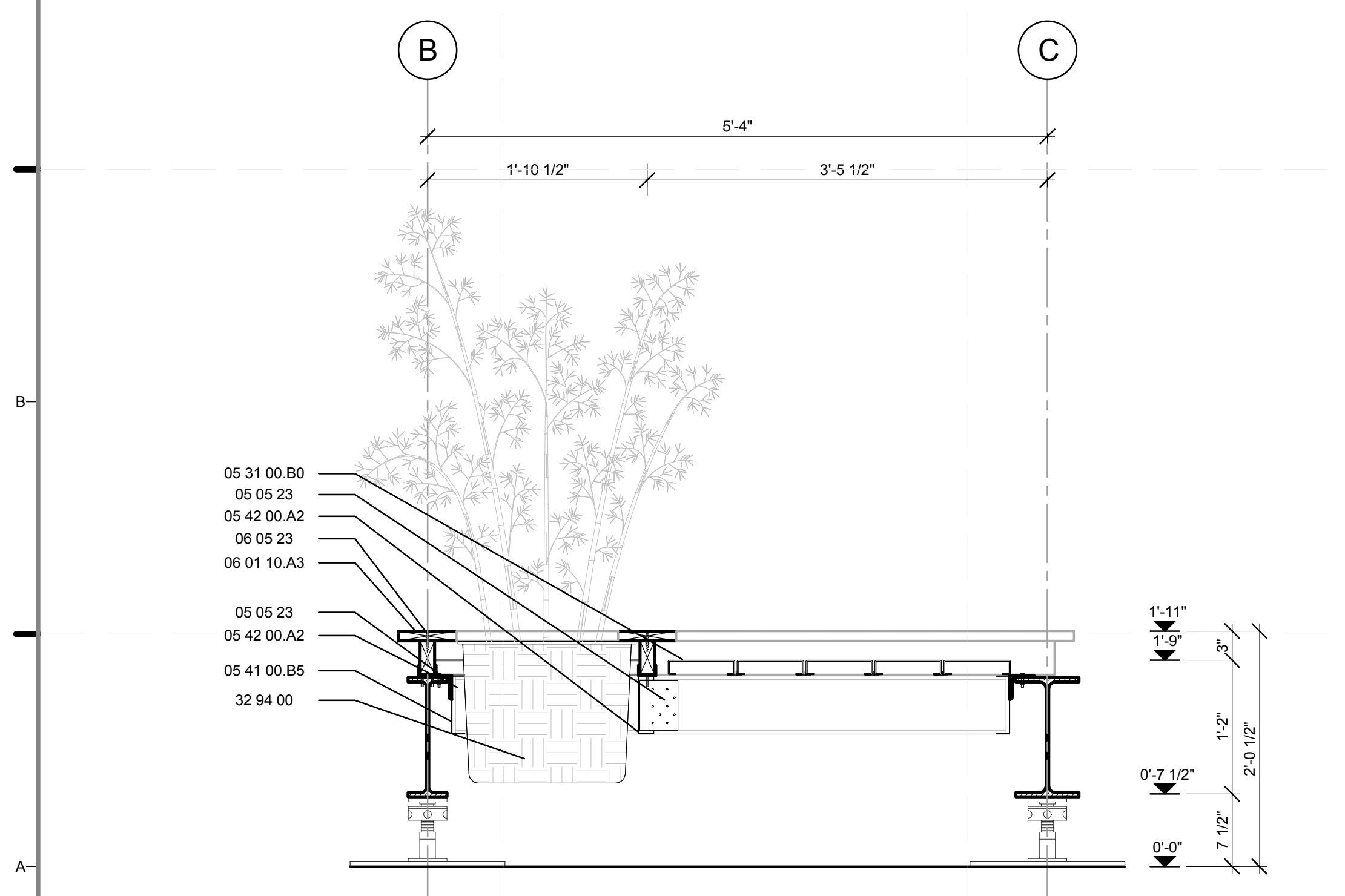
L-404.01



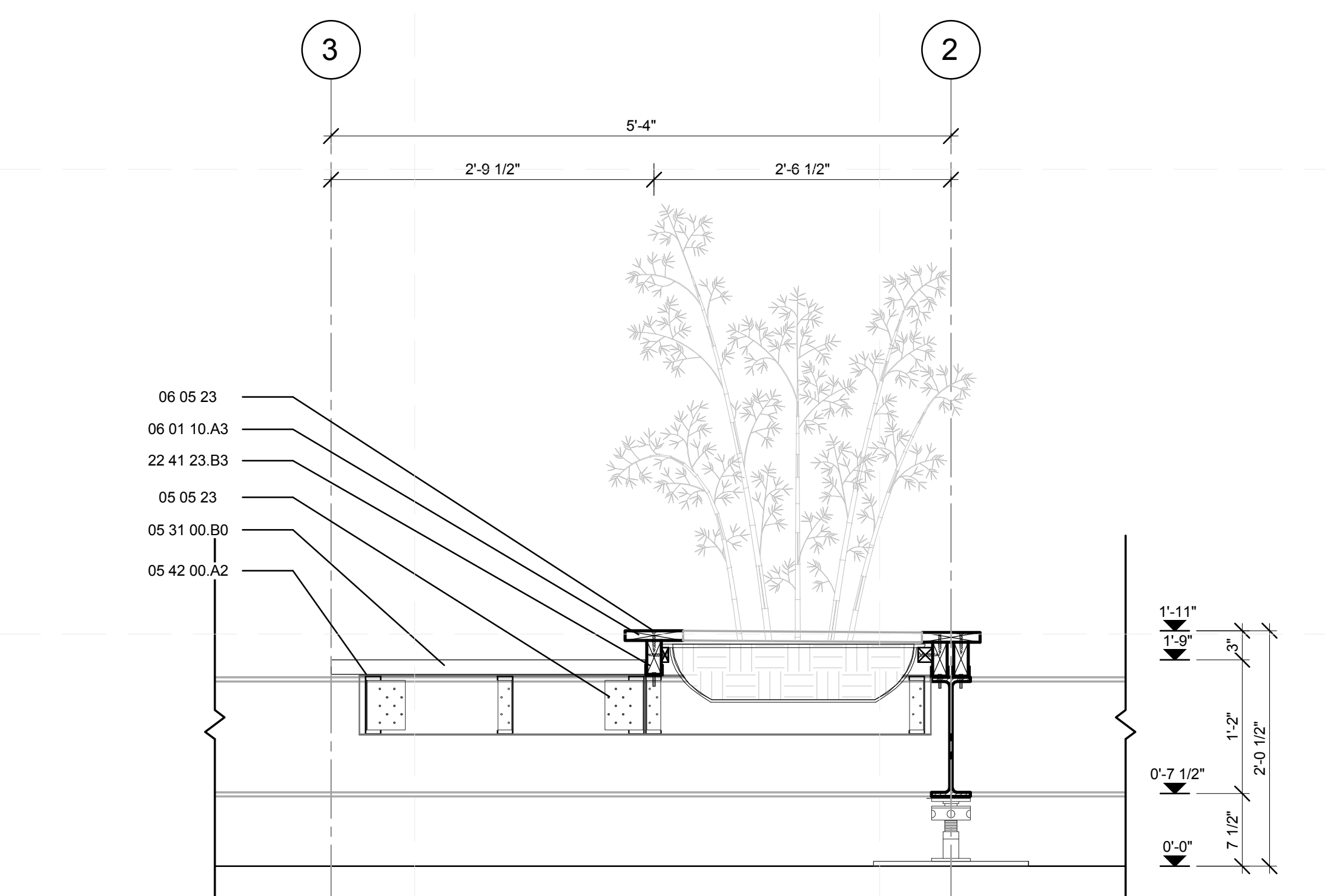
D1 MODULE D STRUCTURAL PLAN
1" = 1'-0"
0 1/2' 1' 2'



D4 MODULE D SURFACE PLAN
1" = 1'-0"
0 1/2' 1' 2'



A1 MODULE D WEST-EAST ELEVATION
1" = 1'-0"
0 1/2' 1' 2'



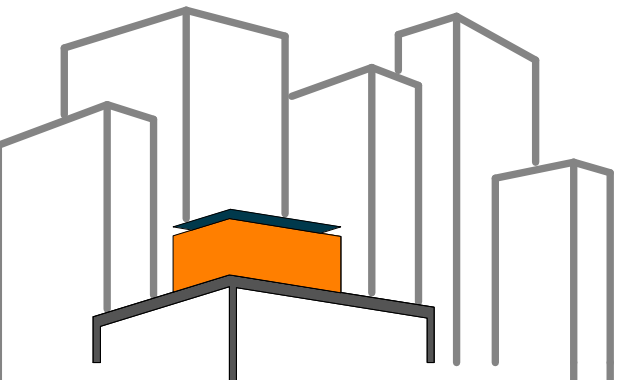
A4 MODULE D NORTH-SOUTH SECTION
1" = 1'-0"
0 1/2' 1' 2'

GENERAL SHEET NOTES

1. REFER TO DRAWING # Z-124.01 FOR STEEL FRAMING SHOP DRAWING
2. DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR DETAILS WHETHER OR NOT SHOWN.

REFERENCE KEYNOTES

- | | |
|---------------|---|
| 05 05 23 | METAL FASTENINGS |
| 05 12 00.A0 | L 5X3X0.25" |
| 05 12 36.A104 | L3X3X0.25" |
| 05 31 00.B0 | METAL DECK |
| 05 41 00.B5 | 6" CHANNEL STUD |
| 05 42 00.A2 | 6" "C" JOIST |
| 06 01 10.A3 | 1X6R |
| 06 05 23 | WOOD, PLASTIC, AND COMPOSITE FASTENINGS |
| 06 11 00.B8 | 1X6 |
| 06 11 00.F1 | 2X6 |
| 22 41 23.B3 | PRE-FABRICATED SHOWER STALL |
| 32 94 00 | PLANTING ACCESSORIES |



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

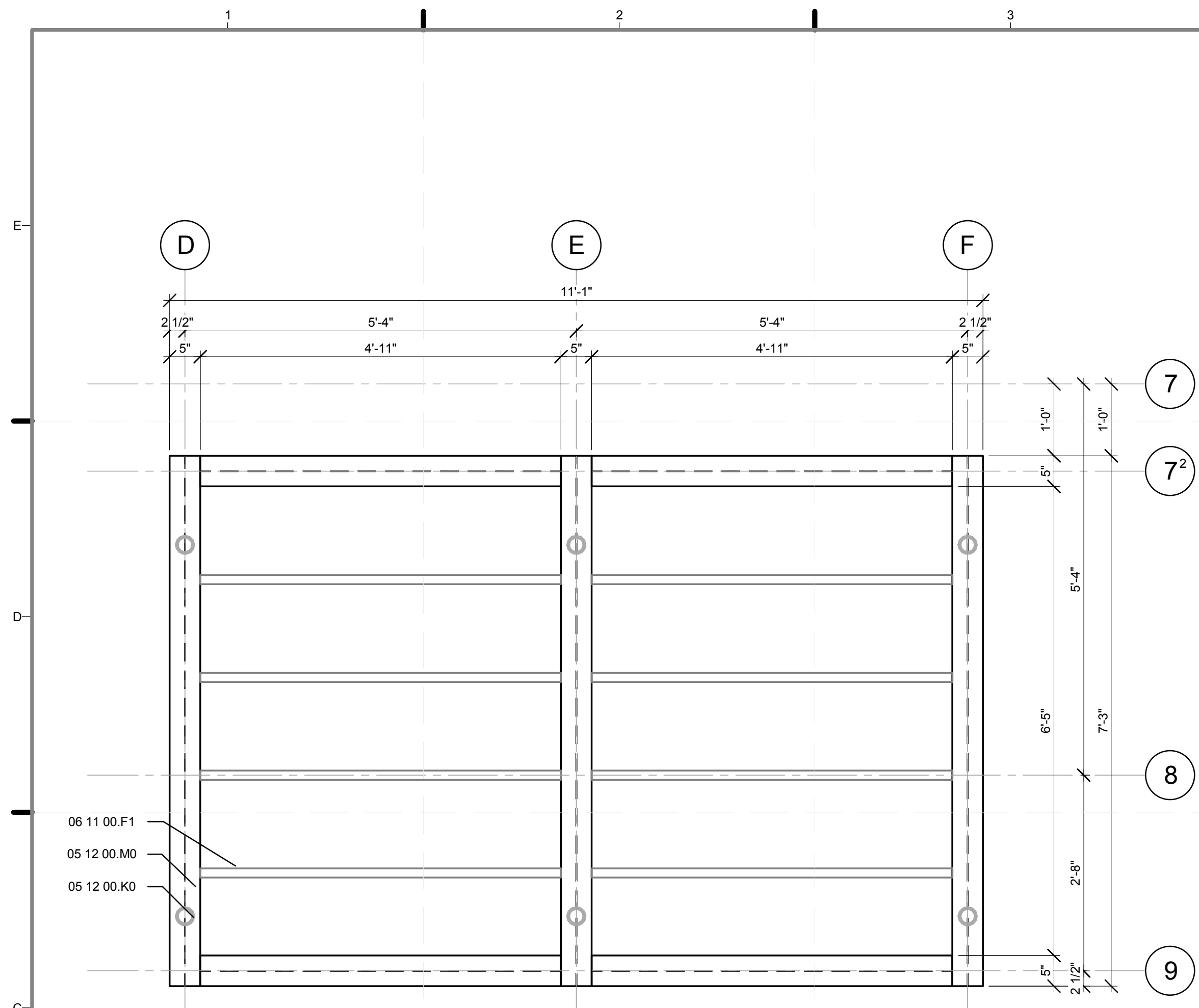
LOT NUMBER: 403
DRAWN BY: TEICHA VILLEGAS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:47:06 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

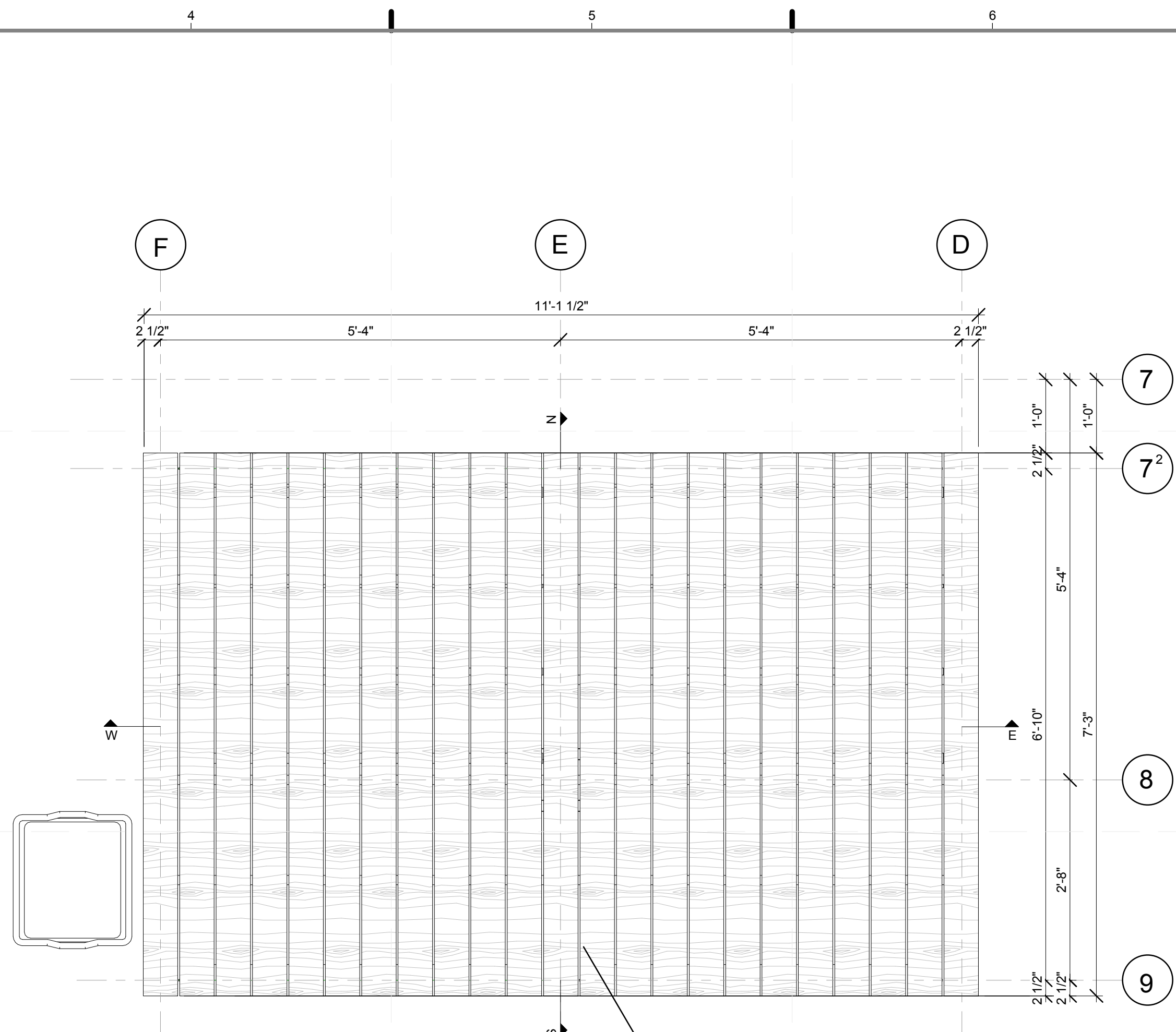
SHEET TITLE:
DETAIL- TYPICAL "D" HARD/SOFTSCAPE MODULE

SCALE: 1"=1'
PLAN #:

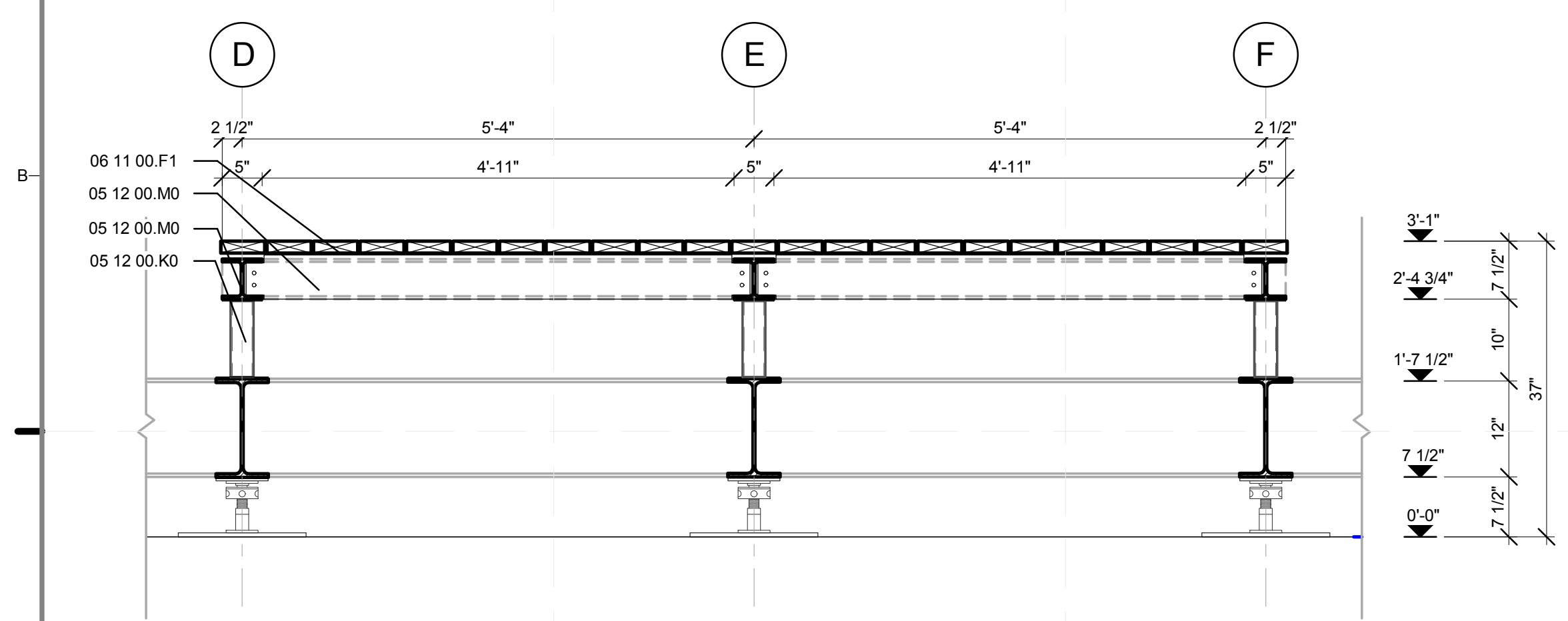
L-405.01



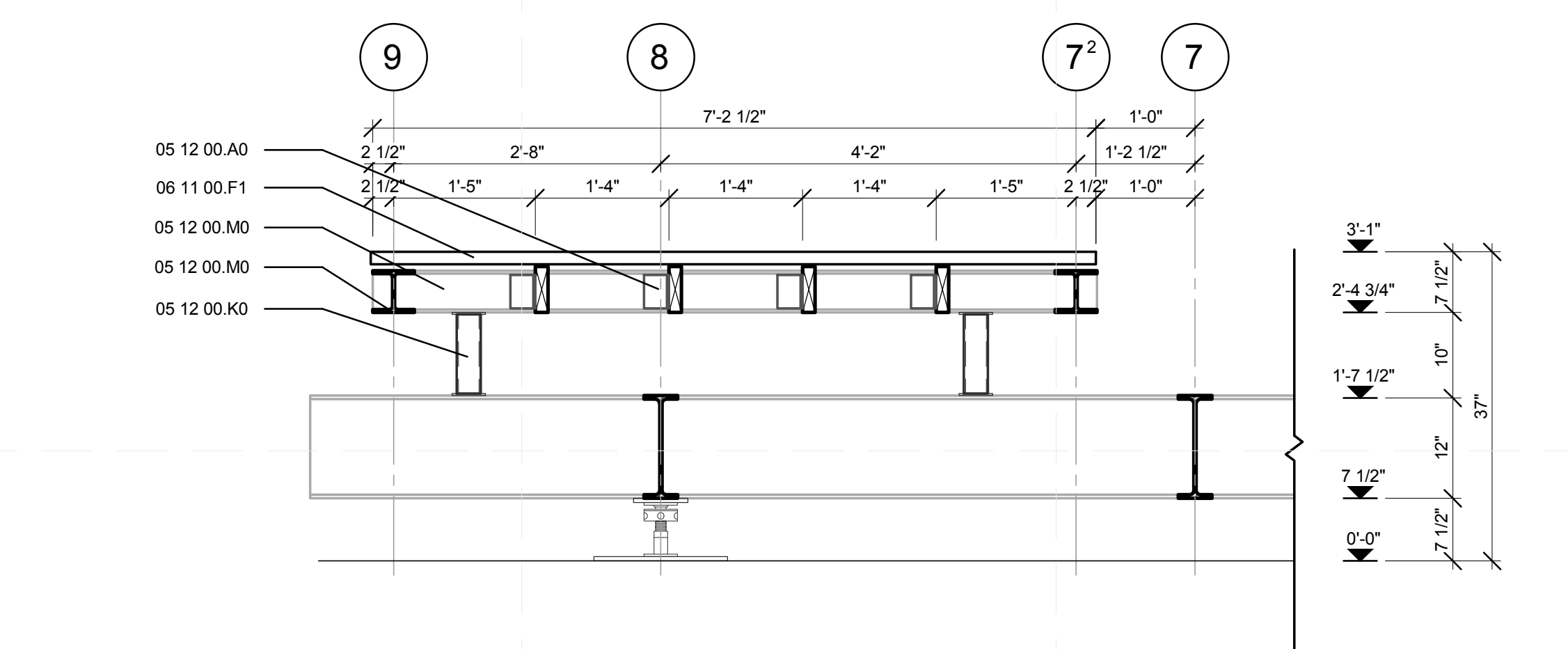
C1 SOUTH PORCH STRUCTURAL PLAN
3/4" = 1'-0"



C4 SOUTH PORCH MODULE PLAN
3/4" = 1'-0"



A1 SOUTH PORCH WEST-EAST SECTION
3/4" = 1'-0"

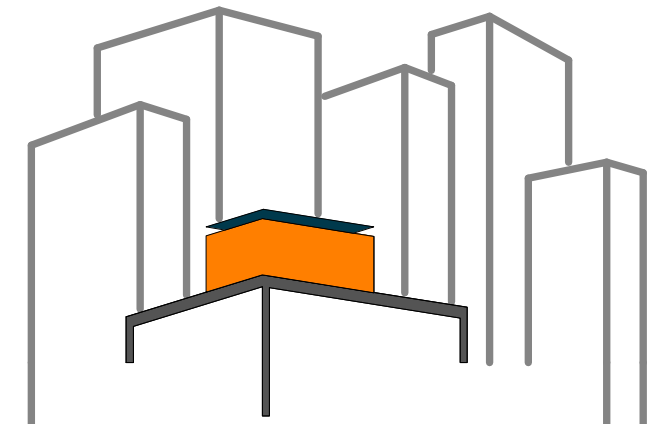


A4 SOUTH PORCH SOUTH-NORTH SECTION
3/4" = 1'-0"



REFERENCE KEYNOTES

- 05 12 00.A0 L 5X3X0.25"
- 05 12 00.K0
- 05 12 00.M0
- 06 11 00.F1 2X6
- 06 15 13 WOOD FLOOR DECKING



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **YELISA GRULLON**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:47:10 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

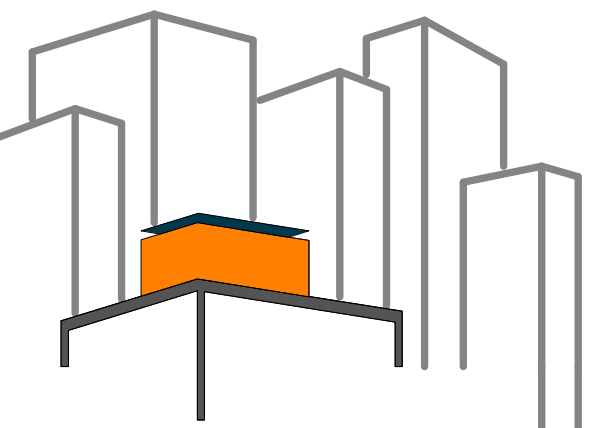
SHEET TITLE:
DETAIL - SOUTH PORCH

SCALE: **3/4"=1'-0"**
PLAN #:

L-406.01

REFERENCE KEYNOTES

05 12 00.A0 L 5X3X0.25"
 05 12 00.K0
 05 12 00.M0
 06 11 00.F1 2X6
 06 15 13 WOOD FLOOR DECKING



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

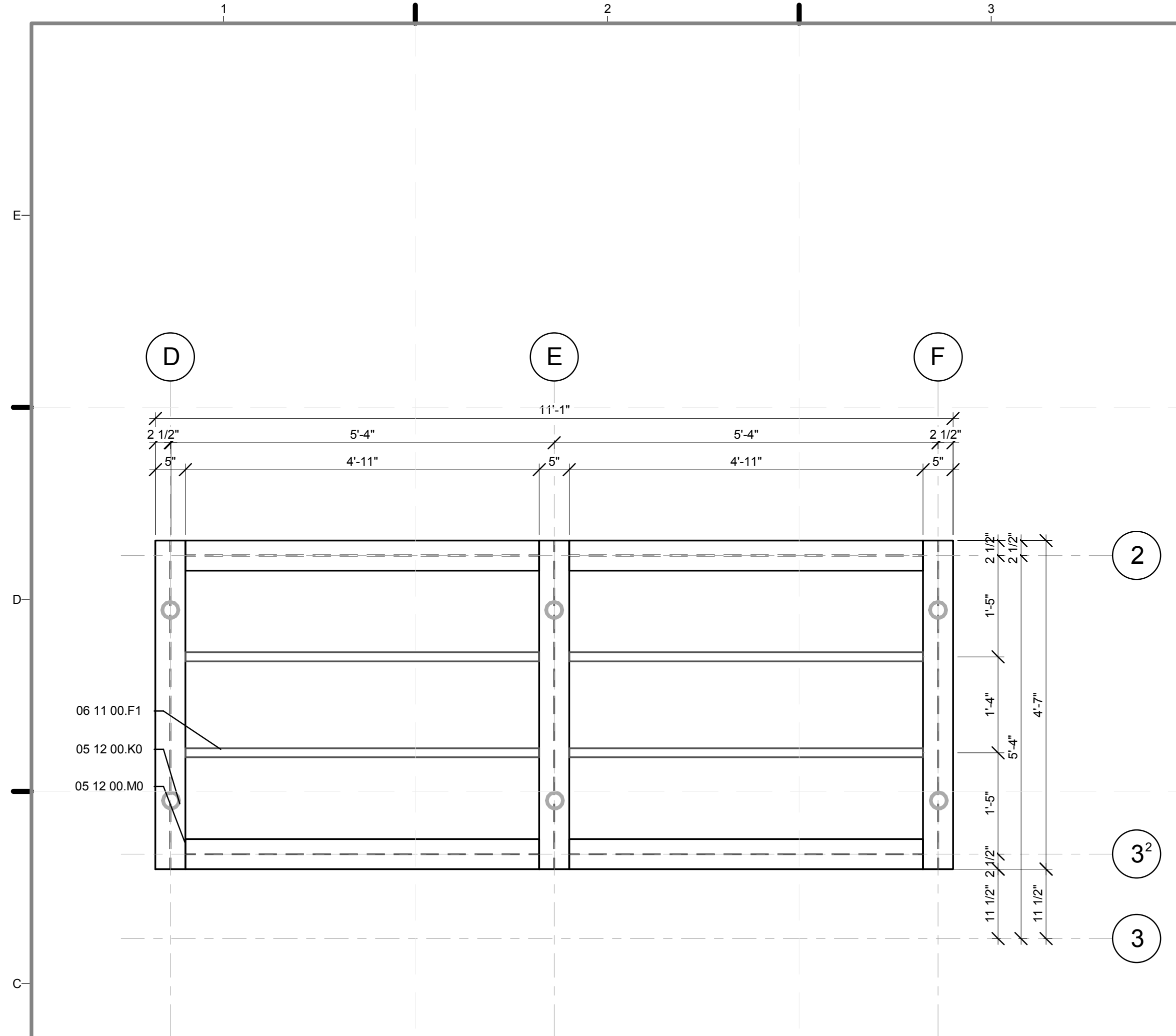
NEW YORK NY 10031

TEL: (212)-650-8737
 ccnysd11@gmail.com

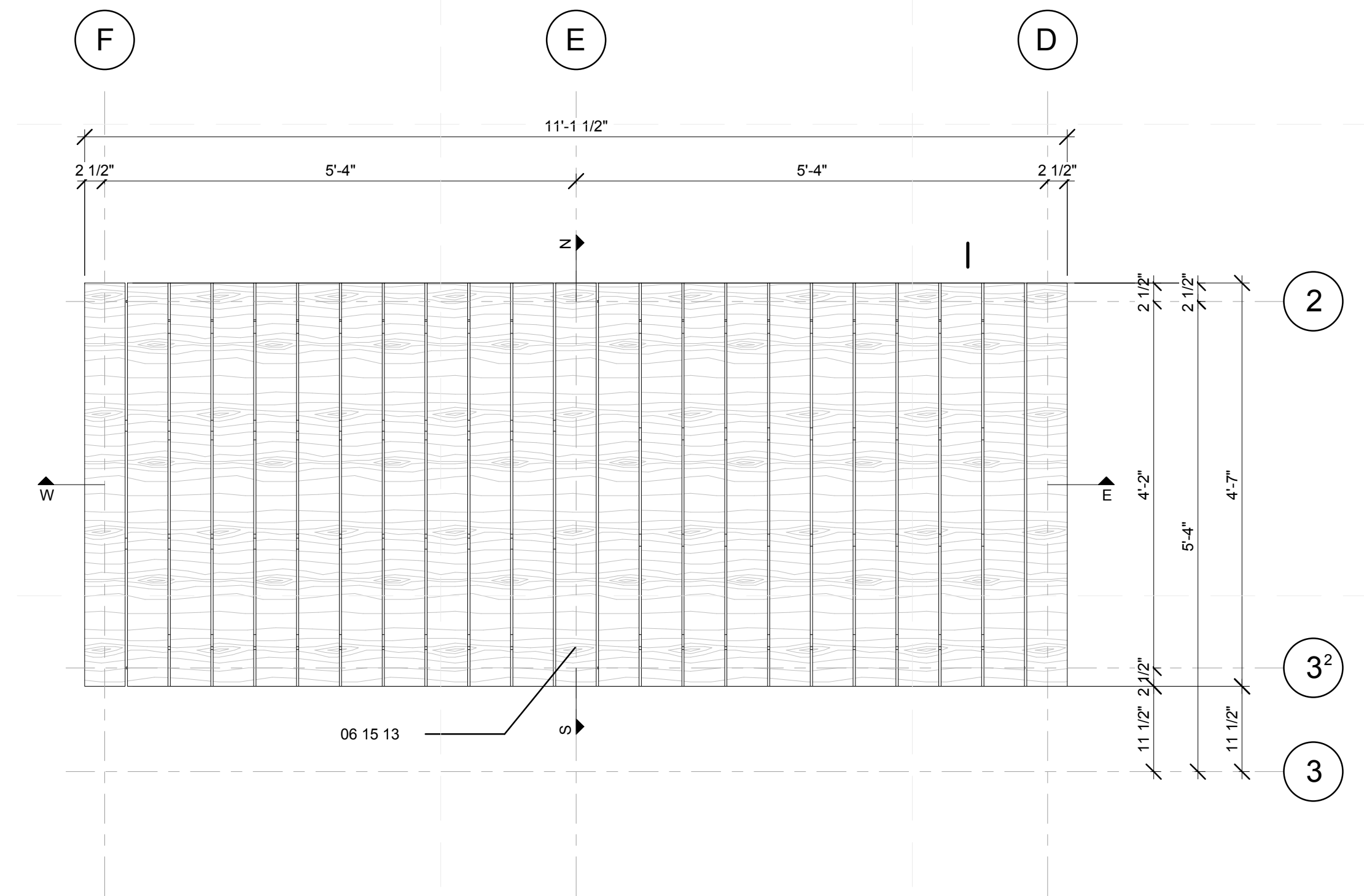


CLIENT:
 U.S. DEPARTMENT OF ENERGY
 SOLAR DECATHLON 2011
 WWW.SOLARDECATHLON.GOV

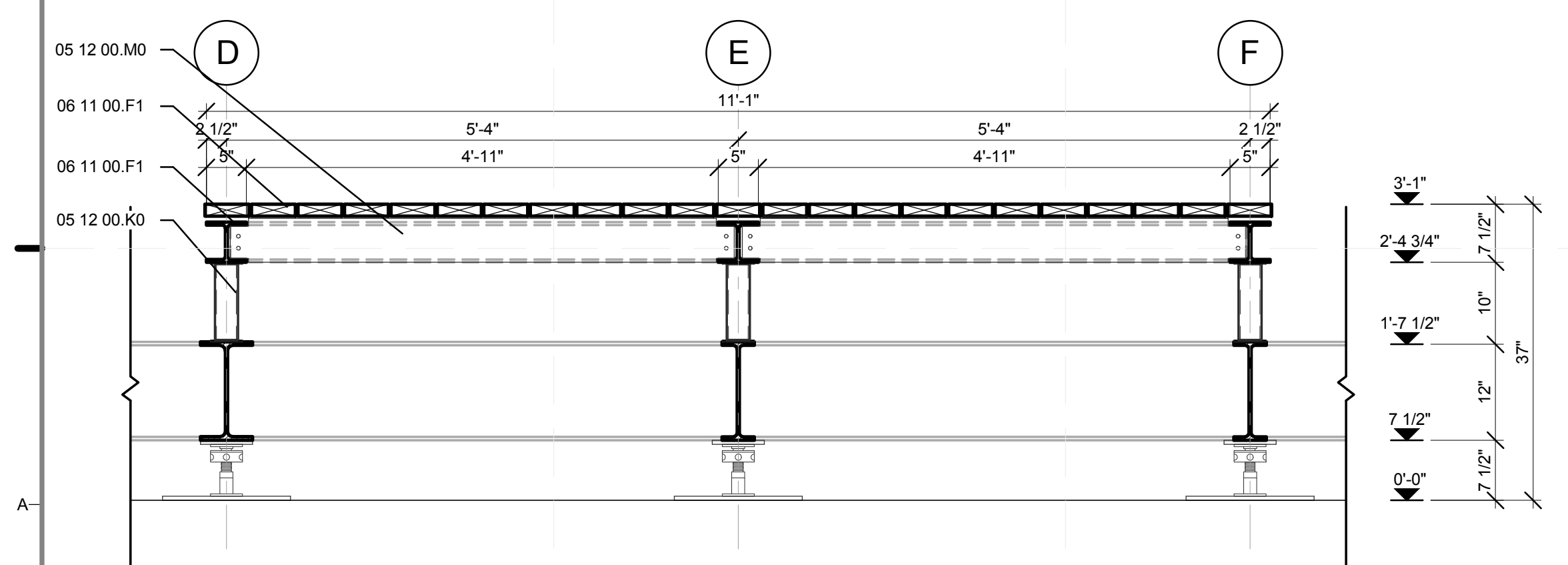
REVISIONS: DATE / NAME



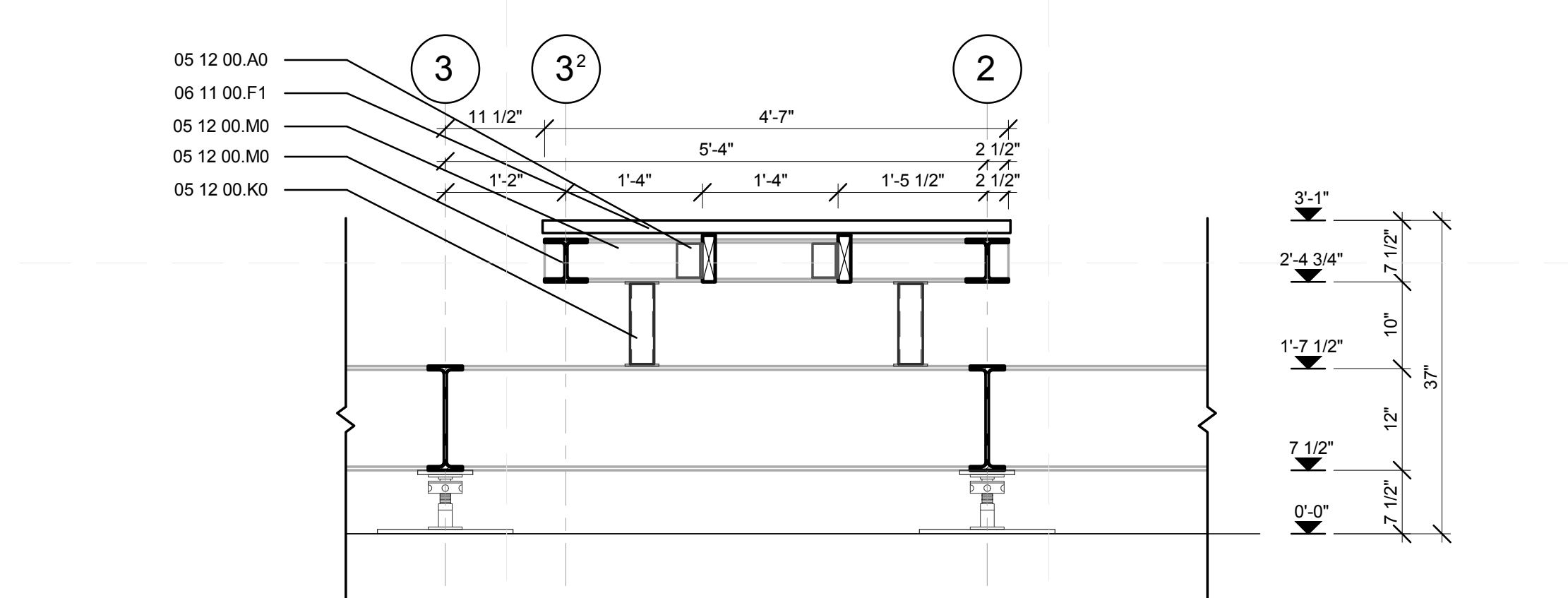
C1 NORTH PORCH STRUCTURE PLAN
 3/4" = 1'-0"



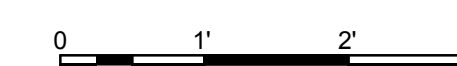
C4 NORTH PORCH SURFACE PLAN
 3/4" = 1'-0"



A1 NORTH PORCH WEST-EAST SECTION
 3/4" = 1'-0"



A4 NORTH PORCH SOUTH-NORTH SECTION
 3/4" = 1'-0"



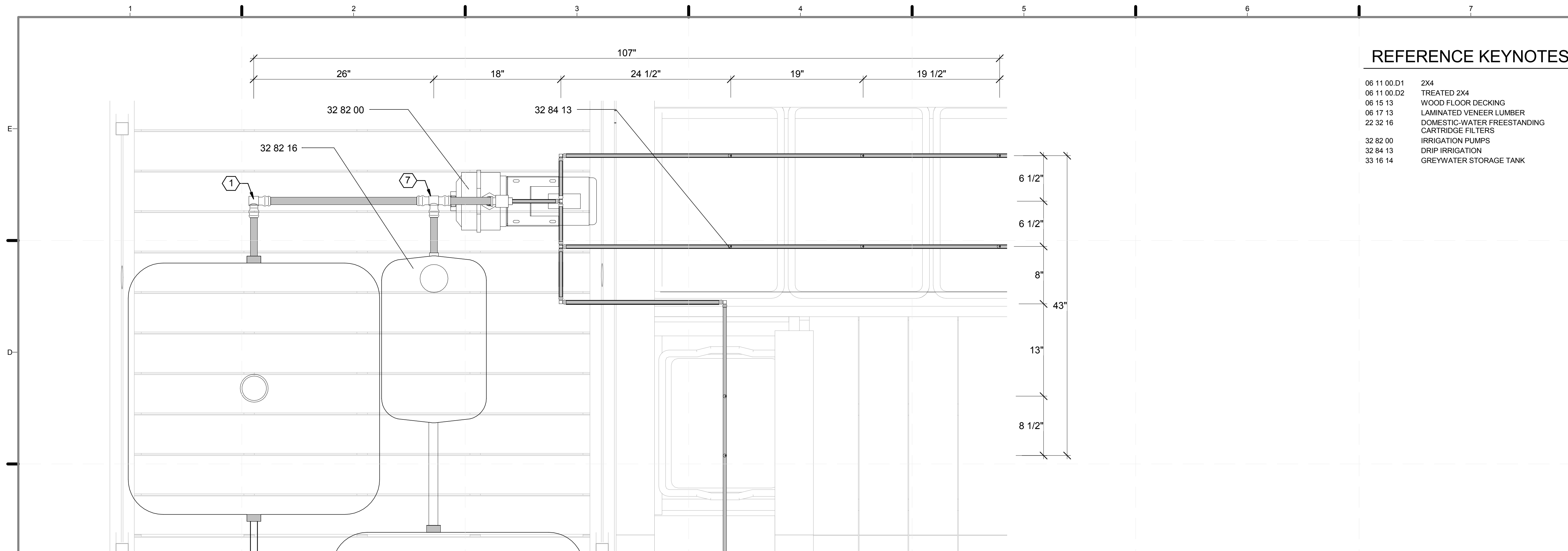
LOT NUMBER: 403
 DRAWN BY: YELISA GRULLON
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:47:13 PM

2011
SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

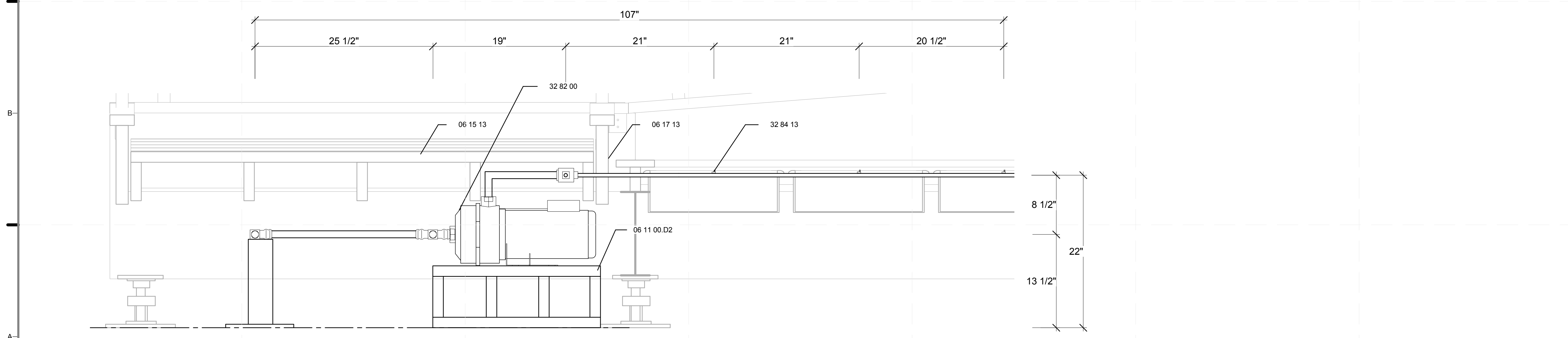
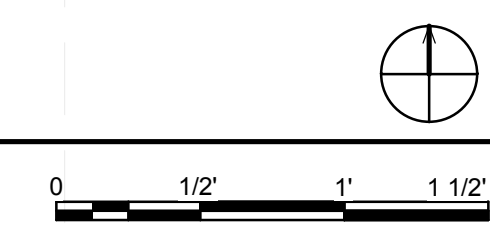
SHEET TITLE:
**DETAIL- NORTH
 PORCH**

SCALE: 3/4"=1'-0"
 PLAN #:

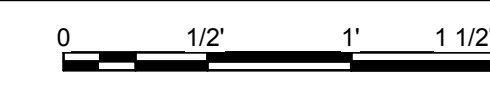
L-407.01



C1 IRRIGATION PLAN DETAIL
1 1/2" = 1'-0"

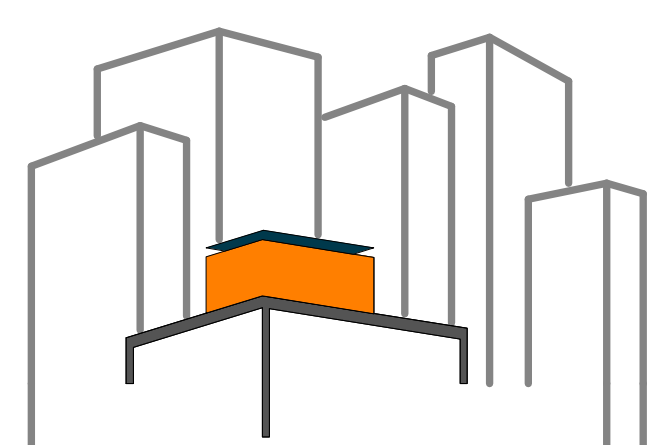


A1 IRRIGATION DETAIL SECTION
1 1/2" = 1'-0"



REFERENCE KEYNOTES

- 06 11 00.D1 2X4
- 06 11 00.D2 TREATED 2X4
- 06 15 13 WOOD FLOOR DECKING
- 06 17 13 LAMINATED VENEER LUMBER
- 22 32 16 DOMESTIC-WATER FREESTANDING CARTRIDGE FILTERS
- 32 82 00 IRRIGATION PUMPS
- 32 84 13 DRIP IRRIGATION
- 33 16 14 GREYWATER STORAGE TANK



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD1@gmail.com



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

REVISIONS: DATE / NAME

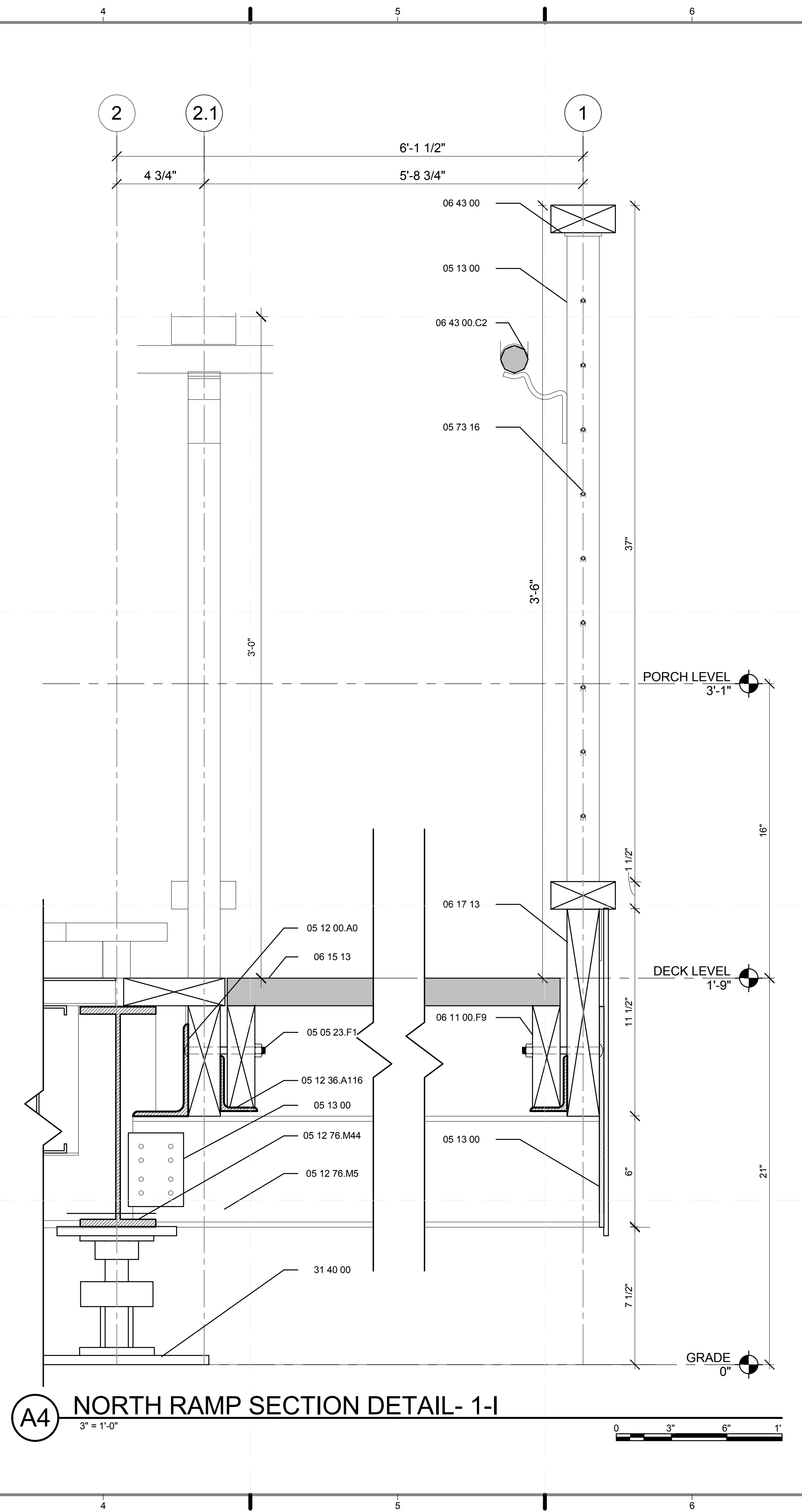
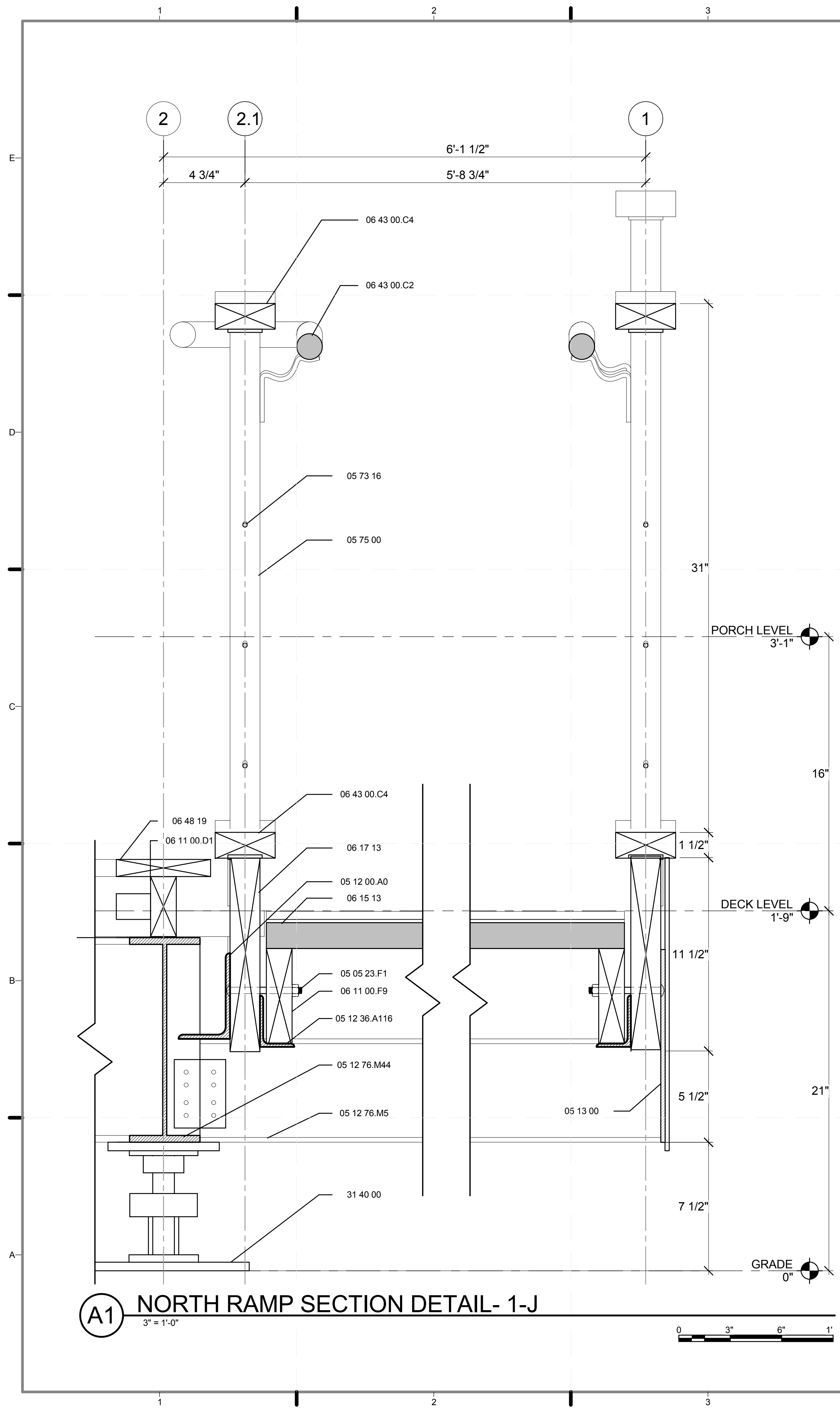
LOT NUMBER: 403
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:47:16 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
IRRIGATION DETAIL

SCALE: **1 1/2" = 1'-0"**
PLAN #:

L-501.01

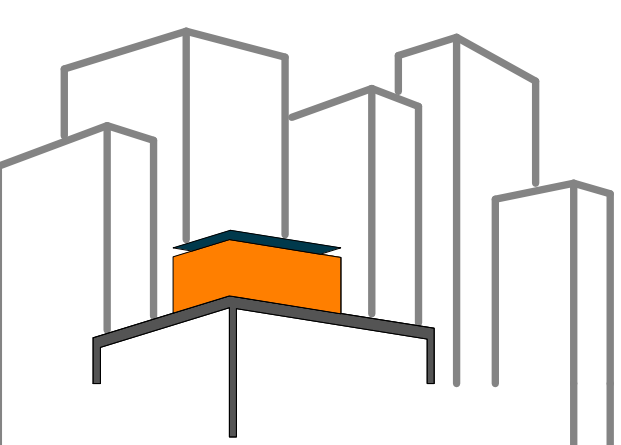


GENERAL SHEET NOTES

1. FOR HANDRAIL AND POST DETAIL REFER TO Z-113.01

REFERENCE KEYNOTES

05 05 23.F1	3/8" CARRIAGE BOLT
05 12 00.A0	L 5X3X0.25"
05 12 36.A116	L3X2X0.25
05 12 76.M5	W6X12
05 12 76.M44	W12X22
05 13 00	STRUCTURAL STAINLESS-STEEL FRAMING
05 73 16	WIRE ROPE DECORATIVE METAL RAILINGS
05 75 00	DECORATIVE FORMED METAL
06 11 00.D1	2X4
06 11 00.F9	2X6 JOISTS
06 15 13	WOOD FLOOR DECKING
06 17 13	LAMINATED VENEER LUMBER
06 43 00	WOOD STAIRS AND RAILINGS
06 43 00.C2	1 1/2" ROUND RAIL
06 43 00.C4	1 3/4" X 3 3/8" RAIL CAP
06 48 19	ORNAMENTAL WOOD FRAMES
31 40 00	SHORING AND UNDERPINNING



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

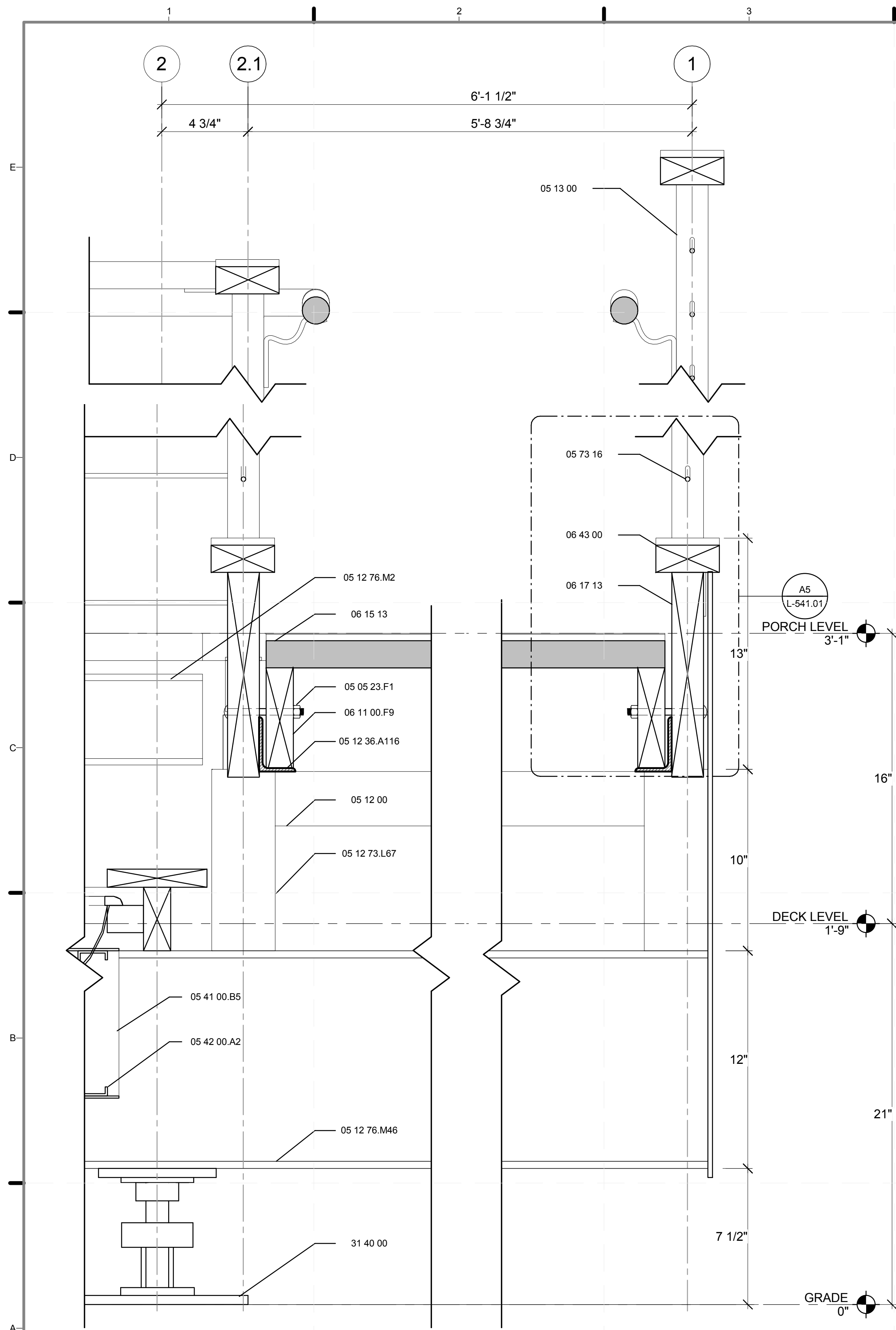
LOT NUMBER: 403
 DRAWN BY: MARY DOUMAS
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:47:20 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

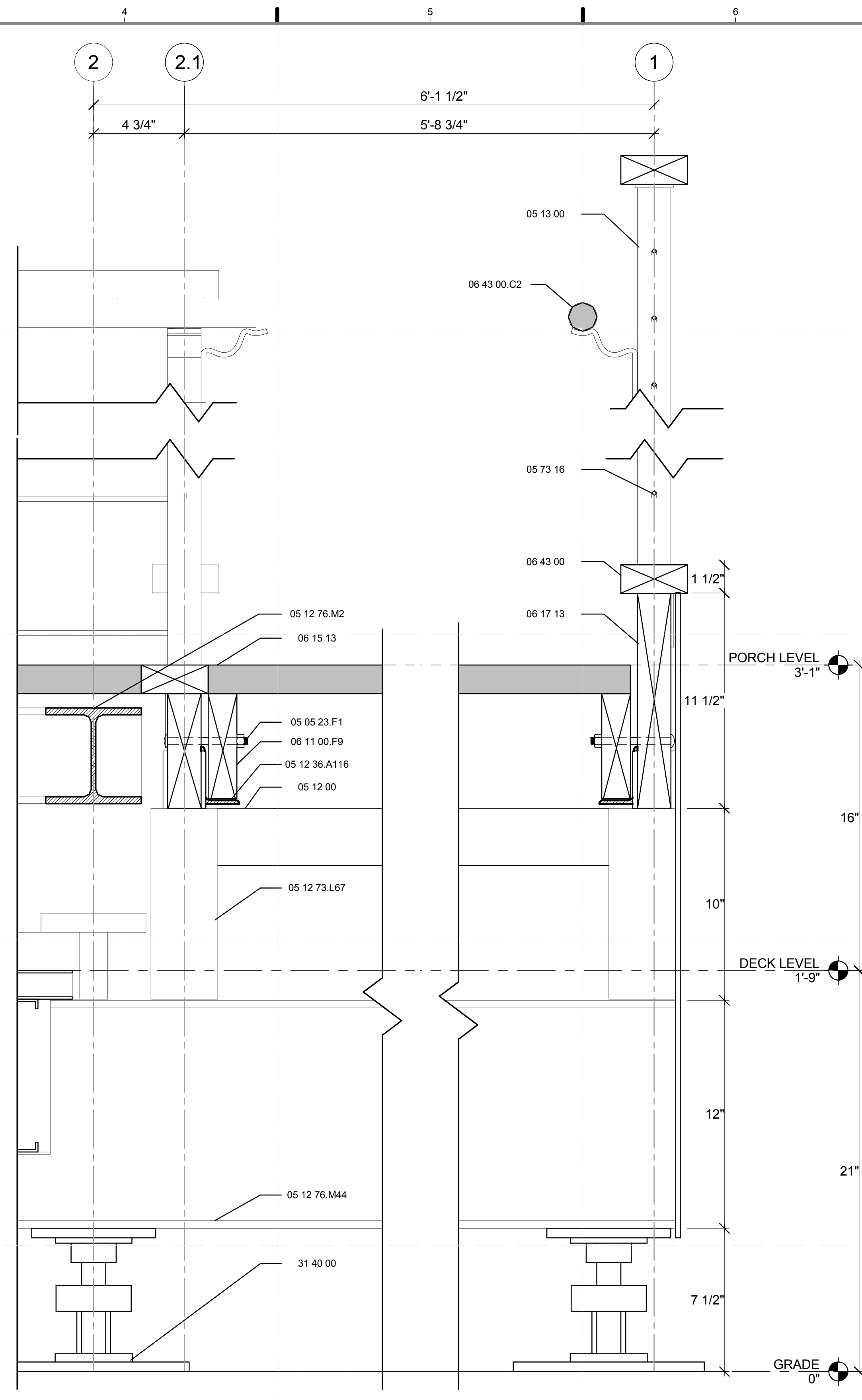
SHEET TITLE:
 DETAIL- RAMP 1

SCALE: 3"=1'
 PLAN #:

L-511.01



A1 NORTH RAMP SECTION DETAIL- 1-F
3" = 1'-0"



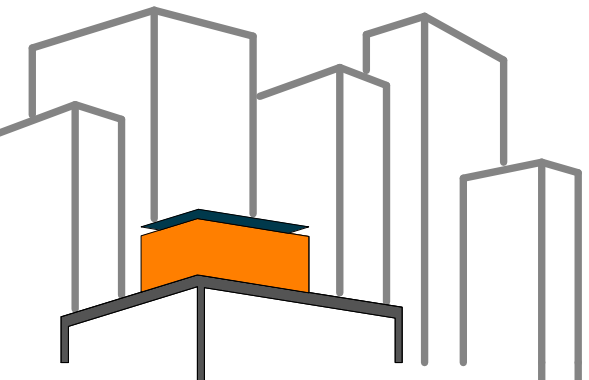
A4 NORTH RAMP SECTION DETAIL- 1-D
3" = 1'-0"

GENERAL SHEET NOTES

1. FOR HANDRAIL AND POST DETAIL REFER TO Z-113.01 AND Z-114.01

REFERENCE KEYNOTES

05 05 23.F1	3/8" CARRIAGE BOLT
05 12 00	STRUCTURAL STEEL FRAMING
05 12 36.A104	L3X3X0.25
05 12 36.A116	L3X2X0.25
05 12 73.L67	TS2.5X2.5X0.25
05 12 76.M2	W5X16
05 12 76.M44	W12X22
05 12 76.M46	W12X30
05 13 00	STRUCTURAL STAINLESS-STEEL FRAMING
05 41 00.B5	6" CHANNEL STUD
05 42 00.A2	6" "C" JOIST
05 73 16	WIRE ROPE DECORATIVE METAL RAILINGS
06 11 00.F9	2X6 JOISTS
06 15 13	WOOD FLOOR DECKING
06 17 13	LAMINATED VENEER LUMBER
06 43 00	WOOD STAIRS AND RAILINGS
06 43 00.C2	1 1/2" ROUND RAIL
31 40 00	SHORING AND UNDERPINNING



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
cnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: MARY DOUMAS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:47:25 PM

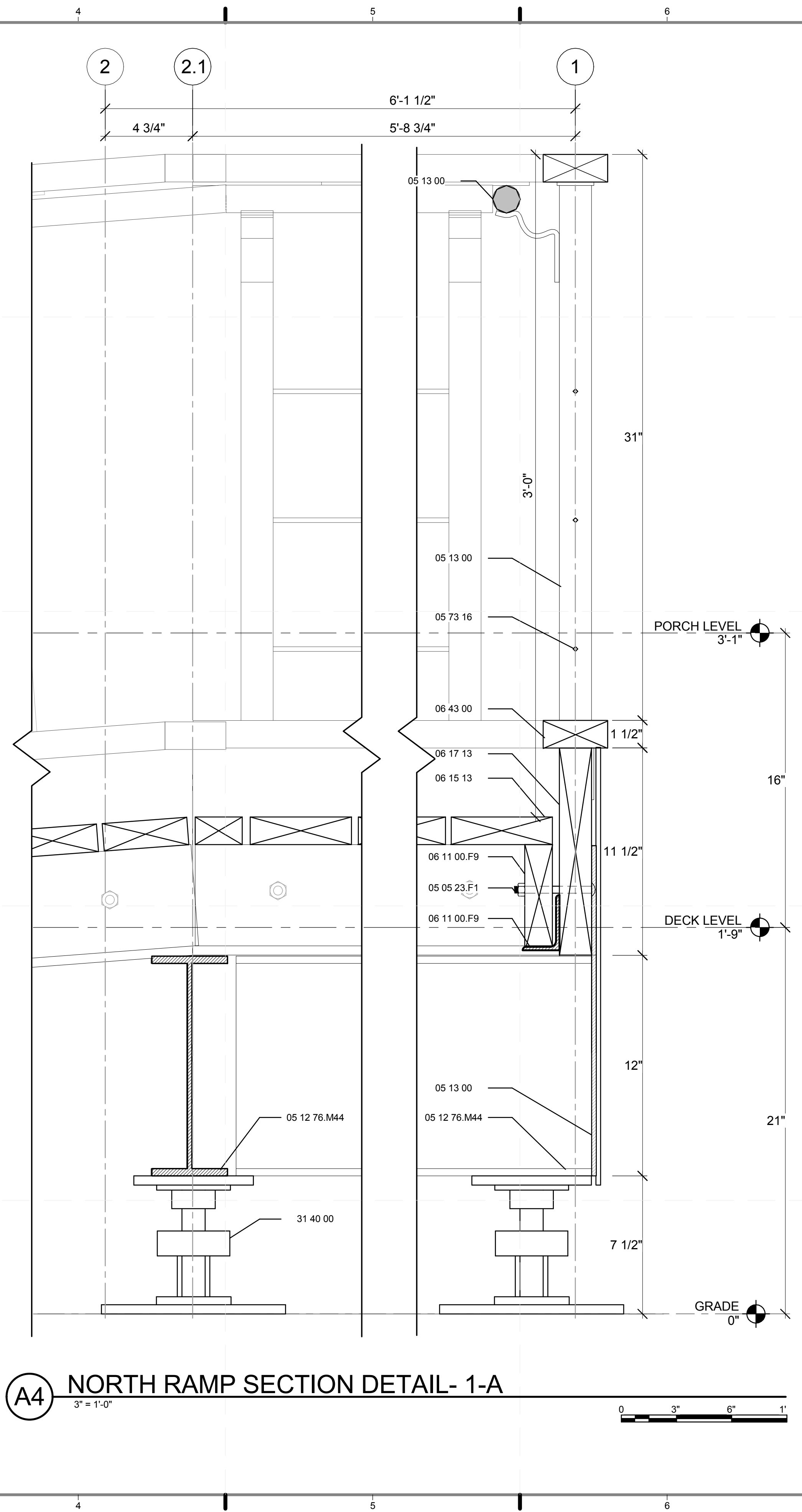
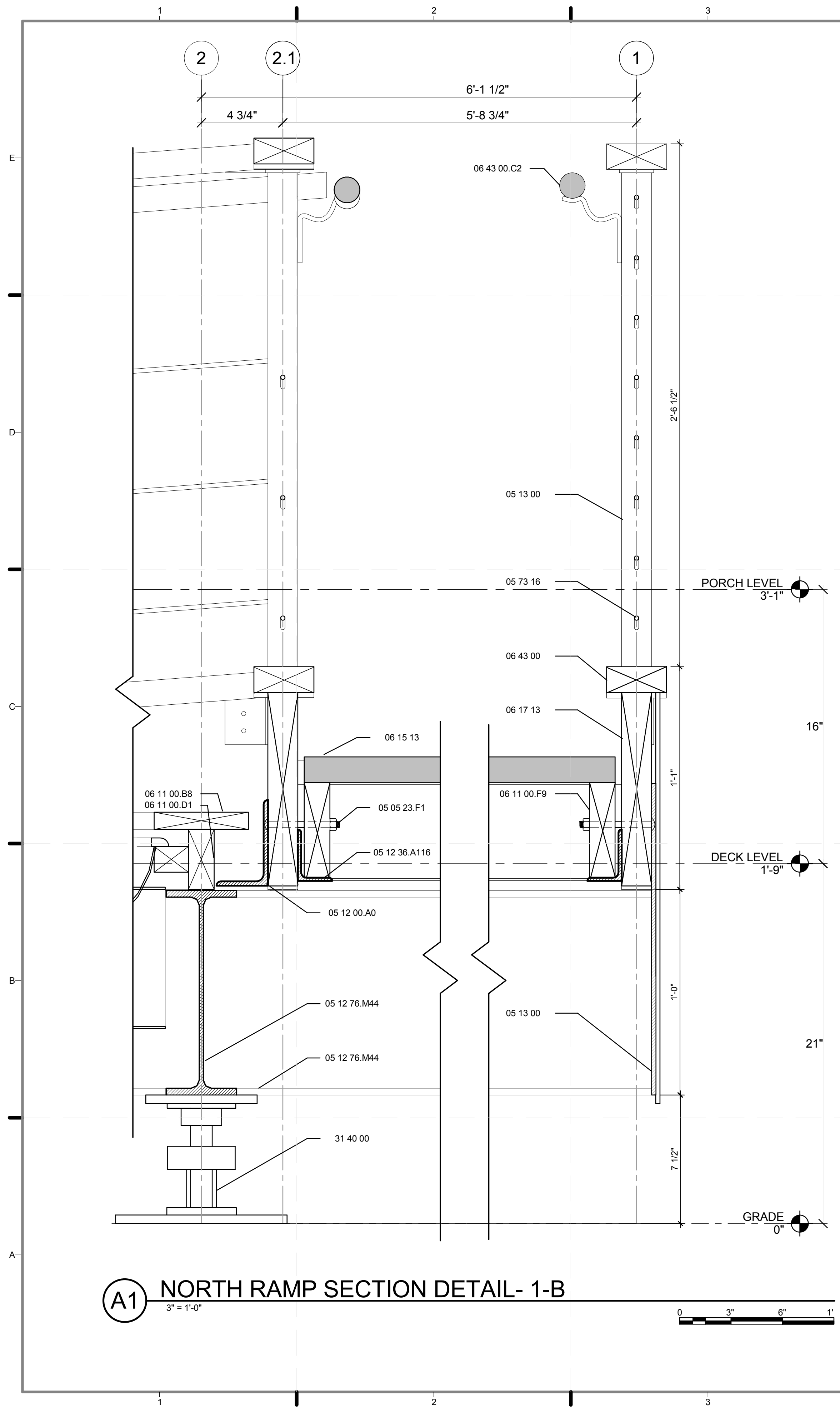
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL - RAMP 2

SCALE: 3" = 1'-0"

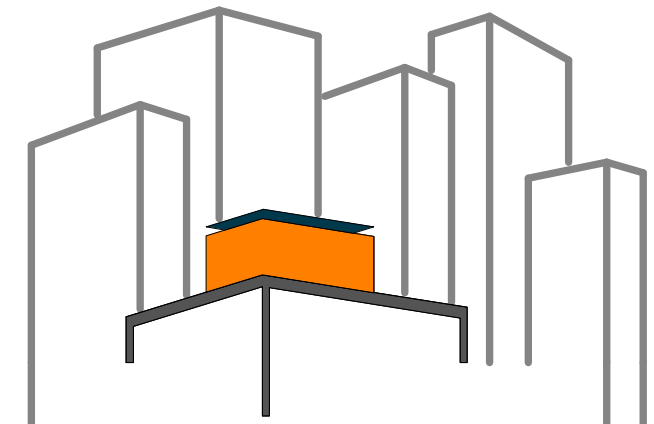
PLAN #:

L-512.01



REFERENCE KEYNOTES

- 05 05 23.F1 3/8" CARRIAGE BOLT
- 05 12 00.A0 L 5X3X0.25"
- 05 12 36.A116 L3X2X0.25
- 05 12 76.M44 W12X22
- 05 13 00 STRUCTURAL STAINLESS-STEEL FRAMING
- 05 73 16 WIRE ROPE DECORATIVE METAL RAILINGS
- 06 11 00.B8 1X6
- 06 11 00.D1 2X4
- 06 11 00.F9 2X6 JOISTS
- 06 15 13 WOOD FLOOR DECKING
- 06 17 13 LAMINATED VENEER LUMBER
- 06 43 00 WOOD STAIRS AND RAILINGS
- 06 43 00.C2 1 1/2" ROUND RAIL
- 31 40 00 SHORING AND UNDERPINNING



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:47:28 PM**

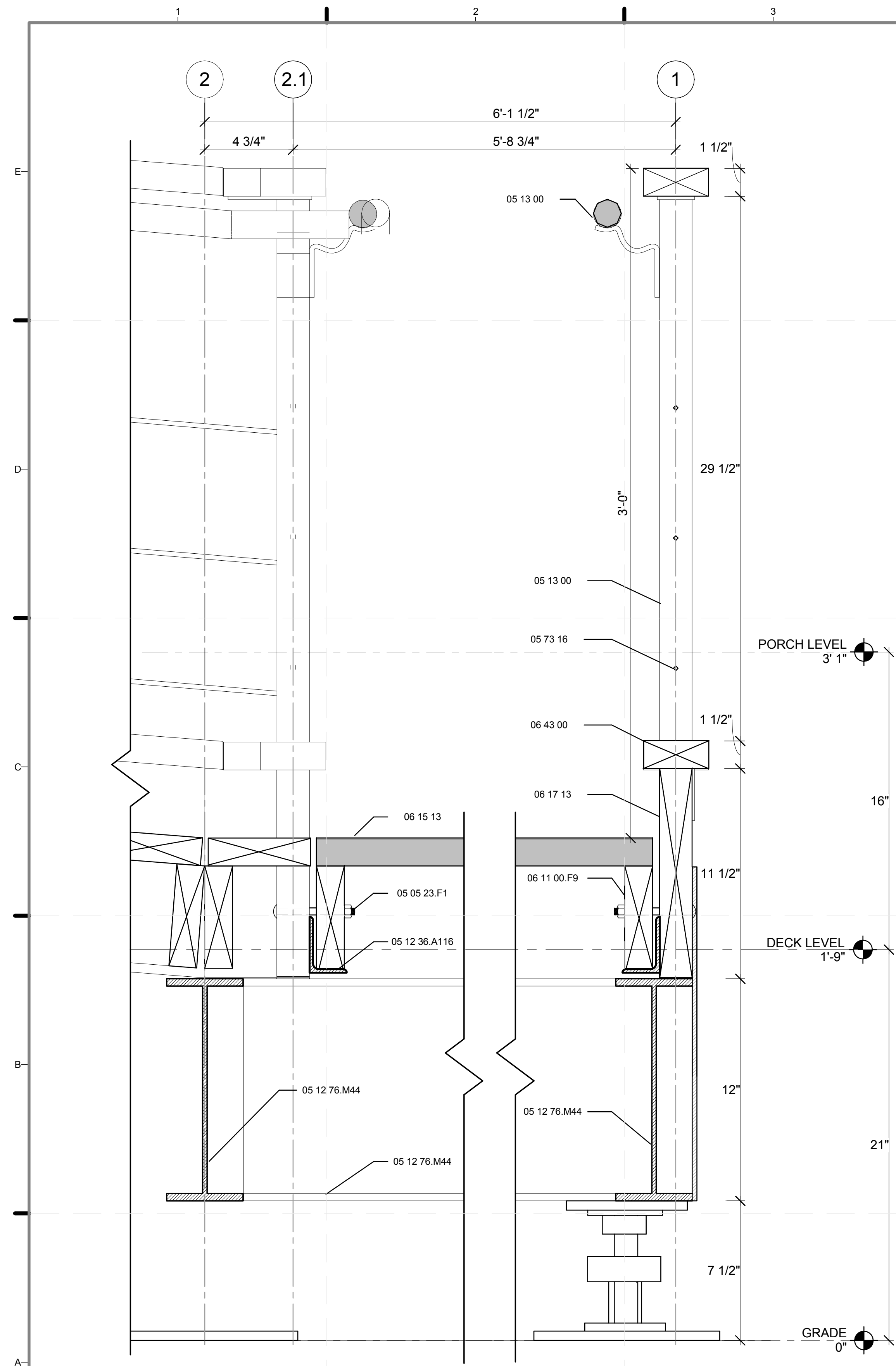
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL - RAMP 3

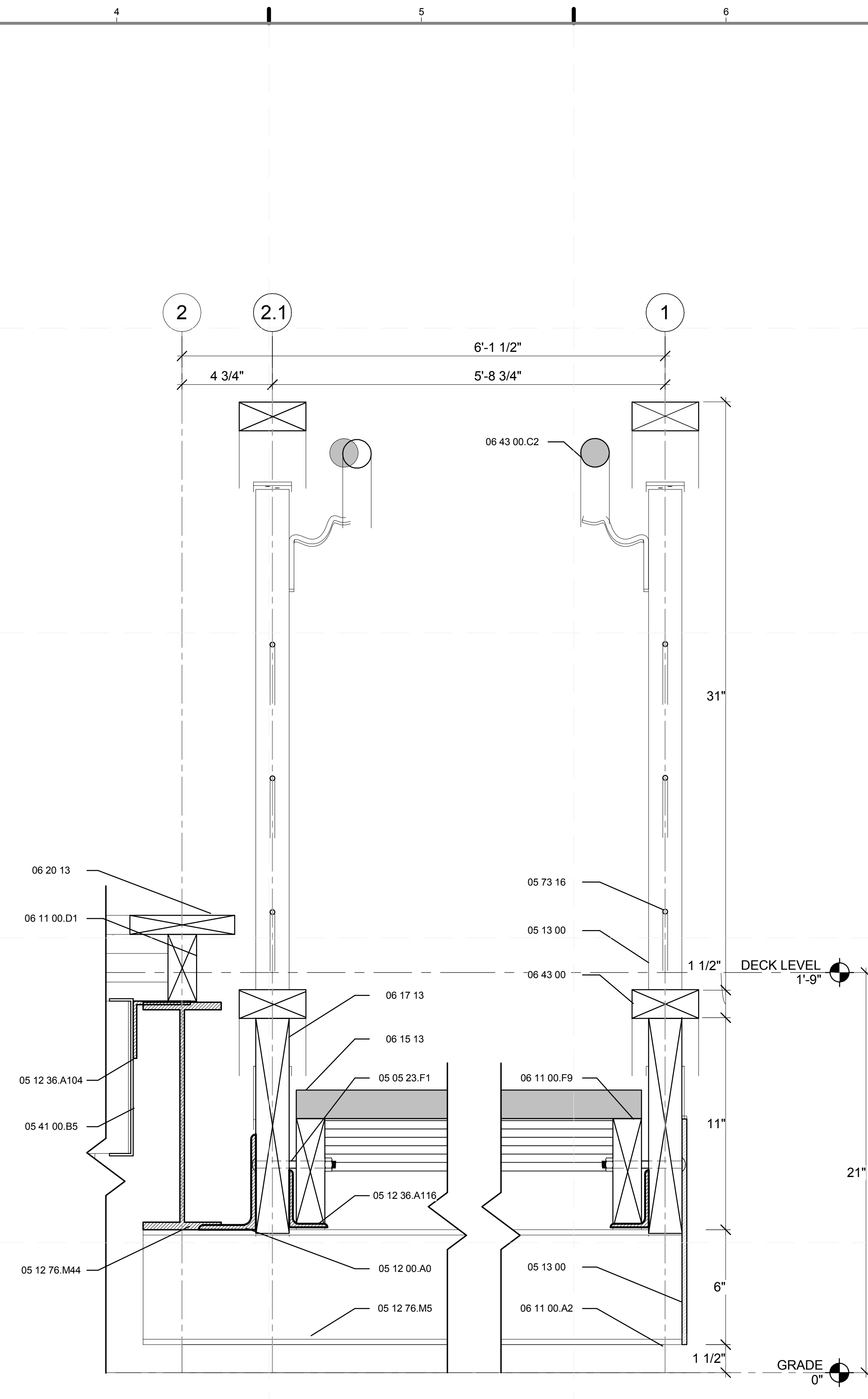
SCALE: **3" = 1'-0"**

PLAN #:

L-513.01



A1 WEST RAMP SECTION DETAIL- A-2
3" = 1'-0"



A4 WEST RAMP SECTION DETAIL- A-4
3" = 1'-0"

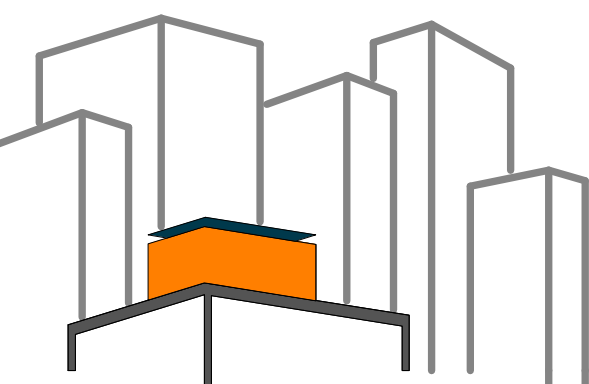


GENERAL SHEET NOTES

1. FOR HANDRAIL AND POST DETAIL REFER TO Z-113.01 AND Z-114.01

REFERENCE KEYNOTES

05 05 23.F1	3/8" CARRIAGE BOLT
05 12 00.A0	L 5X3X0.25"
05 12 36.A104	L3X3X0.25
05 12 36.A116	L3X2X0.25
05 12 76.M5	W6X12
05 12 76.M44	W12X22
05 13 00	STRUCTURAL STAINLESS-STEEL FRAMING
05 41 00.B5	6" CHANNEL STUD
05 73 16	WIRE ROPE DECORATIVE METAL RAILINGS
06 11 00.A2	WOOD BLOCKING AS REQUIRED
06 11 00.D1	2X4
06 11 00.F9	2X6 JOISTS
06 15 13	WOOD FLOOR DECKING
06 17 13	LAMINATED VENEER LUMBER
06 20 13	EXTERIOR FINISH CARPENTRY
06 43 00	WOOD STAIRS AND RAILINGS
06 43 00.C2	1 1/2" ROUND RAIL



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: MARY DOUMAS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:47:32 PM

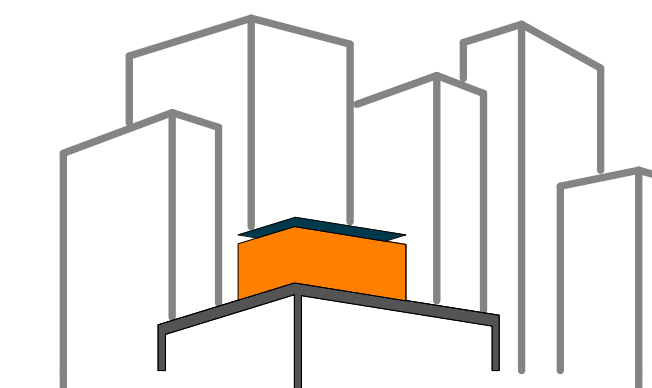
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL - RAMP 4

SCALE: 3" = 1'-0"

PLAN #:

L-514.01



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

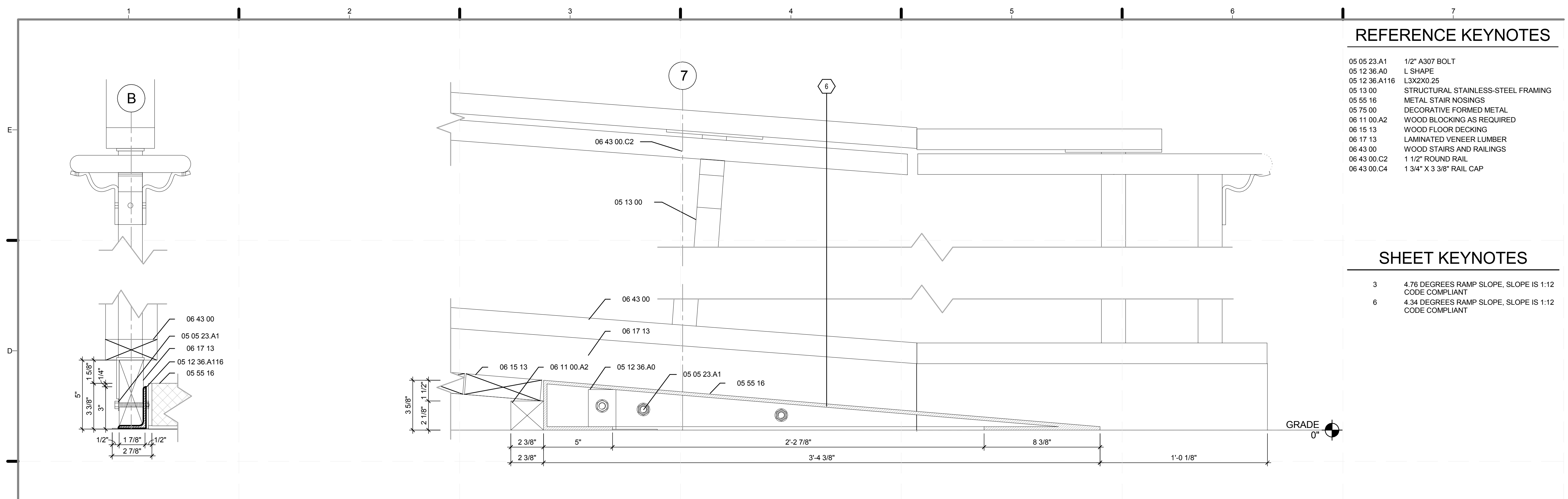
REVISIONS: DATE / NAME

REFERENCE KEYNOTES

- 05 05 23.A1 1/2" A307 BOLT
- 05 12 36.A0 L SHAPE
- 05 12 36.A116 L3X2X0.25
- 05 13 00 STRUCTURAL STAINLESS-STEEL FRAMING
- 05 55 16 METAL STAIR NOSINGS
- 05 75 00 DECORATIVE FORMED METAL
- 06 11 00.A2 WOOD BLOCKING AS REQUIRED
- 06 15 13 WOOD FLOOR DECKING
- 06 17 13 LAMINATED VENEER LUMBER
- 06 43 00 WOOD STAIRS AND RAILINGS
- 06 43 00.C2 1 1/2" ROUND RAIL
- 06 43 00.C4 1 3/4" X 3 3/8" RAIL CAP

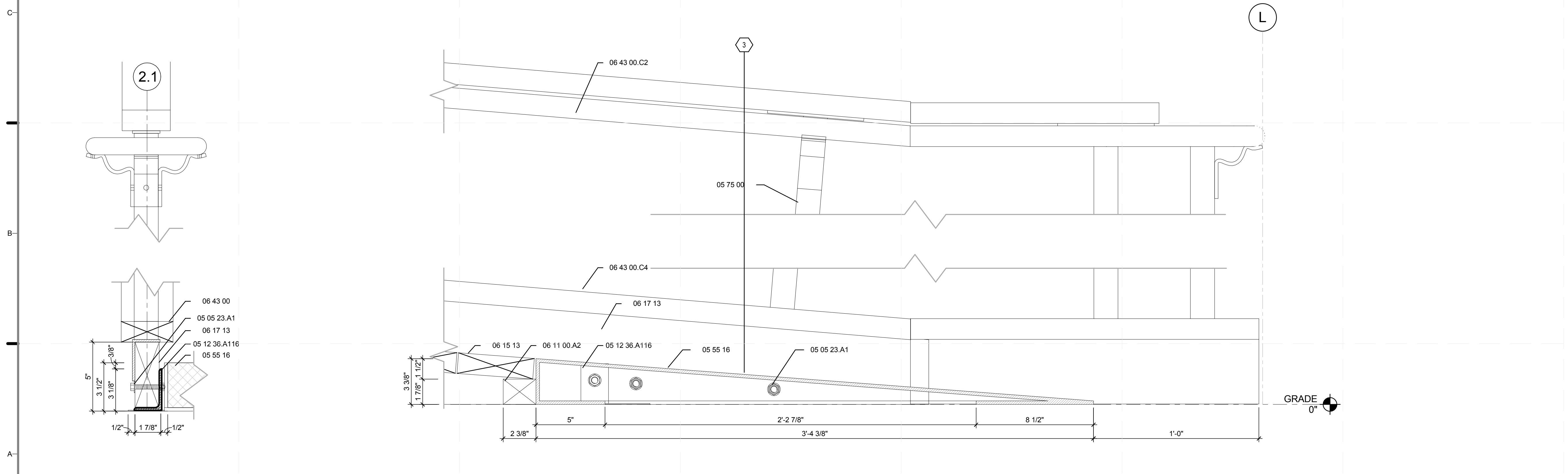
SHEET KEYNOTES

- 3 4.76 DEGREES RAMP SLOPE, SLOPE IS 1:12 CODE COMPLIANT
- 6 4.34 DEGREES RAMP SLOPE, SLOPE IS 1:12 CODE COMPLIANT



D1 WEST RAMP NOSING E-W DETAIL
3" = 1'-0"

D2 WEST RAMP NOSING N-S DETAIL
3" = 1'-0"



A1 NORTH RAMP NOSING N-S DETAIL
3" = 1'-0"

A3 NORTH RAMP NOSING E-W DETAIL
3" = 1'-0"

LOT NUMBER: 403
DRAWN BY: MARY DOUMAS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:47:36 PM

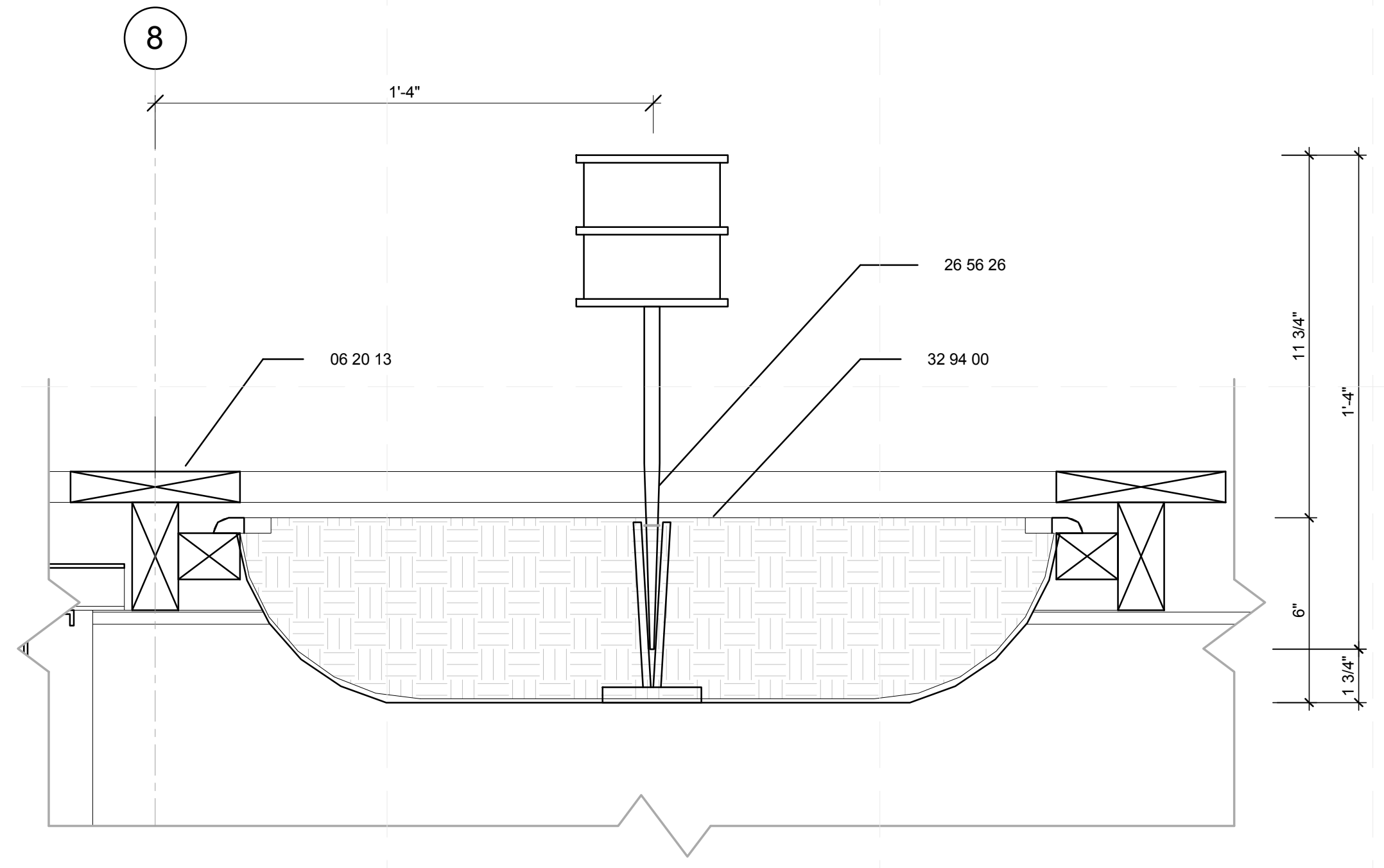
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL - RAMP NOSING

SCALE: 3" = 1'-0"

PLAN #:

L-515.01



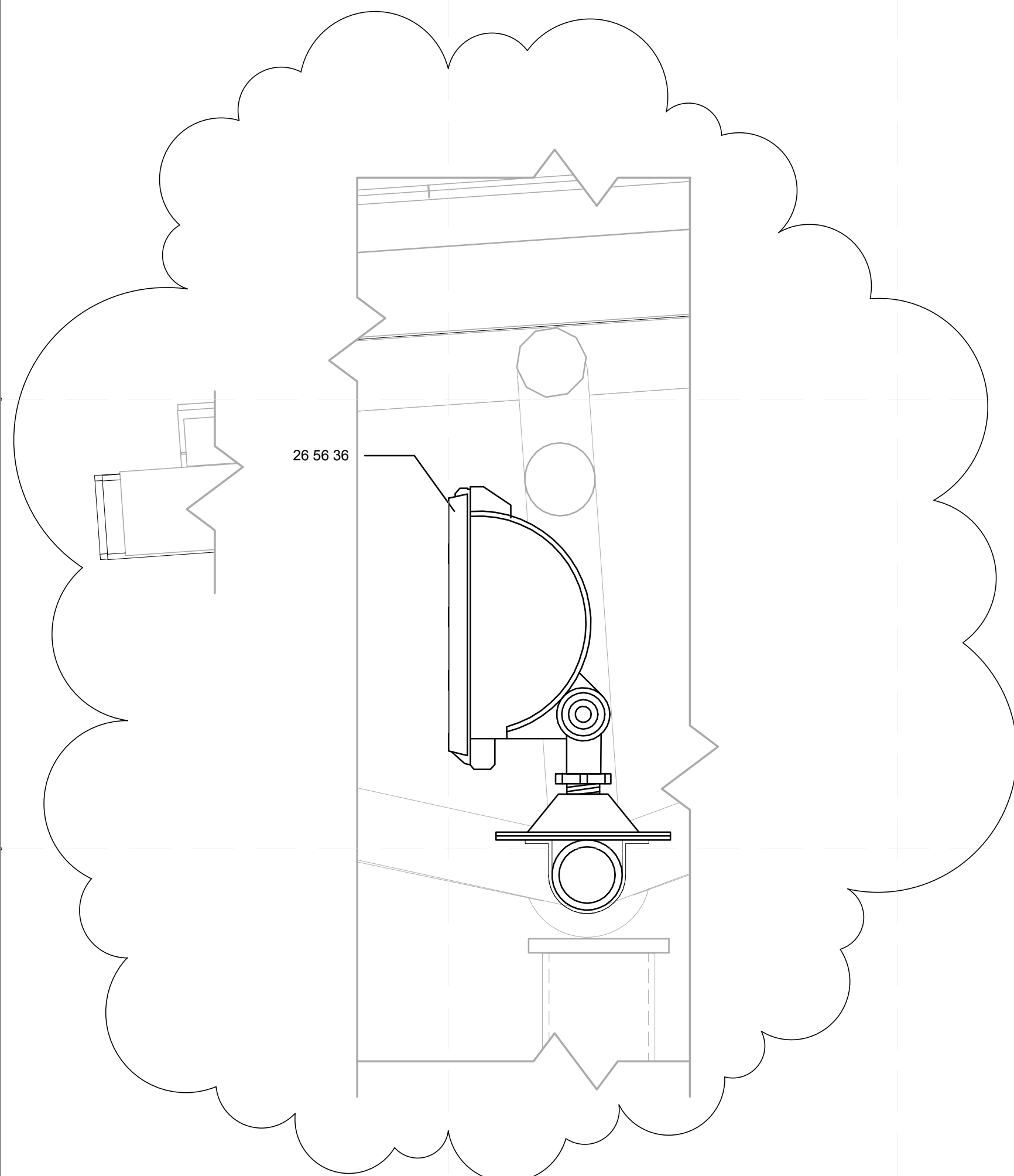
GENERAL SHEET NOTES

1. DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR DETAILS WHETHER OR NOT SHOWN.

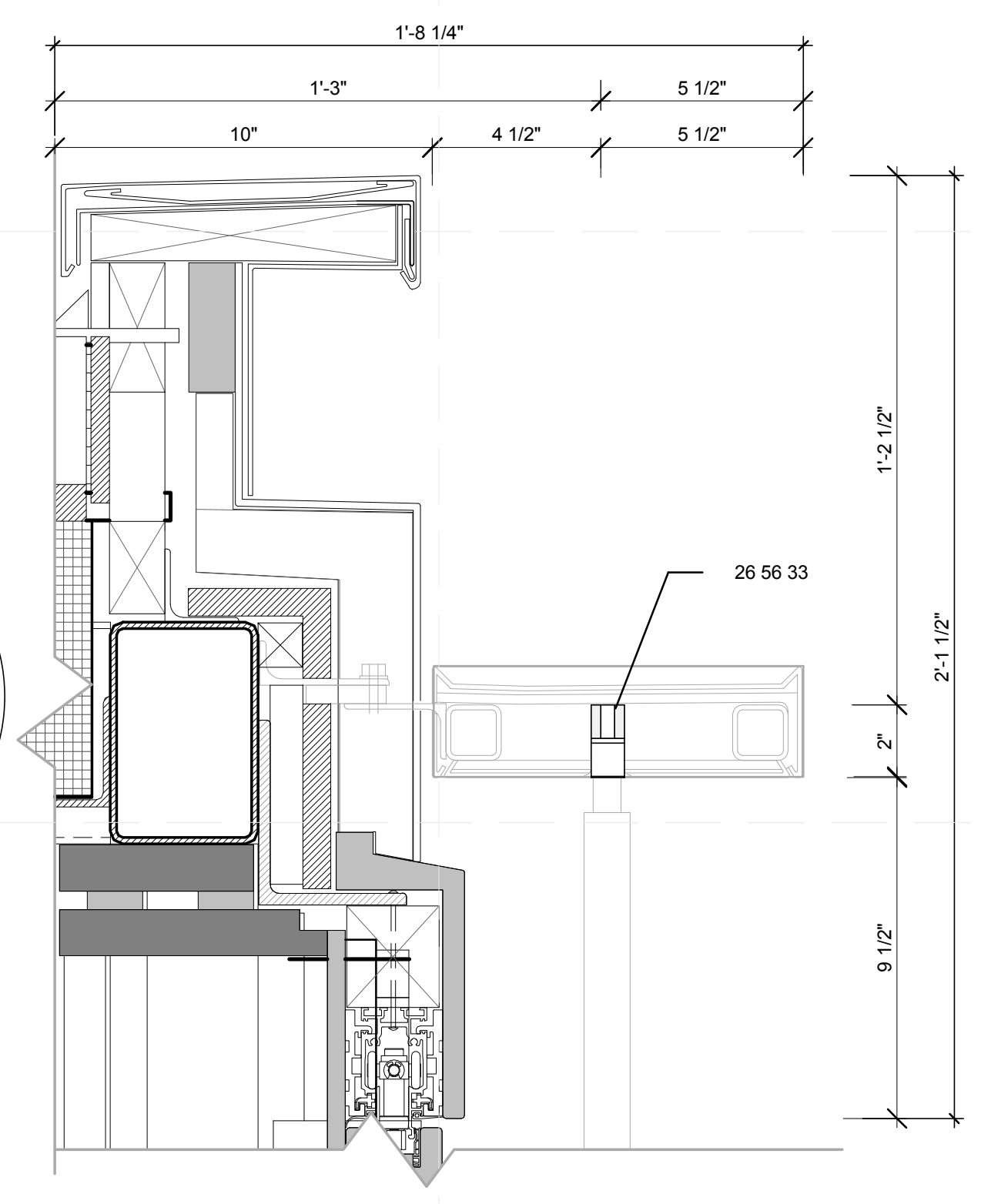
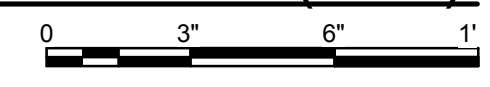
REFERENCE KEYNOTES

05 12 76.M0	W SHAPE
06 11 00.F9	2X6 JOISTS
06 15 13	WOOD FLOOR DECKING
06 17 13	LAMINATED VENEER LUMBER
06 20 13	EXTERIOR FINISH CARPENTRY
06 43 00	WOOD STAIRS AND RAILINGS
26 56 26	SOLAR LED LANDSCAPE LIGHTS
26 56 33	OUTDOOR RECESSED LED LIGHTS
26 56 36	TRELLIS FLOOD LED LIGHTS
32 94 00	PLANTING ACCESSORIES

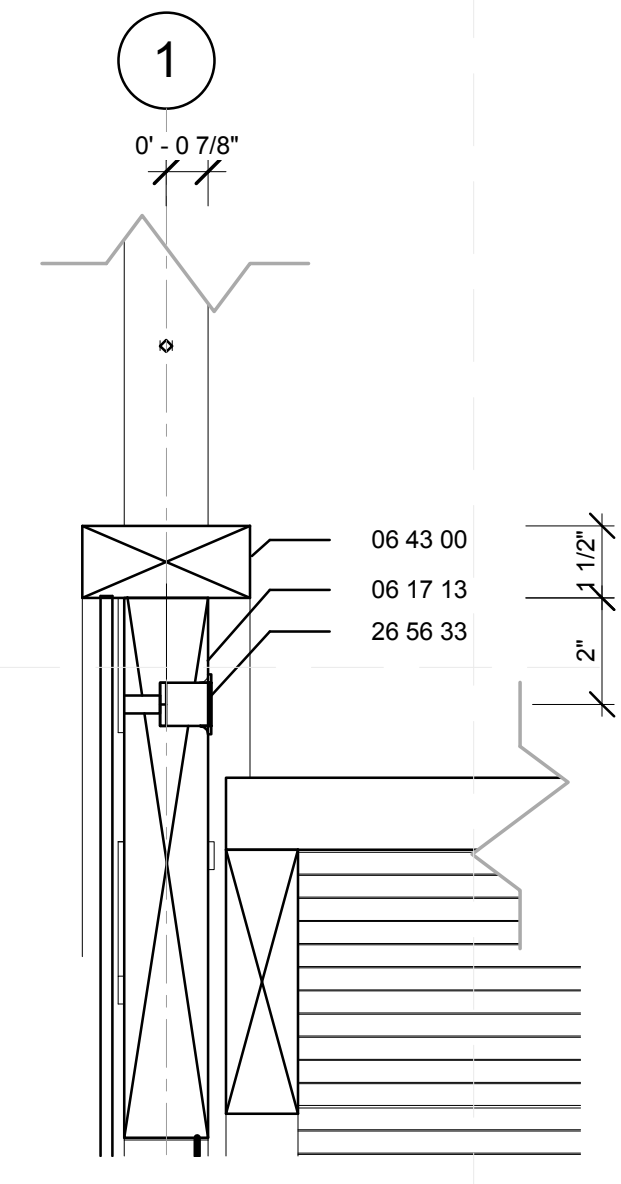
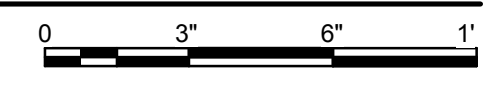
(D3) PLANTER BOX LIGHT DETAIL (TYP)
3" = 1'-0"



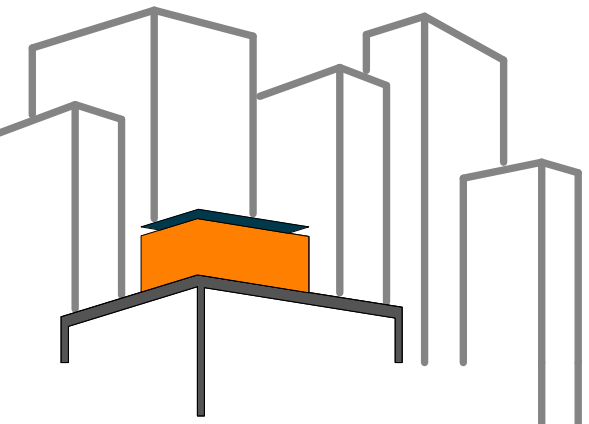
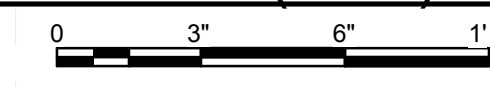
(A1) ROOF LIGHTING DETAIL (TYP)
3" = 1'-0"



(A3) FLOOD LIGHT DETAIL
3" = 1'-0"



(A5) RAILING LIGHT DETAIL (TYP)
3" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

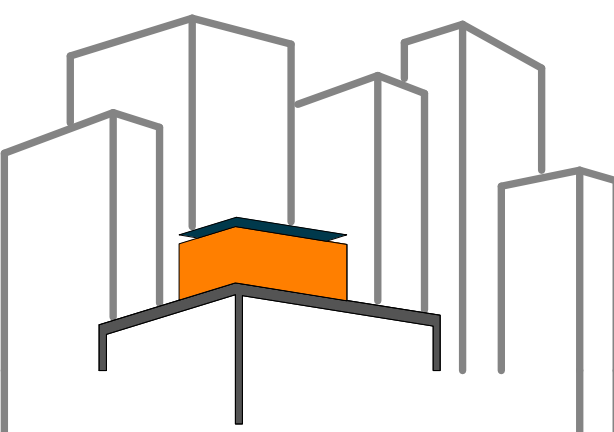
LOT NUMBER: 403
DRAWN BY: MARY DOUMAS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:47:41 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
EXTERIOR LIGHTING DETAILS

SCALE: 3" = 1'-0"
PLAN #:

L-541.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ASHER SALZBERG

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:47:43 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
PLANTING
SCHEDULE

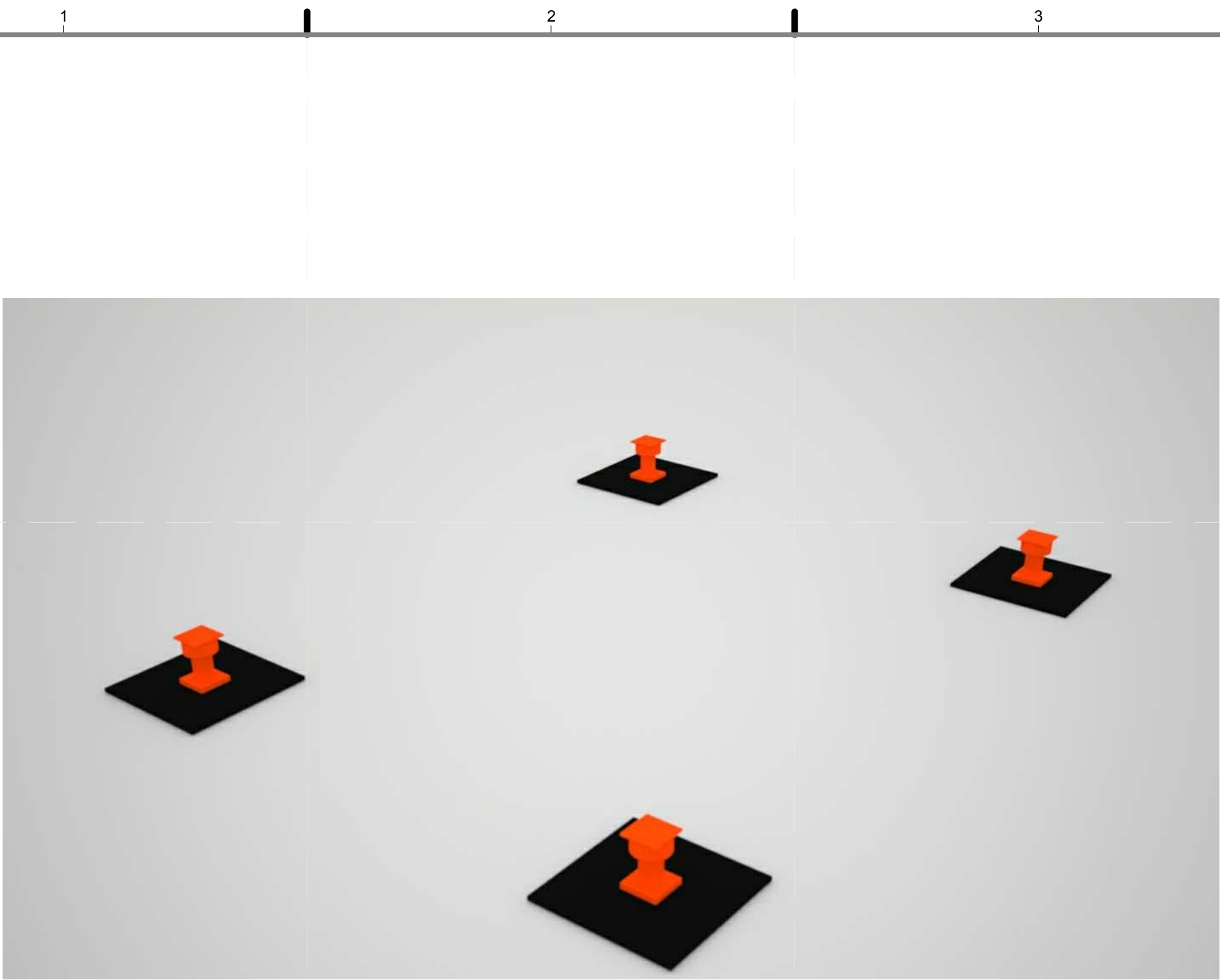
SCALE: NTS

PLAN #:

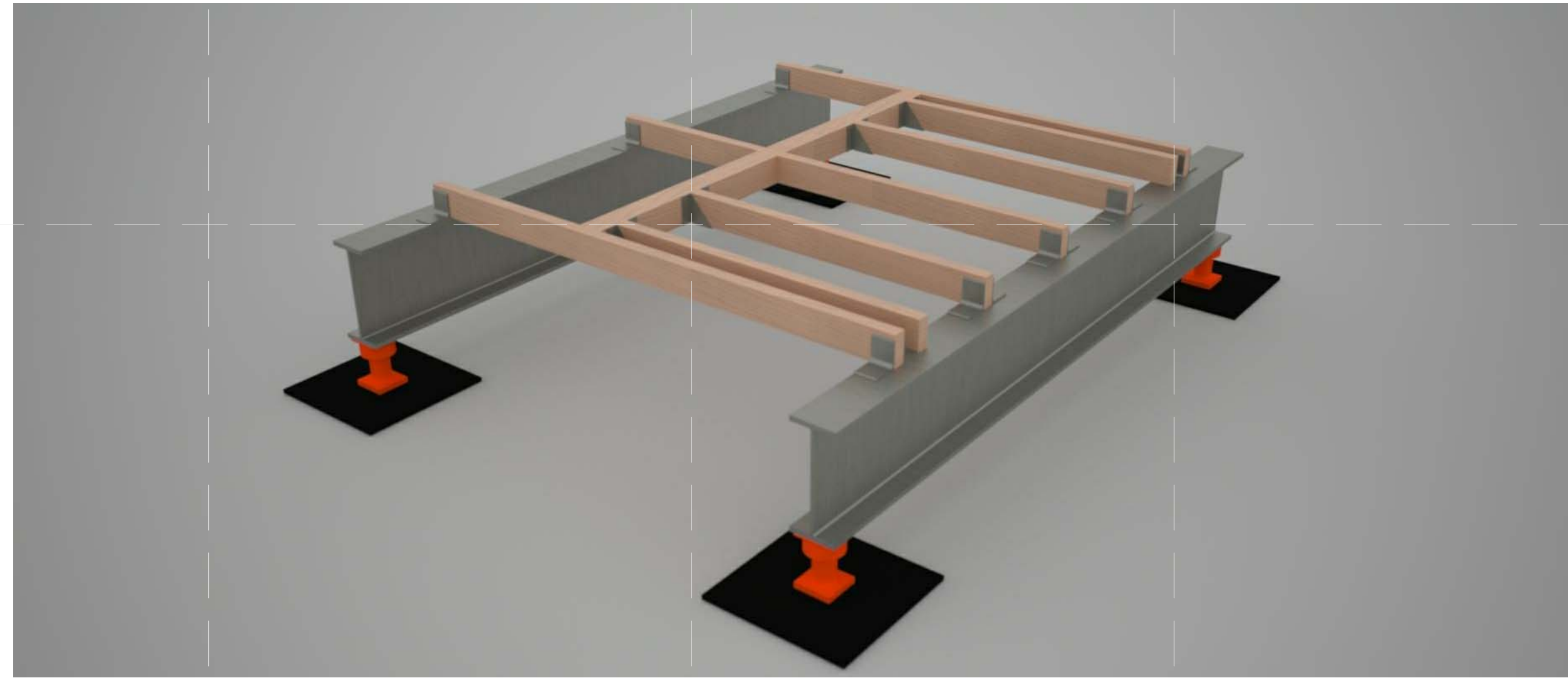
L-601.01

PLANTING SCHEDULE

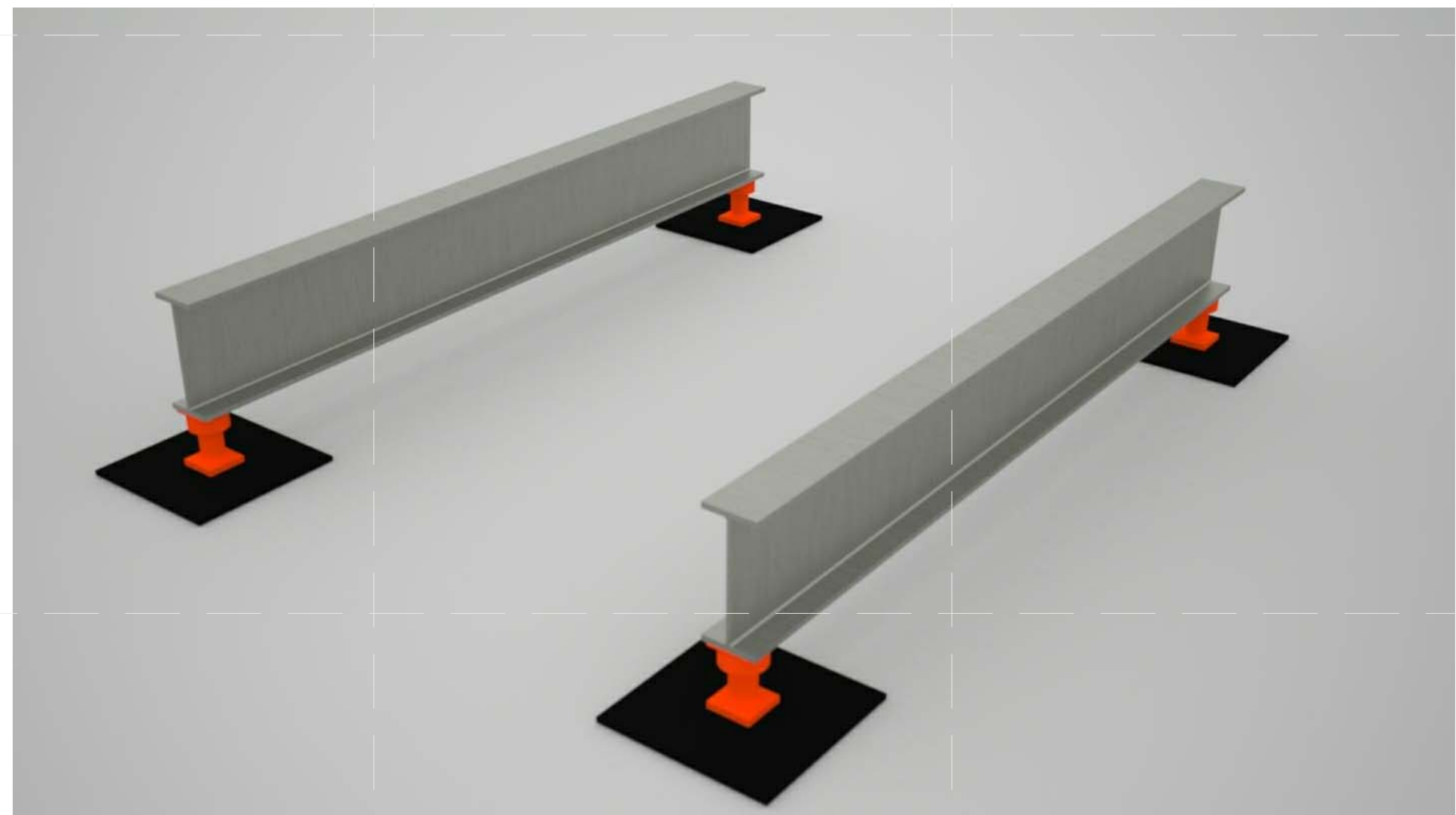
		TYPE	COMMON NAME	SCIENTIFIC NAME	ROOT DEPTH	HEIGHT	PLANTER	PLANT QUANTIT	NOTES
01	10	VEGETABLE	WALTHAM BUTTERNUT SQUASH	Cucurbita pepo	12"	18-24"	4xA	4	
02		VEGETABLE	GARDEN LETTUCE	Lactuca sativa	6"	6-12"	8xA	8	
03		VEGETABLE	GARDEN CUCUMBER	Cucumis Sativus	12"	6'	4xA	4	
04		VEGETABLE	BEEFSTEAK TOMATO	Lycopersicon Lycopersicum	8"	3-4'	4xA	4	
05		VEGETABLE	BLACK BEAUTY EGGPLANT	Solanum Melongena	12"	24-30"	4xA	4	
06		VEGETABLE	SWEET CANARY BELL PEPPERS	Capiscum Annuum	8"	2-3'	4xA	4	
07	11	HERB	SPEARMINT, ENGLISH MINT	Mentha spicata	5"	12-18"	8xA	8	Invasive
08		HERB	CHIVES CHINESE GARLIC	Allium Tuberosum	12"	1-3'	1xB	4	Attracts Bees
09		HERB	BASIL	Ocimum Basilicum	12"	18-24"	1xB	4	
10		HERB	ROSEMARY	Rosmarinus Officinalis	14"	1-5'	1xB	4	
11		HERB	OREGANO	Origanum Vulgare	14"	24-30"	1xB	4	
12		HERB	THYME	Thymus Vulgaris	14"	<12"	1xB	4	Attracts Bees
13		HERB	SAGE	Salvia Officinalis	14"	30"	1xB	4	
14		HERB	WOOLY HEDGENETTLE	Stachys Byzantina	6"	<12"	2xC	12	"Furry" Leaves
15	HERB	SILVER BROCADE	Artemisia Stellariana	6"	<12"		12	Mixes with Sedum	
16	12	SEDUM	JOHN CREECH	Sedum Spurium	4"	<6"		80	
17		SEDUM	WHITE STONECROP	Sedum Album	4"	<6"	16xC	80	
18		SEDUM	STONECROP	Sedum Immergrunchen	4"	<6"		80	
19		SEDUM	T-REX SEDUM	Sedum Spectabilis	4"	<6"		80	Taller Variety
20	13	ORNAMENTAL/HABITAT	SWITCHGRASS	Panicum Virgatum	12"	5'	9xB	18	
21		ORNAMENTAL/HABITAT	WINTERBERRY	Ilex Verticillata	15"	6'	4xB	8	Roots Freeze When <50 F Requires Male For Berries
22		ORNAMENTAL/HABITAT	BEAUTY BERRY	Callicarpa Dichotoma Issai/Duet	14"	6'	4xB	8	
23		ORNAMENTAL/HABITAT	BAYBERRY	Myrica Pensylvanica	14"	6'	8xB	16	
24		ORNAMENTAL/HABITAT	SOUTHERN BUSH HONEYSUCKLE	Diervilla Sessilifolia	12"	2'	22xA	22	



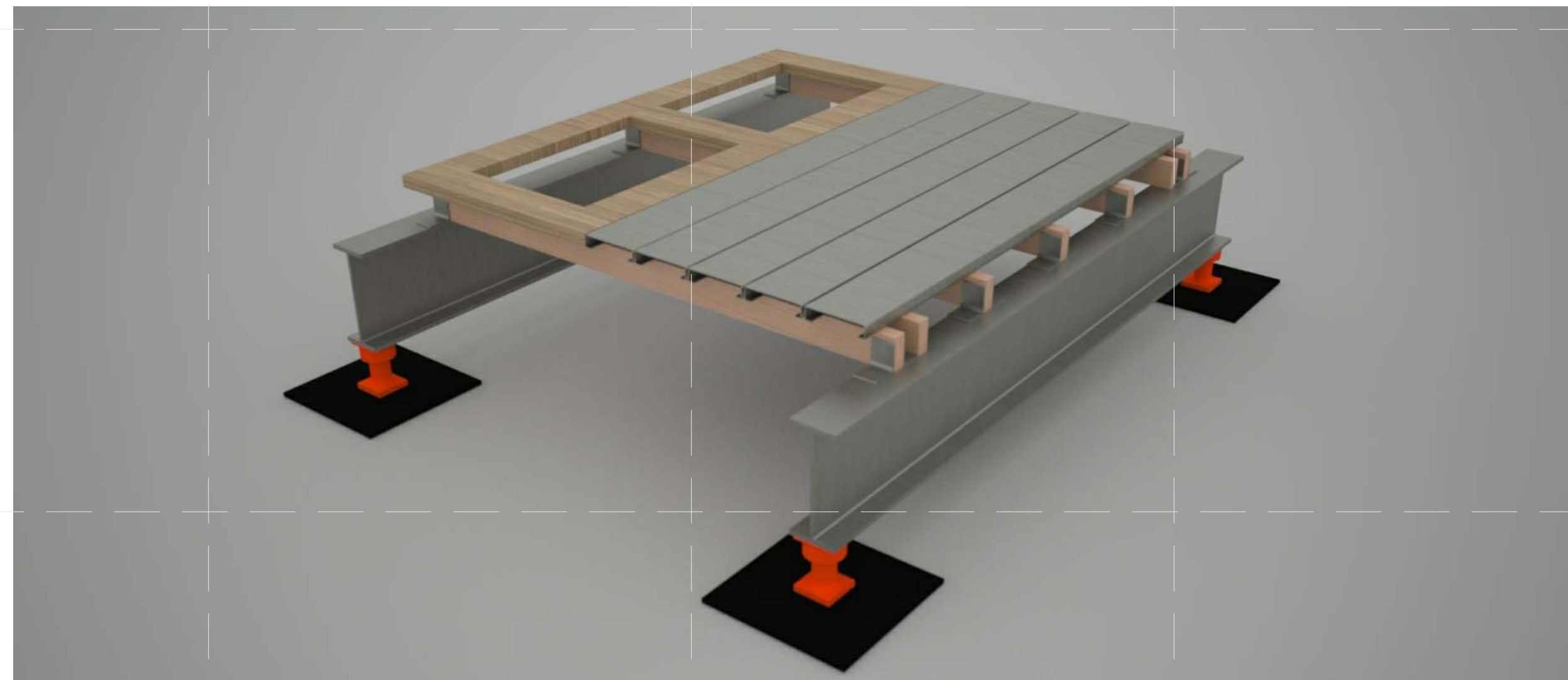
D1 JACKS
NTS



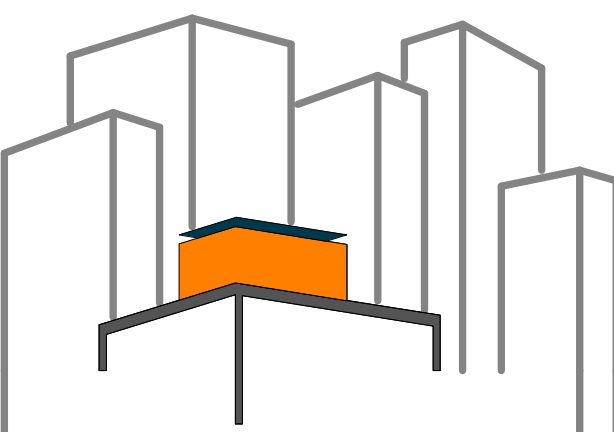
D4 JOISTS
NTS



A1 GIRDERS
NTS



A4 DECKING MATERIAL
NTS



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: SUNWOO LEE

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:47:46 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DECK ASSEMBLY

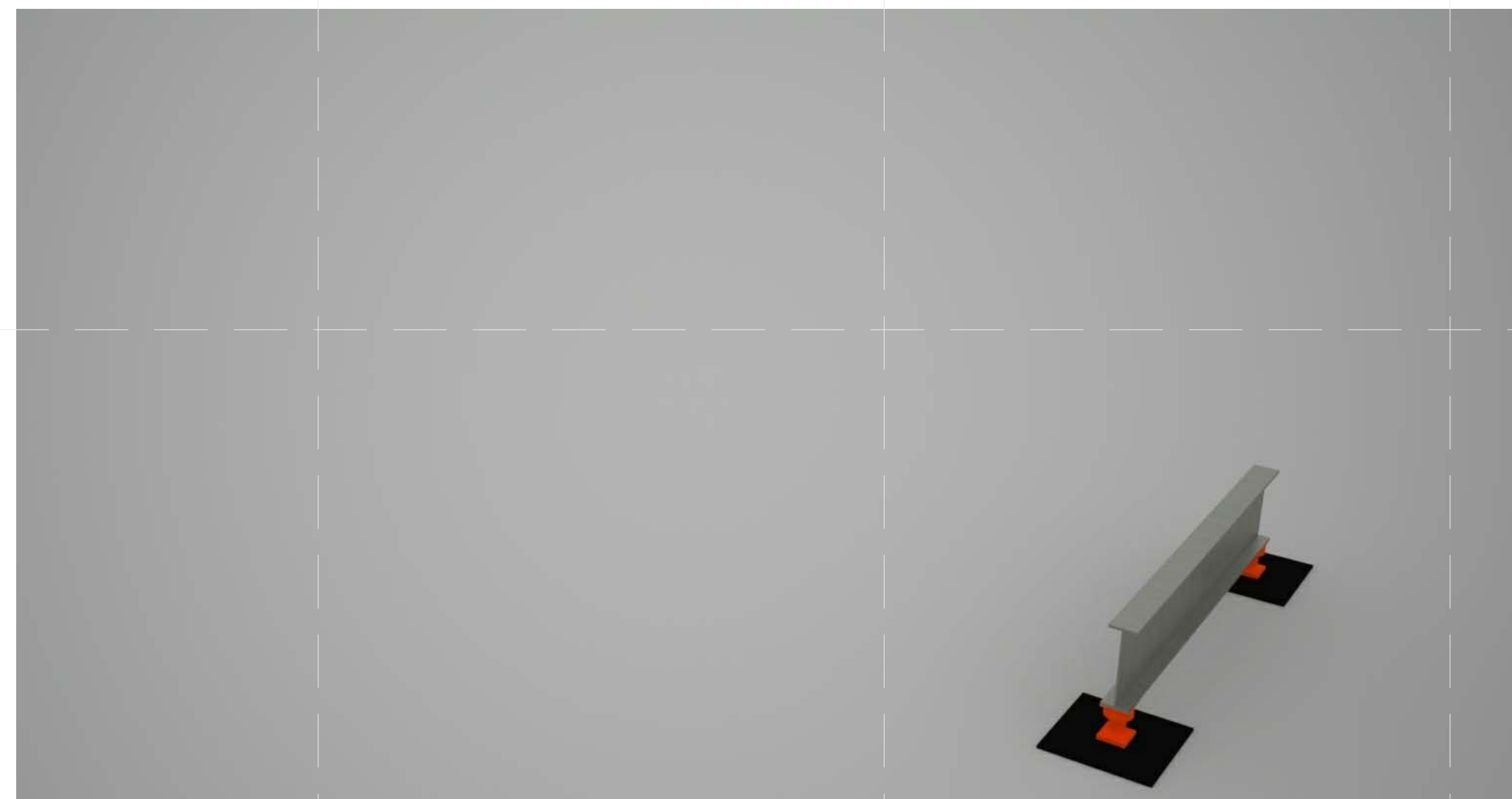
SCALE: NTS

PLAN #:

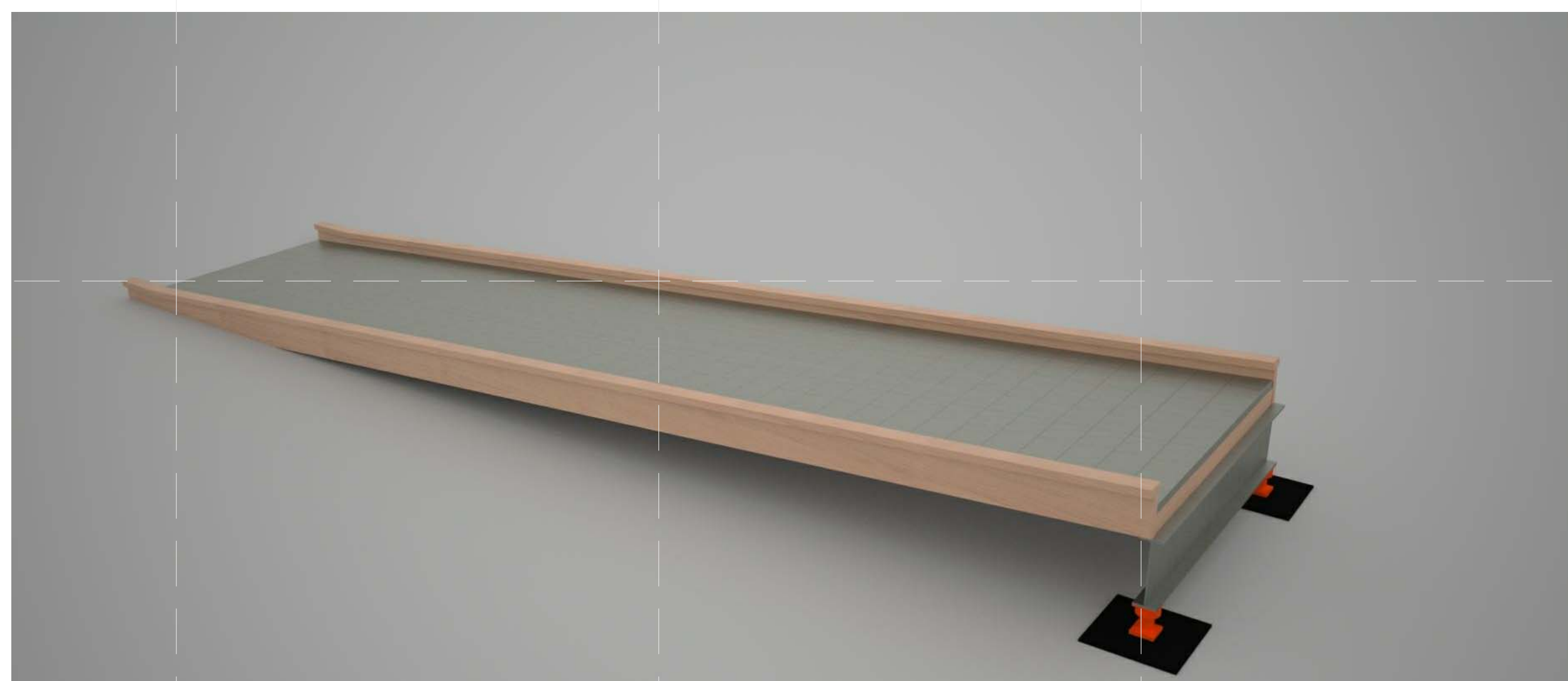
L-901.01

1 2 3 4 5 6 7

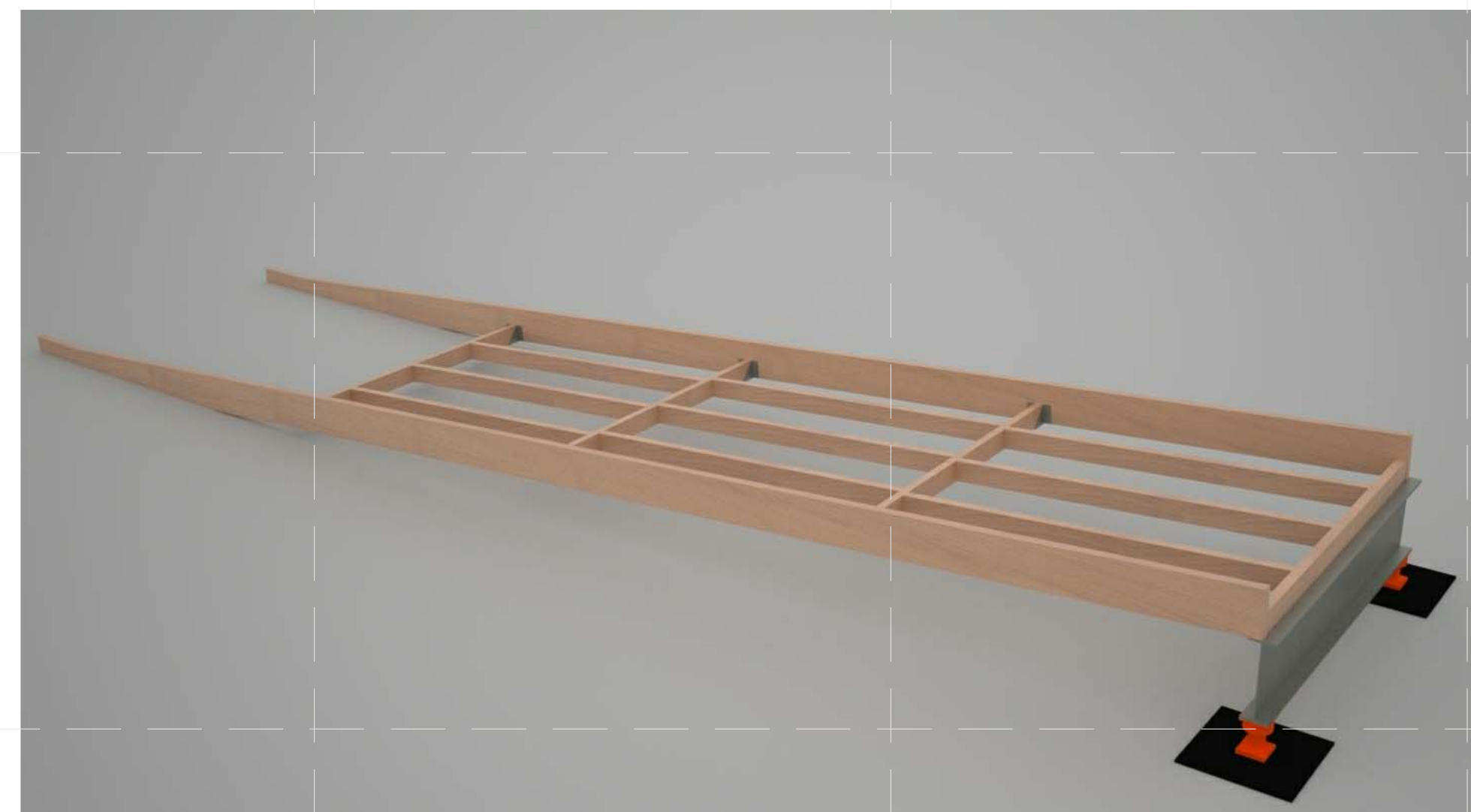
E
D
C
B
A



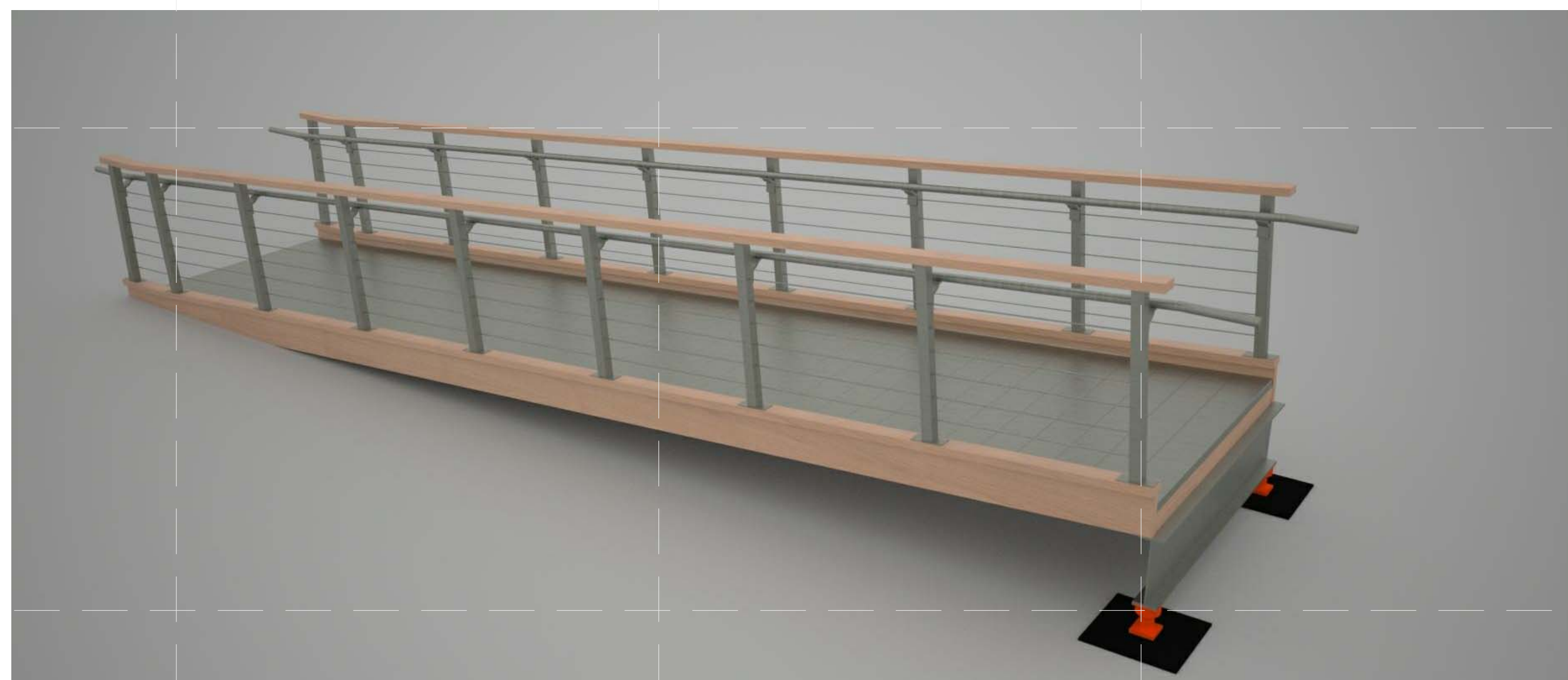
D1 JACKS AND BEAMS
NTS



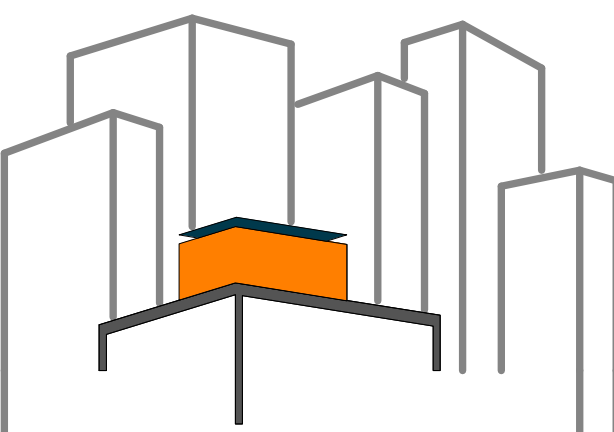
D4 RAMP SURFACE
NTS



A1 RAMP JOISTS
NTS



A4 RAILING
NTS



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: SUNWOO LEE

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:47:49 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

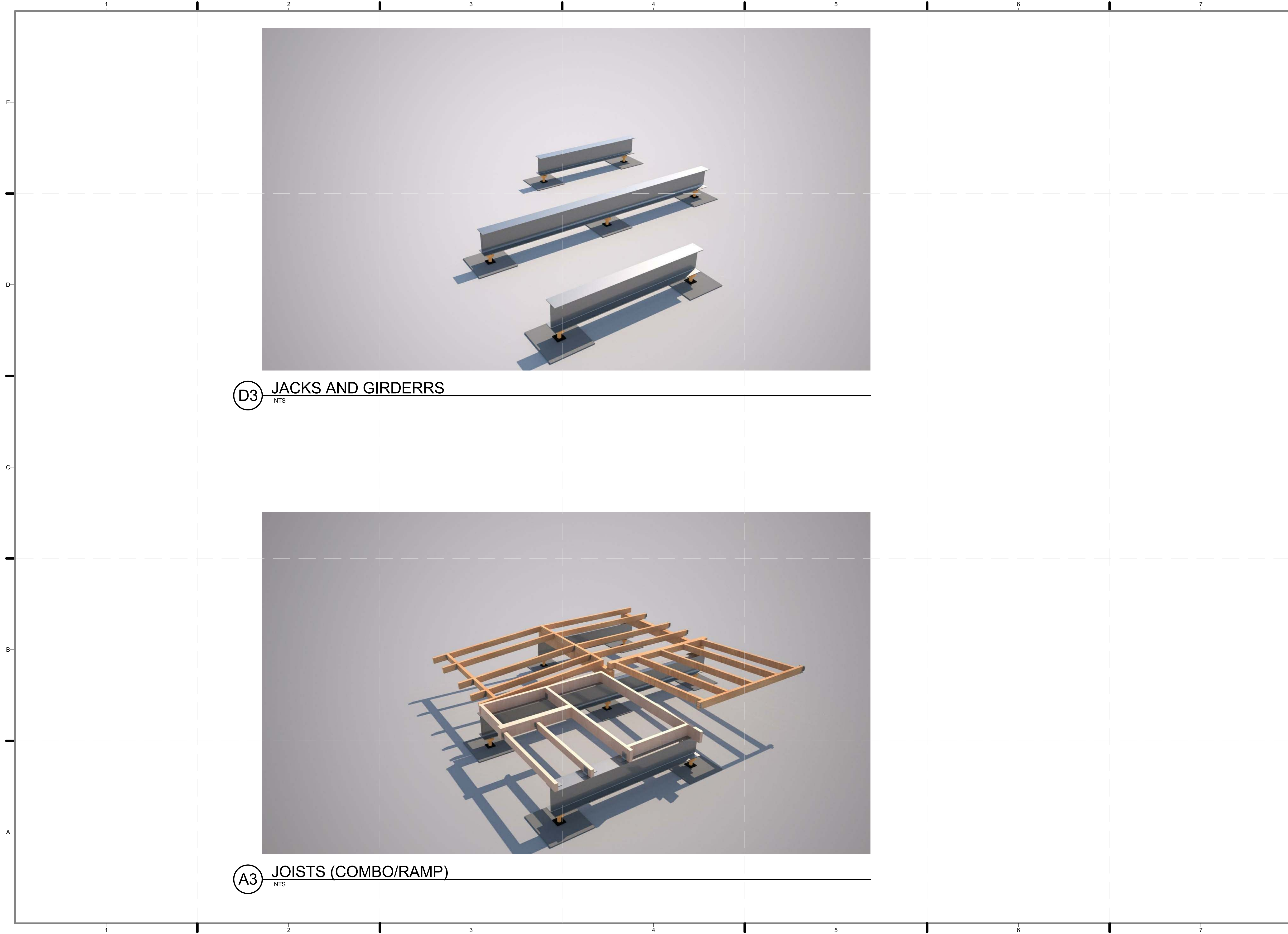
SHEET TITLE:
RAMP ASSEMBLY

SCALE: NTS

PLAN #:

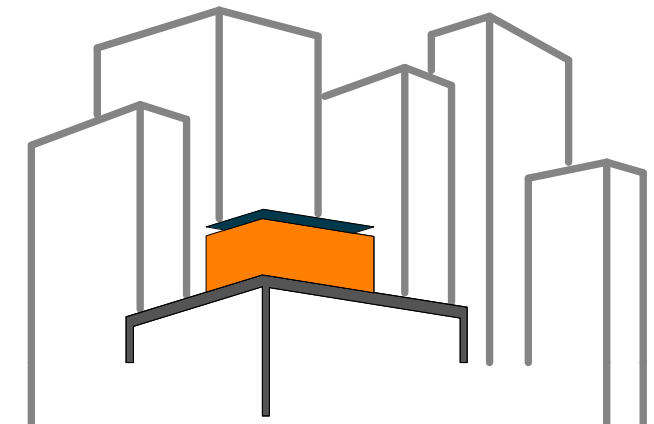
L-902.01

1 2 3 4 5 6 7



D3 JACKS AND GIRDERS
NTS

A3 JOISTS (COMBO/RAMP)
NTS



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **SUNWOO LEE**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:47:51 PM**

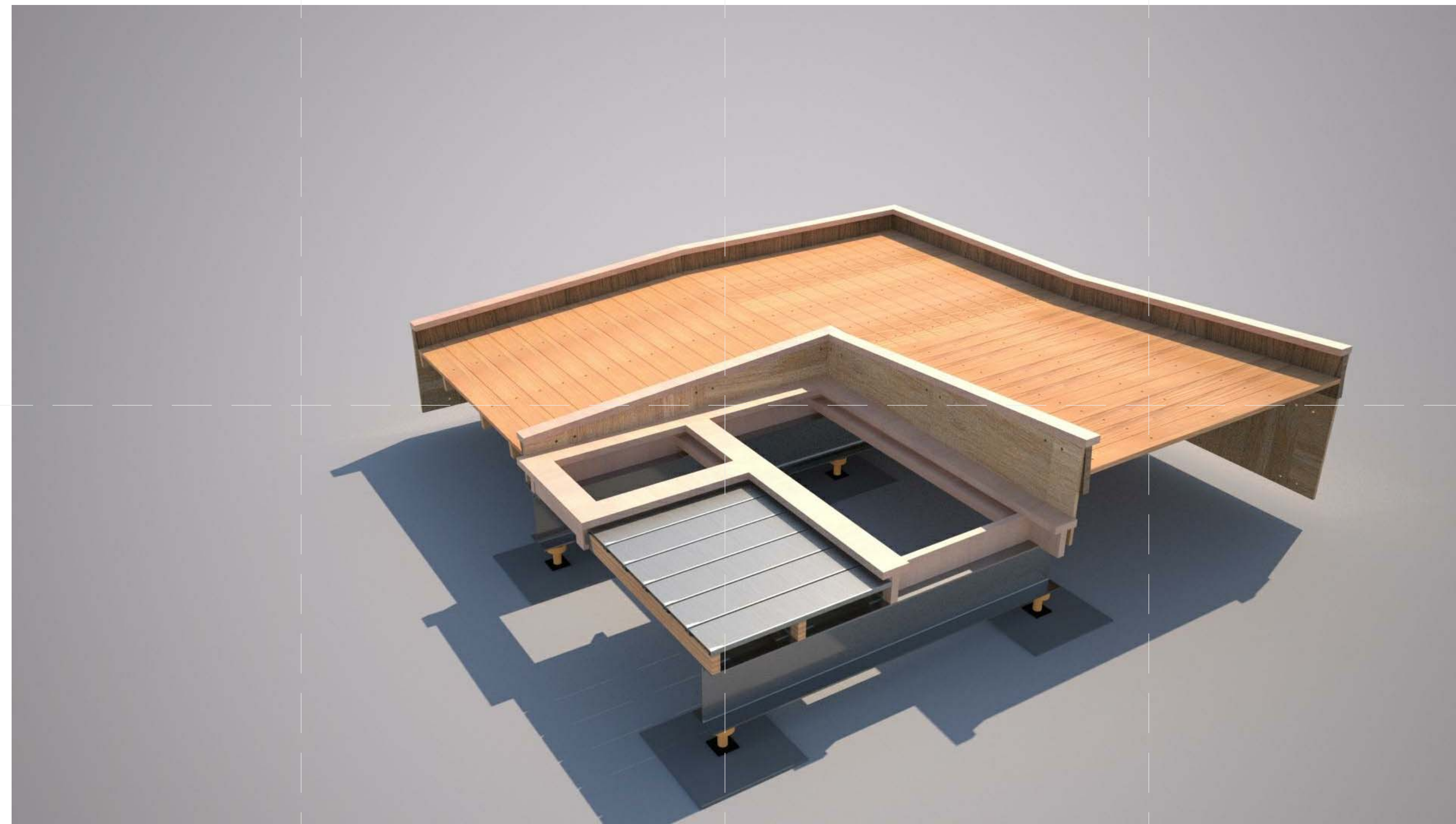
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
COMBO MODULE
AND RAMP
ASSEMBLY 1

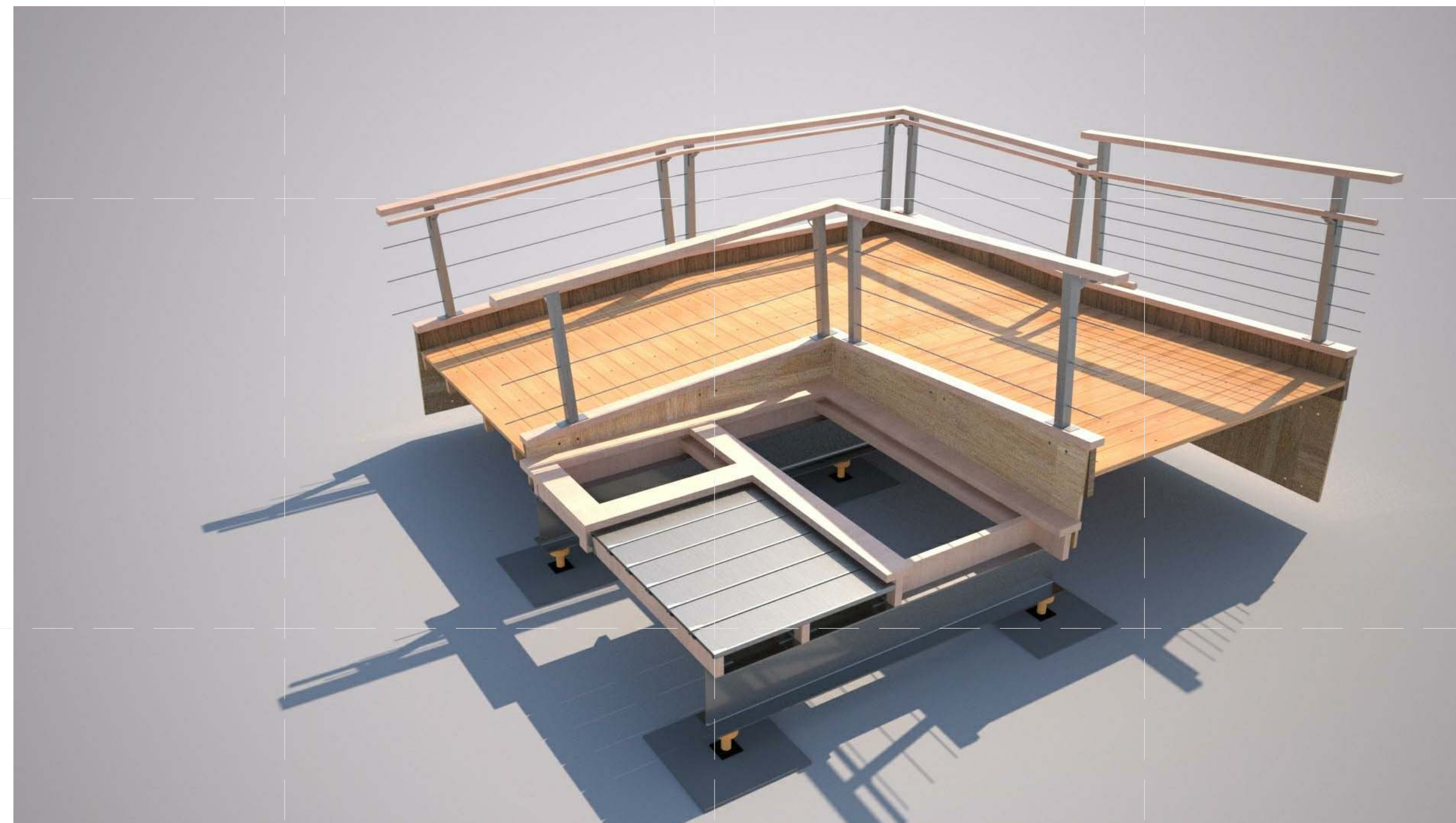
SCALE: **NTS**

PLAN #:

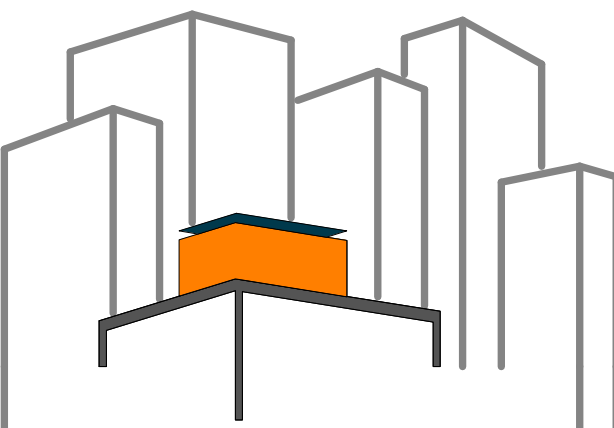
L-903.01



D3 FINISHES
NTS



A2 HANDRAILS
NTS



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **SUNWOO LEE**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:47:53 PM**

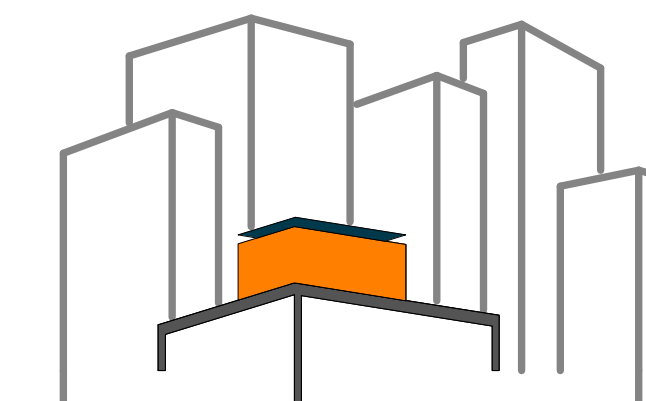
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
COMBO MODULE
AND RAMP
ASSEMBLY 2

SCALE: **NTS**

PLAN #:

L-904.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: XIAOLI TONG

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:51:43 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

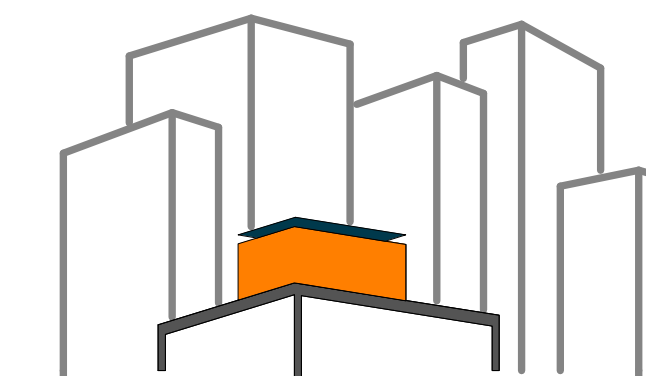
SHEET TITLE:
STRUCTURAL
NOTES

SCALE: NTS

PLAN #:

S-001.01

<p>1. GENERAL</p> <p>A. ALL WORK SHALL COMPLY WITH THE CODES, RULES, AND REGULATIONS OF 2009 SOLAR DECATHLON BUILDING CODE, AND ALL OTHER APPLICABLE LOCAL CODES AND REGULATIONS OF AGENCIES HAVING JURISDICTION.</p> <p>B. WORK THESE DRAWINGS WITH THE SPECIFICATIONS, THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, SITE DRAWINGS AND ALL OTHER RELATED DOCUMENTS. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND SHALL VERIFY ALL DATA ON EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. ESTABLISH ALL OPENINGS AND INSERTS WITH APPROPRIATE TABLES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. DO NOT PENETRATE ANY STRUCTURAL ELEMENT WITHOUT PRIOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.</p> <p>C. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE GENERAL NOTES OR THE STRUCTURAL DRAWINGS, WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS AND SPECIFICATIONS THE GREATER REQUIREMENTS SHALL GOVERN.</p> <p>D. THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND/OR SHORING FOR ALL STRUCTURAL WORK AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF TEMPORARY ERECTION BRACING AND/OR SHORING.</p> <p>E. ANY ENGINEERING DESIGN PROVIDED BY OTHERS SHALL BEAR THE SEAL OF A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.</p> <p>F. TYPICAL DETAILS ARE NOT CUT ON THE DRAWINGS, BUT APPLY UNLESS NOTED OTHERWISE.</p> <p>G. DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS.</p> <p>H. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON STRUCTURAL FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT WHERE NO SPECIFIC DETAILS ARE SHOWN. CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.</p> <p>I. THE CONTRACTOR SHALL CHECK THE BUILDING LOCATION WITH REGARD TO PROPERTY LINE, AND VERIFY ALL EXISTING CONDITIONS BEFORE EXCAVATION AND SHOP DRAWING PREPARATION. NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.</p> <p>J. IN CASE OF CONTRADICTION BETWEEN THE DRAWINGS, THE SPECIFICATIONS, AND THE CODES, OR IF ANY CHANGE IS REQUIRED, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY. NO CHANGE SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.</p>	<p>2. DESIGN LOADS</p> <p>A.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FLOOR</th> <th>ROOF</th> <th>SPACE FRAME</th> <th>RAMP & DECK</th> </tr> </thead> <tbody> <tr> <td>LIVE LOAD</td> <td>50</td> <td>20 (CONST.)</td> <td>20</td> <td>100</td> </tr> <tr> <td>SELF-WEIGHT</td> <td>10</td> <td>10</td> <td>3</td> <td>10</td> </tr> <tr> <td>SUPERIMPOSED DEAD LOAD</td> <td>10</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>TOTAL</td> <td>70</td> <td>35</td> <td>28</td> <td>115</td> </tr> </tbody> </table> <p>B. WIND LOADS: BASIC WIND SPEED: 60 MPH IMPORTANCE FACTOR: 1.0 EXPOSURE CATEGORY: C</p> <p>C. COMPONENTS AND CLADDING (MEMBERS SUPPORTING A TRIBUTARY AREA LESS THAN 700 SQ. FT.) SHALL BE DESIGNED IN ACCORDANCE WITH ASCE 7-05.</p> <p>D. FACILITIES AND OTHER EQUIPMENT SHALL BE ISOLATED WITH THE BUILDING STRUCTURES AND SUPPORTED BY ITS OWN DUNNAGE SYSTEM.</p>		FLOOR	ROOF	SPACE FRAME	RAMP & DECK	LIVE LOAD	50	20 (CONST.)	20	100	SELF-WEIGHT	10	10	3	10	SUPERIMPOSED DEAD LOAD	10	5	5	5	TOTAL	70	35	28	115	<p>3. STRUCTURAL STEEL</p> <p>A. STEEL CONSTRUCTION SHALL CONFORM TO AISC "STEEL CONSTRUCTION MANUAL", NINTH EDITION, AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AS ADOPTED MARCH 7, 2000</p> <p>B. MATERIALS FOR STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS: COLUMNS OR GIRDERS -A 572, GRADE 500R A992 PLATES AND MISC. STEEL -A 36 STRUCTURAL TUBE -A 500, GRADE B STRUCTURAL PIPE -A 501OR A 53, TYPE E OR S, GRADE B</p> <p>C. ALL BOLTED CONNECTIONS SHALL BE MADE USING A325-SC BOLTS, 3/4" DIAMETER INSTALLED IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR 490 BOLTS" UNLESS OTHERWISE DETAILED.</p> <p>D. ANCHOR BOLTS SHALL BE OF A36 OR A307 STEEL.</p> <p>E. ALL STEEL SHALL BE SHOP PAINTED WITH TNEDEC 10-99 PRIMER OR APPROVED EQUAL 2.0 MILS IN THICKNESS, EXCEPT WHERE FIELD WELDING OR FRACTION BOLTING IS TO BE DONE AND EXCEPT WHERE STEEL IS TO RECEIVE SPRAY APPLIED FIREPROOFING. ALL WELDS AND BARE SPOTS SHALL RECEIVE TOUCHUP PAINT. ALL STEEL WITH EXTERIOR EXPOSURE SHALL RECEIVE A SHOP PAINTED TNEDEC SERIES 66 OR 161 PRIMER AND A FIELD APPLIED FINISH COAT AFTER PRIMER TOUCH UP. FINISH COAT SHALL BE EXPOXY BASED WITH THICKNESS OF 2.0 MILS.</p> <p>F. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS. SHOP DRAWINGS ARE PREPARED AND USED BY THE CONTRACTOR AS INSTRUMENTS TO SEQUENCE HIS WORK AND TO FACILITATE FABRICATION AND ERECTION. REVIEW OF SHOP DRAWINGS SHALL BE FOR GENERAL DETAIL AND ARRANGEMENT ONLY. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR DIMENSIONS, PROPER FIT AND DETAILED DESIGN OF CONNECTIONS. THEIR APPROVAL BY THE STRUCTURAL ENGINEER IS NOT TO BE CONSTRUED AS A WAIVER OF CONSTRUCTION CONTRACT REQUIREMENTS OR RESPONSIBILITIES, UNLESS THE CONTRACTOR HAS BEEN GRANTED A DEVIATION IN WRITING.</p> <p>G. CONNECTIONS SHALL BE DESIGNED FOR MAXIMUM SAFE UNIFORM LOAD FOR THE SPAN OF THE MEMBER, OR FOR SHEARS SHOWN ON THE DRAWINGS X 1.10, UNLESS OTHERWISE DETAILED.</p> <p>H. DURING ERECTION, APPROVED TEMPORARY BRACING SHALL BE INSTALLED AS REQUIRED TO PREVENT DISTORTION OR DAMAGE TO THE FRAMEWORK DUE TO ERECTION FORCES.</p> <p>I. STEEL SHOP DRAWINGS SHALL BE COORDINATED WITH STAIR DETAILS. IF HANGER RODS ARE USED, PROVIDE STIFFENER PLATE 1/4" THK. MIN. ALONGSIDE HANGER LOCATION.</p> <p>J. STEEL FABRICATOR IS EXPERIENCED AND HOLDS VALID AISC CERTIFICATION.</p>	<p>4. WELDING</p> <p>A. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH STANDARDS OF THE AMERICAN WELDING SOCIETY. ELECTRODES MUST MEET E70XX SERIES REQUIREMENTS, LOW HYDROGEN, WITH MINIMUM TENSILE STRESS OF 70,000 PSI. ELECTRODES SHALL BE PRODUCED AND STORED IN ACCORDANCE WITH AWS D1.1 SECTIONS 4.5 OR 4.12</p> <p>B. STEEL ERECTOR SHALL PROVIDE A FIRE WATCH DURING ALL FIELD WELDING OPERATIONS.</p> <p>C. ALL WELDERS ARE TO BE LICENSED AND CERTIFIED TO AWS STANDARDS OR THOSE REQUIRED BY APPLICABLE BUILDING CODE.</p> <p>D. ALL WELDS SHALL BE VISUALLY INSPECTED. ALL GROOVE WELDS SHALL RECEIVE RADIOGRAPHIC OR ULTRASONIC TESTING. MAGNETIC PARTICLE TEST 20% OF ALL FILLET WELDS.</p> <p>E. REPORTS OF EACH TEST SHALL BE GIVEN TO THE STRUCTURAL ENGINEER. NO FAILED WELD SHALL BE PERMITTED TO REMAIN IN SERVICE. IT IS THE RESPONSIBILITY OF THE TESTING LABORATORY TO PROVIDE TIMELY NOTICE OF FAILED TESTS TO THE CONTRACTOR.</p> <p>F. WELDING SHALL PROGRESS IN A MANNER WHICH BALANCES THE STRESSES IN THE MEMBERS, IN ACCORDANCE WITH AWS.</p> <p>G. PREGATEING REQUIREMENTS FOR BASE METAL SHALL FOLLOW AWS. GUIDELINES.</p>	<p>5. WOOD FRAMING</p> <p>1. ALL LUMBER, WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS AND THE CODES, RULES, AND REGULATIONS OF THE STATE OF NEW YORK: AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC). NATIONAL FOREST PRODUCTS ASSOC. "DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER". U.S. DEPARTMENT OF COMMERCE STANDARD CS 253. AMERICAN PLYWOOD ASSOCIATION.</p> <p>LUMBER FOR ALL INTERIOR STRUCTURAL FRAMING, INCLUDING ROOF FRAMING, JOISTS, POSTS, STUDS, SILLS, CAP PLATES, WOOD BEARING PLATES, AND BLOCKING SHALL BE SURFACE DRY AND USED AT MAXIMUM 19% MOISTURE CONTENT WITH THE FOLLOWING MINIMUM BASE DESIGN VALUES:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-right: 20px;">F_b=</td> <td>875 PSI</td> </tr> <tr> <td>F_v=</td> <td>95 PSI</td> </tr> <tr> <td>F_{c I}=</td> <td>625 PSI</td> </tr> <tr> <td>F_{c II}=</td> <td>1,300 PSI</td> </tr> <tr> <td>E=</td> <td>1,600,000 PSI</td> </tr> </table> <p>ALL VALUES SHALL BE ADJUSTED WITH APPROPRIATE ADJUSTMENT FACTORS PER NDS SUPPLEMENT. ANY LUMBER SPECIES MAY BE USED, SUBJECT TO REVIEW AND ACCEPTANCE BY ENGINEER, IF THEY MEET THE ABOVE MINIMUM REQUIREMENTS.</p> <p>2. BASE DESIGN VALUES FOR VISUALLY GRADED DIMENSION LUMBER:</p>	F _b =	875 PSI	F _v =	95 PSI	F _{c I} =	625 PSI	F _{c II} =	1,300 PSI	E=	1,600,000 PSI	<p>6. STRUCTURAL ALUMINUM</p> <p>A. STEEL CONSTRUCTION SHALL CONFORM TO AA ASM 35 AND PART 1A OF THE "ALUMINUM DESIGN MANUAL - SPECIFICATION FOR ALUMINUM STRUCTURES: ALLOWABLE STRESS DESIGN", SEVENTH EDITION, 2000.</p> <p>B. MATERIALS FOR STRUCTURAL ALUMINUM SHALL CONFORM TO THE ASTM SPECIFICATIONS OF 6061-T6 U.O.N.</p> <p>C. WHEN STEEL BOLTS ARE USED, THEY SHALL BE HOT-DIP GALVANIZED, MECHANICALLY GAVANIZED, ZINC ELECTOR-PLATED, ALUMINIZED OR 300 SERIES STAINLESS STEEL. WHEN OTHER PLATING ARE/OR COATING ARE TO BE USED, EVIDENCE SHALL BE SUBMITTED TO SUBSTANTIATE THE CORROSION RESISTANCE OF THESE PRODUCTS.</p> <p>D. WELDING SHALL COMPLY WITH THE AMERICAN WELDING SOCIETY D1.2 STRUCTURAL WELDING CODE - ALUMINUM. THE ALUMINUM ALLOY FILLER METALS FOR STRUCTURAL WELDING SHOULD BE 5356 U.O.N.</p> <p>E. ALUMINUM FOR STRUCTURAL ELEMENTS SHALL AT ALL TIME IN FABRATOR'S PLANT, BE MARKED, SEGREGATED OR OTHERWISE HANDLED SO THAT THE SEPERATE ALLOY AND TEMPER ARE POSITIVELY IDENTIFIED, AND AFTER COMPLETION OF FABRICATION SHALL BE MARKED TO IDENTIFY THE ALLOY AND TEMPER.</p> <p>F. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS. SHOP DRAWINGS ARE PREPARED AND USED BY THE CONTRACTOR AS INSTRUMENTS TO SEQUENCE HIS WORK AND TO FACILITATE FABRICATION AND ERECTION. REVIEW OF SHOP DRAWINGS SHALL BE FOR GENERAL DETAIL AND ARRANGEMENT ONLY. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR DIMENSIONS, PROPER FIT AND DETAILED DESIGN OF CONNECTIONS. THEIR APPROVAL BY THE STRUCTURAL ENGINEER IS NOT TO BE CONSTRUED AS A WAIVER OF CONSTRUCTION CONTRACT REQUIREMENTS OR RESPONSIBILITIES, UNLESS THE CONTRACTOR HAS BEEN GRANTED A DEVIATION IN WRITING.</p> <p>G. CONNECTIONS SHALL BE DESIGNED FOR MAXIMUM SAFE UNIFORM LOAD FOR THE SPAN OF THE MEMBER, OR FOR SHEARS SHOWN ON THE DRAWINGS X 1.10, UNLESS OTHERWISE DETAILED.</p> <p>H. WELDING WORK SHALL BE PERFORMED ONLY BE PERSONS WHO HAVE OBTAINED A VALIED LICENSE FROM THE COMMISSIONER.</p> <p>I. DURING ERECTION, APPROVED TEMPORARY BRACING SHALL BE INSTALLED AS REQUIRED TO PREVENT DISTORTION OR DAMAGE TO THE FRAMEWORK DUE TO ERECTION FORCES.</p>	<p>7. SUBMITTALS REQUIRED, STRUCTURAL</p> <p>A. THE FOLLOWING ITEMS REQUIRE SUBMITTAL OF SHOP AND ERECTION DRAWINGS, FOR REVIEW: i) STRUCTURAL STEEL ii) STRUCTURAL ALUMINUM</p> <p>B. THE FOLLOWING ITEMS REQUIRE SUBMITTAL OF SHOP AND ERECTION DRAWINGS AND STRUCTURAL CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THIS PROJECT: i) SPACE FRAME ii) THERMASTEEL PANEL iii) GROUND SUPPORT, SHEETING, OR BENCHING WHERE SOILS REQUIRE SUCH BY VIRTUE OF OSHA REQUIREMENTS (ALL EXCAVATIONS GREATER THAN 5' REQUIRE SPECIFIC TRENCHING CONSIDERATIONS) OR SOIL CONDITIONS.</p>	<p>8. CONTROLLED INSPECTIONS</p> <p>CONTROLLED INSPECTIONS PER 2006 IBC SHALL BE PERFORMED FOR ALL REQUIRED STRUCTURAL ITEMS, INCLUDING: WELDING HIGH STRENGTH BOLTS STRUCTURAL STABILITY NEW INSTALLATION</p>	<p>9. DRAWING LIST</p> <p>S-001 STRUCTURAL NOTES S-002 GROUND SUPPORTING DUNNAGE PLAN S-003 FLOOR AND ROOF FRAMING PLAN S-004 ROOF SPACE FRAME PLAN S-005 SECTIONS</p>
	FLOOR	ROOF	SPACE FRAME	RAMP & DECK																																							
LIVE LOAD	50	20 (CONST.)	20	100																																							
SELF-WEIGHT	10	10	3	10																																							
SUPERIMPOSED DEAD LOAD	10	5	5	5																																							
TOTAL	70	35	28	115																																							
F _b =	875 PSI																																										
F _v =	95 PSI																																										
F _{c I} =	625 PSI																																										
F _{c II} =	1,300 PSI																																										
E=	1,600,000 PSI																																										



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccny11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: XIAOLI TONG
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:51:56 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
GROUND SUPPORTING DUNNAGE PLAN

SCALE: AS INDICATED
PLAN #:

S-002.02

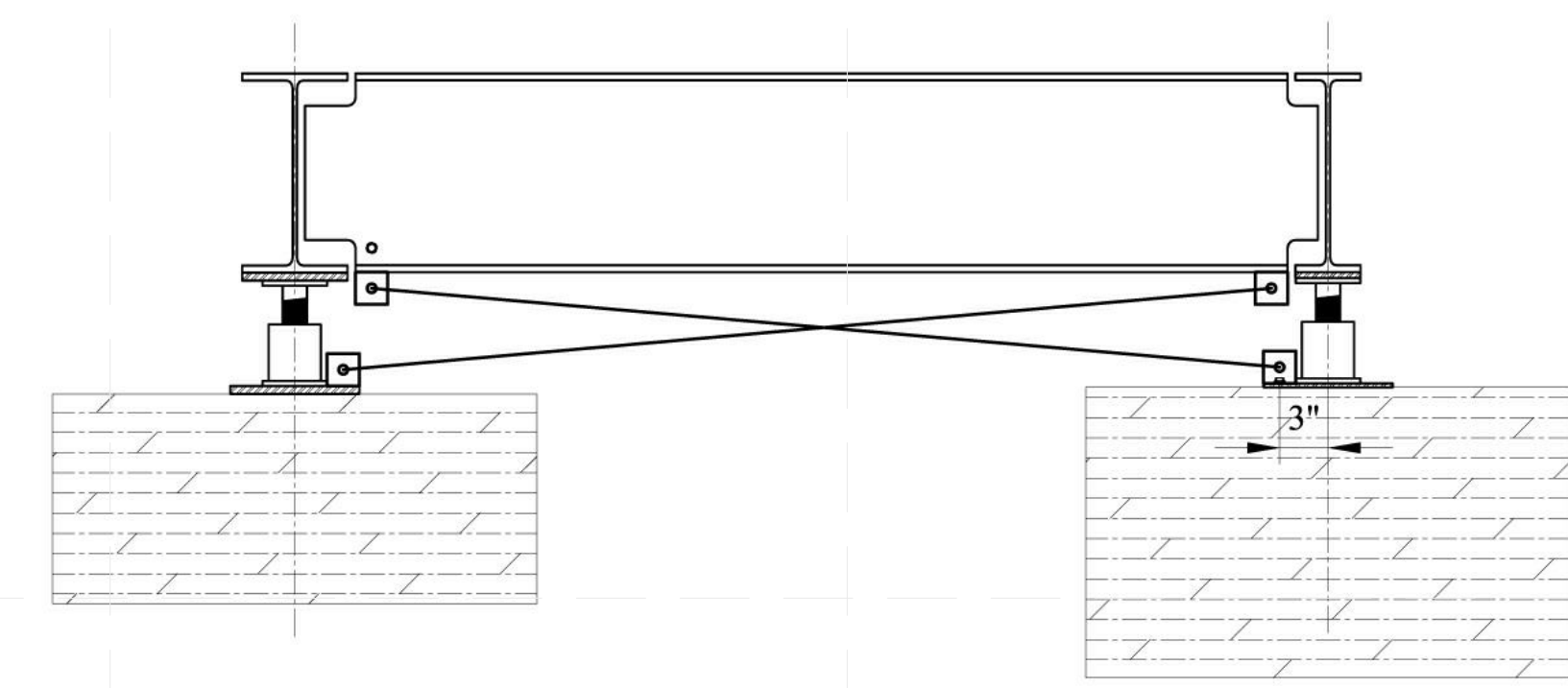
LEGEND

- STEEL BEAM
- - - BRACING (HORL.)
- - - BRACING (VERT.)
- B# JACK LOCATION & BEARING TYPE
- STEEL POST
- POST UP (ONLY)
- POST DOWN (ONLY)
- ◀▶ MOMENT CONNECTION
- BEAM CONNECTOR
- BEAM SPLICE

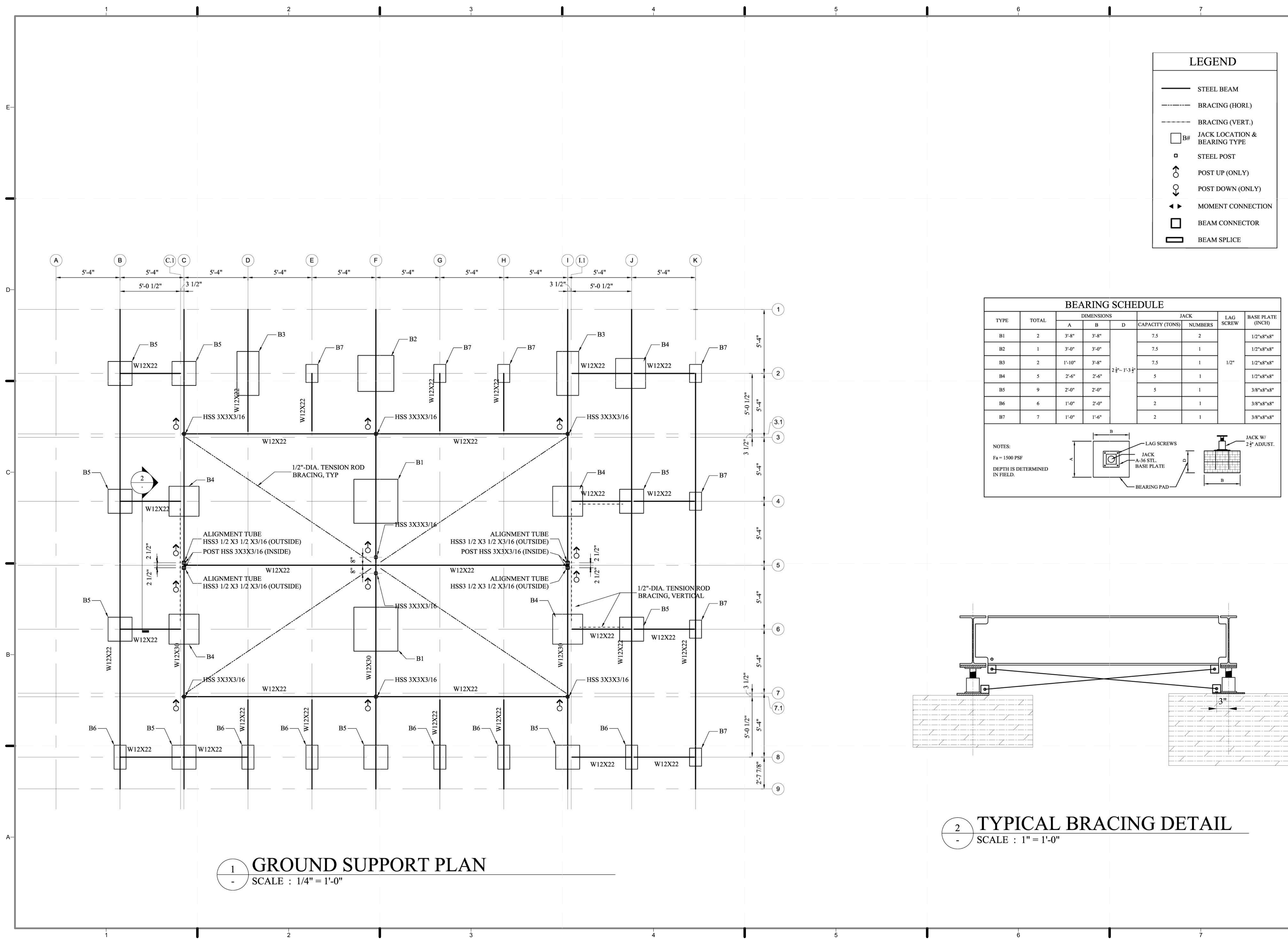
BEARING SCHEDULE

TYPE	TOTAL	DIMENSIONS			JACK CAPACITY (TONS)	JACK NUMBERS	LAG SCREW	BASE PLATE (INCH)
		A	B	D				
B1	2	3'-8"	3'-8"		7.5	2		1/2"x8"x8"
B2	1	3'-0"	3'-0"		7.5	1		1/2"x8"x8"
B3	2	1'-10"	3'-8"		7.5	1	1/2"	1/2"x8"x8"
B4	5	2'-6"	2'-6"	2 1/2" - 1'-3 1/2"	5	1		1/2"x8"x8"
B5	9	2'-0"	2'-0"		5	1		3/8"x8"x8"
B6	6	1'-0"	2'-0"		2	1		3/8"x8"x8"
B7	7	1'-0"	1'-6"		2	1		3/8"x8"x8"

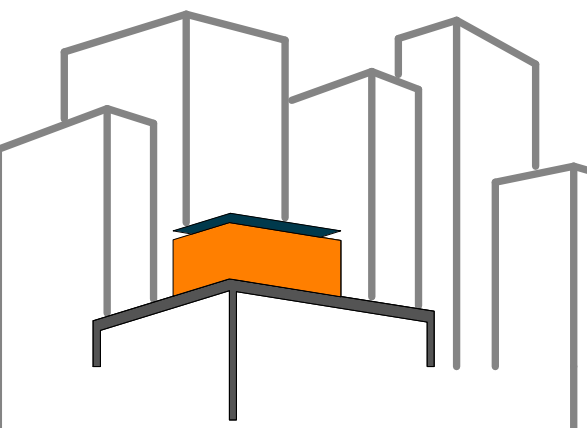
NOTES:
F_a = 1500 PSF
DEPTH IS DETERMINED IN FIELD.



2 TYPICAL BRACING DETAIL
SCALE : 1" = 1'-0"



1 GROUND SUPPORT PLAN
SCALE : 1/4" = 1'-0"



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **XIAOLI TONG**
CHECKED BY: **DOMINICK PILLA**
DATE: **8/12/2011 10:52:21 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
FLOOR AND ROOF FRAMING PLAN

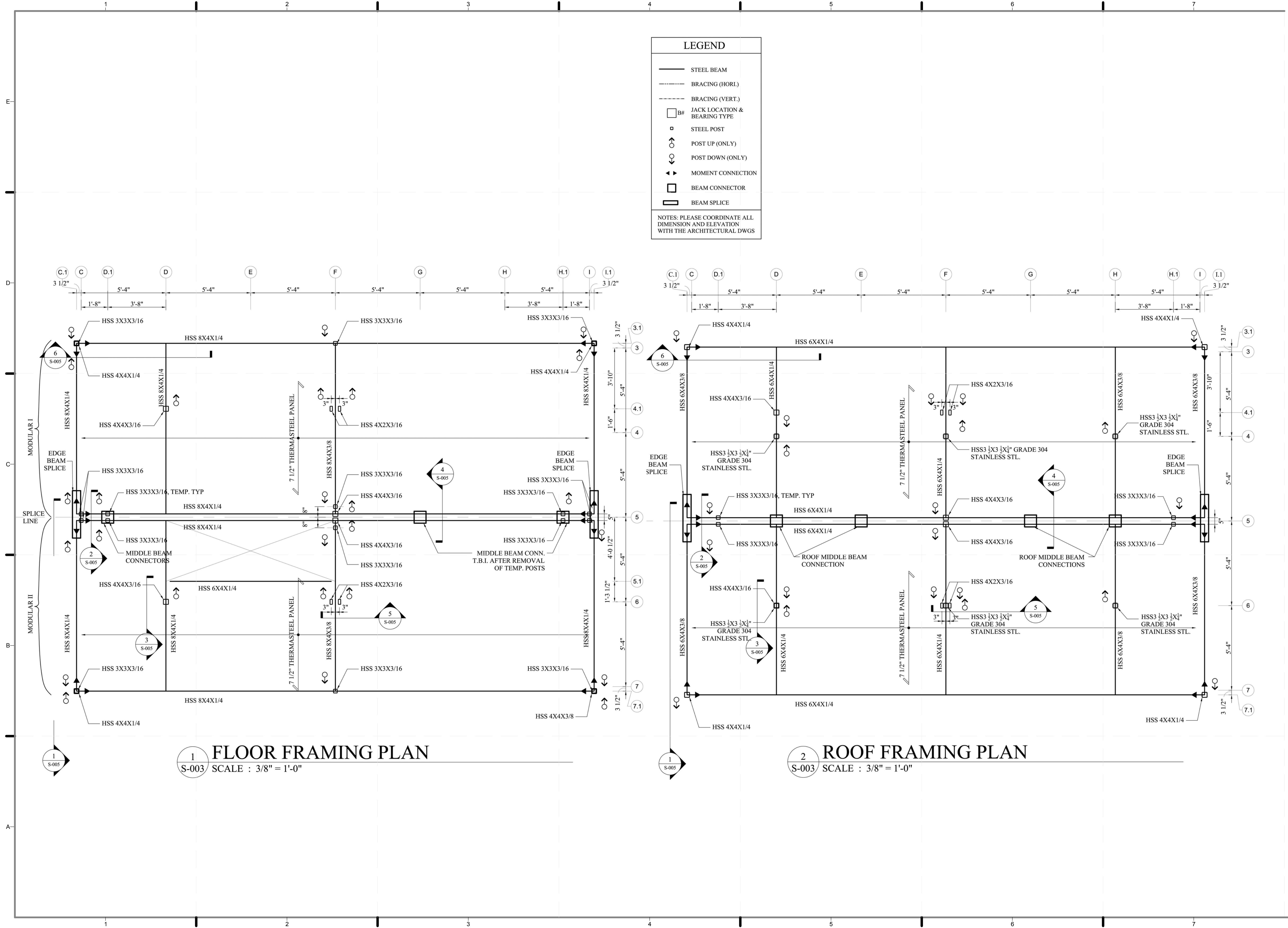
SCALE: **AS INDICATED**
PLAN #:

S-003.01

LEGEND

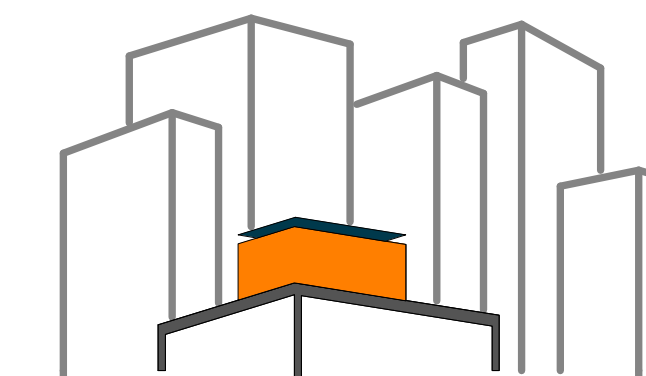
- STEEL BEAM
- - - BRACING (HORL.)
- - - BRACING (VERT.)
- B# JACK LOCATION & BEARING TYPE
- STEEL POST
- POST UP (ONLY)
- POST DOWN (ONLY)
- ◀ MOMENT CONNECTION
- BEAM CONNECTOR
- BEAM SPLICE

NOTES: PLEASE COORDINATE ALL DIMENSION AND ELEVATION WITH THE ARCHITECTURAL DWGS



1 FLOOR FRAMING PLAN
S-003 SCALE : 3/8" = 1'-0"

2 ROOF FRAMING PLAN
S-003 SCALE : 3/8" = 1'-0"



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnySD11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: XIAOLI TONG

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:52:53 PM

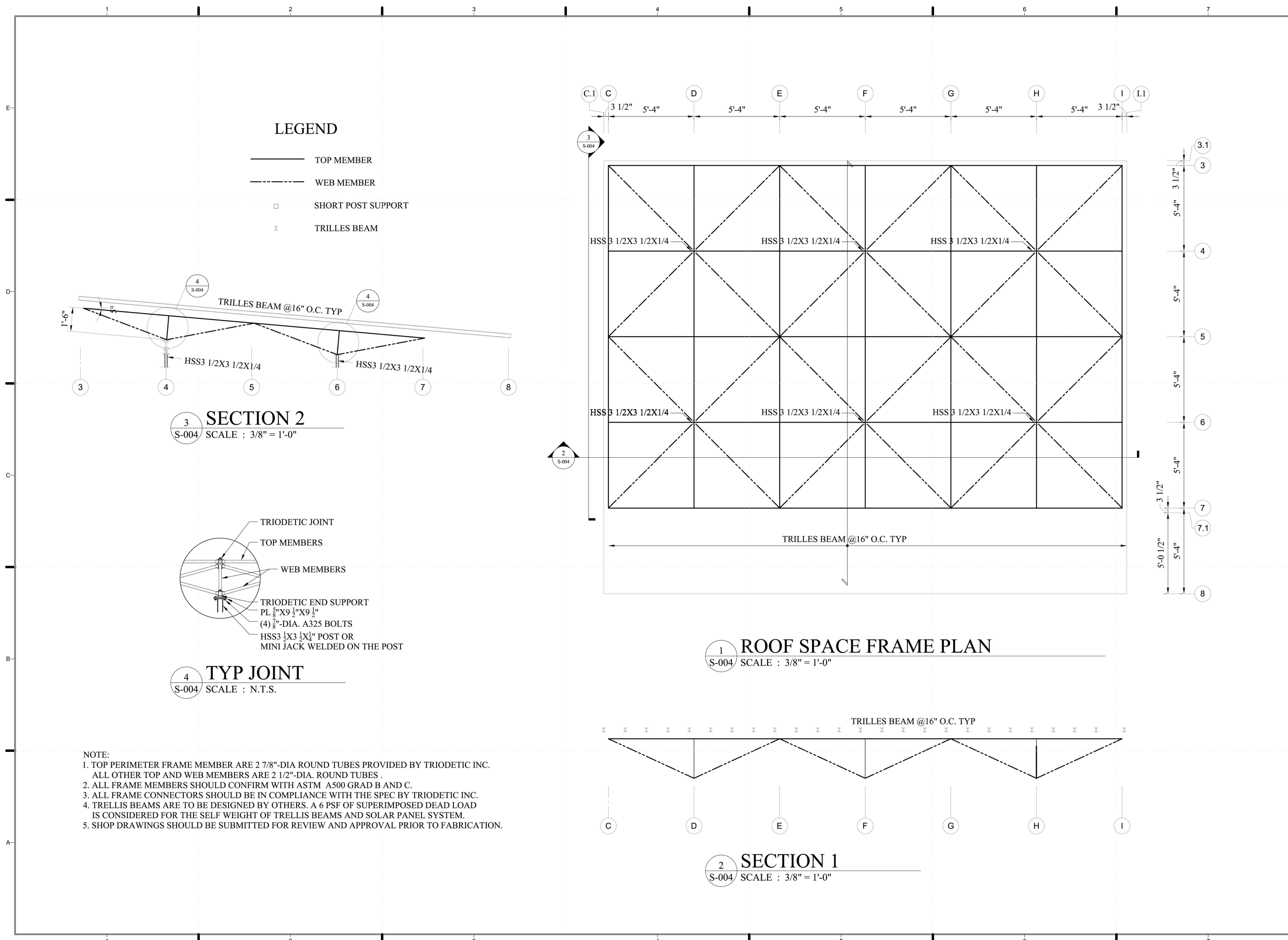
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
ROOF SPACE
FRAME FRAMING
PLAN

SCALE: AS INDICATED

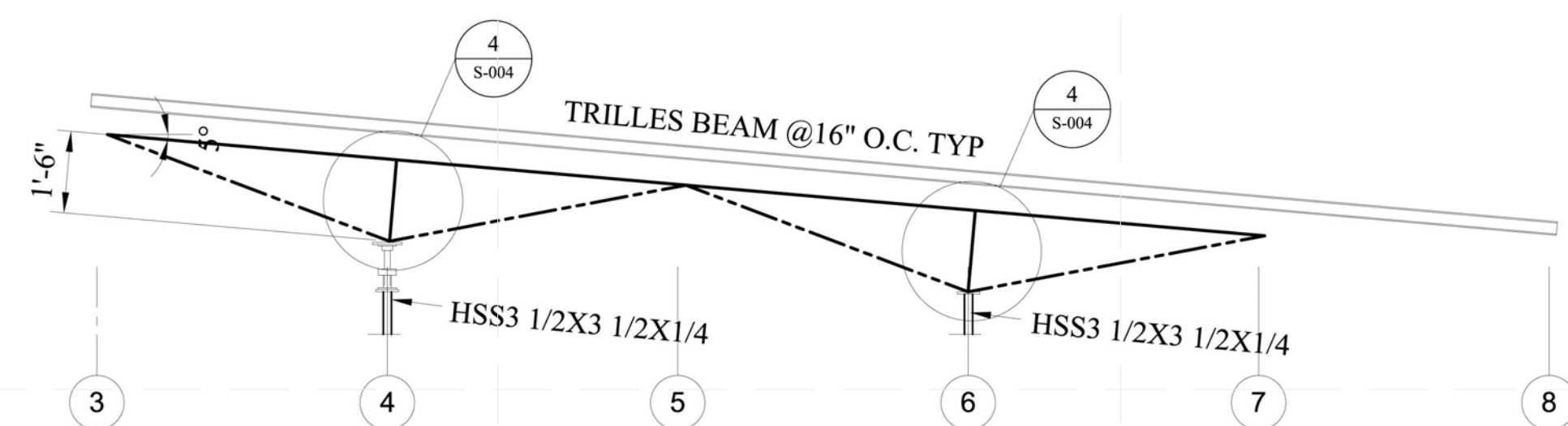
PLAN #:

S-004.01

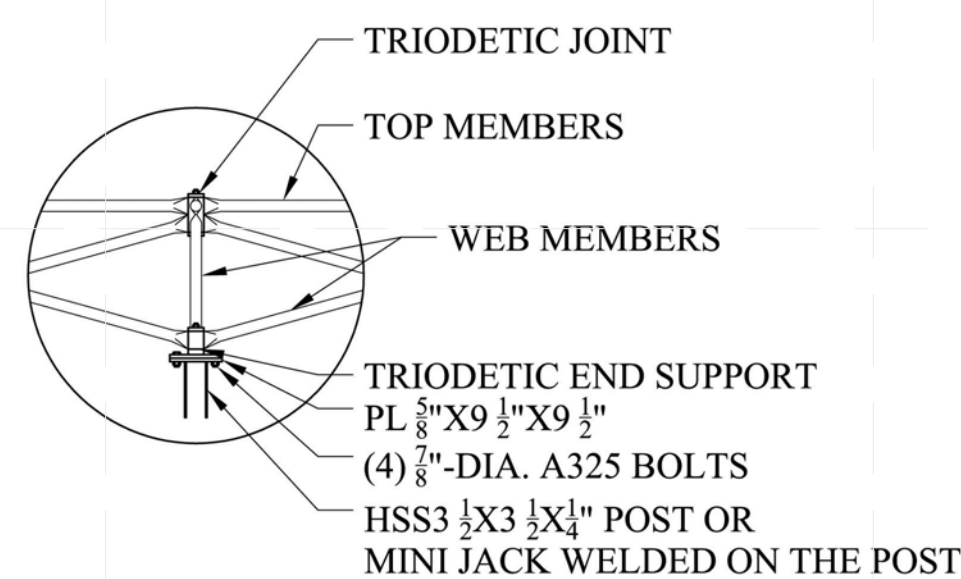


LEGEND

- TOP MEMBER
- - - - WEB MEMBER
- SHORT POST SUPPORT
- X TRILLES BEAM



3 SECTION 2
S-004 SCALE : 3/8" = 1'-0"



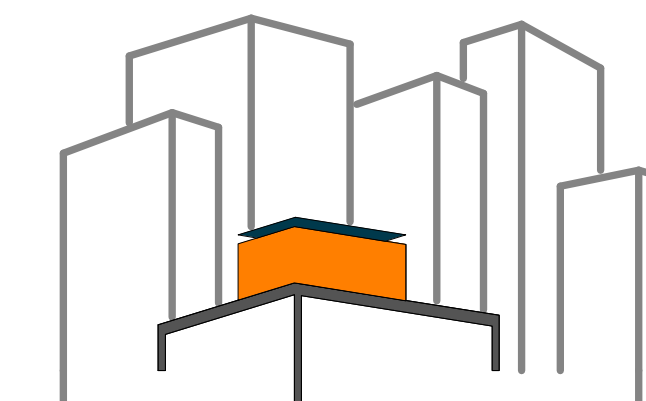
4 TYP JOINT
S-004 SCALE : N.T.S.

NOTE:

1. TOP PERIMETER FRAME MEMBER ARE 2 7/8"-DIA ROUND TUBES PROVIDED BY TRIODETIC INC. ALL OTHER TOP AND WEB MEMBERS ARE 2 1/2"-DIA. ROUND TUBES.
2. ALL FRAME MEMBERS SHOULD CONFIRM WITH ASTM A500 GRAD B AND C.
3. ALL FRAME CONNECTORS SHOULD BE IN COMPLIANCE WITH THE SPEC BY TRIODETIC INC.
4. TRELLIS BEAMS ARE TO BE DESIGNED BY OTHERS. A 6 PSF OF SUPERIMPOSED DEAD LOAD IS CONSIDERED FOR THE SELF WEIGHT OF TRELLIS BEAMS AND SOLAR PANEL SYSTEM.
5. SHOP DRAWINGS SHOULD BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

1 ROOF SPACE FRAME PLAN
S-004 SCALE : 3/8" = 1'-0"

2 SECTION 1
S-004 SCALE : 3/8" = 1'-0"



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

cnysd11@gmail.com



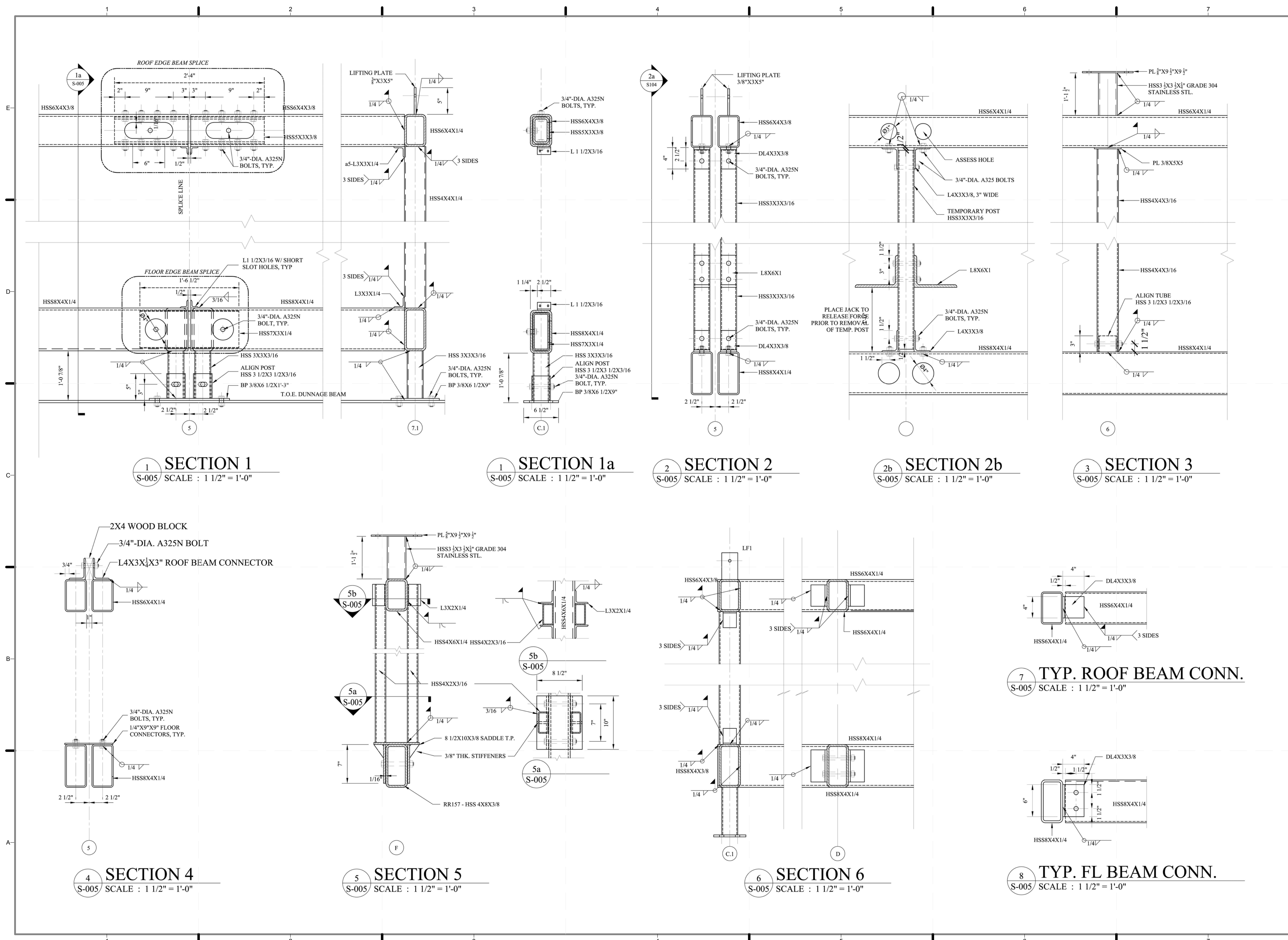
CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME



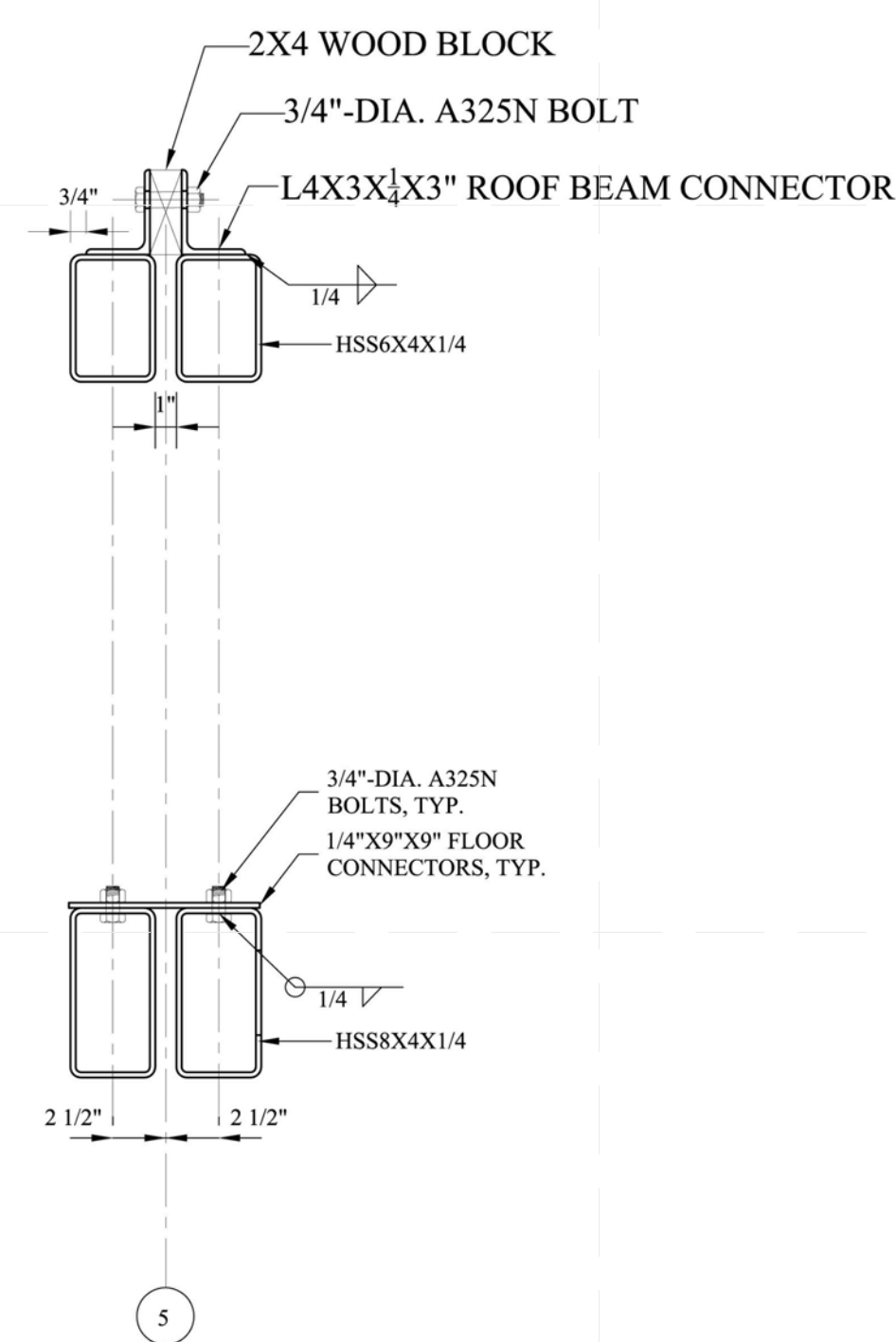
1 SECTION 1
S-005 SCALE : 1 1/2" = 1'-0"

1 SECTION 1a
S-005 SCALE : 1 1/2" = 1'-0"

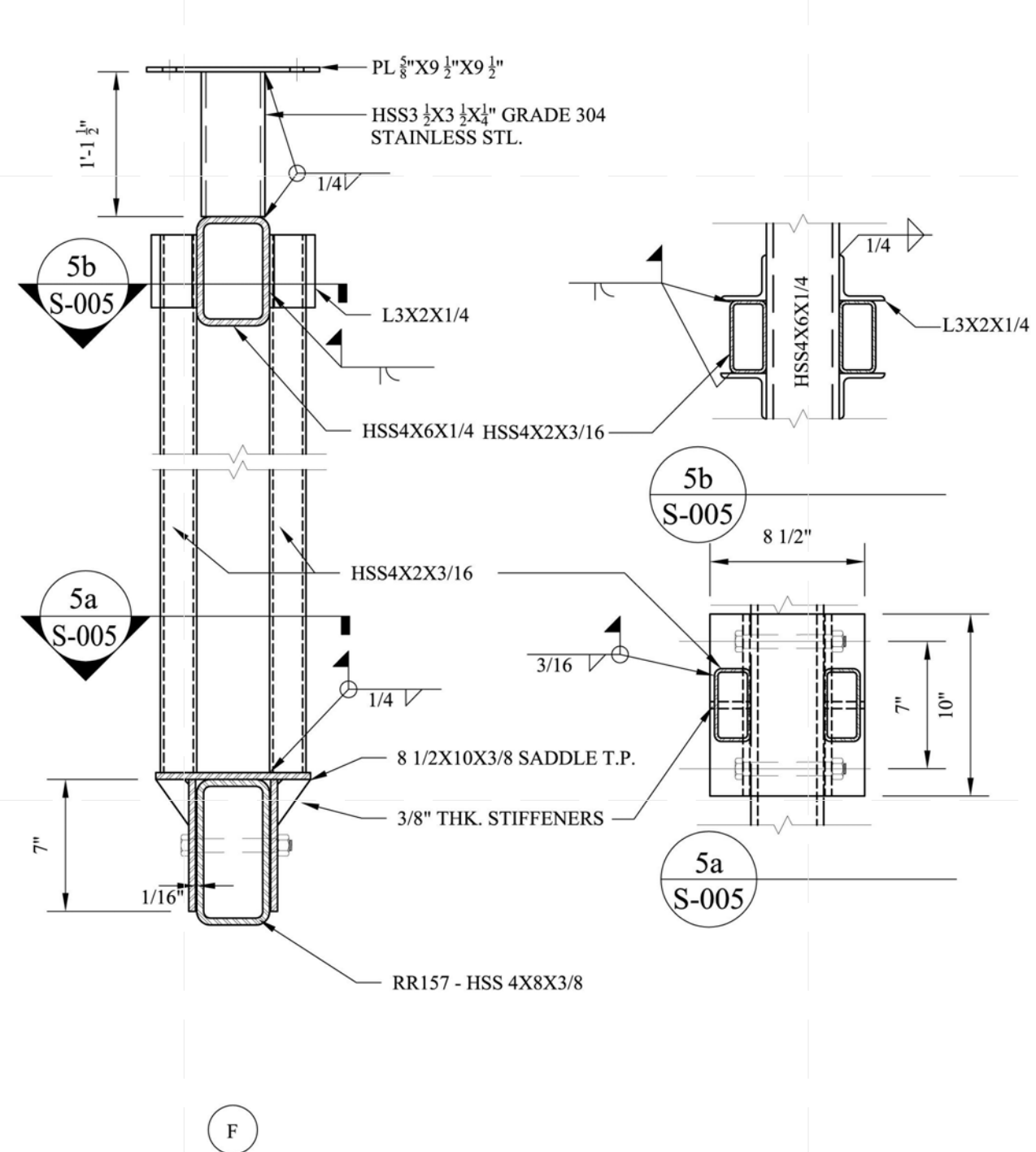
2 SECTION 2
S-005 SCALE : 1 1/2" = 1'-0"

2b SECTION 2b
S-005 SCALE : 1 1/2" = 1'-0"

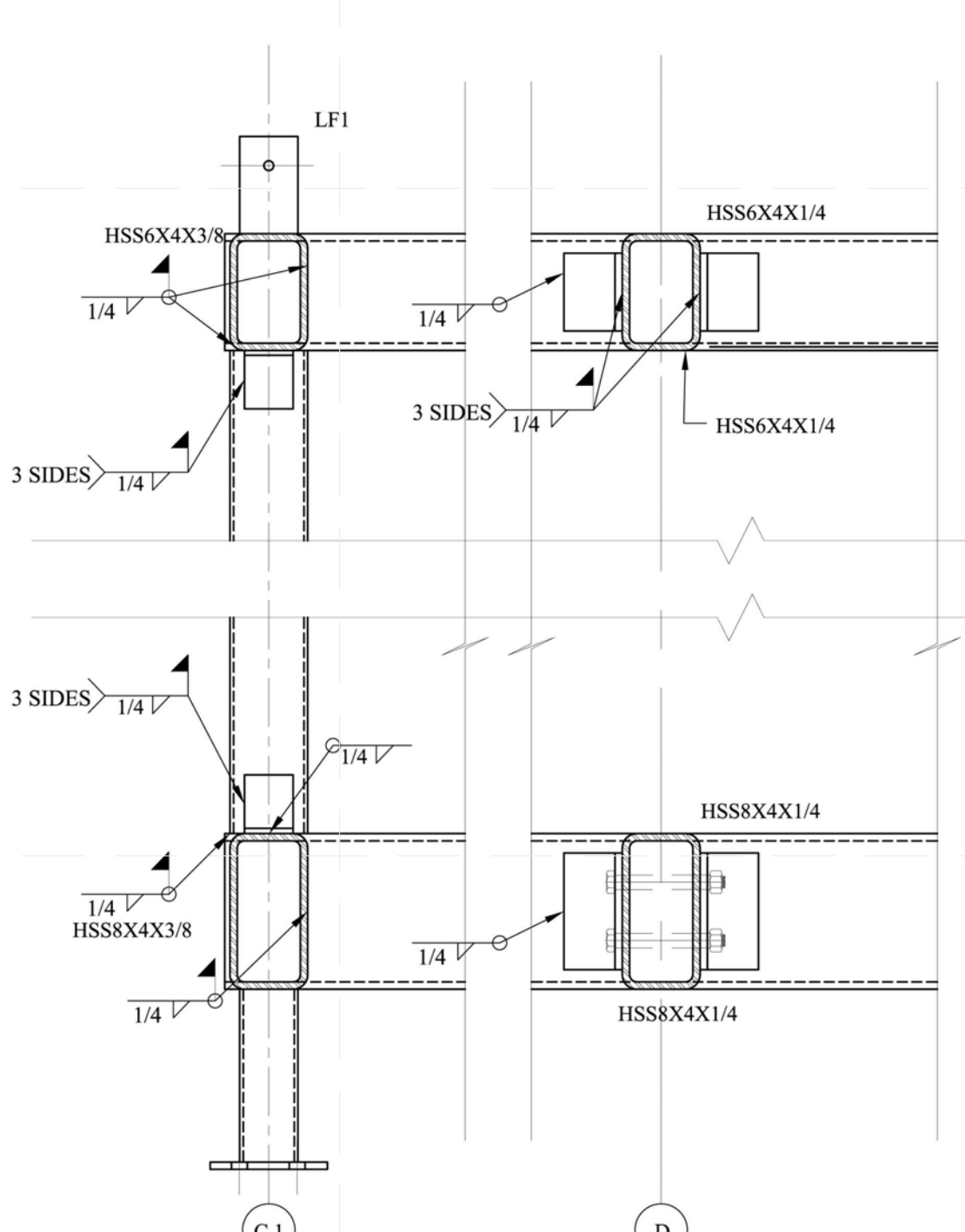
3 SECTION 3
S-005 SCALE : 1 1/2" = 1'-0"



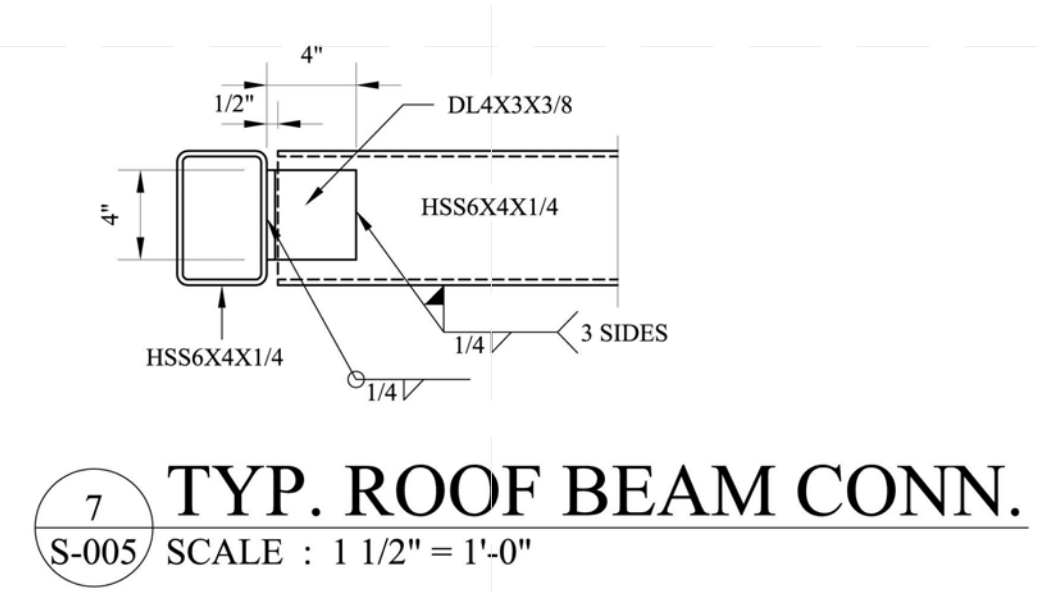
4 SECTION 4
S-005 SCALE : 1 1/2" = 1'-0"



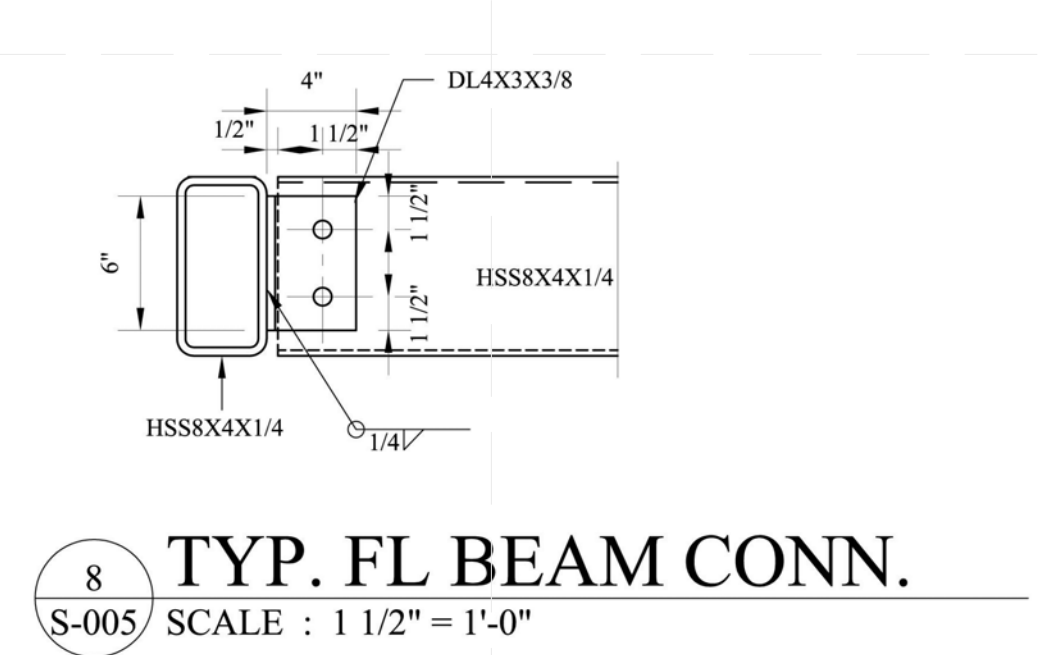
5 SECTION 5
S-005 SCALE : 1 1/2" = 1'-0"



6 SECTION 6
S-005 SCALE : 1 1/2" = 1'-0"



7 TYP. ROOF BEAM CONN.
S-005 SCALE : 1 1/2" = 1'-0"



8 TYP. FL BEAM CONN.
S-005 SCALE : 1 1/2" = 1'-0"

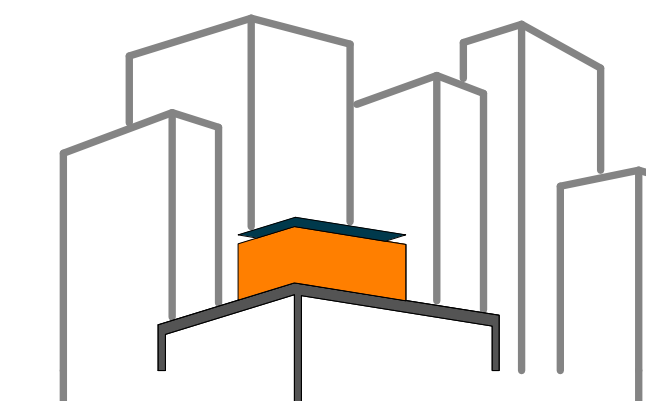
LOT NUMBER: 403
DRAWN BY: XIAOLI TONG
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:53:35 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SECTIONS

SCALE: AS INDICATED
PLAN #:

S-005.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: SAMUEL MIKHAIL

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:53:40 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

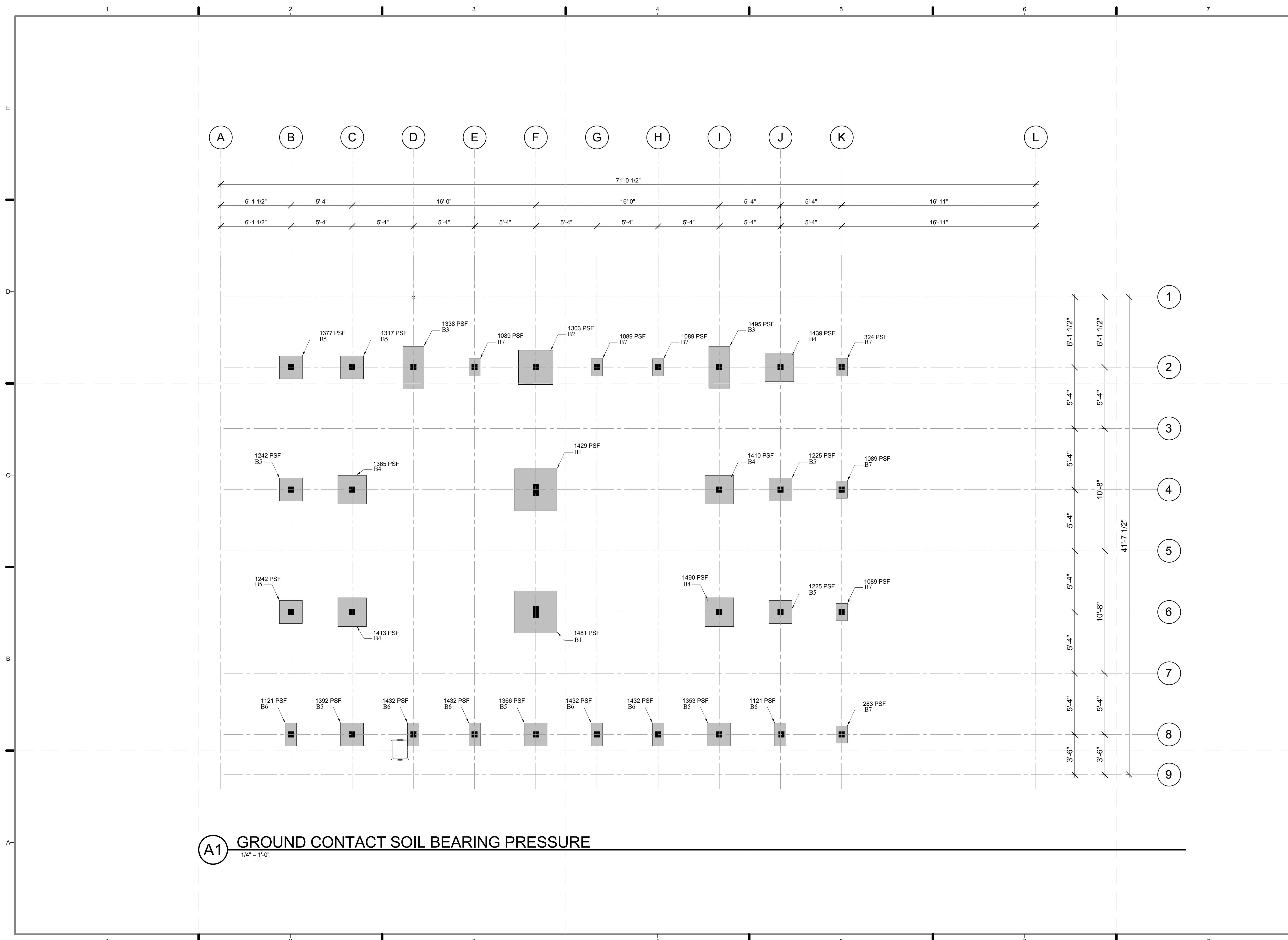
SHEET TITLE:

GROUND CONTACT
SOIL BEARING
PRESSURE

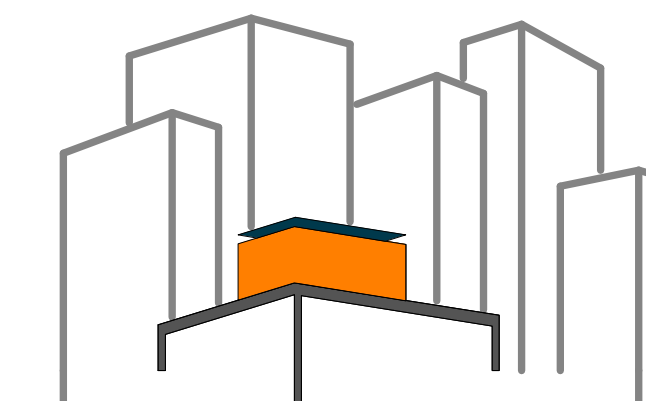
SCALE: 1/2"=1'-0"

PLAN #:

S-006.01



A1 GROUND CONTACT SOIL BEARING PRESSURE
1/4" = 1'-0"



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

cnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: SELTON NG

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:53:44 PM

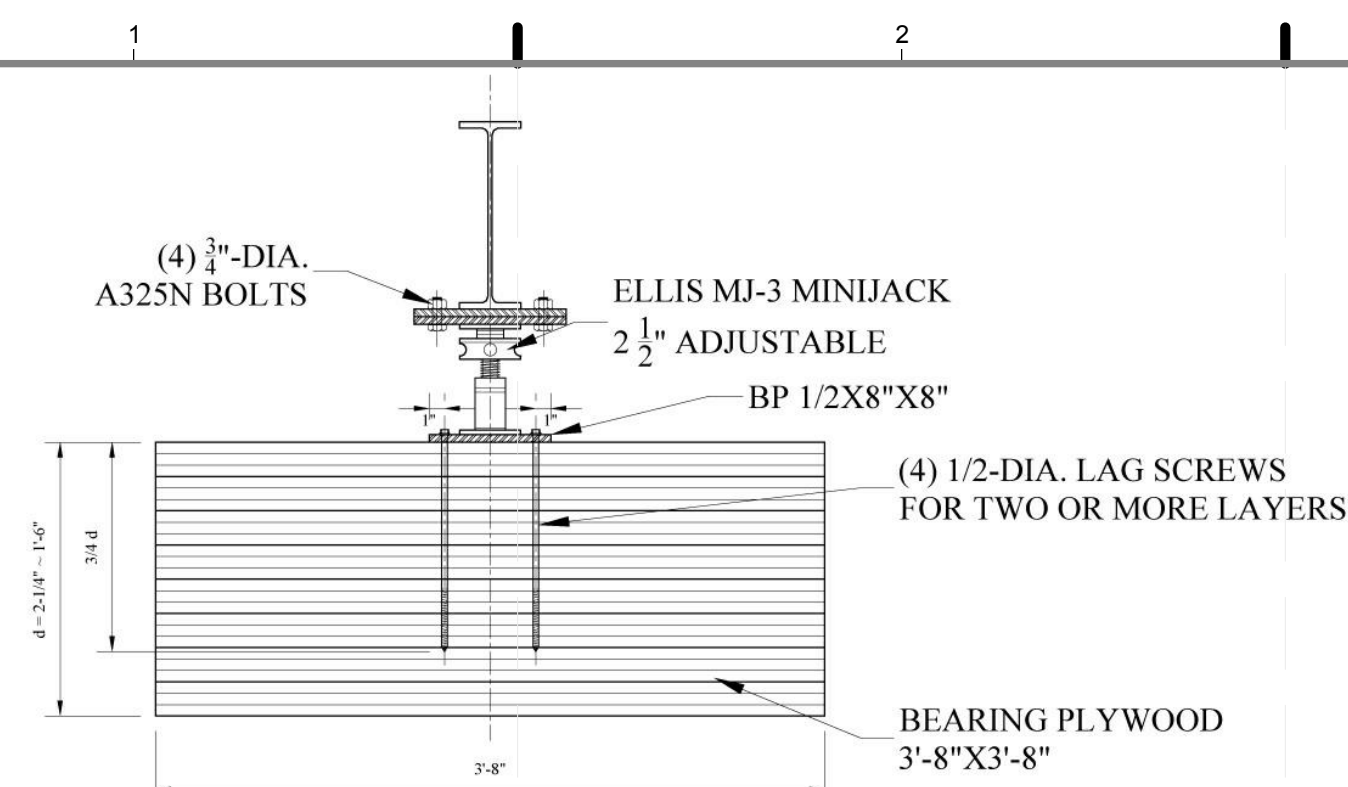
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
**SHIMMING
CONDITIONS**

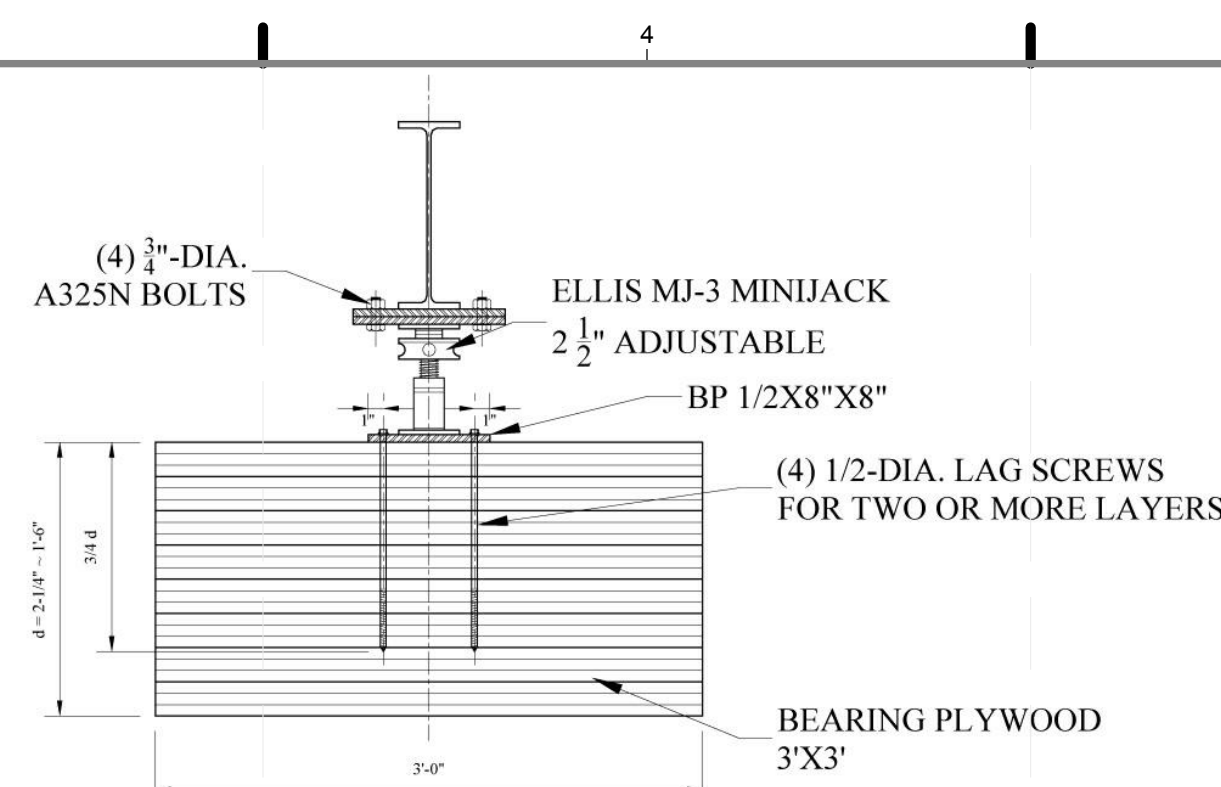
SCALE: AS INDICATED

PLAN #:

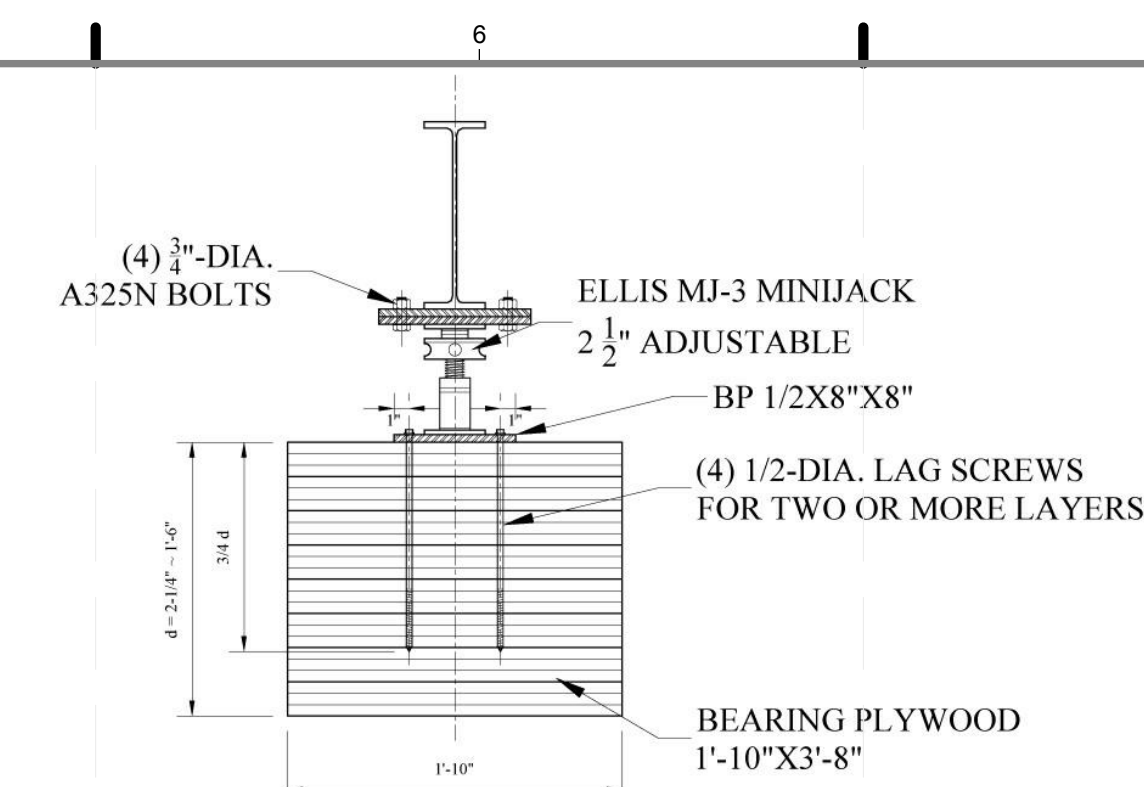
S-007.01



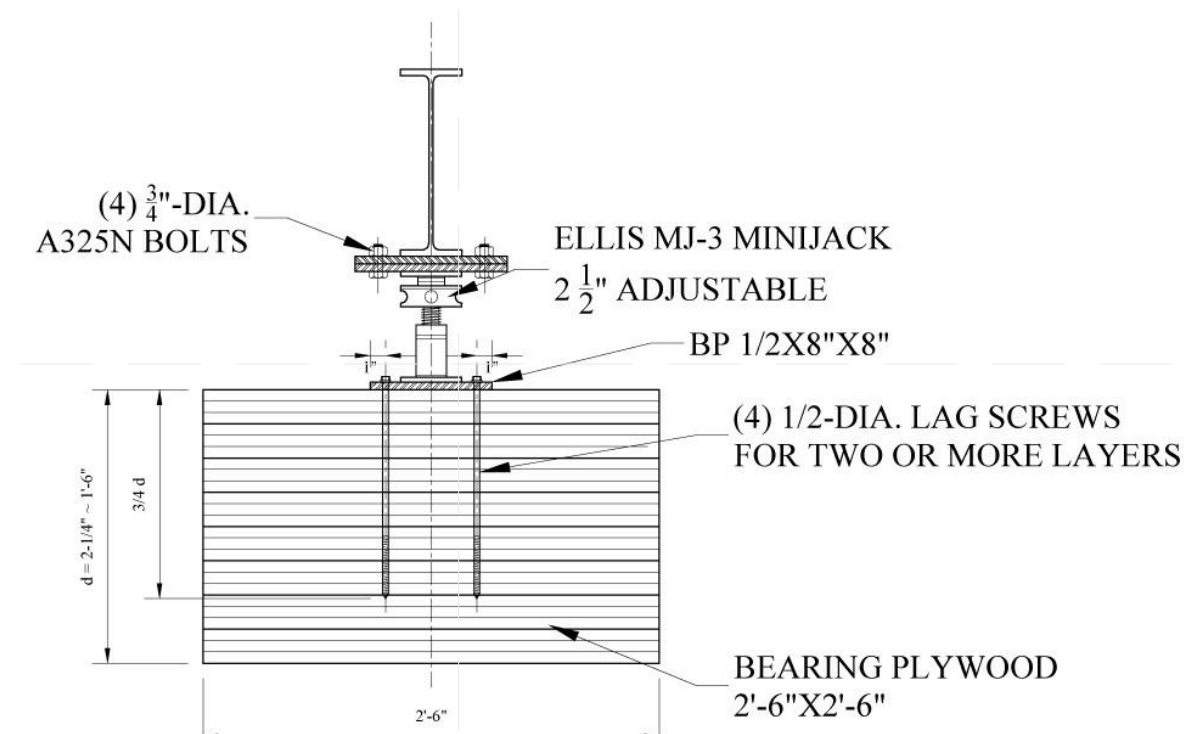
BEARING TYPE B-1
SCALE : 1" = 1'-0"



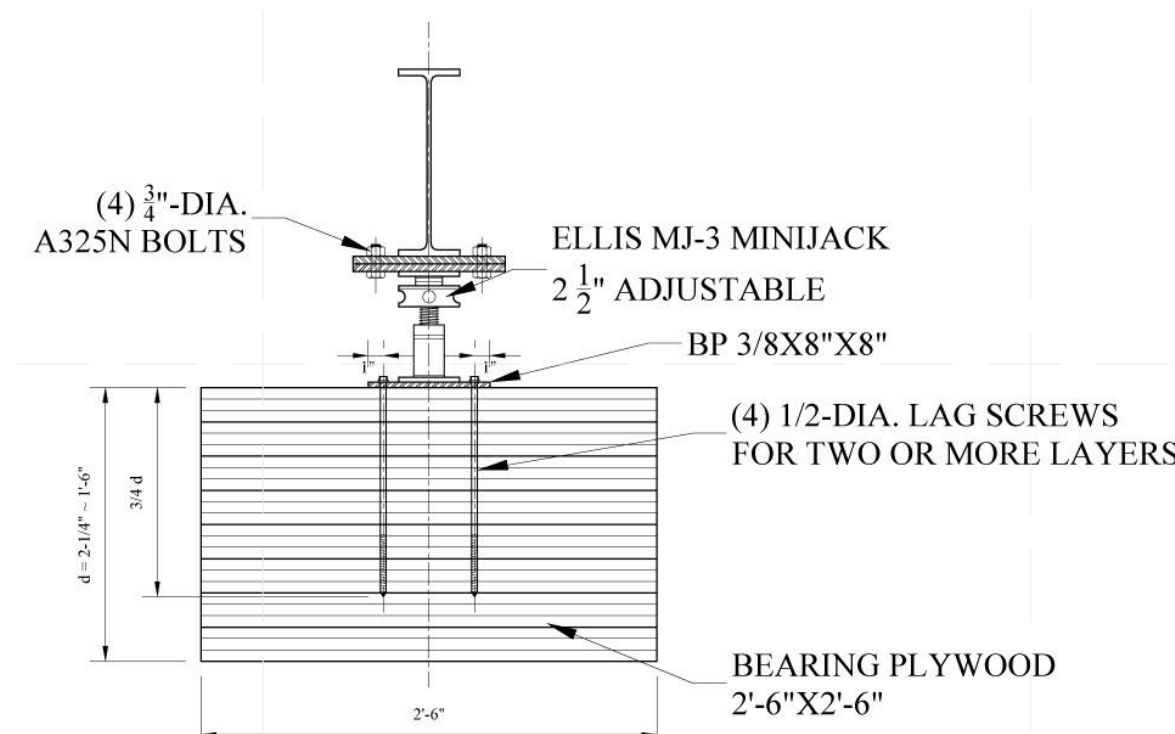
BEARING TYPE B-2
SCALE : 1" = 1'-0"



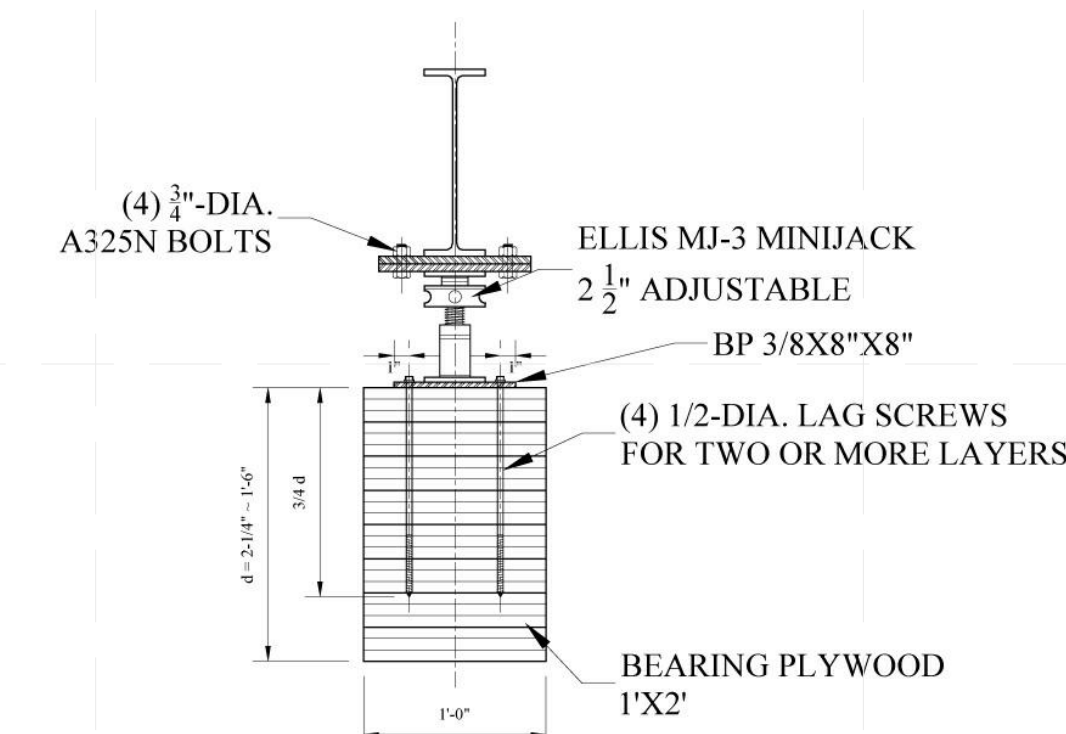
BEARING TYPE B-3
SCALE : 1" = 1'-0"



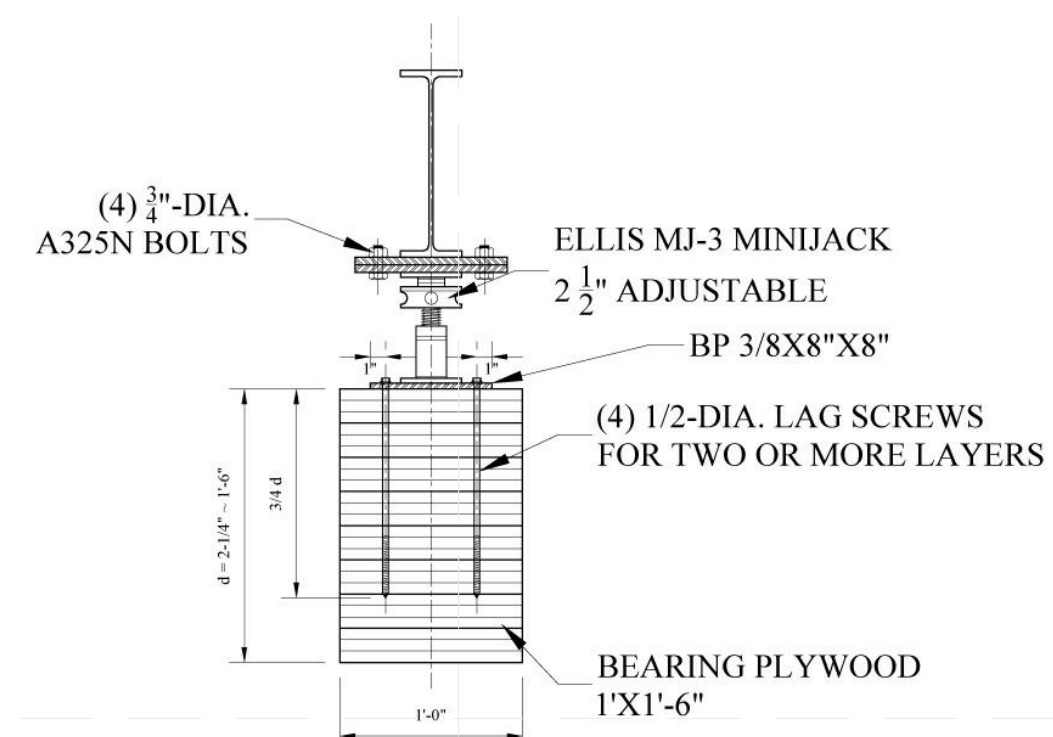
BEARING TYPE B-4
SCALE : 1" = 1'-0"



BEARING TYPE B-5
SCALE : 1" = 1'-0"



BEARING TYPE B-6
SCALE : 1" = 1'-0"



BEARING TYPE B-6
SCALE : 1" = 1'-0"

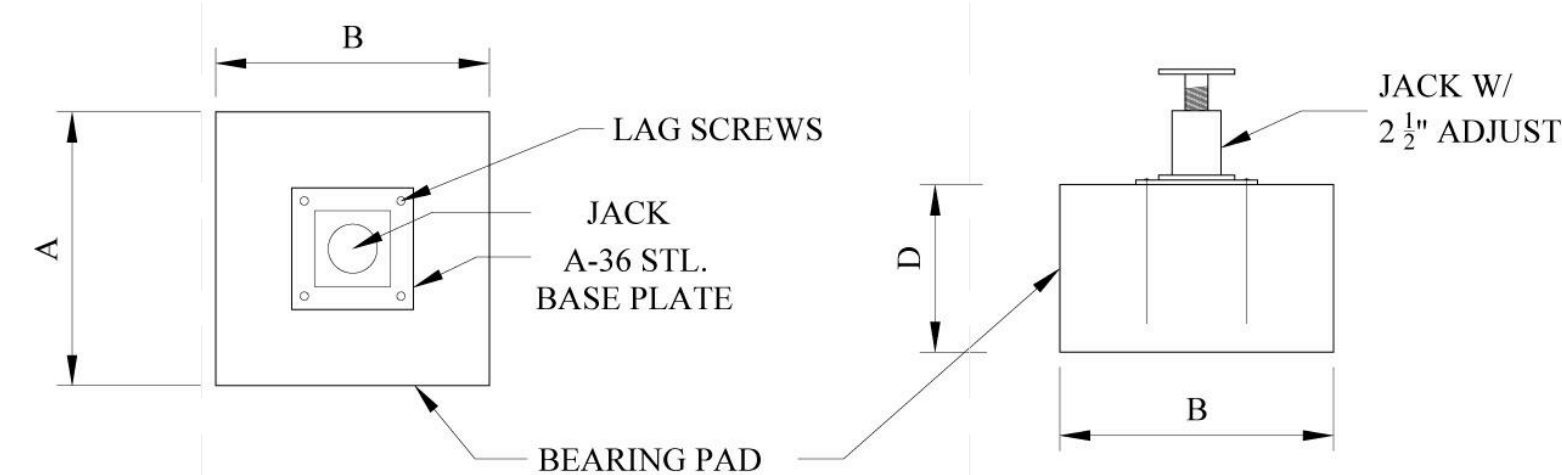
BEARING SCHEDULE

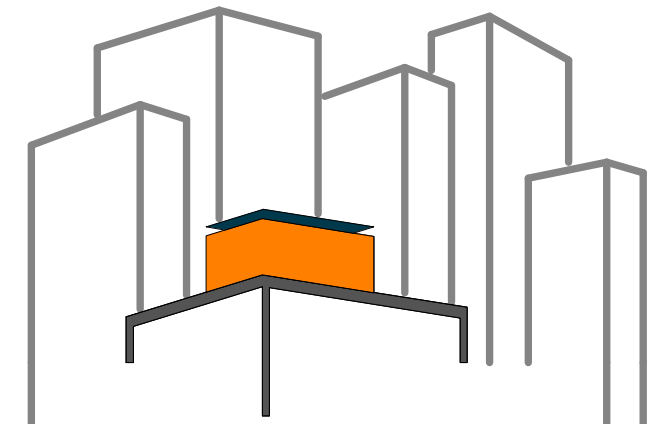
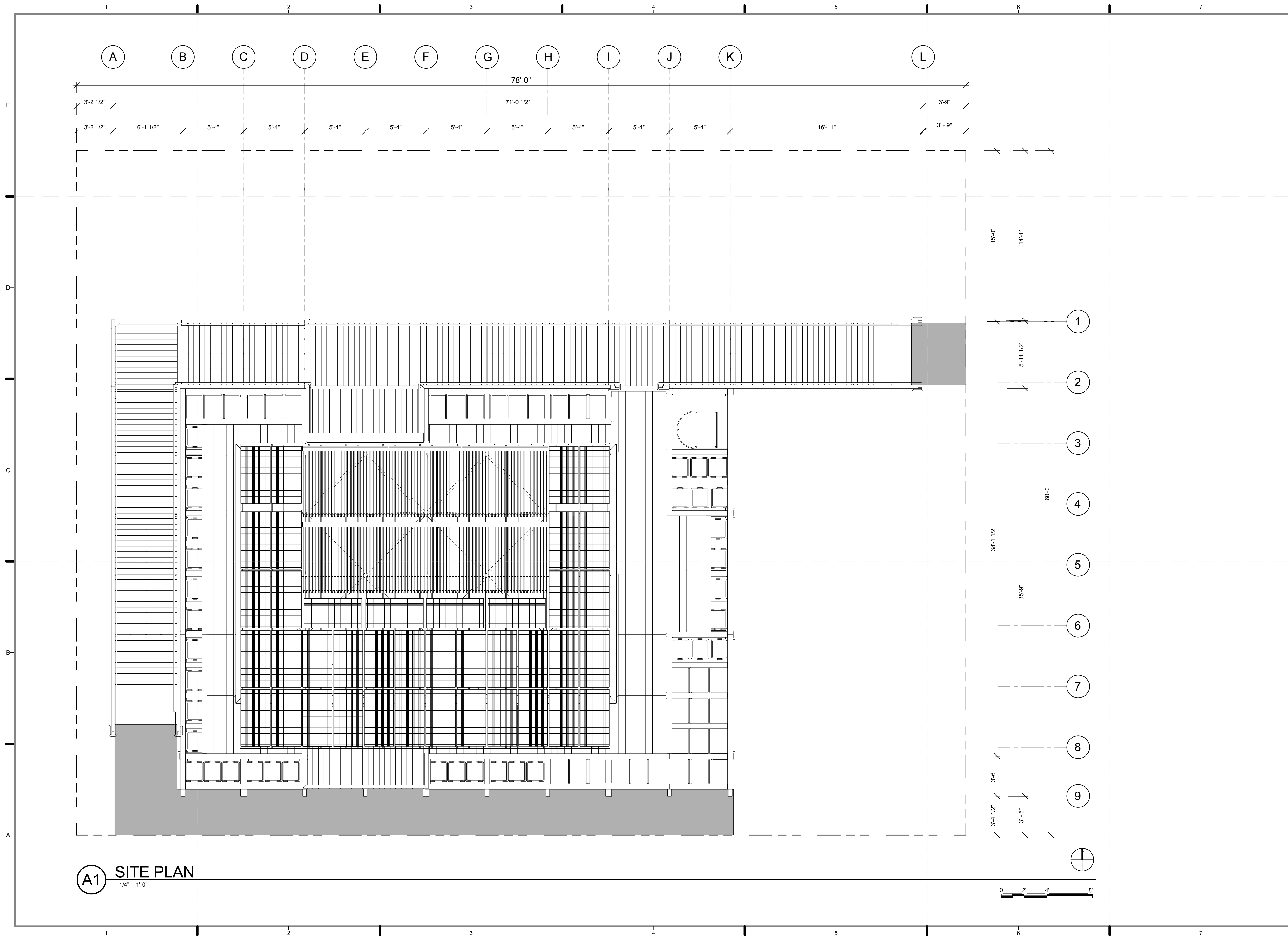
TYPE	TOTAL	DIMENSIONS			JACK		LAG SCREW	BASE PLATE (INCH)
		A	B	D	CAPACITY (TONS)	NUMBERS		
B1	2	3'-8"	3'-8"	2 1/4" ~ 1'-6"	7.5	2	1/2"x8"x8"	
B2	1	3'-0"	3'-0"		7.5	1	1/2"x8"x8"	
B3	2	1'-10"	3'-8"		7.5	1	1/2"x8"x8"	
B4	5	2'-6"	2'-6"		5	1	1/2"x8"x8"	
B5	9	2'-0"	2'-0"		5	1	3/8"x8"x8"	
B6	6	1'-0"	2'-0"		2	1	3/8"x8"x8"	
B7	7	1'-0"	1'-6"		2	1	3/8"x8"x8"	

NOTES:

Fa = 1500 PSF

DEPTH IS DETERMINED
IN FIELD.





SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 REMOVED GENERAL NOTES

LOT NUMBER: 403
DRAWN BY: YELISA GRULLON
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:31:38 PM

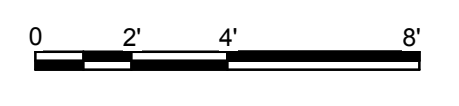
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

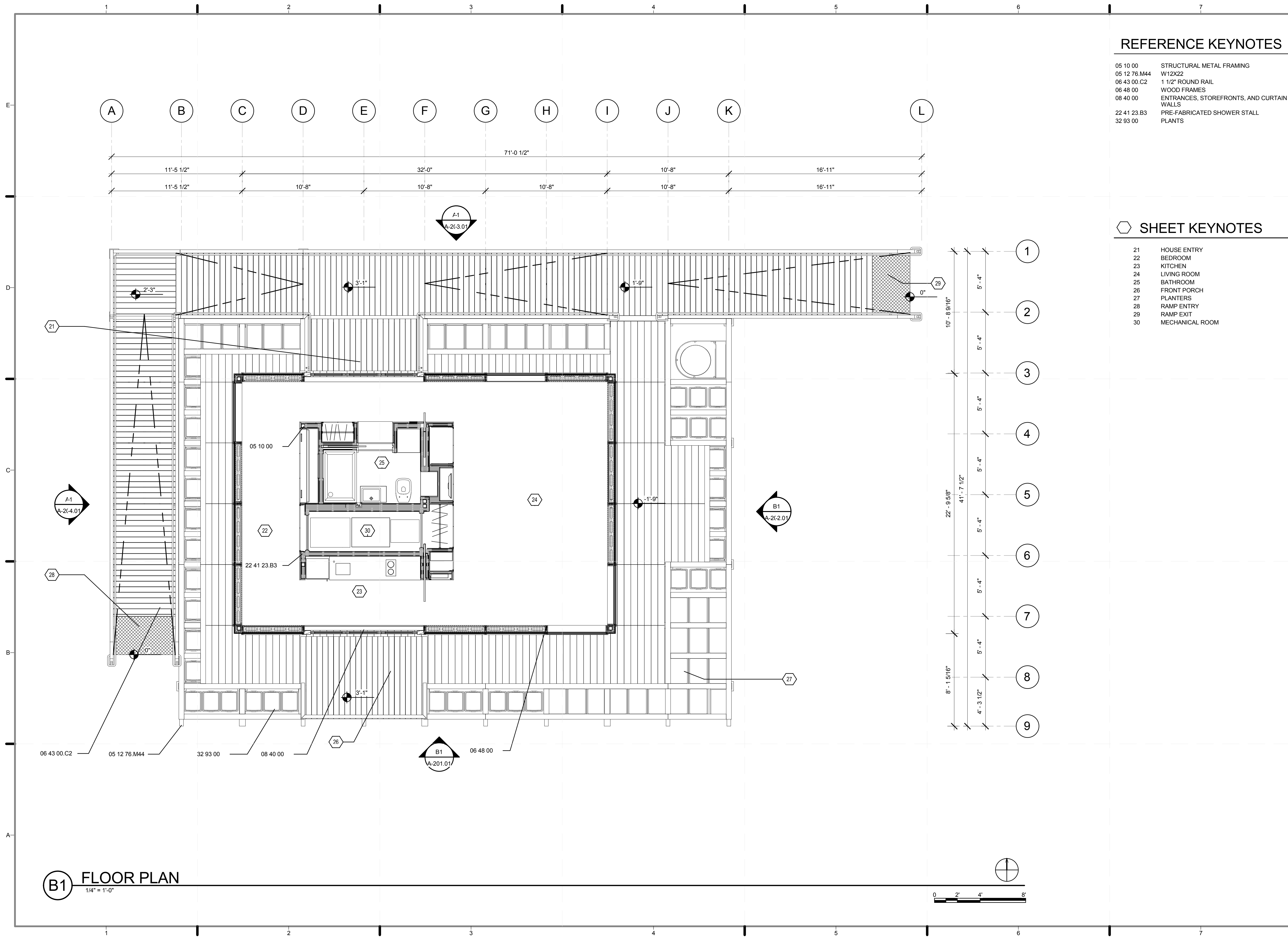
SHEET TITLE:
SITE PLAN

SCALE: 1/4" = 1'-0"
PLAN #:

A-101.02

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



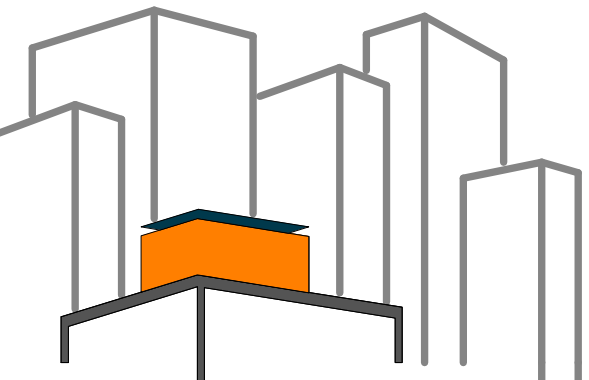


REFERENCE KEYNOTES

05 10 00	STRUCTURAL METAL FRAMING
05 12 76.M44	W12X22
06 43 00.C2	1 1/2" ROUND RAIL
06 48 00	WOOD FRAMES
08 40 00	ENTRANCES, STOREFRONTS, AND CURTAIN WALLS
22 41 23.B3	PRE-FABRICATED SHOWER STALL
32 93 00	PLANTS

SHEET KEYNOTES

21	HOUSE ENTRY
22	BEDROOM
23	KITCHEN
24	LIVING ROOM
25	BATHROOM
26	FRONT PORCH
27	PLANTERS
28	RAMP ENTRY
29	RAMP EXIT
30	MECHANICAL ROOM



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: YELISSA GRULLON
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:31:46 PM

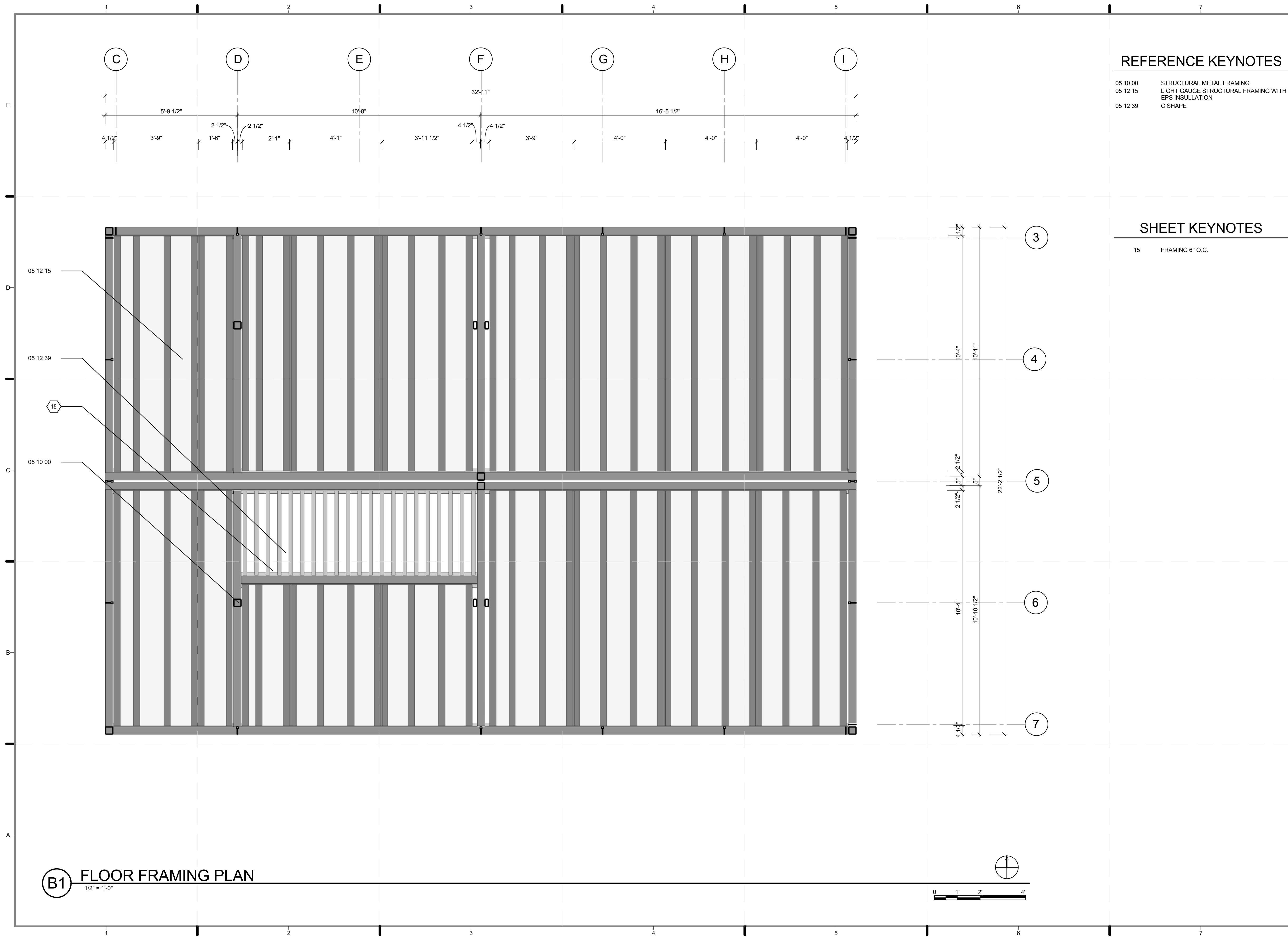
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
FLOOR PLAN

SCALE: 1/4" = 1'-0"
PLAN #:

A-102.01

B1 FLOOR PLAN
1/4" = 1'-0"

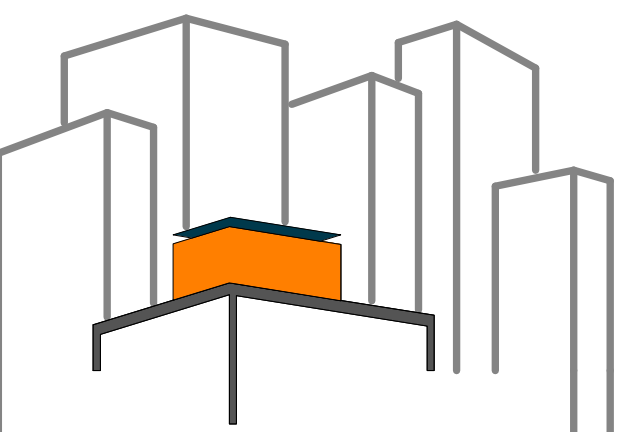


REFERENCE KEYNOTES

05 10 00 STRUCTURAL METAL FRAMING
 05 12 15 LIGHT GAUGE STRUCTURAL FRAMING WITH EPS INSULATION
 05 12 39 C SHAPE

SHEET KEYNOTES

15 FRAMING 6" O.C.



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
 ccnystd1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: SAMUEL MIKHAIL

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:31:56 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

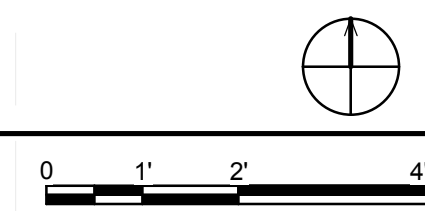
SHEET TITLE:
 FLOOR FRAMING
 PLAN

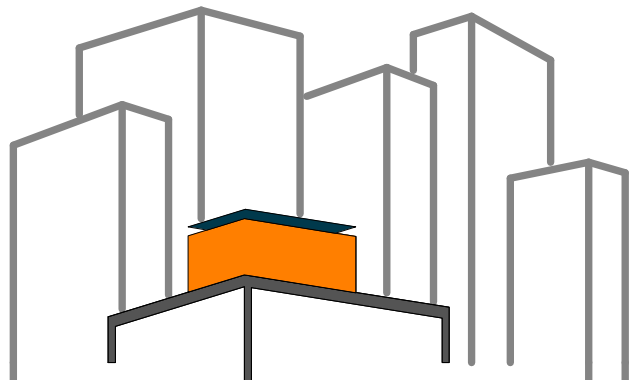
SCALE: 1/2" = 1'-0"

PLAN #:

A-103.01

(B1) FLOOR FRAMING PLAN
 1/2" = 1'-0"





SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: CHRIS HOPSTOCK

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:31:59 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

ROOF PLAN-BELOW
PV ARRAY

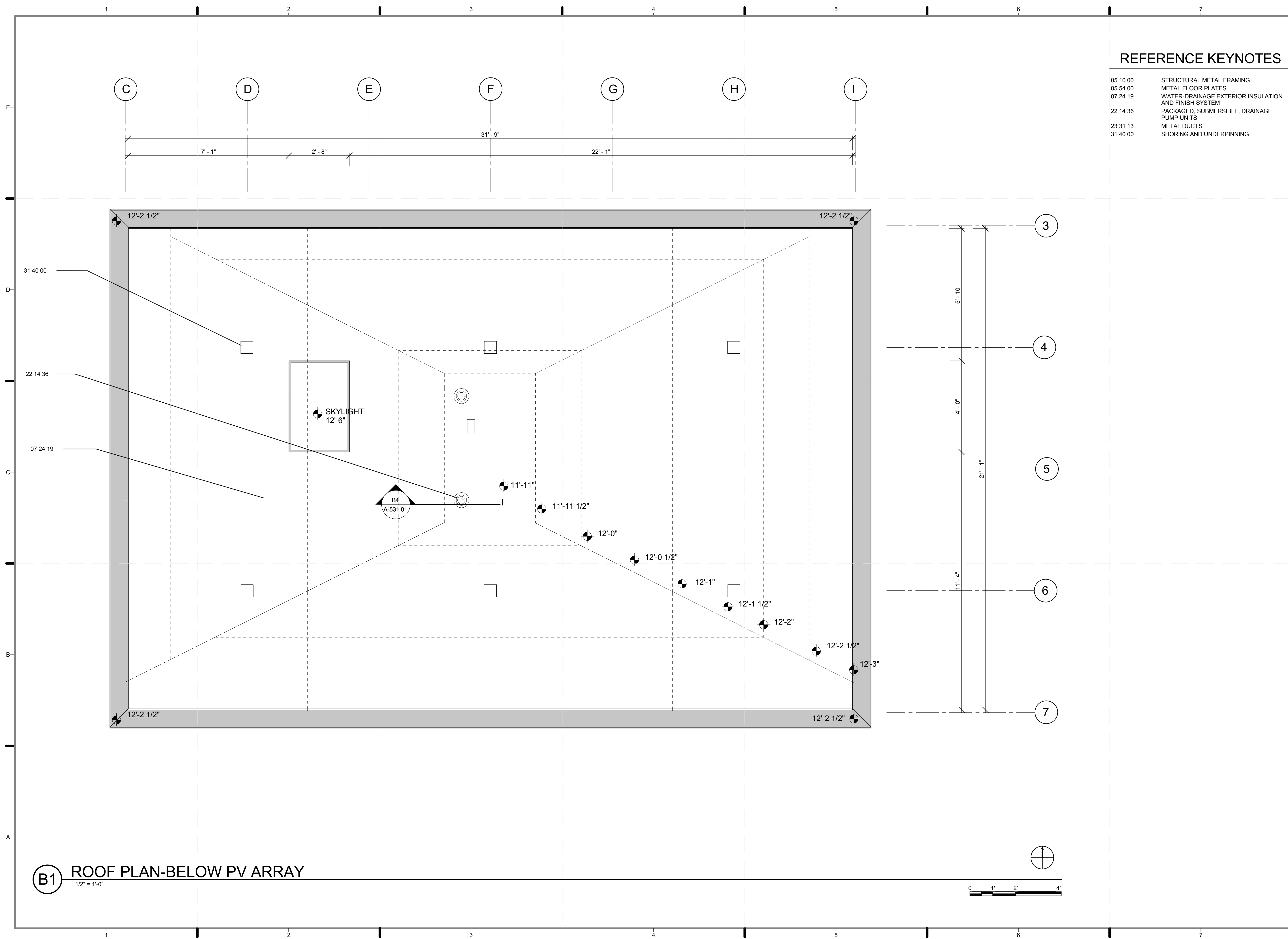
SCALE: 1/2" = 1'-0"

PLAN #:

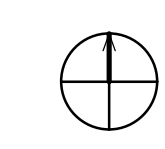
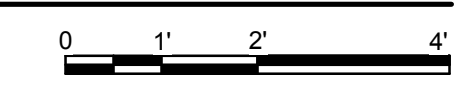
A-121.01

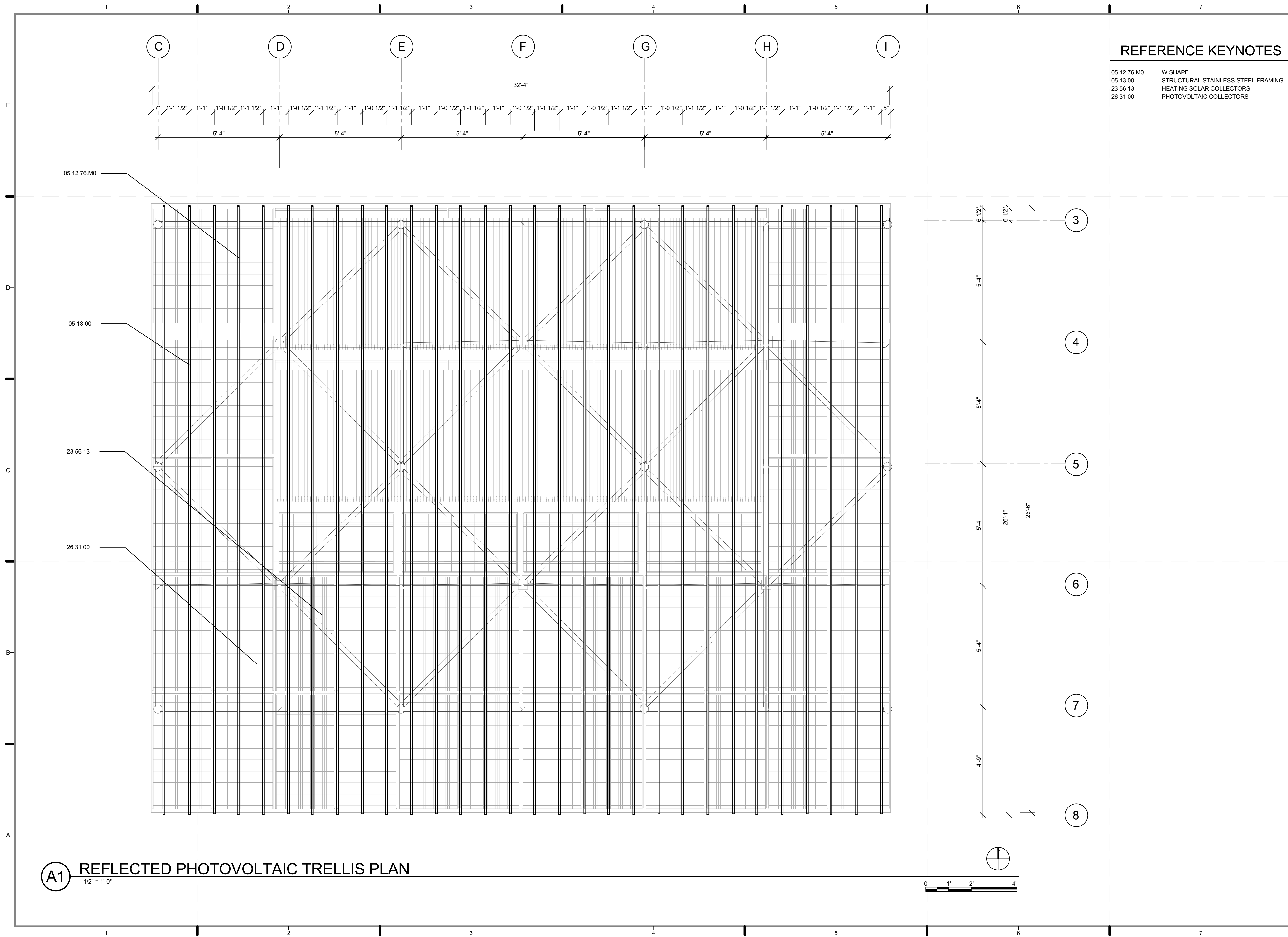
REFERENCE KEYNOTES

- 05 10 00 STRUCTURAL METAL FRAMING
- 05 54 00 METAL FLOOR PLATES
- 07 24 19 WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM
- 22 14 36 PACKAGED, SUBMERSIBLE, DRAINAGE PUMP UNITS
- 23 31 13 METAL DUCTS
- 31 40 00 SHORING AND UNDERPINNING



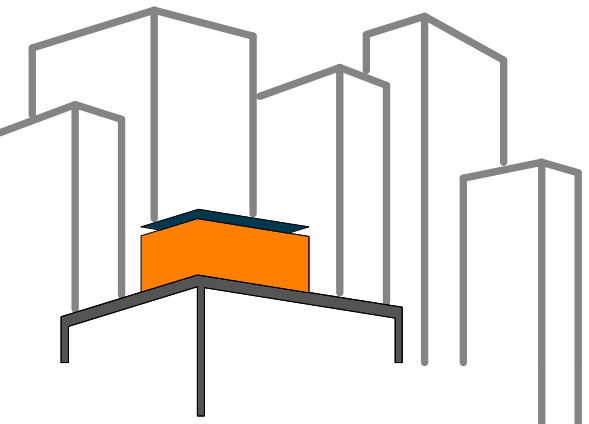
B1 ROOF PLAN-BELOW PV ARRAY
1/2" = 1'-0"





REFERENCE KEYNOTES

05 12 76.M0	W SHAPE
05 13 00	STRUCTURAL STAINLESS-STEEL FRAMING
23 56 13	HEATING SOLAR COLLECTORS
26 31 00	PHOTOVOLTAIC COLLECTORS



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
cnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

2 8/8/2011 REVISED PANEL LAYOUT

LOT NUMBER: 403

DRAWN BY: **CHRIS HOPSTOCK**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:32:03 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

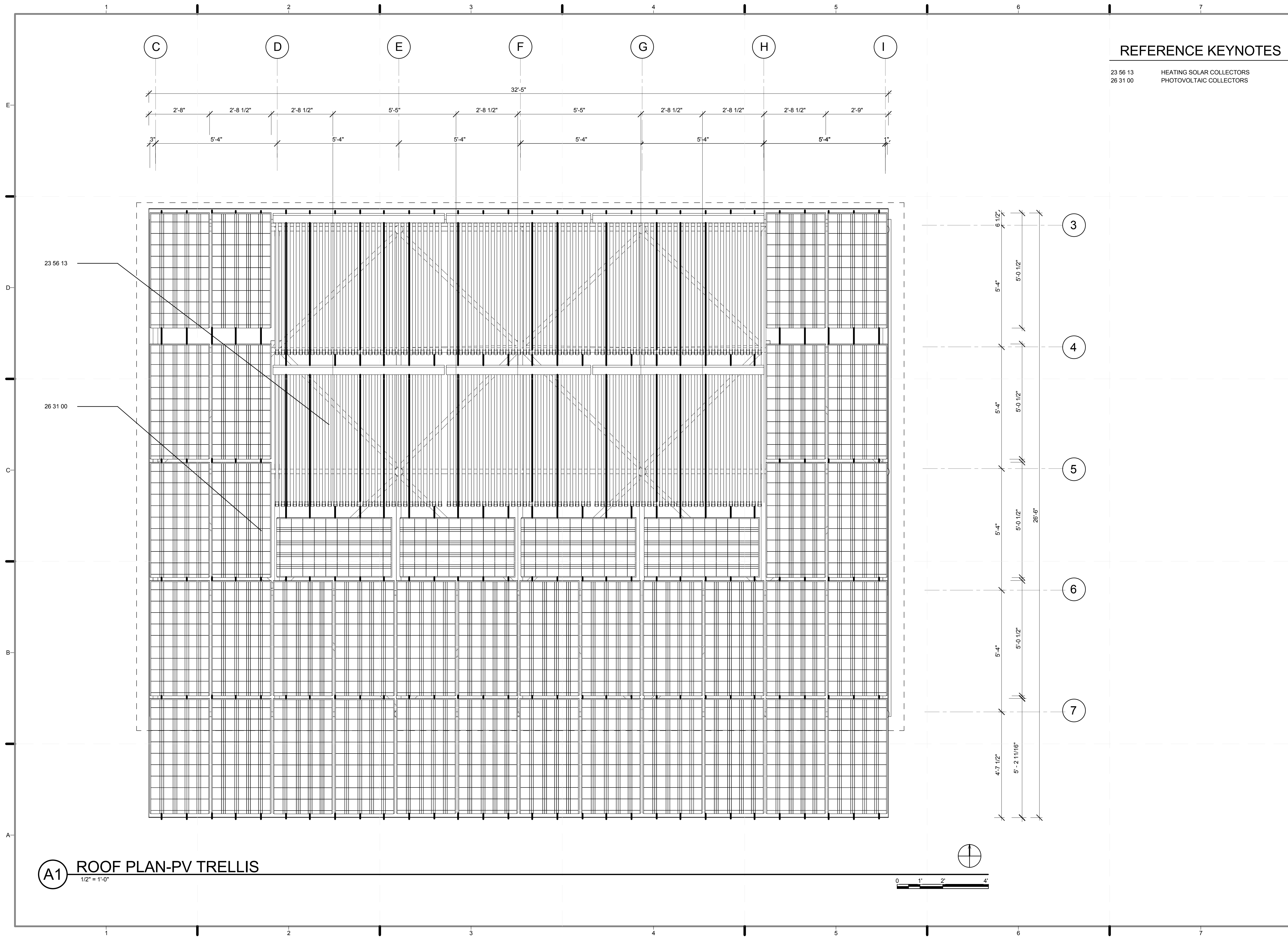
SHEET TITLE:
REFLECTED PHOTOVOLTAIC TRELLIS

SCALE: **1/2" = 1'-0"**

PLAN #:

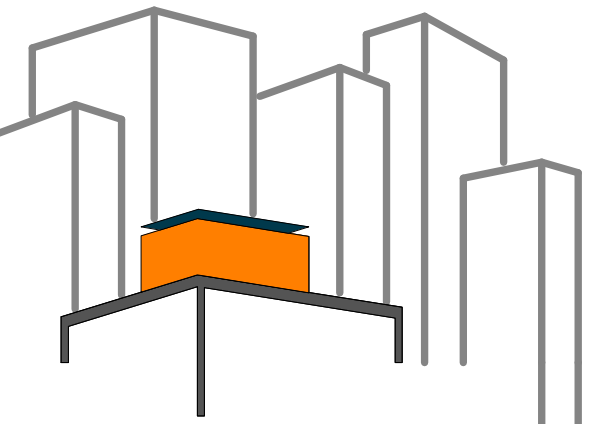
A-122.02

A1 REFLECTED PHOTOVOLTAIC TRELLIS PLAN
1/2" = 1'-0"



REFERENCE KEYNOTES

23 56 13 HEATING SOLAR COLLECTORS
 26 31 00 PHOTOVOLTAIC COLLECTORS



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
 ccnystd1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

2 8/8/2011 REVISED PANEL LAYOUT

LOT NUMBER: 403

DRAWN BY: CHRIS HOPSTOCK

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:32:08 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

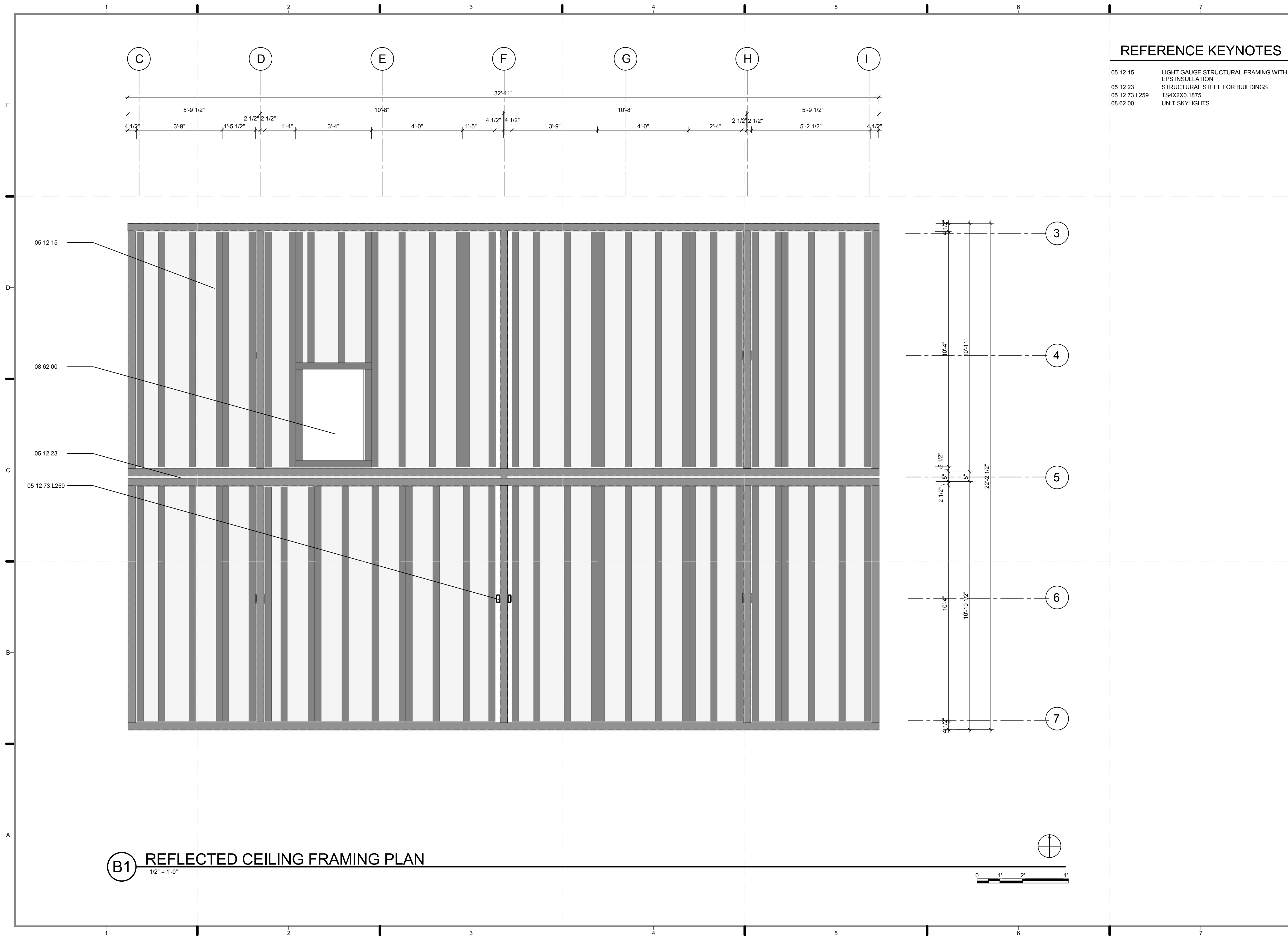
SHEET TITLE:
 ROOF PLAN-PV
 TRELLIS

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

PLAN #:

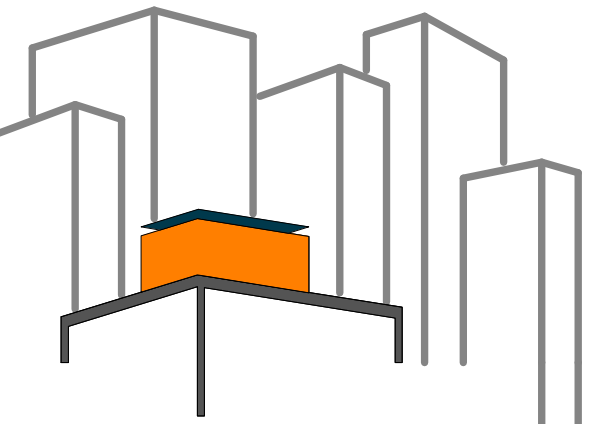
A-123.02

A1 ROOF PLAN-PV TRELLIS
 1/2" = 1'-0"



REFERENCE KEYNOTES

- 05 12 15 LIGHT GAUGE STRUCTURAL FRAMING WITH EPS INSULATION
- 05 12 23 STRUCTURAL STEEL FOR BUILDINGS
- 05 12 73.L259 TS4X2X0.1875
- 08 62 00 UNIT SKYLIGHTS



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **SAMUEL MIKHAIL**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:32:17 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

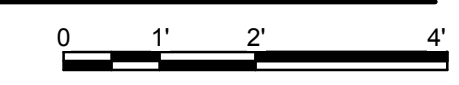
SHEET TITLE:
REFLECTED
CEILING FRAMING
PLAN

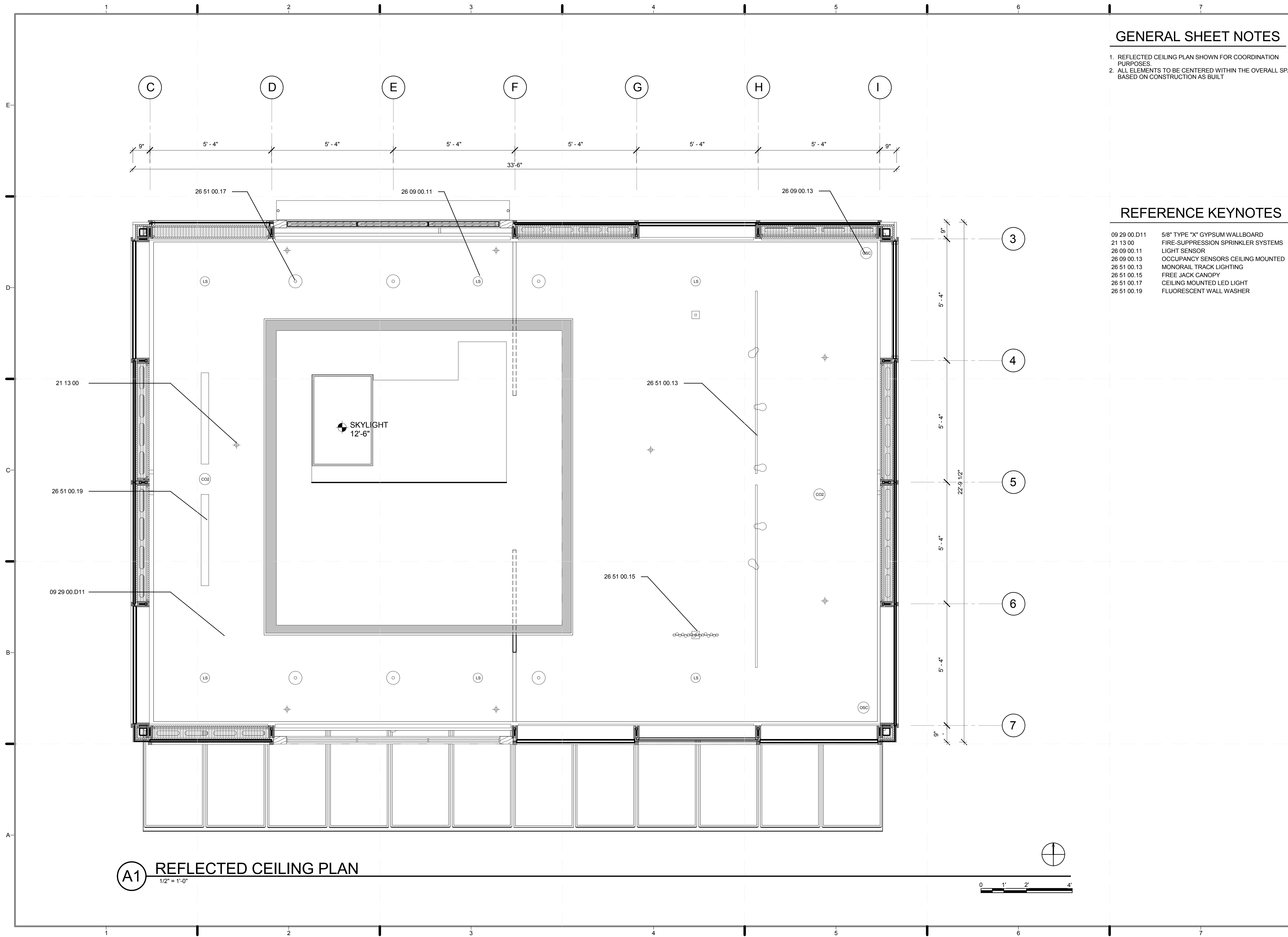
SCALE: **1/2" = 1'-0"**

PLAN #:

A-124.01

B1 REFLECTED CEILING FRAMING PLAN
1/2" = 1'-0"





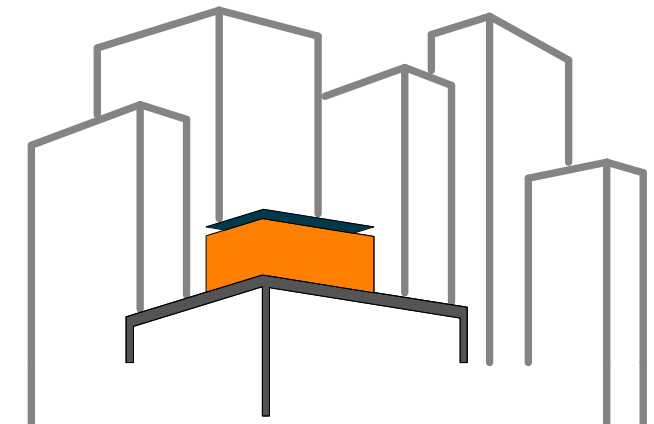
A1 REFLECTED CEILING PLAN
1/2" = 1'-0"

GENERAL SHEET NOTES

1. REFLECTED CEILING PLAN SHOWN FOR COORDINATION PURPOSES.
2. ALL ELEMENTS TO BE CENTERED WITHIN THE OVERALL SPACE BASED ON CONSTRUCTION AS BUILT

REFERENCE KEYNOTES

09 29 00.D11	5/8" TYPE "X" GYPSUM WALLBOARD
21 13 00	FIRE-SUPPRESSION SPRINKLER SYSTEMS
26 09 00.11	LIGHT SENSOR
26 09 00.13	OCCUPANCY SENSORS CEILING MOUNTED
26 51 00.13	MONORAIL TRACK LIGHTING
26 51 00.15	FREE JACK CANOPY
26 51 00.17	CEILING MOUNTED LED LIGHT
26 51 00.19	FLUORESCENT WALL WASHER



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

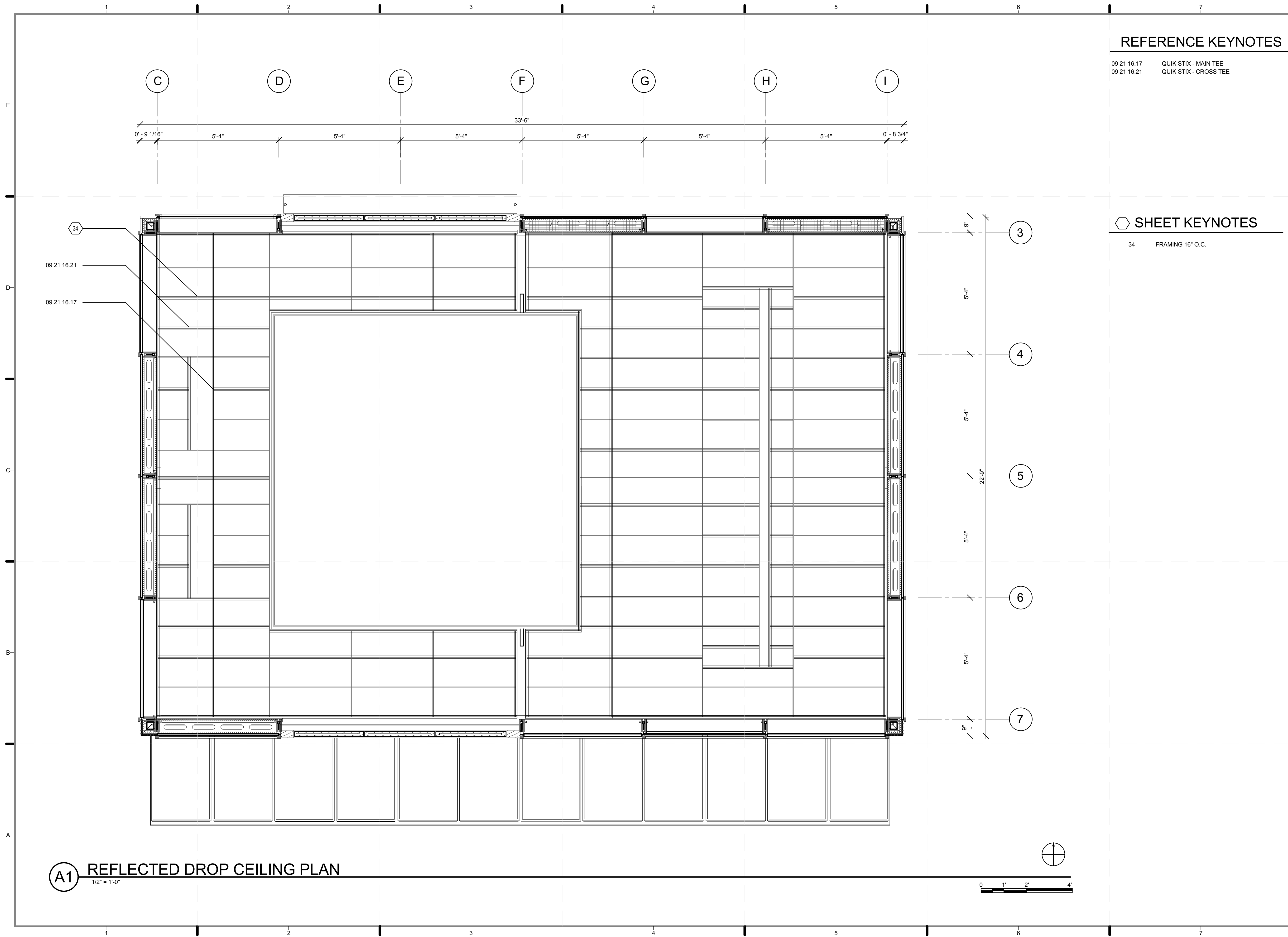
LOT NUMBER: 403
DRAWN BY: ISKRA PETROVA
CHECKED BY: CHRISTIAN VOLKMANN
DATE: 8/12/2011 10:32:23 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
REFLECTED CEILING PLAN

SCALE: 1/2" = 1'-0"
PLAN #:

A-125.01



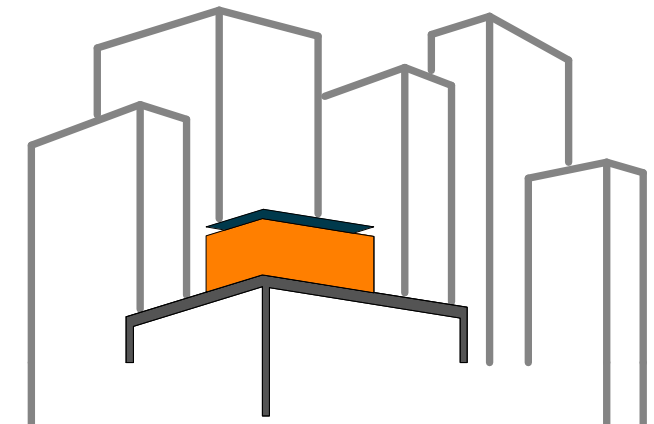
REFERENCE KEYNOTES

09 21 16.17 QUIK STIX - MAIN TEE
 09 21 16.21 QUIK STIX - CROSS TEE

SHEET KEYNOTES

34 FRAMING 16" O.C.

A1 REFLECTED DROP CEILING PLAN
 1/2" = 1'-0"



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
 ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ISKRA PETROVA

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:32:28 PM

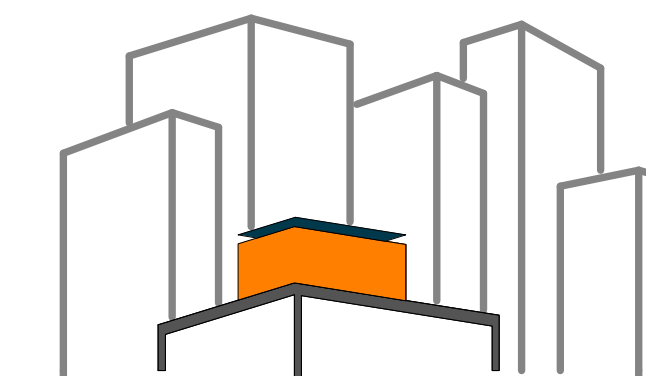
2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 REFLECTED DROP
 CEILING PLAN

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

PLAN #:

A-126.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

GENERAL SHEET NOTES

- 1. MODULE 1 SEE DRAWING A 601.01
- 2. MODULE 2 SEE DRAWING A 601.01
- 3. MODULE 3 SEE DRAWING A 601.01
- 4. MODULE 4 SEE DRAWING A 601.01
- 5. UNIT S1 SEE DRAWING A 601.00

REFERENCE KEYNOTES

- 07 50 00 MEMBRANE ROOFING
- 08 40 00 ENTRANCES, STOREFRONTS, AND CURTAIN WALLS
- 08 88 49 RADIATION-RESISTANT GLAZING

SHEET KEYNOTES

- 31 VACUREX (INSULATED PANEL)
- 32 DECOREX J (INTEGRATED BLINDS)
- 33 RETROFLEX (RE-DIRECTING GLASS)

LEGEND

- 1 MODULE 1
- 2 MODULE 2
- 3 MODULE 3
- 4 MODULE 4
- S1 UNIT 1

LOT NUMBER: 403

DRAWN BY: JOHN VLAKAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:32:40 PM

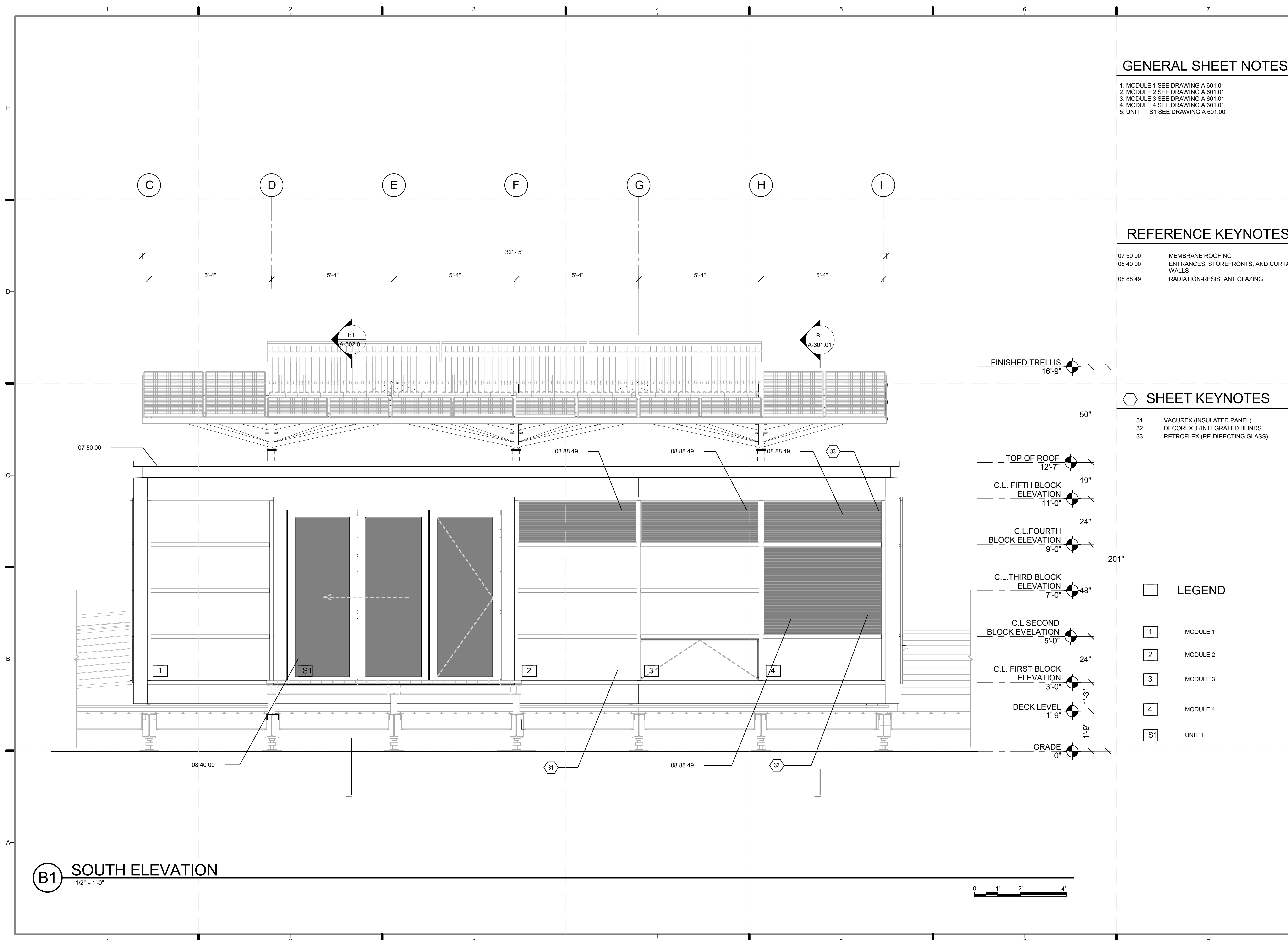
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SOUTH ELEVATION

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

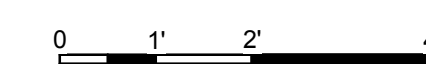
PLAN #:

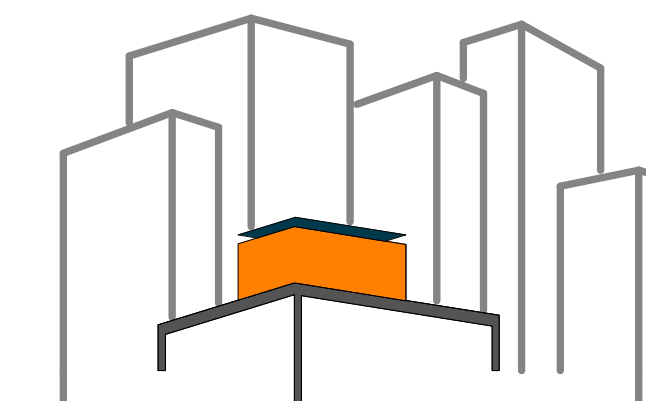
A-201.01



B1 SOUTH ELEVATION

1/2" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

GENERAL SHEET NOTES

1. MODULE 5 SEE DRAWING A 601.01
2. MODULE 6 SEE DRAWING A 601.01
3. MODULE 7 SEE DRAWING A 601.01
4. MODULE 8 SEE DRAWING A 601.01

REFERENCE KEYNOTES

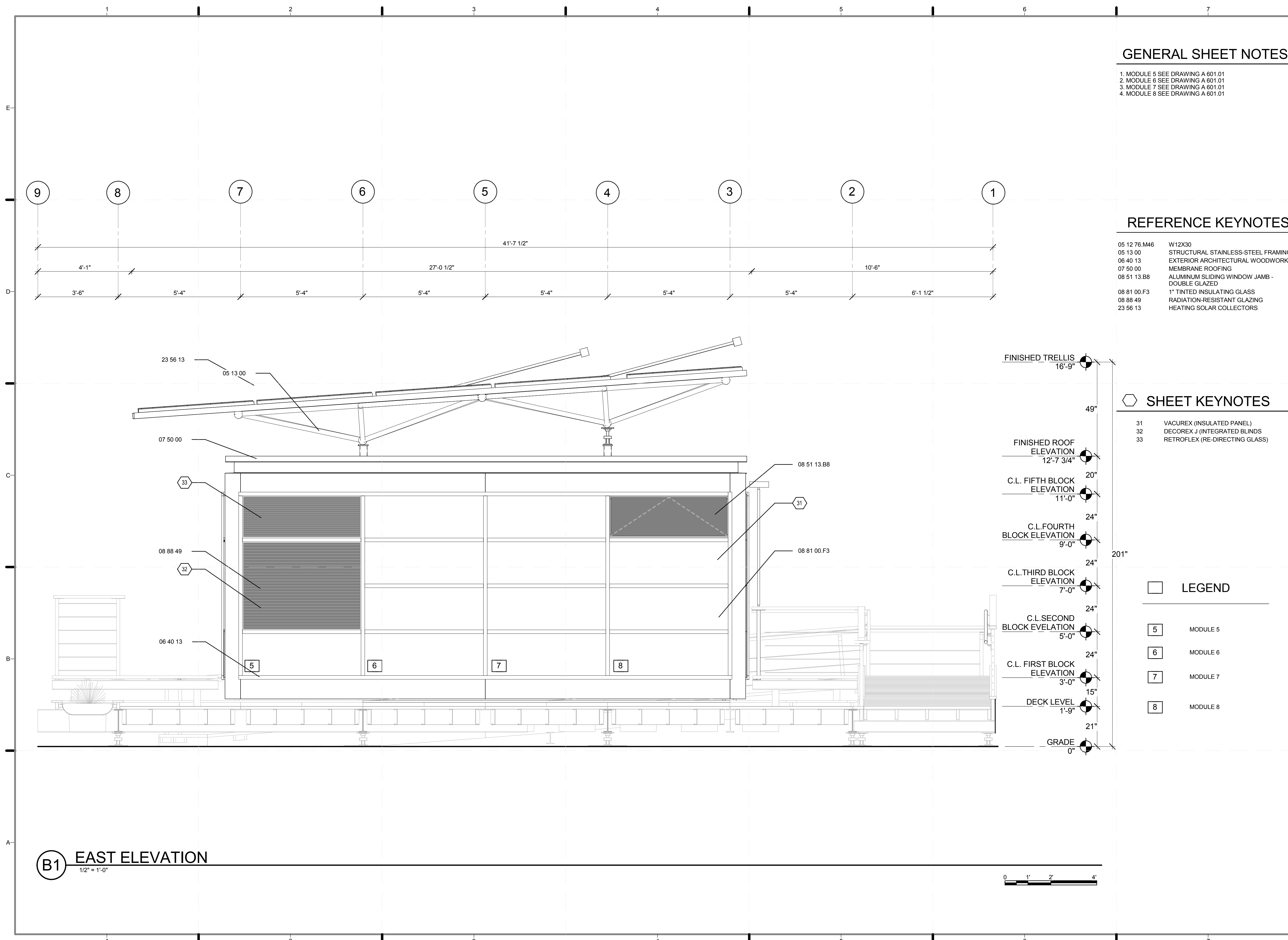
- | | |
|--------------|--|
| 05 12 76.M46 | W12X30 |
| 05 13 00 | STRUCTURAL STAINLESS-STEEL FRAMING |
| 06 40 13 | EXTERIOR ARCHITECTURAL WOODWORK |
| 07 50 00 | MEMBRANE ROOFING |
| 08 51 13.B8 | ALUMINUM SLIDING WINDOW JAMB - DOUBLE GLAZED |
| 08 81 00.F3 | 1" TINTED INSULATING GLASS |
| 08 88 49 | RADIATION-RESISTANT GLAZING |
| 23 56 13 | HEATING SOLAR COLLECTORS |

SHEET KEYNOTES

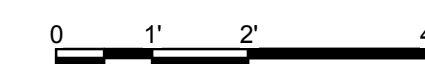
- | | |
|----|--------------------------------|
| 31 | VACUREX (INSULATED PANEL) |
| 32 | DECOREX J (INTEGRATED BLINDS) |
| 33 | RETROFLEX (RE-DIRECTING GLASS) |

LEGEND

- | | |
|---|----------|
| 5 | MODULE 5 |
| 6 | MODULE 6 |
| 7 | MODULE 7 |
| 8 | MODULE 8 |



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

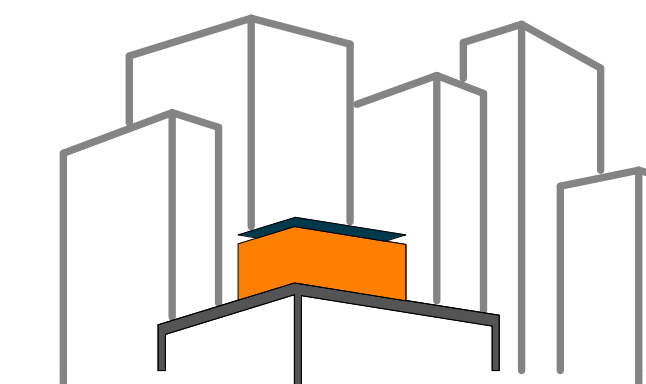


SHEET TITLE:
EAST ELEVATION

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

PLAN #:

A-202.01



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnySD11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

GENERAL SHEET NOTES

1. MODULE 1 SEE DRAWING A 601.01
2. MODULE 2 SEE DRAWING A 601.01
3. MODULE 3 SEE DRAWING A 601.01
4. MODULE 4 SEE DRAWING A 601.01
5. UNIT N1 SEE DRAWING A 601.00

REFERENCE KEYNOTES

- | | |
|--------------|--|
| 05 12 76.M44 | W12X22 |
| 05 13 00 | STRUCTURAL STAINLESS-STEEL FRAMING |
| 06 40 13 | EXTERIOR ARCHITECTURAL WOODWORK |
| 07 50 00 | MEMBRANE ROOFING |
| 08 40 00 | ENTRANCES, STOREFRONTS, AND CURTAIN WALLS |
| 08 51 13.B8 | ALUMINUM SLIDING WINDOW JAMB - DOUBLE GLAZED |
| 08 81 00.F3 | 1" TINTED INSULATING GLASS |
| 23 56 13 | HEATING SOLAR COLLECTORS |

SHEET KEYNOTES

- | | |
|----|---------------------------|
| 31 | VACUREX (INSULATED PANEL) |
|----|---------------------------|

LEGEND

- | | |
|--|-----------|
| | MODULE 9 |
| | MODULE 10 |
| | MODULE 11 |
| | MODULE 12 |
| | UNIT 1 |

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISITAN VOLKMANN

DATE: 8/12/2011 10:33:05 PM

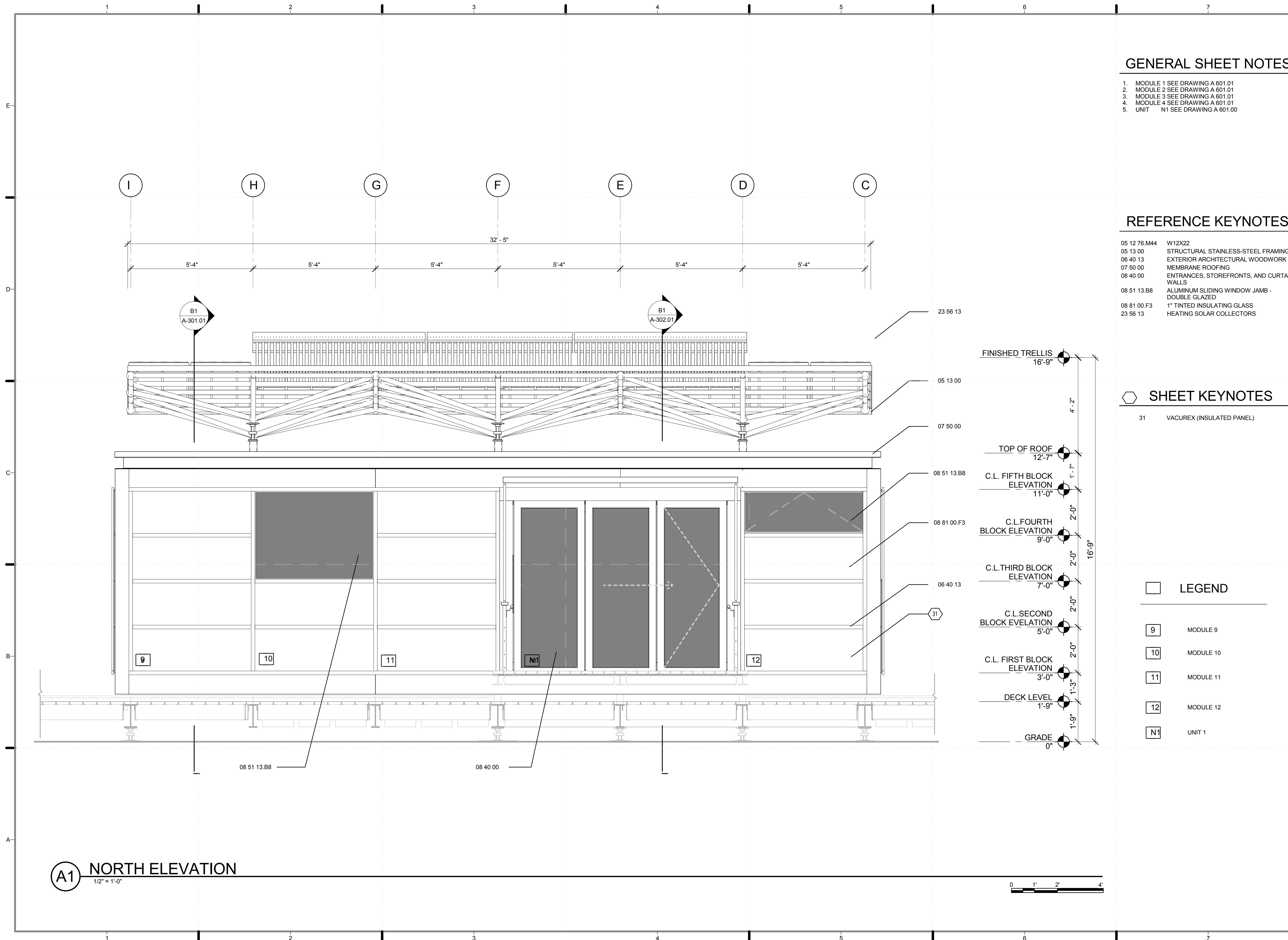
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

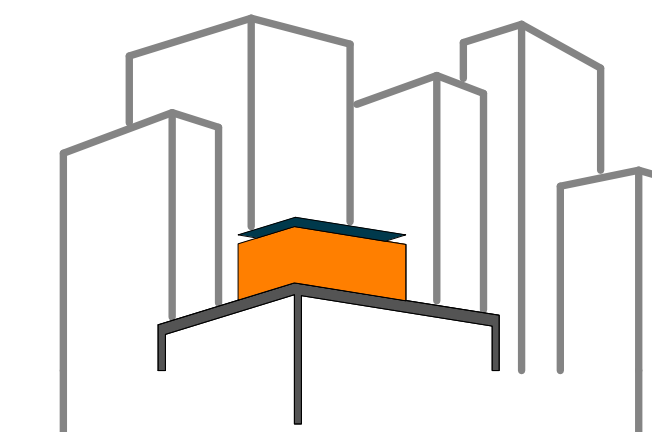
SHEET TITLE:
NORTH ELEVATION

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

PLAN #:

A-203.01





SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **JOHN VLAHAKIS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:33:26 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
WEST ELEVATION

SCALE: **1/2" = 1'-0"**
PLAN #:

A-204.01

GENERAL SHEET NOTES

- 1. MODULE 9 SEE DRAWING A 601.01
- 2. MODULE 10 SEE DRAWING A 601.01
- 3. MODULE 11 SEE DRAWING A 601.01
- 4. MODULE 12 SEE DRAWING A 601.01
- 5. UNIT N1 SEE DRAWING A 601.01

REFERENCE KEYNOTES

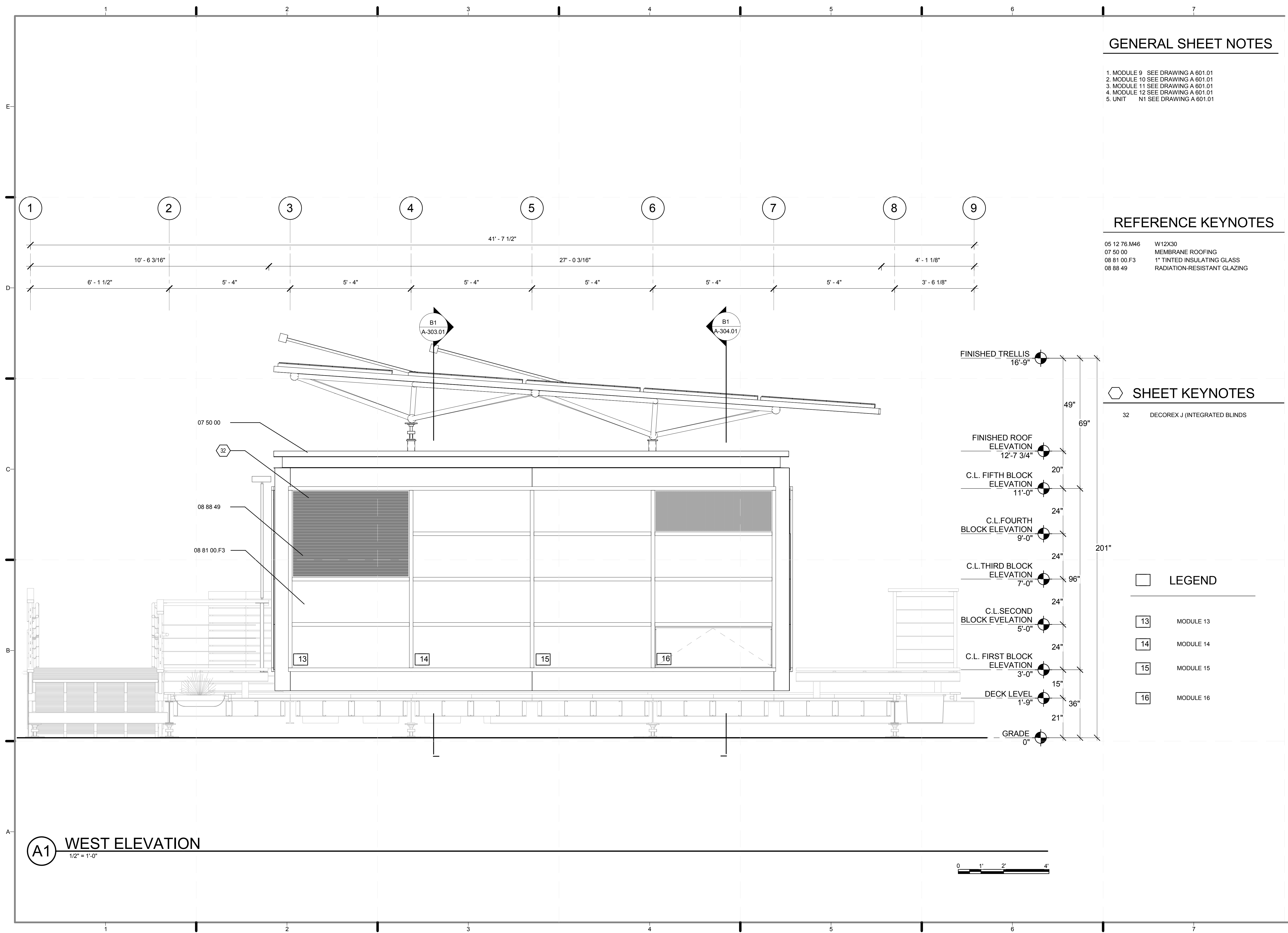
- 05 12 76.M46 W12X30
- 07 50 00 MEMBRANE ROOFING
- 08 81 00.F3 1" TINTED INSULATING GLASS
- 08 88 49 RADIATION-RESISTANT GLAZING

SHEET KEYNOTES

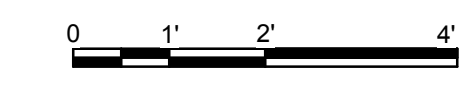
- 32 DECOREX J (INTEGRATED BLINDS)

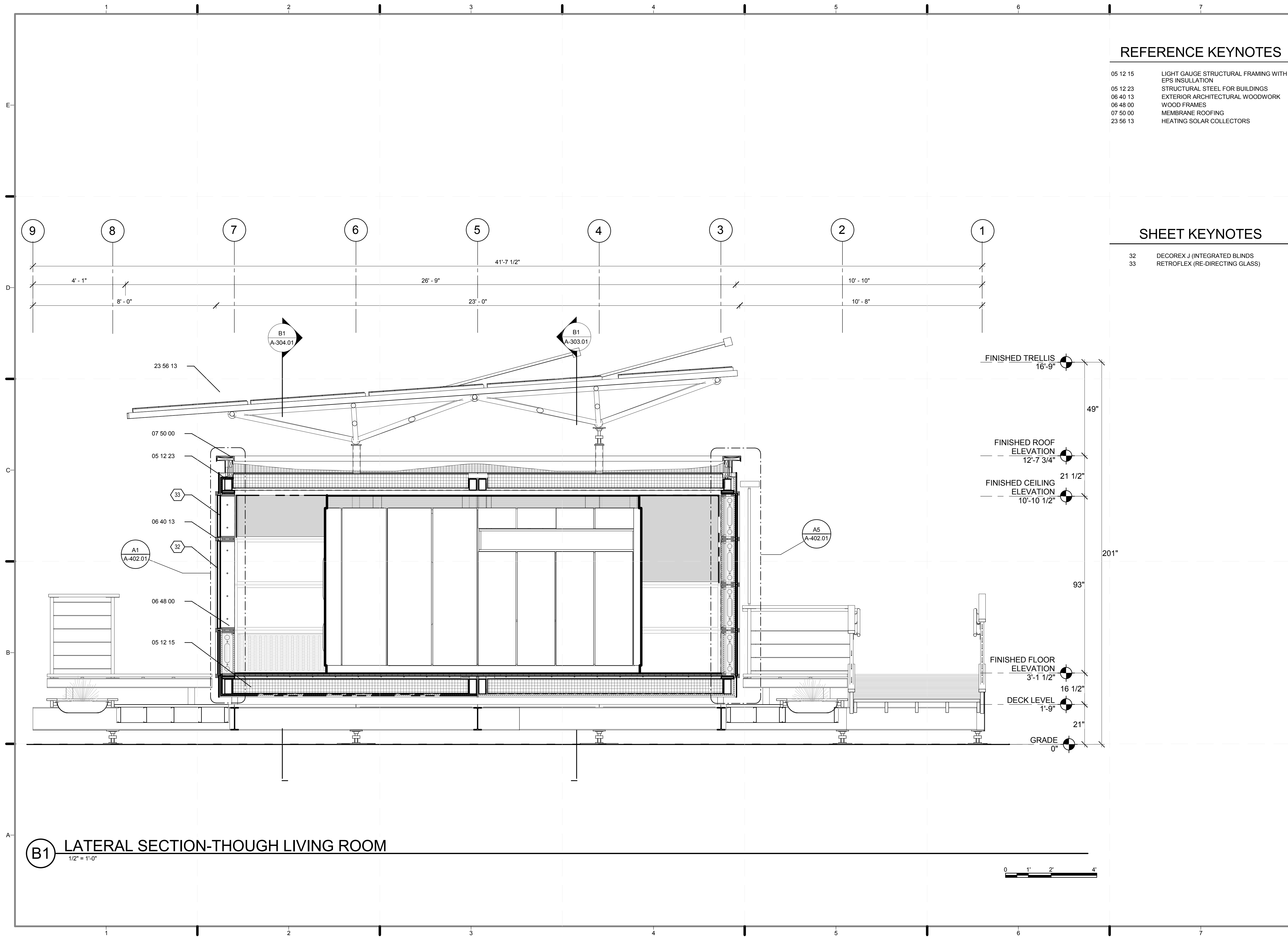
LEGEND

- 13 MODULE 13
- 14 MODULE 14
- 15 MODULE 15
- 16 MODULE 16



A1 WEST ELEVATION
1/2" = 1'-0"



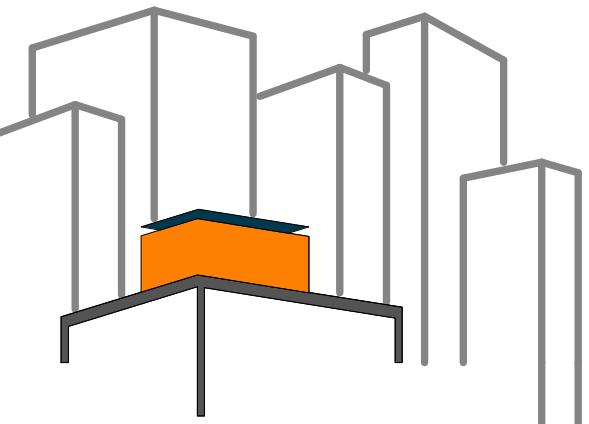


REFERENCE KEYNOTES

- 05 12 15 LIGHT GAUGE STRUCTURAL FRAMING WITH EPS INSULATION
- 05 12 23 STRUCTURAL STEEL FOR BUILDINGS
- 06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
- 06 48 00 WOOD FRAMES
- 07 50 00 MEMBRANE ROOFING
- 23 56 13 HEATING SOLAR COLLECTORS

SHEET KEYNOTES

- 32 DECOREX J (INTEGRATED BLINDS
- 33 RETROFLEX (RE-DIRECTING GLASS)



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:33:43 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

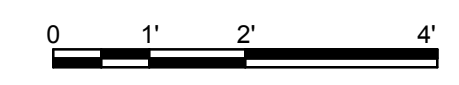
SHEET TITLE:
LATERAL SECTION-THROUGH LIVING ROOM

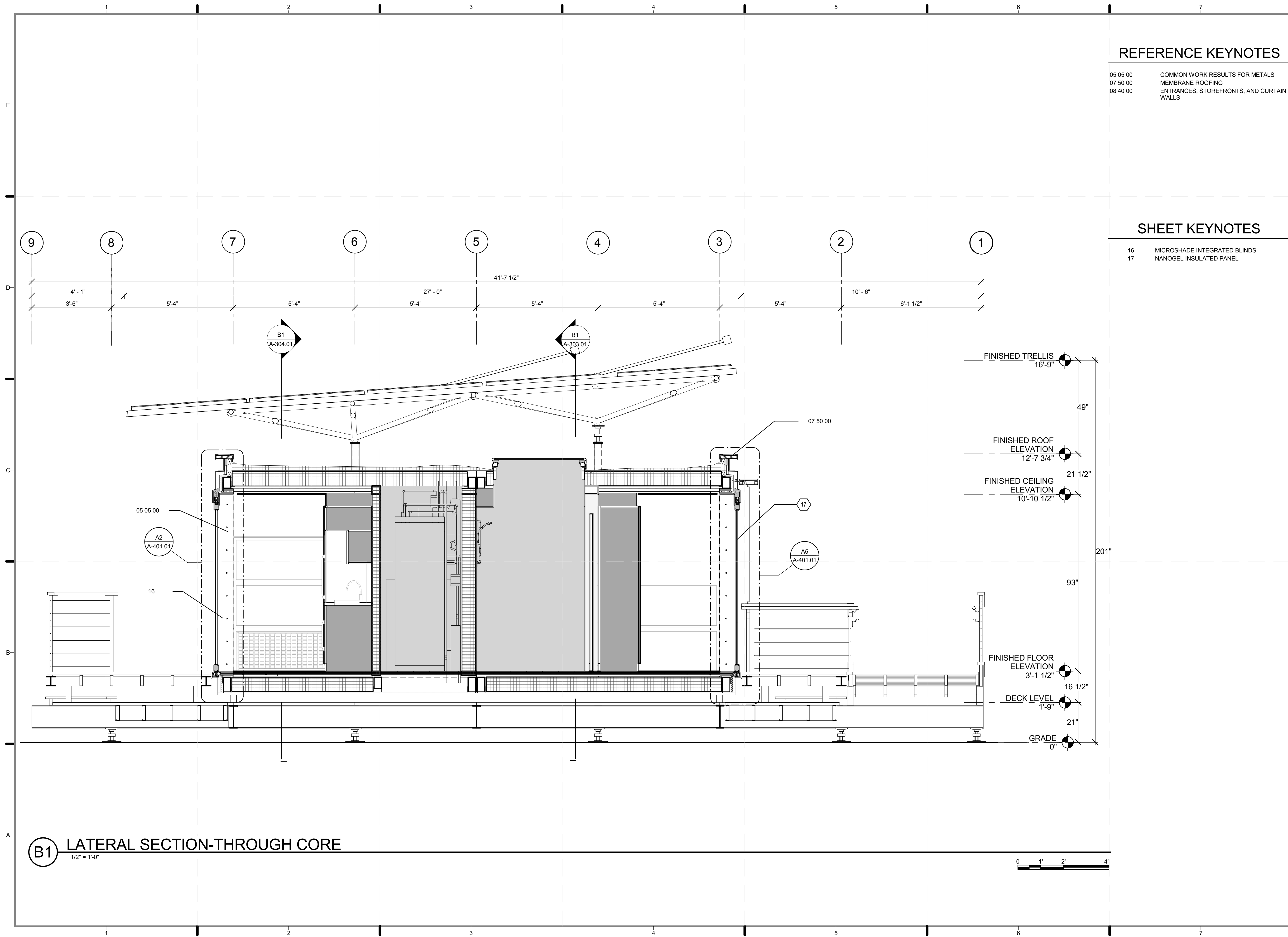
SCALE: 1/2" = 1'-0"

PLAN #:

A-301.01

B1 LATERAL SECTION-THROUGH LIVING ROOM
1/2" = 1'-0"



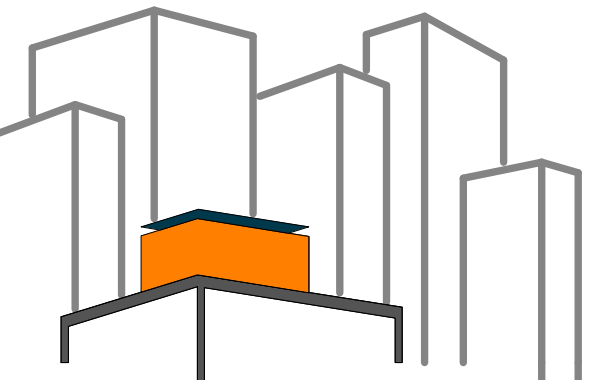


REFERENCE KEYNOTES

05 05 00 COMMON WORK RESULTS FOR METALS
 07 50 00 MEMBRANE ROOFING
 08 40 00 ENTRANCES, STOREFRONTS, AND CURTAIN WALLS

SHEET KEYNOTES

16 MICROSHADE INTEGRATED BLINDS
 17 NANOGEL INSULATED PANEL



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
 DRAWN BY: JOHN VLAKAKIS
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:34:00 PM

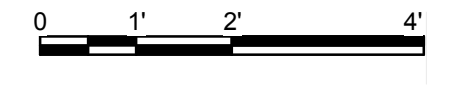
2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

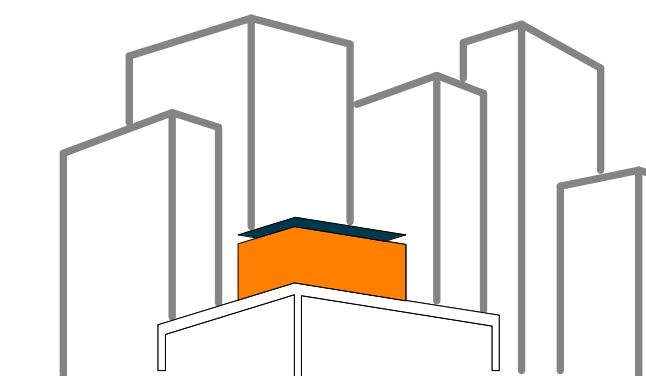
SHEET TITLE:
 LATERAL/
 LOGITUDINAL
 SECTION-THROUGH
 CORE

SCALE: 1/2" = 1'-0"
 PLAN #:

A-302.01

(B1) LATERAL SECTION-THROUGH CORE
 1/2" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnystd1@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAKAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:34:07 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
LONGITUDINAL
SECTION-THROUGH
CORE

SCALE: 1/2"=1'

PLAN #:

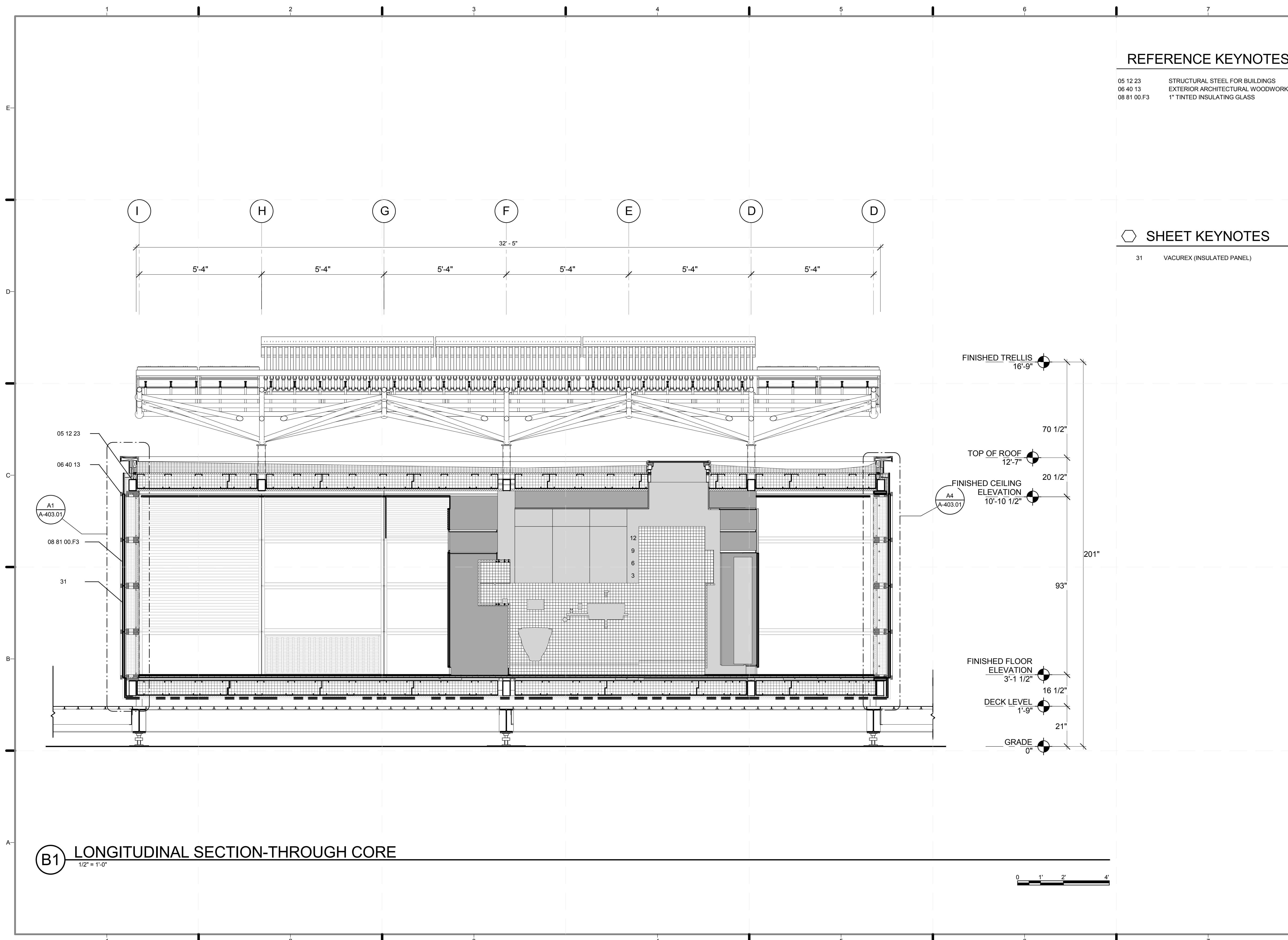
A-303.01

REFERENCE KEYNOTES

05 12 23 STRUCTURAL STEEL FOR BUILDINGS
06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
08 81 00.F3 1" TINTED INSULATING GLASS

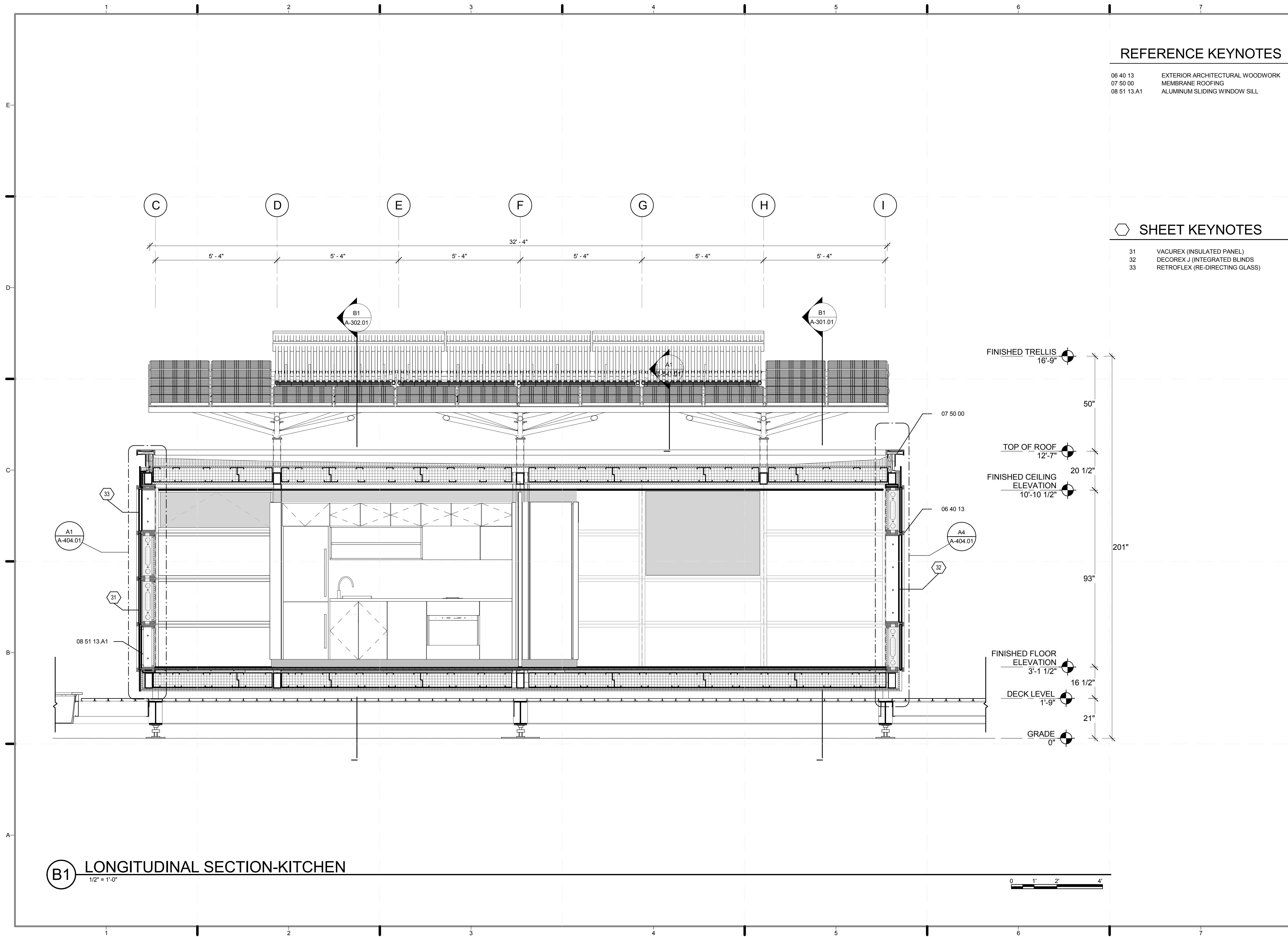
SHEET KEYNOTES

31 VACUREX (INSULATED PANEL)



B1 LONGITUDINAL SECTION-THROUGH CORE
1/2" = 1'-0"





TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

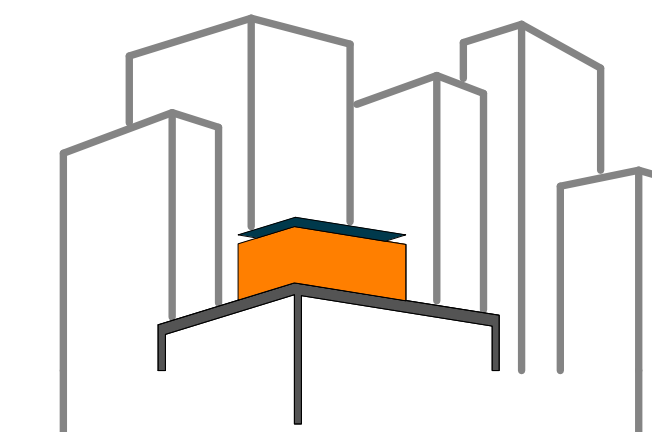
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:34:15 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
LONGITUDINAL
SECTION- KITCHEN

SCALE: 1/2" = 1'-0"
PLAN #:

A-304.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:34:20 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
WALL SECTION-BIFOLD DOORS

SCALE: 1 1/2"=1'

PLAN #:

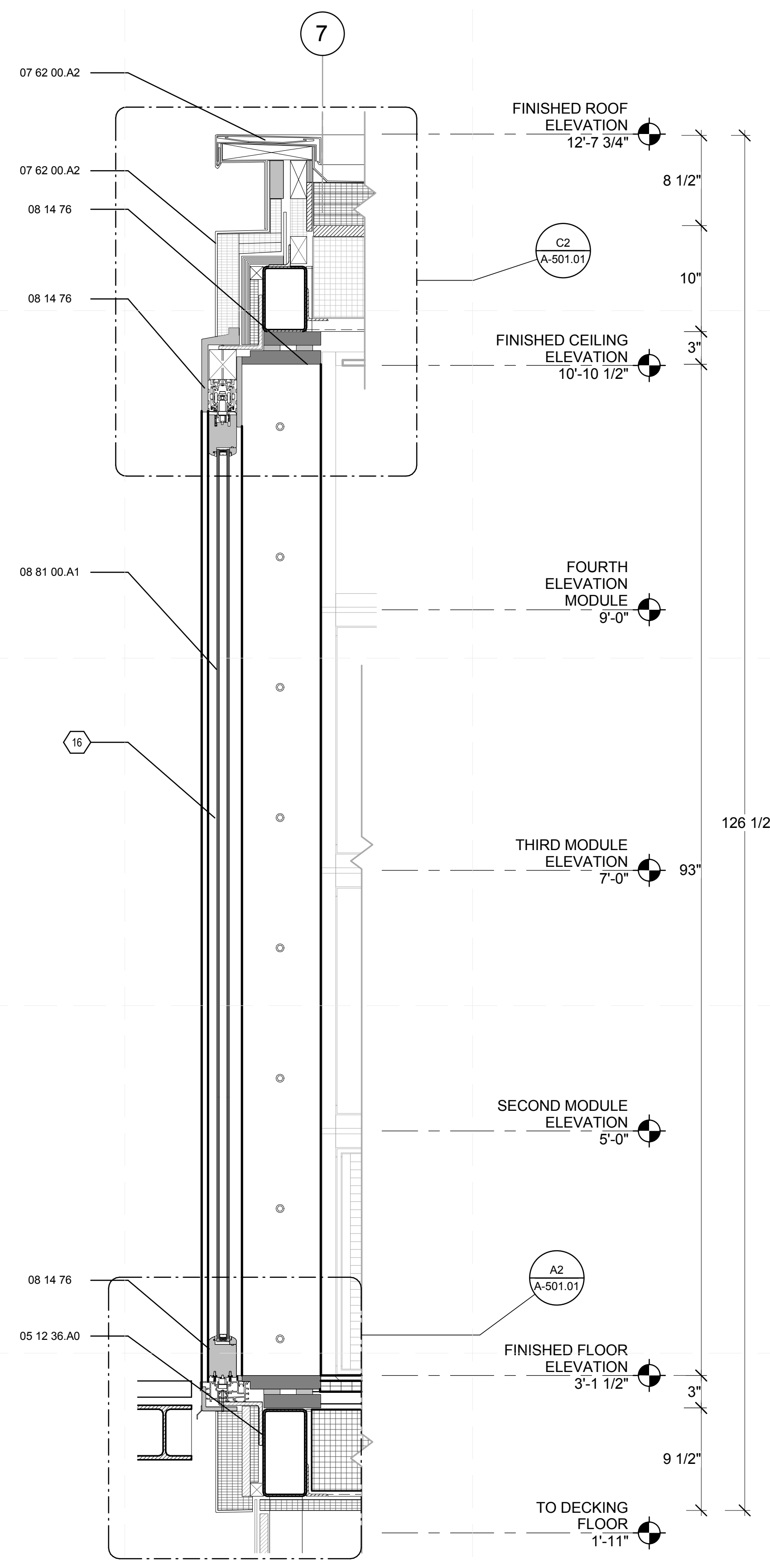
A-401.01

REFERENCE KEYNOTES

- 05 12 23 STRUCTURAL STEEL FOR BUILDINGS
- 05 12 36.A0 L SHAPE
- 07 50 00 MEMBRANE ROOFING
- 07 62 00.A2 ALUMINUM FLASHING
- 08 14 76 BIFOLDING WOOD DOORS
- 08 81 00.A1 GLAZING

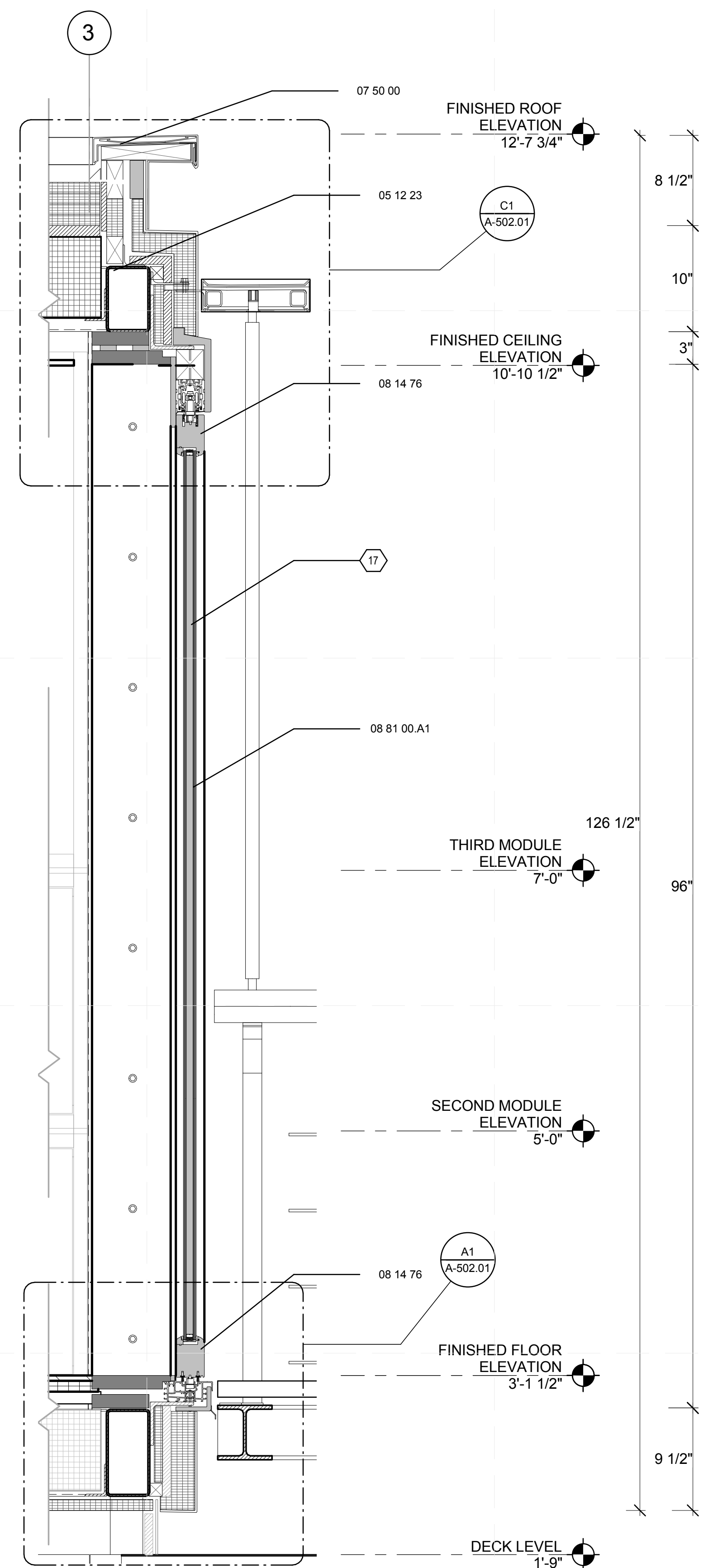
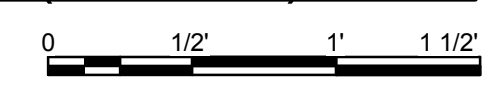
SHEET KEYNOTES

- 16 MICROSHADE INTEGRATED BLINDS
- 17 NANOGEL INSULATED PANEL



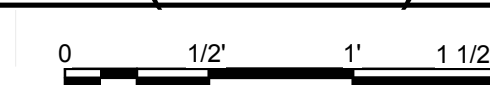
A2 WALL SECTION-BI FOLD DOORS (SOUTH)

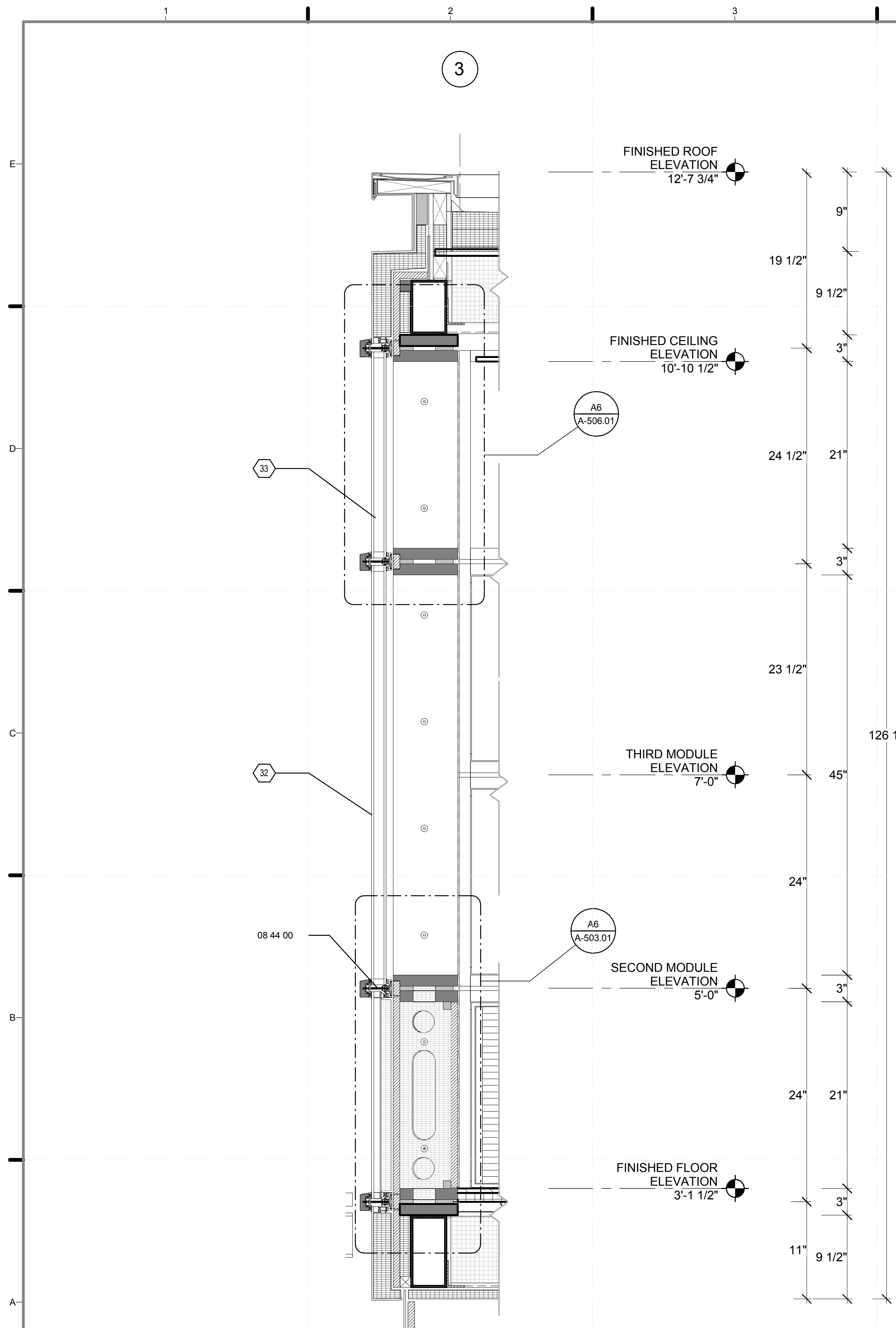
1 1/2" = 1'-0"



A5 WALL SECTION-BI FOLD DOORS (NORTH)

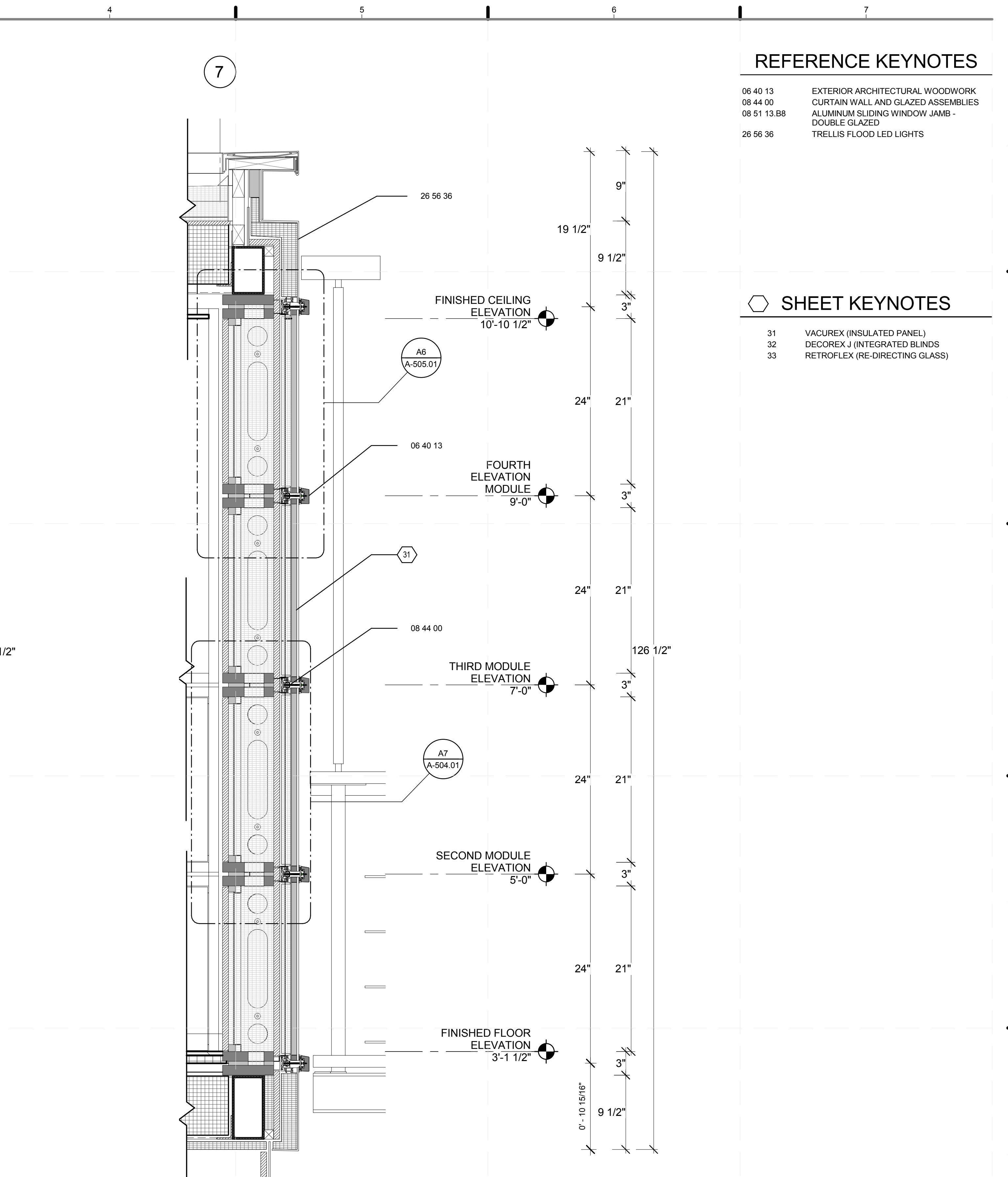
1 1/2" = 1'-0"





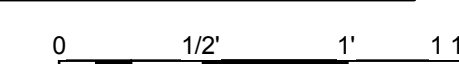
(A1) SECTION THROUGH SOUTH ELEVATION

1 1/2" = 1'-0"



(A5) SECTION THROUGH NORTH ELEVATION

1 1/2" = 1'-0"

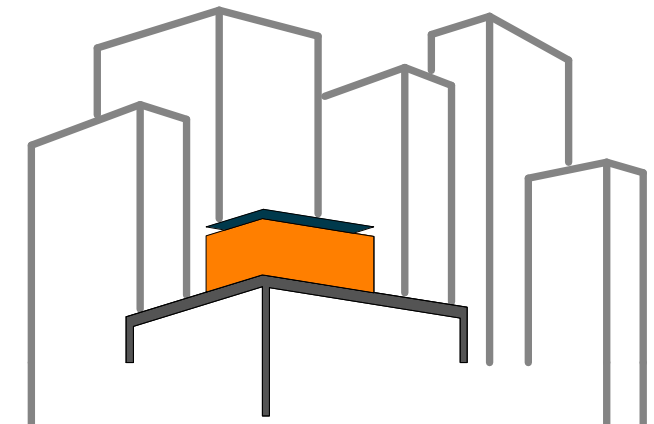


REFERENCE KEYNOTES

- 06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
- 08 44 00 CURTAIN WALL AND GLAZED ASSEMBLIES
- 08 51 13.B8 ALUMINUM SLIDING WINDOW JAMB - DOUBLE GLAZED
- 26 56 36 TRELIS FLOOD LED LIGHTS

SHEET KEYNOTES

- 31 VACUREX (INSULATED PANEL)
- 32 DECOREX J (INTEGRATED BLINDS)
- 33 RETROFLEX (RE-DIRECTING GLASS)



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:34:26 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

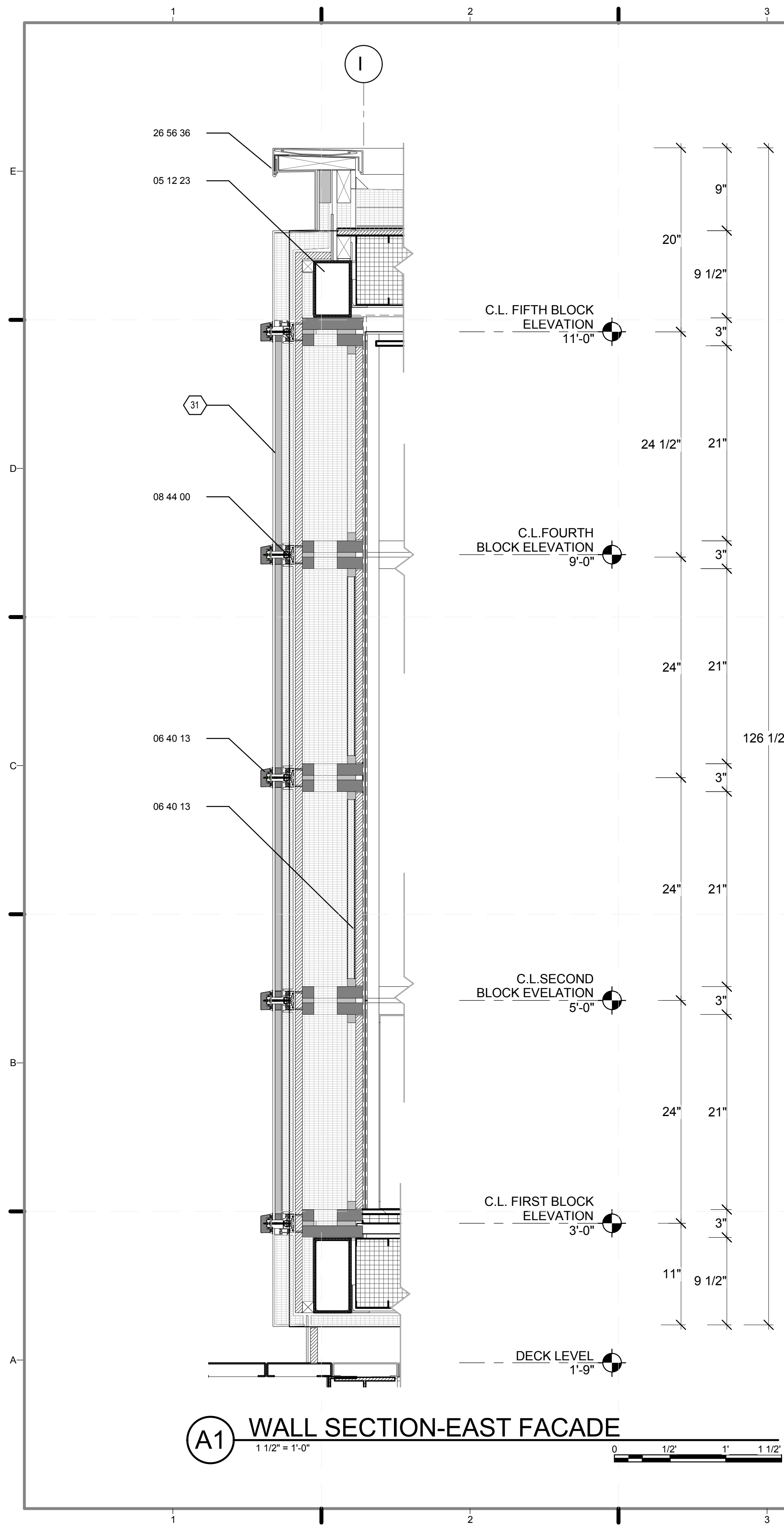
SHEET TITLE:

WALL
SECTION-SOUTH/
NORTH

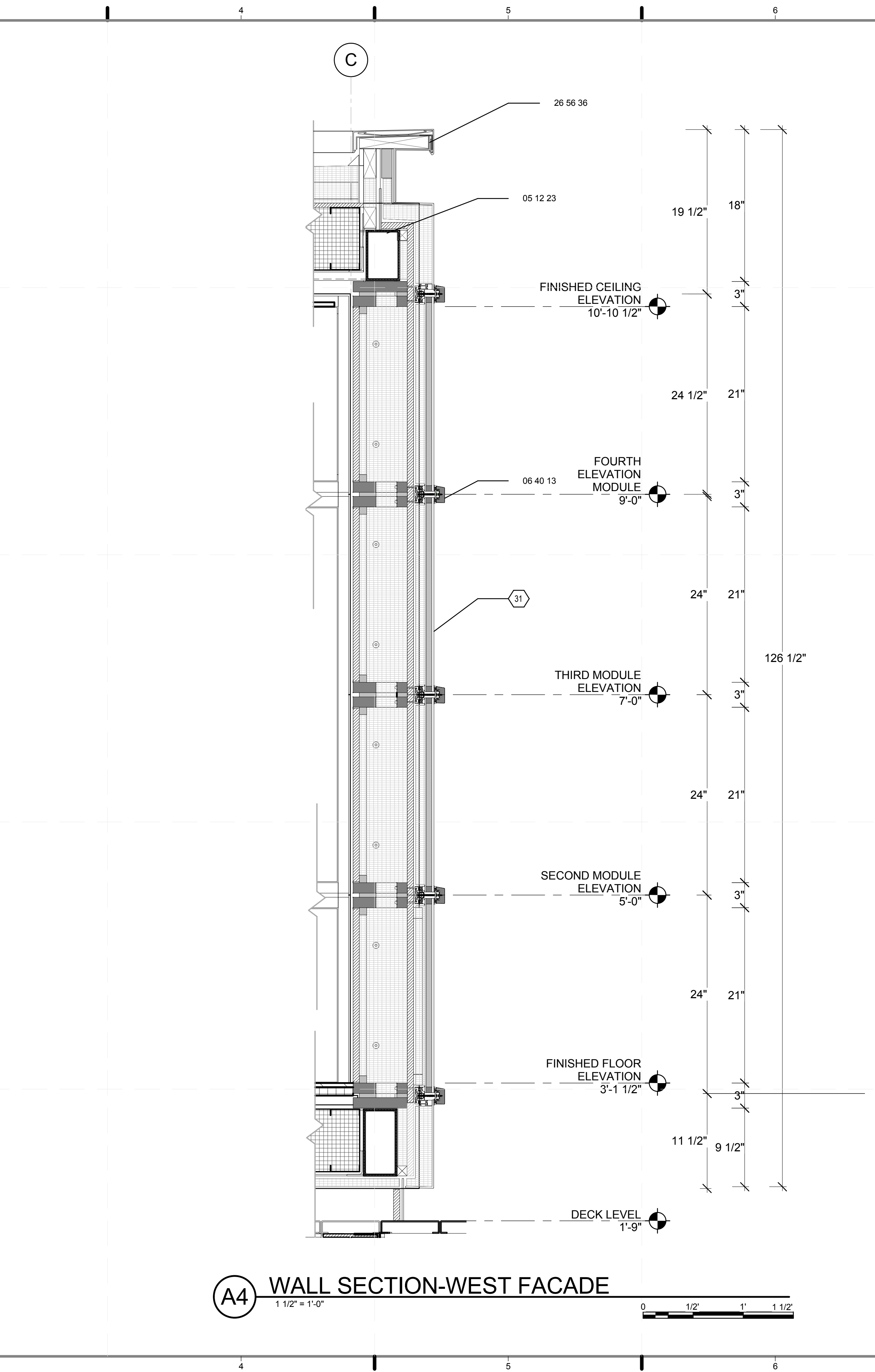
SCALE: 1 1/2"=1'

PLAN #:

A-402.01



A1 WALL SECTION-EAST FACADE



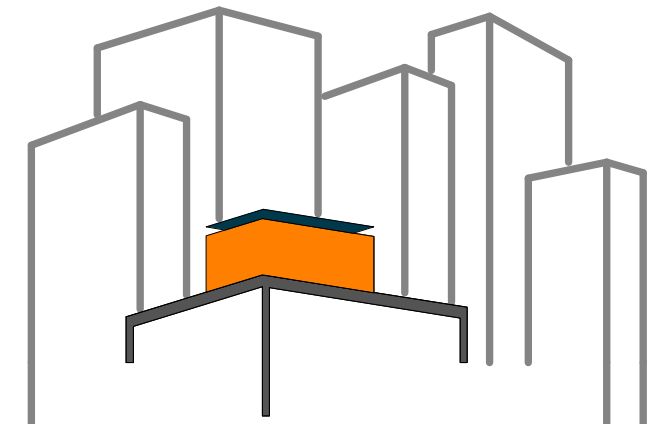
A4 WALL SECTION-WEST FACADE

REFERENCE KEYNOTES

- 05 05 00 COMMON WORK RESULTS FOR METALS
- 05 12 23 STRUCTURAL STEEL FOR BUILDINGS
- 06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
- 08 44 00 CURTAIN WALL AND GLAZED ASSEMBLIES
- 26 56 36 TRELLIS FLOOD LED LIGHTS

SHEET KEYNOTES

- 31 VACUREX (INSULATED PANEL)



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

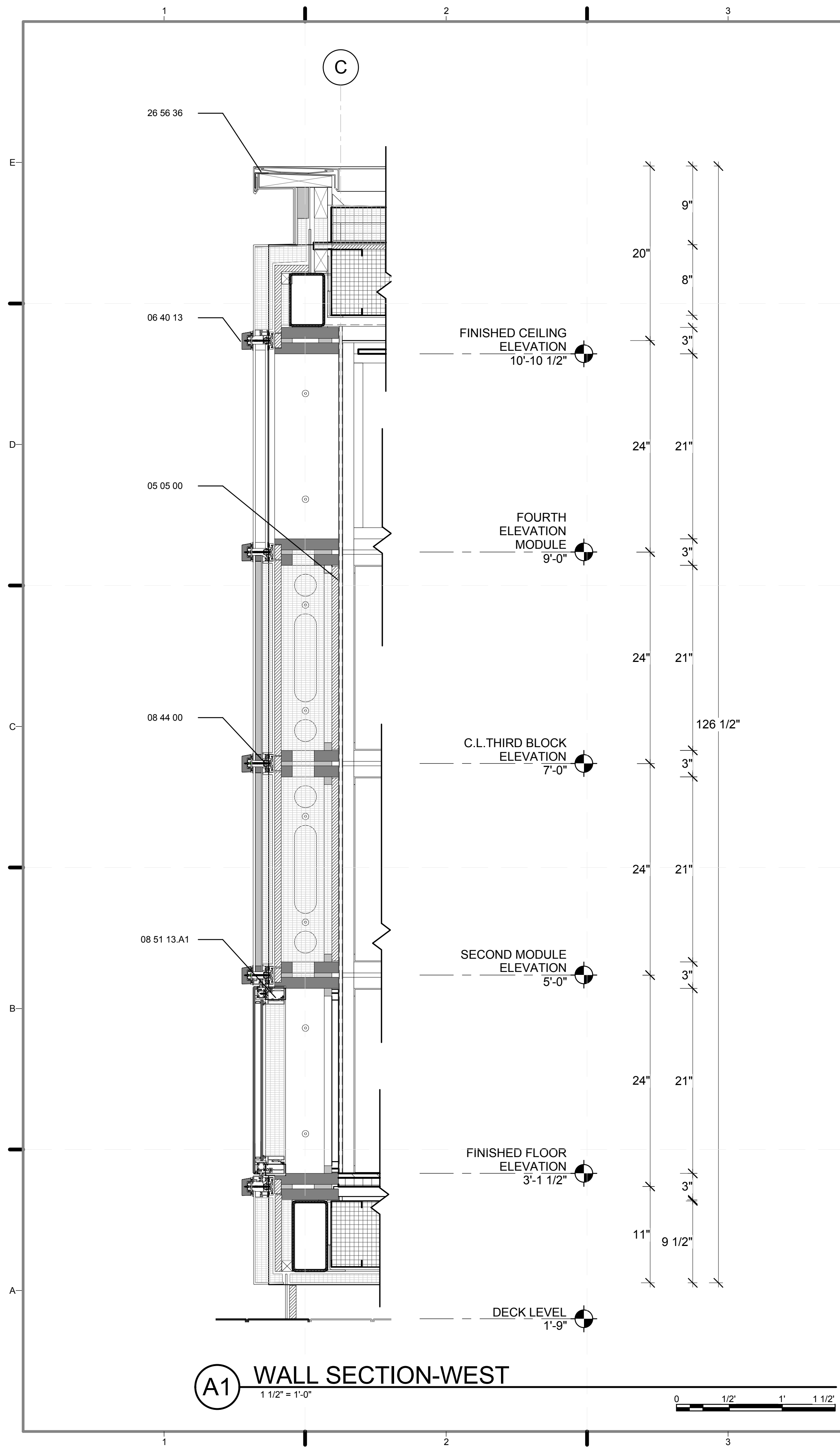
LOT NUMBER: **403**
DRAWN BY: **JOHN VLAHAKIS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:34:31 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

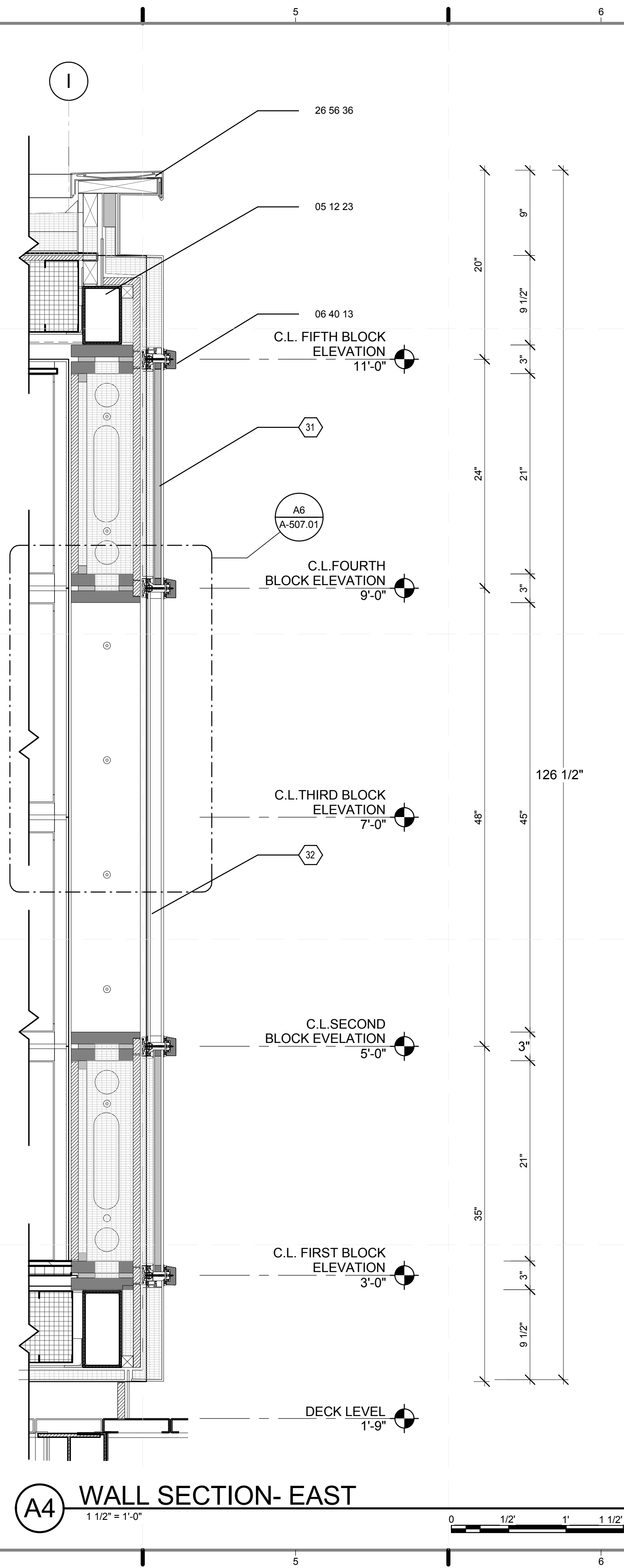
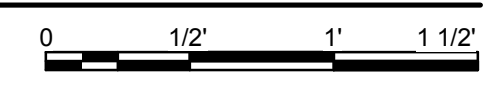
SHEET TITLE:
WALL SECTION-EAST / WEST 1

SCALE: **1 1/2"=1'**
PLAN #:

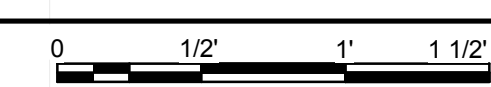
A-403.01



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



A4 WALL SECTION- EAST
1 1/2" = 1'-0"

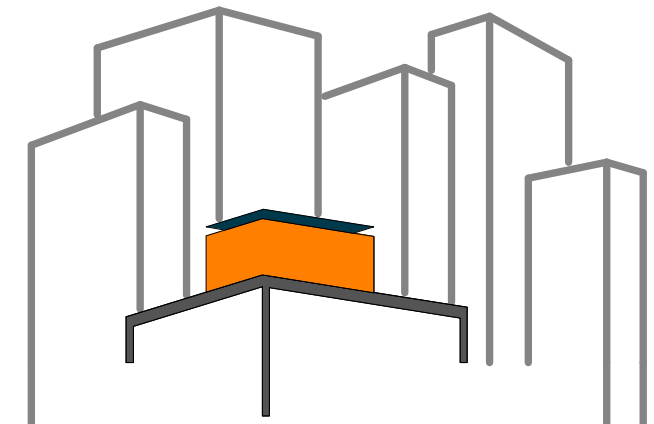


REFERENCE KEYNOTES

05 05 00	COMMON WORK RESULTS FOR METALS
05 12 23	STRUCTURAL STEEL FOR BUILDINGS
06 40 13	EXTERIOR ARCHITECTURAL WOODWORK
08 44 00	CURTAIN WALL AND GLAZED ASSEMBLIES
08 51 13.A1	ALUMINUM SLIDING WINDOW SILL
26 56 36	TRELLIS FLOOD LED LIGHTS

SHEET KEYNOTES

31	VACUREX (INSULATED PANEL)
32	DECOREX J (INTEGRATED BLINDS)



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd11@gmail.com



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

REVISIONS: DATE / NAME

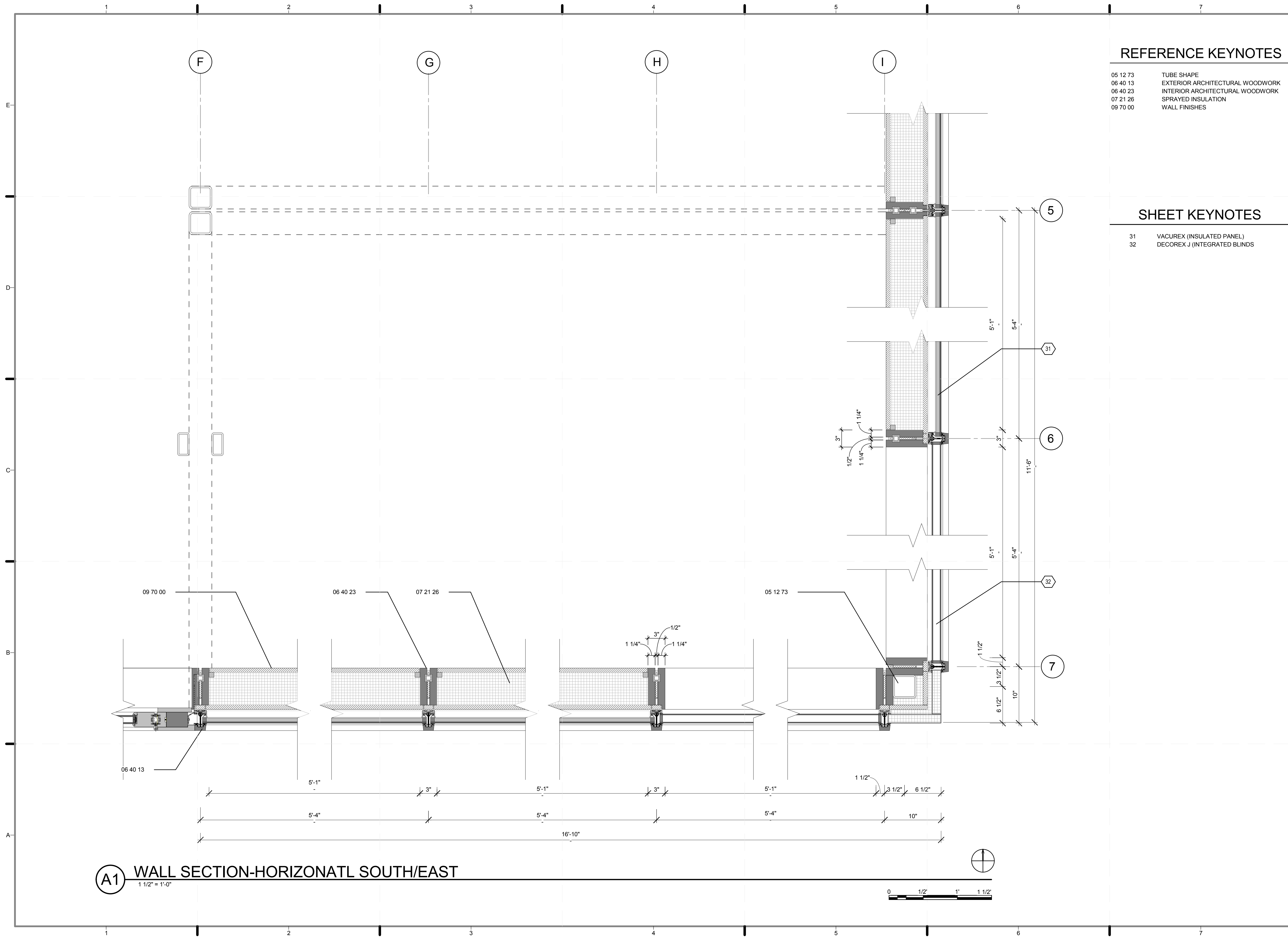
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:34:38 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
WALL SECTION-WEST/EAST 2

SCALE: 1 1/2"=1'
PLAN #:

A-404.01

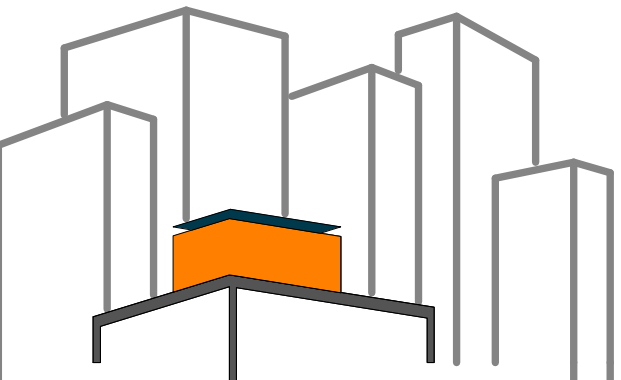


REFERENCE KEYNOTES

- | | |
|----------|---------------------------------|
| 05 12 73 | TUBE SHAPE |
| 06 40 13 | EXTERIOR ARCHITECTURAL WOODWORK |
| 06 40 23 | INTERIOR ARCHITECTURAL WOODWORK |
| 07 21 26 | SPRAYED INSULATION |
| 09 70 00 | WALL FINISHES |

SHEET KEYNOTES

- | | |
|----|-------------------------------|
| 31 | VACUREX (INSULATED PANEL) |
| 32 | DECOREX J (INTEGRATED BLINDS) |



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:34:43 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

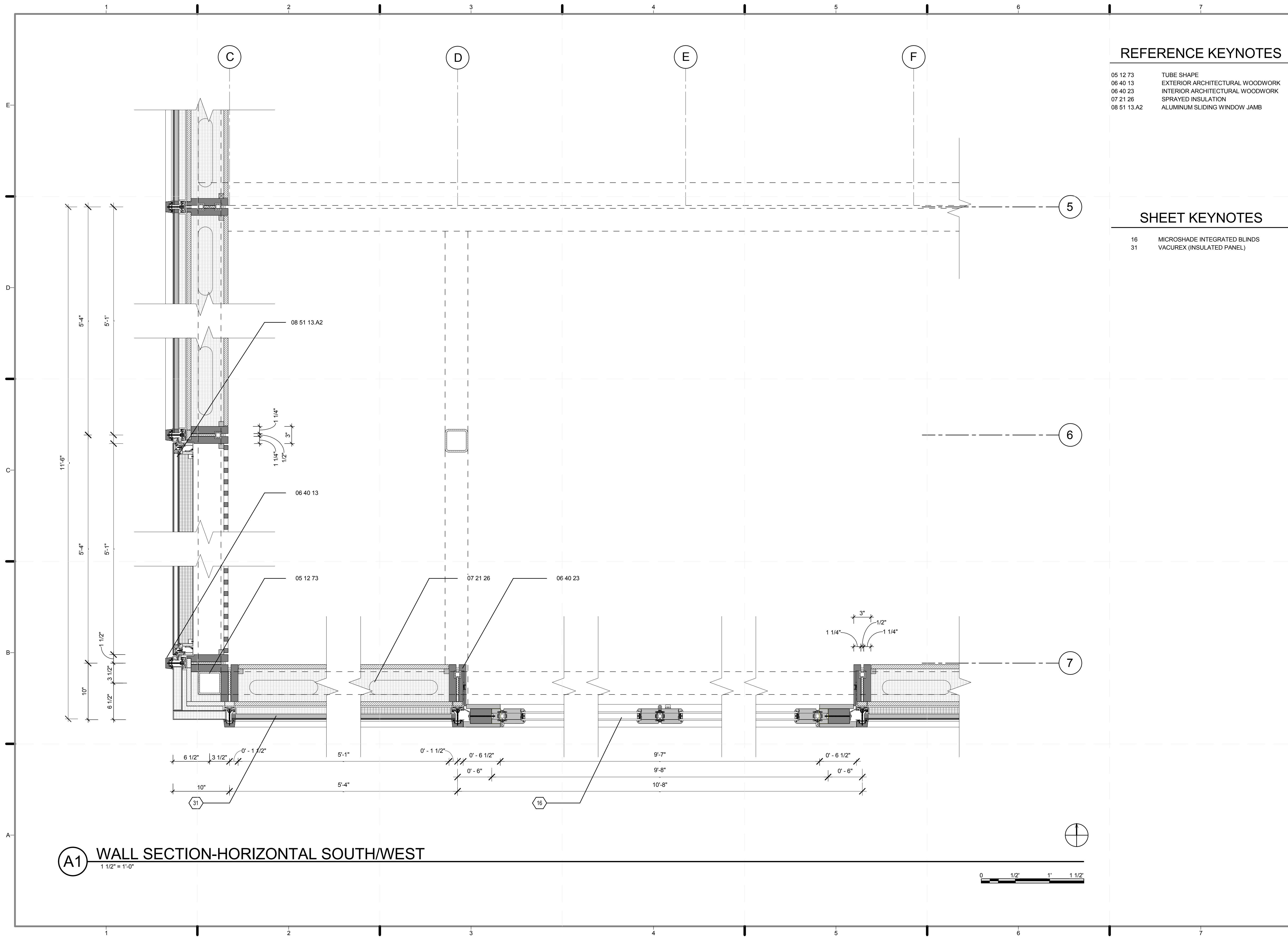
SHEET TITLE:
**WALL SECTION-
HORIZONTAL,
SOUTH/EAST**

SCALE: 1 1/2"=1'
PLAN #:

A-405.01

A1 WALL SECTION-HORIZONATL SOUTH/EAST
1 1/2" = 1'-0"



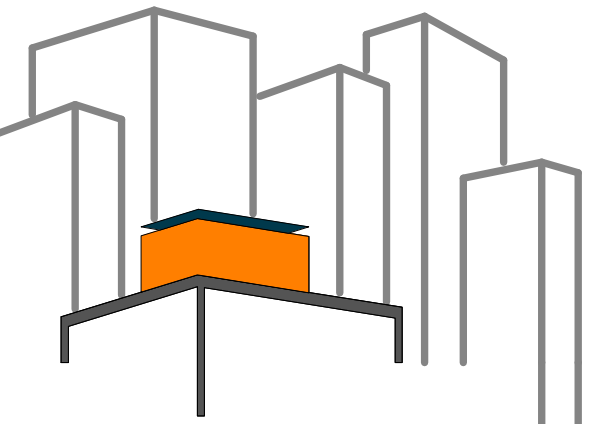


REFERENCE KEYNOTES

- | | |
|-------------|---------------------------------|
| 05 12 73 | TUBE SHAPE |
| 06 40 13 | EXTERIOR ARCHITECTURAL WOODWORK |
| 06 40 23 | INTERIOR ARCHITECTURAL WOODWORK |
| 07 21 26 | SPRAYED INSULATION |
| 08 51 13.A2 | ALUMINUM SLIDING WINDOW JAMB |

SHEET KEYNOTES

- | | |
|----|------------------------------|
| 16 | MICROSHADE INTEGRATED BLINDS |
| 31 | VACUREX (INSULATED PANEL) |



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:34:47 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

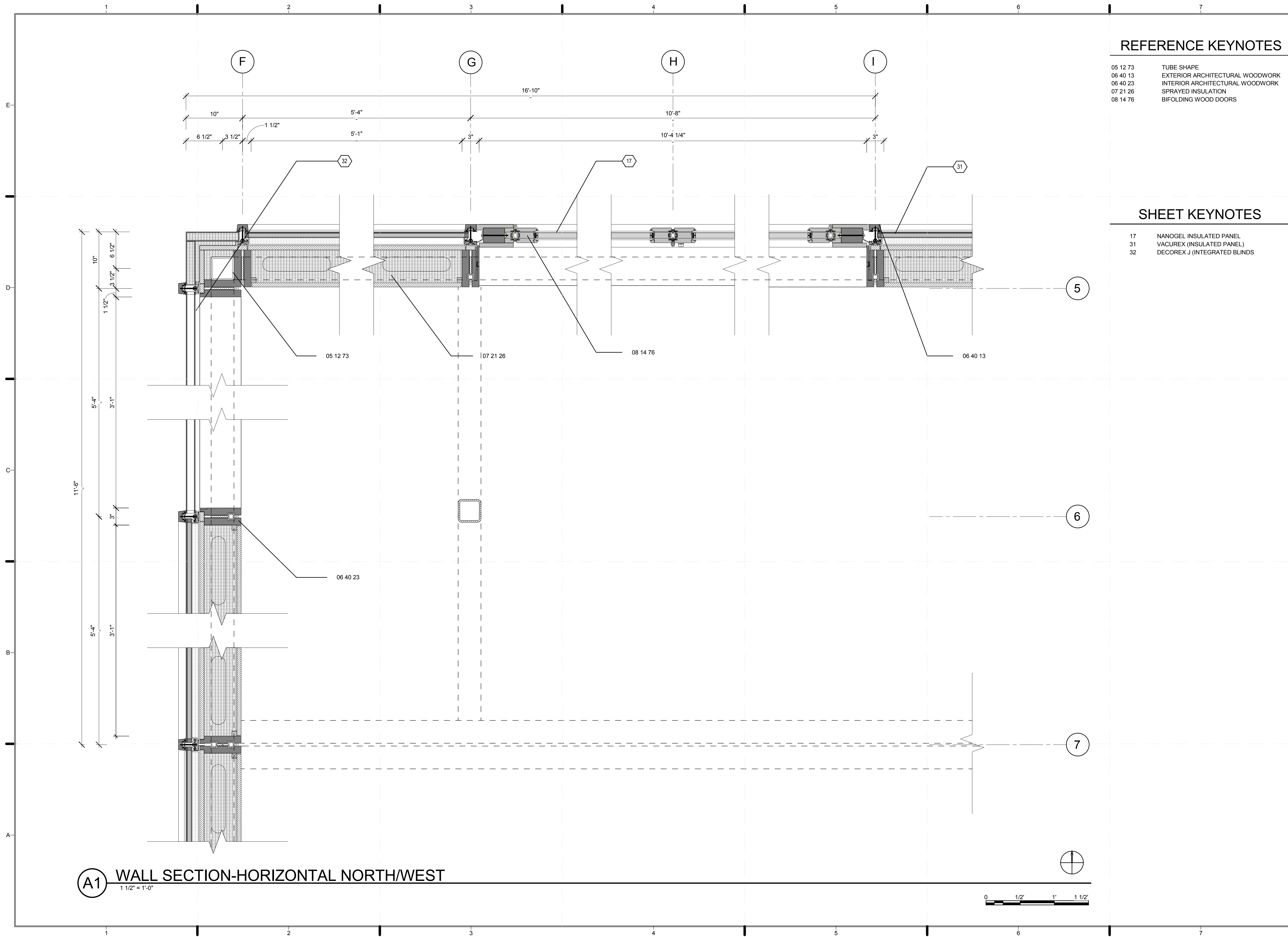
SHEET TITLE:
WALL SECTION-HORIZONTAL, SOUTHWEST

SCALE: 1 1/2"=1'
PLAN #:

A-406.01

(A1) WALL SECTION-HORIZONTAL SOUTHWEST
1 1/2" = 1'-0"



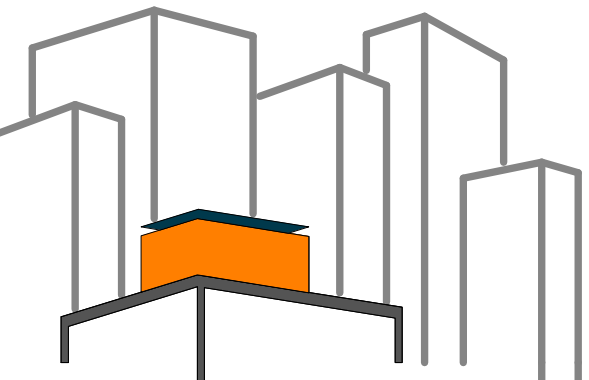


REFERENCE KEYNOTES

- 05 12 73 TUBE SHAPE
- 06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
- 06 40 23 INTERIOR ARCHITECTURAL WOODWORK
- 07 21 26 SPRAYED INSULATION
- 08 14 76 BIFOLDING WOOD DOORS

SHEET KEYNOTES

- 17 NANOGEL INSULATED PANEL
- 31 VACUREX (INSULATED PANEL)
- 32 DECOREX J (INTEGRATED BLINDS)



SOLAR ROOF POD
www.ccnyolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:34:52 PM

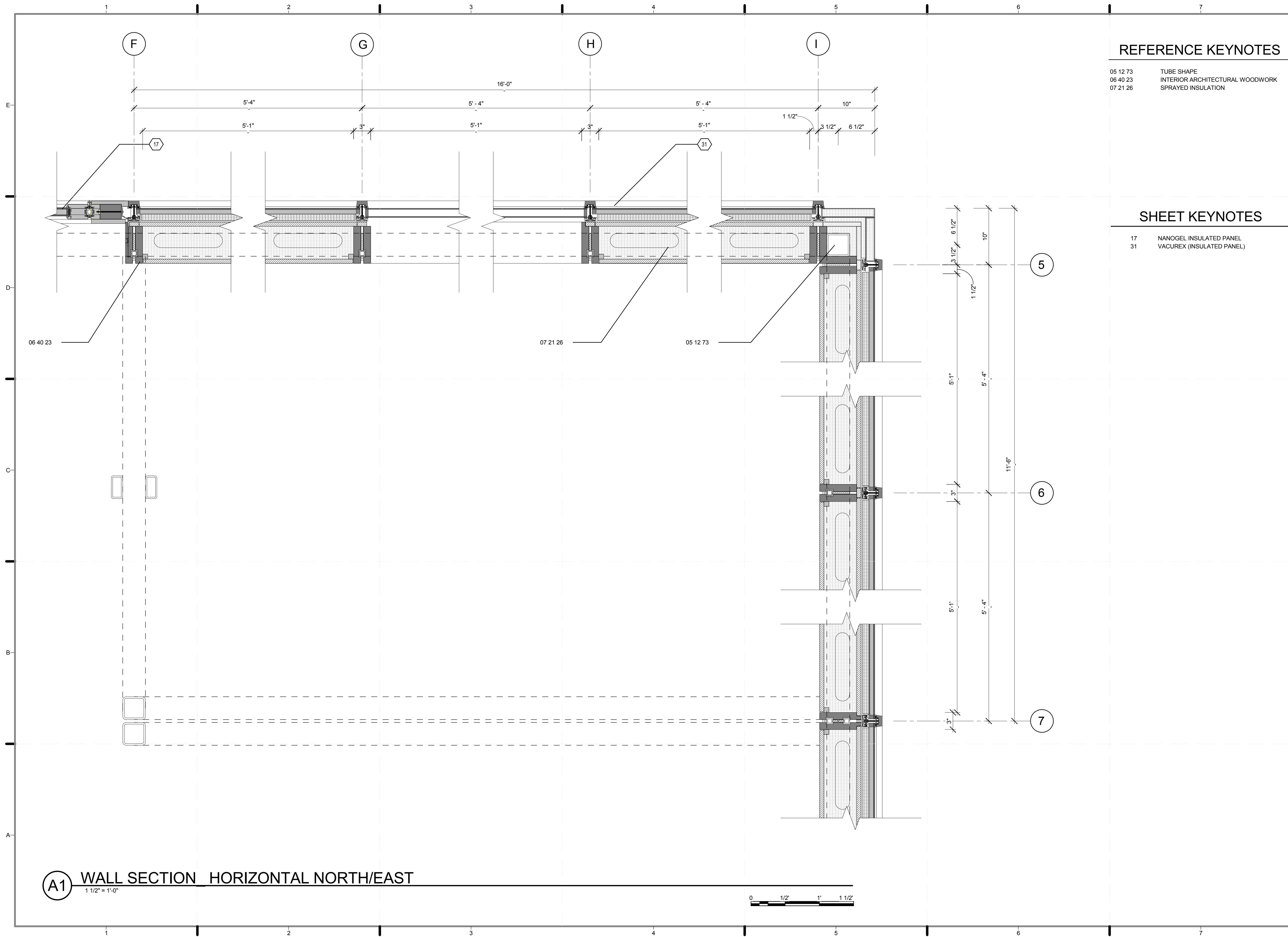
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
WALL SECTION-HORIZONTAL, NORTH/WEST

SCALE: 1 1/2"=1'
PLAN #:

A-407.01

(A1) WALL SECTION-HORIZONTAL NORTH/WEST
1 1/2" = 1'-0"

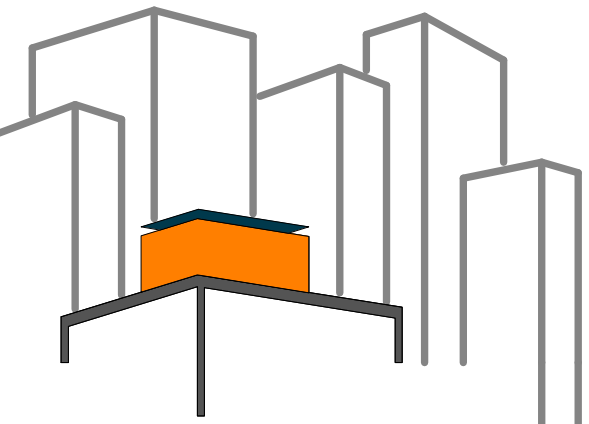


REFERENCE KEYNOTES

05 12 73 TUBE SHAPE
 06 40 23 INTERIOR ARCHITECTURAL WOODWORK
 07 21 26 SPRAYED INSULATION

SHEET KEYNOTES

17 NANOGEL INSULATED PANEL
 31 VACUREX (INSULATED PANEL)



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **JOHN VLAHAKIS**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:34:57 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
WALL SECTION- HORIZONTAL, NORTH/EAST

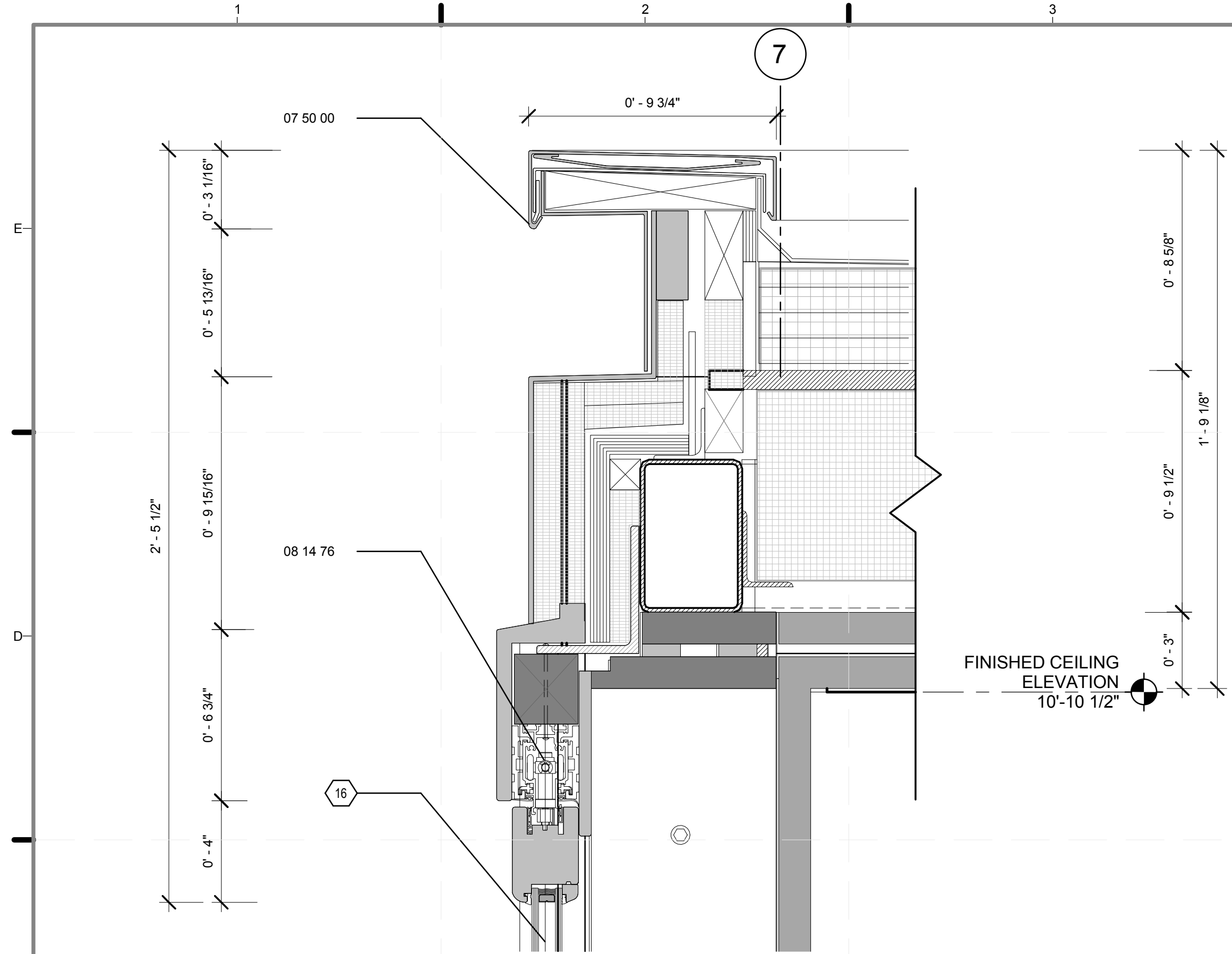
SCALE: **1 1/2"=1'**

PLAN #:

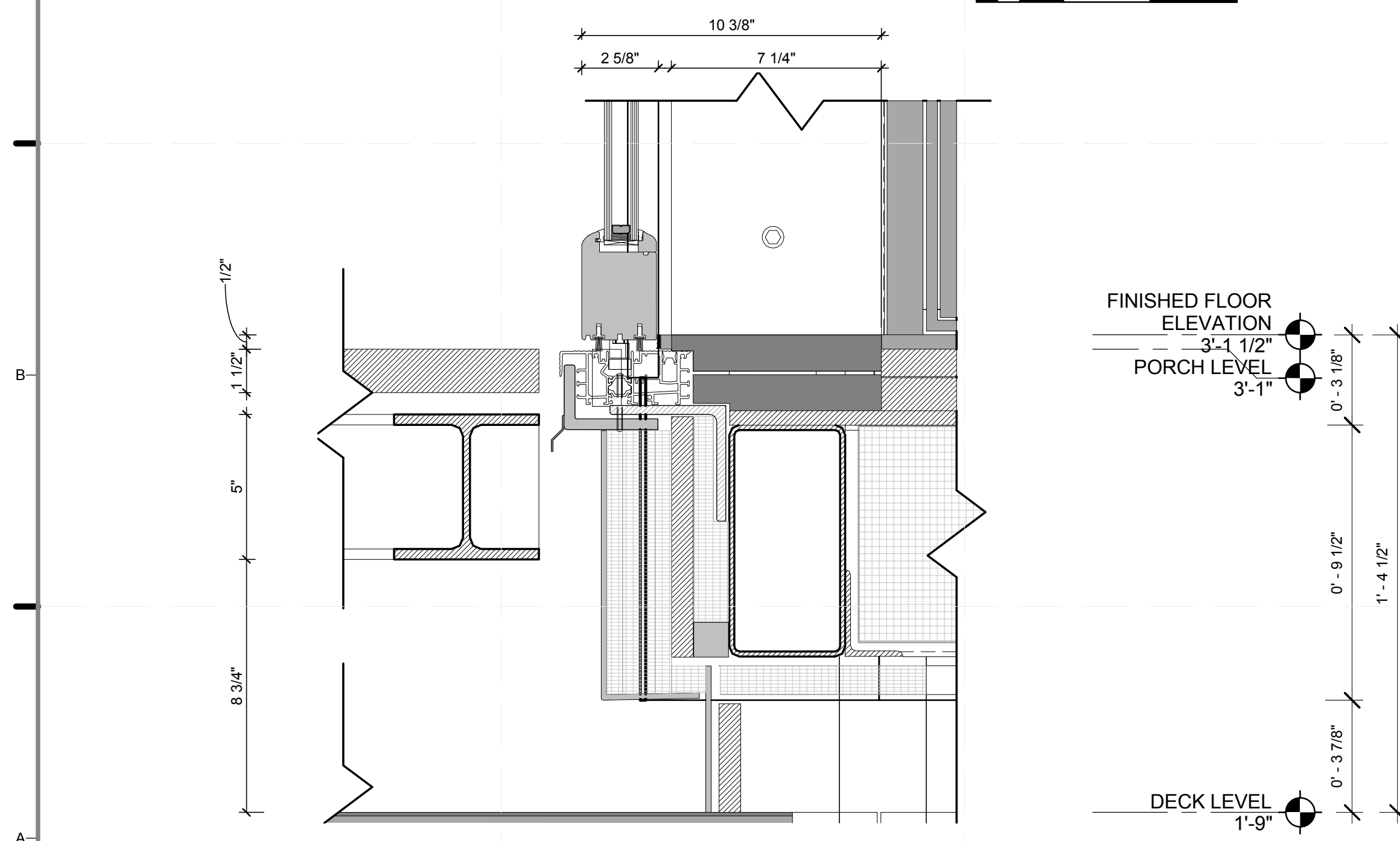
A-408.01

(A1) WALL SECTION HORIZONTAL NORTH/EAST
 1 1/2" = 1'-0"

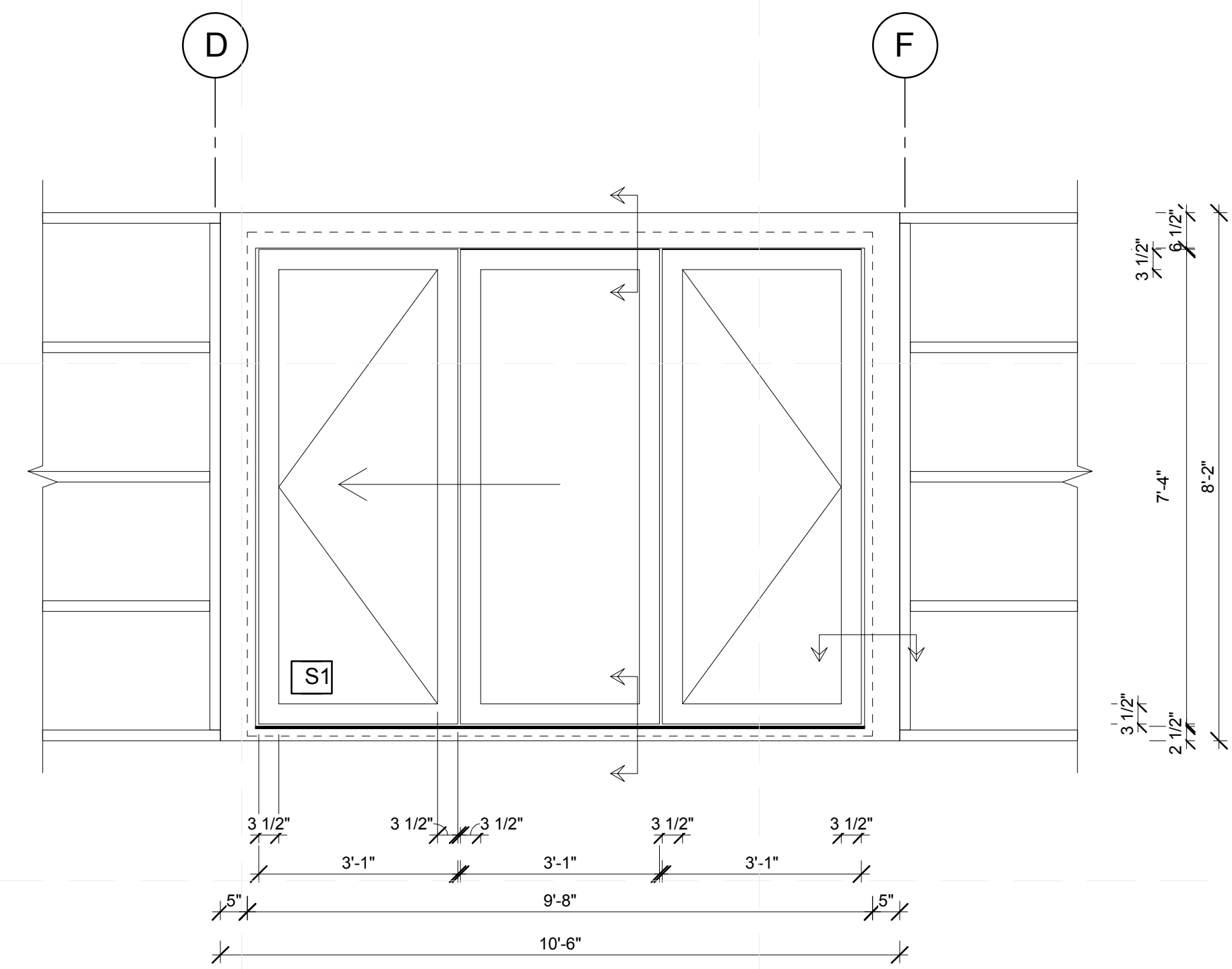




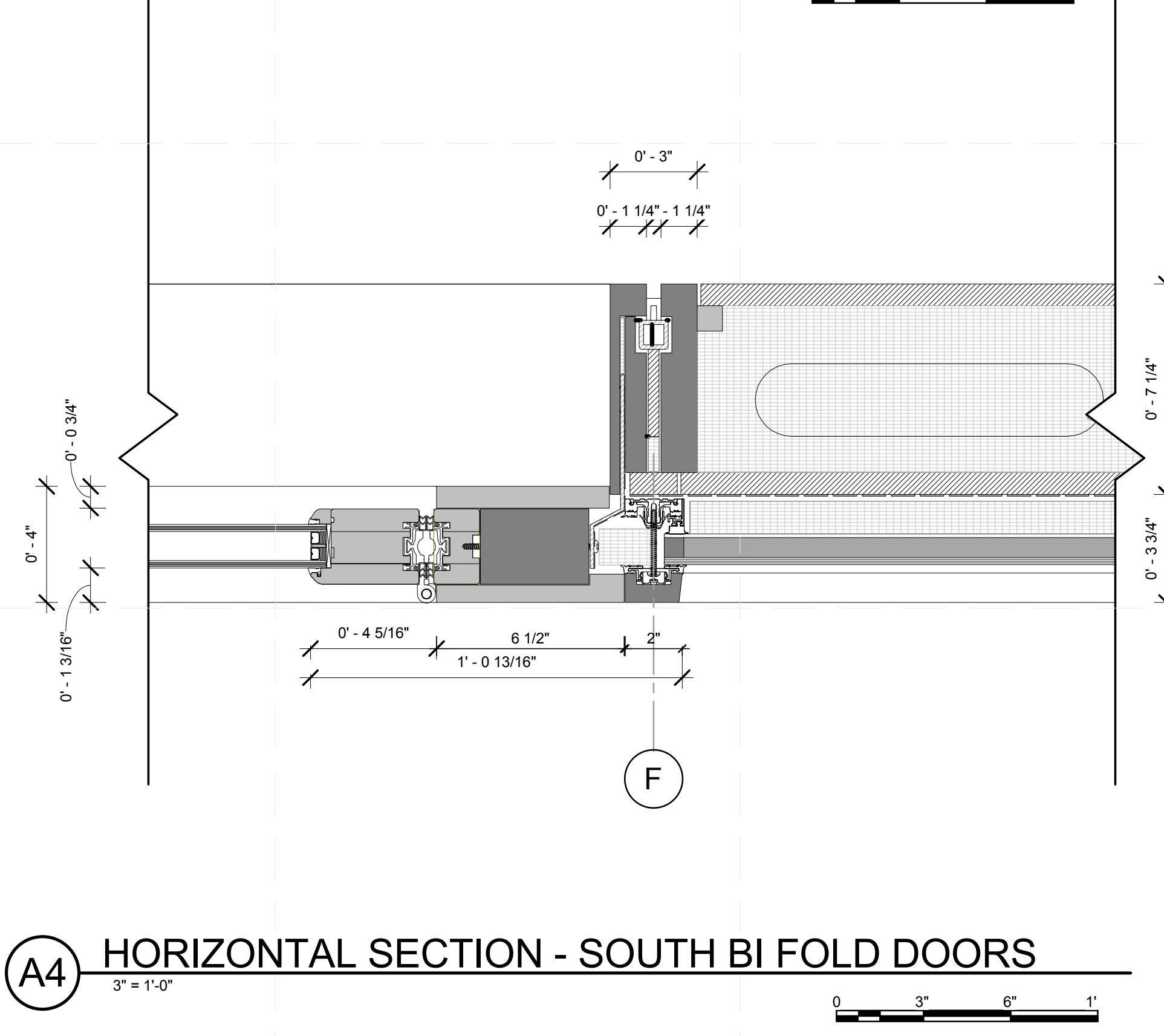
C2 DETAIL BIFOLD DOOR, TOP HEADER
3" = 1'-0"



A2 WALL SECTION-BI FOLD DOORS,BOTTOM SILL (SOUTH)
3" = 1'-0"



C4 DETAIL BIFOLD DOOR, SOUTH DOOR
1/2" = 1'-0"



A4 HORIZONTAL SECTION - SOUTH BI FOLD DOORS
3" = 1'-0"

GENERAL SHEET NOTES

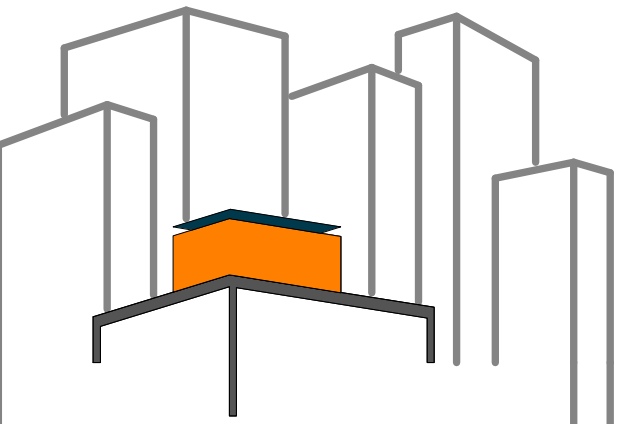
- 1. DOOR LEAF IS MORE THAN 36" AND IS CODE COMPLIANT

REFERENCE KEYNOTES

07 50 00	MEMBRANE ROOFING
08 14 76	BIFOLDING WOOD DOORS

SHEET KEYNOTES

16	MICROSHADE INTEGRATED BLINDS
----	------------------------------



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

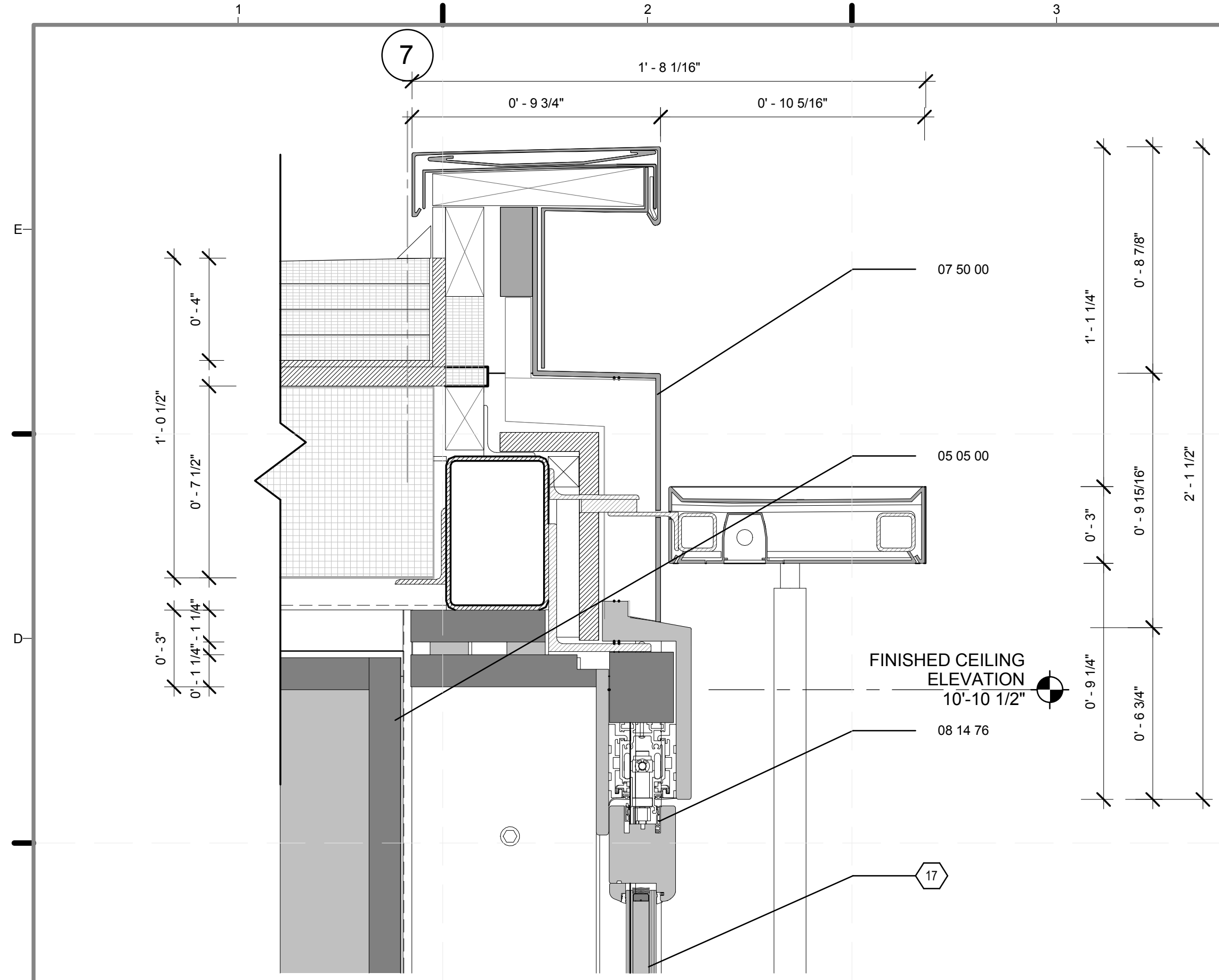
LOT NUMBER: 403
DRAWN BY: JOHN VLAKAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:35:02 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

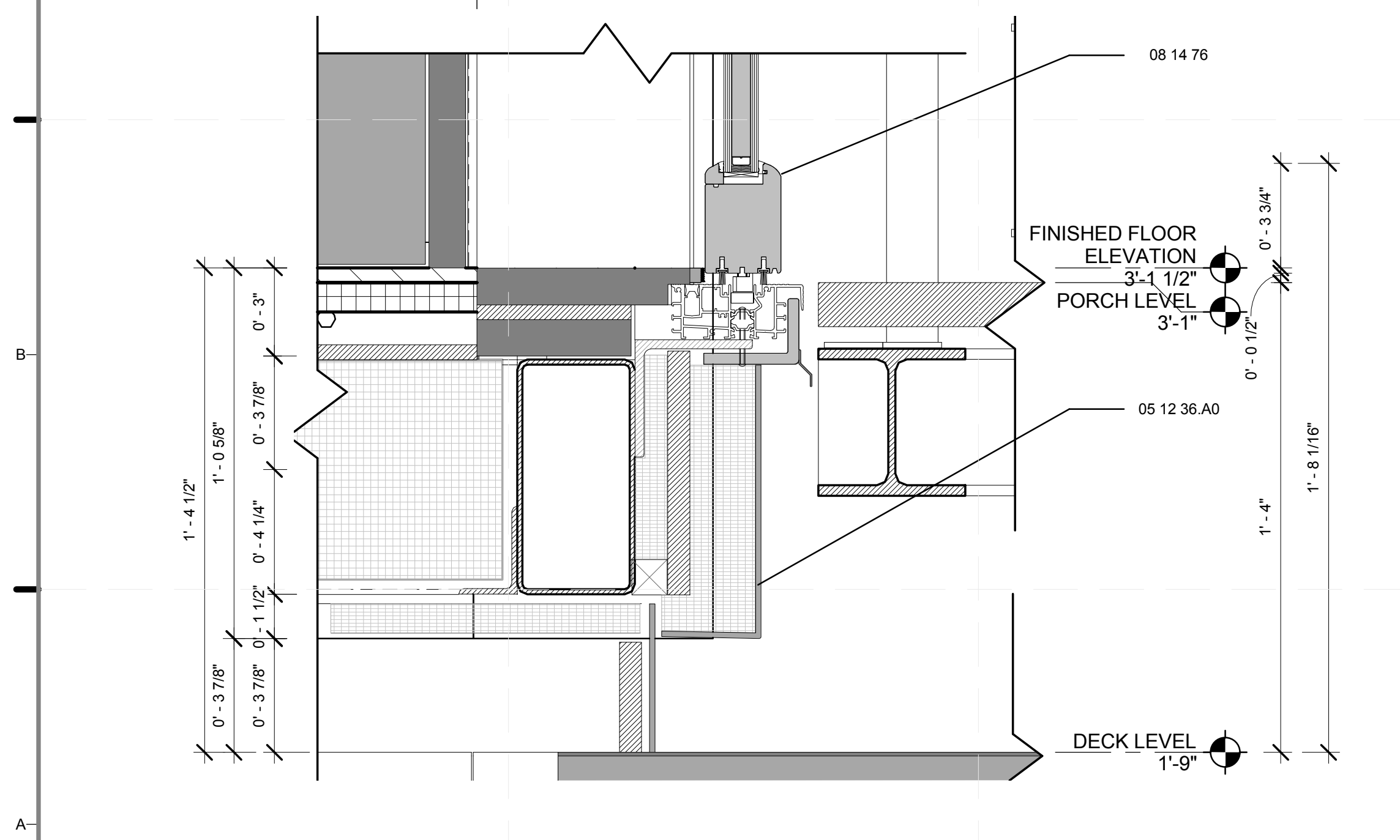
SHEET TITLE:
DETAIL- BI FOLD DOORS, SOUTH

SCALE: AS INDICATED
PLAN #:

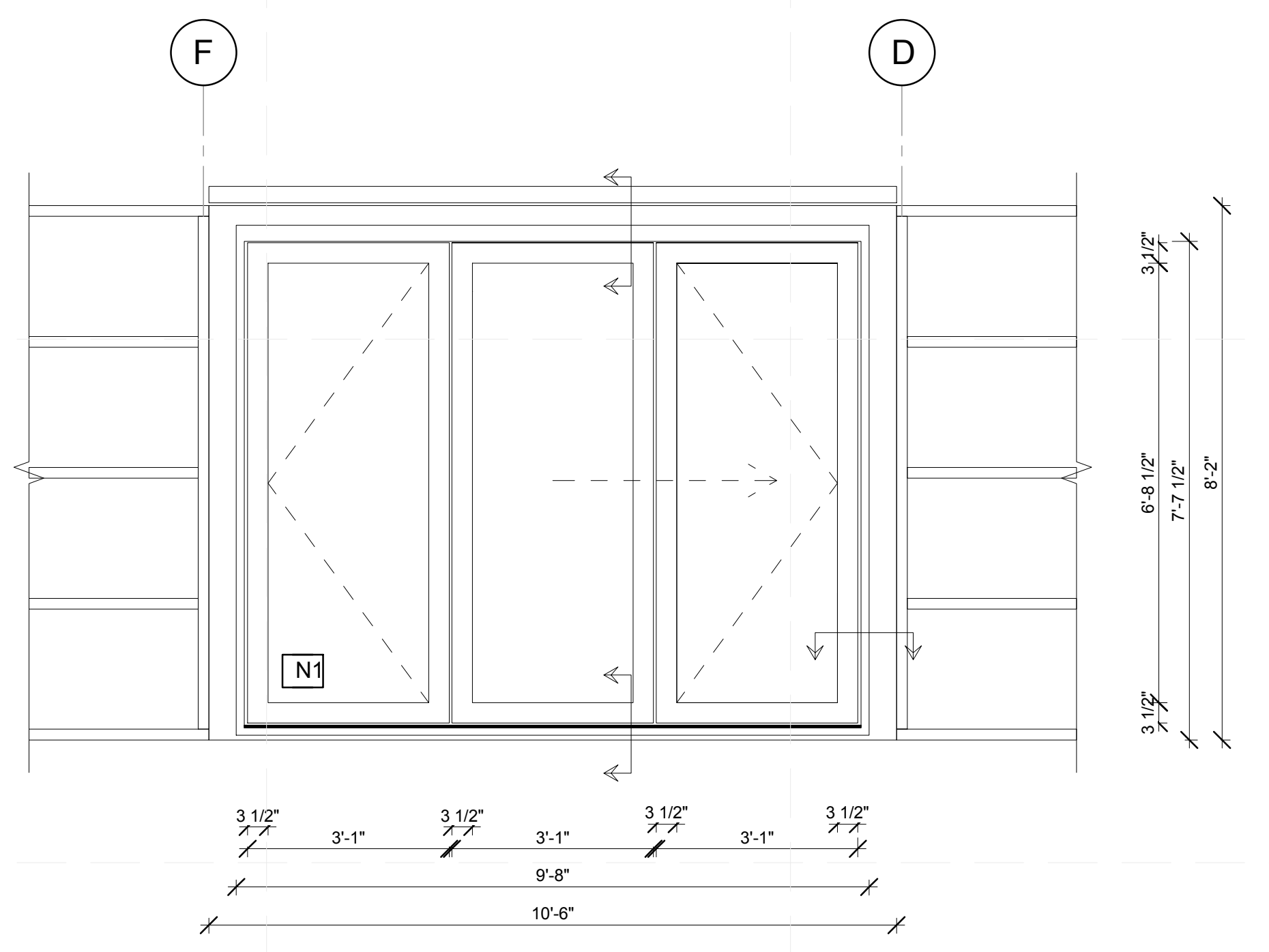
A-501.01



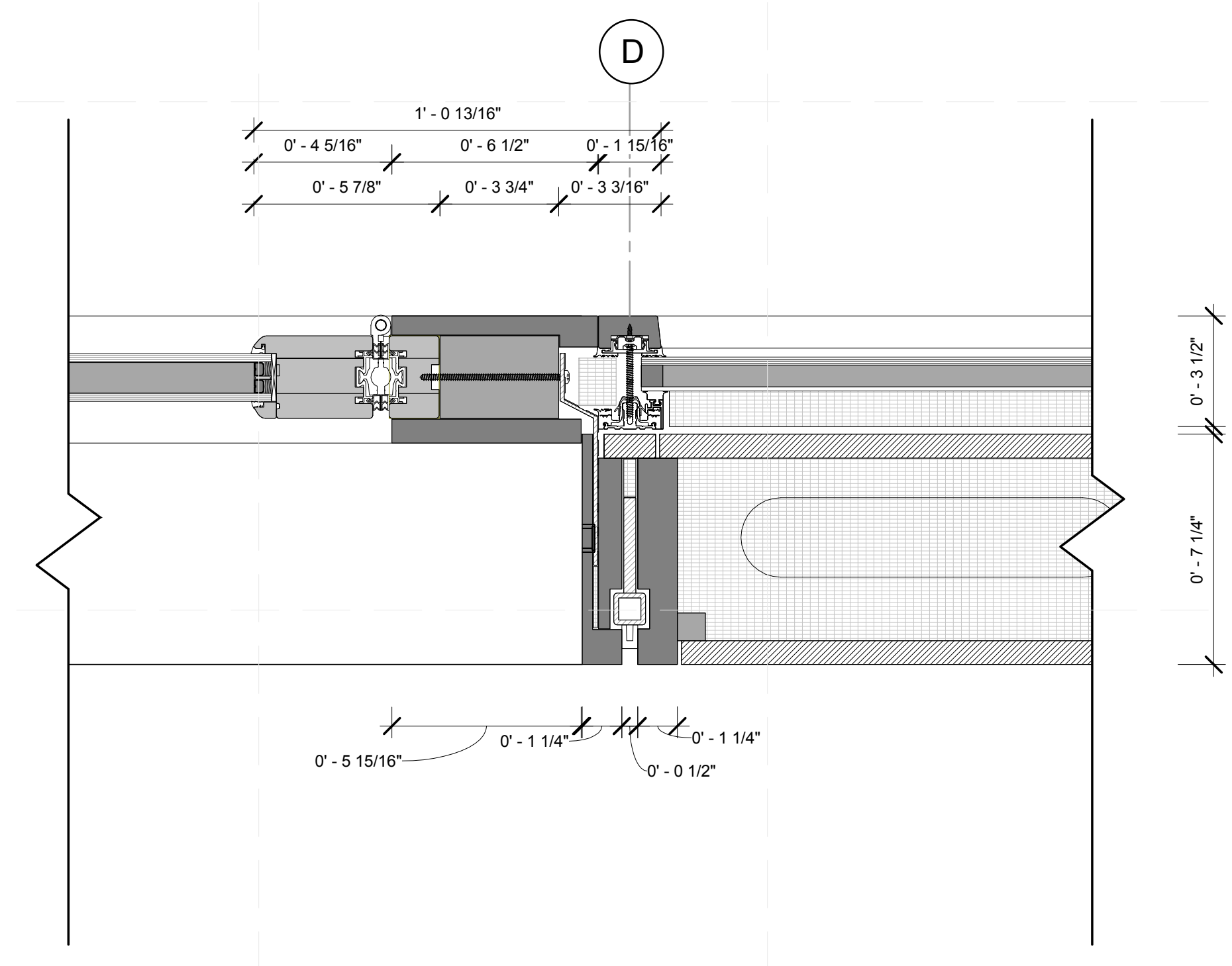
C1 DETAIL-TOP HEADER
 3" = 1'-0"
 0'-10 3/8"
 0'-7 1/4"
 0'-2 9/16"
 0
 3" 6" 1'



A1 DETAIL- BOTTOM SILL
 3" = 1'-0"
 0
 3" 6" 1'



C4 NORTH DOOR
 1/2" = 1'-0"
 0 1/2" 1" 1 1/2"



A4 WALL SECTION HORIZONTAL NORTH/EAST DETAIL
 3" = 1'-0"
 0 3" 6" 1'

GENERAL SHEET NOTES

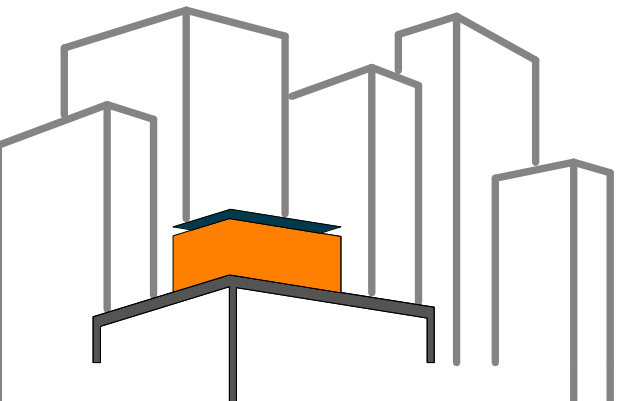
- 1. DOOR LEAF IS MORE THAN 36" AND IS CODE COMPLIANT

REFERENCE KEYNOTES

05 05 00	COMMON WORK RESULTS FOR METALS
05 12 36.A0	L SHAPE
07 50 00	MEMBRANE ROOFING
08 14 76	BIFOLDING WOOD DOORS

SHEET KEYNOTES

17	NANOGEI INSULATED PANEL
----	-------------------------



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnySD1@gmail.com



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

REVISIONS: DATE / NAME

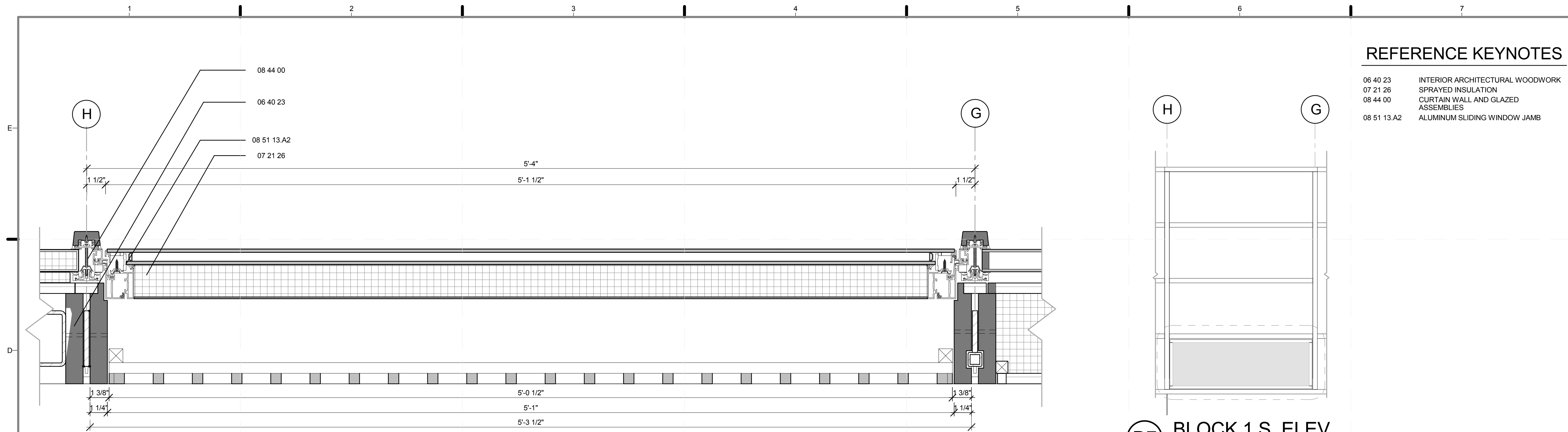
LOT NUMBER: 403
 DRAWN BY: JOHN VLAHAKIS
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:35:08 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 DETAIL- BI FOLD
 DOORS, NORTH

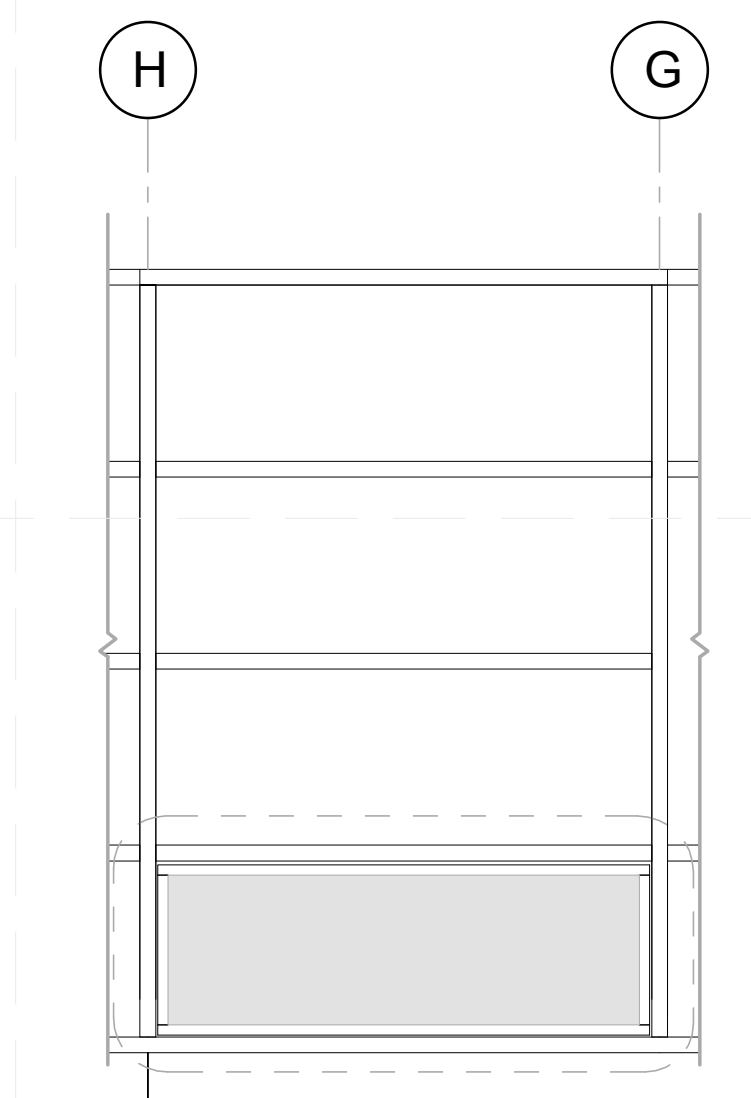
SCALE: AS INDICATED
 PLAN #:

A-502.01



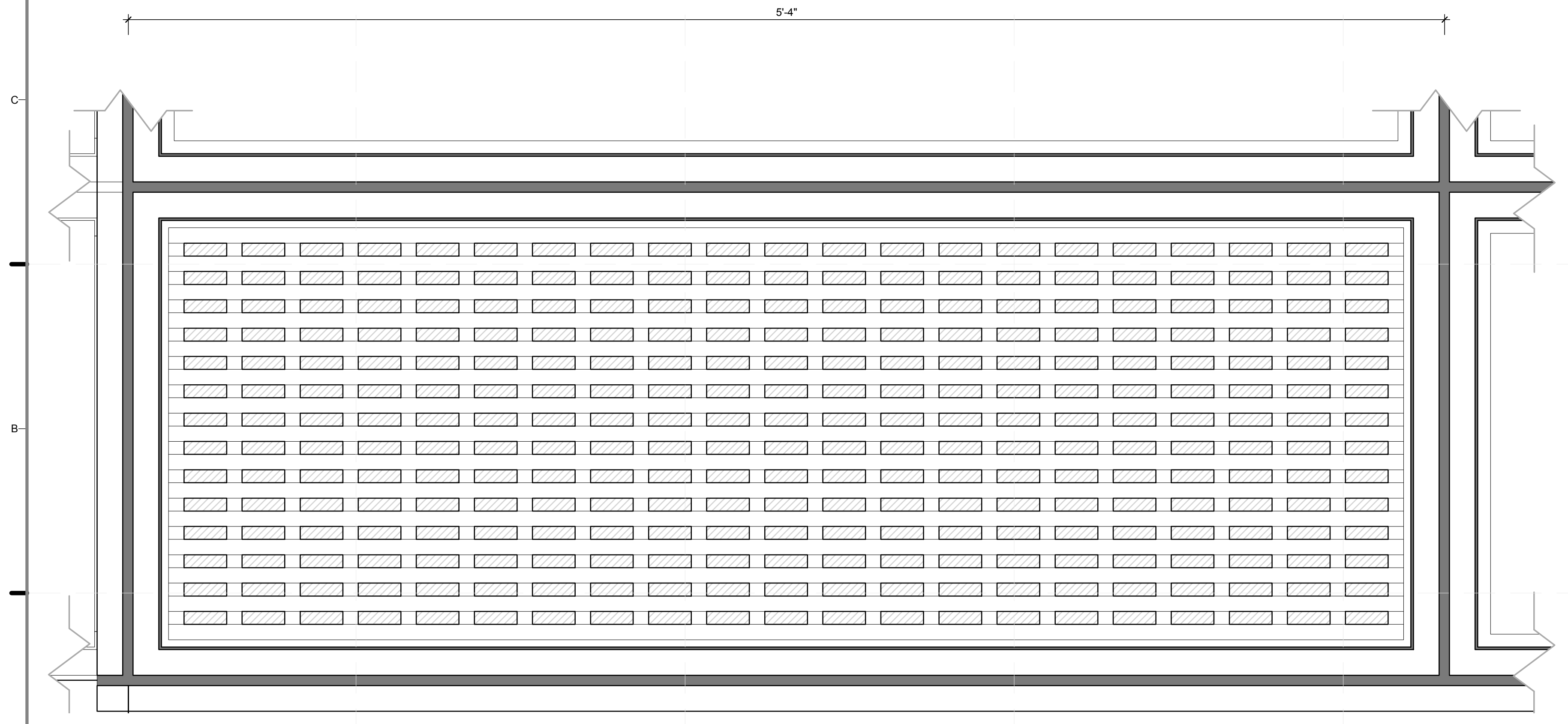
REFERENCE KEYNOTES

- 06 40 23 INTERIOR ARCHITECTURAL WOODWORK
- 07 21 26 SPRAYED INSULATION
- 08 44 00 CURTAIN WALL AND GLAZED ASSEMBLIES
- 08 51 13.A2 ALUMINUM SLIDING WINDOW JAMB

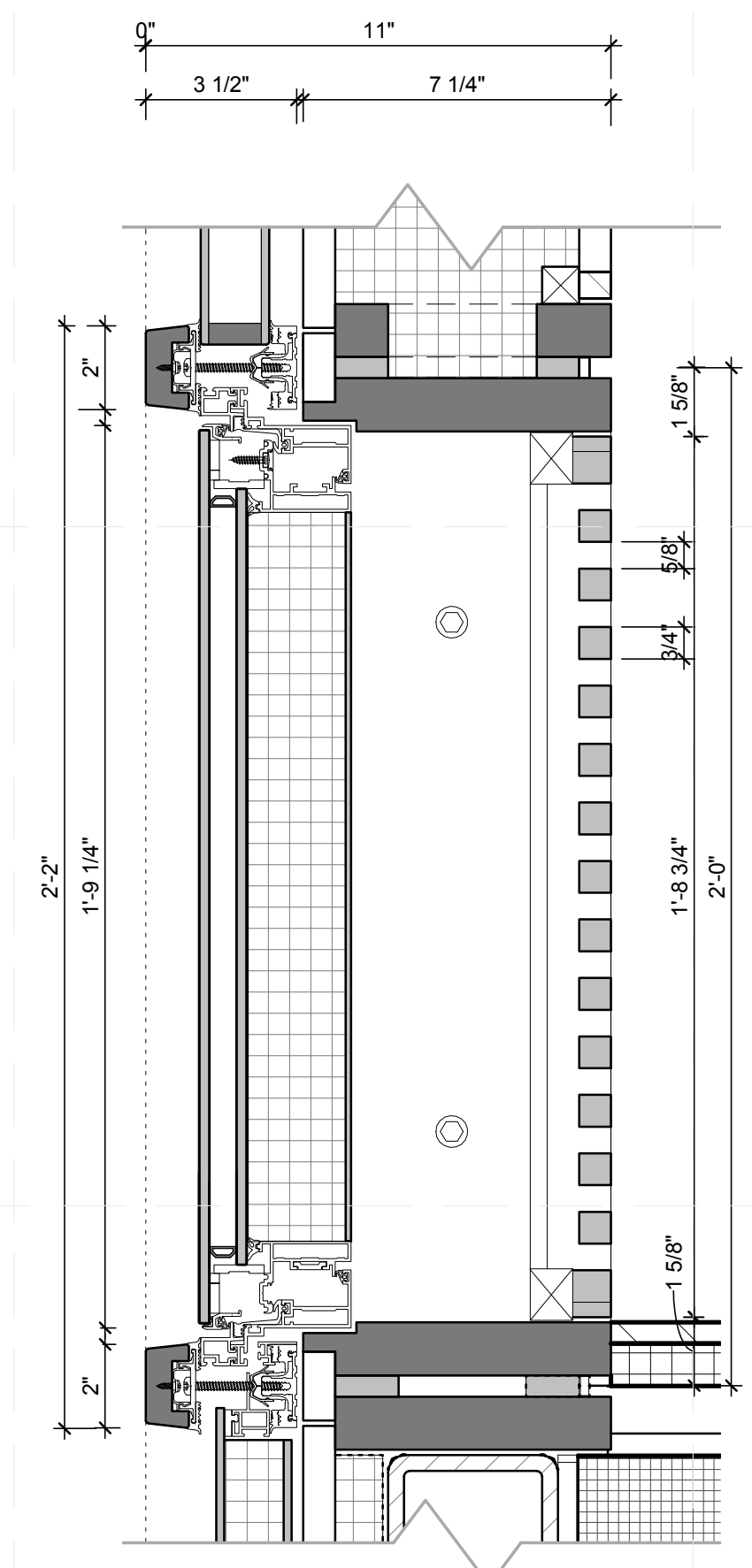


(D7) BLOCK 1 S. ELEV.
1/2" = 1'-0"

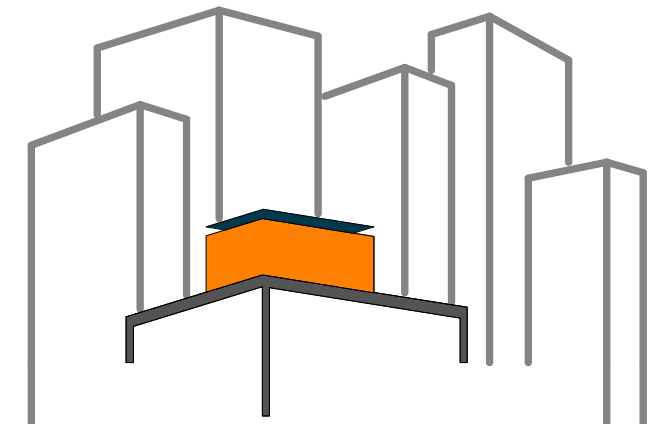
(D1) BUILDING BLOCK 1 DETAIL PLAN
3" = 1'-0"



(A1) BUILDING BLOCK 1 INTERIOR ELEVATION
3" = 1'-0"



(A6) BLOCK 1 DETAIL SECTION
3" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

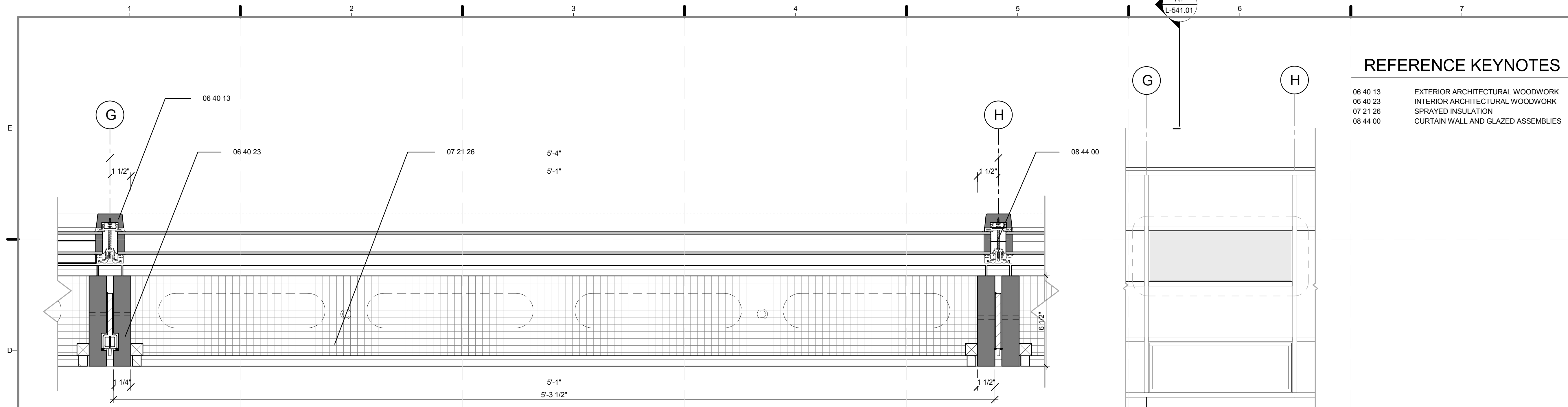
LOT NUMBER: 403
DRAWN BY: ROSTYSLAV PECHENYY
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:35:12 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- BUILDING BLOCK, TYPE A

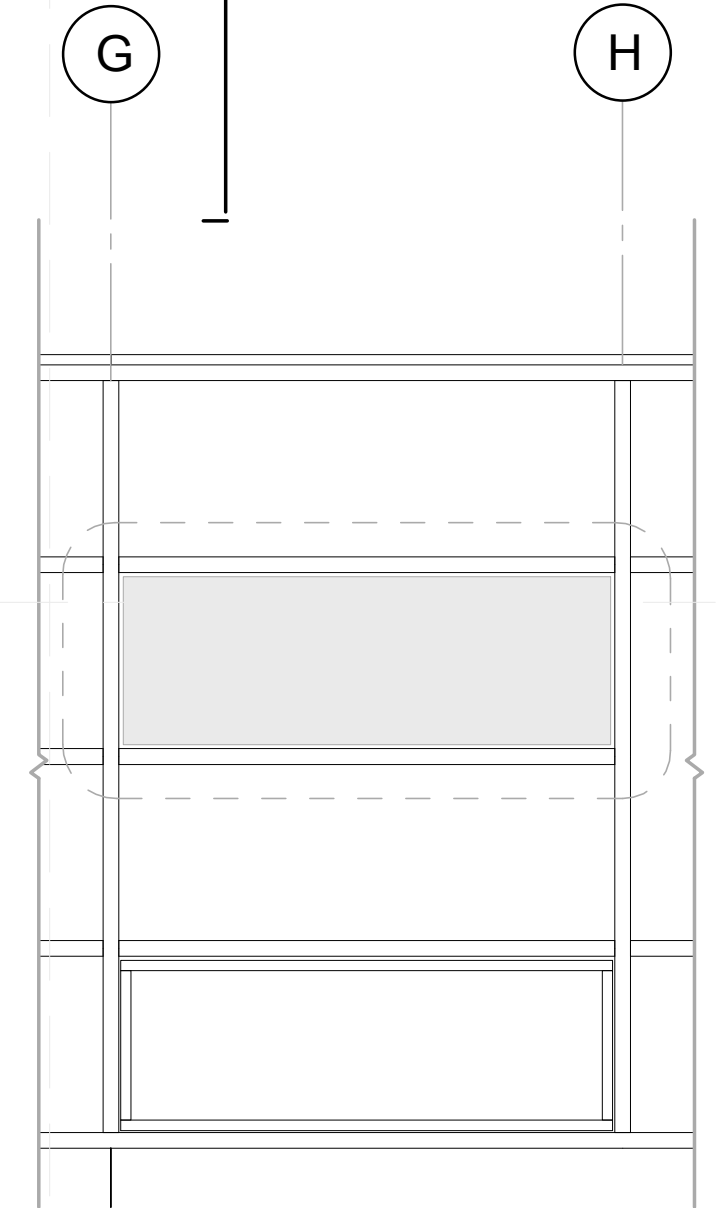
SCALE: AS INDICATED
PLAN #:

A-503.01



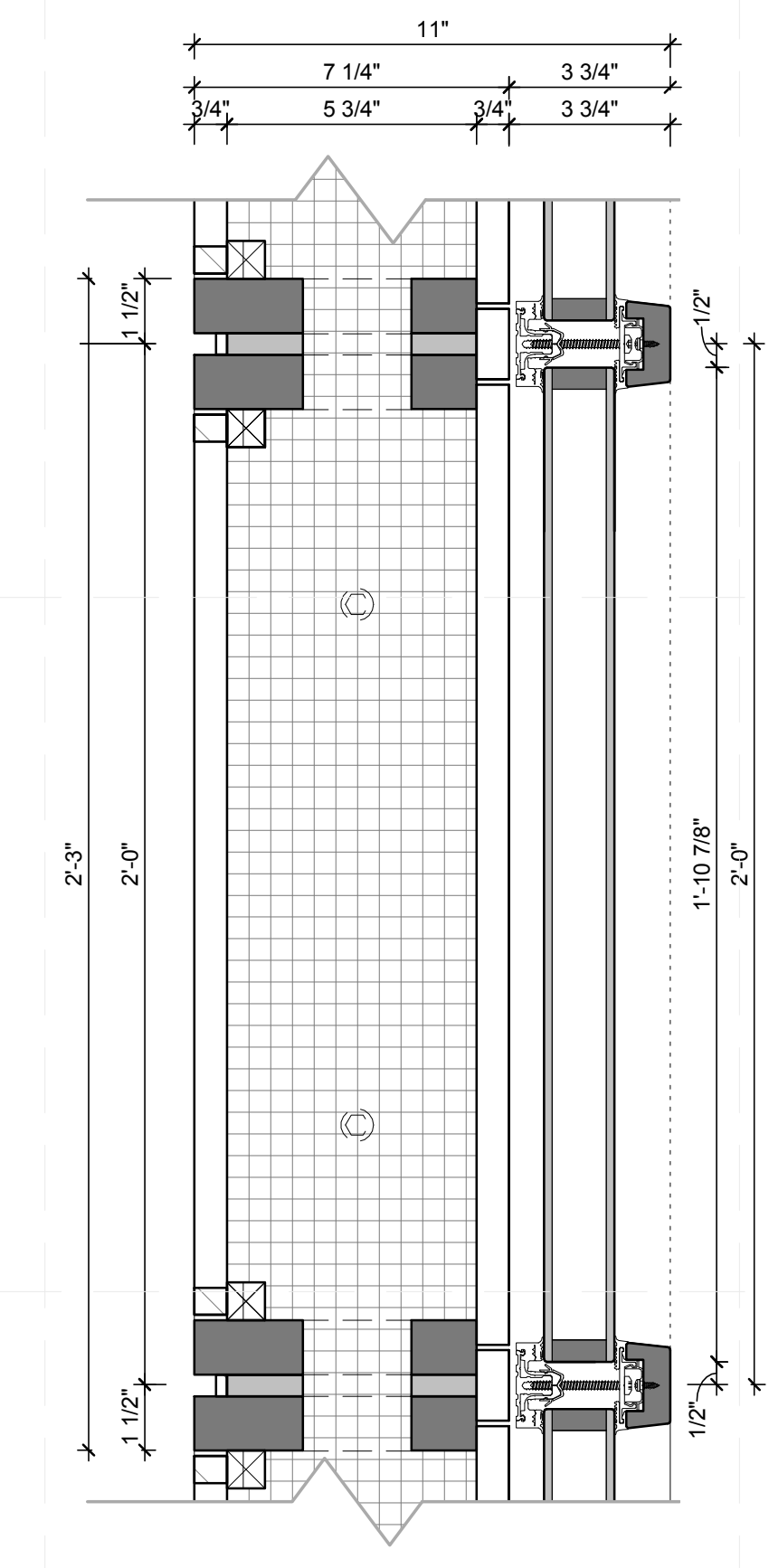
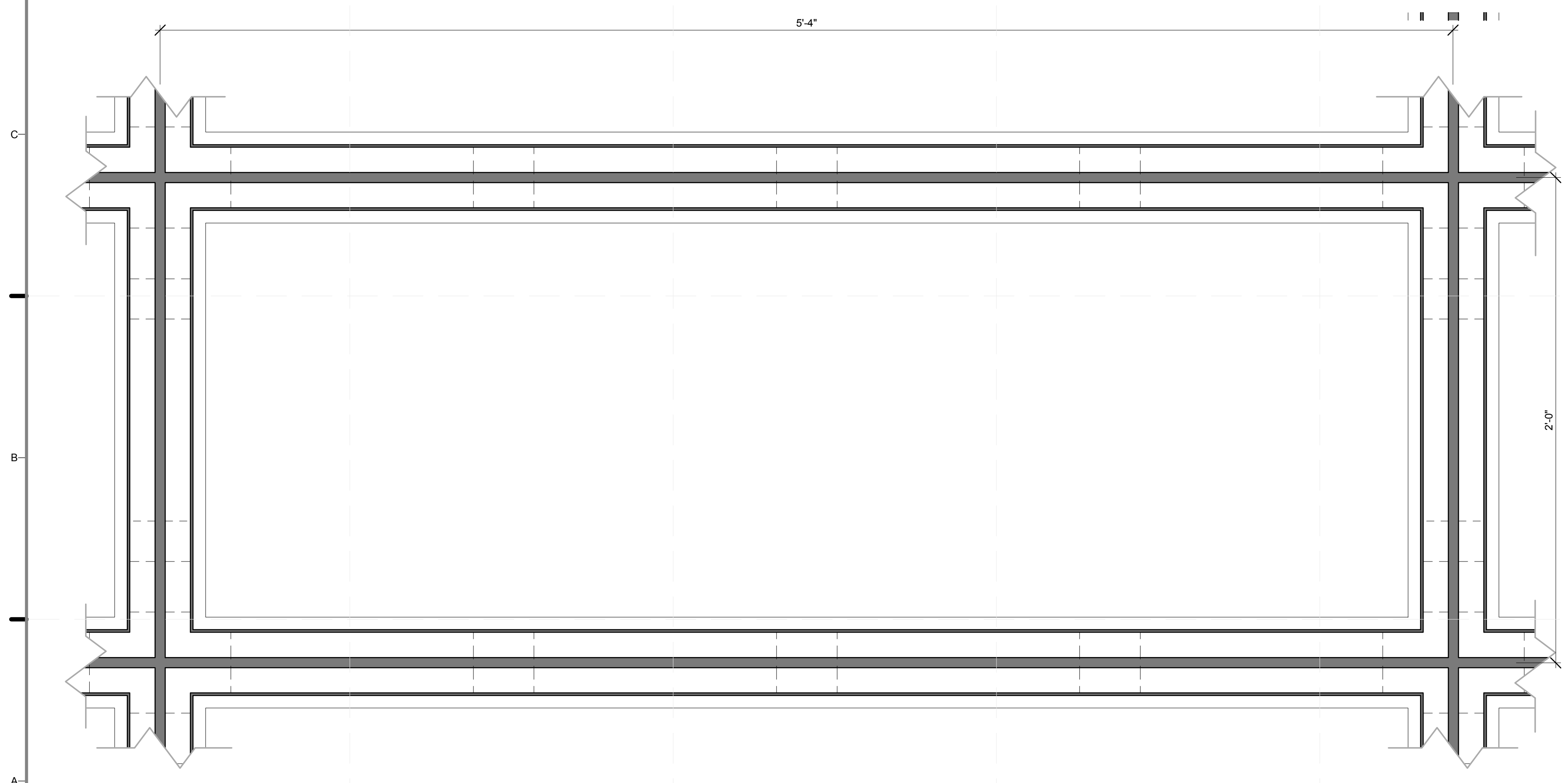
REFERENCE KEYNOTES

- 06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
- 06 40 23 INTERIOR ARCHITECTURAL WOODWORK
- 07 21 26 SPRAYED INSULATION
- 08 44 00 CURTAIN WALL AND GLAZED ASSEMBLIES



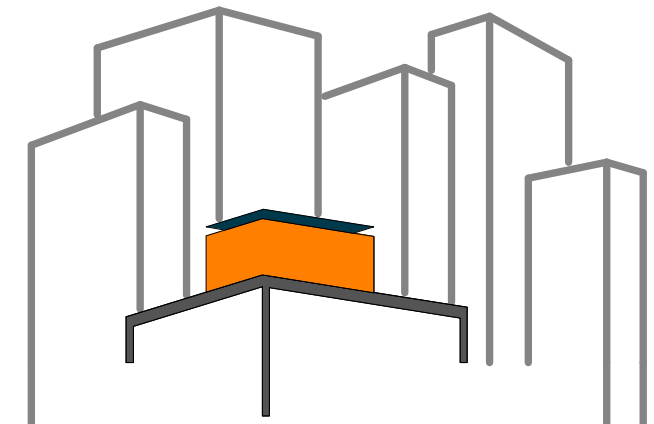
D1 BUILDING BLOCK 2 DETAIL PLAN
3" = 1'-0"

D7 BLOCK 2 S. ELEV.
1/2" = 1'-0"



A1 BUILDING BLOCK 2 INTERIOR ELEVATION
3" = 1'-0"

A7 BLOCK 2 DETAIL SECTION
3" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

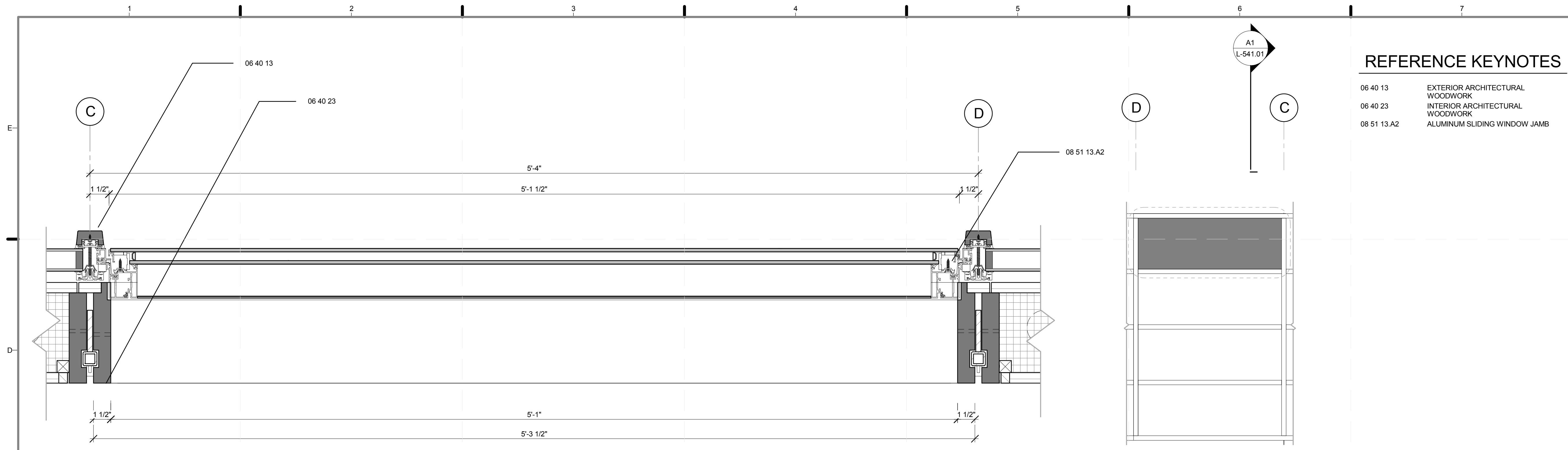
LOT NUMBER: 403
DRAWN BY: ROSTYSLAV PECHENYY
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:35:17 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- BUILDING BLOCK, TYPE B

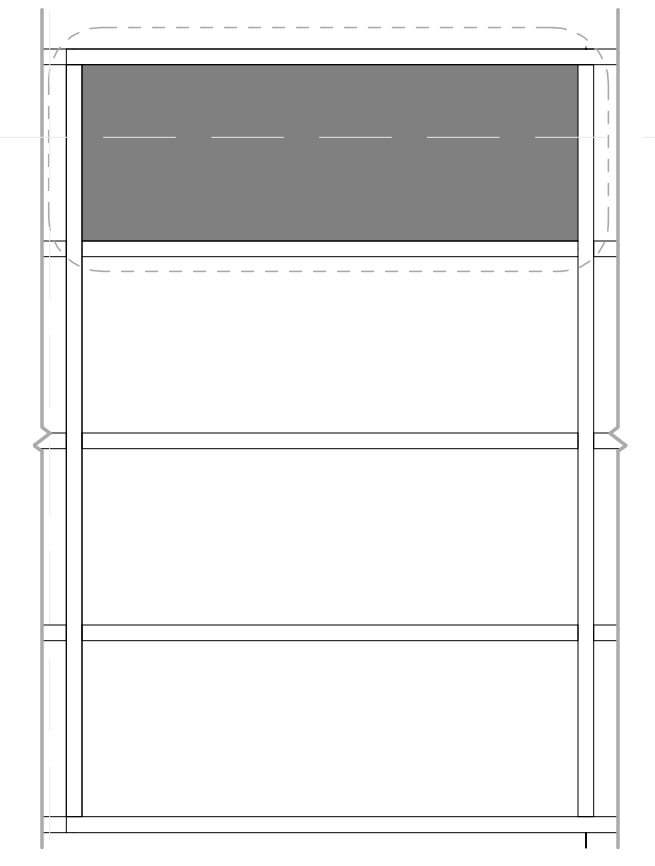
SCALE: **AS INDICATED**
PLAN #:

A-504.01

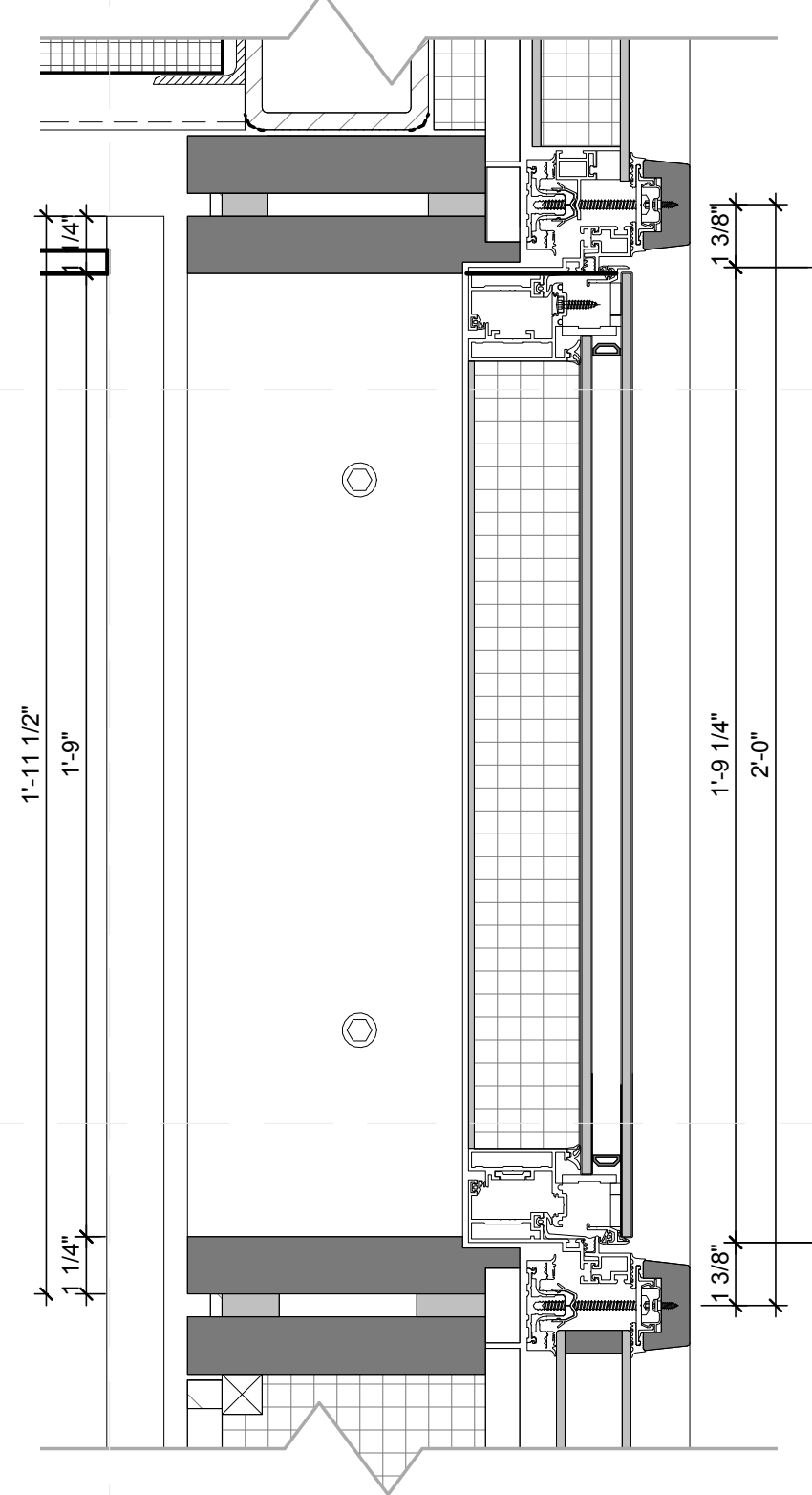
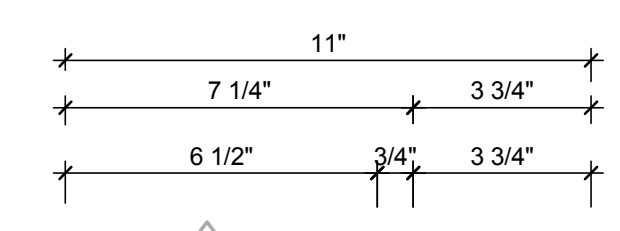


REFERENCE KEYNOTES

06 40 13	EXTERIOR ARCHITECTURAL WOODWORK
06 40 23	INTERIOR ARCHITECTURAL WOODWORK
08 51 13.A2	ALUMINUM SLIDING WINDOW JAMB

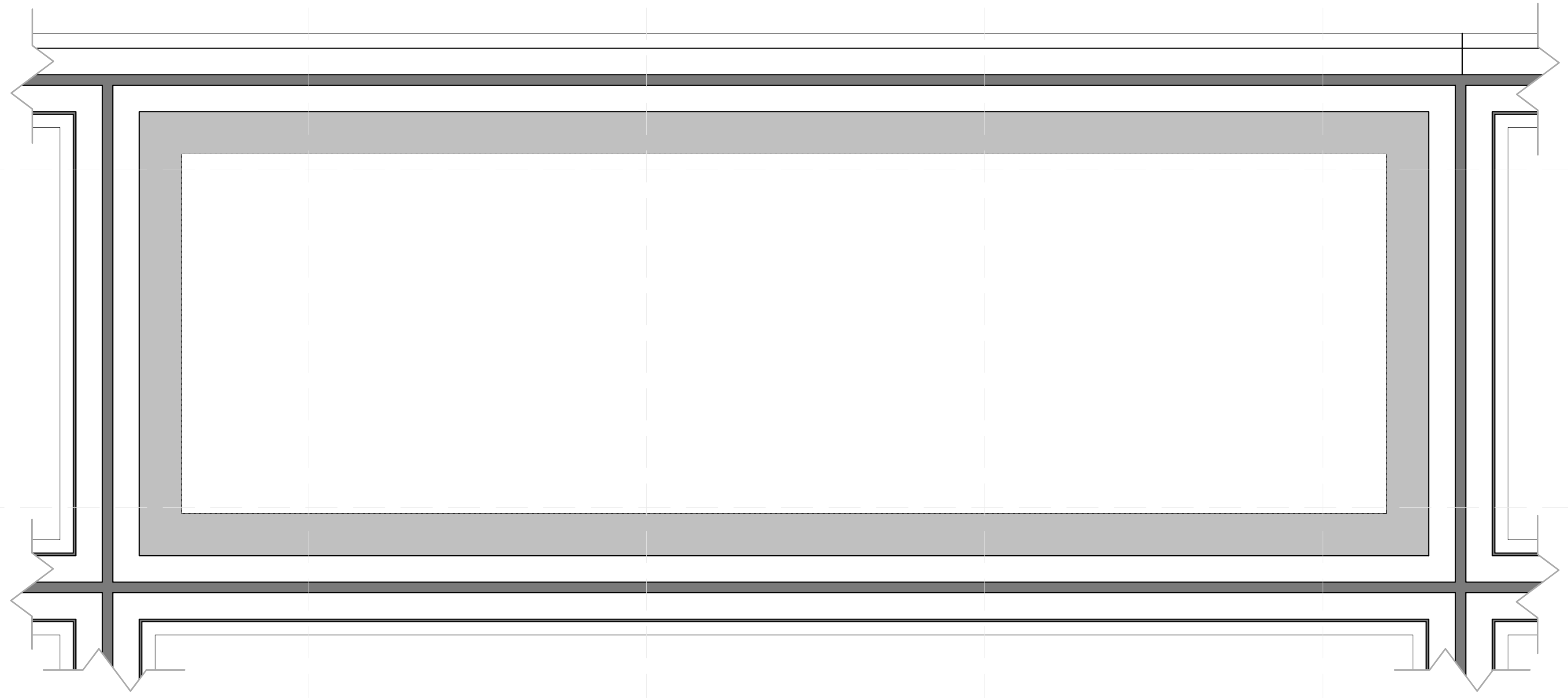


D6 BLOCK 3 N. ELEV.
1/2" = 1'-0"

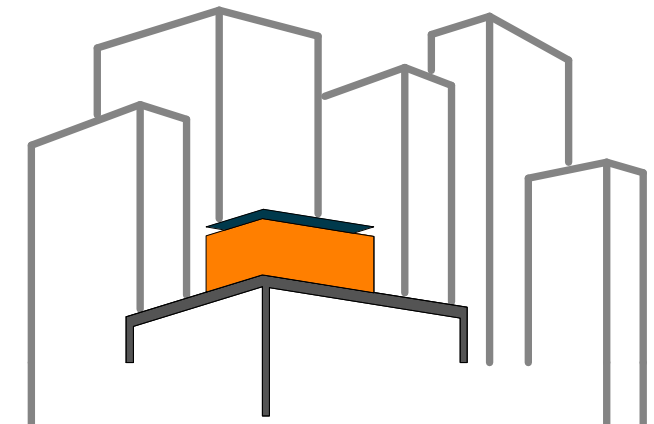


A6 BLOCK 3 DETAIL SECTION
3" = 1'-0"

D1 BUILDING BLOCK 3 DETAIL PLAN
3" = 1'-0"



1 BUILDING BLOCK 3 INTERIOR NORTH ELEVATION
3" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

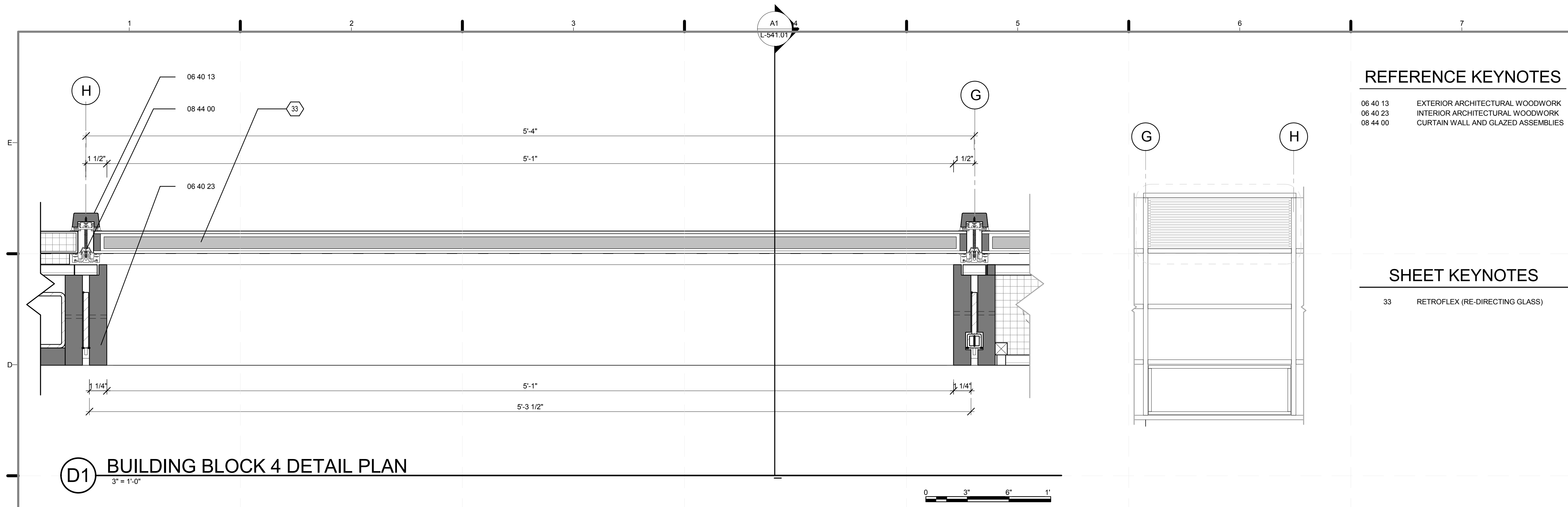
LOT NUMBER: 403
DRAWN BY: ROSTYSLAV PECHENYY
CHECKED BY: CHRISTIAN VOLKMANN
DATE: 8/12/2011 10:35:21 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

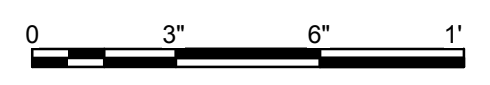
SHEET TITLE:
DETAIL- BUILDING
BLOCK, TYPE C

SCALE: 3" = 1'-0"
PLAN #:

A-505.01



D1 BUILDING BLOCK 4 DETAIL PLAN
3" = 1'-0"

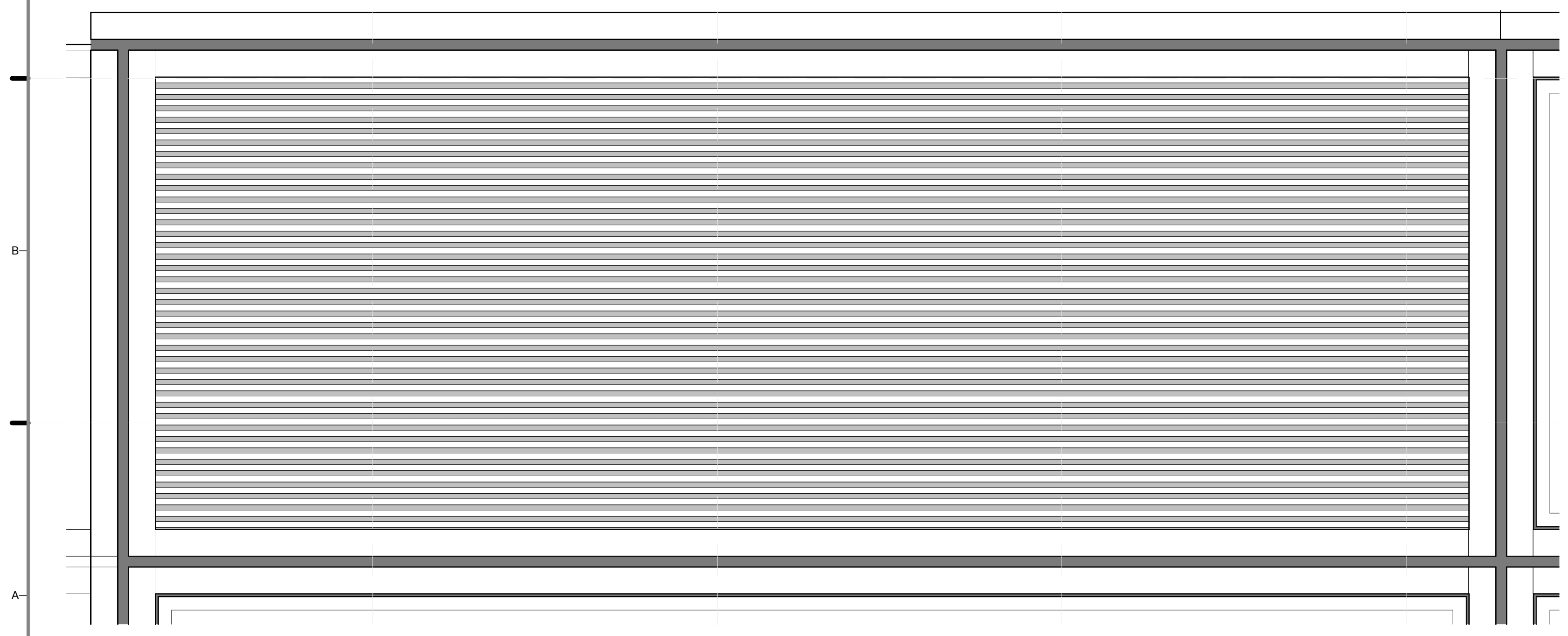
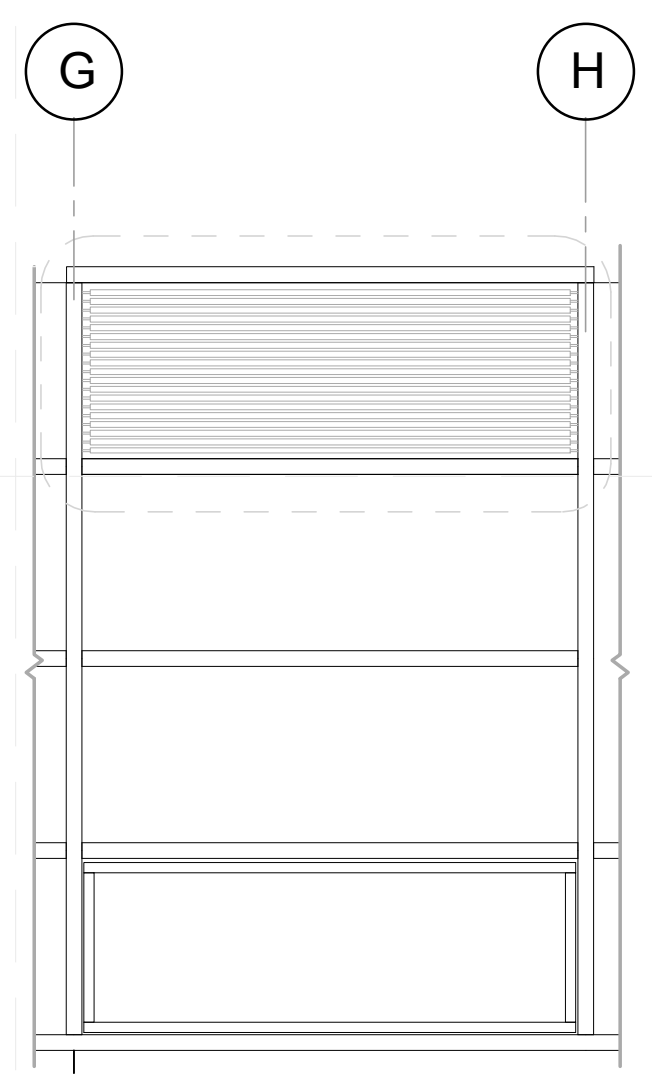


REFERENCE KEYNOTES

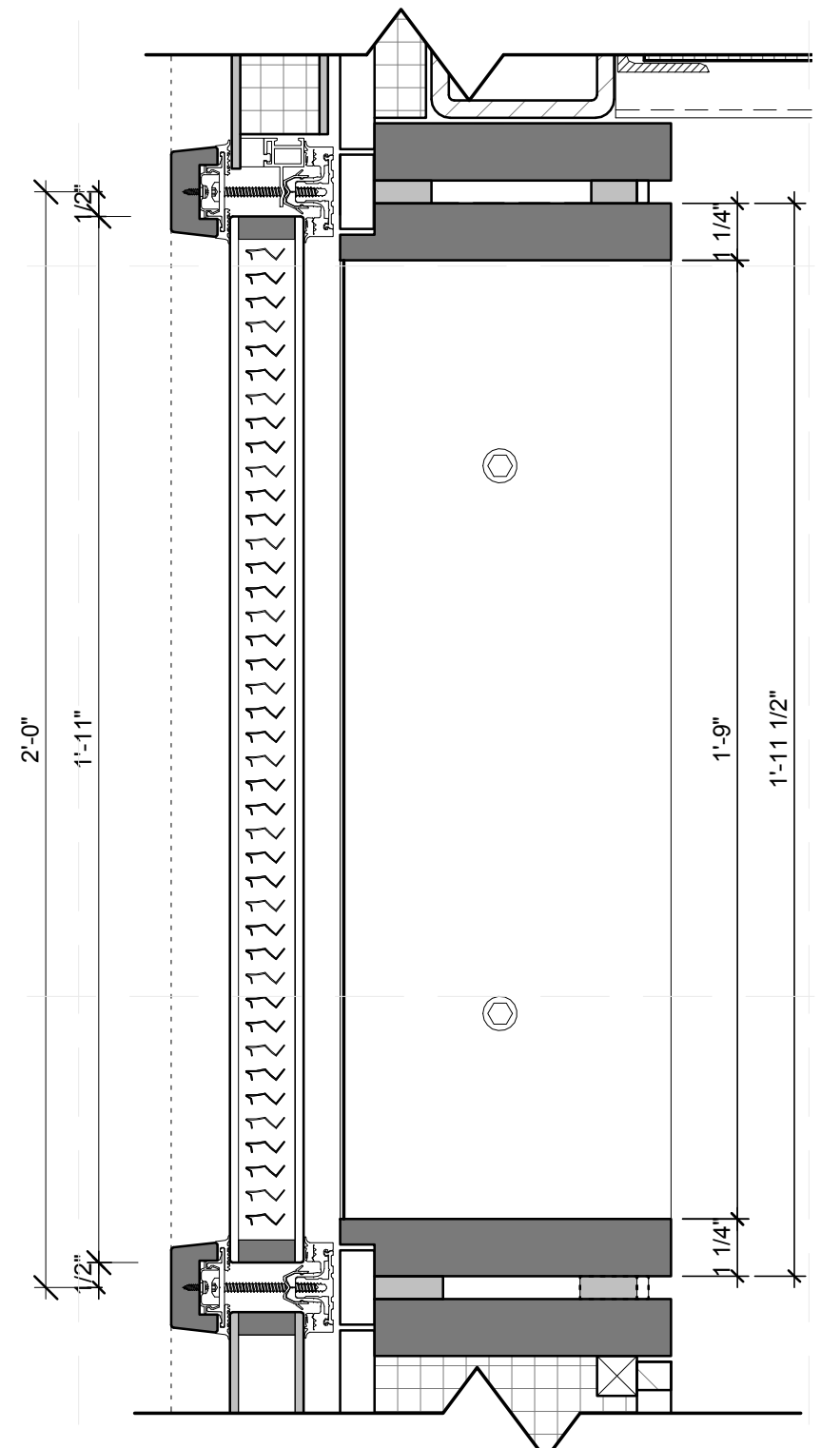
- 06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
- 06 40 23 INTERIOR ARCHITECTURAL WOODWORK
- 08 44 00 CURTAIN WALL AND GLAZED ASSEMBLIES

SHEET KEYNOTES

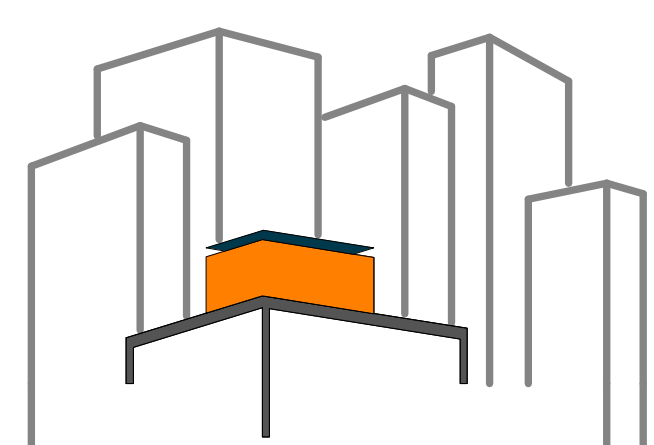
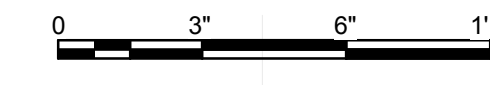
- 33 RETROFLEX (RE-DIRECTING GLASS)



A1 BUILDING BLOCK 4 INTERIOR ELEVATION
3" = 1'-0"



A6 BUILDING BLOCK 4 DETAIL SECTION
3" = 1'-0"



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

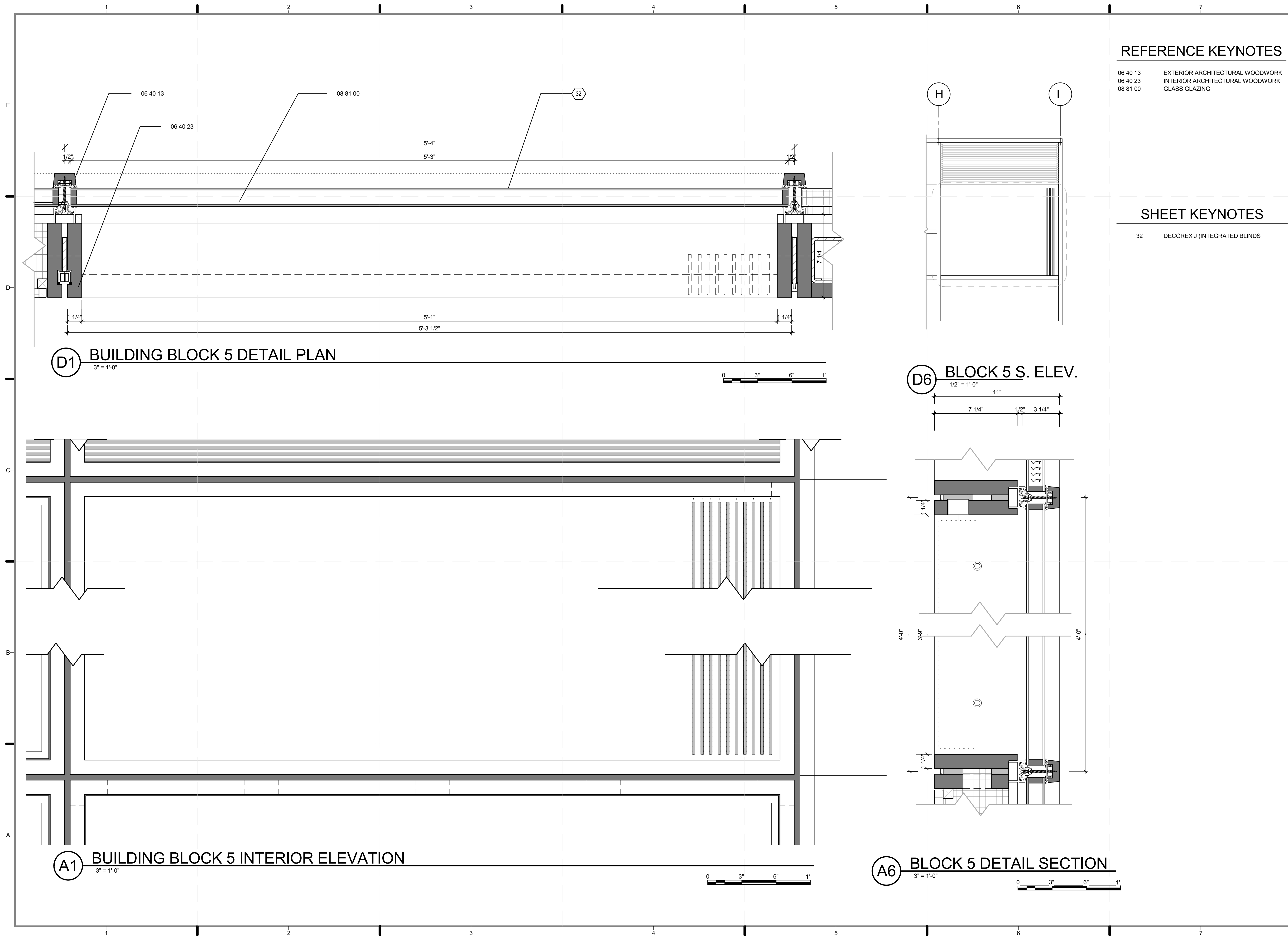
LOT NUMBER: 403
DRAWN BY: ROSTYSLAV PECHENYY
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:35:27 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- BUILDING BLOCK, TYPE D

SCALE: **3" = 1'-0"**
PLAN #:

A-506.01

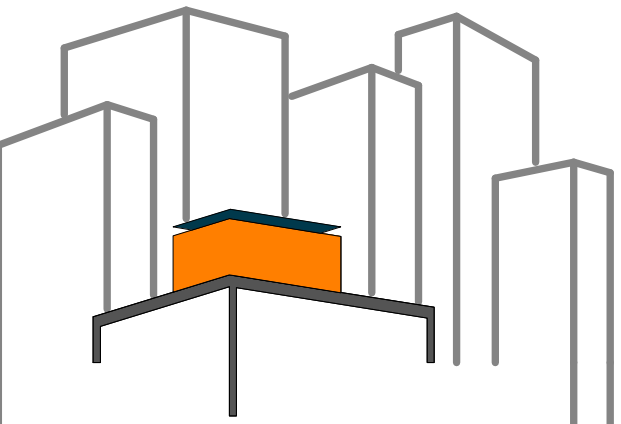


REFERENCE KEYNOTES

06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
 06 40 23 INTERIOR ARCHITECTURAL WOODWORK
 08 81 00 GLASS GLAZING

SHEET KEYNOTES

32 DECOREX J (INTEGRATED BLINDS)



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

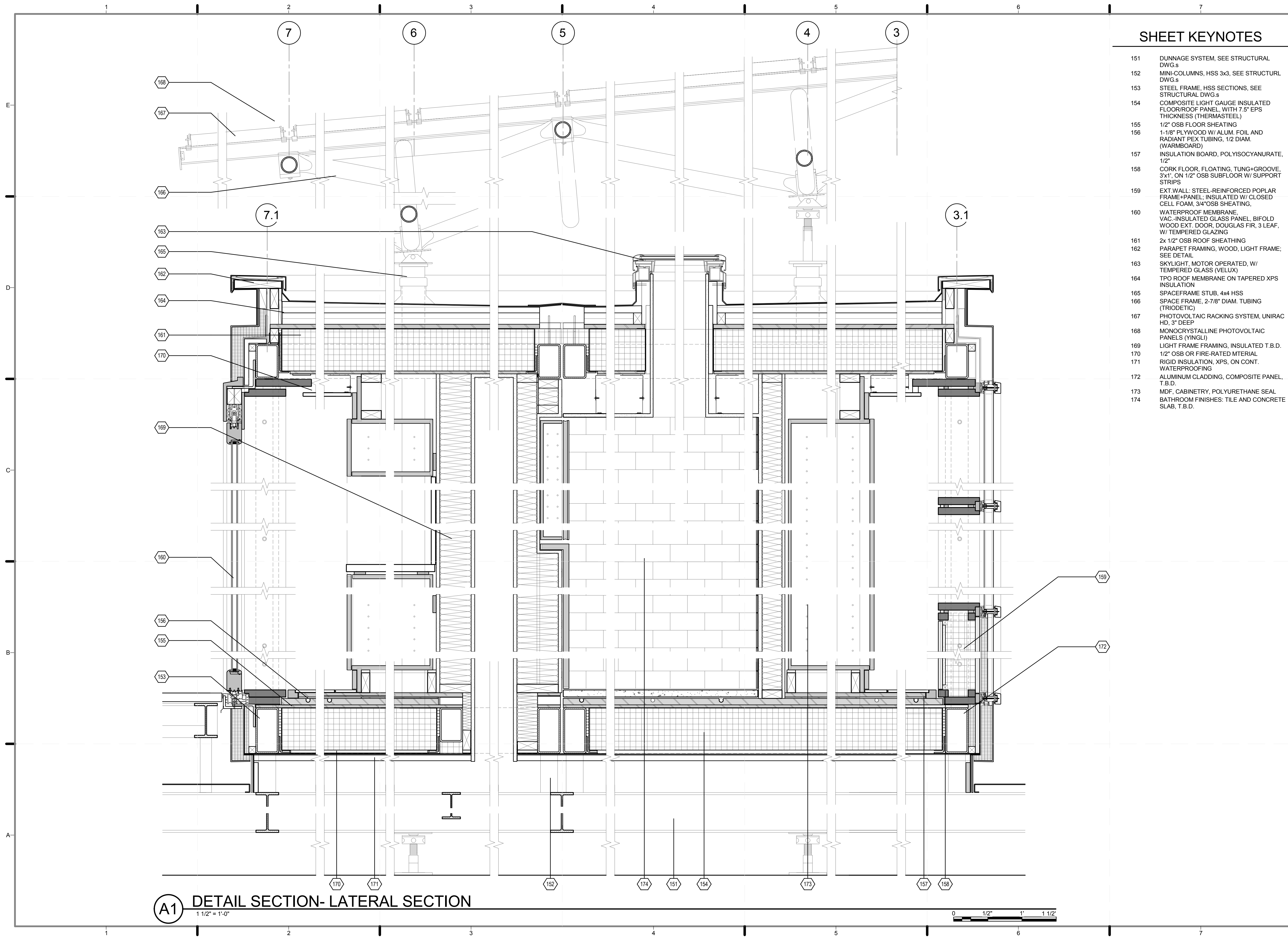
LOT NUMBER: 403
 DRAWN BY: ROSTYSLAV PECHENYY
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:35:31 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 DETAIL- BUILDING
 BLOCK, TYPE E

SCALE: 3" = 1'-0"
 PLAN #:

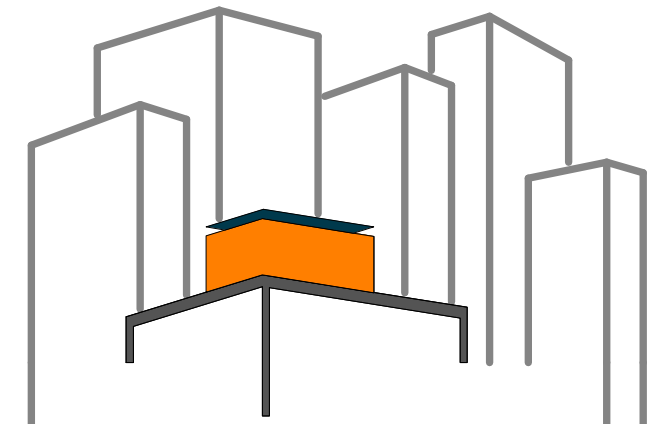
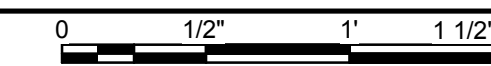
A-507.01



SHEET KEYNOTES

- 151 DUNNAGE SYSTEM, SEE STRUCTURAL DWG.s
- 152 MINI-COLUMNS, HSS 3x3, SEE STRUCTURAL DWG.s
- 153 STEEL FRAME, HSS SECTIONS, SEE STRUCTURAL DWG.s
- 154 COMPOSITE LIGHT GAUGE INSULATED FLOOR/ROOF PANEL, WITH 7.5" EPS THICKNESS (THERMASTEEL)
- 155 1/2" OSB FLOOR SHEATING
- 156 1-1/8" PLYWOOD W/ ALUM. FOIL AND RADIANT PEX TUBING, 1/2 DIAM. (WARMBOARD)
- 157 INSULATION BOARD, POLYISOCYANURATE, 1/2"
- 158 CORK FLOOR, FLOATING, TUNG+GROOVE, 3x1', ON 1/2" OSB SUBFLOOR W/ SUPPORT STRIPS
- 159 EXT. WALL: STEEL-REINFORCED POPLAR FRAME+PANEL; INSULATED W/ CLOSED CELL FOAM, 3/4" OSB SHEATING,
- 160 WATERPROOF MEMBRANE, VAC.-INSULATED GLASS PANEL, BIFOLD WOOD EXT. DOOR, DOUGLAS FIR, 3 LEAF, W/ TEMPERED GLAZING
- 161 2x 1/2" OSB ROOF SHEATHING
- 162 PARAPET FRAMING, WOOD, LIGHT FRAME; SEE DETAIL
- 163 SKYLIGHT, MOTOR OPERATED, W/ TEMPERED GLASS (VELUX)
- 164 TPO ROOF MEMBRANE ON TAPERED XPS INSULATION
- 165 SPACEFRAME STUB, 4x4 HSS
- 166 SPACE FRAME, 2-7/8" DIAM. TUBING (TRIODETIC)
- 167 PHOTOVOLTAIC RACKING SYSTEM, UNIRAC HD, 3" DEEP
- 168 MONOCRYSTALLINE PHOTOVOLTAIC PANELS (YINGLI)
- 169 LIGHT FRAME FRAMING, INSULATED T.B.D.
- 170 1/2" OSB OR FIRE-RATED MATERIAL
- 171 RIGID INSULATION, XPS, ON CONT. WATERPROOFING
- 172 ALUMINUM CLADDING, COMPOSITE PANEL, T.B.D.
- 173 MDF, CABINETRY, POLYURETHANE SEAL
- 174 BATHROOM FINISHES: TILE AND CONCRETE SLAB, T.B.D.

(A1) DETAIL SECTION- LATERAL SECTION
1 1/2" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

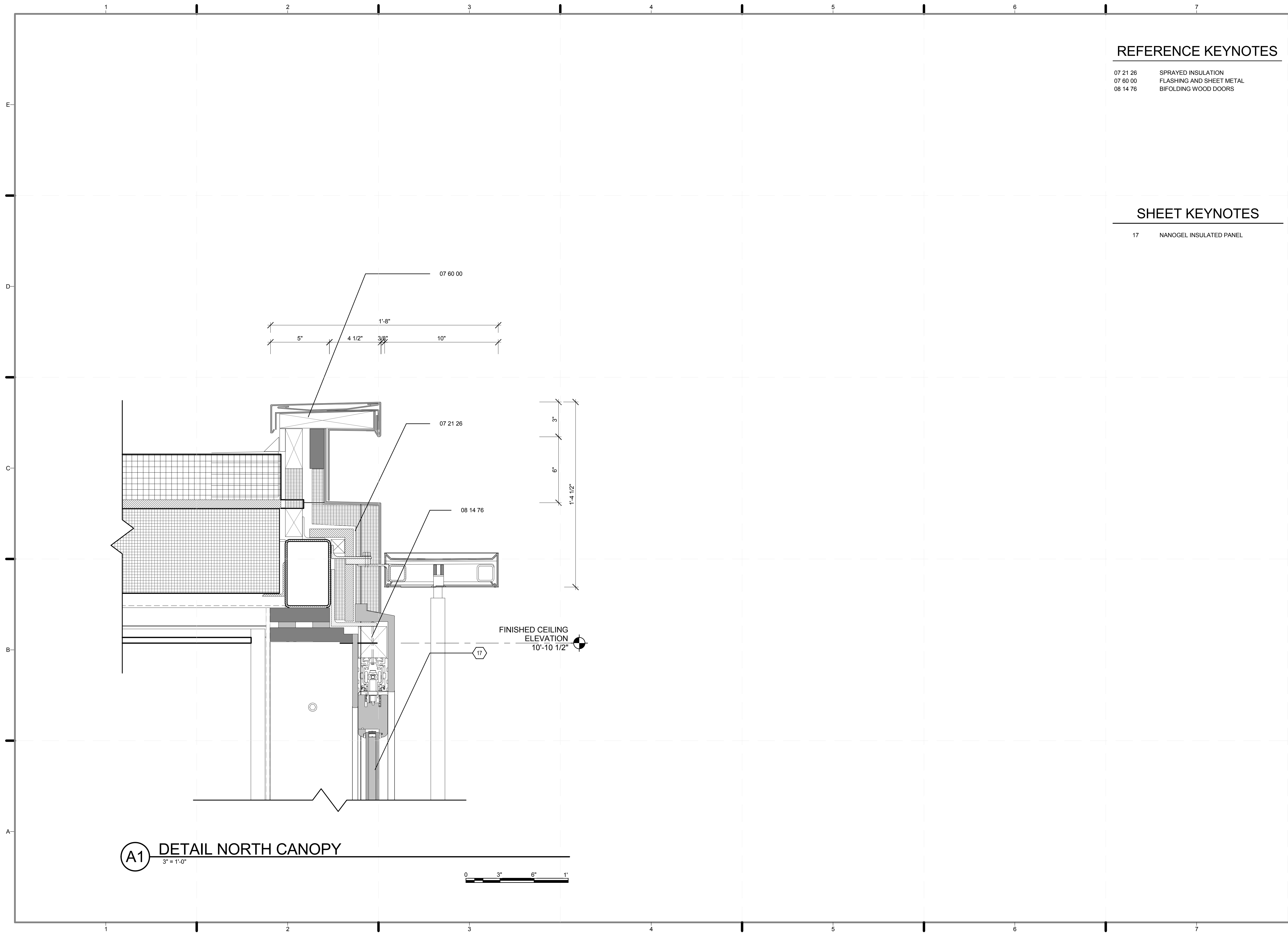
LOT NUMBER: 403
DRAWN BY: **SAMUEL MIKHAIL**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:35:35 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- LATERAL SECTION THROUGH BUILDING

SCALE: **3" = 1'-0"**
PLAN #:

A-511.01



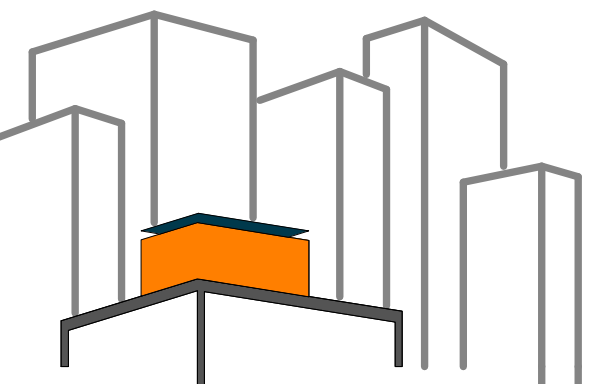
REFERENCE KEYNOTES

07 21 26 SPRAYED INSULATION
 07 60 00 FLASHING AND SHEET METAL
 08 14 76 BIFOLDING WOOD DOORS

SHEET KEYNOTES

17 NANOGEL INSULATED PANEL

A1 DETAIL NORTH CANOPY
 3" = 1'-0"



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
 DRAWN BY: **MARY DOUMAS**
 CHECKED BY: **CHRISTIAN VOLKMANN**
 DATE: **8/12/2011 10:35:39 PM**

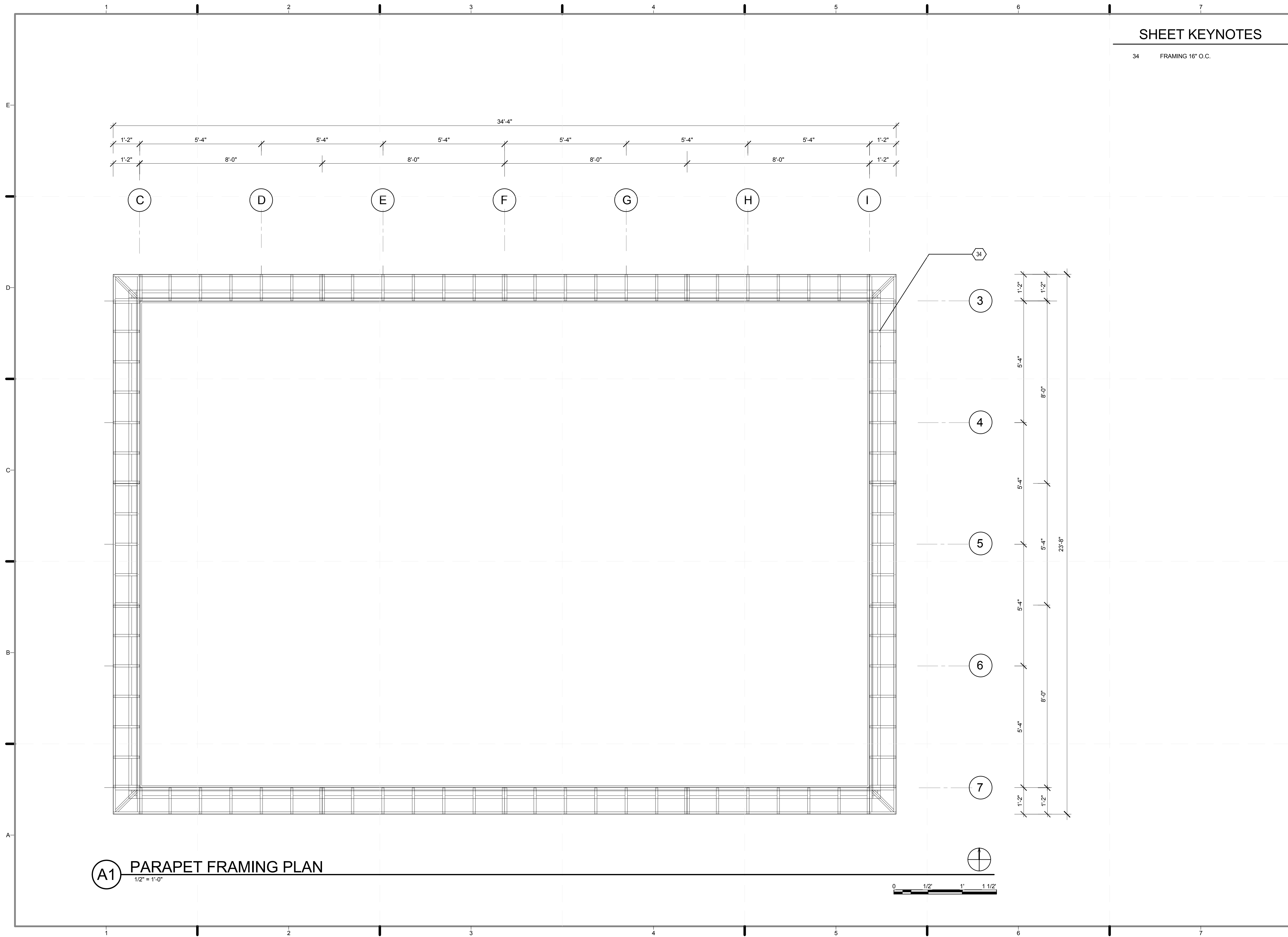
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- NORTH
ENTRANCE CANOPY

SCALE: **3" = 1'-0"**

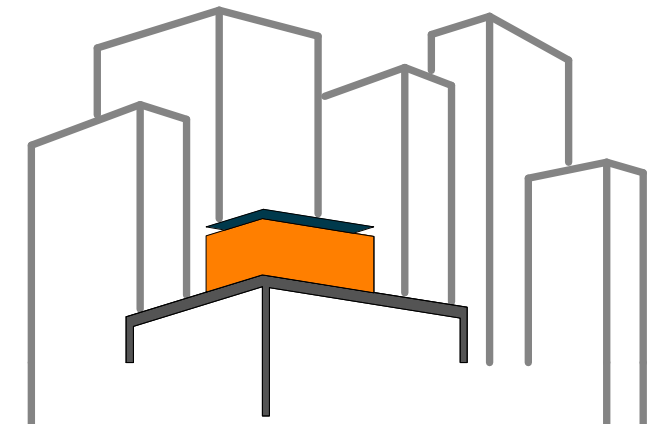
PLAN #:

A-512.01



SHEET KEYNOTES

34 FRAMING 16" O.C.



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **ALEX GUREVICH**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:35:42 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

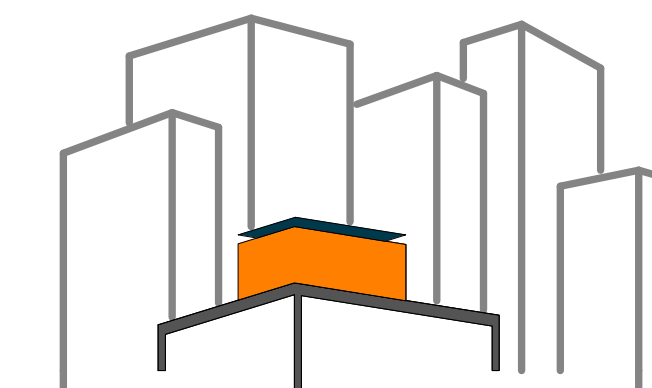
SHEET TITLE:
PARAPET FRAMING PLAN

SCALE: **1/2" = 1'-0"**

PLAN #:

A-514.01

(A1) PARAPET FRAMING PLAN
1/2" = 1'-0"



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ALEX GUREVICH

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:35:44 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- PARAPET

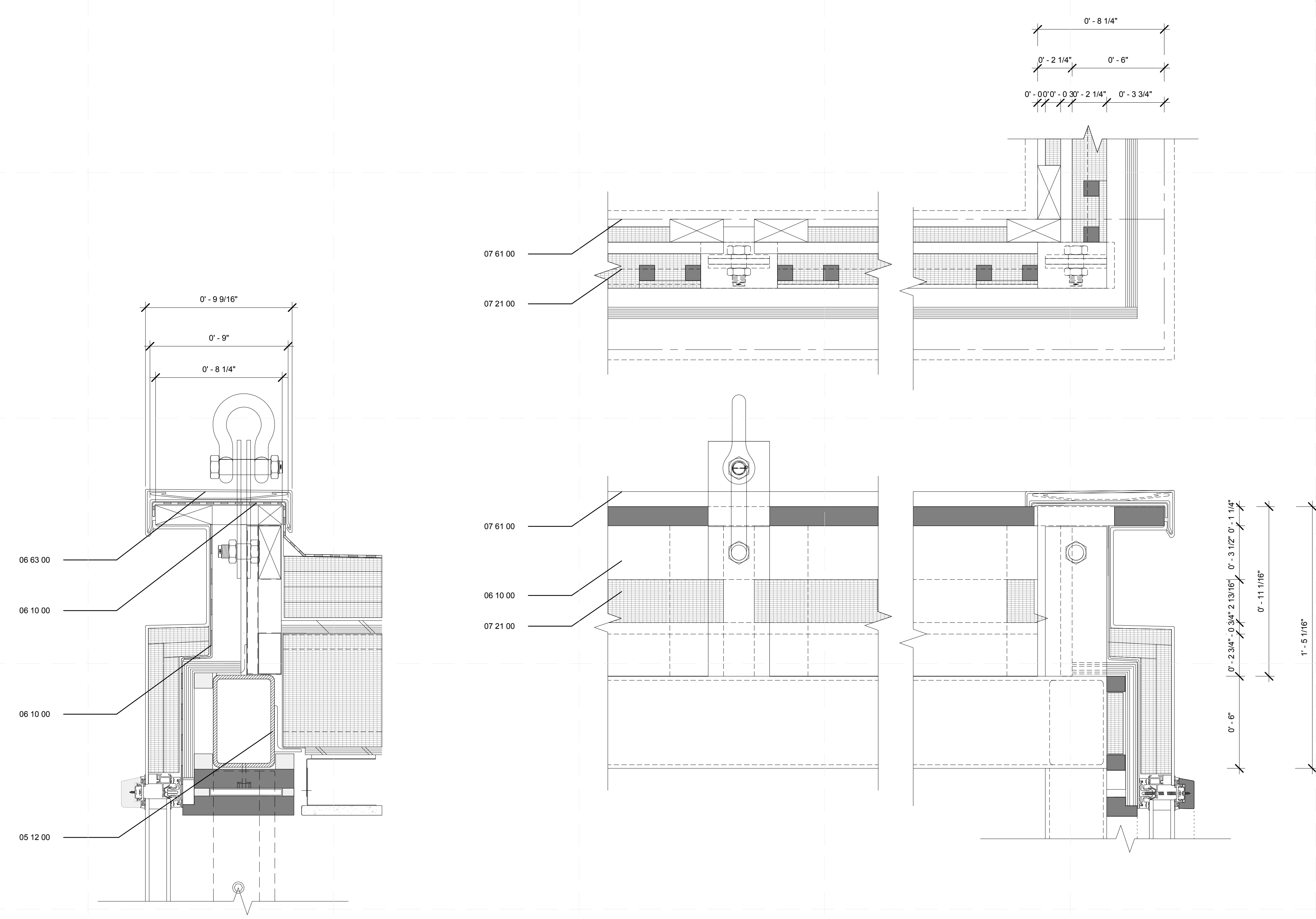
SCALE: 3" = 1'-0"

PLAN #:

A-515.01

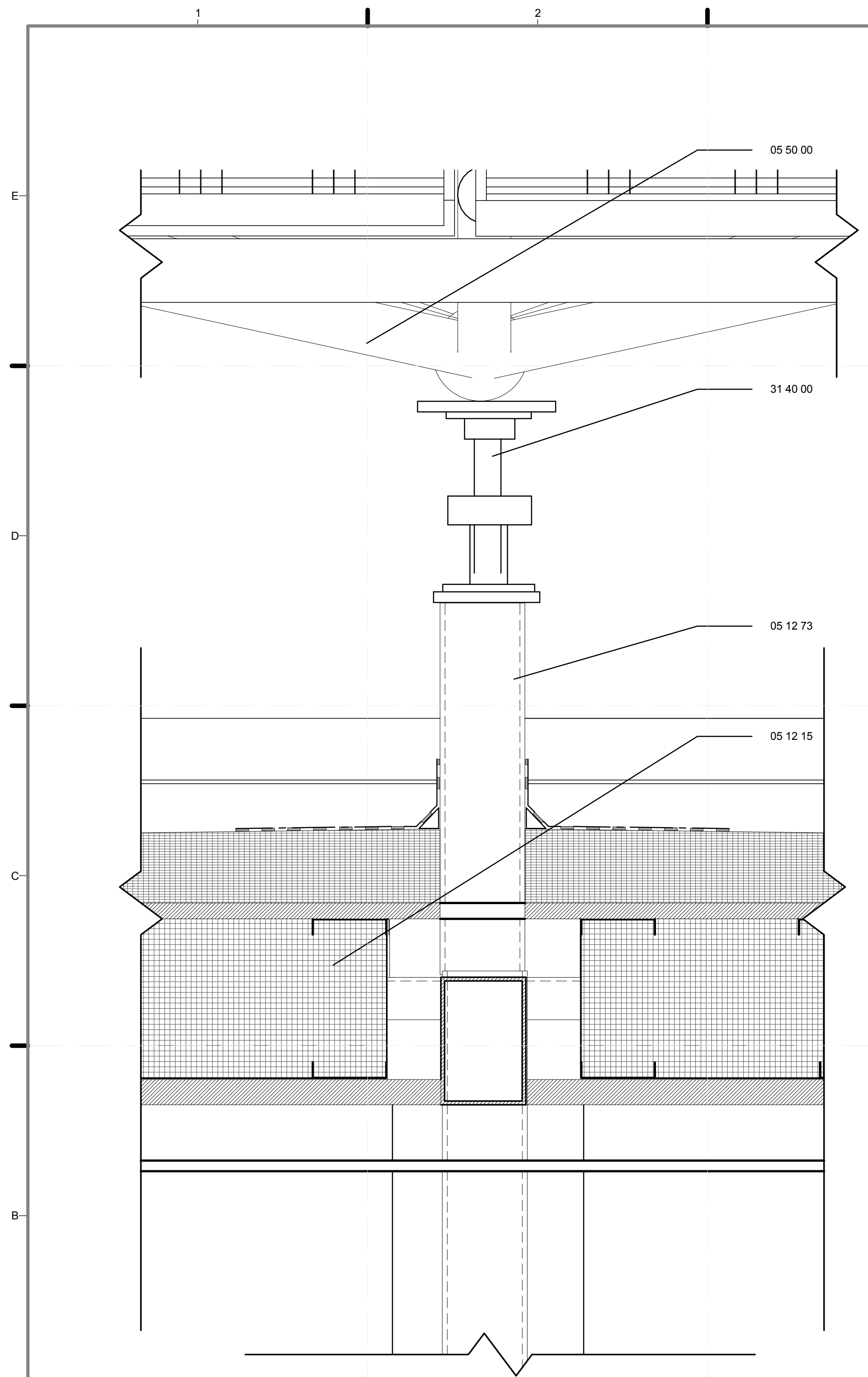
REFERENCE KEYNOTES

- | | |
|----------|--------------------------|
| 05 12 00 | STRUCTURAL STEEL FRAMING |
| 06 10 00 | ROUGH CARPENTRY |
| 06 63 00 | PLASTIC RAILINGS |
| 07 21 00 | THERMAL INSULATION |
| 07 61 00 | SHEET METAL ROOFING |

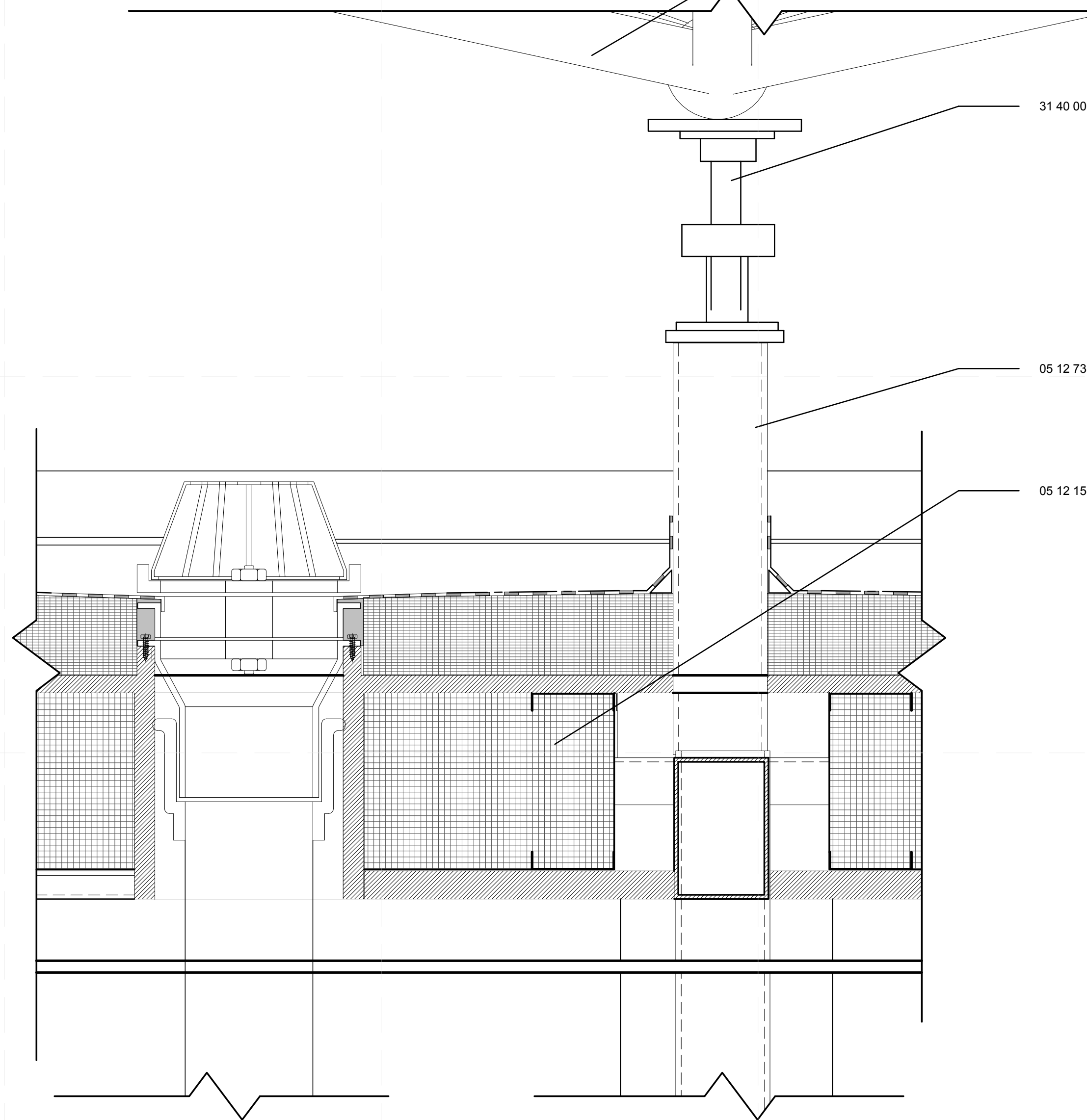


B1 PARAPET SECTION DETAIL
3" = 1'-0"
0 3" 6" 1'

B4 PARAPET ELEVATION SECTION DETAIL/LARSOL STUD
3" = 1'-0"
0 3" 6" 1'



B1 ROOF PENETRATION DETAIL
3" = 1'-0"

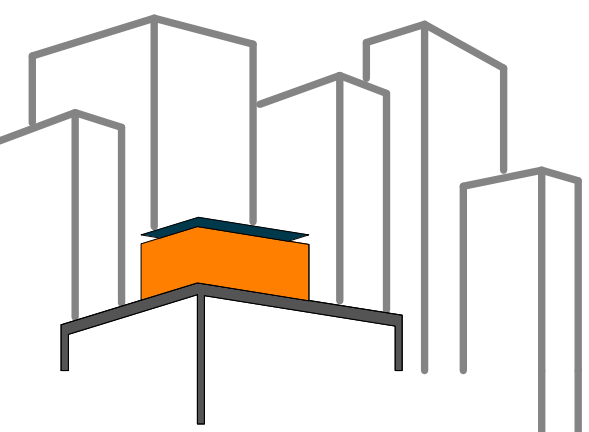


B4 ROOF DRAIN DETAIL
3" = 1'-0"



REFERENCE KEYNOTES

- 05 12 15 LIGHT GAUGE STRUCTURAL FRAMING WITH EPS INSULATION
- 05 12 73 TUBE SHAPE
- 05 50 00 METAL FABRICATIONS
- 31 40 00 SHORING AND UNDERPINNING



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:35:48 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

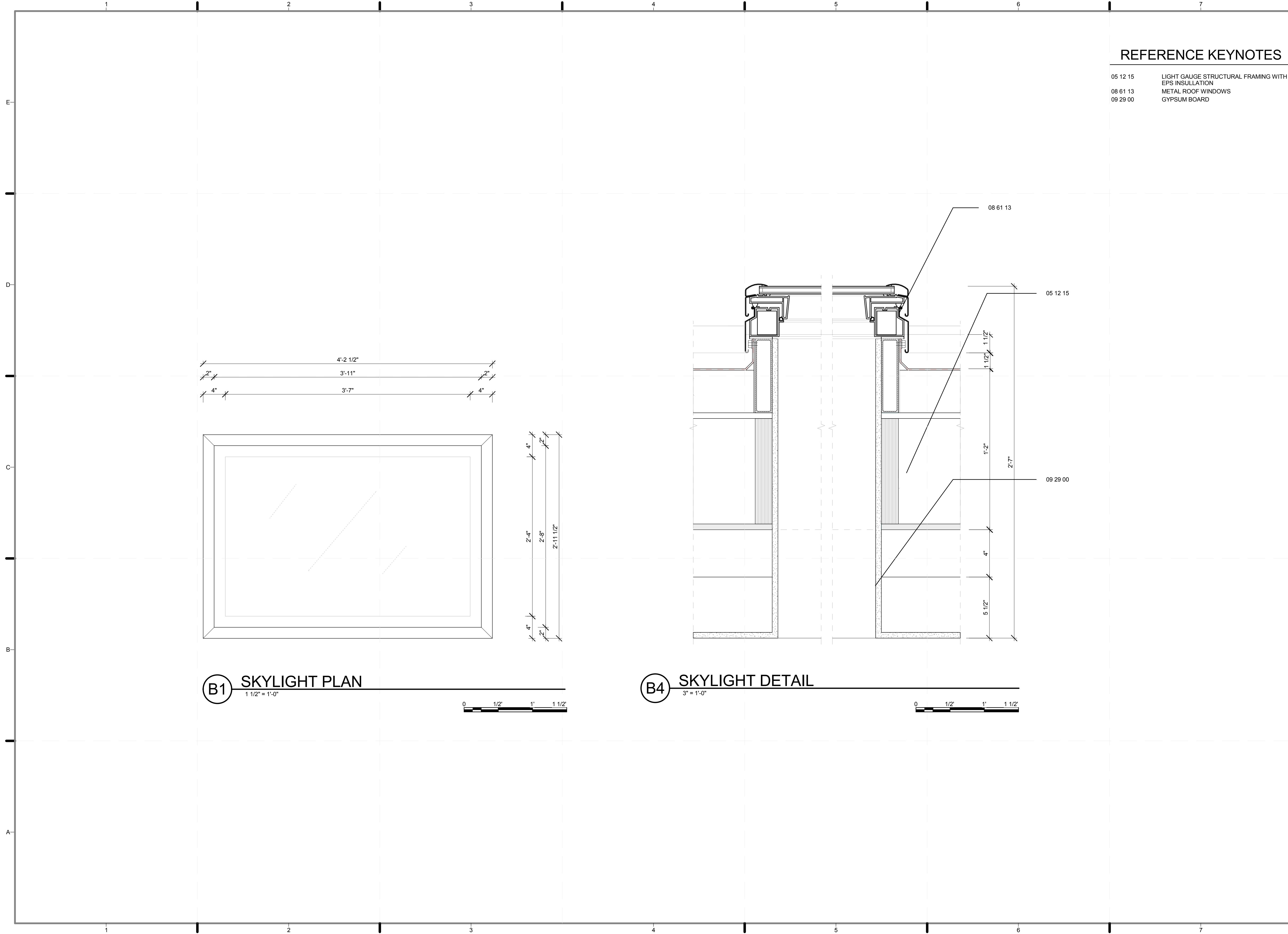
SHEET TITLE:

DETAIL- ROOF
PENETRETIIONS

SCALE: 3" = 1'-0"

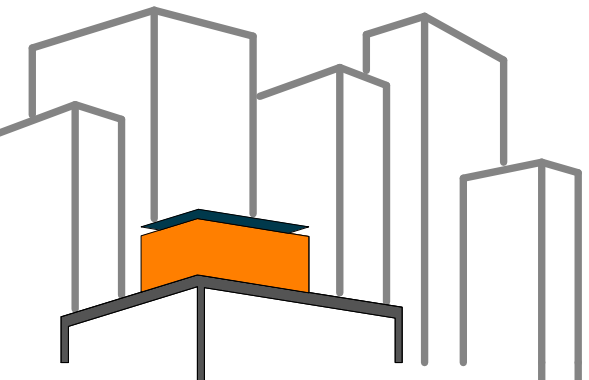
PLAN #:

A-531.01



REFERENCE KEYNOTES

05 12 15	LIGHT GAUGE STRUCTURAL FRAMING WITH EPS INSULATION
08 61 13	METAL ROOF WINDOWS
09 29 00	GYPSON BOARD



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

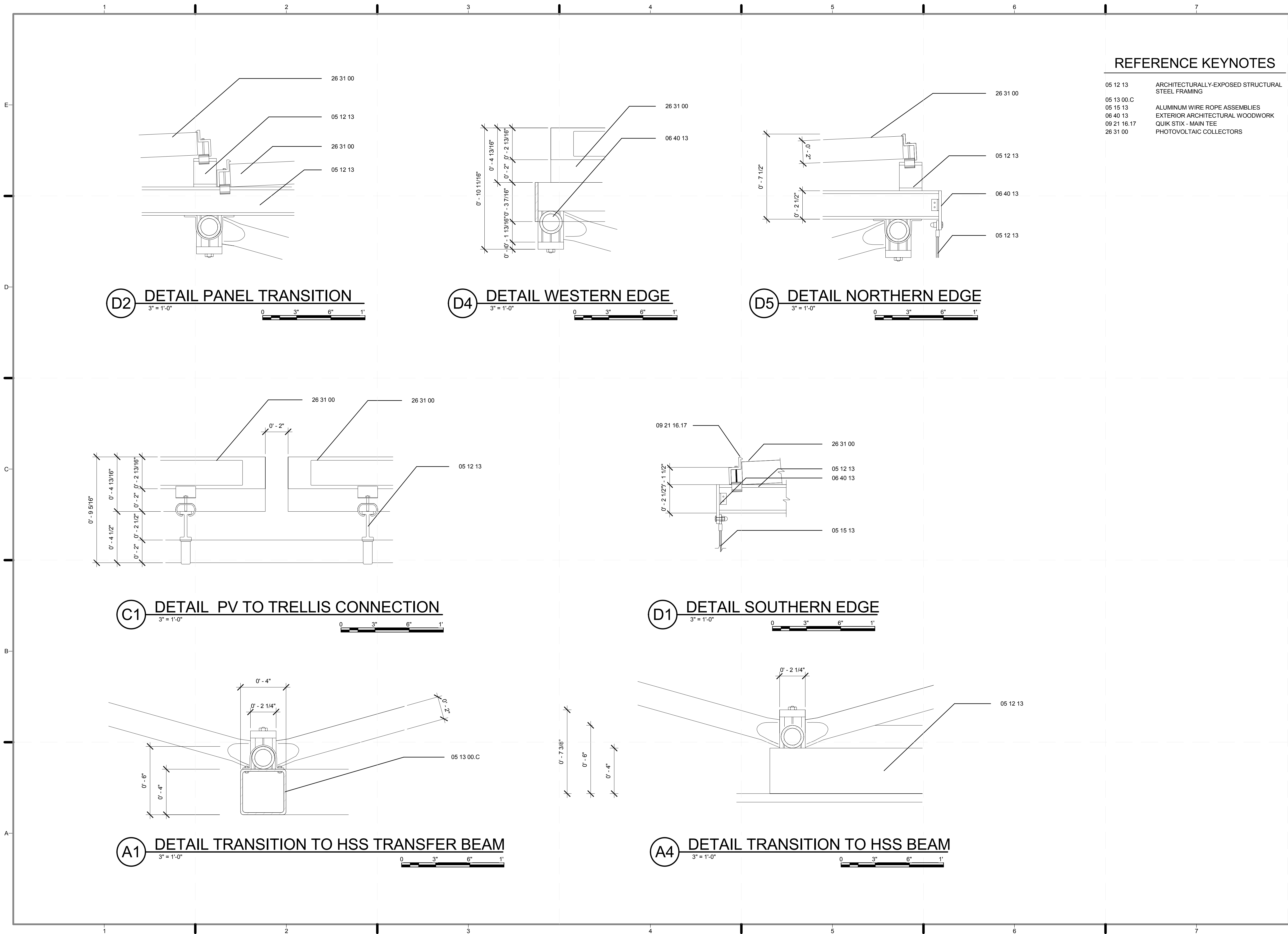
LOT NUMBER: **403**
DRAWN BY: **GEORGE FAHIM**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:35:50 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- SKYLIGHT

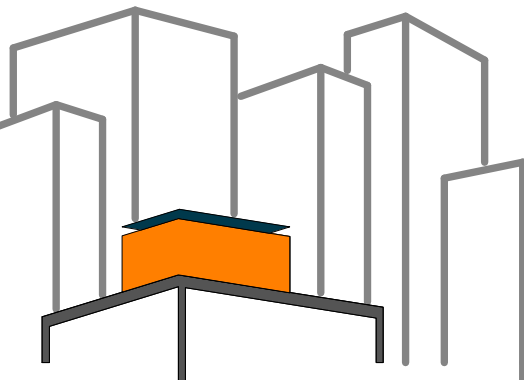
SCALE: **AS INDICATED**
PLAN #:

A-533.01



REFERENCE KEYNOTES

- 05 12 13 ARCHITECTURALLY-EXPOSED STRUCTURAL STEEL FRAMING
- 05 13 00.C ALUMINUM WIRE ROPE ASSEMBLIES
- 06 40 13 EXTERIOR ARCHITECTURAL WOODWORK
- 09 21 16.17 QUIK STIX - MAIN TEE
- 26 31 00 PHOTOVOLTAIC COLLECTORS



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd11@gmail.com



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

REVISIONS: DATE / NAME

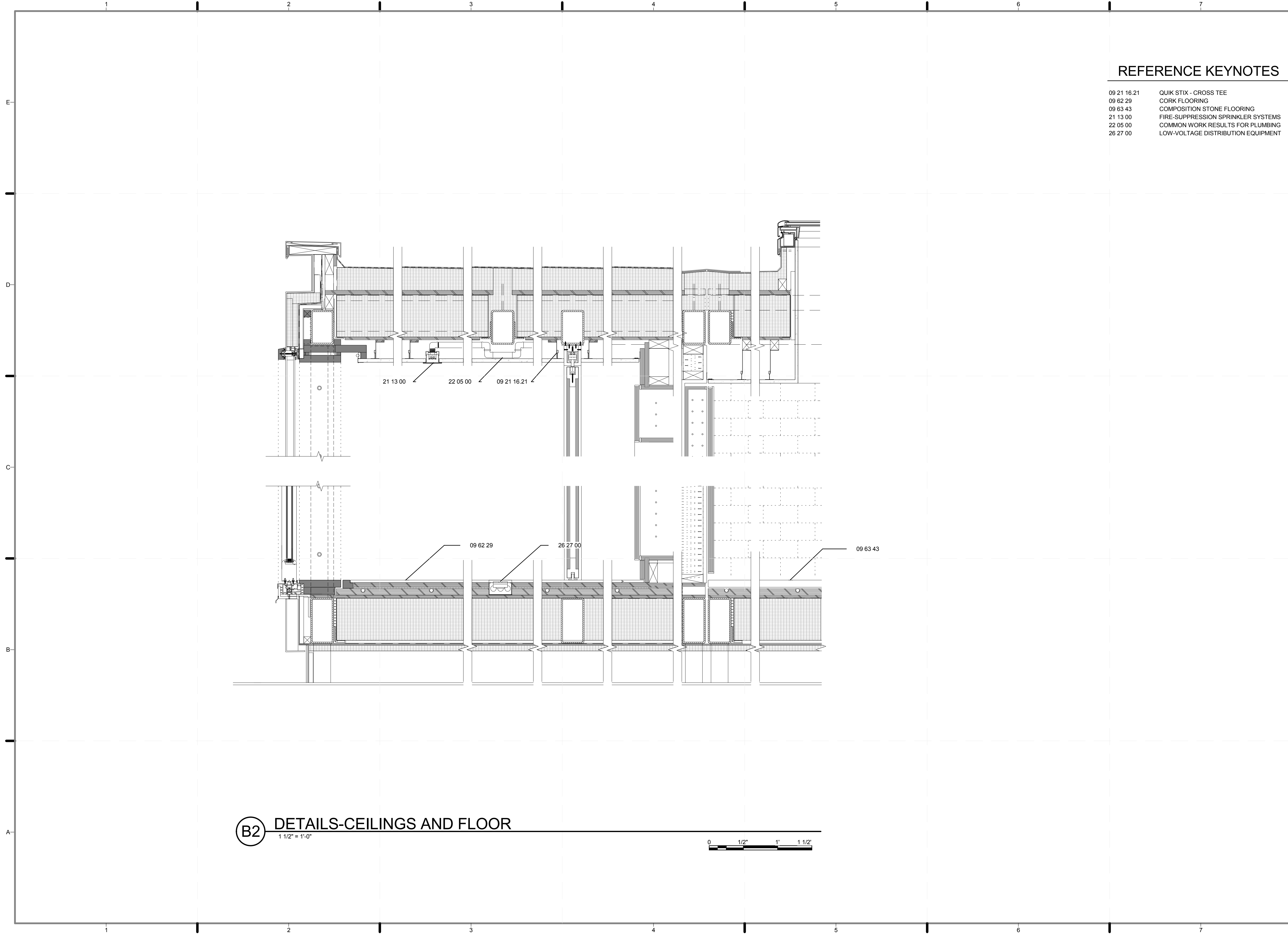
LOT NUMBER: **403**
DRAWN BY: **CHRIS HOPSTOCK**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:35:53 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL-PHOTOVOLTAIC TRELLIS

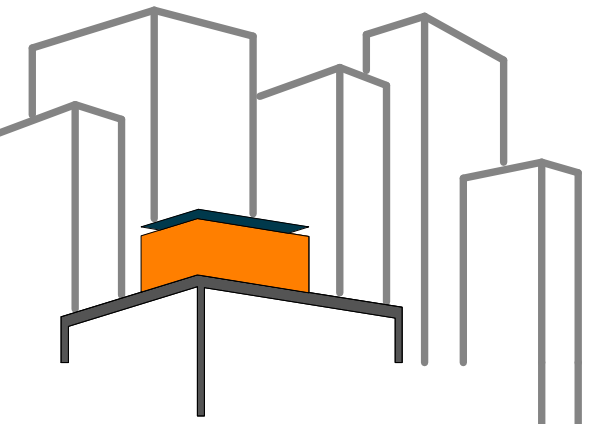
SCALE: **3" = 1'-0"**
PLAN #:

A-541.01



REFERENCE KEYNOTES

09 21 16 21	QUIK STIX - CROSS TEE
09 62 29	CORK FLOORING
09 63 43	COMPOSITION STONE FLOORING
21 13 00	FIRE-SUPPRESSION SPRINKLER SYSTEMS
22 05 00	COMMON WORK RESULTS FOR PLUMBING
26 27 00	LOW-VOLTAGE DISTRIBUTION EQUIPMENT



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: ISKRA PETROVA
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:35:55 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

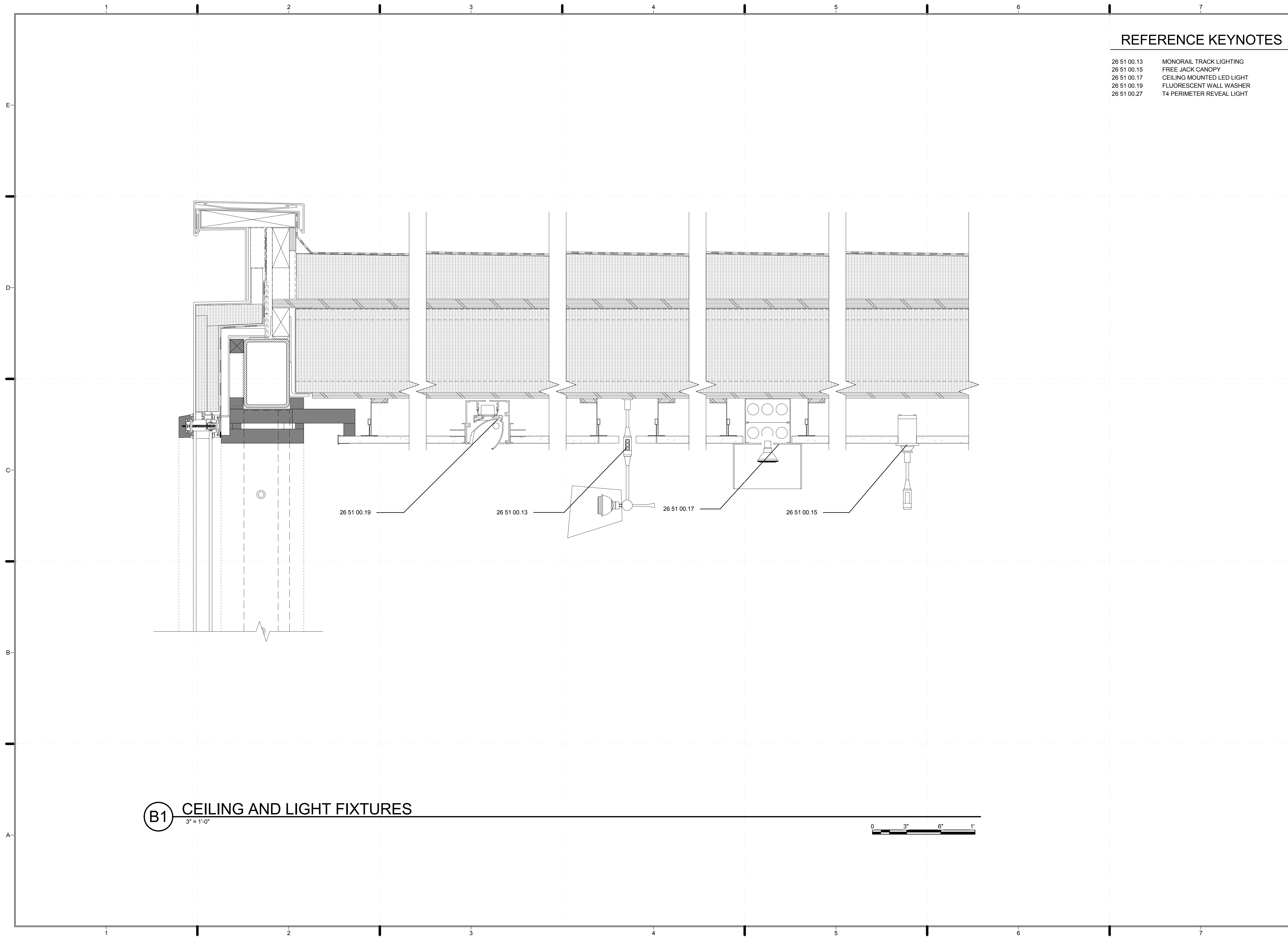
SHEET TITLE:
DETAILS- CEILING AND FLOOR

SCALE: 1"=1'
PLAN #:

(B2) DETAILS-CEILINGS AND FLOOR
1 1/2" = 1'-0"



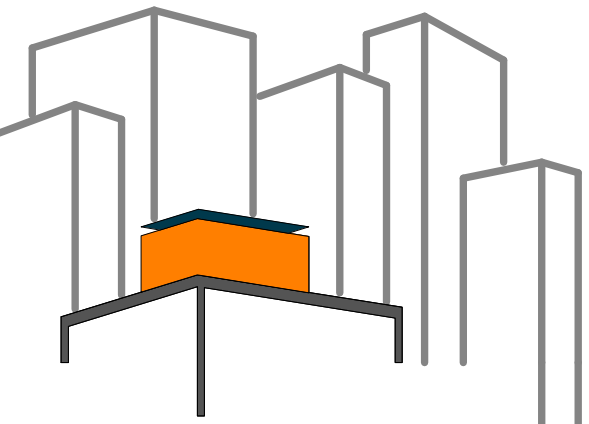
A-561.01



REFERENCE KEYNOTES

- 26 51 00.13 MONORAIL TRACK LIGHTING
- 26 51 00.15 FREE JACK CANOPY
- 26 51 00.17 CEILING MOUNTED LED LIGHT
- 26 51 00.19 FLUORESCENT WALL WASHER
- 26 51 00.27 T4 PERIMETER REVEAL LIGHT

B1 CEILING AND LIGHT FIXTURES
3" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **ISKRA PETROVA**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:35:58 PM**

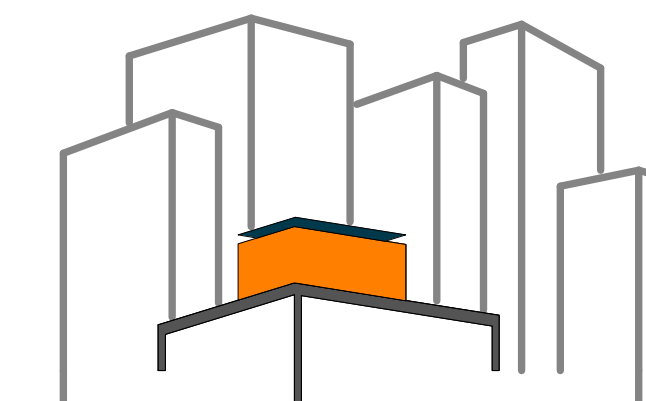
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAILS- CEILING
AND LIGHT
FIXTURES

SCALE: **3"=1'**

PLAN #:

A-562.01



SOLAR DECATHLON

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:36:04 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULE-
BUILDING
BLOCKS/WINDOWS

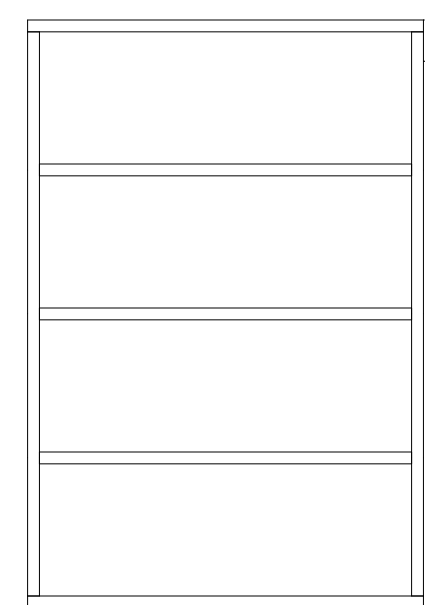
SCALE: 3/8" = 1'-0"

PLAN #:

A-601.01

GENERAL SHEET NOTES

- TYPE A:
OPERABLE WINDOW FOR
VENTILATION,
ARNOLD GLAS VECUREX,
U-Value=0.21 BTU/F s.f., SEE A-503.00
- TYPE B:
INSULATED PANELS,
EXTERIOR FINISHES: ARNOLD GLAS
VECUREX,
U-Value=0.05 BTU/F s.f., SEE A-504.00
- TYPE C:
OPERABLE WINDOW FOR
VENTILATION,
ARNOLD GLAS ORNILUX MIKADO,
U-Value=0.19 BTU/F s.f., SEE A-505.00
- TYPE D:
LIGHT-REDIRECTING GLASS,
ARNOLD GLAS
DEKOREX RETRO LUX THERM
U-Value=0.21 BTU/F s.f., SEE A506.00
- TYPE E:
GLASS OPENING FOR VIEW,
ARNOLD GLAS ORNILUX MIKADO
U-Value=0.19 BTU/F s.f., SEE A-507.00
- TYPE F
BUILDING INTERGRATED:
PHOTOVOLTAIC GLASS UNIT.
U-VALUE=0.20 BTU/FSF (SEE 508.00)
- NANAWALL SOUTH:
INSULATED GLASS UNIT,
ARNOLD GLAS MICROSHADE,
U-Value=0.19 BTU/F s.f.,SEE A-501.00
- NANAWALL NORTH:
INSULATED PANELS,
NANAGEL,
U-Value=0.05 BTU/F s.f.,SEE A-502.00



U-VALUE
TYPE B .03

TYPE B .03

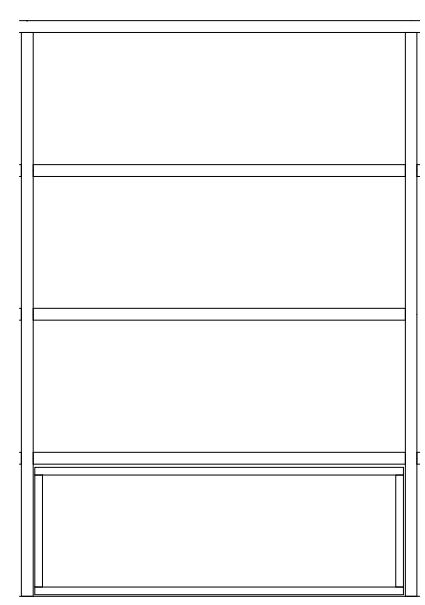
TYPE B .03

TYPE B .03

AVG U OF GLASS 0.085
AVG U OF FRAME 0.11

TOTAL U VALUE 0.088

D1 Module 1
3/8" = 1'-0"



U-VALUE
TYPE D .21

TYPE B .03

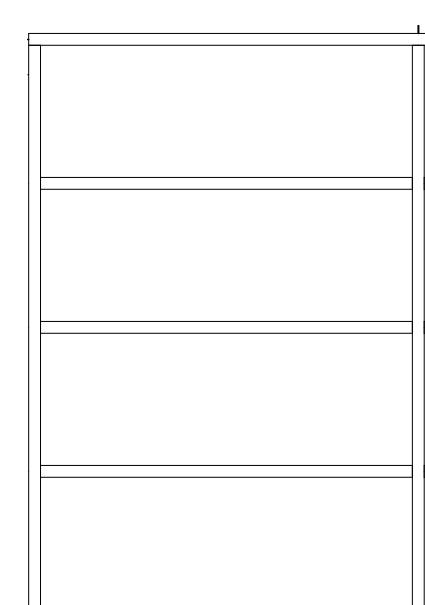
TYPE B .03

TYPE B .03

AVG U OF GLASS 0.085
AVG U OF FRAME 0.11

TOTAL U VALUE 0.088

D2 MODULE 2
3/8" = 1'-0"



U-VALUE
TYPE D .21

TYPE B .20

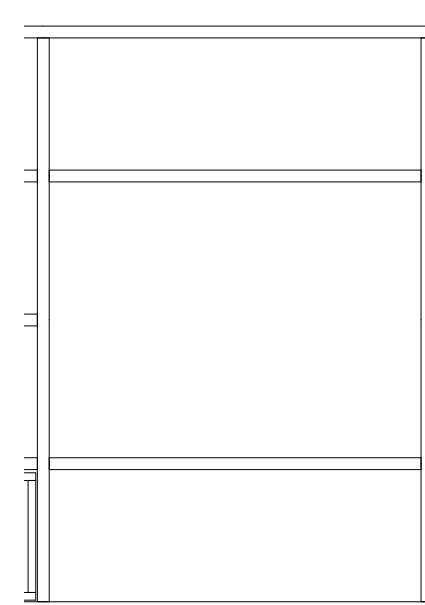
TYPE B .03

TYPE B .03

AVG U OF GLASS 0.20
AVG U OF FRAME 0.11

TOTAL U VALUE 0.31

D3 MODULE 3
3/8" = 1'-0"



U-VALUE
TYPE D .21

TYPE E .19

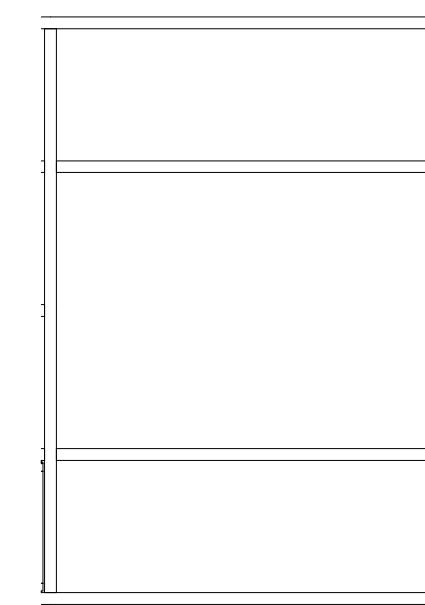
TYPE B .03

TYPE B .03

AVG U OF GLASS 0.136
AVG U OF FRAME 0.11

TOTAL U VALUE 0.133

D4 MODULE 4
3/8" = 1'-0"



U-VALUE
TYPE D .21

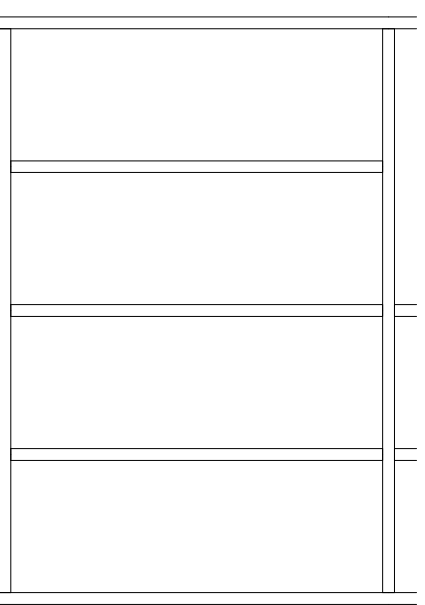
TYPE E .19

TYPE B .03

AVG U OF GLASS 0.11
AVG U OF FRAME 0.11

TOTAL U VALUE 0.22

B1 MODULE 5
3/8" = 1'-0"



U-VALUE
TYPE B .03

TYPE B .03

TYPE B .03

TYPE B .03

AVG U OF GLASS 0.03
AVG U OF FRAME 0.11

TOTAL U VALUE 0.042

B2 MODULE 6
3/8" = 1'-0"



U-VALUE
TYPE B .03

TYPE B .03

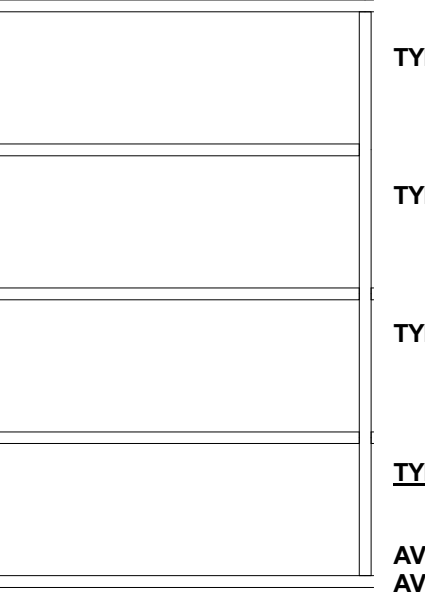
TYPE B .03

TYPE B .03

AVG U OF GLASS 0.03
AVG U OF FRAME 0.11

TOTAL U VALUE 0.042

B3 MODULE 7
3/8" = 1'-0"



U-VALUE
TYPE A .19

TYPE B .03

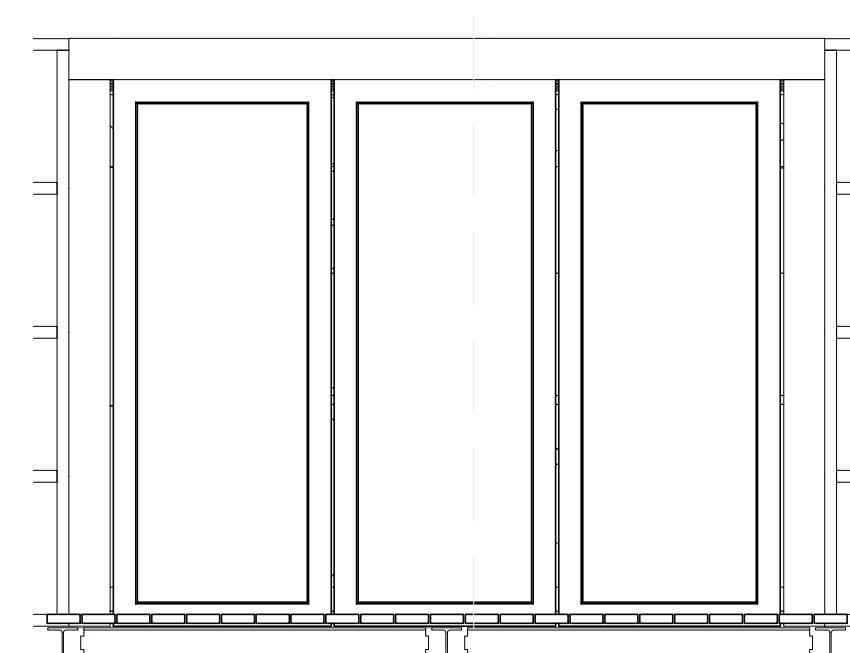
TYPE B .03

TYPE B .03

AVG U OF GLASS 0.07
AVG U OF FRAME 0.11

TOTAL U VALUE 0.077

B4 MODULE 8
3/8" = 1'-0"



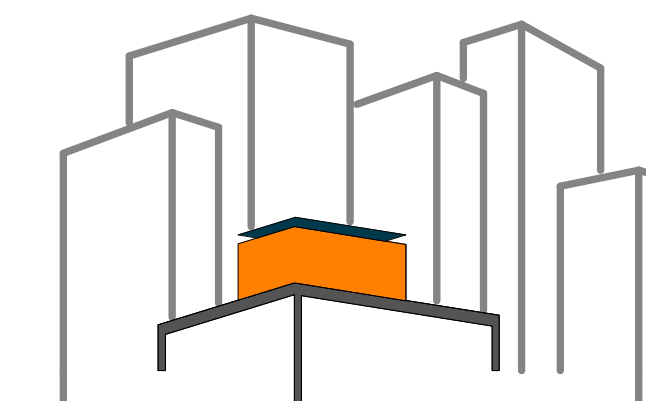
U-VALUE
TYPE E .19

TYPE B .19

AVG U OF GLASS .19
AVG U OF FRAME .335

TOTAL U VALUE .24

B5 NANAWALL, SOUTH
3/8" = 1'-0"



SOLAR DECATHLON

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:36:10 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULE
BUILDING BLOCKS /
WINDOWS

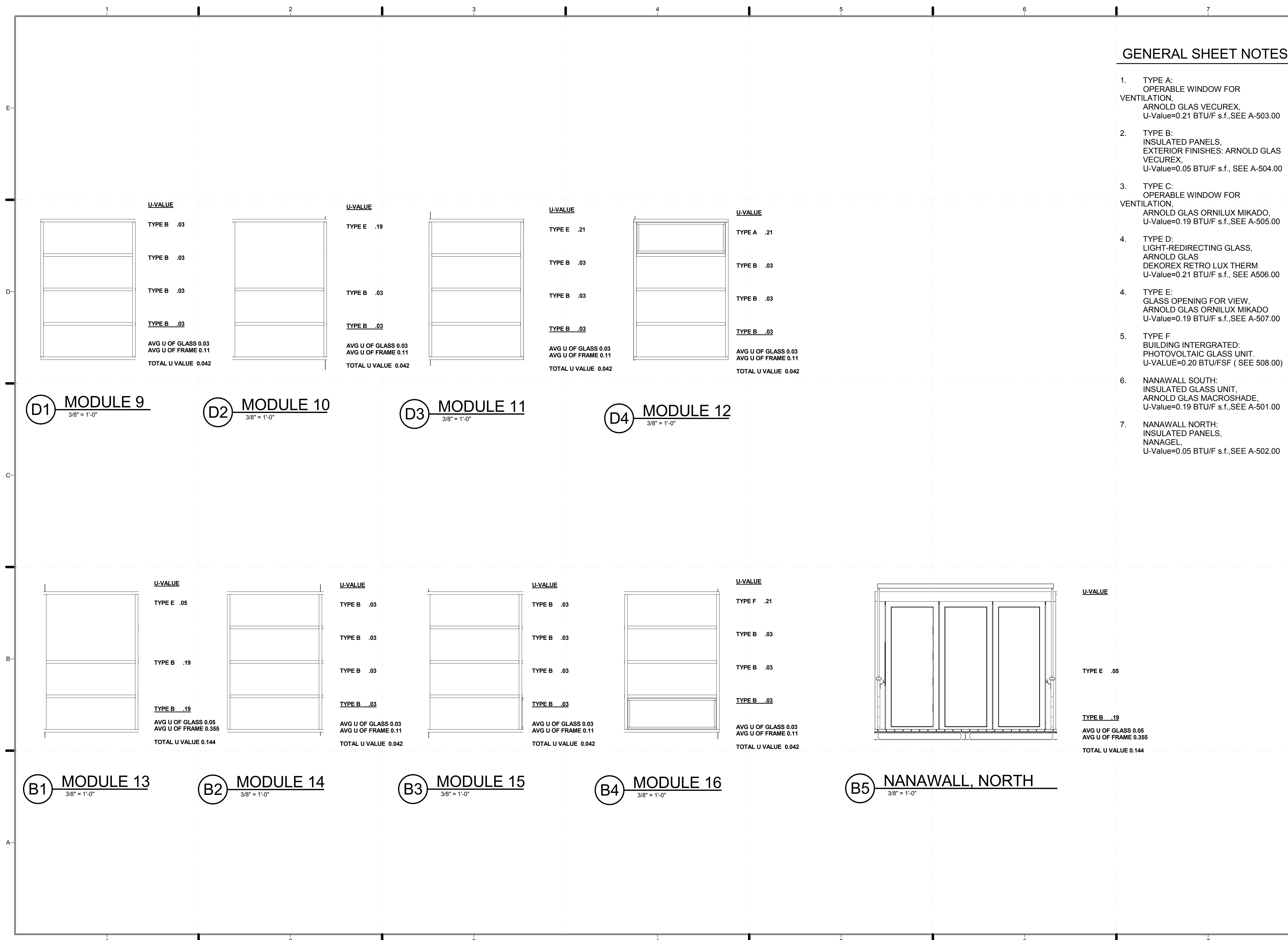
SCALE: Approver

PLAN #:

A-602.1

GENERAL SHEET NOTES

- TYPE A:
OPERABLE WINDOW FOR
VENTILATION,
ARNOLD GLAS VECUREX,
U-Value=0.21 BTU/F s.f., SEE A-503.00
- TYPE B:
INSULATED PANELS,
EXTERIOR FINISHES: ARNOLD GLAS
VECUREX,
U-Value=0.05 BTU/F s.f., SEE A-504.00
- TYPE C:
OPERABLE WINDOW FOR
VENTILATION,
ARNOLD GLAS ORNILUX MIKADO,
U-Value=0.19 BTU/F s.f., SEE A-505.00
- TYPE D:
LIGHT-REDIRECTING GLASS,
ARNOLD GLAS
DEKOREX RETRO LUX THERM
U-Value=0.21 BTU/F s.f., SEE A506.00
- TYPE E:
GLASS OPENING FOR VIEW,
ARNOLD GLAS ORNILUX MIKADO
U-Value=0.19 BTU/F s.f., SEE A-507.00
- TYPE F
BUILDING INTERGRATED:
PHOTOVOLTAIC GLASS UNIT.
U-VALUE=0.20 BTU/FSF (SEE 508.00)
- NANAWALL SOUTH:
INSULATED GLASS UNIT,
ARNOLD GLAS MACROSHADE,
U-Value=0.19 BTU/F s.f.,SEE A-501.00
- NANAWALL NORTH:
INSULATED PANELS,
NANAGEL,
U-Value=0.05 BTU/F s.f.,SEE A-502.00



D1 MODULE 9
3/8" = 1'-0"

D2 MODULE 10
3/8" = 1'-0"

D3 MODULE 11
3/8" = 1'-0"

D4 MODULE 12
3/8" = 1'-0"

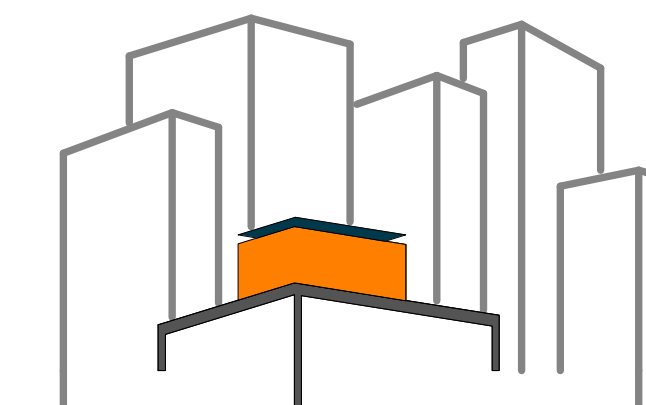
B1 MODULE 13
3/8" = 1'-0"

B2 MODULE 14
3/8" = 1'-0"

B3 MODULE 15
3/8" = 1'-0"

B4 MODULE 16
3/8" = 1'-0"

B5 NANAWALL, NORTH
3/8" = 1'-0"



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnySD11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **ROSTYSLAV PECHENYY**

CHECKED BY: **CHRISTIAN VOLKMANN**

DATE: **8/12/2011 10:36:12 PM**

**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

SHEET TITLE:
SCHEDULE- DOORS

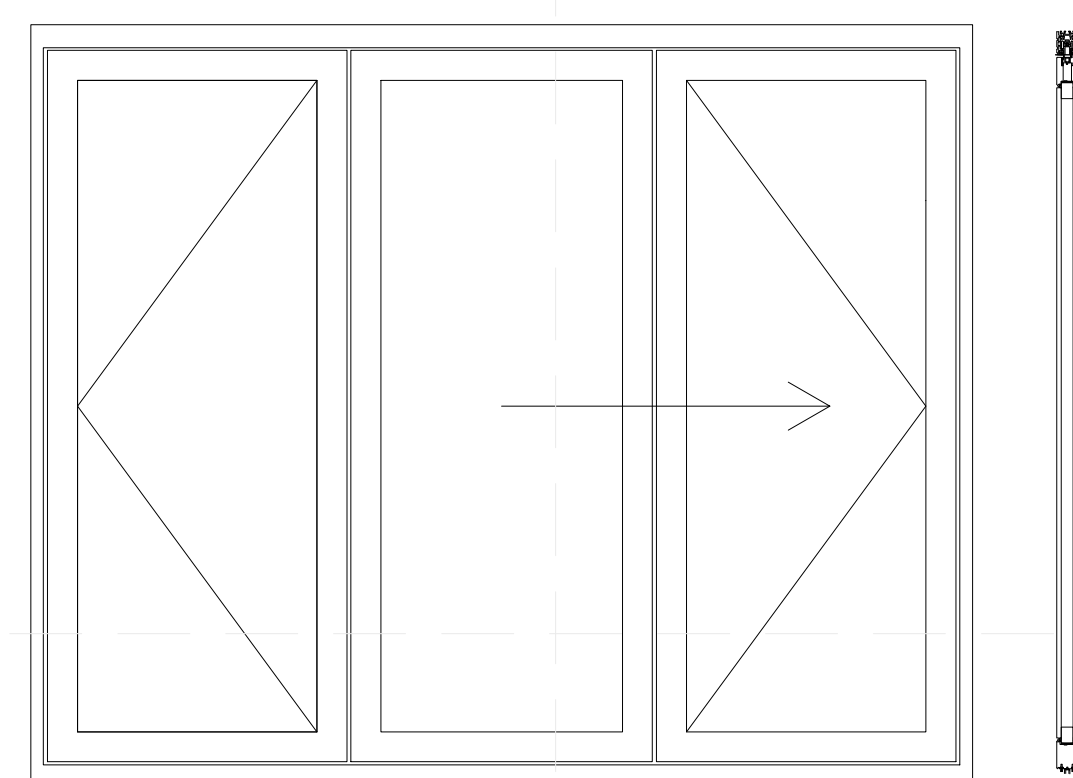
SCALE: **AS INDICATED**

PLAN #:

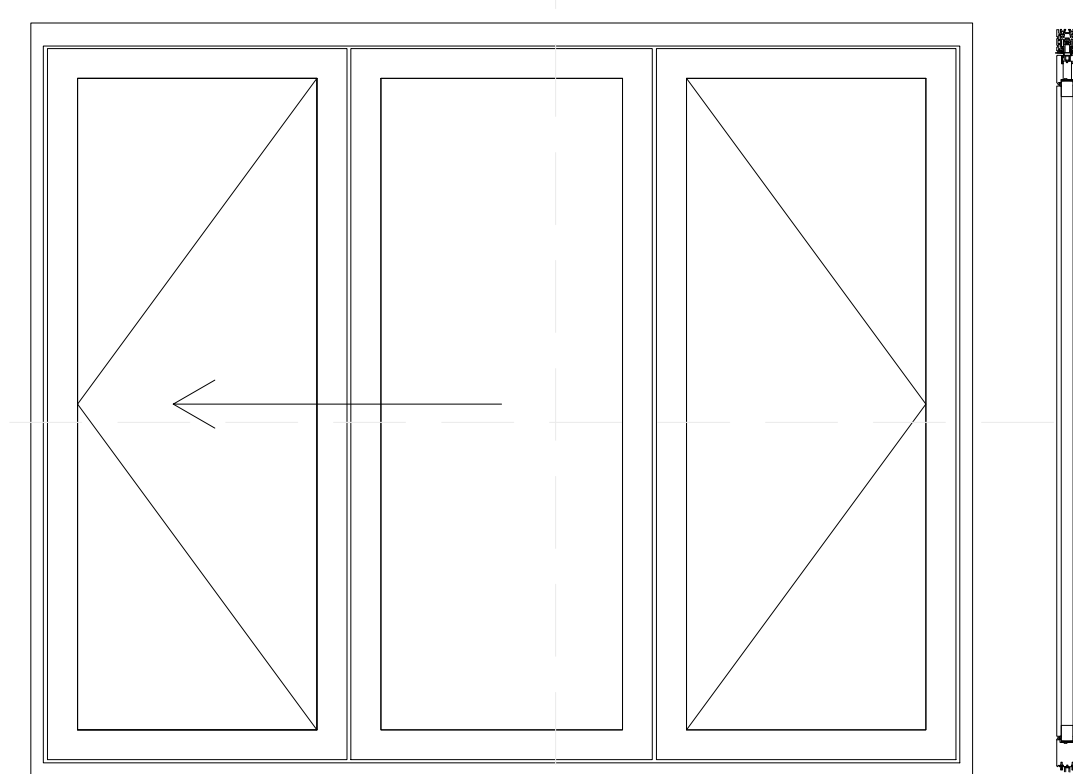
A-603.01

1 2 3 4 5 6 7

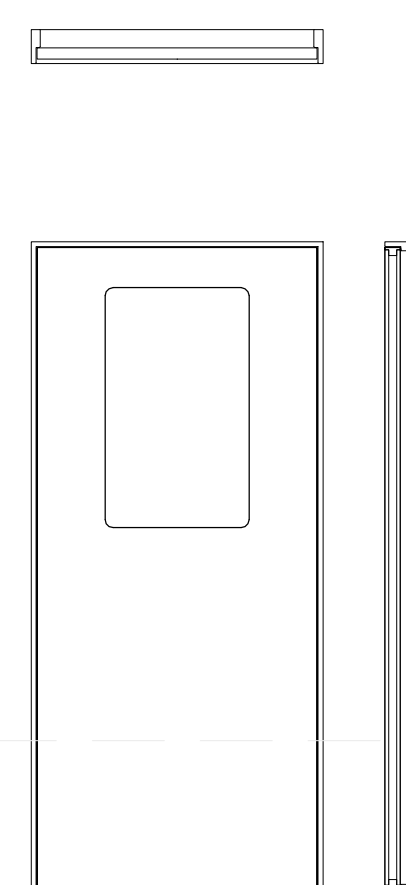
DOOR SCHEDULE						
MARK	SIZE			DESCRIPTION	GLAZING	NOTES
	WIDTH	HEIGHT	THICKNESS			
01	7'-5"	3'-2"	0'-2"	DOUGLAS FIR		CUSTOM TRIM
02	7'-5"	3'-2"	0'-2"	DOUGLAS FIR	ORNILUX	CUSTOM TRIM
03	2'-11"	6'-8"	0'-2"	DOUGLAS FIR PAINTED FINISH		
04	4'-6"	7'-8"	0'-2"	DOUGLAS FIR PAINTED FINISH		
05	3'-9"	7'-8"	0'-2"	DOUGLAS FIR PAINTED FINISH		
06	2'-11"	6'-7 1/2"	0'-2"	DOUGLAS FIR	GLASS INSERT	



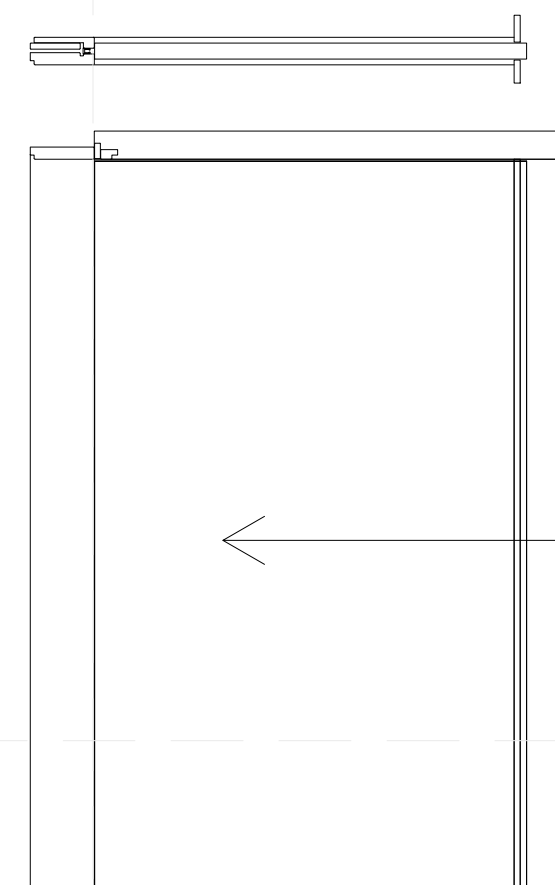
1. NANA WALL BI-FOLDING DOOR WD 66
PANELIZED DOOR
(NORTH ELEVATION)



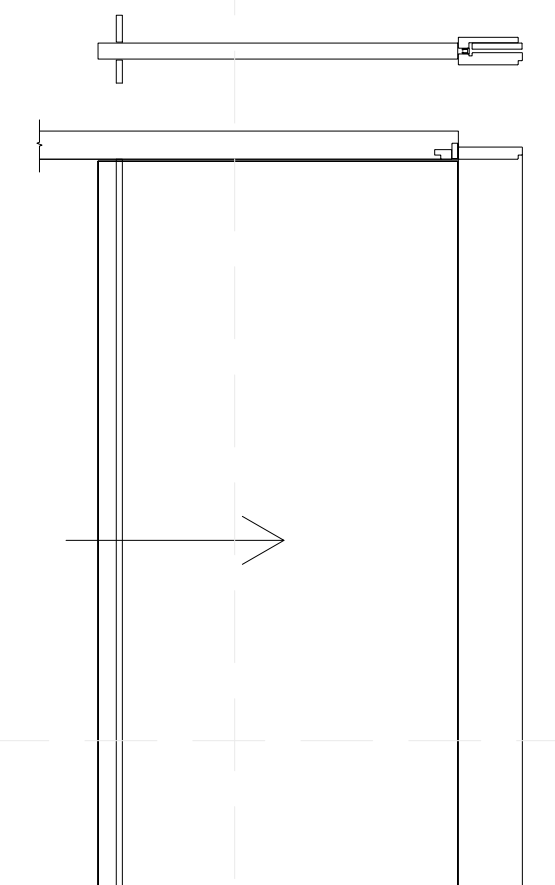
2. NANA WALL BI-FOLDING DOOR WD66
LOW-E INSULATED GLAZING, U=0.26
(SOUTH ELEVATION)



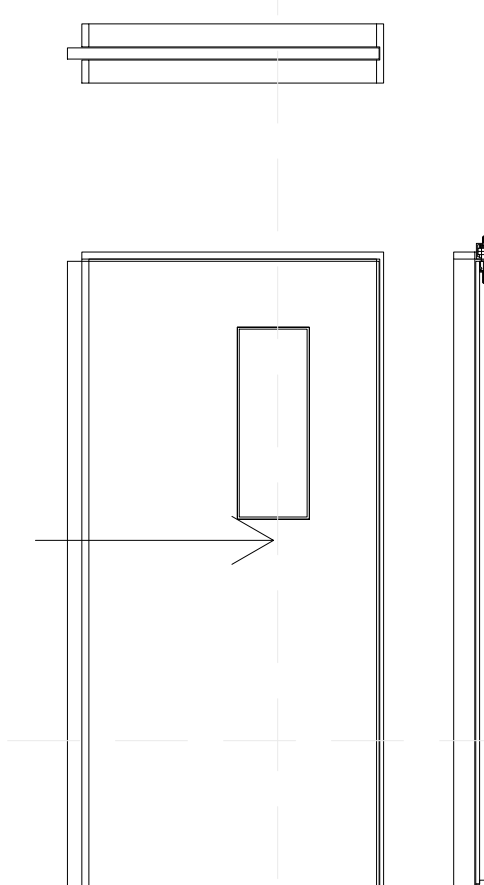
3. SWING DOOR
MECHANICAL ROOM
1 HR FIRE RATED



4. SLIDING DOOR
LIVING ROOM
(SOUTH SIDE)



5. SLIDING DOOR
LIVING ROOM
(NORTH SIDE)



6. SLIDING DOOR
BATHROOM
(WITH GLASS INSERT)

1 2 3 4 5 6 7

E

D

C

B

A

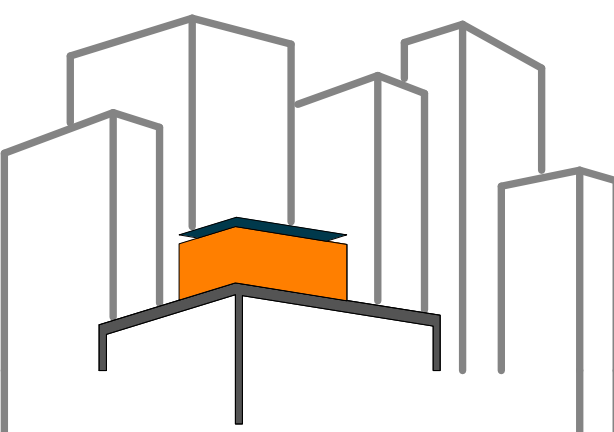
E

D

C

B

A



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: FARAH AHMAD

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:36:13 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULE-
APPLIANCES

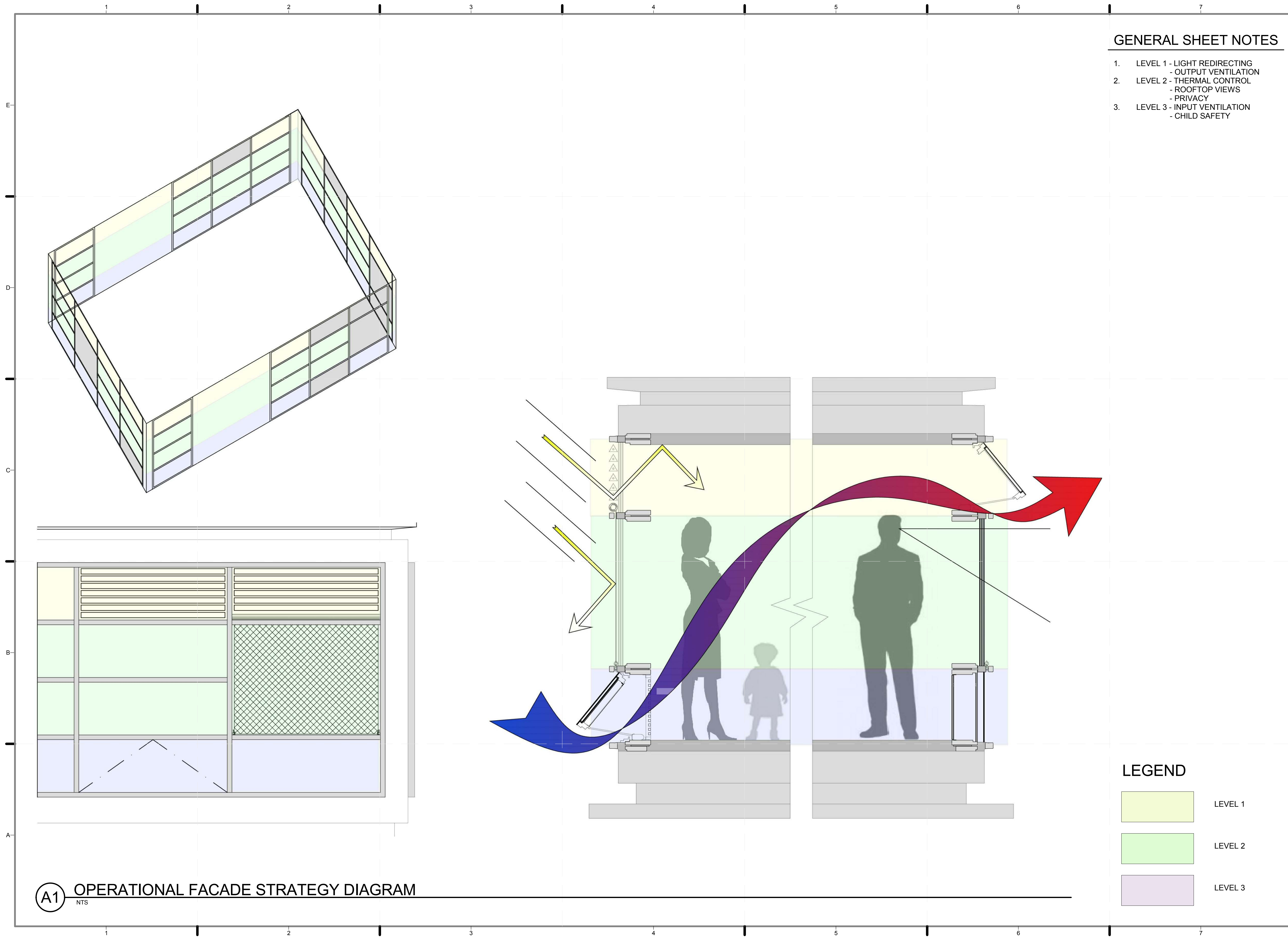
SCALE: NTS

PLAN #:

A-604.01

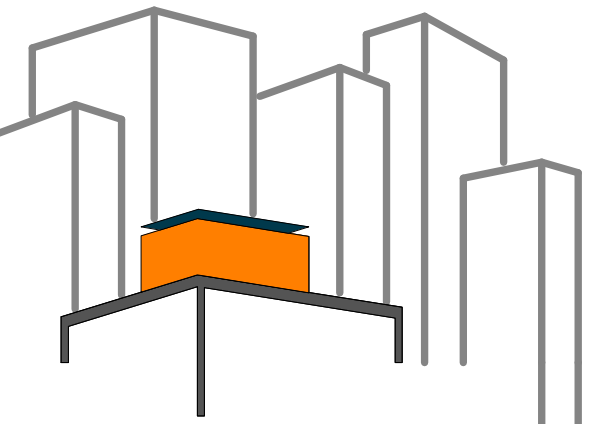
APPLIANCE SCHEDULE

	APPLIANCE	MANUFACTURER / MODEL #	SIZE			NOTES
			WIDTH	HEIGHT	DEPTH	
01	REFRIGERATOR	LIEBHERR / HC 1011	22-1/16"	69-13/16"	21-11/16"	INTEGRATED WOOD OVERLAY PANELS
02	DISHWASHER	GE / PDW1800NII	18"	32"	24"	INTEGRATED WOOD OVERLAY PANELS
03	STOVETOP	SUMMIT / SINC2220	11-3/8"	3-1/4"	20-1/8"	
04	HOOD	GE / JV394SBB	30"	14-3/4"	12-1/8"	
05	OVEN	GE / PSB1201NSS	29-25/32"	19-1/8"	21-1/2"	
06	WASHER	GE / WCVH 4800K	23-1/2"	33-5/16"	26-5/8"	
07	DRYER	GE / DCVH 480	23-1/2"	33-3/8"	26-5/8"	
ELECTRONIC EQUIPMENT						
08	TELEVISION	SAMSUNG/ LN26C350	26.5"	18"	18"	BLACK, 26"



GENERAL SHEET NOTES

1. LEVEL 1 - LIGHT REDIRECTING
- OUTPUT VENTILATION
2. LEVEL 2 - THERMAL CONTROL
- ROOFTOP VIEWS
- PRIVACY
3. LEVEL 3 - INPUT VENTILATION
- CHILD SAFETY



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:36:18 PM**

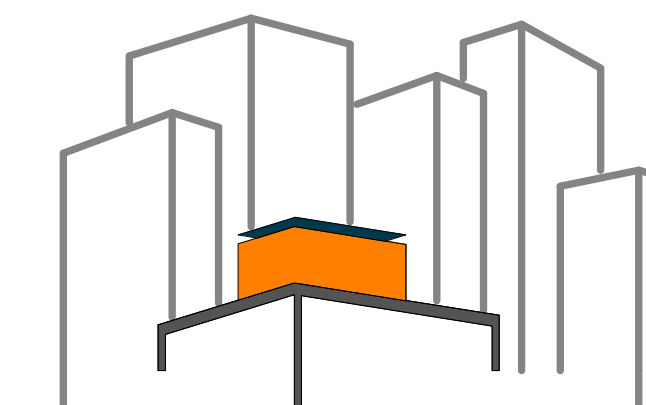
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
OPERATIONAL DIAGRAM, FACADE STRATEGY

SCALE: **NTS**
PLAN #:

A-611.01

A1 OPERATIONAL FACADE STRATEGY DIAGRAM
NTS



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

2 8/8/2011 INDICATED LOCATION
AND AMOUNT OF CORK FLOOR

2 8/8/2011 INDICATED LOCATION
AND AMOUNT OF ICESTONE

LOT NUMBER: 403

DRAWN BY: **YINERY BAEZ**

CHECKED BY: **CHRISTIAN VOLKMANN**

DATE: **8/12/2011 10:41:38 PM**

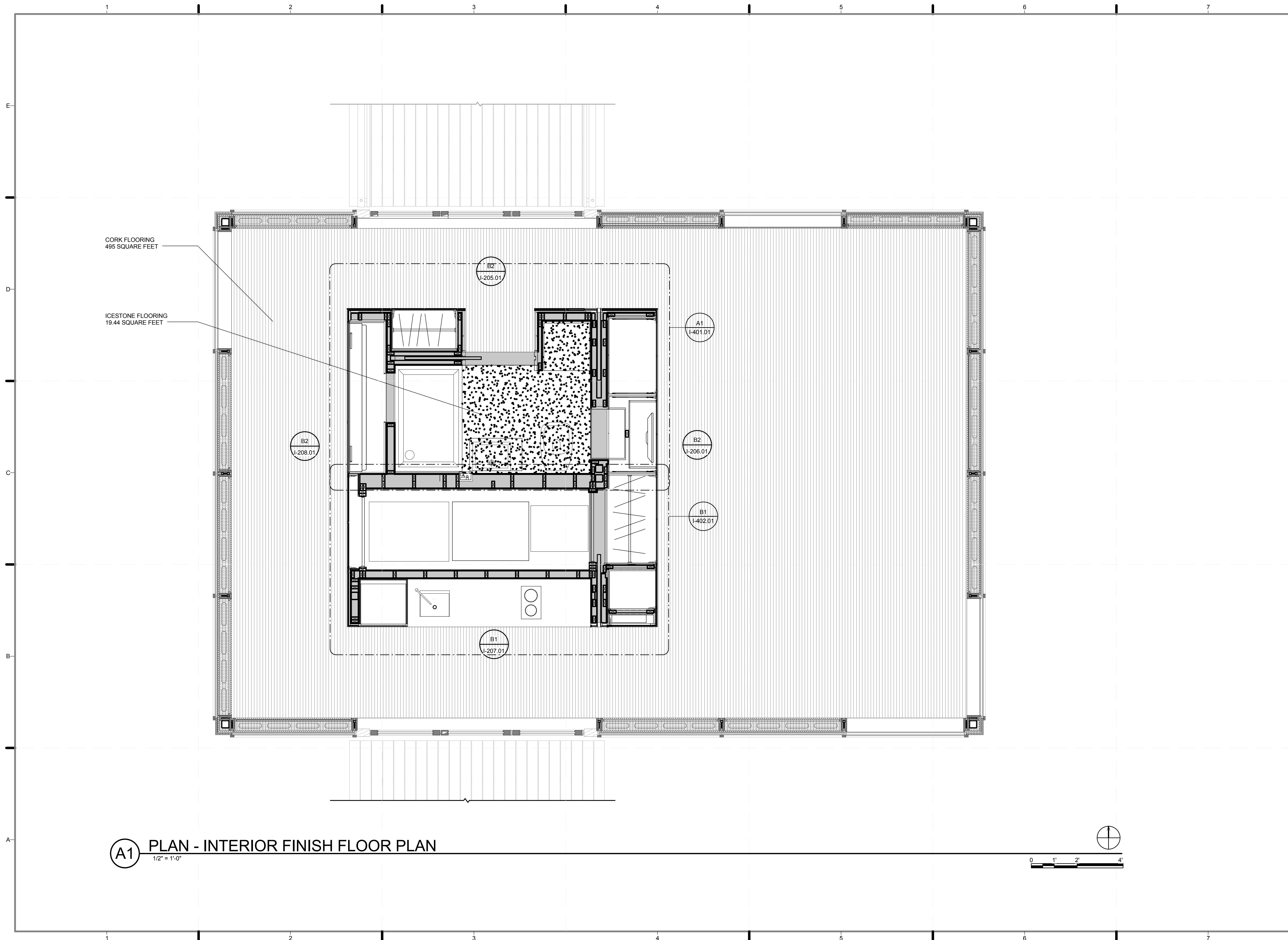
**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

SHEET TITLE:
**INTERIOR FINISH
PLAN**

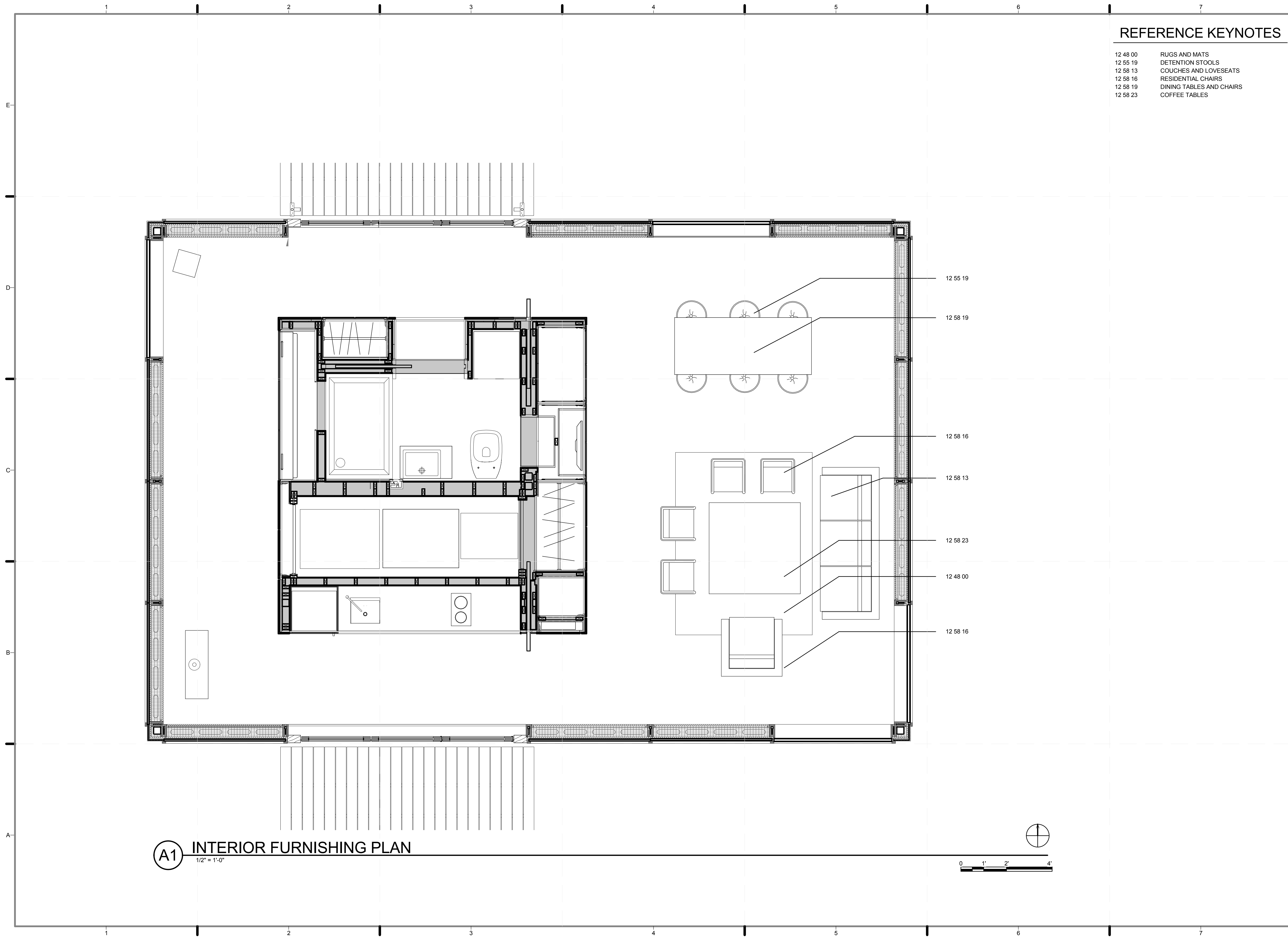
SCALE: **1/2" = 1'-0"**

PLAN #:

I-101.02

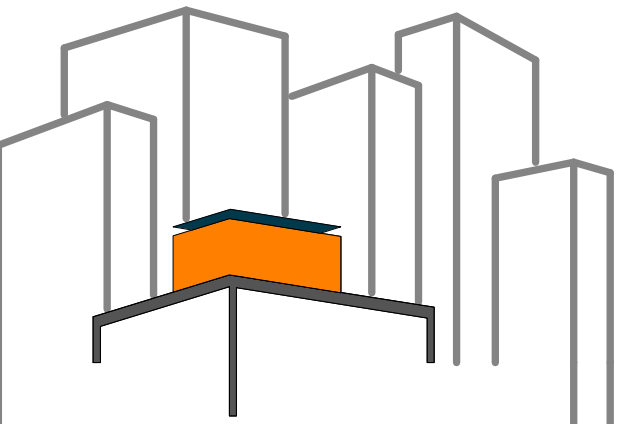


(A1) PLAN - INTERIOR FINISH FLOOR PLAN
1/2" = 1'-0"



REFERENCE KEYNOTES

- 12 48 00 RUGS AND MATS
- 12 55 19 DETENTION STOOLS
- 12 58 13 COUCHES AND LOVESEATS
- 12 58 16 RESIDENTIAL CHAIRS
- 12 58 19 DINING TABLES AND CHAIRS
- 12 58 23 COFFEE TABLES



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **ROSTYSLAV PECHENYY**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:41:43 PM**

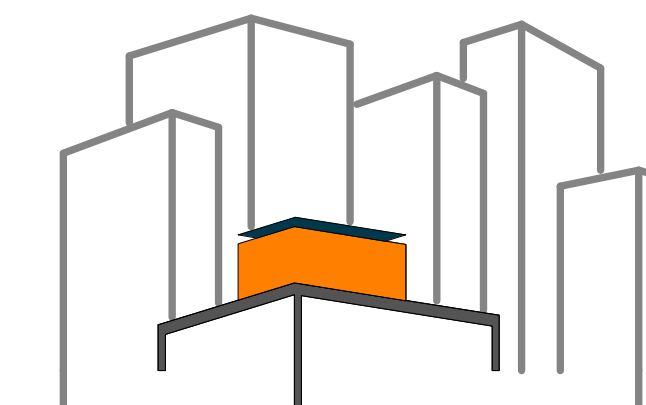
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR FURNISHING PLAN

SCALE: **1/2" = 1'-0"**
PLAN #:

I-103.01

A1 INTERIOR FURNISHING PLAN
1/2" = 1'-0"



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: **403**

DRAWN BY: **JOHN VLAHAKIS**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:41:45 PM**

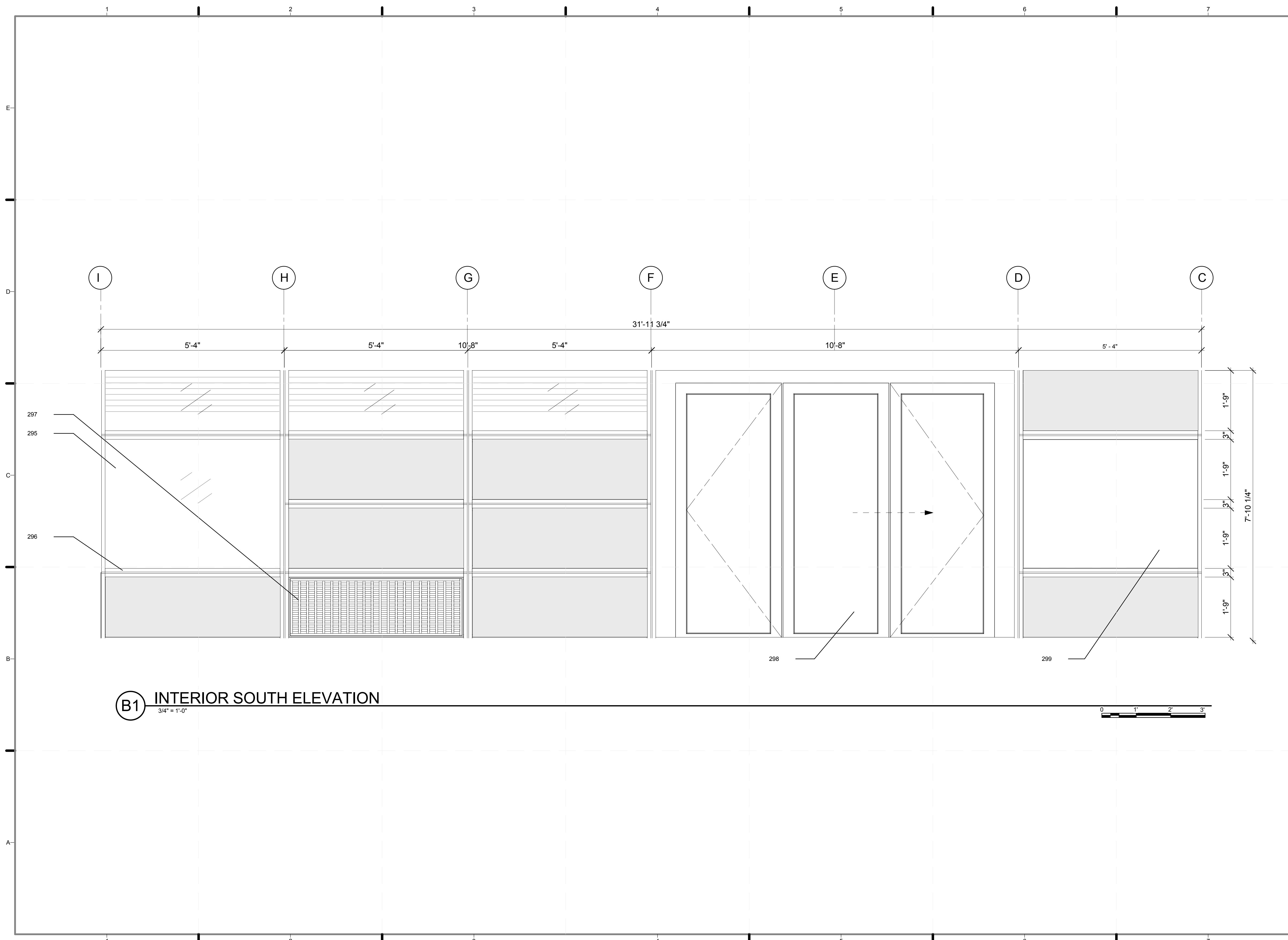
**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

SHEET TITLE:
**INTERIOR SOUTH
ELEVATIONS**

SCALE: **3/4"=1'-0"**

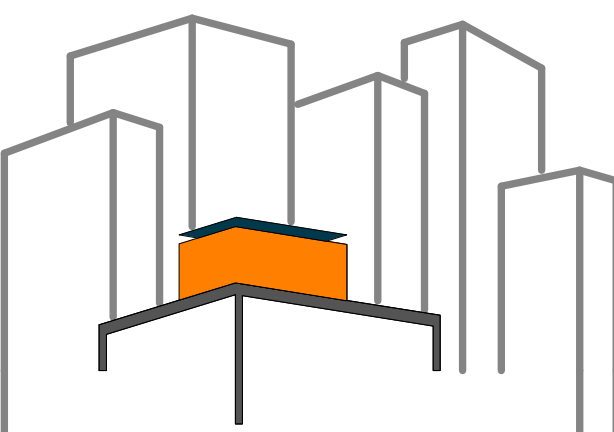
PLAN #:

I-201.01



B1 INTERIOR SOUTH ELEVATION
3/4" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **JOHN VLAHAKIS**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:41:47 PM**

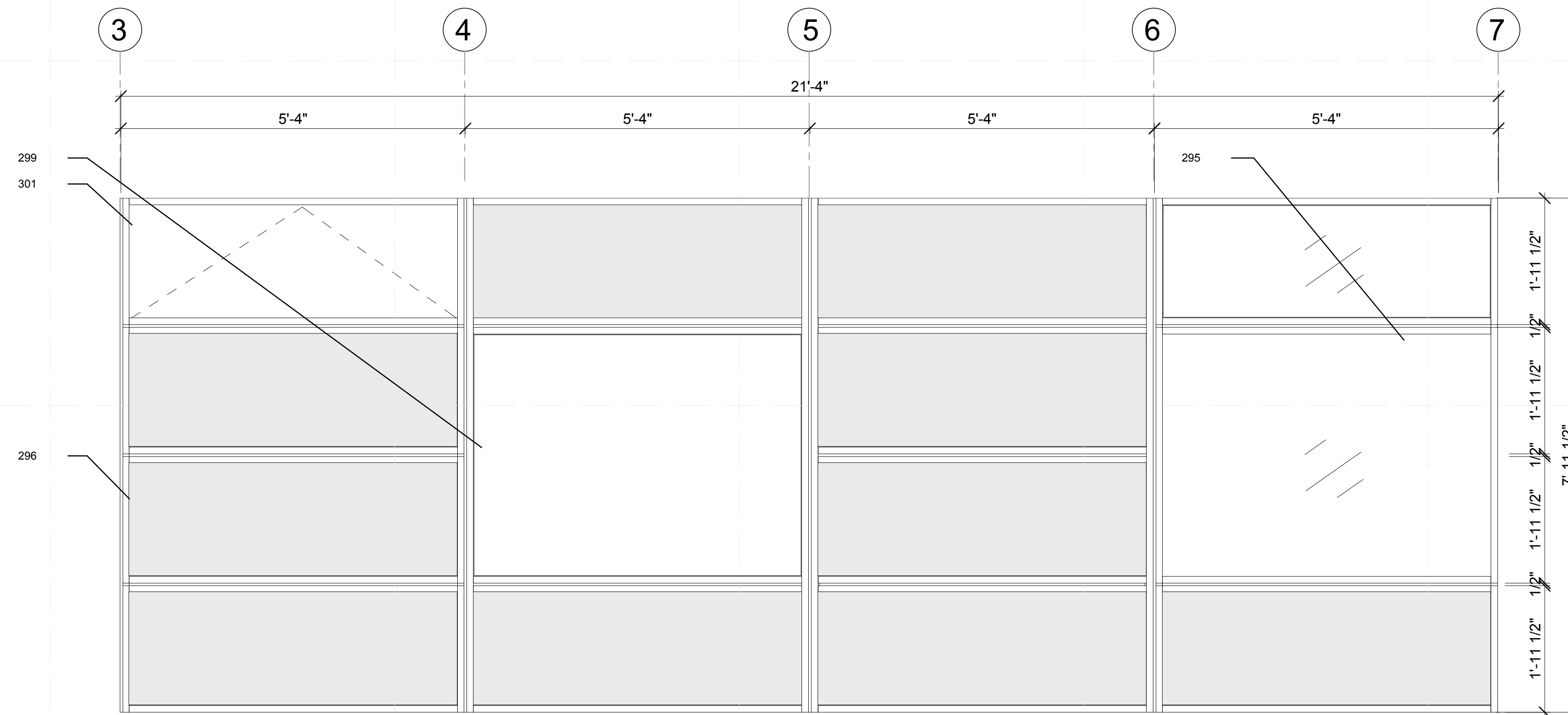
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
INTERIOR EAST
ELEVATIONS

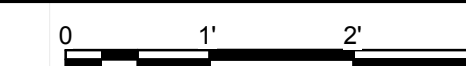
SCALE: **3/4"=1'-0"**

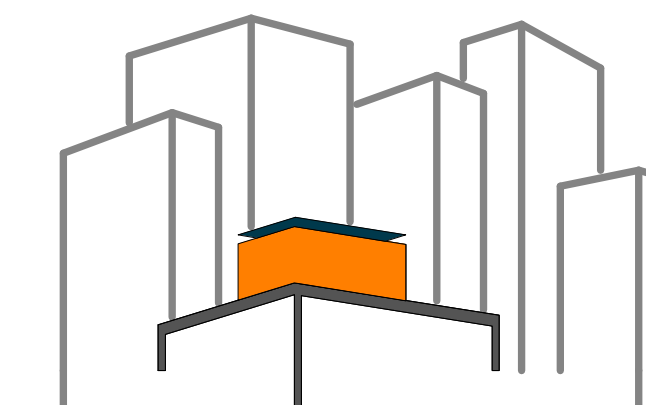
PLAN #:

I-202.01



B2 INTERIOR EAST ELEVATION
3/4" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **JOHN VLAHAKIS**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:41:49 PM**

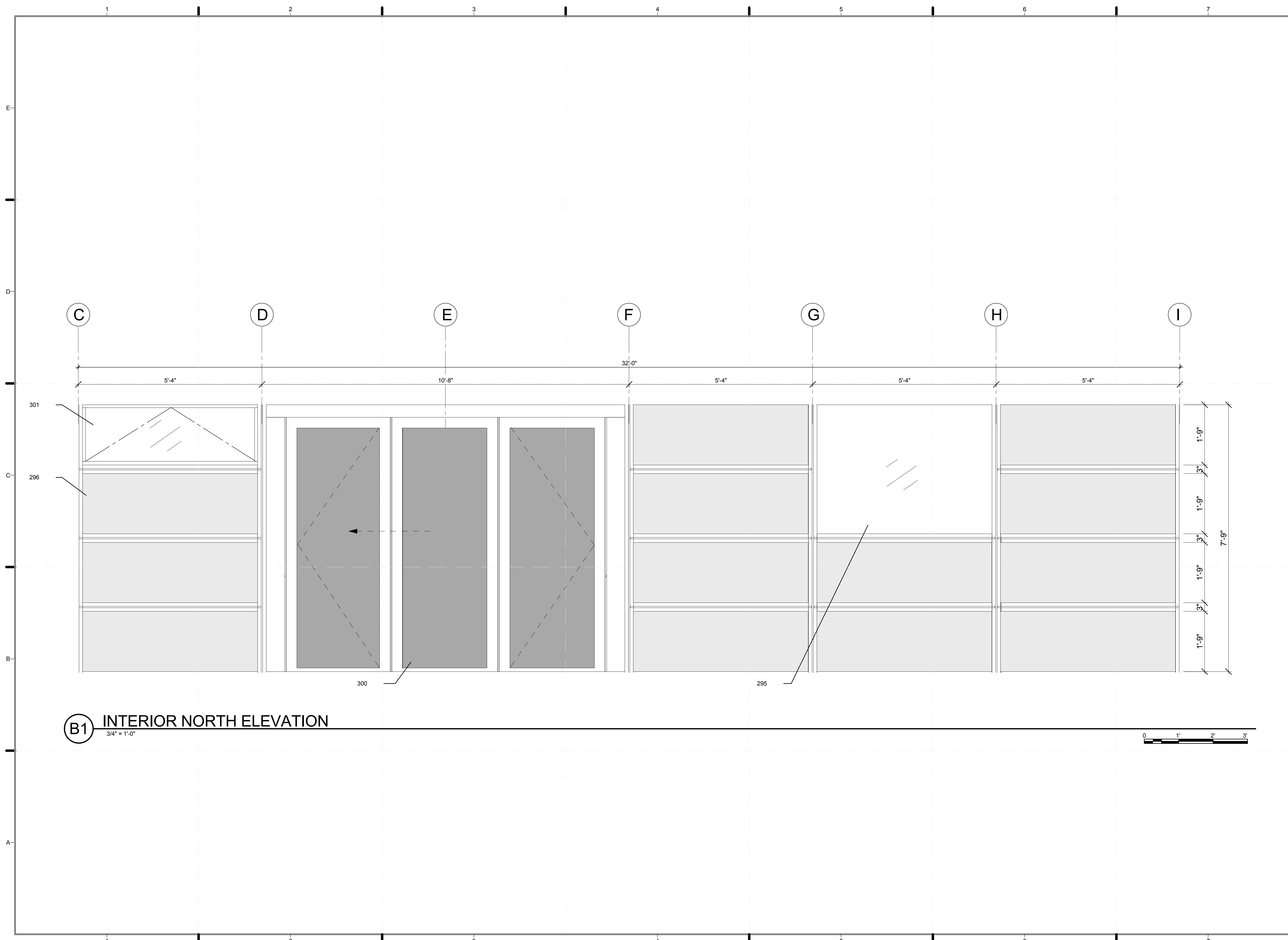
**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

SHEET TITLE:
**INTERIOR NORTH
ELEVATION**

SCALE: **3/4"=1'-0"**

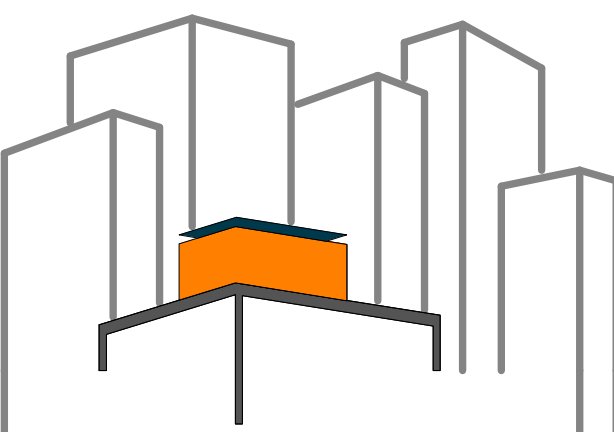
PLAN #:

I-203.01



B1 INTERIOR NORTH ELEVATION
3/4" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:41:51 PM

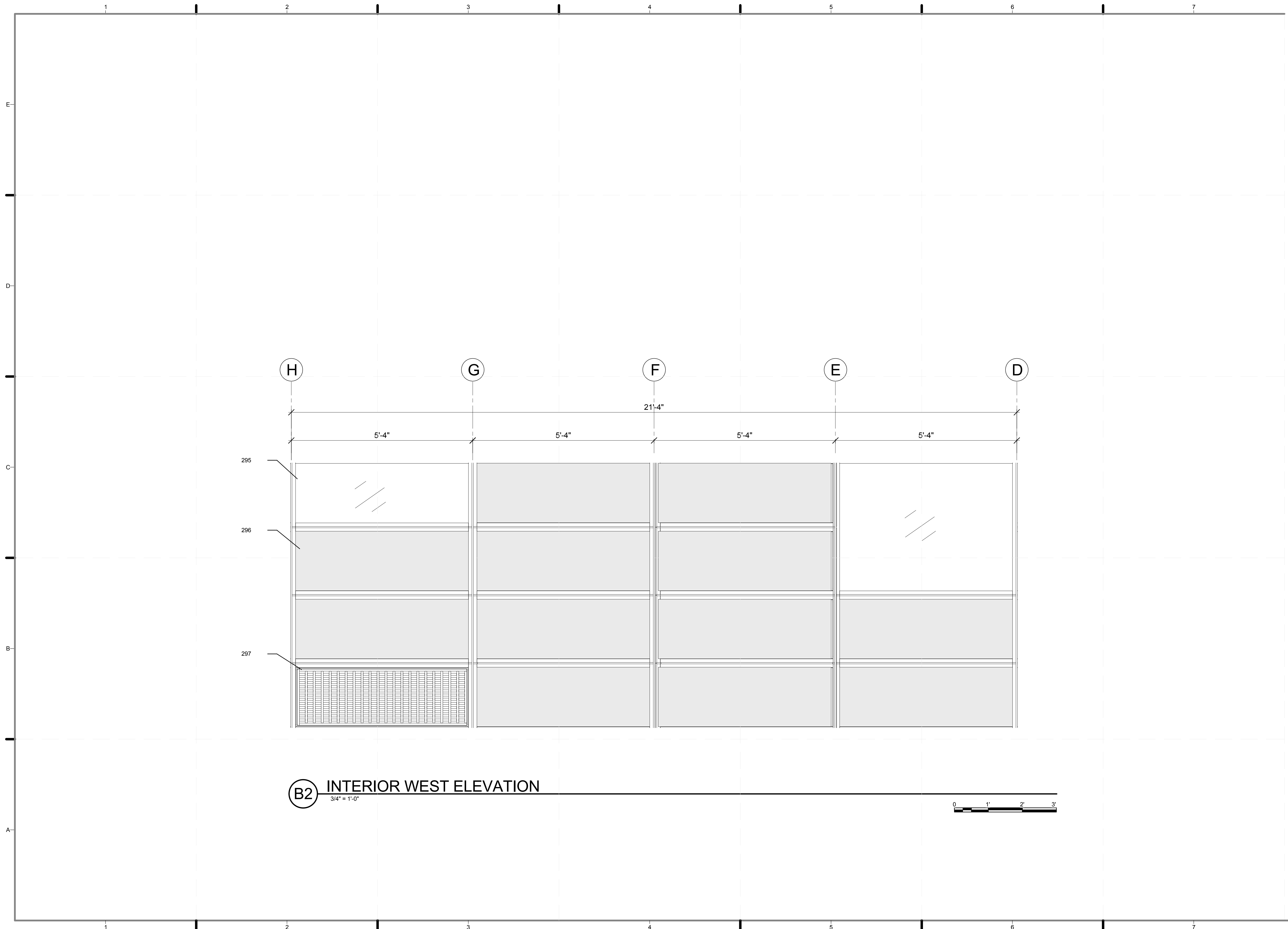
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
INTERIOR WEST
ELEVATION

SCALE: 3/4"=1'

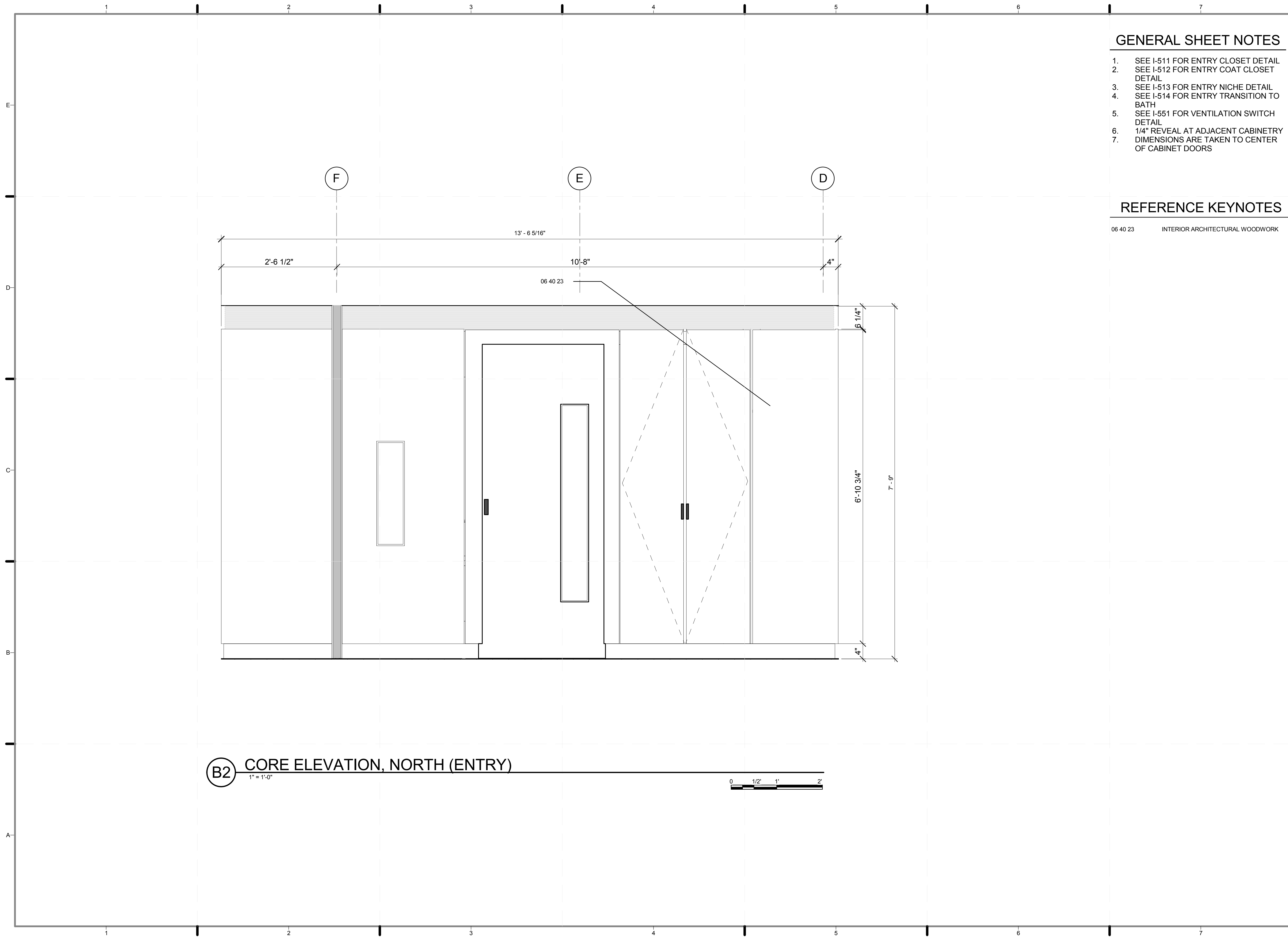
PLAN #:

I-204.01



B2 INTERIOR WEST ELEVATION
3/4" = 1'-0"





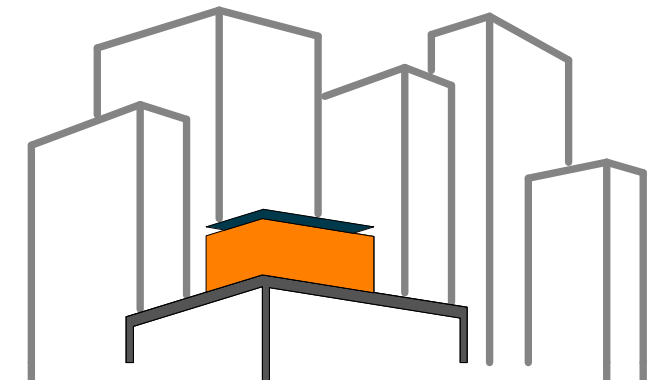
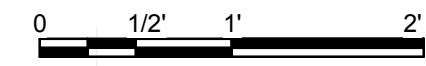
GENERAL SHEET NOTES

1. SEE I-511 FOR ENTRY CLOSET DETAIL
2. SEE I-512 FOR ENTRY COAT CLOSET DETAIL
3. SEE I-513 FOR ENTRY NICHE DETAIL
4. SEE I-514 FOR ENTRY TRANSITION TO BATH
5. SEE I-551 FOR VENTILATION SWITCH DETAIL
6. 1/4" REVEAL AT ADJACENT CABINETRY
7. DIMENSIONS ARE TAKEN TO CENTER OF CABINET DOORS

REFERENCE KEYNOTES

06 40 23 INTERIOR ARCHITECTURAL WOODWORK

B2 CORE ELEVATION, NORTH (ENTRY)
1" = 1'-0"



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ASTRIT MAKSUTI

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:41:54 PM

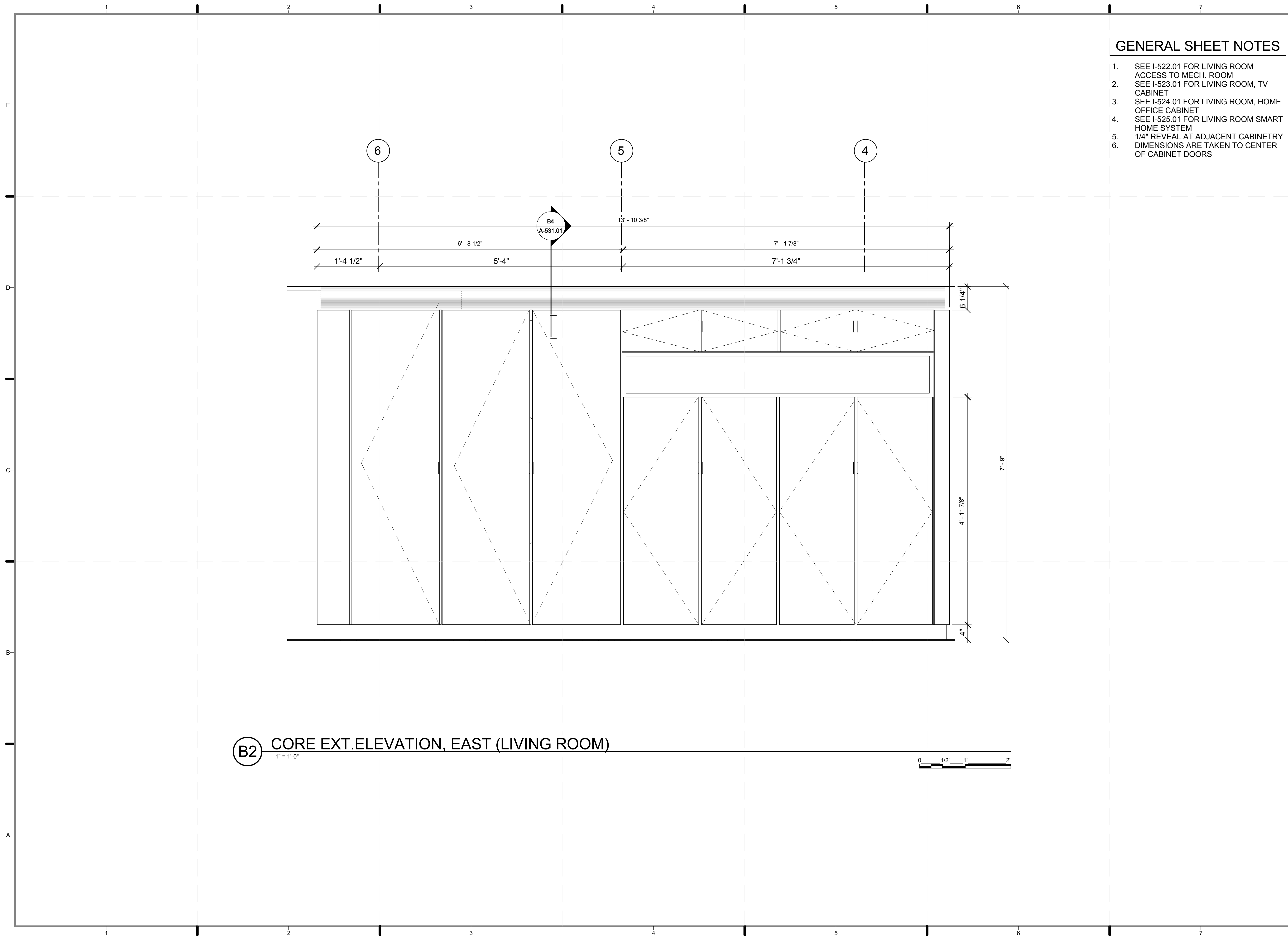
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
CORE EXT.
ELEVATION,
(NORTH ENTRY)

SCALE: 1"=1'

PLAN #:

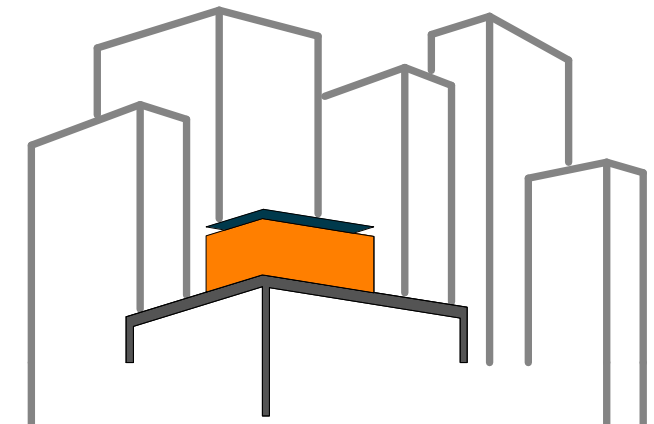
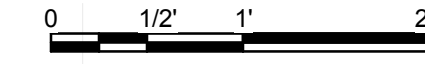
I-205.01



GENERAL SHEET NOTES

1. SEE I-522.01 FOR LIVING ROOM ACCESS TO MECH. ROOM
2. SEE I-523.01 FOR LIVING ROOM, TV CABINET
3. SEE I-524.01 FOR LIVING ROOM, HOME OFFICE CABINET
4. SEE I-525.01 FOR LIVING ROOM SMART HOME SYSTEM
5. 1/4" REVEAL AT ADJACENT CABINETRY
6. DIMENSIONS ARE TAKEN TO CENTER OF CABINET DOORS

B2 CORE EXT.ELEVATION, EAST (LIVING ROOM)
1" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

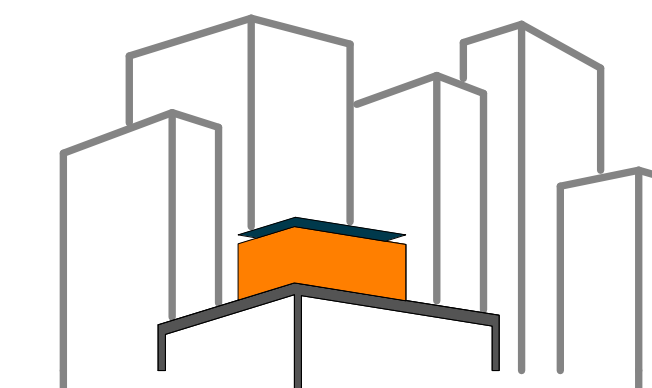
LOT NUMBER: 403
DRAWN BY: **ASTRIT MAKSUTI**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:41:56 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
CORE EXT. ELEVATION, EAST (LIVING ROOM)

SCALE: **1"=1'**
PLAN #:

I-206.01



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnySD11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ASTRIT MAKSUTI

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:42:00 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

CORE EXT.
ELEVATION, SOUTH
(KITCHEN)

SCALE: 1"=1'

PLAN #:

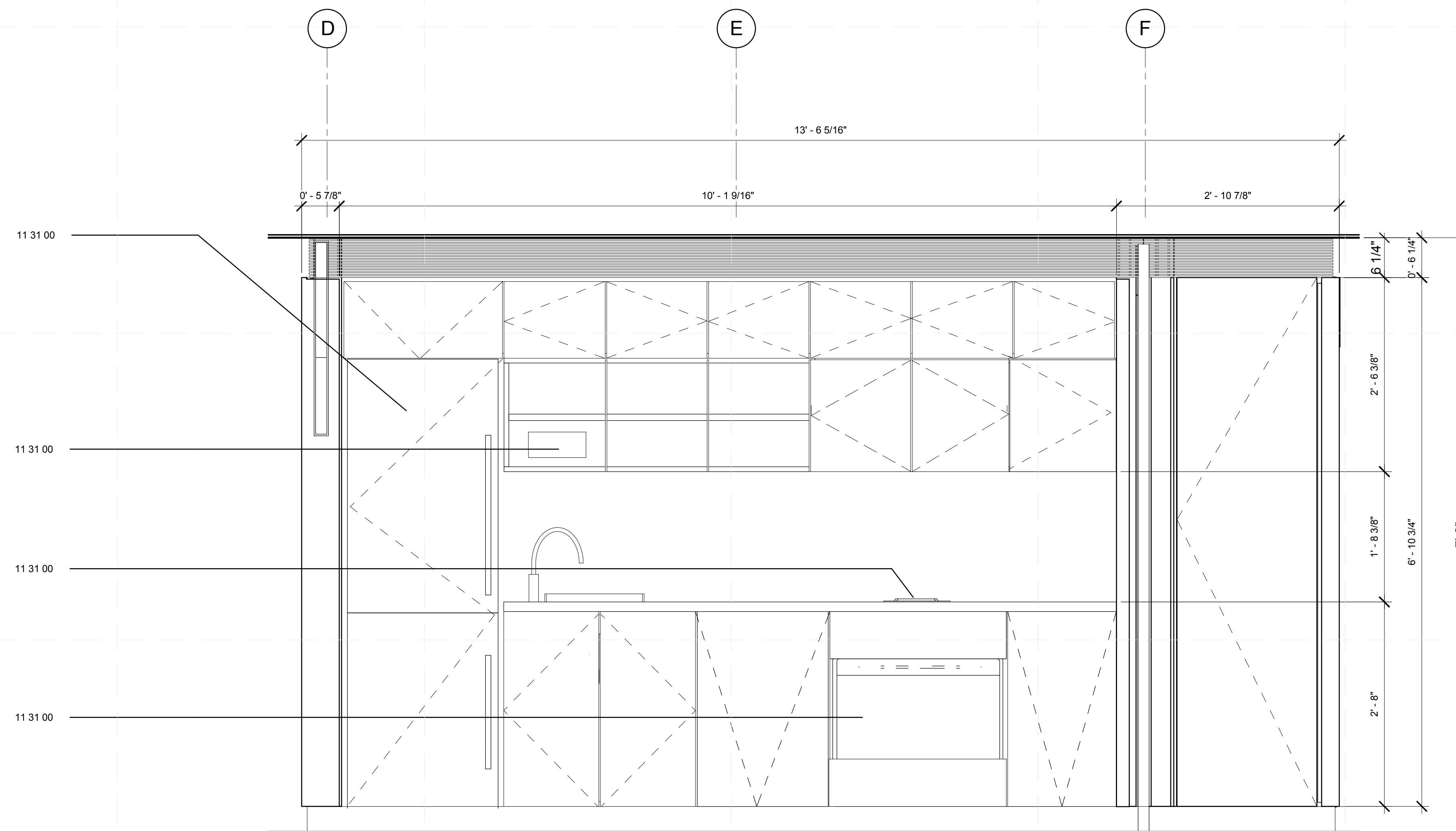
I-207.01

GENERAL SHEET NOTES

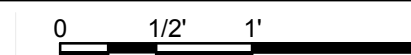
1. SEE I-53.011 FOR KITCHEN REFRIGERATOR CABINET
2. SEE I-532.01 FOR KITCHEN SINK CABINET
3. SEE I-533.01 FOR KITCHEN DISHWASHER
4. SEE I-534.01 FOR KITCHEN OVEN AND COOKTOOP CABINET
5. SEE I-521.01 FOR ACCESS TO ELECTRICAL CLOSET
6. 1/4" REVEAL AT ADJACENT CABINETS
7. DIMENSIONS ARE TAKEN TO CENTER OF CABINET DOORS

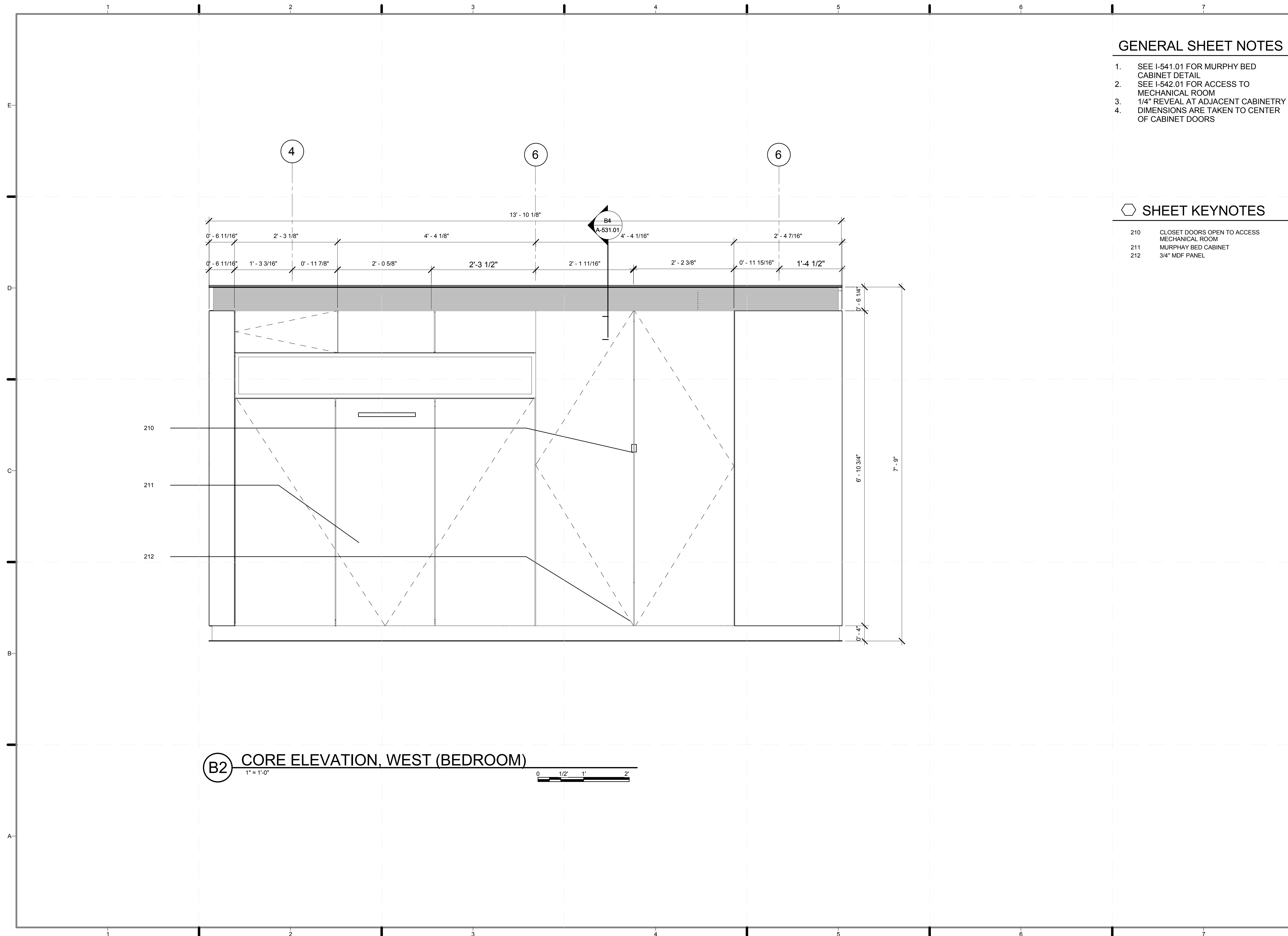
REFERENCE KEYNOTES

11 31 00 RESIDENTIAL APPLIANCES



B1 CORE EXT. ELEVATION, SOUTH (KITCHEN)
1" = 1'-0"





GENERAL SHEET NOTES

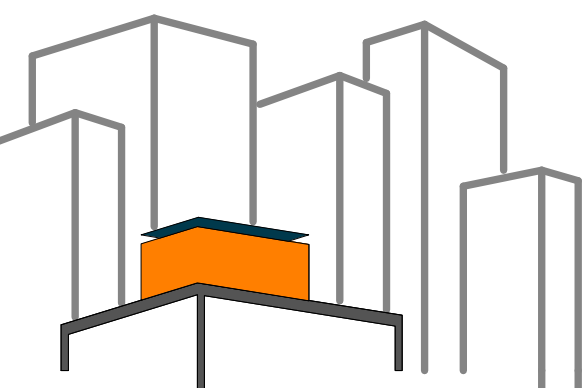
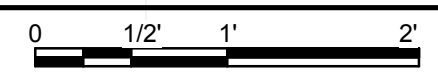
1. SEE I-541.01 FOR MURPHY BED CABINET DETAIL
2. SEE I-542.01 FOR ACCESS TO MECHANICAL ROOM
3. 1/4" REVEAL AT ADJACENT CABINETRY
4. DIMENSIONS ARE TAKEN TO CENTER OF CABINET DOORS

SHEET KEYNOTES

- | | |
|-----|---|
| 210 | CLOSET DOORS OPEN TO ACCESS MECHANICAL ROOM |
| 211 | MURPHY BED CABINET |
| 212 | 3/4" MDF PANEL |

B2 CORE ELEVATION, WEST (BEDROOM)

1" = 1'-0"



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: **403**

DRAWN BY: **ASTRIT MAKSUTI**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:42:03 PM**

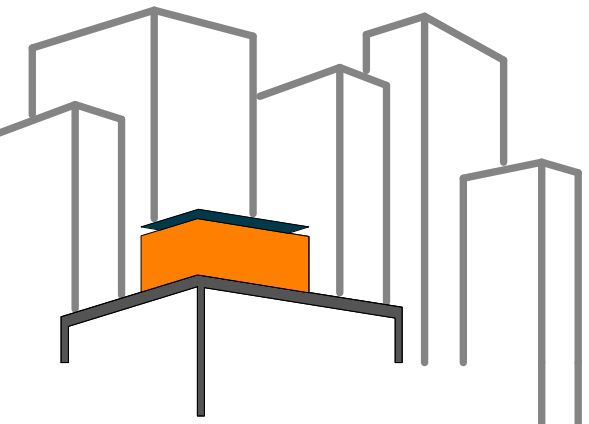
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
CORE EXT. ELEVATION, WEST (BEDROOM)

SCALE: **1"=1'**

PLAN #:

I-208.01



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **TEICHA VILLEGAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:42:07 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
CORE INT.
ELEVATION, BATH
(SOUTH+NORTH)

SCALE: **1"=1'**
PLAN #:

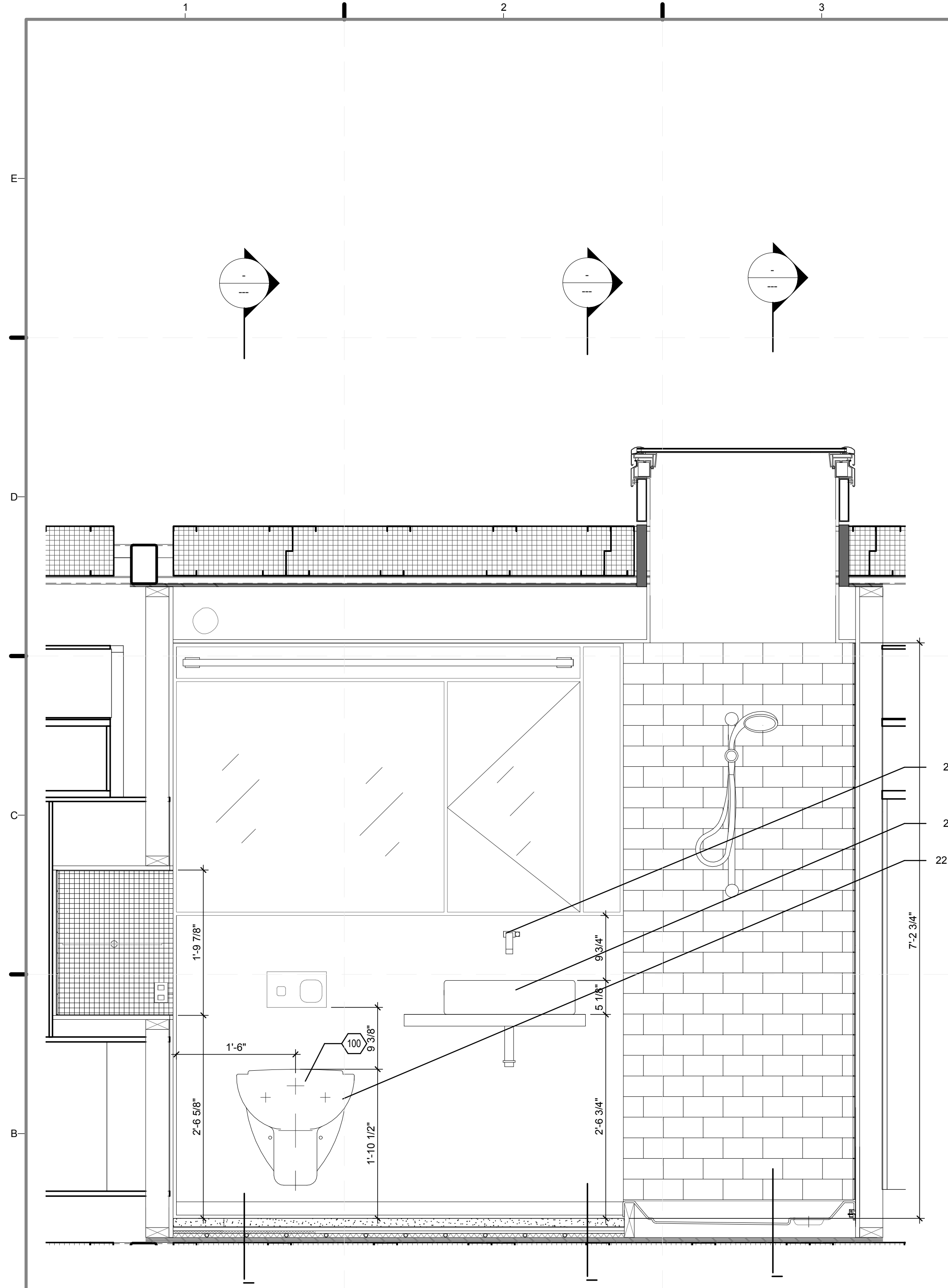
I-211.01

GENERAL SHEET NOTES

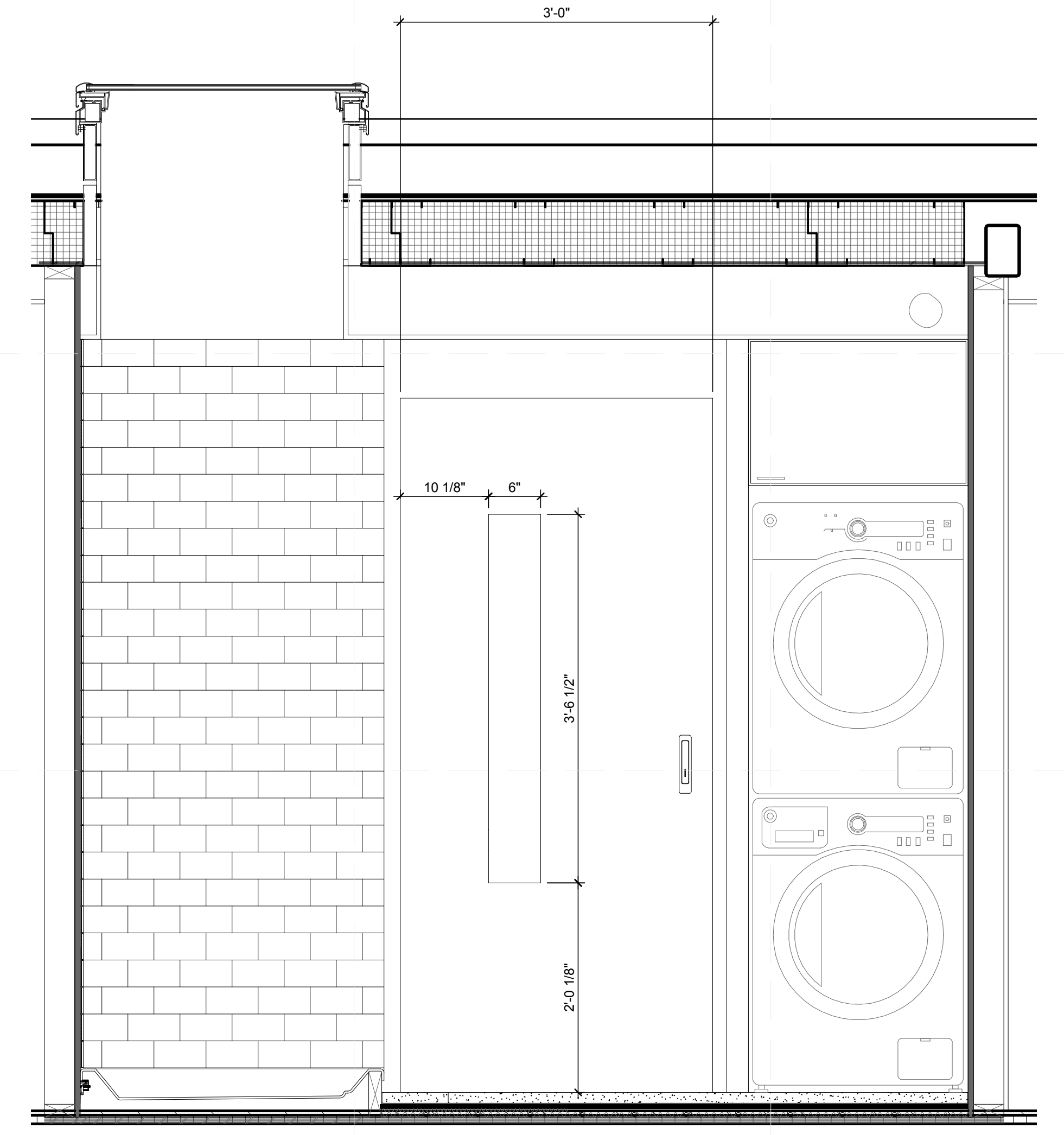
1. SEE I-562.01 FOR DETAIL BATH, SINK AND FLOW METER INSTALLATION
2. SEE I-563.01 FOR BATH, SHOWER TRAY DRAIN DETAIL
3. SEE I-564.01 FOR BATH, TILED NICHE DETAIL
4. SEE I-502.01 FOR BATH, SLIDING DOOR DETAIL
5. SEE I-565.01 FOR BATH, LAUNDRY SHELF
6. 1/4" REVEAL AT ADJACENT CABINETRY DIMENSIONS ARE TAKEN TO CENTER OF CABINET DOORS
- 7.

REFERENCE KEYNOTES

- | | |
|-------------|---|
| 22 41 13.A1 | WATER CLOSET |
| 22 41 16 | RESIDENTIAL LAVATORIES AND SINKS |
| 22 41 23 | RESIDENTIAL SHOWER RECEPTORS AND BASINS |
| 22 41 39 | RESIDENTIAL FAUCETS, SUPPLIES AND TRIM |



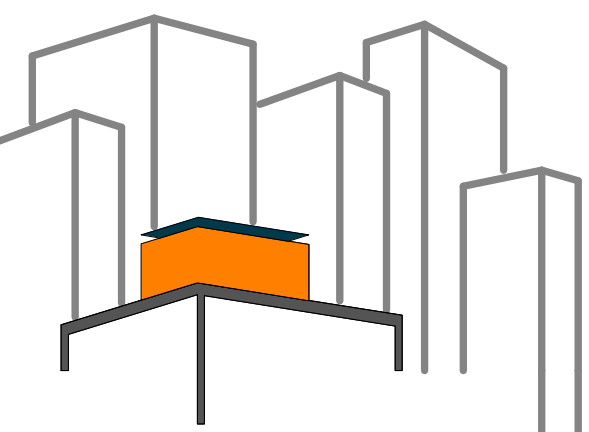
B1 BATHROOM NORTH ELEVATION
1" = 1'-0"
0 1/2' 1' 2'



B4 BATHROOM SOUTH ELEVATION
1" = 1'-0"
0 1/2' 1' 2'

REFERENCE KEYNOTES

09 30 00 TILING
22 41 00 RESIDENTIAL PLUMBING FIXTURES



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: GEORGE FAHIM

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:42:10 PM

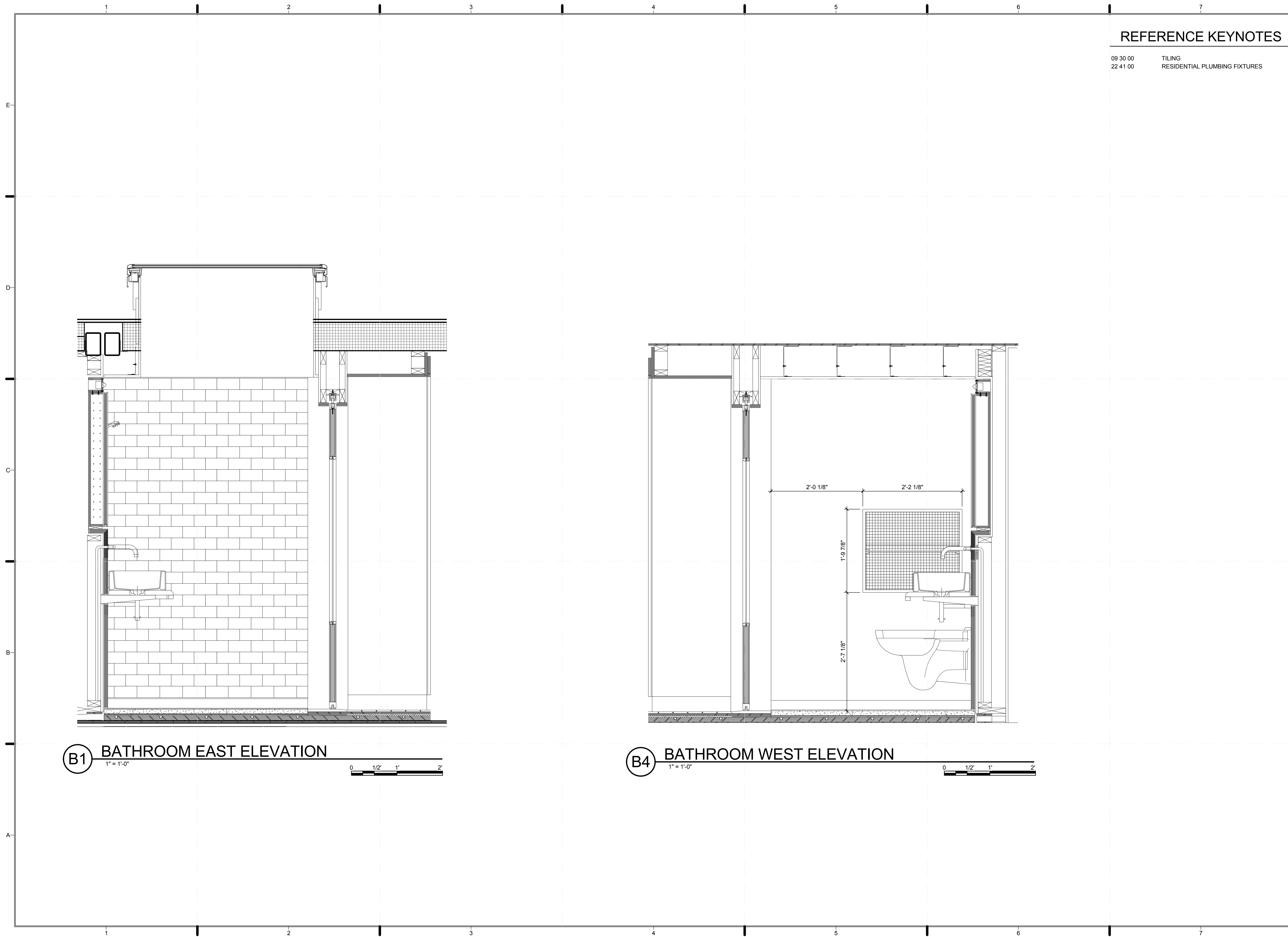
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
CORE INT.
ELEVATION, BATH
(EAST+WEST)

SCALE: 1"=1'

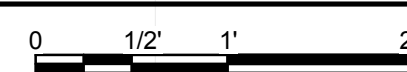
PLAN #:

I-212.01



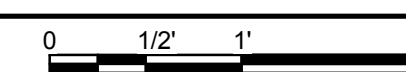
B1 BATHROOM EAST ELEVATION

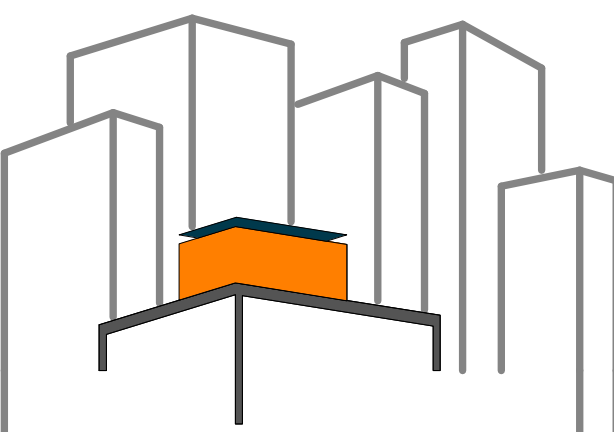
1" = 1'-0"



B4 BATHROOM WEST ELEVATION

1" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ROSTYSLAV PECHENYY

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:42:12 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

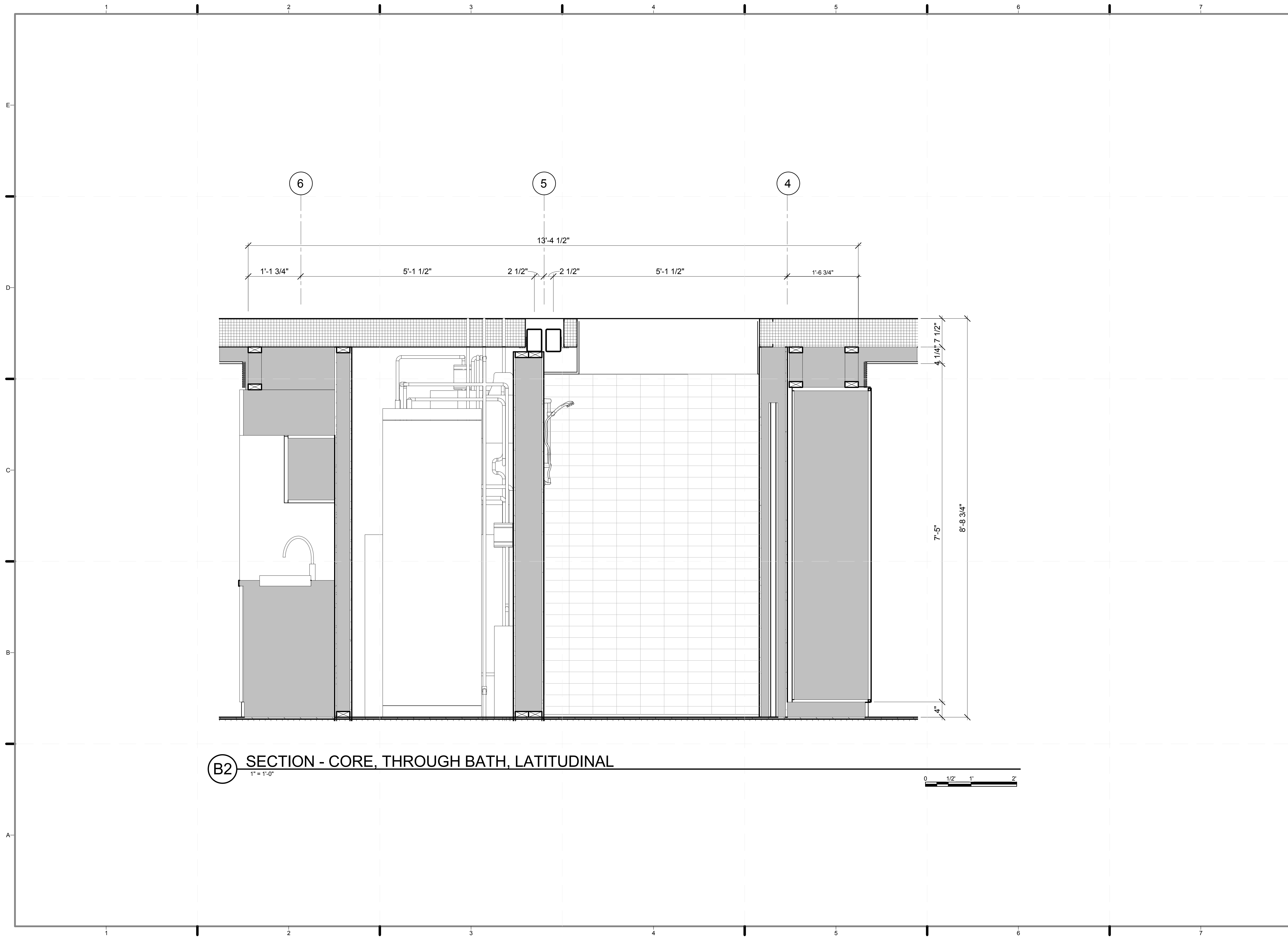
SHEET TITLE:

LAT. SECTION-
CORE, THROUGH
BATH SHOWER

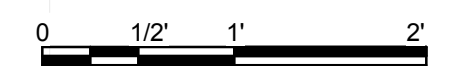
SCALE: 1"=1'

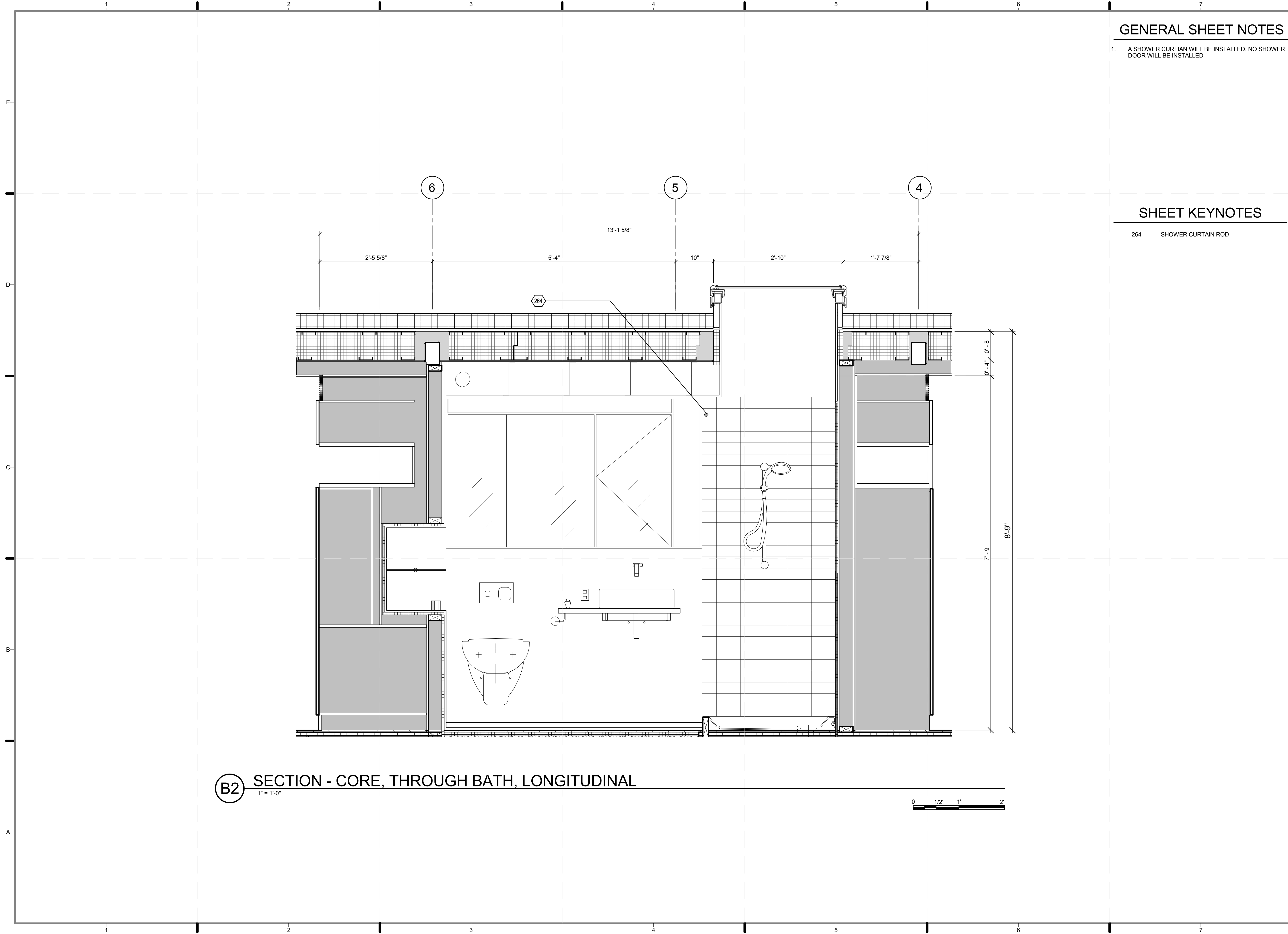
PLAN #:

I-301.01



B2 SECTION - CORE, THROUGH BATH, LATITUDINAL
1" = 1'-0"





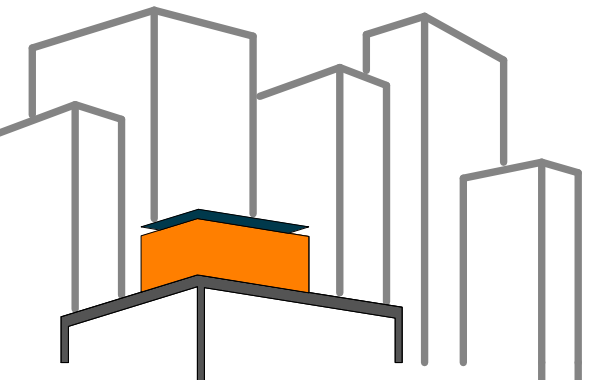
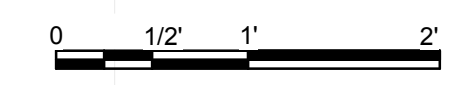
GENERAL SHEET NOTES

1. A SHOWER CURTIAN WILL BE INSTALLED, NO SHOWER DOOR WILL BE INSTALLED

SHEET KEYNOTES

264 SHOWER CURTIAN ROD

B2 SECTION - CORE, THROUGH BATH, LONGITUDINAL
1" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

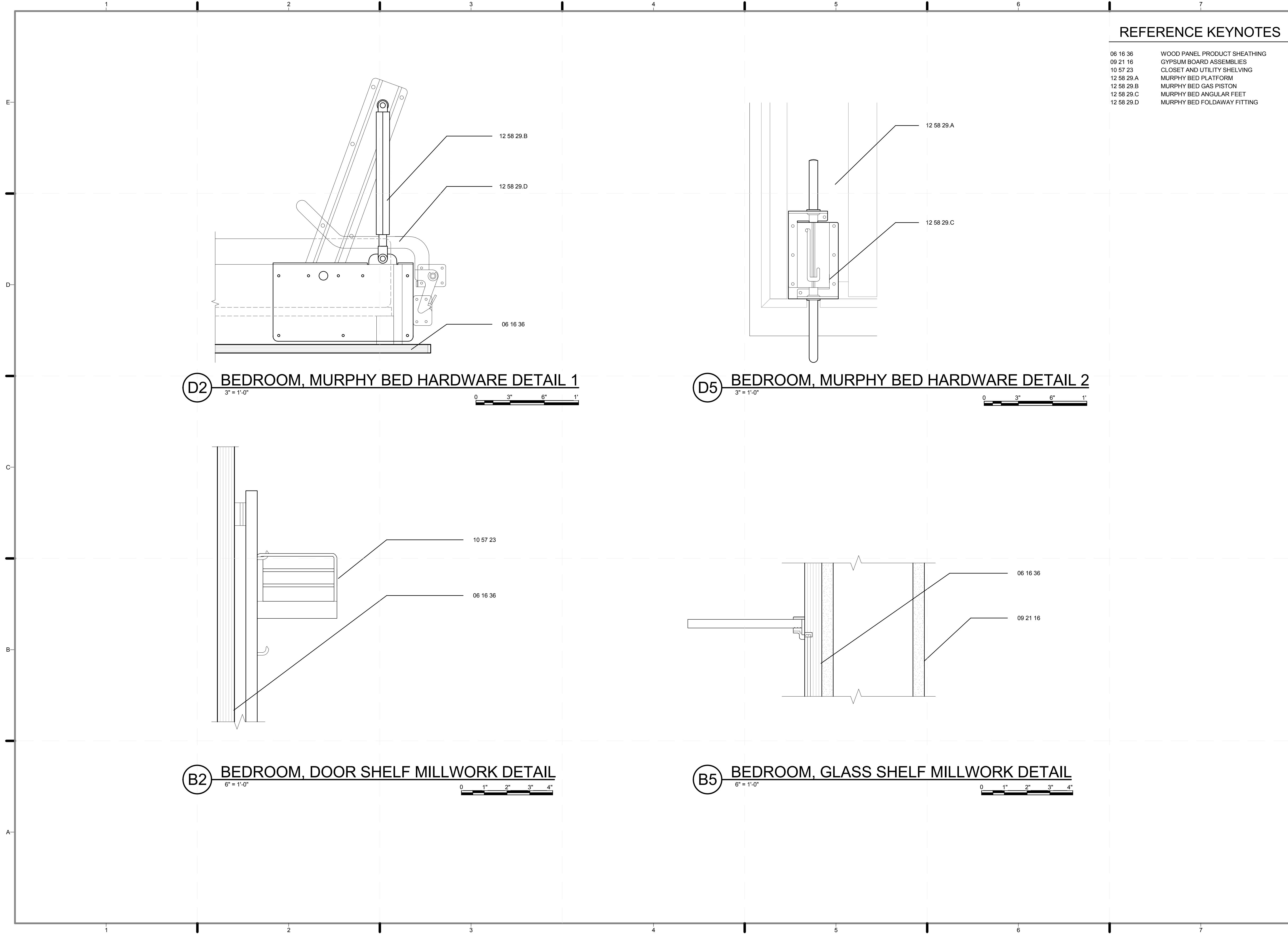
LOT NUMBER: 403
DRAWN BY: **TEICHA VILLEGAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:42:15 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
LONG. SECTION-
CORE, THROUGH
BATH

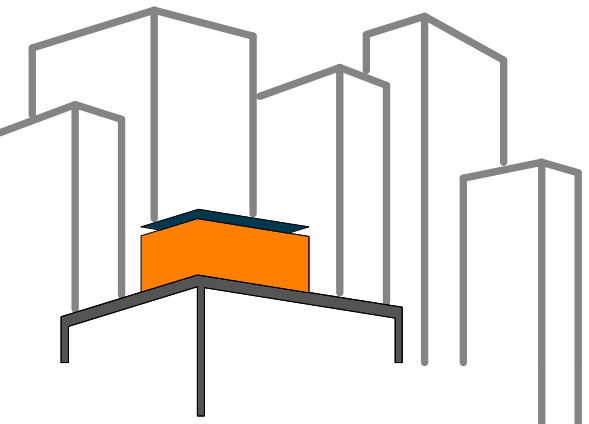
SCALE: **1"=1'**
PLAN #:

I-302.01



REFERENCE KEYNOTES

06 16 36	WOOD PANEL PRODUCT SHEATHING
09 21 16	GYPSUM BOARD ASSEMBLIES
10 57 23	CLOSET AND UTILITY SHELVING
12 58 29.A	MURPHY BED PLATFORM
12 58 29.B	MURPHY BED GAS PISTON
12 58 29.C	MURPHY BED ANGULAR FEET
12 58 29.D	MURPHY BED FOLDAWAY FITTING



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: TEICHA VILLEGAS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:42:18 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

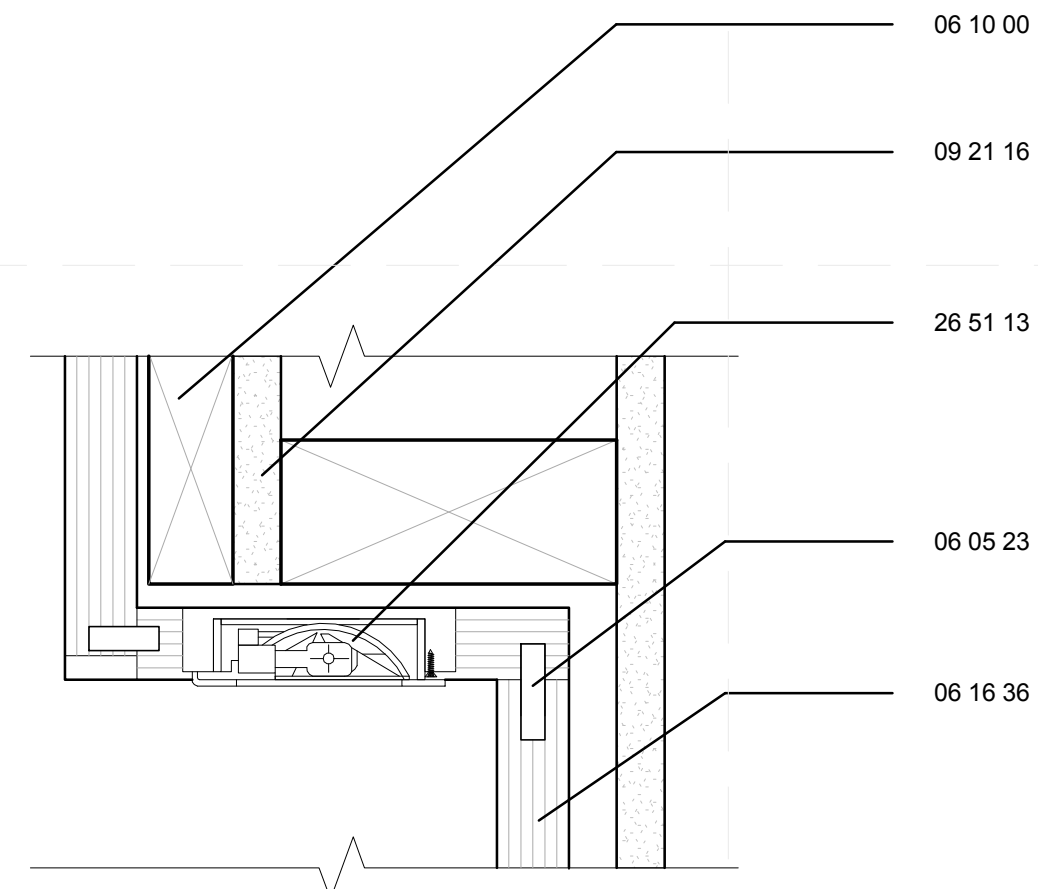
SHEET TITLE:
PARTITION TYPES, MILLWORK (BEDROOM)

SCALE: **AS INDICATED**
PLAN #:

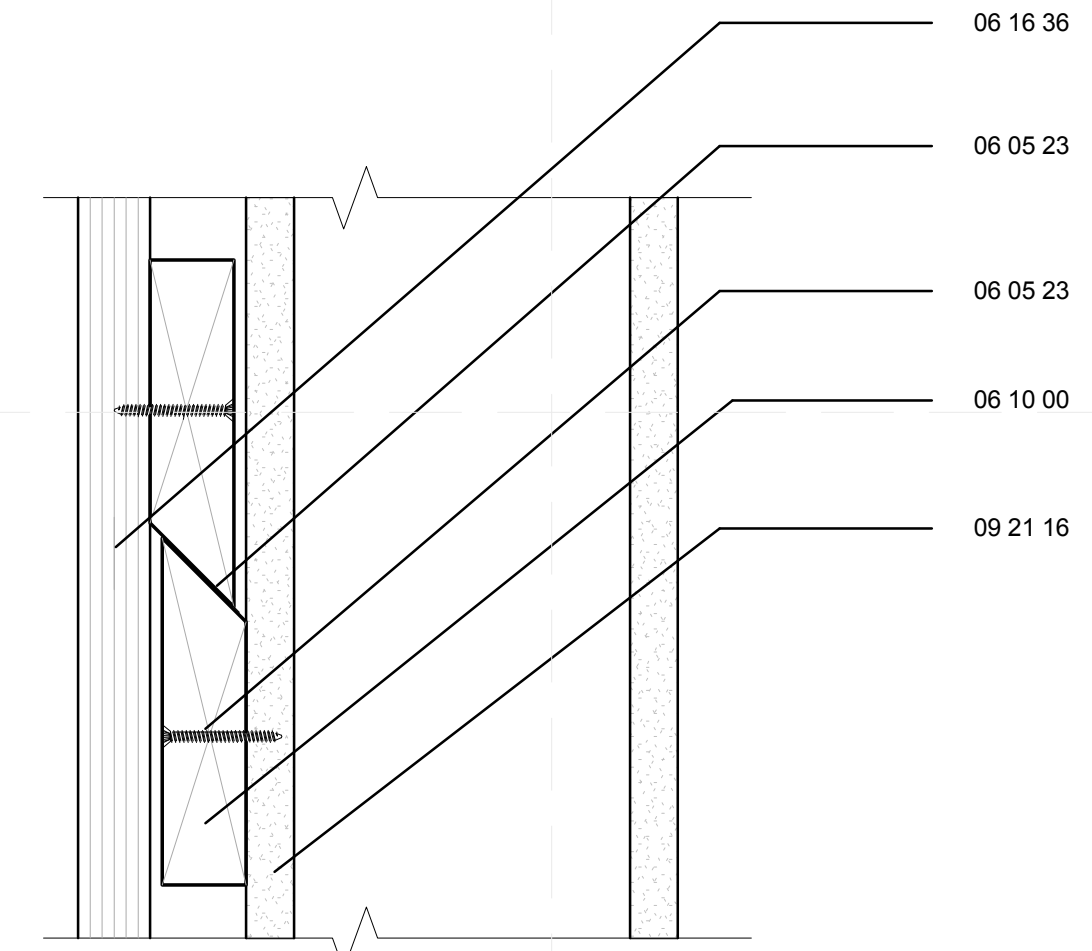
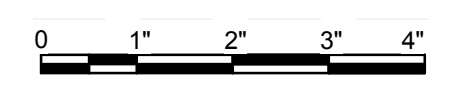
I-321.01

REFERENCE KEYNOTES

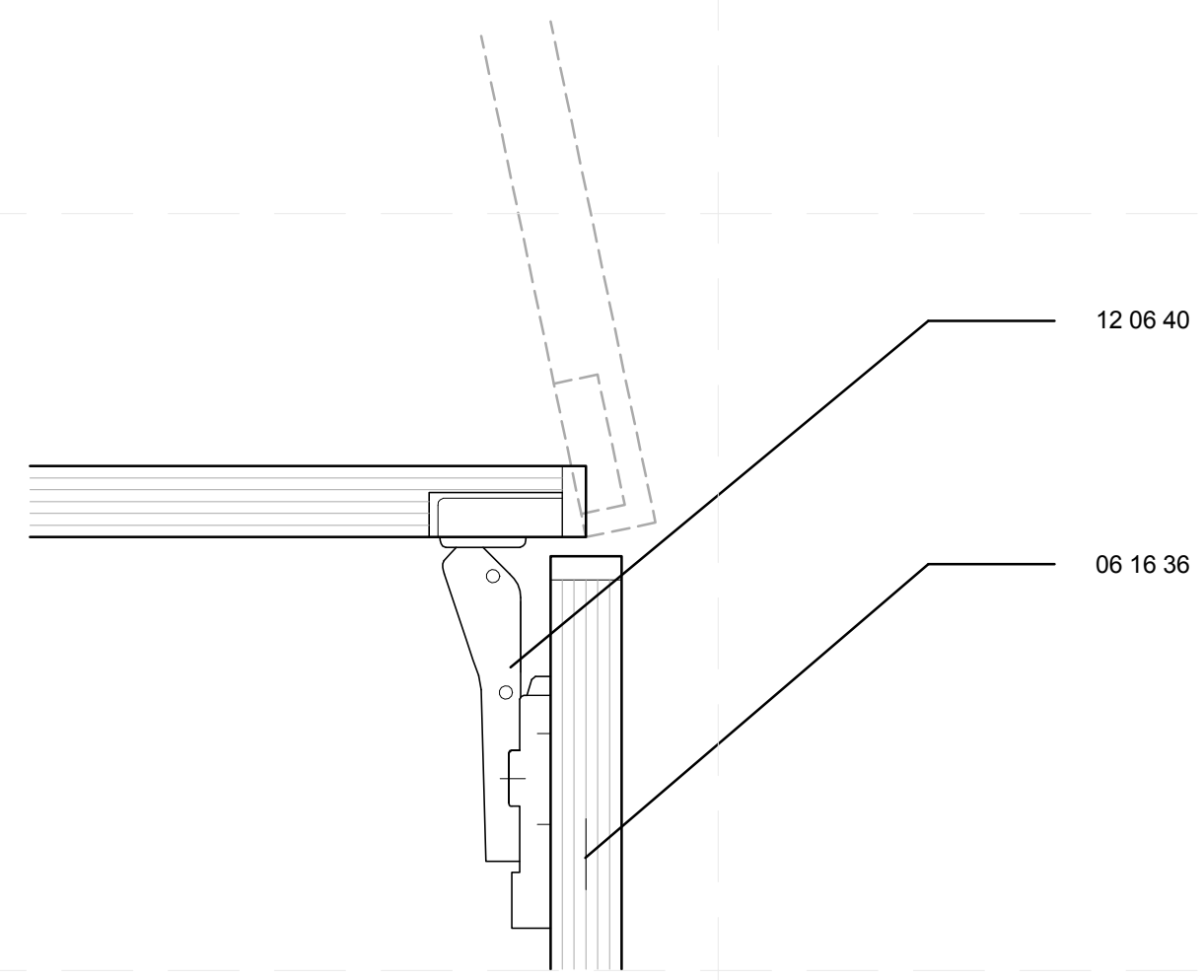
06 05 23	WOOD, PLASTIC, AND COMPOSITE FASTENINGS
06 10 00	ROUGH CARPENTRY
06 16 36	WOOD PANEL PRODUCT SHEATHING
09 21 16	GYPSUM BOARD ASSEMBLIES
12 06 40	SCHEDULE FOR HARDWARE
26 51 13	INTERIOR LIGHTING



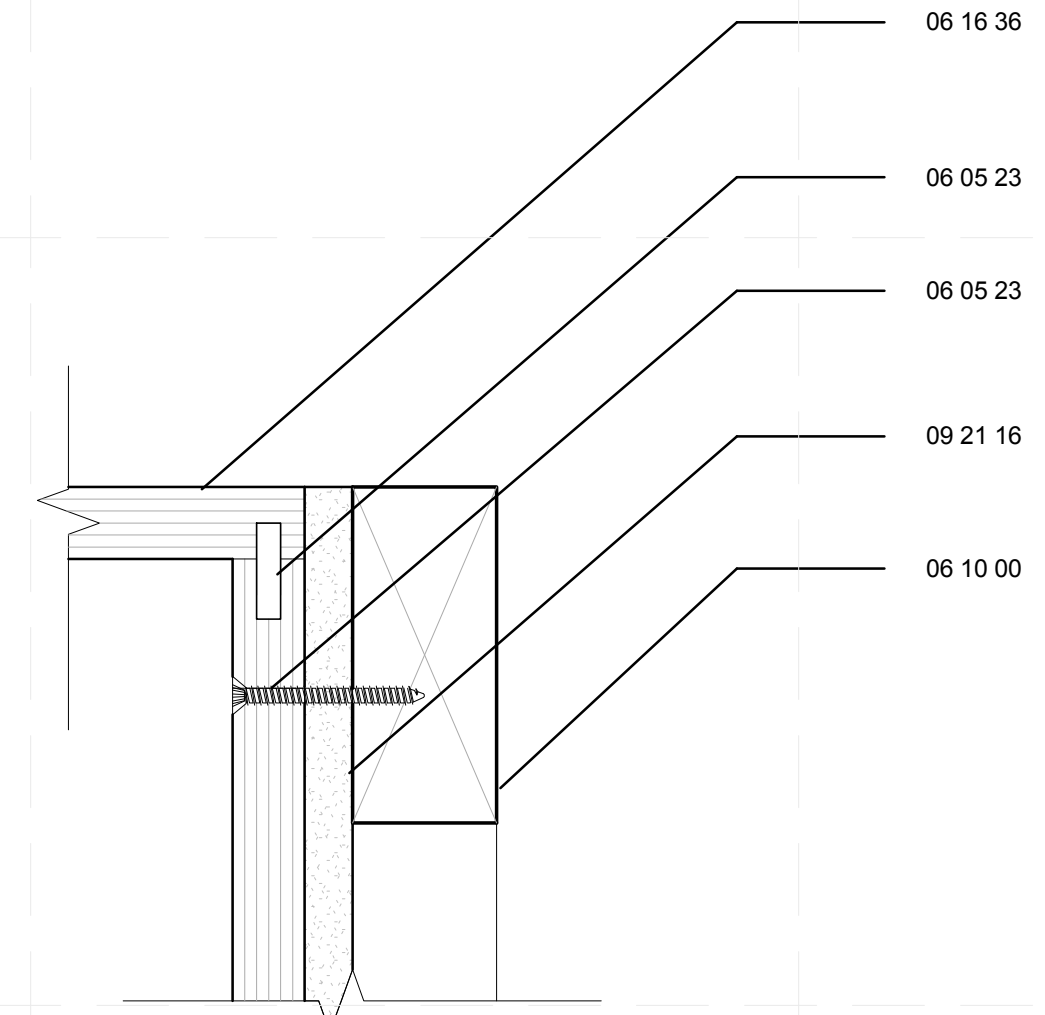
(D2) ENTRY, LED LIGHT MILLWRK DETAIL
6" = 1'-0"



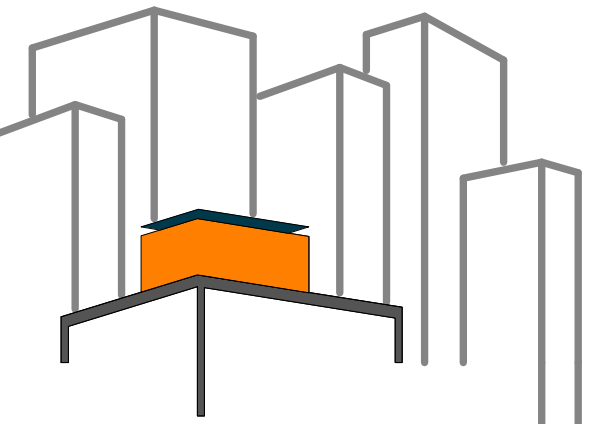
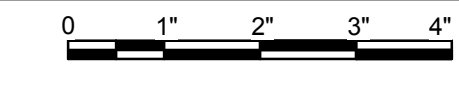
(D5) WALL PANEL MOUNTING MILLWRK DETAIL
6" = 1'-0"



(B2) CABINET DOOR HINGE MILLWRK DETAIL
6" = 1'-0"



(B5) CABINET MOUNTING MILLWRK DETAIL
6" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

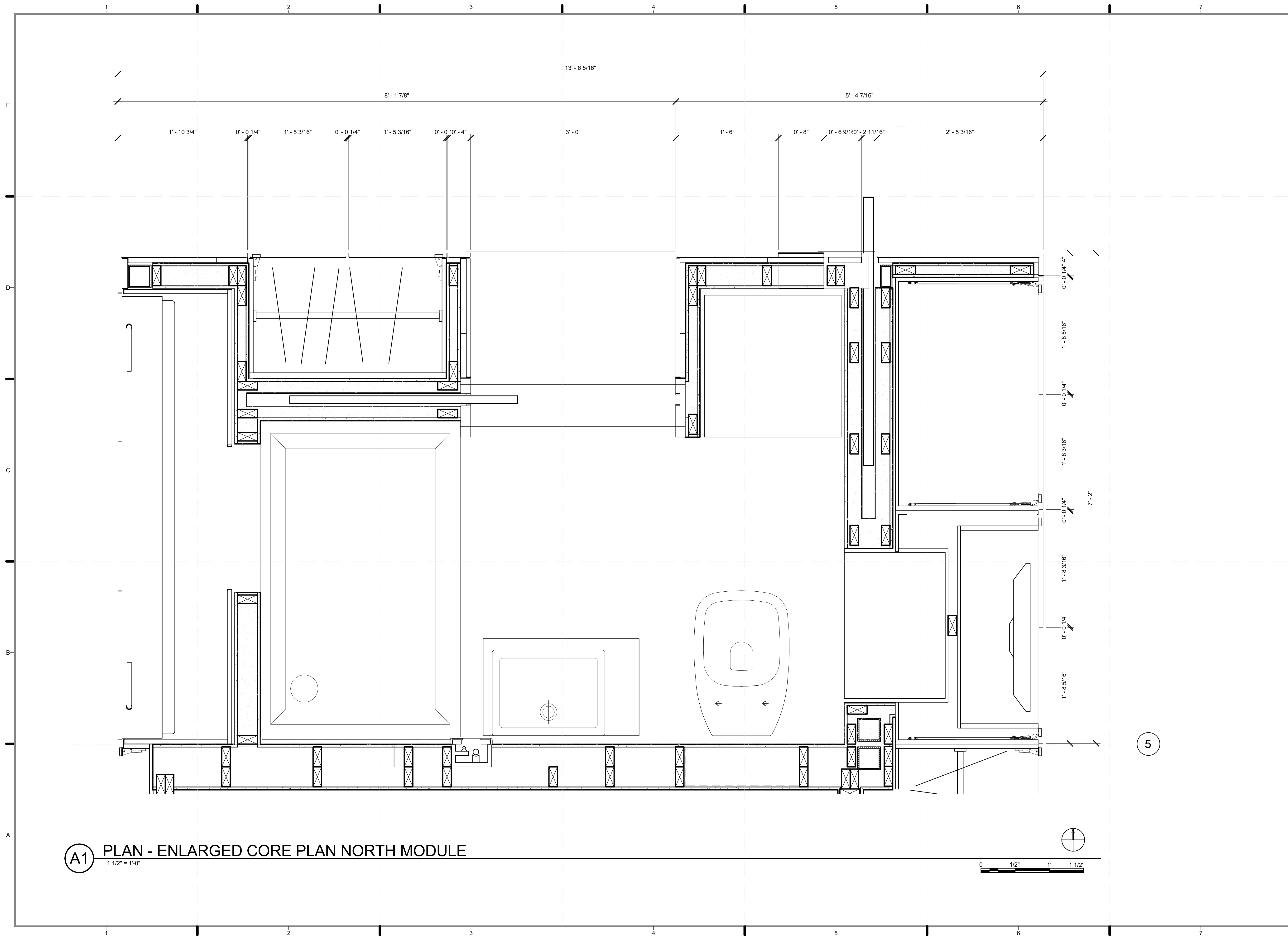
LOT NUMBER: 403
DRAWN BY: **TEICHA VILLEGAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:42:20 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

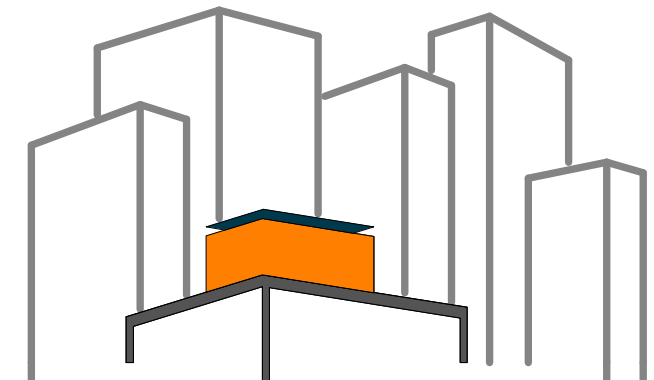
SHEET TITLE:
PARTITION TYPES, MILLWRK (ENTRY)

SCALE: **6" = 1'-0"**
PLAN #:

I-322.01



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



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnySD1@gmail.com



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

REVISIONS: DATE / NAME

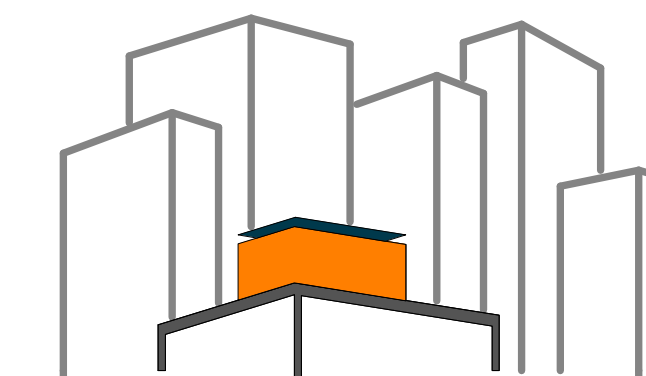
LOT NUMBER: 403
 DRAWN BY: YINERY BAEZ
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:42:22 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 PLAN- ENLARGED
 CORE PLAN, NORTH
 MODULE

SCALE: 1 1/2"=1'
 PLAN #:

I-401.01



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnySD11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **YINERY BAEZ**

CHECKED BY: **CHRISTIAN VOLKMANN**

DATE: **8/12/2011 10:42:24 PM**

**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

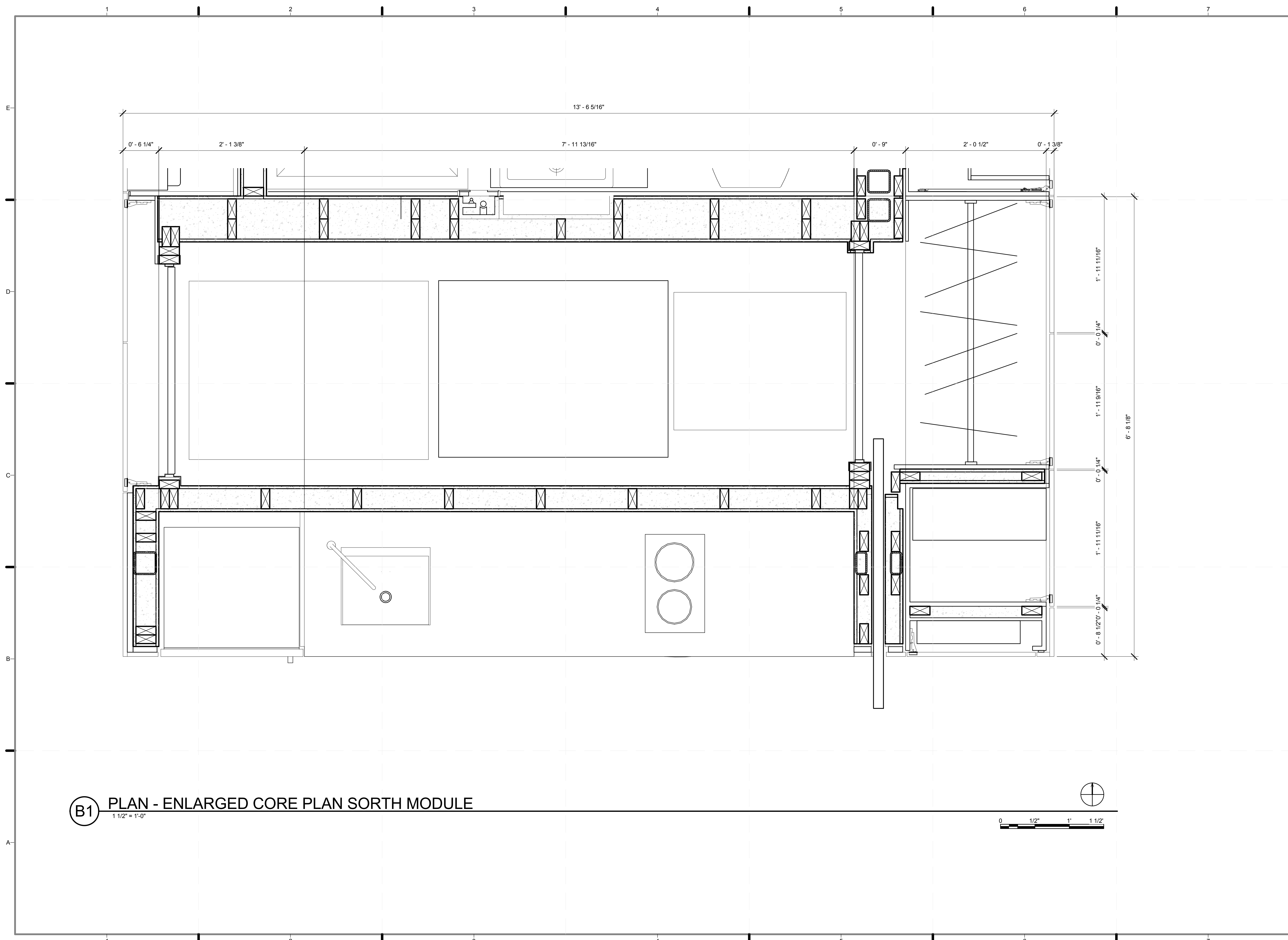
SHEET TITLE:

**PLAN- ENLARGED
CORE PLAN, SOUTH
MODULE**

SCALE: **1 1/2"=1'**

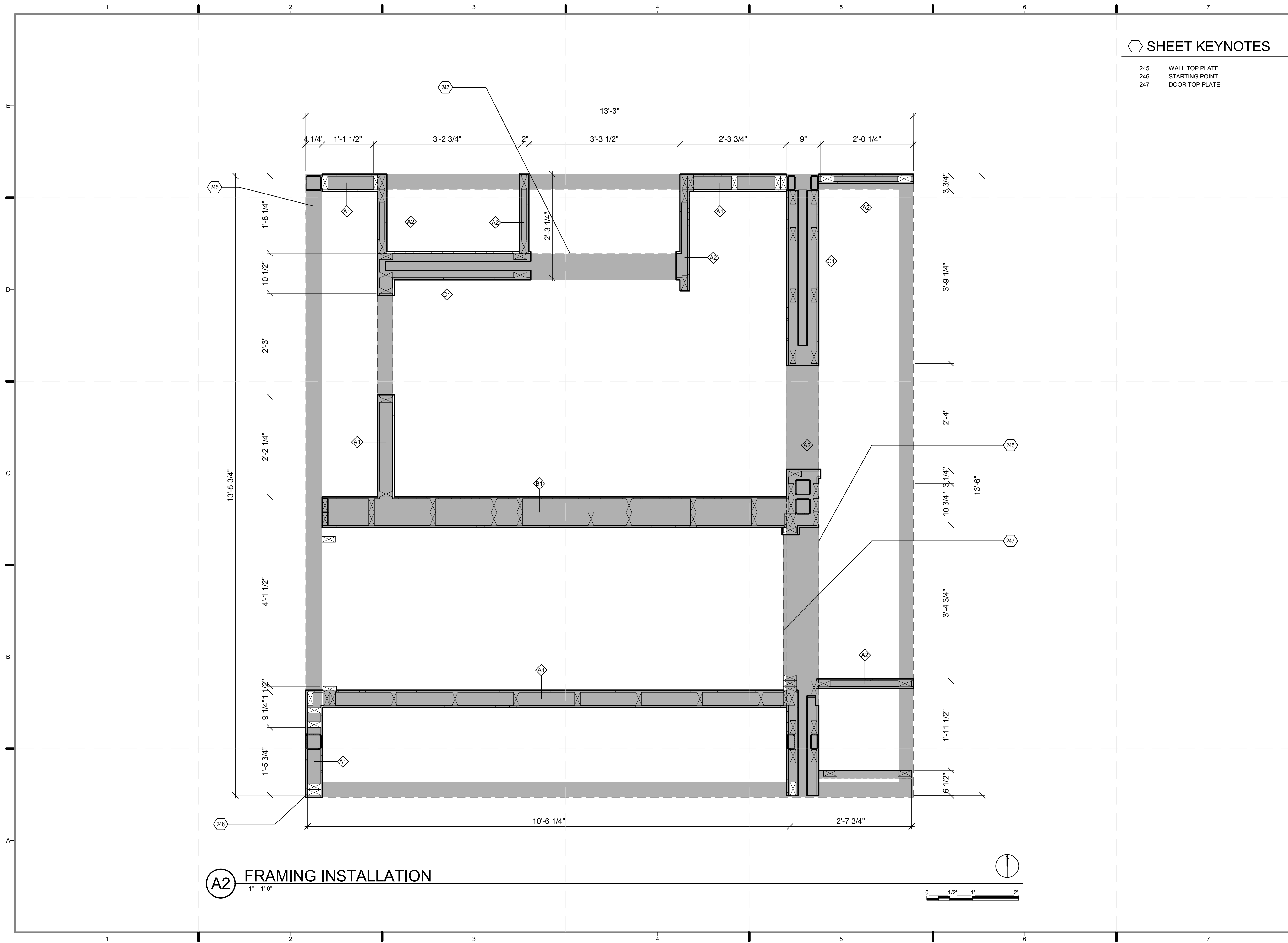
PLAN #:

I-402.01



B1 PLAN - ENLARGED CORE PLAN SOUTH MODULE
1 1/2" = 1'-0"

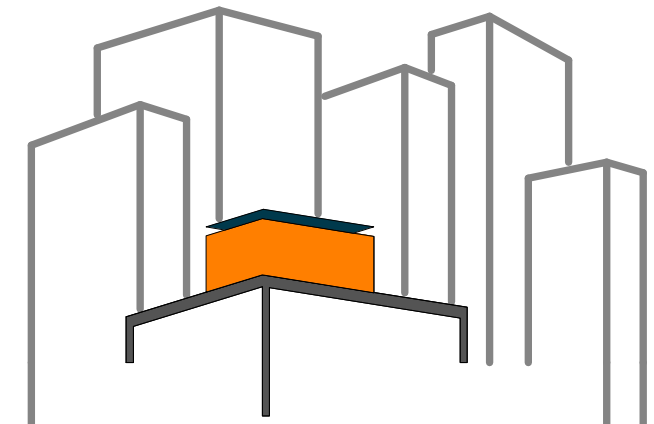




SHEET KEYNOTES

245	WALL TOP PLATE
246	STARTING POINT
247	DOOR TOP PLATE

A2 FRAMING INSTALLATION
1" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

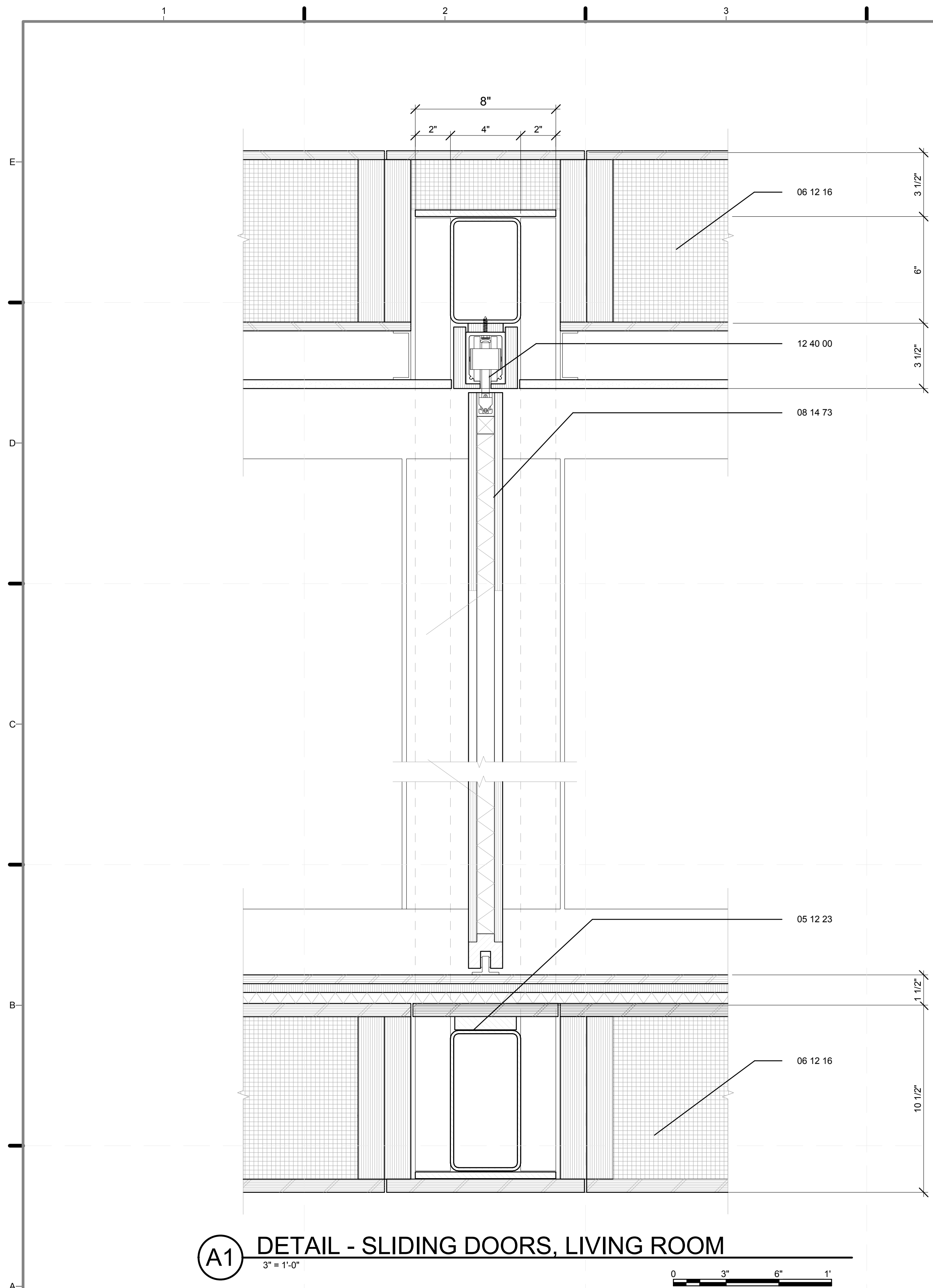
LOT NUMBER: 403
DRAWN BY: **MICHAEL CHENG**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:42:26 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

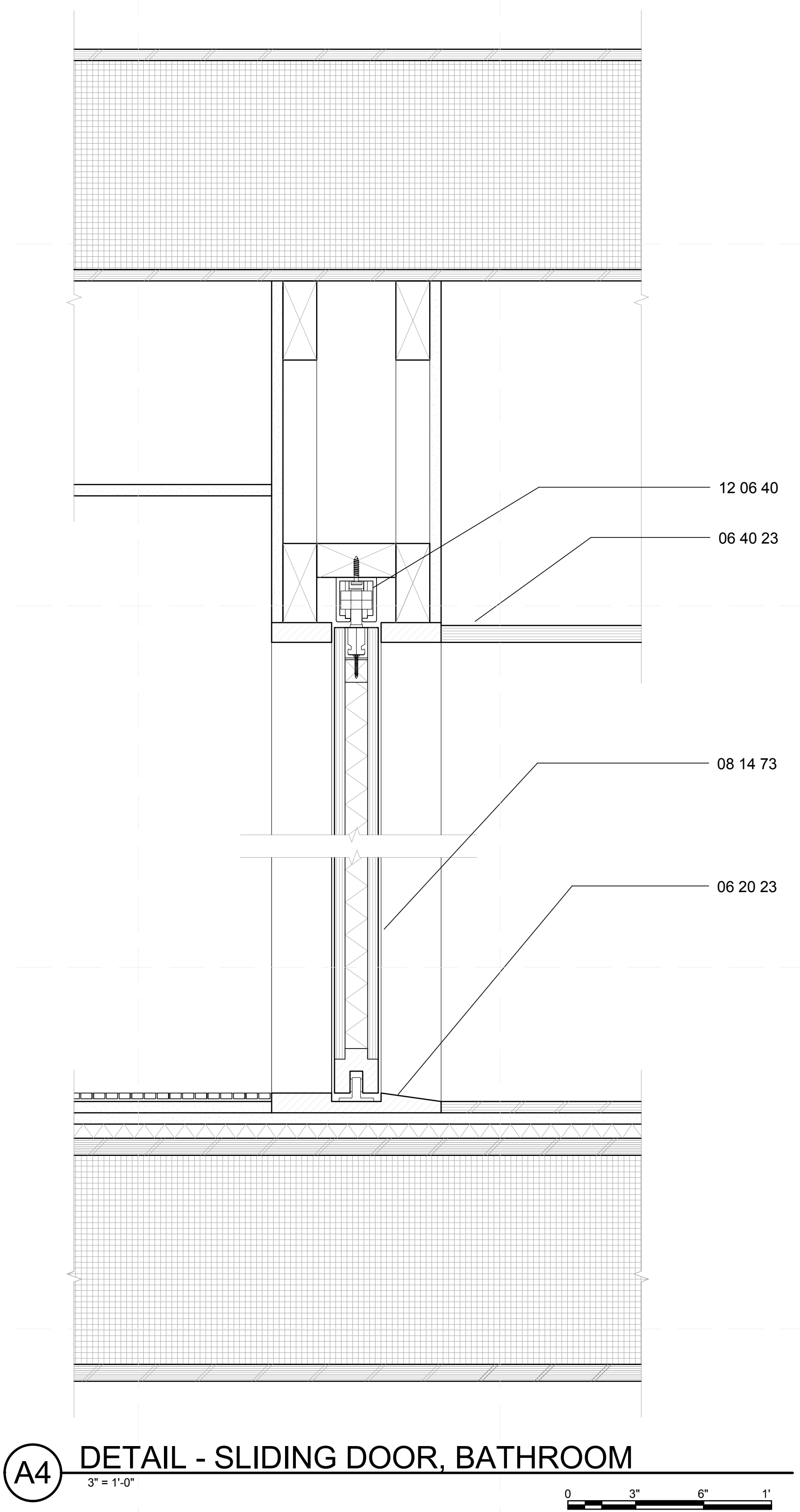
SHEET TITLE:
FRAMING INSTALLATION

SCALE: **1"=1'**
PLAN #:

I-403.01



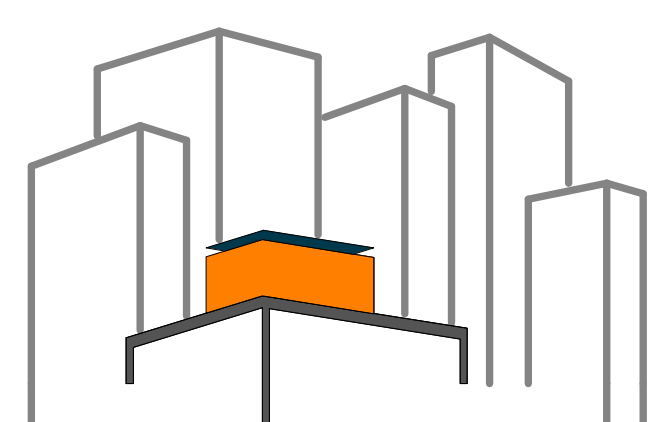
A1 DETAIL - SLIDING DOORS, LIVING ROOM
3" = 1'-0"



A4 DETAIL - SLIDING DOOR, BATHROOM
3" = 1'-0"

REFERENCE KEYNOTES

- 05 12 23 STRUCTURAL STEEL FOR BUILDINGS
- 06 12 16 STRESSED SKIN PANELS
- 08 14 73 SLIDING WOOD DOORS
- 12 40 00 FURNISHINGS AND ACCESSORIES



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: ROSTYSLAV PECHENYY
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:42:29 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

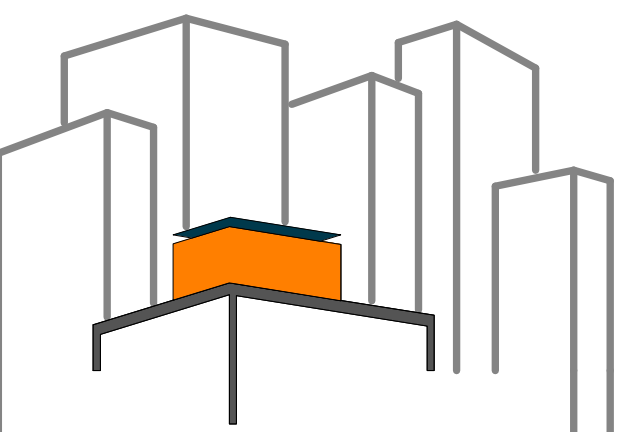
SHEET TITLE:
DETAIL- SLIDING DOORS - LIVING ROOM & BATHROOM

SCALE: 3" = 1'-0"
PLAN #:

I-501.01

REFERENCE KEYNOTES

06 46 00 WOOD TRIM



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

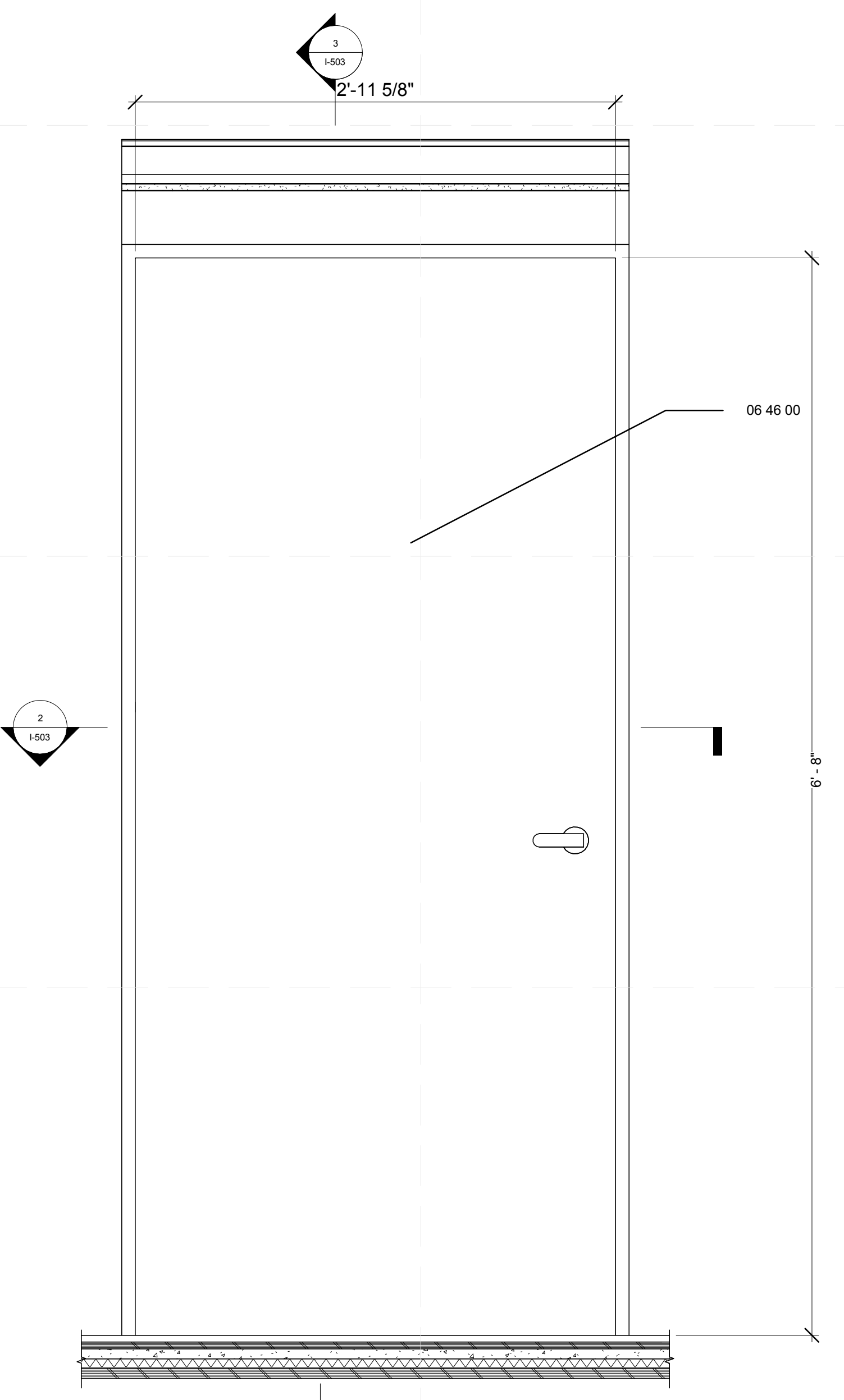
LOT NUMBER: 403
DRAWN BY: FARAH AHMAD
CHECKED BY: CHRISTIAN VOLKMANN
DATE: 8/12/2011 10:42:32 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

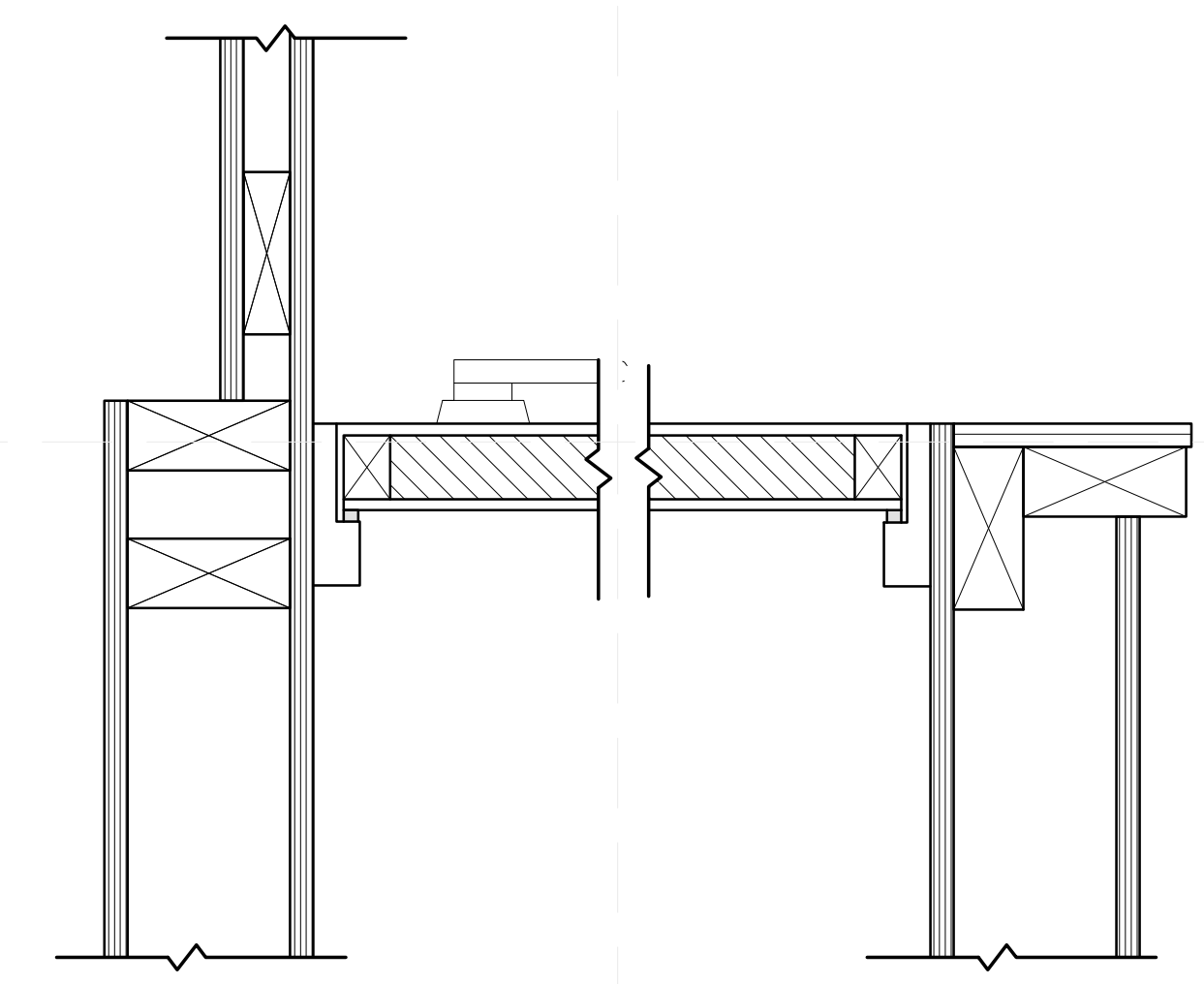
SHEET TITLE:
DETAIL- DOORS,
MECHANICAL ROOM

SCALE: AS INDICATED
PLAN #:

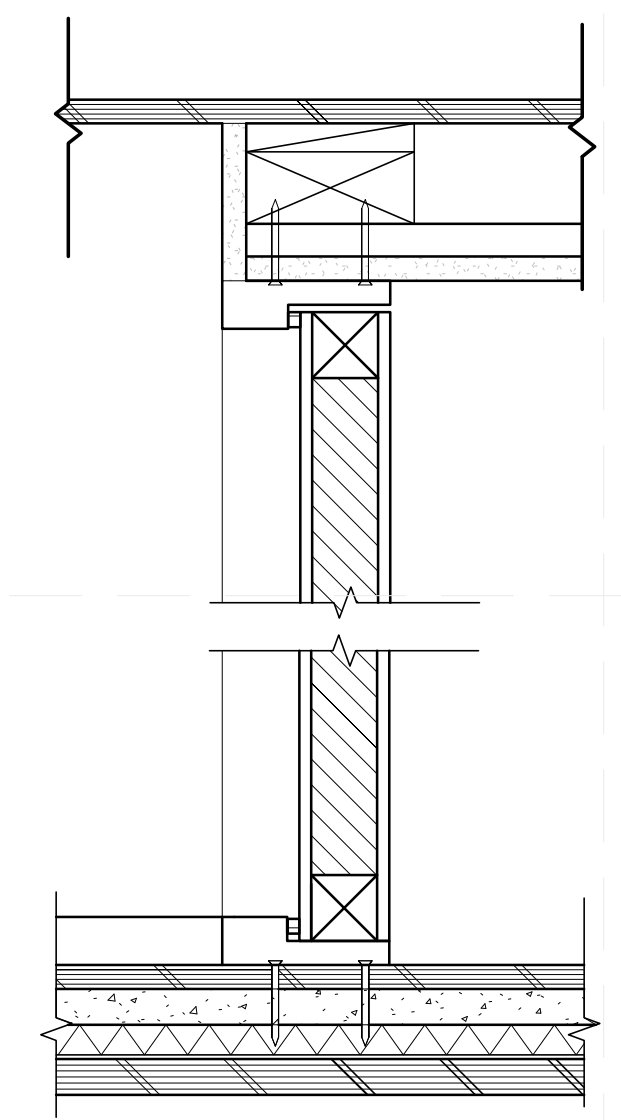
I-502.01



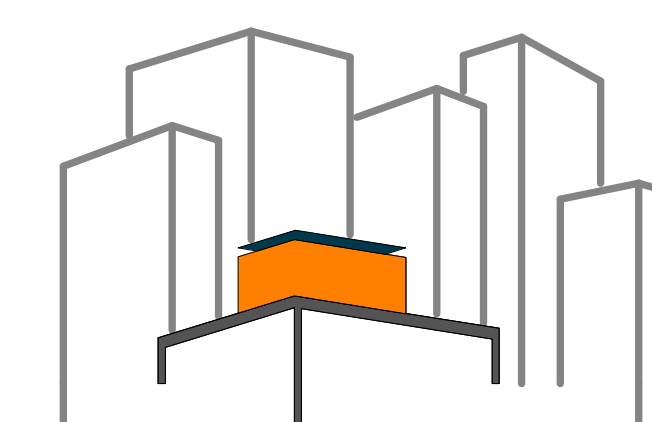
B2 DETAIL - DOOR, MECHANICAL ROOM
1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



D4 DETAIL - WOOD JAMB
3" = 1'-0"
0 3" 6" 1'



B4 DETAIL - HEADER AND SILL
3" = 1'-0"
0 3" 6" 1'



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 REVISED ELEGATIONS
AND CONNECTIONS

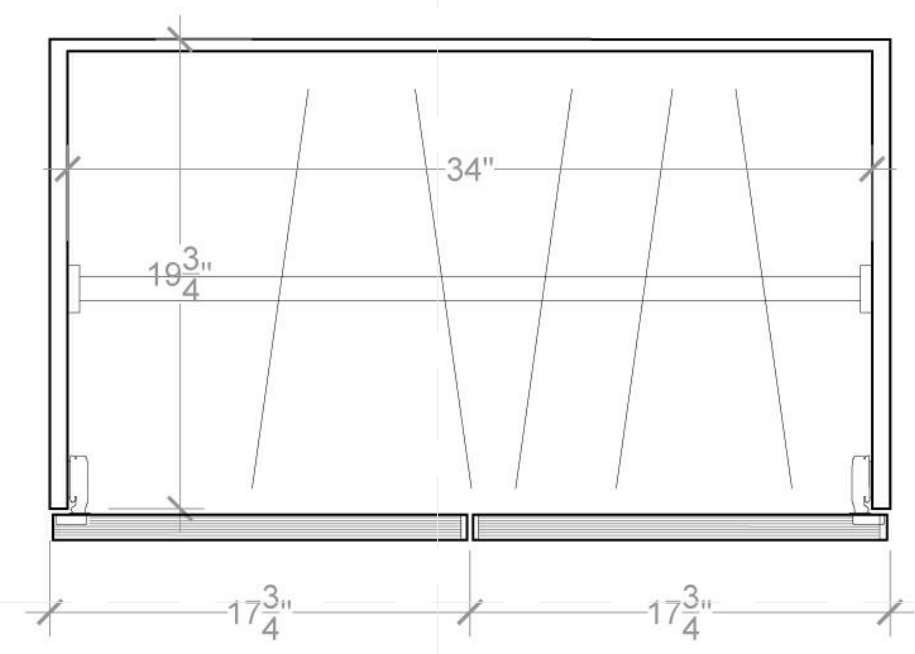
LOT NUMBER: 403
DRAWN BY: TEICHA VILLEGAS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:42:35 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

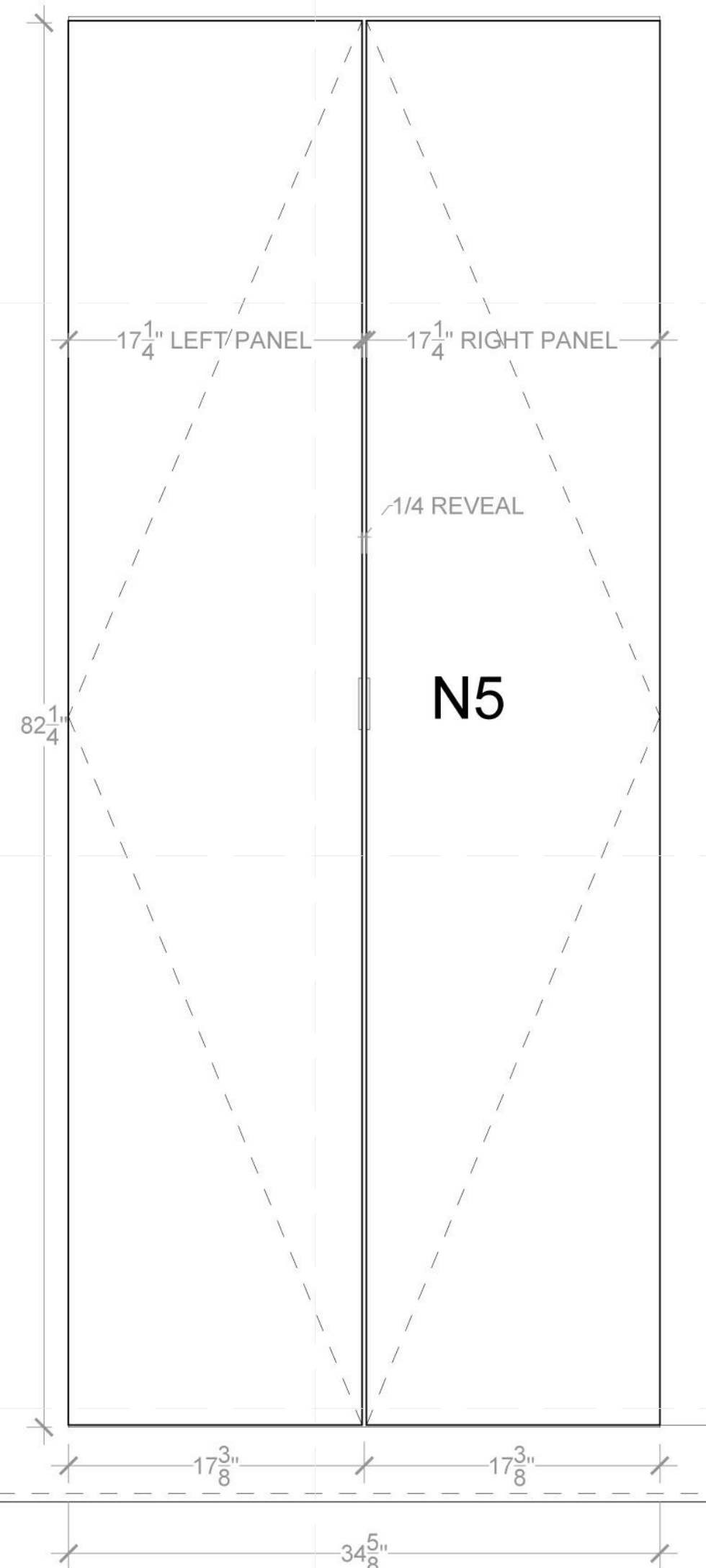
SHEET TITLE:
**DETAIL- ENTRY,
CLOSET**

SCALE: AS INDICATED
PLAN #:

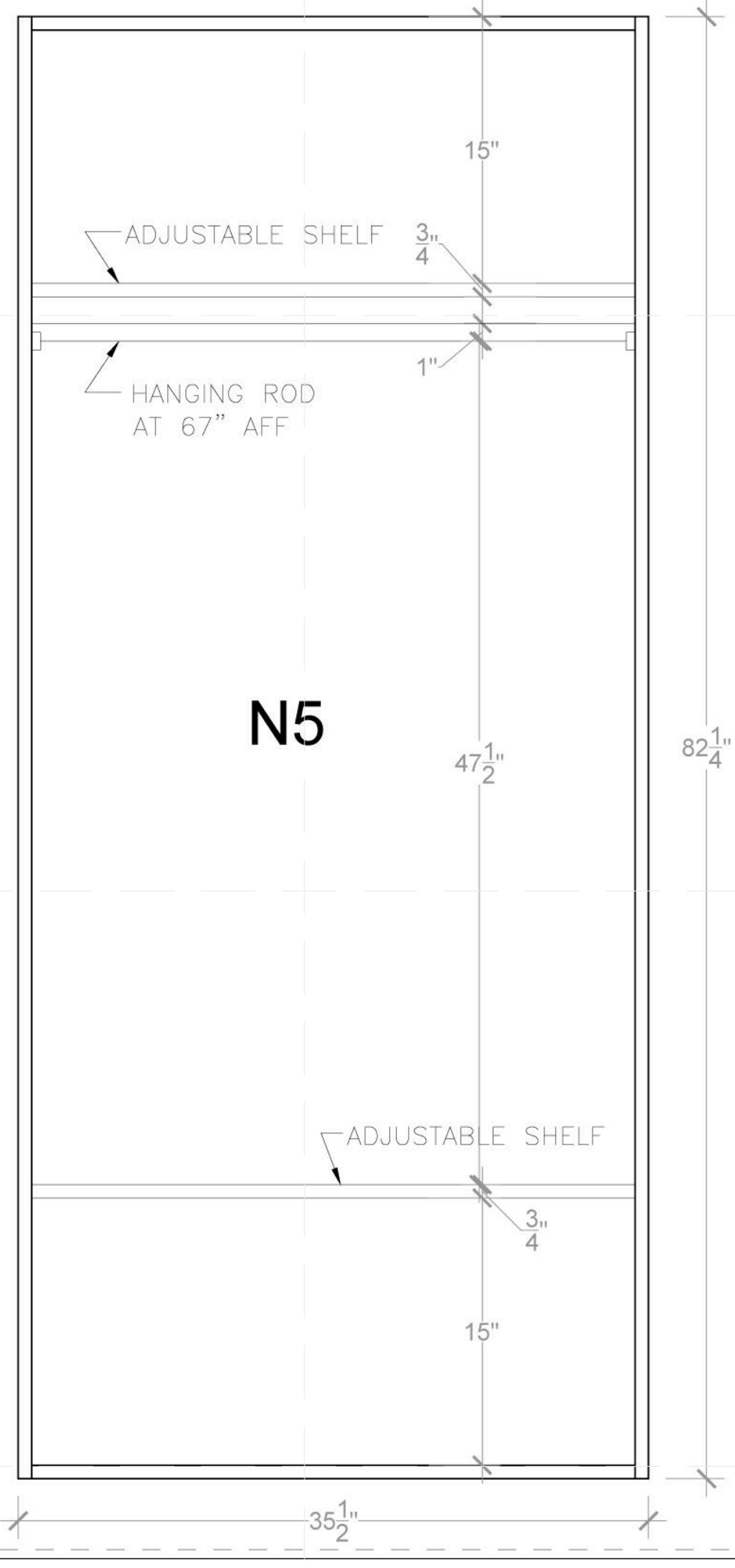
I-511.02



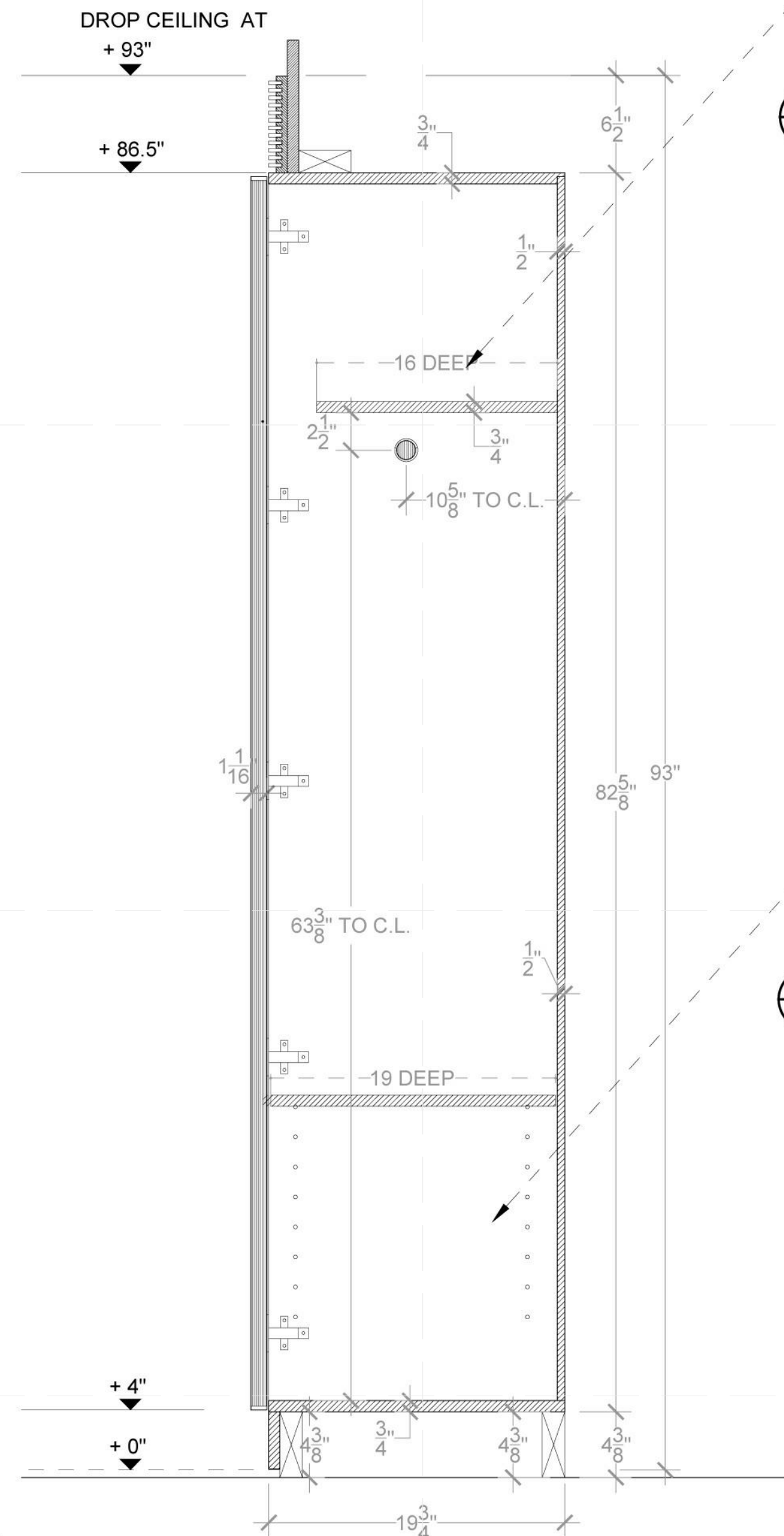
1 MILLWORK NORTH CLOSET PLAN
SCALE: 1-1/2" = 1'-0"



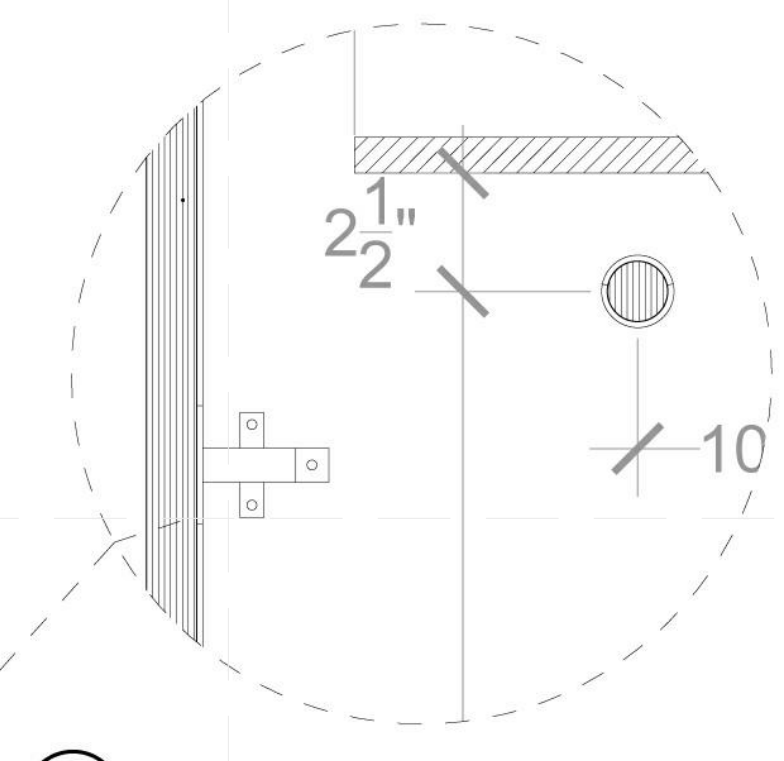
2 MILLWORK ELEVATION
SCALE: 1-1/2" = 1'-0"



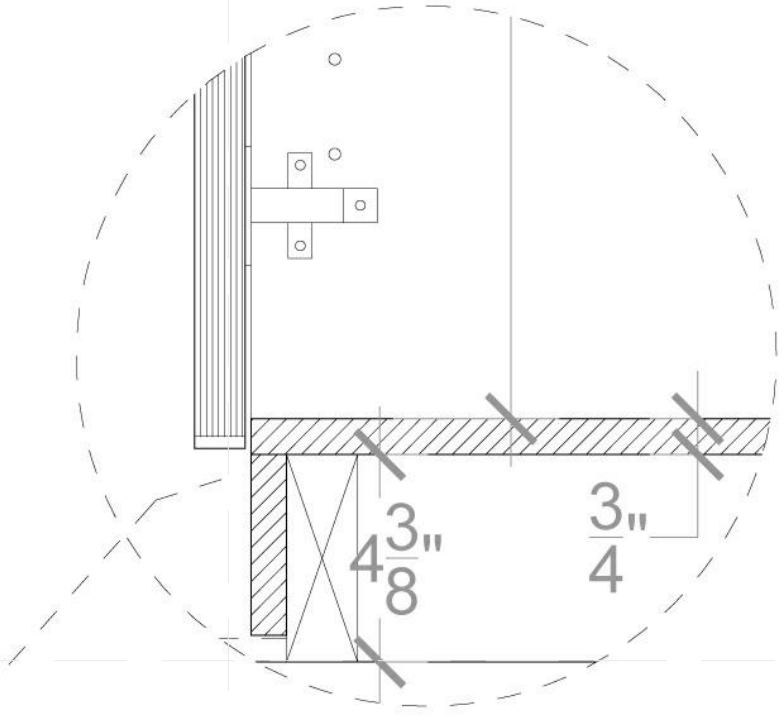
3 MILLWORK OPEN ELEVATION
SCALE: 1-1/2" = 1'-0"



4 MILLWORK SECTION
SCALE: 1-1/2" = 1'-0"



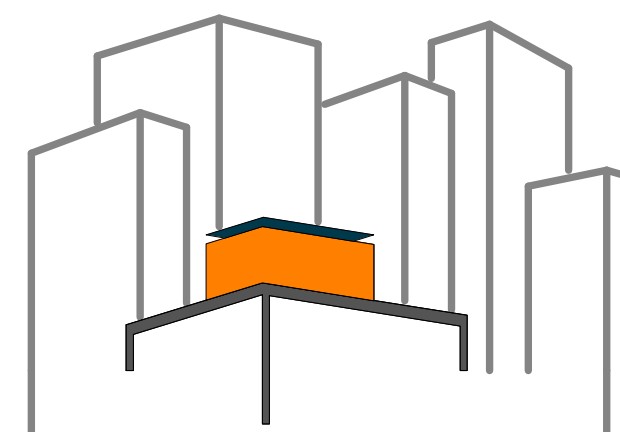
5 MILLWORK DETAIL
SCALE: 3" = 1'-0"



6 MILLWORK DETAIL
SCALE: 3" = 1'-0"

REFERENCE KEYNOTES

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
12 40 00 FURNISHINGS AND ACCESSORIES



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: TEICHA VILLEGAS

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:42:38 PM

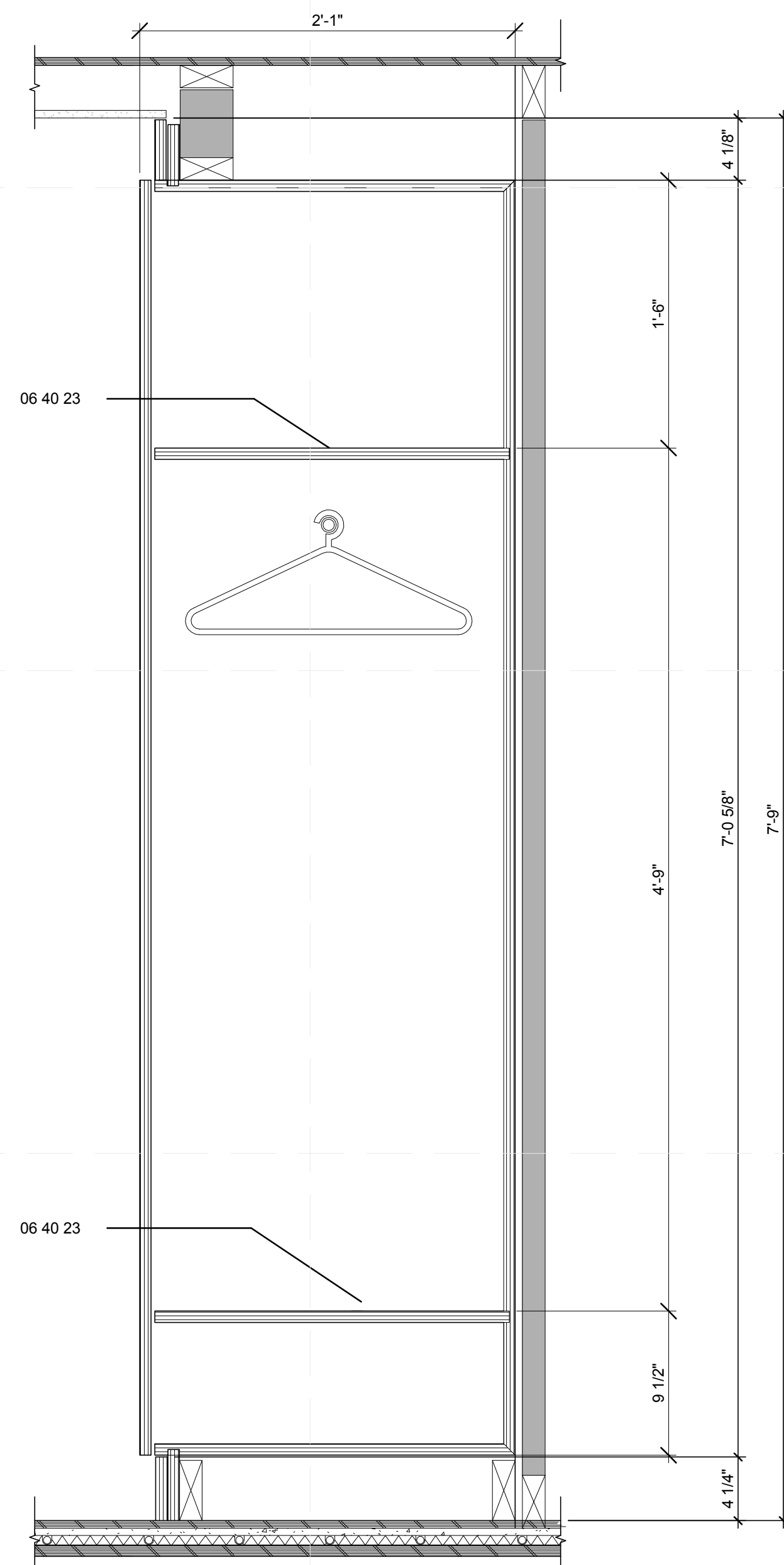
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- ENTRY,
COAT CLOSET

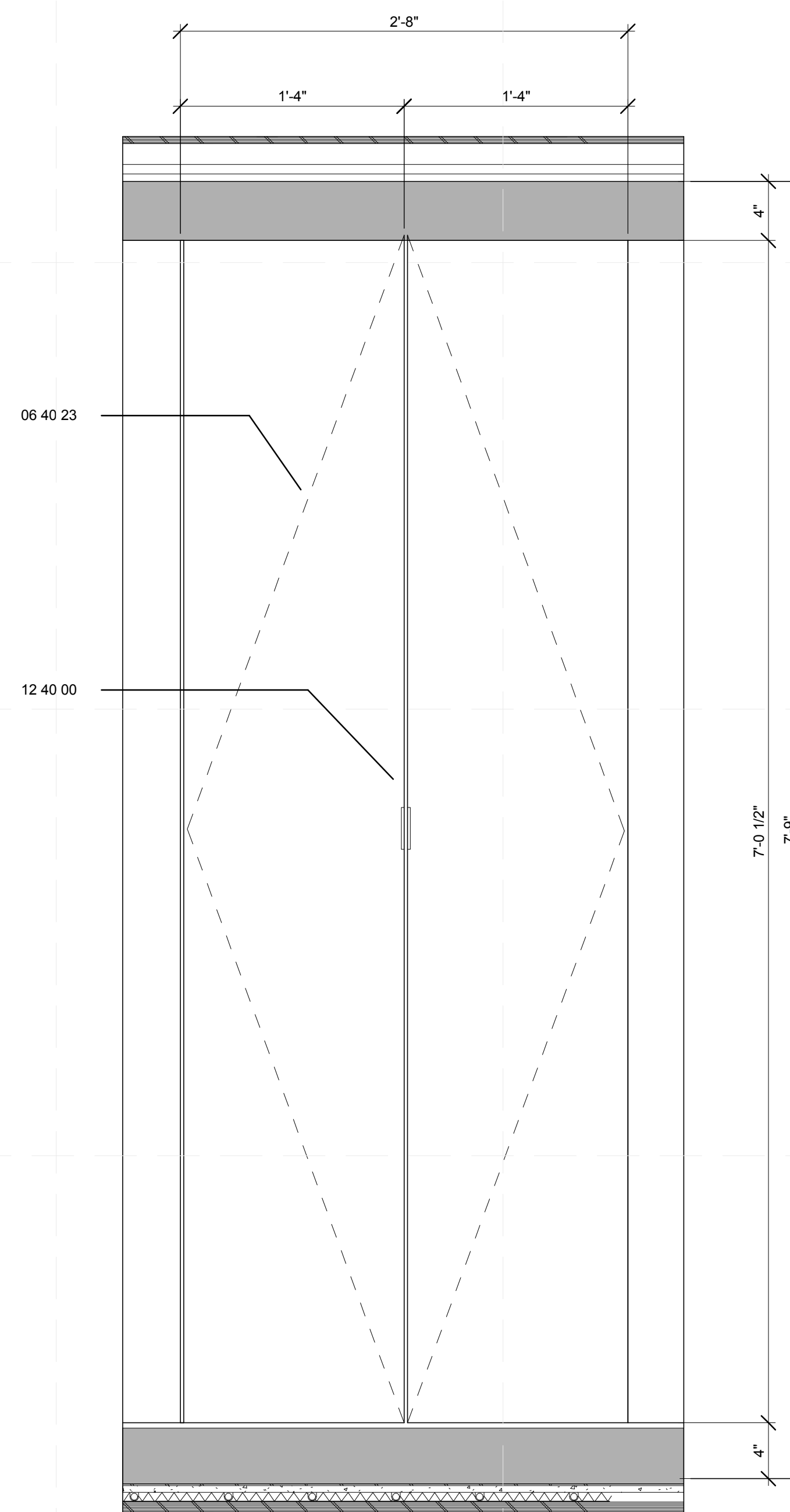
SCALE: 1 1/2"=1'

PLAN #:

I-512.01

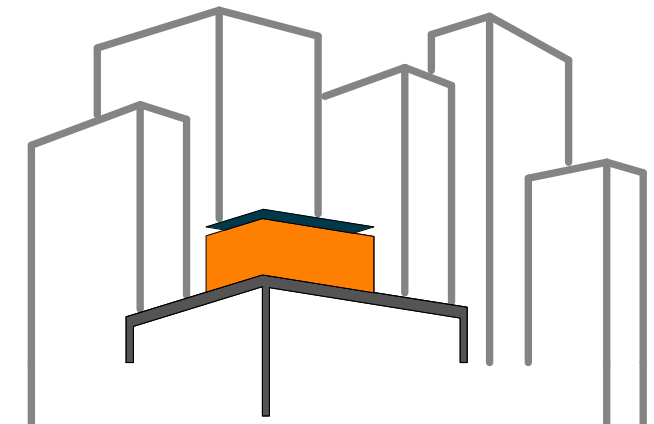
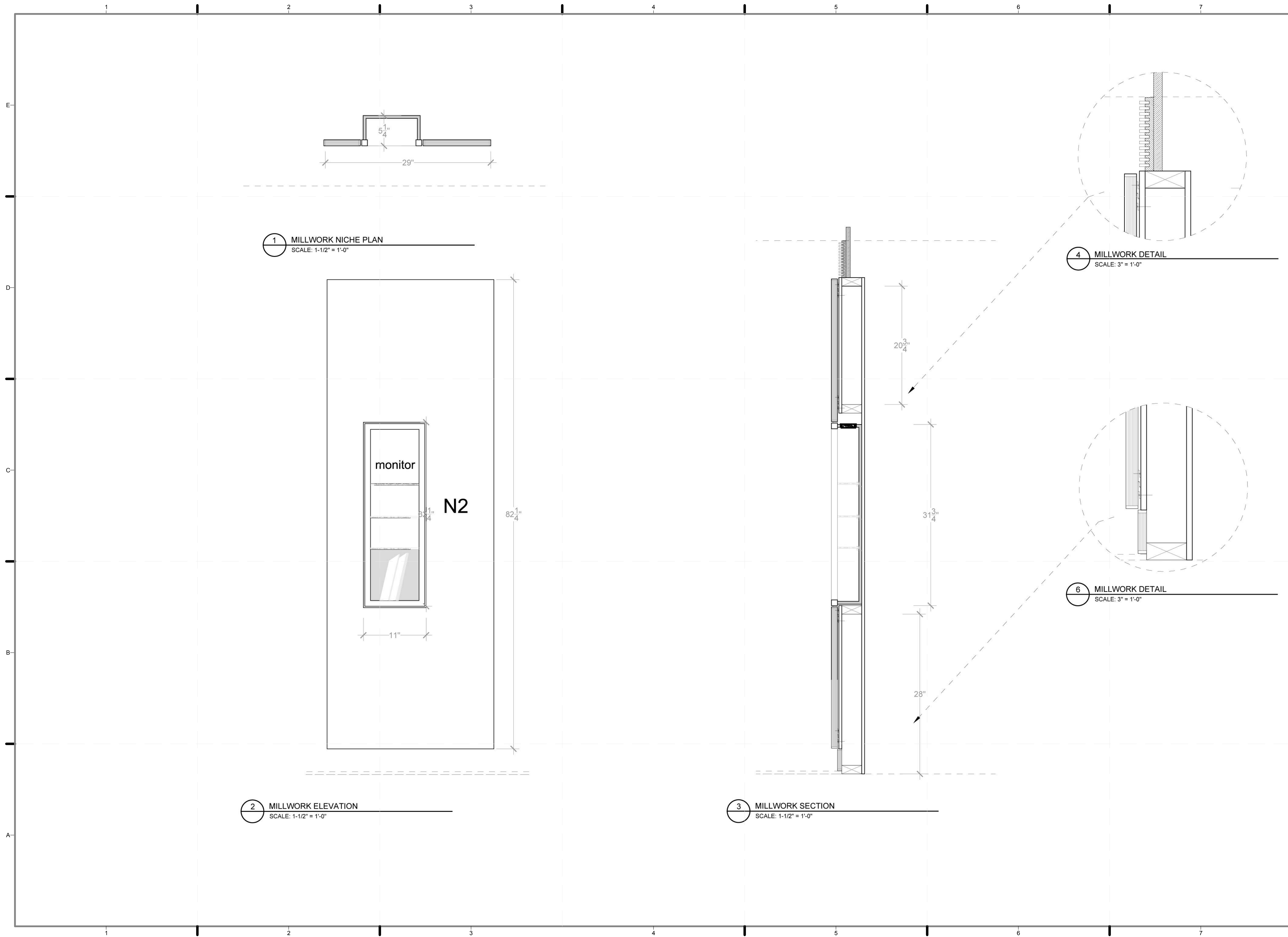


B2 DETAIL - ENTRY COAT CLOSET
1 1/2" = 1'-0"



B5 ELEVATION - ENTRY COAT CLOSET
1 1/2" = 1'-0"





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 REVISED ELEVATIONS AND CONNECTIONS

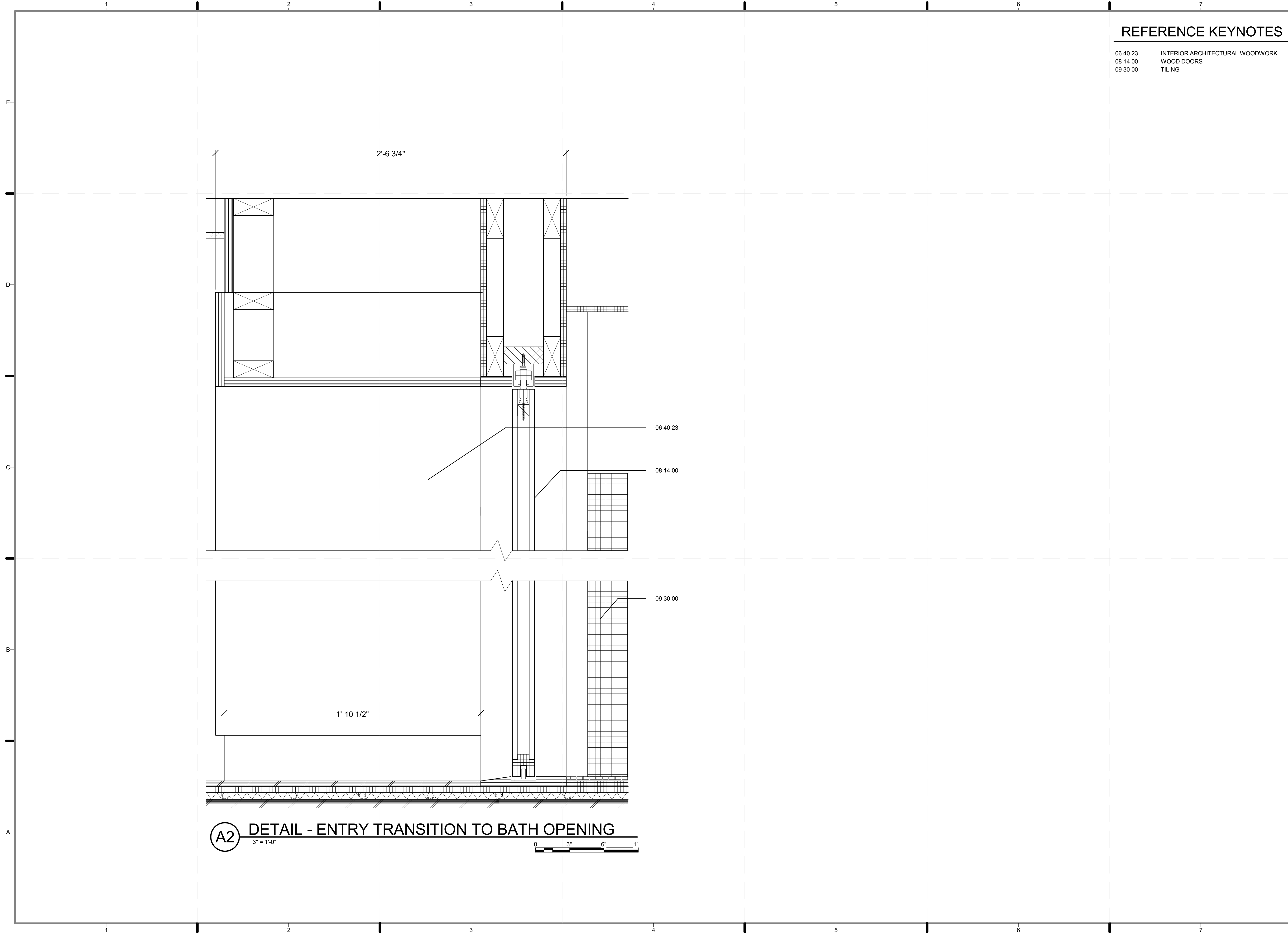
LOT NUMBER: 403
DRAWN BY: **TEICHA VILLEGAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:42:41 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- ENTRY, NICHE

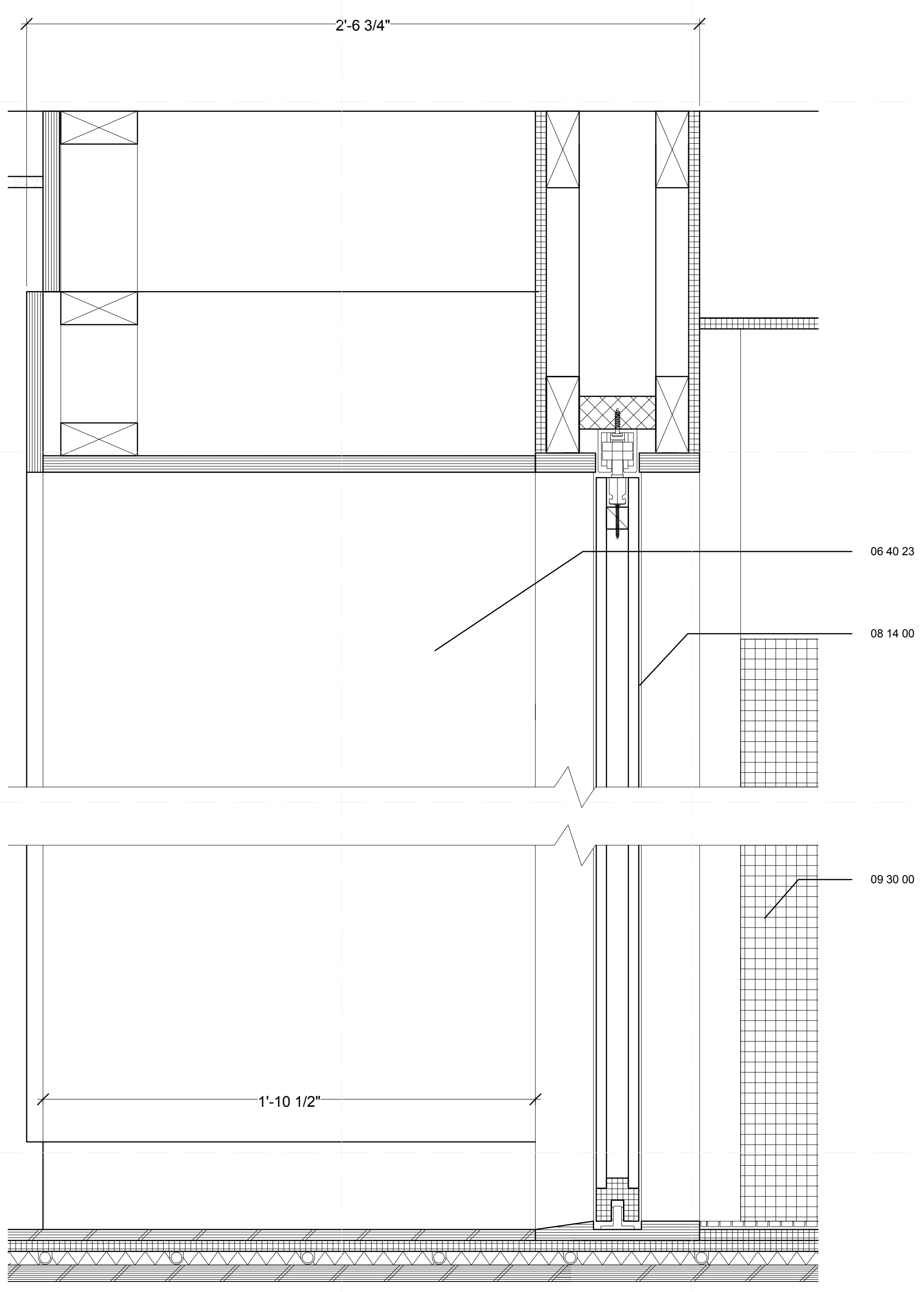
SCALE: **AS INDICATED**
PLAN #:

I-513.02

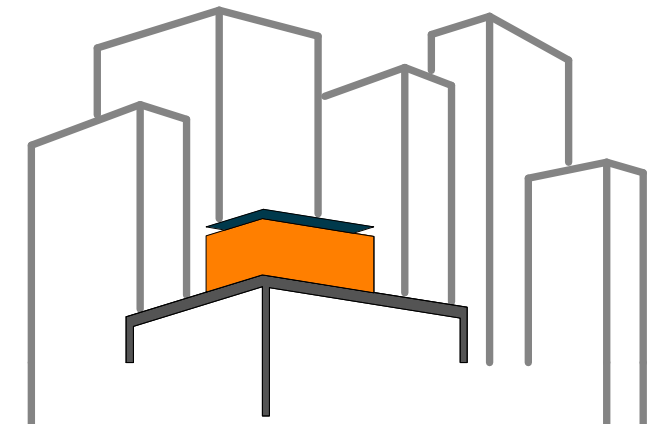


REFERENCE KEYNOTES

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
 08 14 00 WOOD DOORS
 09 30 00 TILING



A2 DETAIL - ENTRY TRANSITION TO BATH OPENING
 3" = 1'-0"



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnyd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
 DRAWN BY: GEORGE FAHIM
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:42:44 PM

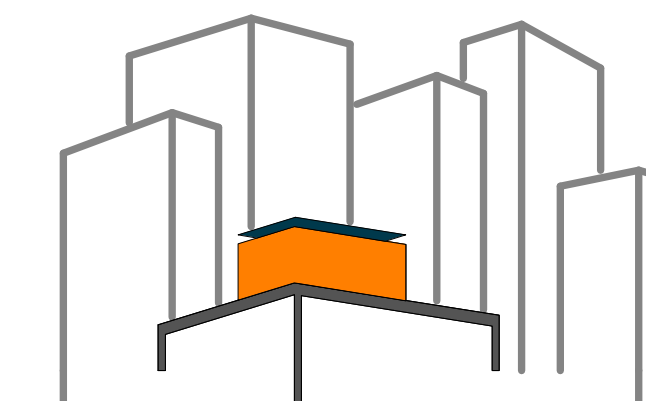
2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 ENTRY TRANSITION
 TO BATH OPENING

SCALE: 3" = 1'-0"

PLAN #:

I-514.01



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

cnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

2 8/8/2011 REVISED ELECATIONS
AND CONNECTIONS

LOT NUMBER: 403

DRAWN BY: YINERY BAEZ

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:42:49 PM

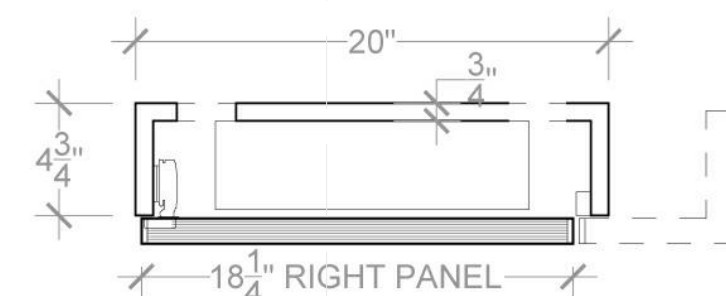
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- LIVING
ROOM, ELECTRICAL
CLOSET

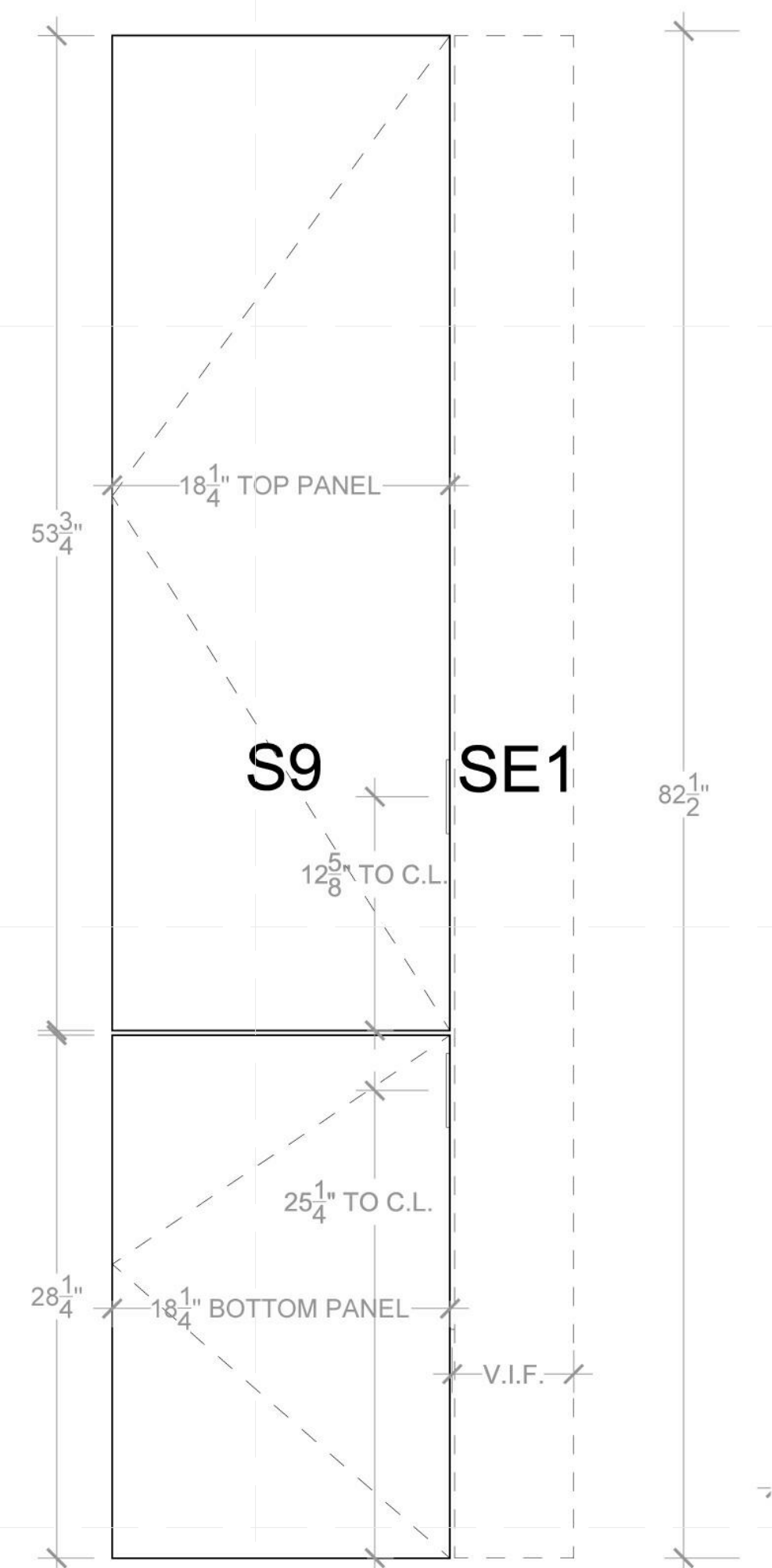
SCALE: AS INDICATED

PLAN #:

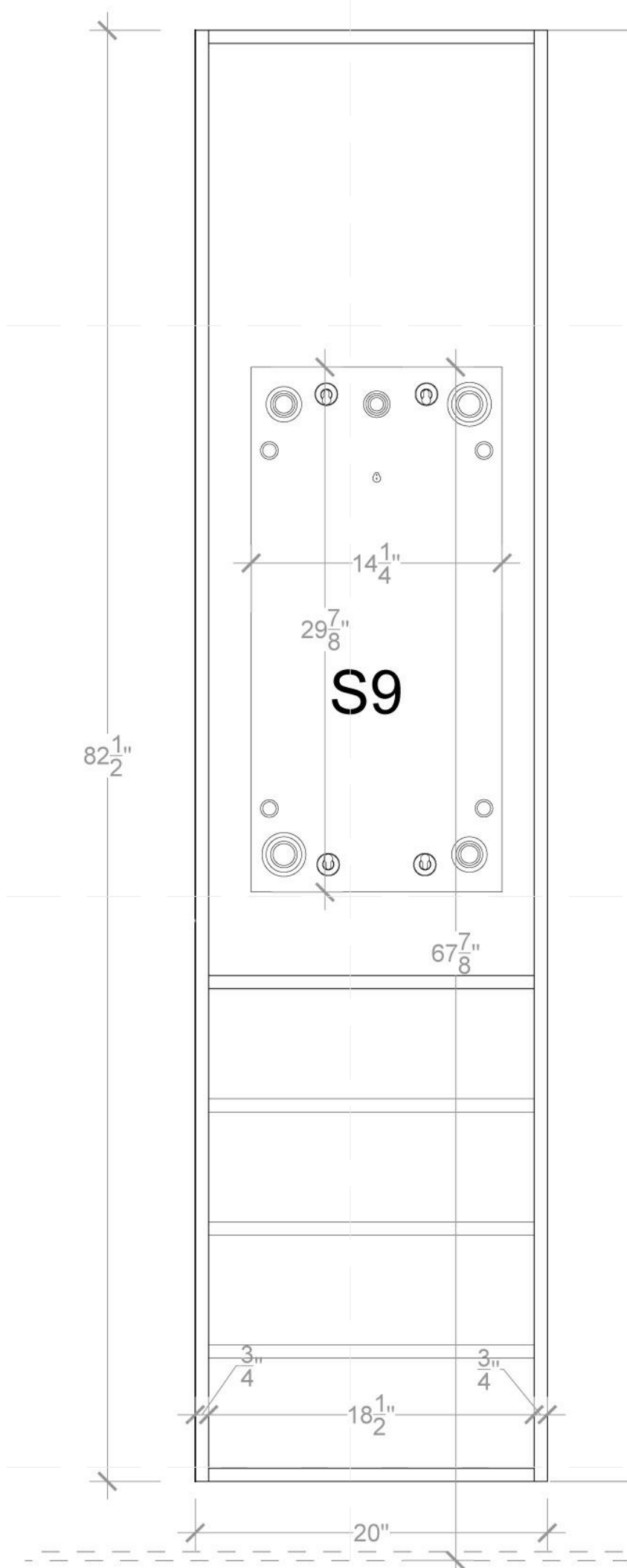
I-521.02



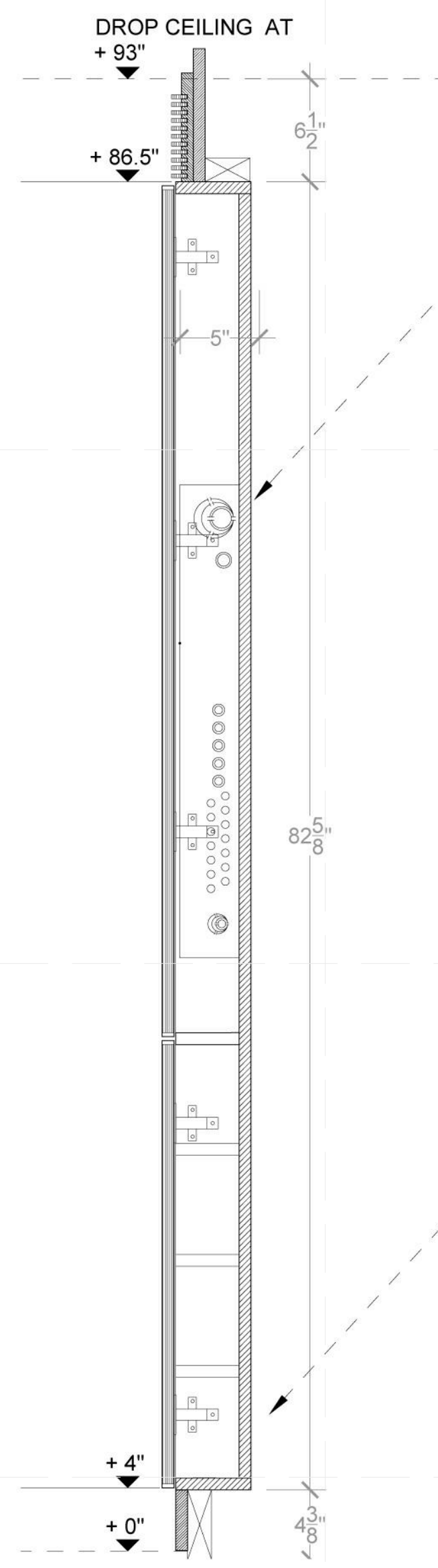
1 MILLWORK ELECTRICAL CLOSET PLAN
SCALE: 1-1/2" = 1'-0"



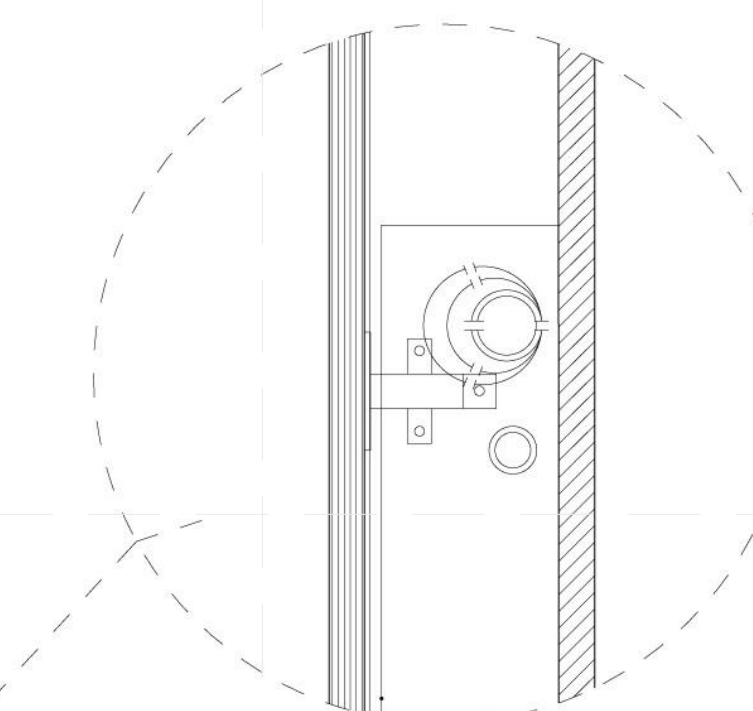
2 MILLWORK ELEVATION
SCALE: 1-1/2" = 1'-0"



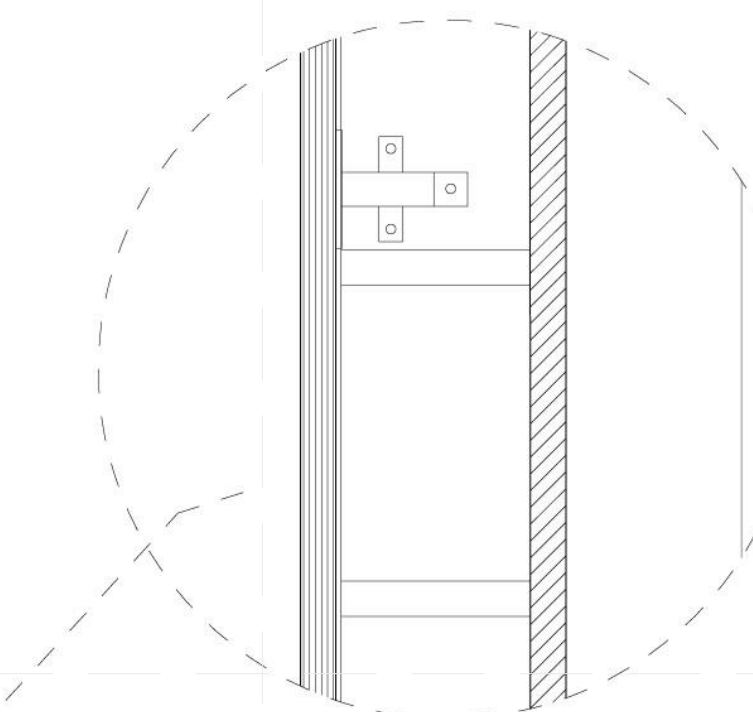
3 MILLWORK OPEN ELEVATION
SCALE: 1-1/2" = 1'-0"



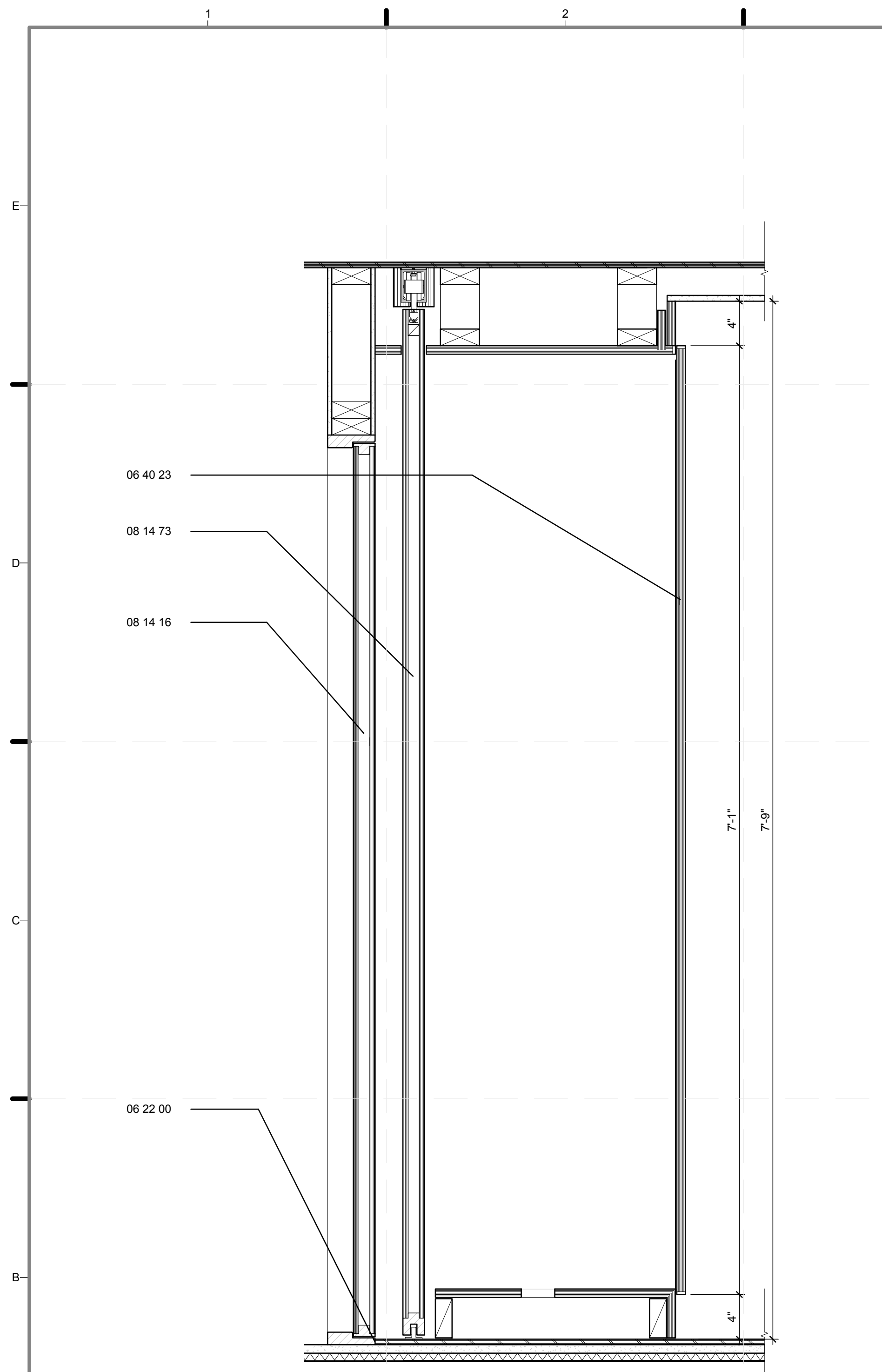
4 MILLWORK SECTION
SCALE: 1-1/2" = 1'-0"



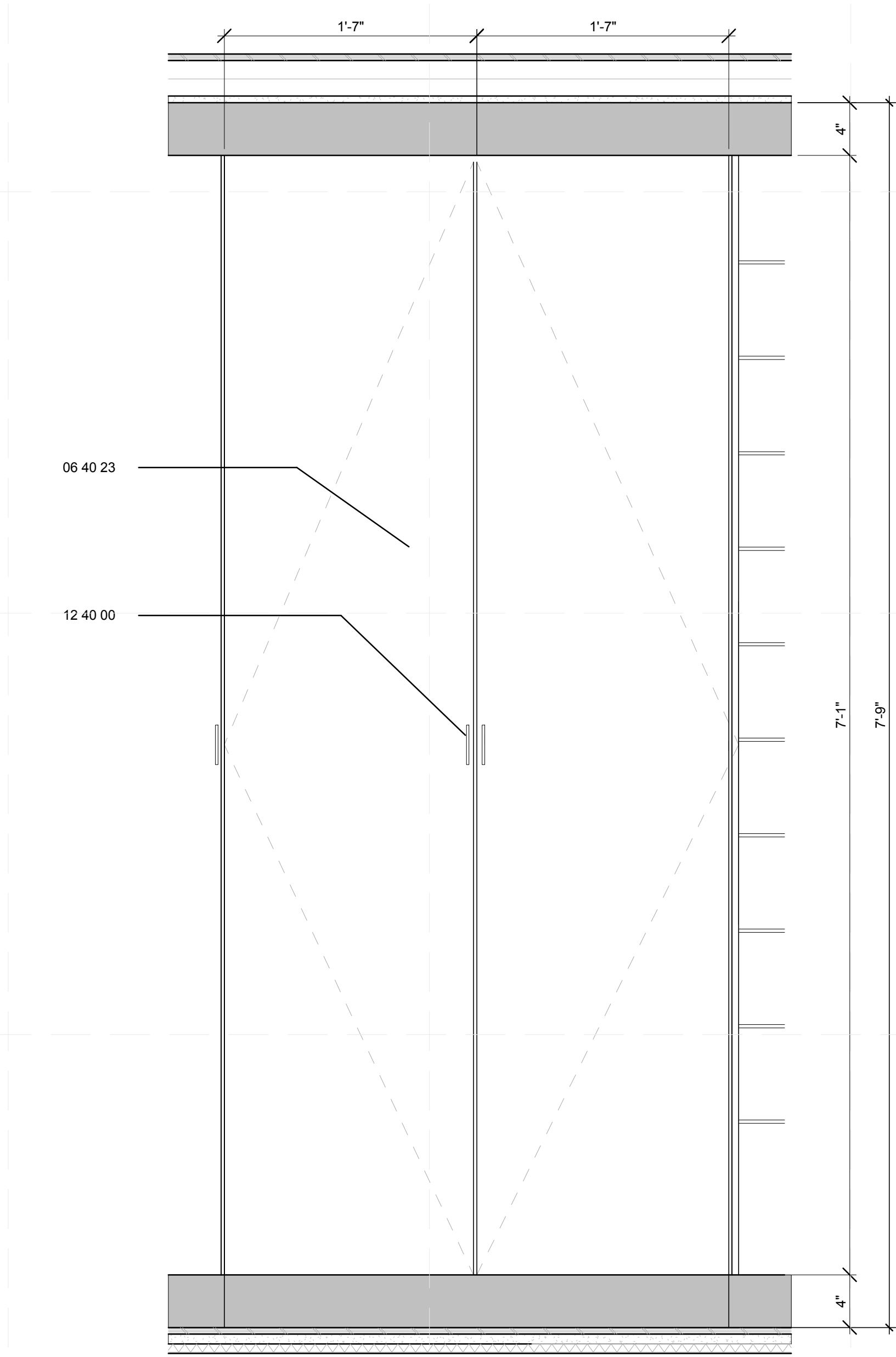
5 MILLWORK DETAIL
SCALE: 3" = 1'-0"



6 MILLWORK DETAIL
SCALE: 3" = 1'-0"



B2 DETAIL - LIVING ROOM ACCESS TO MECH. ROOM
 1 1/2" = 1'-0"
 0 1/2" 1" 1 1/2"



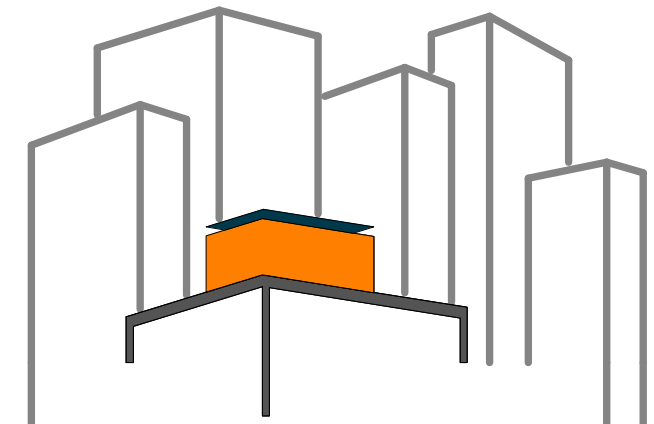
B4 ELEVATION - LIVING ROOM ACCESS TO MECH. CLOSET
 1 1/2" = 1'-0"
 0 1/2" 1" 1 1/2"

GENERAL SHEET NOTES

1. 1/4" REVEAL AT JOINT LINES, TYPICAL

REFERENCE KEYNOTES

- | | |
|----------|---------------------------------|
| 06 22 00 | MILLWORK |
| 06 40 23 | INTERIOR ARCHITECTURAL WOODWORK |
| 08 14 16 | FLUSH WOOD DOORS |
| 08 14 73 | SLIDING WOOD DOORS |
| 12 40 00 | FURNISHINGS AND ACCESSORIES |



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
 ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: YINERY BAEZ

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:42:52 PM

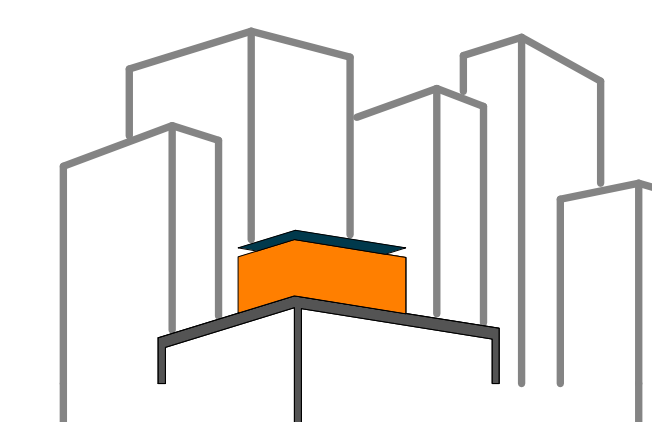
2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 DETAIL- LIVING
 ROOM, ACCESS TO
 MECH. ROOM

SCALE: 1 1/2"=1'

PLAN #:

I-522.01



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 REVISED ELEVATIONS
AND CONNECTIONS

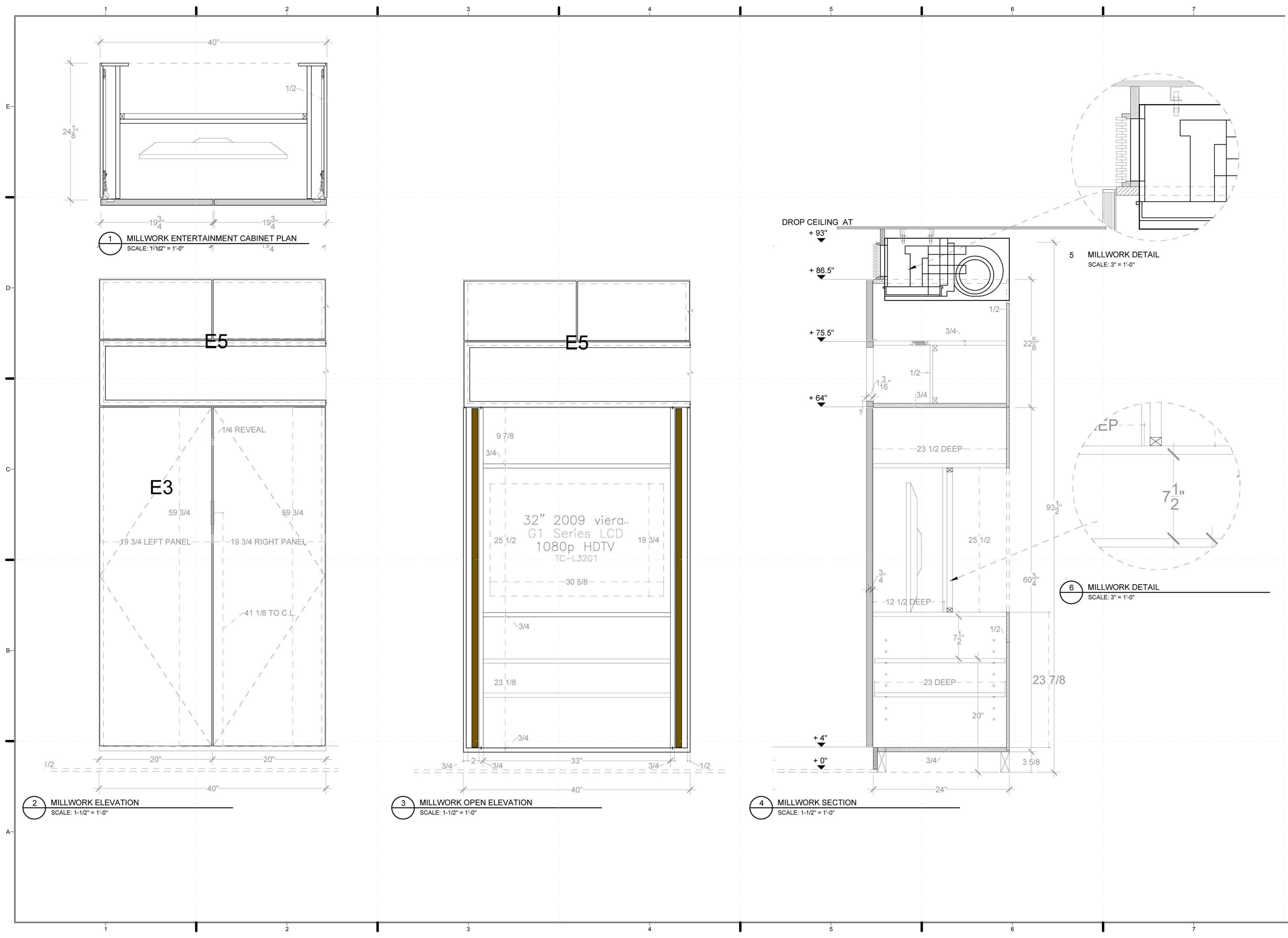
LOT NUMBER: 403
DRAWN BY: YINERY BAEZ
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:42:55 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- LIVING
ROOM, TV CABINET

SCALE: AS INDICATED
PLAN #:

I-523.02



1 MILLWORK ENTERTAINMENT CABINET PLAN
SCALE: 1-1/2" = 1'-0"

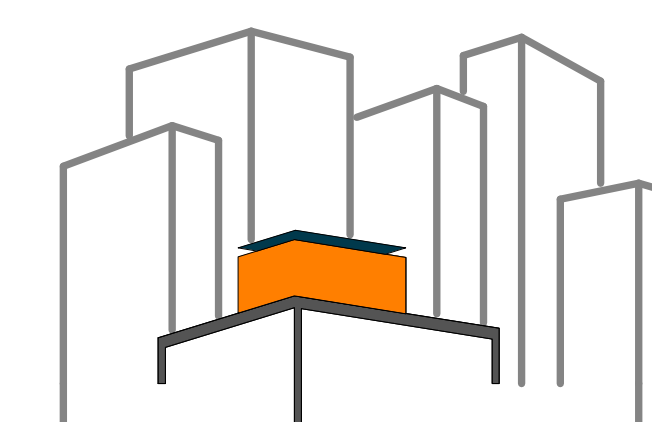
2 MILLWORK ELEVATION
SCALE: 1-1/2" = 1'-0"

3 MILLWORK OPEN ELEVATION
SCALE: 1-1/2" = 1'-0"

4 MILLWORK SECTION
SCALE: 1-1/2" = 1'-0"

5 MILLWORK DETAIL
SCALE: 3" = 1'-0"

6 MILLWORK DETAIL
SCALE: 3" = 1'-0"



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd1@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 REVISED ELEVATIONS AND CONNECTIONS

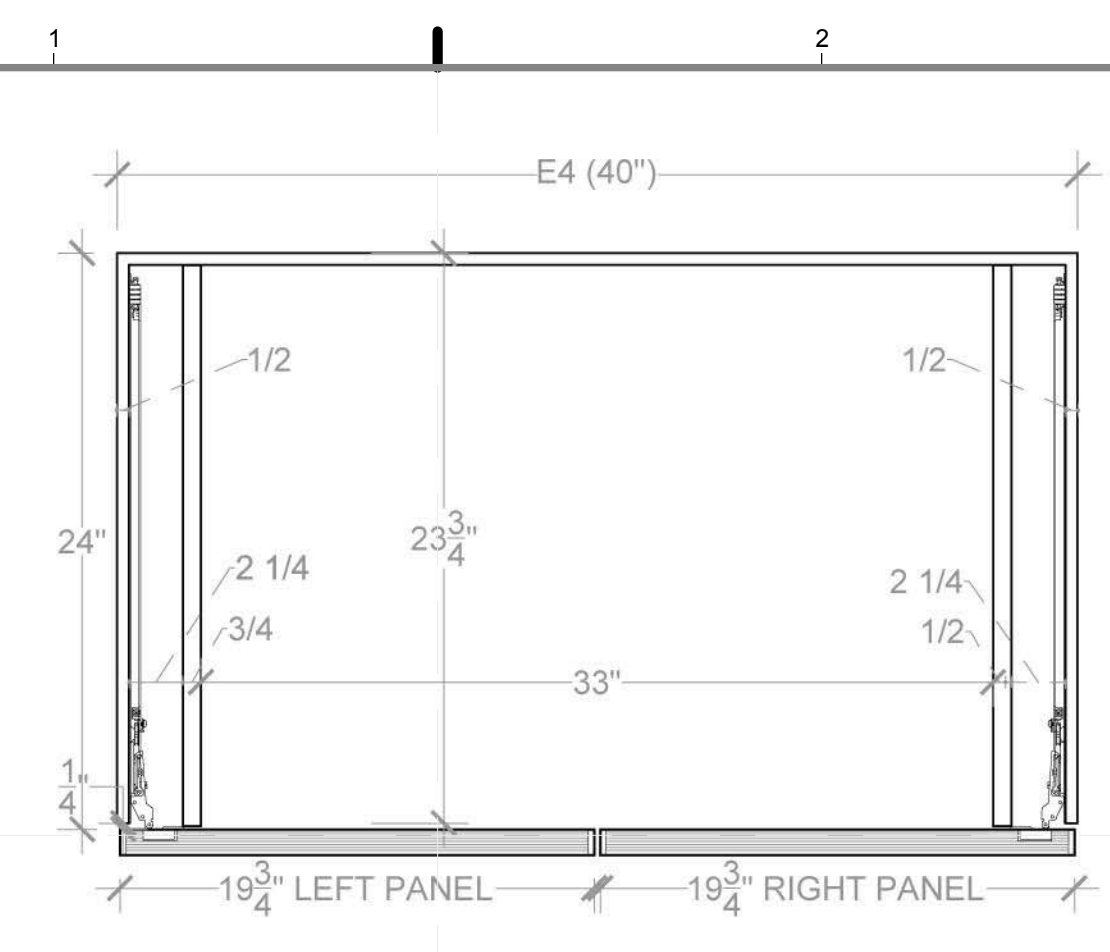
LOT NUMBER: 403
DRAWN BY: **YINERY BAEZ**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:42:59 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

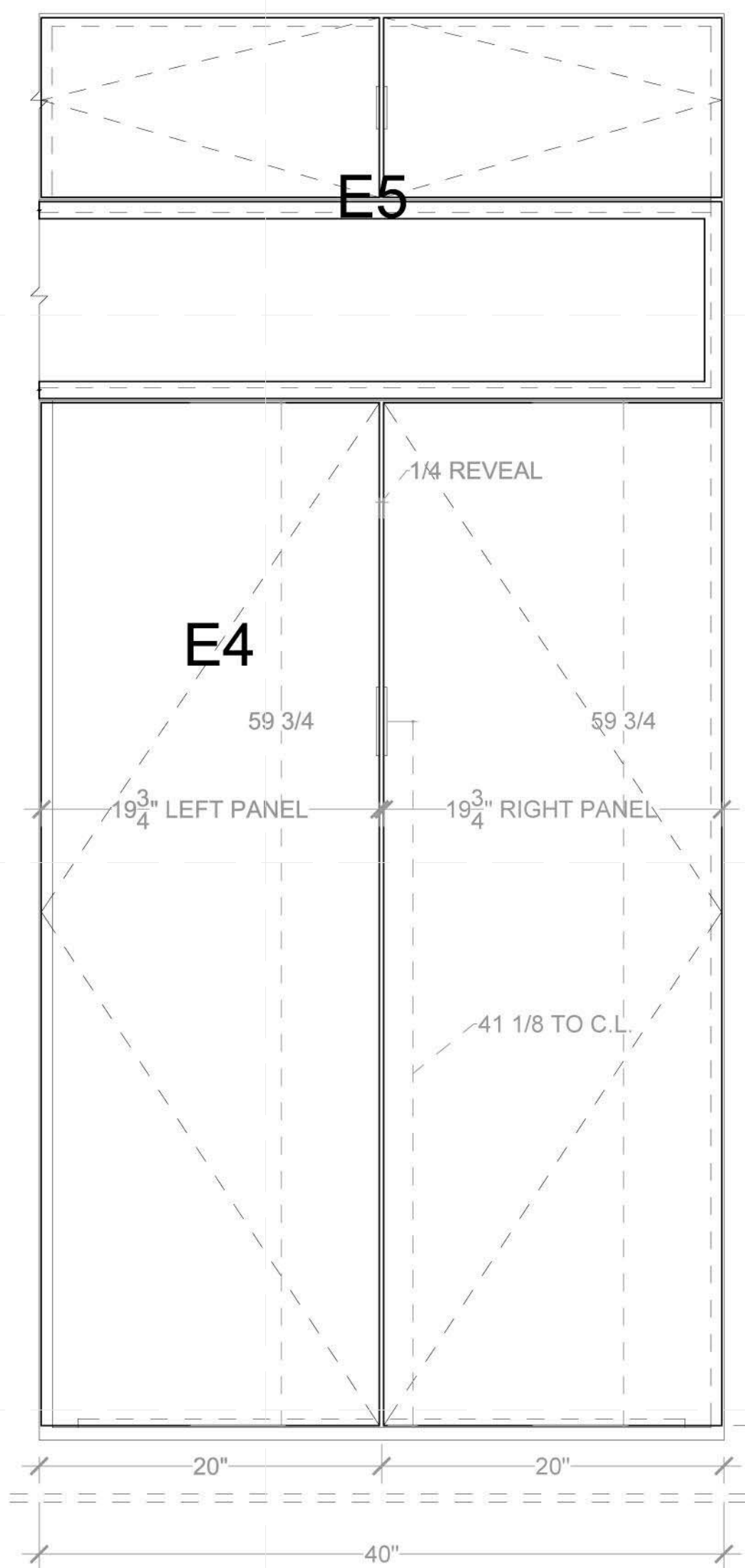
SHEET TITLE:
DETAIL- LIVING ROOM, HOME OFFICE CABINET

SCALE: **AS INDICATED**
PLAN #:

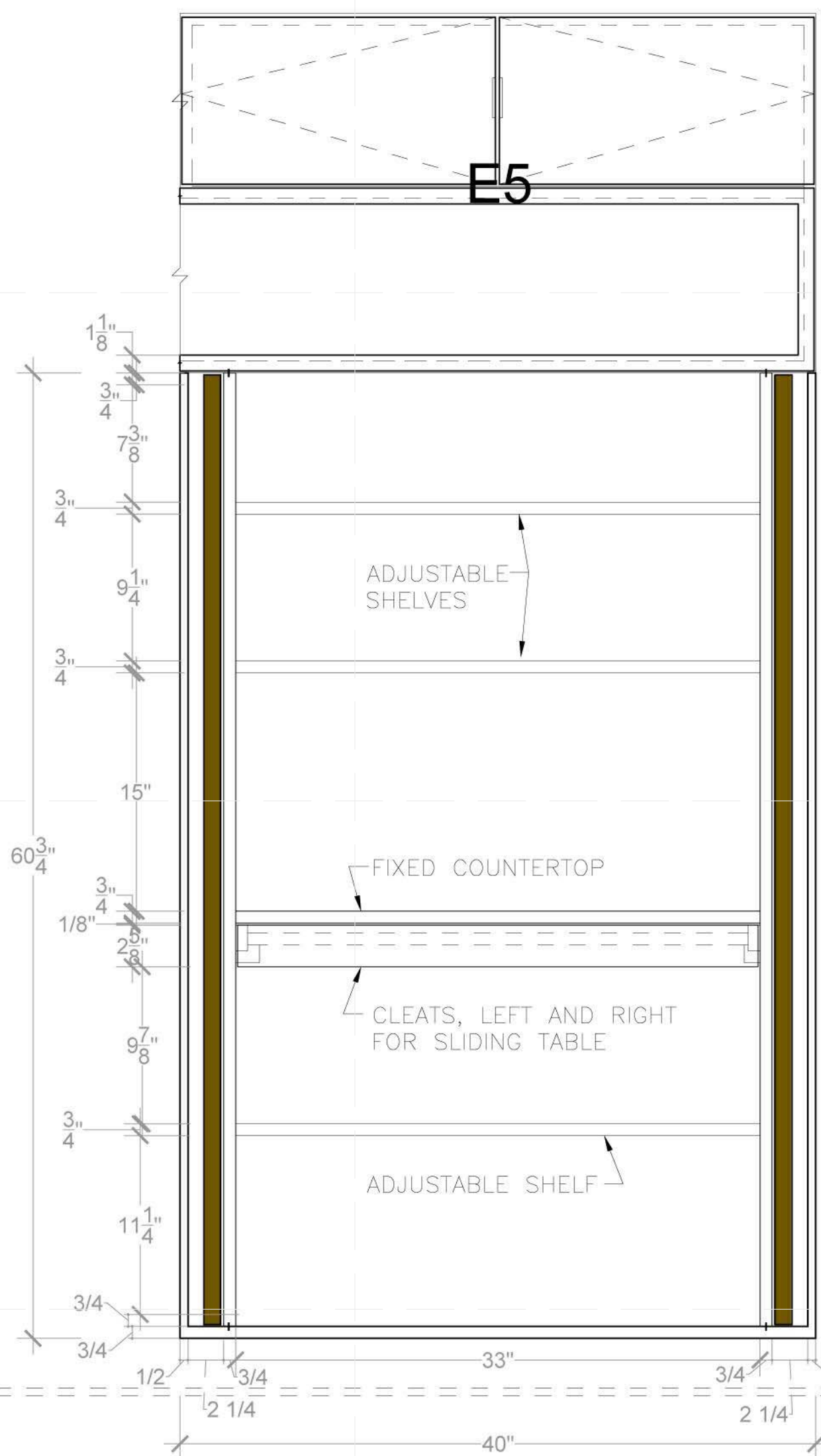
I-524.02



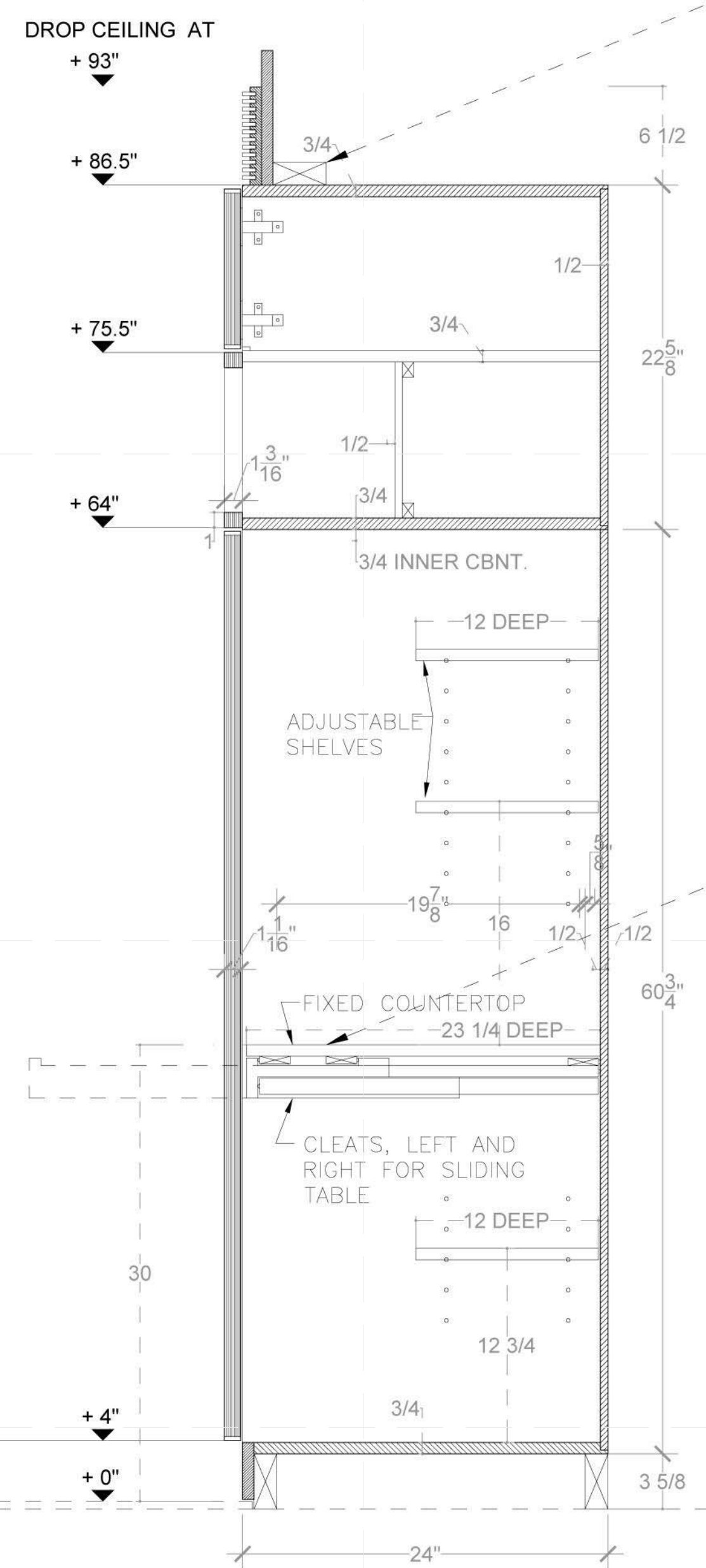
1 MILLWORK DESK PLAN
SCALE: 1-1/2" = 1'-0"



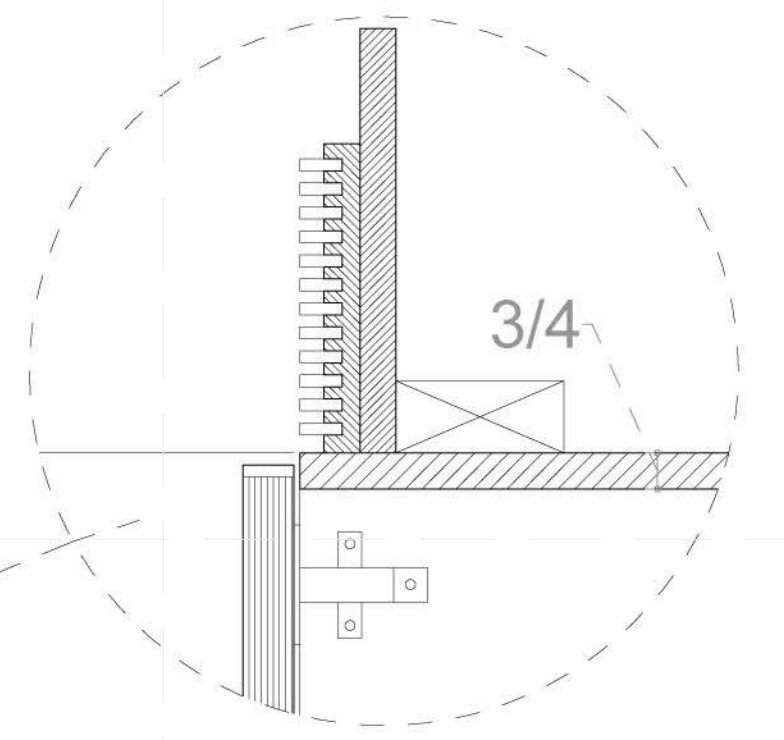
2 MILLWORK ELEVATION
SCALE: 1-1/2" = 1'-0"



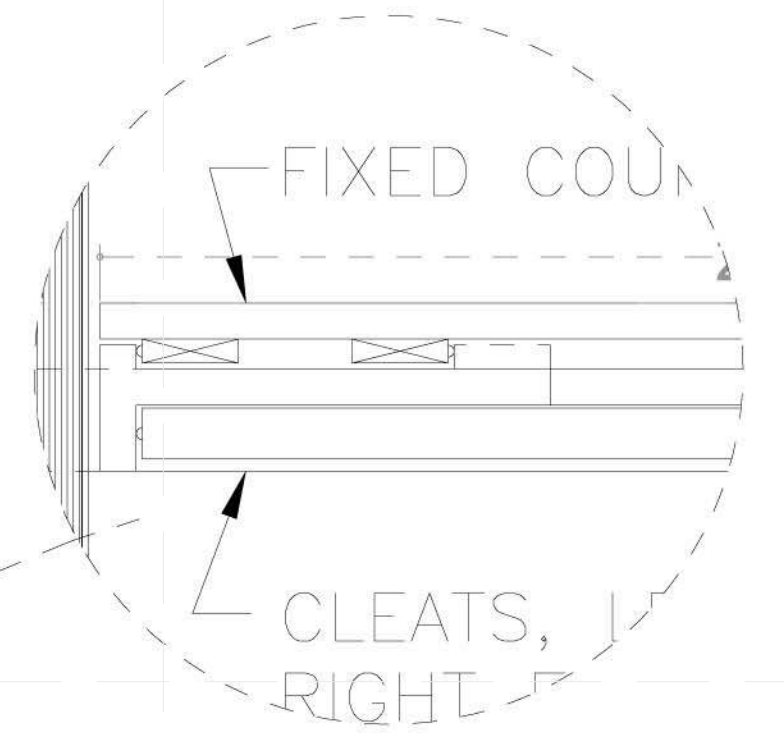
3 MILLWORK OPEN ELEVATION
SCALE: 1-1/2" = 1'-0"



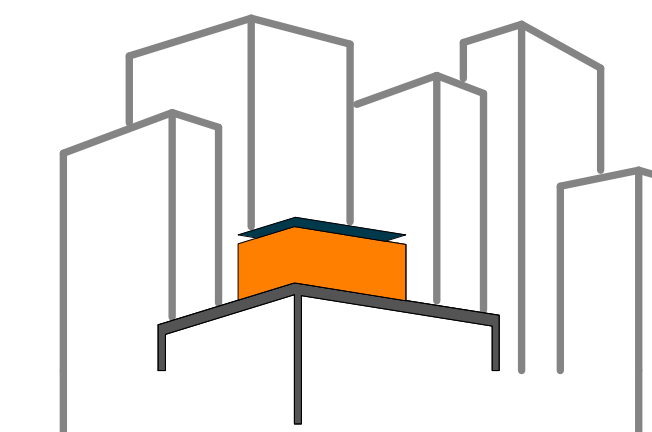
4 MILLWORK SECTION
SCALE: 1-1/2" = 1'-0"



5 MILLWORK DETAIL
SCALE: 3" = 1'-0"



6 MILLWORK DETAIL
SCALE: 3" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 REVISED ELEVATIONS
AND CONNECTIONS

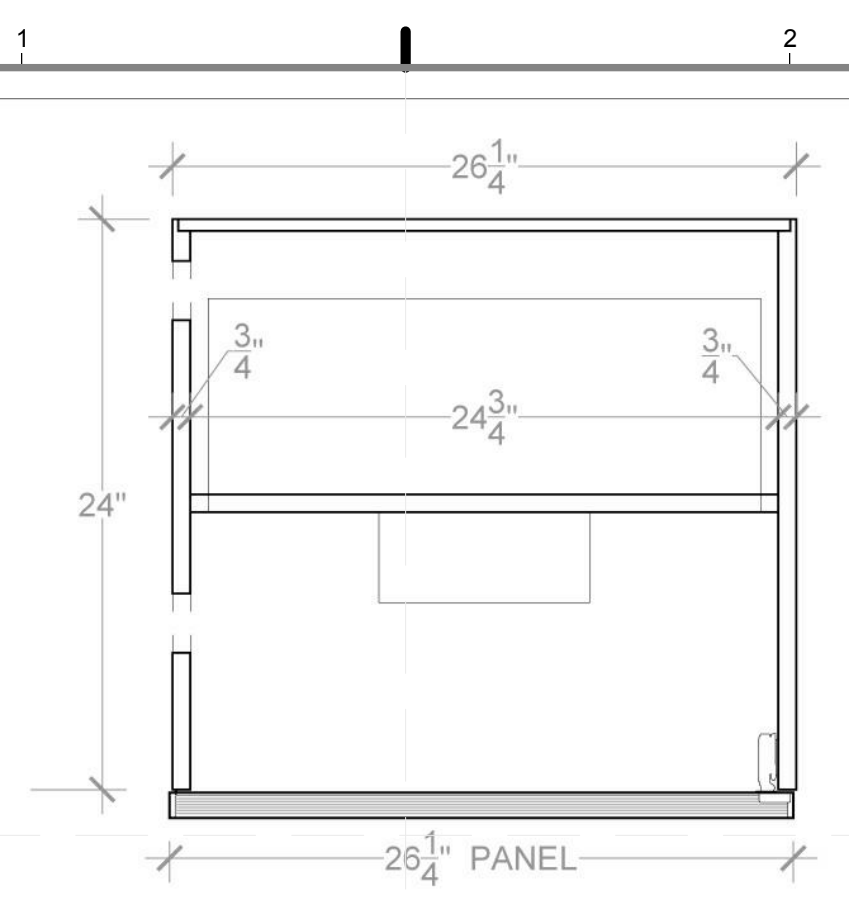
LOT NUMBER: 403
DRAWN BY: YINERY BAEZ
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:43:03 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

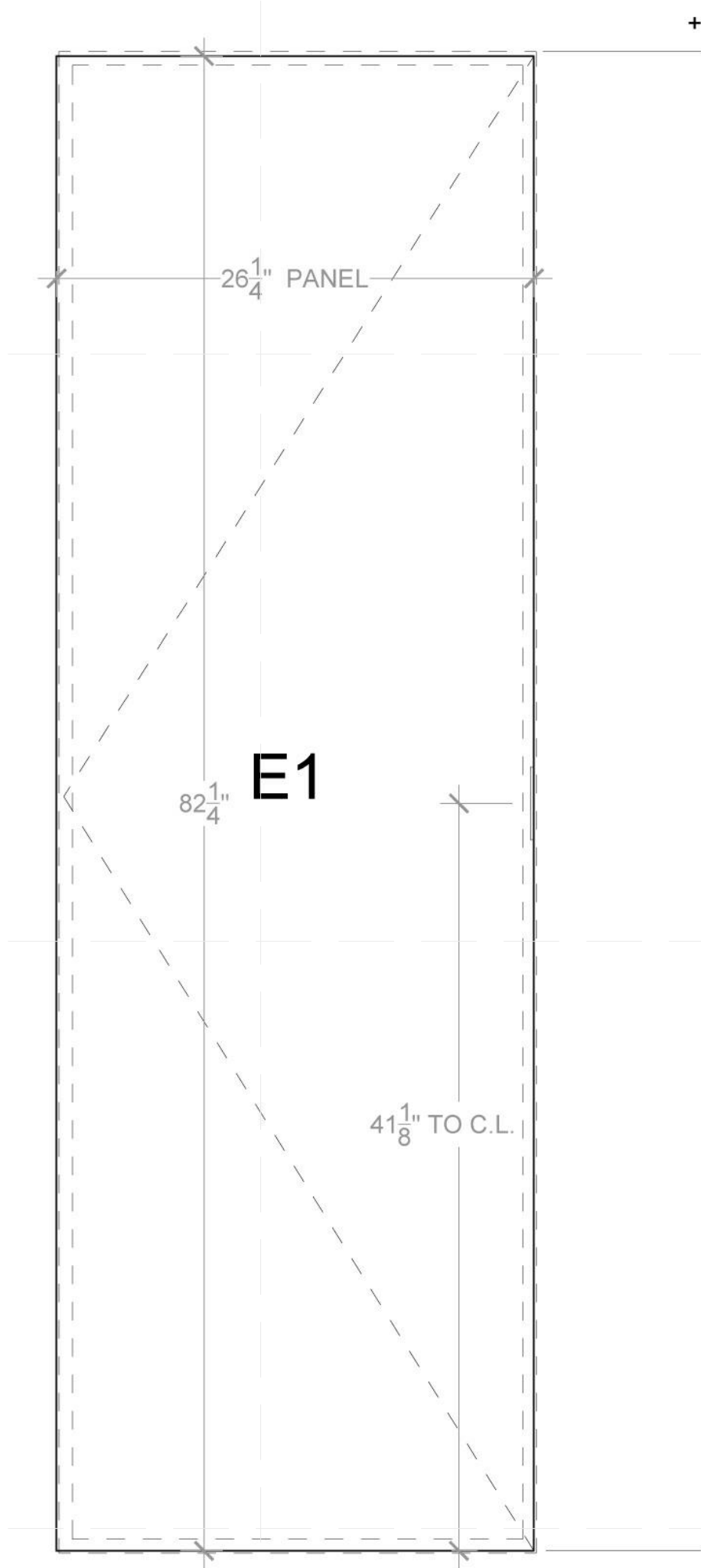
SHEET TITLE:
DETAIL - LIVING
ROOM, MONITORING
CLOSET

SCALE: AS INDICATED
PLAN #:

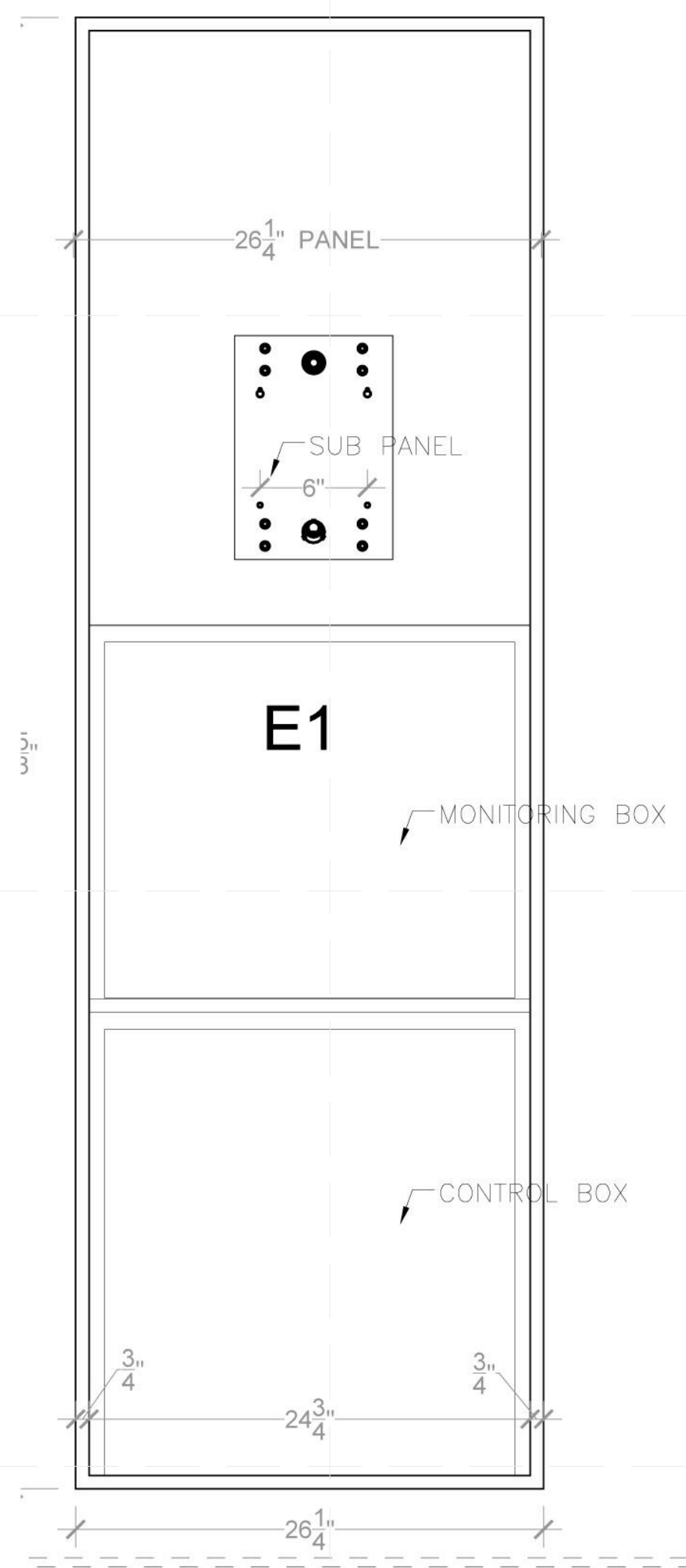
I-525.02



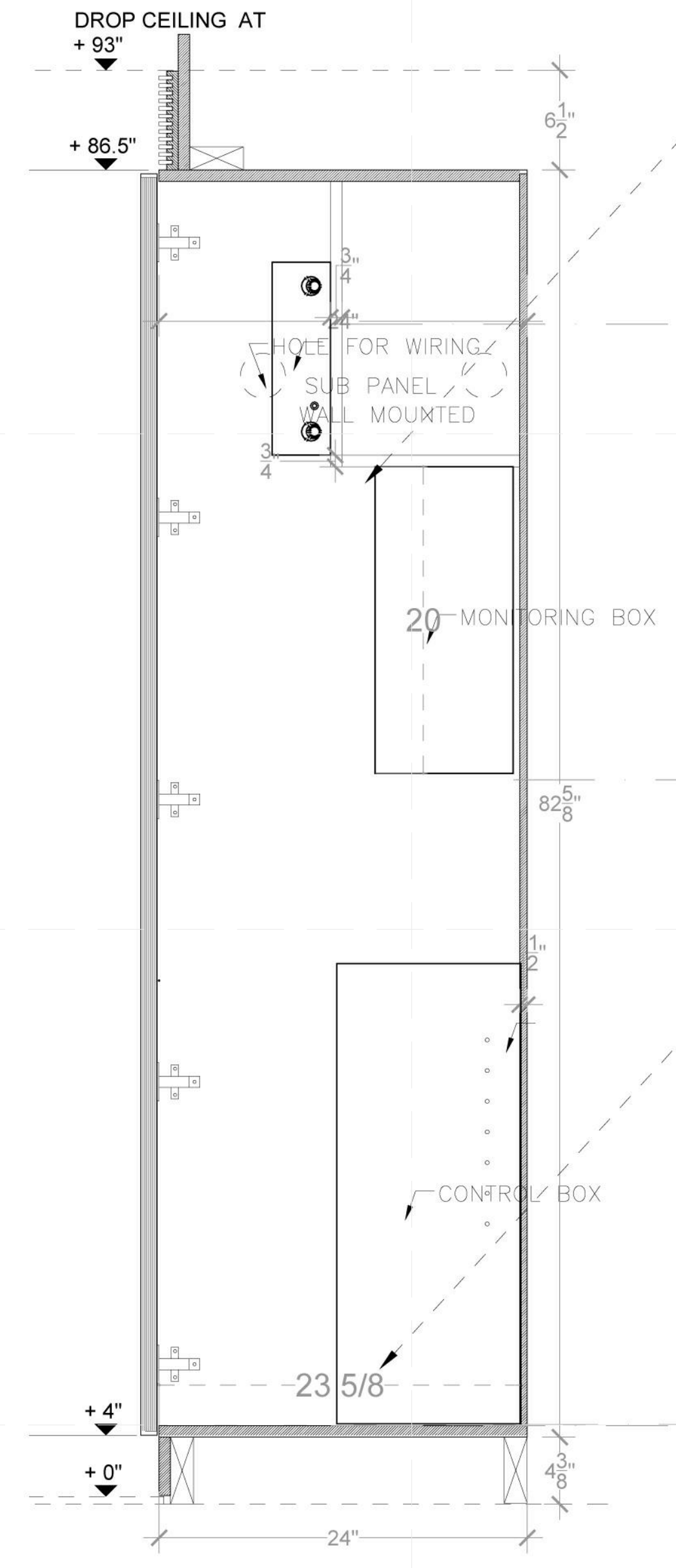
1 MILLWORK MONITORING CLOSET PLAN
SCALE: 1-1/2" = 1'-0"



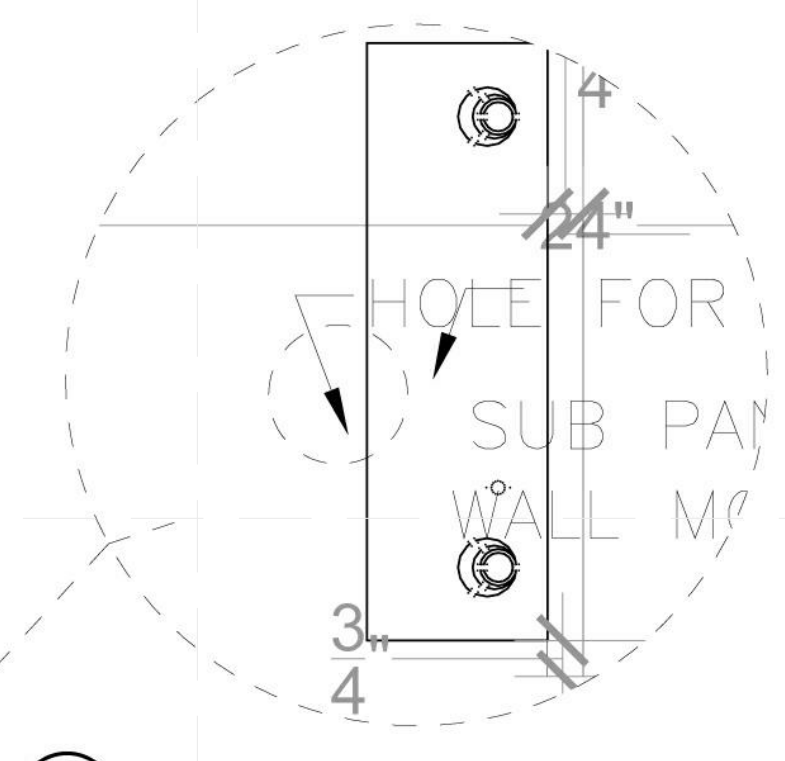
2 MILLWORK ELEVATION
SCALE: 1-1/2" = 1'-0"



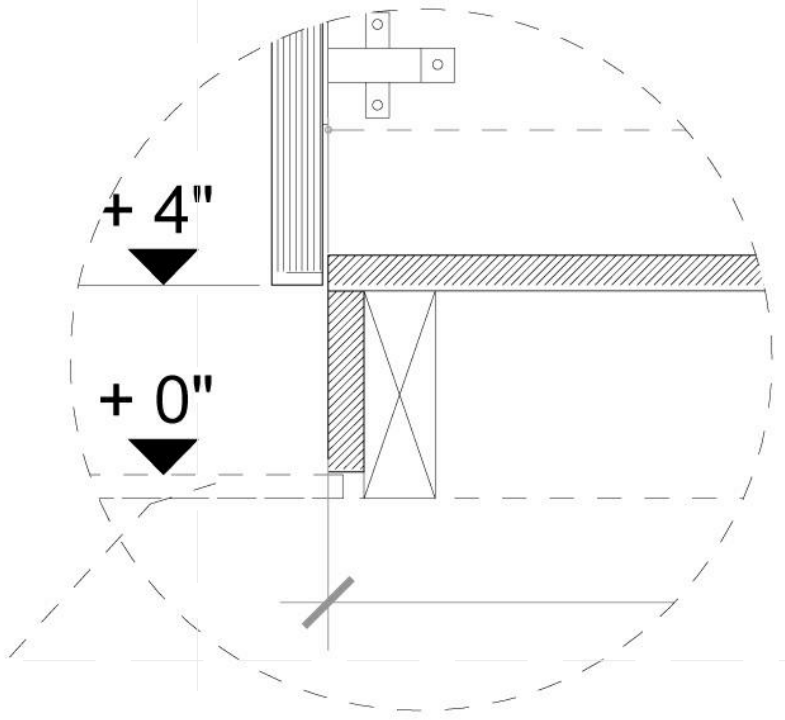
3 MILLWORK OPEN ELEVATION
SCALE: 1-1/2" = 1'-0"



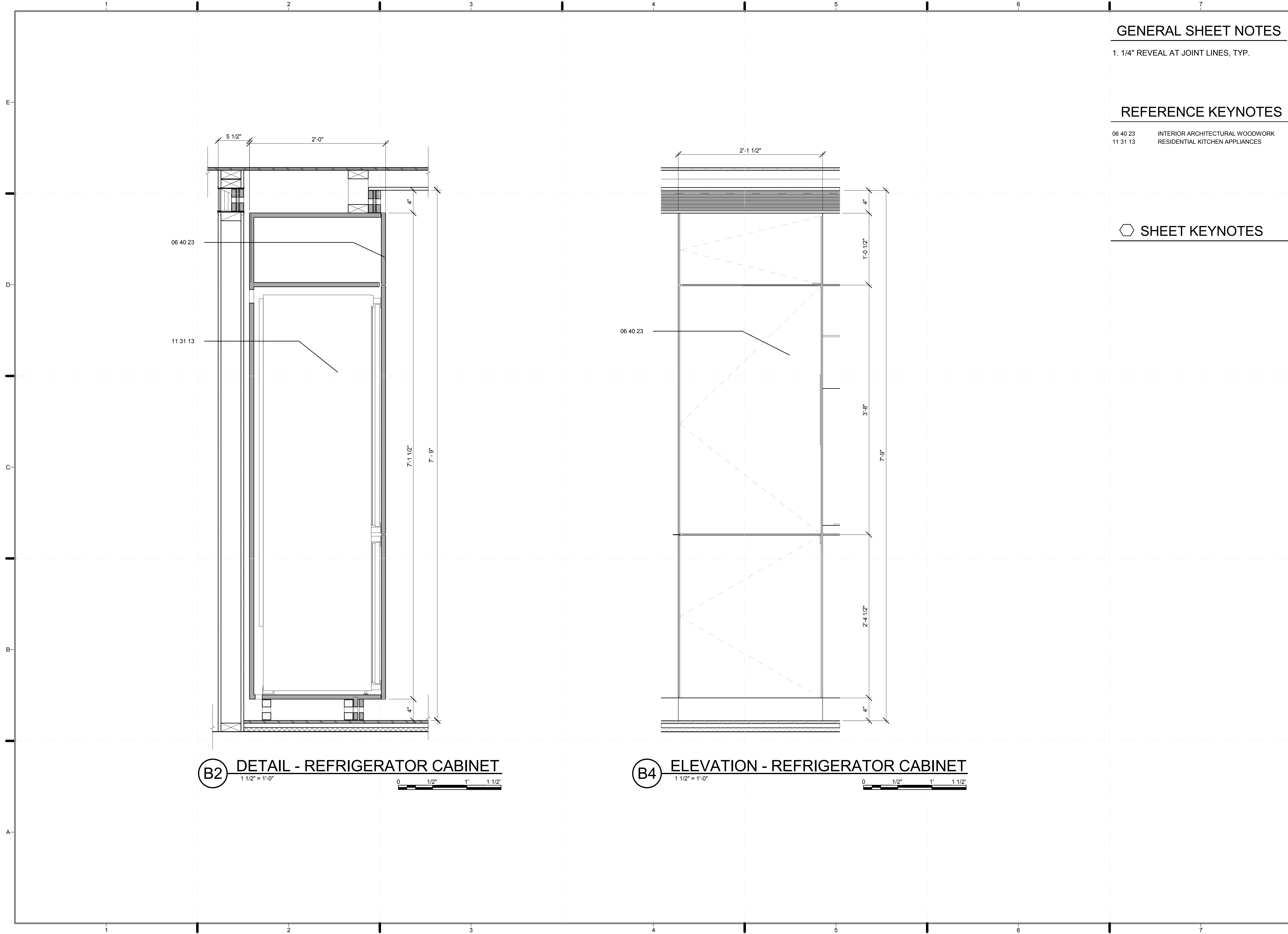
4 MILLWORK SECTION
SCALE: 1-1/2" = 1'-0"



5 MILLWORK DETAIL
SCALE: 3" = 1'-0"



6 MILLWORK DETAIL
SCALE: 3" = 1'-0"



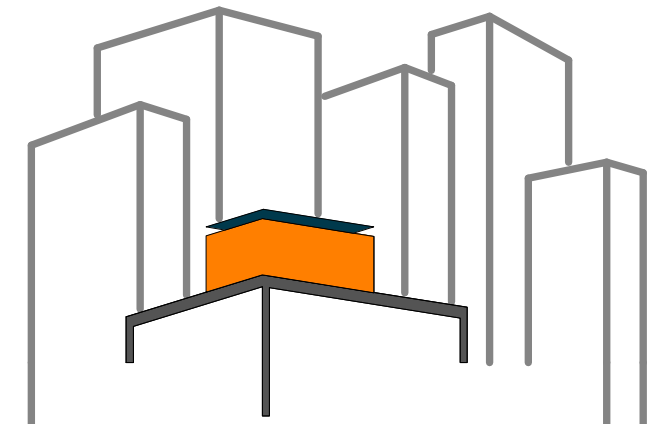
GENERAL SHEET NOTES

1. 1/4" REVEAL AT JOINT LINES, TYP.

REFERENCE KEYNOTES

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
 11 31 13 RESIDENTIAL KITCHEN APPLIANCES

SHEET KEYNOTES



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

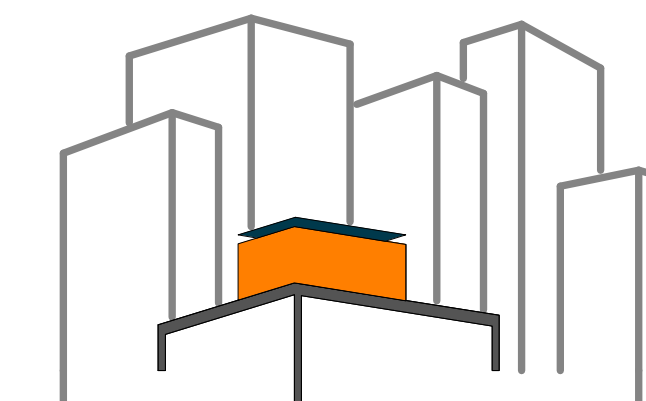
LOT NUMBER: 403
 DRAWN BY: ROSTYSLAV PECHENYY
 CHECKED BY: CHRISTIAN VOLKMANN
 DATE: 8/12/2011 10:43:08 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 DETAIL- KITCHEN,
 REFRIGERATOR
 CABINET

SCALE: 1 1/2"=1'
 PLAN #:

I-531.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

2 8/8/2011 REVISED ELEVATIONS
AND CONNECTIONS

LOT NUMBER: 403

DRAWN BY: ASHER SALZBERG

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:43:11 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

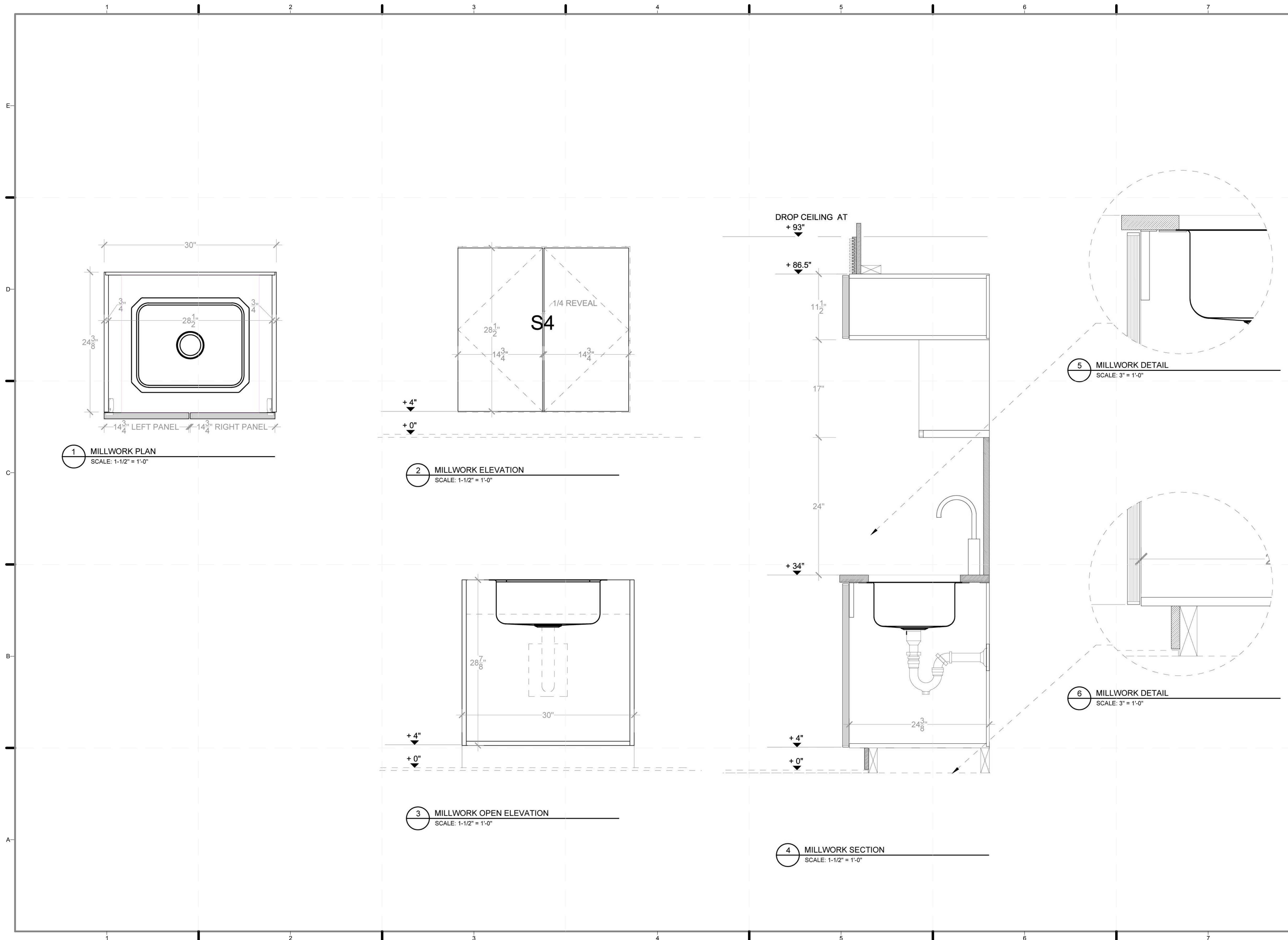
SHEET TITLE:

DETAIL- KITCHEN,
SINK CABINET

SCALE: 1 1/2"=1'

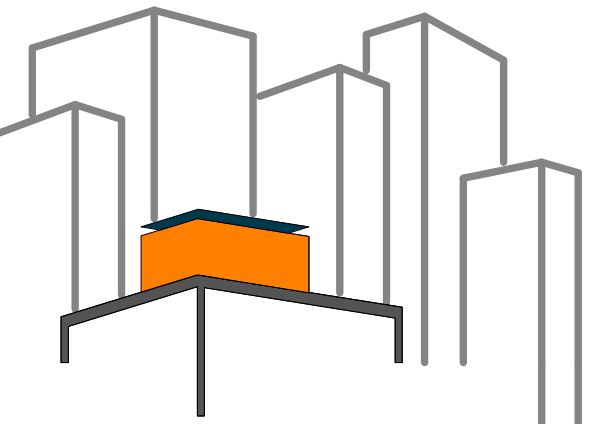
PLAN #:

I-532.02



REFERENCE KEYNOTES

09 74 13	WOOD WALL COVERINGS
11 26 00	UNIT KITCHENS
11 31 13	RESIDENTIAL KITCHEN APPLIANCES
12 40 00	FURNISHINGS AND ACCESSORIES



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: ASHER SALZBERG
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:43:15 PM

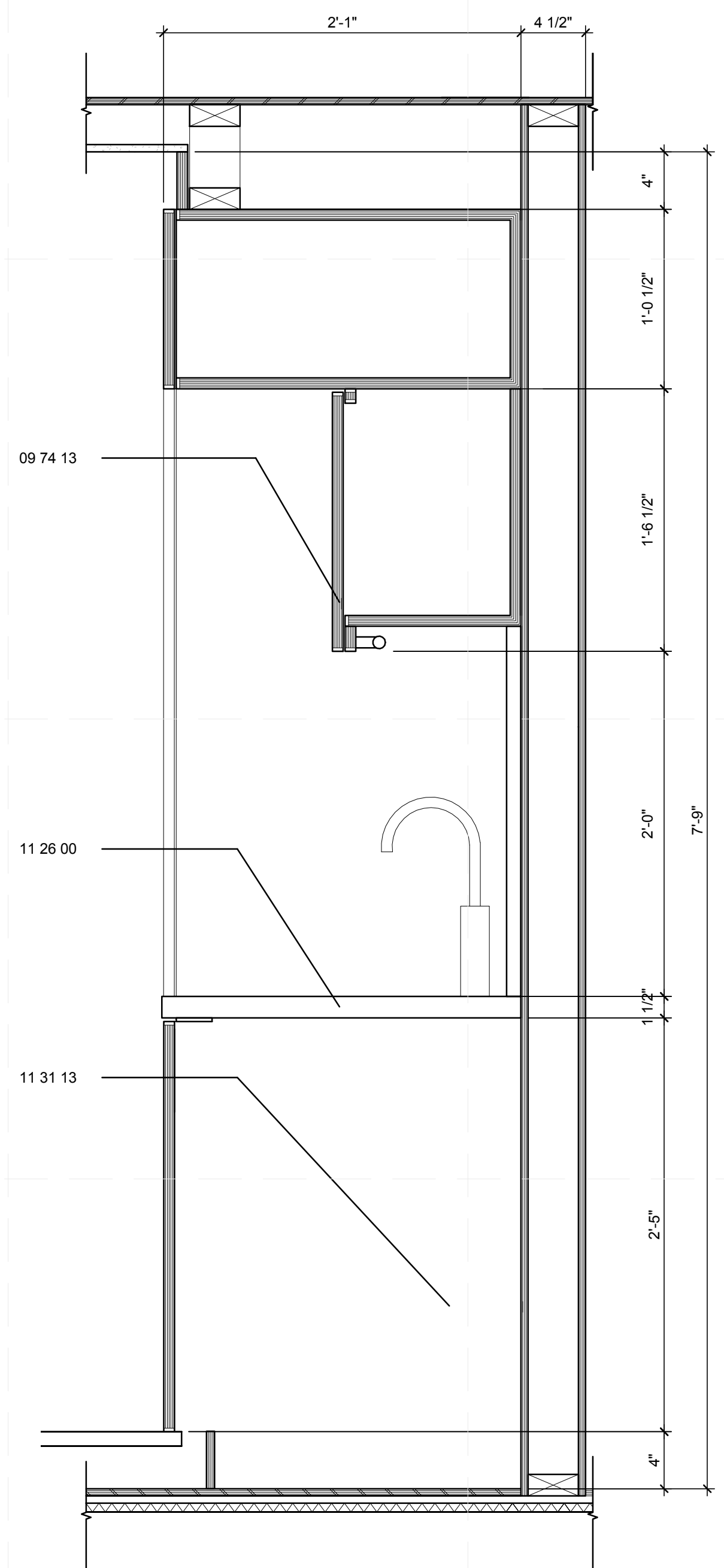
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- KITCHEN,
DISHWASHER

SCALE: 1 1/2"=1'

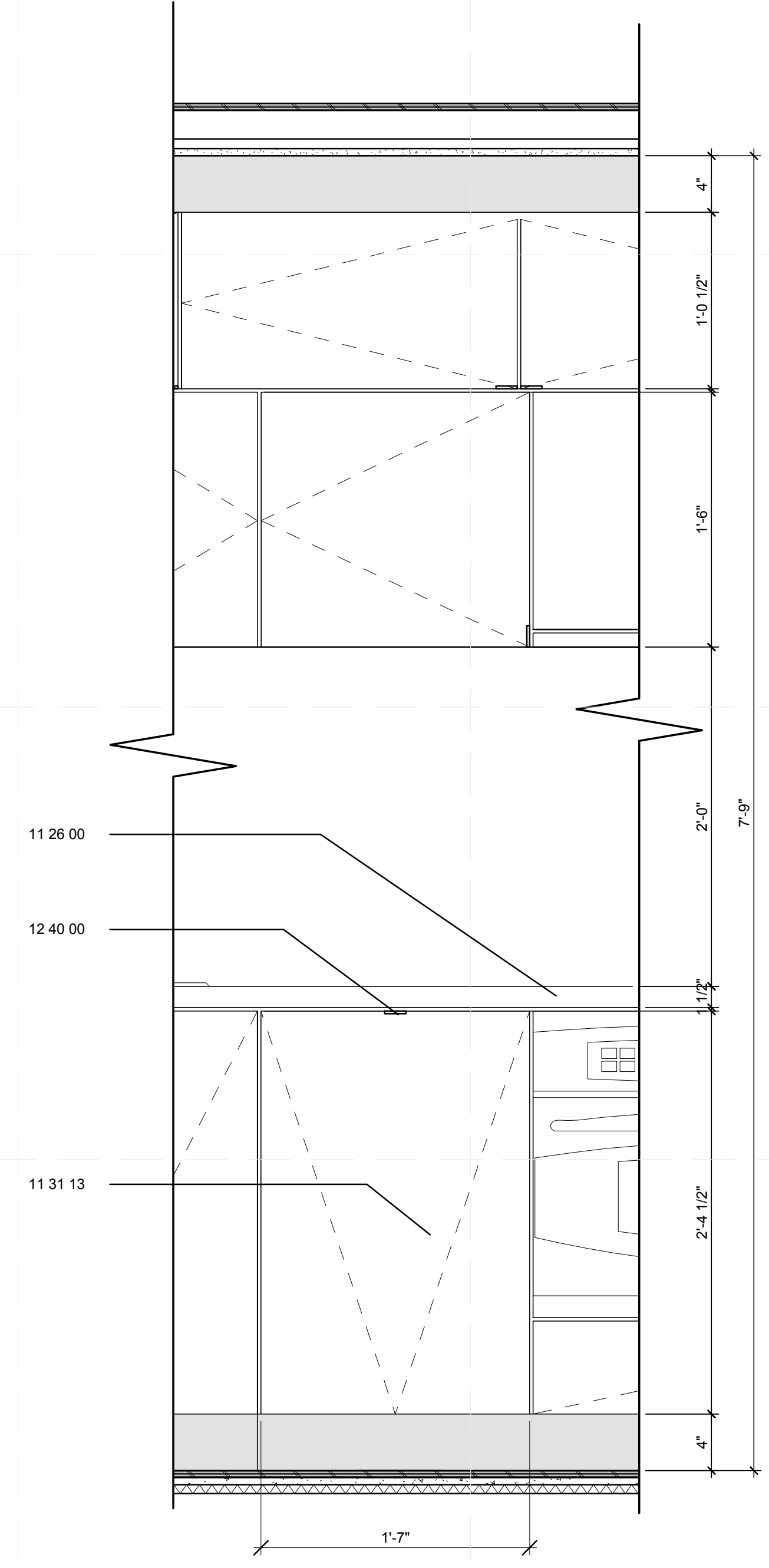
PLAN #:

I-533.01



B1 DETAIL - KITCHEN DISHWASHER

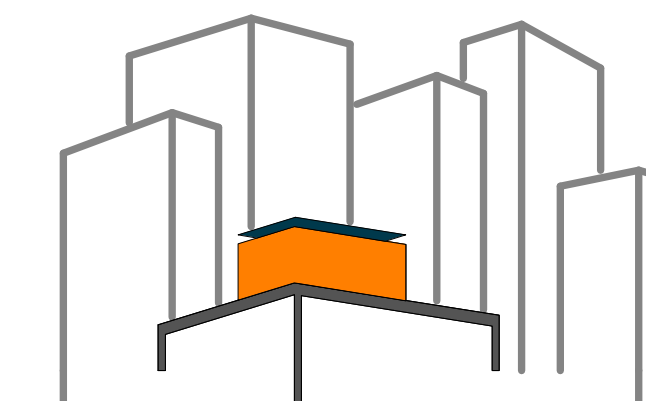
1 1/2" = 1'-0"



B5 ELEVATION - KITCHEN, DISHWASHER

1 1/2" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

2 8/8/2011 REVISED ELEVATIONS
AND CONNECTIONS

LOT NUMBER: 403

DRAWN BY: ASHER SALZBERG

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:43:18 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

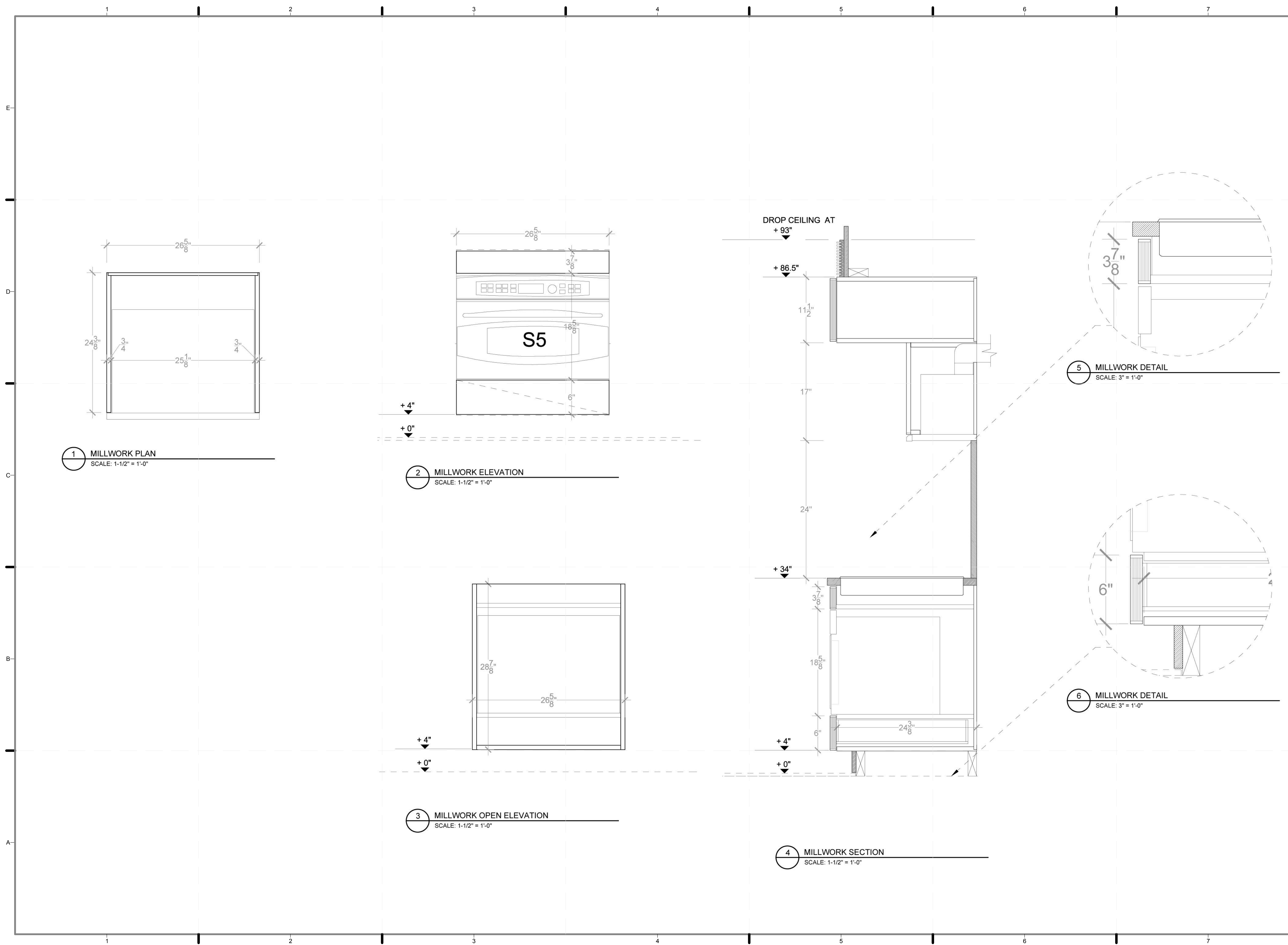
SHEET TITLE:

DETAIL- KITCHEN,
OVEN+COOKTOP
CABINET

SCALE: 1 1/2"=1'

PLAN #:

I-534.02



1 MILLWORK PLAN
SCALE: 1-1/2" = 1'-0"

2 MILLWORK ELEVATION
SCALE: 1-1/2" = 1'-0"

3 MILLWORK OPEN ELEVATION
SCALE: 1-1/2" = 1'-0"

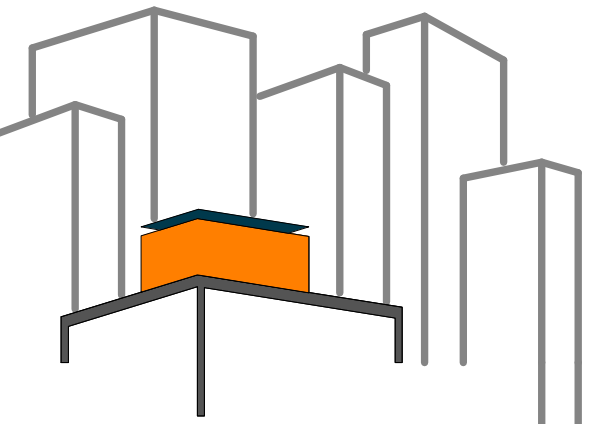
4 MILLWORK SECTION
SCALE: 1-1/2" = 1'-0"

5 MILLWORK DETAIL
SCALE: 3" = 1'-0"

6 MILLWORK DETAIL
SCALE: 3" = 1'-0"

REFERENCE KEYNOTES

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
 11 26 00 UNIT KITCHENS
 12 40 00 FURNISHINGS AND ACCESSORIES



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

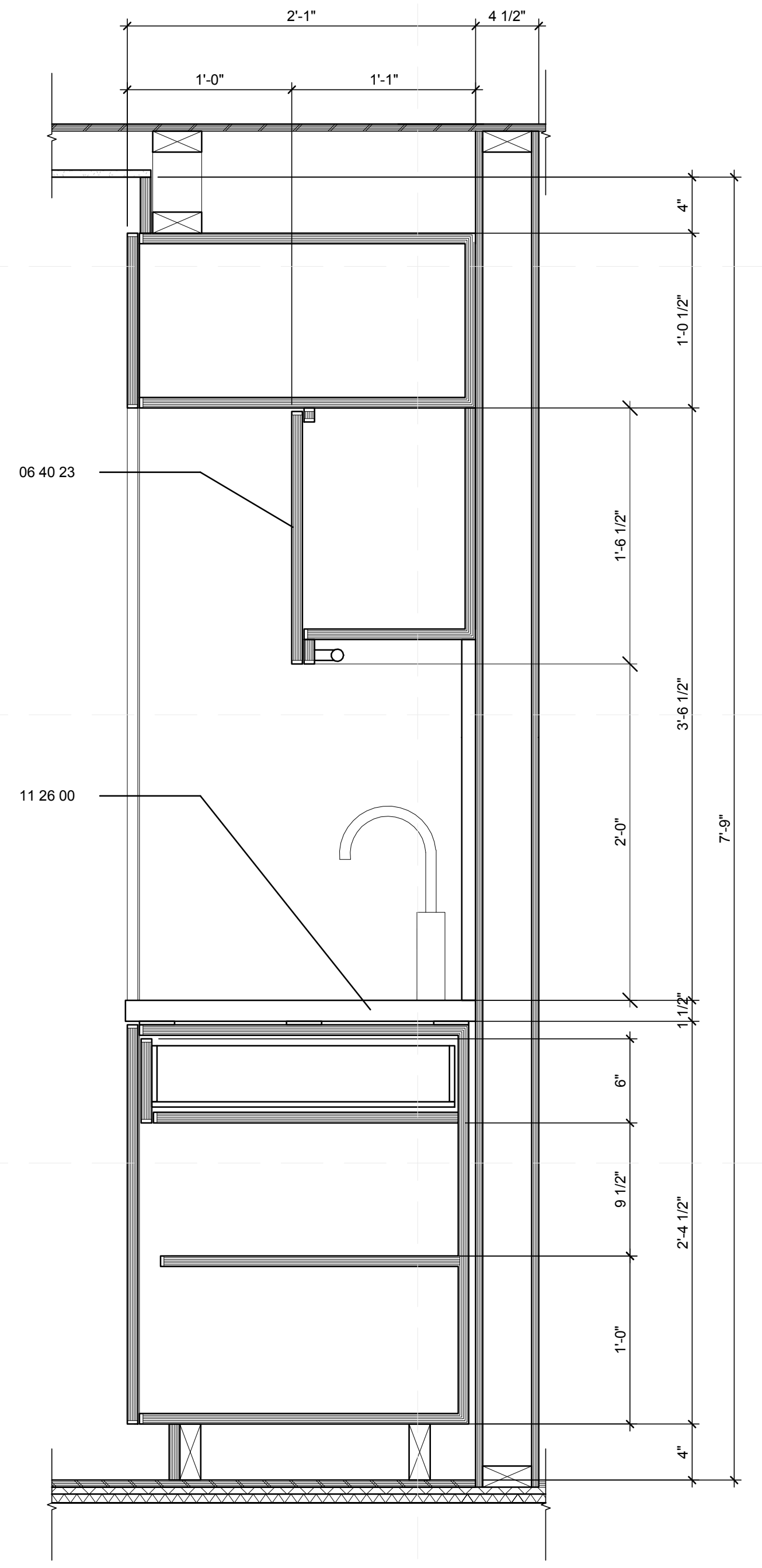
LOT NUMBER: 403
 DRAWN BY: ASHER SALZBERG
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:43:22 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

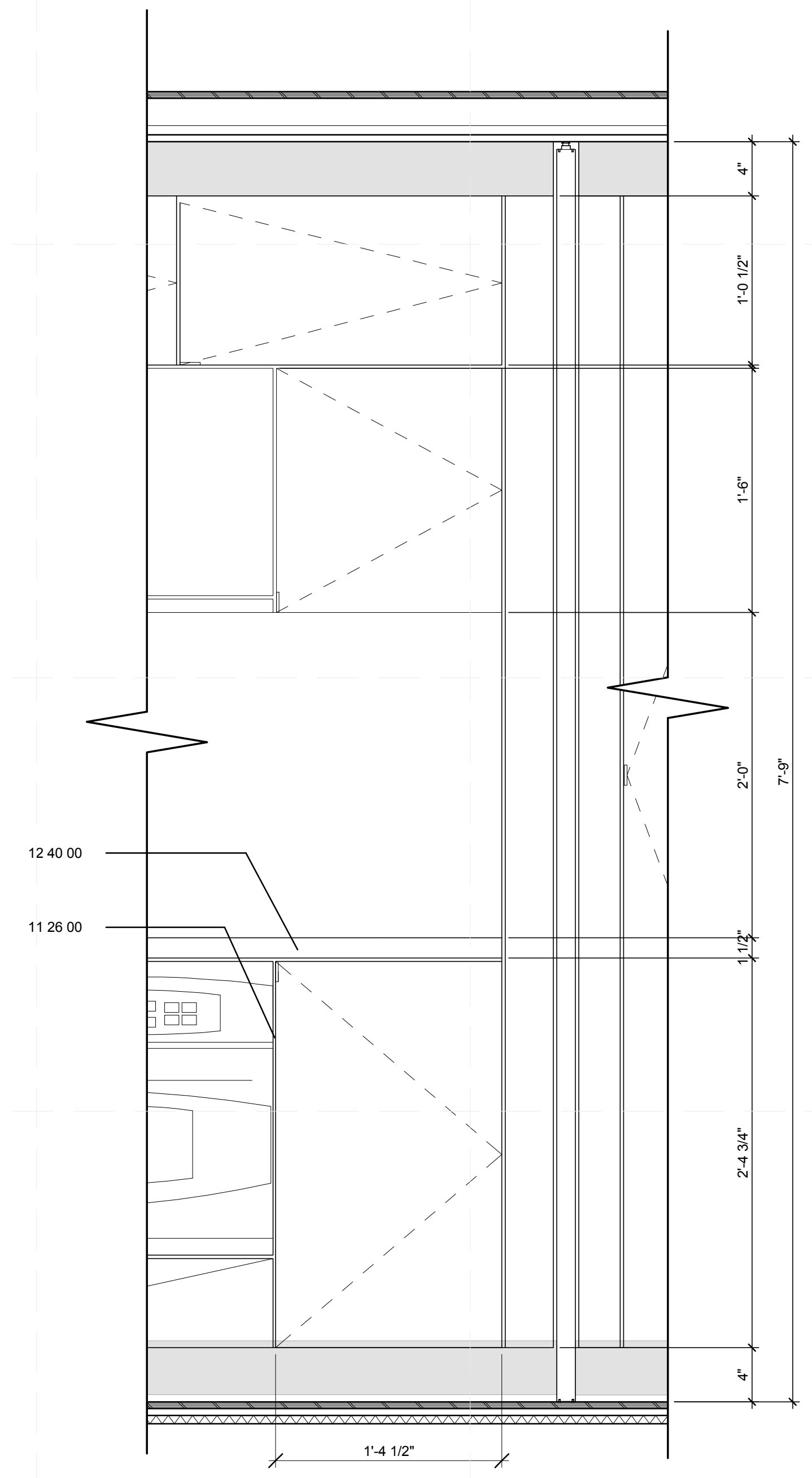
SHEET TITLE:
DETAIL- KITCHEN,
RIGHT BASE
CABINET

SCALE: 1 1/2"=1'
 PLAN #:

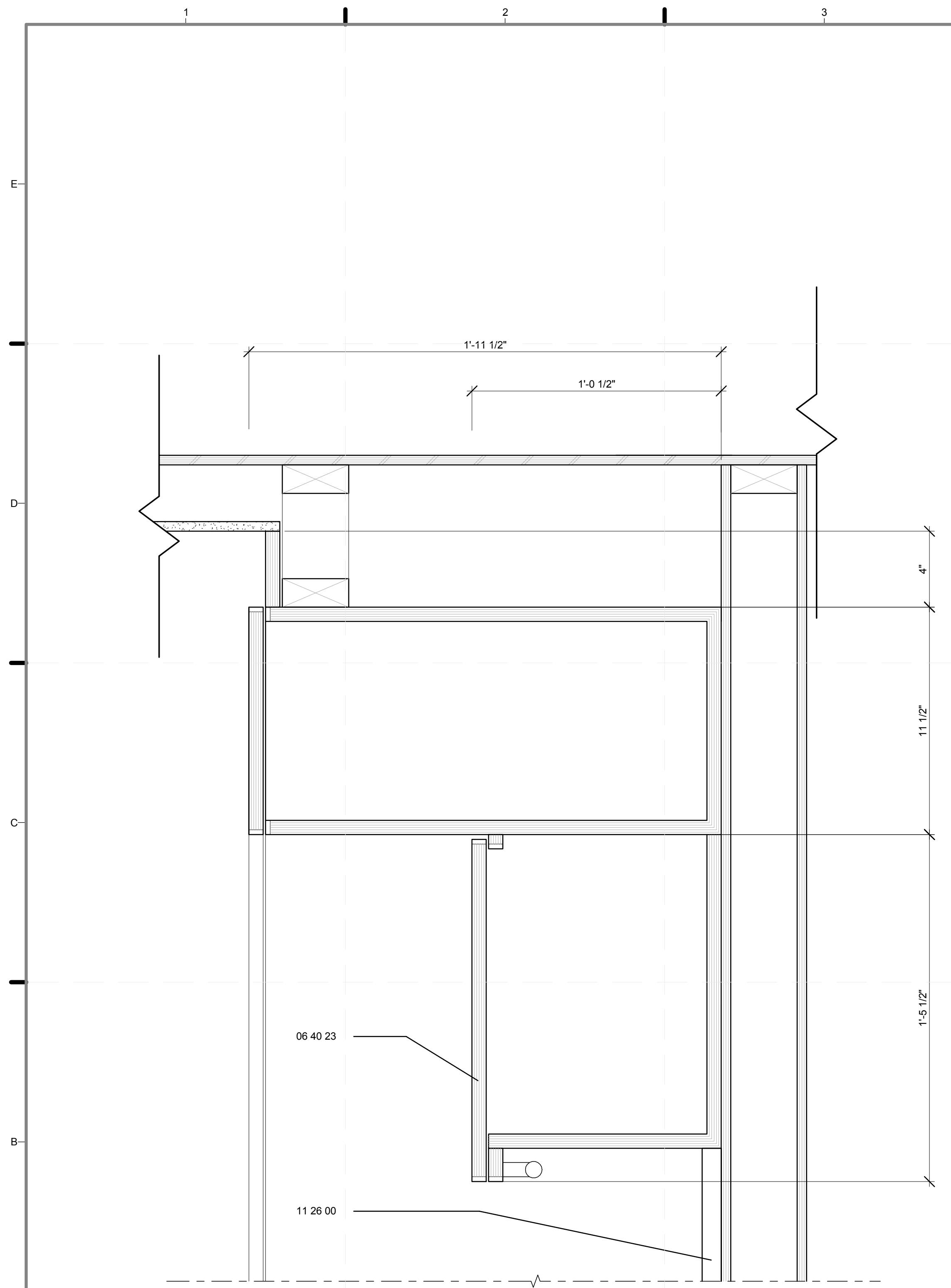
I-535.01



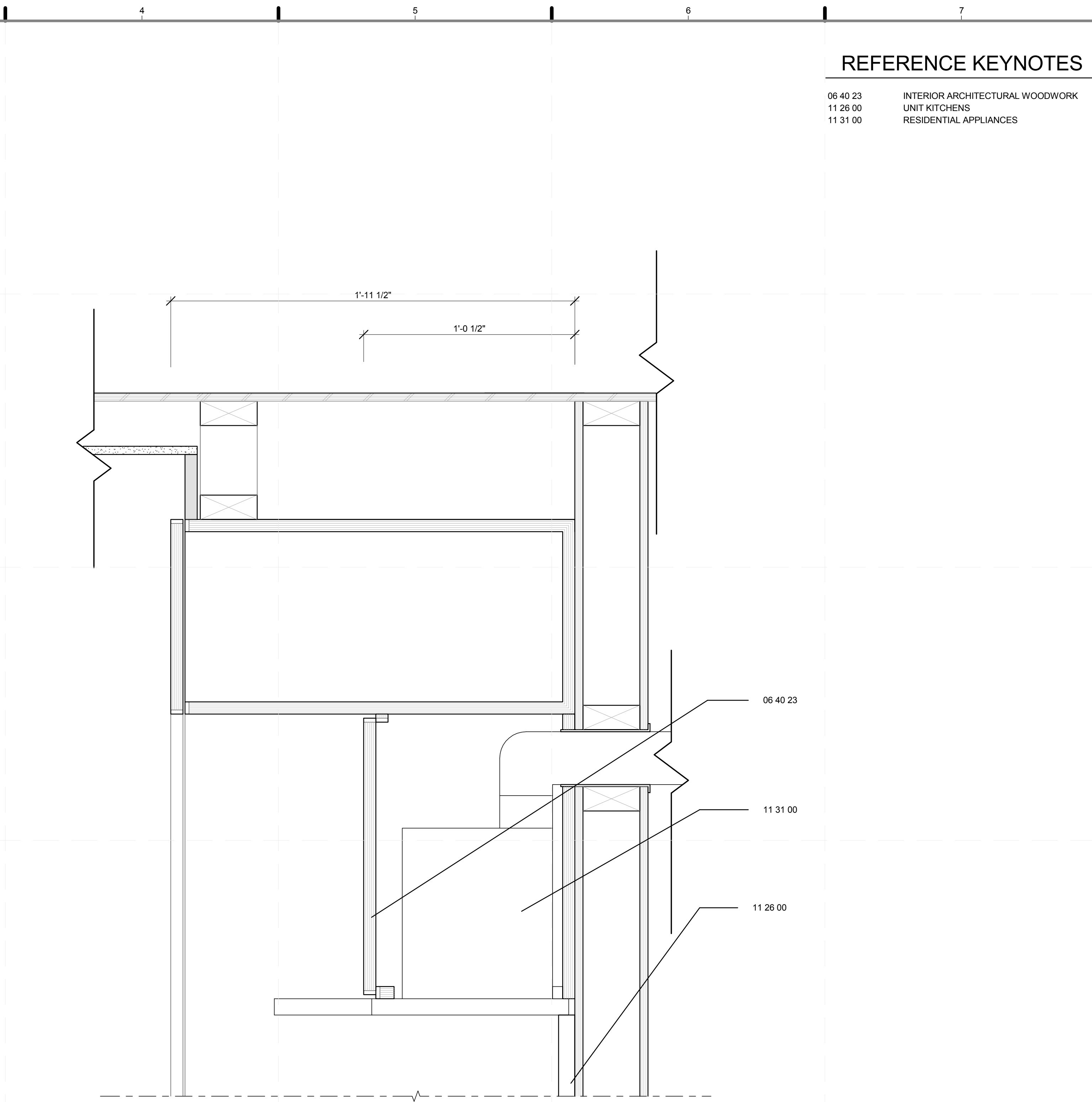
B2 **DETAIL - KITCHEN RIGHT CABINET**
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



B5 **ELEVATION - KITCHEN, RIGHT CABINET**
 1 1/2" = 1'-0"
 0 1/2" 1' 1 1/2"



B1 SECTION - KITCHEN, WALL CABINET
3" = 1'-0"

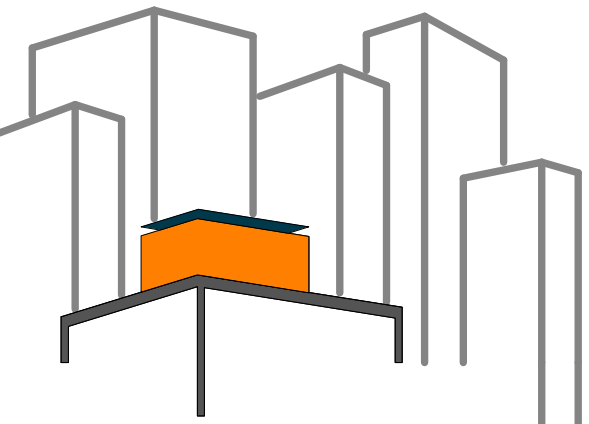


B4 SECTION - KITCHEN, HOOD CABINET
3" = 1'-0"



REFERENCE KEYNOTES

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
11 26 00 UNIT KITCHENS
11 31 00 RESIDENTIAL APPLIANCES



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

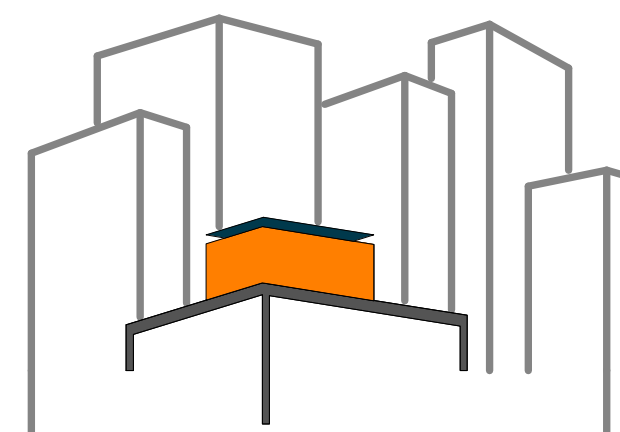
LOT NUMBER: 403
DRAWN BY: ASHER SALZBERG
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:43:24 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL - WALL CABINET/HOOD CABINET

SCALE: 3" = 1'-0"
PLAN #:

I-536.01



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 REVISED ELEVATION
AND CONNECTIONS

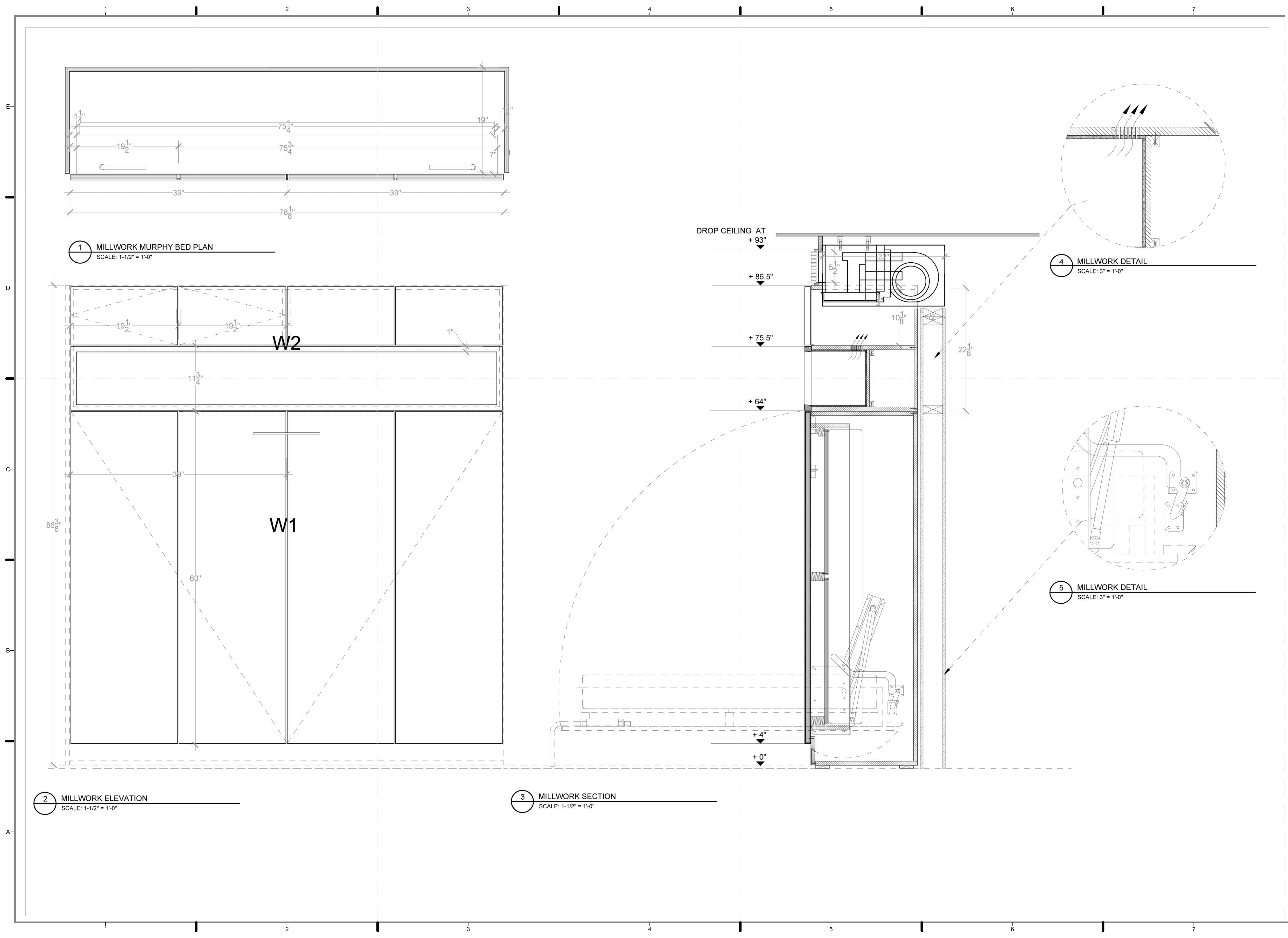
LOT NUMBER: 403
DRAWN BY: **TEICHA VILLEGAS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:43:27 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

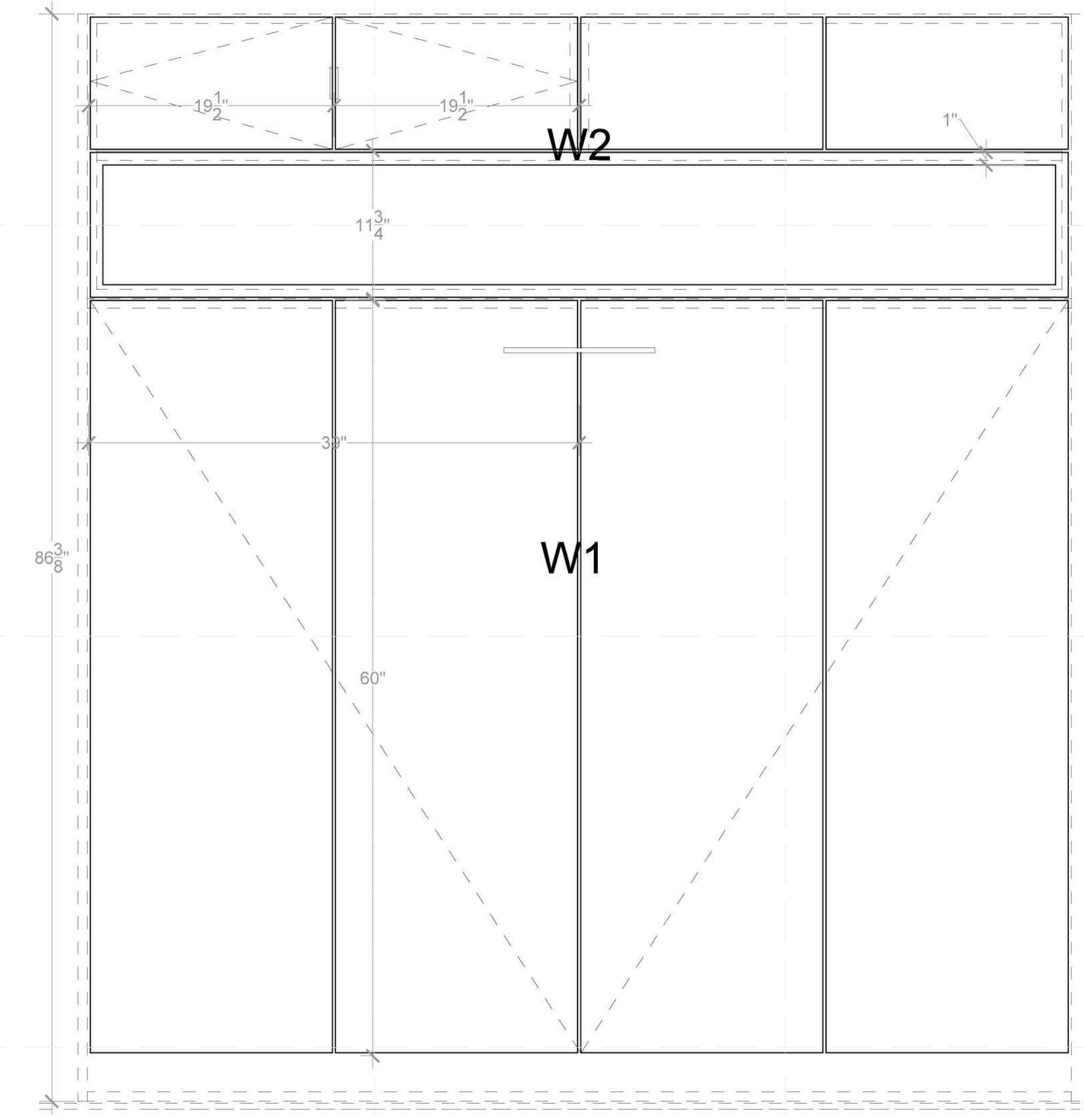
SHEET TITLE:
DETAIL- BEDROOM,
MURPHY BED
CABINET

SCALE: **1 1/2"=1'**
PLAN #:

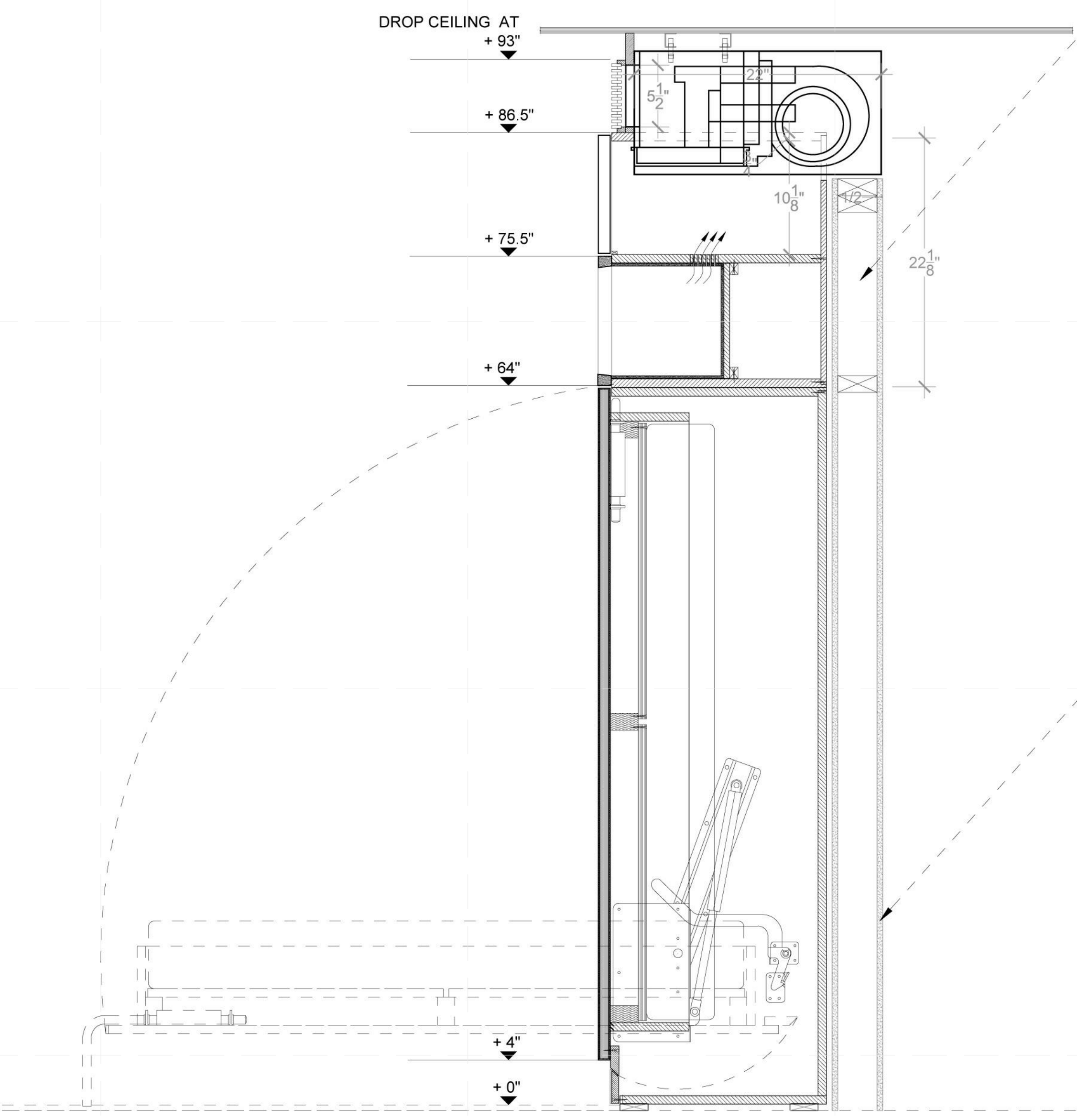
I-541.02



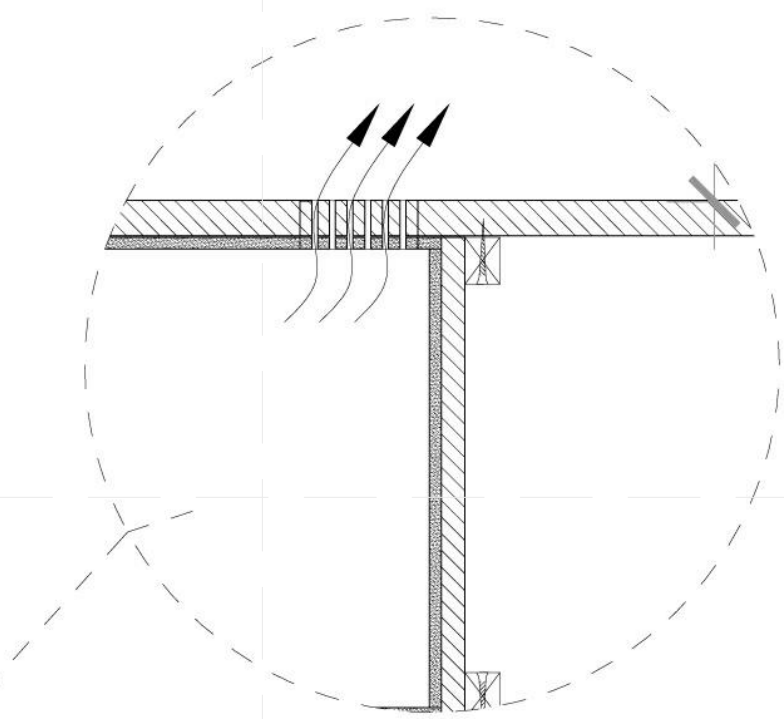
1 MILLWORK MURPHY BED PLAN
SCALE: 1-1/2" = 1'-0"



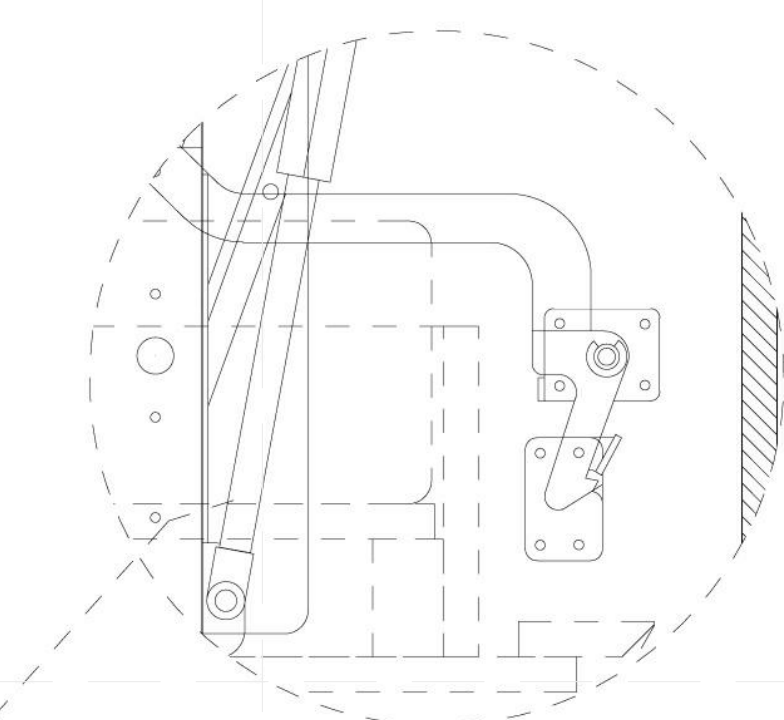
2 MILLWORK ELEVATION
SCALE: 1-1/2" = 1'-0"



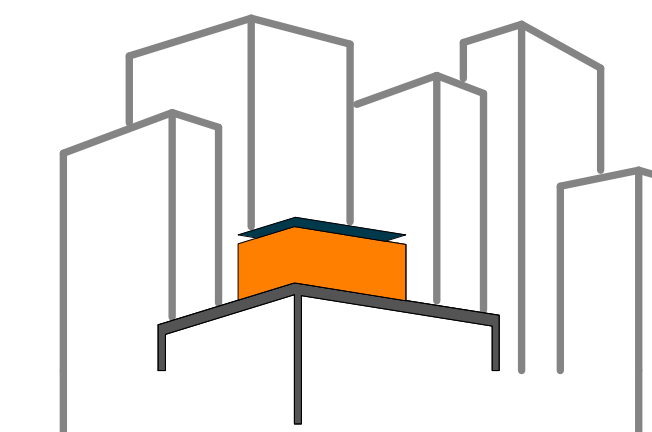
3 MILLWORK SECTION
SCALE: 1-1/2" = 1'-0"



4 MILLWORK DETAIL
SCALE: 3" = 1'-0"



5 MILLWORK DETAIL
SCALE: 3" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **TEICHA VILLEGAS**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:43:31 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- BEDROOM,
ACCESS TO
MECHANICAL ROOM

SCALE: **1 1/2"=1'**
PLAN #:

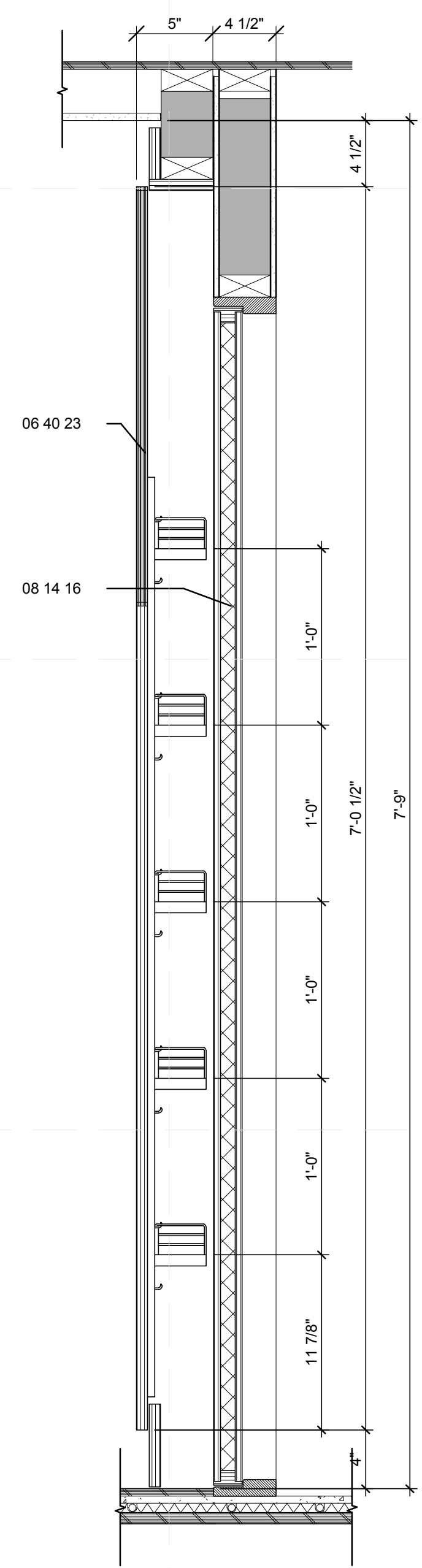
I-542.01

GENERAL SHEET NOTES

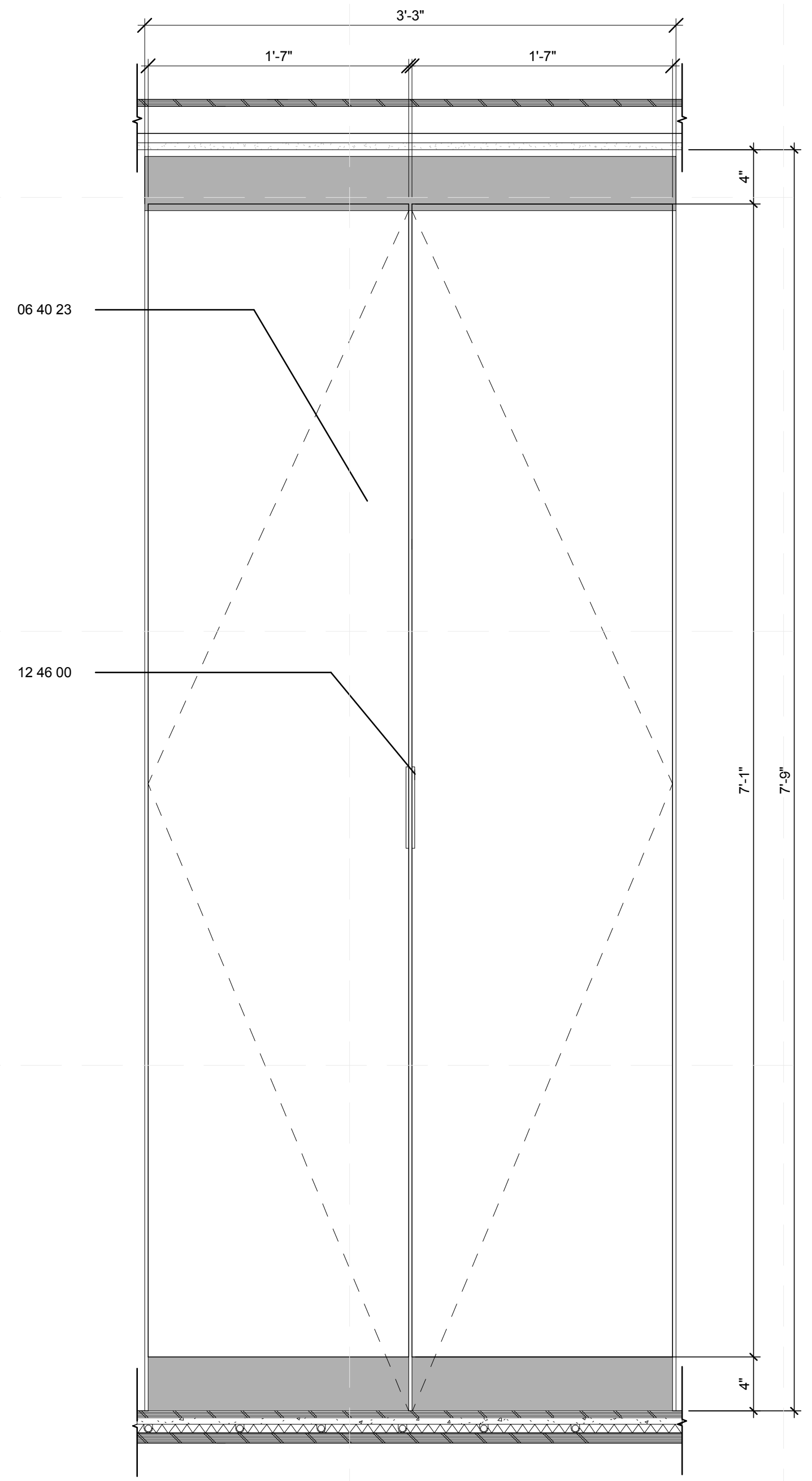
1. 1/4" REVEAL AT JOINT LINES, TYP.

REFERENCE KEYNOTES

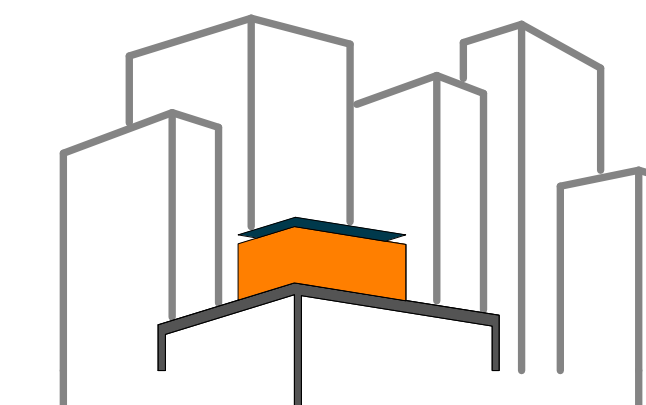
06 40 23 INTERIOR ARCHITECTURAL WOODWORK
08 14 16 FLUSH WOOD DOORS
12 46 00 FURNISHING ACCESSORIES



B1 DETAIL - BEDROOM ACCESS TO MECHANICAL ROOM
1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



B4 SECTION DETAIL - BEDROOM ACCESS TO MECH. ROOM
1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ROSTYSLAV PECHENYY

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:43:33 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

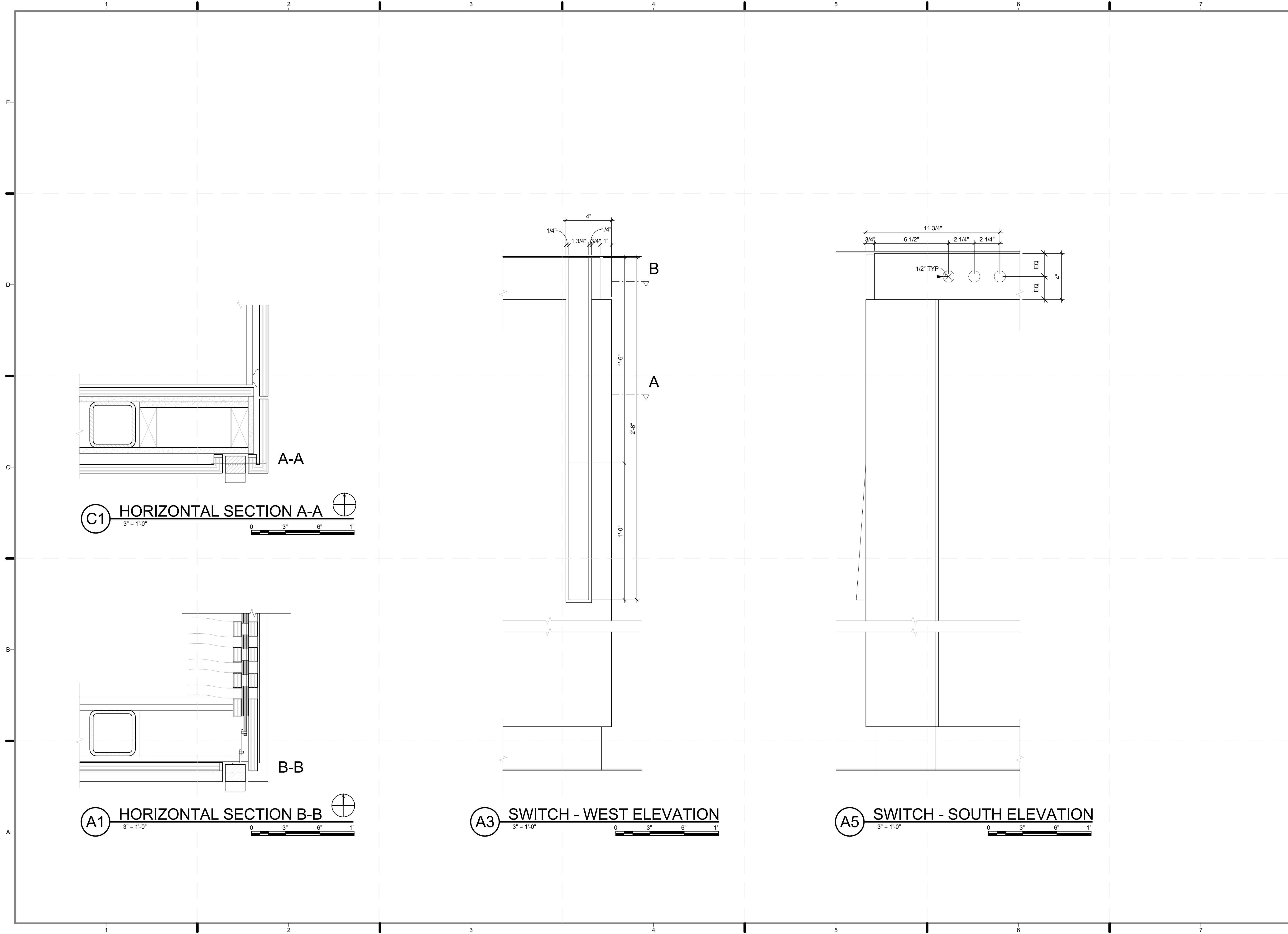
SHEET TITLE:

DETAIL-
VENTILATION
SWITCH 1 OF 2

SCALE: 1 1/2"=1'

PLAN #:

I-551.01

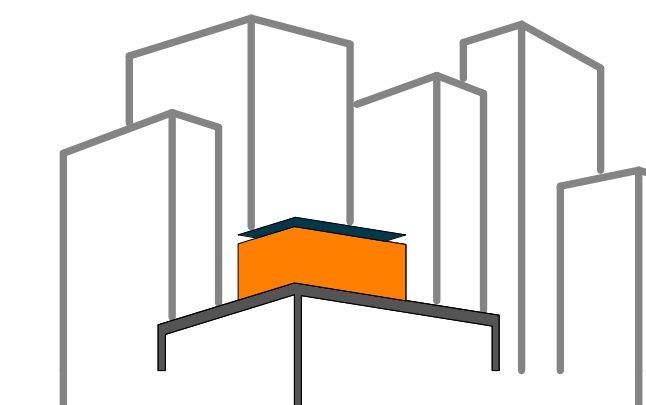


C1 HORIZONTAL SECTION A-A
3" = 1'-0"

A1 HORIZONTAL SECTION B-B
3" = 1'-0"

A3 SWITCH - WEST ELEVATION
3" = 1'-0"

A5 SWITCH - SOUTH ELEVATION
3" = 1'-0"



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ROSTYSLAV PECHENYY

CHECKED BY: CHRISITAN VOLKMANN

DATE: 8/12/2011 10:43:34 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL-
VENTILATION
SWITCH 2 OF 2

SCALE: 3" = 1'-0"

PLAN #:

I-552.01

1 2 3 4 5 6 7

E

D

C

B

A

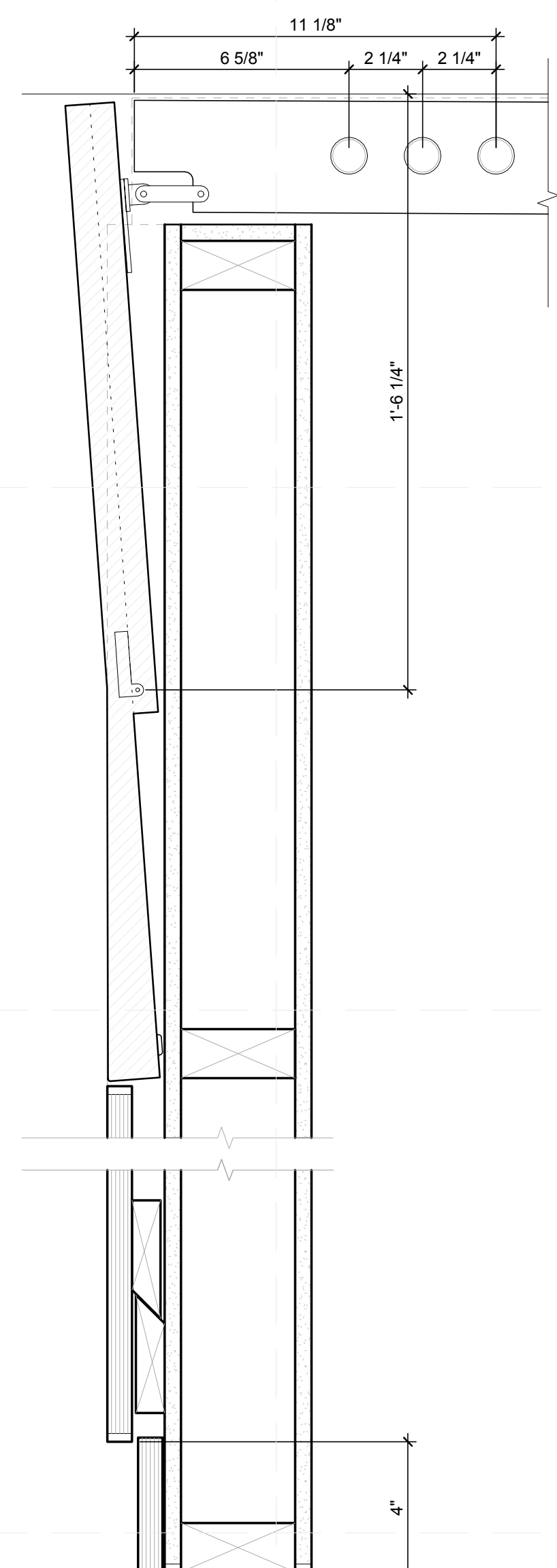
E

D

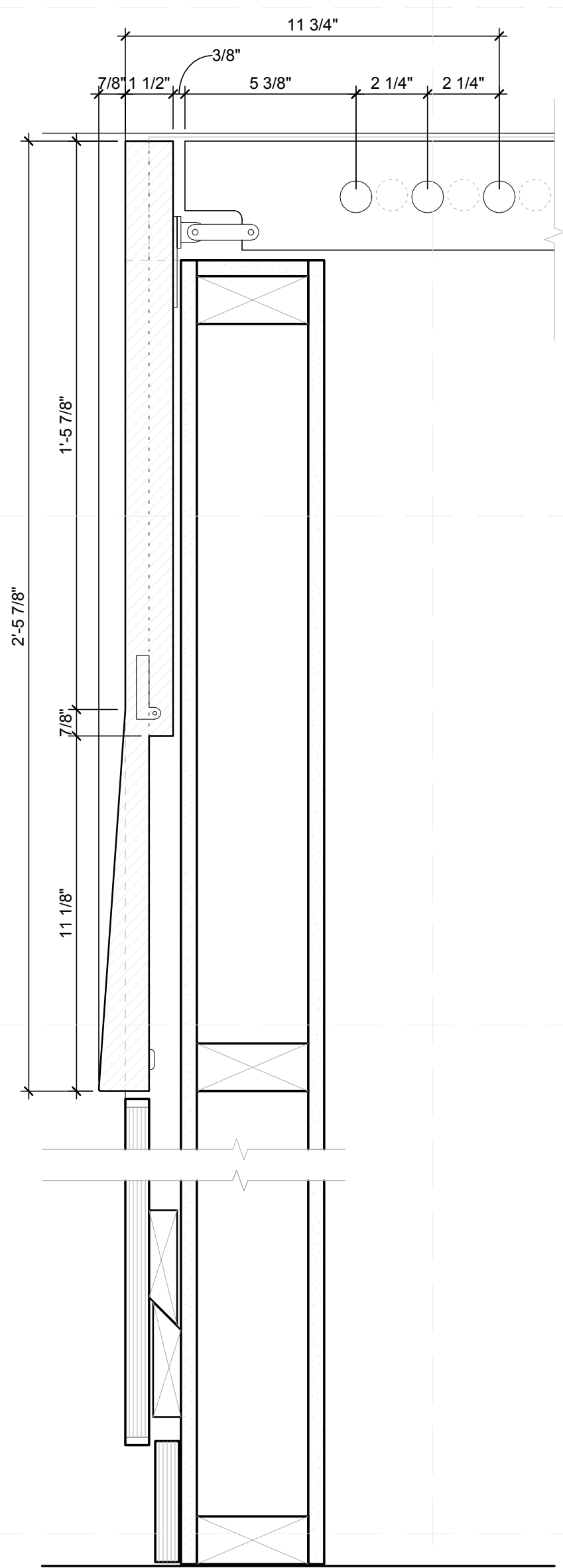
C

B

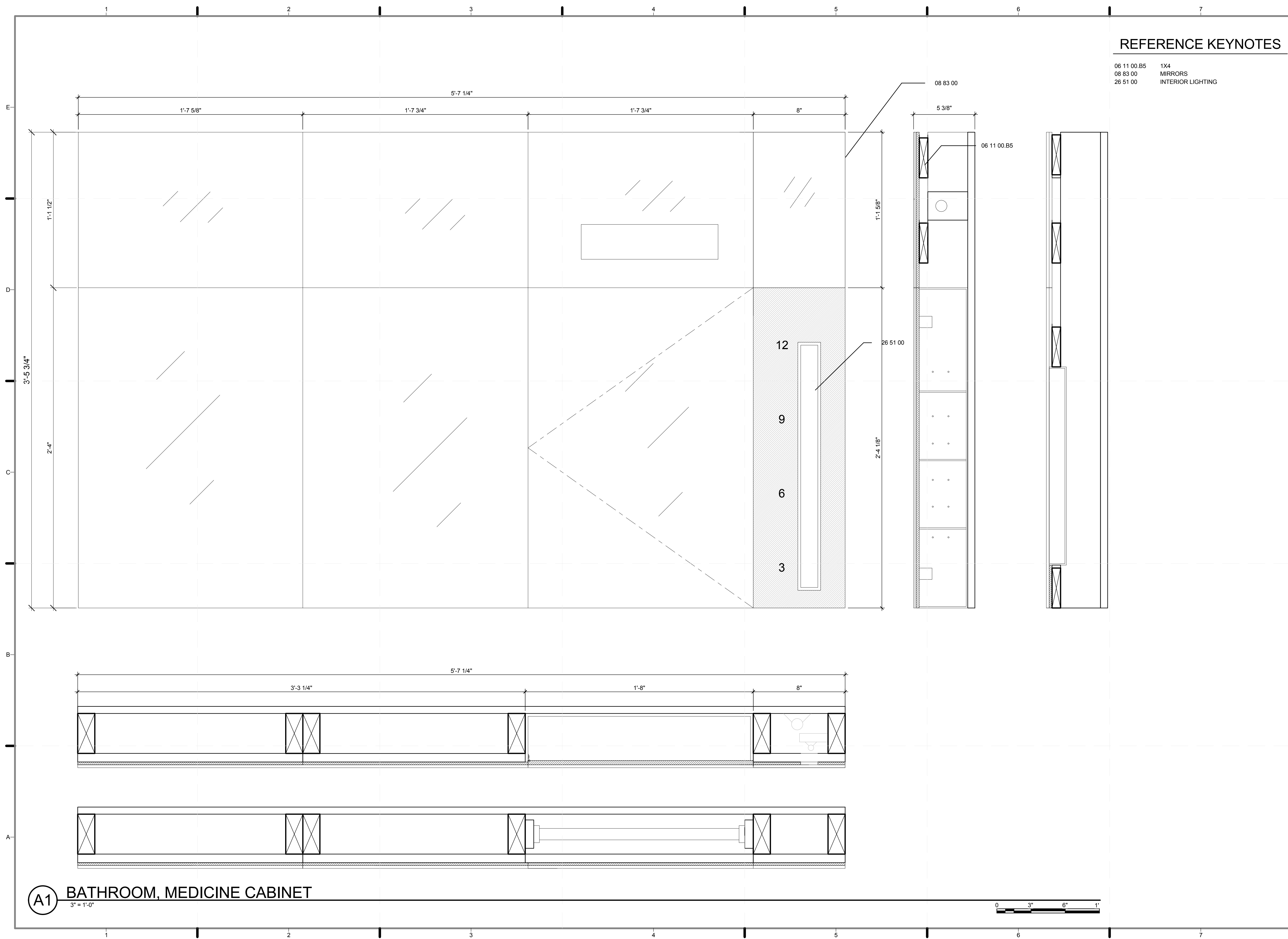
A



A1 SECTION - SWITCH CLOSED
3" = 1'-0"

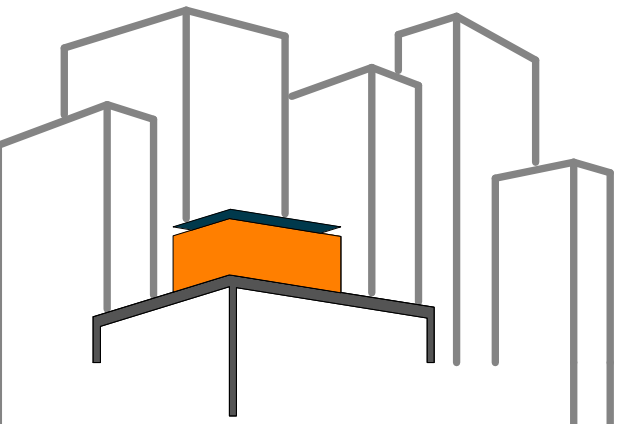


A4 SECTION - SWITCH OPEN
3" = 1'-0"



REFERENCE KEYNOTES

06 11 00.B5 1X4
 08 83 00 MIRRORS
 26 51 00 INTERIOR LIGHTING



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403
 DRAWN BY: GEORGE FAHIM
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 10:43:36 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAIL- BATHROOM, MEDICINE CABINET

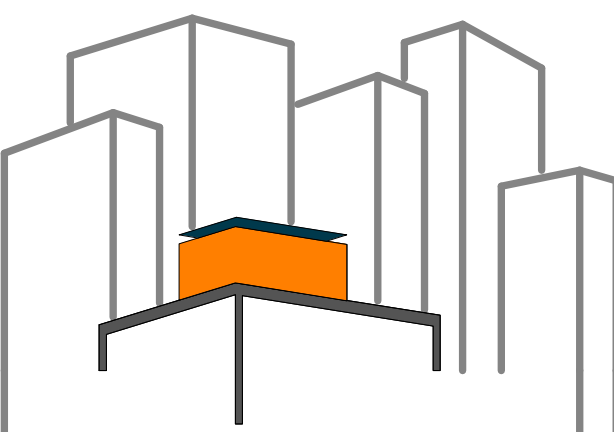
SCALE: 3" = 1'-0"

PLAN #:

I-561.01

(A1) BATHROOM, MEDICINE CABINET





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: GEORGE FAHIM

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:43:37 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

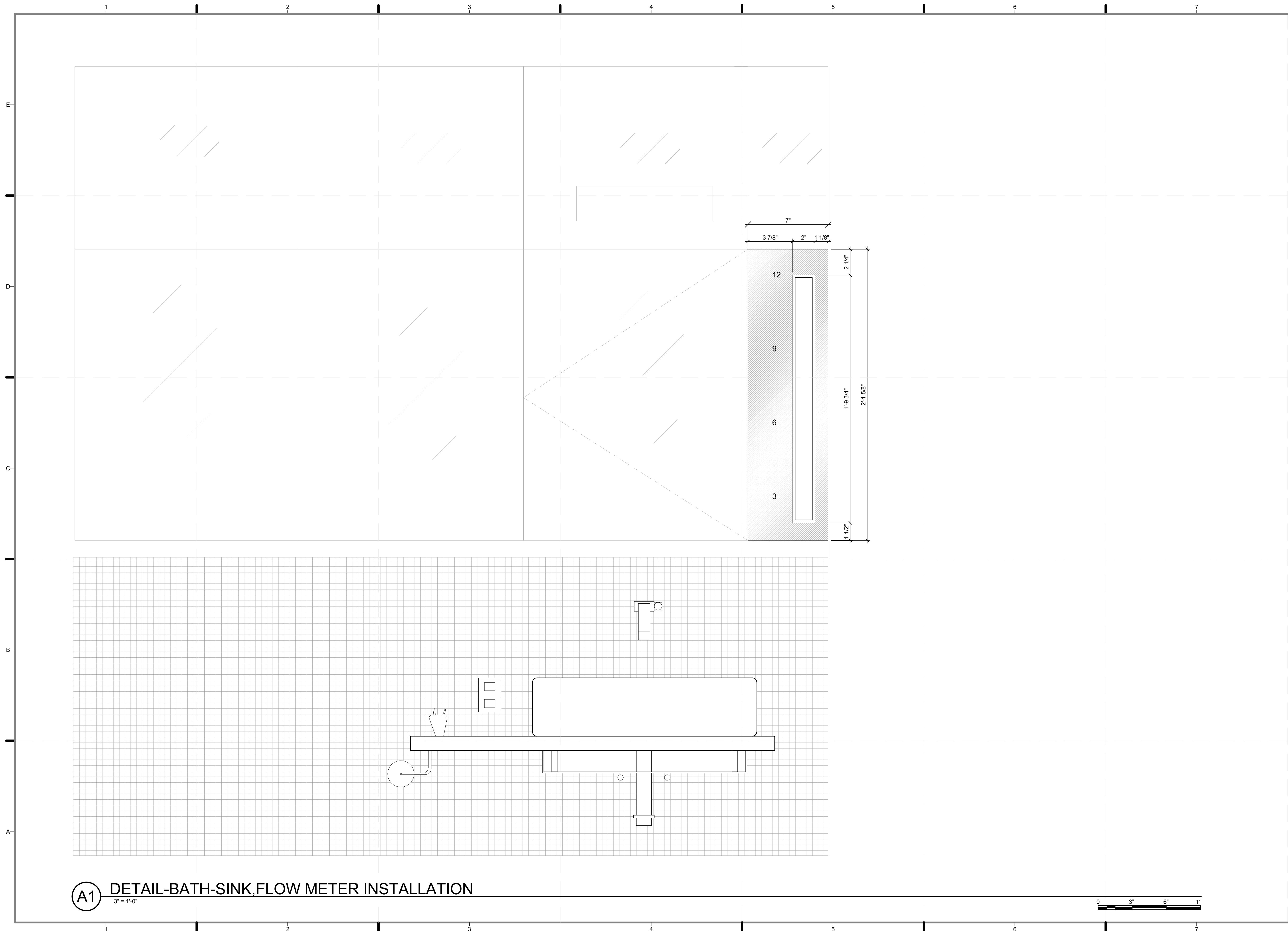
SHEET TITLE:

DETAIL- BATH,
SINK+FLOW
METERINSTALLATION

SCALE: 3" = 1'-0"

PLAN #:

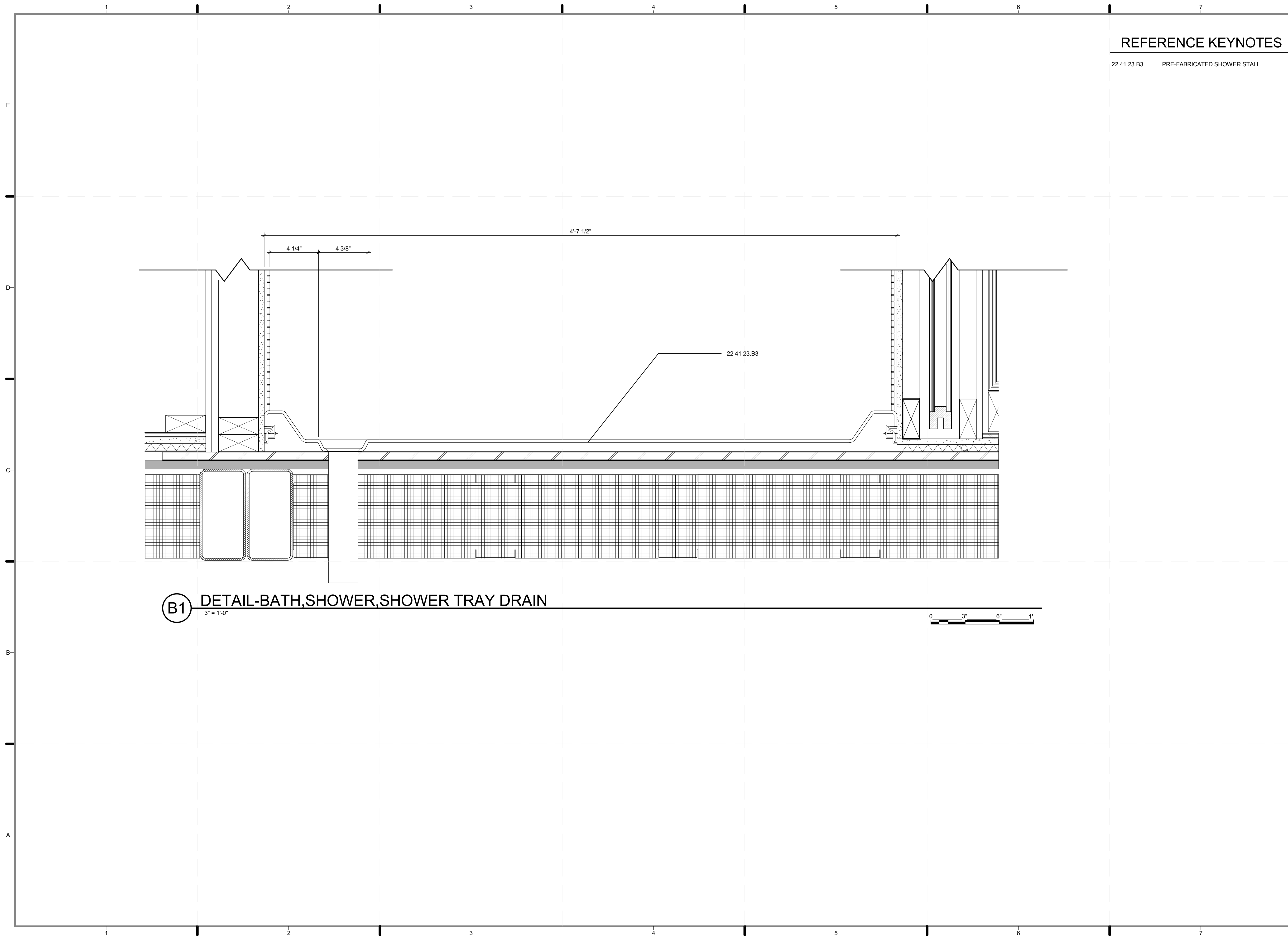
I-562.01



A1 DETAIL-BATH-SINK, FLOW METER INSTALLATION

3" = 1'-0"

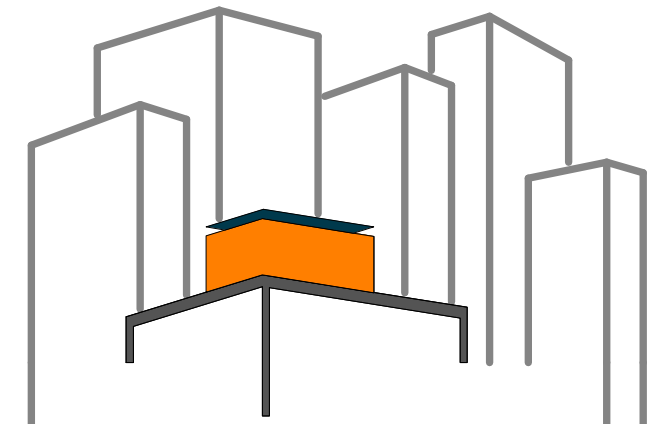




REFERENCE KEYNOTES

22 41 23.B3 PRE-FABRICATED SHOWER STALL

B1 DETAIL-BATH,SHOWER,SHOWER TRAY DRAIN
3" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

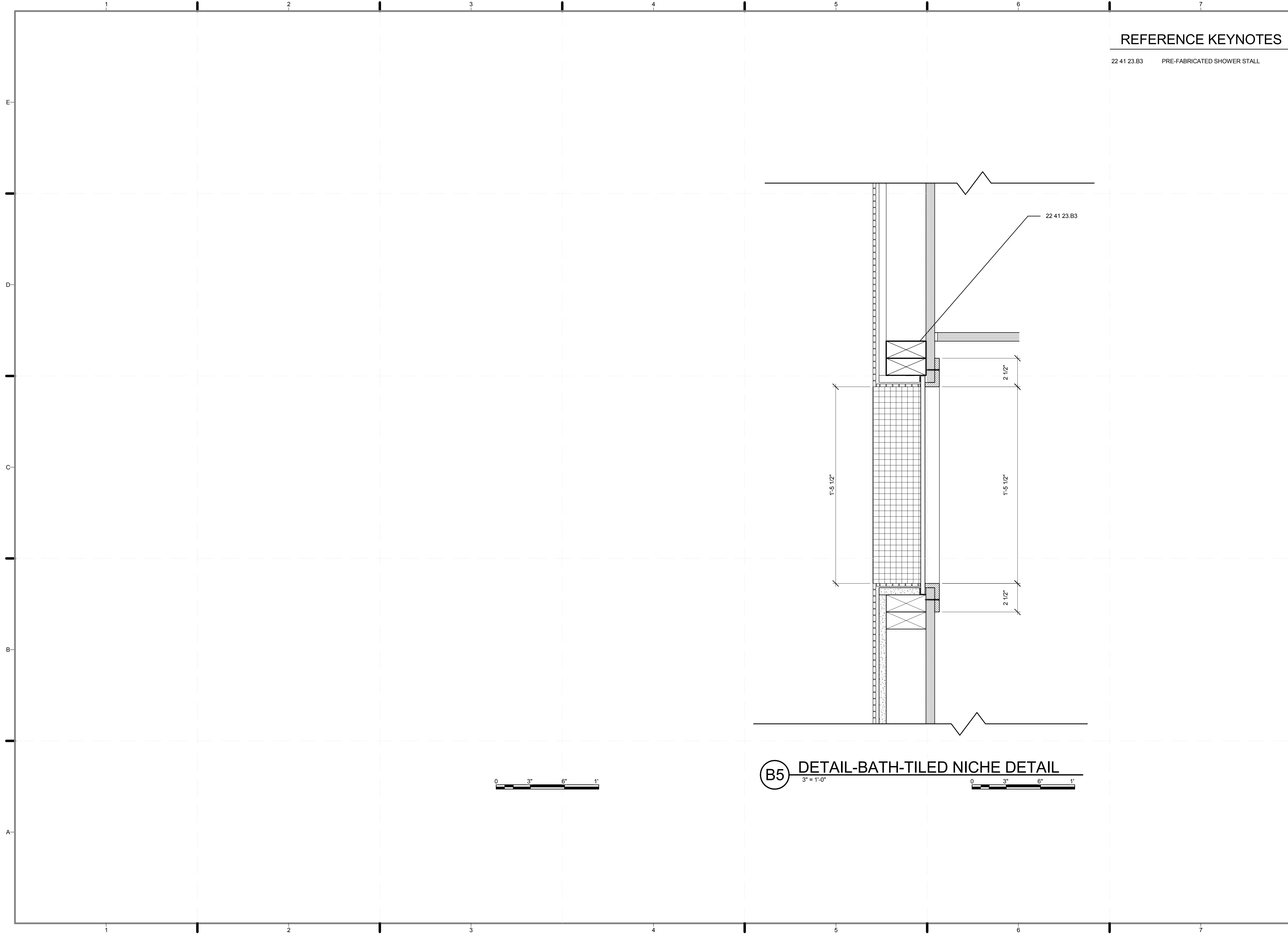
LOT NUMBER: **403**
DRAWN BY: **GEORGE FAHIM**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:43:40 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- BATH,
SHOWER TRAY
DRAIN

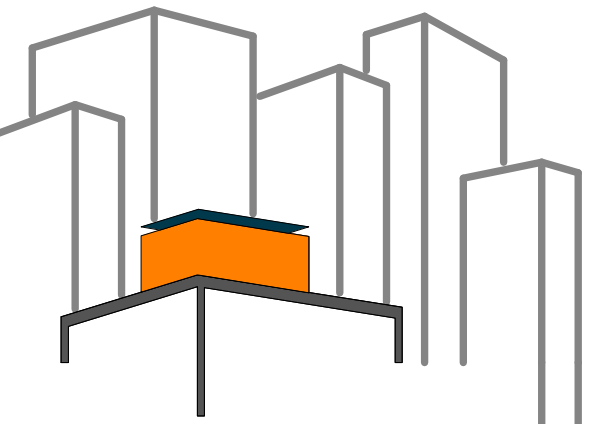
SCALE: **3" = 1'-0"**
PLAN #:

I-563.01



REFERENCE KEYNOTES

22 41 23.B3 PRE-FABRICATED SHOWER STALL



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **GEORGE FAHIM**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:43:42 PM**

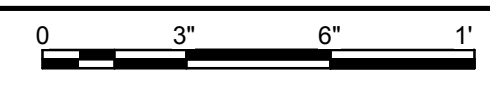
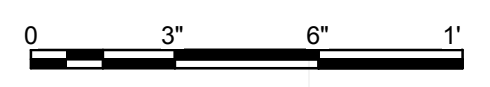
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

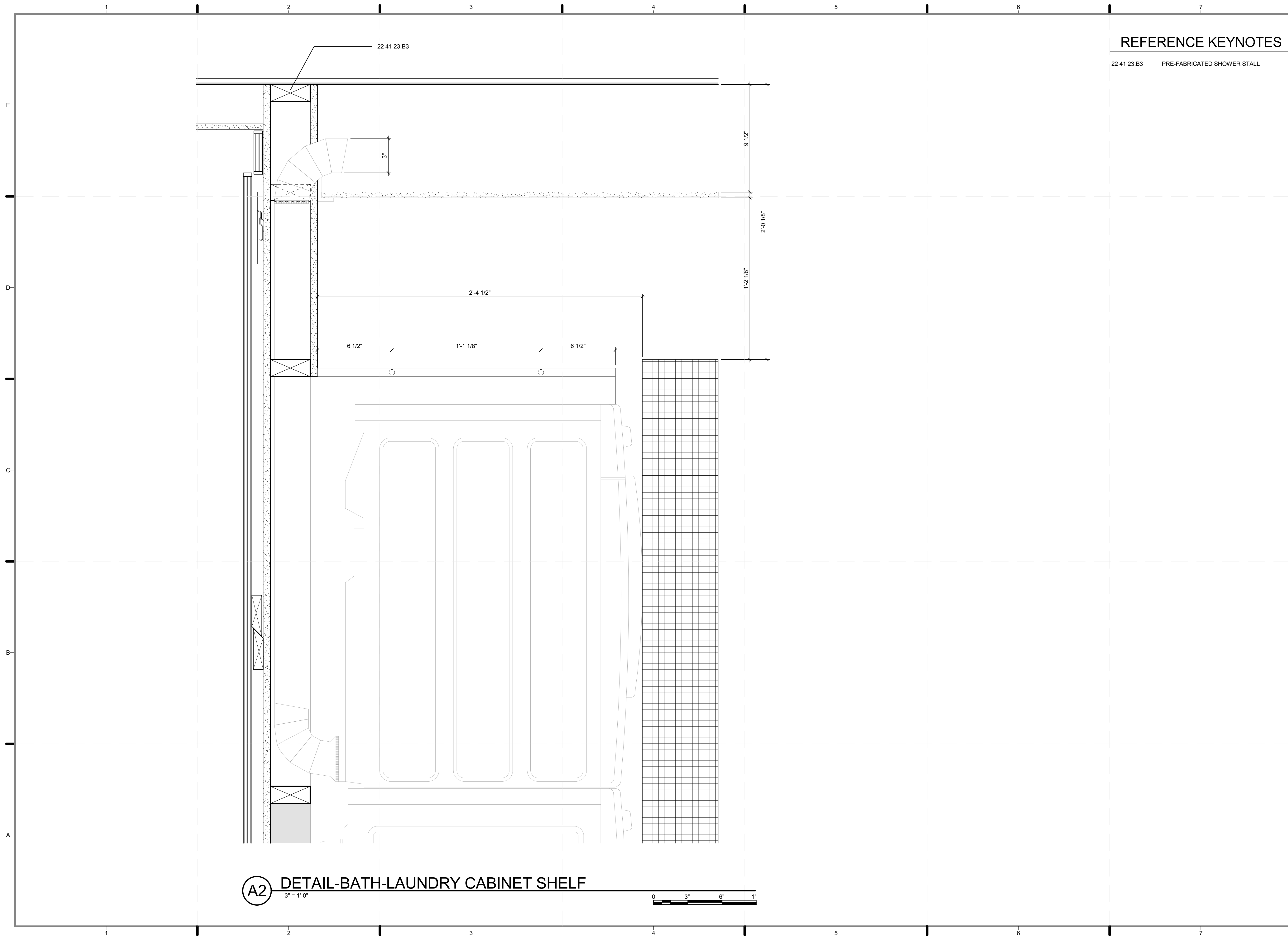
SHEET TITLE:
DETAIL- BATH,
TILED NICHE DETAIL

SCALE: **3" = 1'-0"**
PLAN #:

I-564.01

(B5) DETAIL-BATH-TILED NICHE DETAIL
3" = 1'-0"

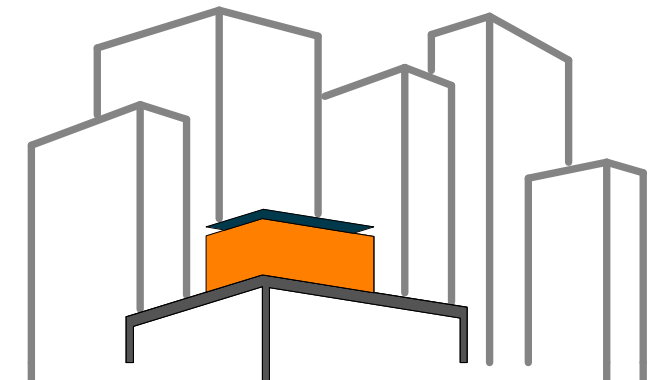
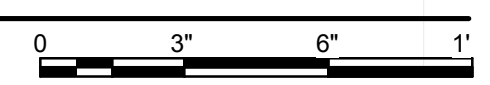




REFERENCE KEYNOTES

22 41 23.B3 PRE-FABRICATED SHOWER STALL

A2 DETAIL-BATH-LAUNDRY CABINET SHELF



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **FARAH AHMAD**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:43:44 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DETAIL- BATH,
LAUNDRY
CABINET/SHELF

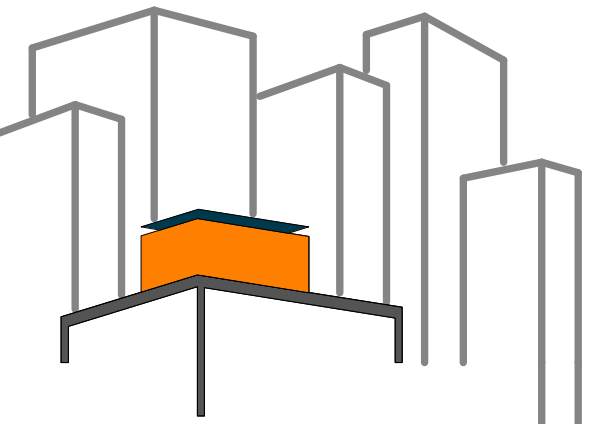
SCALE: **3" = 1'-0"**

PLAN #:

I-565.01

GENERAL SHEET NOTES

1. 3/4" BIRCH PLYWOOD INNER PLYS ARE DOUGLAS FIR (WESTERN SPECIE INNER PLY), COMPLIANT WITH THE 2003 INTERNATIONAL BUILDING CODE, SECTION 2603.4. SEE MANUFACTURER PROFILE (WWW.TIMBERPRODUCTS.COM)
2. SEE APA PERFORMANCE-RATED WOOD STRUCTURAL PANELS AS THERMAL BARRIERS IN THE PROJECT MANUAL APPENDIX.
3. EXTERIOR WALLS ARE NOT STRUCTURAL AND DO NOT BEAR ANY LOAD. STEEL FINIS ARE THE PRIMARY STRUCTURAL ELEMENTS. SEE S003.01 AND PROJECT MANUAL FOR STRUCTURAL CALCULATIONS.



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS:	DATE /	NAME
03	8/09/2011	REVISED MATERIAL SCHEDULE

FINISH SCHEDULE

COATINGS

LOCATION	FLOOR	WALLS				CEILINGS		REMARKS
		INTERIOR		EXTERIOR		MATERIAL	FINISH	
		MATERIAL	FINISH	MATERIAL	FINISH			
LIVING ROOM	CORK	GYPSUM	BAMBOO PLYWOOD	3/4" BIRCH PLYWOOD	PAINT -02	GYPSUM	PAINT-01	MAX 200 FLAME SPREAD
BEDROOM	CORK	GYPSUM	BAMBOO PLYWOOD	3/4" BIRCH PLYWOOD	PAINT -02	GYPSUM	PAINT-01	MAX 200 FLAME SPREAD
BATHROOM	ICESTONE	GYPSUM	GLASS TILE	N/A	N/A	GYPSUM	PAINT-01	
MECHANICAL ROOM	PLYWOOD	GYPSUM	PAINT-01	N/A	N/A	GYPSUM	PAINT-01	

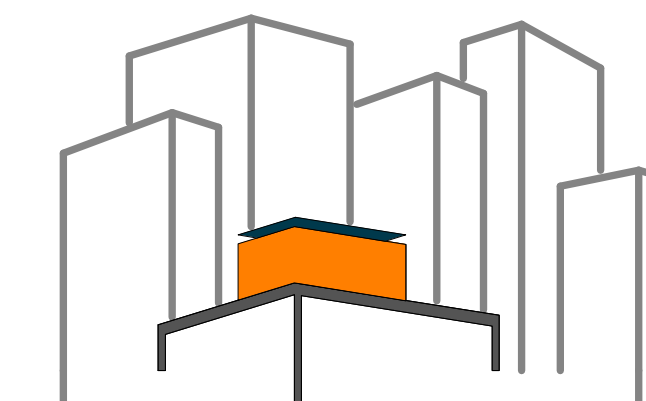
LOT NUMBER: **403**
DRAWN BY: **FARAH AHMAD**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:43:46 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
SCHEDULE-FINISHES

SCALE: **NTS**
PLAN #:

I-601.03



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: FARAH AHMAD

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:43:48 PM

**2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS**

SHEET TITLE:

**SCHEDULE-
HARDWARE**

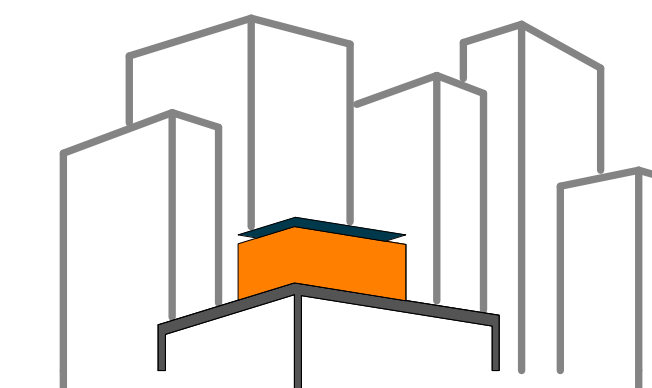
SCALE: NTS

PLAN #:

I-602.01

HARDWARE SCHEDULE

	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	ORDER #	FINISH	NOTES
01	SLIDING DOOR NORTH & SOUTH	H'AFELE	2	941.20.002	ALUMINUM	CUT ON SITE; HEIGHT ADJUSTABLE
02	TRACK	H'AFELE	2	941.20.003	ALUMINUM	ANODIZED; 3.0 M
03	SLIDING DOOR BATH	H'AFELE	2	941.80.002	ALUMINUM	CUT ON SITE
04	TRACK	H'AFELE	2	407.59.895	ALUMINUM	ANODIZED; 2.0 M
05	BATHROOM LOCK	H'AFELE	1	329.03.503	CHROME	CONCEALED HINGE
06	NORTH: LIVING ROOM CABINETS	H'AFELE	4	329.03.503	CHROME	CONCEALED HINGE
07	COAT CLOSET	H'AFELE	8	329.03.503	CHROME	CONCEALED HINGE
08	TV CABINETS	H'AFELE	4	329.03.503	CHROME	CONCEALED HINGE
09	MECHANICAL ROOM ACCESS	H'AFELE	8	329.03.503	CHROME	CONCEALED HINGE
10	SOUTH: TOP OF REFRIGERATOR	H'AFELE	2	329.03.503	CHROME	CONCEALED HINGE
11	WC: TOP OF SINK	H'AFELE	6	329.03.503	CHROME	CONCEALED HINGE
12	WC: TOP OF DISHWASHER	H'AFELE	2	329.03.503	CHROME	CONCEALED HINGE
13	WC: TOP OF COOKTOP	H'AFELE	4	329.03.503	CHROME	CONCEALED HINGE
14	WC: TOP OF DRAWER CAB.	H'AFELE	4	329.03.503	CHROME	CONCEALED HINGE
15	BASE CABINET	H'AFELE	2	329.03.503	CHROME	CONCEALED HINGE
16	WEST: TOP OF MURPHY BED	H'AFELE	8	329.03.503	CHROME	CONCEALED HINGE
17	CONCEALED HINGES	H'AFELE	56	329.03.503	CHROME	SCREW MOUNTED, SELF-CLOS, FULL OVERLAY
18	DRAWER RUNNERS KITCHEN	H'AFELE	1 (PAIR)	420.96.473	CHROME	GROOVE-MOUNTED
19	PULL OUT WASTE BINS KITCHEN	H'AFELE	2	502.73.780	CHROME	GROOVE-MOUNTED
20	HAWA-TURNAWAY 15/X1 PIVOT SLIDING DOOR FITTING (RIGHT)	H'AFELE	1	407.71.042	CHROME	SCISSOR ASSEMBLY
21	HAWA-TURNAWAY 15/X1 PIVOT SLIDING DOOR FITTING (LEFT)	H'AFELE	1	407.71.140	CHROME	SCISSOR HINGE
22	OFFICE DESK FLAP STAY (RIGHT)	H'AFELE	1	365.60.746	STEEL, NICKEL PLATED	DUOMATIC PIE-CUT CORNER HINGE, SELF-CLOSING
23	OFFICE DESK FLAP STAY (LEFT)	H'AFELE	1	365.60.755	STEEL, NICKEL PLATED	DUOMATIC PIE-CUT CORNER HINGE, SELF-CLOSING
24	FITTING BED LIFT FOLDAWAY SET W GAS PISTONS & ANGULAR FEET	H'AFELE	1	271.95.204, 271.99.202	ALUMINUM	HOLDS 176 LBS; SIDE MOUNTED FOLDAWAY BEDS
25	EDGE PULLS FOR DRAWERS & CABINETS	OUTWATER	36	PUL-DP41-S, PUL-DP41-26, PUL-DP41-26D	ANODIZED STAINLESS STEEL, POLISHED ALUMINUM, SATIN ALUMINUM	EXTRUDED ALUMINUM; BACK FASTENED FOR FLUSH RECESSED MOUNTING



SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

cnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: MICHAEL CHENG

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:43:50 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULE-PARTITION
TYPES

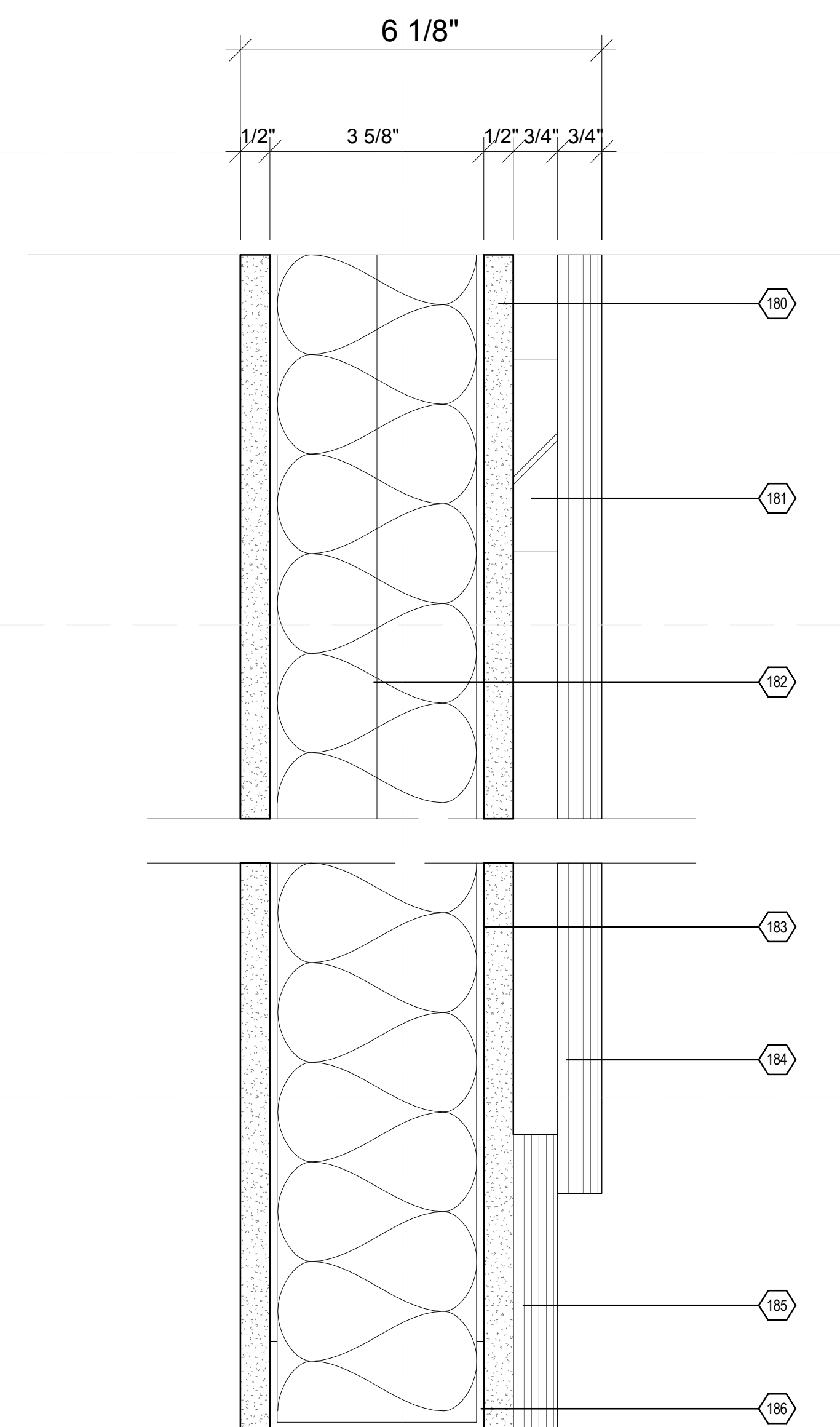
SCALE: 3" = 1'-0"

PLAN #:

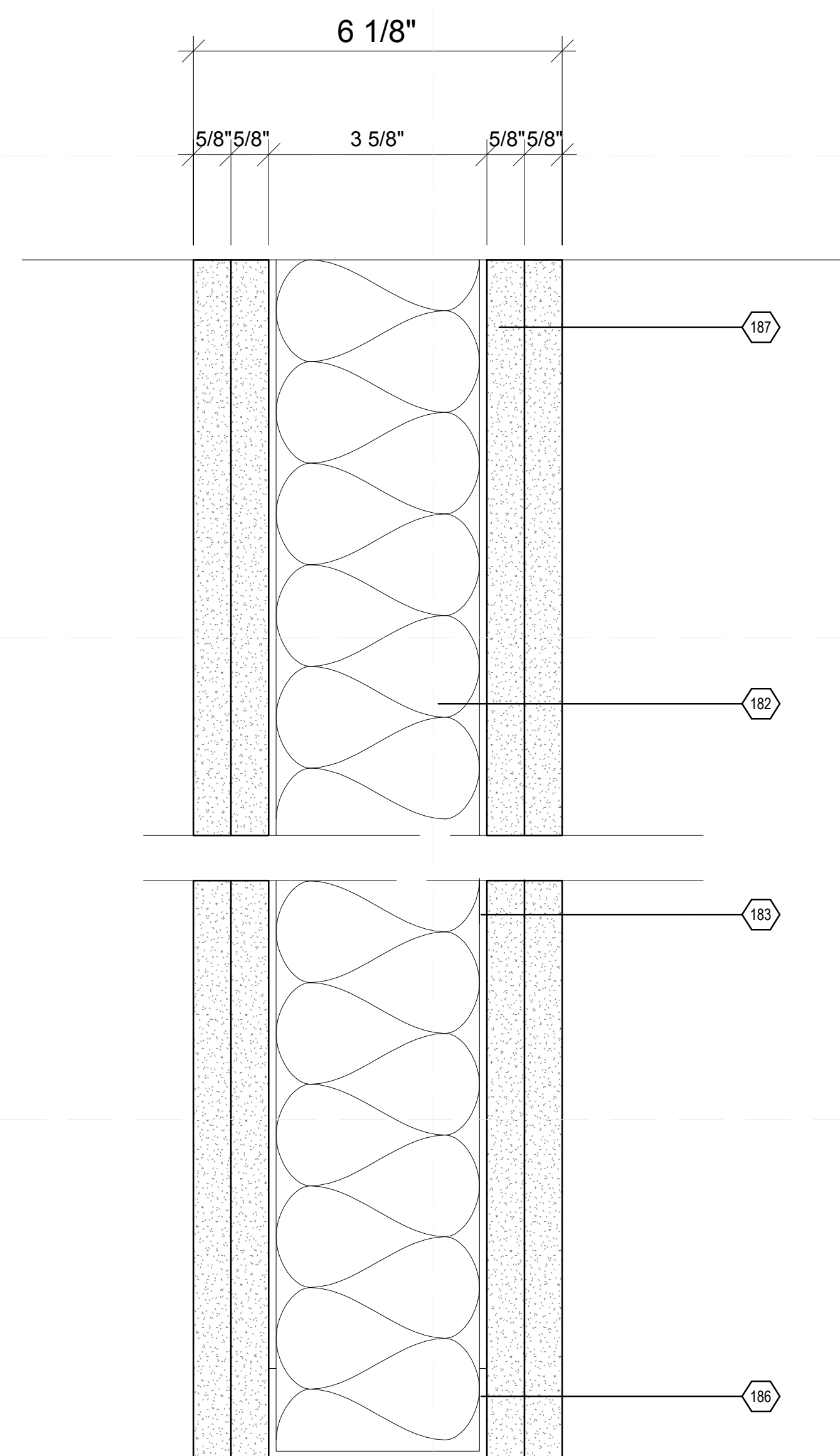
I-603.01

SHEET KEYNOTES

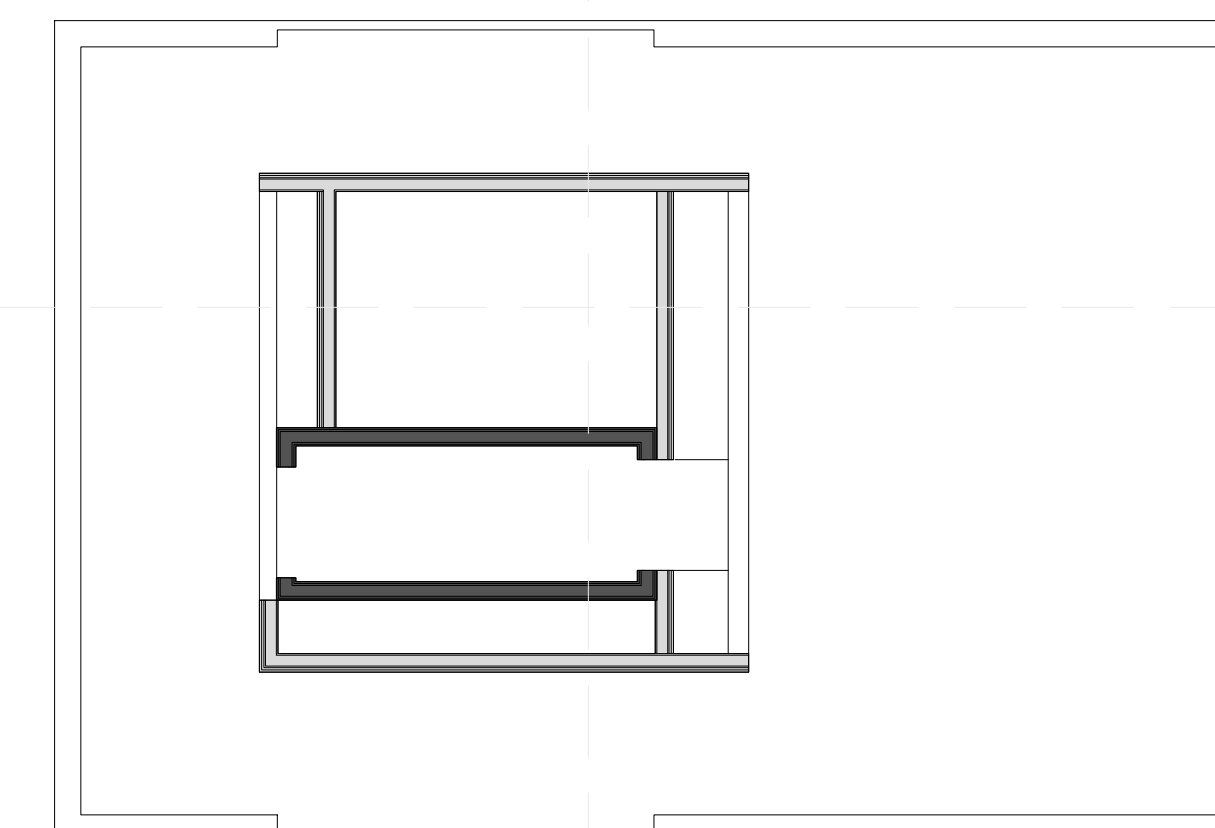
- 180 1/2" GWB
- 181 BLOCKING
- 182 3" BATT INSULATION
- 183 3 5/8" MTL STEEL STUD
- 184 PLYWOOD PANELING
- 185 PLYWOOD TOE KICK
- 186 3 5/8" MTL STEEL TRACK ANCHORED TO FLOOR
- 187 5/8" GWB, TYPE X, 2 LAYERS ON BOTH SIDES



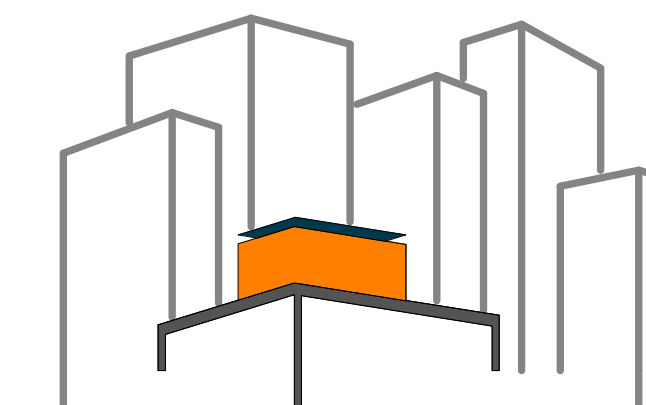
B1 PARTITION TYPE 1, NON-RATED
6" = 1'-0"
0 1" 2" 3" 4"



B4 PARTITION TYPE 2, 2HR-RATED
6" = 1'-0"
0 1" 2" 3" 4"



TYPE 1, NON-RATED TYPE 2, 2HR-RATED



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: SAMUEL MIKHAIL

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:43:54 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
RENDERING- LIVING
ROOM

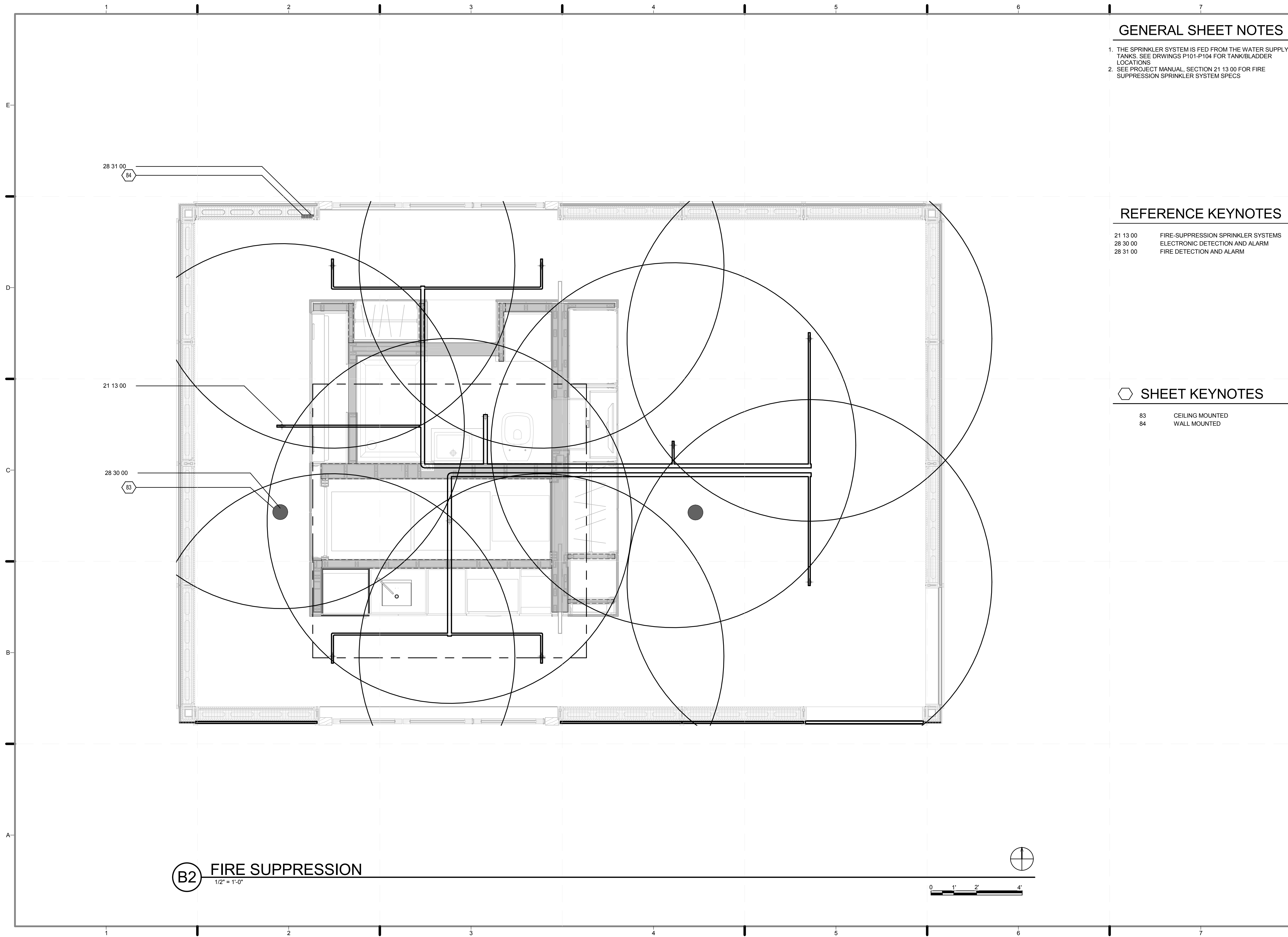
SCALE: **NTS**

PLAN #:

I-901.01



B1 LIVING ROOM
12" = 1'-0"



GENERAL SHEET NOTES

1. THE SPRINKLER SYSTEM IS FED FROM THE WATER SUPPLY TANKS. SEE DRAWINGS P101-P104 FOR TANK/BLADDER LOCATIONS
2. SEE PROJECT MANUAL, SECTION 21 13 00 FOR FIRE SUPPRESSION SPRINKLER SYSTEM SPECS

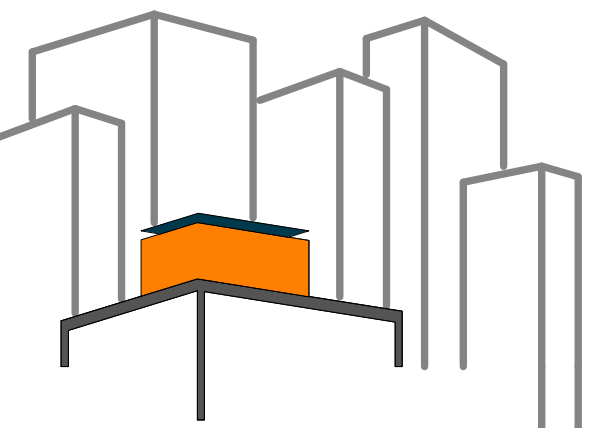
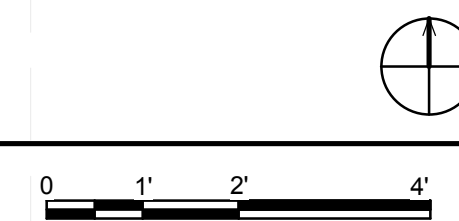
REFERENCE KEYNOTES

- | | |
|----------|------------------------------------|
| 21 13 00 | FIRE-SUPPRESSION SPRINKLER SYSTEMS |
| 28 30 00 | ELECTRONIC DETECTION AND ALARM |
| 28 31 00 | FIRE DETECTION AND ALARM |

SHEET KEYNOTES

- | | |
|----|-----------------|
| 83 | CEILING MOUNTED |
| 84 | WALL MOUNTED |

B2 FIRE SUPPRESSION
1/2" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME
2 8/8/2011 ADDED A SPRINKLER IN THE BATHROOM

LOT NUMBER: 403
DRAWN BY: **CARLOS MATUTE**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:38:15 PM**

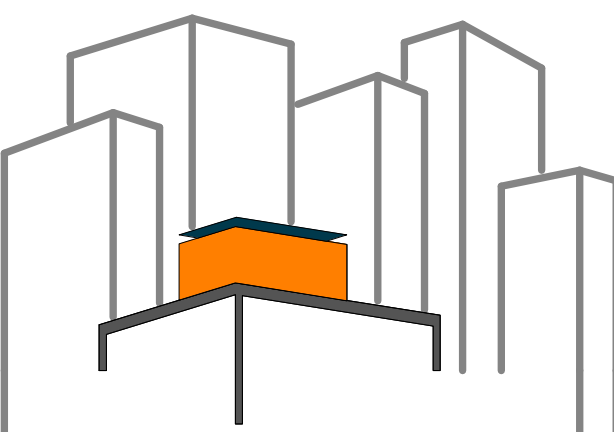
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
FIRE SUPPRESSION AND DETECTION PLAN

SCALE: **1/2" = 1'-0"**

PLAN #:

F-102.02



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

FIRE PROTECTION SCHEDULE						
MARK	TYPE	MANUFACTURER / MODEL #	SIZE			NOTES
			WIDTH	HEIGHT	DEPTH	
01	SMOKE DETECTOR	JOHNSON CONTROLS	4.1" DIAMETER	2.1"	4.1" DIAMETER	MOUNTED IN THE DROP CEILING
03	DIRECTIONAL SOUNDER	SYSTEM SENSOR	4"	2.1"	4.1" DIAMETER	FLUSH MOUTH TO WALL
04	FIRE SPRINKLER	LUBRIZOL			UP TO 1.5 RADIOUS	

LOT NUMBER: 403

DRAWN BY: **CARLOS MATUTE**

CHECKED BY: **CHRISTIAN VOLKMANN**

DATE: **8/12/2011 10:38:16 PM**

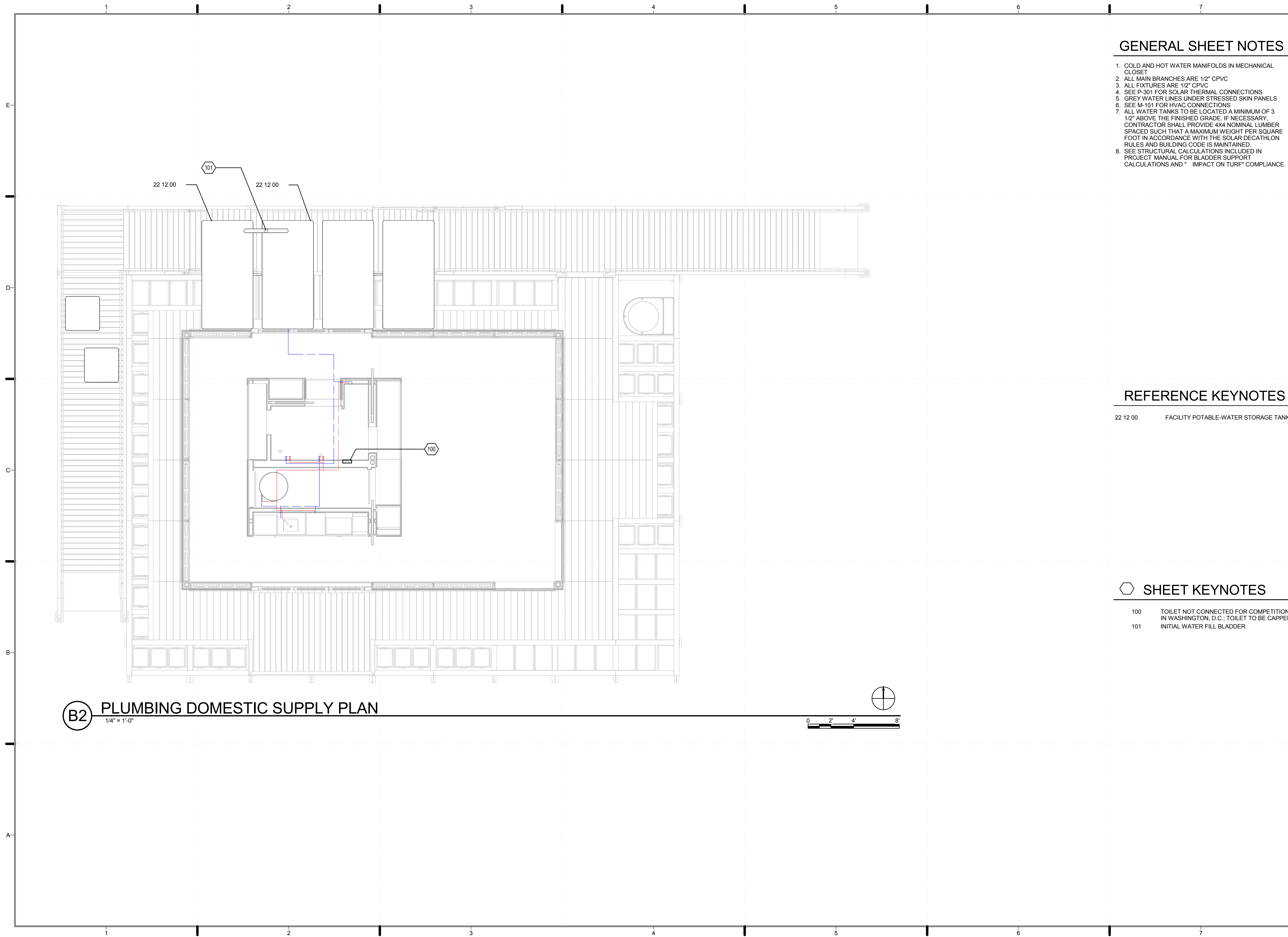
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
FIRE PROTECTION
SCHEDULES

SCALE: **NTS**

PLAN #:

F-601.01



B2 PLUMBING DOMESTIC SUPPLY PLAN
 1/4" = 1'-0"

GENERAL SHEET NOTES

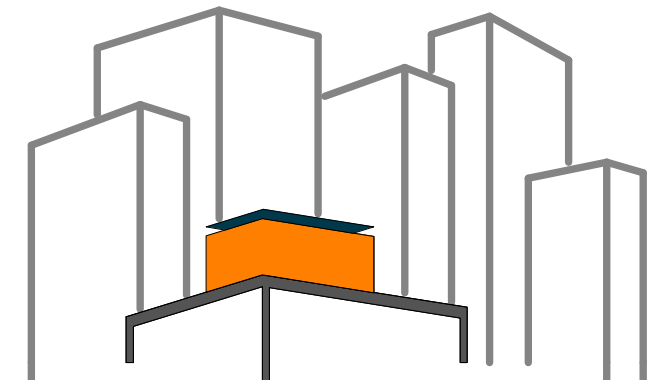
1. COLD AND HOT WATER MANIFOLDS IN MECHANICAL CLOSET
2. ALL MAIN BRANCHES ARE 1/2" CPVC
3. ALL FIXTURES ARE 1/2" CPVC
4. SEE P-301 FOR SOLAR THERMAL CONNECTIONS
5. GREY WATER LINES UNDER STRESSED SKIN PANELS
6. SEE M-101 FOR HVAC CONNECTIONS
7. ALL WATER TANKS TO BE LOCATED A MINIMUM OF 3 1/2" ABOVE THE FINISHED GRADE. IF NECESSARY, CONTRACTOR SHALL PROVIDE 4X4 NOMINAL LUMBER SPACED SUCH THAT A MAXIMUM WEIGHT PER SQUARE FOOT IN ACCORDANCE WITH THE SOLAR DECATHLON RULES AND BUILDING CODE IS MAINTAINED.
8. SEE STRUCTURAL CALCULATIONS INCLUDED IN PROJECT MANUAL FOR BLADDER SUPPORT CALCULATIONS AND "IMPACT ON TURF" COMPLIANCE.

REFERENCE KEYNOTES

22 12 00 FACILITY POTABLE-WATER STORAGE TANKS

SHEET KEYNOTES

- 100 TOILET NOT CONNECTED FOR COMPETITION IN WASHINGTON, D.C.; TOILET TO BE CAPPED
- 101 INITIAL WATER FILL BLADDER



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnystd1@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: OSGUR

CHECKED BY: JEGC

DATE: 8/12/2011 10:49:28 PM

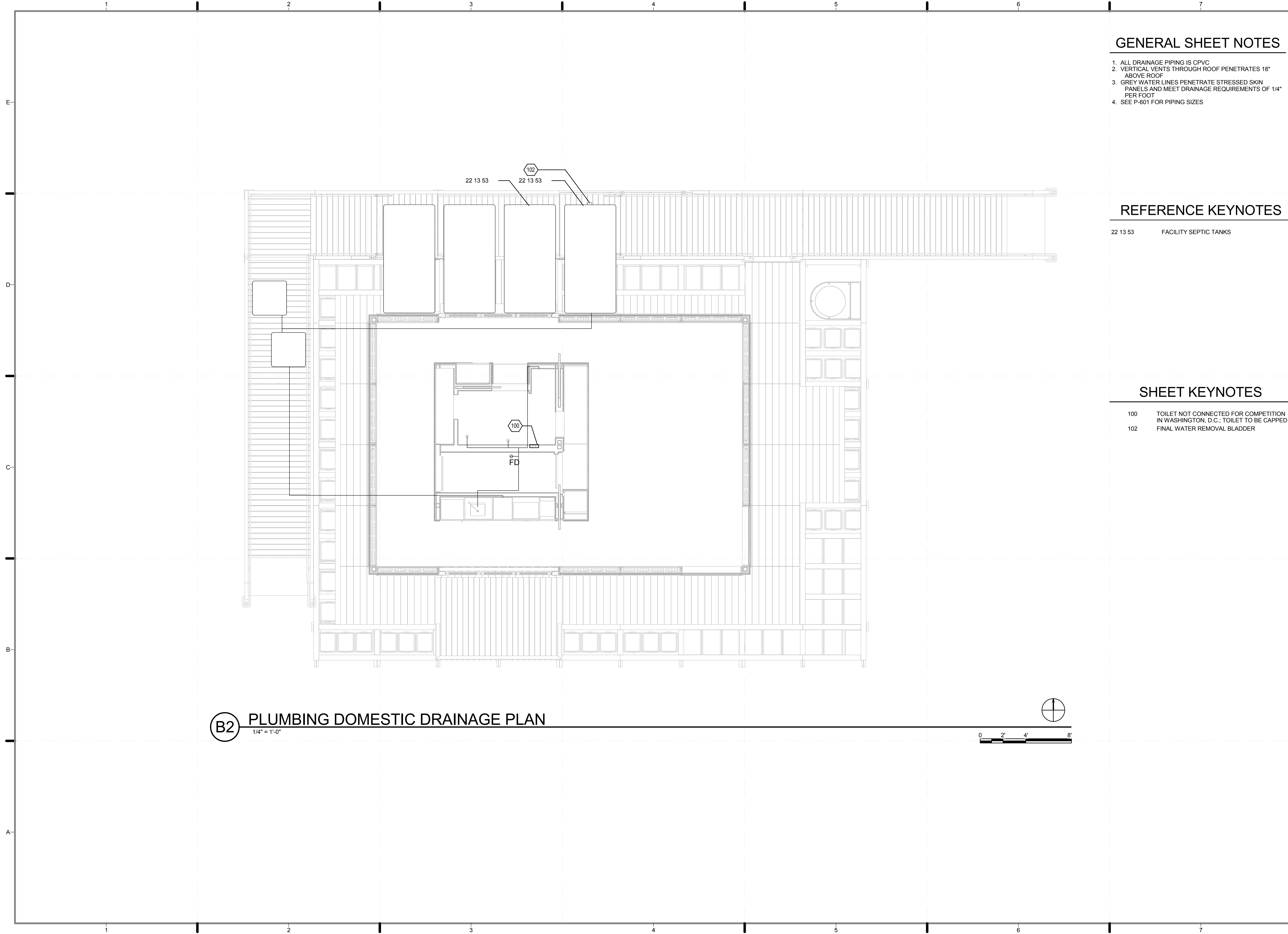
**2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS**

SHEET TITLE:
**DOMESTIC SUPPLY
 PLAN**

SCALE: 1/4" = 1'-0"

PLAN #:

P-101.02



GENERAL SHEET NOTES

1. ALL DRAINAGE PIPING IS CPVC
2. VERTICAL VENTS THROUGH ROOF PENETRATES 18" ABOVE ROOF
3. GREY WATER LINES PENETRATE STRESSED SKIN PANELS AND MEET DRAINAGE REQUIREMENTS OF 1/4" PER FOOT
4. SEE P-601 FOR PIPING SIZES

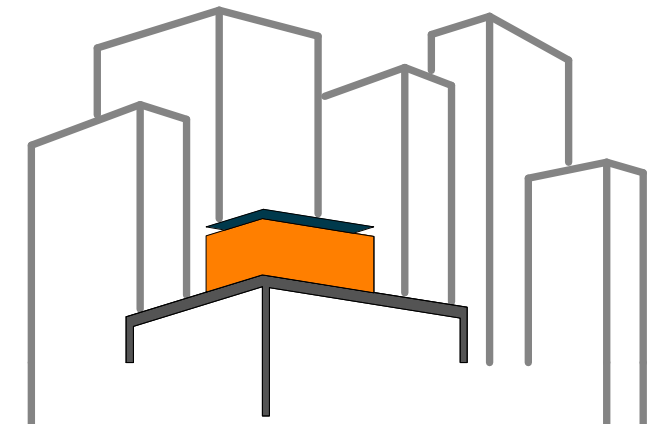
REFERENCE KEYNOTES

22 13 53 FACILITY SEPTIC TANKS

SHEET KEYNOTES

- 100 TOILET NOT CONNECTED FOR COMPETITION IN WASHINGTON, D.C.; TOILET TO BE CAPPED
- 102 FINAL WATER REMOVAL BLADDER

B2 PLUMBING DOMESTIC DRAINAGE PLAN
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

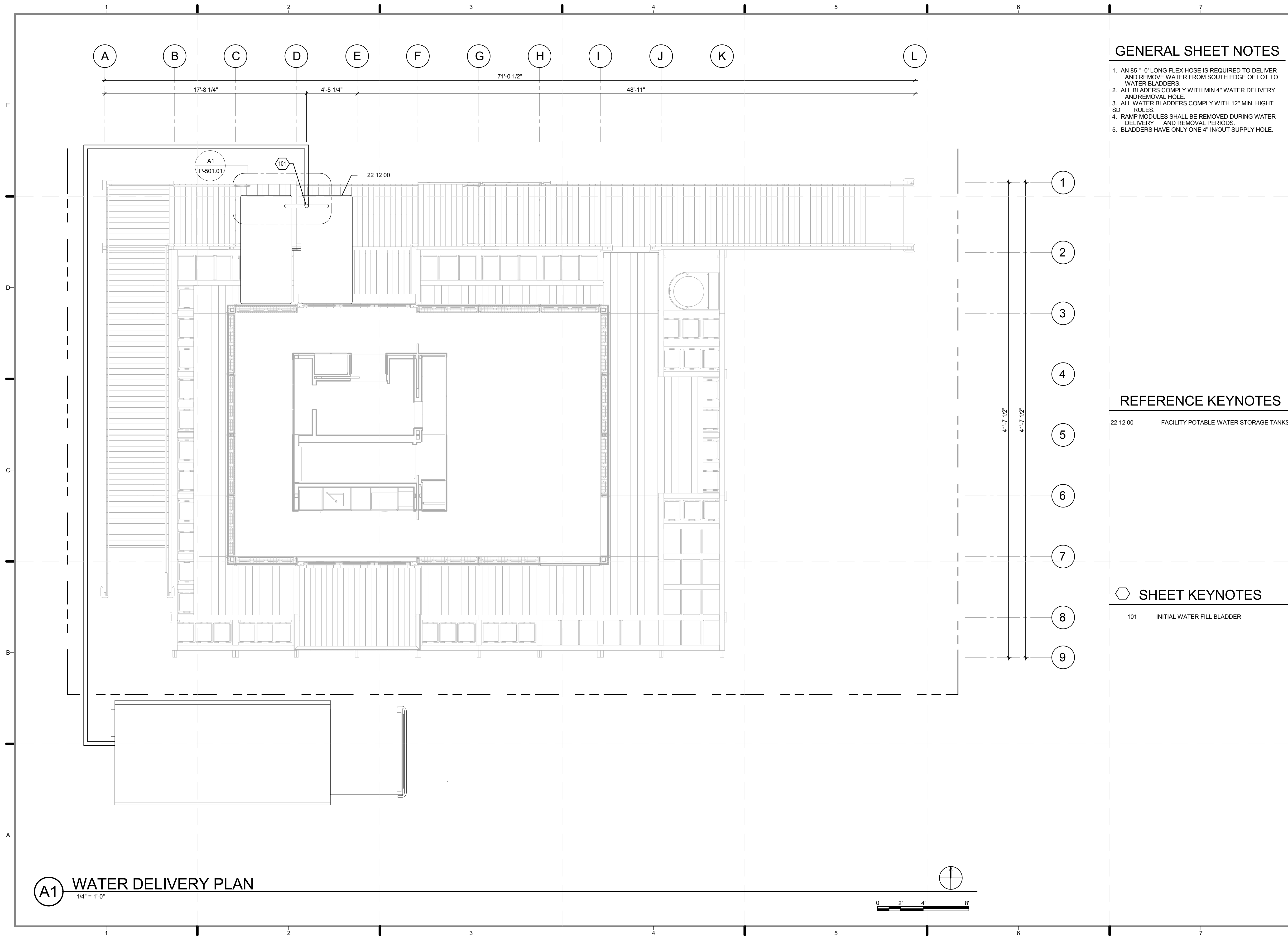
LOT NUMBER: 403
DRAWN BY: OSGUR
CHECKED BY: JEGC
DATE: 8/12/2011 10:49:36 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
PLUMBING DOMESTIC DRAINAGE PLAN

SCALE: 1/4" = 1'-0"
PLAN #:

P-102.02



GENERAL SHEET NOTES

1. AN 85' - 0" LONG FLEX HOSE IS REQUIRED TO DELIVER AND REMOVE WATER FROM SOUTH EDGE OF LOT TO WATER BLADDERS.
2. ALL BLADDERS COMPLY WITH MIN 4" WATER DELIVERY AND REMOVAL HOLE.
3. ALL WATER BLADDERS COMPLY WITH 12" MIN. HIGH SD RULES.
4. RAMP MODULES SHALL BE REMOVED DURING WATER DELIVERY AND REMOVAL PERIODS.
5. BLADDERS HAVE ONLY ONE 4" IN/OUT SUPPLY HOLE.

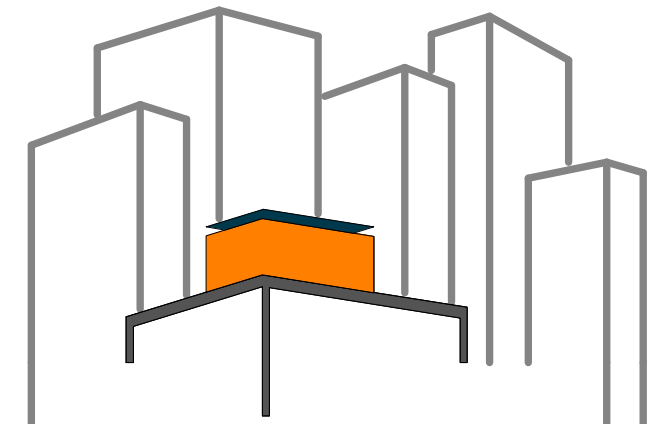
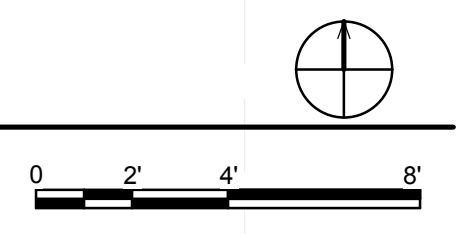
REFERENCE KEYNOTES

22 12 00 FACILITY POTABLE-WATER STORAGE TANKS

SHEET KEYNOTES

101 INITIAL WATER FILL BLADDER

A1 WATER DELIVERY PLAN
1/4" = 1'-0"



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: MARY DOUMAS

CHECKED BY: JEGC

DATE: 8/12/2011 10:49:44 PM

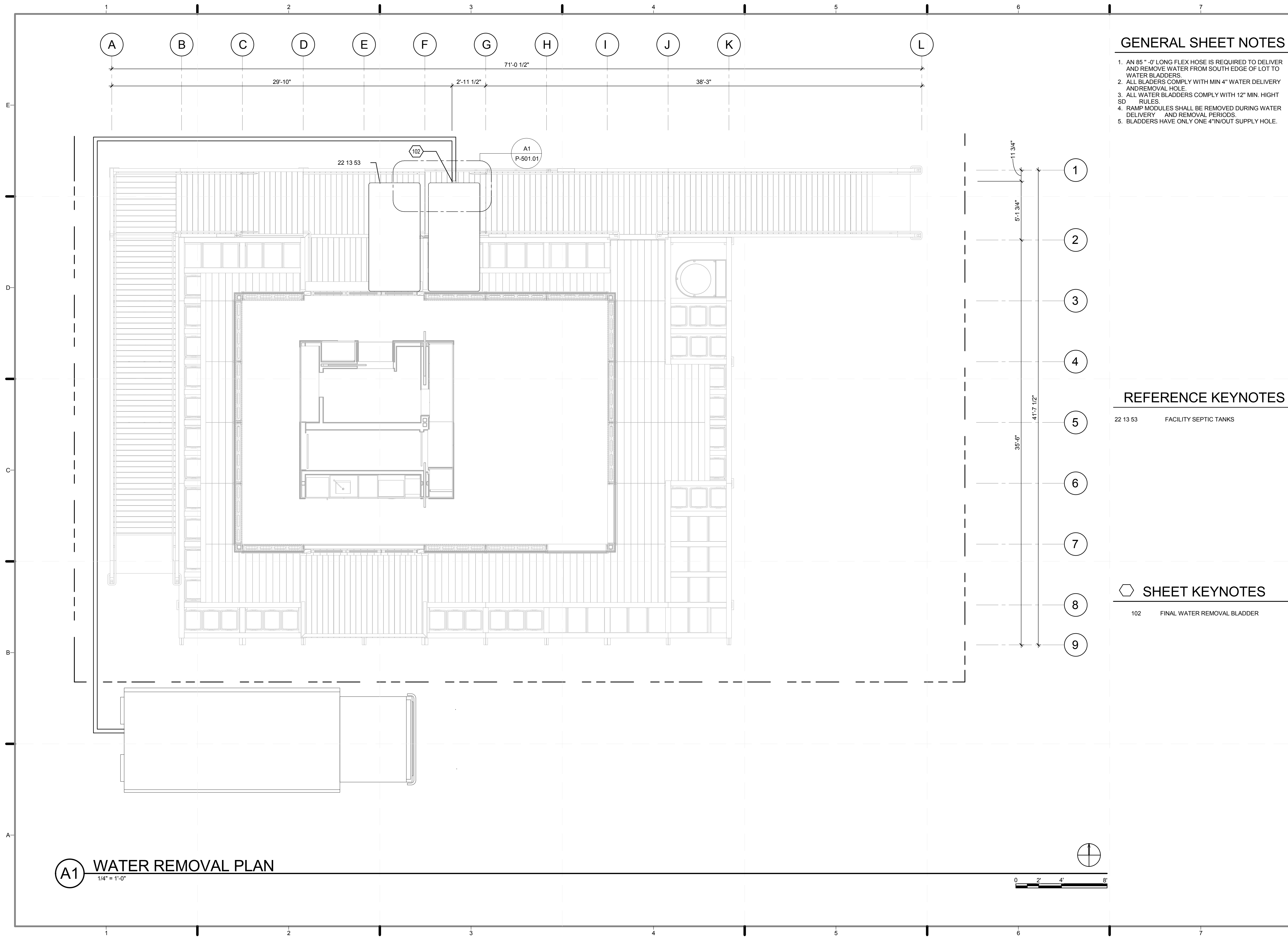
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
WATER DELIVERY
PLAN

SCALE: 1/4" = 1'-0"

PLAN #:

P-103.01



GENERAL SHEET NOTES

1. AN 85' - 0" LONG FLEX HOSE IS REQUIRED TO DELIVER AND REMOVE WATER FROM SOUTH EDGE OF LOT TO WATER BLADDERS.
2. ALL BLADDERS COMPLY WITH MIN 4" WATER DELIVERY AND REMOVAL HOLE.
3. ALL WATER BLADDERS COMPLY WITH 12" MIN. HIGH SD RULES.
4. RAMP MODULES SHALL BE REMOVED DURING WATER DELIVERY AND REMOVAL PERIODS.
5. BLADDERS HAVE ONLY ONE 4" IN/OUT SUPPLY HOLE.

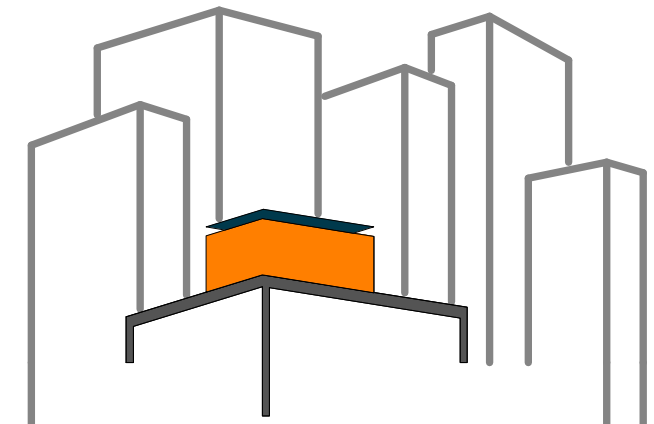
REFERENCE KEYNOTES

22 13 53 FACILITY SEPTIC TANKS

SHEET KEYNOTES

102 FINAL WATER REMOVAL BLADDER

A1 WATER REMOVAL PLAN
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:49:52 PM**

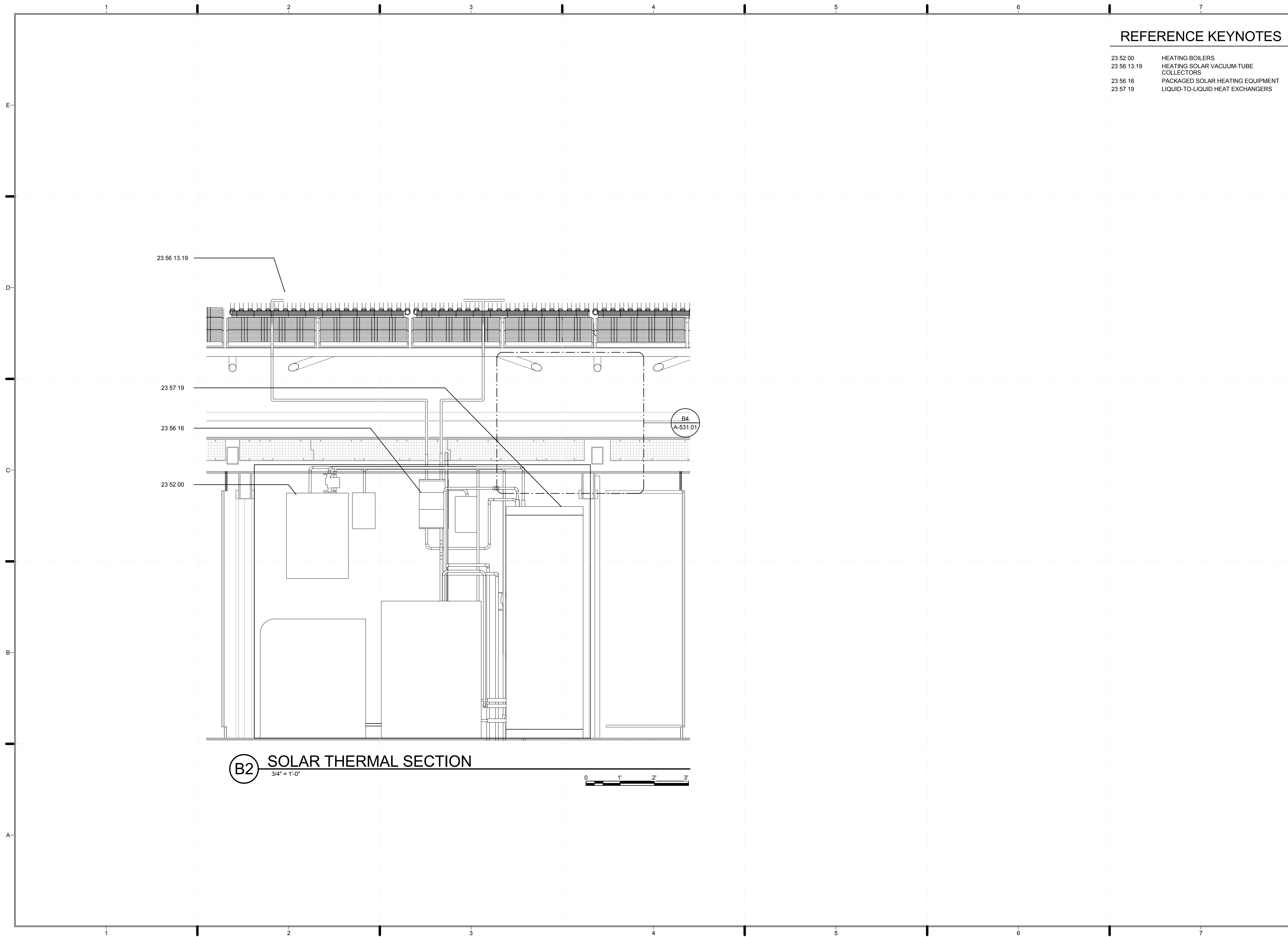
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
WATER REMOVAL PLAN

SCALE: **1/4" = 1'-0"**

PLAN #:

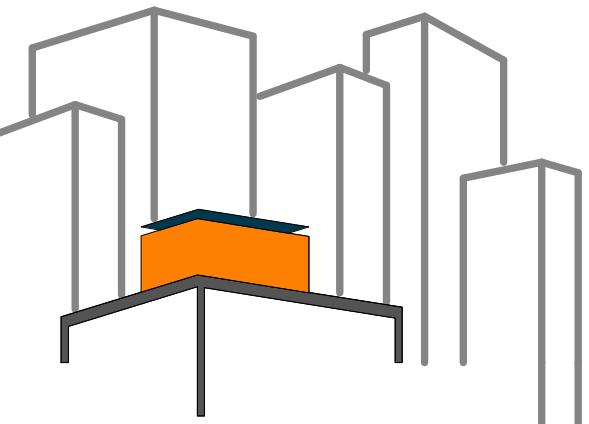
P-104.01



REFERENCE KEYNOTES

- 23 52 00 HEATING BOILERS
- 23 56 13.19 HEATING SOLAR VACUUM-TUBE COLLECTORS
- 23 56 16 PACKAGED SOLAR HEATING EQUIPMENT
- 23 57 19 LIQUID-TO-LIQUID HEAT EXCHANGERS

B2 SOLAR THERMAL SECTION
3/4" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

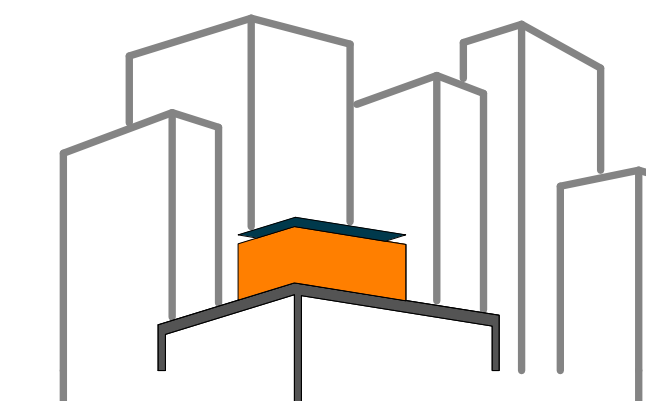
LOT NUMBER: 403
DRAWN BY: MICHAEL CHENG
CHECKED BY: JEGC
DATE: 8/12/2011 10:49:56 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
SOLAR THERMAL SECTION

SCALE: 3/4"=1'-0"
PLAN #:

P-301.01



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnystd1@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

2 8/8/2011 RENAMED SHEET KEY
NOTE 220 FROM RAMP MODULE TO
RAMP SURFACE PLANK

2 8/8/2011 RE-WROTE GENERAL
NOTE NUMBER 4

LOT NUMBER: 403

DRAWN BY: ADRA BUBESI

CHECKED BY: JEGC

DATE: 8/12/2011 10:50:01 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
WATER DELIVERY
DETAILS

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

PLAN #:

P-501.02

GENERAL SHEET NOTES

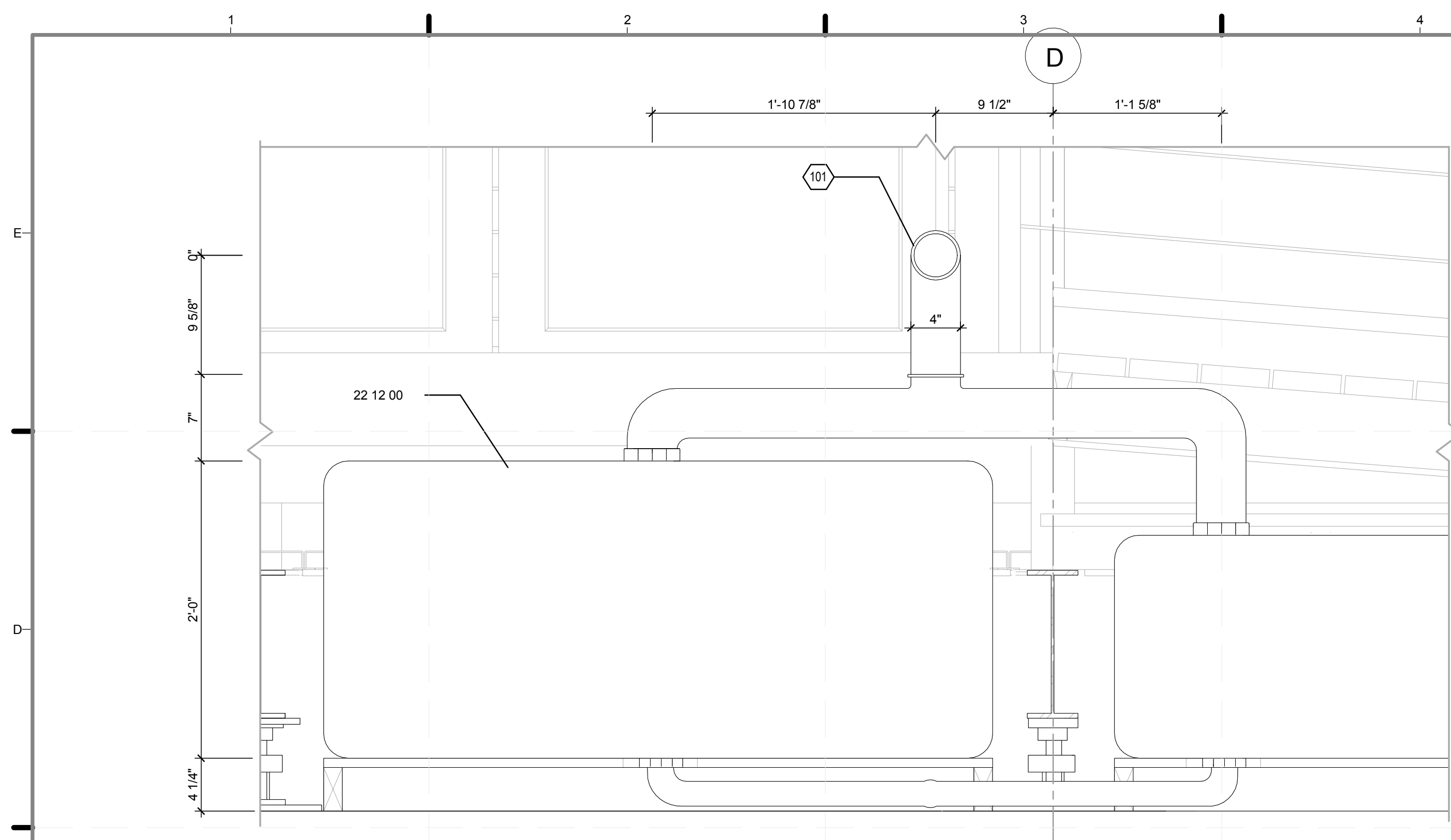
1. AN 85' - 0" LONG FLEX HOSE IS REQUIRED TO DELIVER AND REMOVE WATER FROM SOUTH EDGE OF LOT TO WATER BLADDERS.
2. ALL BLADDERS COMPLY WITH MIN 4" WATER DELIVERY AND REMOVAL HOLE.
3. ALL WATER BLADDERS COMPLY WITH 12" MIN. HEIGHT SD RULES.
4. RAMP SURFACE PLANKS SHALL BE REMOVED DURING WATER DELIVERY AND REMOVAL PERIODS.
5. BLADDERS HAVE ONLY ONE 4" IN/OUT SUPPLY HOLE.

REFERENCE KEYNOTES

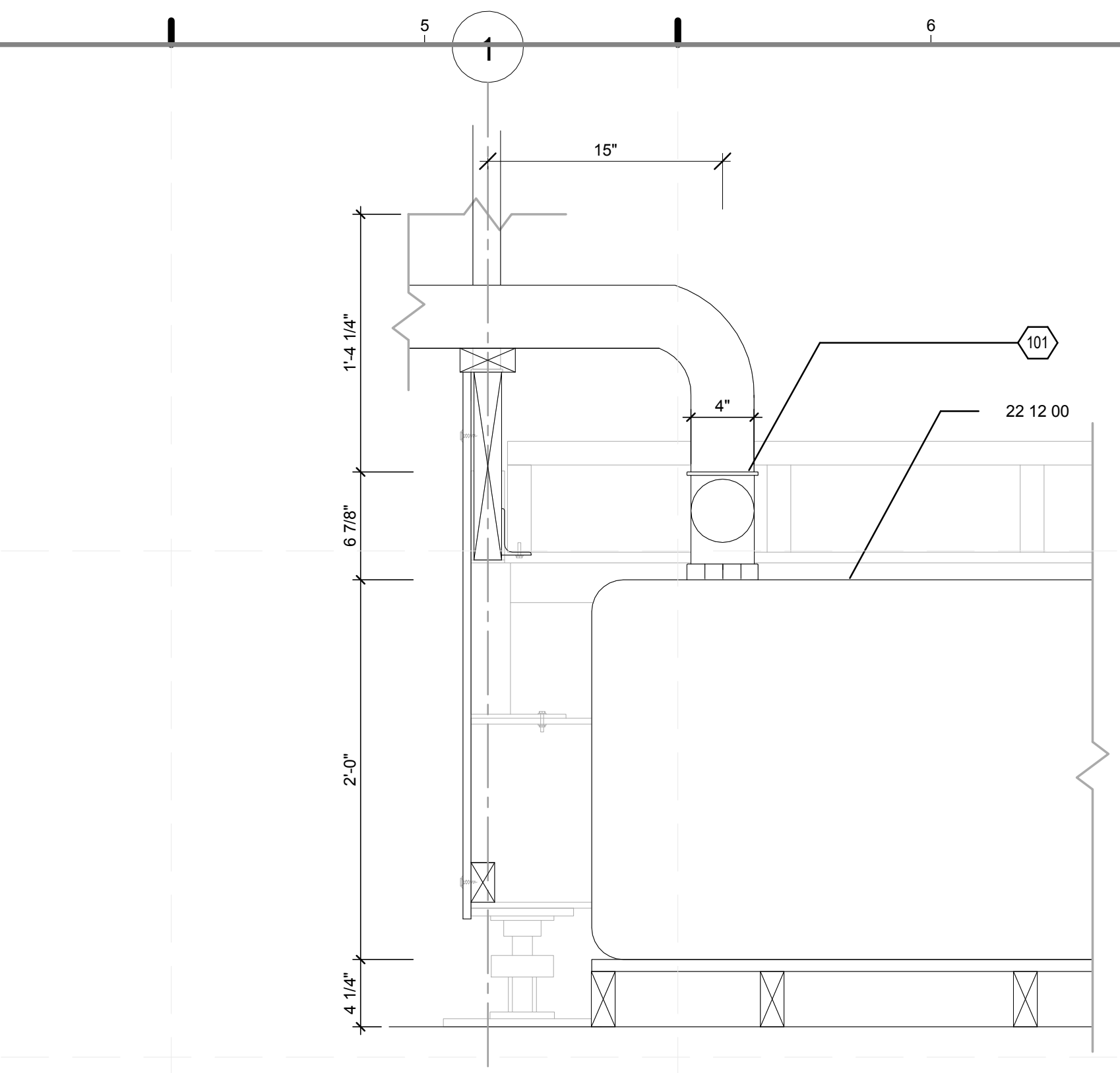
22 12 00 FACILITY POTABLE-WATER STORAGE TANKS

SHEET KEYNOTES

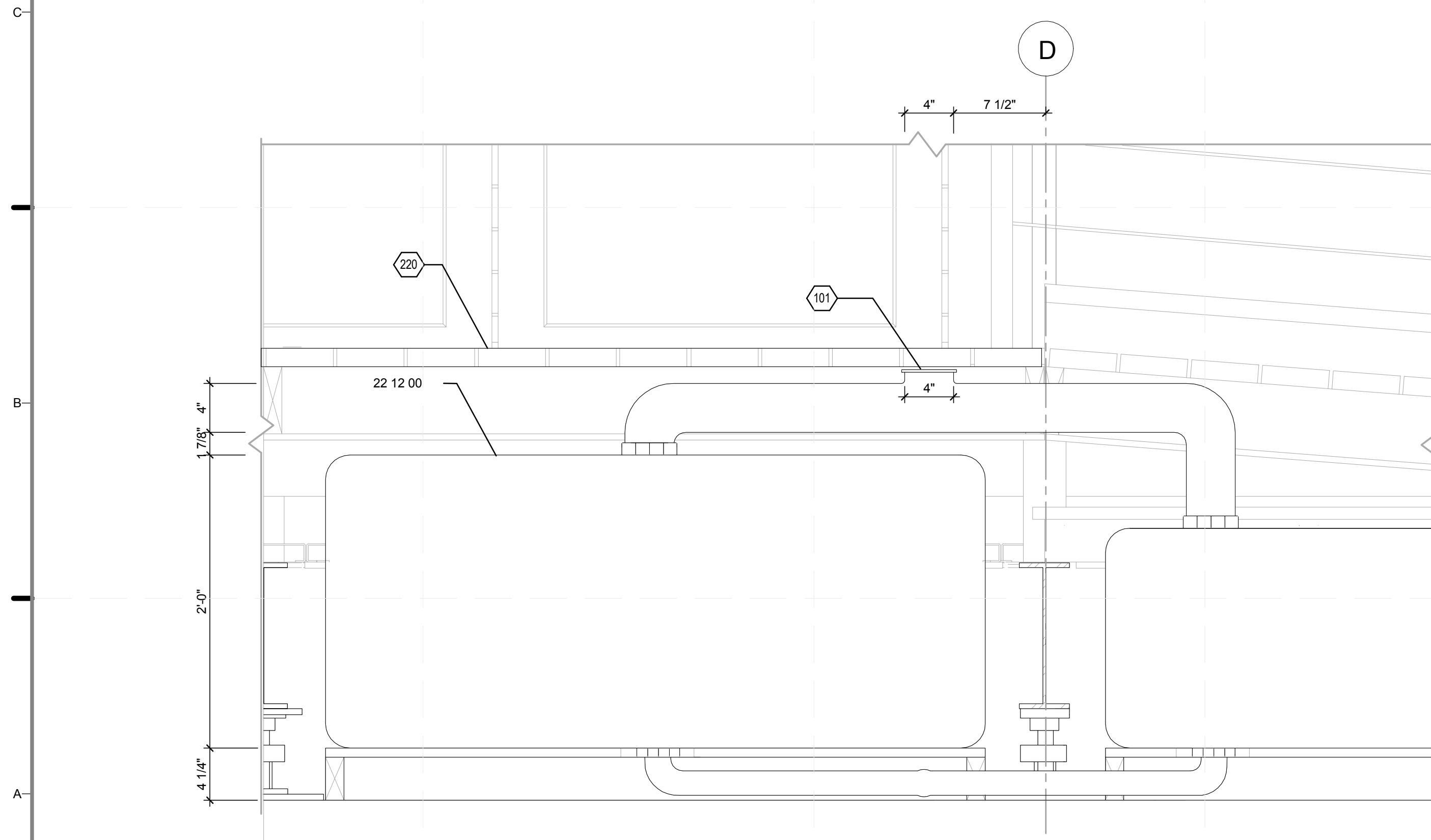
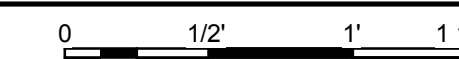
- 101 INITIAL WATER FILL BLADDER
- 220 REMOVABLE RAMP SURFACE PLANK



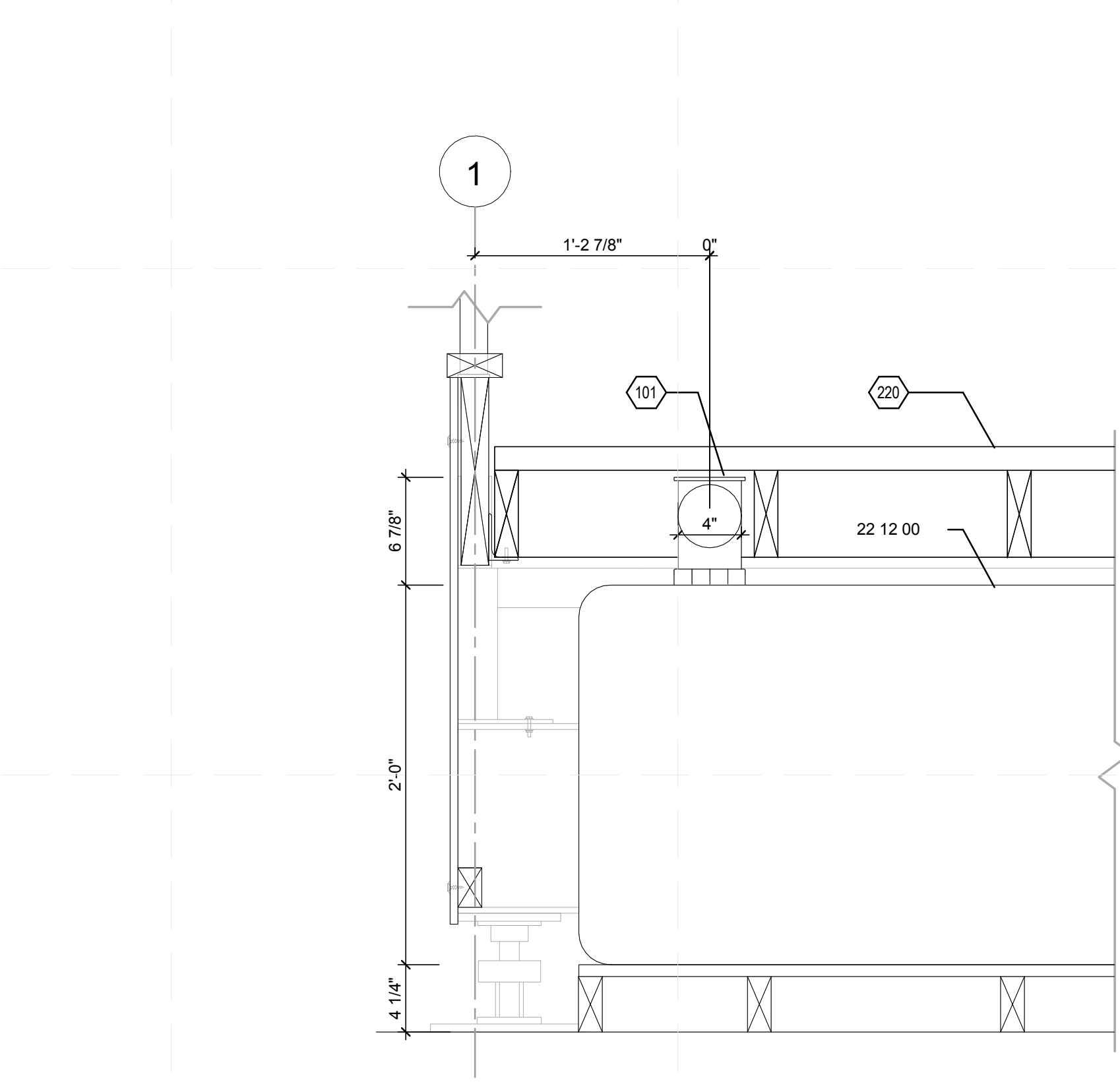
D1 ACTIVE WATER DELIVERY TANK EAST-WEST DETAIL
1 1/2" = 1'-0"



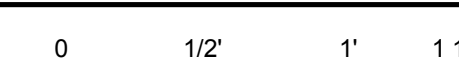
D5 ACTIVE WATER DELIVERY NORTH-SOUTH DETAIL
1 1/2" = 1'-0"

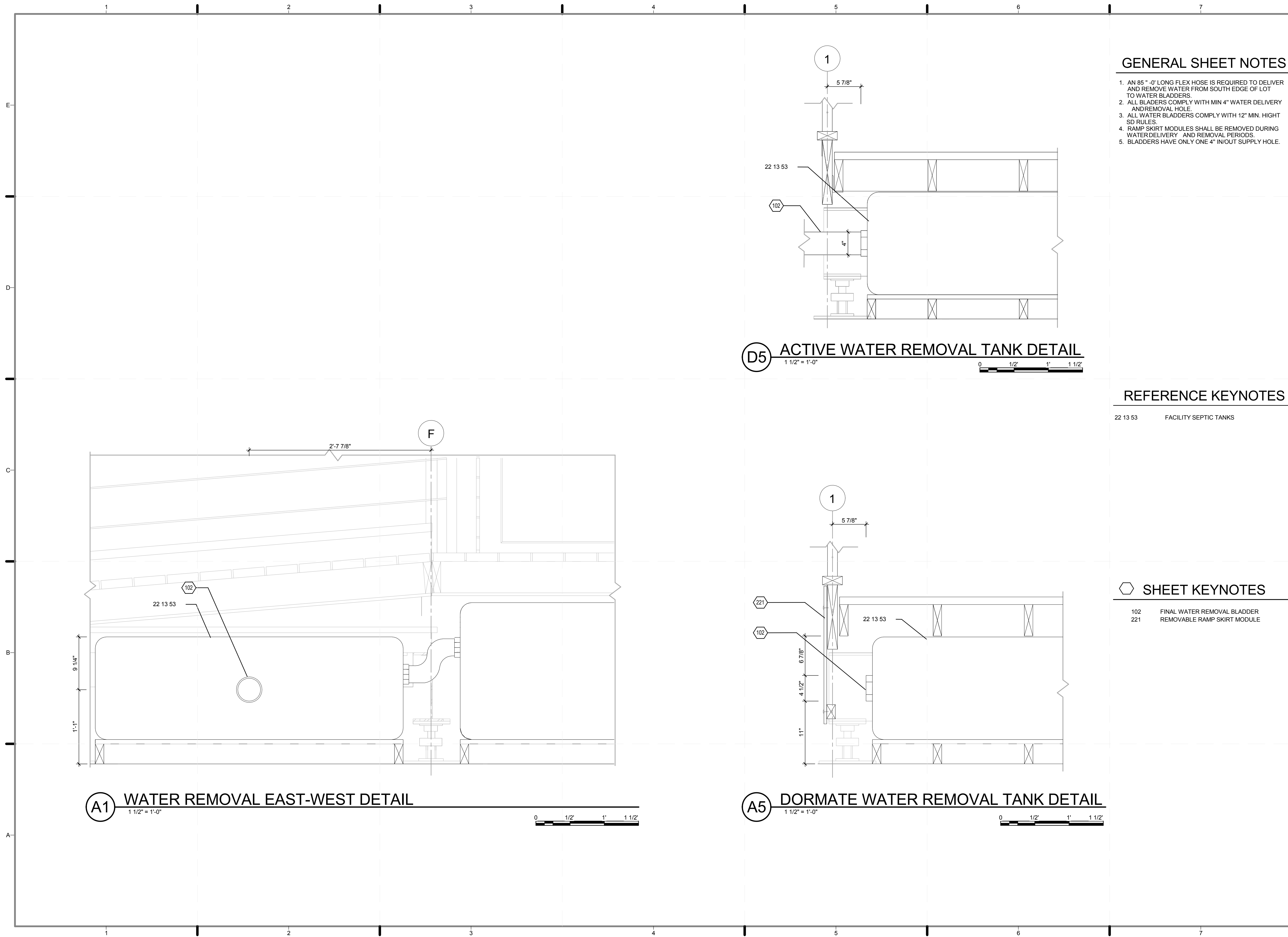


A1 DORMANT WATER DELIVERY TANK EAST-WEST DETAIL
1 1/2" = 1'-0"



A5 DORMANT WATER DELIVERY TANK NORTH-SOUTH DETAIL
1 1/2" = 1'-0"





GENERAL SHEET NOTES

1. AN 85' - 0" LONG FLEX HOSE IS REQUIRED TO DELIVER AND REMOVE WATER FROM SOUTH EDGE OF LOT TO WATER BLADDERS.
2. ALL BLADDERS COMPLY WITH MIN 4" WATER DELIVERY AND REMOVAL HOLE.
3. ALL WATER BLADDERS COMPLY WITH 12" MIN. HIGHT SD RULES.
4. RAMP SKIRT MODULES SHALL BE REMOVED DURING WATER DELIVERY AND REMOVAL PERIODS.
5. BLADDERS HAVE ONLY ONE 4" IN/OUT SUPPLY HOLE.

D5 ACTIVE WATER REMOVAL TANK DETAIL
 1 1/2" = 1'-0"

REFERENCE KEYNOTES

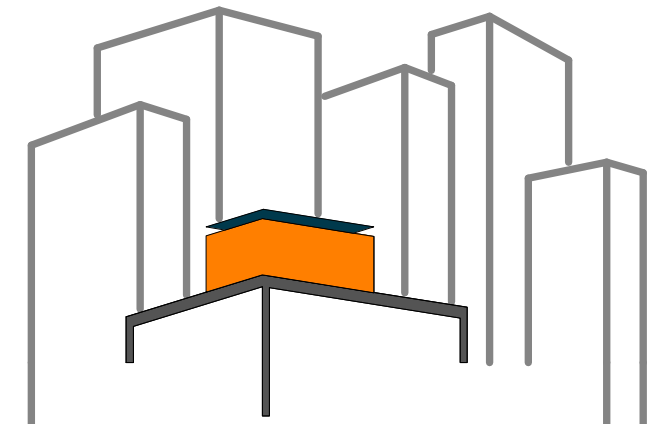
22 13 53 FACILITY SEPTIC TANKS

SHEET KEYNOTES

102 FINAL WATER REMOVAL BLADDER
 221 REMOVABLE RAMP SKIRT MODULE

A1 WATER REMOVAL EAST-WEST DETAIL
 1 1/2" = 1'-0"

A5 DORMATE WATER REMOVAL TANK DETAIL
 1 1/2" = 1'-0"



www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
 ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

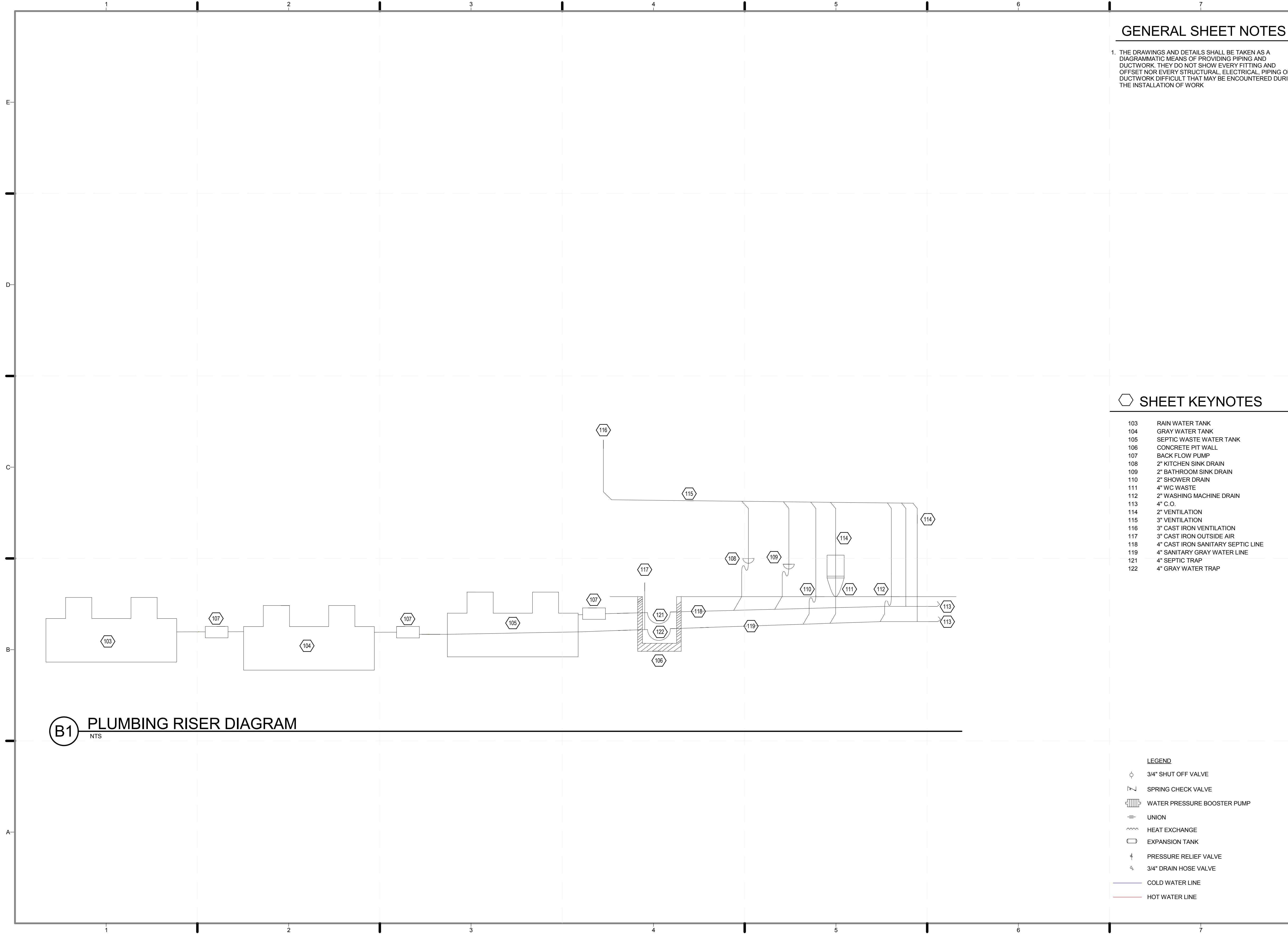
LOT NUMBER: 403
 DRAWN BY: MARY DOUMAS
 CHECKED BY: JEGC
 DATE: 8/12/2011 10:50:05 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 WATER REMOVAL
 DETAILS

SCALE: 1 1/2" = 1'-0"
 PLAN #:

P-502.01



B1 PLUMBING RISER DIAGRAM
NTS

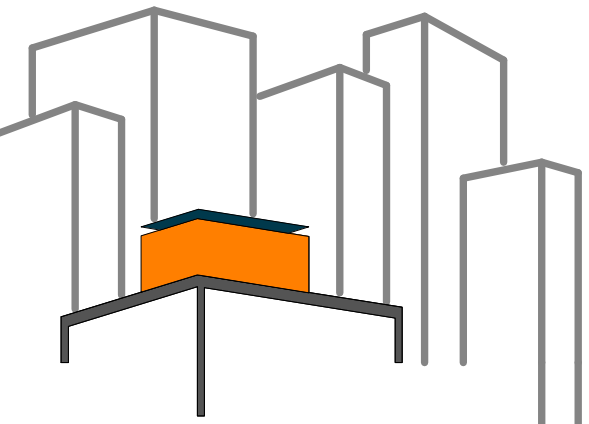
GENERAL SHEET NOTES

1. 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 DIFFICULT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF WORK

SHEET KEYNOTES

- 103 RAIN WATER TANK
- 104 GRAY WATER TANK
- 105 SEPTIC WASTE WATER TANK
- 106 CONCRETE PIT WALL
- 107 BACK FLOW PUMP
- 108 2" KITCHEN SINK DRAIN
- 109 2" BATHROOM SINK DRAIN
- 110 2" SHOWER DRAIN
- 111 4" WC WASTE
- 112 2" WASHING MACHINE DRAIN
- 113 4" C.O.
- 114 2" VENTILATION
- 115 3" VENTILATION
- 116 3" CAST IRON VENTILATION
- 117 3" CAST IRON OUTSIDE AIR
- 118 4" CAST IRON SANITARY SEPTIC LINE
- 119 4" SANITARY GRAY WATER LINE
- 121 4" SEPTIC TRAP
- 122 4" GRAY WATER TRAP

- LEGEND**
- ◇ 3/4" SHUT OFF VALVE
 - ↯ SPRING CHECK VALVE
 - ⊞ WATER PRESSURE BOOSTER PUMP
 - ≡ UNION
 - ⋈ HEAT EXCHANGE
 - EXPANSION TANK
 - ⊥ PRESSURE RELIEF VALVE
 - ⊥ 3/4" DRAIN HOSE VALVE
 - COLD WATER LINE
 - HOT WATER LINE



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

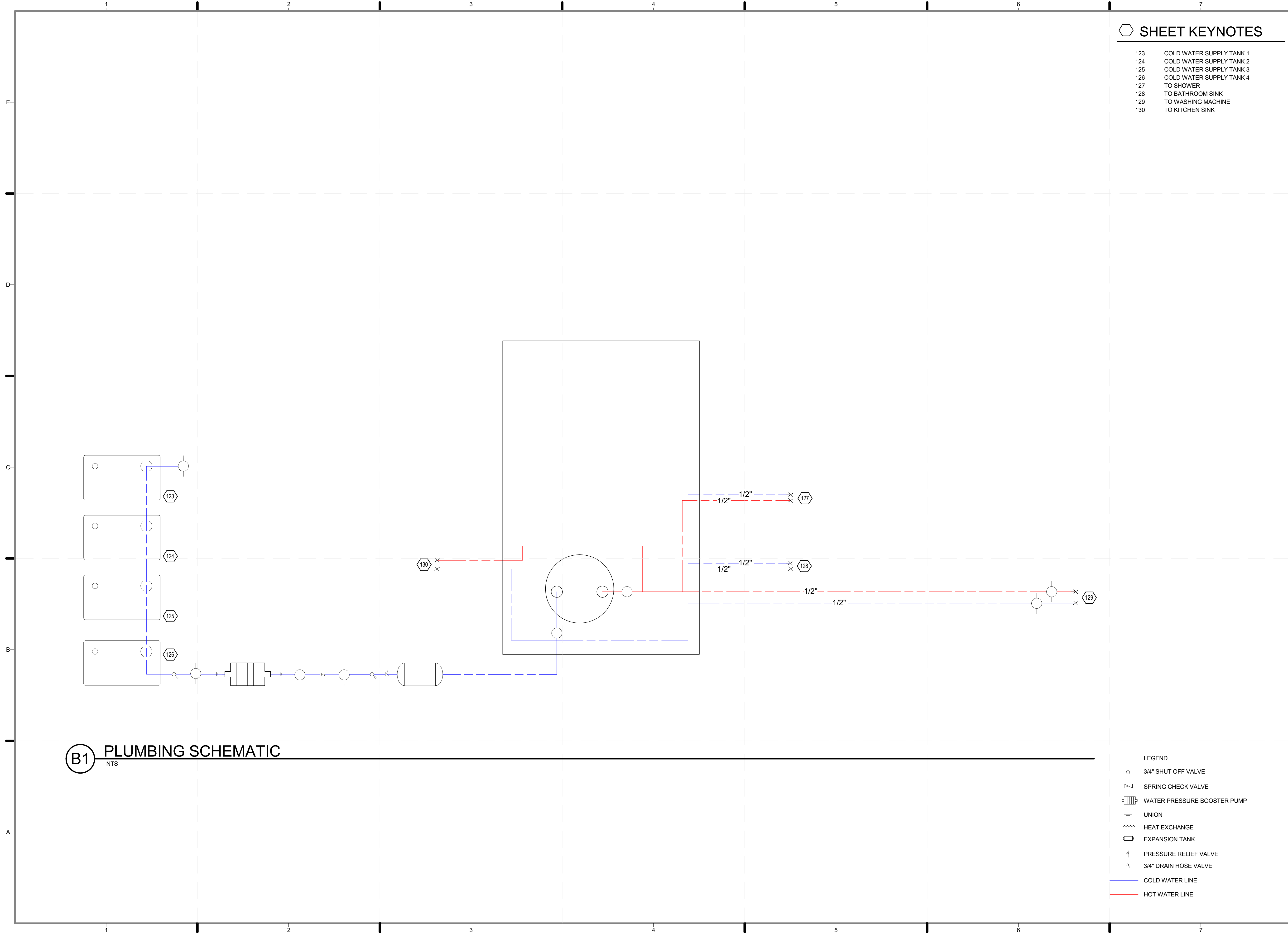
LOT NUMBER: **403**
DRAWN BY: **OSGUR**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:50:08 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
PLUMBING RISER DIAGRAM

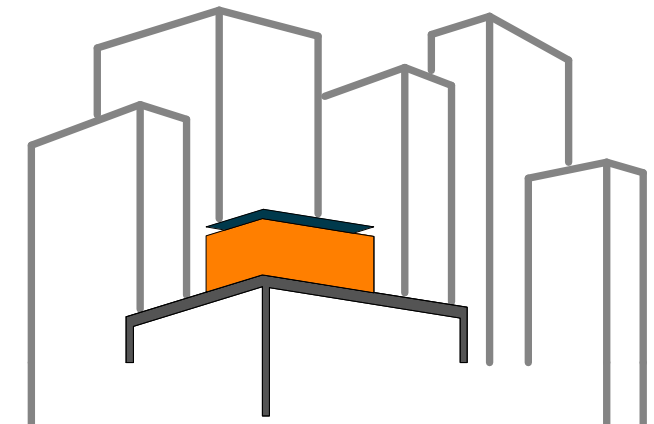
SCALE: **NTS**
PLAN #:

P-601.01



SHEET KEYNOTES

- 123 COLD WATER SUPPLY TANK 1
- 124 COLD WATER SUPPLY TANK 2
- 125 COLD WATER SUPPLY TANK 3
- 126 COLD WATER SUPPLY TANK 4
- 127 TO SHOWER
- 128 TO BATHROOM SINK
- 129 TO WASHING MACHINE
- 130 TO KITCHEN SINK



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **OSGUR**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:50:10 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

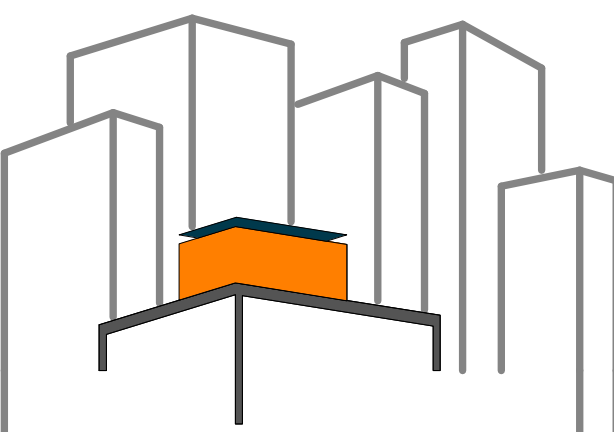
SHEET TITLE:
PLUMBING SCHEMATIC

SCALE: **NTS**
PLAN #:

P-602.01

B1 PLUMBING SCHEMATIC
NTS

- LEGEND**
- ⊘ 3/4" SHUT OFF VALVE
 - ⌞ SPRING CHECK VALVE
 - ☰ WATER PRESSURE BOOSTER PUMP
 - ≡ UNION
 - ⌊ HEAT EXCHANGE
 - EXPANSION TANK
 - ⌋ PRESSURE RELIEF VALVE
 - ⌋ 3/4" DRAIN HOSE VALVE
 - COLD WATER LINE
 - HOT WATER LINE



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **GEORGE FAHIM**

CHECKED BY: **JEGC**

DATE: **8/12/2011 10:50:12 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULE-
EQUIPMENT/
FIXTURES

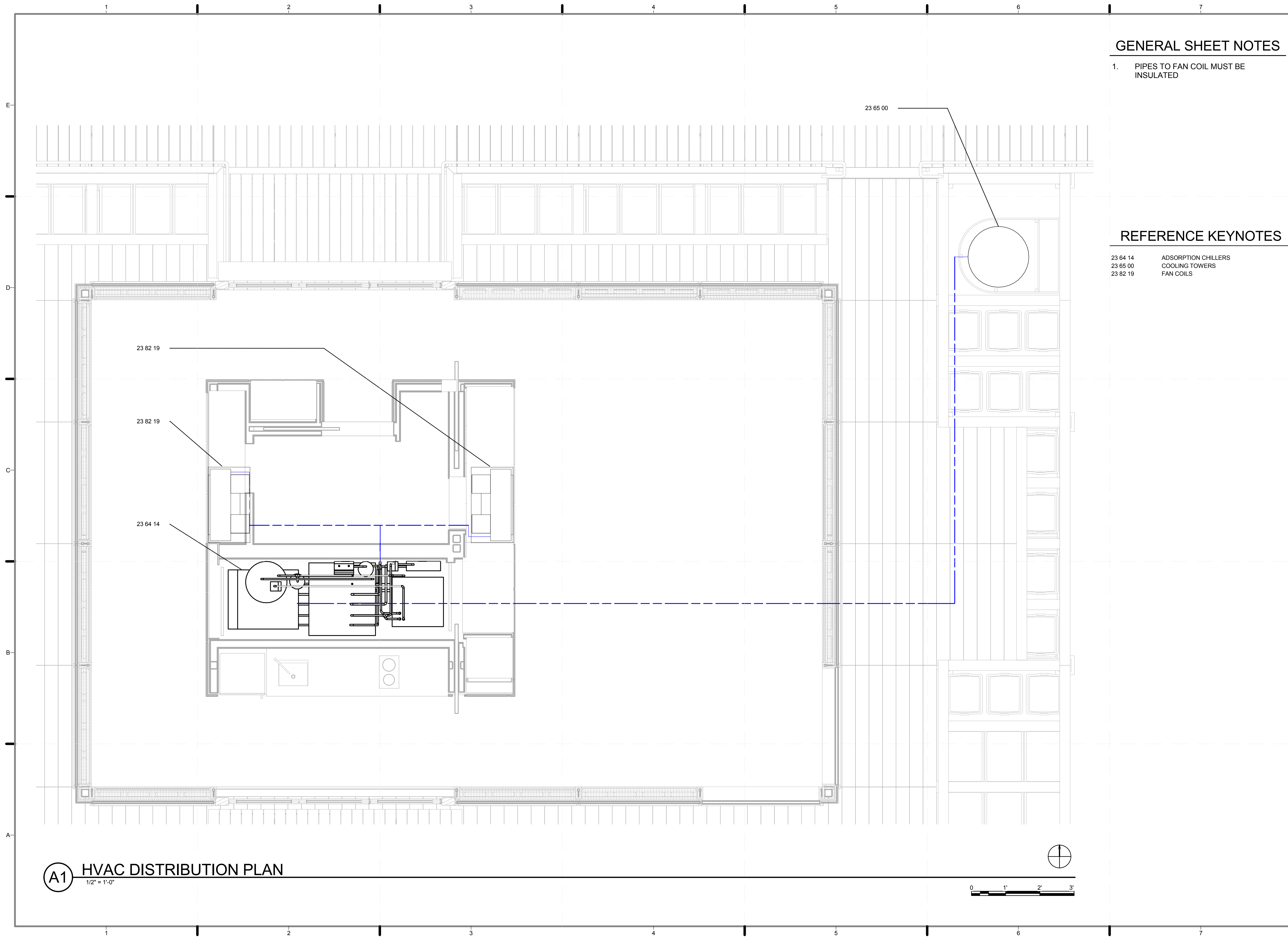
SCALE: **NTS**

PLAN #:

P-604.01

PLUMBING FIXTURE SCHEDULE

	NAME	MANUFACTURER	MODEL NO	DRAINAGE		SUPPLY		STORAGE
				WASTE	VENT	HOT	COLD	
01	KITCHEN SINK	ELKAY	-	0"-2"	AAV	-	-	-
02	KITCHEN FAUCET	WATERMARK	27-7.3-CL14	-	-	0"-1/2"	0"-1/2"	-
03	DISHWASHER	GE	PDW1800NII	0"-2"	-	0"-1/2"	-	-
04	CLOTHES WASHER	GE	WCVH 4800K	0"-2"	AAV	-	0"-1/2"	-
05	BATHROOM SINK	DURAVIT	-	-	-	0"-1/2"	0"-1/2"	-
06	BATHROOM FAUCET	WATERMARK	87-1.2-__ (SPT CTC 8")	0"-1/2"	0"-3"	-	-	-
07	TOILET	DURAVIT	87-1.2TO-__	0"-4"	0"-3"	-	0"-1/2"	-
08	SHOWER HEAD	WATERMARK	HSS-KIT234C	-	-	0"-1/2"	0"-1/2"	-
09	SHOWER MIXING VALVE	WATERMARK	-	-	-	-	-	-
10	SHOWER DRAIN	BRASSTECH	#241-26	0"-3"	0"-3"	-	-	-
11	POTABLE WATER BLADDER	GO-TO-TANKS	#950-025260	-	-	-	-	750
12	SEPTIC WATER BLADDER	GO-TO-TANKS	#950-025250	-	-	-	-	500
13	RAINWATER BLADDER	GO-TO-TANKS	#950GW-75	-	-	-	-	75
14	GREY WATER BLADDER	GO-TO-TANKS	#950GW-75	-	-	-	-	75



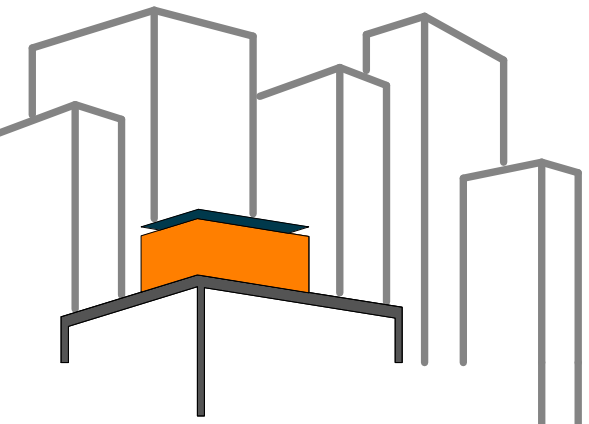
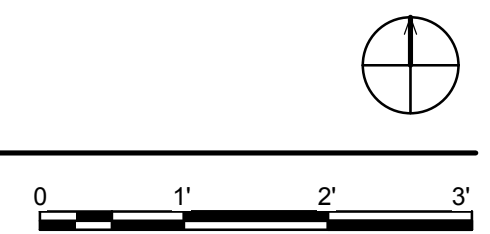
GENERAL SHEET NOTES

- 1. PIPES TO FAN COIL MUST BE INSULATED

REFERENCE KEYNOTES

- 23 64 14 ADSORPTION CHILLERS
- 23 65 00 COOLING TOWERS
- 23 82 19 FAN COILS

(A1) HVAC DISTRIBUTION PLAN
1/2" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: RR
CHECKED BY: JEGC
DATE: 8/12/2011 10:47:59 PM

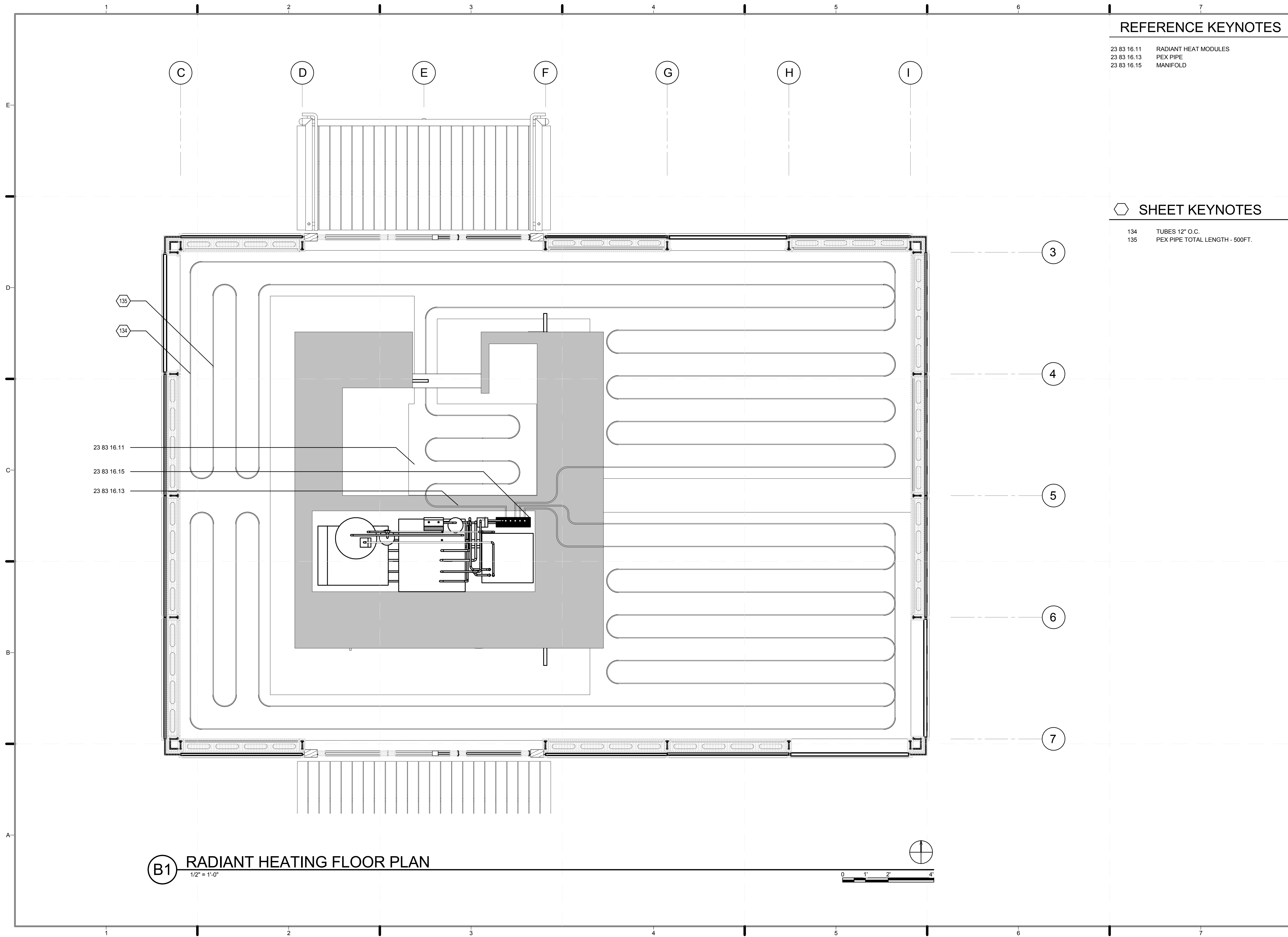
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
HVAC DISTRIBUTION PLAN

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

PLAN #:

M-101.01



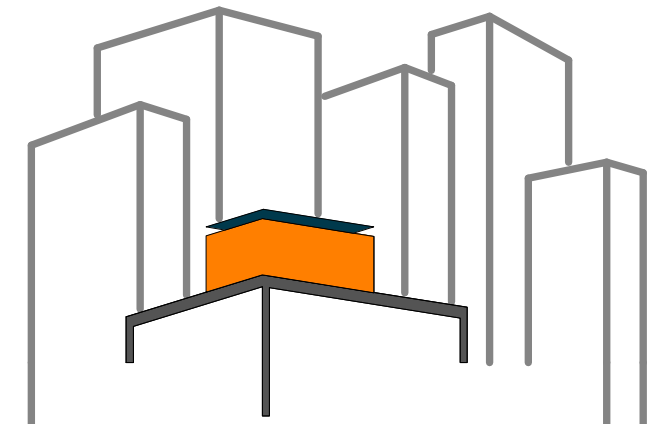
REFERENCE KEYNOTES

23 83 16.11 RADIANT HEAT MODULES
 23 83 16.13 PEX PIPE
 23 83 16.15 MANIFOLD

SHEET KEYNOTES

134 TUBES 12" O.C.
 135 PEX PIPE TOTAL LENGTH - 500FT.

B1 RADIANT HEATING FLOOR PLAN
 1/2" = 1'-0"



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
 ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
 DRAWN BY: ISKRA PETROVA
 CHECKED BY: JEGC
 DATE: 8/12/2011 10:48:05 PM

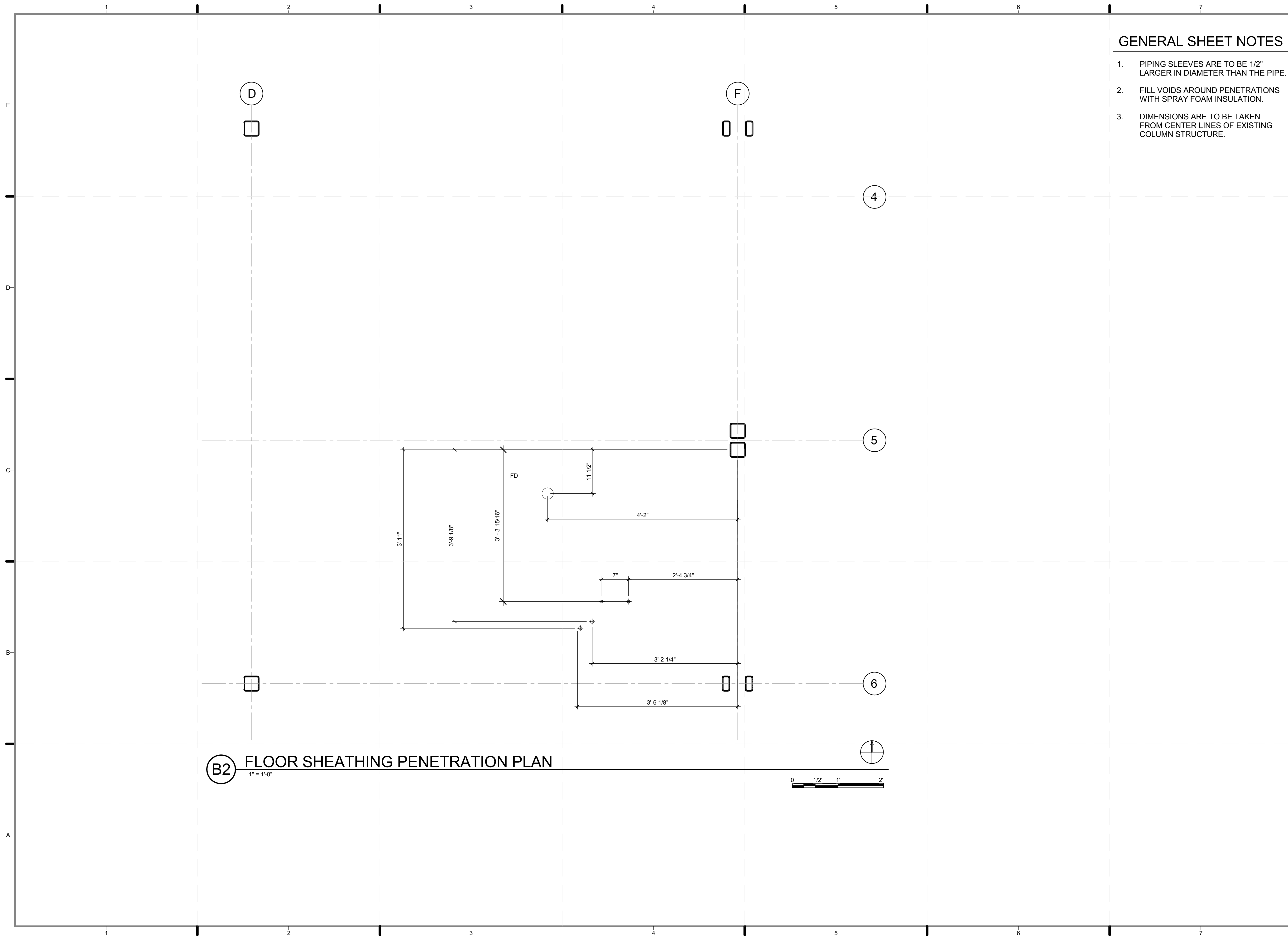
2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 RADIANT HEATING
 PLAN

SCALE: 1/2"=1'

PLAN #:

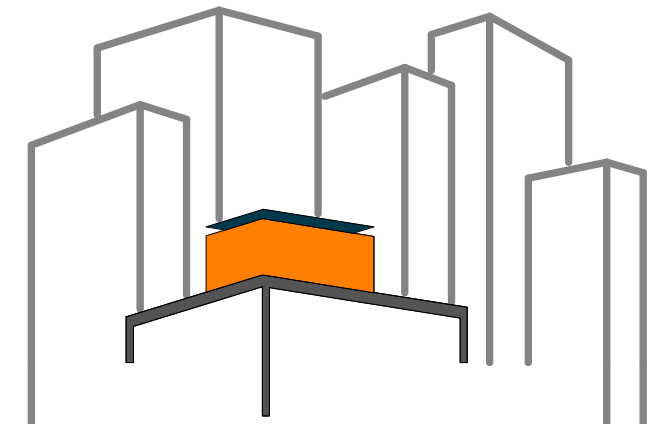
M-102.01



B2 FLOOR SHEATHING PENETRATION PLAN
1" = 1'-0"

GENERAL SHEET NOTES

1. PIPING SLEEVES ARE TO BE 1/2" LARGER IN DIAMETER THAN THE PIPE.
2. FILL VOIDS AROUND PENETRATIONS WITH SPRAY FOAM INSULATION.
3. DIMENSIONS ARE TO BE TAKEN FROM CENTER LINES OF EXISTING COLUMN STRUCTURE.



SOLAR ROOF POD
www.ccnyssolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnyssd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **RR**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:48:07 PM**

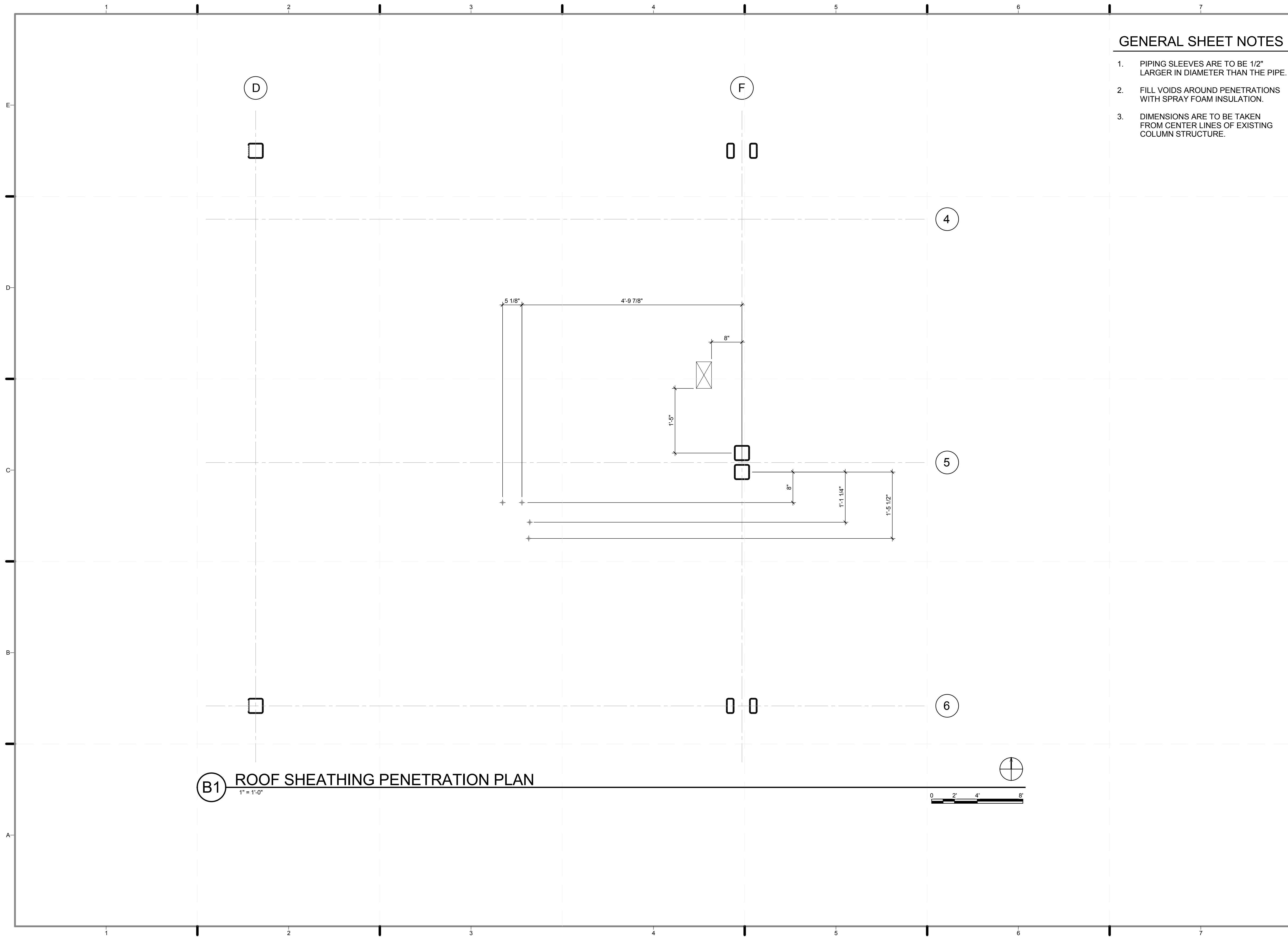
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
SHEATHING PENETRATION LOCATION PLAN - FLOOR

SCALE: **1/2" = 1'-0"**

PLAN #:

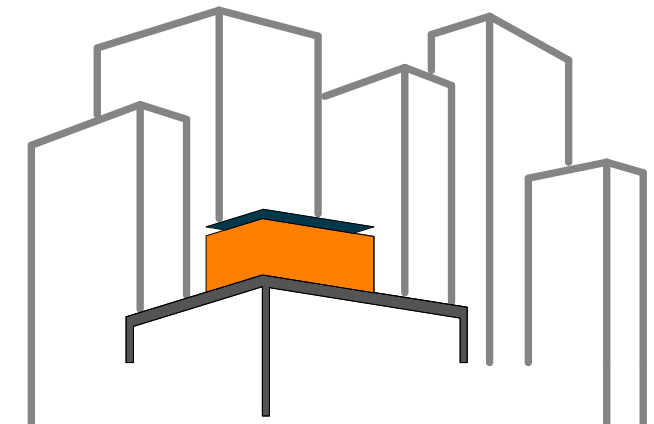
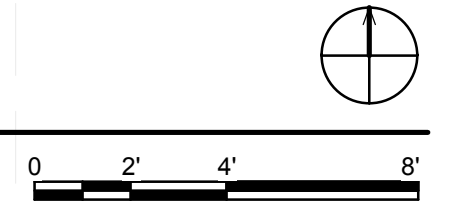
M-103.01



GENERAL SHEET NOTES

1. PIPING SLEEVES ARE TO BE 1/2" LARGER IN DIAMETER THAN THE PIPE.
2. FILL VOIDS AROUND PENETRATIONS WITH SPRAY FOAM INSULATION.
3. DIMENSIONS ARE TO BE TAKEN FROM CENTER LINES OF EXISTING COLUMN STRUCTURE.

(B1) ROOF SHEATHING PENETRATION PLAN
1" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

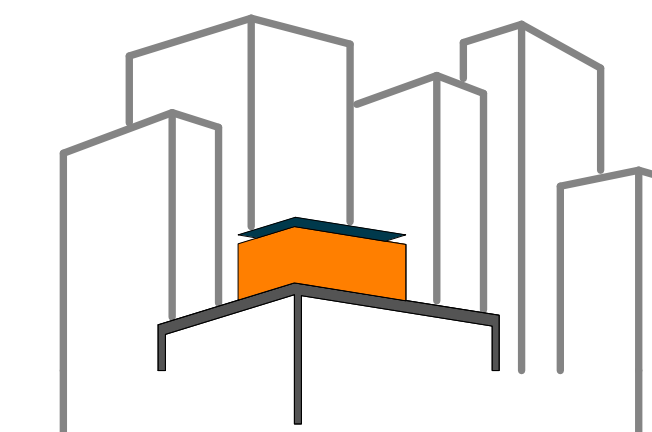
LOT NUMBER: 403
DRAWN BY: RR
CHECKED BY: JEGC
DATE: 8/12/2011 10:48:10 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
SHEATHING PENETRATION LOCATION PLAN - ROOF

SCALE: 1/2" = 1'-0"
PLAN #:

M-104.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **RR**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:48:13 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
MECHANICAL
ELEVATIONS

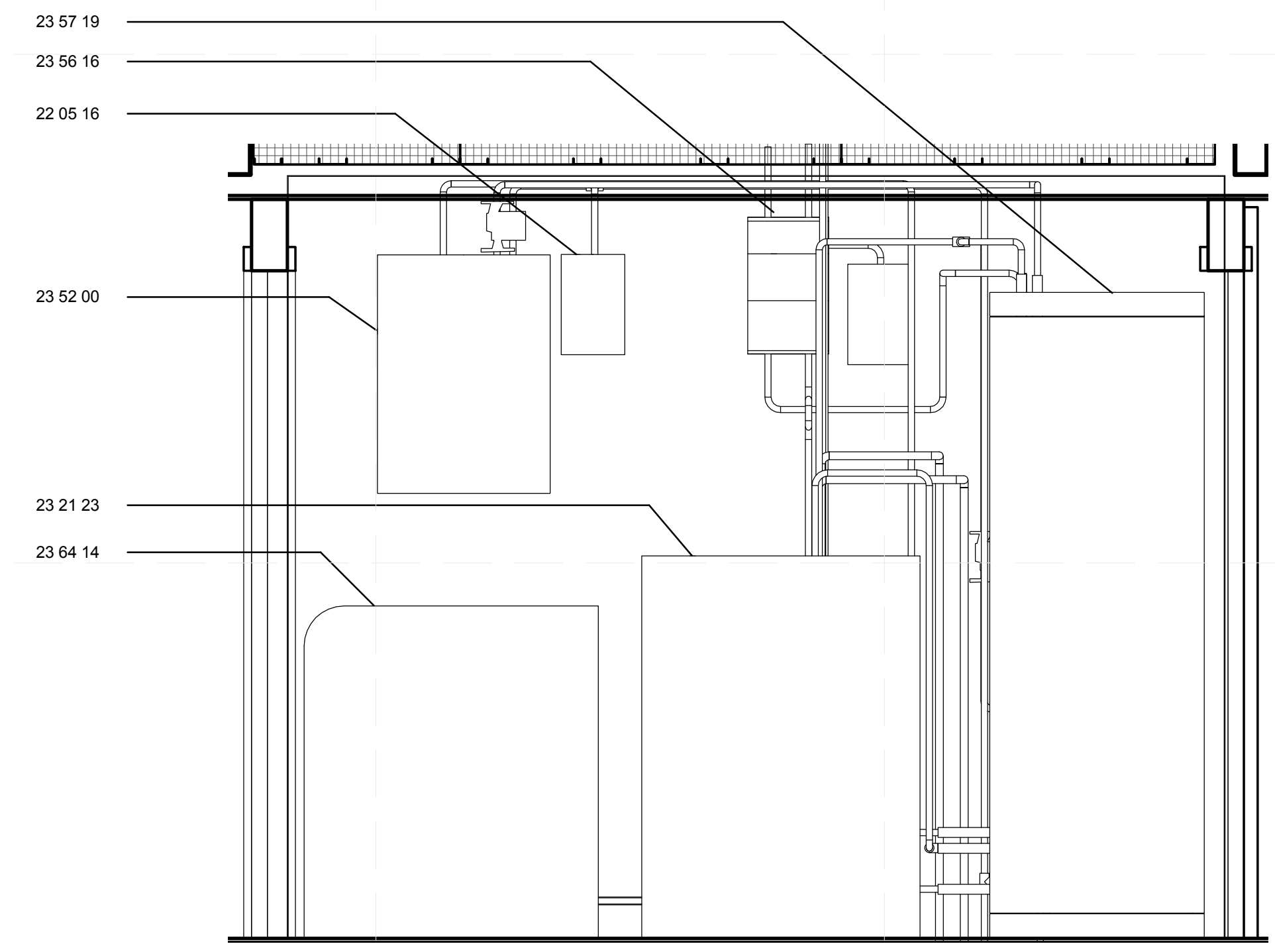
SCALE: **3/4"=1'-0"**

PLAN #:

M-201.01

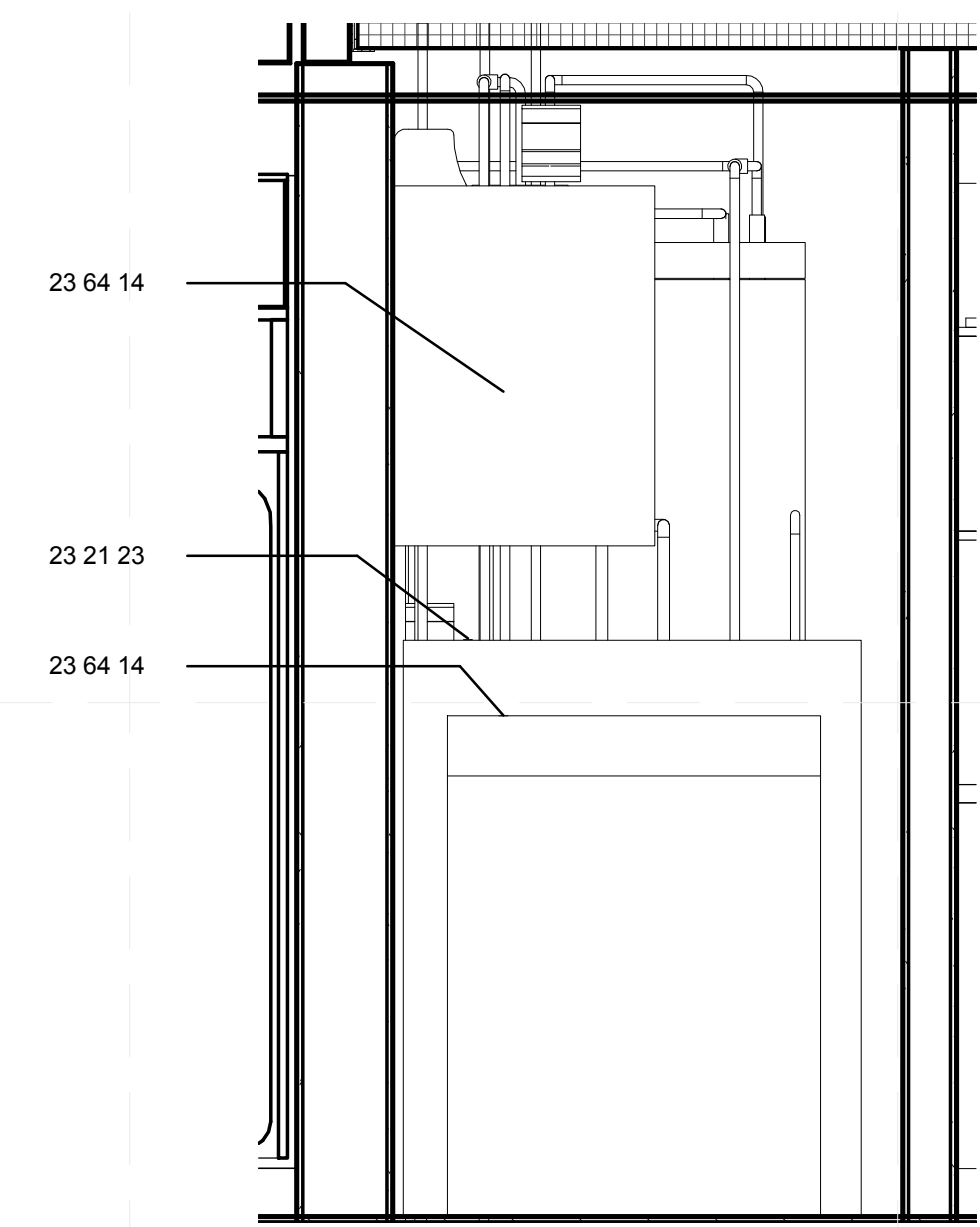
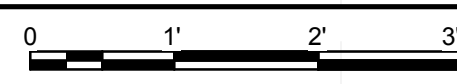
REFERENCE KEYNOTES

- 22 05 16 EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING
- 23 21 23 HYDRONIC PUMPS
- 23 52 00 HEATING BOILERS
- 23 56 16 PACKAGED SOLAR HEATING EQUIPMENT
- 23 57 19 LIQUID-TO-LIQUID HEAT EXCHANGERS
- 23 64 14 ADSORPTION CHILLERS



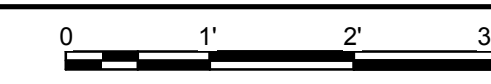
B1 MECHANICAL ROOM SOUTH ELEVATION

3/4" = 1'-0"



B4 MECHANICAL ROOM WEST ELEVATION

3/4" = 1'-0"

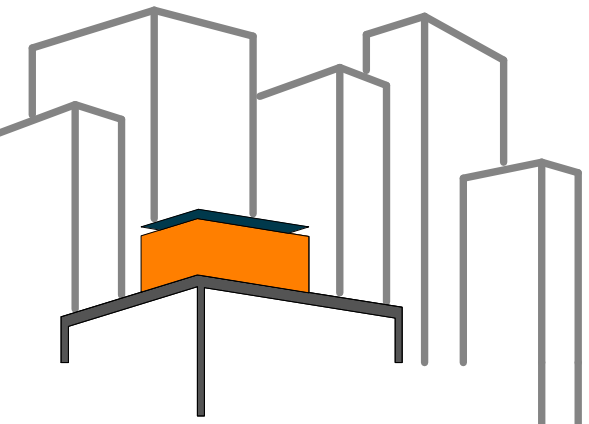


GENERAL SHEET NOTES

1. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CCNY SOLAR DECATHLON 2011 TEAM. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CCNY IS PROHIBITED.
2. PCM TANK CONSISTS OF 3 HEAT EXCHANGE LOOPS IN A SINGLE TANK
3. PARAFFIN IS THE ONLY MATERIAL IN WHICH WILL BE CONTAINED INSIDE THE THE PCM TANK.
4. THERE WILL BE NO COMBINATION OF MATERIALS USED IN THIS SYSTEM.

SHEET KEYNOTES

- 136 DOMESTIC HOT WATER AND ABSORPTION CHILLER HEAT EXCHANGER
- 137 SOLAR COLLECTOR HEAT EXCHANGER



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: RR

CHECKED BY: JEGC

DATE: 8/12/2011 10:48:19 PM

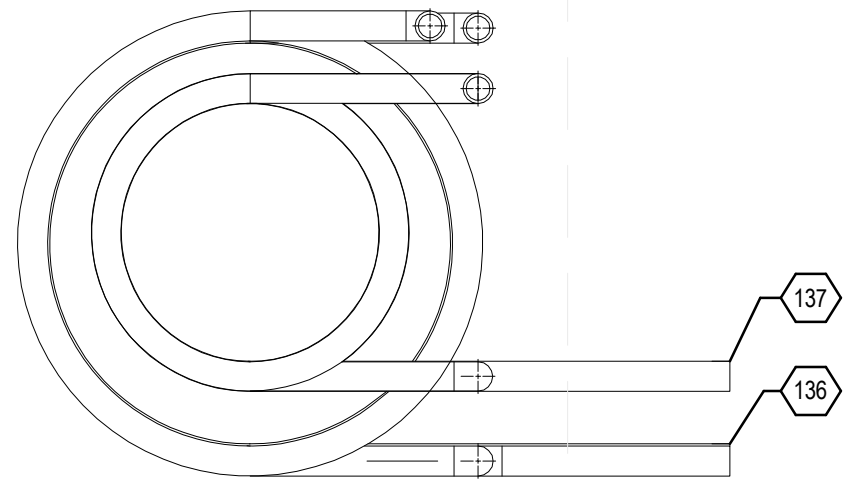
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
PCM TANK DETAILS

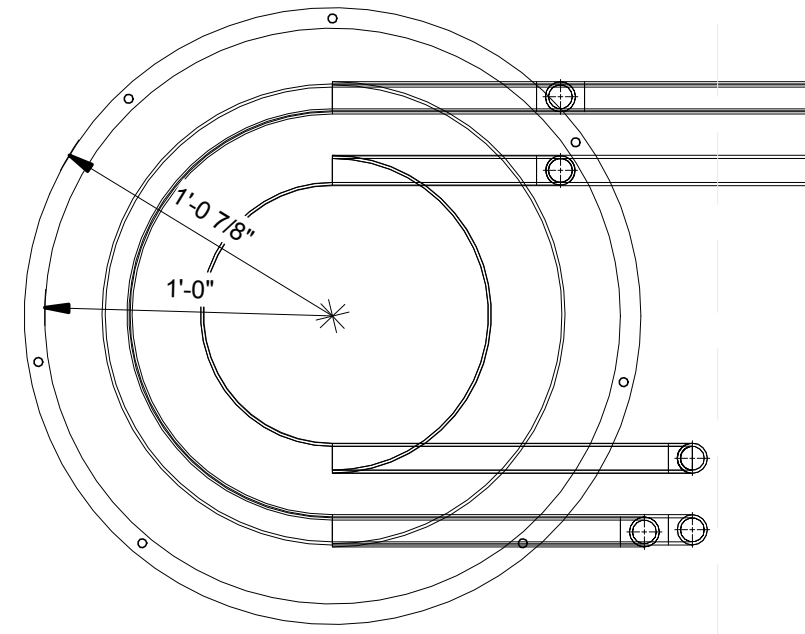
SCALE: 1 1/2"=1'

PLAN #:

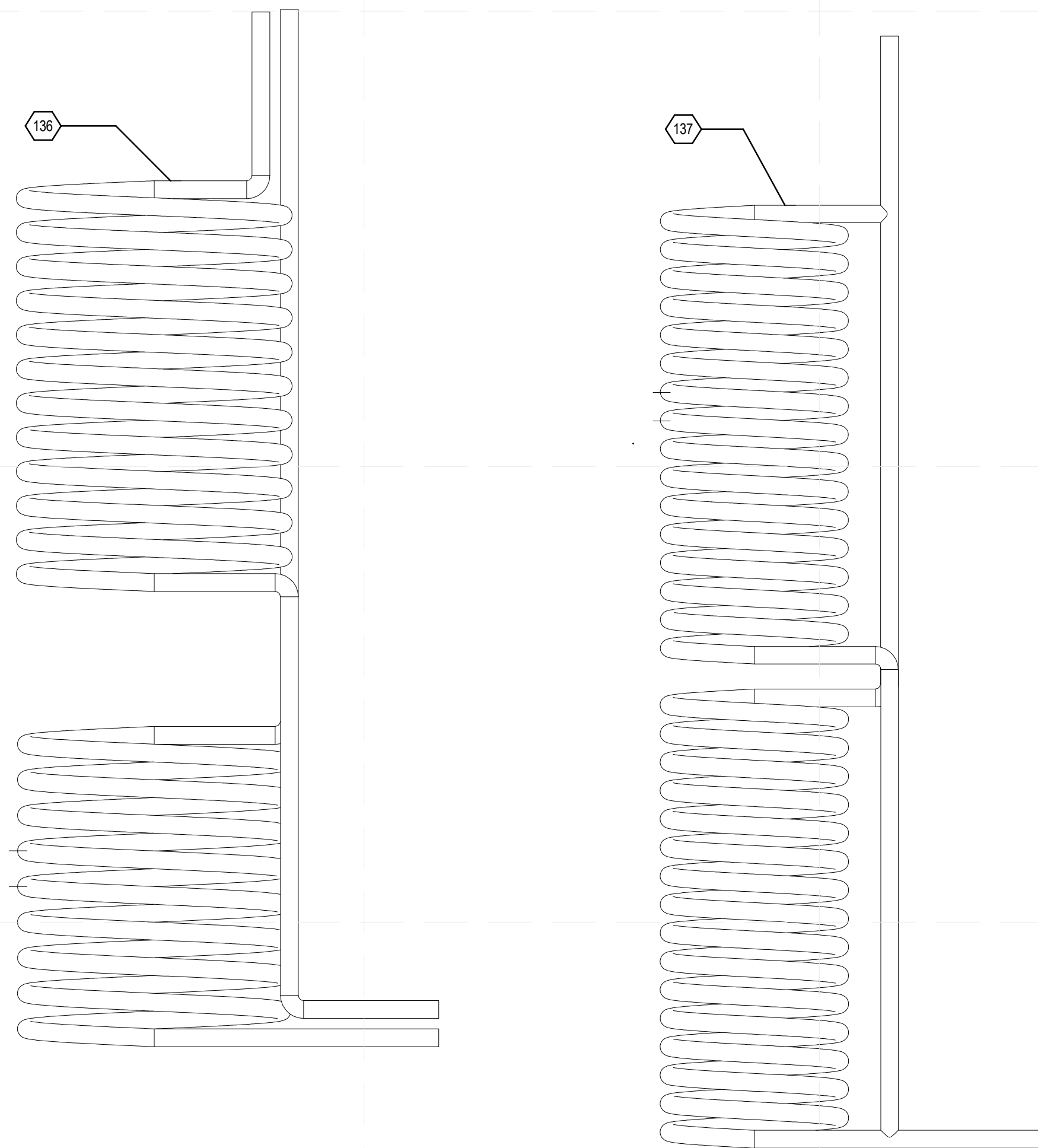
M-501.02



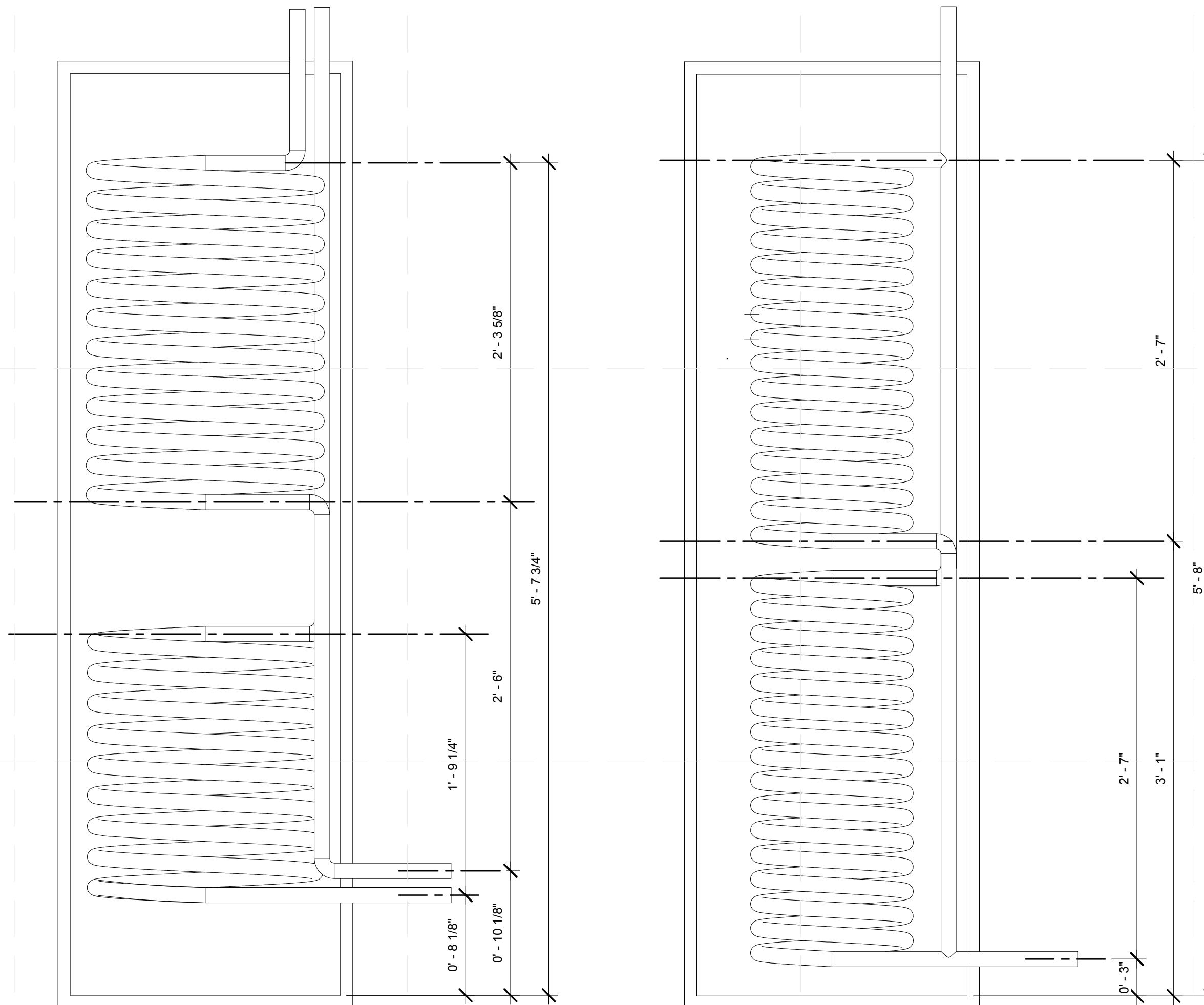
E1 HEAT EXCHANGE PLANS
1 1/2" = 1'-0"



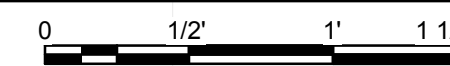
E4 PCM TANK PLANS
1 1/2" = 1'-0"

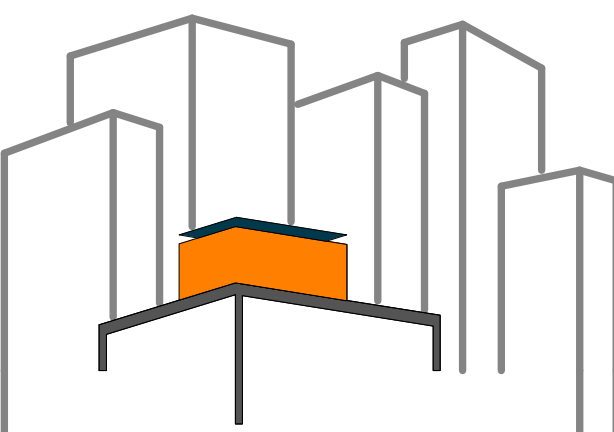


B1 HEAT EXCHANGE LOOPS
1 1/2" = 1'-0"



B4 PCM TANK ELEVATIONS
1 1/2" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: FARAH AHMAD

CHECKED BY: JEGC

DATE: 8/12/2011 10:48:23 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULES 1

SCALE: **NTS**

PLAN #:

M-601.02

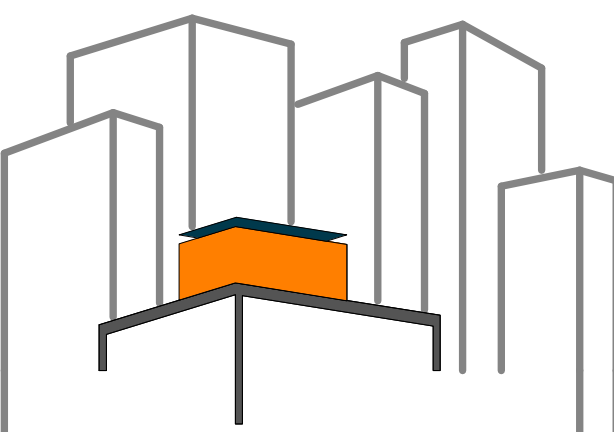
ADSORPTION CHILLER										
MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	VOLTAGE (V)	COOLING CAPACITY (KW)	DIMENSIONS (LxWxH)	WEIGHT (LBS)	COP	POWER CONSUMPTION (W)	NOTES
01		SORTECH AG / ACS 08	1	230	8	31" x 42" x 37"	650	.6	7	WATER AS NATURAL REFRIGERANT

COOLING TOWER										
MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	VOLTAGE (V)	HP	DIMENSIONS (LxWxH)	WEIGHT (LBS)	AIR FLOW (CFM)	WATER FLOW (GPM)	NOTES
01		REFRIGERATION SUPPLIES DISTRIBUTOR / RSD-005	1	110/220	1/6	DIAMETER: 32" HEIGHT: 50"	251	2118	15	DIRECT DRIVE FAN MOTORS

PCM TANK										
MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	CAPACITY (GALLONS)	AREA (CUBIC FT)	DIMENSIONS (FT-IN.)	WEIGHT (LBS)	NOTES		
01		RUBITHERM TECHNOLOGIES	1	400	48.3	2'-0" DIA. X 7'-6" H	2874 (WHEN FILLED)	HOLDS 240 GALLONS OF PCM HOLDS 100 GALLONS SOLAR CELLS FLUID		

SOLAR THERMAL COLLECTORS										
MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	FLOWRATE (GPM)	AREA (FT ²) PANEL	DIMENSIONS (LxWxH)	WEIGHT (LBS)	NOTES		
01	EVACUATED TUBES	SOLARUS, INC	6	0.008	47.12	76.2" x 90.2" x 5.7"	216	ABSORBS 98% SOLAR RADIATION		

AIR HANDLING EQUIPMENT										
MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	VOLTAGE (V, HZ)	FLOWRATE (CFM)	DIMENSIONS (DxWxH)	WEIGHT (LBS)	NOTES		
01	FAN COIL UNIT	MULTIAQUA / MHCCW04-00	1	208 , 60	400	21.65"x37.72"x10.25"	66	1/8 MOTOR HORSEPOWER		
02	FAN COIL UNIT	MULTIAQUA / MHCCW06-00	1	208 , 60	600	21.65"x37.72"x10.25"	68.2	1/8 MOTOR HORSEPOWER		



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: FARAH AHMAD

CHECKED BY: JEGC

DATE: 8/12/2011 10:48:25 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULES 2

SCALE: **NTS**

PLAN #:

M-602.01

PUMP SCHEDULE

MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	VOLTAGE (V)	FLOWRATE (GPM)	DIMENSIONS (LxWxH)	WEIGHT (LBS)	NOTES
01	SOLAR THERMAL PUMP	SOLARUS/ PUMP STATION	1	115	VARIABLE	6.6" x 13" x 19.7"	15.4	
02	SORTECH PUMP STATION	SORTECH/ PCS-08-NKT	1	270	VARIABLE	40.5" x 26.7" x 66.5"	420	
03	RADIANT HEATING PUMP	BELL AND GOSSET / NRF-22	1	92	5	5-1/8" x 6-7/8" x 6-3/8"	9.3	
04	DOMESTIC HOT WATER SUPPLY PUMP	BELL AND GOSSET / NRF-22	1	92	10	5-1/8" x 6-7/8" x 6-3/8"	9.3	

EXPANSION TANK

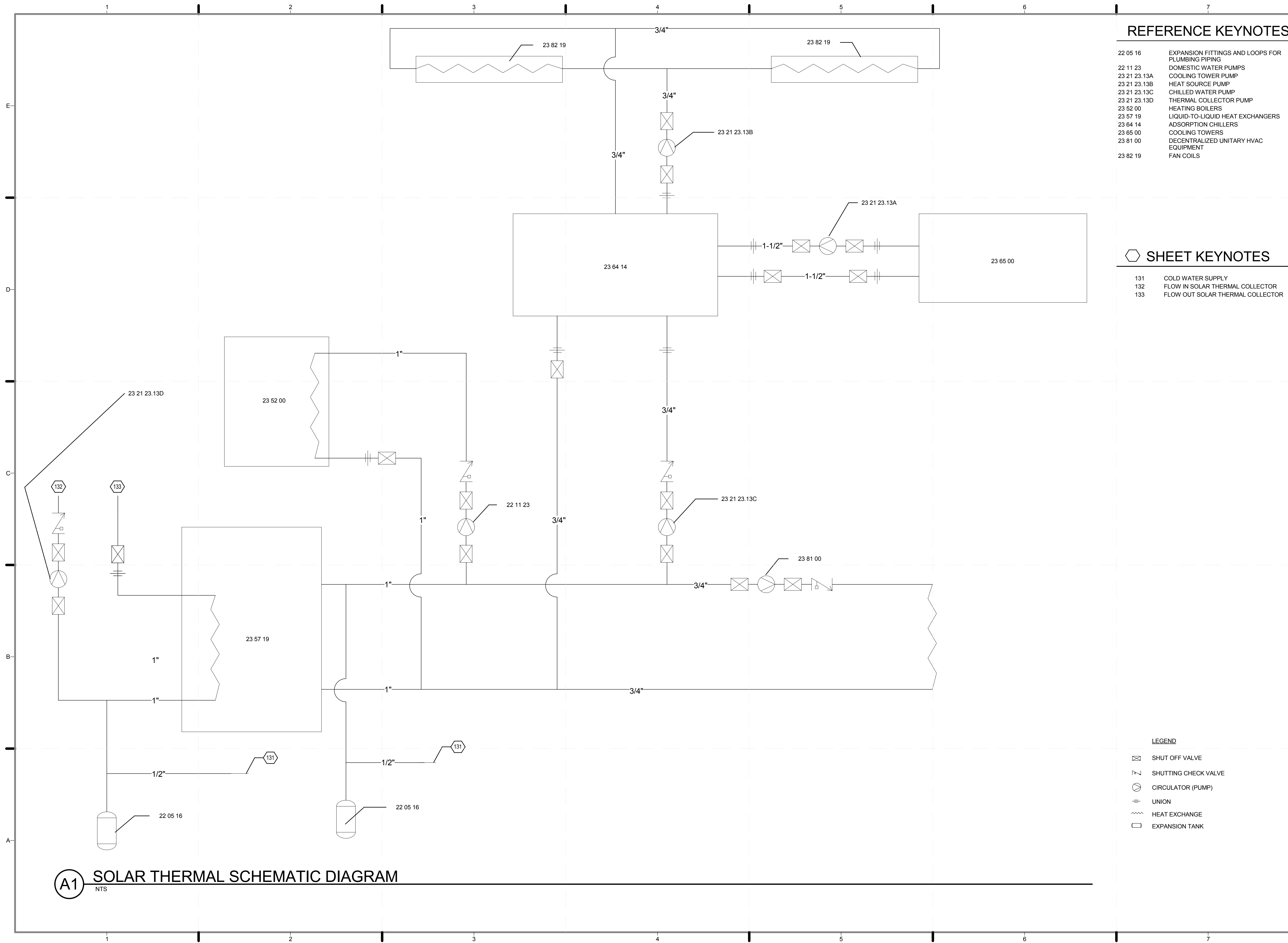
MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	CAPACITY (GALLONS)	MAX WORKING PRESSURE (PSI)	DIMENSIONS	WEIGHT (LBS)	NOTES
01	EXPANSION TANK	BELL AND GOSSET / HFT-15	2	2	100	DIAMETER: 8" HEIGHT: 12-5/8"	5	

DOMESTIC HOT WATER TANK

MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	CAPACITY (GALLONS)	FLOWRATE (GPM)	DIMENSIONS	WEIGHT (LBS)	NOTES
01	HOT WATER TANK	RHEEM / 82VP30-1*	1	30	10	DIAMETER: 21.75" HEIGHT: 30"	91	DELIVERS 188 GALLONS HOT WATER/HOUR

RADIANT MANIFOLD

MARK	DESCRIPTION	MANUFACTURER / MODEL #	QUANTITY	LOOPS	FLOWRATE (GPM)	DIMENSIONS	WEIGHT (LBS)	NOTES
01	RADIANT HEAT MANIFOLD	ZURN/QHPM-2	1	2	10	17.375" x 11.5"		



REFERENCE KEYNOTES

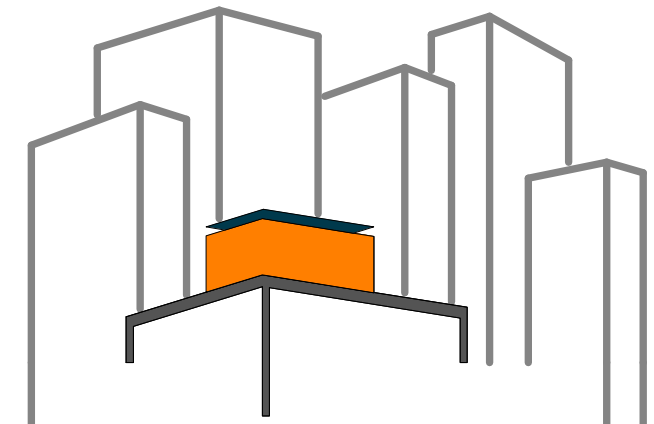
22 05 16	EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING
22 11 23	DOMESTIC WATER PUMPS
23 21 23.13A	COOLING TOWER PUMP
23 21 23.13B	HEAT SOURCE PUMP
23 21 23.13C	CHILLED WATER PUMP
23 21 23.13D	THERMAL COLLECTOR PUMP
23 52 00	HEATING BOILERS
23 57 19	LIQUID-TO-LIQUID HEAT EXCHANGERS
23 64 14	ADSORPTION CHILLERS
23 65 00	COOLING TOWERS
23 81 00	DECENTRALIZED UNITARY HVAC EQUIPMENT
23 82 19	FAN COILS

SHEET KEYNOTES

131	COLD WATER SUPPLY
132	FLOW IN SOLAR THERMAL COLLECTOR
133	FLOW OUT SOLAR THERMAL COLLECTOR

LEGEND

	SHUT OFF VALVE
	SHUTTING CHECK VALVE
	CIRCULATOR (PUMP)
	UNION
	HEAT EXCHANGE
	EXPANSION TANK



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **RR**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:48:28 PM**

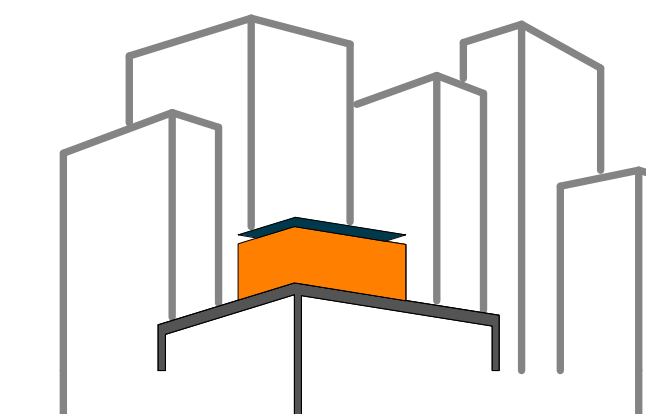
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
SOLAR THERMAL SCHEMATIC

SCALE: **NTS**
PLAN #:

M-603.01

(A1) SOLAR THERMAL SCHEMATIC DIAGRAM
NTS



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: RR

CHECKED BY: JEGC

DATE: 8/12/2011 10:48:29 PM

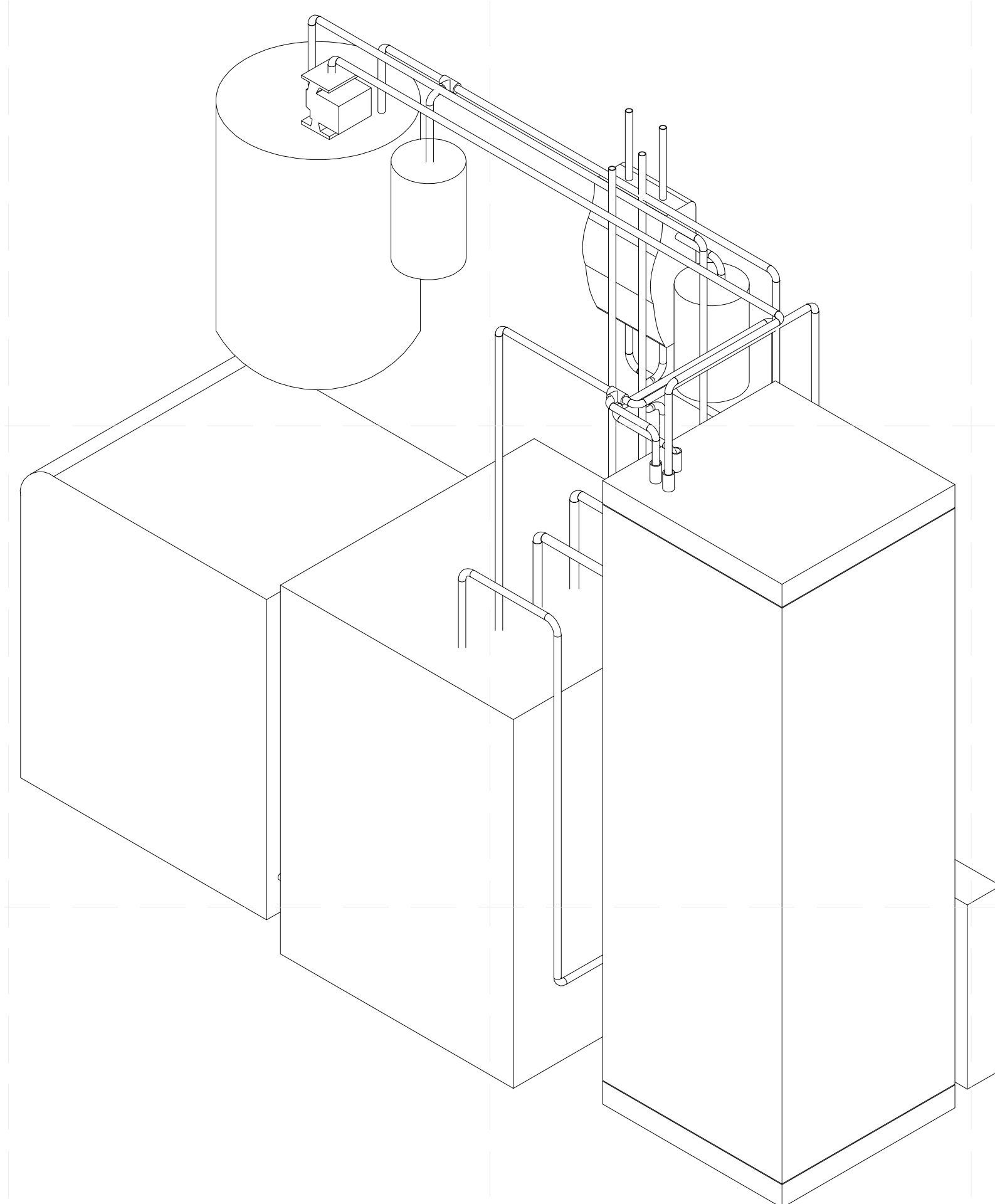
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
HVAC ISOMETRICS

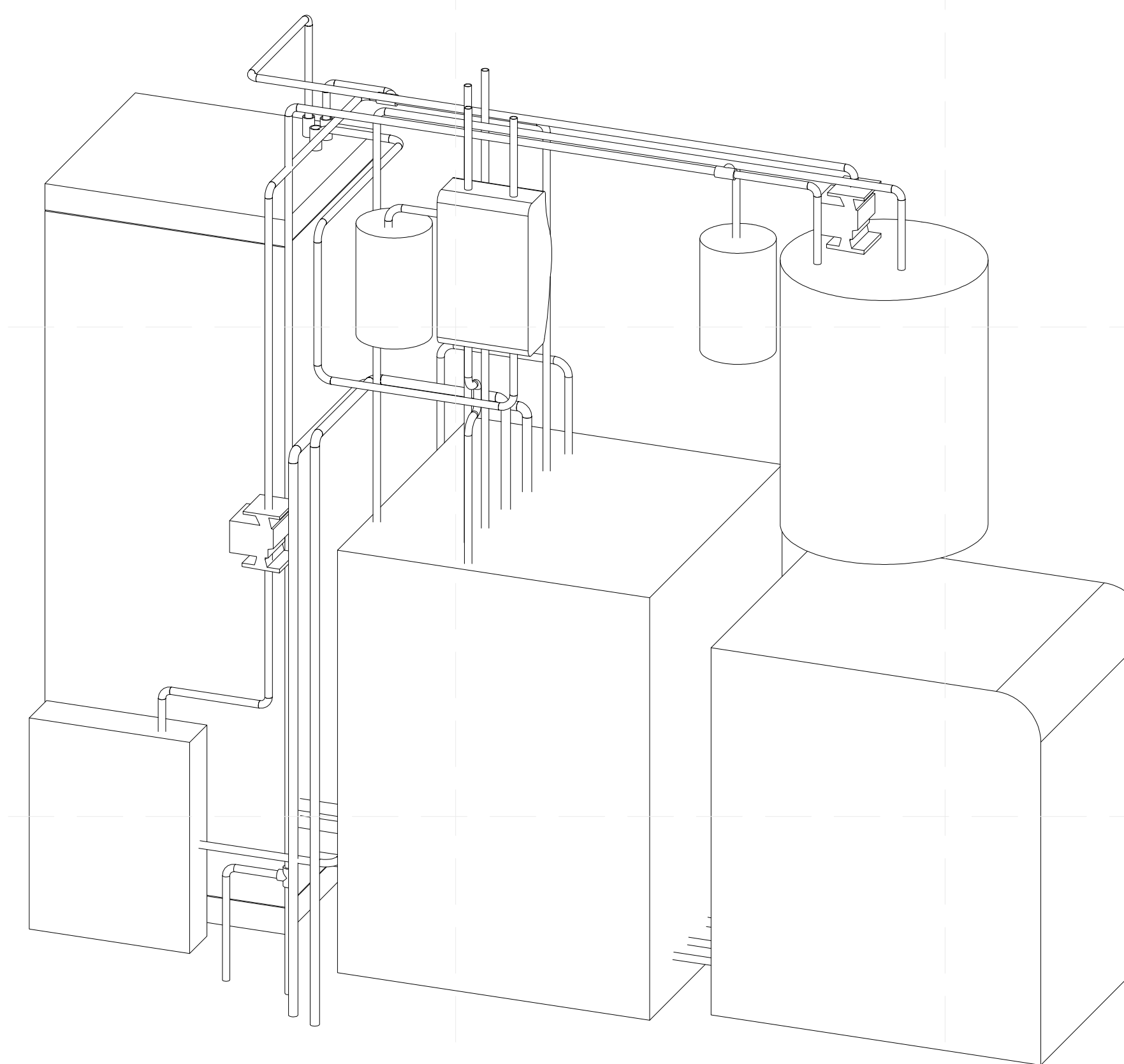
SCALE: NTS

PLAN #:

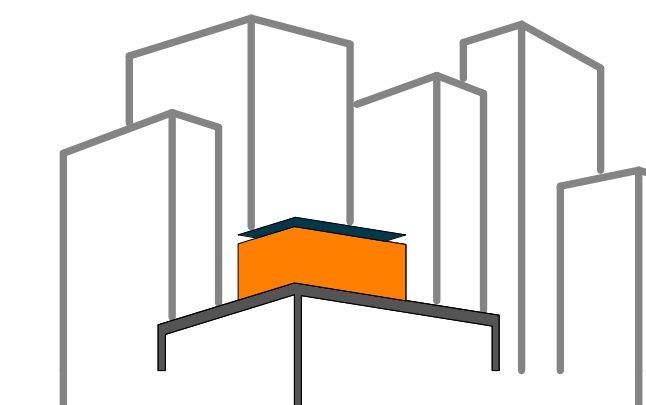
M-701.01



B2 MECHANICAL ROOM EQUIPMENT FRONT ISOMETRIC
NTS



B5 MECHANICAL ROOM EQUIPMENT BACK ISOMETRIC
NTS



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: RR

CHECKED BY: JEGC

DATE: 8/12/2011 10:48:30 PM

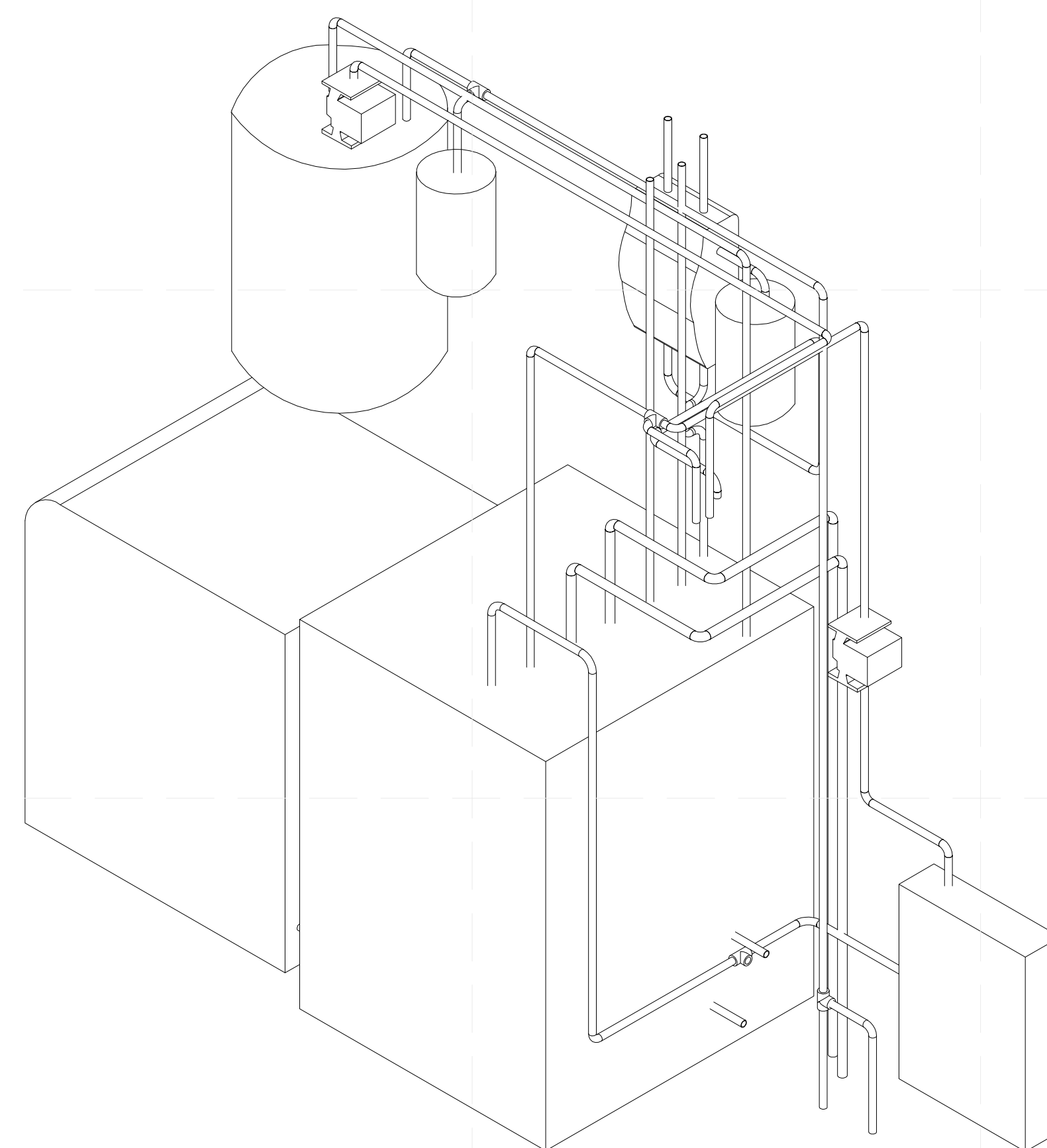
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
HVAC ISOMETRICS
2

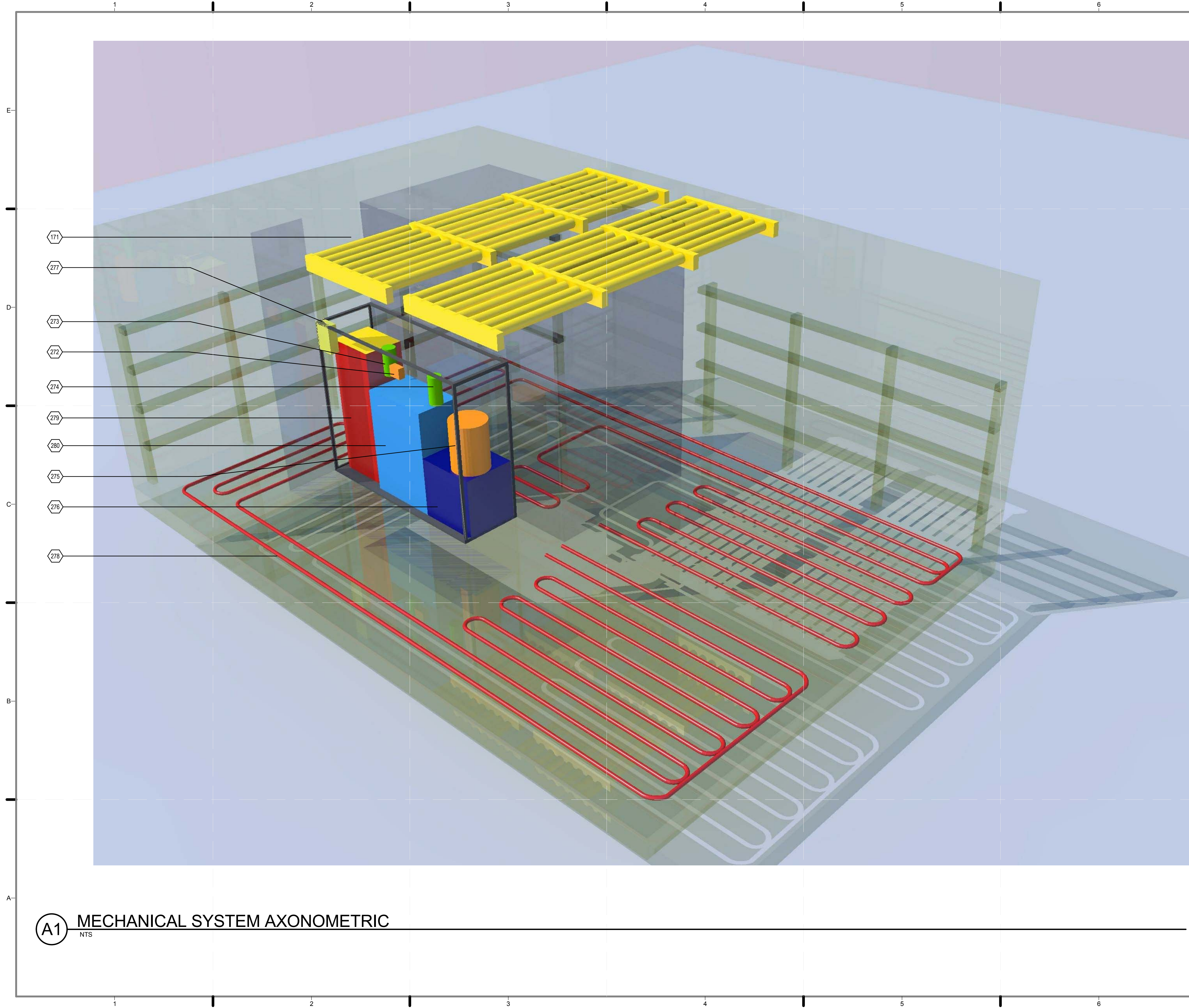
SCALE: NTS

PLAN #:

M-702.01

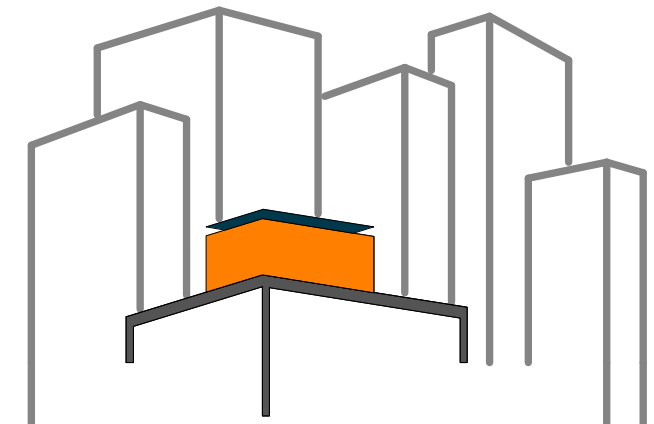


B3 PCM TANK PIPING ISOMETRIC
NTS



SHEET KEYNOTES

- 171 RIGID INSULATION, XPS, ON CONT. WATERPROOFING
- 272 SOLAR COLLECTOR PUMP
- 273 AIR TANK 1
- 274 AIR TANK 2
- 275 DOMESTIC HOT WATER TANK
- 276 ADSORPTION CHILLER
- 277 RADIANT HEAT MANIFOLD
- 278 RADIANT HEAT FLEX PIPE
- 279 PHASE CHANGE MATERIAL TANK
- 280 PUMP STATION



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **POLINA TYMOSHENKO**
CHECKED BY: **JUNE WILLIAMSON**
DATE: **8/12/2011 10:48:33 PM**

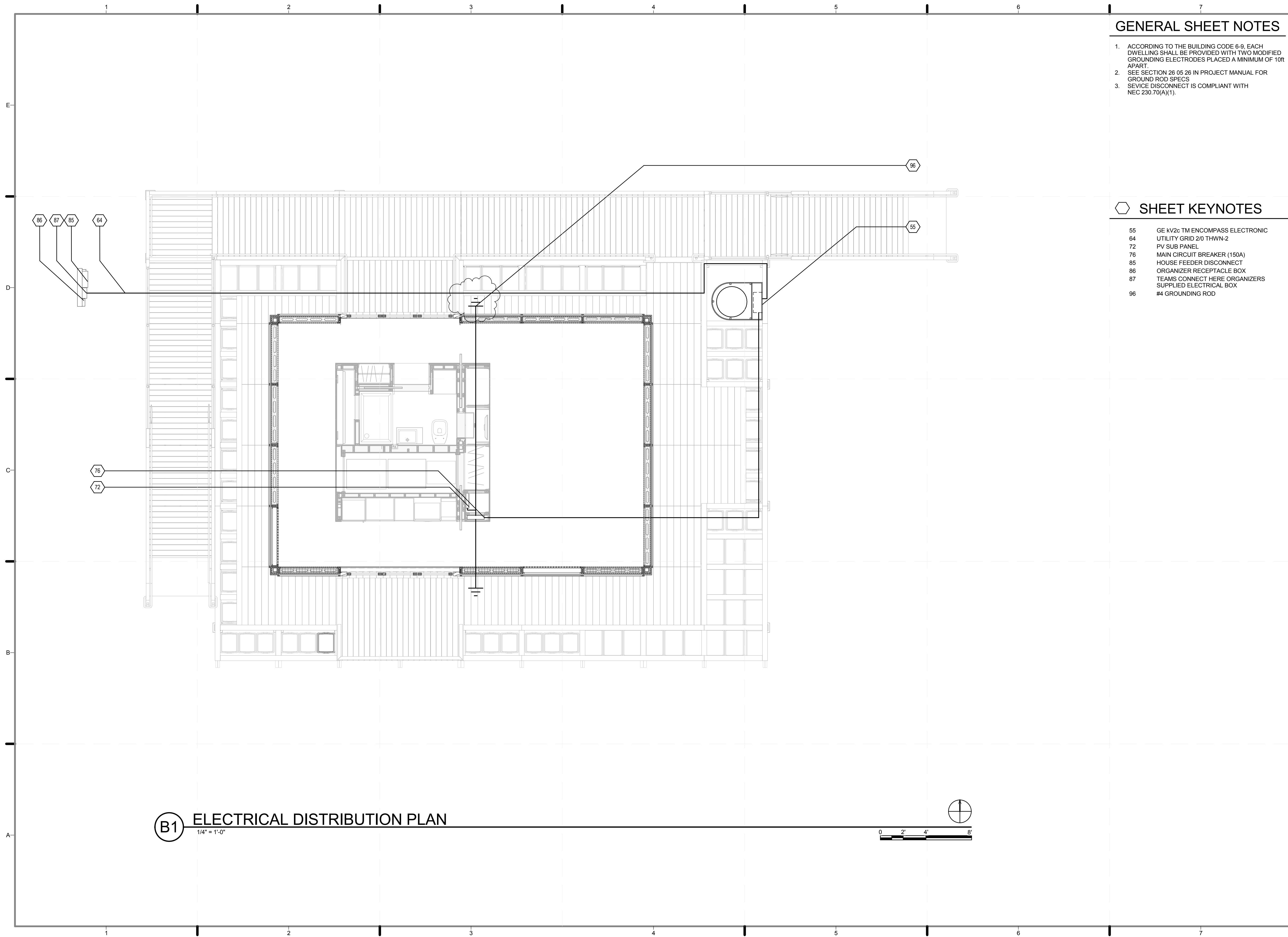
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MECHANICAL SYSTEM AXONOMETRIC

SCALE: **NTS**
PLAN #:

M-901.01

(A1) MECHANICAL SYSTEM AXONOMETRIC
NTS



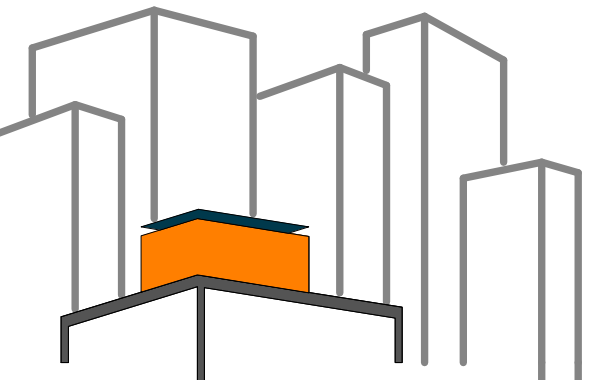
GENERAL SHEET NOTES

1. ACCORDING TO THE BUILDING CODE 6-9, EACH DWELLING SHALL BE PROVIDED WITH TWO MODIFIED GROUNDING ELECTRODES PLACED A MINIMUM OF 10ft APART
2. SEE SECTION 26 05 26 IN PROJECT MANUAL FOR GROUND ROD SPECS
3. SERVICE DISCONNECT IS COMPLIANT WITH NEC 230.70(A)(1).

SHEET KEYNOTES

- | | |
|----|---------------------------------|
| 55 | GE KV2c TM ENCOMPASS ELECTRONIC |
| 64 | UTILITY GRID 2/0 THWN-2 |
| 72 | PV SUB PANEL |
| 76 | MAIN CIRCUIT BREAKER (150A) |
| 85 | HOUSE FEEDER DISCONNECT |
| 86 | ORGANIZER RECEPTACLE BOX |
| 87 | TEAMS CONNECT HERE ORGANIZERS |
| 96 | #4 GROUNDING ROD |

B1 ELECTRICAL DISTRIBUTION PLAN
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

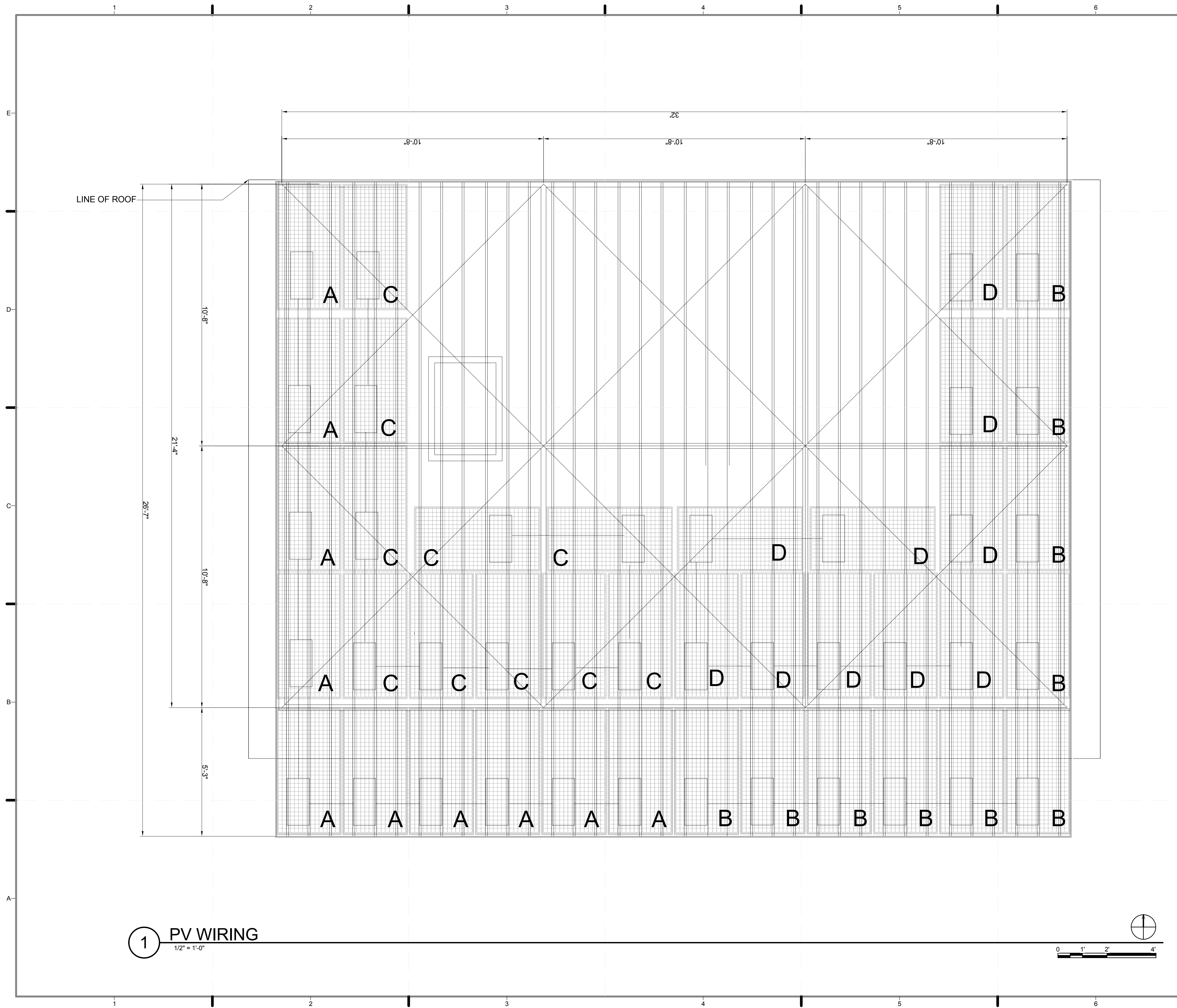
LOT NUMBER: **403**
DRAWN BY: **GIOVANNY GIRALDO**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:36:28 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
ELECTRICAL
DISTRIBUTION PLAN

SCALE: **1/4"=1'-0"**
PLAN #:

E-101.02

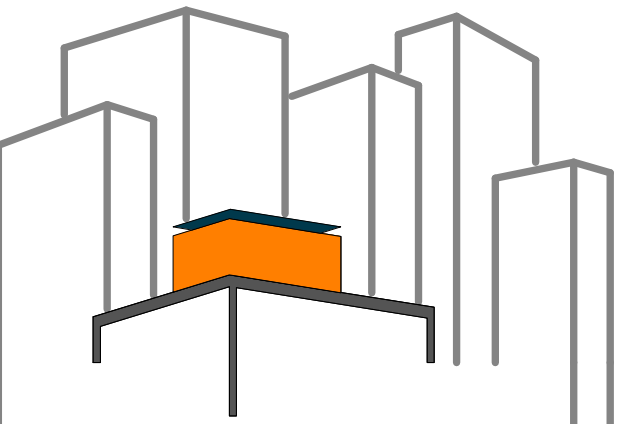
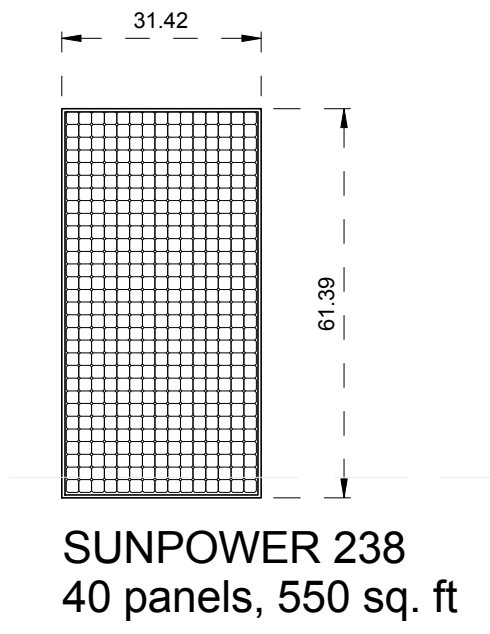
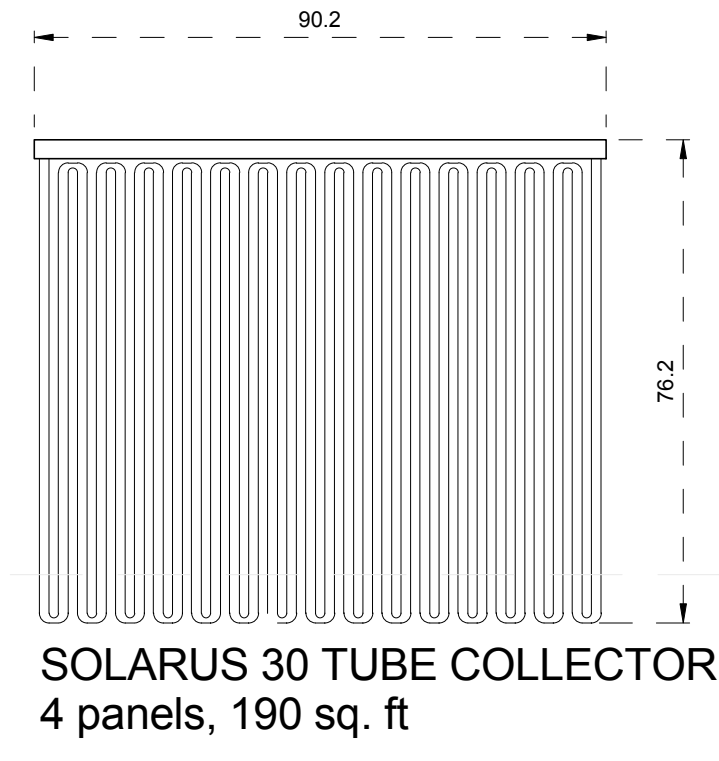


1 PV WIRING
1/2" = 1'-0"

GENERAL SHEET NOTES

1. ALL PV SYSTEMS ARE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH THE 2009 NATIONAL ELECTRICAL CODE (NEC) AND THE 2011 SD RULES AND REGULATIONS
2. PV MODULES, SOURCE-CIRCUIT COMBINERS, AND UTILITY-INTERACTIVE INVERTERS WILL BE SAFETY CERTIFIED (LISTED) TO THE APPROPRIATE UNDERWRITES LABORATORIES (UL) STANDARD (UL 1741 FOR INVERTERS AND COMBINERS, UL 1703 FOR PV MODULES) AND WILL BE TESTED AND CERTIFIED BY ONE OF THE FOLLOWING US NATIONALLY RECOGNIZED TESTING LABORATORIES (NRTL): UL, CSA, ETL, OR TUV RHEINLAND OF NORTH AMERICA. DC CIRCUITS FROM THE PV MODULES TO THE DC PV DISCONNECT ARE IN METAL CONDUITS (RACEWAYS) WHERE INSIDE THE STRUCTURE. (NEC 690.31 (E))
3. ALL PV STRINGS TO USE MANUFACTURED PROVIDED CABLE.

LEGEND



SOLAR ROOF POD
www.ccnyrsolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnyrsd11@gmail.com



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

REVISIONS: DATE / NAME

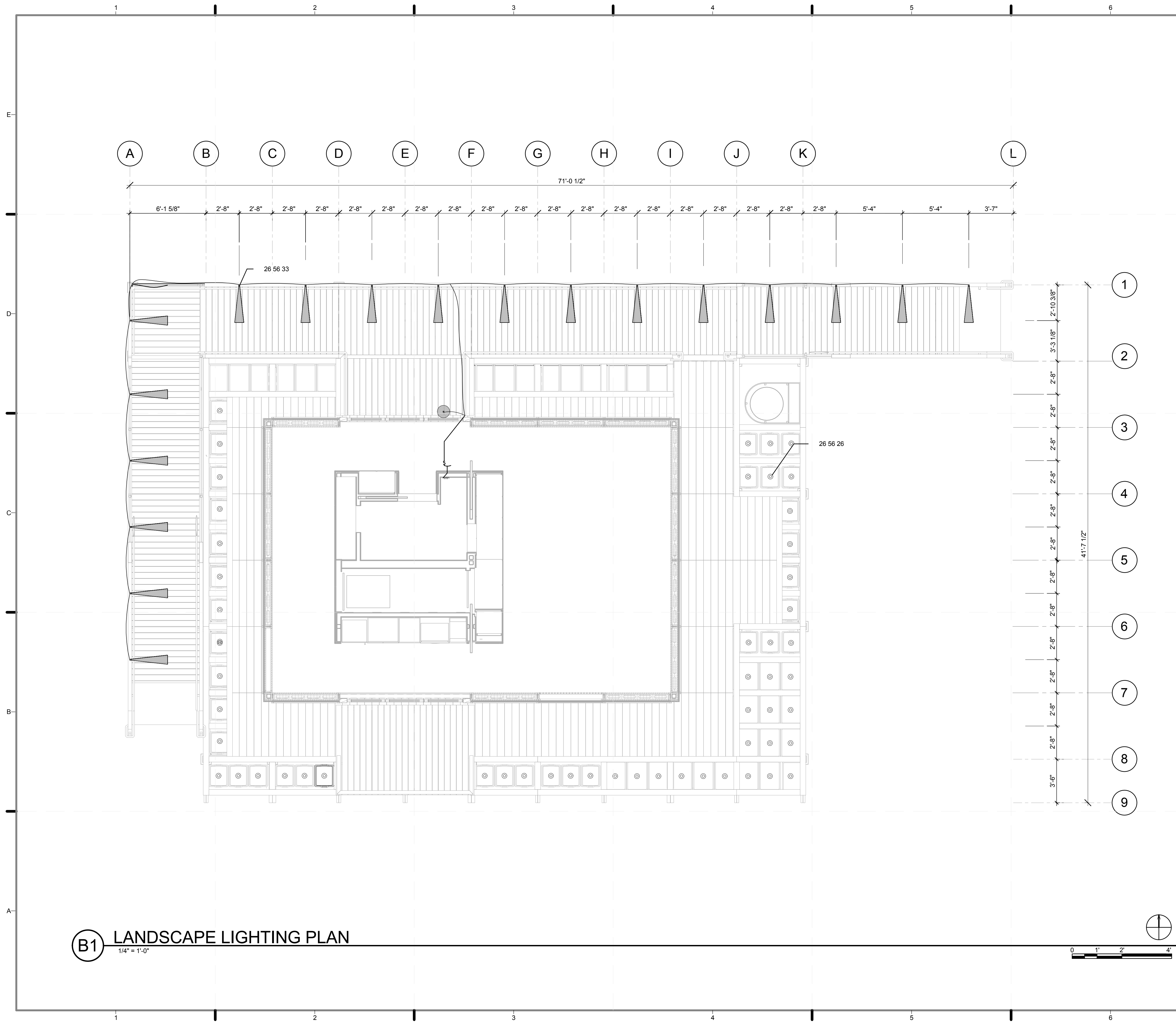
LOT NUMBER: 403
DRAWN BY: GIOVANNY GIRALDO
CHECKED BY: JEGC
DATE: 8/12/2011 10:36:39 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
PV WIRING PLAN

SCALE: 1/2" = 1'-0"
PLAN #:

E-102.01



GENERAL SHEET NOTES

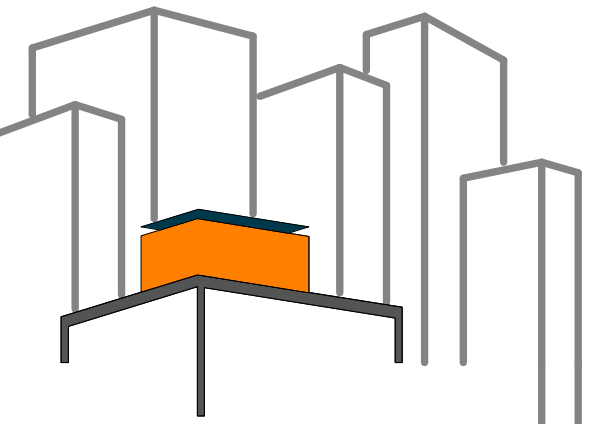
1. ALL PV SYSTEMS ARE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH THE 2009 NATIONAL ELECTRICAL CODE (NEC) AND THE 2011 SD RULES AND REGULATIONS
2. PV MODULES, SOURCE-CIRCUIT COMBINERS, AND UTILITY-INTERACTIVE INVERTERS WILL BE SAFETY CERTIFIED (LISTED) TO THE APPROPRIATE UNDERWRITES LABORATORIES (UL) STANDARD (UL 1741 FOR INVERTERS AND COMBINERS, UL 1703 FOR PV MODULES) AND WILL BE TESTED AND CERTIFIED BY ONE OF THE FOLLOWING US NATIONALLY RECOGNIZED TESTING LABORATORIES (NRTL): UL, CSA, ETL, OR TUV RHEINLAND OF NORTH AMERICA.
3. DC CIRCUITS FROM THE PV MODULES TO THE DC PV DISCONNECT ARE IN METAL CONDUITS (RACEWAYS) WHERE INSIDE THE STRUCTURE. (NEC 690.31 (E))
4. ALL PV STRINGS TO USE MANUFACTURED PROVIDED CABLE.
5. SEE E-604.02 FOR LIGHTING SCHEDULE
6. THERE ARE FOUR SOUTH PORCH LIGHT FIXTURES (TO BE EMBEDDED INTO THE PLANTERS AND ELEVATED BY STEEL POST WITH BOTTOM PLATE. BOTTOM PLATE IS 6\"X6\"X1/4\".

REFERENCE KEYNOTES

- 26 56 26 SOLAR LED LANDSCAPE LIGHTS
- 26 56 33 OUTDOOR RECESSED LED LIGHTS

LANDSCAPE LEGEND

- LED PATH LIGHT FOR DECK ILLUMINATION
- LED SOLAR POWERED GARDEN LIGHTS
- SINGLE SWITCH



SOLAR ROOF POD
www.ccnyolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: **403**
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:36:52 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

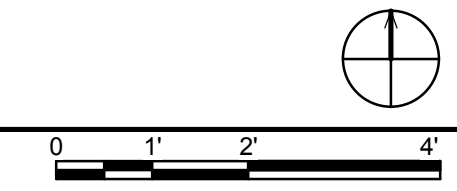
SHEET TITLE:
LANDSCAPE LIGHTING PLAN

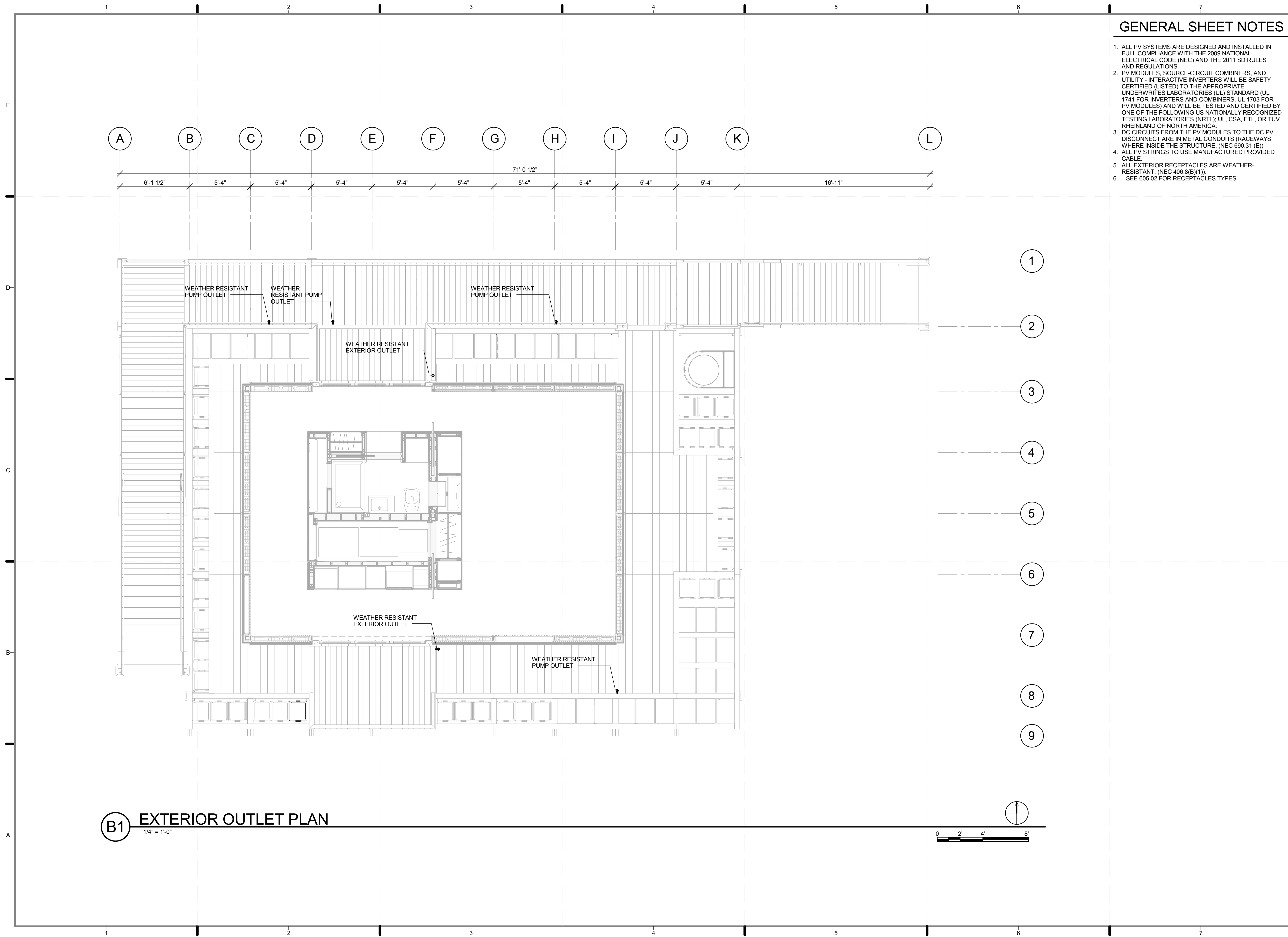
SCALE: **1/4" = 1'-0"**

PLAN #:

E-103.02

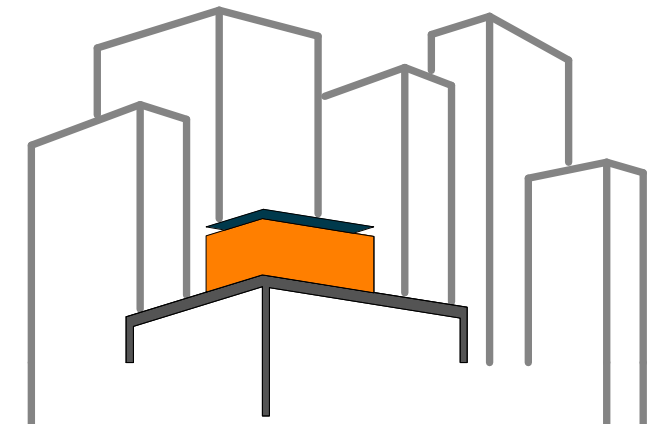
B1 LANDSCAPE LIGHTING PLAN
1/4" = 1'-0"





GENERAL SHEET NOTES

1. ALL PV SYSTEMS ARE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH THE 2009 NATIONAL ELECTRICAL CODE (NEC) AND THE 2011 SD RULES AND REGULATIONS.
2. PV MODULES, SOURCE-CIRCUIT COMBINERS, AND UTILITY-INTERACTIVE INVERTERS WILL BE SAFETY CERTIFIED (LISTED) TO THE APPROPRIATE UNDERWRITES LABORATORIES (UL) STANDARD (UL 1741 FOR INVERTERS AND COMBINERS, UL 1703 FOR PV MODULES) AND WILL BE TESTED AND CERTIFIED BY ONE OF THE FOLLOWING US NATIONALLY RECOGNIZED TESTING LABORATORIES (NRTL); UL, CSA, ETL, OR TUV RHEINLAND OF NORTH AMERICA.
3. DC CIRCUITS FROM THE PV MODULES TO THE DC PV DISCONNECT ARE IN METAL CONDUITS (RACEWAYS WHERE INSIDE THE STRUCTURE. (NEC 690.31 (E))
4. ALL PV STRINGS TO USE MANUFACTURED PROVIDED CABLE.
5. ALL EXTERIOR RECEPTACLES ARE WEATHER-RESISTANT. (NEC 406.8(B)(1)).
6. SEE 605.02 FOR RECEPTACLES TYPES.



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS:	DATE /	NAME
3	8/8/2011	CHANGED LOCATION OF EXTERIOR OUTLETS
3	8/8/2011	ADDED EXTERIOR PUMP OUTLETS
3	8/8/2011	ANNOTATED - ALL EXTERIOR OUTLETS ARE WEATHER RESISTANT

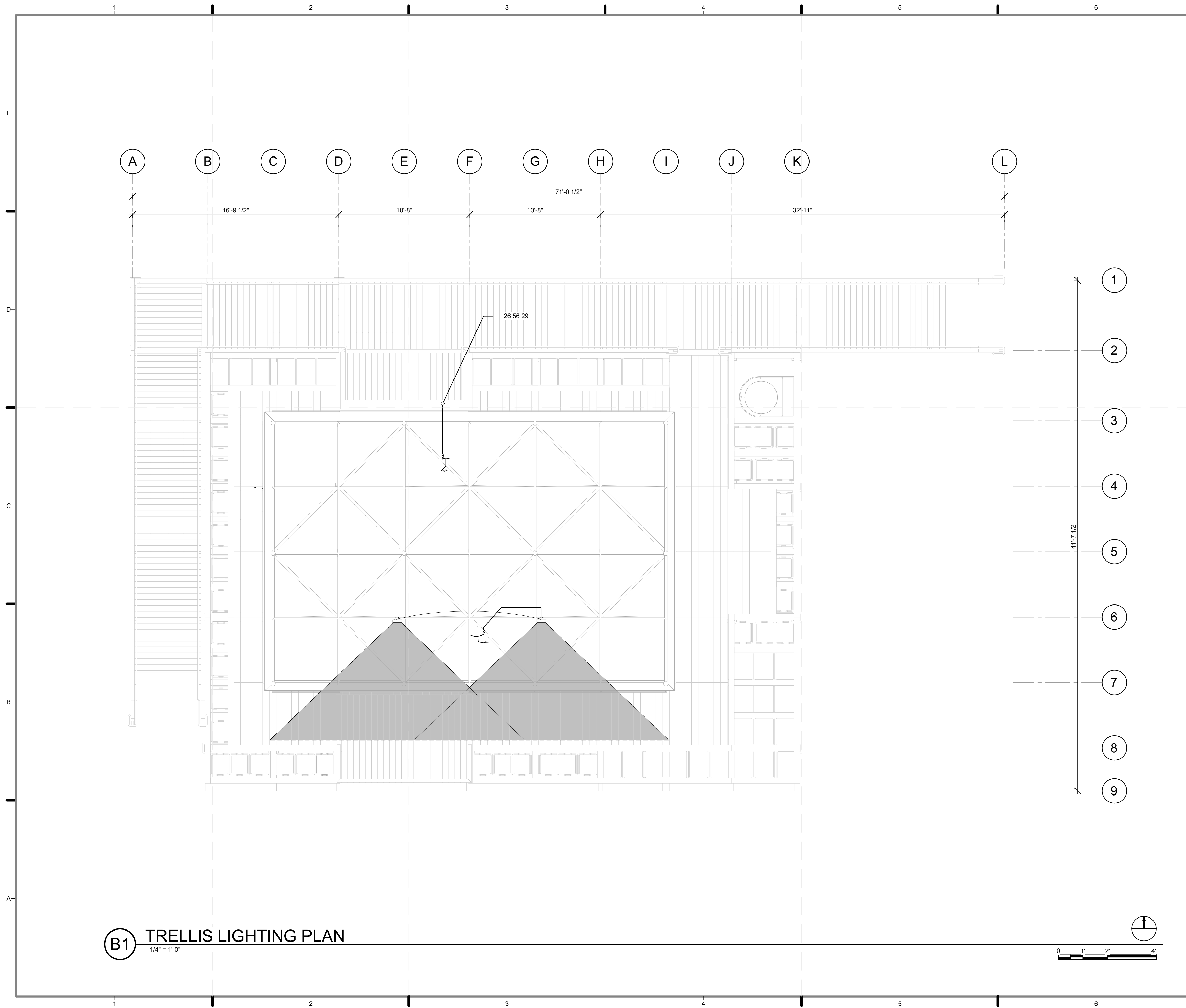
LOT NUMBER: **403**
DRAWN BY: **GIOVANNY GIRALDO**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:37:01 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
EXTERIOR OUTLET PLAN

SCALE: **1/4" = 1'-0"**
PLAN #:

E-104.03



B1 TRELLIS LIGHTING PLAN
1/4" = 1'-0"


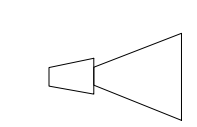
GENERAL SHEET NOTES

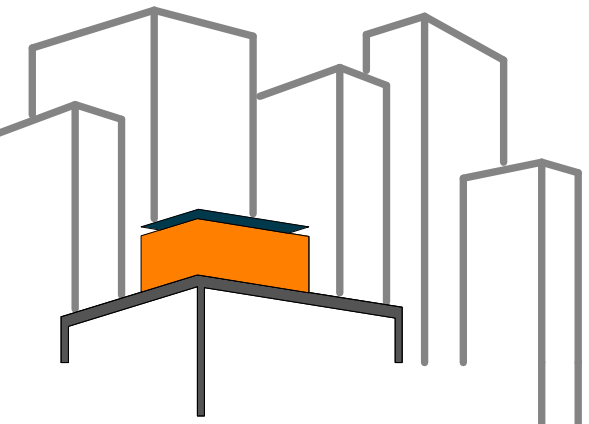
1. ALL PV SYSTEMS ARE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH THE 2009 NATIONAL ELECTRICAL CODE (NEC) AND THE 2011 SD RULES AND REGULATIONS
2. PV MODULES, SOURCE-CIRCUIT COMBINERS, AND UTILITY - INTERACTIVE INVERTERS WILL BE SAFETY CERTIFIED (LISTED) TO THE APPROPRIATE UNDERWRITES LABORATORIES (UL) STANDARD (UL 1741 FOR INVERTERS AND COMBINERS, UL 1703 FOR PV MODULES) AND WILL BE TESTED AND CERTIFIED BY ONE OF THE FOLLOWING US NATIONALLY RECOGNIZED TESTING LABORATORIES (NRTL): UL, CSA, ETL, OR TUV RHEINLAND OF NORTH AMERICA. DC CIRCUITS FROM THE PV MODULES TO THE DC PV DISCONNECT ARE IN METAL CONDUITS (RACEWAYS) WHERE INSIDE THE STRUCTURE. (NEC 690.31 (E))
3. ALL PV STRINGS TO USE MANUFACTURED PROVIDED CABLE.
4. SEE E-604.02 FOR LIGHTING SCHEDULE

REFERENCE KEYNOTES

26 56 29 ENTRY LIGHT

TRELLIS LEGEND

-  RECESSED LIGHT
-  FLOOD LIGHT



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

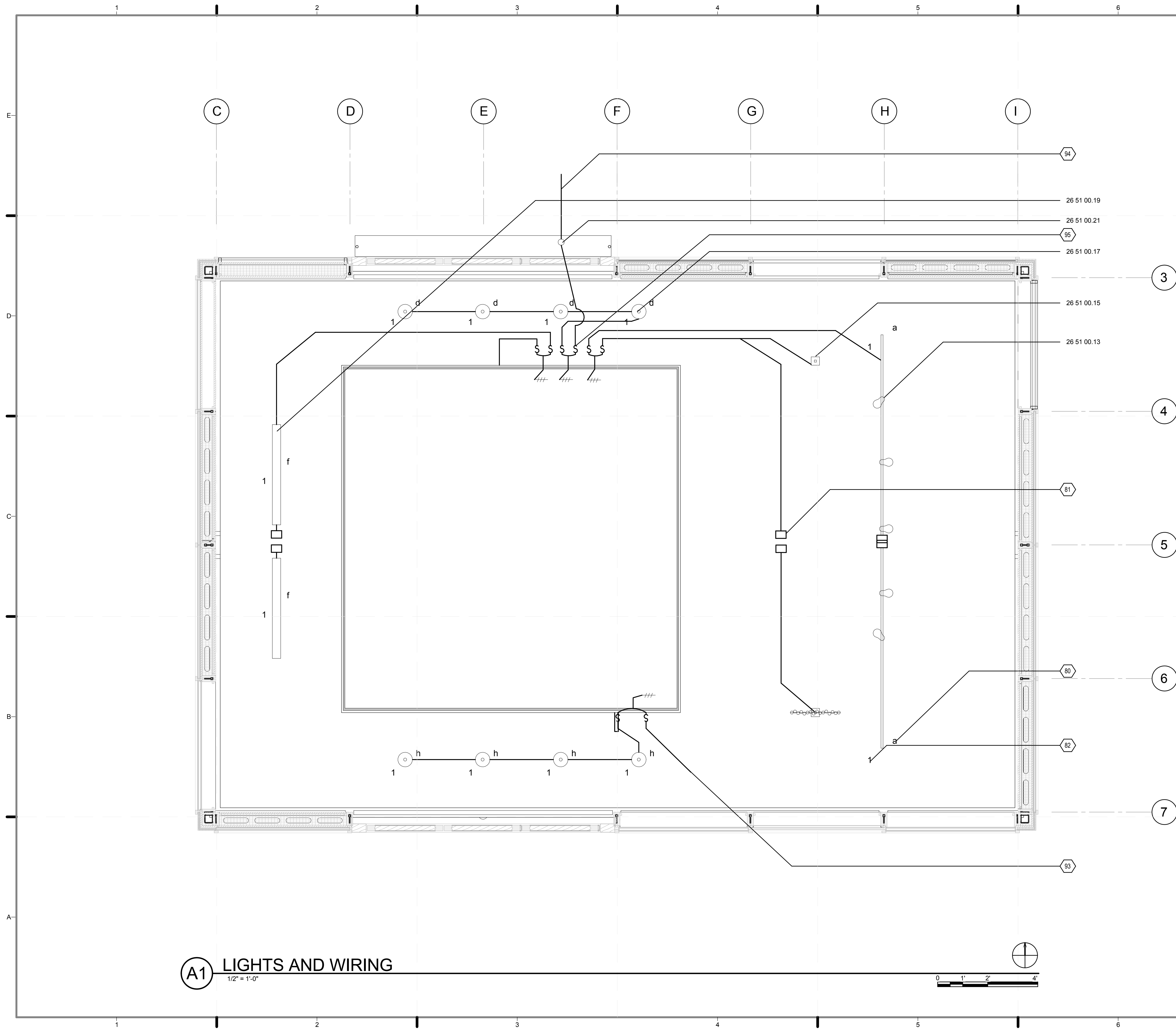
LOT NUMBER: 403
DRAWN BY: **MARY DOUMAS**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:37:11 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
TRELLIS LIGHTING PLAN

SCALE: **1/4" = 1'-0"**
PLAN #:

E-105.02



A1 LIGHTS AND WIRING
1/2" = 1'-0"

GENERAL SHEET NOTES

1. ALL PV SYSTEMS ARE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH THE 2009 NATIONAL ELECTRICAL CODE (NEC) AND THE 2011 SD RULES AND REGULATIONS.
2. PV MODULES, SOURCE-CIRCUIT COMBINERS, AND UTILITY - INTERACTIVE INVERTERS WILL BE SAFETY CERTIFIED (LISTED) TO THE APPROPRIATE UNDERWRITERS LABORATORIES (UL) STANDARD (UL 1741 FOR INVERTERS AND COMBINERS, UL 1703 FOR PV MODULES) AND WILL BE TESTED AND CERTIFIED BY ONE OF THE FOLLOWING US NATIONALLY RECOGNIZED TESTING LABORATORIES (NRTL): UL, CSA, ETL, OR TUV RHEINLAND OF NORTH AMERICA. DC CIRCUITS FROM THE PV MODULES TO THE DC PV DISCONNECT ARE IN METAL CONDUITS (RACEWAYS) WHERE INSIDE THE STRUCTURE. (NEC 690.31 (E))
3. ALL PV STRINGS TO USE MANUFACTURED PROVIDED CABLE.
4. SEE E-604 FOR FULL SCHEDULE OF LIGHTING FIXTURES AND OUTLETS
5. ALL LIGHTING AND POWER CIRCUITS SHALL BE CIRCUITED TO NEW PANEL 'RP', UNLESS OTHERWISE NOTED.
6. REFER TO E-107.01 FOR CORE LIGHTING PLAN
7. SWITCHED ILLUMINATION FOR THE PERSONNEL ENTRANCE AND EXIT IS NEC 210.70(A)(2)(B) COMPLIANT.
8. SEE DRAWING E103 FOR SOUTH PORCH EXTERIOR EXIT LIGHTING.

REFERENCE KEYNOTES

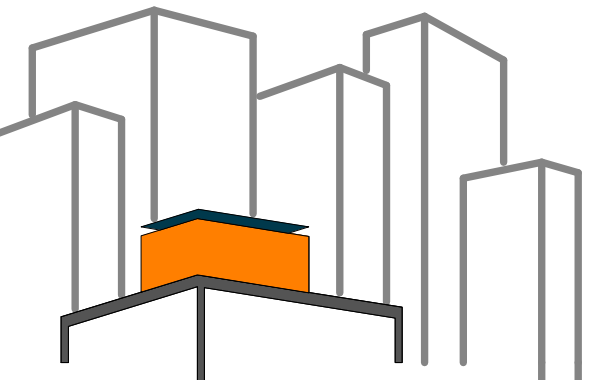
26 51 00.13	MONORAIL TRACK LIGHTING
26 51 00.15	FREE JACK CANOPY
26 51 00.17	CEILING MOUNTED LED LIGHT
26 51 00.19	FLUORESCENT WALL WASHER
26 51 00.21	LED SPOT TASK LIGHT

SHEET KEYNOTES

- 80 LOWERCASE LETTERS ADJACENT TO LIGHT FIXTURES INDICATE DESIRED SWITCHING CONTROL
- 81 PROVIDE BONDING CLIP AT EACH END OF ELECTRICAL WIRE AND PROVIDE ACCESS PANEL FOR FUTURE SEPERATION OF THE TWO PORTIONS OF THE HOUSE (TYP)
- 82 NUMBERS ADJACENT, OR POINTING TO, LIGHT FIXTURE, RECEPTACLES, INDICATE CIRCUIT NUMBERS
- 93 CONNECT TO TRELIS LIGHTS
- 94 CONNECT TO ENTRY AND RAMP LIGHTS
- 95 WALL SWITCH FOR ENTRY AND RAMP LIGHTS (NEC 210.70 (A)(2)(b))

LIGHTING LEGEND

- LED RECESSED DOWNLIGHTS
- LED PENDANT LIGHTS
- LED SPOT LIGHTS FOR TRACK
- FLUORESCENT WALL WASHER, UNDER CABINET TASK LIGHT, CLOSET LIGHT
- SOCKET FOR LED PENDANT IN CASE OF RELOCATION
- HOME RUN TO PANEL BOARD. FOR GREATER NUMBER OF CIRCUITS INDICATE WITH RESPECTIVE NUMBER OF LINES (> 3 WIRES)



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd11@gmail.com



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

REVISIONS: DATE / NAME

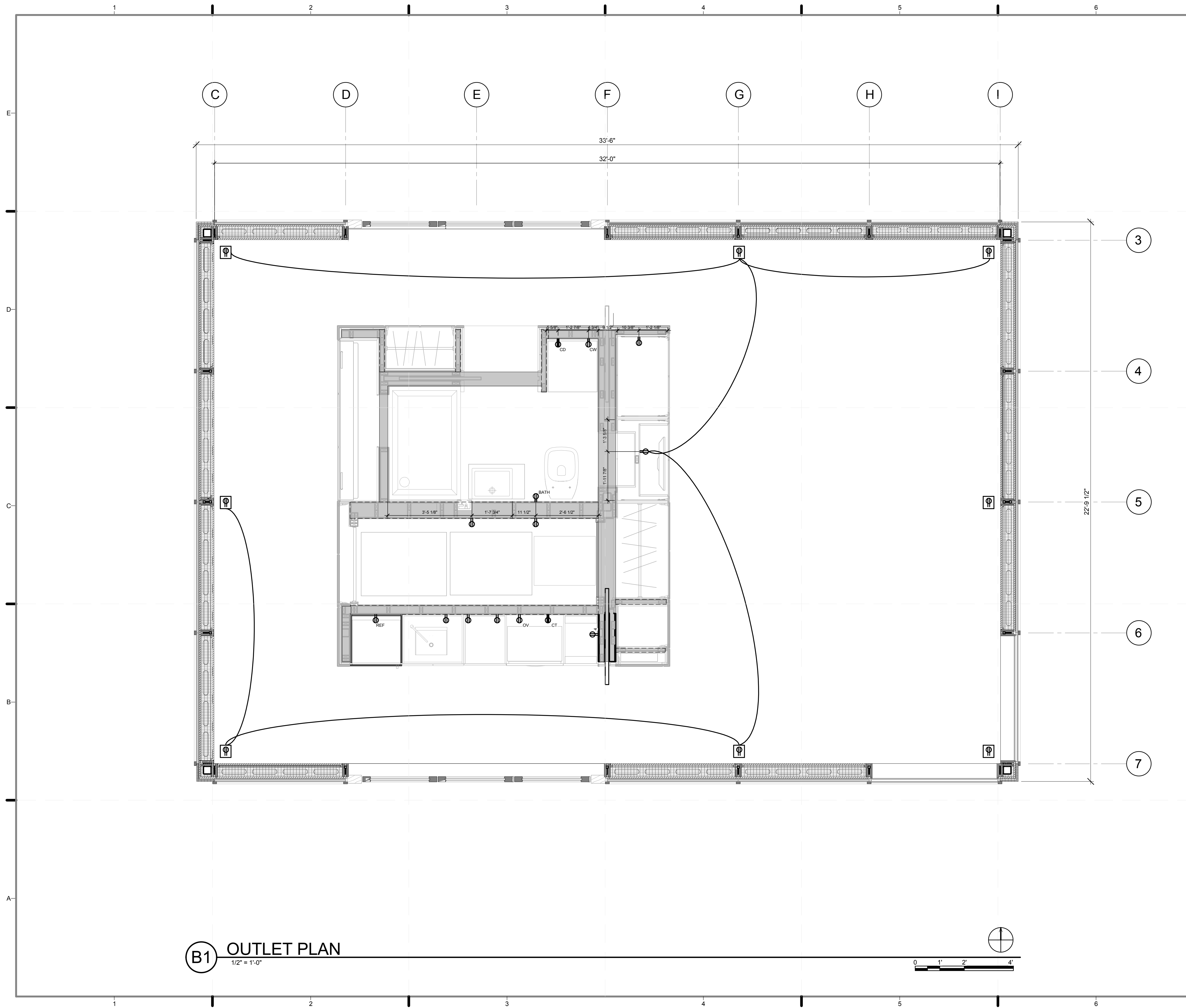
LOT NUMBER: 403
DRAWN BY: ISKRA PETROVA
CHECKED BY: JEGC
DATE: 8/12/2011 10:37:17 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
LIGHTING + WIRING

SCALE: 1/2" = 1'-0"
PLAN #:

E-106.02







B1 OUTLET PLAN
1/2" = 1'-0"

GENERAL SHEET NOTES

1. ALL PV SYSTEMS ARE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH THE 2009 NATIONAL ELECTRICAL CODE (NEC) AND THE 2011 SD RULES AND REGULATIONS.
2. PV MODULES, SOURCE-CIRCUIT COMBINERS, AND UTILITY - INTERACTIVE INVERTERS WILL BE SAFETY CERTIFIED (LISTED) TO THE APPROPRIATE UNDERWRITES LABORATORIES (UL) STANDARD (UL 1741 FOR INVERTERS AND COMBINERS, UL 1703 FOR PV MODULES) AND WILL BE TESTED AND CERTIFIED BY ONE OF THE FOLLOWING US NATIONALLY RECOGNIZED TESTING LABORATORIES (NRTL): UL, CSA, ETL, OR TUV RHEINLAND OF NORTH AMERICA. DC CIRCUITS FROM THE PV MODULES TO THE DC PV DISCONNECT ARE IN METAL CONDUITS (RACEWAYS) WHERE INSIDE THE STRUCTURE. (NEC 690.31 (E))
3. ALL PV STRINGS TO USE MANUFACTURED PROVIDED CABLE.
4. SEE G-002.01 FOR FULL ELECTRICAL SYMBOLS AND NOTES.
5. FLOOR OUTLETS ARE LOCATED SO THAT AN APPLIANCE OR LAMP WITH A FLEXIBLE CORD ATTACHED MAY BE PLACED ANYWHERE IN THE ROOM NEAR A WALL MEET WITH IN 6' OF A RECEPTACLE.
6. OUTLETS ON EXTERIOR WALLS CREATE CAVITIES THAT RESULT IN A LESS AIR TIGHT BUILDING. TEAM NY CHOOSES NOT TO PLACE OUTLETS ON EXTERIOR WALL BUT ACCOMODATES NEC CODE 210.52(A)(1)(2) (3) BY PLACING FLOOR OUTLETS AND INTERIOR WALL OUTLETS ALONG THE INTERIOR WALLS.
7. SEE E-604.01 FOR FULL SCHEDULE OF LIGHTING FIXTURES AND OUTLETS
8. ALL LIGHTING AND POWER CIRCUITS SHALL BE CIRCUITED TO NEW PANEL 'RP', UNLESS OTHERWISE NOTED.
9. NEC 406.11 COMPLIANCE - ALL RECEPTACLES IN DWELLING UNITS ARE TAMPER RESISTANT RECEPTACLES.
10. NEC 250.140 (4) COMPLIANCE - SPLAR ROOF POD CONSTRUCTION UTILIZES A 4-WIRE CONNECTION TO AN ELECTRIC DRYER.
11. NEC 406.8 COMPLIANCE - RECEPTACLES ARE NOT INSTALLED WITHIN OR DIRECTLY OVER A BATHTUB OR SHOWER STALL.
12. NEC 210.52 (D) COMPLIANCE - INDICATED ELECTRICAL RECEPTACLES WITHIN 3' OF THE OUTSIDE EDGE OF EACH BATHROOM BASIN LOCATION. THE RECEPTACLE OUTLET ARE LOCATED ON A WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN COUNTERTOP, OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE THAN 12 INCHES BELOW COUNTERTOP.
13. NEC 210.11 (C) AND NEC 210.52 (D) COMPLIANCE - ONE 20-AMP CIRCUIT FOR BATHROOM RECEPTACLE OUTLETS OR PROVIDES A DEDICATED 20-AMP CIRCUIT FOR THE BATHROOM BEING ADDED. NOTE: BATH LIGHTING SHALL NOT BE AN OUTLET CIRCUIT.
14. NEC 210.8 (A)(1) COMPLIANCE - GFCI PROTECTED OUTLETS ARE SPECIFIED FOR ALL BATHROOM RECEPTACLE

OUTLET LEGEND

-  30 AMP RECEPTACLE
-  GFCI PROTECTED RECEPTACLE (15A, 20A)
-  TAMPER RESISTANT SINGLE OUTLET (15A, 20A)
-  OUTDOOR RECEPTACLE



TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd1@gmail.com



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

REVISIONS:	DATE /	NAME
3	8/8/2011	CHANGED LOCATION OF INTERIOR OUTLETS
3	8/8/2011	ADDED INTERIOR OUTLETS
3	8/8/2011	ADDED GENERAL NOTES 8 TO 15

LOT NUMBER: **403**
DRAWN BY: **ISKRA PETROVA**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:37:22 PM**

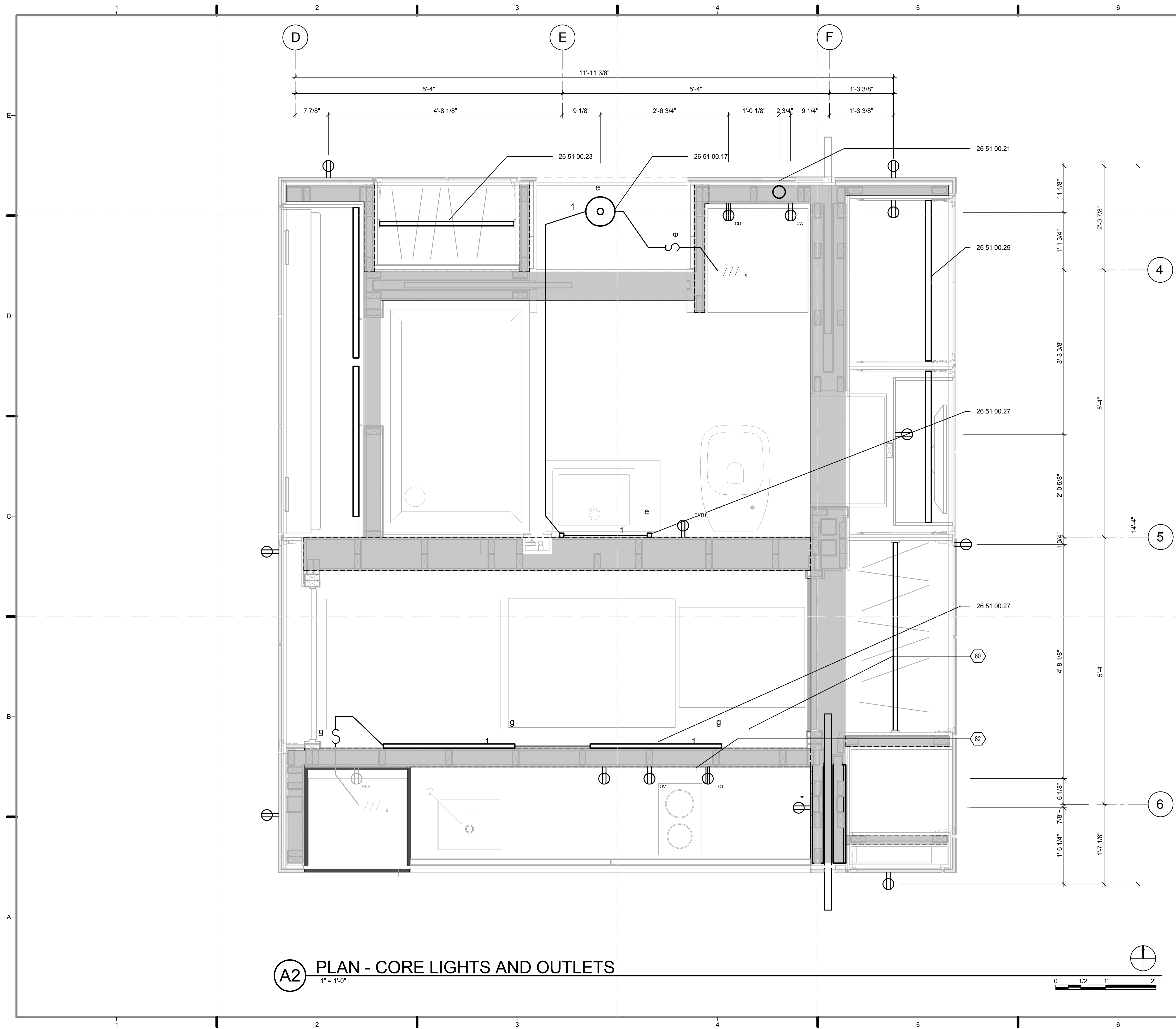
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
OUTLET PLAN

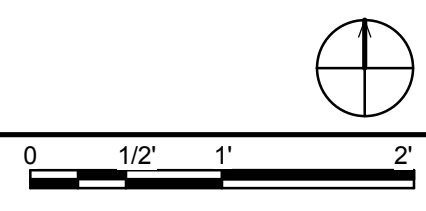
SCALE: **1/2" = 1'-0"**

PLAN #:

E-107.03



(A2) PLAN - CORE LIGHTS AND OUTLETS
1" = 1'-0"



GENERAL SHEET NOTES

1. SEE E-604.01 FOR FULL SCHEDULE OF LIGHTING FIXTURES AND OUTLETS
2. ALL LIGHTING AND POWER CIRCUITS SHALL BE CIRCUITED TO NEW PANEL "RP", UNLESS OTHERWISE NOTED
3. NEC 406.11 COMPLIANCE - ALL RECEPTACLES IN DWELLING UNITS ARE TAMPER RESISTANT RECEPTACLES.
4. NEC 250.140 (4) COMPLIANCE - SPLAR ROOF POD CONSTRUCTION UTILIZES A 4-WIRE CONNECTION TO AN ELECTRIC DRYER.
5. NEC 406.8 COMPLIANCE - RECEPTACLES ARE NOT INSTALLED WITHIN OR DIRECTLY OVER A BATHTUB OR SHOWER STALL.
6. NEC 210.52 (D) COMPLIANCE - INDICATED ELECTRICAL RECEPTACLES WITHIN 3' OF THE OUTSIDE EDGE OF EACH BATHROOM BASIN LOCATION. THE RECEPTACLE OUTLET ARE LOCATED ON A WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN COUNTERTOP, OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE THAN 12 INCHES BELOW COUNTERTOP.
7. NEC 210.11 (C) AND NEC 210.52 (D) COMPLIANCE - ONE 20-AMP CIRCUIT FOR BATHROOM RECEPTACLE OUTLETS OR PROVIDES A DEDICATED 20-AMP CIRCUIT FOR THE BATHROOM BEING ADDED. NOTE: BATH LIGHTING SHALL NOT BE AN OUTLET CIRCUIT.
8. NEC 210.8 (A)(1) COMPLIANCE - GFCI PROTECTED OUTLETS ARE SPECIFIED FOR ALL BATHROOM RECEPTACLE

REFERENCE KEYNOTES

- | | |
|-------------|------------------------------|
| 26 51 00.17 | CEILING MOUNTED LED LIGHT |
| 26 51 00.21 | LED SPOT TASK LIGHT |
| 26 51 00.23 | LED CLOTHES ROD |
| 26 51 00.25 | LED SHELF MOUNTED TASK LIGHT |
| 26 51 00.27 | T4 PERIMETER REVEAL LIGHT |

SHEET KEYNOTES

- | | |
|----|--|
| 80 | LOWERCASE LETTERS ADJACENT TO LIGHT FIXTURES INDICATE DESIRED SWITCHING CONTROL |
| 82 | NUMBERS ADJACENT, OR POINTING TO, LIGHT FIXTURE, RECEPTACLES, INDICATE CIRCUIT NUMBERS |



TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

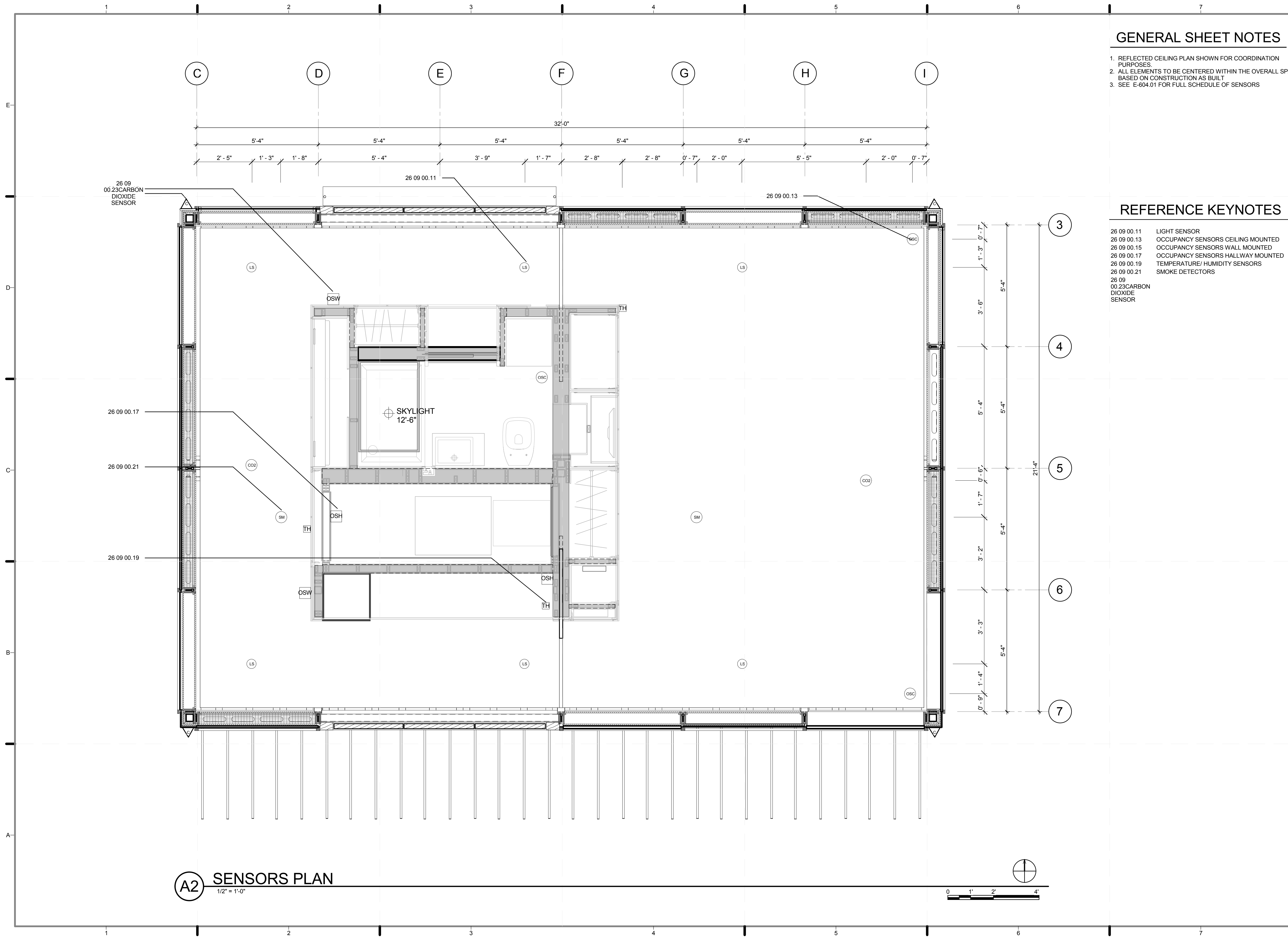
LOT NUMBER: **403**
DRAWN BY: **ISKRA PETROVA**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:37:27 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
CORE LIGHT + OUTLETS

SCALE: **1"=1'**
PLAN #:

E-108.02

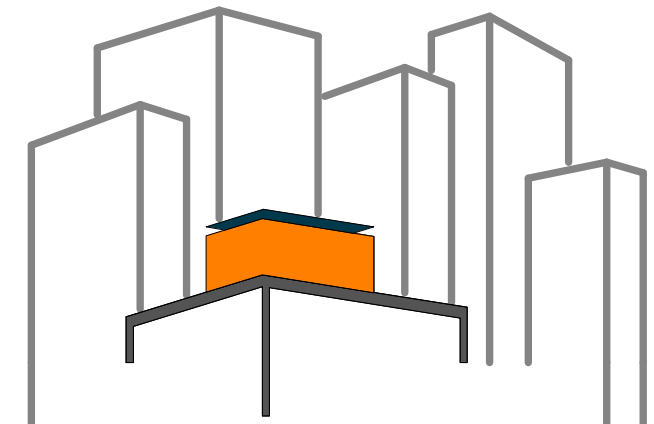


GENERAL SHEET NOTES

1. REFLECTED CEILING PLAN SHOWN FOR COORDINATION PURPOSES.
2. ALL ELEMENTS TO BE CENTERED WITHIN THE OVERALL SPACE BASED ON CONSTRUCTION AS BUILT
3. SEE E-604.01 FOR FULL SCHEDULE OF SENSORS

REFERENCE KEYNOTES

- 26 09 00.11 LIGHT SENSOR
- 26 09 00.13 OCCUPANCY SENSORS CEILING MOUNTED
- 26 09 00.15 OCCUPANCY SENSORS WALL MOUNTED
- 26 09 00.17 OCCUPANCY SENSORS HALLWAY MOUNTED
- 26 09 00.19 TEMPERATURE/HUMIDITY SENSORS
- 26 09 00.21 SMOKE DETECTORS
- 26 09 00.23 CARBON DIOXIDE SENSOR



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **FREDDY URUCHIMA**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:37:30 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

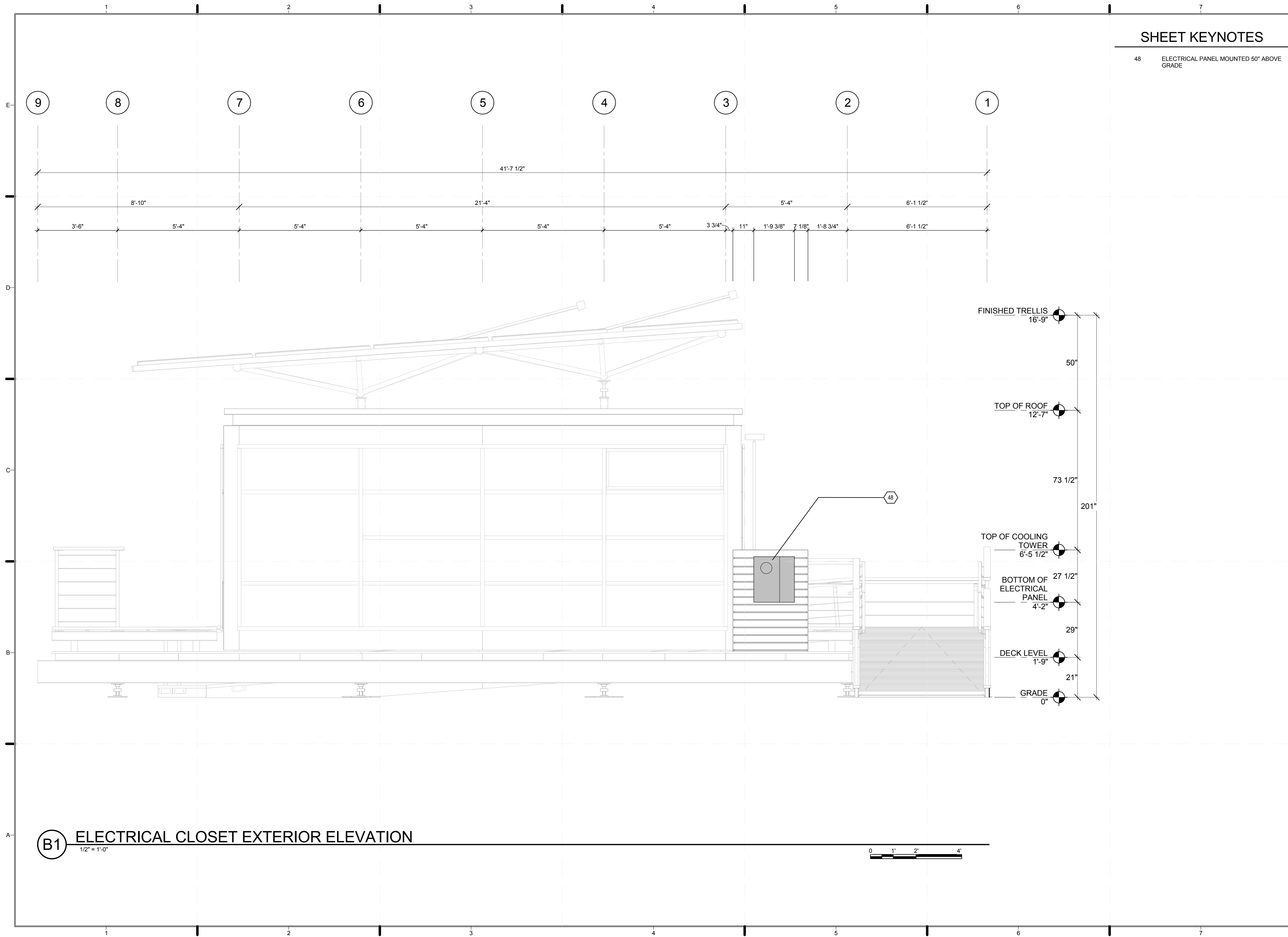
SHEET TITLE:
SENSORS PLAN

SCALE: **1/2" = 1'-0"**

PLAN #:

E-109.01

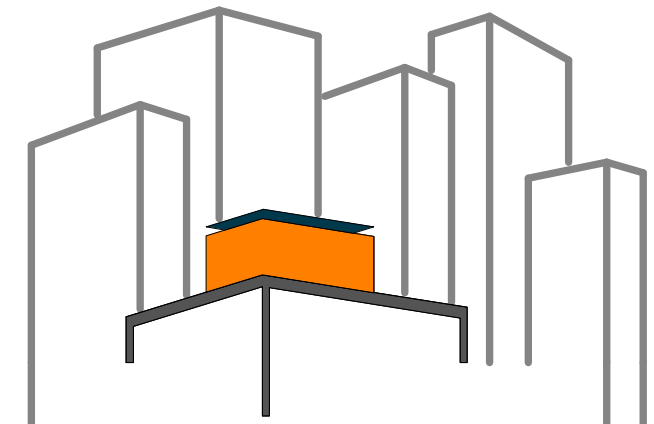
A2 SENSORS PLAN
1/2" = 1'-0"



SHEET KEYNOTES

48 ELECTRICAL PANEL MOUNTED 50" ABOVE GRADE

B1 ELECTRICAL CLOSET EXTERIOR ELEVATION
1/2" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: GIOVANNY GIRALDO
CHECKED BY: JEGC
DATE: 8/12/2011 10:37:49 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
ELECTRICAL PANEL EXTERIOR ELEVATION

SCALE: 1/2" = 1'-0"
PLAN #:

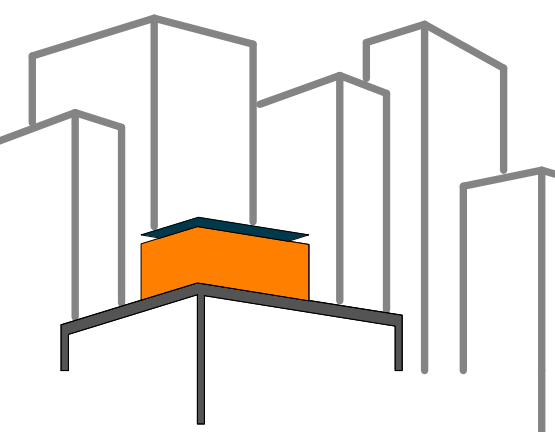
E-201.01

GENERAL SHEET NOTES

1: SEE E-604.01 FOR FULL SCHEDULE OF LIGHTING FIXTURES AND OUTLETS

SHEET KEYNOTES

- 54 GE TM4020CCU MAIN BREAKER LOAD CENTER
- 72 PV SUB PANEL
- 88 MONITORING BOX
- 89 CONTROL BOX
- 91 OPEN BACK PART FOR WIRING
- 92 18"x12" RESERVED FOR ORGANIZERS



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: GIOVANNY GIRALDO

CHECKED BY: JEGC

DATE: 8/12/2011 10:37:52 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

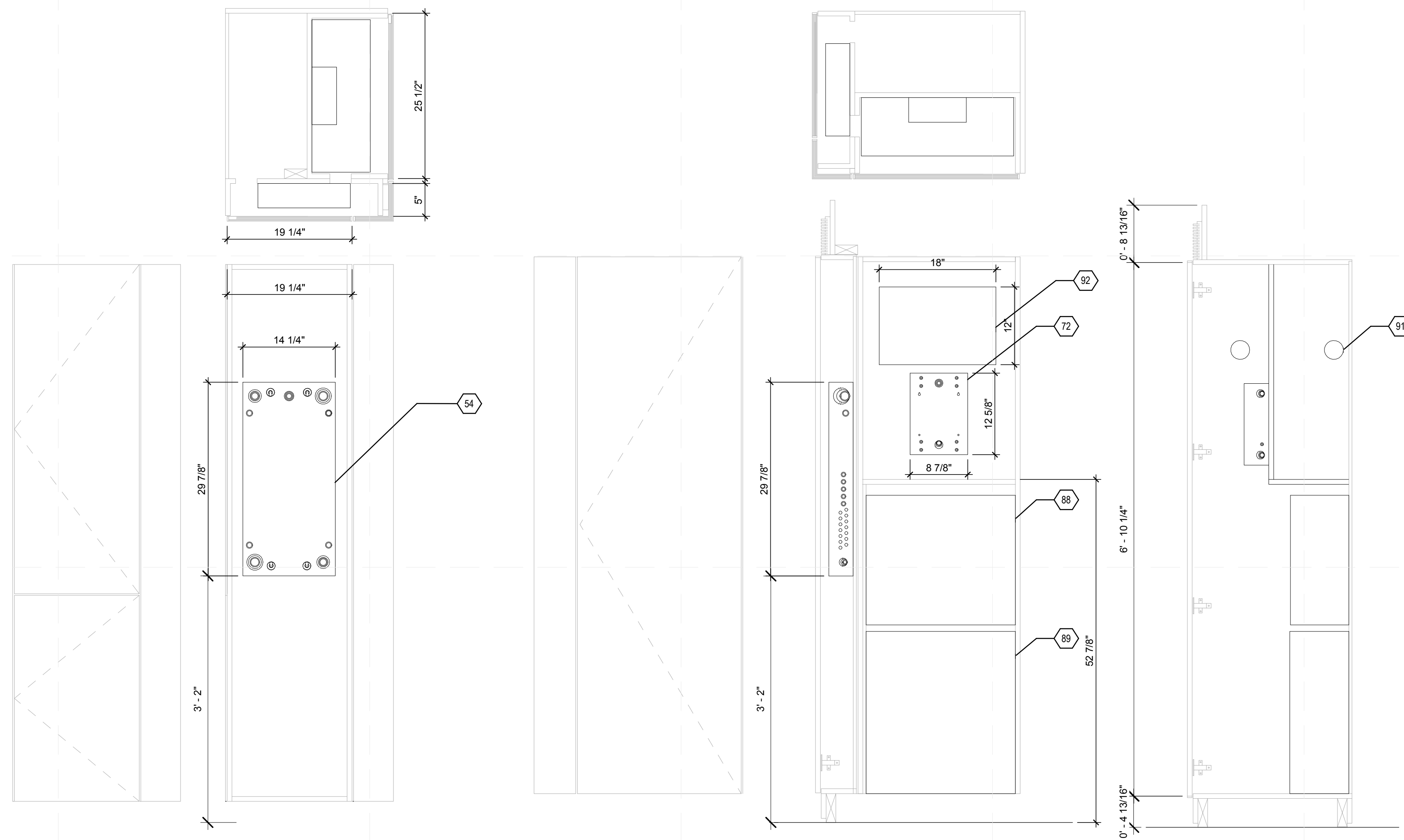
SHEET TITLE:
ELECTRICAL
CLOSET INTERIOR
ELEVATION

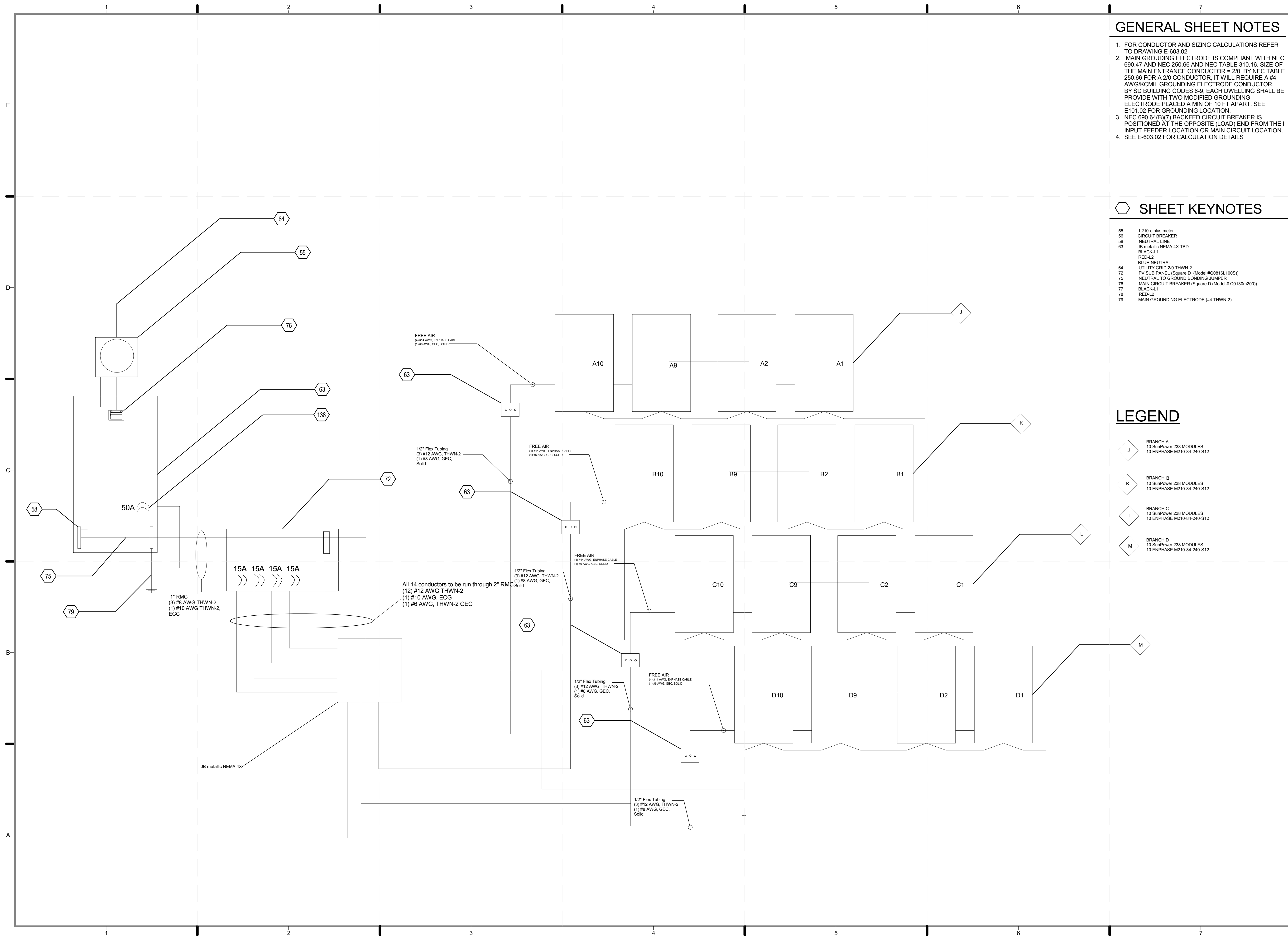
SCALE: 1"=1'

PLAN #:

E-521.02

B1 ELECTRICAL CLOSET INTERIOR ELEVATION
1" = 1'-0"





GENERAL SHEET NOTES

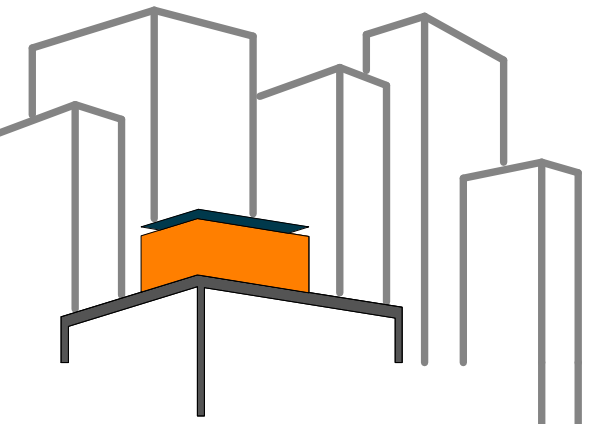
- FOR CONDUCTOR AND SIZING CALCULATIONS REFER TO DRAWING E-603.02
- MAIN GROUNDING ELECTRODE IS COMPLIANT WITH NEC 690.47 AND NEC 250.66 AND NEC TABLE 310.16. SIZE OF THE MAIN ENTRANCE CONDUCTOR = 2/0. BY NEC TABLE 250.66 FOR A 2/0 CONDUCTOR, IT WILL REQUIRE A #4 AWG/KCML GROUNDING ELECTRODE CONDUCTOR. BY SD BUILDING CODES 6-9, EACH DWELLING SHALL BE PROVIDED WITH TWO MODIFIED GROUNDING ELECTRODE PLACED A MIN OF 10 FT APART. SEE E101.02 FOR GROUNDING LOCATION.
- NEC 690.64(B)(7) BACKFED CIRCUIT BREAKER IS POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FEEDER LOCATION OR MAIN CIRCUIT LOCATION.
- SEE E-603.02 FOR CALCULATION DETAILS

SHEET KEYNOTES

- 55 1-210-c plus meter
- 56 CIRCUIT BREAKER
- 58 NEUTRAL LINE
- 63 JB metallic NEMA 4X-TBD
- BLACK-L1
- RED-L2
- BLUE-NEUTRAL
- 64 UTILITY GRID 2/0 THWN-2
- 72 PV SUB PANEL (Square D (Model #Q0816L1005))
- 75 NEUTRAL TO GROUND BONDING JUMPER
- 76 MAIN CIRCUIT BREAKER (Square D (Model # Q0130m200))
- 77 BLACK-L1
- 78 RED-L2
- 79 MAIN GROUNDING ELECTRODE (#4 THWN-2)

LEGEND

- J BRANCH A
10 SunPower 238 MODULES
10 ENPHASE M210-84-240-S12
- K BRANCH B
10 SunPower 238 MODULES
10 ENPHASE M210-84-240-S12
- L BRANCH C
10 SunPower 238 MODULES
10 ENPHASE M210-84-240-S12
- M BRANCH D
10 SunPower 238 MODULES
10 ENPHASE M210-84-240-S12



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd11@gmail.com



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

REVISIONS: DATE / NAME

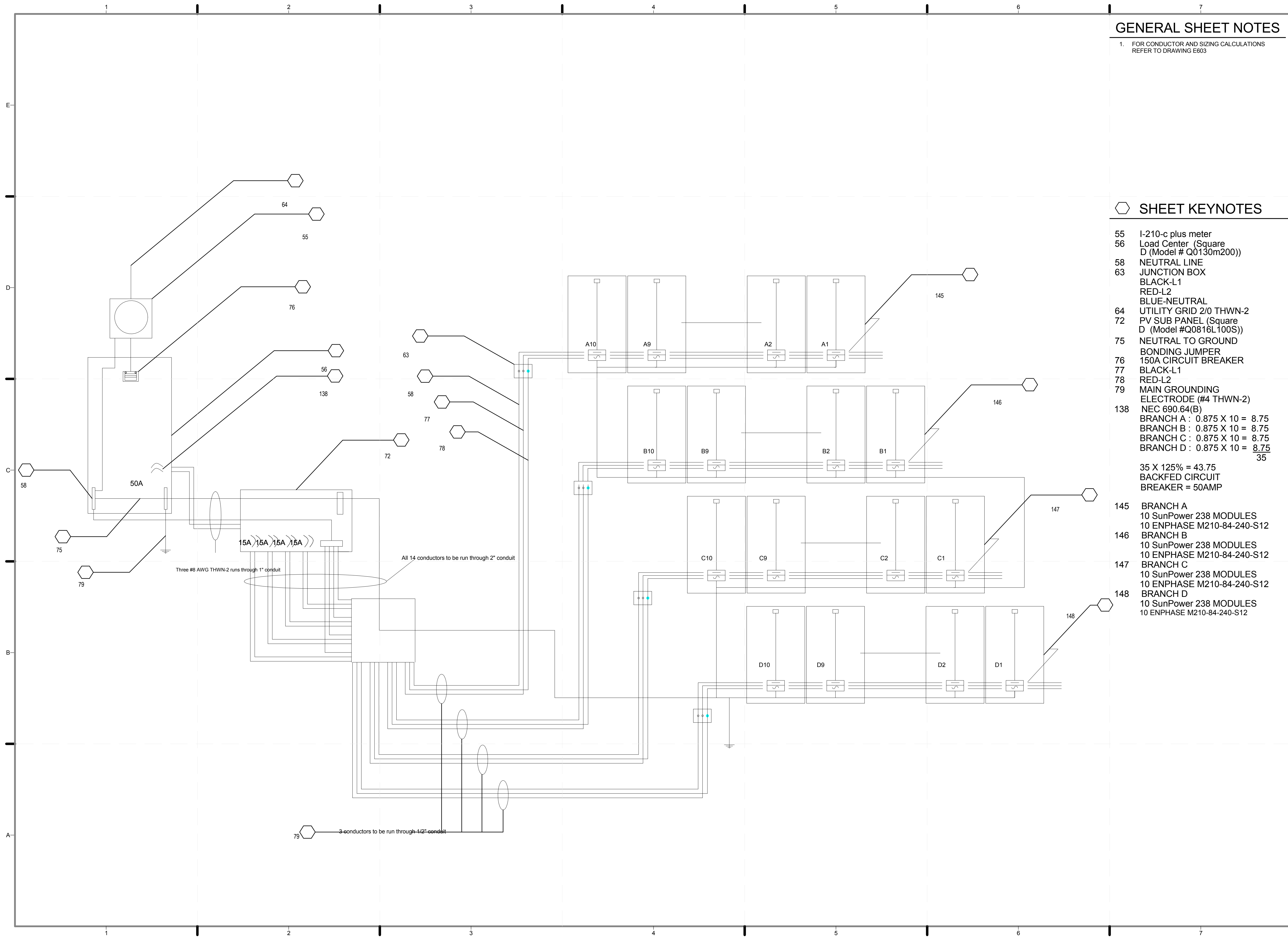
LOT NUMBER: **403**
DRAWN BY: **GIOVANNY GIRALDO**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:37:55 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
ONE-LINE DIAGRAM

SCALE: **1/2"= 1'-0"**
PLAN #:

E-601.02

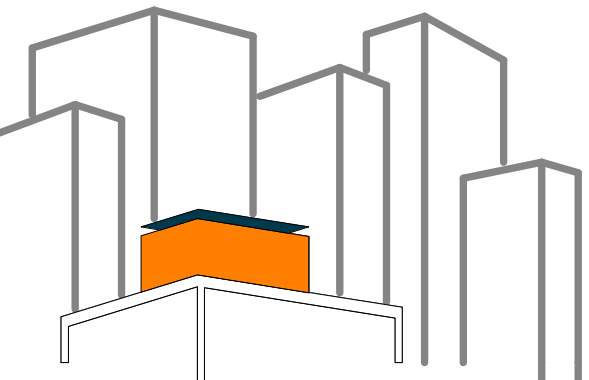


GENERAL SHEET NOTES

- FOR CONDUCTOR AND SIZING CALCULATIONS REFER TO DRAWING E603

SHEET KEYNOTES

- 55 I-210-c plus meter
- 56 Load Center (Square D (Model # Q0130m200))
- 58 NEUTRAL LINE
- 63 JUNCTION BOX
- 64 UTILITY GRID 2/0 THWN-2
- 72 PV SUB PANEL (Square D (Model #Q0816L100S))
- 75 NEUTRAL TO GROUND BONDING JUMPER
- 76 150A CIRCUIT BREAKER
- 77 BLACK-L1
- 78 RED-L2
- 79 MAIN GROUNDING ELECTRODE (#4 THWN-2)
- 138 NEC 690.64(B)
 BRANCH A : 0.875 X 10 = 8.75
 BRANCH B : 0.875 X 10 = 8.75
 BRANCH C : 0.875 X 10 = 8.75
 BRANCH D : 0.875 X 10 = 8.75
 35
- 35 X 125% = 43.75
 BACKFED CIRCUIT BREAKER = 50AMP
- 145 BRANCH A
 10 SunPower 238 MODULES
 10 ENPHASE M210-84-240-S12
- 146 BRANCH B
 10 SunPower 238 MODULES
 10 ENPHASE M210-84-240-S12
- 147 BRANCH C
 10 SunPower 238 MODULES
 10 ENPHASE M210-84-240-S12
- 148 BRANCH D
 10 SunPower 238 MODULES
 10 ENPHASE M210-84-240-S12



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

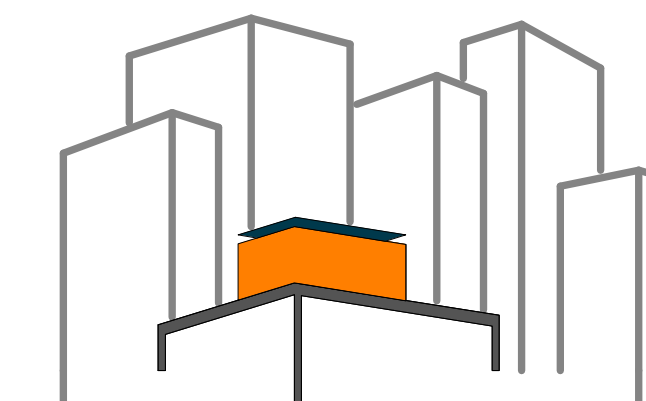
LOT NUMBER: 403
DRAWN BY: GIOVANNY GIRALDO
CHECKED BY: JEGC
DATE: 8/12/2011 10:37:58 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
**THREE-LINE
DIAGRAM**

SCALE: 1/2" = 1'-0"
PLAN #:

E-602.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

3 8/8/2011 DELETED GENERAL NOTE

3 8/8/2011 REVISED CALCULATIONS AS DIRECTED ON 5/03/2011

LOT NUMBER: 403

DRAWN BY: GIOVANNY GIRALDO

CHECKED BY: JEGG

DATE: 8/12/2011 10:38:00 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SERVICE + FEEDER
CALCULATIONS

SCALE: NTS

PLAN #:

E-603.03

PV Calculation

Maximum Output from the Microinverters = 210W
210W / 240V = 0.875 Amp
NEC 690.64(B)

Branch A, B, C, D
Circuit current calculation

maximum output power
210W / 240V = 0.875 Amp
0.875 A X 10 = 8.75
overcurrent protection calculation
8.75 X 1.20 = 10.5
Conclusion
2 poles 15 Amp Circuit Breaker

Wire Sizing and Overcurrent Protective Device

For overcurrent protection the size of the wires will be 12AWG THWN-2 conductors. All 10 conductors will be housed through a 2" EMT.

NEC 310.15(B)(2)
Design Temperature for New York City= 106 °F
Distance Above Roof to Bottom of Conduit = 3 1/2 in to 12 in
Temperature Adder = 40 °F
Compensated Ambient Temperature = 106 °F + 40°F = 146°F
Number of carrying conductor = 4
According to (NEC table 310.16) for 12AWG THWN-2
Correction Factor = 0.58
10.5 Amp / 0.58 = 18.1034 Amp
In conclusion the Conductor size = 12AWG
[NEC Chapter 9 Table 5 Dimensions of Insulated Conductors and Fixture Wires]
QTY =10
12AWG Approximate Area = 0.0133 in²
14 X 0.0133 in² = 0.1862 in²

[NEC Chapter 9 Article 358 Electrical Metallic Tubing EMT]
1" internal diameter = 1.049 in²
3/4" internal diameter = 0.824 in²

Main Circuit Breaker Sizing

NEC 690.64 Point of Connection

Bus Bar = 200A
Back Fed Breaker = 70A
Main Service Breaker = X

Back Fed Breaker + Main Service Breaker < Bus Bar * 120%
70 + X < 200*1.2
70 + X < 240
X < 170A

So the Main Service Breaker = 150A

Feeder and Service Calculations

Lighting load for specified occupancies [NEC 210.12]
Area=700 sq ft
700 sq ft * 3VA per sq ft = 2100VA

Minimum number of branch circuit required [NEC 210.11(A)]
2100VA / 120V = 17.5A 1 20A circuit or 2 15A circuit
Branch circuit required for Dwelling Units [NEC 210.11(C)]

(1) Small-Appliances: 2 20A circuit
Rated at 1500VA each [NEC 220.52(A)]

(2) Laundry 1 20A circuit
Rated at 1500VA each [NEC 220.52(B)]

(3) Bathroom 1 20A circuit

Total = at least 5 branch circuits

Other Loads [NEC 220.14]
(A) Specific Appliances or Loads

Appliance	Rating (Volts * Amps)	Load (VA)
Refrigerator	115V * 15A	1725VA
Hood	120V * 3.7A	444VA
Dishwasher	120V * 9A	1080VA
Washer	120V * 12A	1440VA

(B) Electric Dryers and Household Electric Cooking Appliances

Oven	120V * 15A	1800VA
Cooktop	240 * 7.7A	1848VA
Range	1800VA+1848VA=3648VA 3648VA*0.75=2736VA [NEC Table 220.55]	2736VA

Dryer
240V * 12.5A= 3000VA
NEC 220.54 3000VA * 2 = 6000VA
NEC 220.61(B) 6000VA * 0.70=4200
[NEC Table 220.54]

(C) Motor Loads

Chiller Water Pump (NRF36)	115V * 2.347A	270VA
Solar Collector Pump (NRF36)	115V * 2.347A	270VA
Cooling Tower Pump (NRF36)	115V * 2.347A	270VA
Driving Heat Pump (NRF33)	115V * 1.087A	125VA
Radian Heat Pump (NRF22)	115V * 0.8A	92VA
DWH Pump (NRF 22)	115V * 0.8A	92VA
Absorption Chiller	230V * 0.03A	7VA

Total: 18499VA

General Loads [NEC 220.82(B)] 100% of the first 10 kVA plus 40% of the remainder

General Lighting	2100VA
Small Appliances	2(1500VA)
Laundry	1500VA
Bathroom	1500VA
Other Loads [from NEC 220.14]	17299VA
Total	25,399VA

Total General Load 10,000VA + 0.40 (25,399VA - 10,000VA) = 16,159.6VA

Total Feeder Amperage Load 16,159.6VA 240V = 67.332A

Module Compatibility

Enphase Microinverter (M210-84-240-S12) Technical Data

Input Data DC		
Max. Input DC voltage	V	62
Peak Power Tracking	V	31 - 50
Min./Max. DC short circuit current	V/V	38V / 62
Max. DC short circuit current	A	12
Max. Input current	A	10

Output Data AC		
Max. Output power	W	210
Nominal Output Current	A	0.88
Power Factor		>0.95
Max. units per branch		15

Efficiency		
Peak inverter efficiency	%	96.0

The system should be design to determine the specifications of a PV module so it will not exceed the microinverter model's nameplate ratings under all expected environmental conditions for a given application. There are two considerations for Voc; according to the National Weather Service Forecast Office the lowest temperature ever recorded in New York City was -15°F (-26°C) on February 9, 1934. And the highest temperature ever recorded was 106°F (41°C). First, we consider Voc at the highest expected cell temperatures to verify that the Voc will meet the inverter's minimum start up voltage.

Voltage Correction Factor for Ambient Temperature -26°C to -30° is 1.21 X Voc as per NEC code: 690.7
SunPower (E19/328) Voc = 48.5V
Voc X 1.21 = Corrected Voltage
48.5V X 1.21 = 46.464 V
Maximum Inverter Input Voltage = 58.685V

* Voc at the highest expected temperature:
 $(Voc) + (Voc) * (\text{Highest Expected Cell Temp.} - \text{STC}) * (\text{Temp. Coefficient} / 100) > 38V$
 $48.5 + [(48.5) * (41-25) * (-0.29/100)] > 38V$
 $46.2496 > 38V$

* Voc at the lowest expected temperature:
 $(Voc) + (Voc) * (\text{Lowest Expected Cell Temp.} - \text{STC}) * (\text{Temp. Coefficient} / 100) \leq 56V$
 $48.5 + [(48.5) * (-26-25) * (-0.29/100)] \leq 56V$
 $55.6732 \leq 62V$

The same as the Voc we also have to consider Vmp. First, we should consider Vmp at the highest expected cell temperature to ensure that the inverter will be able to perform Maximum Power Point Tracking.

* Vmp at the the highest expected temperature:
 $(Vmp) + (Vmp) * (\text{Highest Expected Cell Temp.} - \text{STC}) * (\text{Temp. Coefficient} / 100) \geq 22V$
 $40.5 + [(40.5) * (41-25) * (-0.29/100)] \geq 31V$
 $38.6208V \geq 31V$

* Vmp at the lowest expected temperature:
 $(Vmp) + (Vmp) * (\text{Lowest Expected Cell Temp.} - \text{STC}) * (\text{Temp. Coefficient} / 100) \leq 40V$
 $40.5 + [(40.5) * (-26-25) * (-0.29/100)] \leq 50V$
 $46.49 \leq 50V$

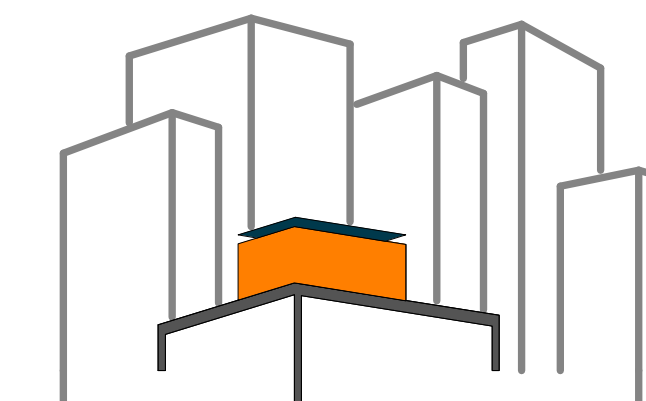
The Isc calculation must be made for Isc at high temperature to certify that the maximum fuse rating of the module is less than or equal to the inverter's rated maximum short circuit current.

$Isc + (Isc) * (\text{Highest Expected Cell Temp.} - \text{STC}) * (\text{Isc Temp. Coefficient} \% / 100) \leq 12A$
 $6.25 + [(6.25) * (41-25) * (0.05/100)] \leq 12A$
 $6.3 < 12A$

This can also be calculated by $I_{max} = I_{sc} * (1 + [(\beta / 100) * \Delta T]) * 1.25$
 $= 6.25 * (1 + [(0.05/100) * 50]) * 1.25$
 $= 8.00781$
 $8.00781 < 12A$

PV Panel		
Electrical Parameters at STC (1000 W/m ² , 25°C, AM 1.5 according		
Module Name		SunPower 238
Module Type		E19/238
Power Output, P _{mpp}	W	238
Module Efficiency	%	19.1
Voltage at P _{mpp} , V _{mpp}	V	40.5
Current at P _{mpp} , I _{mpp}	A	5.88
Open Circuit Voltage	V	48.5
Short Circuit Current	A	6.25
Max. System Voltage	IEC	1000V
Max. Series fuse rating	A	20

Thermal Parameters		
NOCT (Nominal Operating Cell Temp)	°C	45 +/- 2
Temp. Coefficient of the short circuit current, I _{sc}	mA / C	0.050
Temp. Coefficient of the open circuit voltage, V _{oc}	mV / C	-0.29
Temp. Coefficient of the MPP power, P _{mp}	% / C	-0.37



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
cnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: ISKRA PETROVA

CHECKED BY: JEGC

DATE: 8/12/2011 10:38:02 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

BREAKER, HVAC,
LIGHTING
SCHEDULES

SCALE: NTS

PLAN #:

E-604.02

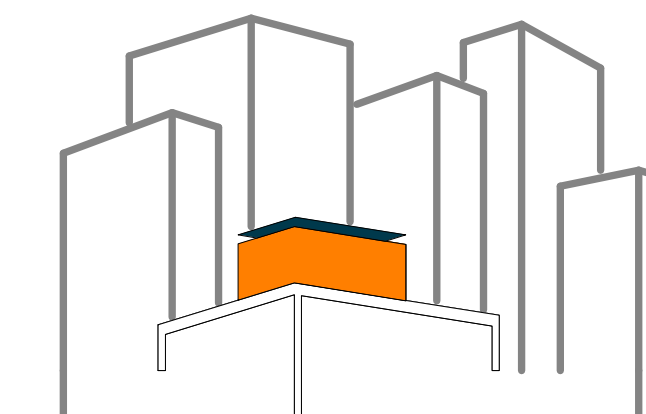
CIRCUIT BREAKER LOAD CENTER				VOLTS : 120/240V		PHASE : 1Ø				
SQUARE D (QO130M200)				Ampere Rating: 200A		Wire Size: #4 to 250 AWG/kcmil (Al/Cu)				
30 CIRCUITS										
BRANCH CIRCUITS				BRANCH CIRCUITS						
CKT. No.	CIRCUIT BREAKER		DESCRIPTION	A	B	CKT. No.	CIRCUIT BREAKER		DESCRIPTION	
	POLE	AMPS					POLE	AMPS		
1	1	15	Lighting (Bedroom/ Kitchen)	AFCI		2	1	20	Lighting (Living Room/ Wall Wash/ North Side/ Bathroom)	AFCI
3	1	15	Exterior Lighting (Ramp Area)	AFCI		4	1	20	Dishwasher	
5	1	20	Cloth Washer			6	2	30	Cloth Dryer	
7	1	20	Skylight			8				
9	2	20	Cooktop			10	1	20	Refrigerator	
11							12	1	20	Oven & Hood
13	1	20	Kitchen Countertop receptacle	AFCI		14	1	20	Lighting (Exterior)	AFCI
15	1	20	Desk Receptacle	AFCI		16	1	20	Irrigation Pump	
17	1	20	Monitor System			18	1	20	Floor Receptacle & TV	AFCI
19	1	20	Skylight			20	1	20	Chiller Water Pump	
21	2		Absorbition Chiller			22	1	20	Solar Collector Pump	
23							24	1	20	Cooling Tower Pump
25	1	20	Control System			26	1	20	Radian Heat and Driving Heat Pump	
27	1	20	Receptacle (Exterior)	AFCI		28	2	50	PV Back Feed Breaker	
29	1	15	DWW Pump			30				

Note: * For Receptacles model and circuit breaker sizing refer to E-605
* For Circuit Breaker Load sizing Refer to E-603
* All pumps are sized according to NEC 430.52(C)(1)

PV Sub Panel				Wire Size: #8-1/0 AWG(Al/Cu)	
SQUARE D (QO816L100S)				PHASE : 1Ø	
6 CIRCUITS					
VOLTS : 120/240V				Ampere Rating: 100A	
BRANCH CIRCUITS					
CKT. No.	CIRCUIT BREAKER		DESCRIPTION		
	POLE	AMPS			
1	2	15	PV Branch A		
2					
3	2	15	PV Branch B		
4					
5	2	15	PV Branch C		
6					
7			PV Branch D		
8					

HVAC SCHEDULE					
PRODUCT TYPE	MANUFACTURE	MODEL NUMBER	VOLTAGE	AMPS	POWER
CHILLER WATER PUMP	BELL AND GOSSET	NRF36	115	2.3470	270VA
SOLAR COLLECTOR PUMP	SOLAR US	S011	115	2.42	279VA
COOLING TOWER PUMP	RSD FIBER COOLING TOWER	RSD 005	115	4.86	559VA
DRIVING HEAT PUMP	BELL AND GOSSET	NRF33	115	1.0870	125VA
RADIANT HEAT PUMP	GRUNDFOS	ALPHA	115	1.62	186VA
DWW PUMP	BELL AND GOSSET	NRF22	115	0.8000	92VA
ABSORPTION CHILLER	SORTECH AG	ACS 08	230	0.0300	7VA

LIGHTING SCHEDULE											
PRODUCT NAME	PART OF HOME RUN	PRODUCT NUMBER	WATTAGE	COLOR	CAP-BASE	BULB	VOLTAGE	LUMINOUS FLUX	CRI	COLOR TEMPERATURE	DIMMABLE
ENDURALED MR16 7W 3000K 12V	CIRCUIT A	410035	7	WH	GU5.3	MR16	12	N/A	80	3000	YES
ENDURALED 3W 2700K B11 DIMMABLE	CIRCUIT B	412017	3	WW	E12	B11	120	130	90	2700	YES
ENDURALED 12 W 2700K PAR30S DIMMABLE	CIRCUIT D & H	410118	12	WW	N/A	PAR30S	120	660	N/A	2700	YES
2T6	CIRCUIT E	BT6200-20	17	N/A	N/A	N/A	120	N/A	N/A	N/A	YES
2T5	CIRCUIT F	F28T5	28	WW	3 PRONG UNIT	T5	120	2900	82	3000	YES
T8	CIRCUIT G	338108	44	N/A	2 PRONG UNIT	T8	120	N/A	85	4100	N/A



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: GIOVANNY GIRALDO

CHECKED BY: JEGC

DATE: **8/12/2011 10:38:04 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

**APPLIANCE,
RECEPTACLE,
SENSOR
SCHEDULES**

SCALE: **NTS**

PLAN #:

E-605.02

APPLIANCE SCHEDULE

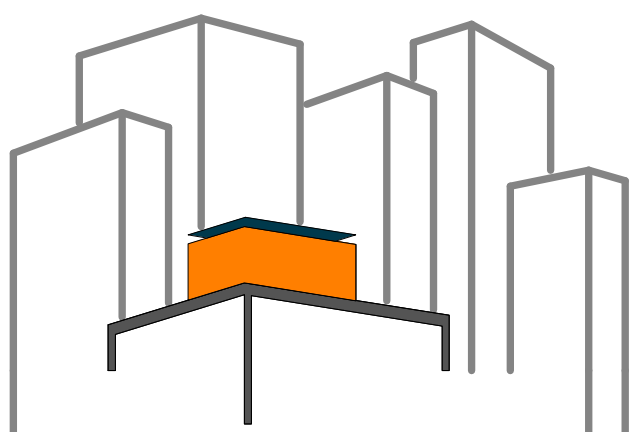
PRODUCT TYPE	MANUFACTURER	PRODUCT NAME	MODEL #	VOLTAGE	AMPS	POWER
DISHWASHER	GE	GE PROFILE 18" BUILT IN DISHWASHER	POW1800NII	120	12	1440VA
CLOTHES WASHER	GE	GE 2.6 IEC CU FT CAPACITY FRONTLOAD WASHER	WCVH4800K	120	9	1080VA
CLOTHES DRYER	GE	GE 4.0 CU FT CAPACITY FRONTLOAD ELECTRIC DRYER	DCVH480	240	12.5000	3125VA
OVEN	GE	GE PROFILE ADVANTIUM 120V-27" WALL OVEN	PSB1001NSS	120	15	1800VA
HOOD	GE	GE PROFILE 30" SLIDE OUT HOOD	JV394SBB	120	3.7000	444VA
COOK TOP	SUMMIT	INDUCTION COOKTOP	SINC2220	240	7.7000	1848VA
REFRIGIRATOR/FREEZER	LEIBHERR	COMBINATION REFRIGERATOR AND FREEZER	HC1101	115	15	1725VA

APPLIANCE RECEPTACLE SCHEDULE

PRODUCT TYPE	CIRCUIT	MAX LOAD	WIRES SIZE	BREAKER	RECEPTACLE RATING	RECEPTACLE TYPE	RECEPTACLE MODEL NUMBER
DISHWASHER	4	15*1.25=18.75A	12/2	20A	20A	HARDWIRE	R52-T5020-0WS
CLOTHES WASHER	5	15*1.25=18.75A	12/2	20A	20A	LEVITON 20A TAMPER-RESISTANT SINGLE POWER OUTLET	R52-T5020-0WS
CLOTHES DRYER	6/8	5500/240=22.92 22.92x1.25=28.64 NEC 220.54	10/3	2pole 30A	30A	LEVITON 30A, 250V, SINGLE FLUSH RECEPTICAL	2720
OVEN	12	15*1.25=18.75A	12/2	20A	20A	LEVITON 20A TAMPER-RESISTANT SINGLE POWER OUTLET	R52-T5020-0WS
HOOD	7	3.7*1.25=4.63A	14/2	15A	15A	HARDWIRE	R52-T5015-0WS
COOK TOP	9/11	7.7*1.25=9.63A	12/3	2 pole 20A	20A	LEVITON 20A TAMPER-RESISTANT SINGLE POWER OUTLET	XX-XXX-XX
REFRIGIRATOR/FREEZER	10	15*1.25=18.75A	12/2	20A	20A	LEVITON 20A TAMPER-RESISTANT SINGLE POWER OUTLET	R52-T5020-0WS
FLOOR RECEPTACLES	18	2*1.2=2.4A	12/2	5A		LEW SINGLE GANG CAST BOX, SEMI ADJUSTABLE	SH-1101-58
WALL RECEPTACLES	13/15/17/19		12/2			LEVITON 20A TAMPER-RESITANT DUPLEX POWER OUTLET	T5825
BATHROOM RECEPTACLES	17		12/2			LEVITON 20A SLIM WHITE TAMPER RESISTANT GFCI	R02-X7899-0KW
OUTDOOR RECEPTACLES	27		12/2			LEVITON 20A TAMPER-RESISTANT DUPLEX POWER OUTLET (210.52 Dwelling unit receptacle outlet, GFCI protect, rated cover)	T5825

SENSOR SCHEDULE

SENSOR	ID	PART NUMBER	QTY	TYPE	H in/ (MM)	W/Dia in/ (mm)	L in/ (mm)	VENDOR
SMOKE DETECTOR	SM	2951J MODEL NUMBER	2	CEILING TYPE MOUNT	2.1/ (53)	6.1/ (155)	---	SCHNEIDER
TEMPERATURE/ HUMIDITY SENSOR	TH	VER-HW2-M	3	INSIDE WALL TYPE MOUNT	4 3/4 / (121)	1 5/16 / (24)	3 1/8 / (79)	SCHNEIDER
CARBON DIOXIDE DETECTOR	C	CD-W00-00-1	4	OUTSIDE TYPE MOUNT	4 2 3/32 / (120)	3 5/32 / (80)	1 7/32 / (31)	SCHNEIDER
LIGHT SENSOR	LS	LRF2-DCRB-WH	6	CEILING TYPE MOUNT (WIRELESS)	0.7 / (17)	1.6 / (41)	---	LUTRON
OCCUPANCY SENSOR	OSC	LRF2-OCRB-P-	3	CEILING TYPE MOUNT (WIRELESS)	0.7 / (17)	1.6 / (41)	---	LUTRON
OCCUPANCY SENSOR	OSH	LRF2-OHLB-P-WH	3	HALL TYPE MOUNT (WIRELESS)	4.35 / (110)	1.35 / (34)	1.8 / (46)	LUTRON
OCCUPANCY SENSOR	OSW	LRF2-OWLb-P-WH	1	WALL TYPE MOUNT (WIRELESS)	4.35 / (110)	1.35 / (34)	1.8 / (46)	LUTRON



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: FREDDY URUCHIMA

CHECKED BY: JEGC

DATE: 8/12/2011 10:38:05 PM

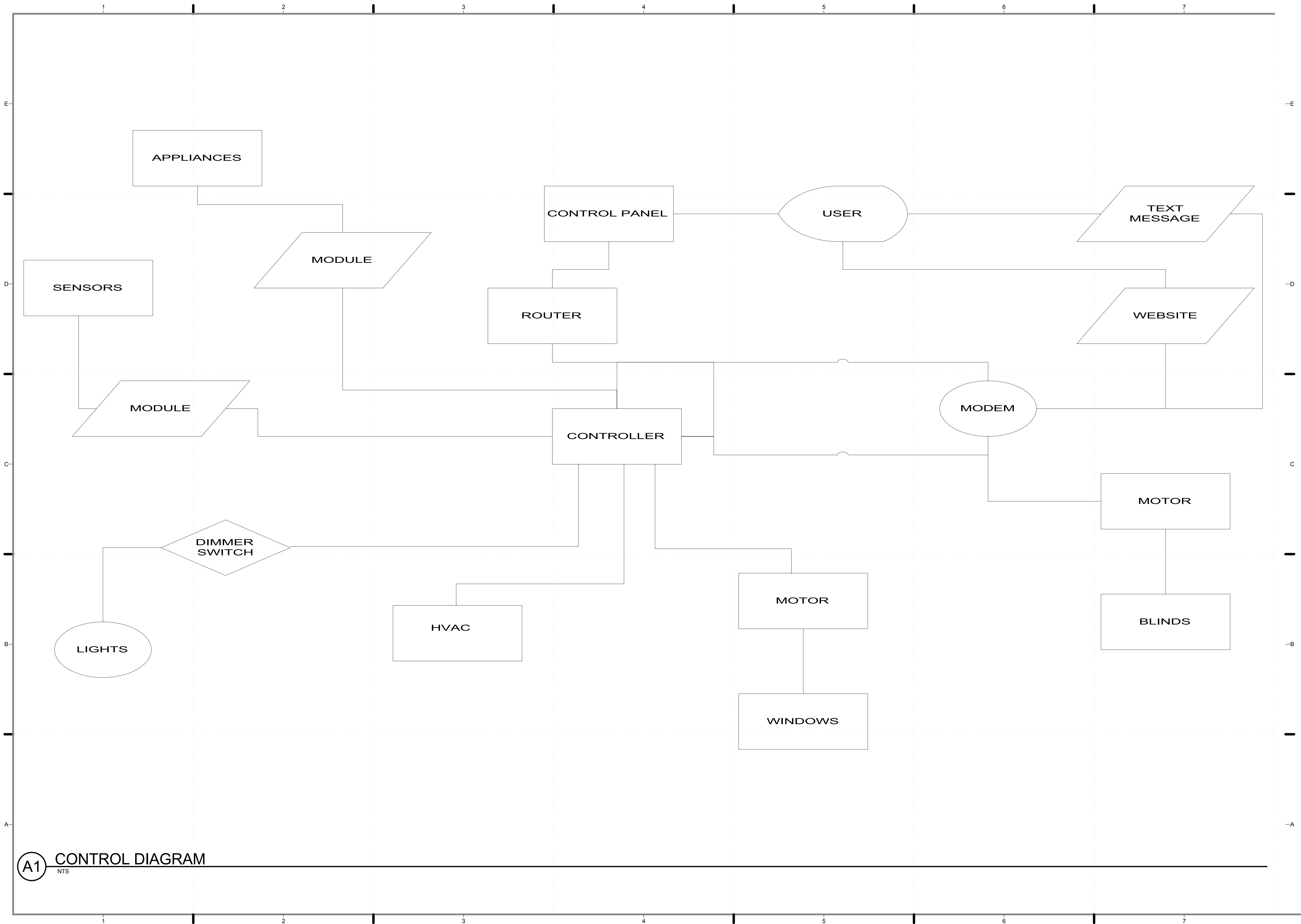
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
CONTROL DIAGRAM

SCALE: NTS

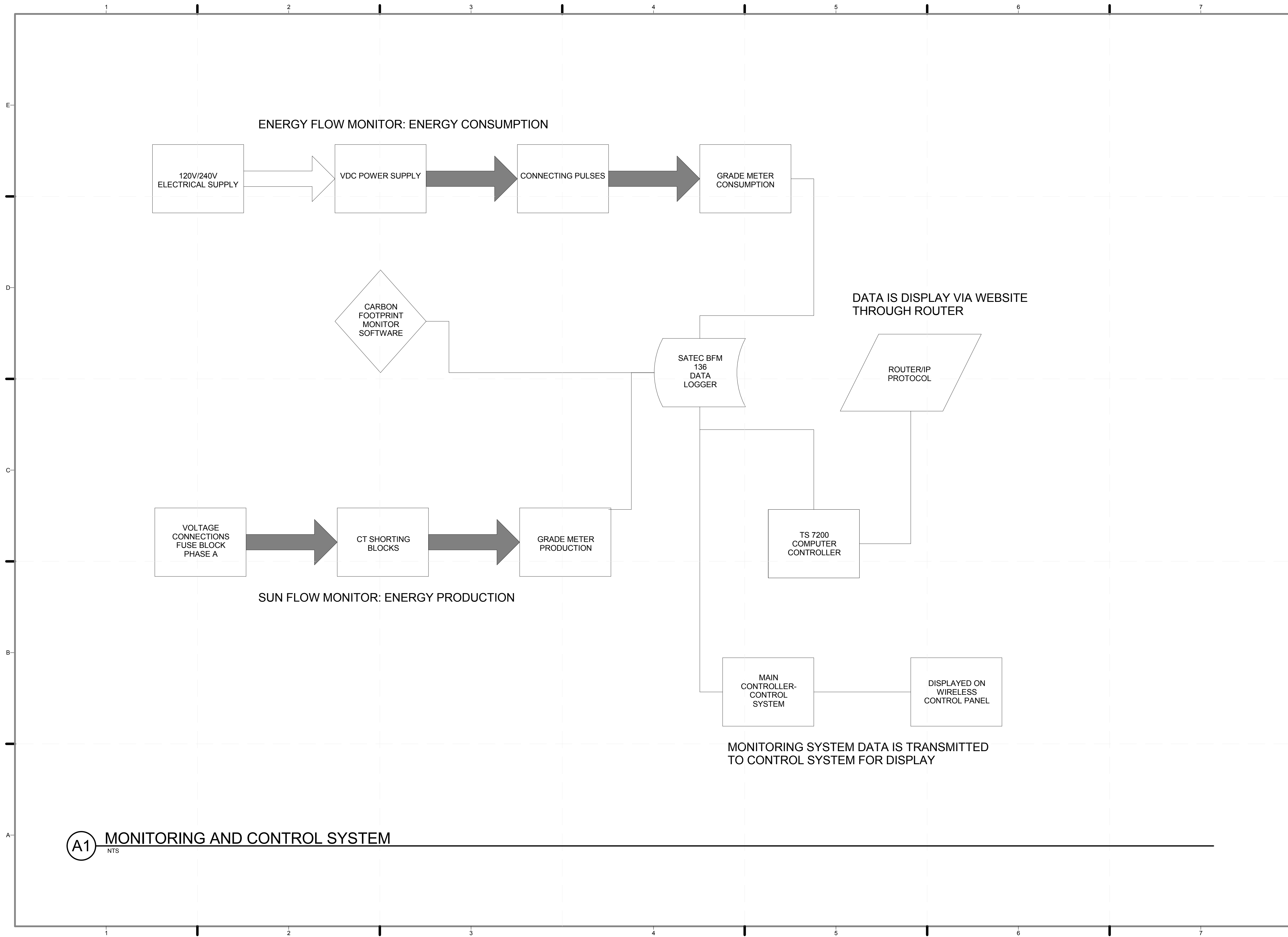
PLAN #:

E-611.02

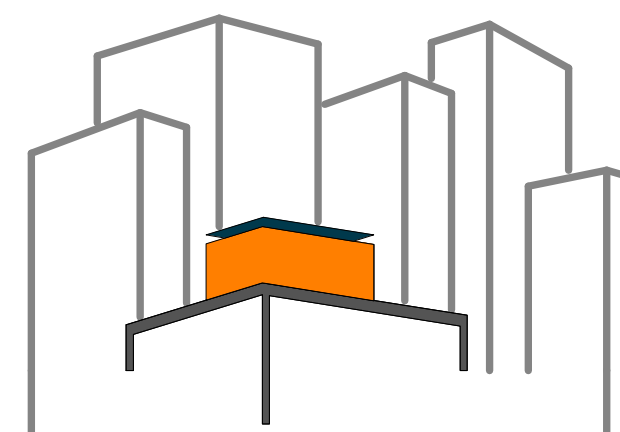


A1 CONTROL DIAGRAM

NTS



A1 MONITORING AND CONTROL SYSTEM
NTS



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **FREDDY URUCHIMA**
CHECKED BY: **JEGC**
DATE: **8/12/2011 10:38:06 PM**

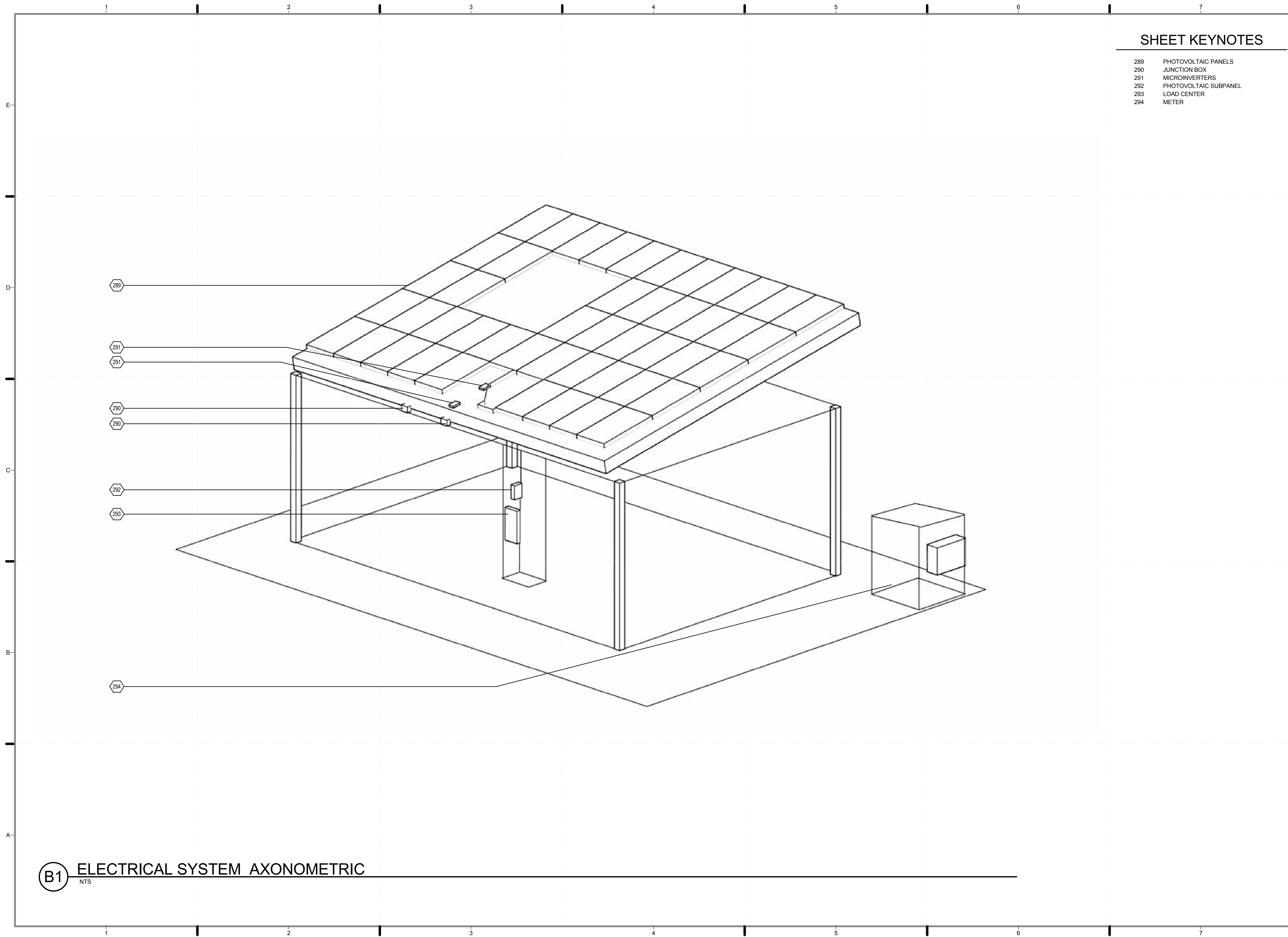
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MONITORING AND CONTROL DIAGRAM

SCALE: **NTS**

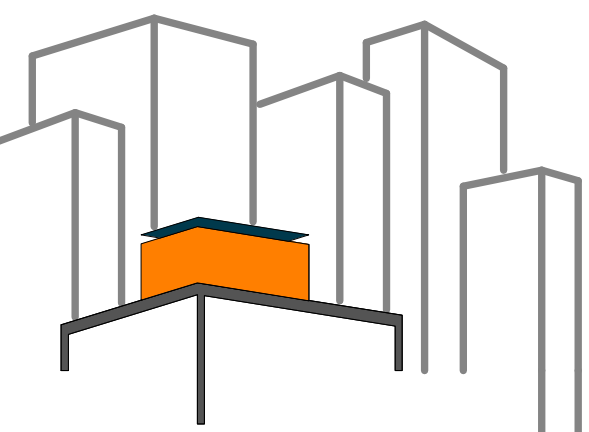
PLAN #:

E-612.01



SHEET KEYNOTES

- 289 PHOTOVOLTAIC PANELS
- 290 JUNCTION BOX
- 291 MICROINVERTERS
- 292 PHOTOVOLTAIC SUBPANEL
- 293 LOAD CENTER
- 294 METER



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **POLINA TYMOSHENKO**

CHECKED BY: **JUNE WILLIAMSON**

DATE: **8/12/2011 10:38:08 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
ELECTRIC SYSTEM
AXONOMETRIC

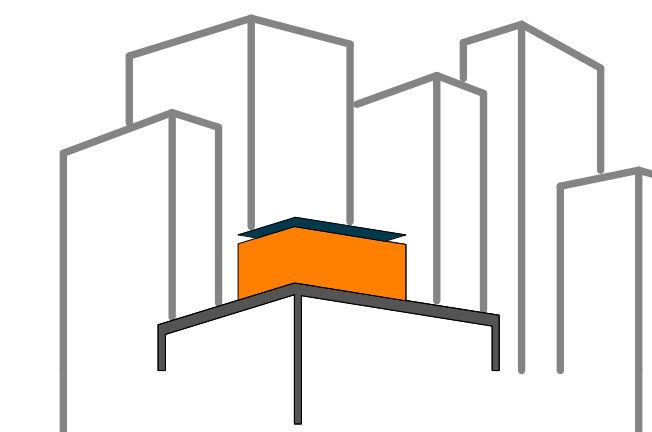
SCALE: **NTS**

PLAN #:

E-621.01

(B1) ELECTRICAL SYSTEM AXONOMETRIC

NTS



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

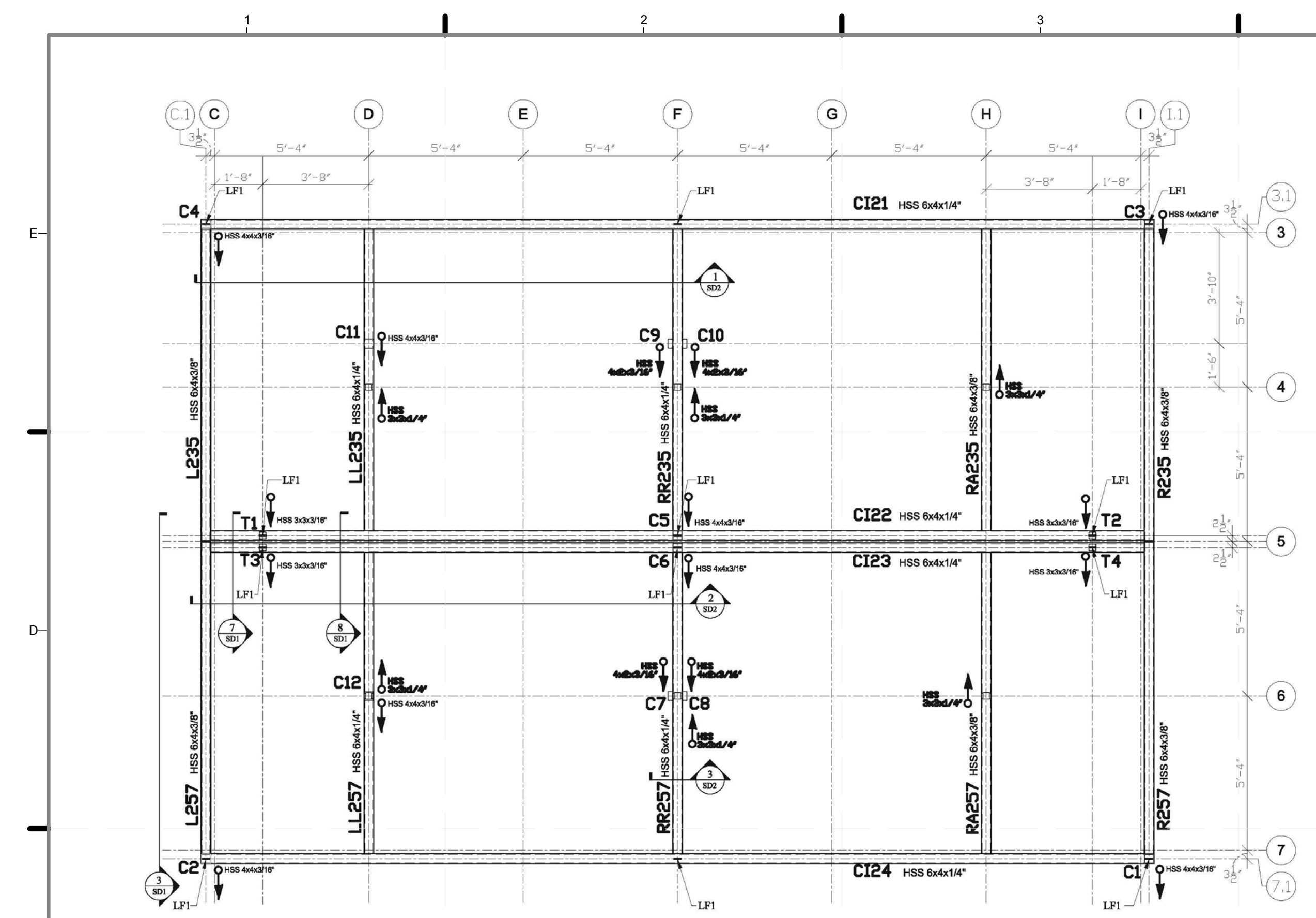
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:53:56 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

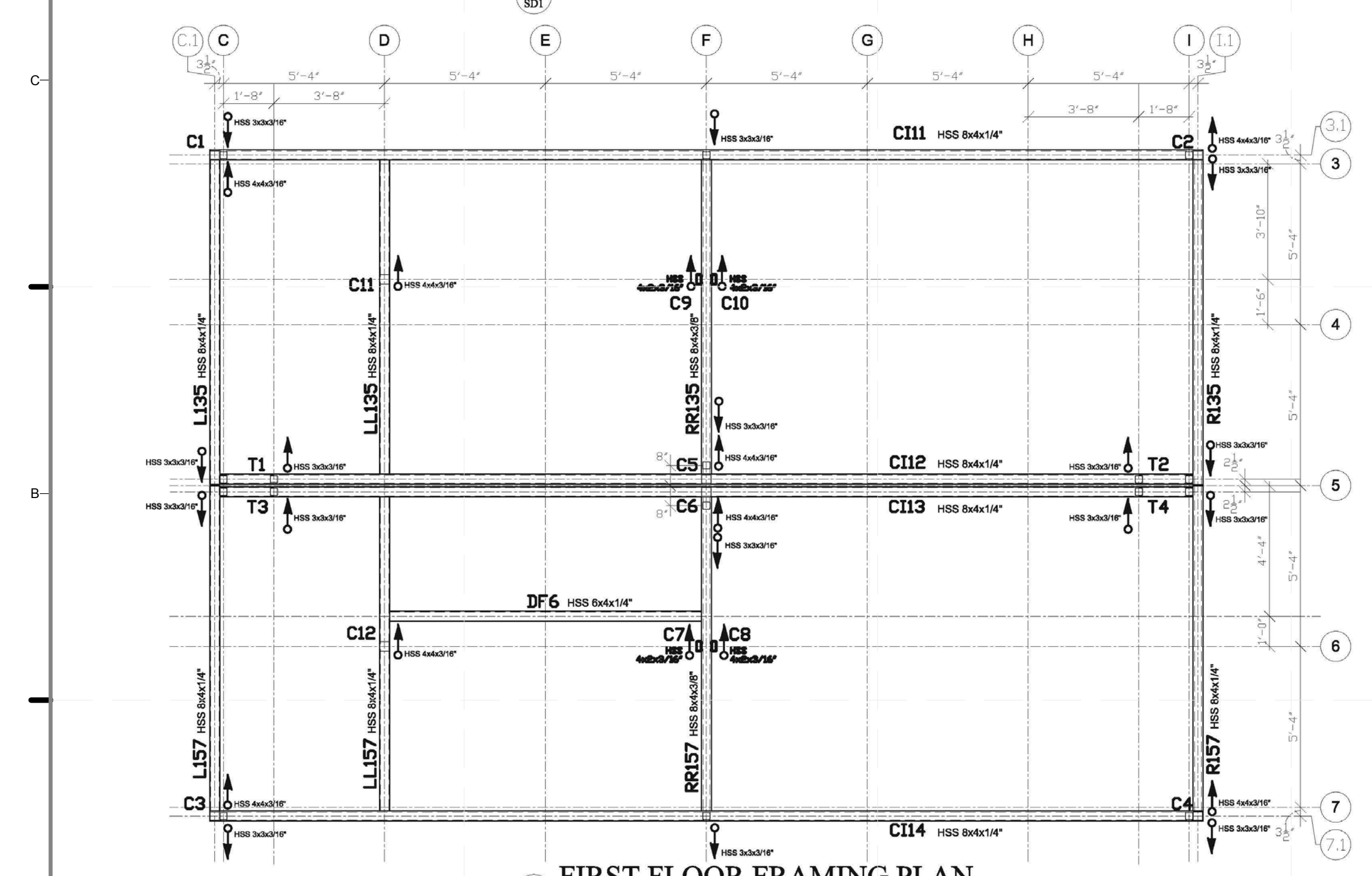
SHEET TITLE:
STEEL CAGE - PLAN
ASSEMBLY -SD1

SCALE: AS INDICATED
PLAN #:

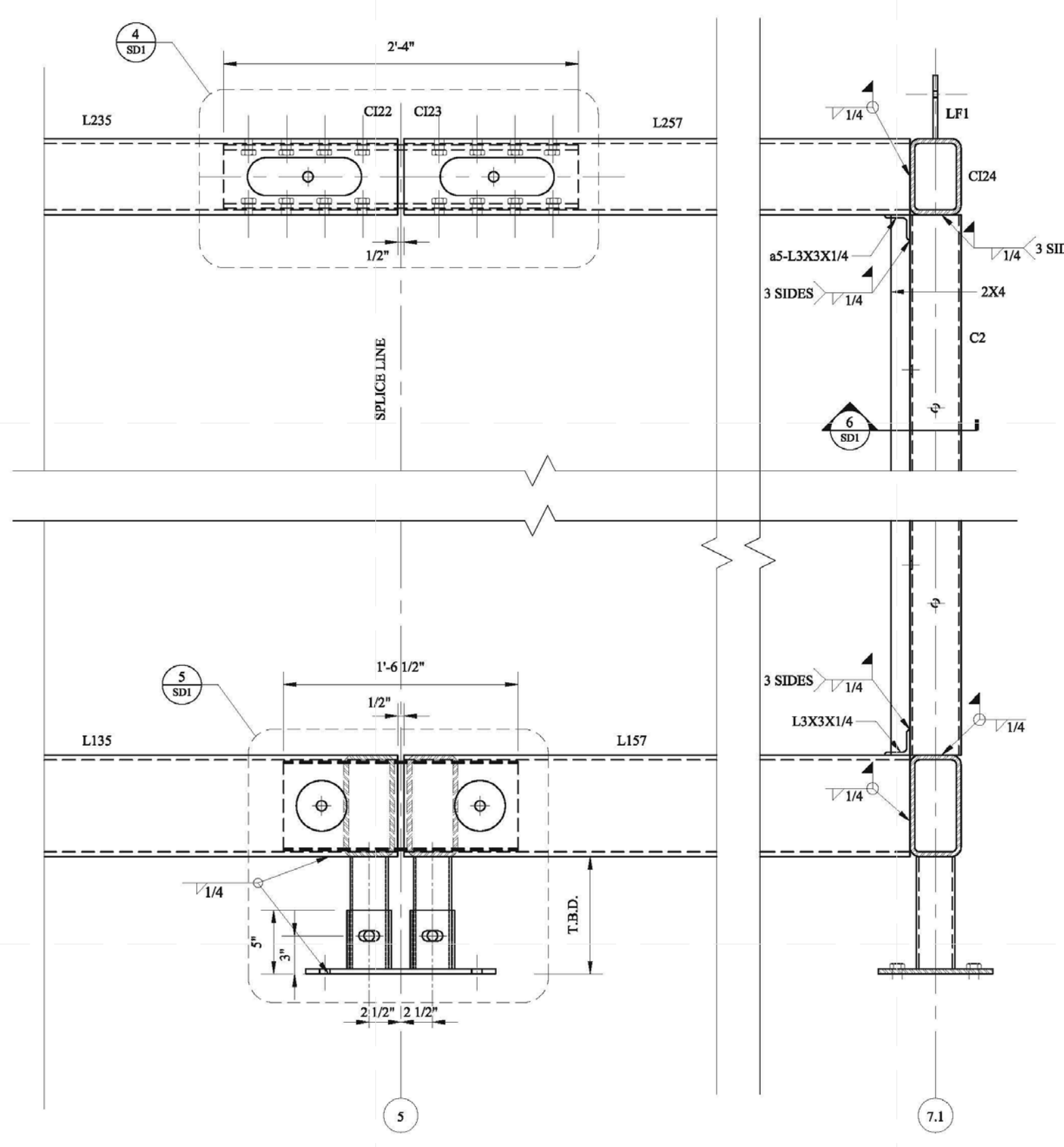
Z-001.01



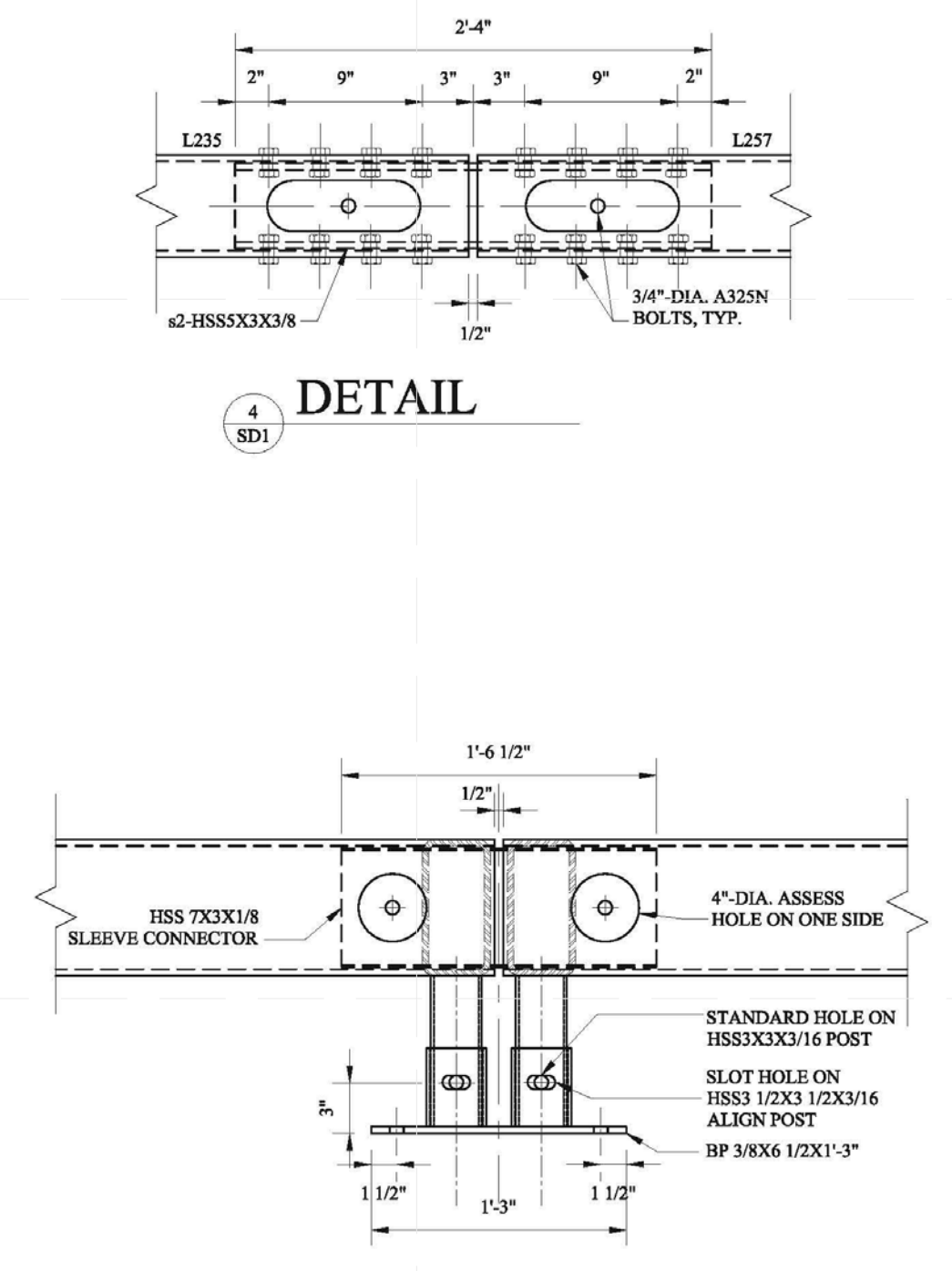
ROOF FRAMING PLAN



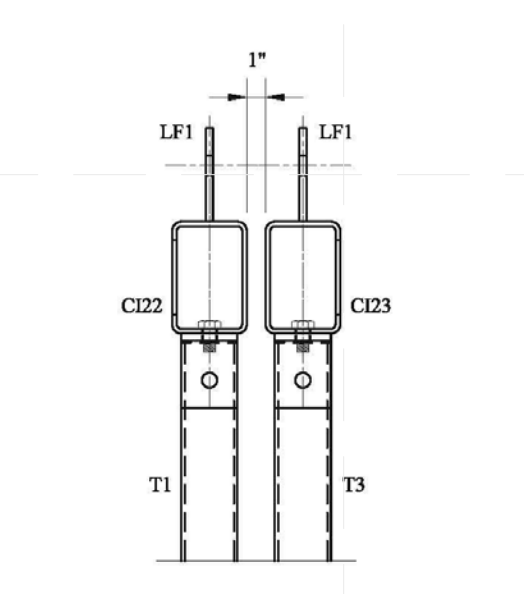
FIRST FLOOR FRAMING PLAN



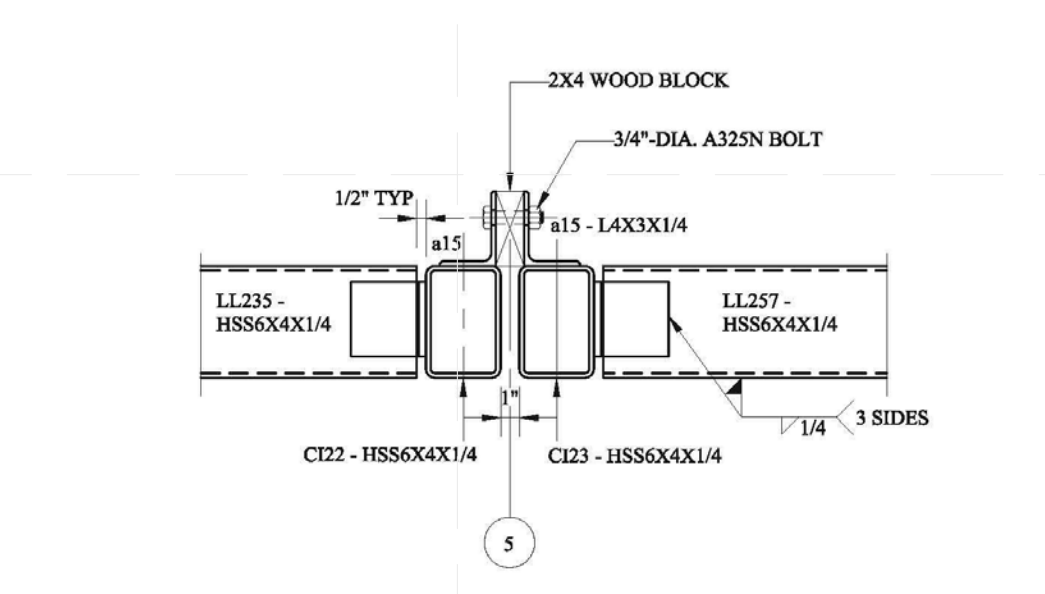
FLOOR SECTION 1



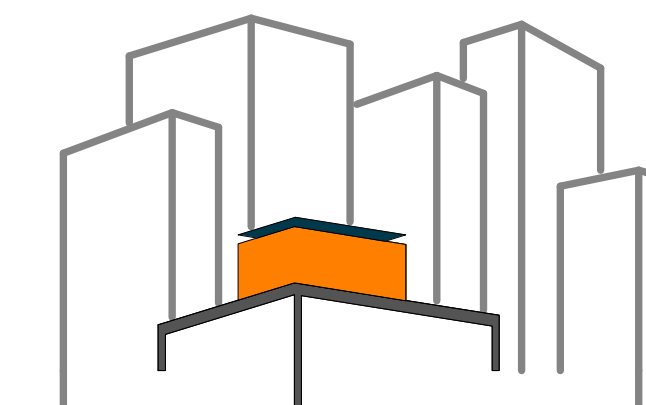
DETAIL 4



ROOF SECTION 2



FLOOR SECTION 3



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:03 PM

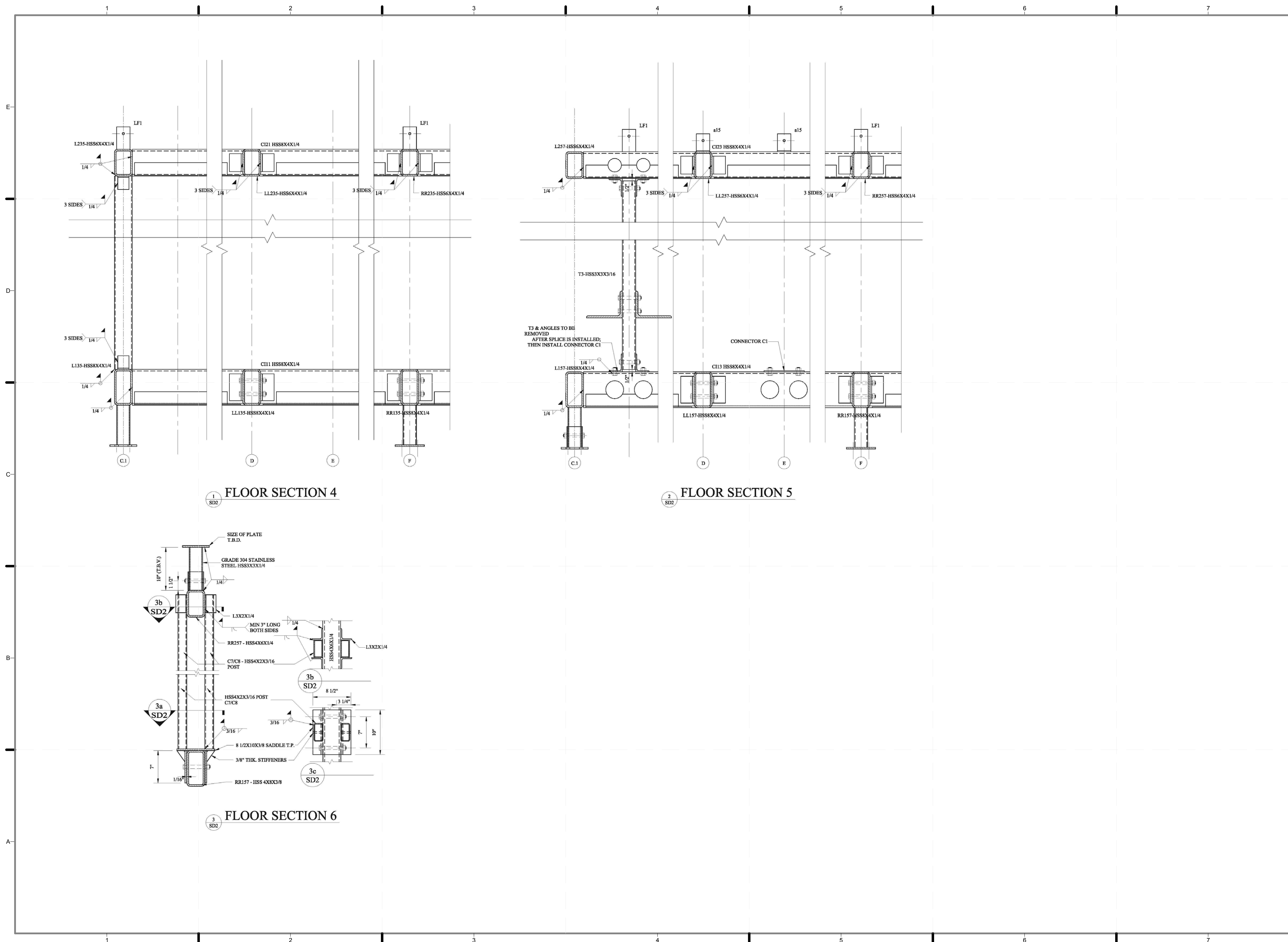
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

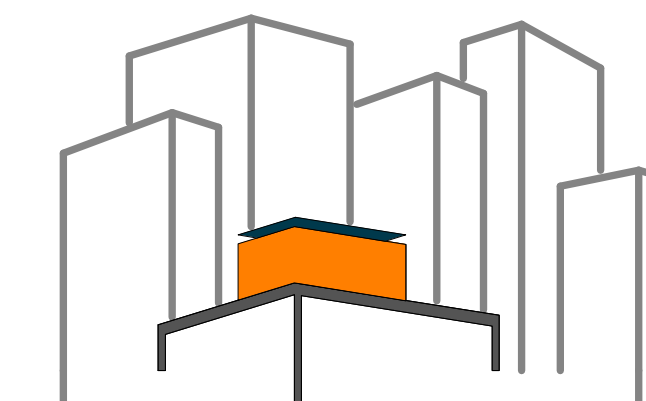
SHEET TITLE:
STEEL CAGE - PLAN
ASSEMBLY-SD2

SCALE: AS INDICATED

PLAN #:

Z-002.01





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:08 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

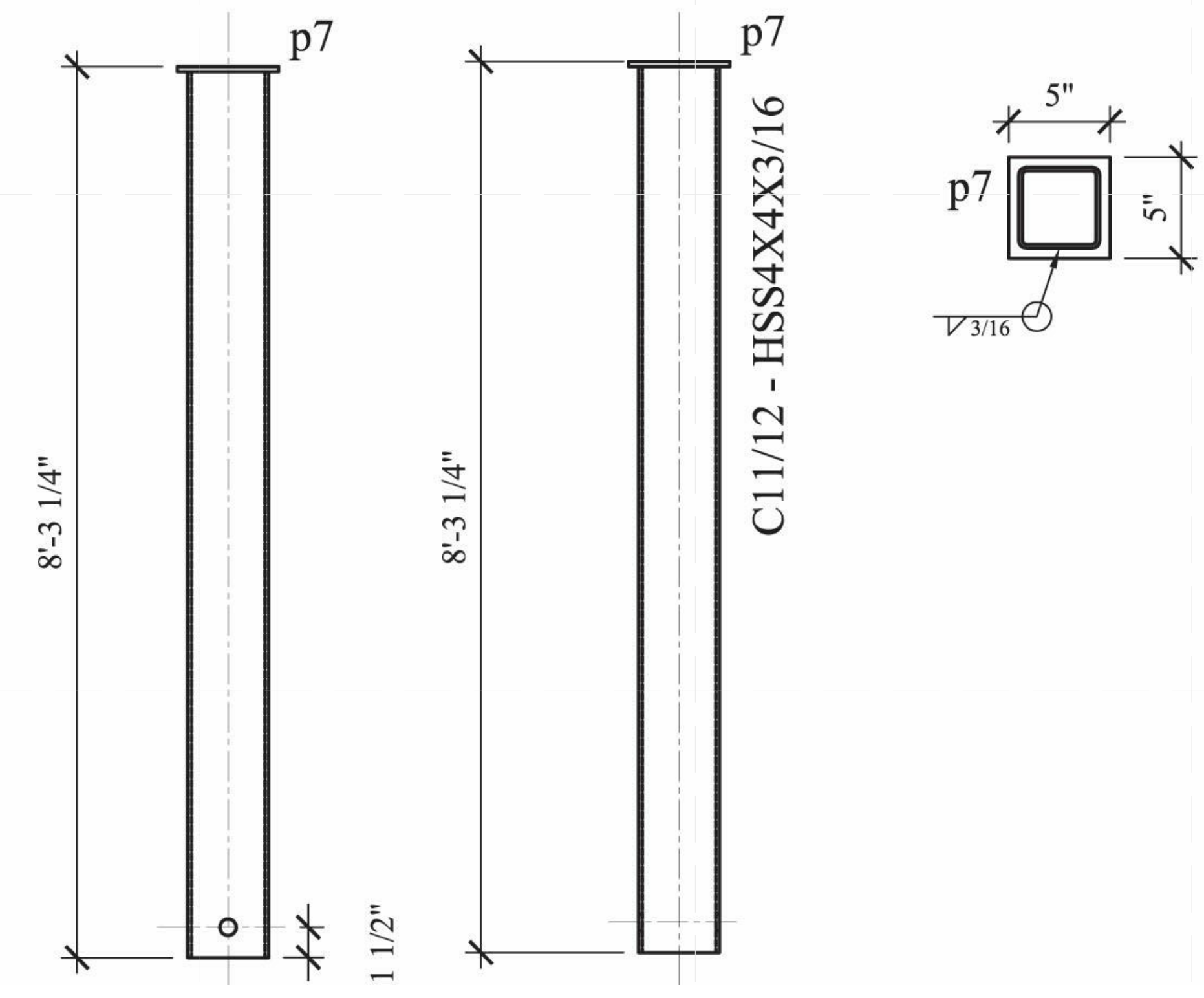
SHEET TITLE:
STEEL CAGE -
COLUMN -C11/12

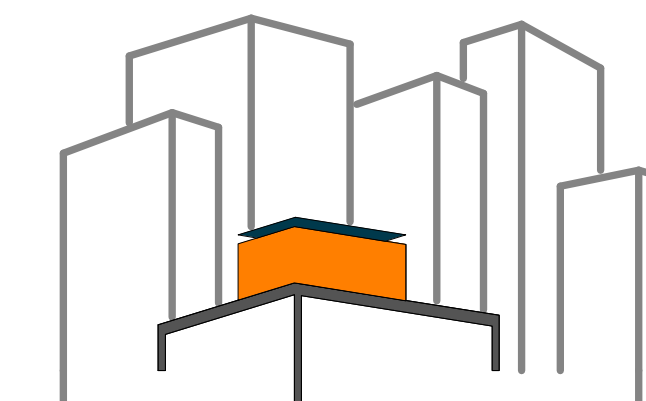
SCALE: **AS INDICATED**

PLAN #:

Z-003.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
COLUMN	2	C11/12		HSS4X4X3/16	8'-2 7/8"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT; LEAVE 6" AT BOTTOM FOR FIELD WELD
	2		p7	PL 3/8x5	0'-5"						





SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:11 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE -
COLUMN - C1 TO C4

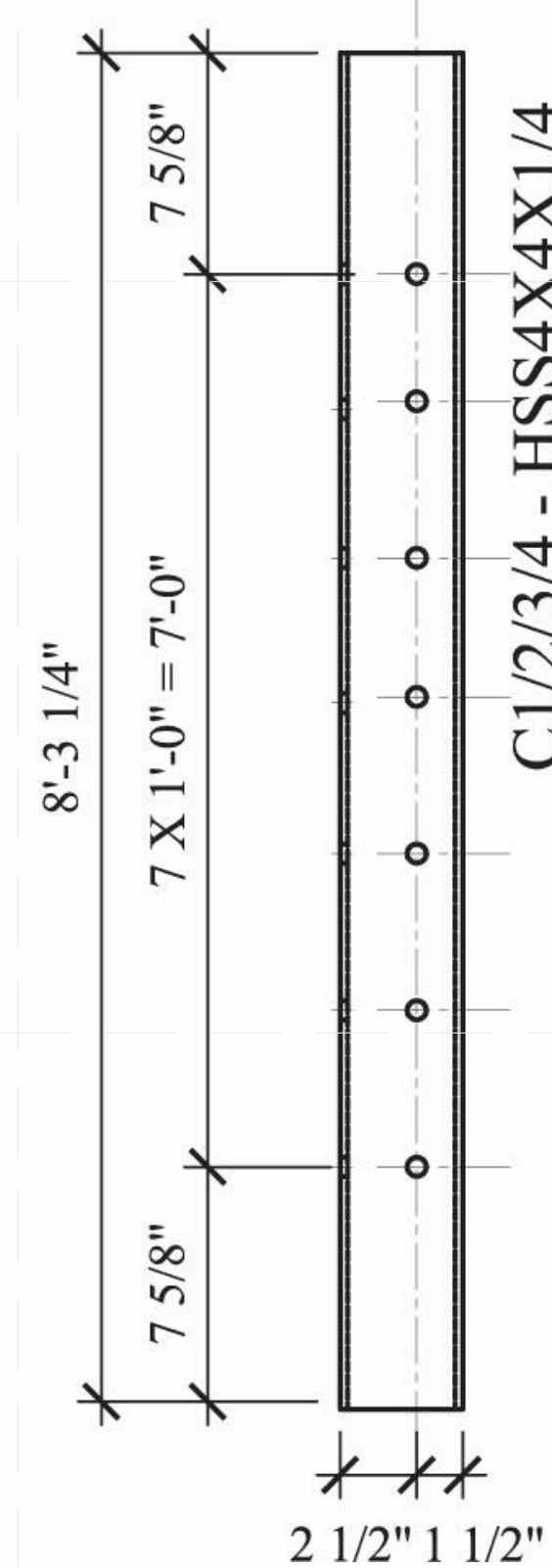
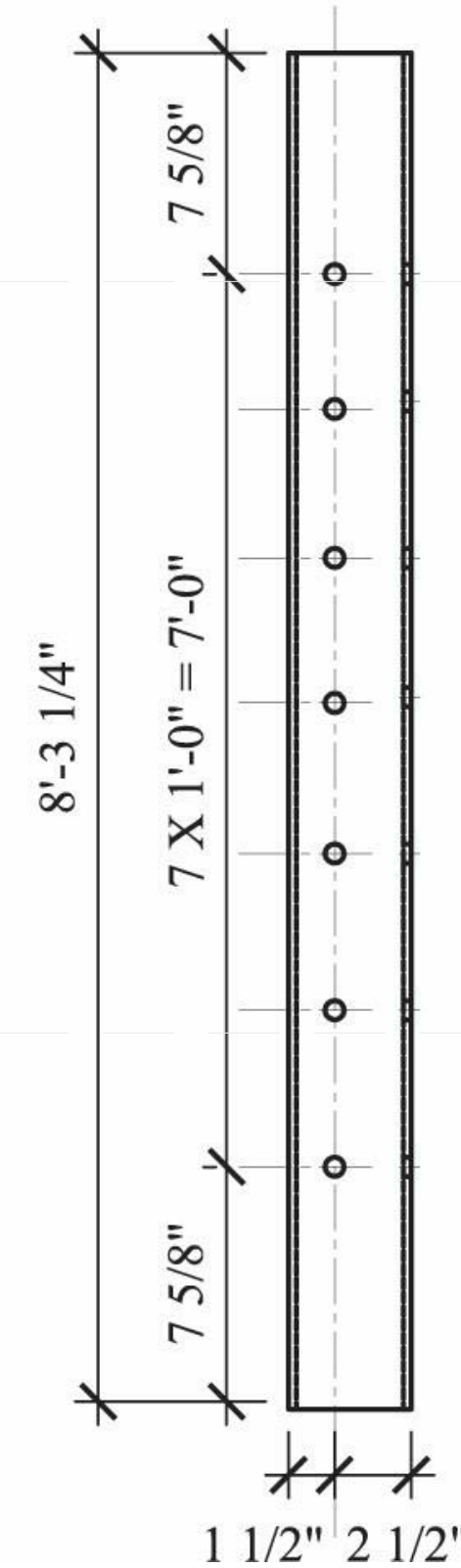
SCALE: **AS INDICATED**
PLAN #:

Z-004.01

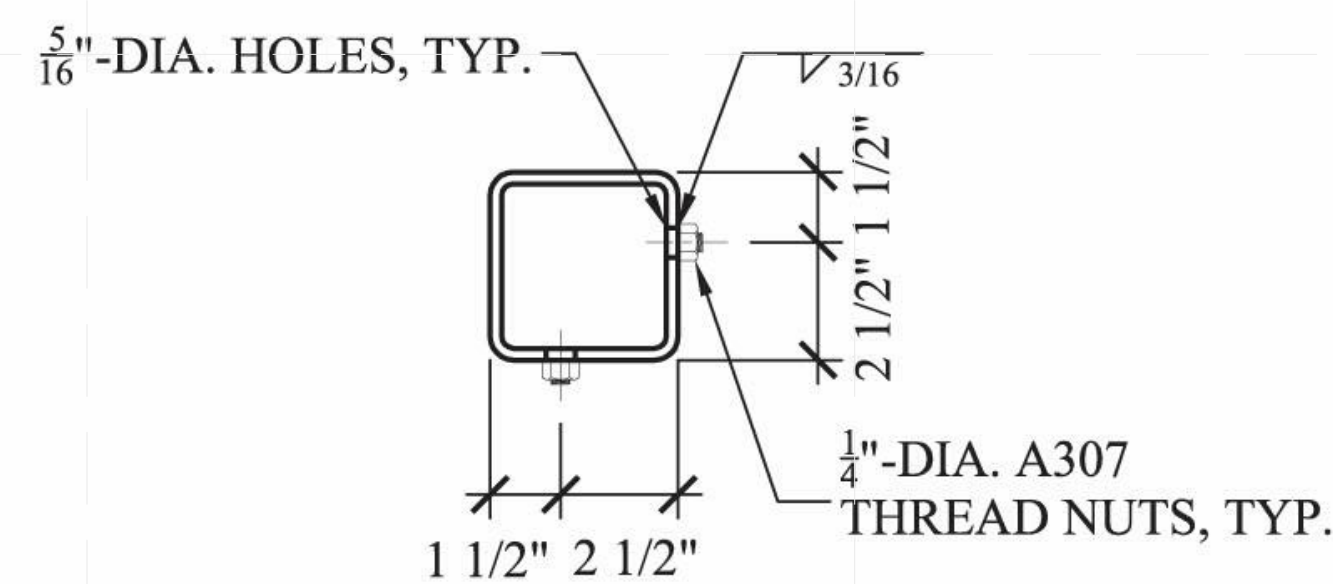
BILL OF MATERIAL

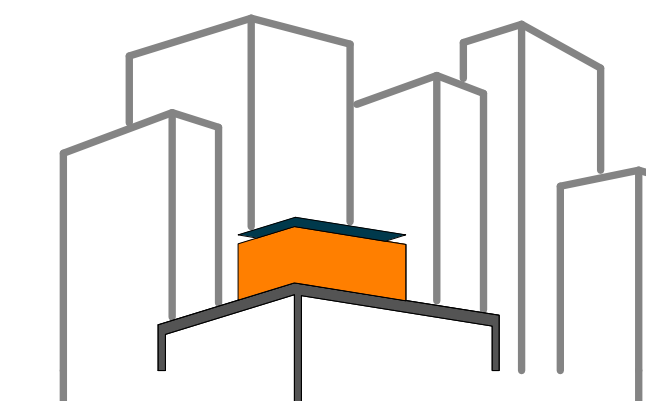
MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
COLUMN	4	C1/2/3/4		HSS4X4X1/4	8'-3 1/4"			A307	5/16"-DIA.	E70XX	



C1/2/3/4 - HSS4X4X1/4





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:13 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE -
COLUMN - C5 & C6

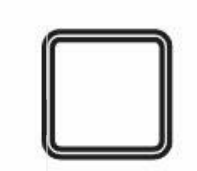
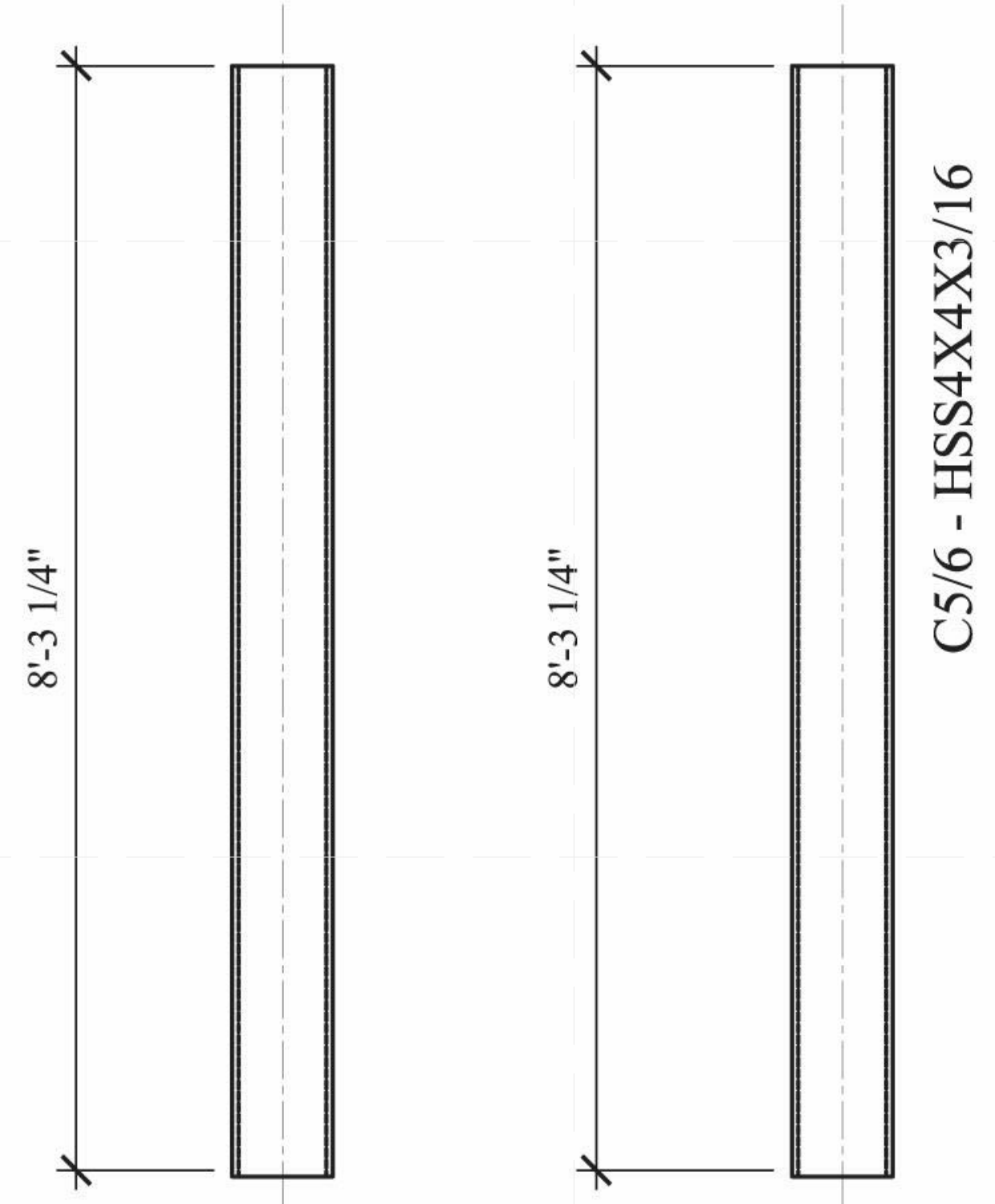
SCALE: **AS INDICATED**
PLAN #:

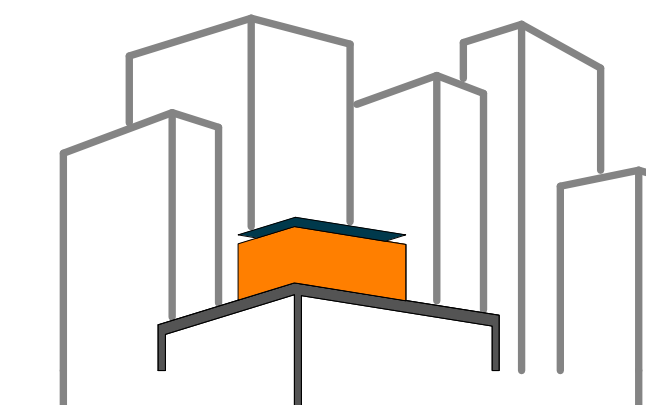
Z-005.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
COLUMN	2	C5/6		HSS4X4X3/16	8'-3 1/4"						





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:16 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE -
COLUMN C7 TO C10

SCALE: AS INDICATED

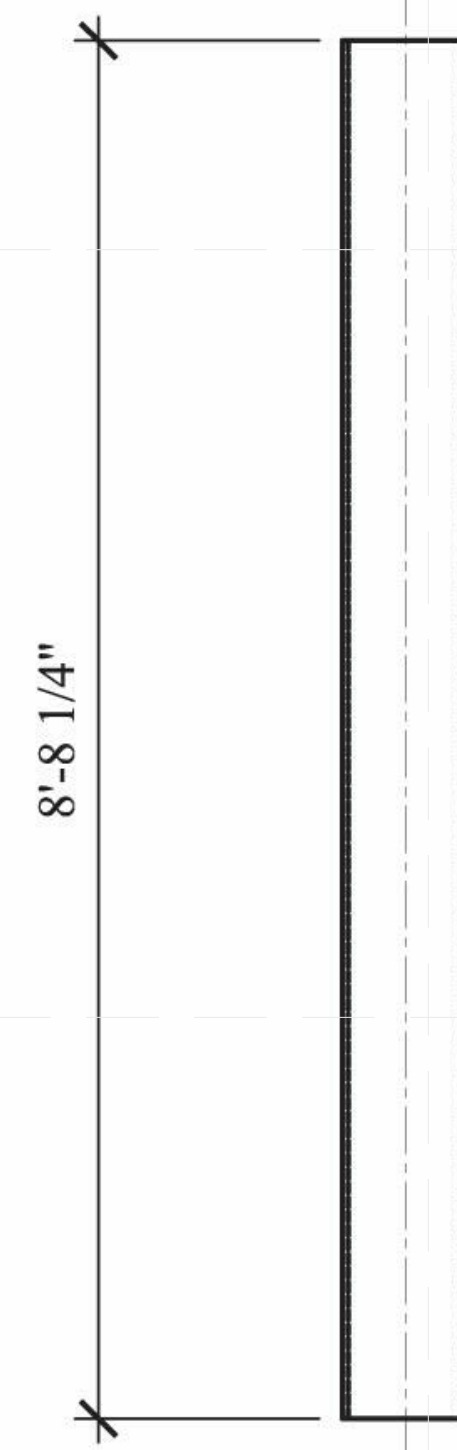
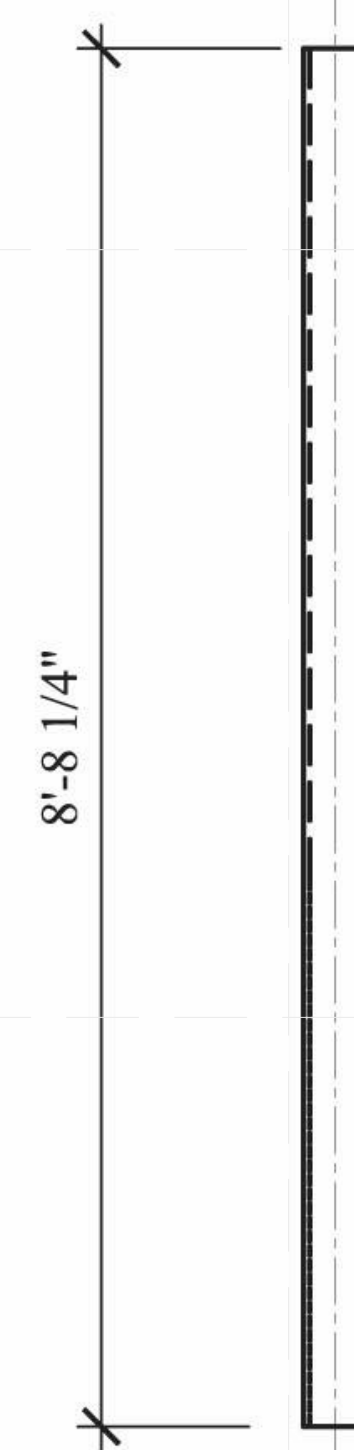
PLAN #:

Z-006.01

BILL OF MATERIAL

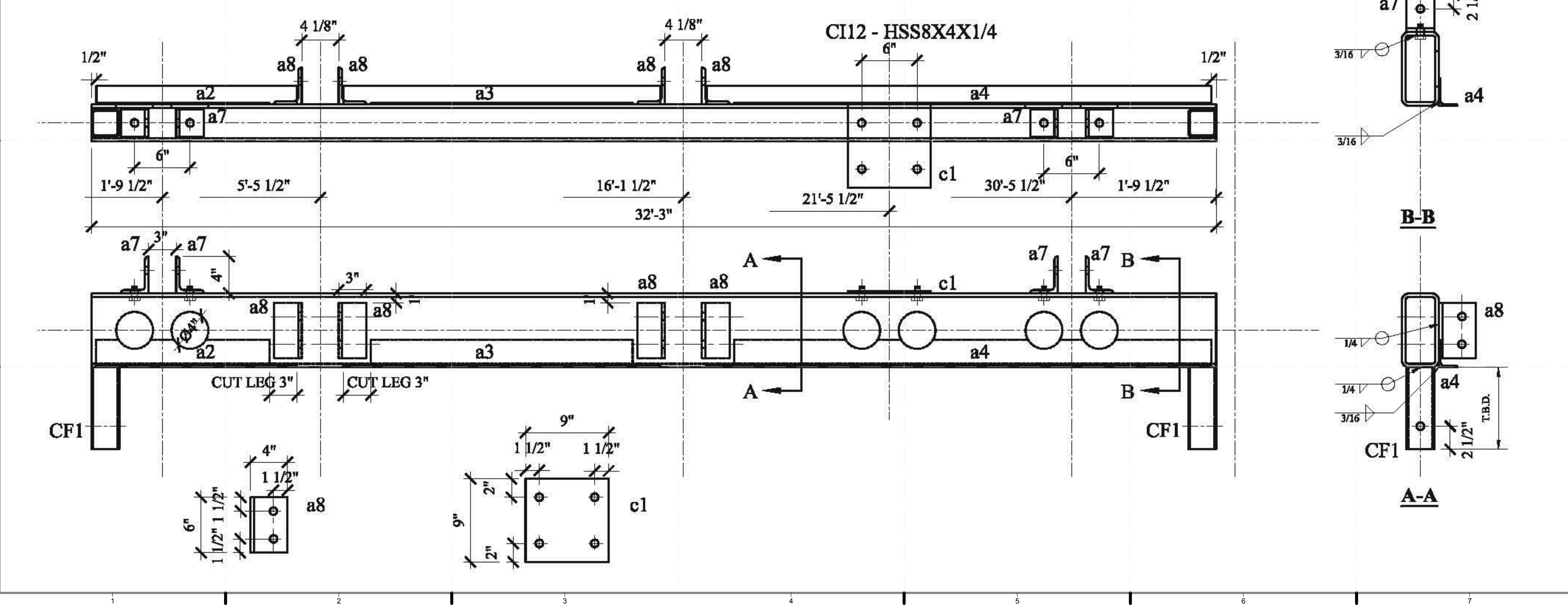
MATERIAL SPEC

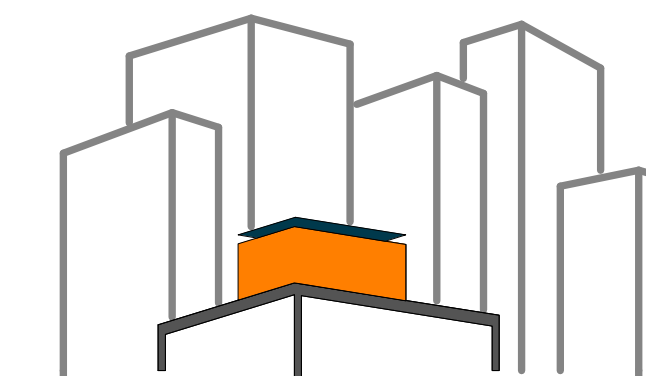
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
COLUMN	4	C7/10		HSS4X2X3/16	8'-7 7/8"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT; LEAVE 6" AT TOP FOR FIELD PAINT



C7~C10 - HSS4X2X3/16

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLDS(UNO)	WELD	PAINT
BEAM	1	CI12		HSS8X4X1/4	32'-3"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	2		CF1	HSS3X3X3/16	T.B.D.						
	3		c1	PL1/4 X 9	0'-9"						
	4		a8	L4X3X3/8	0'-6"						
	1		a2	L3X2X3/16	5'-2 1/2"		CUT 3" LEG AT ONE END				
	1		a3	L3X2X3/16	10'-3"		CUT 3" LEG AT BOTH ENDS				
	1		a4	L3X2X3/16	15'-11 1/2"		CUT 3" LEG AT ONE END				
	4		a7	L4X3X3/8	0'-3"						
	10			3/4"-DIA. A325N BOLTS	4x0'-6"; 2x0'-5"; 4x0'-2"						





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:24 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE - BEAM
- CI13

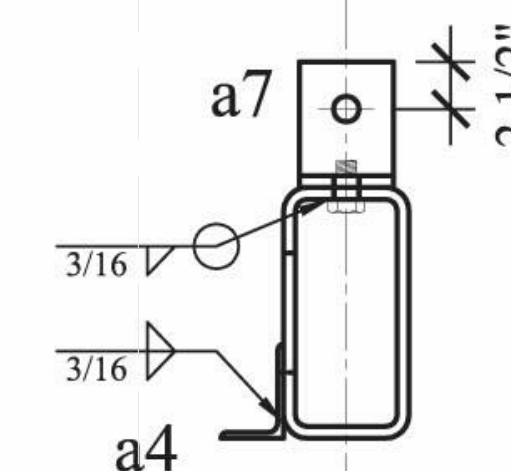
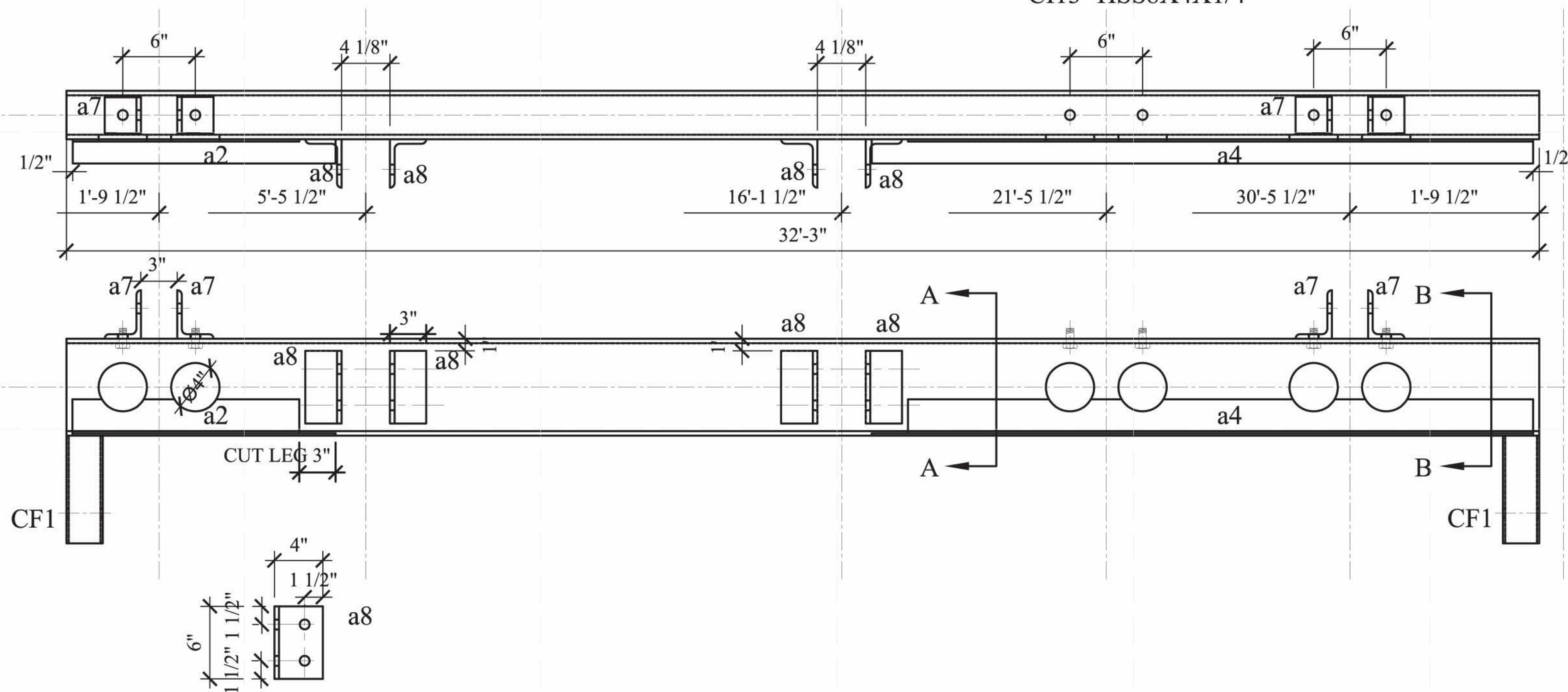
SCALE: AS INDICATED

PLAN #:

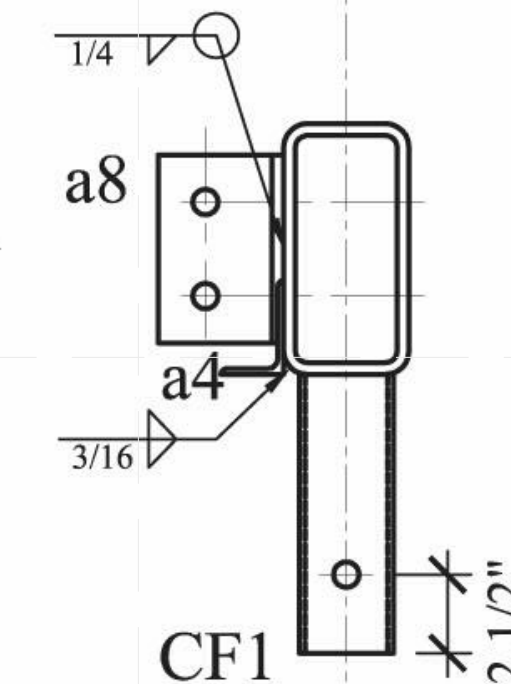
Z-009.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	CI13		HSS8X4X1/4	32'-3"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		CF1	HSS3X3X3/16	T.B.D.						
	4		a8	L4X3X3/8	0'-6"						
	1		a2	L3X2X3/16	5'-2 1/2"		CUT 3" LEG AT ONE END				
	1		a4	L3X2X3/16	15'-11 1/2"		CUT 3" LEG AT ONE END				
	4		a7	L4X3X3/8	0'-3"						
	14			3/4"-DIA. A325N BOLTS	4x0'-6"; 2x0'-5"	8x0'-2"					

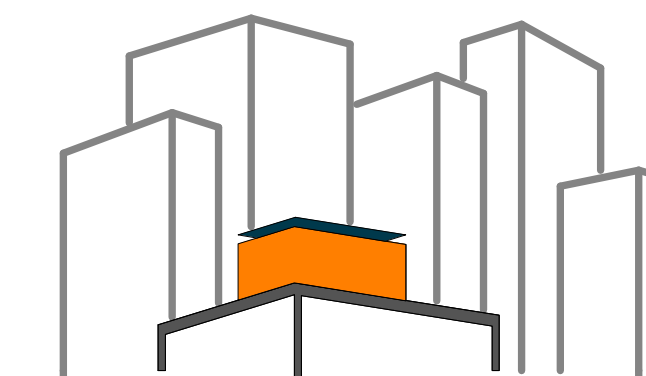
CI13- HSS8X4X1/4



B-B



A-A



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

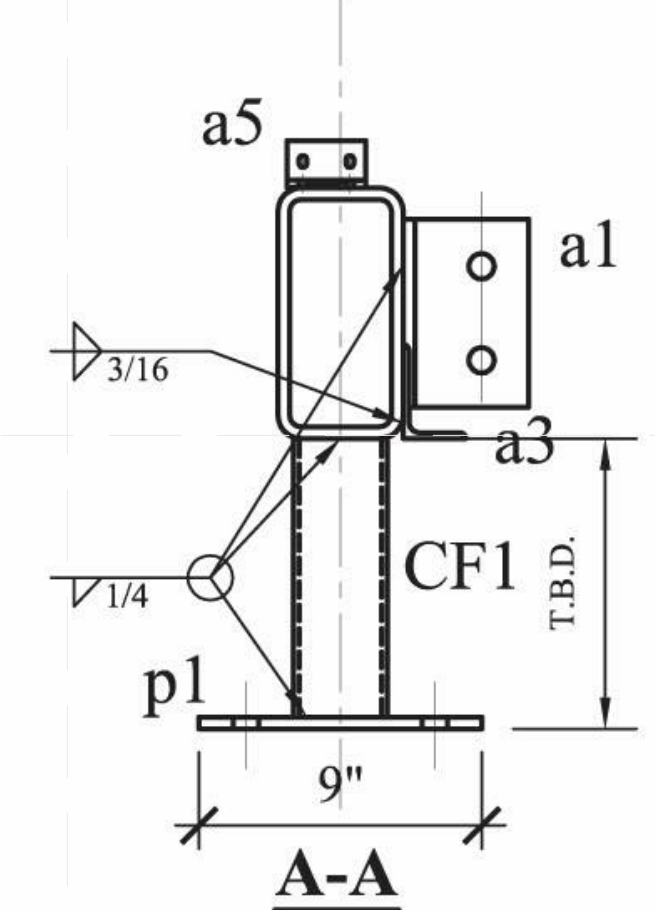
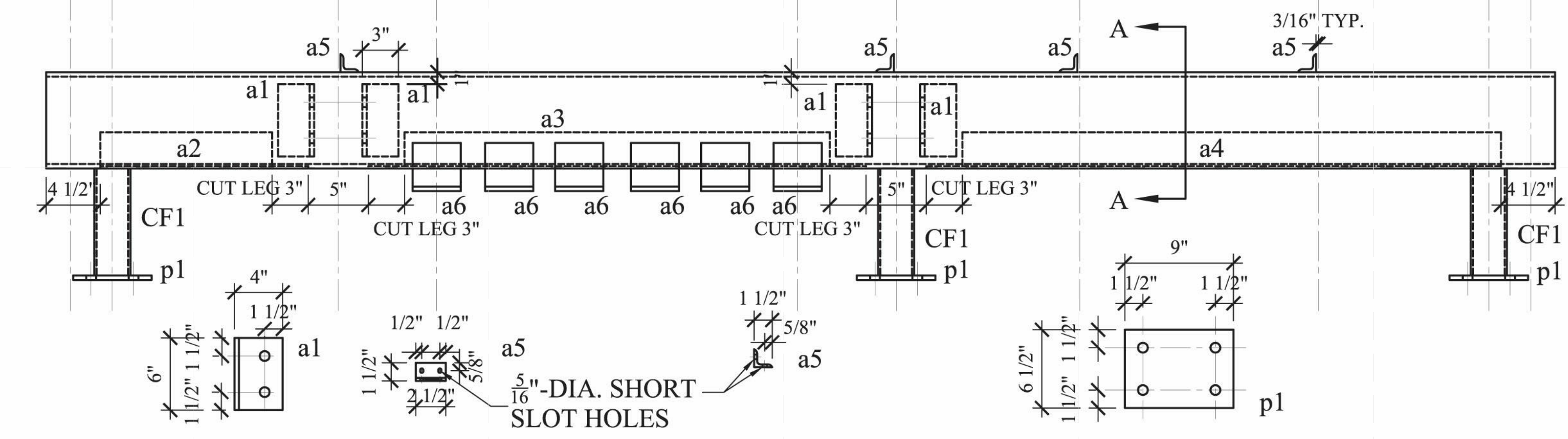
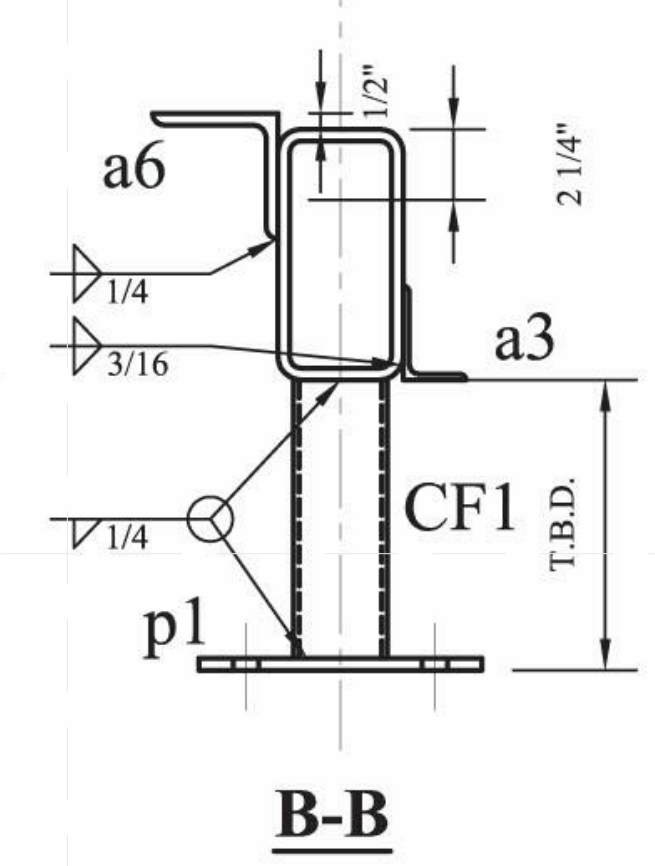
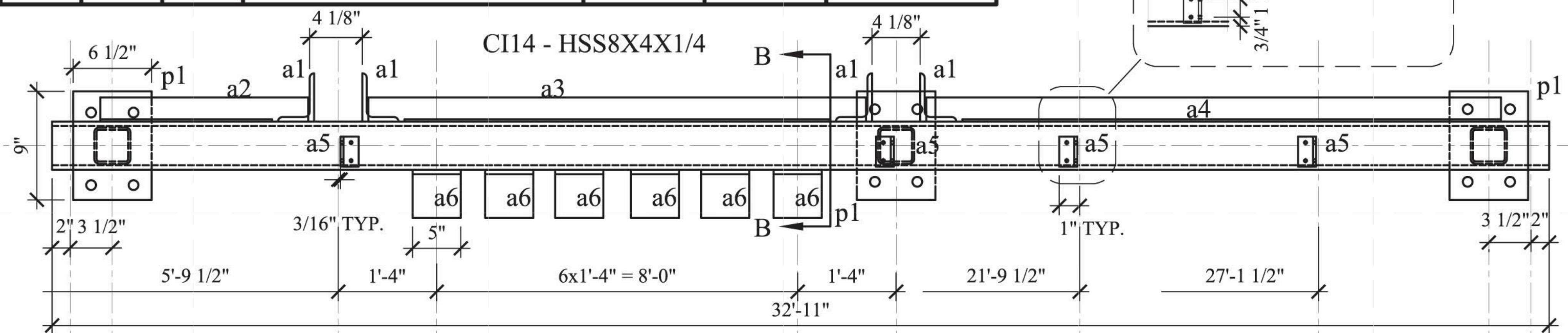
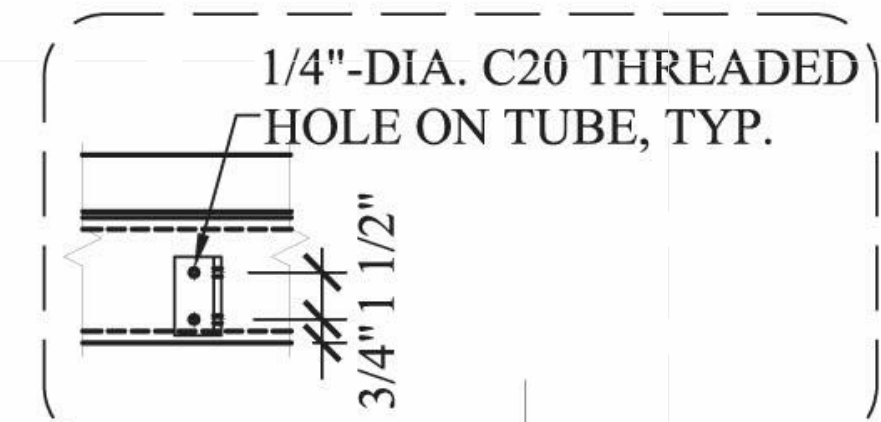
U.S. DEPARTMENT OF ENERGY
SOLAR DECATHLON 2011
WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	CI14		HSS8X4X1/4	32'-11"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	3		CF1	HSS 3X3X3/16	T.B.D.						
	3		p1	PL3/8X6 1/2	0'-9"						
	4		a1	L4X3X3/8	0'-6"						
	1		a2	L3X2X3/16	5'-2 1/2"		CUT 3" LEG AT ONE END				
	1		a3	L3X2X3/16	10'-3"		CUT 3" LEG AT BOTH ENDS				
	1		a4	L3X2X3/16	15'-11 1/2"		CUT 3" LEG AT ONE END				
	4		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 16 1/4"-DIA. BOLTS FOR FINS				
	6		a6	L4X4X3/8	0'-5"						
	4			3/4"-DIA. A325N BOLTS	0'-6"						



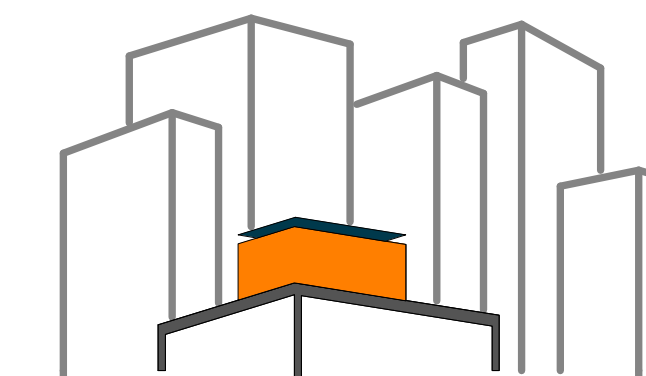
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:27 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE: STEEL CAGE - BEAM - CI14

SCALE: AS INDICATED
PLAN #:

Z-010.01



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnystd1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:30 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

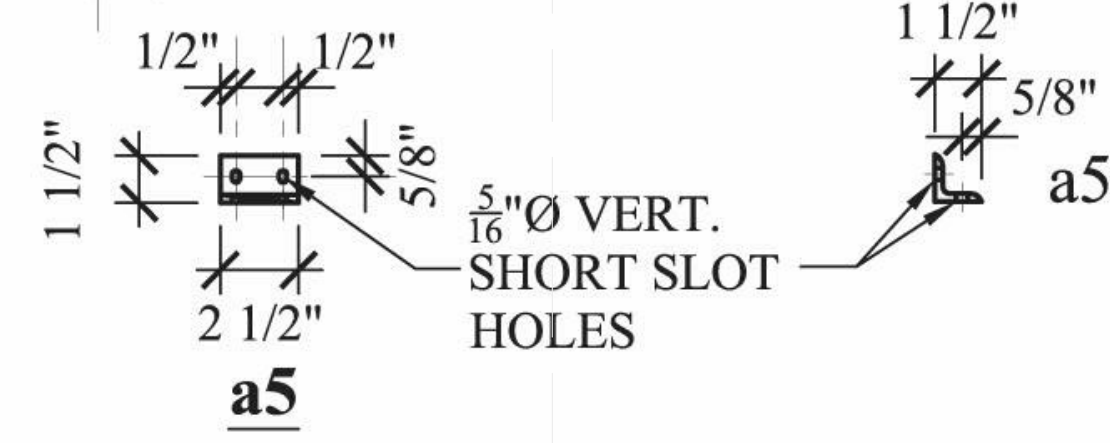
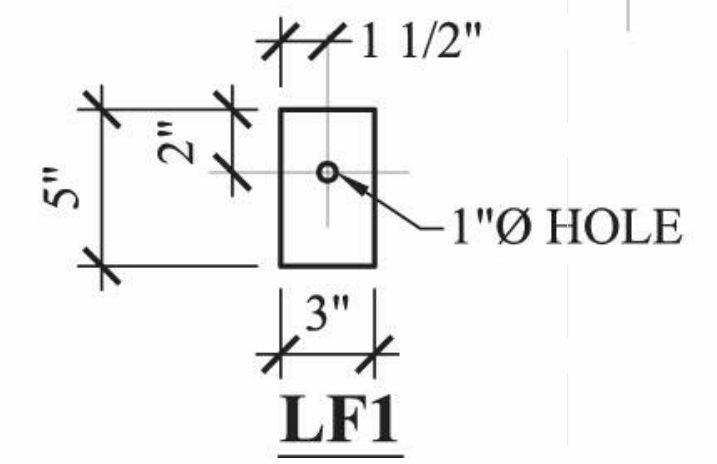
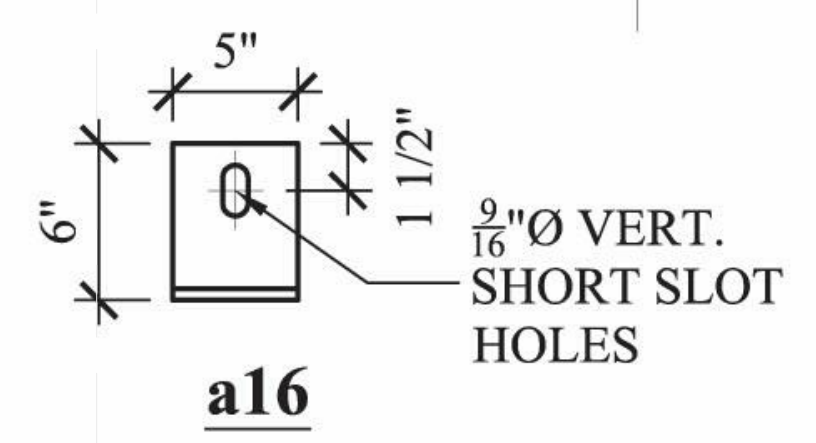
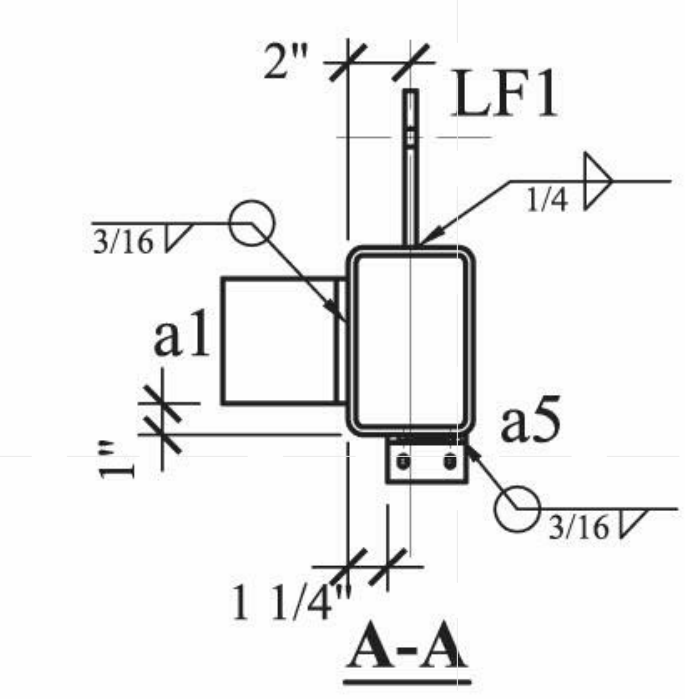
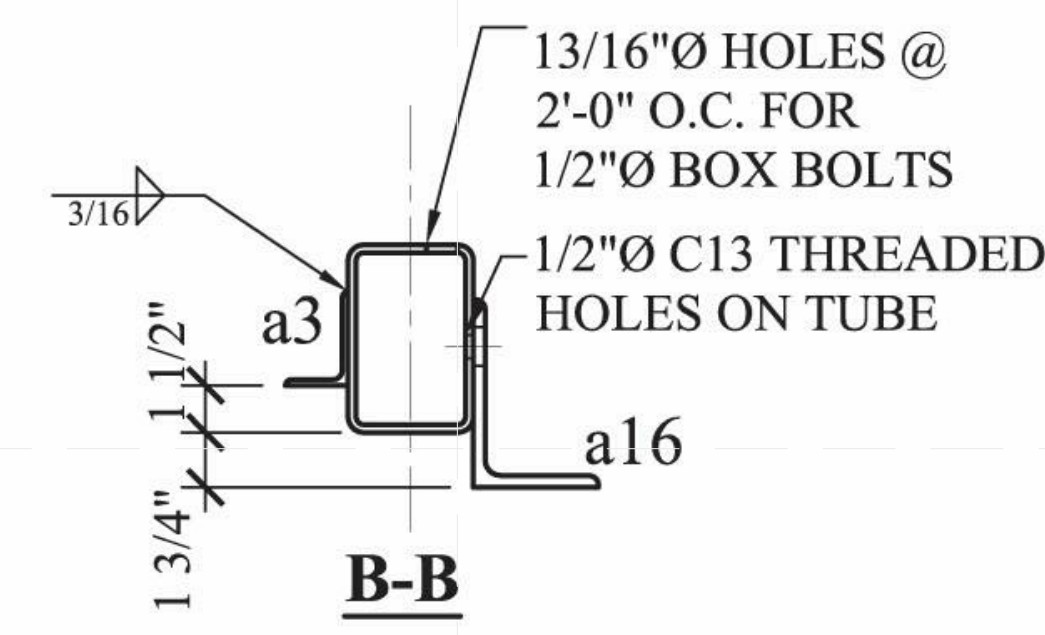
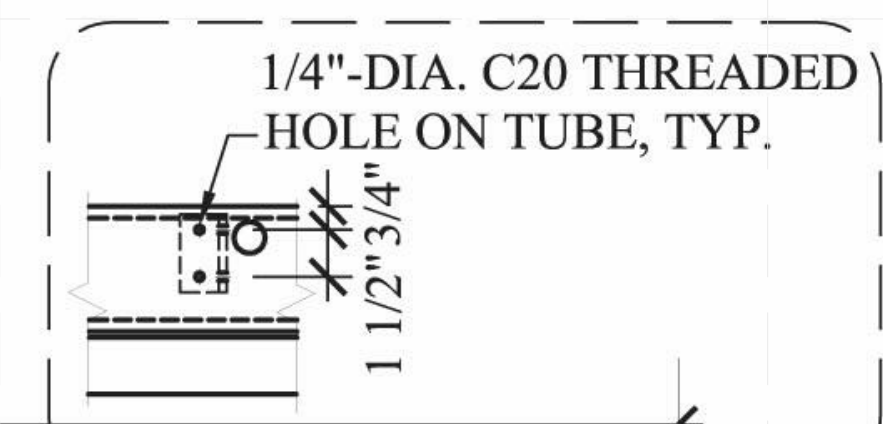
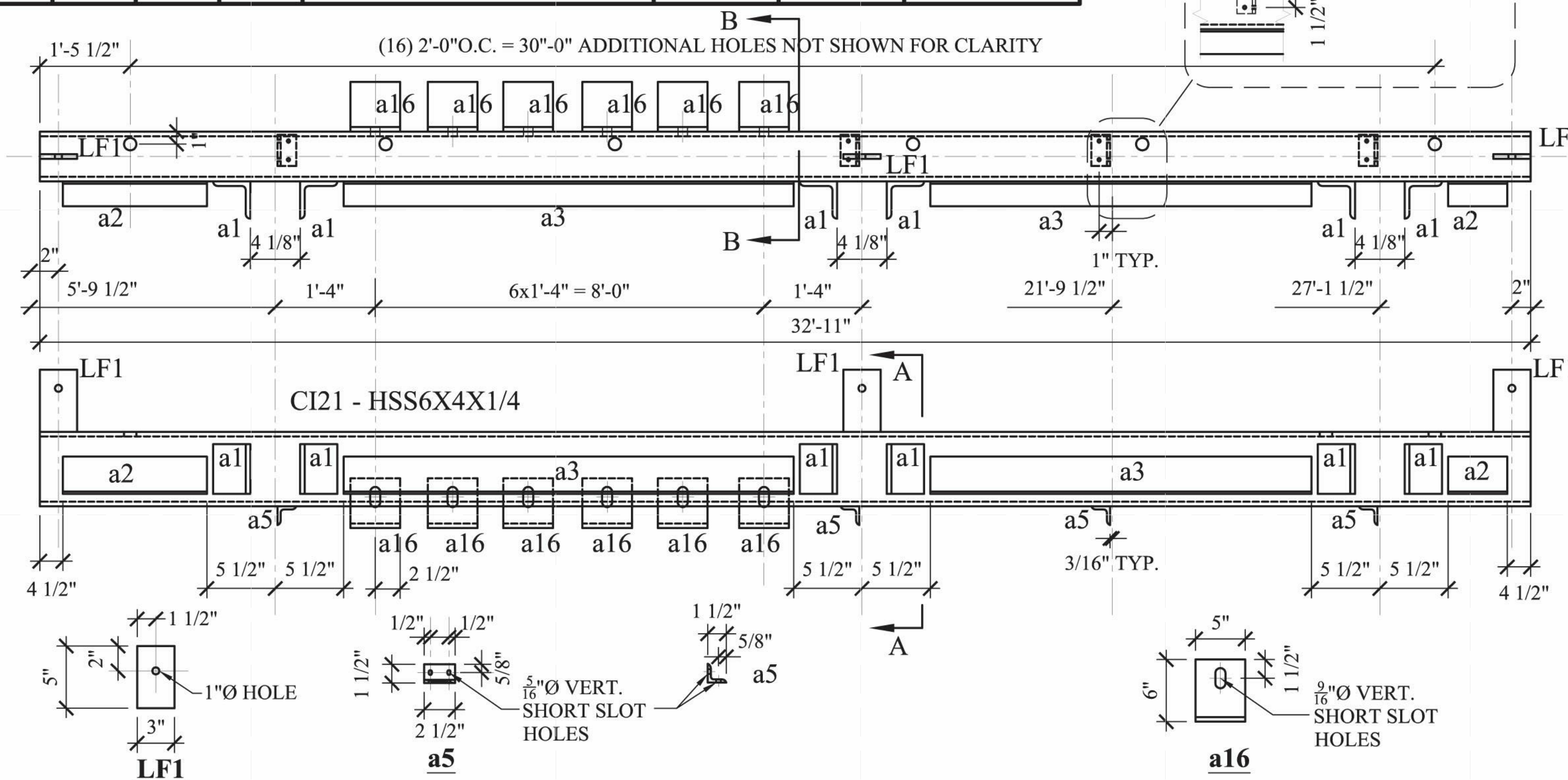
STEEL CAGE - BEAM
- CI21

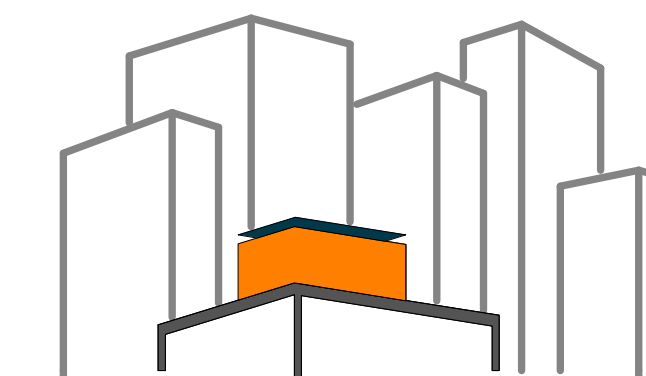
SCALE: AS INDICATED

PLAN #:

Z-011.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	CI21		HSS6X4X1/4	32'-11"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	3		LF1	PL3/8X3	0'-5"		LIFTING PLATE SEE DETAIL				
	6		a1	L3X3X3/8	0'-4"						
	2		a2	L3X2X3/16	4'-11 1/2"						
	2		a3	L3X2X3/16	9'-9"						
	4		a5	L1 1/2"X1 1/2"X1/4"	0'-2 1/2"						
	6		a16	L6X4X3/8	0'-5"						
	16			1/2"Ø A307 BOX BOLTS (BQ2z12)			PROVIDE BOLTS FOR ATTACHING 2x4 SILL PLATE				





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

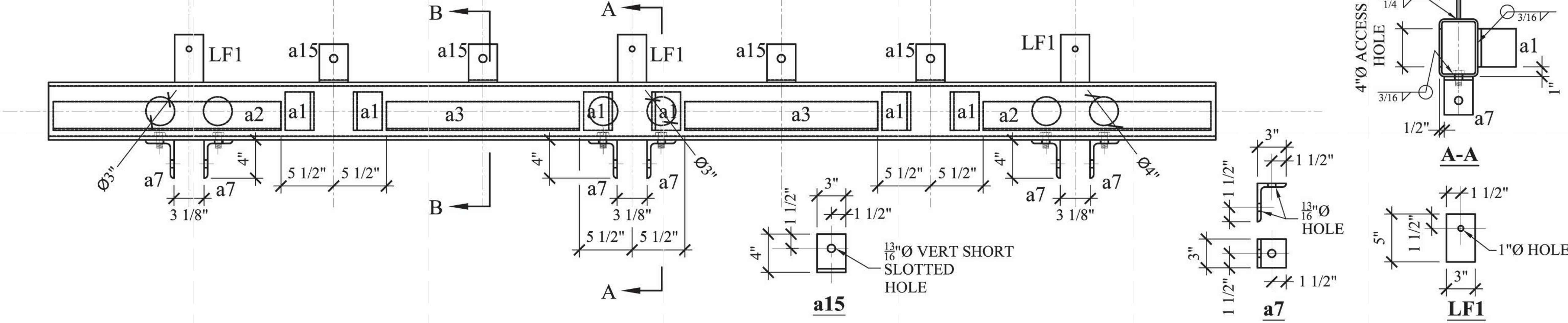
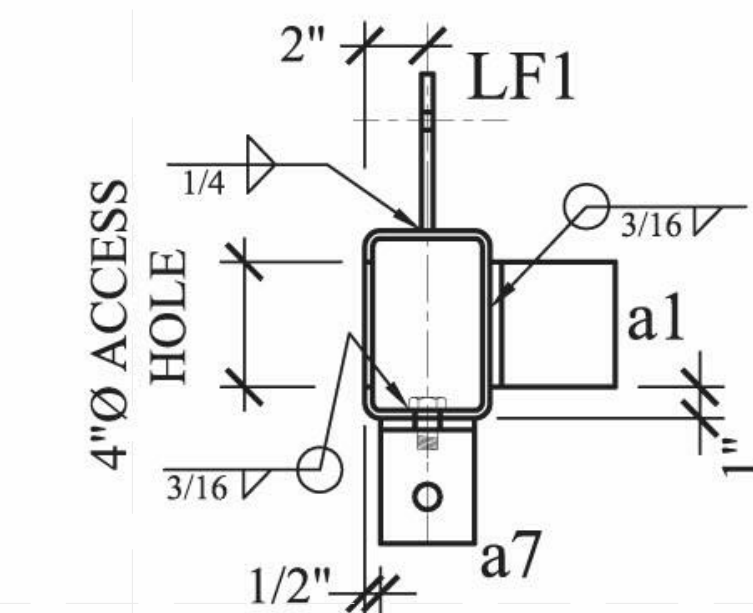
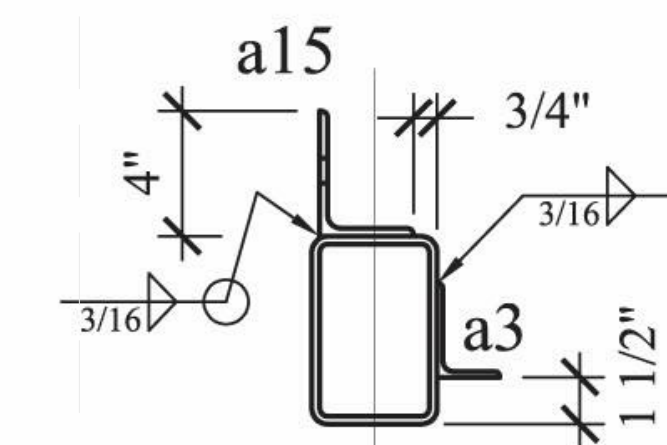
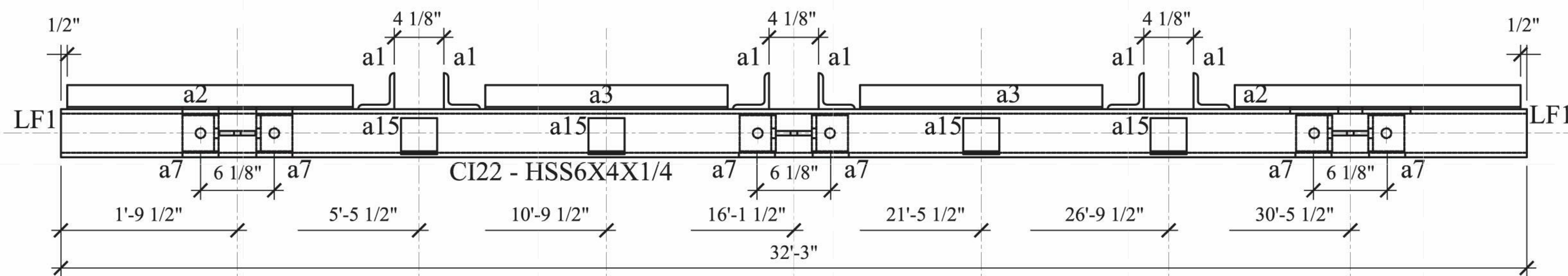
REVISIONS: DATE / NAME

BILL OF MATERIAL

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT
BEAM	1	CI22		HSS6X4X1/4	32'-3"		
	3		LF1	PL3/8X3	0'-5"		LIFTING PLATE SEE DETAIL
	6		a1	L3X3X3/8	0'-4"		
	2		a2	L3X2X3/16	4'-11 1/2"		
	2		a3	L3X2X3/16	9'-9"		
	6		a7	L4X3X3/8	0'-3"		SEE DETAIL
	4		a15	L4X3X1/4	0'-3"		SEE DETAIL

MATERIAL SPEC

BOLT(UNO)	HOLES(UNO)	WELD	PAINT
A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT



LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:34 PM

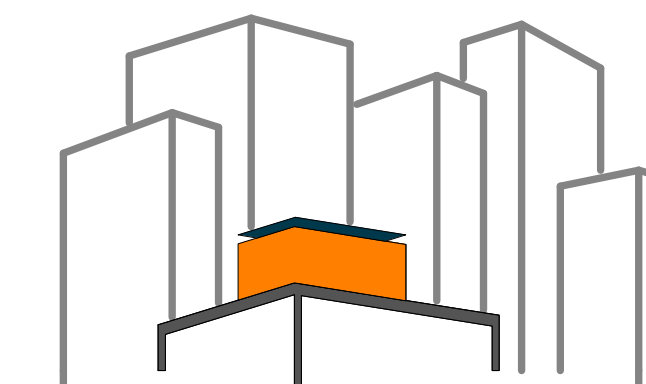
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE - BEAM
- CI22

SCALE: AS INDICATED

PLAN #:

Z-012.01



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnystd1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:37 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

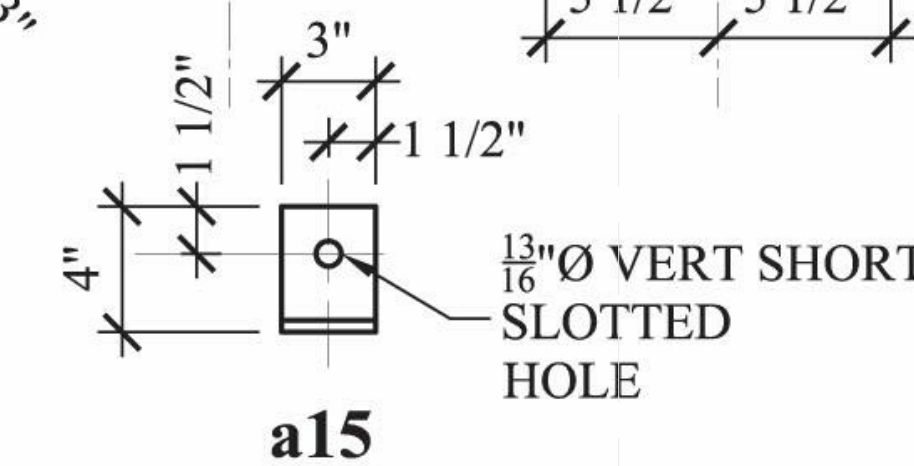
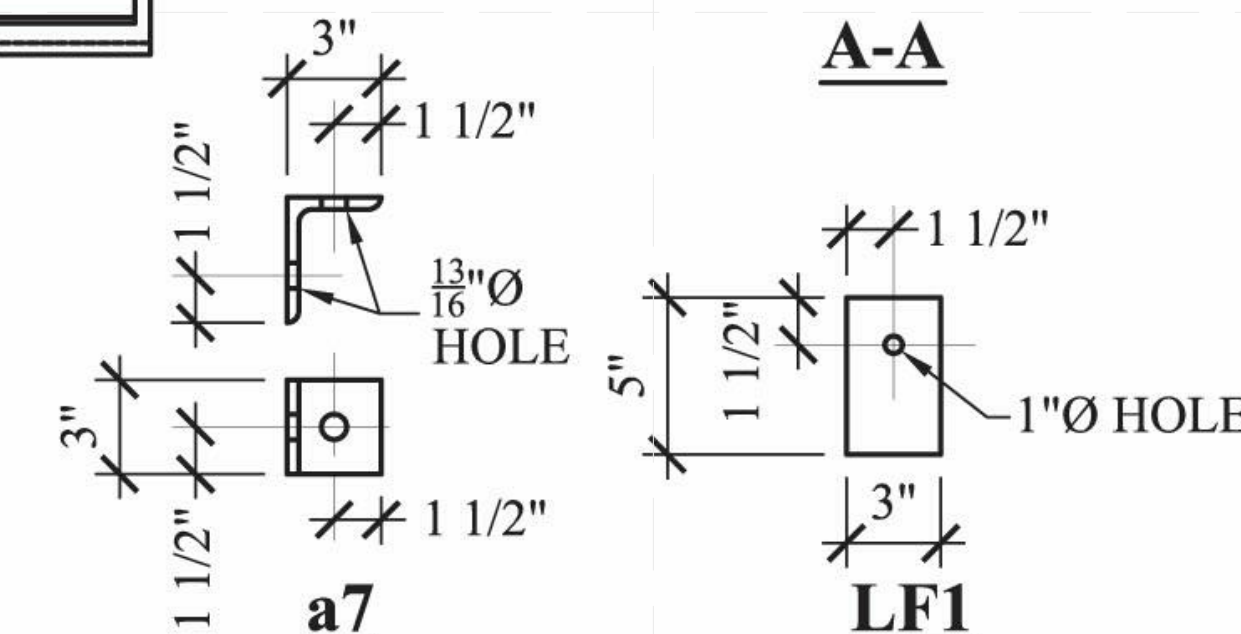
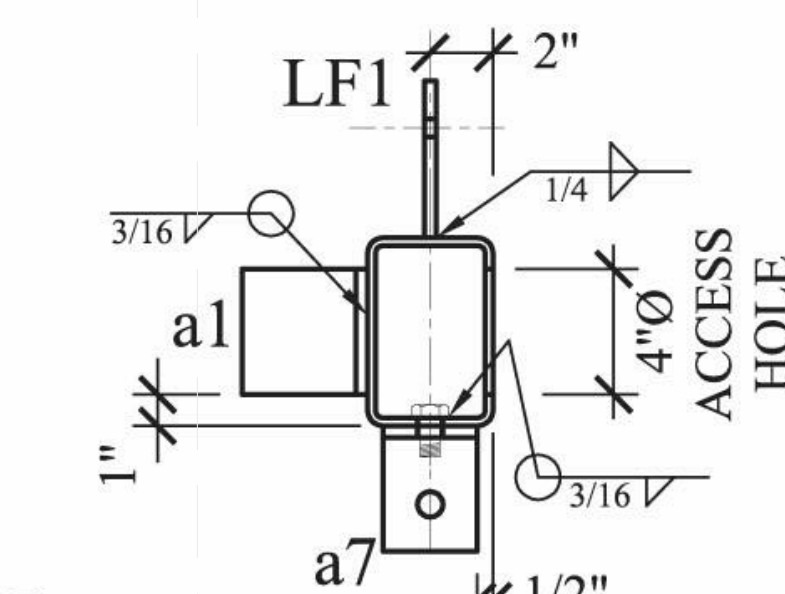
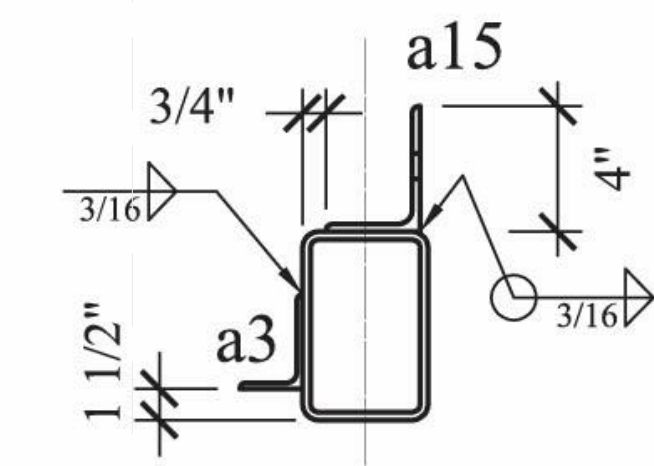
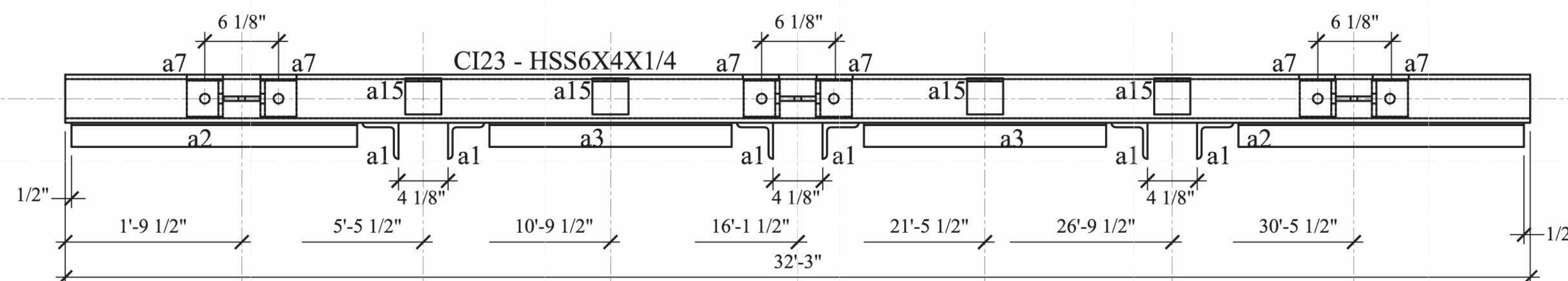
STEEL CAGE - BEAM
- CI23

SCALE: AS INDICATED

PLAN #:

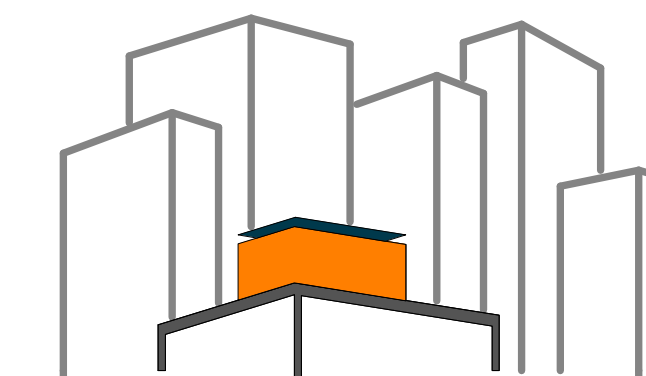
Z-013.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	CI23		HSS6X4X1/4	32'-3"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	3		LF1	PL3/8X3	0'-5"		LIFTING PLATE SEE DETAIL				
	6		a1	L3X3X3/8	0'-4"						
	2		a2	L3X2X3/16	4'-11 1/2"						
	2		a3	L3X2X3/16	9'-9"						
	6		a7	L4X3X3/8	0'-3"		SEE DETAIL				
	4		a15	L4X3X1/4	0'-3"		SEE DETAIL				



13/16" Ø VERT SHORT
SLOTTED
HOLE

a15



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:41 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

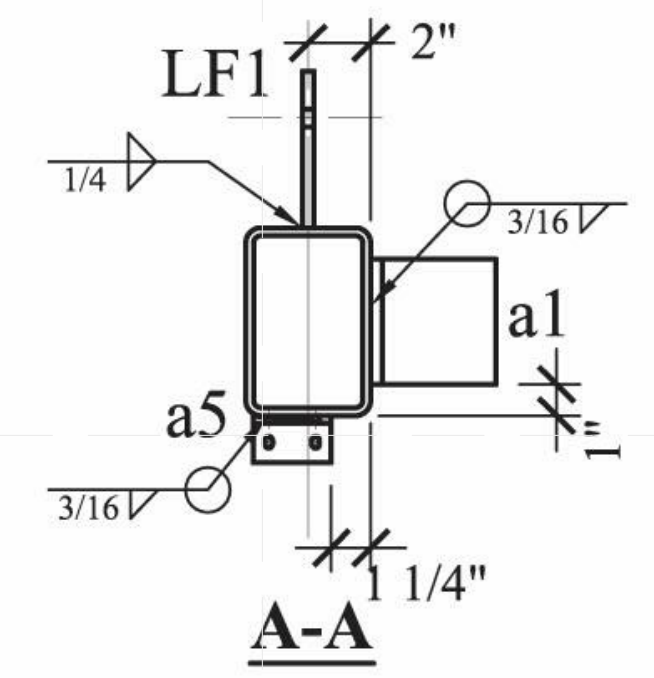
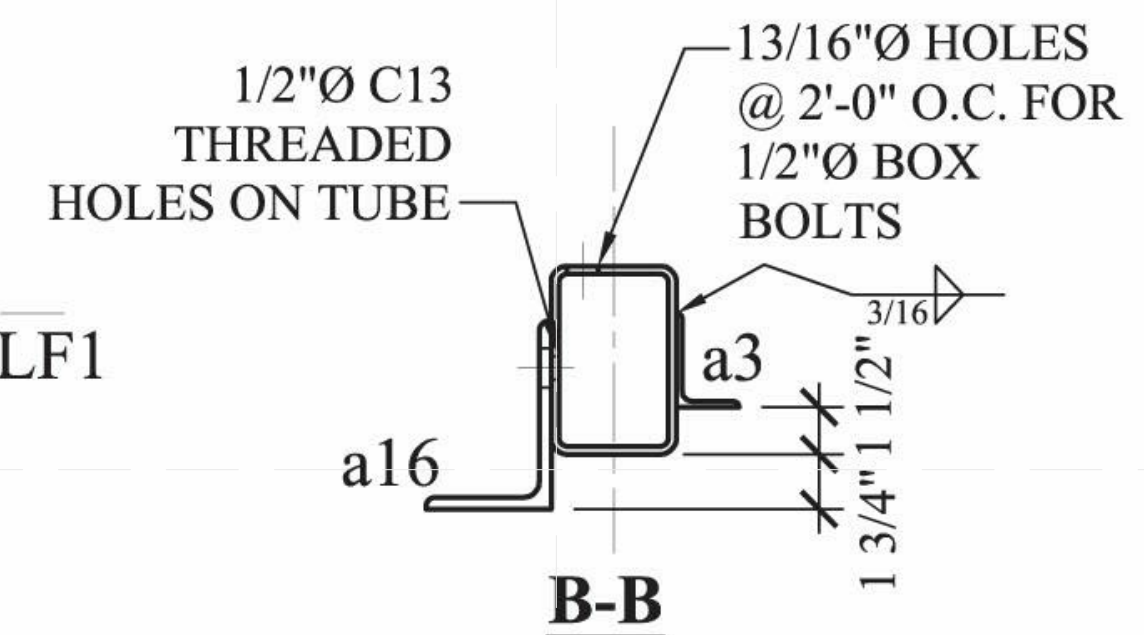
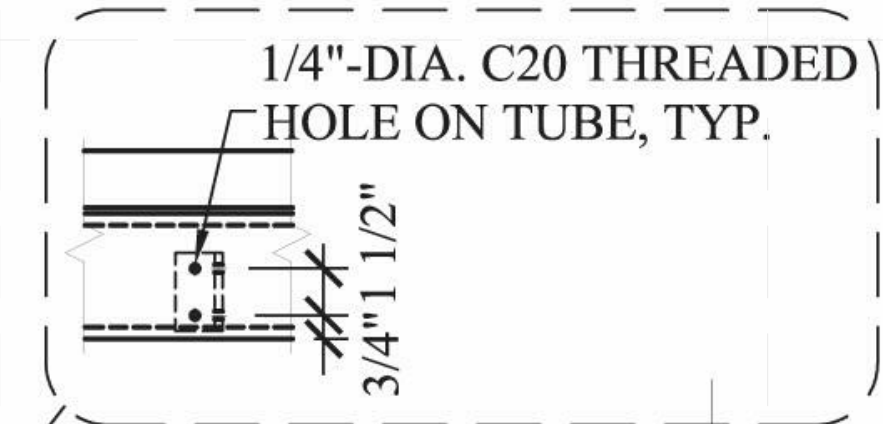
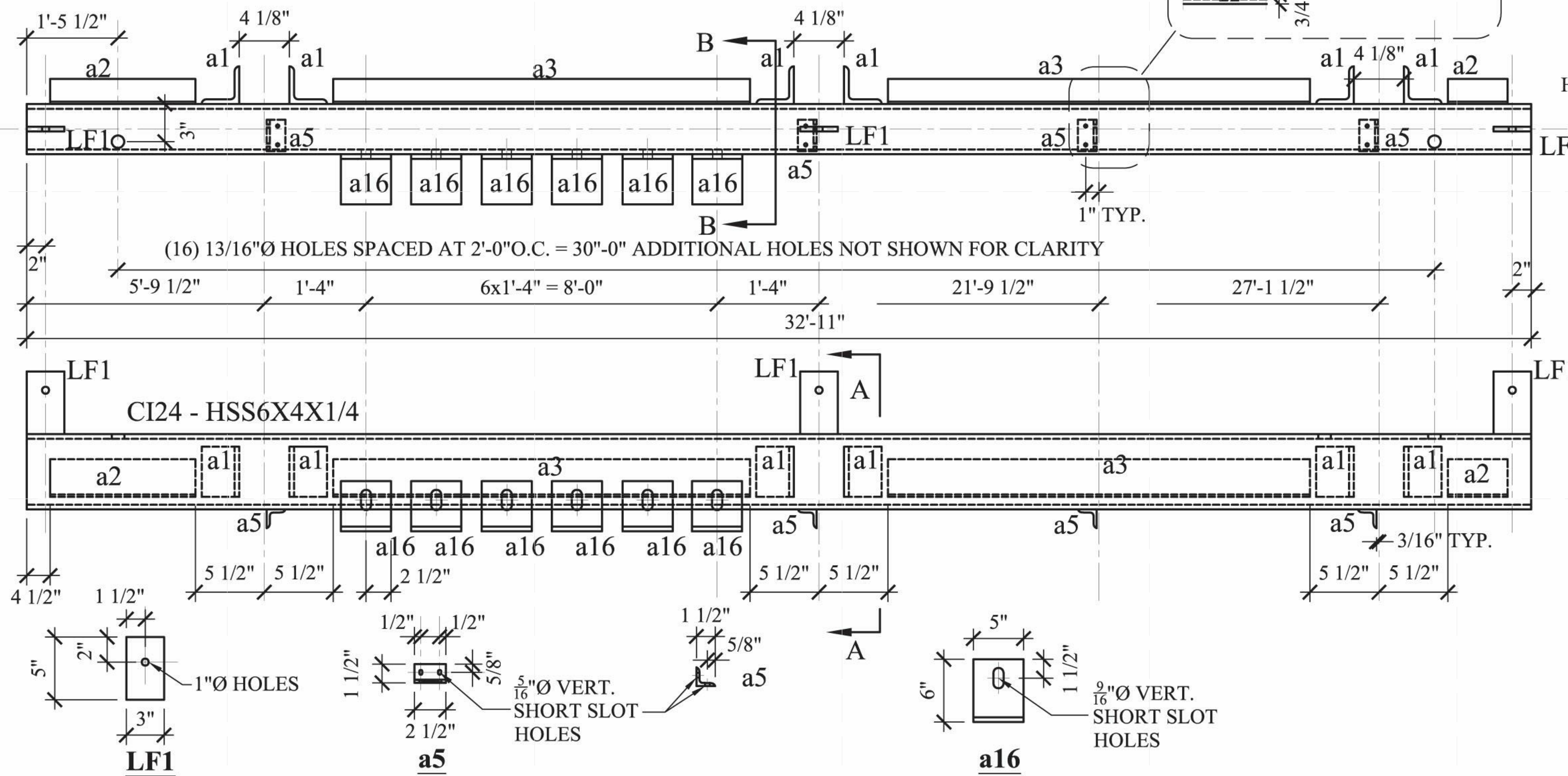
SHEET TITLE:
STEEL CAGE - BEAM
- CI24

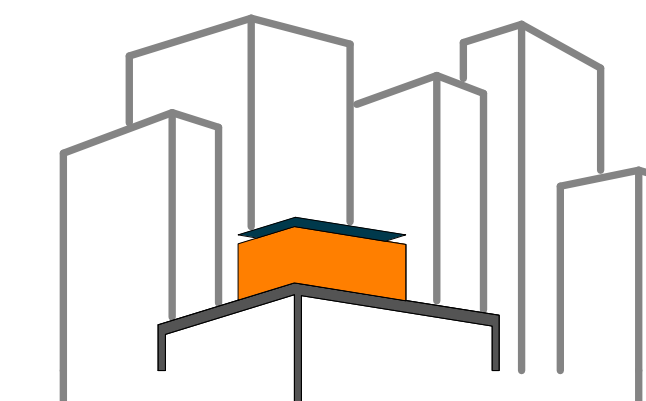
SCALE: AS INDICATED

PLAN #:

Z-014.01

BILL OF MATERIAL							MATERIAL SPEC				
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	CI24		HSS6X4X1/4	32'-11"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	3		p5	PL3/8X3	0'-5"						
	6		a1	L3X3X3/8	0'-4"						
	2		a2	L3X2X3/16	4'-11 1/2"						
	2		a3	L3X2X3/16	9'-9"						
	4		a5	L1 1/2"X1 1/2"X1/4"	0'-2 1/2"						
	6		a16	L6X4X3/8	0'-5"						
	16			1/2"Ø A307 BOX BOLTS (BQ2z12)			PROVIDE BOLTS FOR ATTACHING 2x4 SILL PLATE				





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:44 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

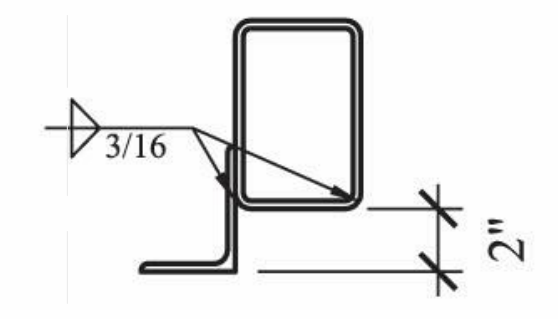
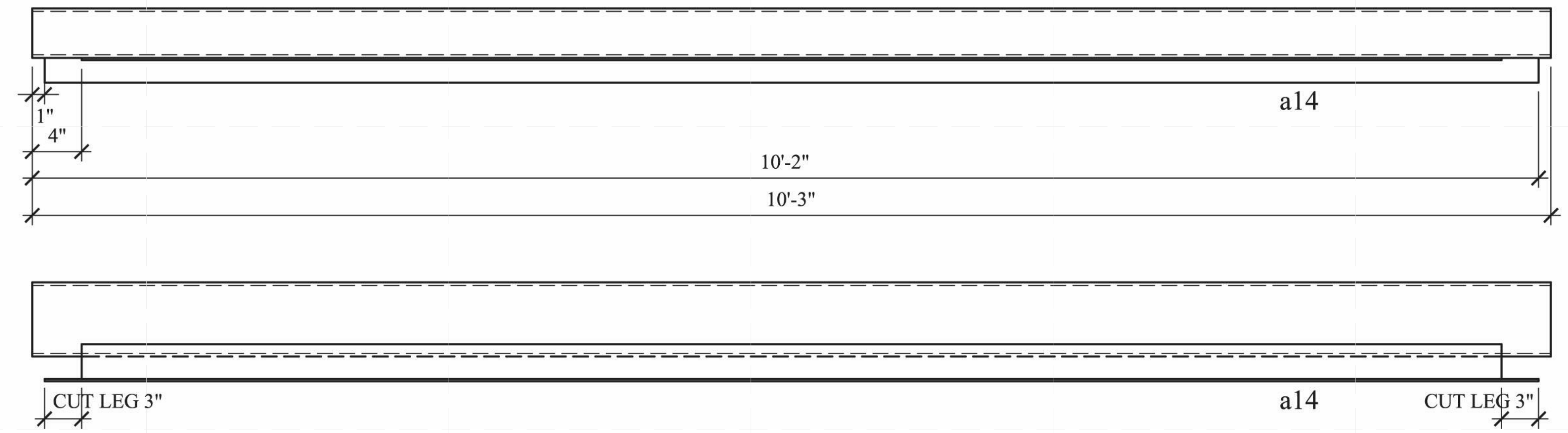
SHEET TITLE:
STEEL CAGE - BEAM
- DF6

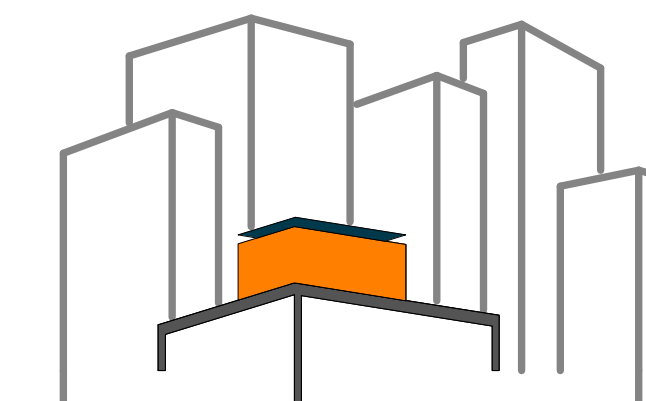
SCALE: **AS INDICATED**
PLAN #:

Z-015.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	DF6		HSS6X4X1/4	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT, LEAVE 6" AT EACH
	2		a14	L4X3X1/4	10'-1"		CUT 3" LEG AT BOTH ENDS				END FOR FIELD PAINT AFTER WELD

DF6 - HSS6x4x1/4





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:47 PM

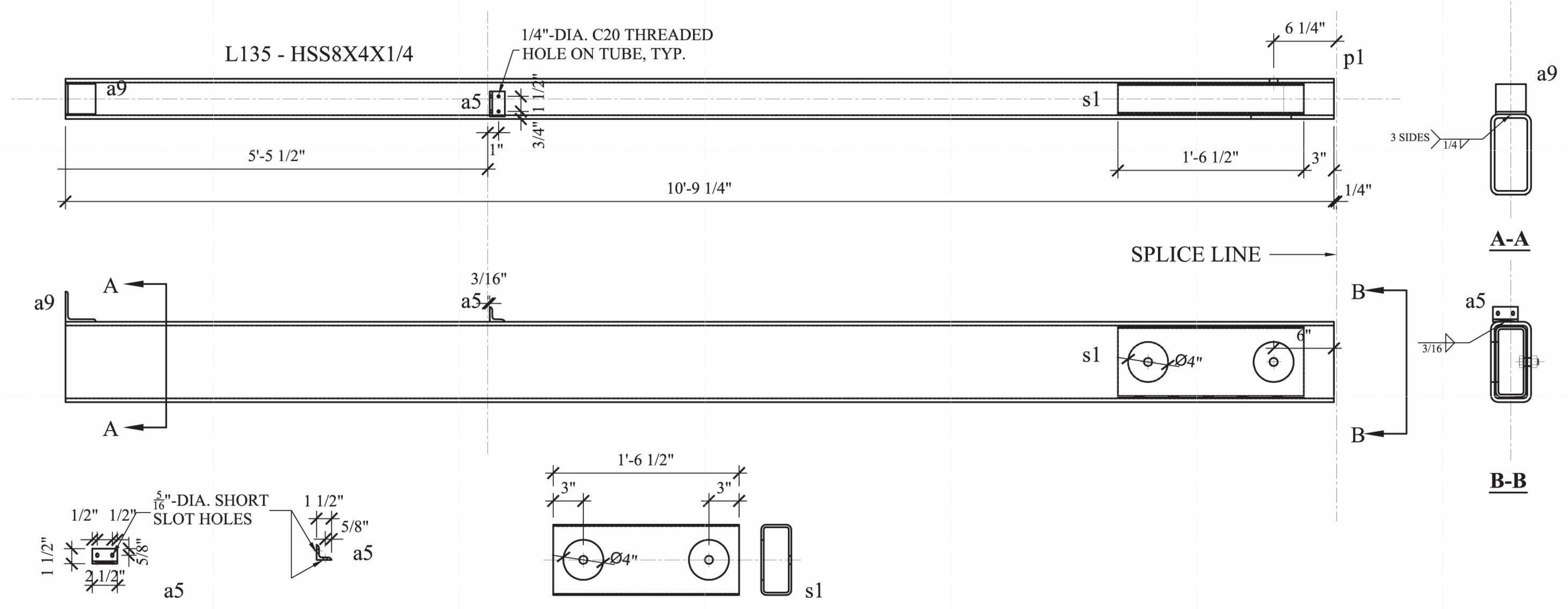
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

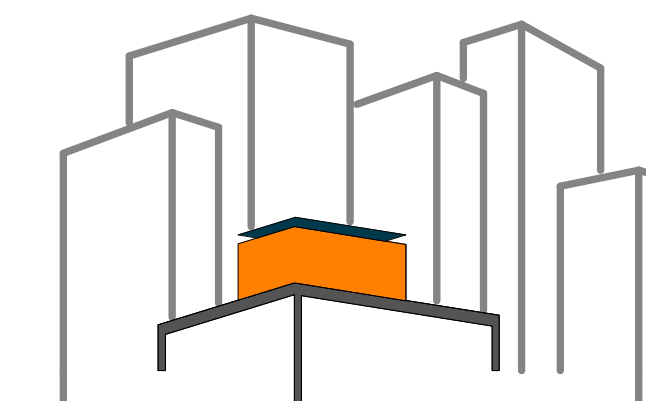
SHEET TITLE:
STEEL CAGE - BEAM
- L135

SCALE: AS INDICATED
PLAN #:

Z-016.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	L135		HSS8X4X1/4	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		s1	HSS 7X3X1/4	1'-6 1/2"						
	1		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	1			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:50 PM

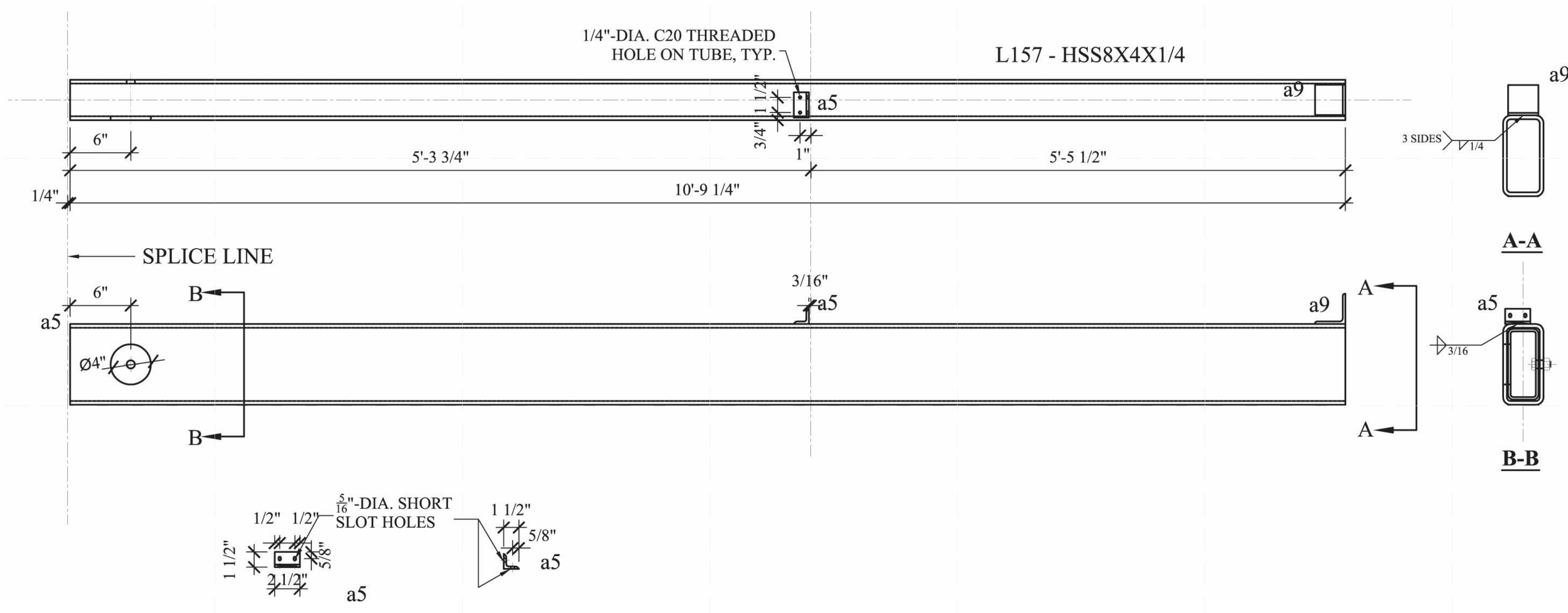
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

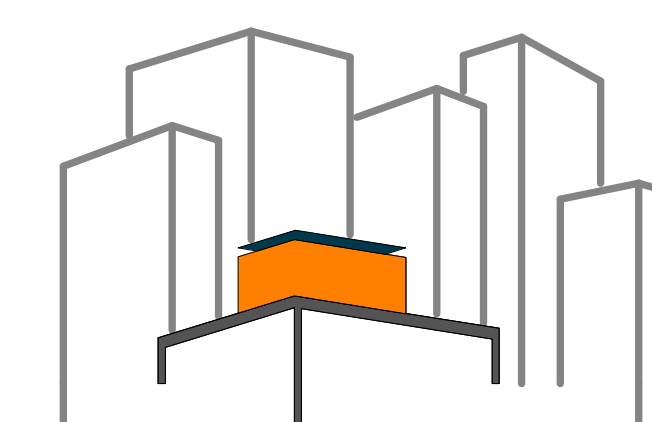
SHEET TITLE:
STEEL CAGE - BEAM
- L157

SCALE: AS INDICATED
PLAN #:

Z-017.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	L157		HSS8X4X1/4	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	1			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD
www.ccnyssolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:54:54 PM

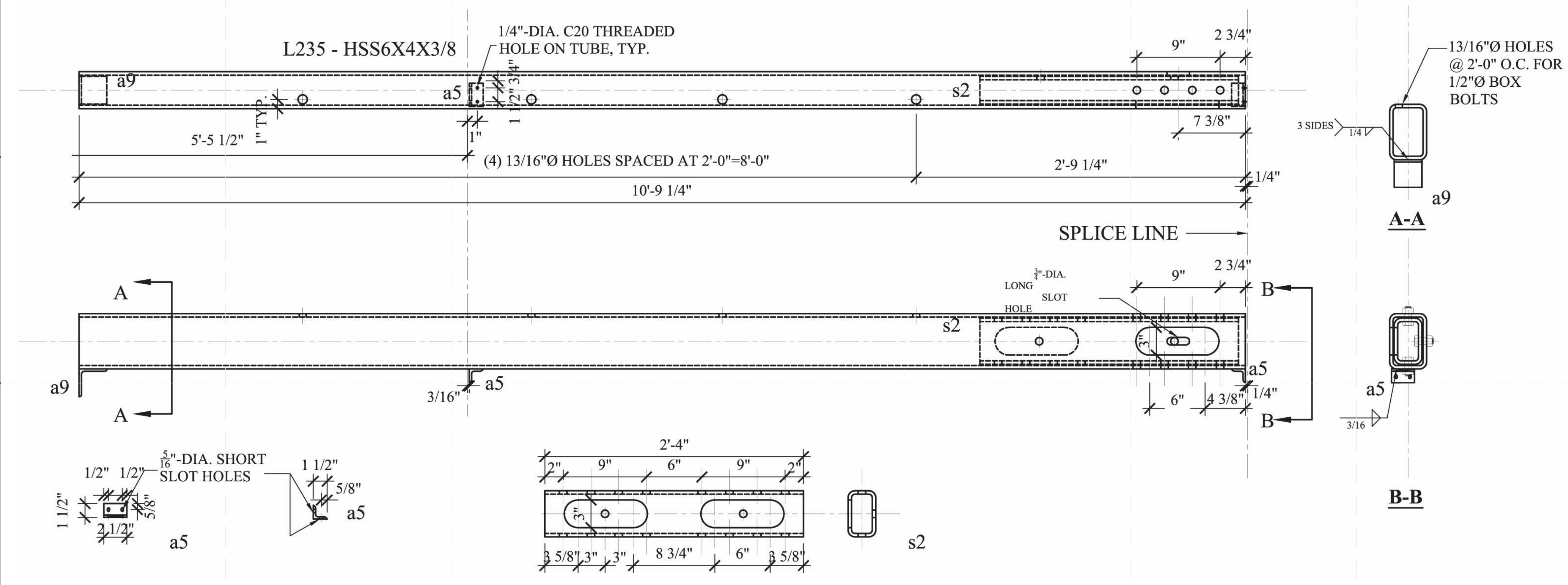
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

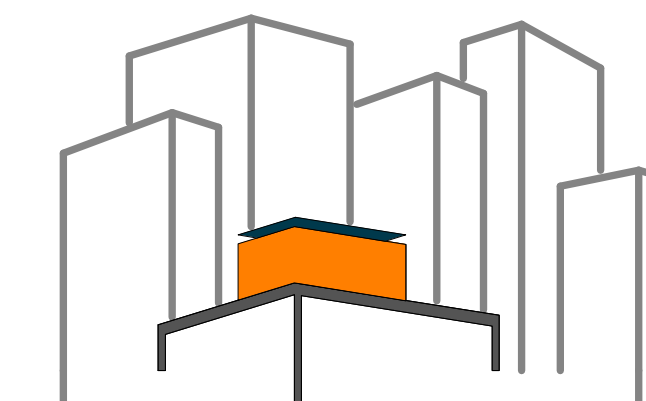
SHEET TITLE:
STEEL CAGE - BEAM
- L235

SCALE: AS INDICATED
PLAN #:

Z-018.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	L235		HSS6X4X3/8	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		s2	HSS 5X3X3/8	2'-4"						
	2		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	9			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: XIAOLI TONG

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:54:58 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

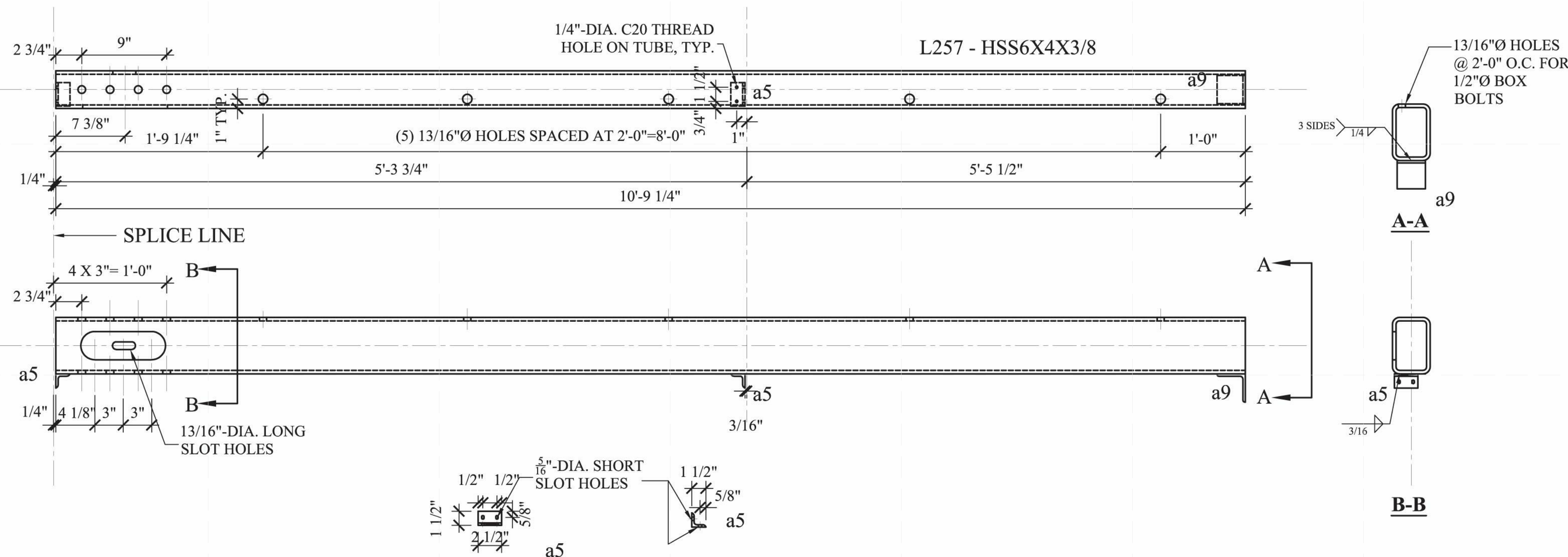
STEEL CAGE - BEAM
- L257

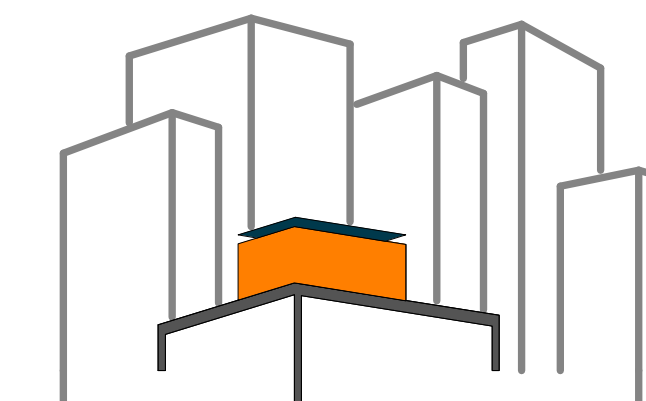
SCALE: AS INDICATED

PLAN #:

Z-019.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	L257		HSS6X4X3/8	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	2		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	9			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:01 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE - BEAM
- LL235

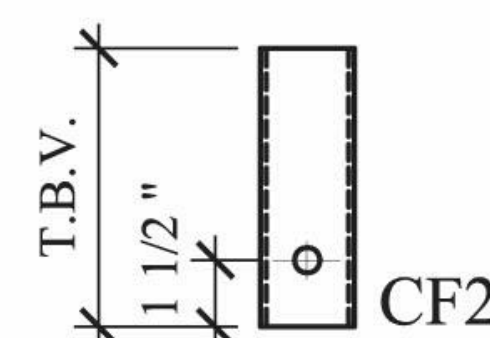
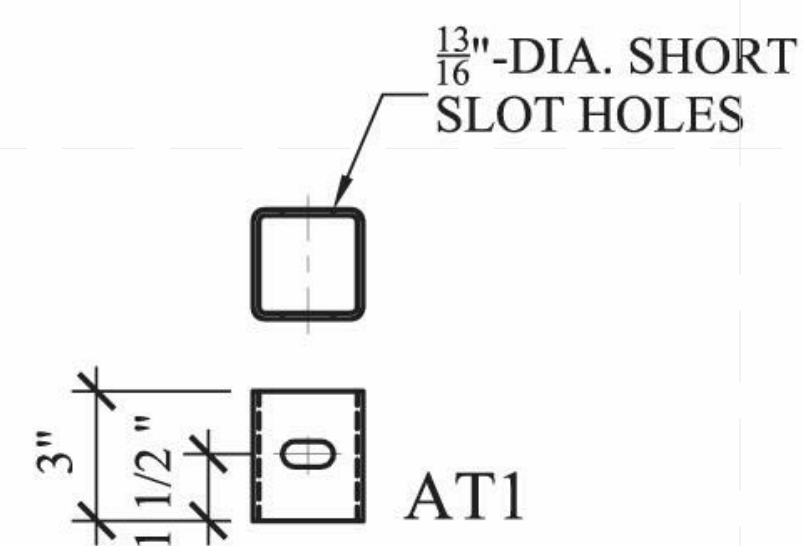
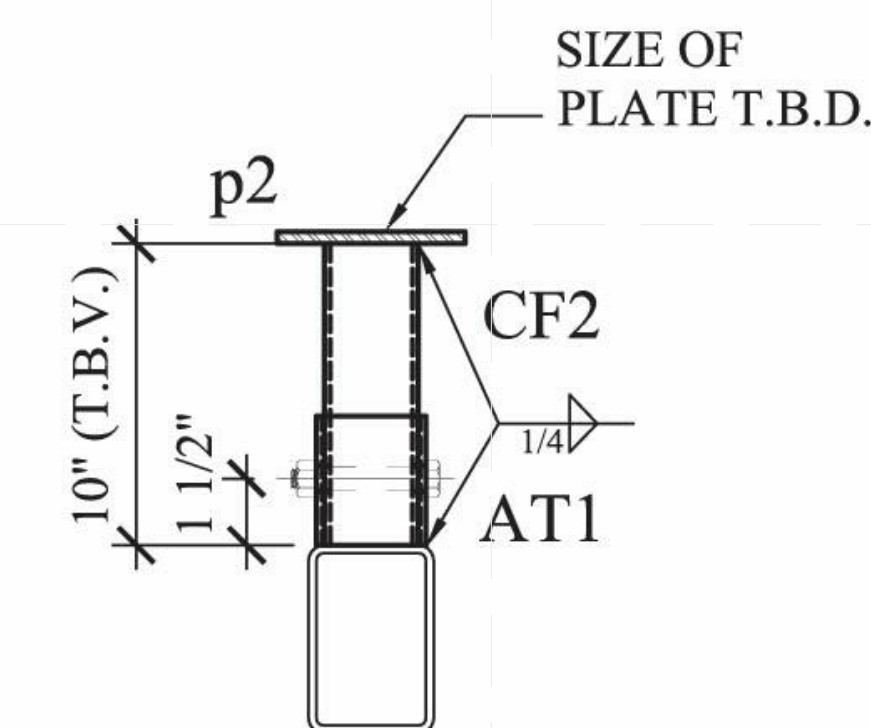
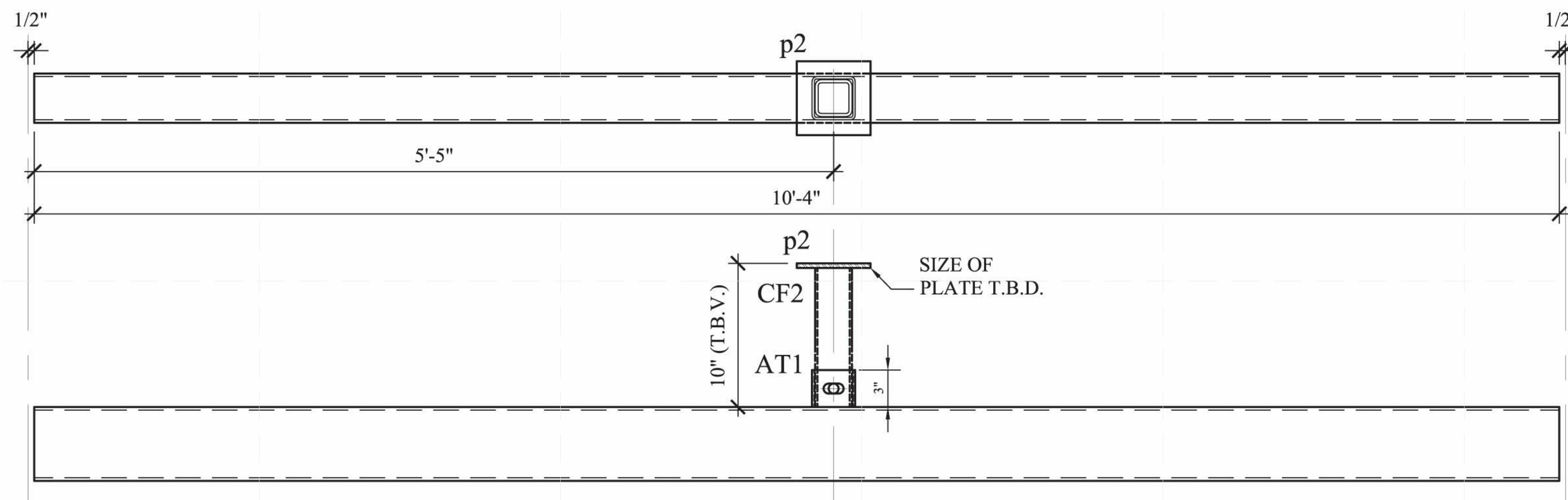
SCALE: AS INDICATED

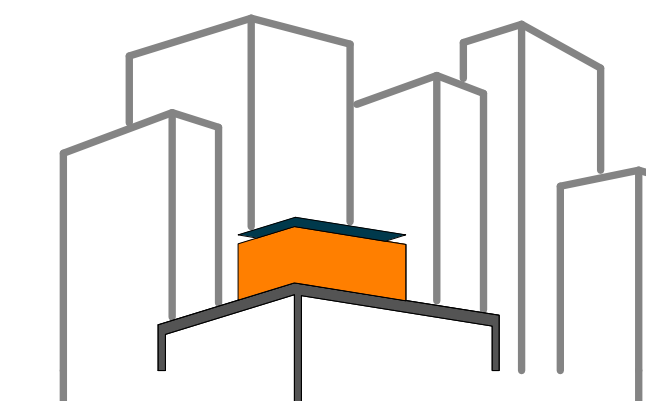
PLAN #:

Z-020.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	LL235		HSS6X4X1/4	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT, LEAVE 6" AT EACH
	1		CF2	HSS3X3X1/4 (S.S.)	0'-10" (T.B.V.)		GRADE 304 STAINLESS STEEL				END FOR FIELD PAINT AFTER WELD
	1		AT1	HSS3 1/2X 3 1/2X3/16	0'-3"						
	1		p2	T.B.D.	T.B.D.						
	2			3/4"-DIA. A325N BOLTS							

LL235 - HSS6x4x1/4





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:04 PM

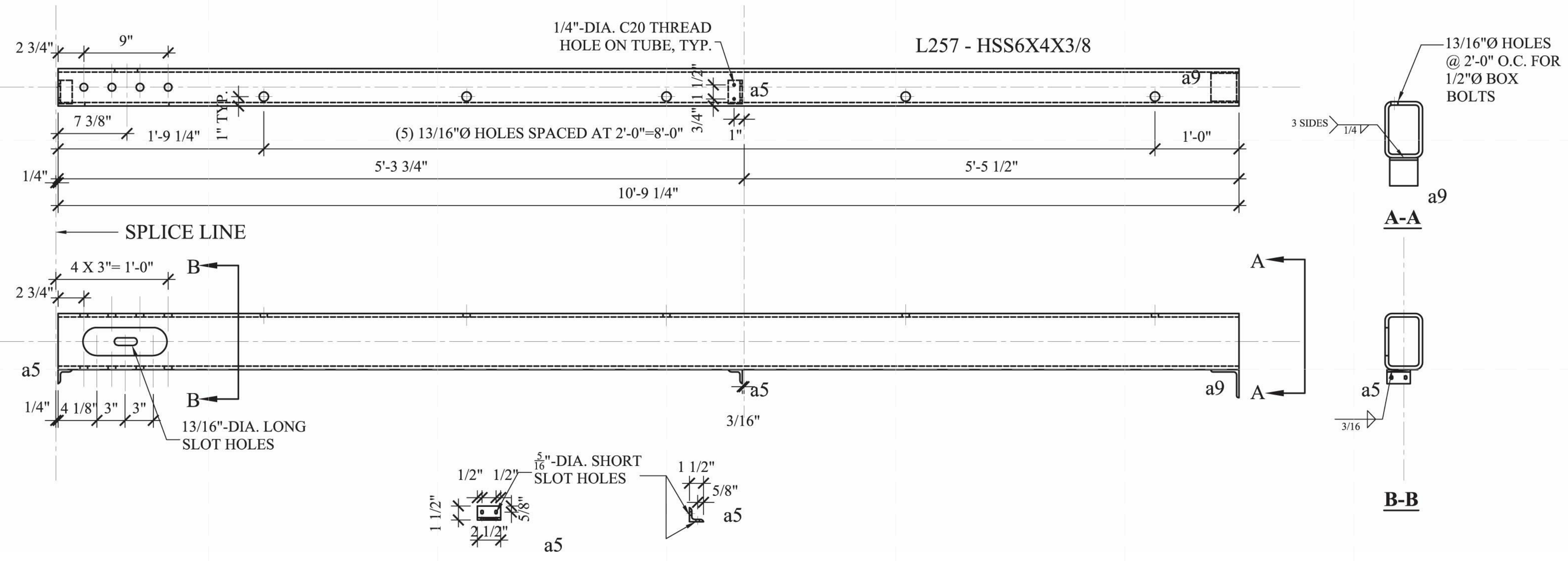
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

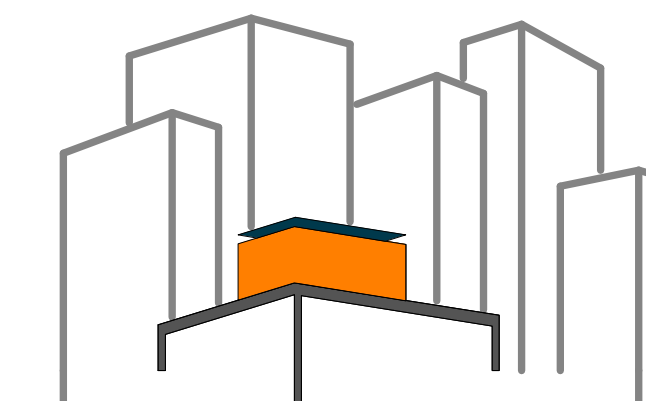
SHEET TITLE:
STEEL CAGE - BEAM
- LL257

SCALE: AS INDICATED
PLAN #:

Z-021.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	L257		HSS6X4X3/8	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	2		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	9			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:07 PM

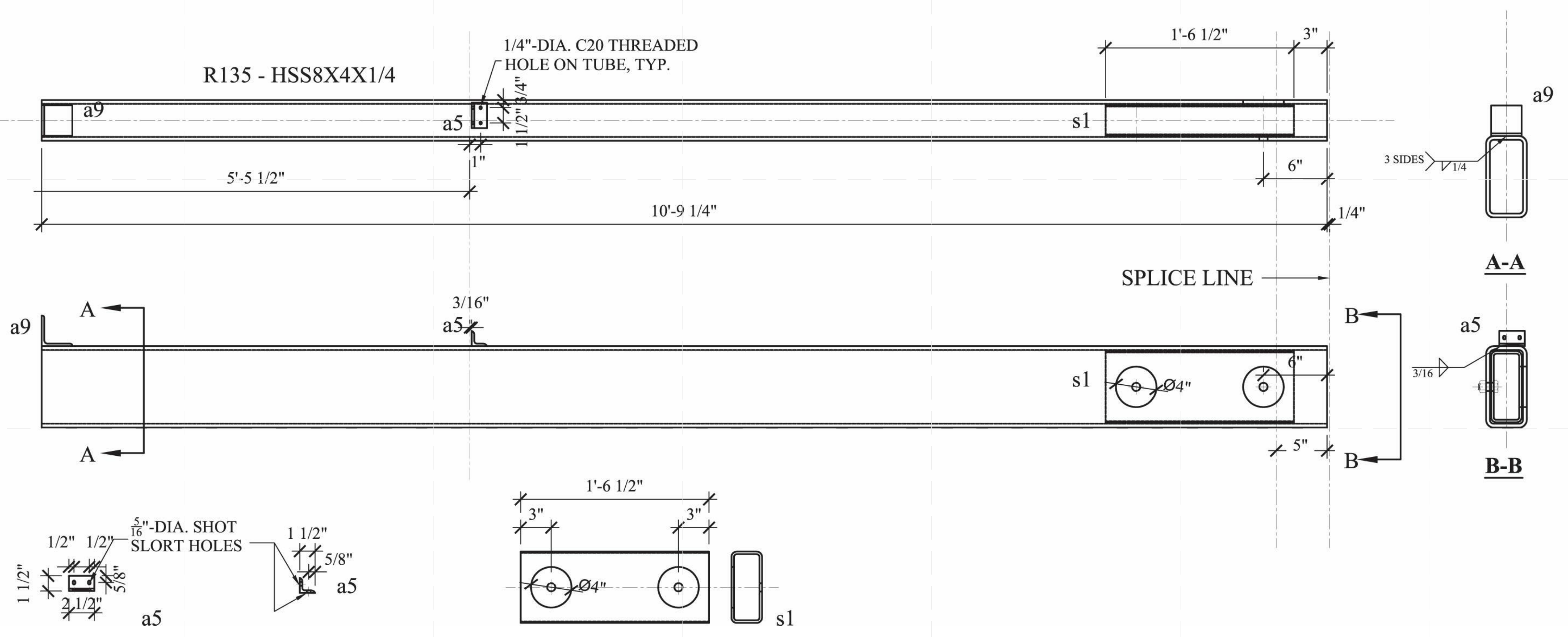
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

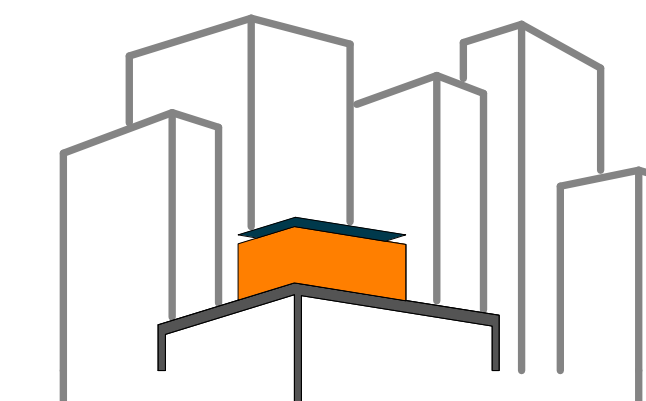
SHEET TITLE:
STEEL CAGE- BEAM
- R135

SCALE: AS INDICATED
PLAN #:

Z-022.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	R135		HSS8X4X1/4	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		s1	HSS 7X3X1/4	1'-6 1/2"						
	1		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	1			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:10 PM

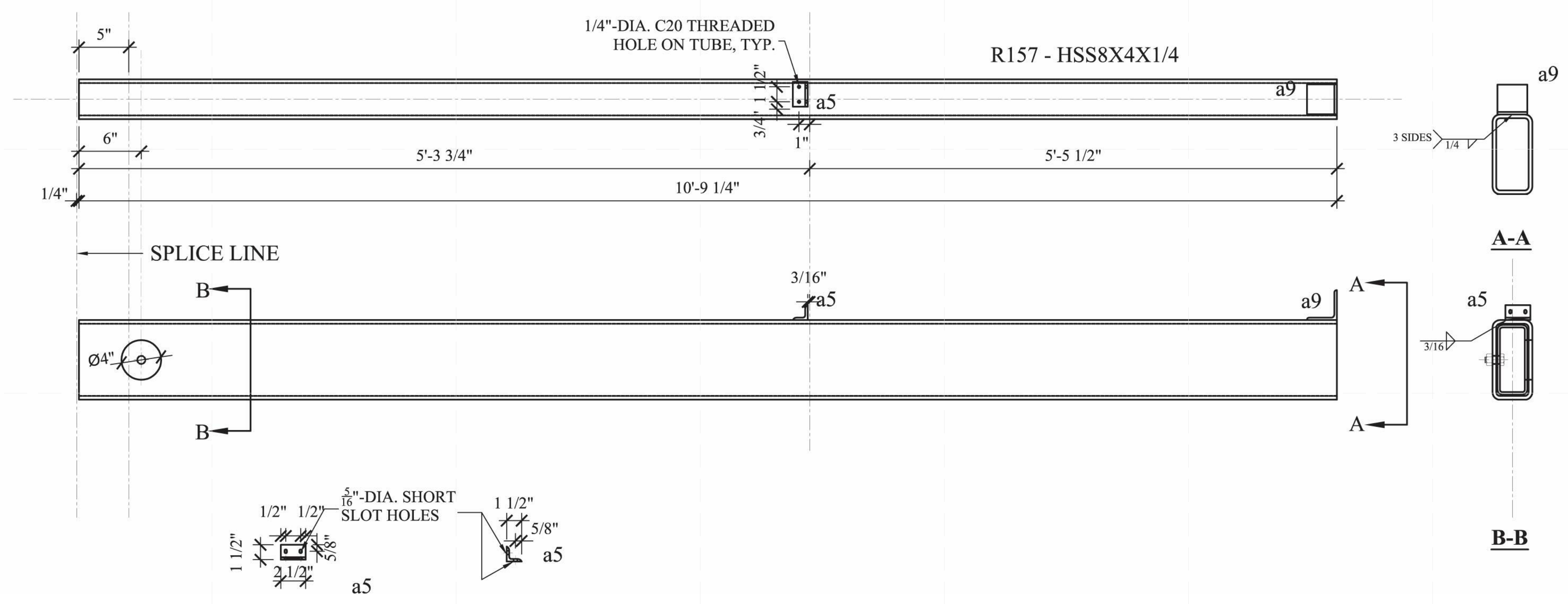
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

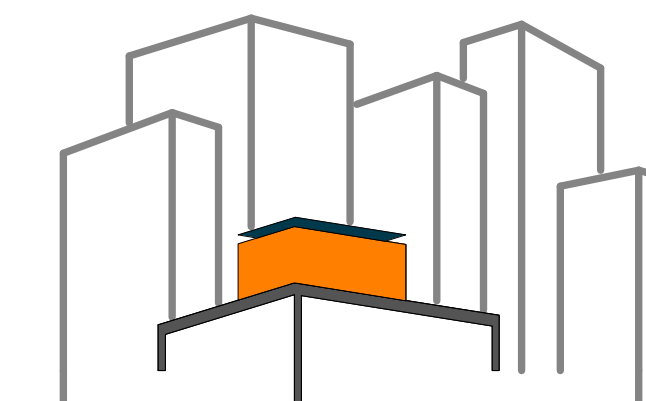
SHEET TITLE:
STEEL CAGE - BEAM
- R157

SCALE: AS INDICATED
PLAN #:

Z-023.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	R157		HSS8X4X1/4	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	2		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	2			3/4"-DIA. A325N BOLTS	1x0'-5"; 1x0'-2"						





SOLAR ROOF POD
www.ccnyssolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnyssd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:13 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

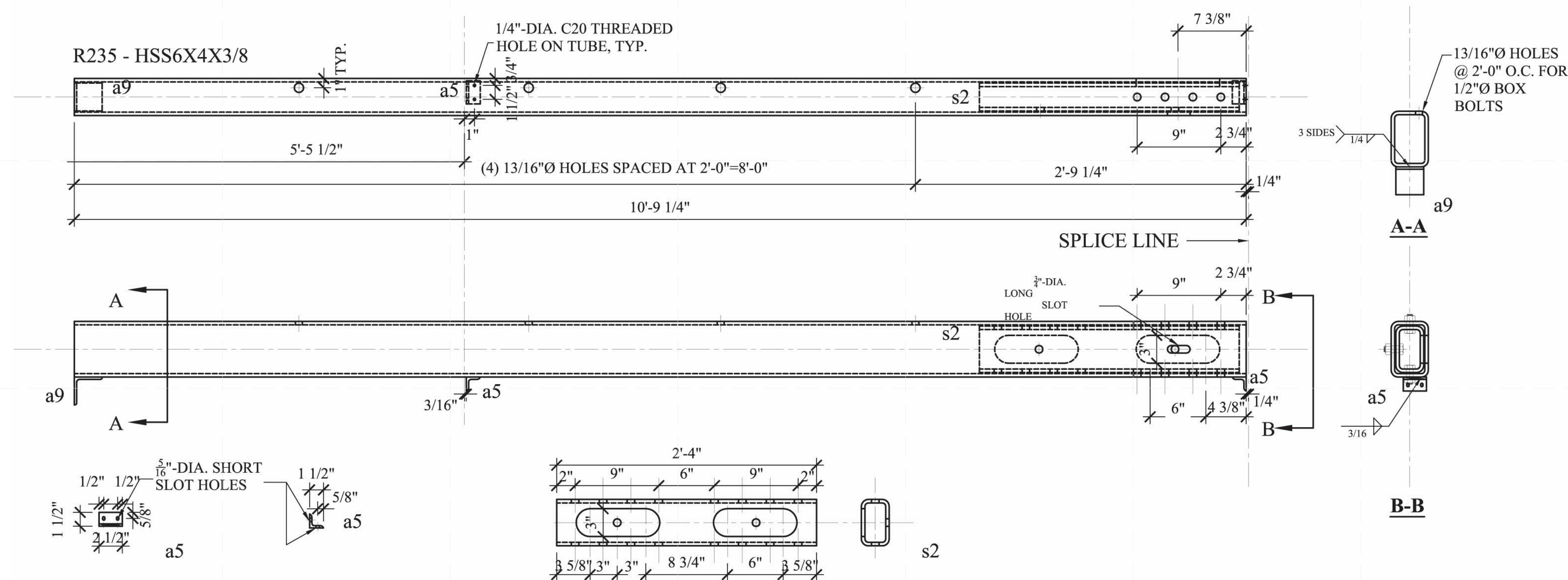
SHEET TITLE:
STEEL CAGE - BEAM
- R235

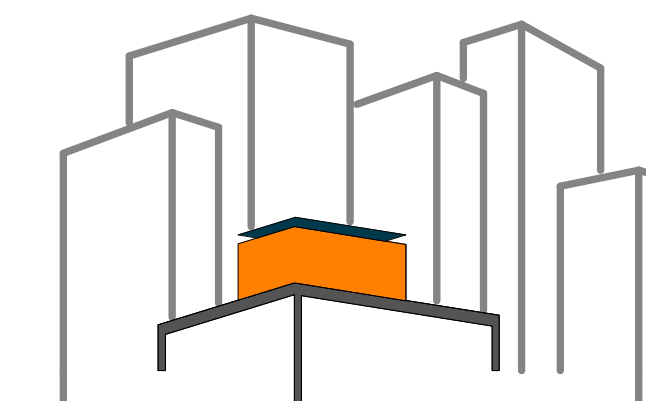
SCALE: AS INDICATED

PLAN #:

Z-024.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	R235		HSS6X4X3/8	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		s2	HSS 5X3X3/8	2'-4"						
	2		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	9			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:16 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

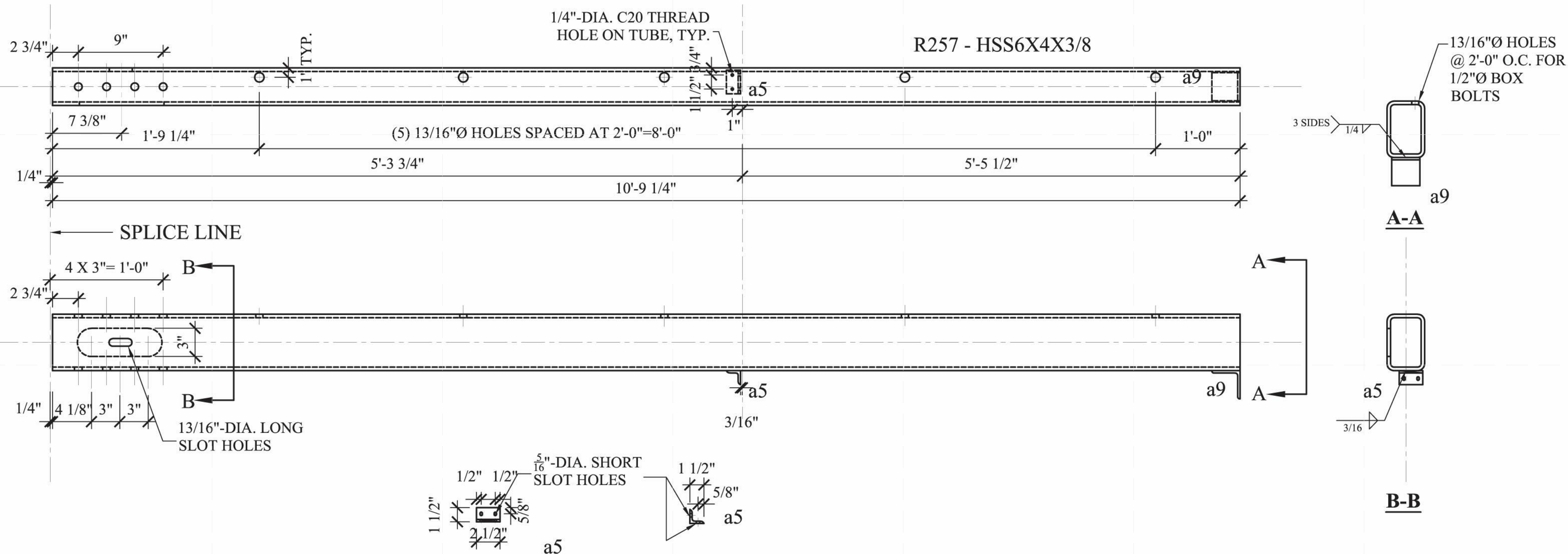
SHEET TITLE:
STEEL CAGE - BEAM
- R257

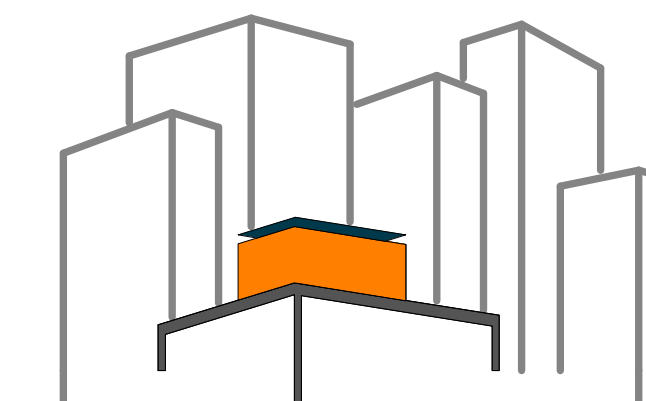
SCALE: AS INDICATED

PLAN #:

Z-025.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	R257		HSS6X4X3/8	10'-9 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		a5	L1 1/2X1 1/2X1/4	0'-2 1/2"		W/ 4 1/4"-DIA. BOLTS FOR FINS				
	1		a9	L3X3X1/4	0'-3"						
	9			3/4"-DIA. A325N BOLTS	0'-2"						





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:19 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

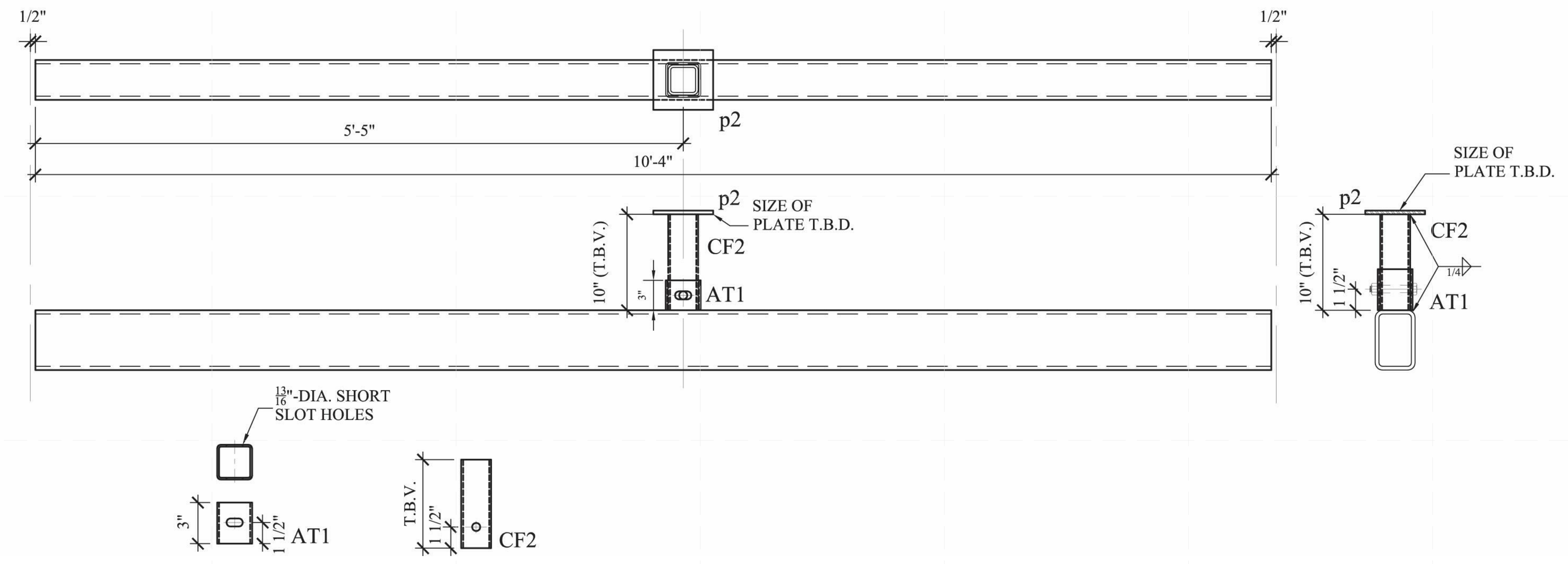
SHEET TITLE:
STEEL CAGE - BEAM
- RA235

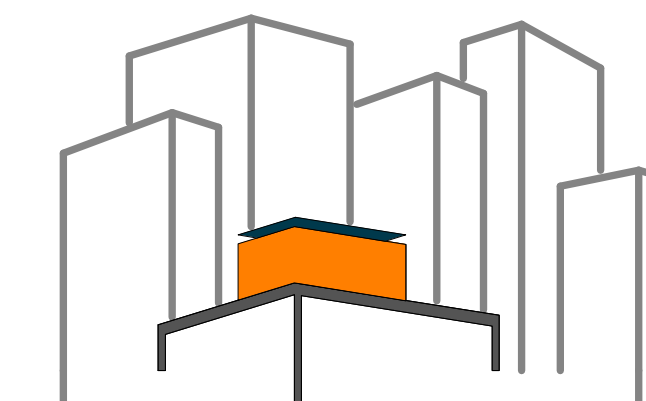
SCALE: **AS INDICATED**
PLAN #:

Z-026.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	RA235		HSS6X4X3/8	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT, LEAVE 6" AT EACH
	1		p2	T.B.D.	T.B.D.						END FOR FIELD PAINT AFTER WELD
	1		CF2	HSS3X3X1/4 (S.S.)	0'-10" (T.B.V.)		GRADE 304 STAINLESS STEEL				
	1		AT1	HSS3 1/2X 3 1/2X3/16	0'-3"						
	2			3/4"-DIA. A325N BOLTS							

RA235 - HSS6x4x3/8





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:22 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE - BEAM
- RA257

SCALE: AS INDICATED

PLAN #:

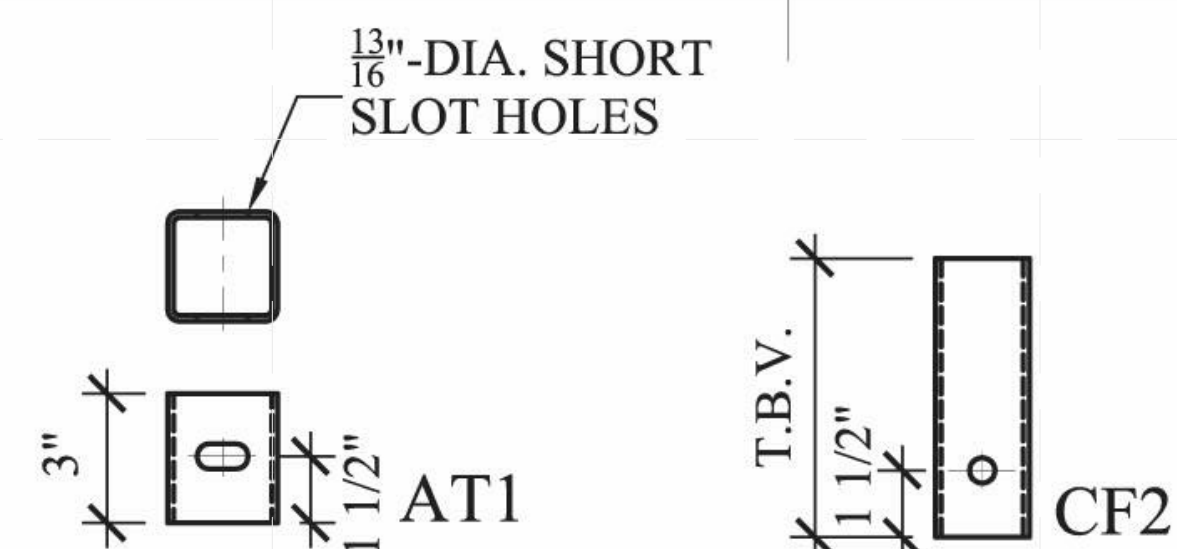
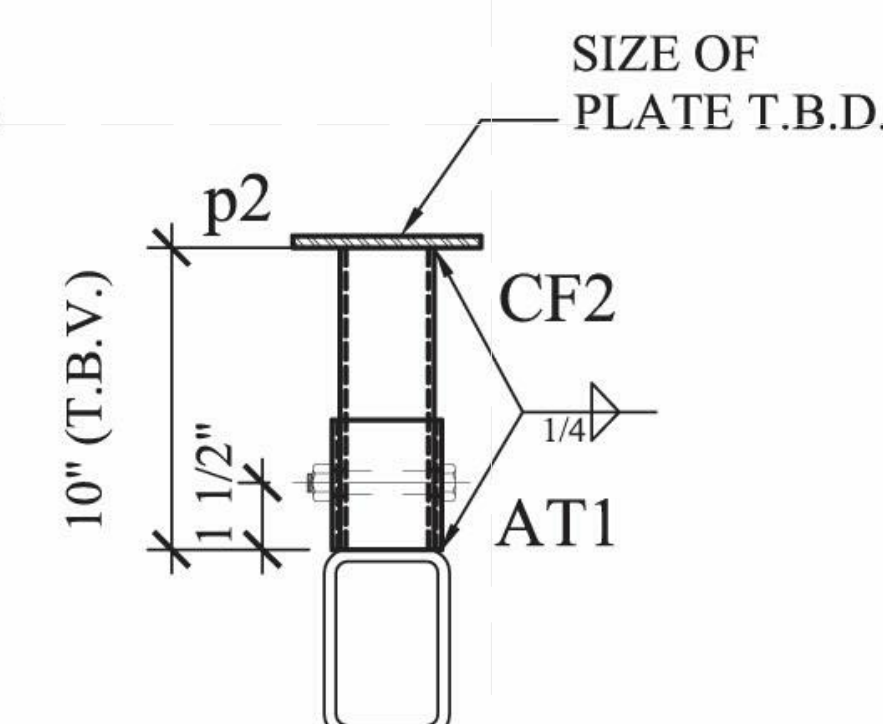
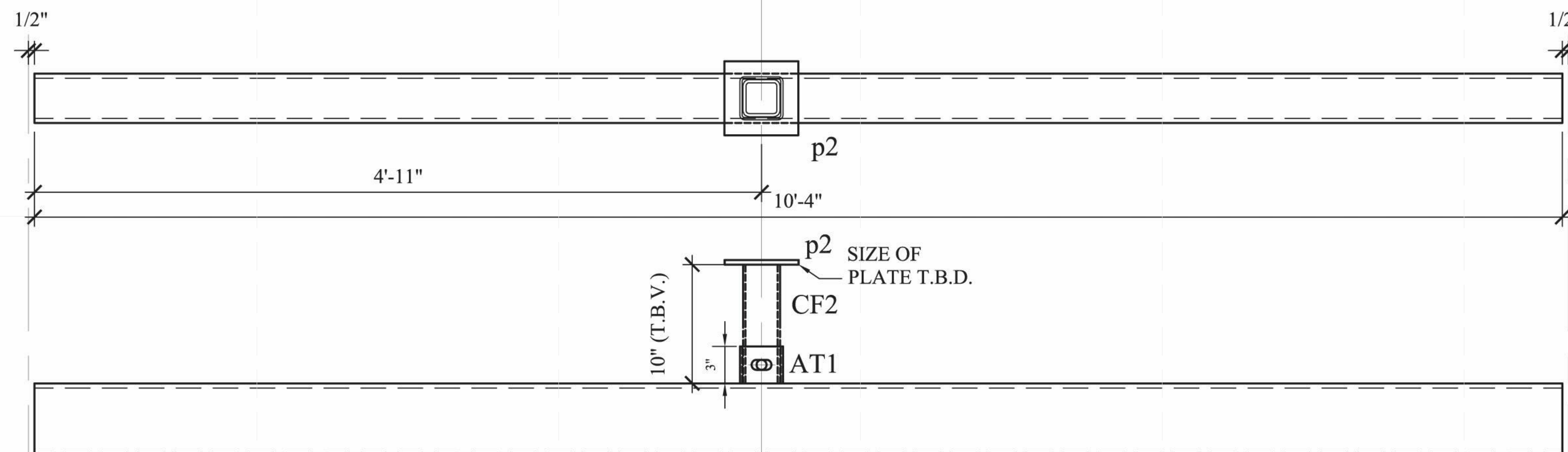
Z-027.01

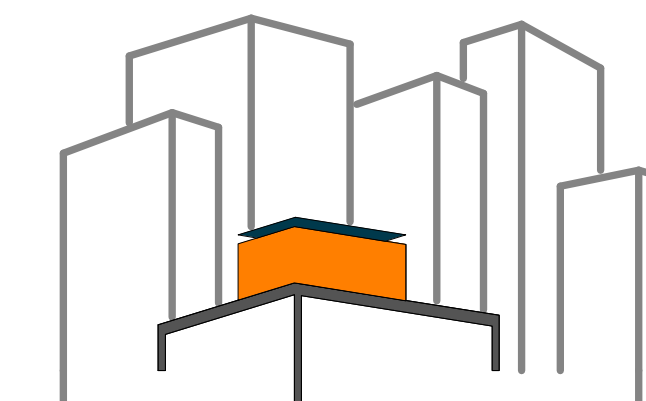
BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	RA257		HSS6X4X3/8	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT, LEAVE 6" AT EACH
	1		p2	T.B.D.	T.B.D.						END FOR FIELD PAINT AFTER WELD
	1		CF2	HSS3X3X1/4 (S.S.)	0'-10" (T.B.V.)		GRADE 304 STAINLESS STEEL				
	1		AT1	HSS3 1/2X 3 1/2X3/16	0'-3"						
	2			3/4"-DIA. A325N BOLTS							

RA257 - HSS6x4x3/8





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:25 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

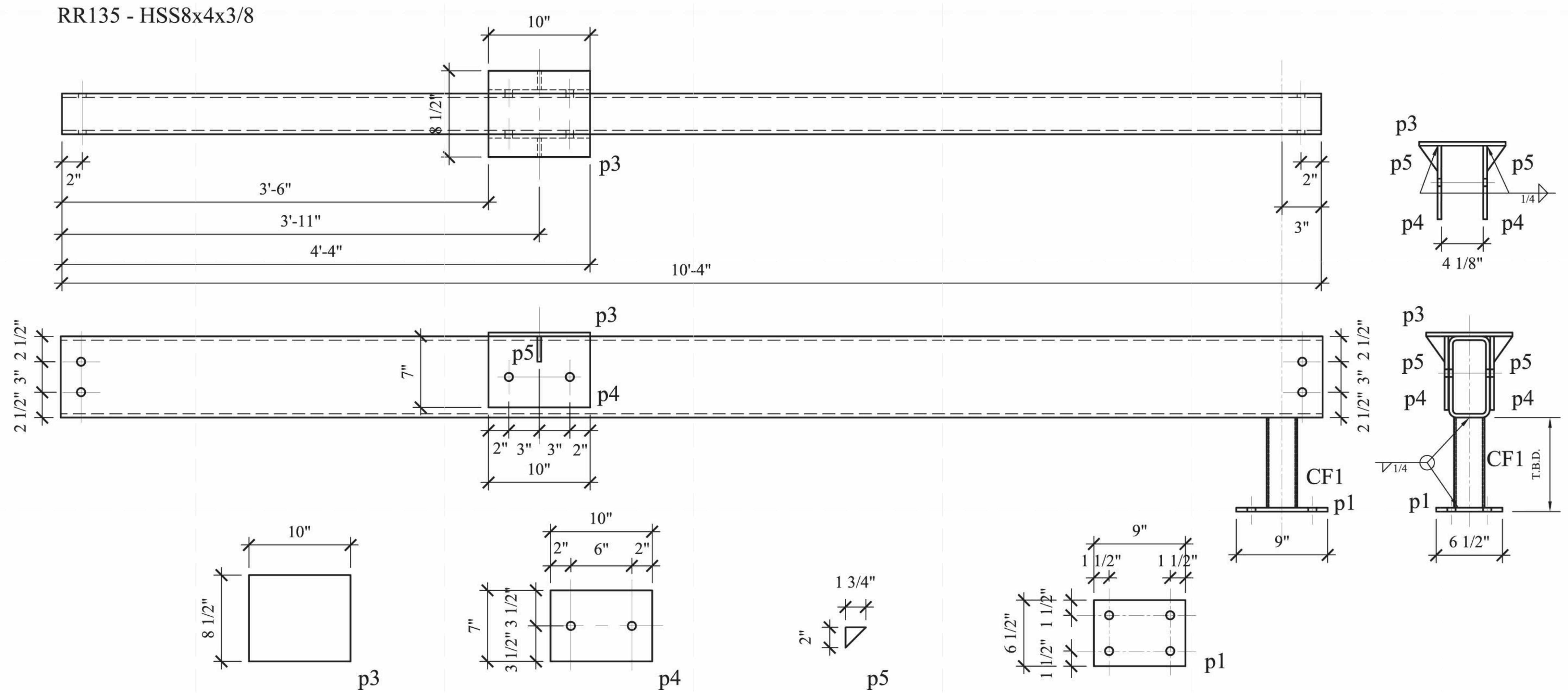
SHEET TITLE:
STEEL CAGE - BEAM
- RR135

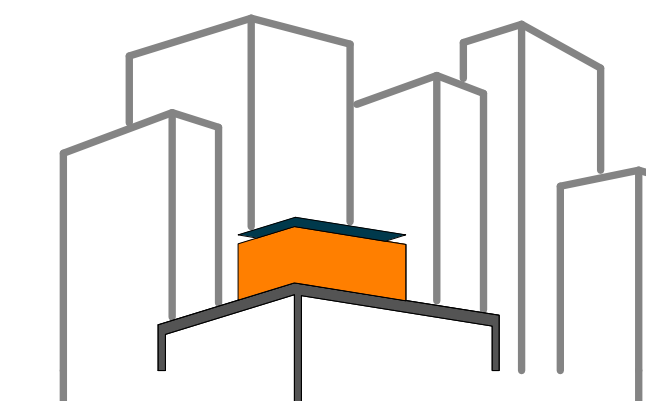
SCALE: AS INDICATED
PLAN #:

Z-028.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	RR135		HSS8X4X3/8	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		p3	PL3/8X8 1/2	0'-10"						
	2		p4	PL3/8X7	0'-10"						
	2		p5	PL3/8X1 3/4	0'-2"						
	1		p1	PL3/8X6 1/2	0'-9"						
	1		CF1	HSS3X3X3/16	T.B.D.						
	10			3/4"-DIA. A325N BOLTS							

RR135 - HSS8x4x3/8





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:28 PM

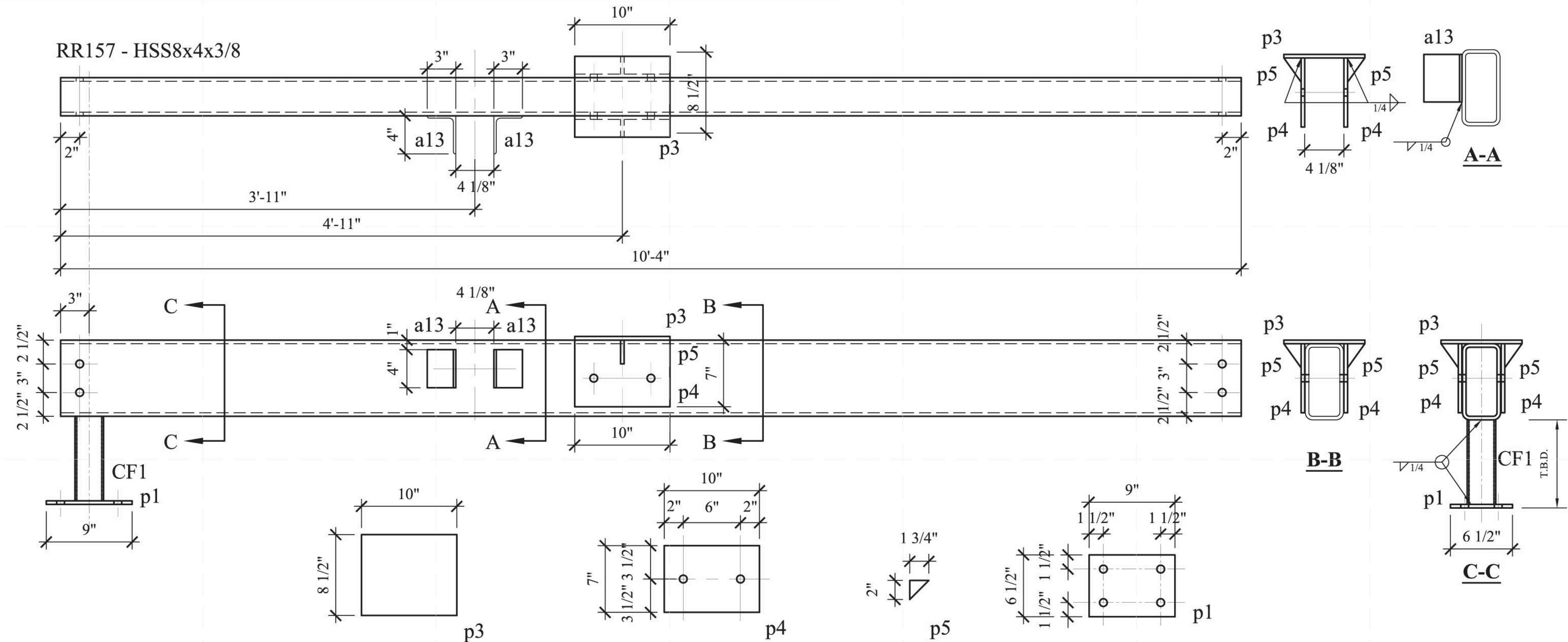
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

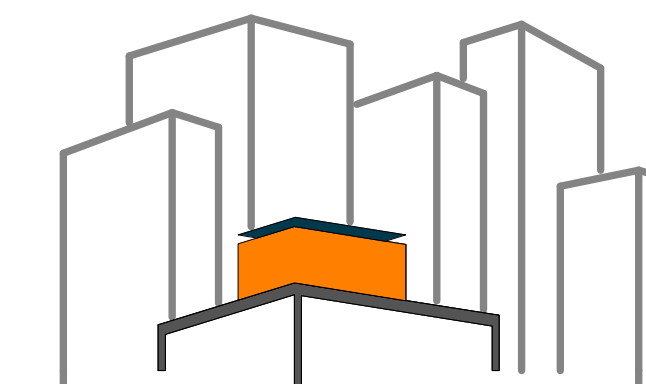
SHEET TITLE:
STEEL CAGE - BEAM
- RR157

SCALE: AS INDICATED
PLAN #:

Z-029.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	RR157		HSS8X4X3/8	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		p3	PL3/8X8 1/2	0'-10"						
	2		p4	PL3/8X7	0'-10"						
	2		p5	PL3/8X1 3/4	0'-2"						
	2		a13	L4X3X1/4	0'-4"						
	1		p1	PL3/8X6 1/2	0'-9"						
	1		CF1	HSS3X3X3/16	T.B.D.						
	10			3/4"-DIA. A325N BOLTS							





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:31 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE - BEAM
- RR 235

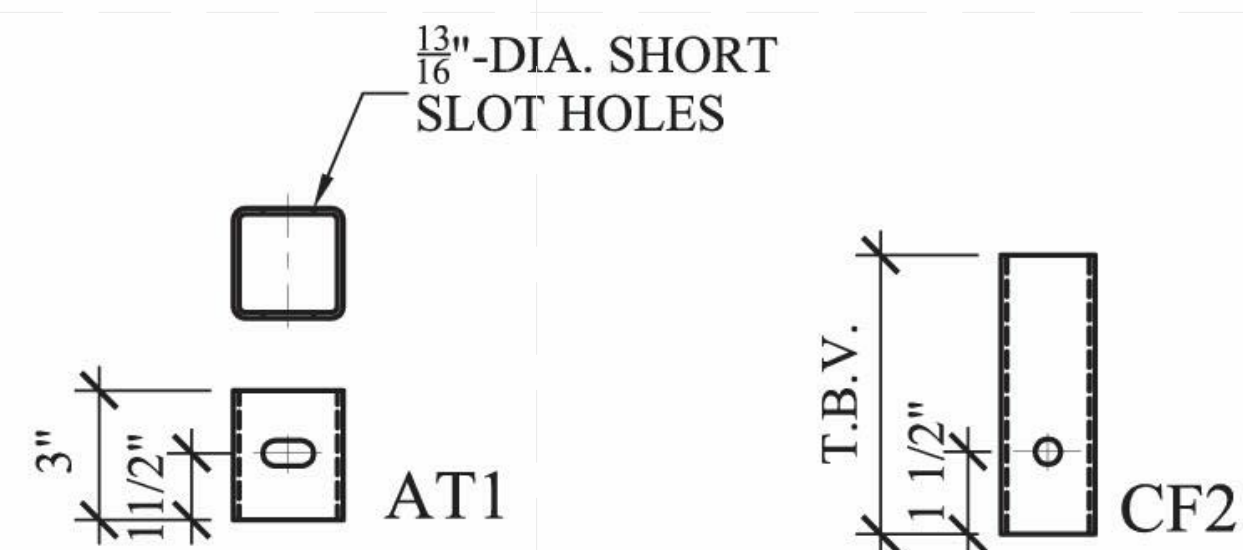
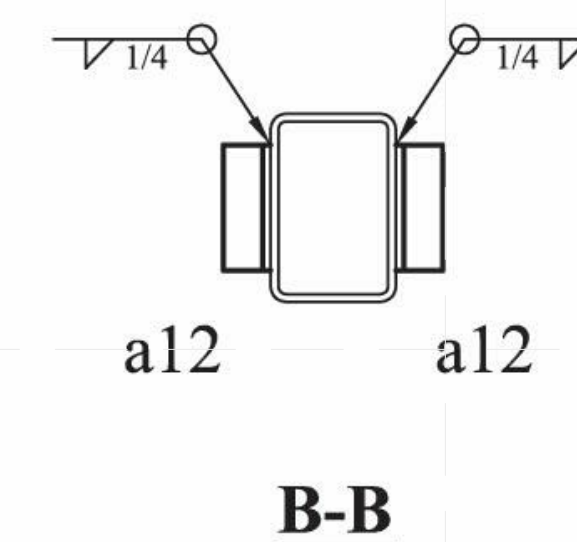
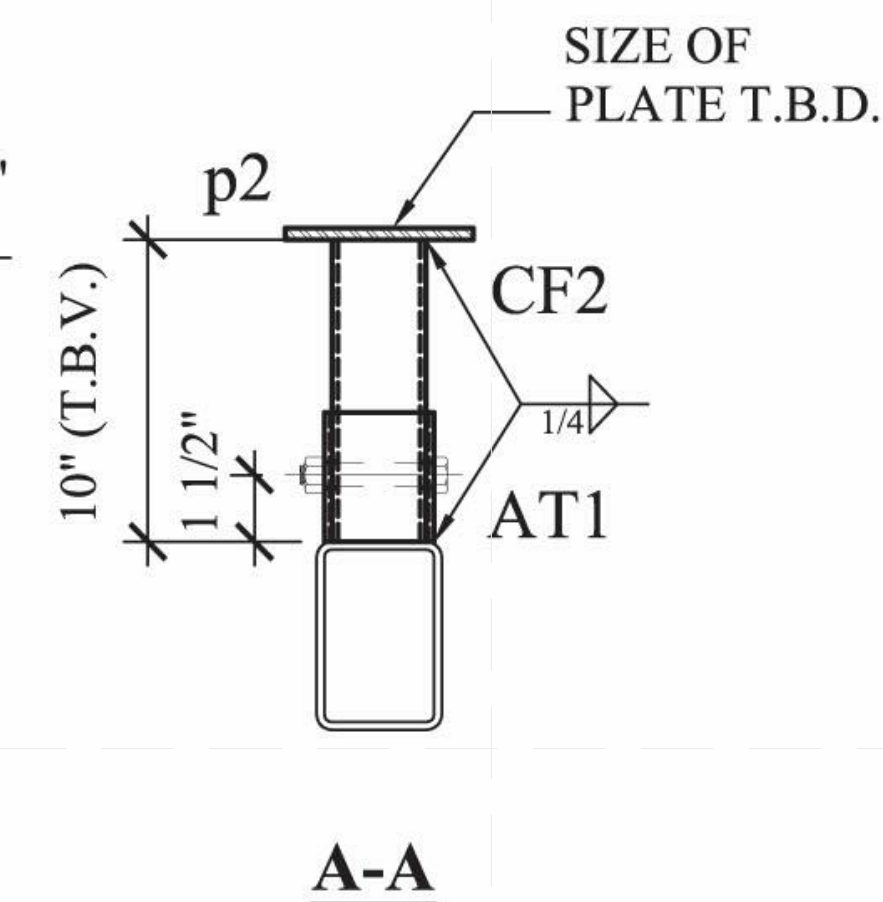
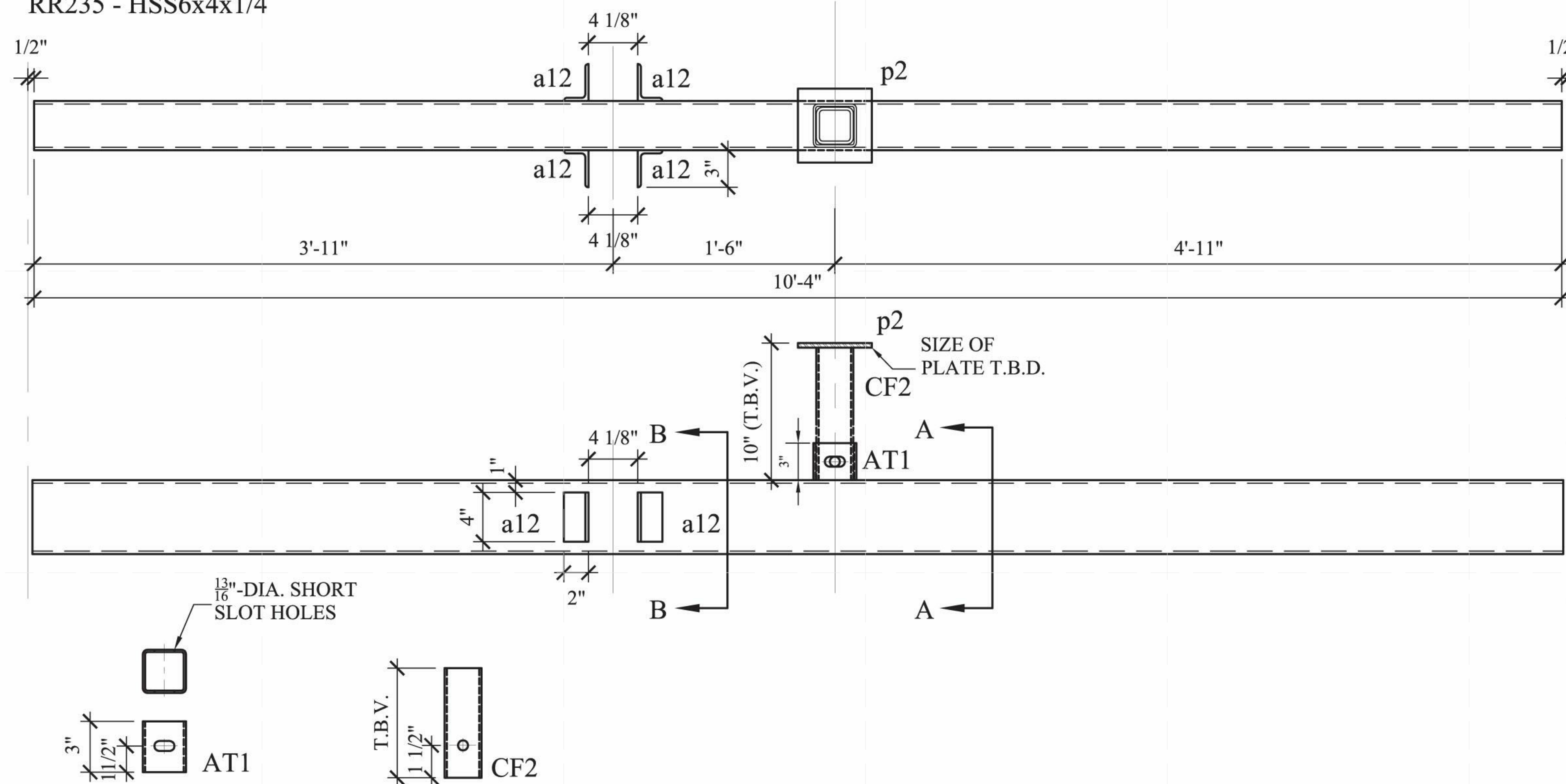
SCALE: AS INDICATED

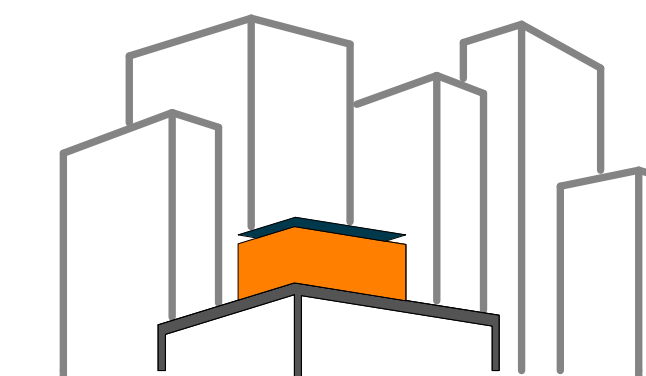
PLAN #:

Z-030.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	RR235		HSS6X4X1/4	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT, LEAVE 6" AT EACH
	4		a12	L3X2X3/8	0'-4"						END FOR FIELD PAINT AFTER WELD
	1		CF2	HSS3X3X1/4 (S.S.)	0'-10" (T.B.V.)		GRADE 304 STAINLESS STEEL				
	1		p2	T.B.D.	T.B.D.						
	1		AT1	HSS3 1/2X 3 1/2X3/16	0'-3"						
	2			3/4"-DIA. A325N BOLTS							

RR235 - HSS6x4x1/4





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:36 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE - BEAM
RR 257

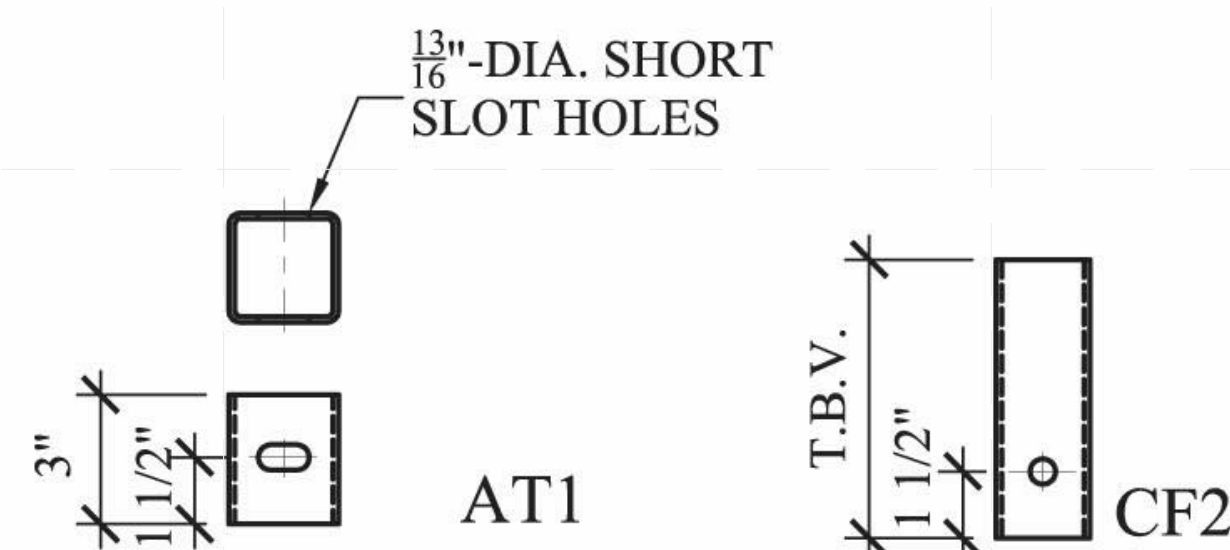
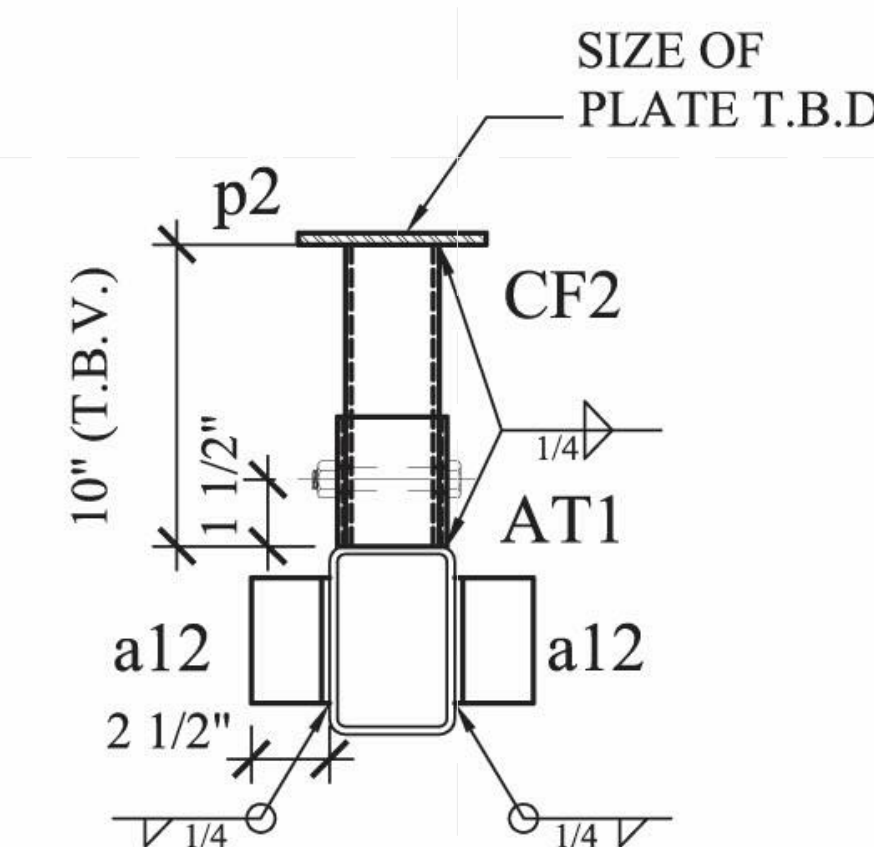
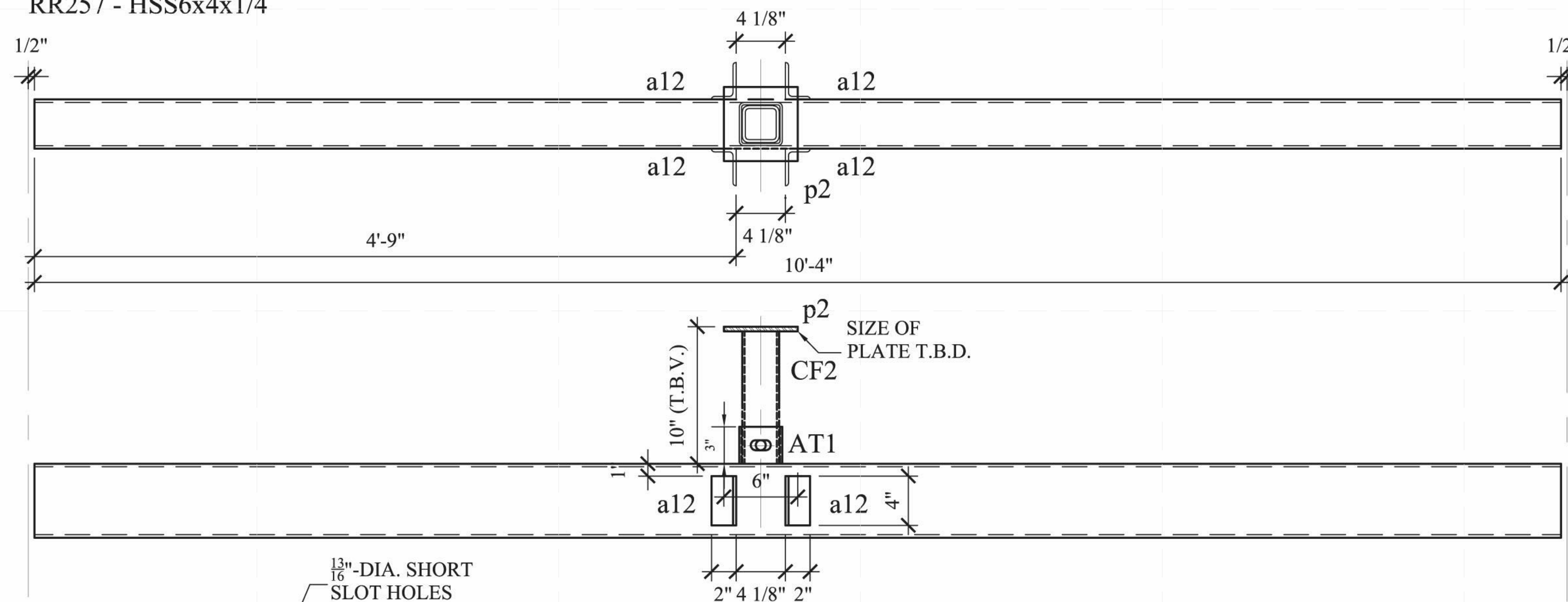
SCALE: AS INDICATED

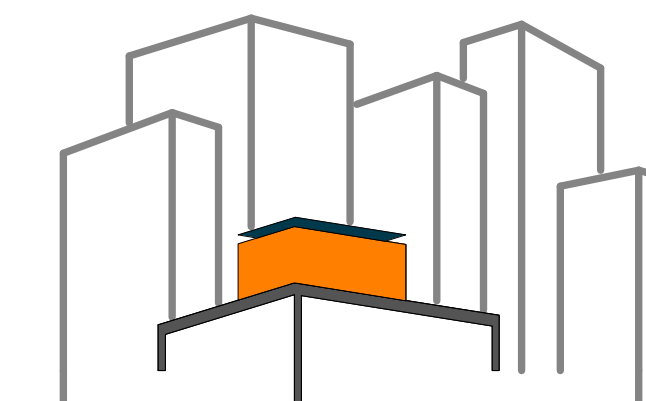
PLAN #:

Z-031.01

BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	RR257		HSS6X4X1/4	10'-4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT, LEAVE 6" AT EACH
	4		a12	L3X2X3/8	0'-4"						END FOR FIELD PAINT AFTER WELD
	1		p2	T.B.D.	T.B.D.						
	1		CF2	HSS3X3X1/4 (S.S.)	0'-10" (T.B.V.)		GRADE 304 STAINLESS STEEL				
	1		AT1	HSS3 1/2X 3 1/2X3/16	0'-3"						
	2			3/4"-DIA. A325N BOLTS							

RR257 - HSS6x4x1/4





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: XIAOLI TONG
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:38 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
STEEL CAGE -
COLUMN - T1 TO T4

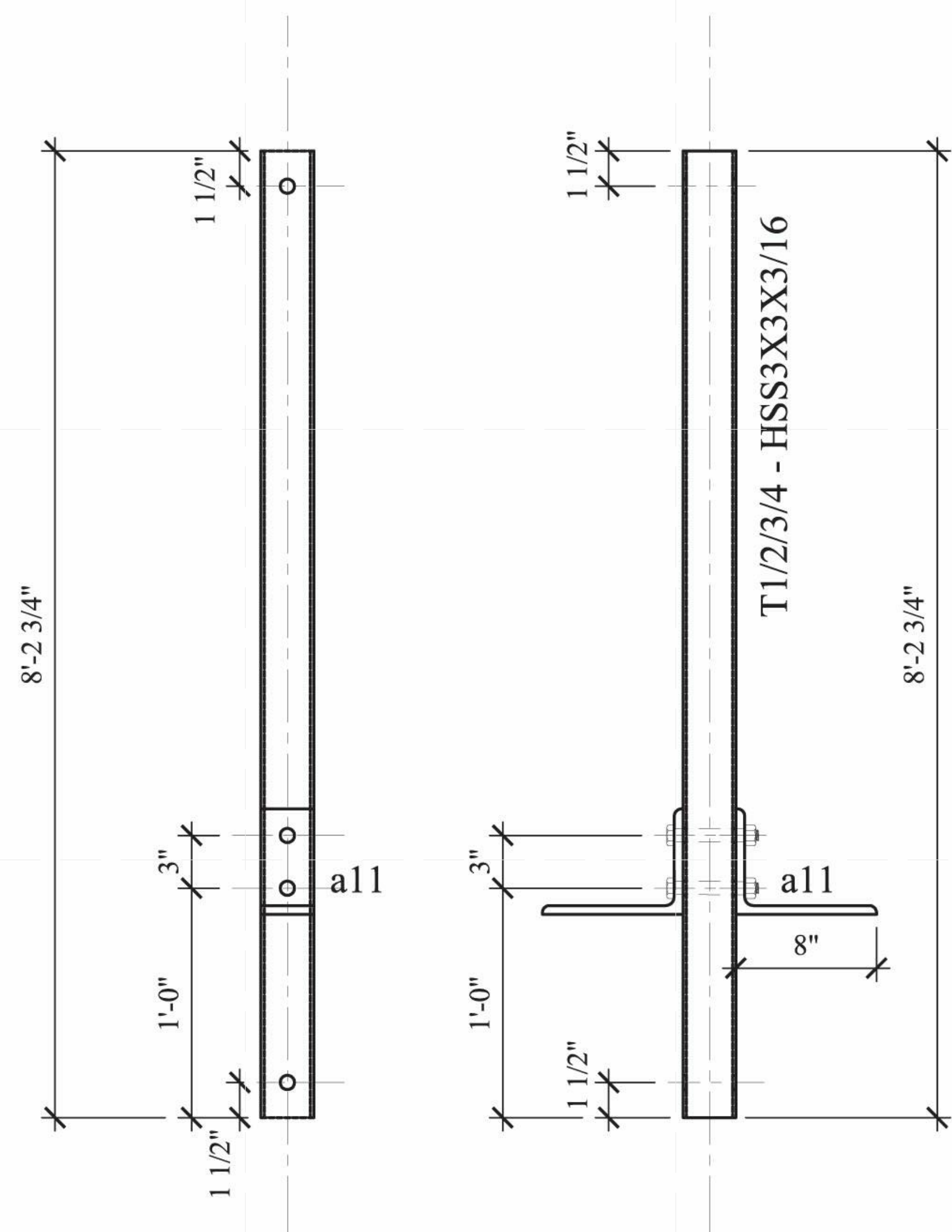
SCALE: **AS INDICATED**
PLAN #:

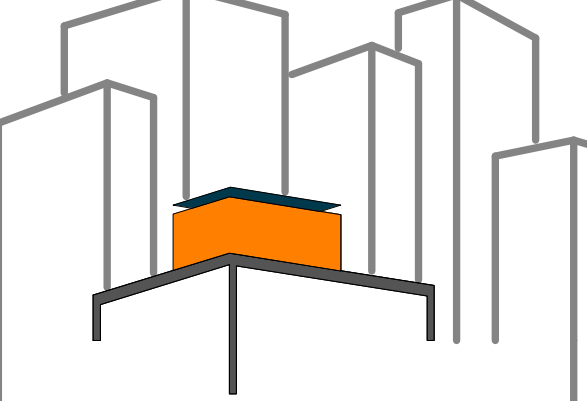
Z-032.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	MEMBER WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
COLUMN	4	T1/2/3/4		HSS3X3X3/16	8'-2 3/4"			A325N (3/4"-DIA.)	13/16"-DIA.	N/A	ONE COAT OF RUST INHIBITIVE PAINT
	2		a11	L8x6x1	0'-3"						
	2			3/4"-DIA. A325N BOLTS	0'-6 1/2"						





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:41 PM

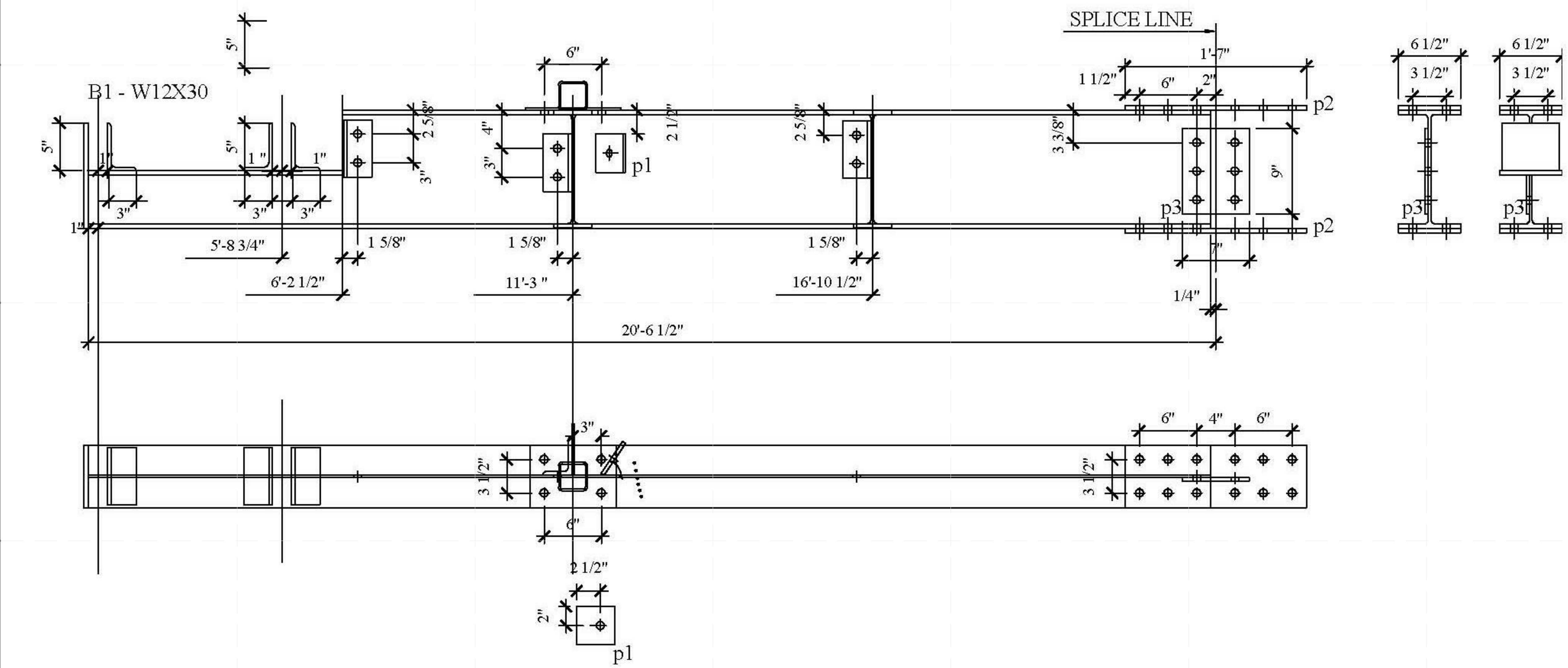
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM -
B0

SCALE: AS INDICATED
PLAN #:

Z-041.01

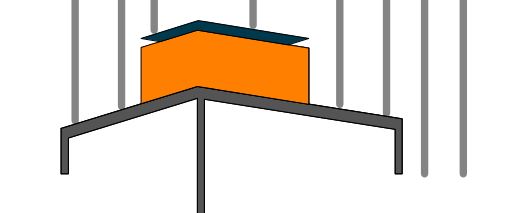
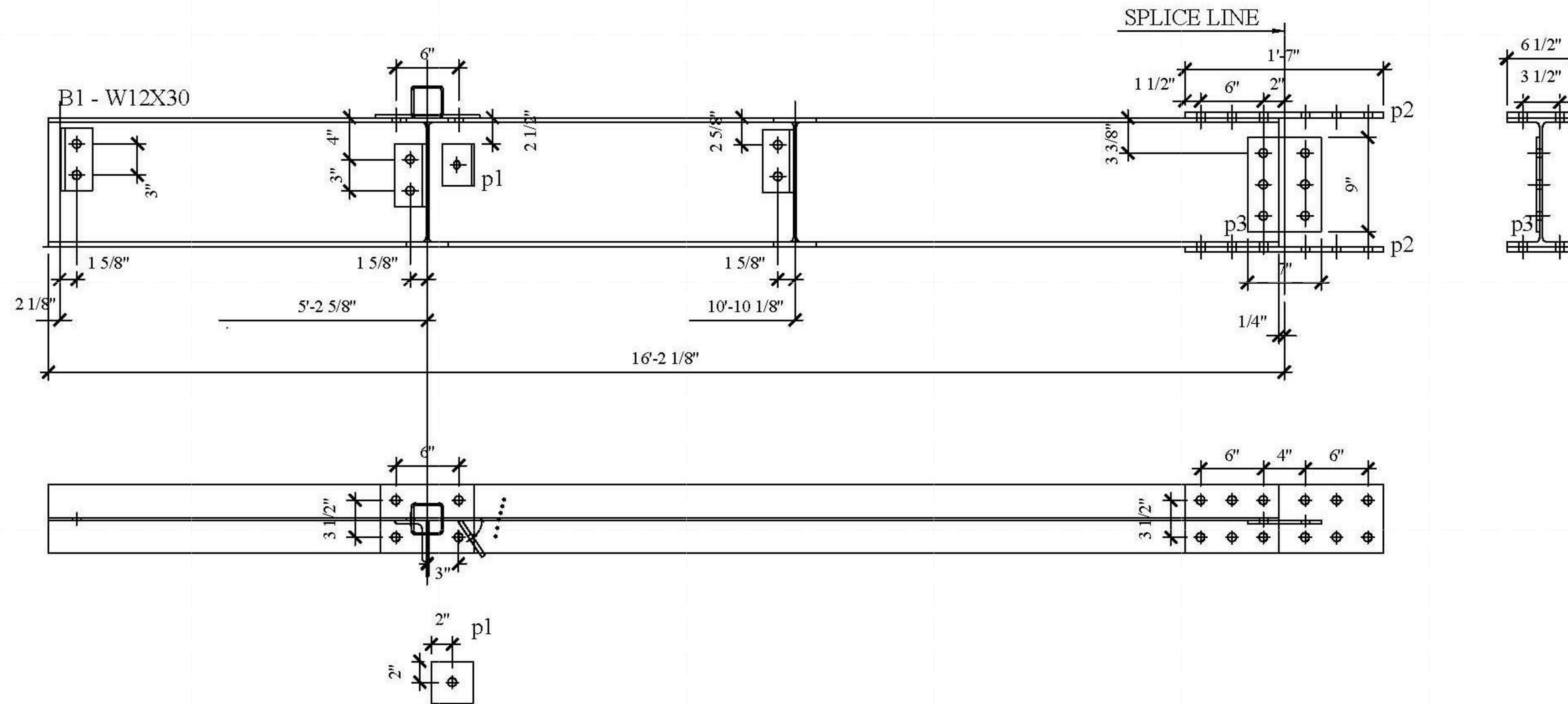
BILL OF MATERIAL								MATERIAL SPEC			
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B0		W12X30	20'-6 1/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		p1	FL3/8X4"	0'-4"						
	2		p2	FL 1/2X6 1/2"	1'-7"						
	1		p3	FL 3/8X7"	0'-9"						
	31			3/4" -DIA. A325N BOLTS							



BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B1		W12X30	16'-1 7/8"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		p1	FL3/8X4"	0'-4"						
	2		p2	FL 1/2X6 1/2"	1'-7"						
	1		p3	FL 3/8X7"	0'-9"						
	30			3/4" -DIA. A325N BOLTS							



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:42 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

DUNNAGE - BEAM -
B1

SCALE: AS INDICATED

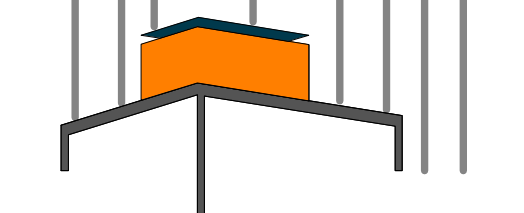
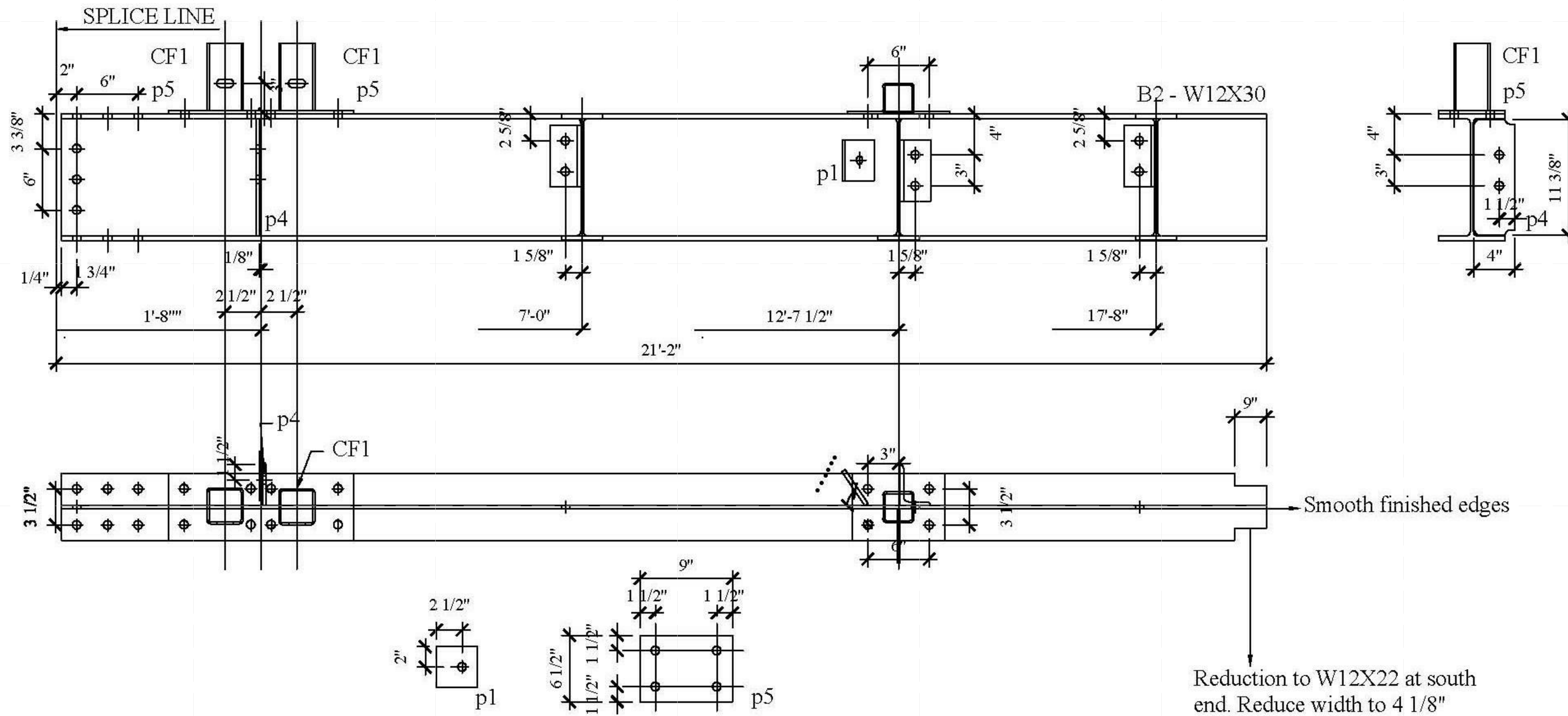
PLAN #:

Z-042.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B2		W12X30	21'-1 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		p1	FL3/8X4"	0'-4"						
	1		p4	FL 3/8X4"	0'-11 1/4"						
	2		CF1	HSS 3 1/2X3 1/2"X3/16"	0'-9"						
	2			3/4" -DIA. A325N BOLTS							



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:44 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM -
B2

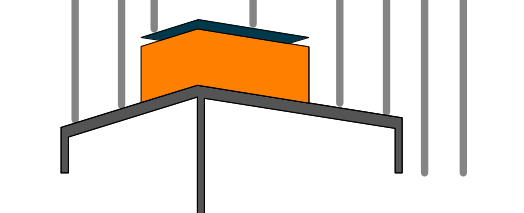
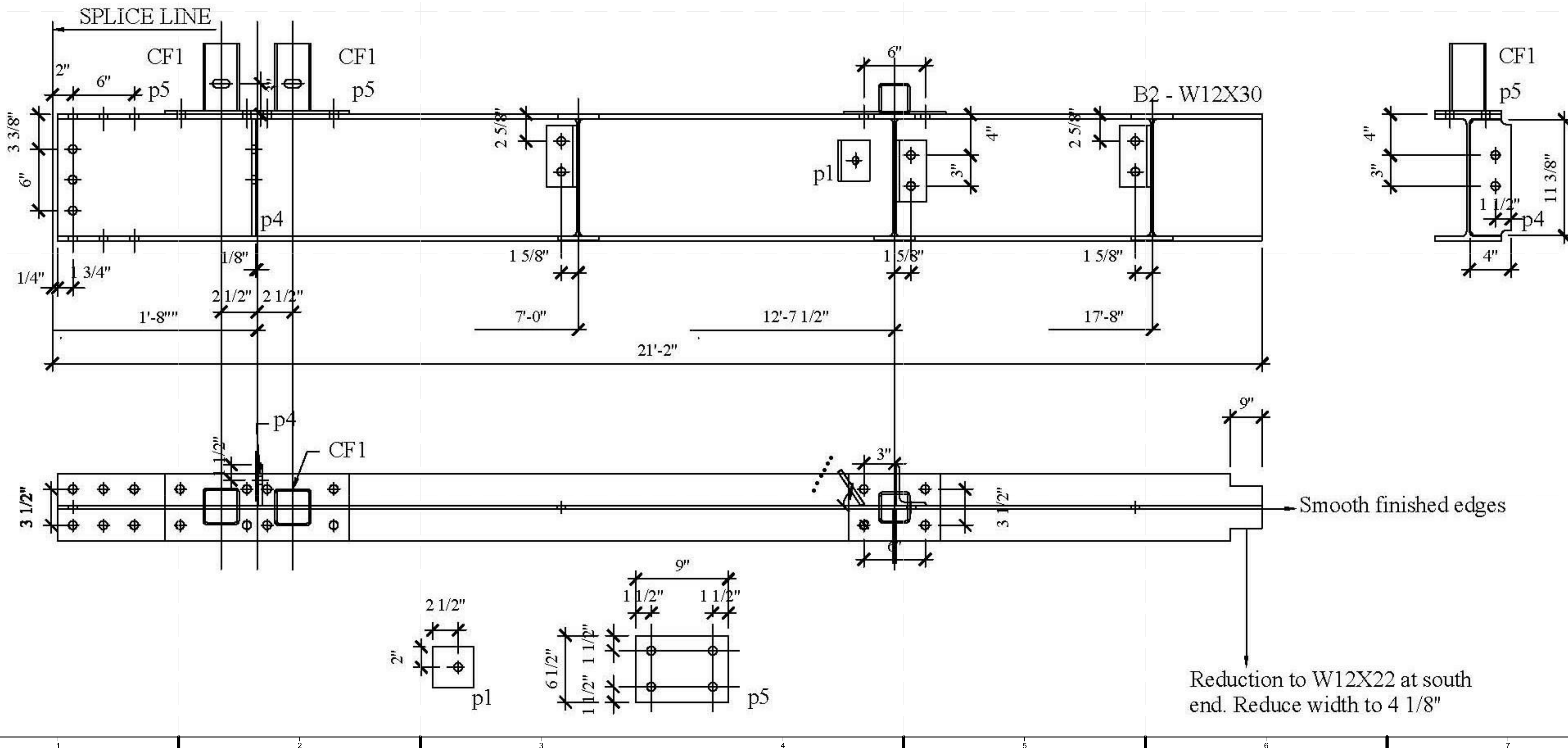
SCALE: AS INDICATED
PLAN #:

Z-043.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B2'		W12X30	21'-1 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		p1	FL3/8X4"	0'-4"						
	1		p4	FL 3/8X4"	0'-11 1/4"						
	2		CF1	HSS 3 1/2X3 1/2"X3/16"	0'-?"						
	2			3/4" -DIA. A325N BOLTS							



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:46 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM -
B2'

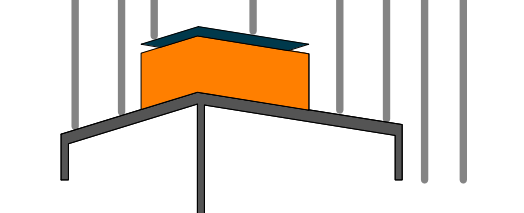
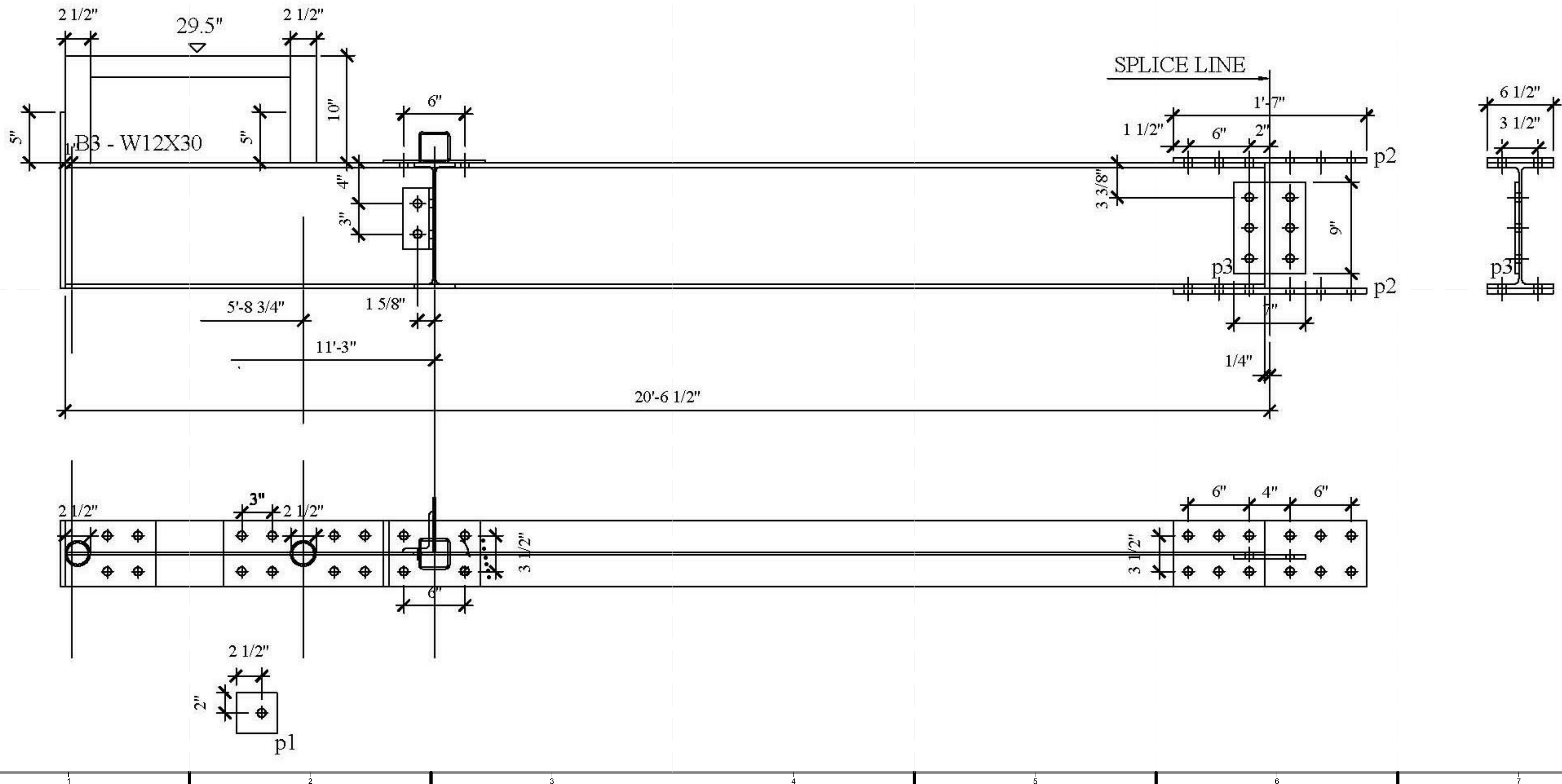
SCALE: AS INDICATED
PLAN #:

Z-044.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B3		W12X30	20'-6 1/4"			A325N (3/4"-DIA.)	13/16"-DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	2		p2	FL 1/2X6 1/2"	1'-7"						
	1		p3	FL 3/8X7"	0'-9"						
	30			3/4"-DIA. A325N BOLTS							



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:48 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM-B3

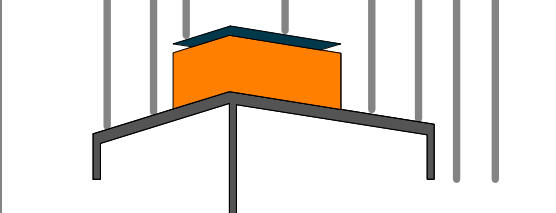
SCALE: AS INDICATED
PLAN #:

Z-045.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAIN
BEAM	1	B4		W12X30	21'-1 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	4		p1	FL3/8X4"	0'-4"						
	2		p4	FL 3/8X4"	0'-11 1/4"						
	1		CF1	HSS 3 1/2X3 1/2"X3/16"	0'-9"						
	2			3/4" -DIA. A325N BOLTS							



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

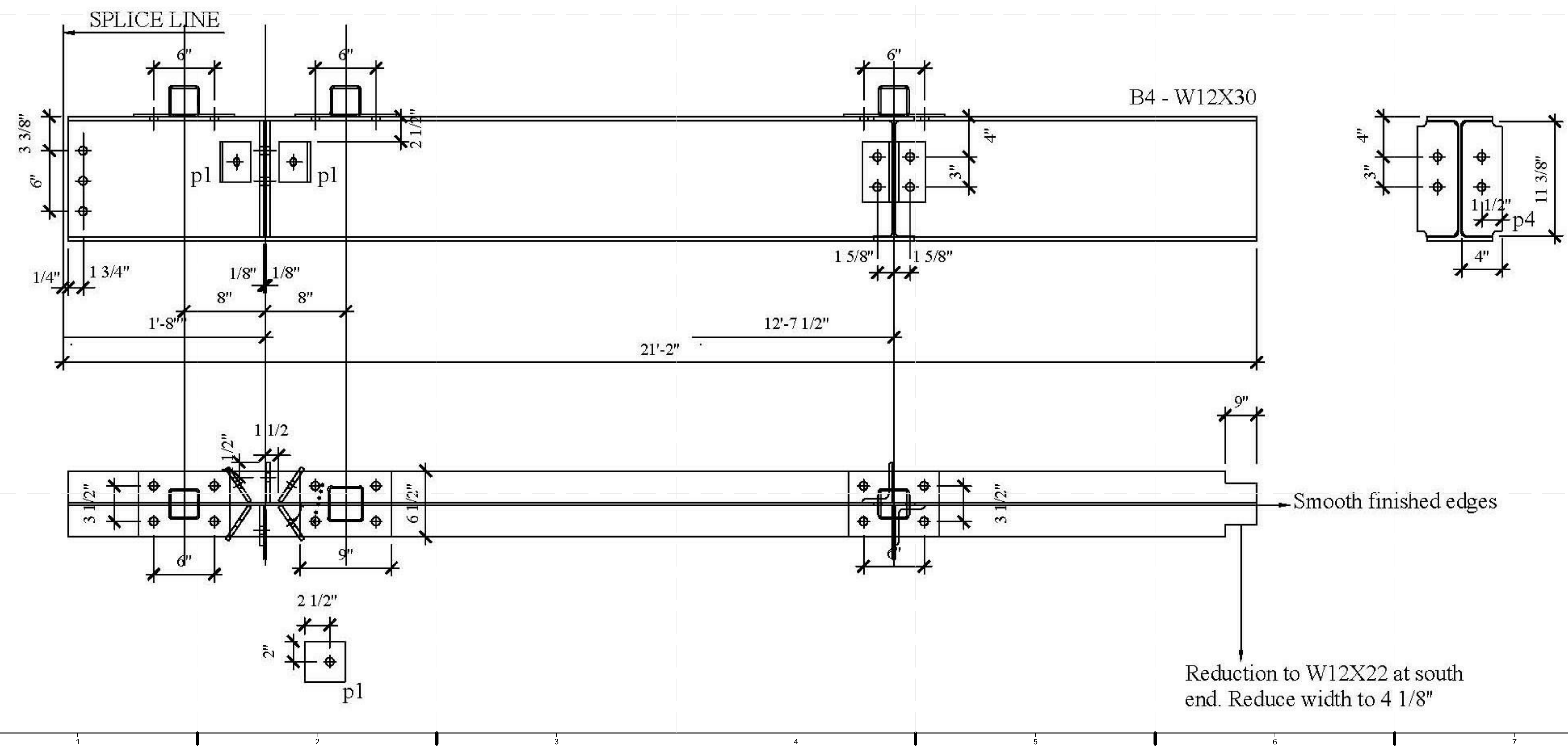
NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME



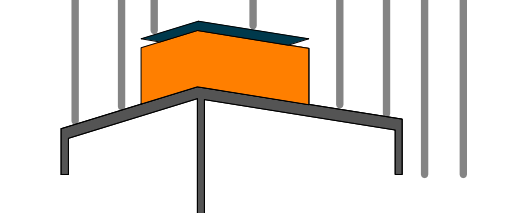
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:50 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM-
B4

SCALE: AS INDICATED
PLAN #:

Z-046.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:52 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

DUNNAGE - BEAM -
B5

SCALE: AS INDICATED

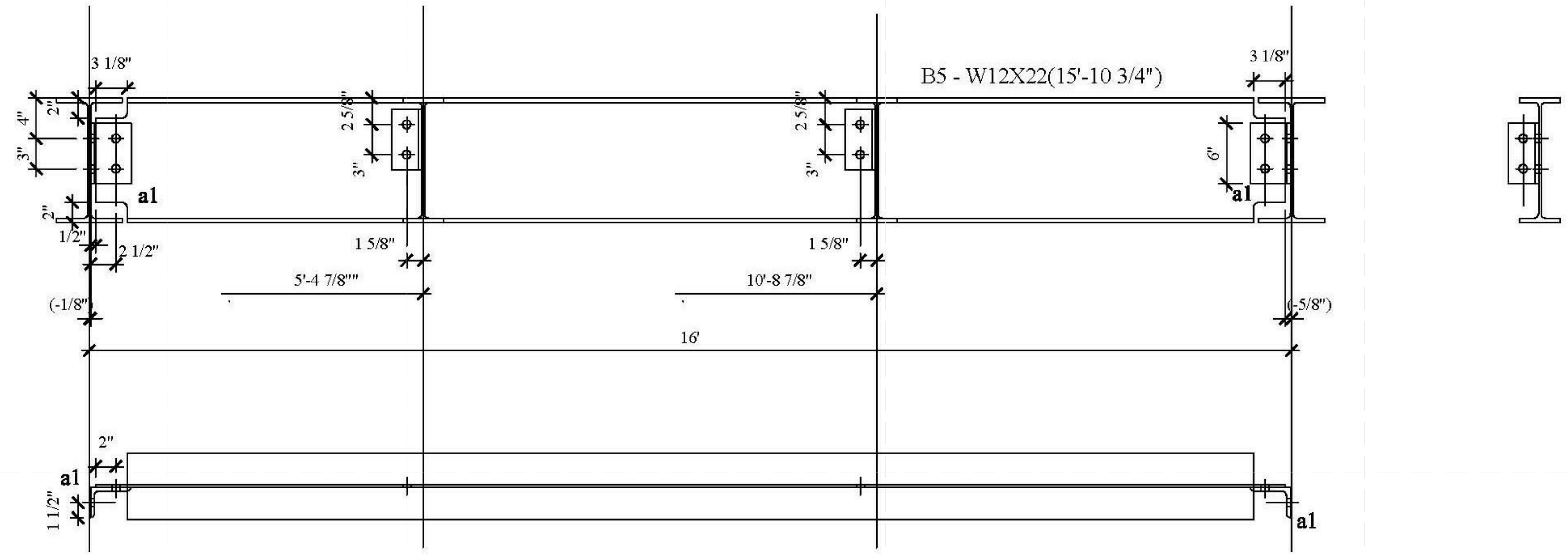
PLAN #:

Z-047.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	4	B5		W12X22	15'-10 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	8		a1	L3/8X3X4	0'-6"						
	32			3/4" -DIA. A325N BOLTS							



E
D
C
B
A

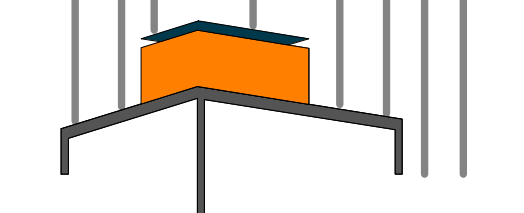
-E
-D
-C
-B
-A

1 2 3 4 5 6 7

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	2	B5M		W12X22	15'-10 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

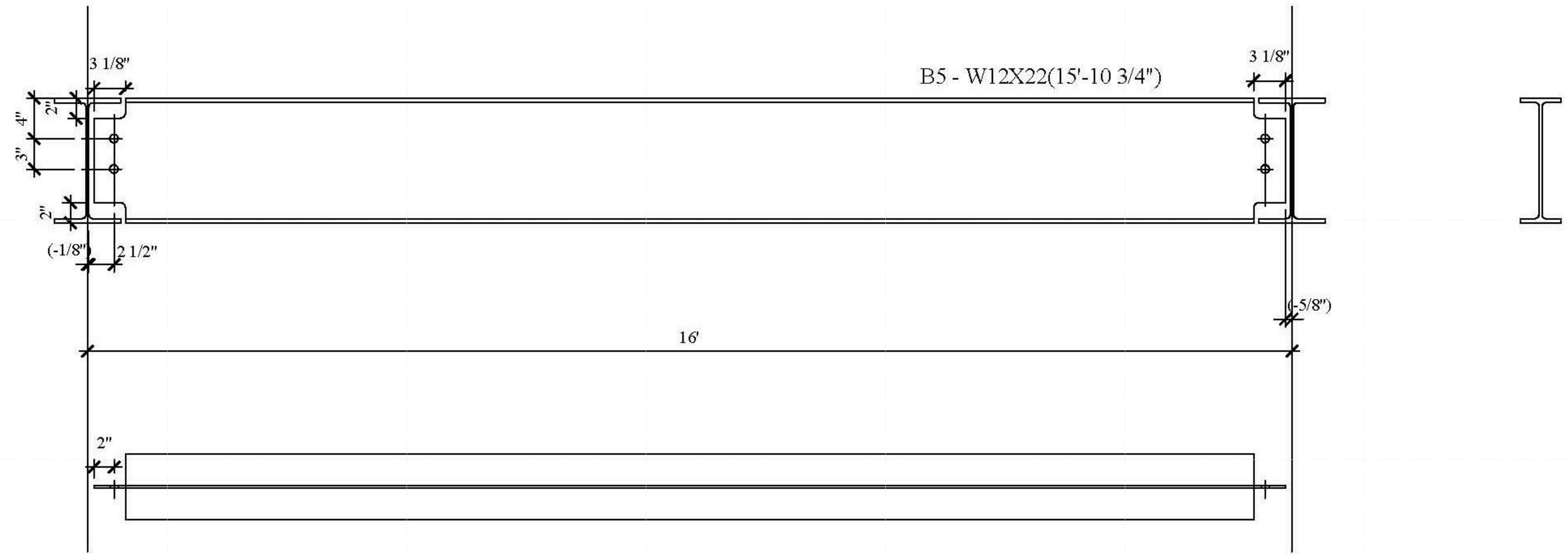
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:53 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
**DUNNAGE - BEAM-
B5M**

SCALE: **AS INDICATED**
PLAN #:

Z-048.01



E
D
C
B
A

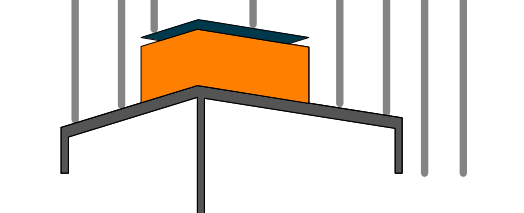
-E
-D
-C
-B
-A

1 2 3 4 5 6 7

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	2	B6		W12X22	19'-5 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:55:55 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

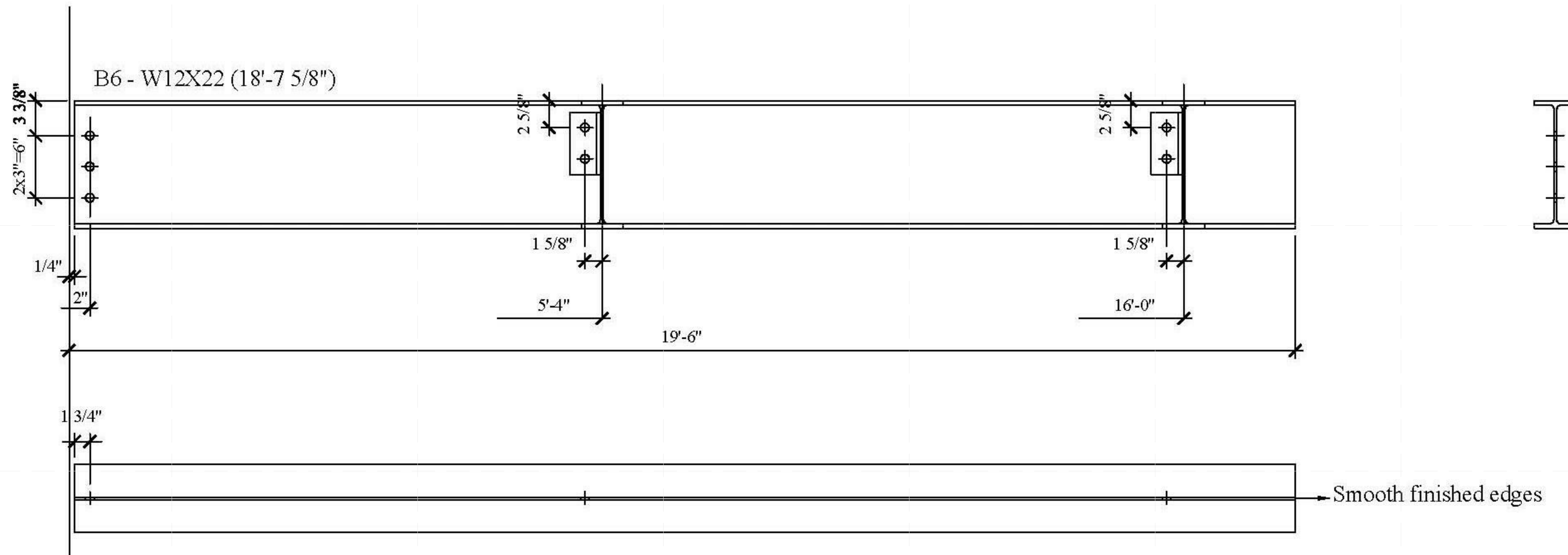
SHEET TITLE:

DUNNAGE - BEAM -
B6

SCALE: AS INDICATED

PLAN #:

Z-049.01



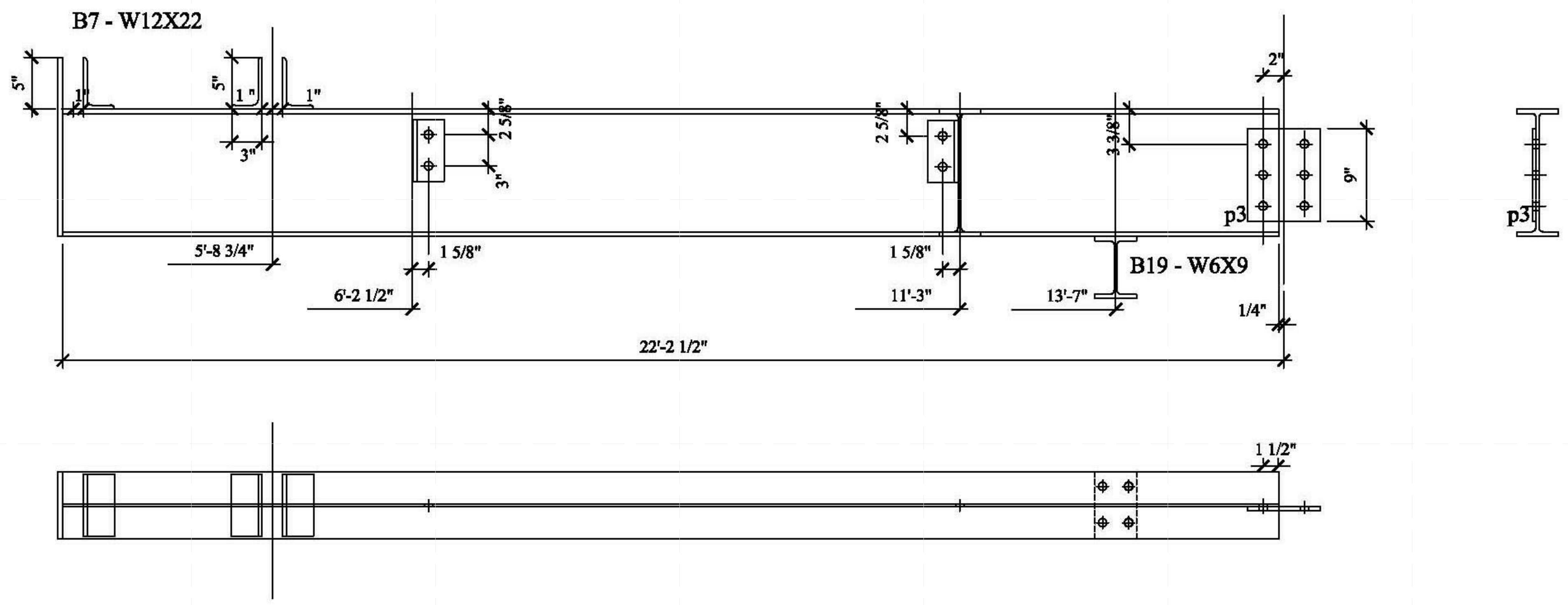
B6 - W12X22 (18'-7 5/8")

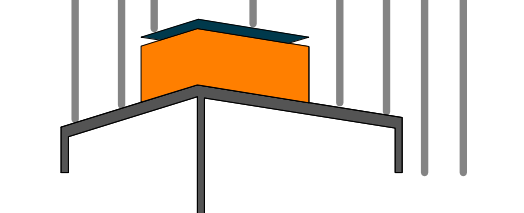
Smooth finished edges

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B7		W12X22	22'-2 1/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	2		p3	FL3/8X7"	0'-9"						
	12			3/4" -DIA. A325N BOLTS							





SOLAR ROOF POD

www.ccnyssolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnyssd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:55:59 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM-
B8

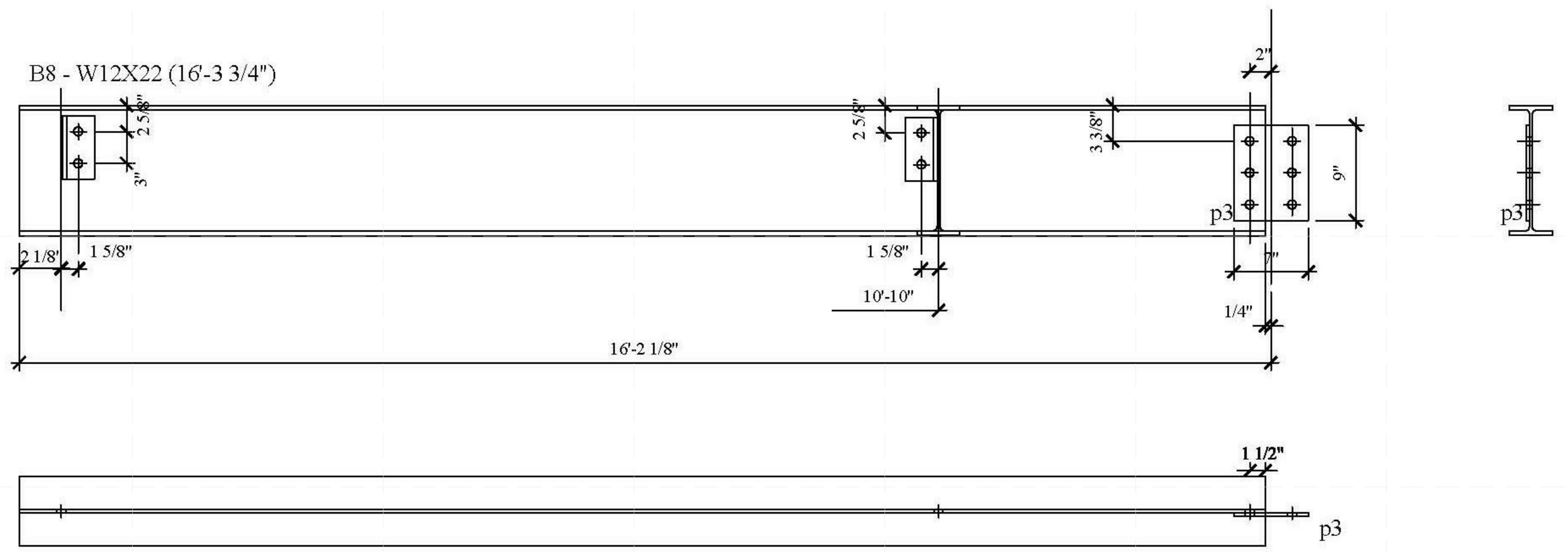
SCALE: AS INDICATED
PLAN #:

Z-051.01

BILL OF MATERIAL

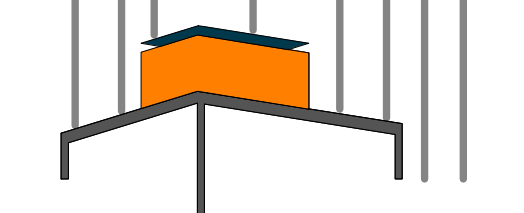
MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B8		W12X22	16'-1 7/8"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		p3	FL3/8X7"	0'-9"						
	6			3/4" -DIA. A325N BOLTS							



E
-E
-
D
-D
-
C
-C
-
B
-B
-
A
-A

1 2 3 4 5 6 7



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:00 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
**DUNNAGE - BEAM-
B9**

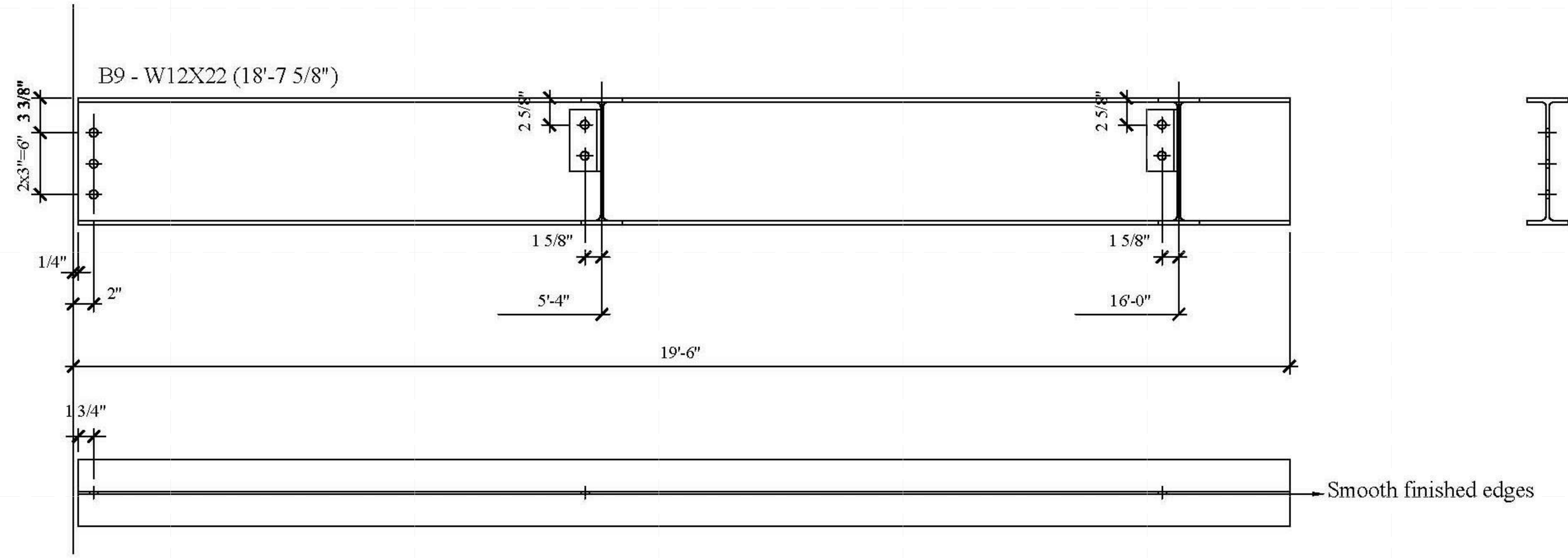
SCALE: **AS INDICATED**
PLAN #:

Z-052.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B9		W12X22	19'-5 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT



B9 - W12X22 (18'-7 5/8")

Smooth finished edges

E
D
C
B
A

-E
-D
-C
-B
-A

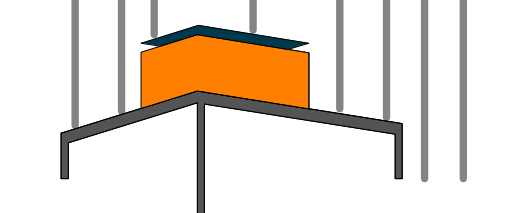
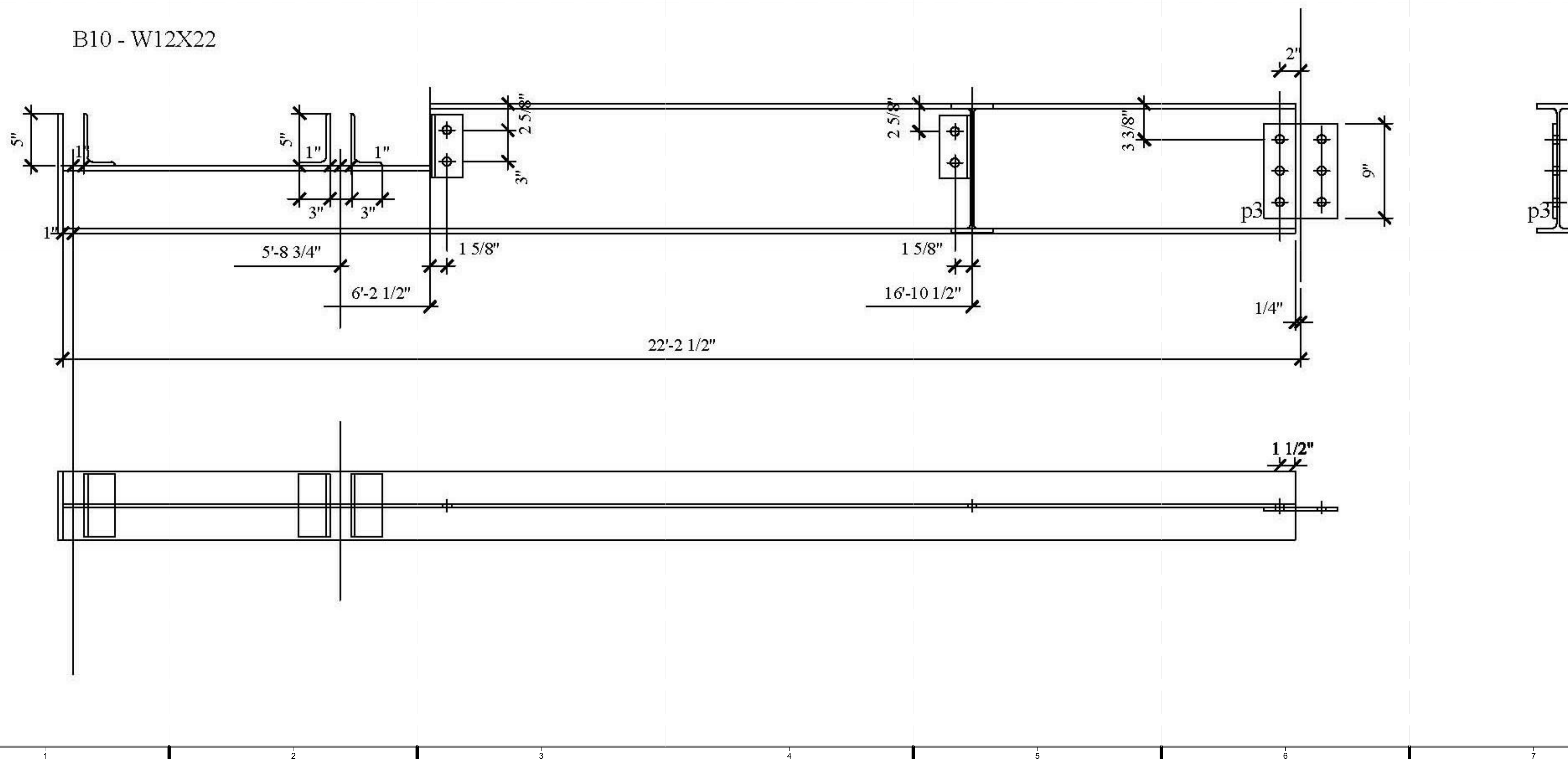
1 2 3 4 5 6 7

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B10		W12X22	22'-2 1/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	2		p3	FL3/8X7"	0'-9"						
	12			3/4" -DIA. A325N BOLTS							

B10 - W12X22



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

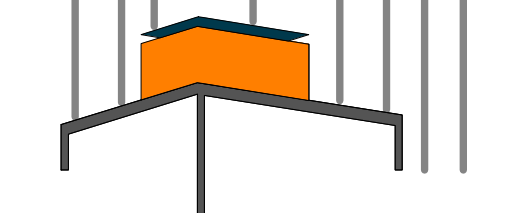
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:02 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM -
B10

SCALE: AS INDICATED
PLAN #:

Z-053.01



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:56:03 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

DUNNAGE - BEAM -
B11

SCALE: AS INDICATED

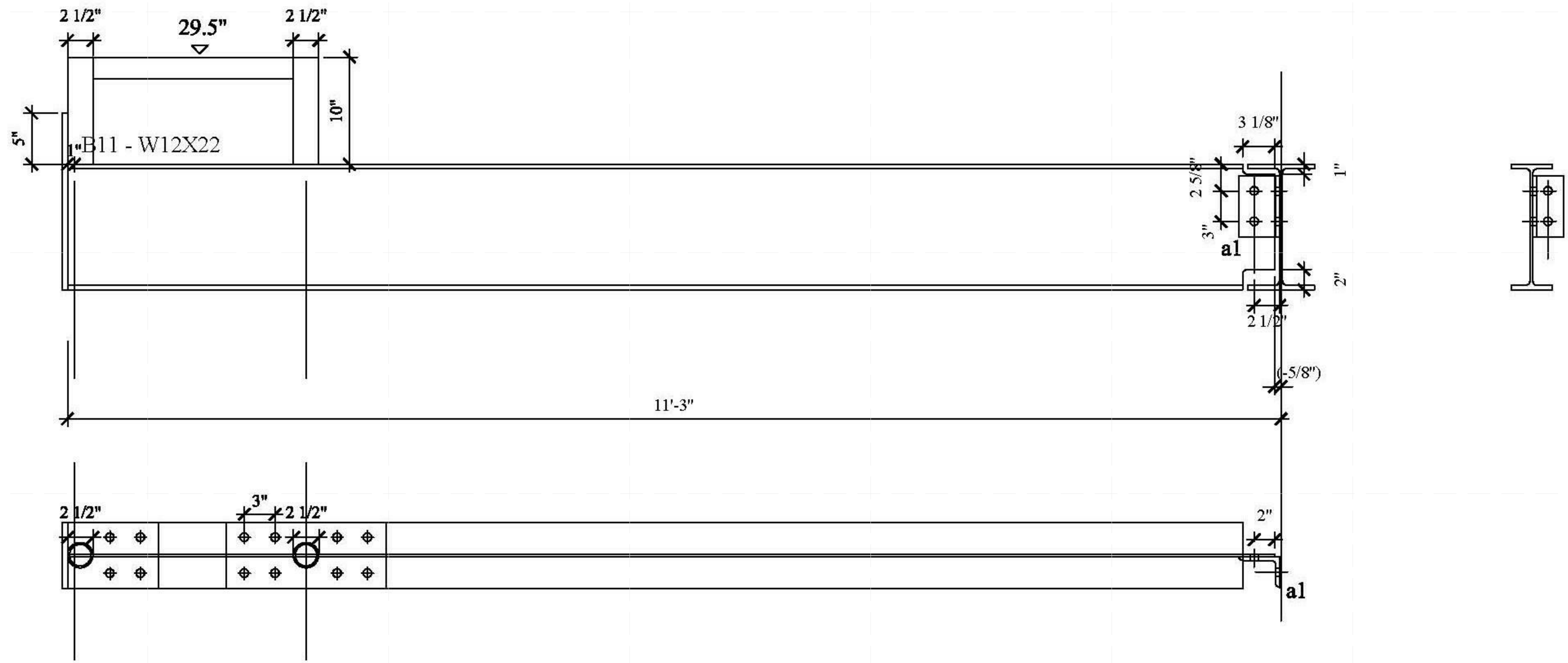
PLAN #:

Z-054.01

BILL OF MATERIAL

MATERIAL SPEC

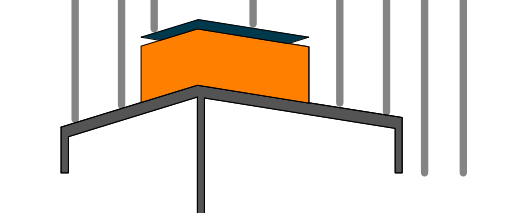
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B11		W12X22	11'-2 3/8"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		a1	L4X3X3/8	0'-6"						
	4			3/4" -DIA. A325N BOLTS							



E
D
C
B
A

-E
-D
-C
-B
-A

1 2 3 4 5 6 7



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:05 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM -
B12

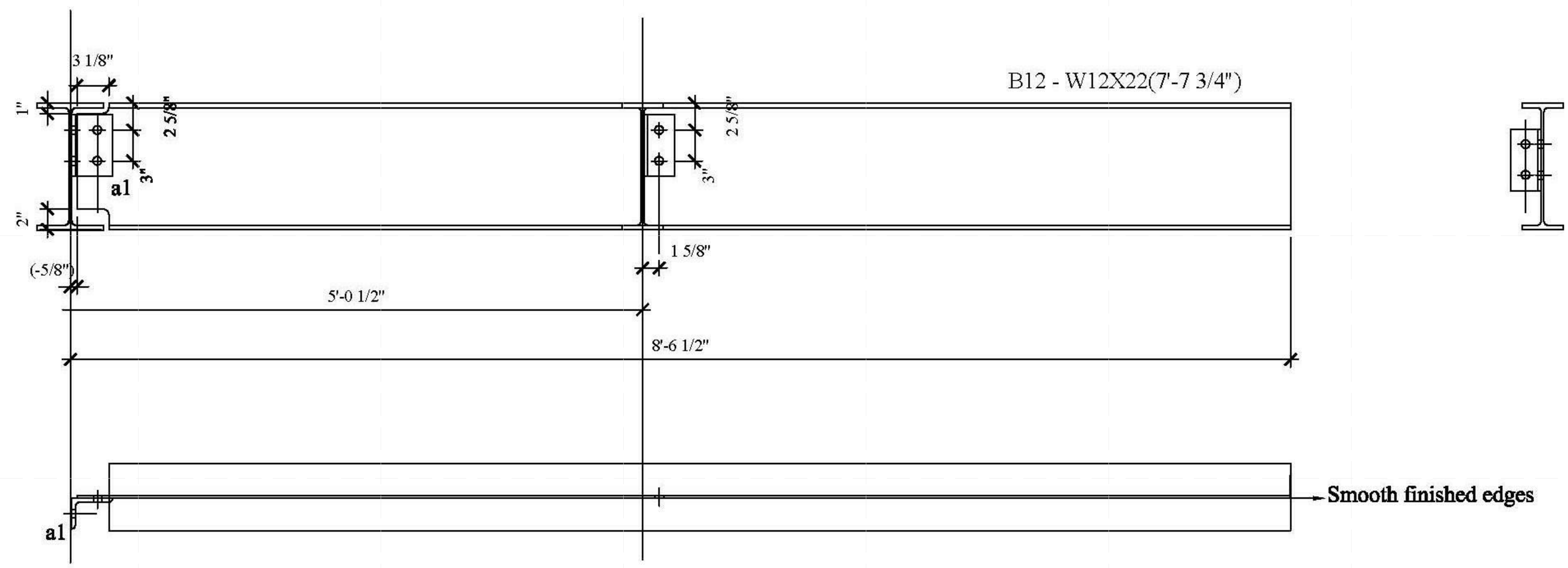
SCALE: AS INDICATED
PLAN #:

Z-055.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	1	B12		W12X22	8'-5 7/8"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	1		a1	L4X3X3/8	0'-6"						
	4			3/4" -DIA. A325N BOLTS							



E
D
C
B
A

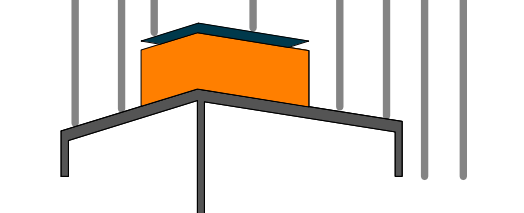
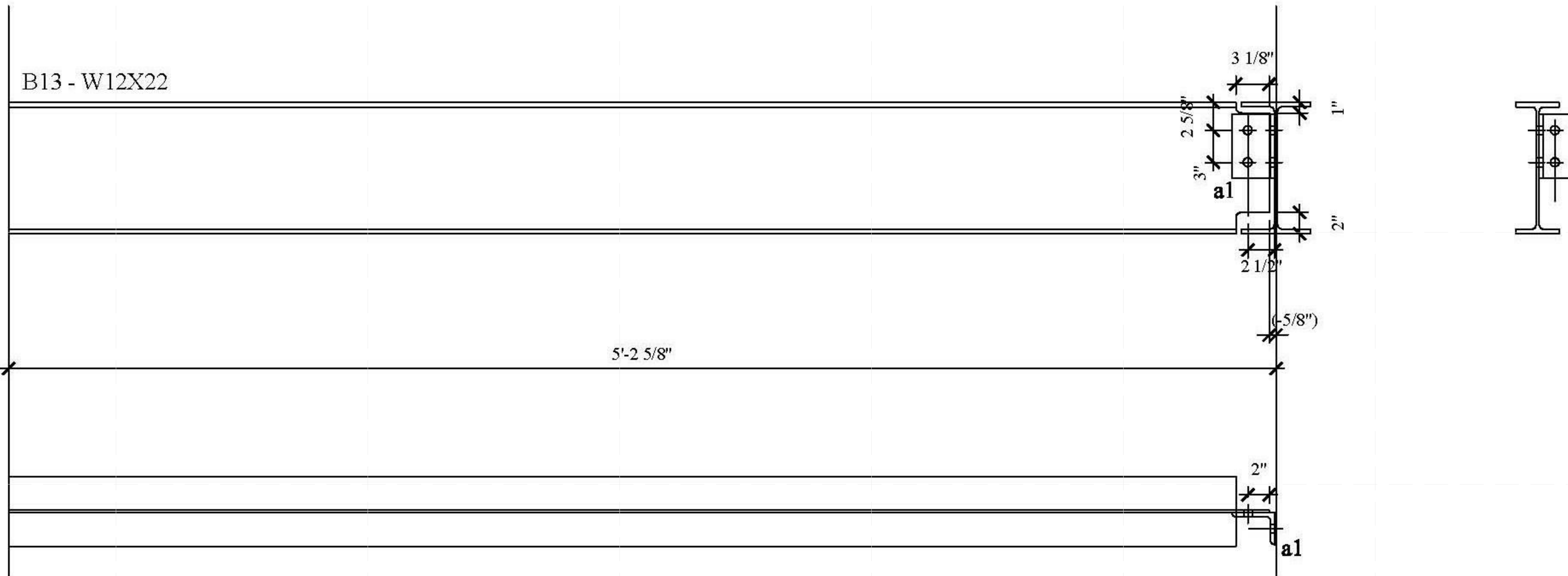
-E
-D
-C
-B
-A

1 2 3 4 5 6 7

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	3	B13		W12X22	5'-2"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XXX	ONE COAT OF RUST INHIBITIVE PAINT
	3		a1	L4X3X3/8	0'-6"						
	12			3/4" -DIA. A325N BOLTS							



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

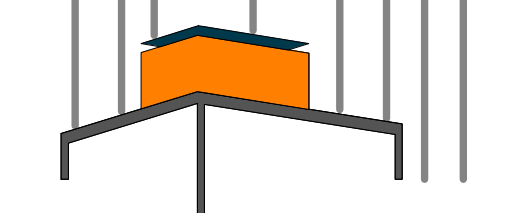
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:07 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM -
B13

SCALE: **AS INDICATED**
PLAN #:

Z-056.01



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:08 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM - B14

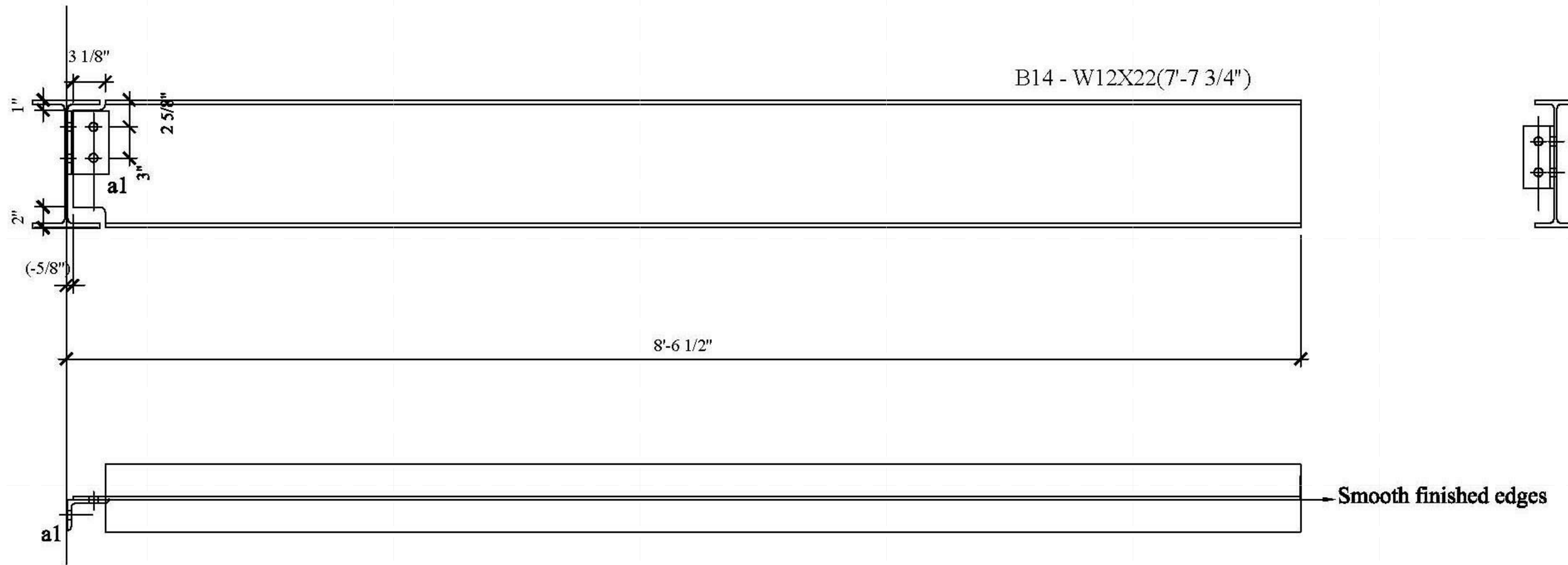
SCALE: **AS INDICATED**
PLAN #:

Z-057.01

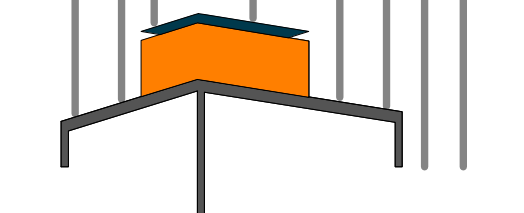
BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	3	B14		W12X22	8'-5 7/8"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	3		a1	L4X3X3/8	0'-6"						
	12			3/4" -DIA. A325N BOLTS							



1 2 3 4 5 6 7



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:10 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM - B15

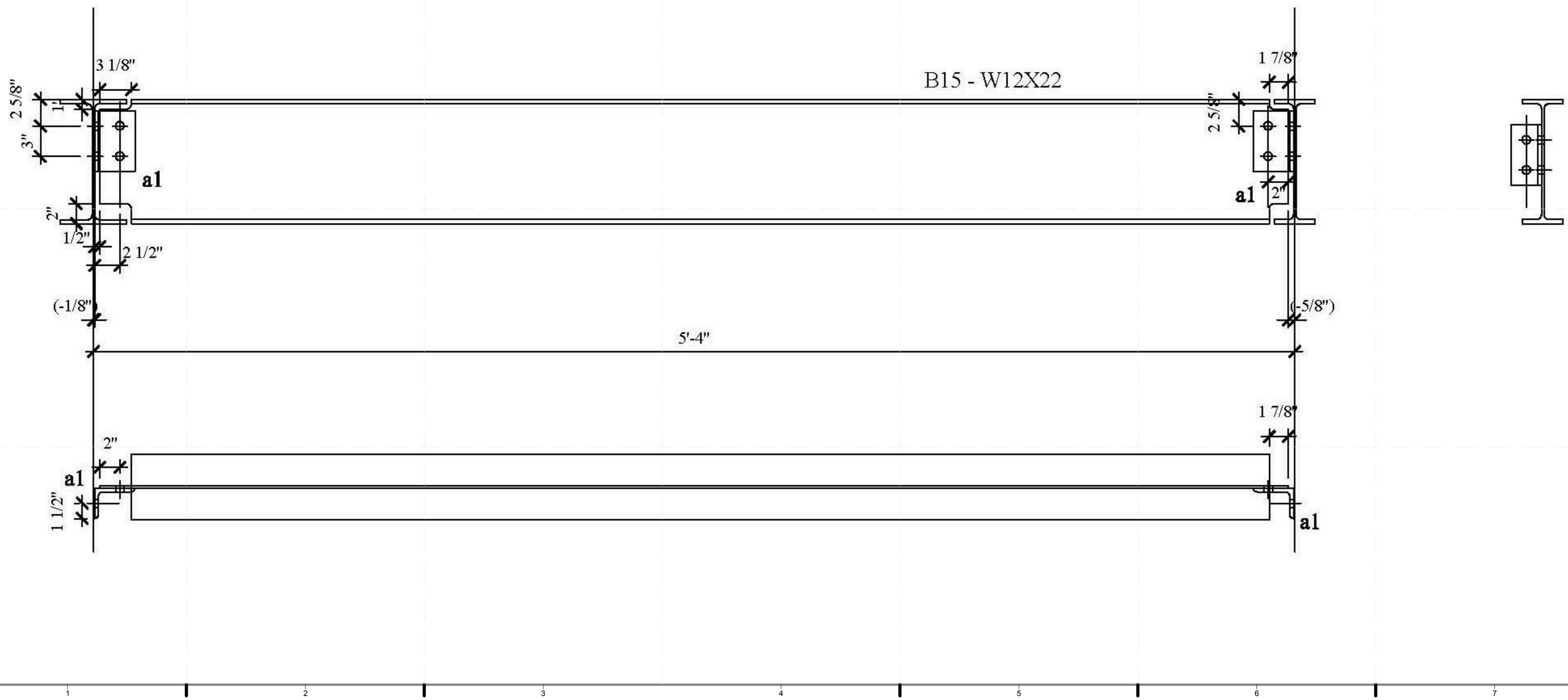
SCALE: **AS INDICATED**
PLAN #:

Z-058.01

BILL OF MATERIAL

MATERIAL SPEC

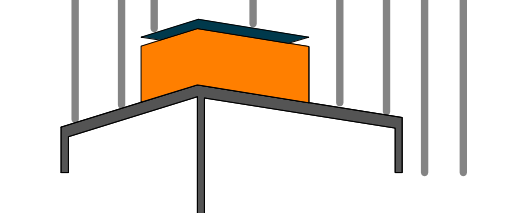
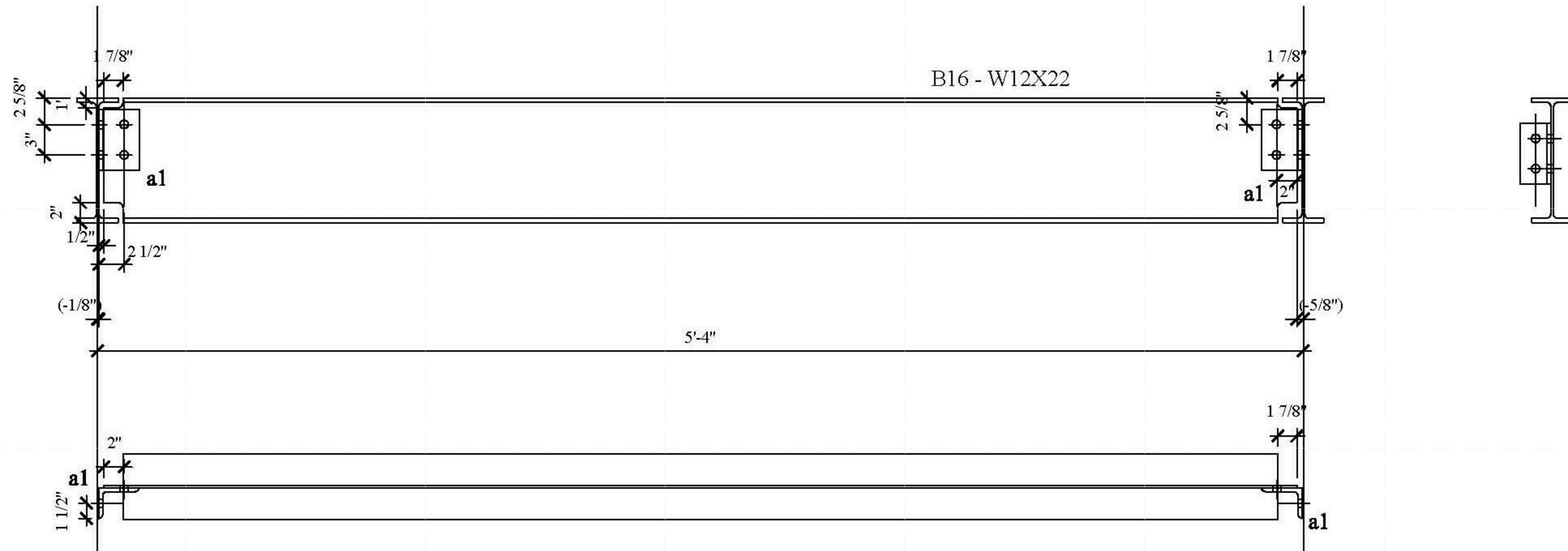
DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	9	B15		W12X22	5'-2 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	8		a1	L4X3X3/8	0'-6"						
	32			3/4" -DIA. A325N BOLTS							



BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM	4	B16		W12X22	5'-2 3/4"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT
	8		a1	L4X3X3/8	0'-6"						
	32			3/4" -DIA. A325N BOLTS							



SOLAR ROOF POD
www.ccnyssolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnystd11@gmail.com



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

REVISIONS: DATE / NAME

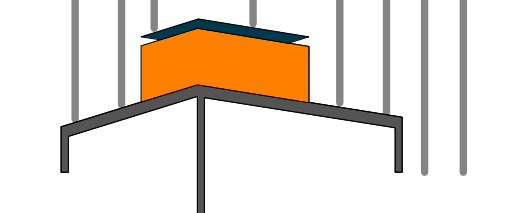
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:11 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM - B16

SCALE: **AS INDICATED**
PLAN #:

Z-059.01



SOLAR ROOF POD

www.ccnyssolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnyssd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: WY/XT

CHECKED BY: DOMINICK PILLA

DATE: 8/12/2011 10:56:13 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:

DUNNAGE - BEAM -
B17

SCALE: AS INDICATED

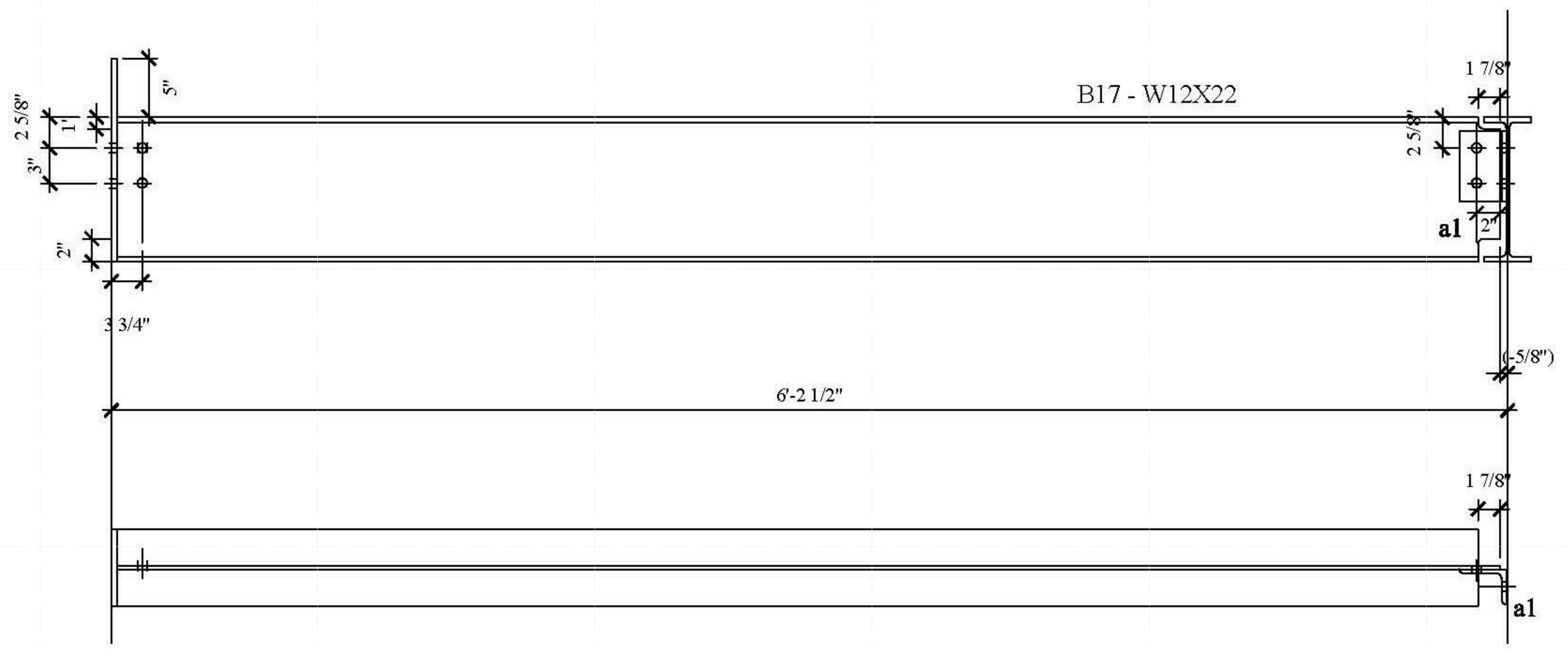
PLAN #:

Z-060.01

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM		B17		W12X22	6'-1 7/8"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT



E
D
C
B
A

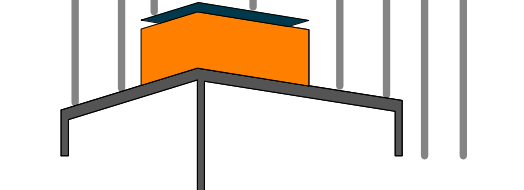
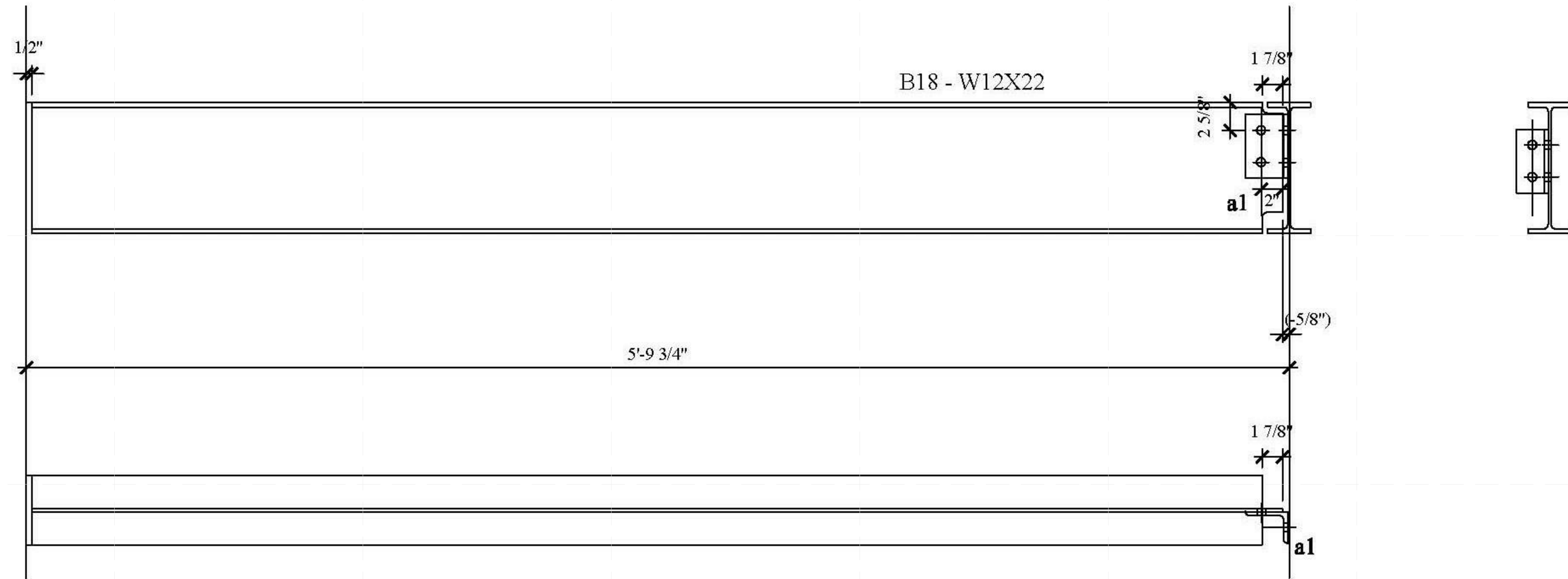
-E
-D
-C
-B
-A

1 2 3 4 5 6 7

BILL OF MATERIAL

MATERIAL SPEC

DWG NO.	QTY.	SHIP MARK	PIECE MARK	DESCRIPTION	LENGTH	BEAM WEIGHT	COMMENT	BOLT(UNO)	HOLES(UNO)	WELD	PAINT
BEAM		B18		W12X22	5'-9 1/8"			A325N (3/4" -DIA.)	13/16" -DIA.	E70XX	ONE COAT OF RUST INHIBITIVE PAINT



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

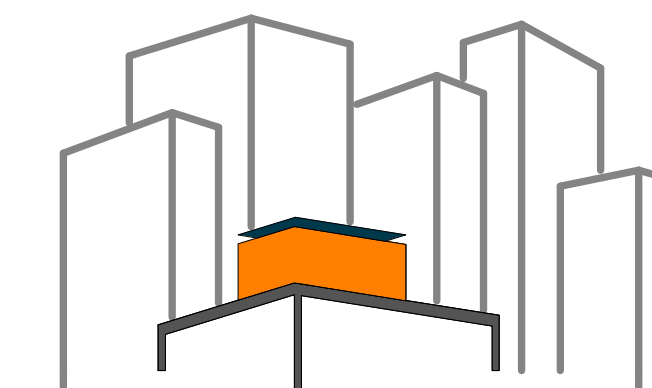
LOT NUMBER: 403
DRAWN BY: WY/XT
CHECKED BY: DOMINICK PILLA
DATE: 8/12/2011 10:56:15 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DUNNAGE - BEAM -
B18

SCALE: AS INDICATED
PLAN #:

Z-061.01



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

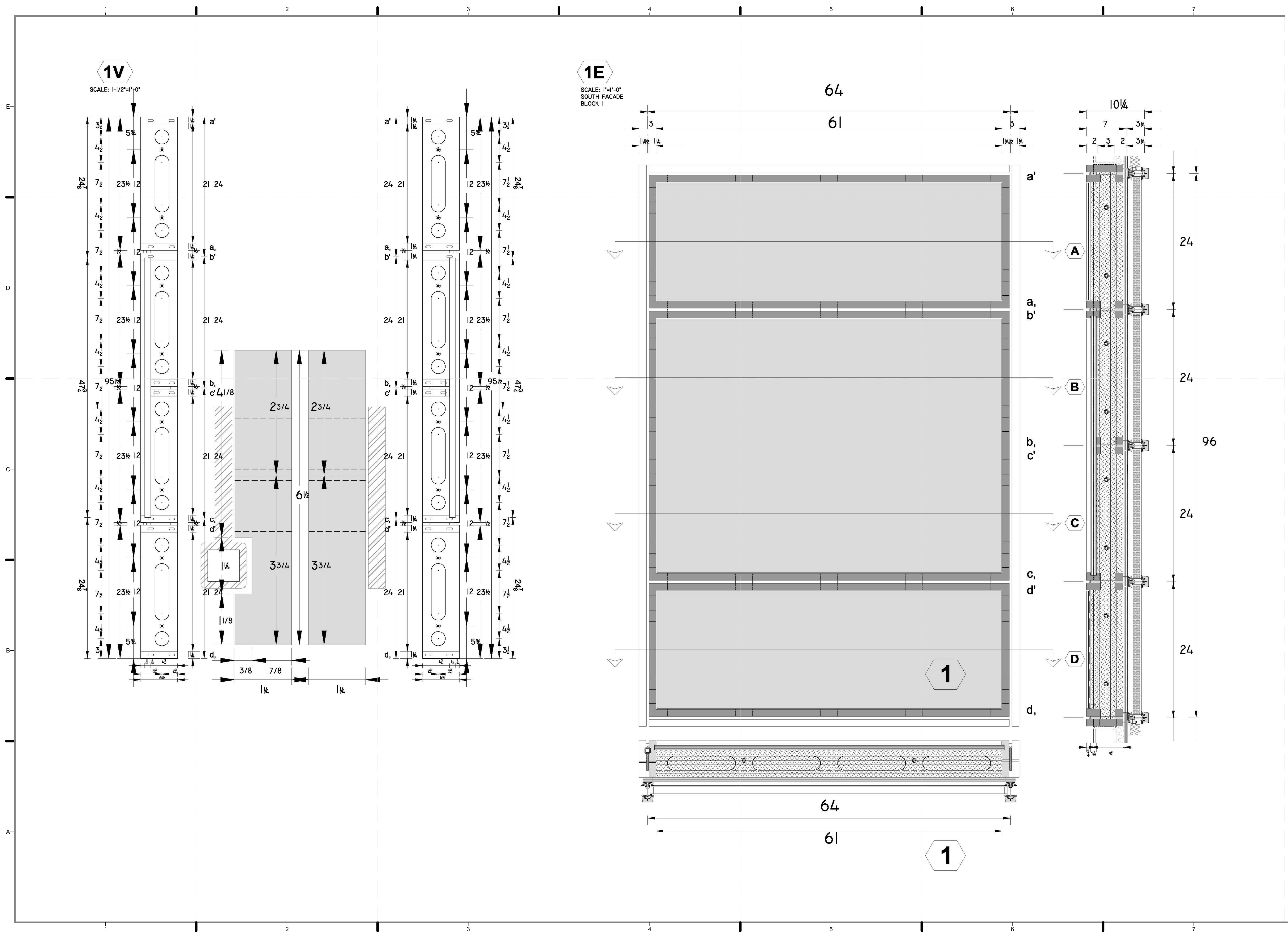
LOT NUMBER: 403
DRAWN BY: **JOHN VLAHAKIS**
CHECKED BY: **CHRISTIAN VOLKMANN**
DATE: **8/12/2011 10:56:24 PM**

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MODULE 1 - VERTICAL MEMBERS & ELEVATION

SCALE: **AS INDICATED**
PLAN #:

Z-071.01

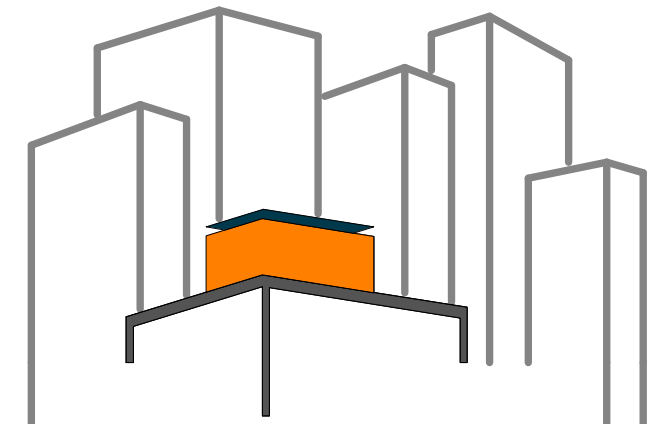
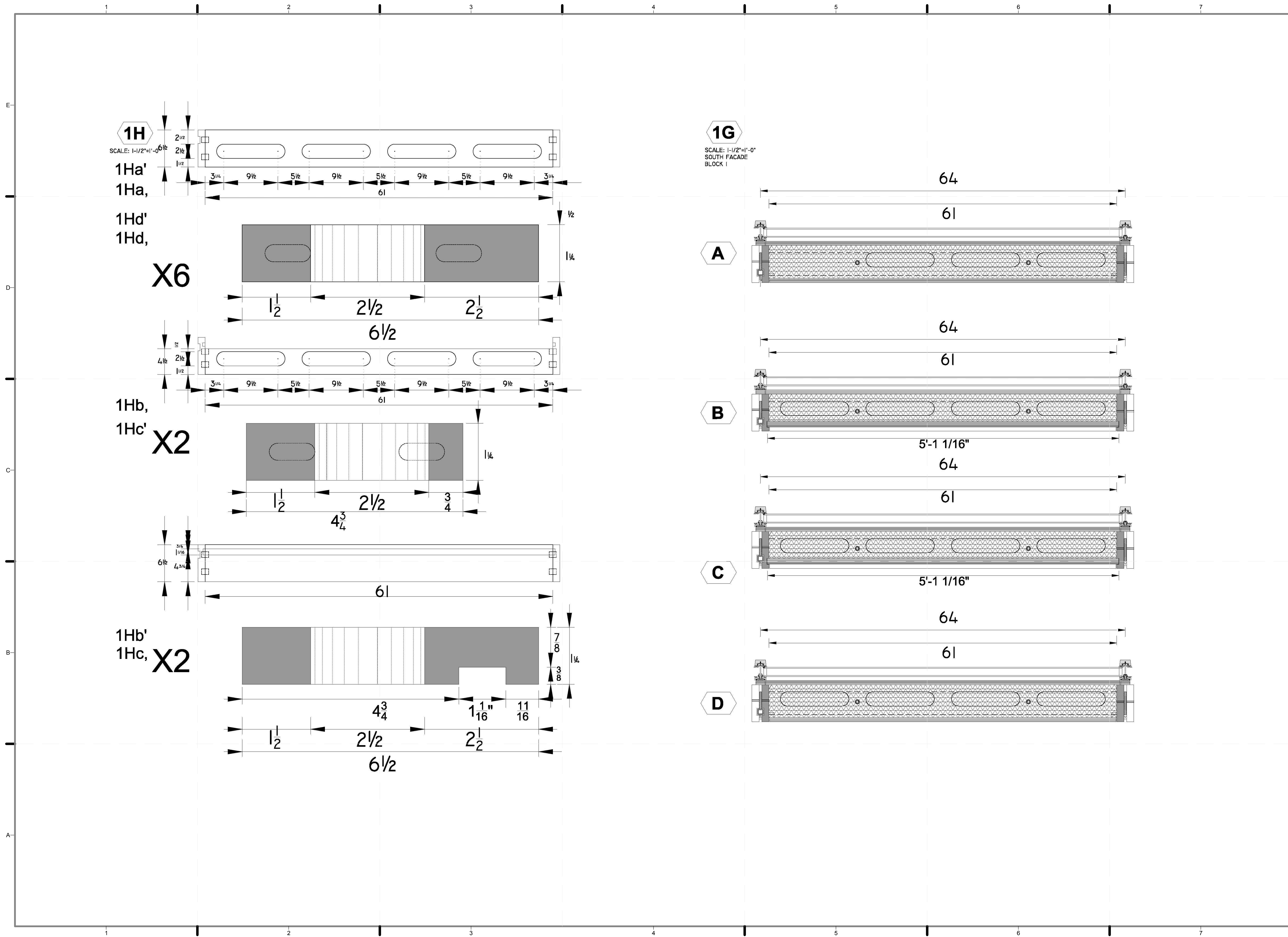


1V
SCALE: 1/2"=1'-0"

1E
SCALE: 1"=1'-0"
SOUTH FACADE
BLOCK 1

1

1



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd11@gmail.com



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

REVISIONS: DATE / NAME

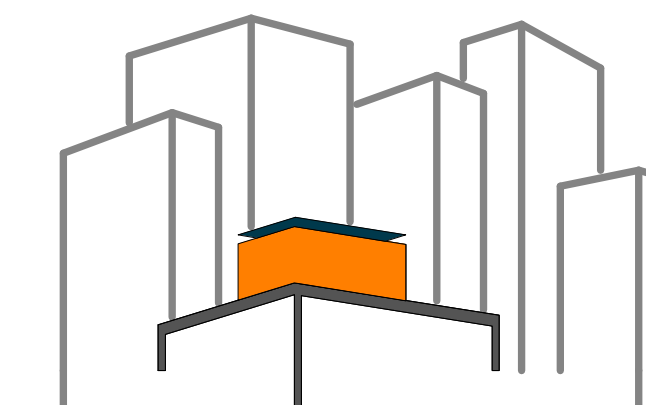
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:56:30 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
MODULE 1 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: **AS INDICATED**
PLAN #:

Z-072.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:56:51 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

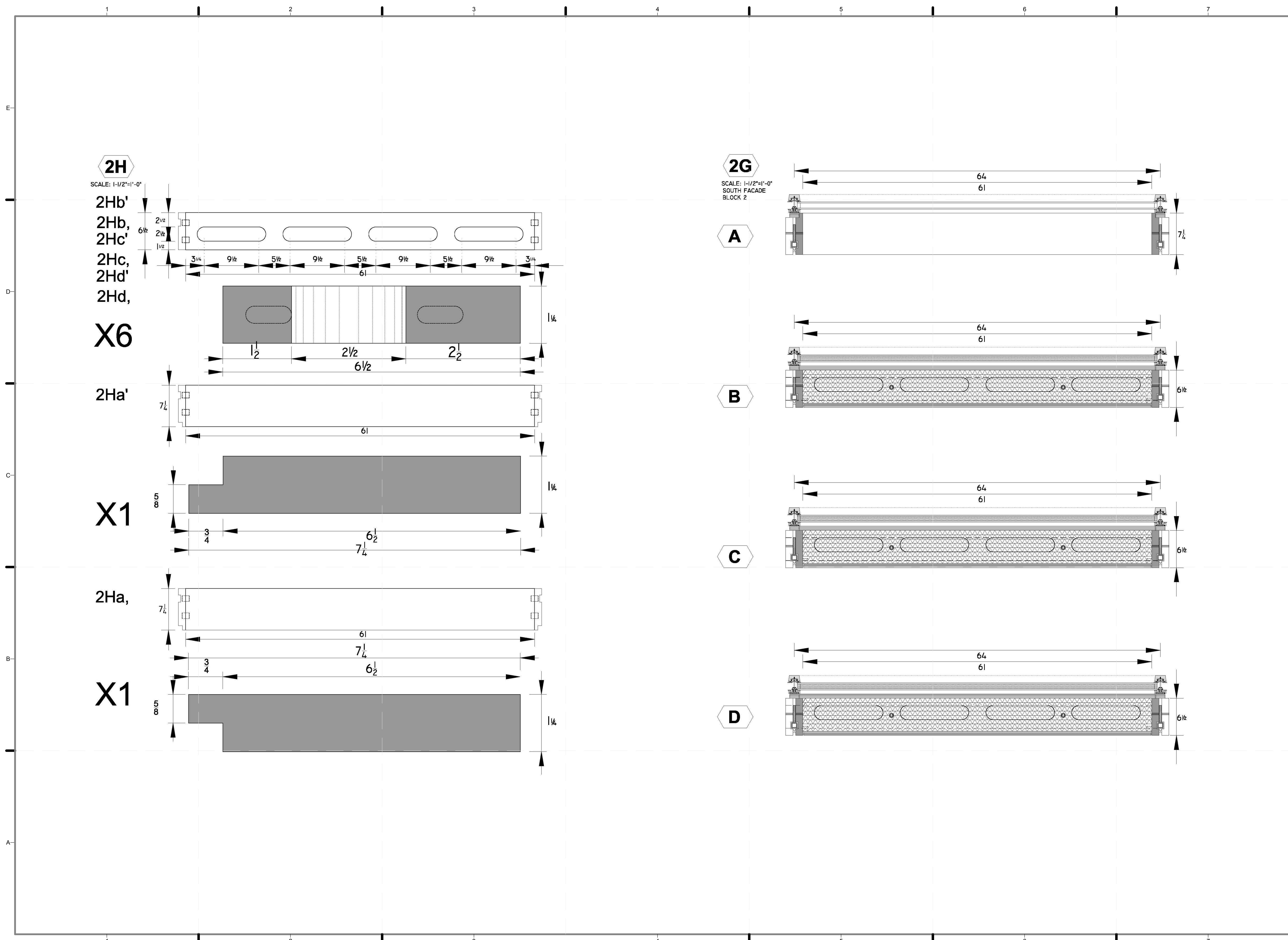
SHEET TITLE:

MODULE 2 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-074.01



2H

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

2Hb'

2Hb,

2Hc'

2Hc,

2Hd'

2Hd,

X6

2Ha'

X1

2Ha,

X1

2G

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

SOUTH FACADE

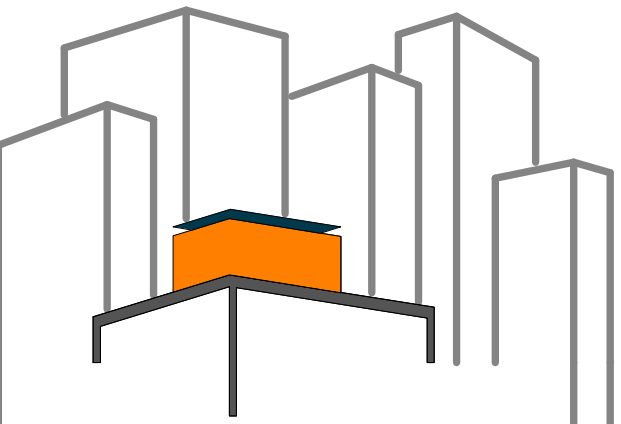
BLOCK 2

A

B

C

D



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

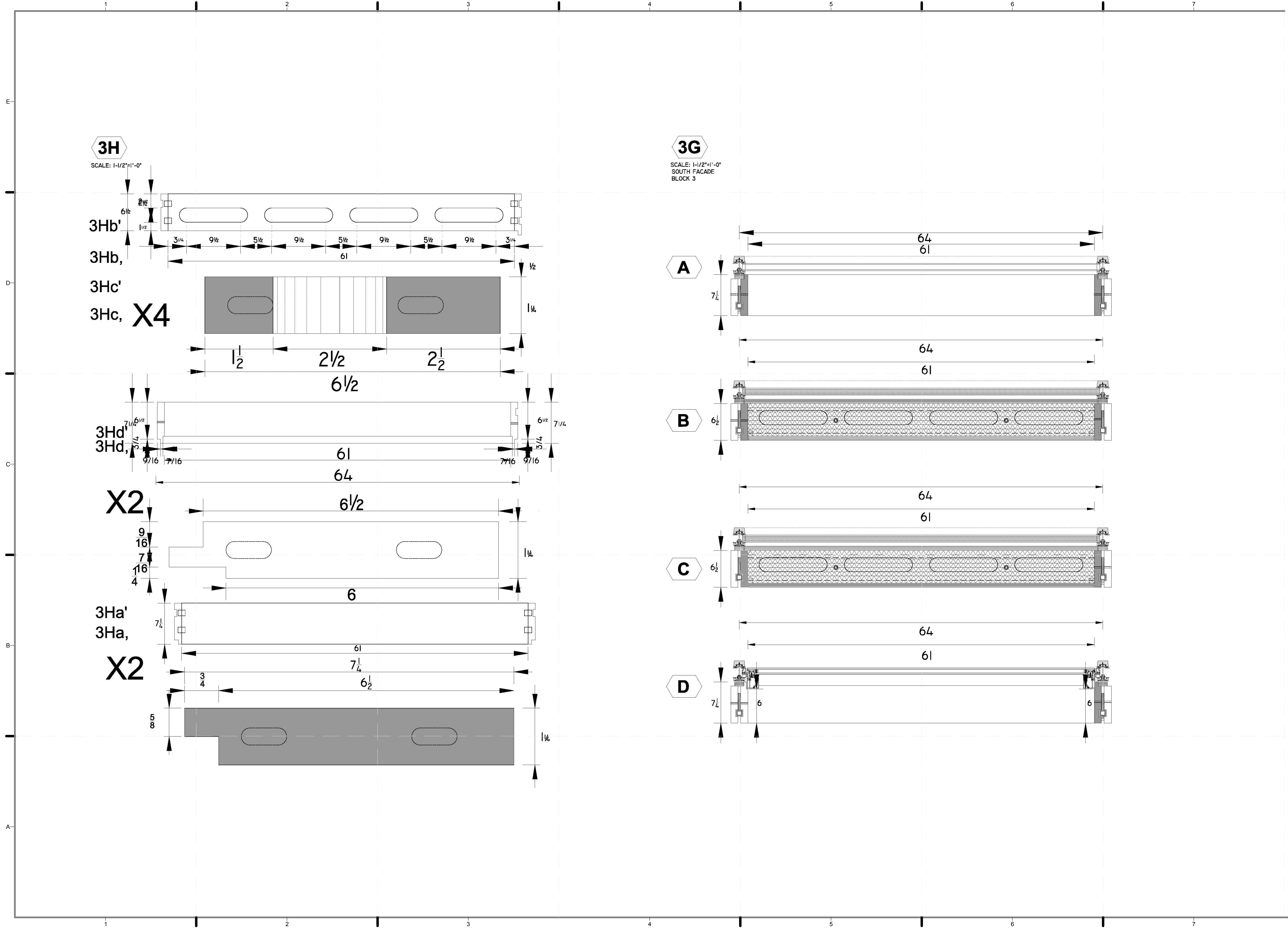
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:57:08 PM

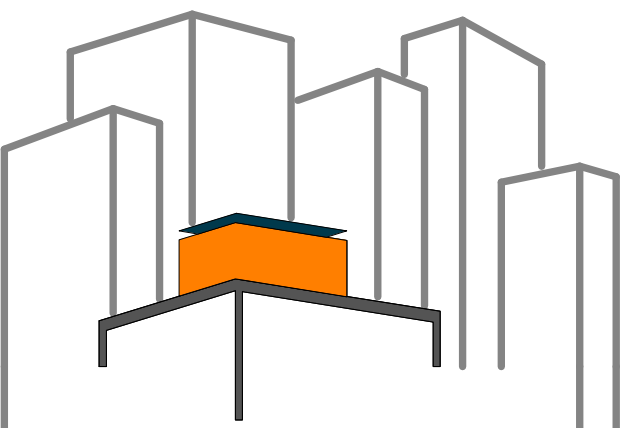
2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MODULE 3 - HORIZONTAL MEMBERS & DETAILS

SCALE: **AS INDICATED**
PLAN #:

Z-076.01





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:57:19 PM

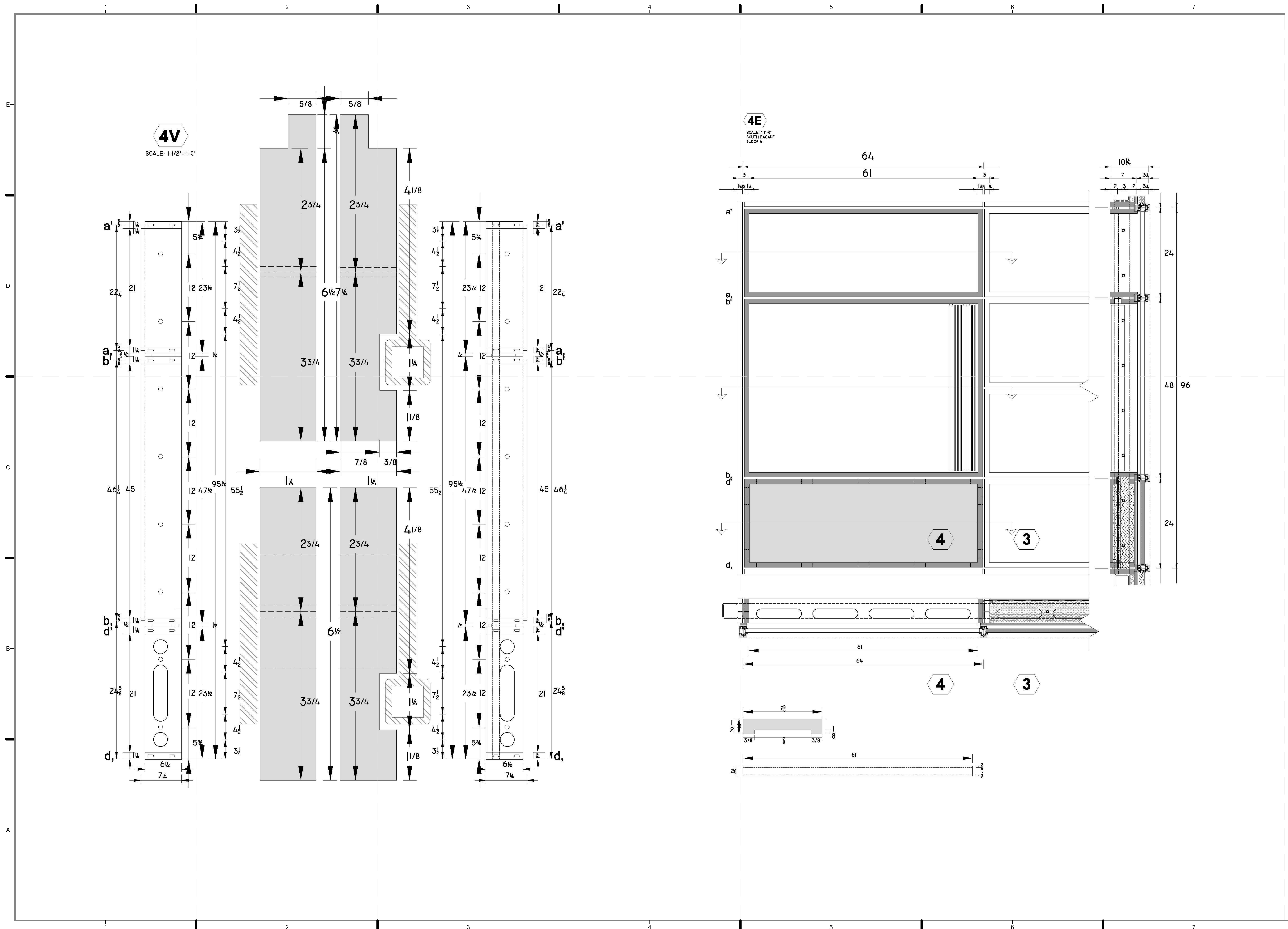
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

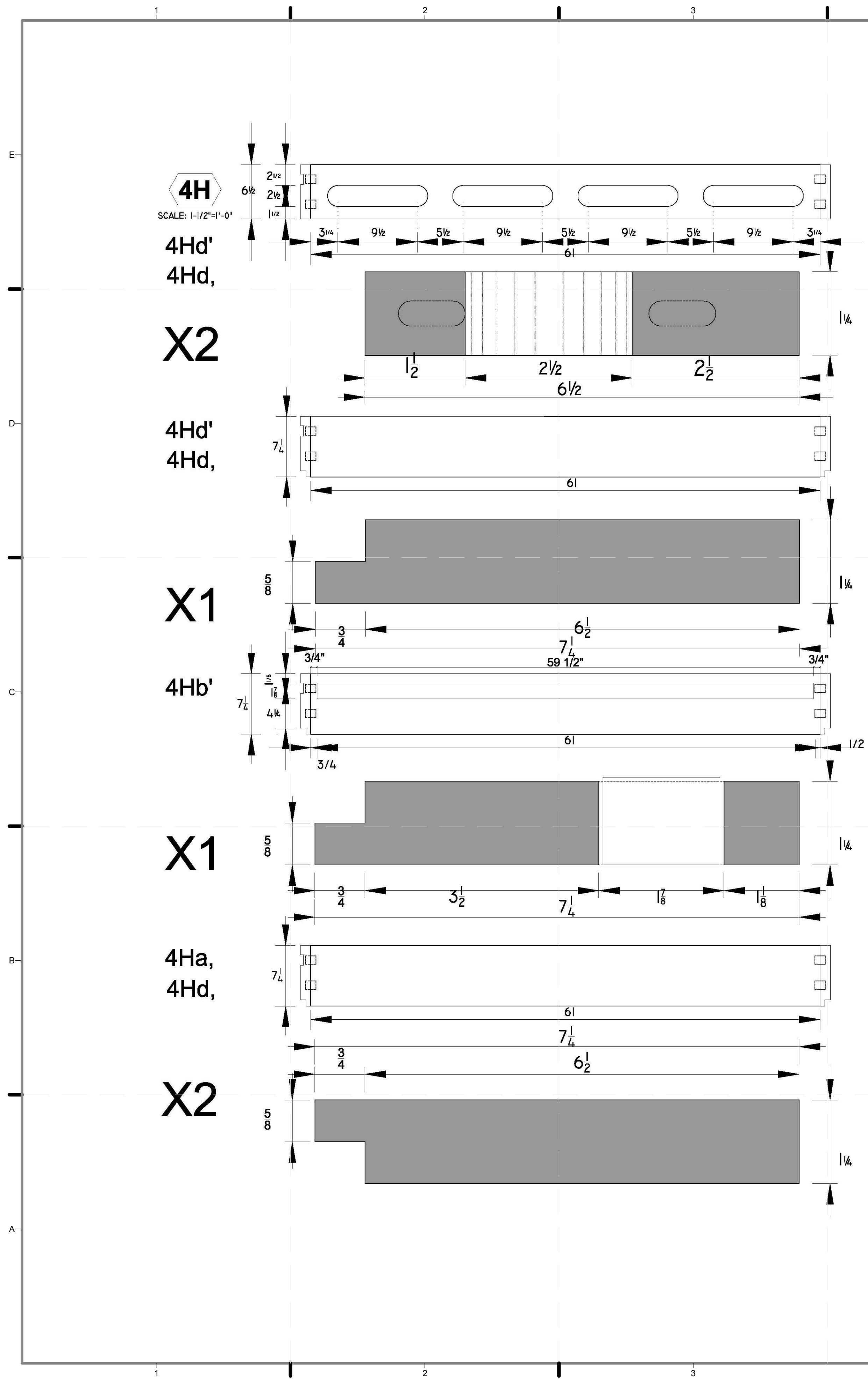
SHEET TITLE:
MODULE 4 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-077.01





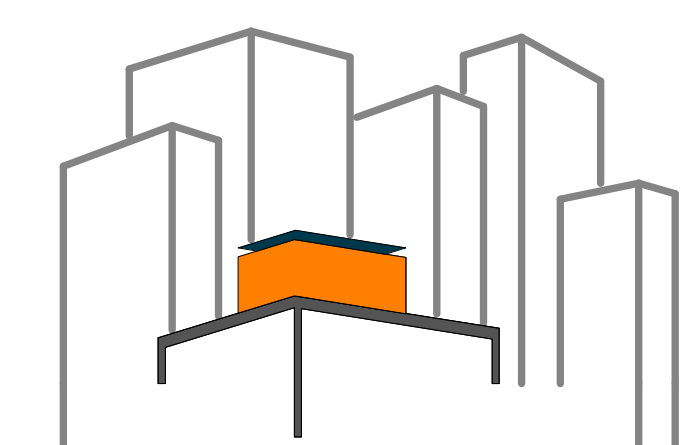
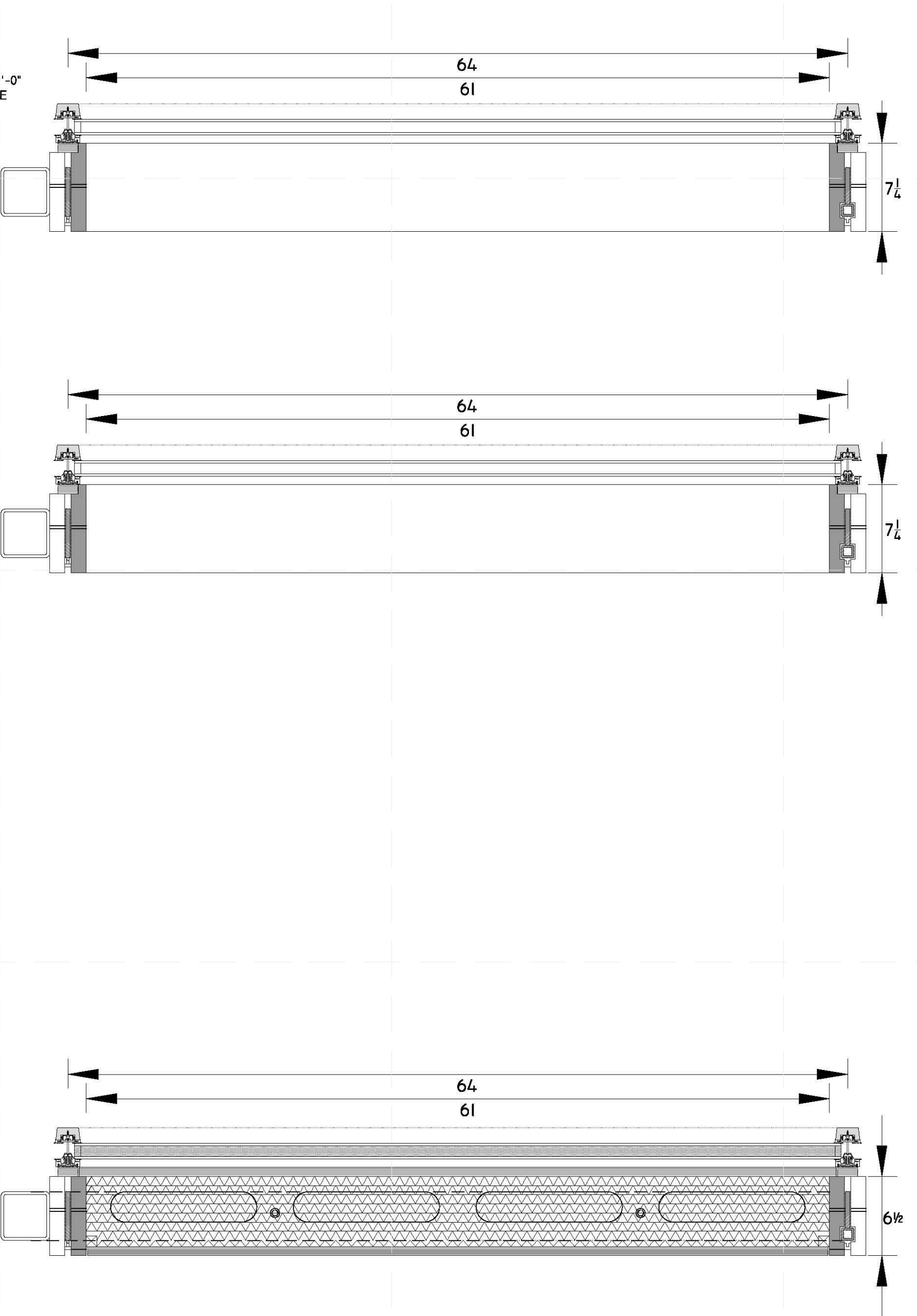
4G
SCALE: 1-1/2"=1'-0"
SOUTH FACADE
BLOCK 4

A

B

C

D



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

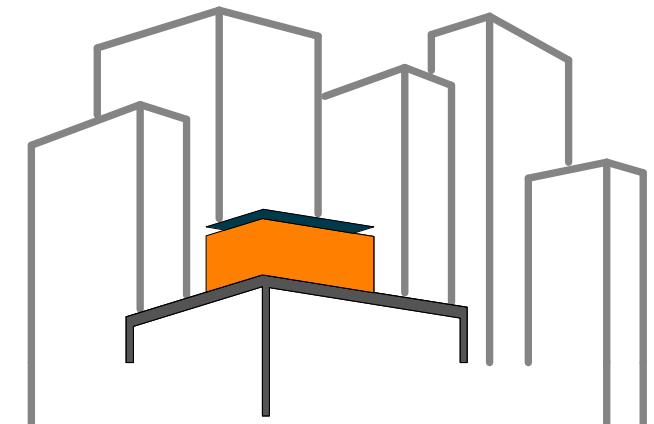
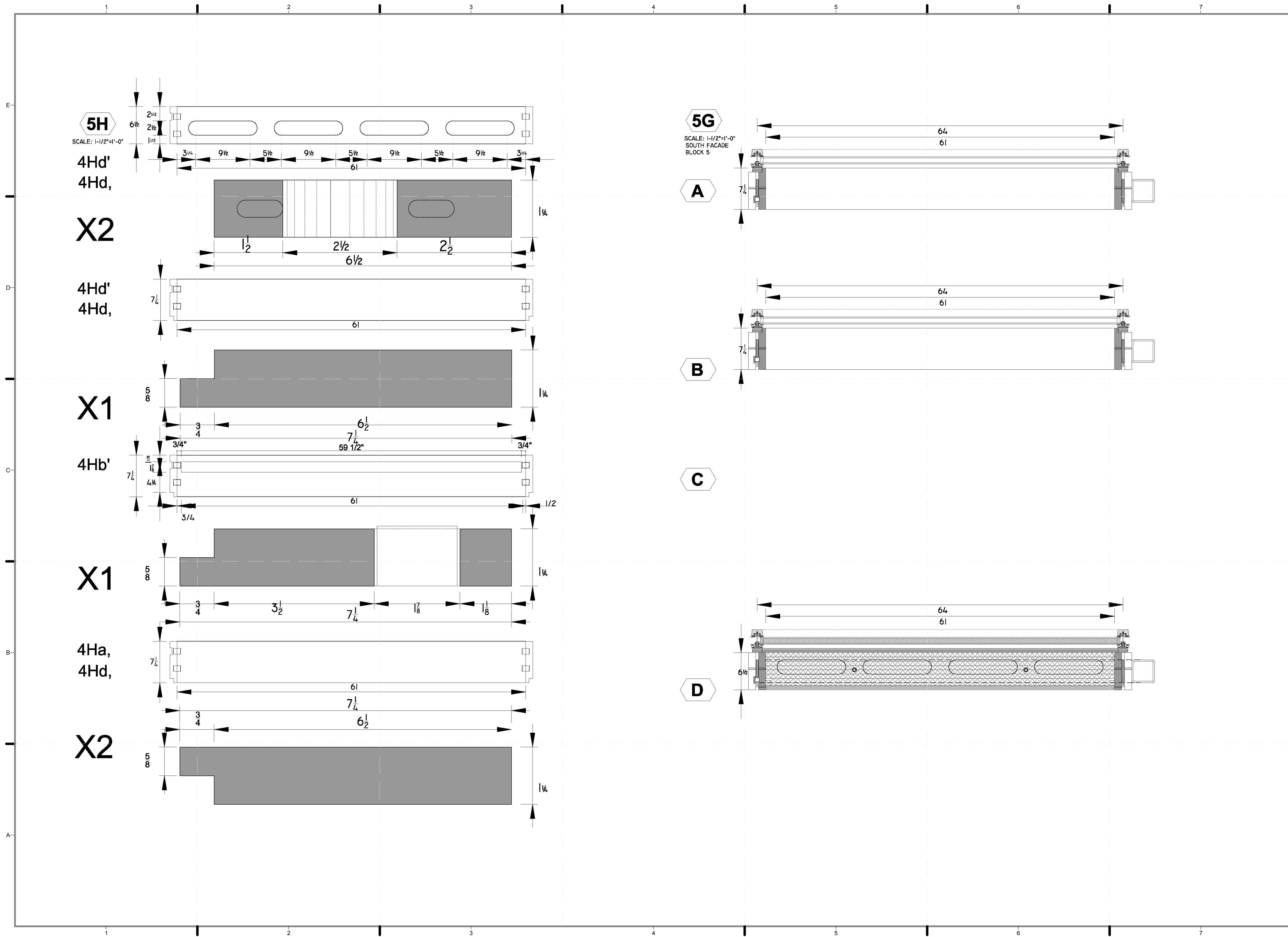
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:57:24 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MODULE 4 - HORIZONTAL MEMBERS & ELEVATION

SCALE: AS INDICATED
PLAN #:

Z-078.01



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

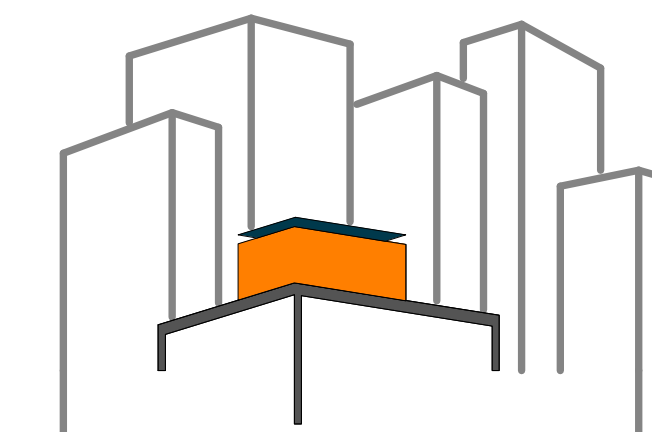
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMANN
DATE: 8/12/2011 10:57:32 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MODULE 5 - HORIZONTAL MEMBERS & ELEVATION

SCALE: **AS INDICATED**
PLAN #:

Z-079.01



SOLAR ROOF POD
www.cnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
cnysd11@gmail.com



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

REVISIONS: DATE / NAME

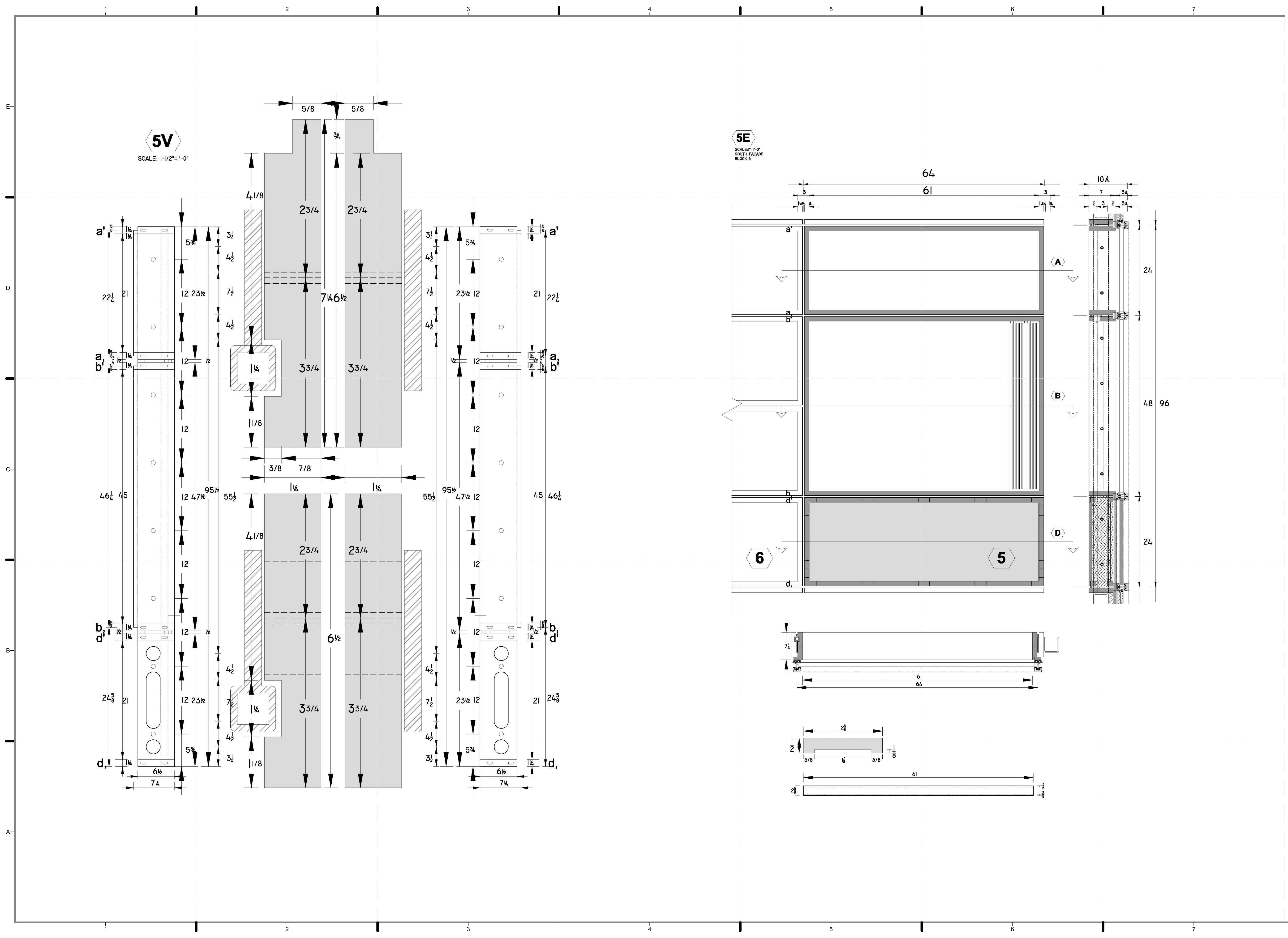
LOT NUMBER: 403
DRAWN BY: **JOHN VLAHAKIS**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:57:41 PM**

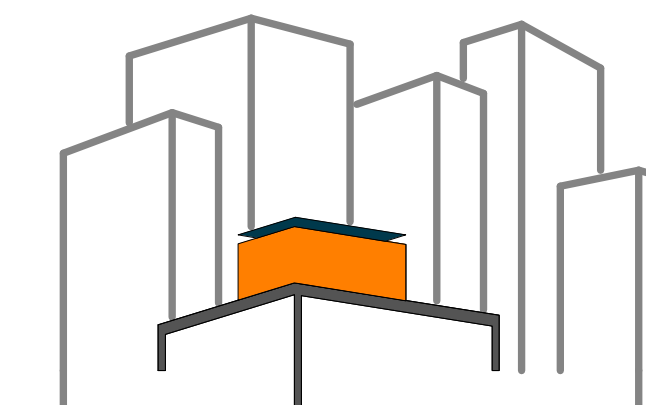
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
MODULE 5 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: **AS INDICATED**
PLAN #:

Z-080.01





SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnystd1@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:57:49 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

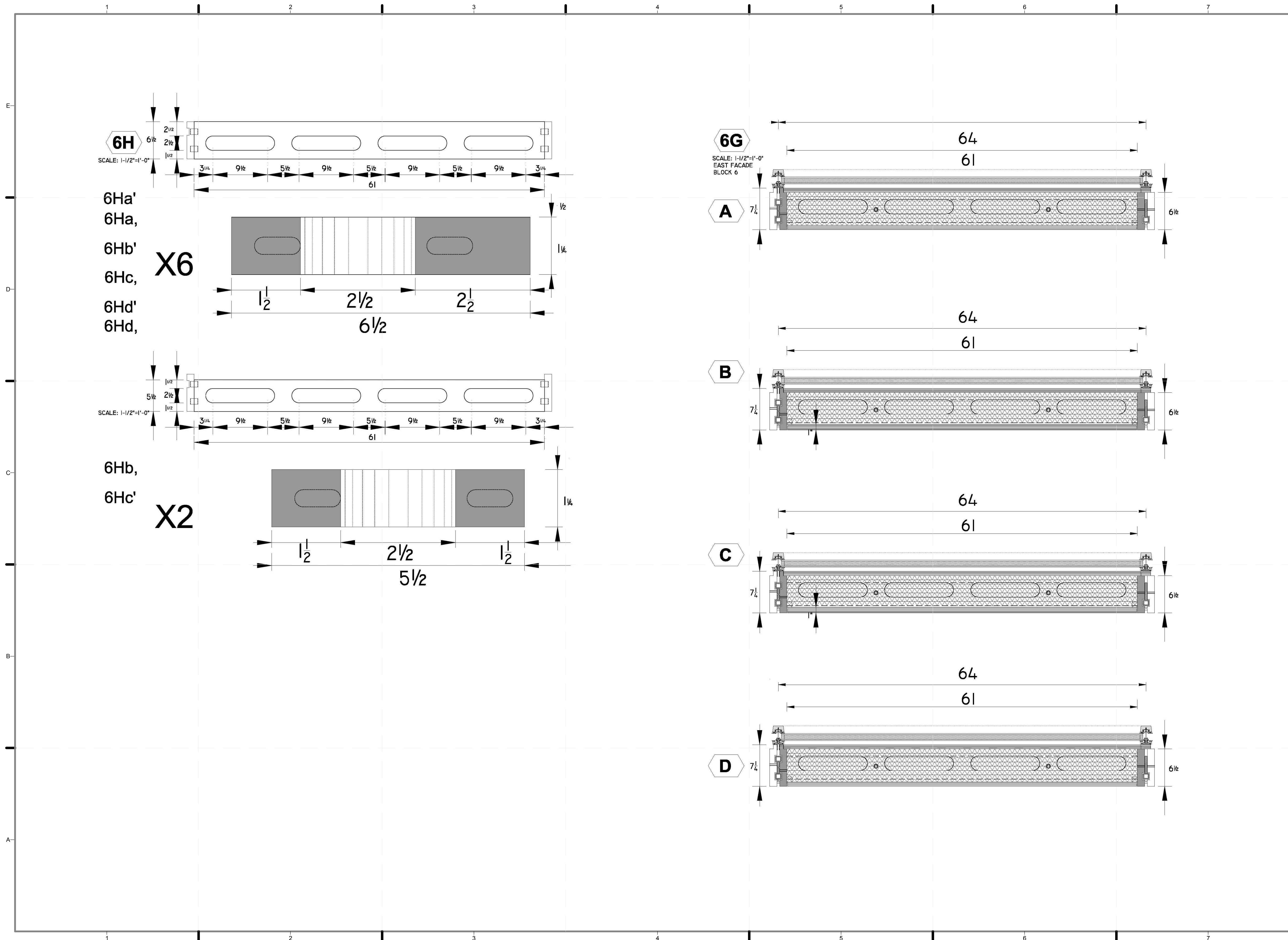
SHEET TITLE:

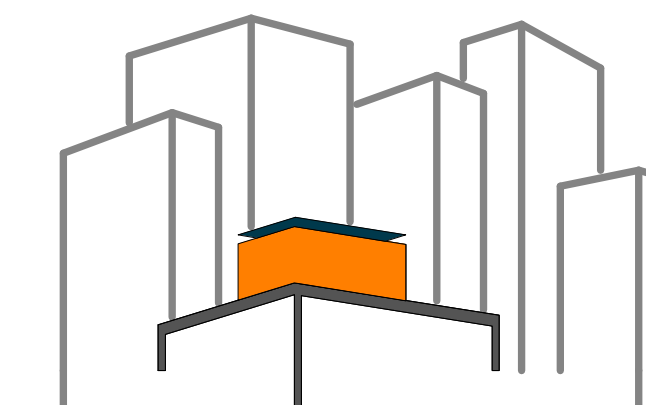
MODULE 6 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-081.01





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:57:57 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

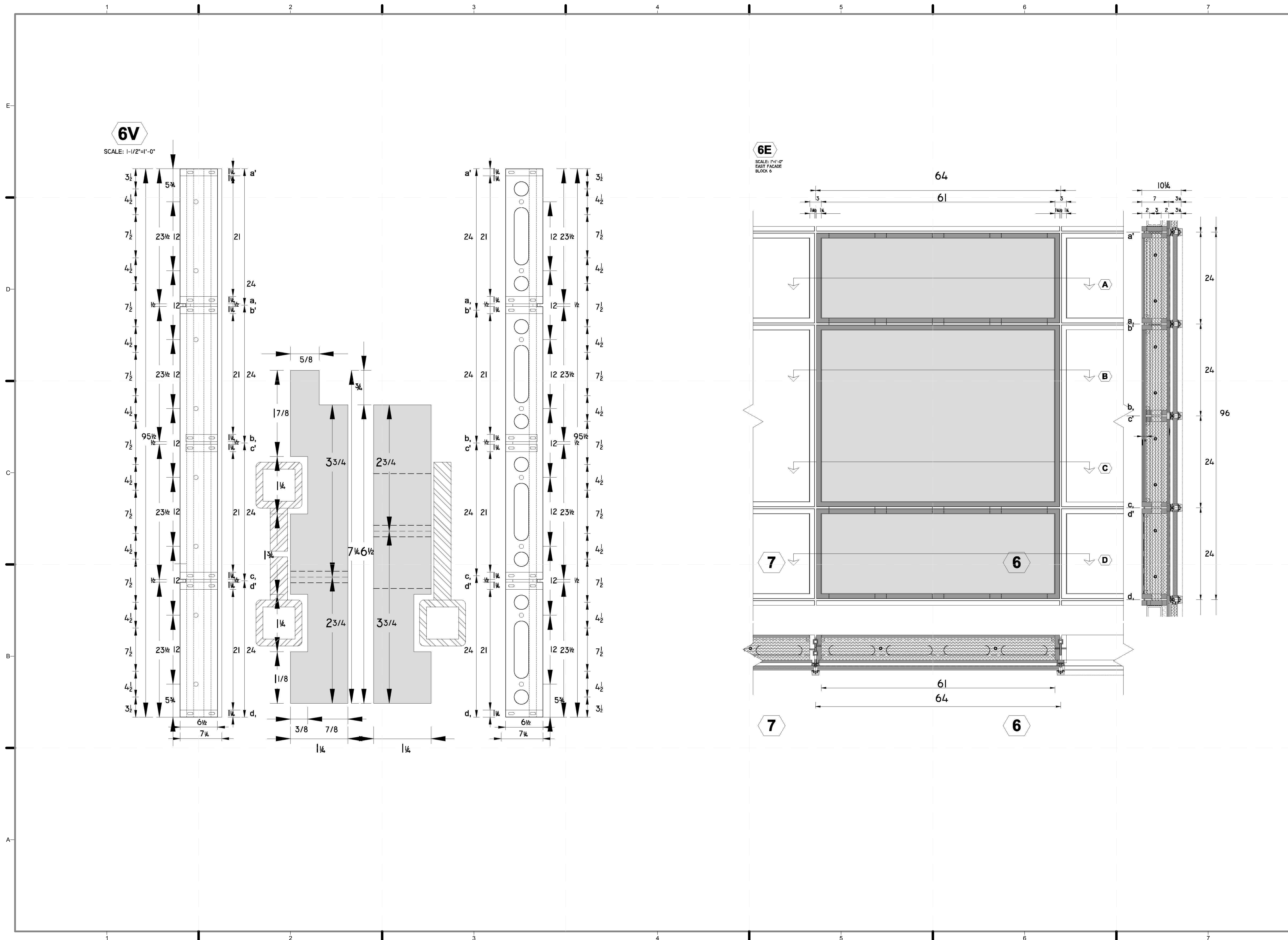
SHEET TITLE:

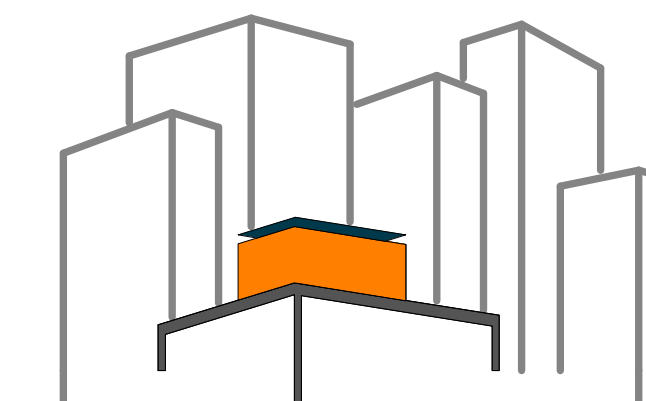
MODULE 6 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-082.01





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAKAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:58:06 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

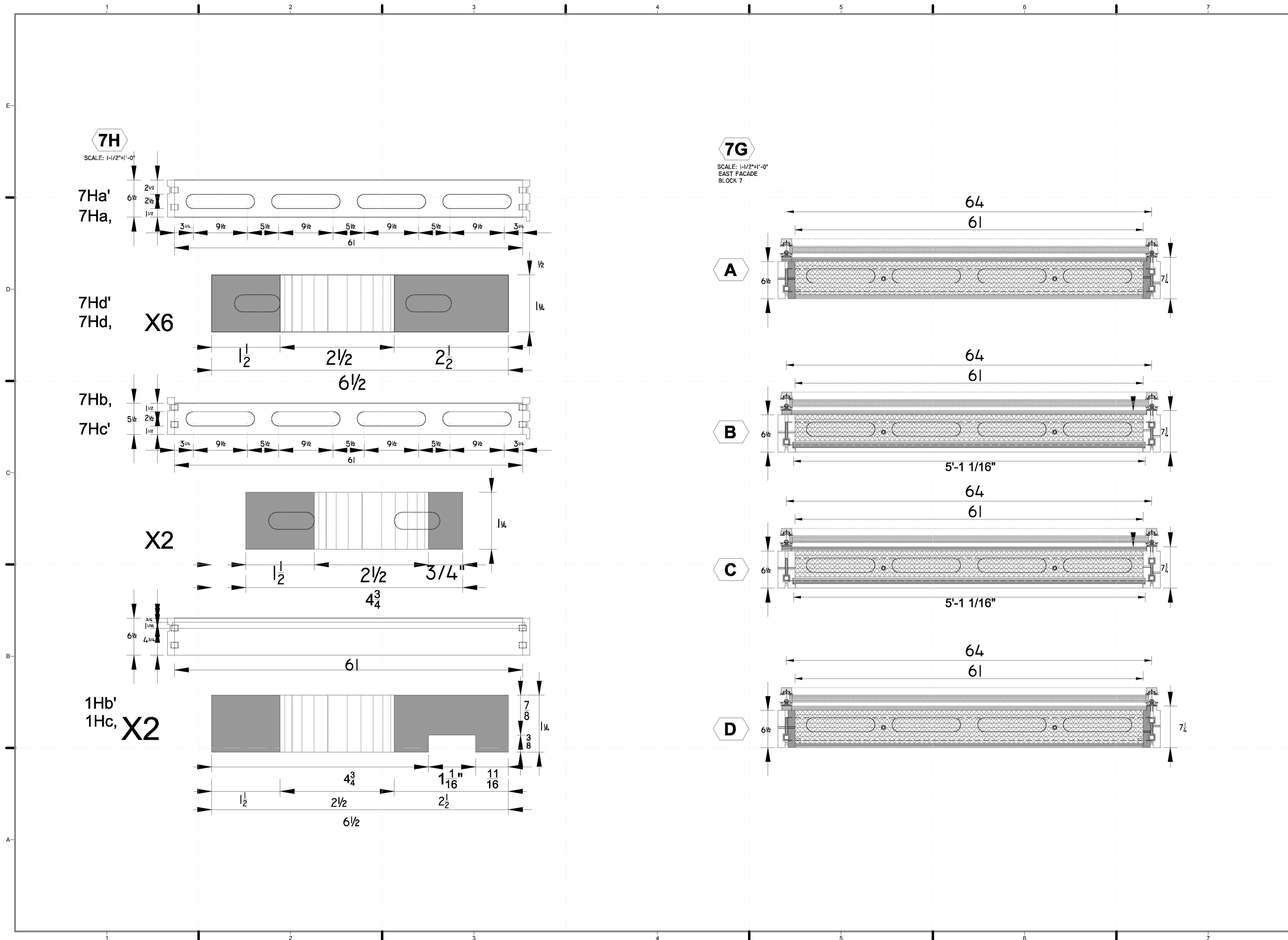
SHEET TITLE:

MODULE 7 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-083.01



7H

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

7Ha'
7Ha,

7Hd'
7Hd,

7Hb,
7Hc'

1Hb'
1Hc,

X6

X2

X2

7G

SCALE: 1-1/2"=1'-0"
EAST FACADE
BLOCK 7

A

B

C

D

64

61

64

61

5'-1 1/16"

64

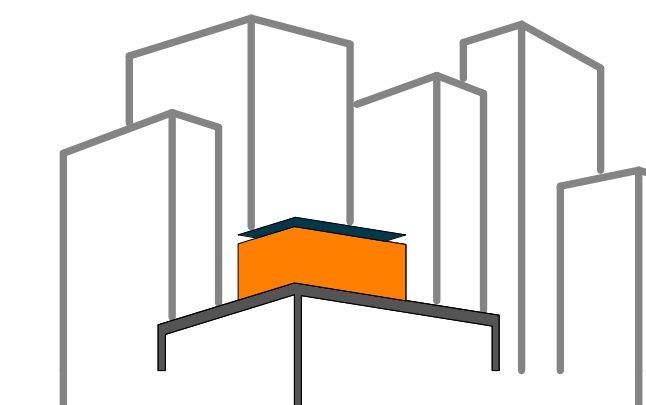
61

5'-1 1/16"

64

61

7 1/4



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:58:23 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

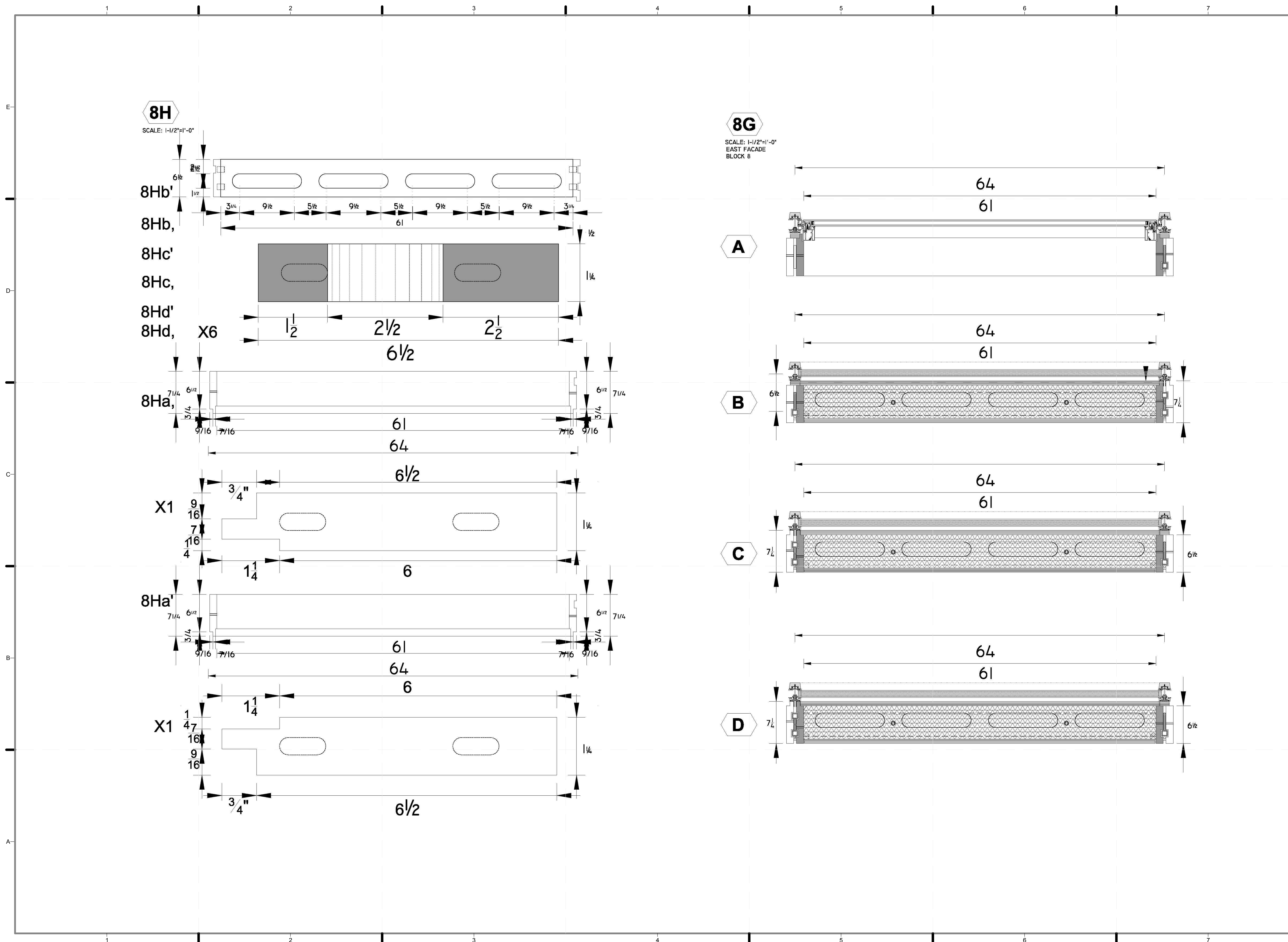
SHEET TITLE:

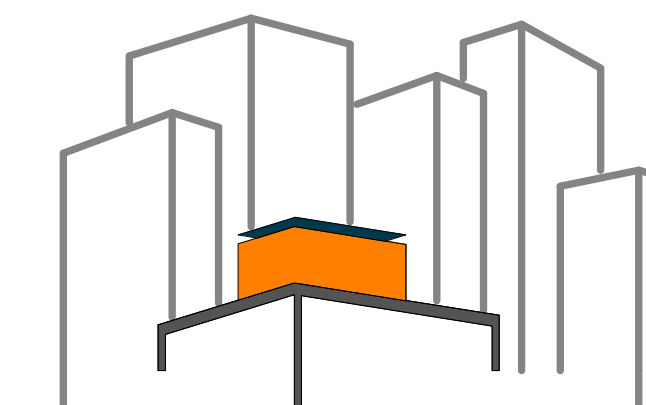
MODULE 8 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-086.01





SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnystd1@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:58:31 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

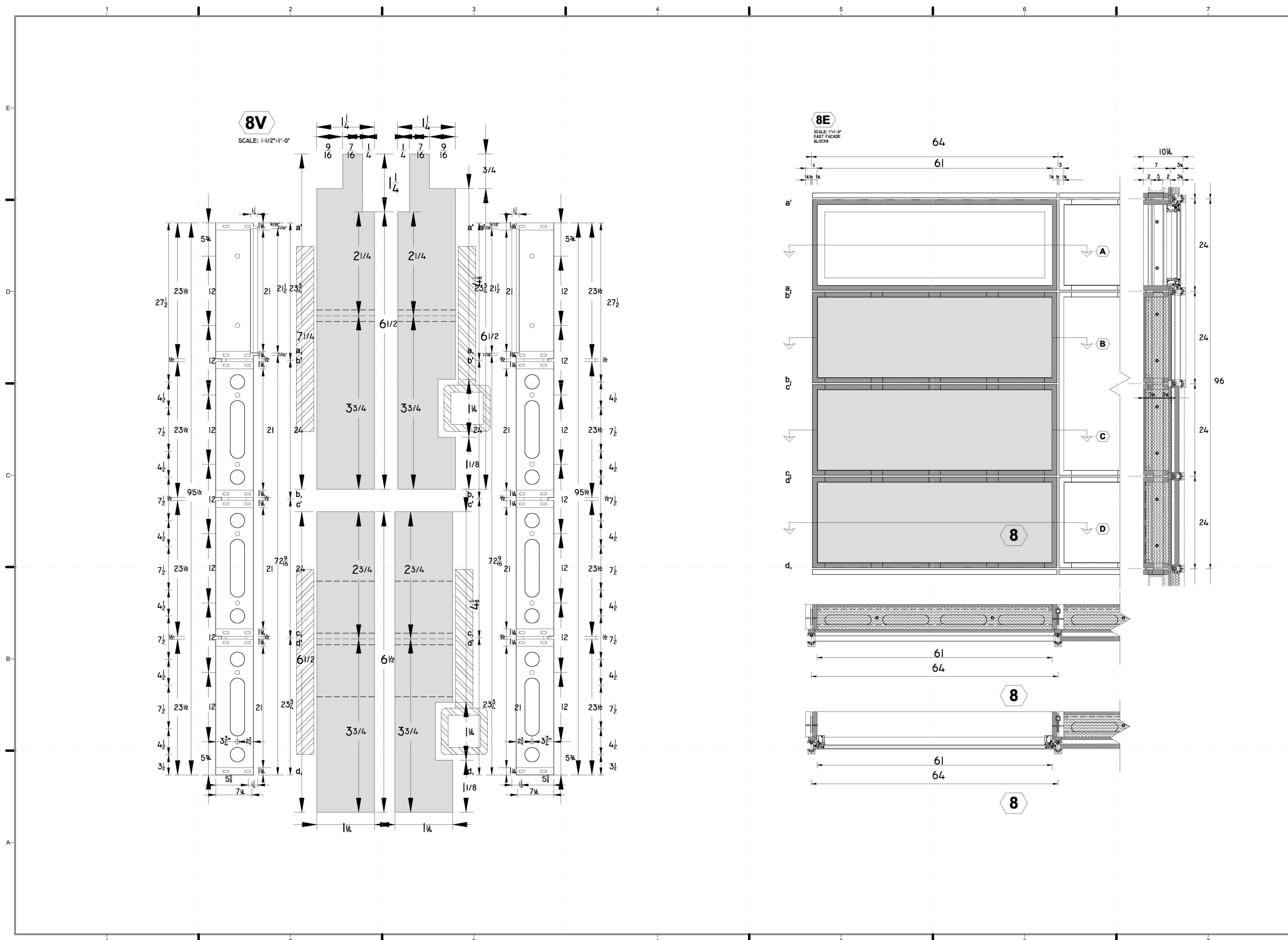
SHEET TITLE:

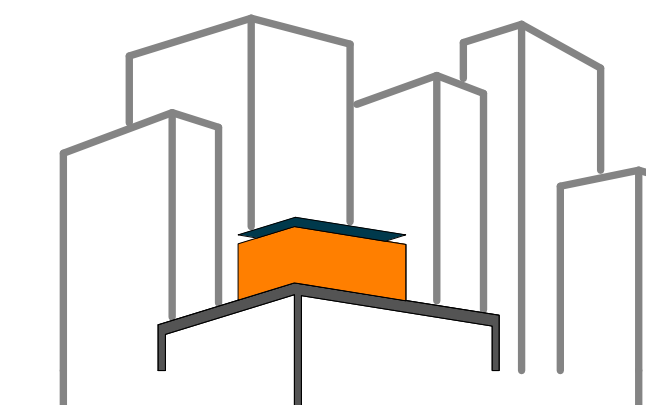
MODULE 8 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-088.01





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:58:41 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
MODULE 9 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-089.01

9H

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

9Ha'

9Ha,

9Hb'

9Hb,

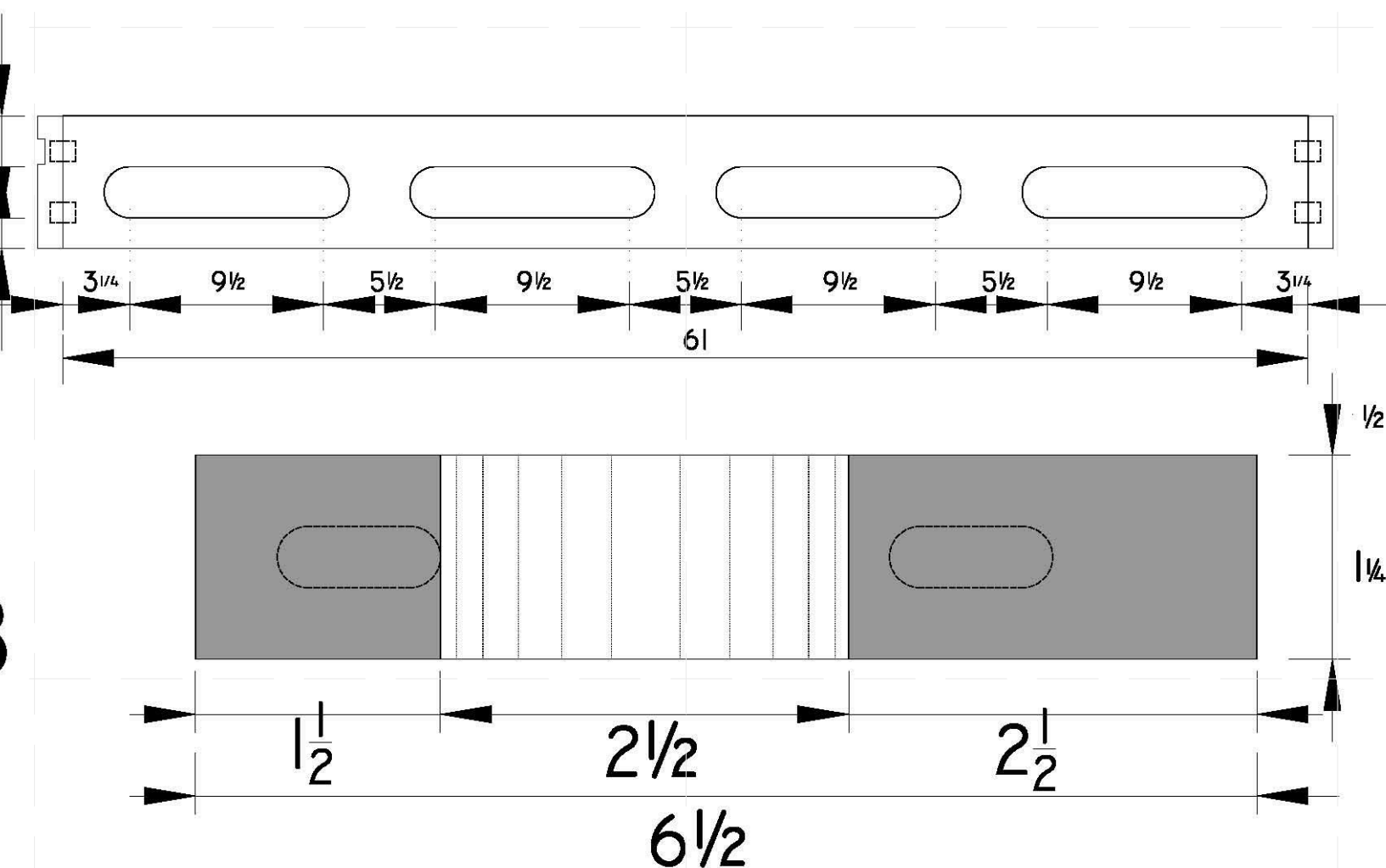
9Hc'

9Hc,

9Hd'

9Hd,

X8



9G

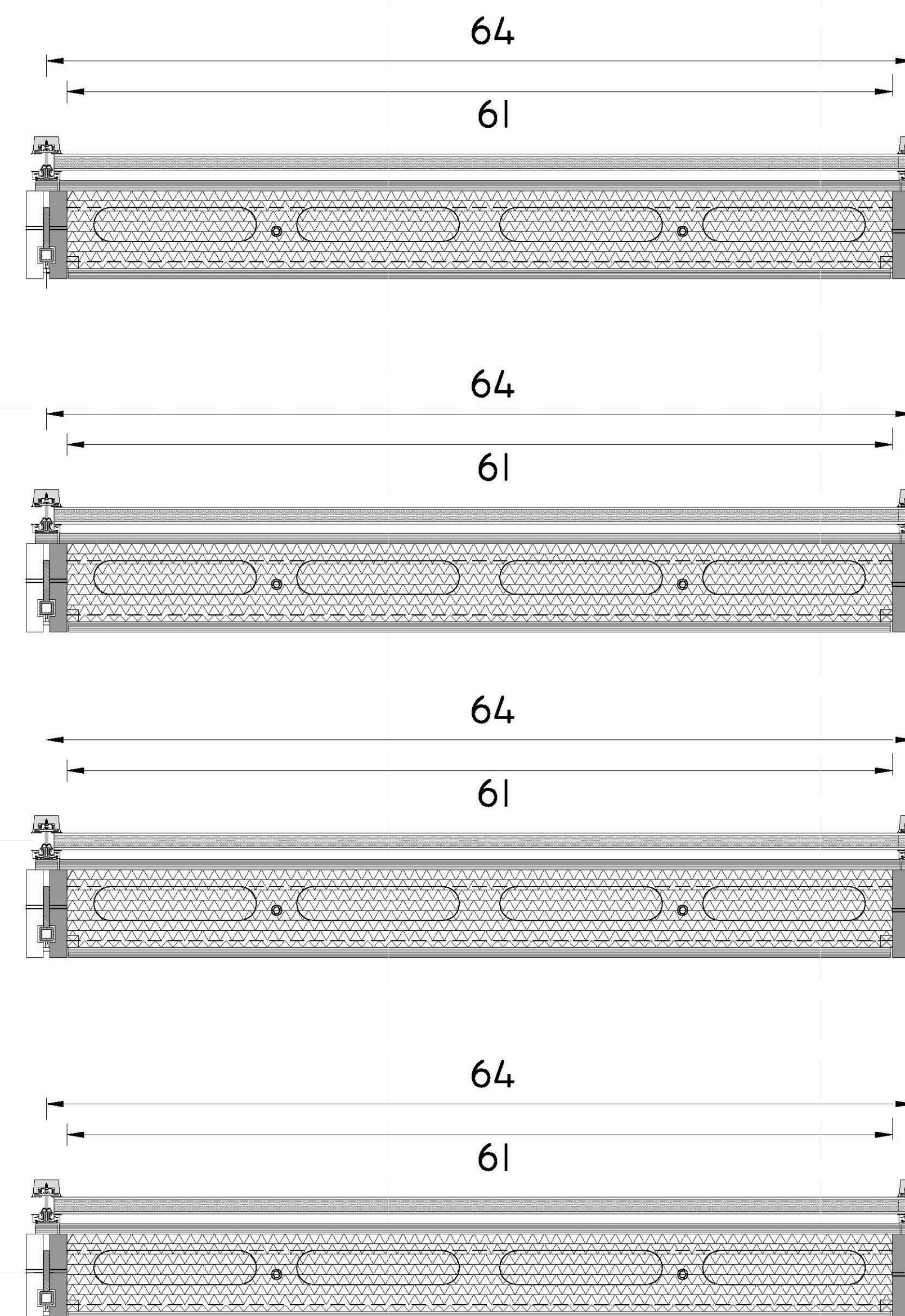
SCALE: 1-1/2"=1'-0"
NORTH FACADE
BLOCK 9

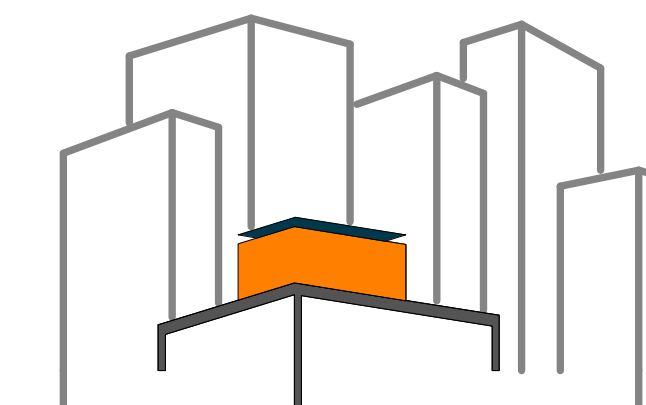
A

B

C

D





SOLAR ROOF POD

www.cnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:58:47 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

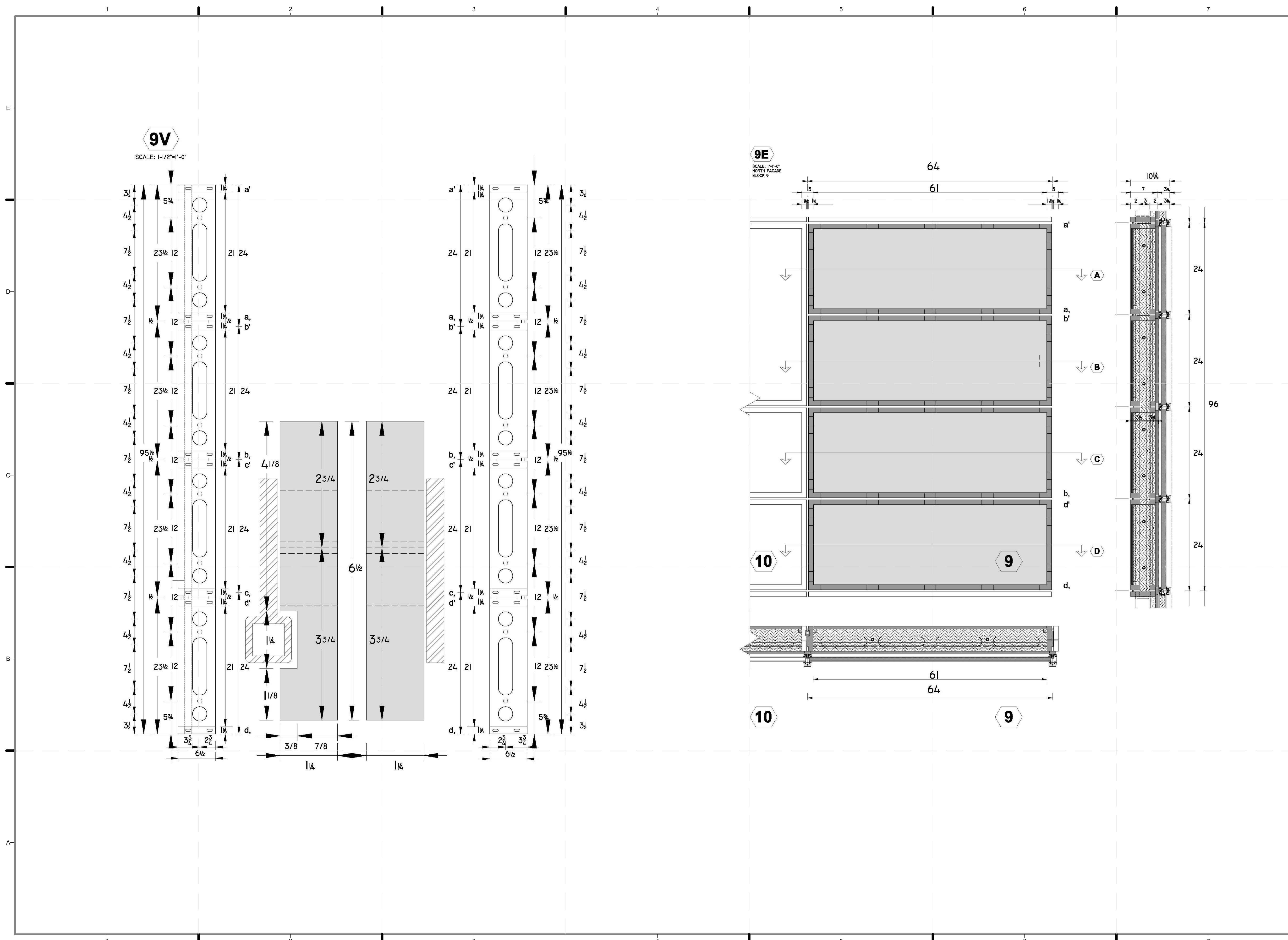
SHEET TITLE:

MODULE 9 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-090.01



9V

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

9E

SCALE: 1/4"=1'-0"
NORTH FACADE
BLOCK 9

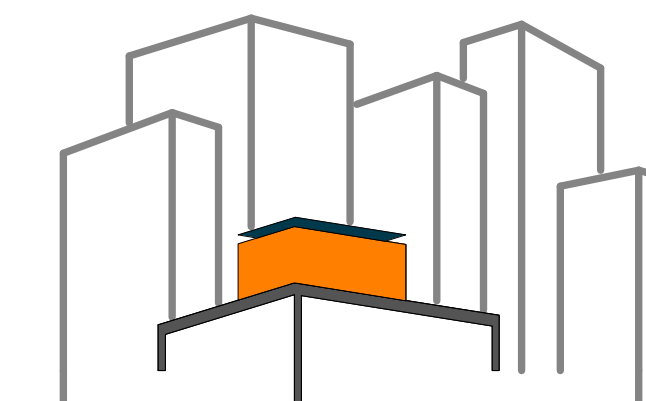
10 1/4

10

9

10

9



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:58:57 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

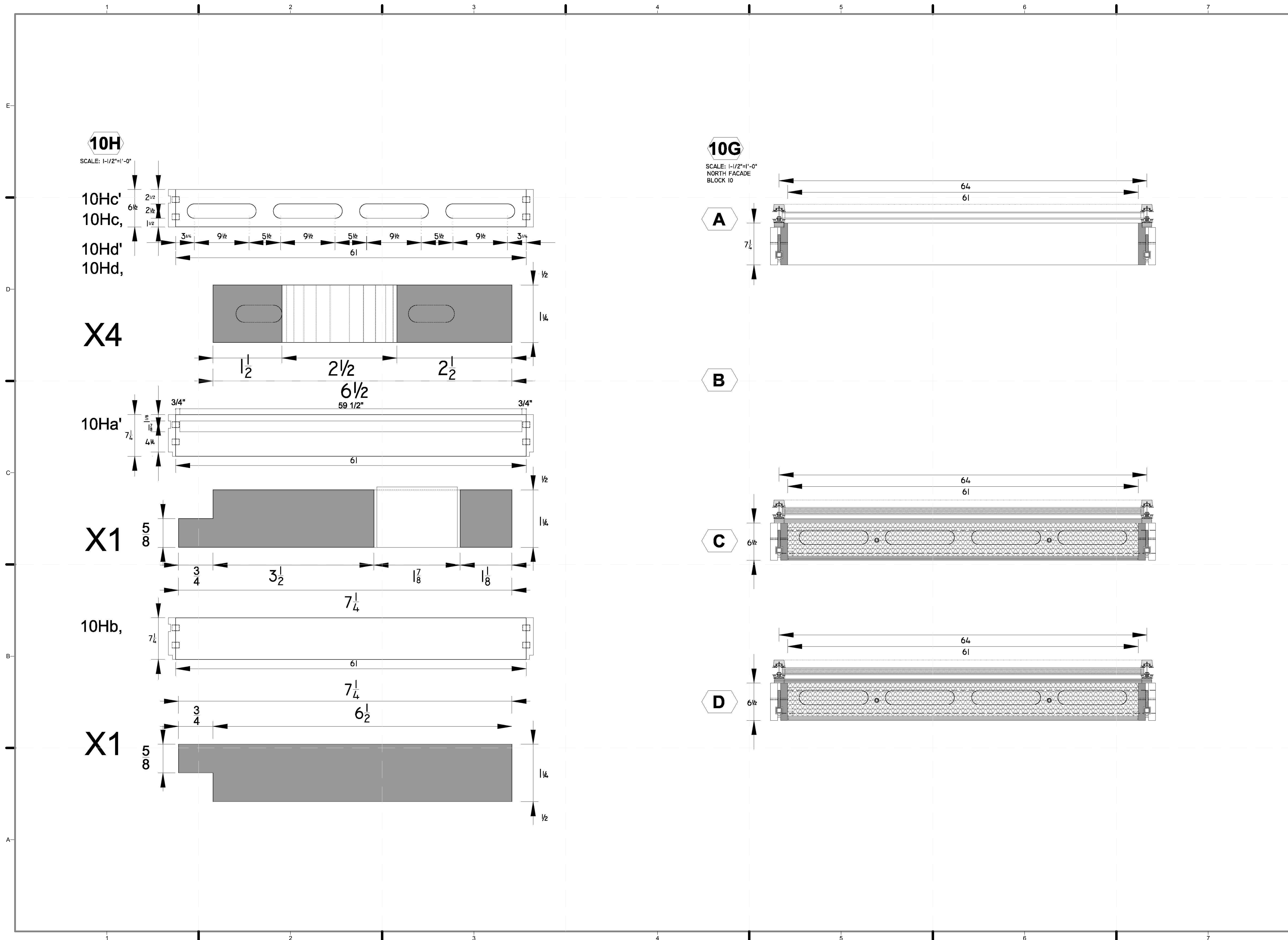
SHEET TITLE:

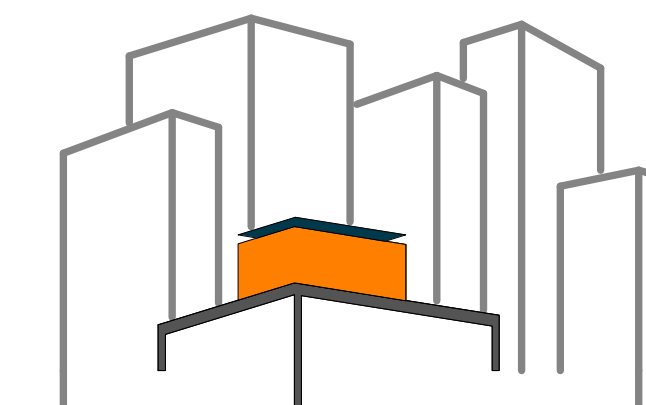
MODULE 10 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-091.01





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:59:14 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

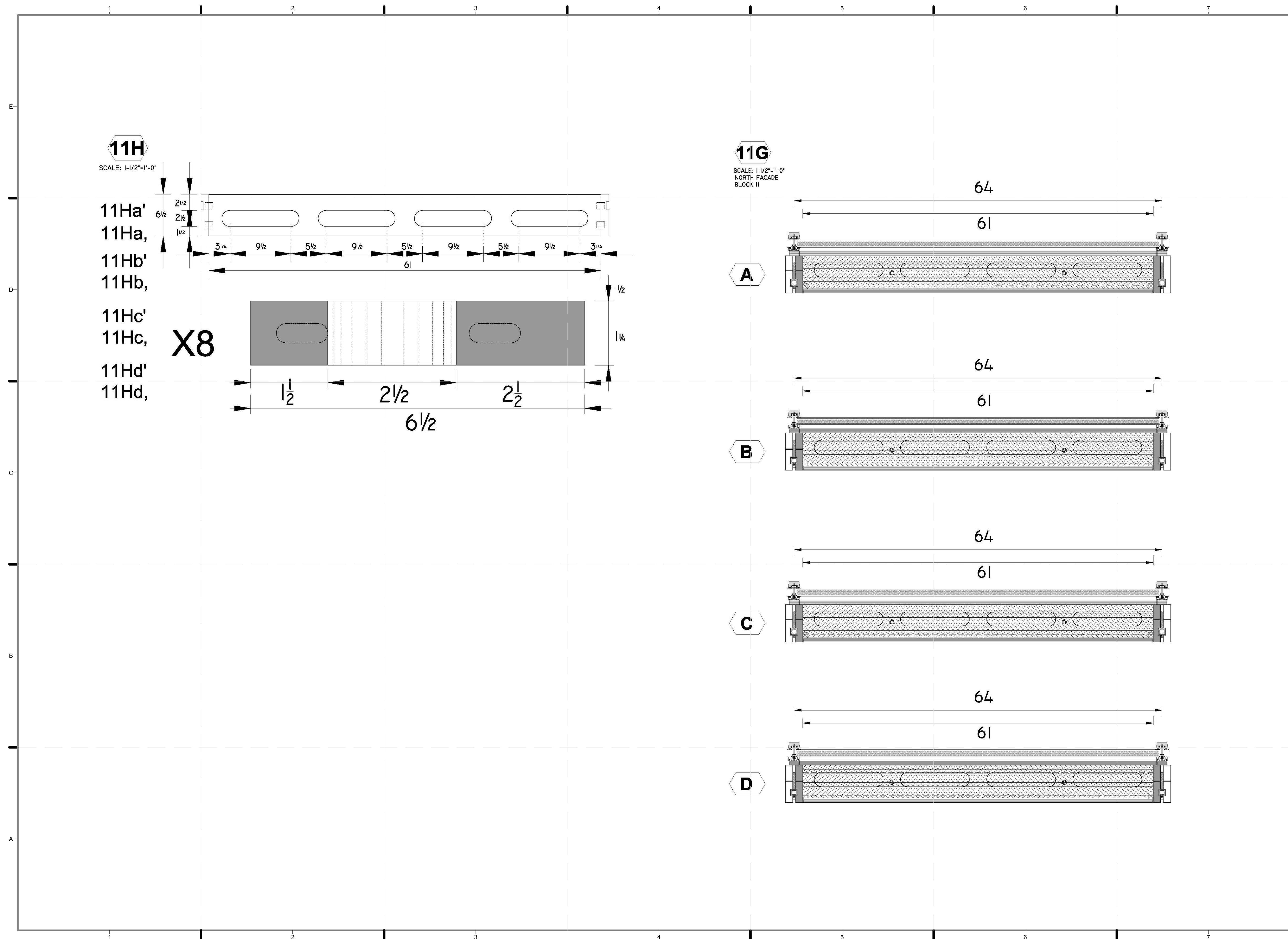
SHEET TITLE:

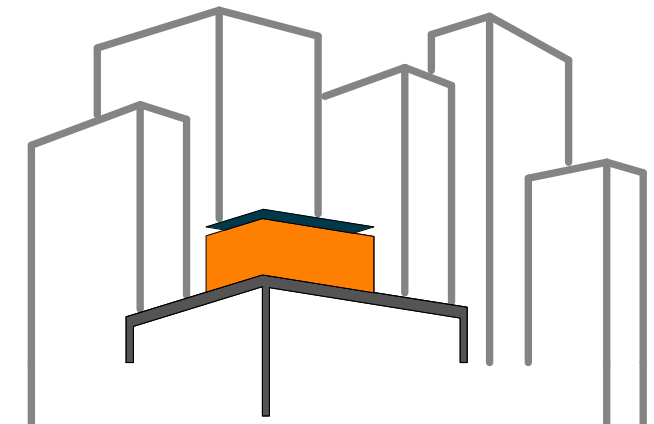
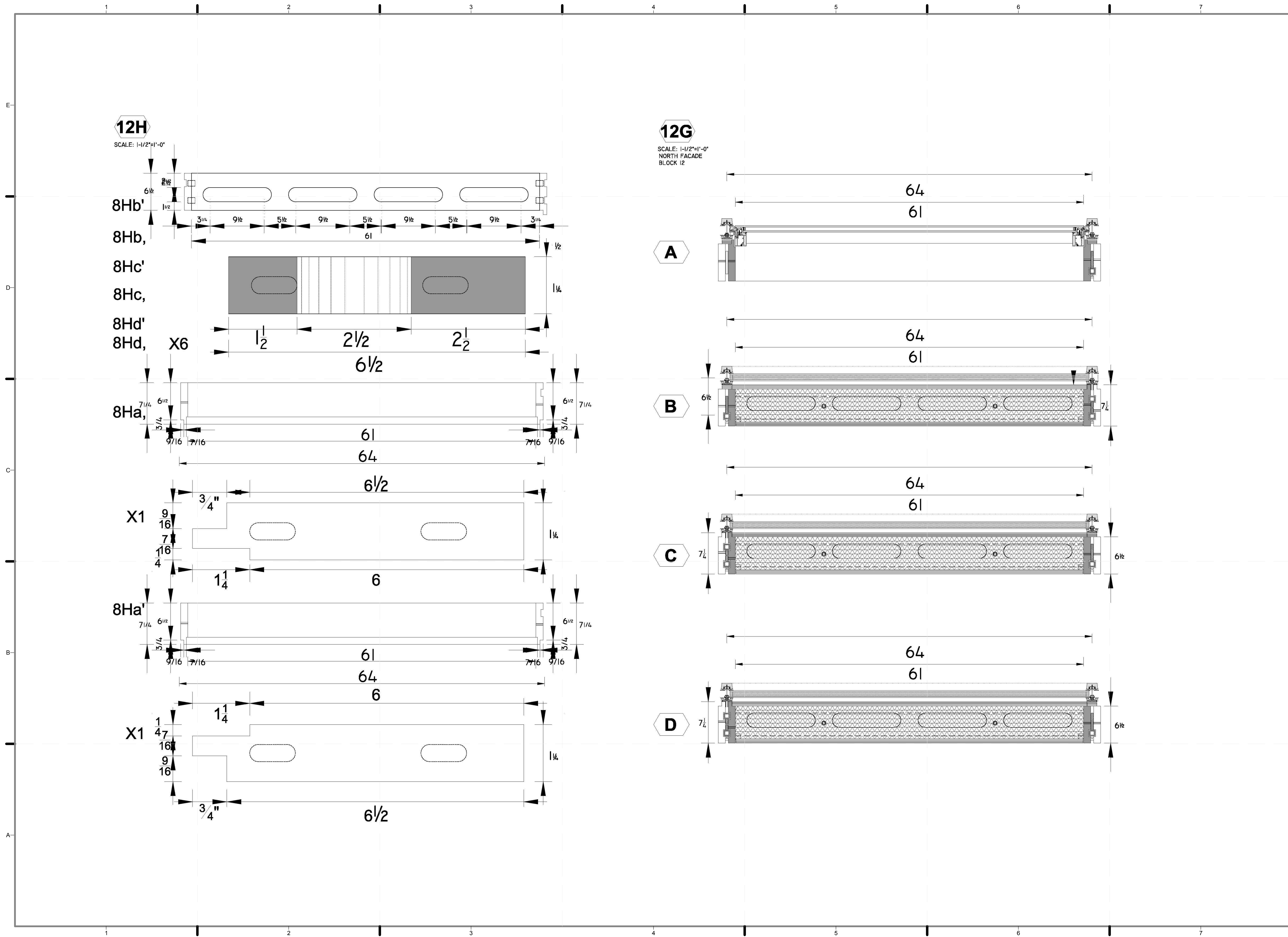
MODULE 11 -
HORIZONTAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-093.01





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

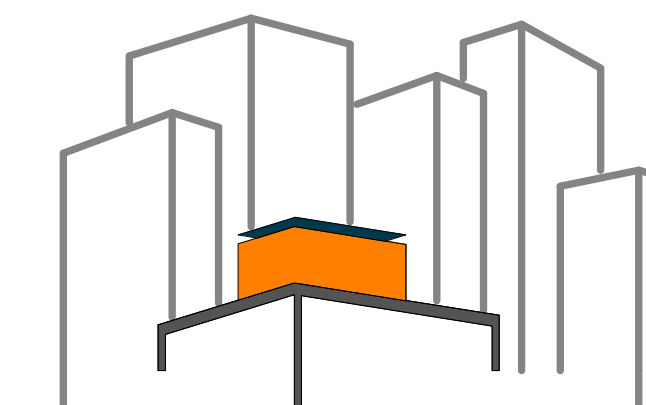
LOT NUMBER: 403
DRAWN BY: JOHN VLAKAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:59:28 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MODULE 12 - HORIZONTAL MEMBERS & ELEVATION

SCALE: AS INDICATED
PLAN #:

Z-096.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:59:35 PM

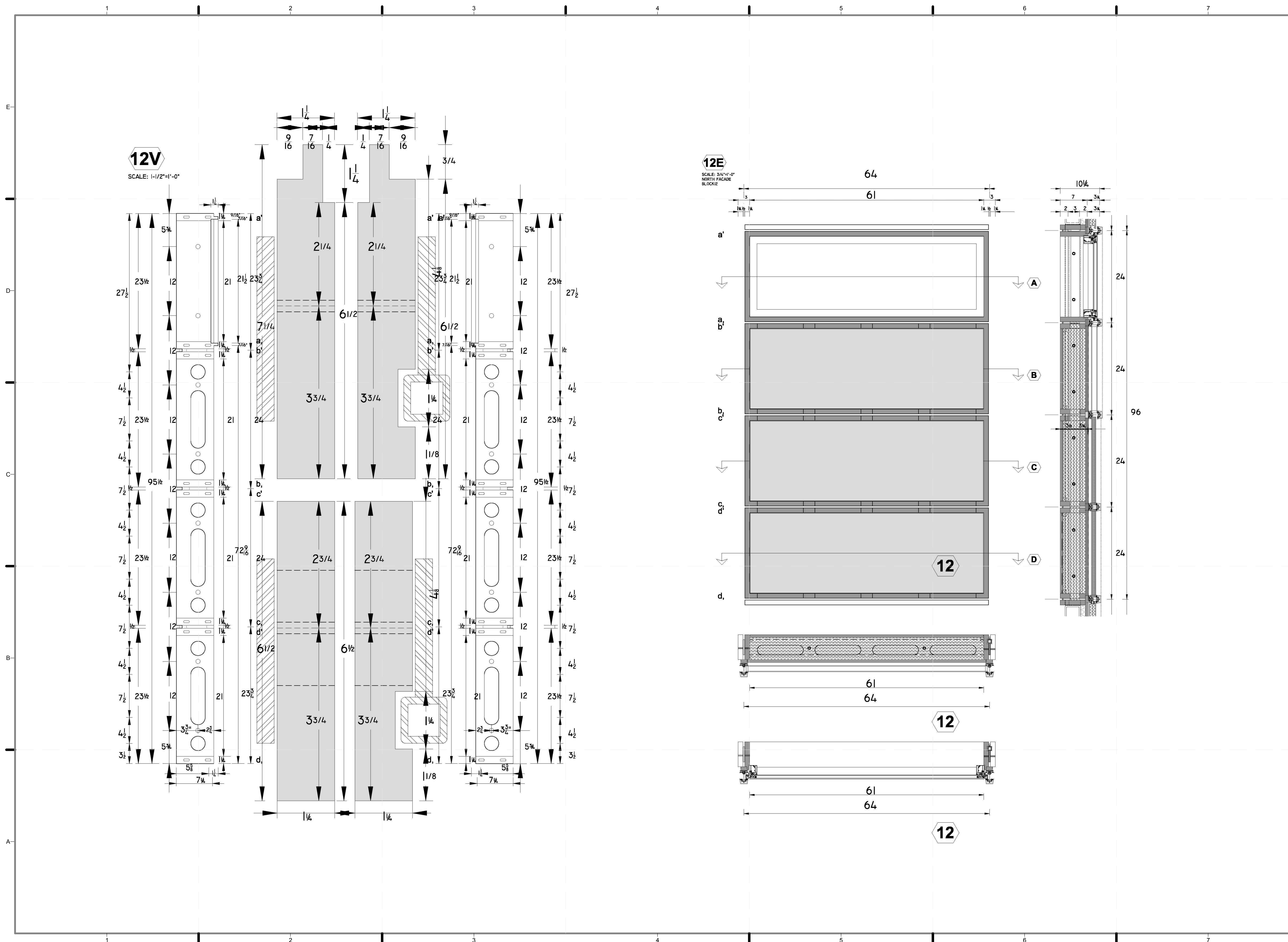
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
MODULE 12 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

PLAN #:

Z-097.01



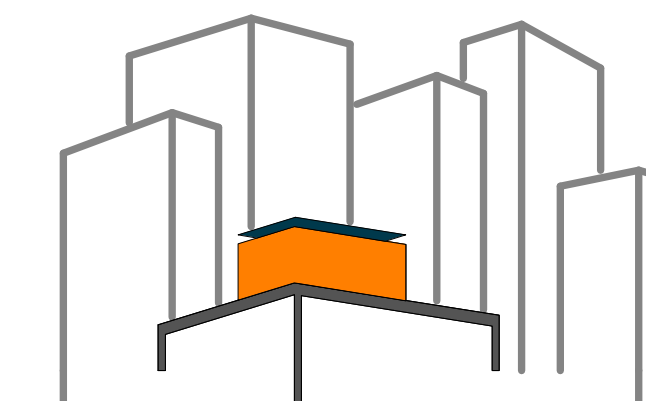
12V
SCALE: 1/12"=1'-0"

12E
SCALE: 3/16"=1'-0"
NORTH FACADE
BLOCKS

12

12

12



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMANN

DATE: 8/12/2011 10:59:43 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

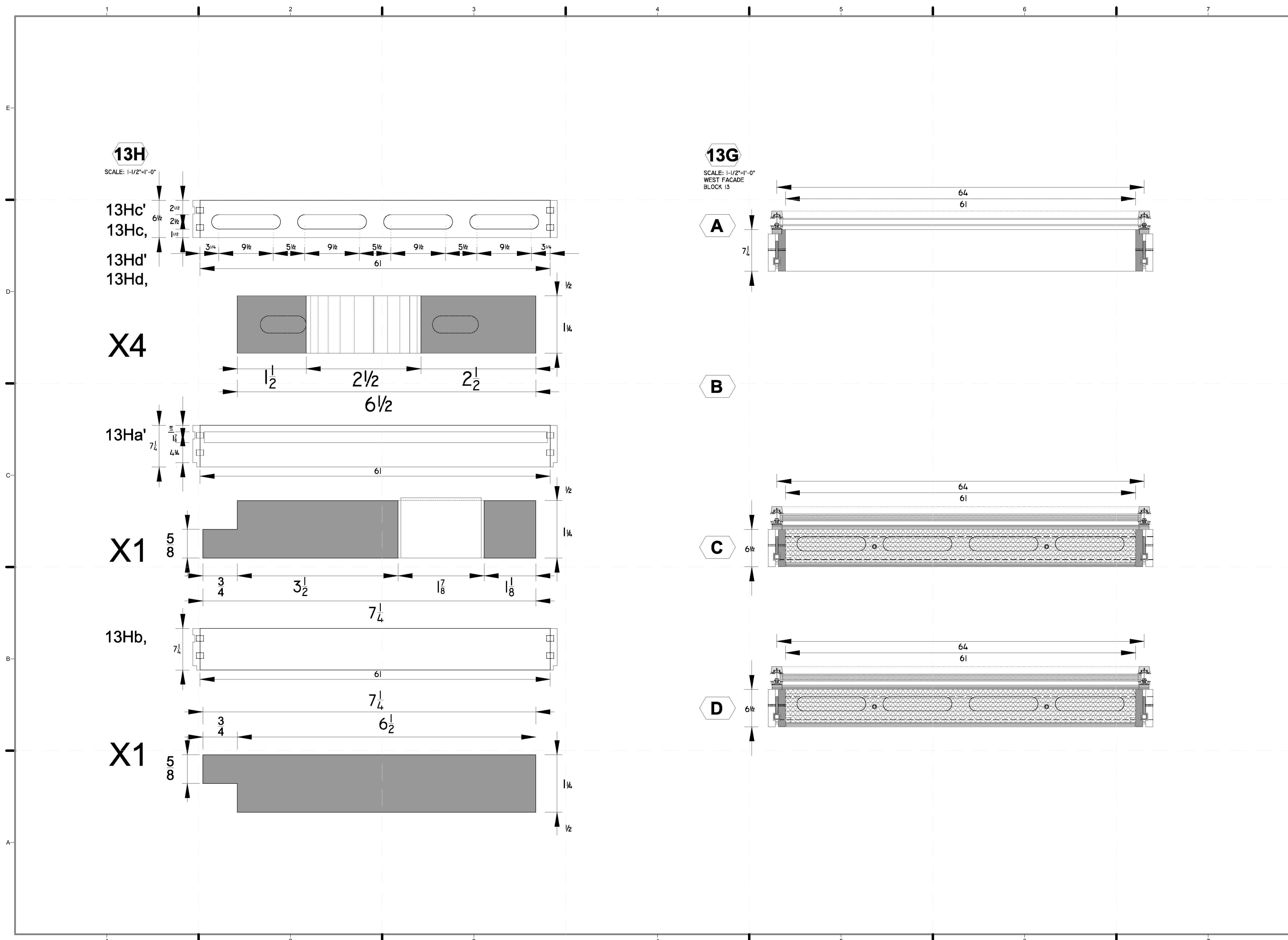
SHEET TITLE:

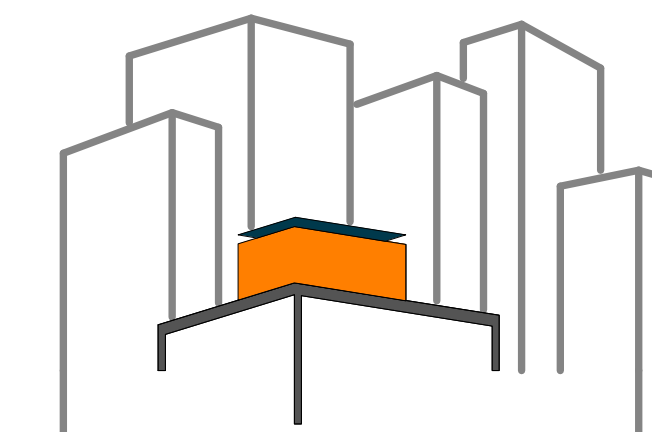
MODULE 13 -
HORIZONTAL
MEMBERS &
DETAILS

SCALE: AS INDICATED

PLAN #:

Z-098.01





SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnystd1@gmail.com



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

REVISIONS: DATE / NAME

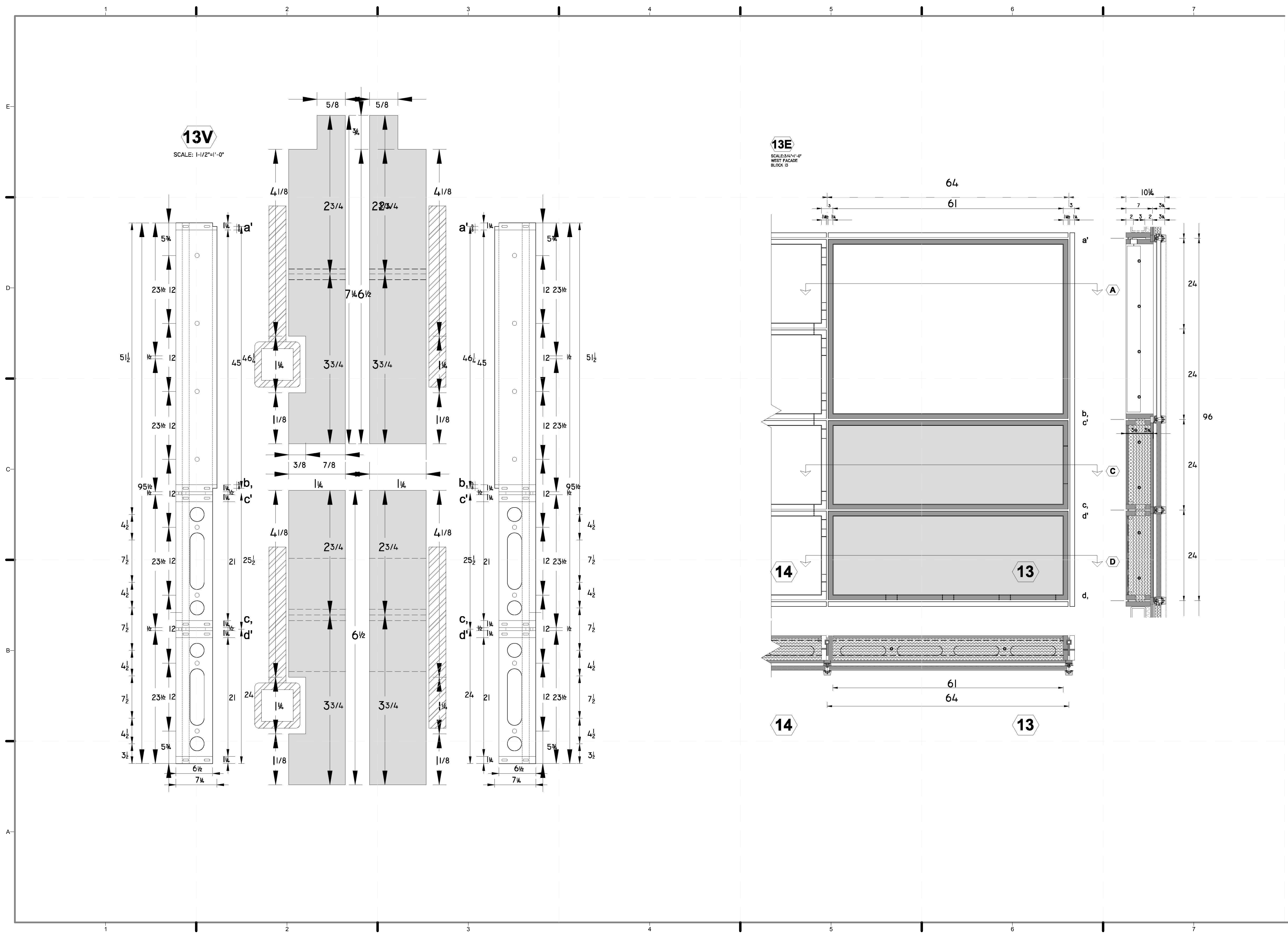
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 10:59:55 PM

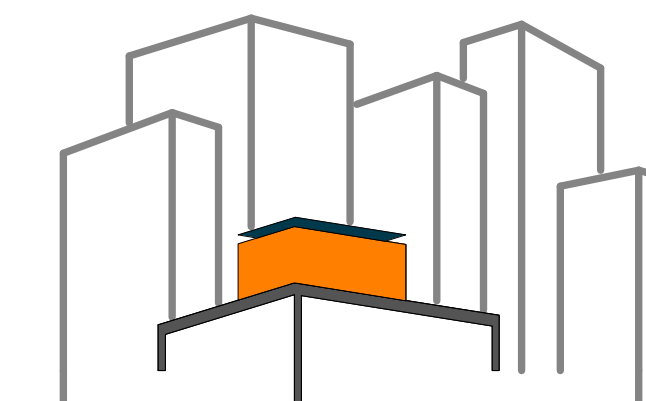
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
MODULE 13 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED
PLAN #:

Z-099.01





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 11:00:00 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

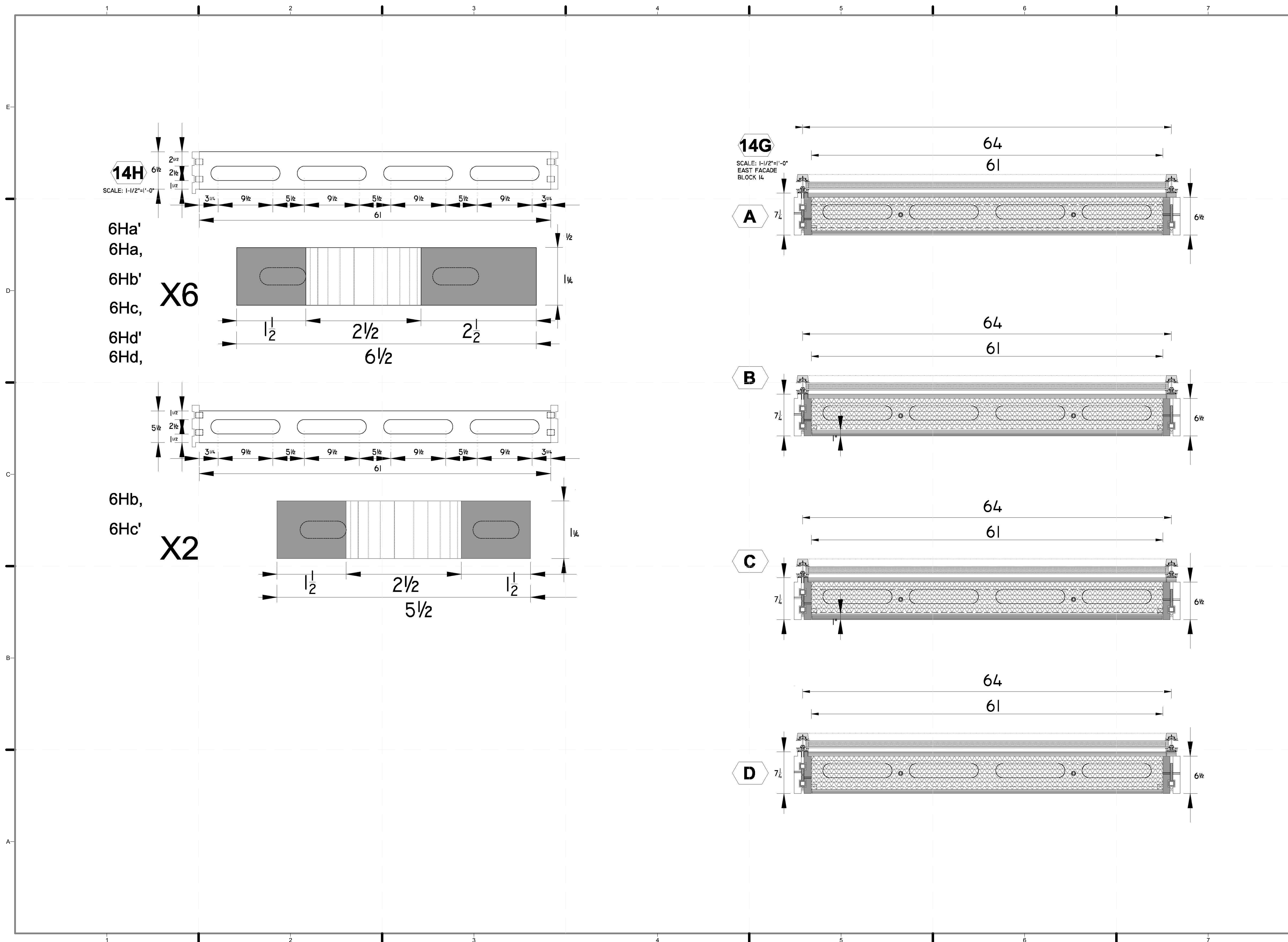
SHEET TITLE:

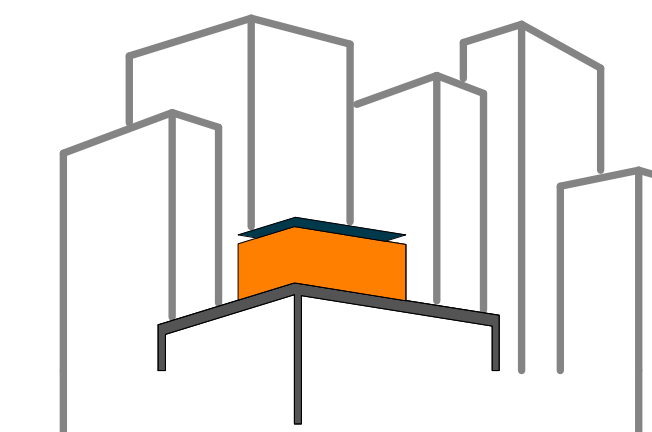
MODULE 14-
HORIZONTAL
MEMBERS &
DETAILS

SCALE: AS INDICATED

PLAN #:

Z-100.01





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

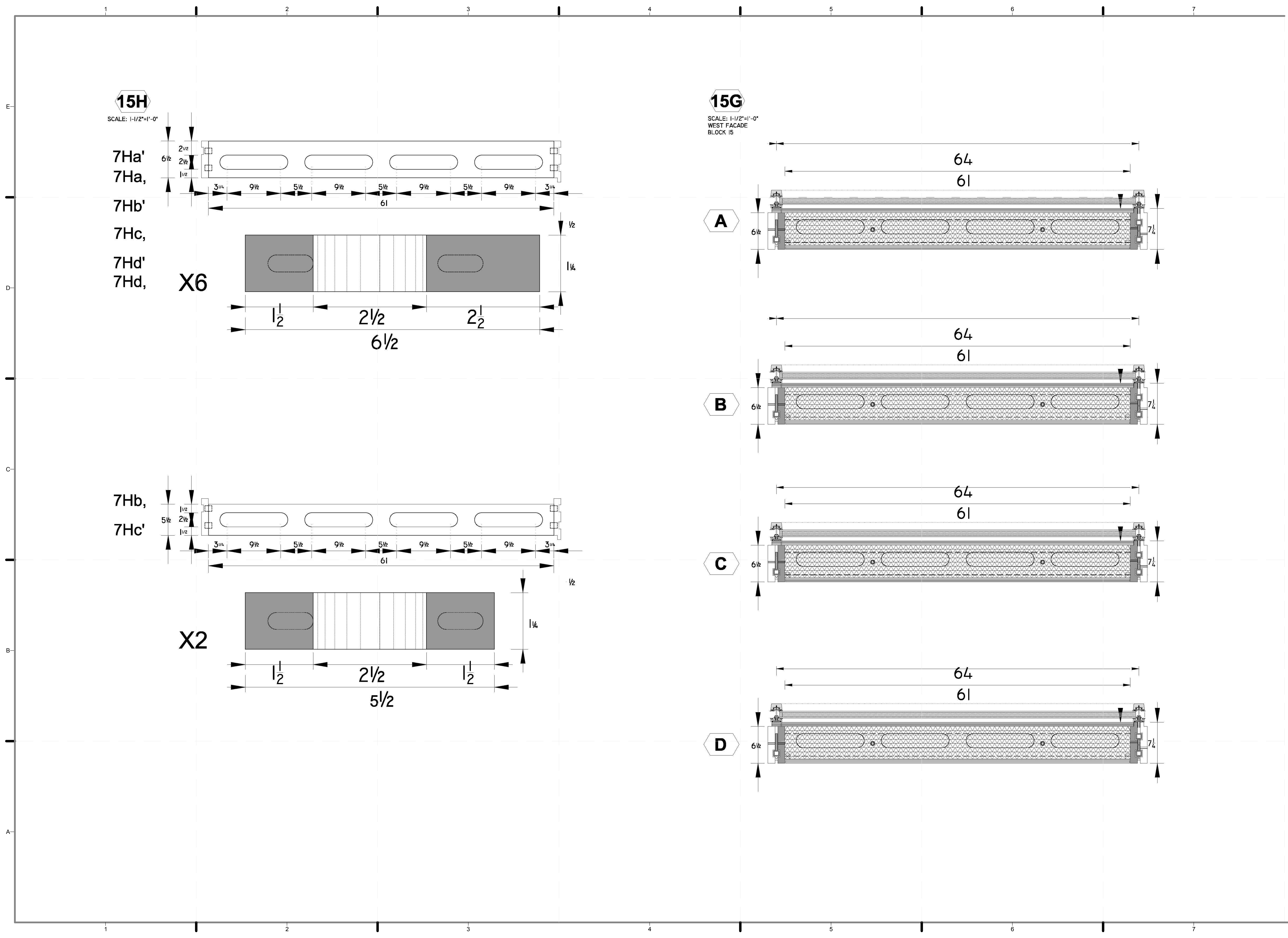
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 11:00:18 PM

2011 SOLAR DECATHLON AS BUILT CONSTRUCTION DOCUMENTS

SHEET TITLE:
MODULE 15 - HORIZONTAL MEMBERS & DETAILS

SCALE: **AS INDICATED**
PLAN #:

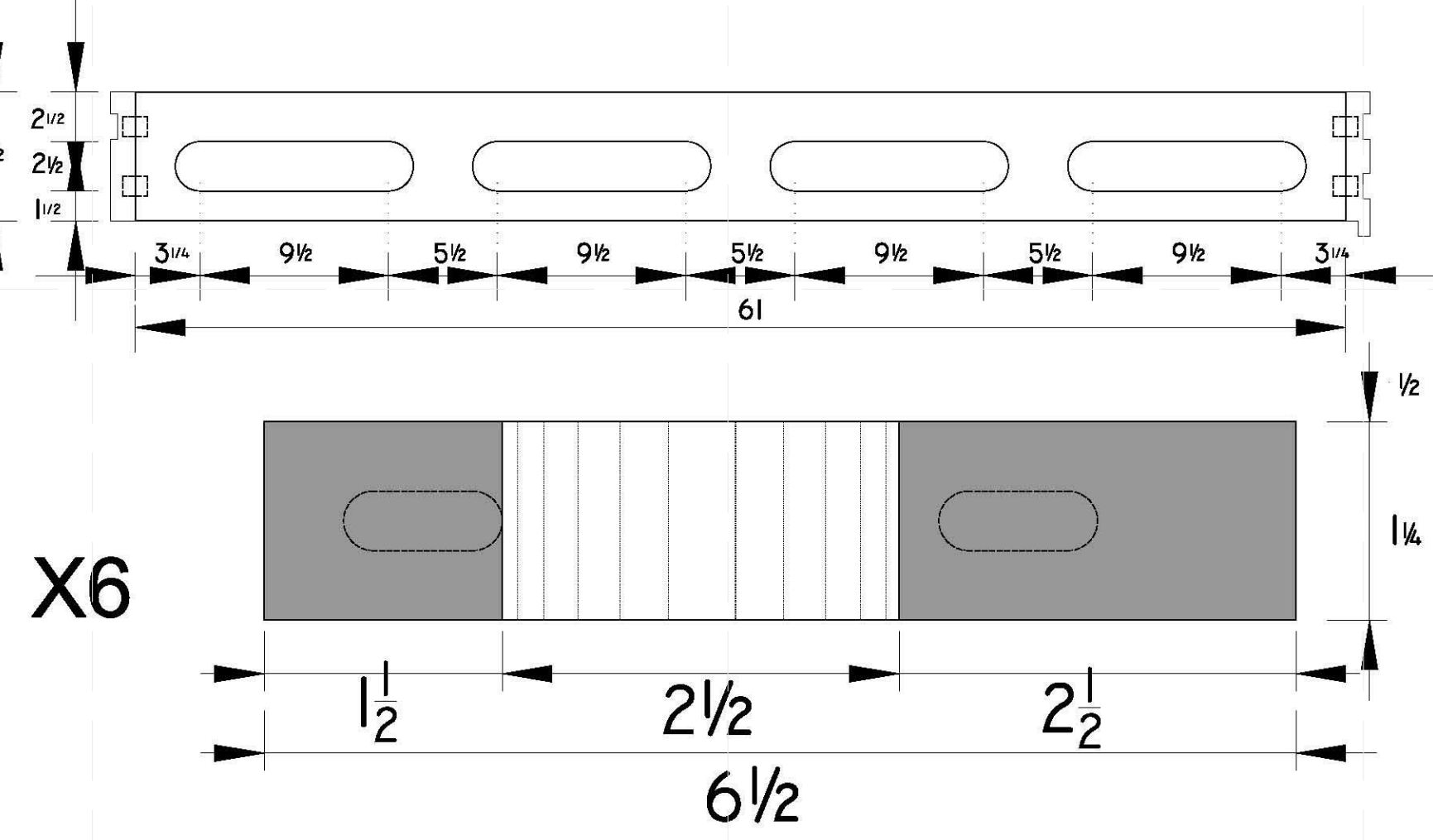
Z-102.01



15H

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

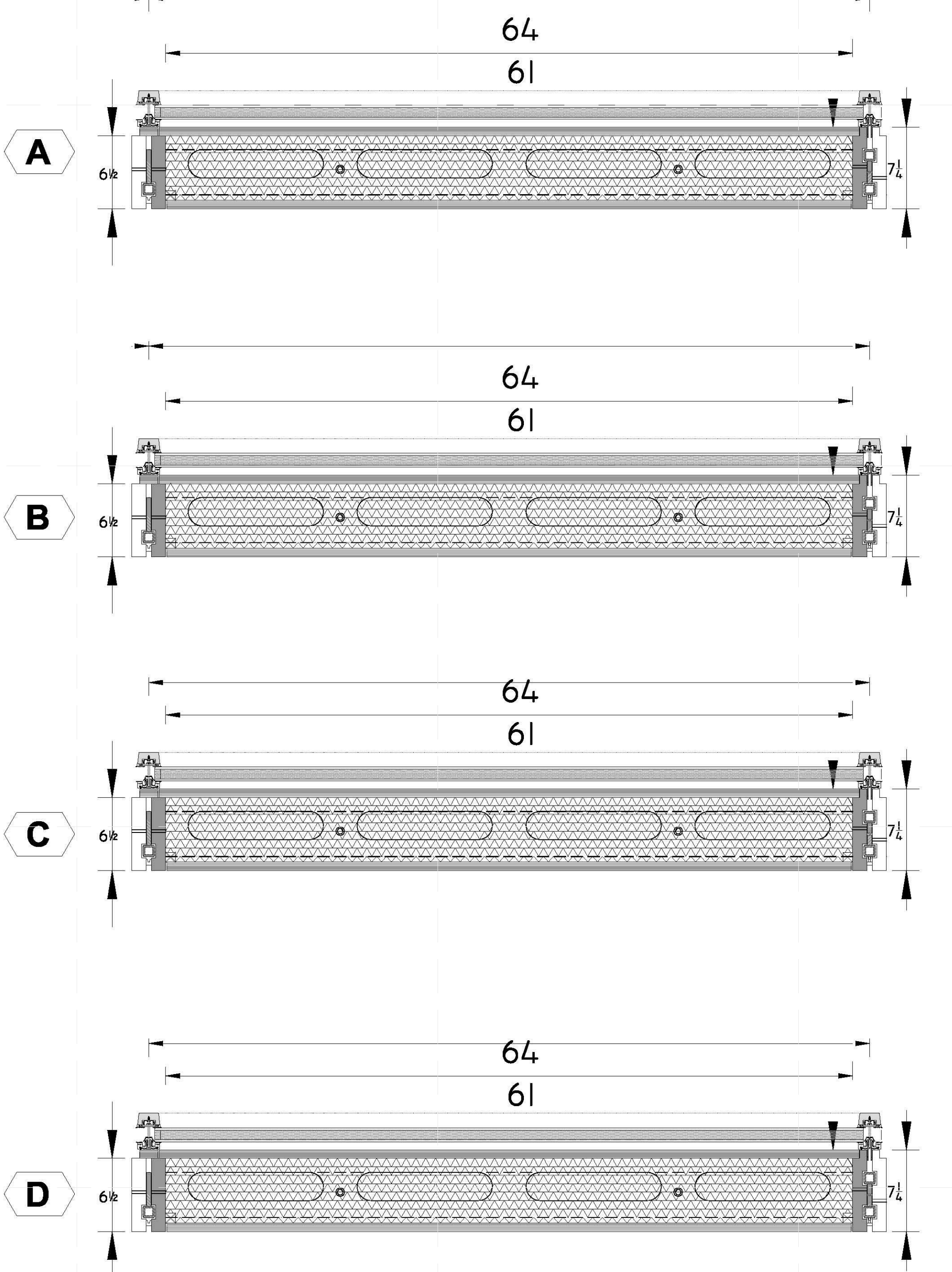
7Ha'
7Ha,
7Hb'
7Hc,
7Hd'
7Hd,



X6

15G

SCALE: 1-1/2"=1'-0"
WEST FACADE
BLOCK 15



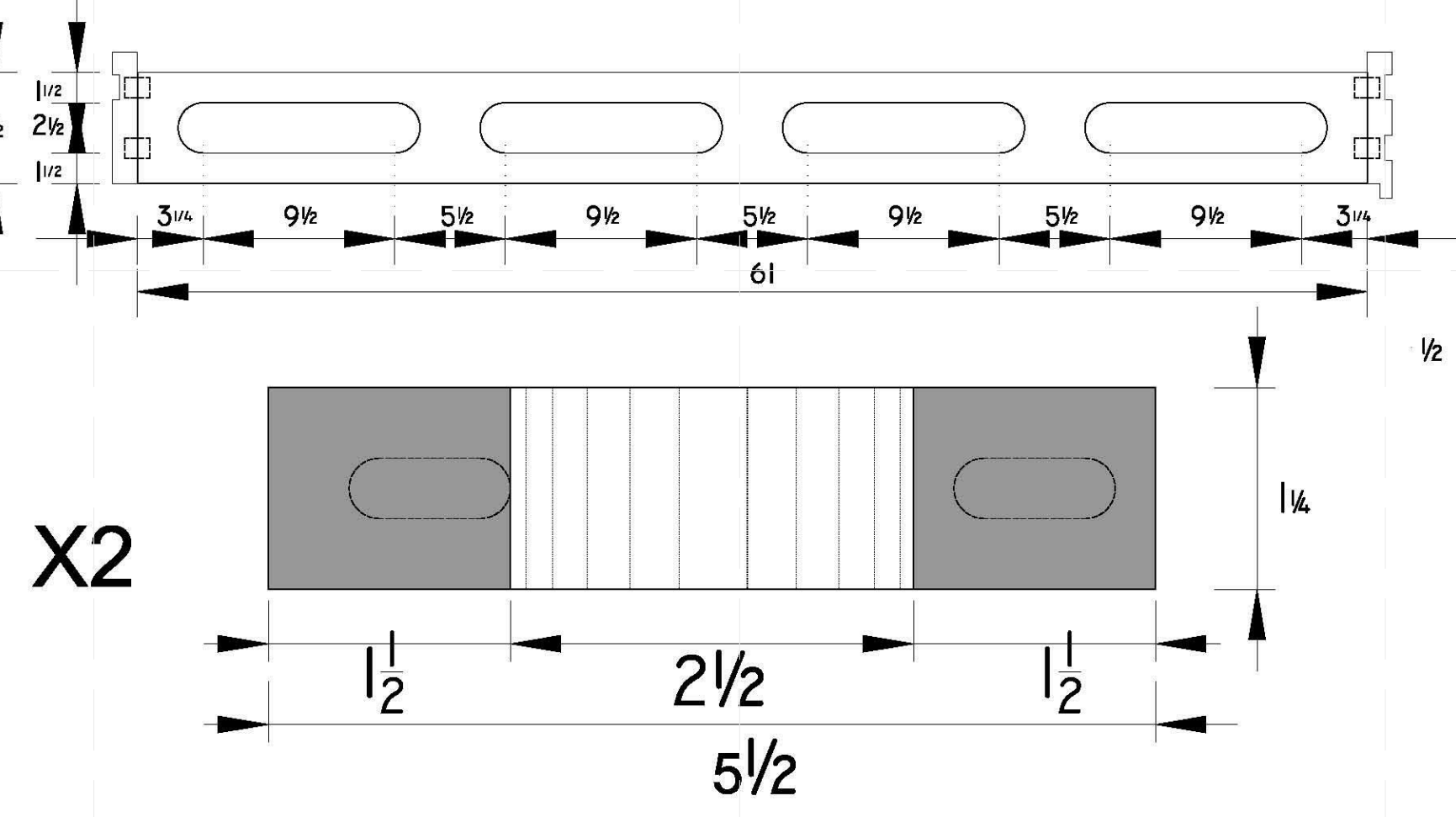
A

B

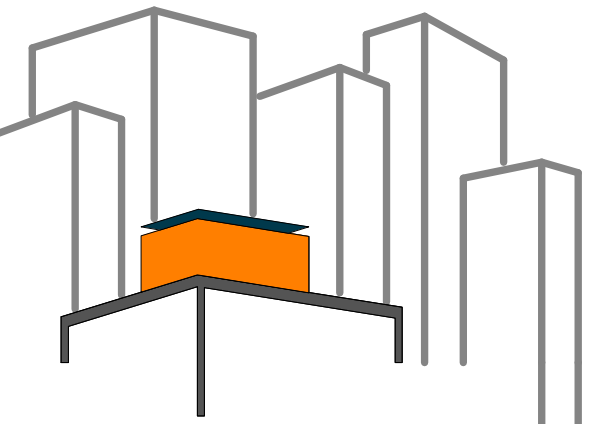
C

D

7Hb,
7Hc'



X2



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd1@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: JOHN VLAKAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 11:00:26 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

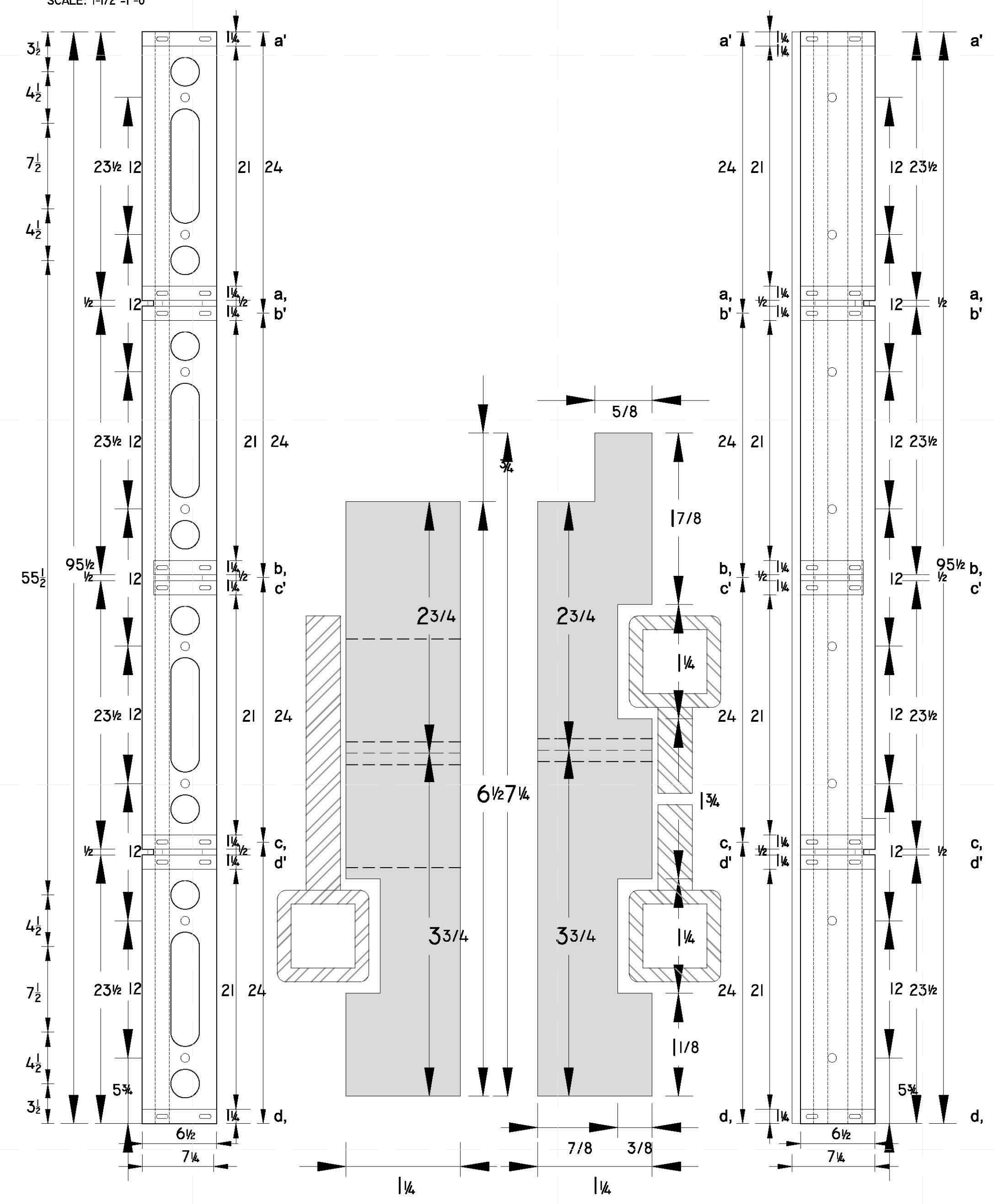
SHEET TITLE:
MODULE 15 -
VERTICAL
MEMBERS &
ELEVATION

SCALE: AS INDICATED

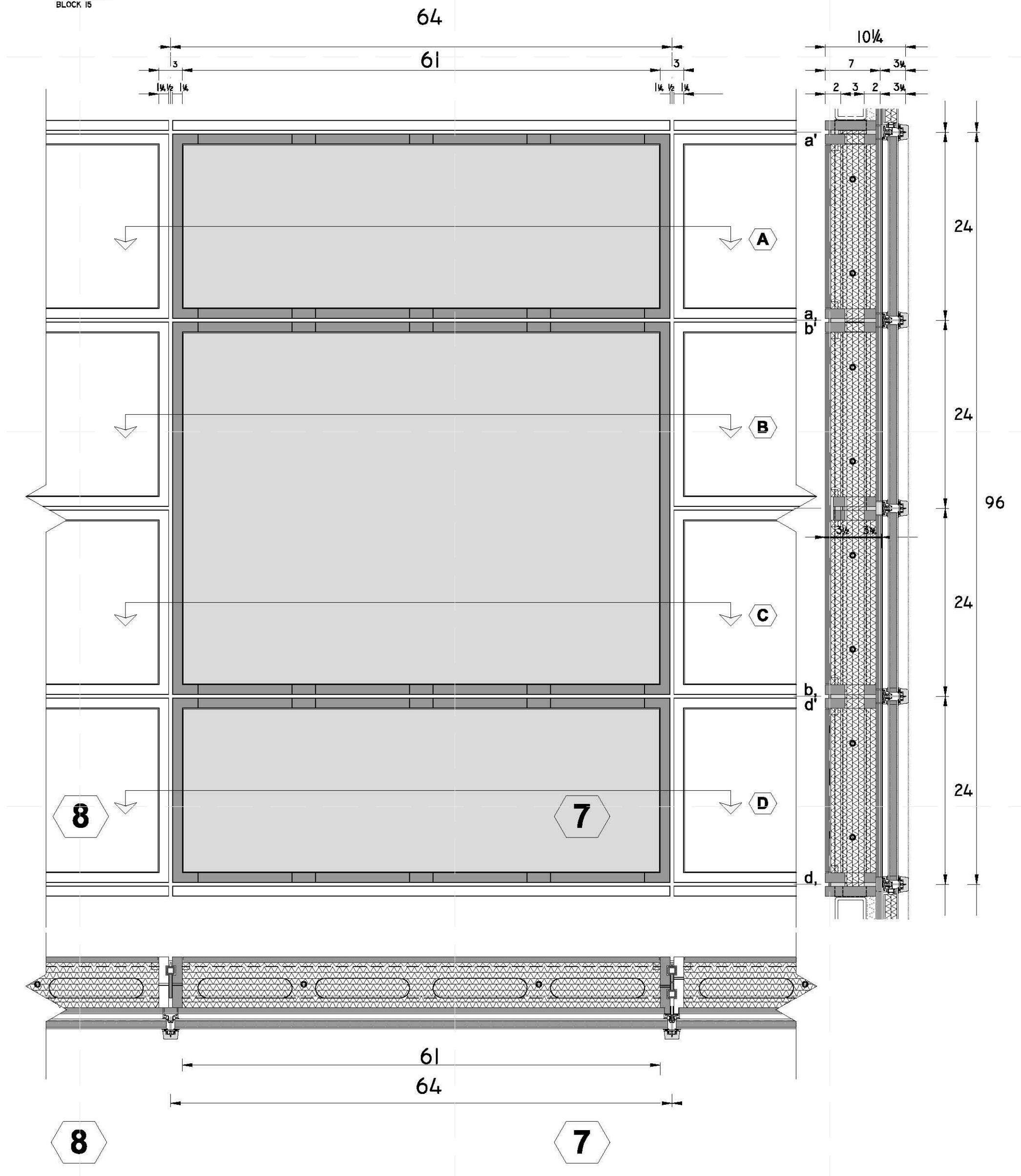
PLAN #:

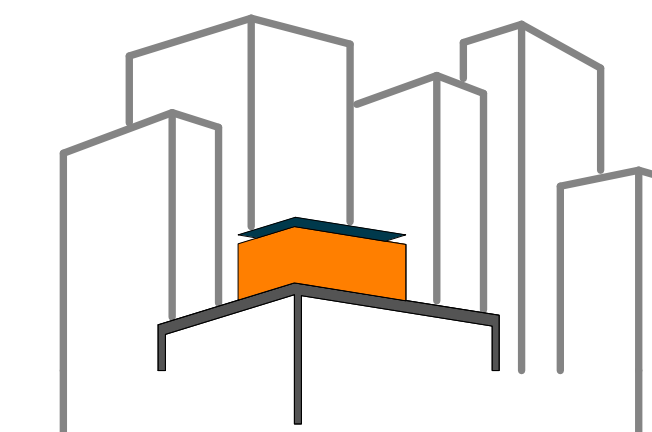
Z-103.01

15V
SCALE: 1/2"=1'-0"



15E
SCALE: 1/4"=1'-0"
WEST FACADE
BLOCK IS





SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

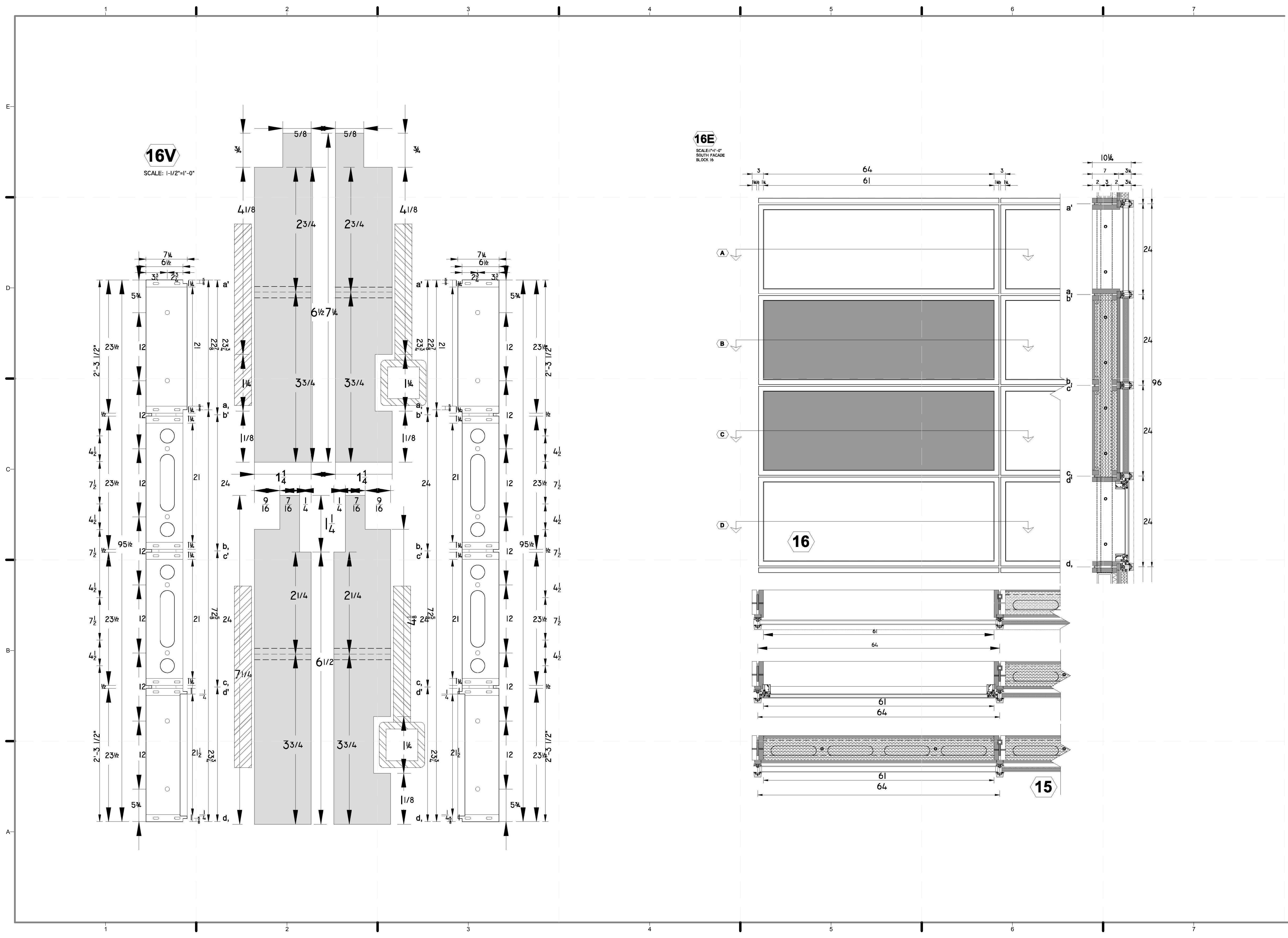
LOT NUMBER: 403
DRAWN BY: JOHN VLAHAKIS
CHECKED BY: CHRISTIAN VOLKMAN
DATE: 8/12/2011 11:00:34 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
**MODULE 16 -
VERTICAL
MEMBERS &
ELEVATION**

SCALE: AS INDICATED
PLAN #:

Z-104.01

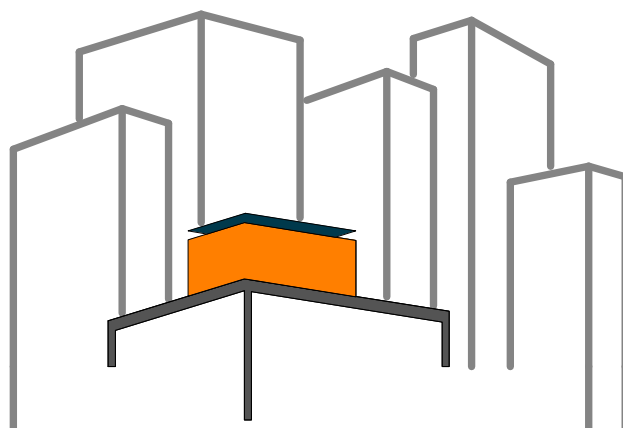


16V
SCALE: 1/12"=1'-0"

16E
SCALE: 1/12"=1'-0"
SOUTH FACADE
BLOCK 16

16

15



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: JOHN VLAHAKIS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 11:00:45 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

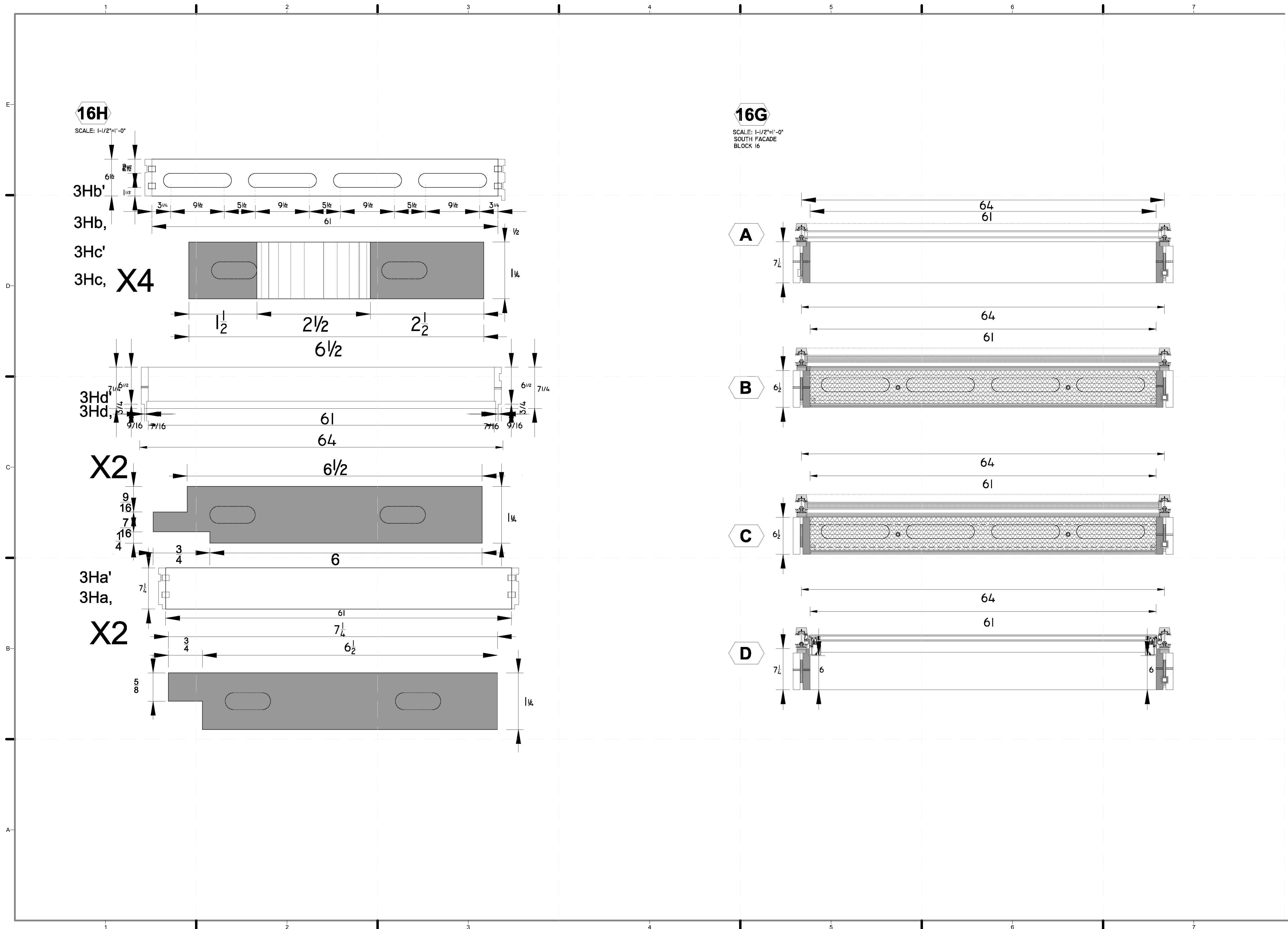
SHEET TITLE:

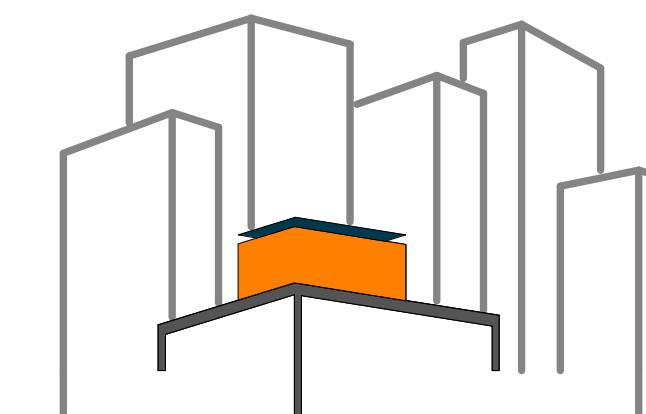
MODULE 16 -
HORIZONTAL
MEMBERS &
DETAILS

SCALE: AS INDICATED

PLAN #:

Z-105.01





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: YELISSA GRULLON

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 11:00:51 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

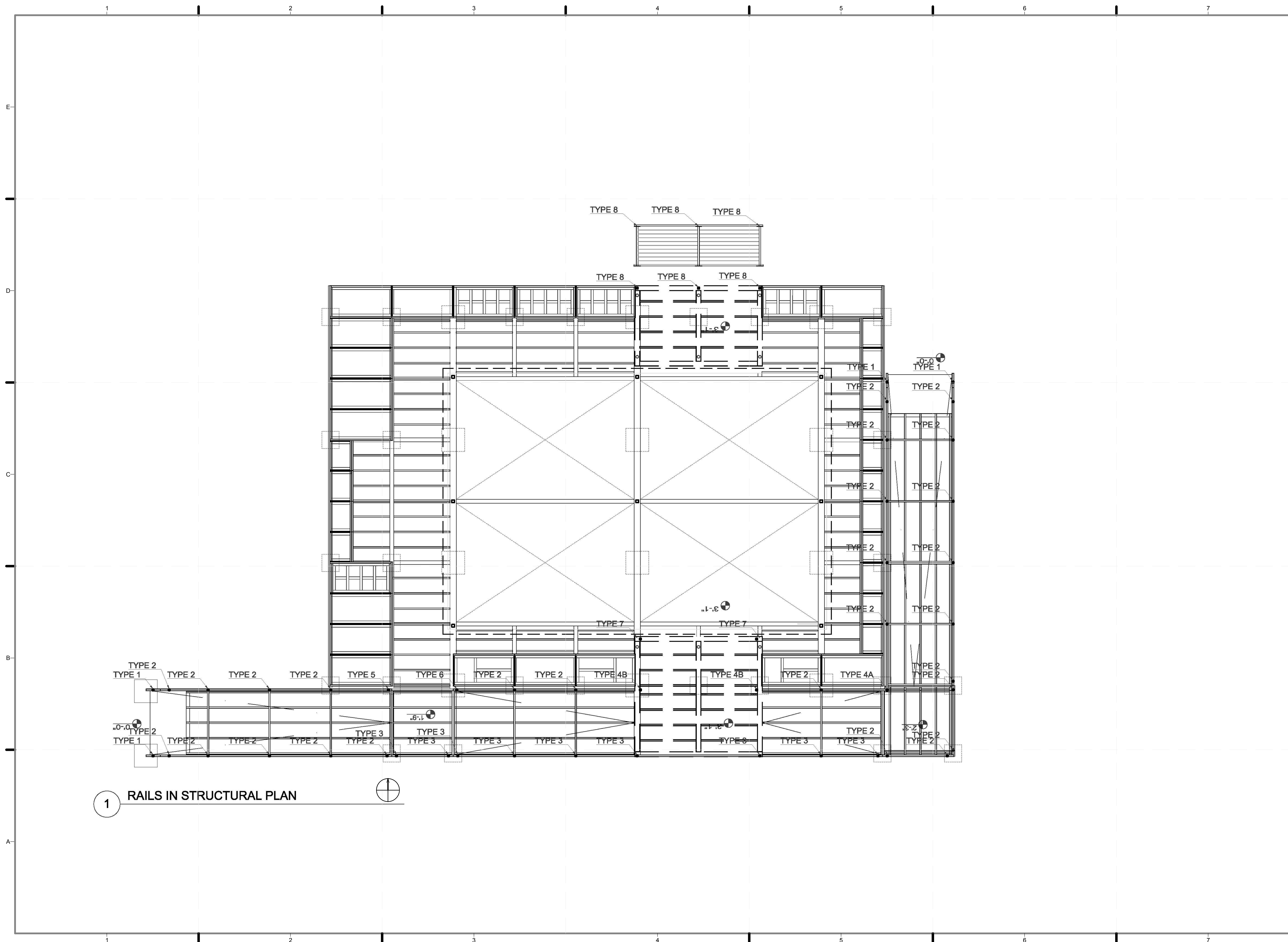
SHEET TITLE:

RAILING POST -
PLAN

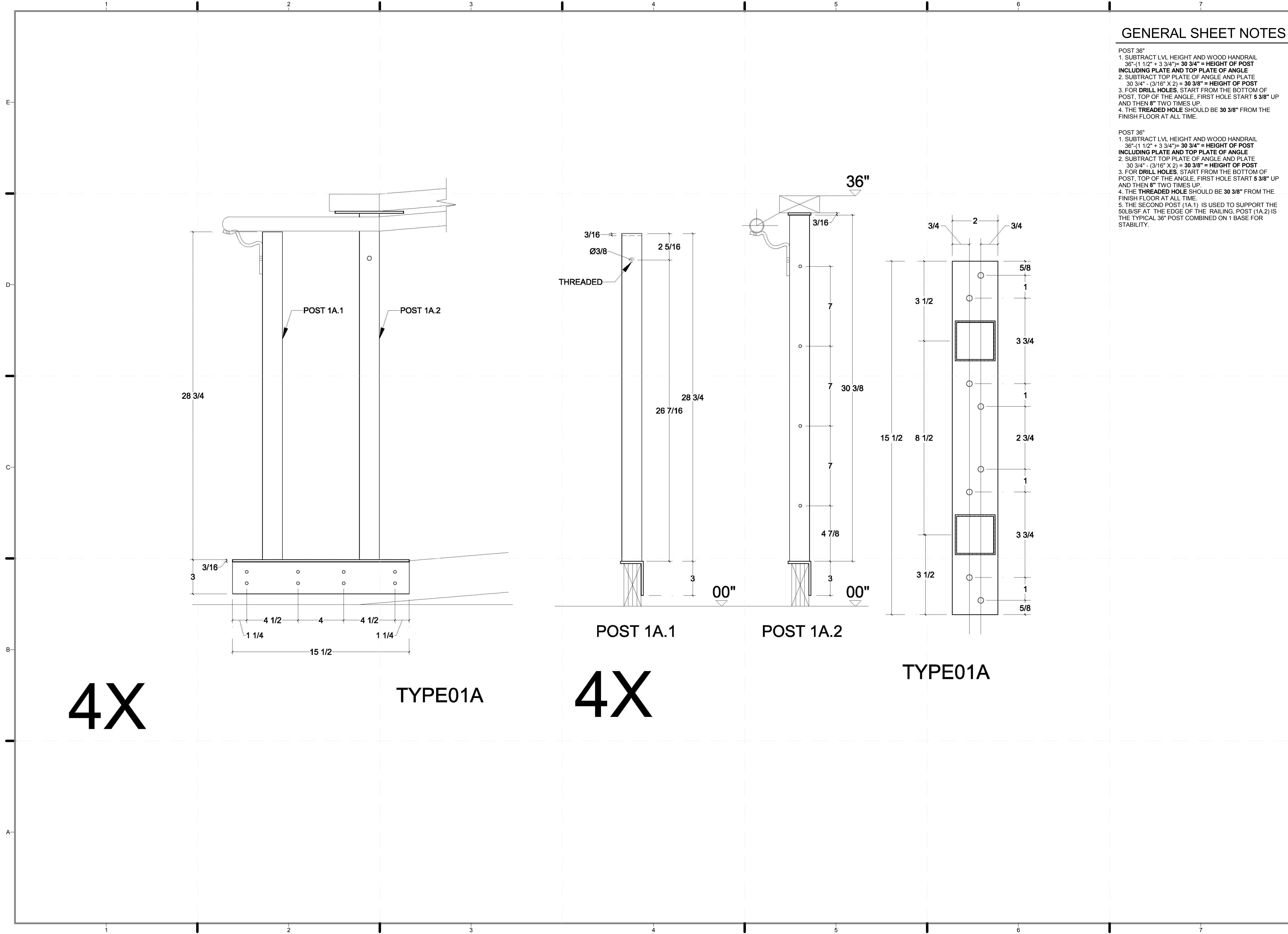
SCALE: AS INDICATED

PLAN #:

Z-111.01



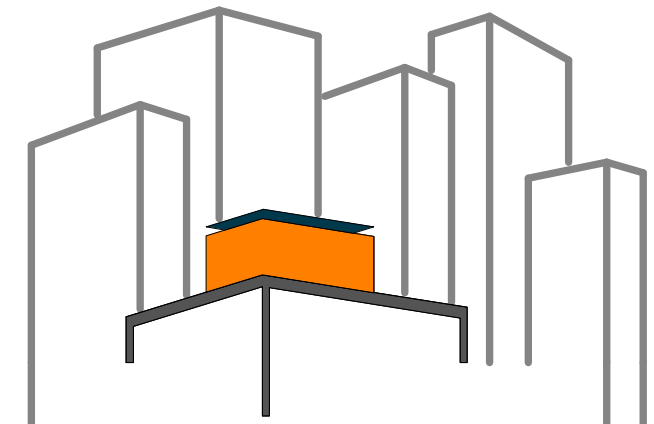
1 RAILS IN STRUCTURAL PLAN



GENERAL SHEET NOTES

POST 36"
 1. SUBTRACT LVL HEIGHT AND WOOD HANDRAIL
 $36" - (1 1/2" + 3 3/4") = 30 3/4" = \text{HEIGHT OF POST INCLUDING PLATE AND TOP PLATE OF ANGLE}$
 2. SUBTRACT TOP PLATE OF ANGLE AND PLATE
 $30 3/4" - (3/16" \times 2) = 30 3/8" = \text{HEIGHT OF POST}$
 3. FOR DRILL HOLES, START FROM THE BOTTOM OF POST, TOP OF THE ANGLE, FIRST HOLE START 5 3/8" UP AND THEN 8" TWO TIMES UP.
 4. THE TREADED HOLE SHOULD BE 30 3/8" FROM THE FINISH FLOOR AT ALL TIME.

POST 36"
 1. SUBTRACT LVL HEIGHT AND WOOD HANDRAIL
 $36" - (1 1/2" + 3 3/4") = 30 3/4" = \text{HEIGHT OF POST INCLUDING PLATE AND TOP PLATE OF ANGLE}$
 2. SUBTRACT TOP PLATE OF ANGLE AND PLATE
 $30 3/4" - (3/16" \times 2) = 30 3/8" = \text{HEIGHT OF POST}$
 3. FOR DRILL HOLES, START FROM THE BOTTOM OF POST, TOP OF THE ANGLE, FIRST HOLE START 5 3/8" UP AND THEN 8" TWO TIMES UP.
 4. THE TREADED HOLE SHOULD BE 30 3/8" FROM THE FINISH FLOOR AT ALL TIME.
 5. THE SECOND POST (1A.1) IS USED TO SUPPORT THE 60LB/SF AT THE EDGE OF THE RAILING. POST (1A.2) IS THE TYPICAL 36" POST COMBINED ON 1 BASE FOR STABILITY.



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
 DRAWN BY: MICHAEL CHENG
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 11:00:58 PM

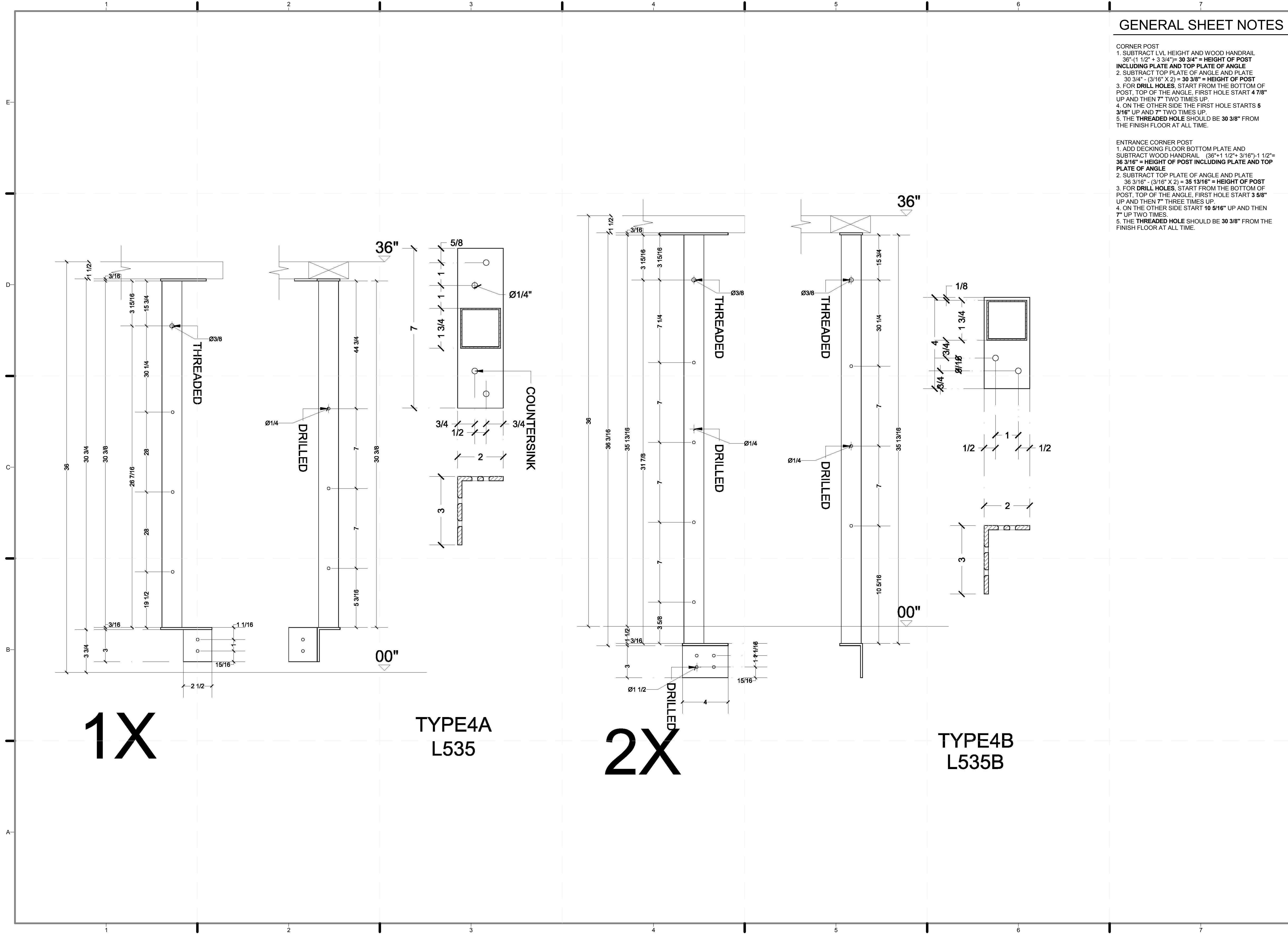
2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 RAILING POST -
 TYPE 1

SCALE: AS INDICATED

PLAN #:

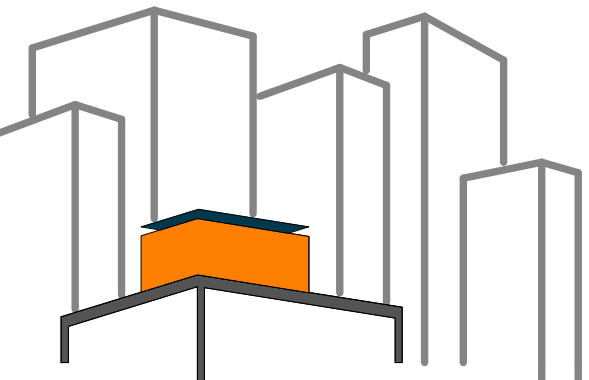
Z-112.01



GENERAL SHEET NOTES

CORNER POST
 1. SUBTRACT LVL HEIGHT AND WOOD HANDRAIL
 $36" - (1 \frac{1}{2}" + 3 \frac{3}{4}") = 30 \frac{3}{4}" = \text{HEIGHT OF POST INCLUDING PLATE AND TOP PLATE OF ANGLE}$
 2. SUBTRACT TOP PLATE OF ANGLE AND PLATE
 $30 \frac{3}{4}" - (3 \frac{1}{16}" \times 2) = 30 \frac{3}{8}" = \text{HEIGHT OF POST}$
 3. FOR DRILL HOLES, START FROM THE BOTTOM OF POST, TOP OF THE ANGLE, FIRST HOLE START 4 $\frac{7}{16}"$ UP AND THEN 7" TWO TIMES UP.
 4. ON THE OTHER SIDE THE FIRST HOLE STARTS 5 $\frac{3}{16}"$ UP AND 7" TWO TIMES UP.
 5. THE THREADED HOLE SHOULD BE 30 $\frac{3}{8}"$ FROM THE FINISH FLOOR AT ALL TIME.

ENTRANCE CORNER POST
 1. ADD DECKING FLOOR BOTTOM PLATE AND SUBTRACT WOOD HANDRAIL $(36" + 1 \frac{1}{2}" + 3 \frac{1}{16}" - 1 \frac{1}{2}" = 36 \frac{3}{16}" = \text{HEIGHT OF POST INCLUDING PLATE AND TOP PLATE OF ANGLE}$
 2. SUBTRACT TOP PLATE OF ANGLE AND PLATE
 $36 \frac{3}{16}" - (3 \frac{1}{16}" \times 2) = 35 \frac{13}{16}" = \text{HEIGHT OF POST}$
 3. FOR DRILL HOLES, START FROM THE BOTTOM OF POST, TOP OF THE ANGLE, FIRST HOLE START 3 $\frac{5}{8}"$ UP AND THEN 7" THREE TIMES UP.
 4. ON THE OTHER SIDE START 10 $\frac{5}{16}"$ UP AND THEN 7" UP TWO TIMES.
 5. THE THREADED HOLE SHOULD BE 30 $\frac{3}{8}"$ FROM THE FINISH FLOOR AT ALL TIME.



SOLAR ROOF POD
 www.ccnysolardecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

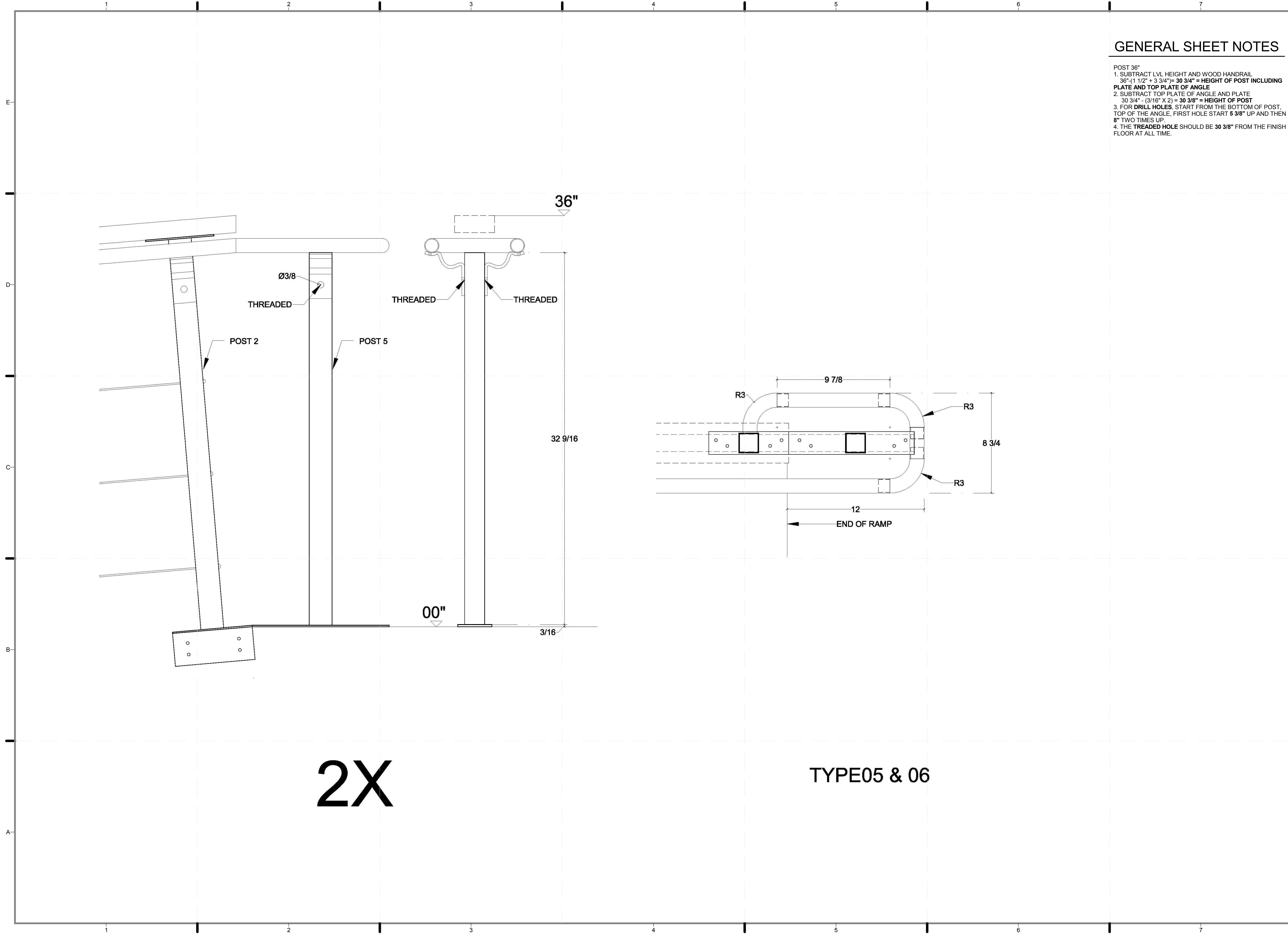
LOT NUMBER: 403
 DRAWN BY: YELISSA GRULLON
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 11:01:10 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 RAILING POST -
 TYPE 4A & 4B

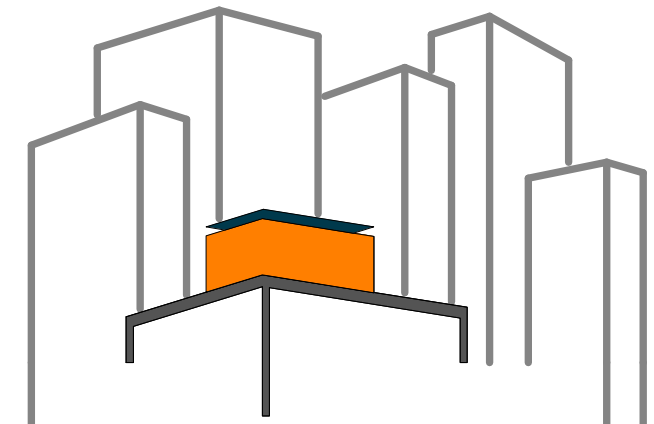
SCALE: AS INDICATED
 PLAN #:

Z-114.01



GENERAL SHEET NOTES

- POST 36"
 1. SUBTRACT LVL HEIGHT AND WOOD HANDRAIL
 $36" - (1\ 1/2" + 3\ 3/4") = 30\ 3/4" = \text{HEIGHT OF POST INCLUDING PLATE AND TOP PLATE OF ANGLE}$
 2. SUBTRACT TOP PLATE OF ANGLE AND PLATE
 $30\ 3/4" - (3/16" \times 2) = 30\ 3/8" = \text{HEIGHT OF POST}$
 3. FOR DRILL HOLES, START FROM THE BOTTOM OF POST, TOP OF THE ANGLE, FIRST HOLE START 5 3/8" UP AND THEN 8" TWO TIMES UP.
 4. THE TREADED HOLE SHOULD BE 30 3/8" FROM THE FINISH FLOOR AT ALL TIME.



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
 ccnyd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
 DRAWN BY: ALEX GUREVICH
 CHECKED BY: CHRISTIAN VOLKMAN
 DATE: 8/12/2011 11:01:17 PM

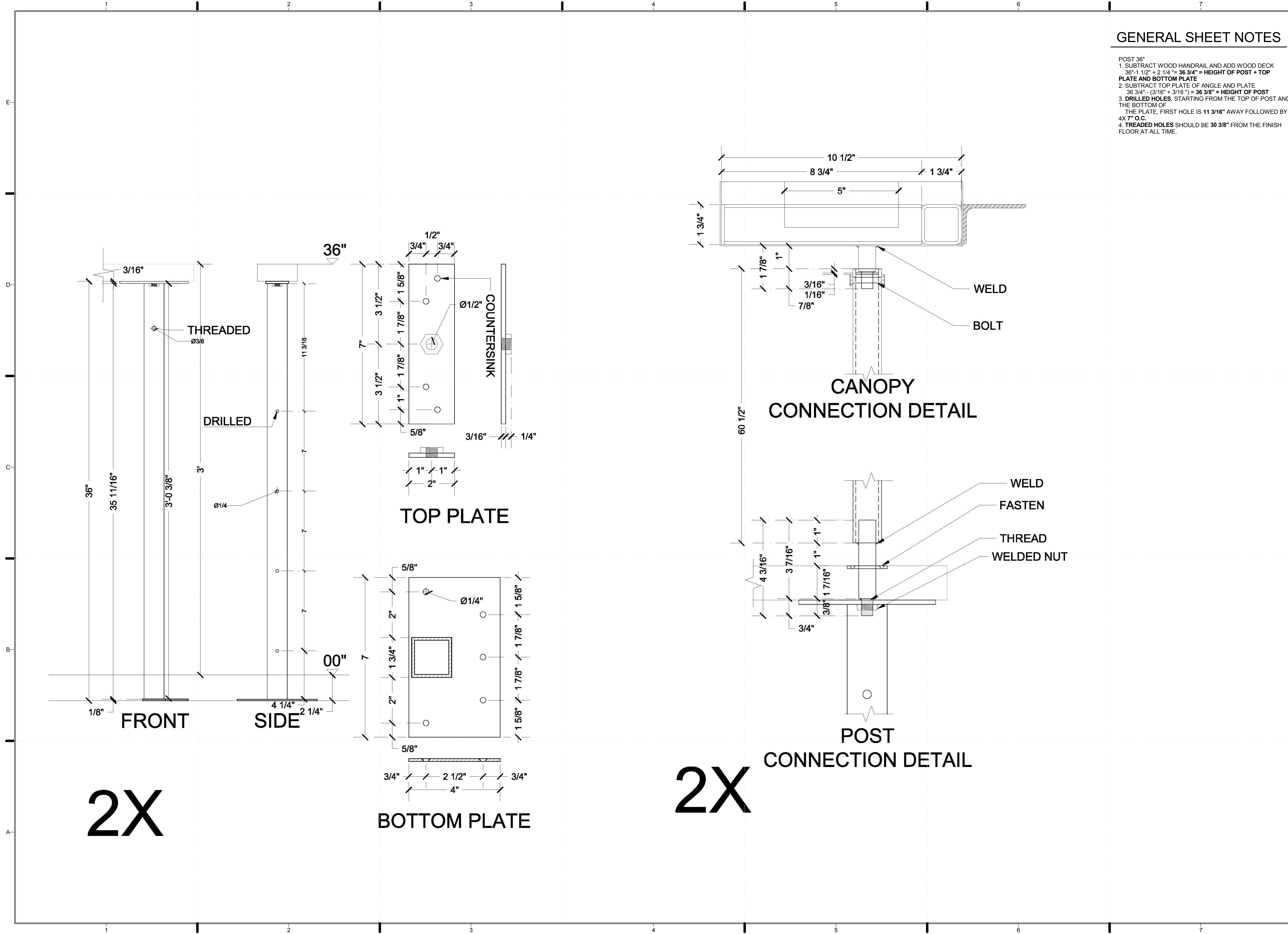
2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 RAILING POST -
 TYPE 5 & 6

SCALE: AS INDICATED

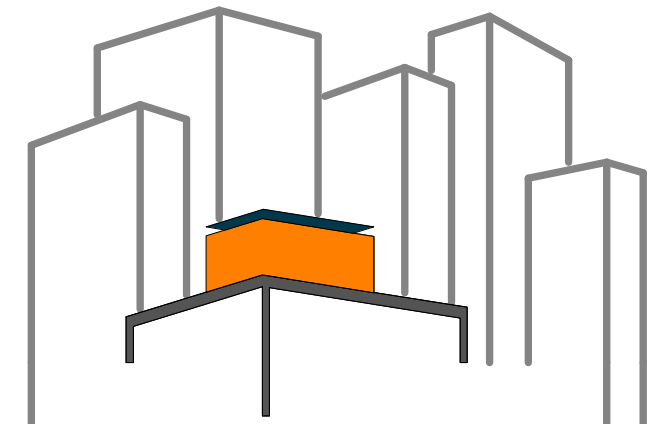
PLAN #:

Z-115.01



GENERAL SHEET NOTES

- POST 36"
- 1. SUBTRACT WOOD HANDRAIL AND ADD WOOD DECK
 $36"-1\ 1/2" + 2\ 1/4" = 36\ 3/4" = \text{HEIGHT OF POST + TOP PLATE AND BOTTOM PLATE}$
- 2. SUBTRACT TOP PLATE OF ANGLE AND PLATE
 $36\ 3/4" - (3/16" + 3/16") = 36\ 3/8" = \text{HEIGHT OF POST}$
- 3. DRILLED HOLES, STARTING FROM THE TOP OF POST AND THE BOTTOM OF THE PLATE, FIRST HOLE IS 11 3/16" AWAY FOLLOWED BY 4X 7" O.C.
- 4. TREADED HOLES SHOULD BE 30 3/8" FROM THE FINISH FLOOR AT ALL TIME.



SOLAR ROOF POD
 www.ccnySolarDecathlon.com

TEAM NEW YORK
 SPITZER SCHOOL OF ARCHITECTURE
 GROVE SCHOOL OF ENGINEERING
 141 CONVENT AVE RM#2M18
 NEW YORK NY 10031
 TEL: (212)-650-8737
 ccnySD11@gmail.com



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

REVISIONS: DATE / NAME

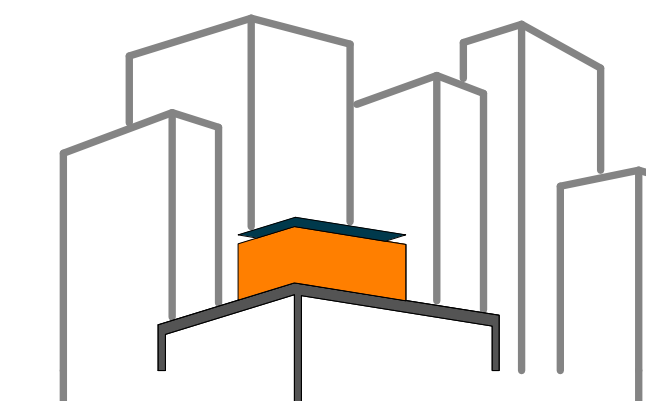
LOT NUMBER: 403
 DRAWN BY: MARY DOUMAS
 CHECKED BY: CHRISTIAN VOLKMANN
 DATE: 8/12/2011 11:01:23 PM

2011
 SOLAR DECATHLON
 AS BUILT CONSTRUCTION
 DOCUMENTS

SHEET TITLE:
 RAILING POST -
 TYPE 7

SCALE: AS INDICATED
 PLAN #:

Z-116.01



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: TEICHA VILLEGAS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 11:01:36 PM

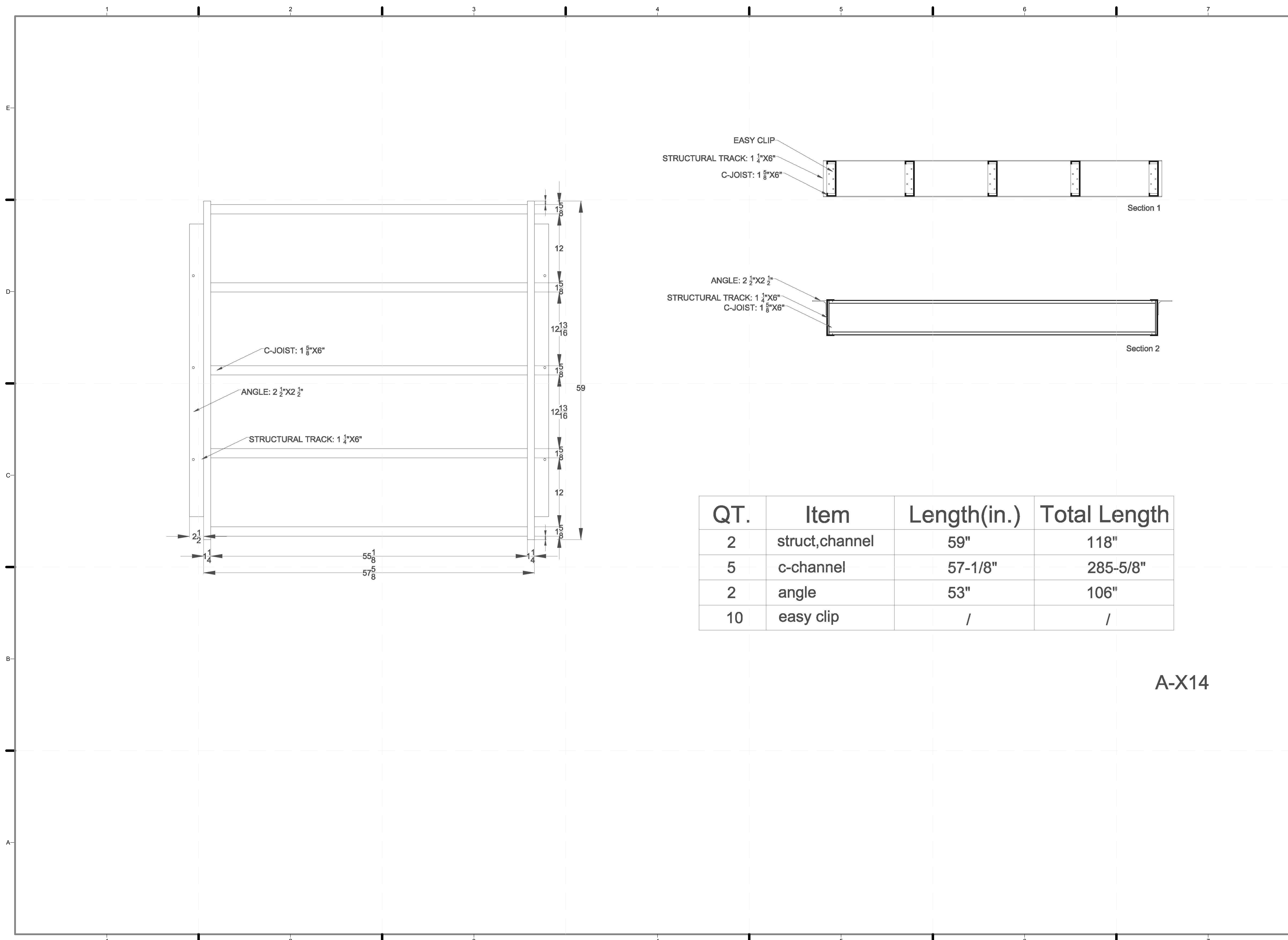
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
LANDSCAPE -
HARDSCAPE A

SCALE: AS INDICATED

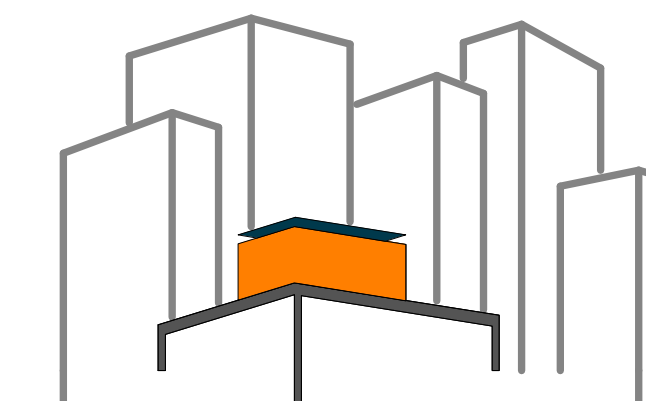
PLAN #:

Z-121.01



QT.	Item	Length(in.)	Total Length
2	struct,channel	59"	118"
5	c-channel	57-1/8"	285-5/8"
2	angle	53"	106"
10	easy clip	/	/

A-X14



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: TEICHA VILLEGAS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 11:01:41 PM

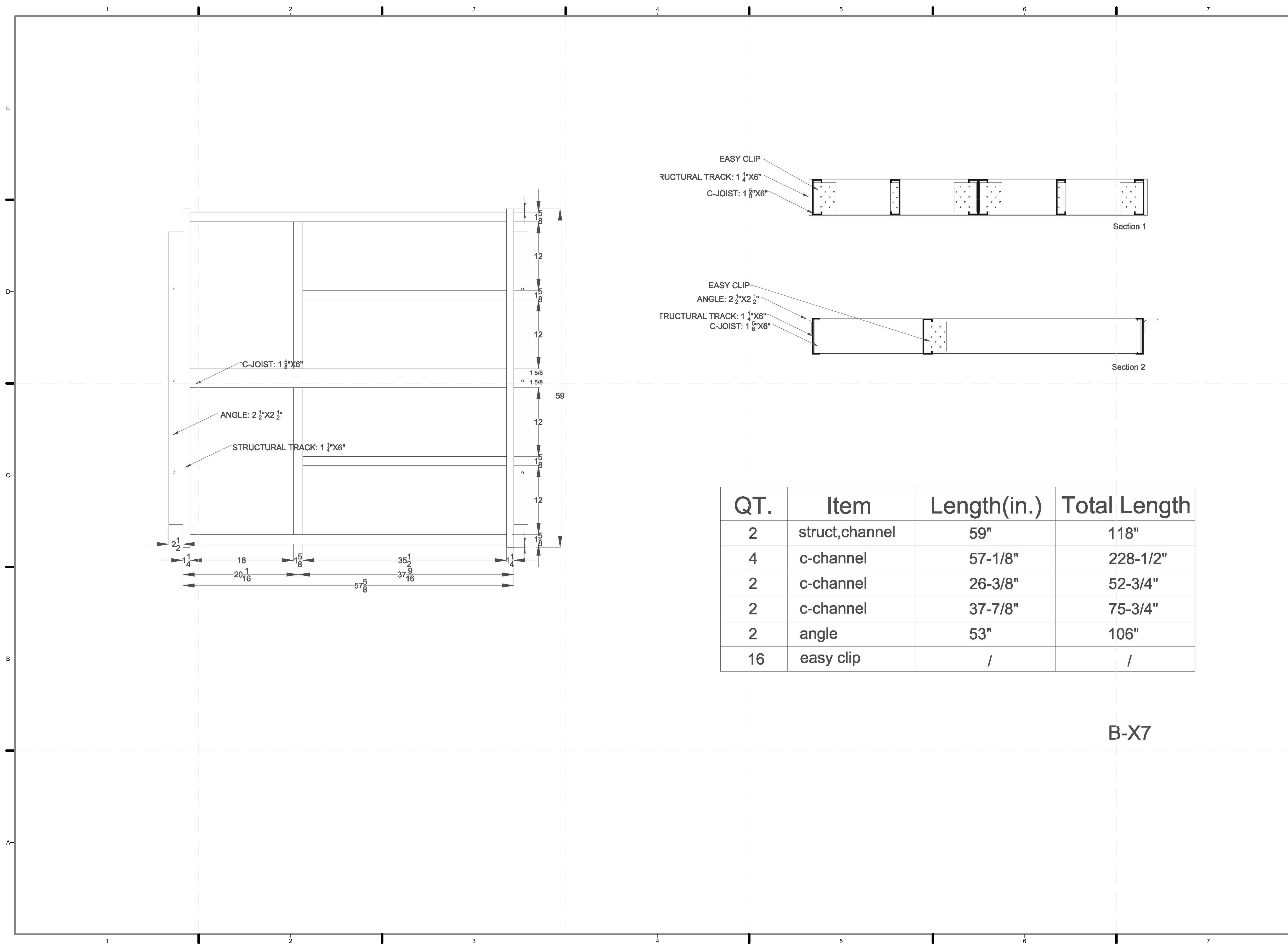
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
LANDSCAPE -
TYPICAL B MODULE

SCALE: Approver

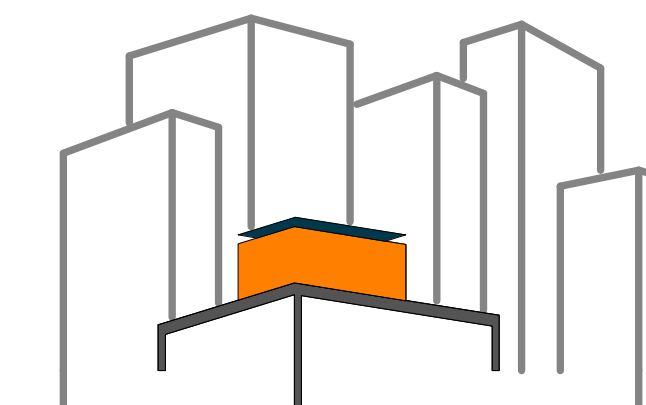
PLAN #:

Z-122.01



QT.	Item	Length(in.)	Total Length
2	struct,channel	59"	118"
4	c-channel	57-1/8"	228-1/2"
2	c-channel	26-3/8"	52-3/4"
2	c-channel	37-7/8"	75-3/4"
2	angle	53"	106"
16	easy clip	/	/

B-X7



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: TEICHA VILLEGAS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 11:01:48 PM

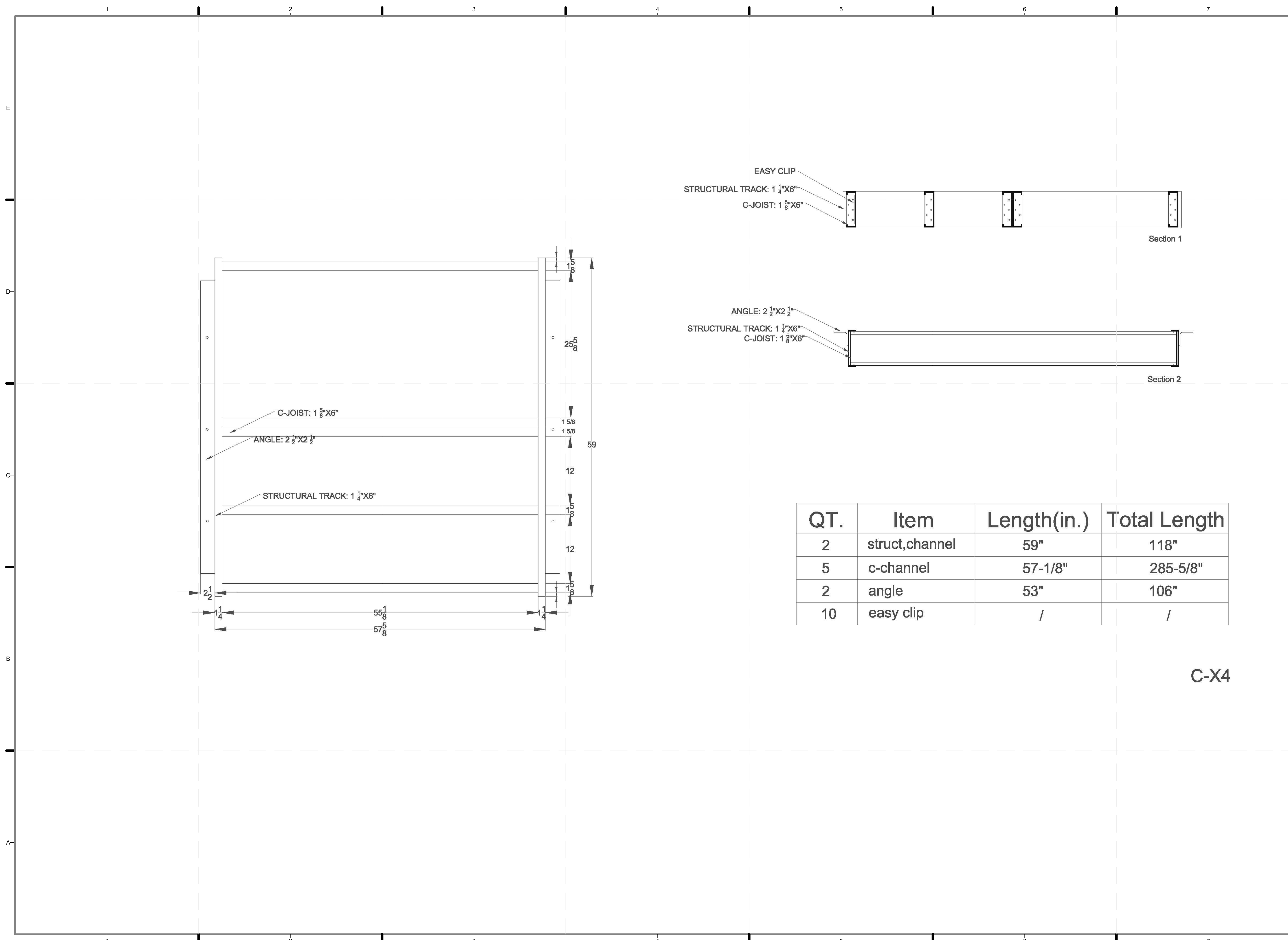
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
LANDSCAPE -
TYPICAL C MODULE

SCALE: **AS INDICATED**

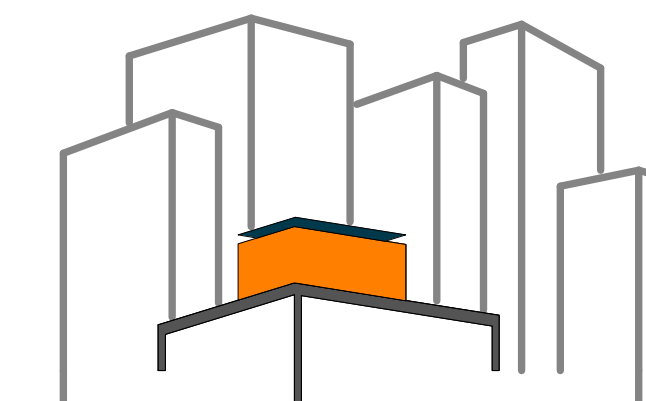
PLAN #:

Z-123.01



QT.	Item	Length(in.)	Total Length
2	struct,channel	59"	118"
5	c-channel	57-1/8"	285-5/8"
2	angle	53"	106"
10	easy clip	/	/

C-X4



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: TEICHA VILLEGAS

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 11:01:55 PM

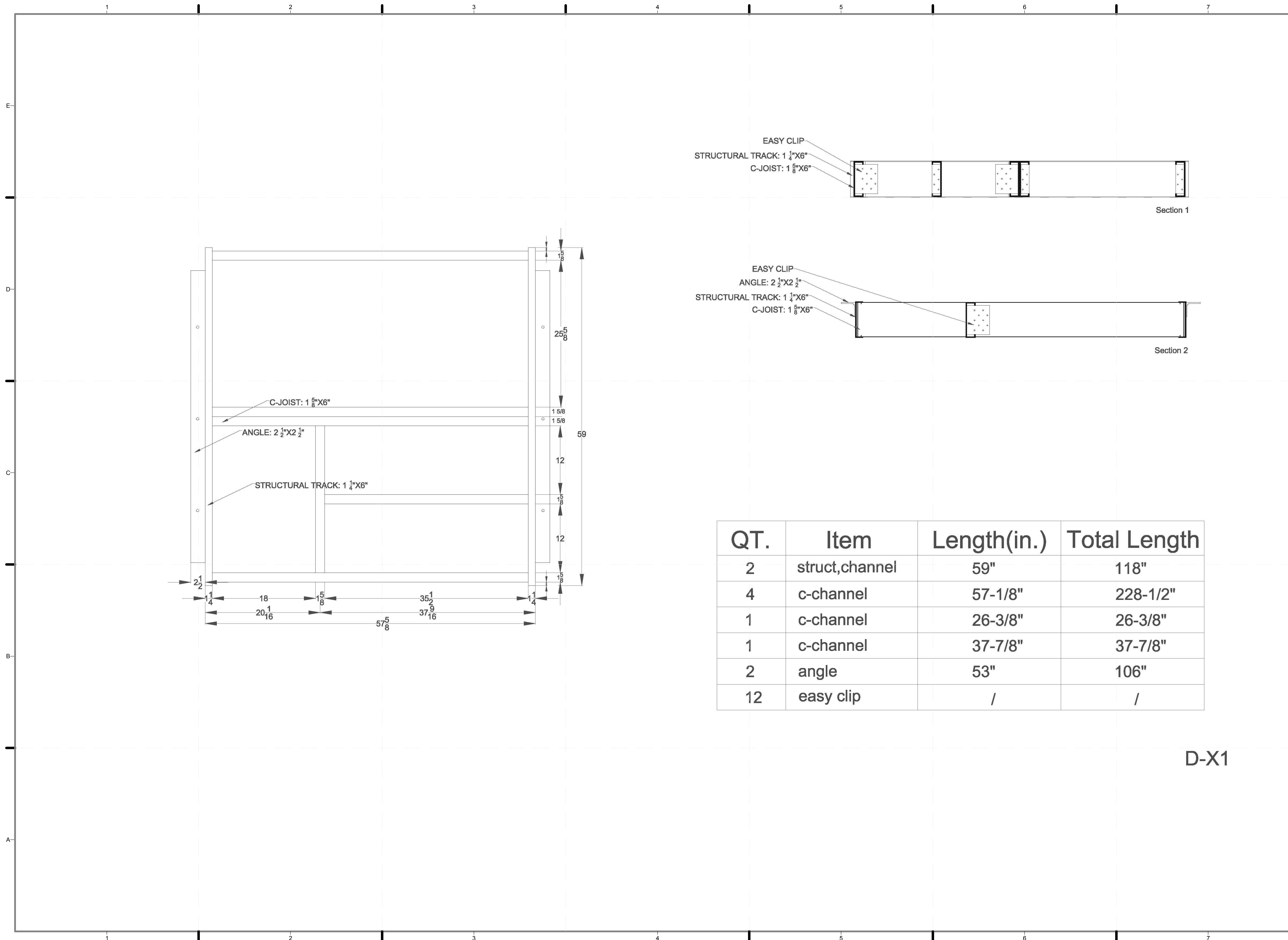
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
LANDSCAPE -
TYPICAL D MODULE

SCALE: AS INDICATED

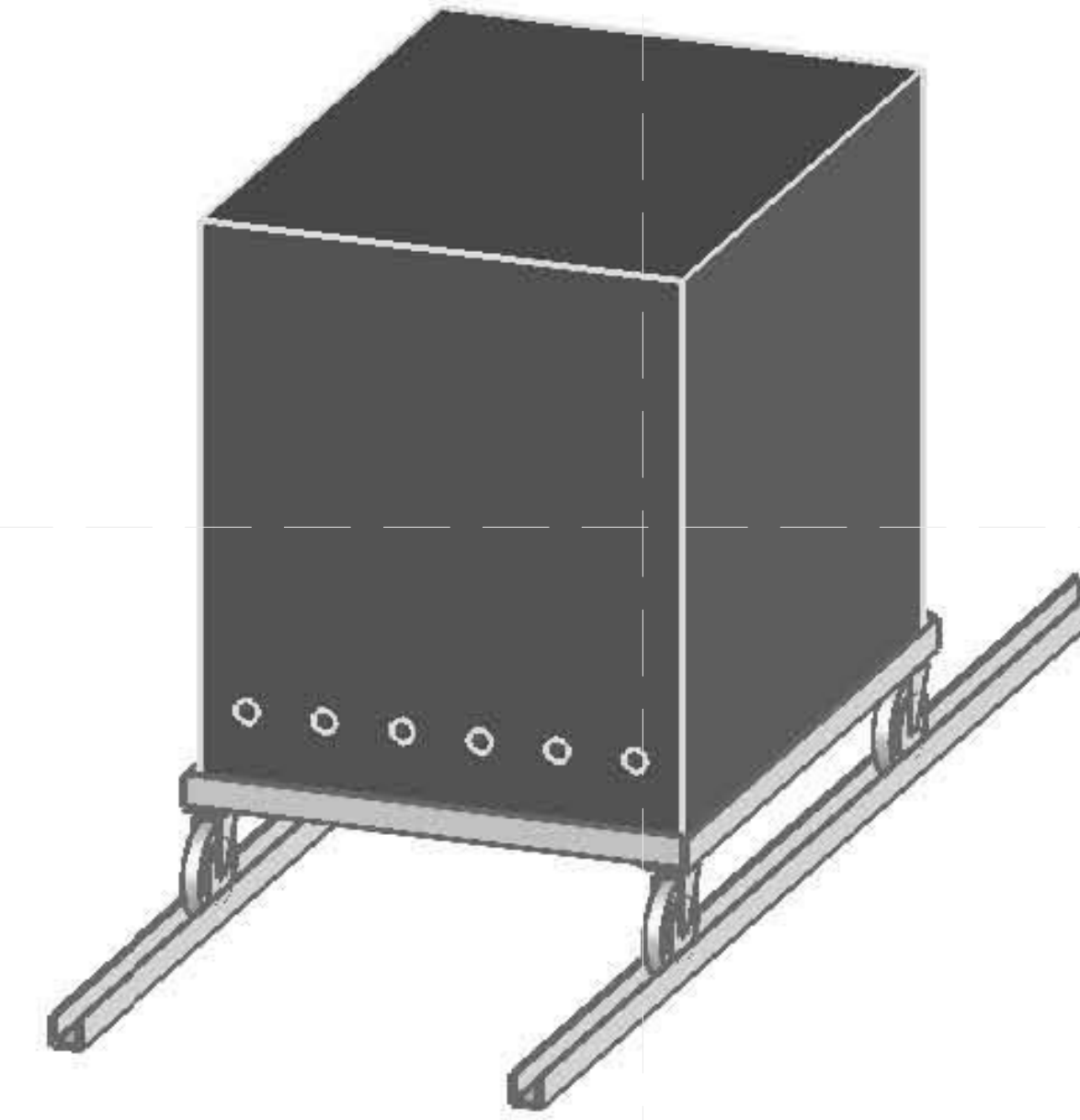
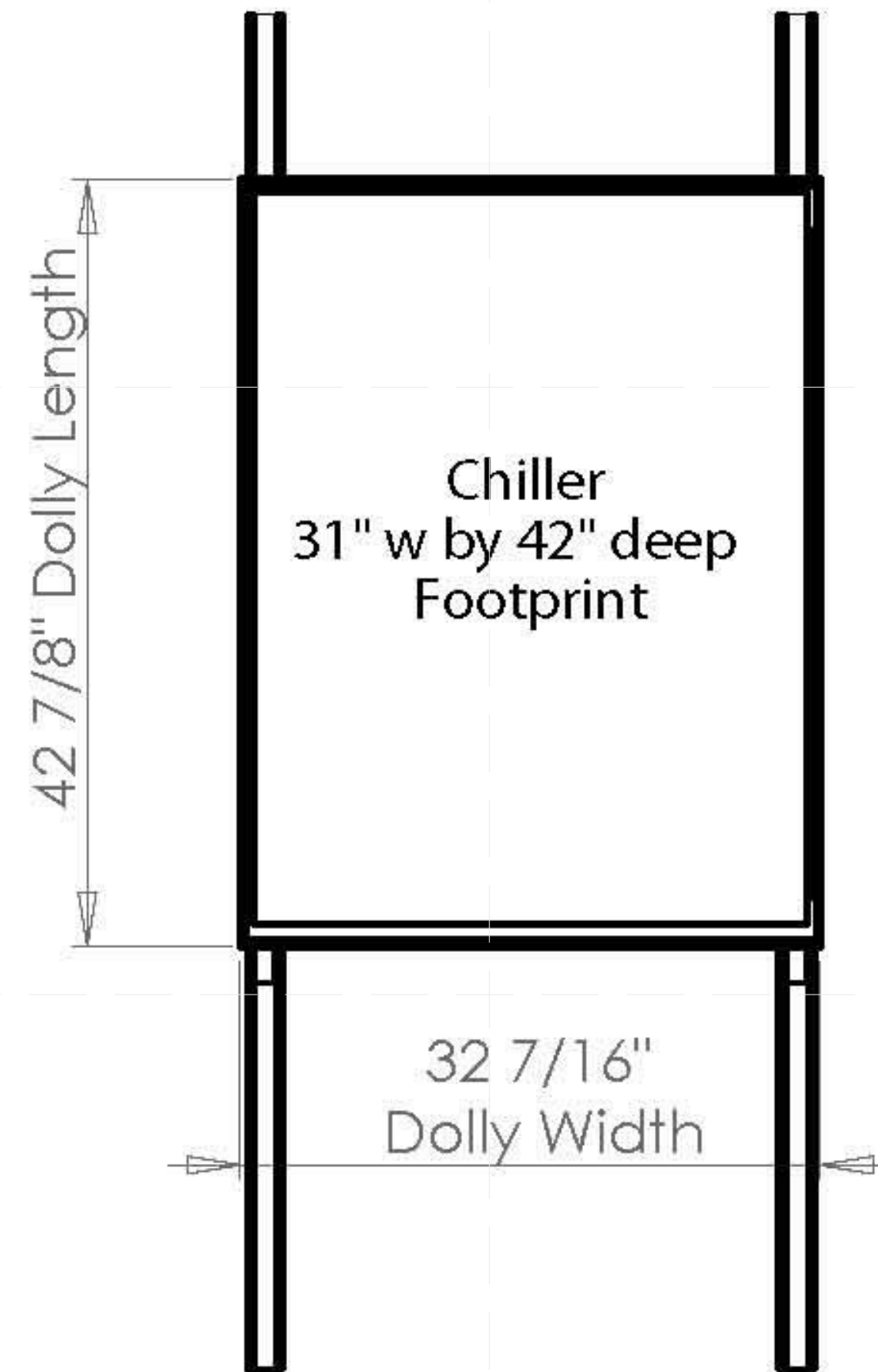
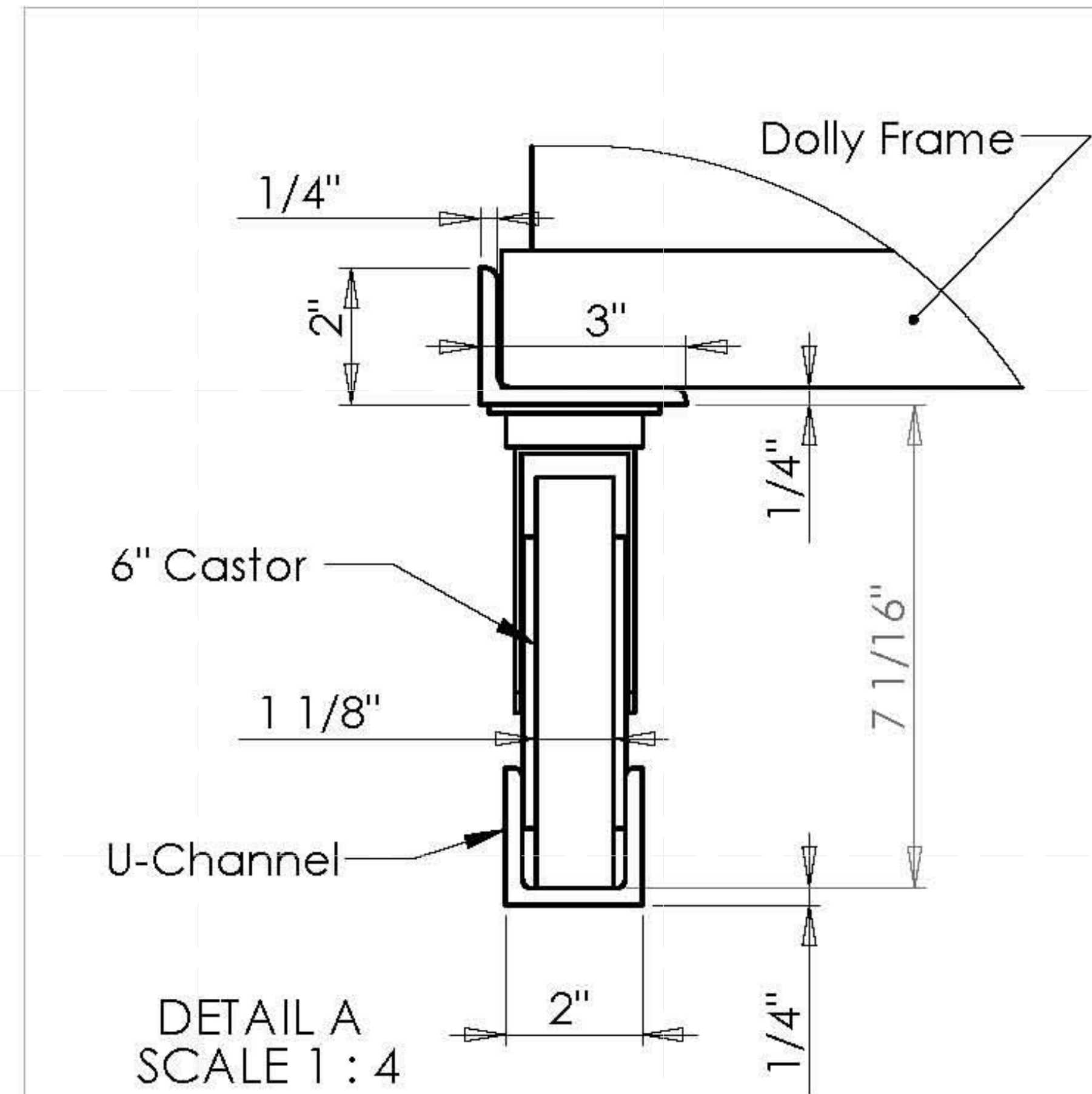
PLAN #:

Z-124.01



QT.	Item	Length(in.)	Total Length
2	struct,channel	59"	118"
4	c-channel	57-1/8"	228-1/2"
1	c-channel	26-3/8"	26-3/8"
1	c-channel	37-7/8"	37-7/8"
2	angle	53"	106"
12	easy clip	/	/

D-X1

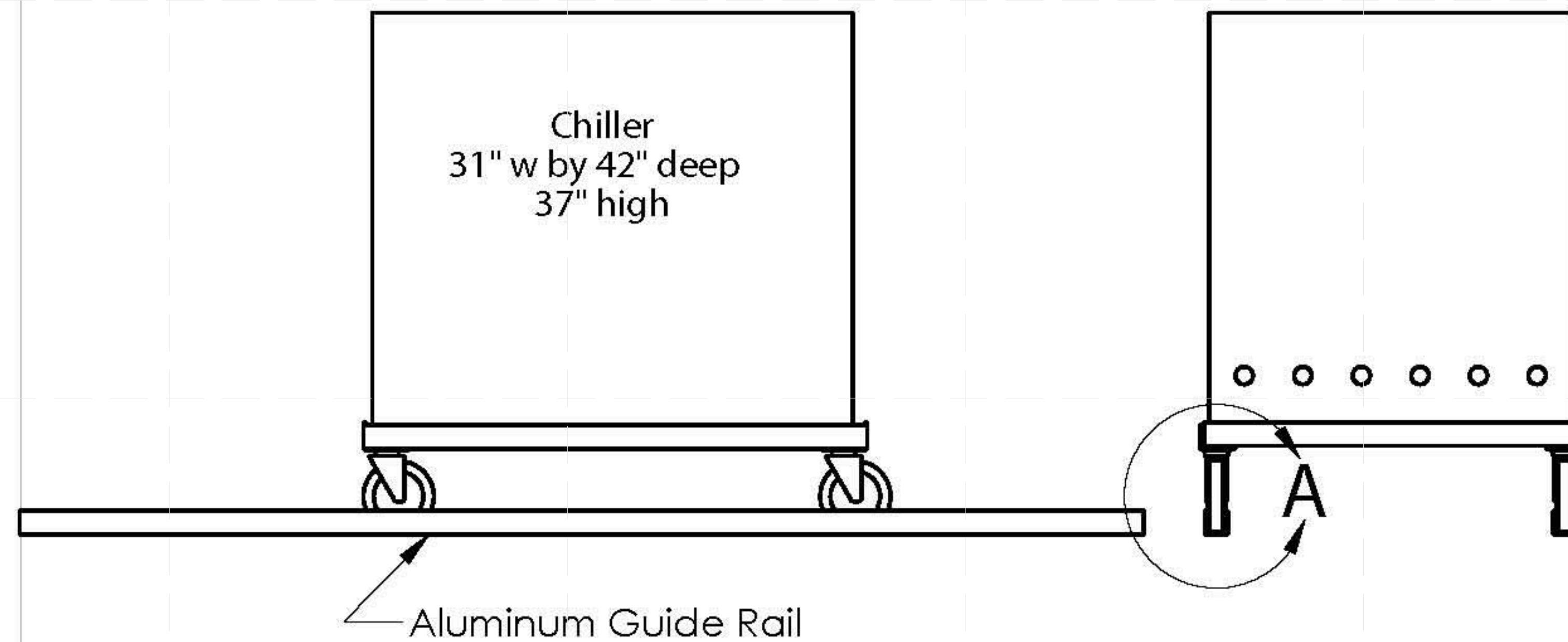


Material

Castor: Non-Marring 6" dia. wheel
All to have Swivel and brake
McMaster No. 2502T38
Quantity Four (4) at \$34.79 ea.

Dolly Frame:
Alum. Angle 1/4" x 2" x 3" x 96"
McMaster No. 8982K572
Quantity: Two (2) at \$65.74 ea.

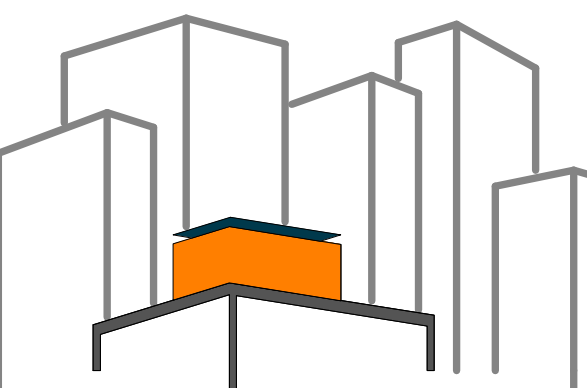
Rail: Alum. U-Channel,
1/4" x 2" x 2" x 96"
McMaster No. 9001K84
Quantity: Two (2) at \$62.99 ea.



Chiller_Access_Design

TITLE:
Louis Hernandez
March 9, 2011

SIZE	Drawn by	REV
A	Mark Stasiak	



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: LOUIS HERNANDEZ
CHECKED BY: JEGC
DATE: 8/12/2011 11:01:59 PM

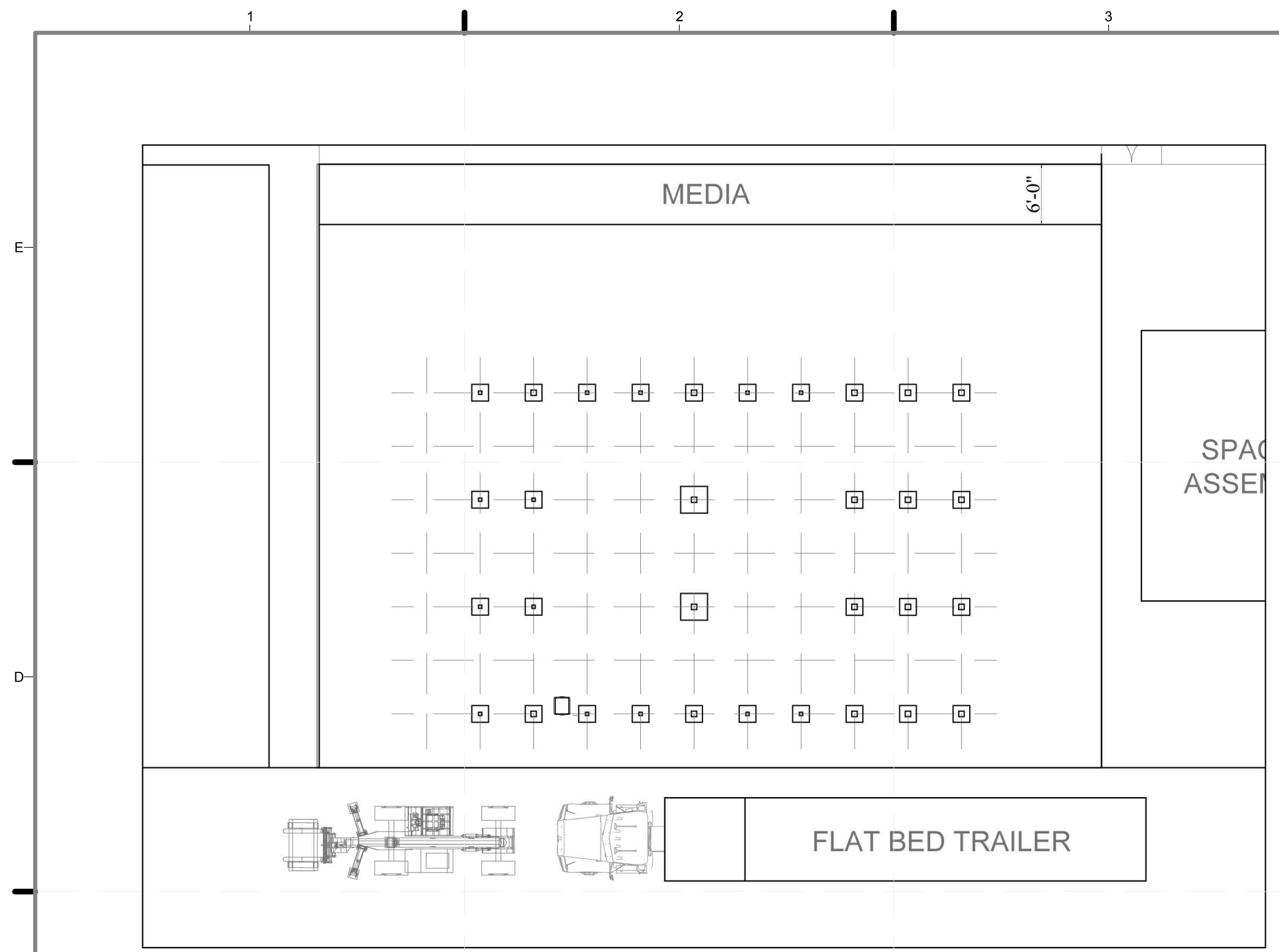
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
CHILLER ACCESS
DESIGN

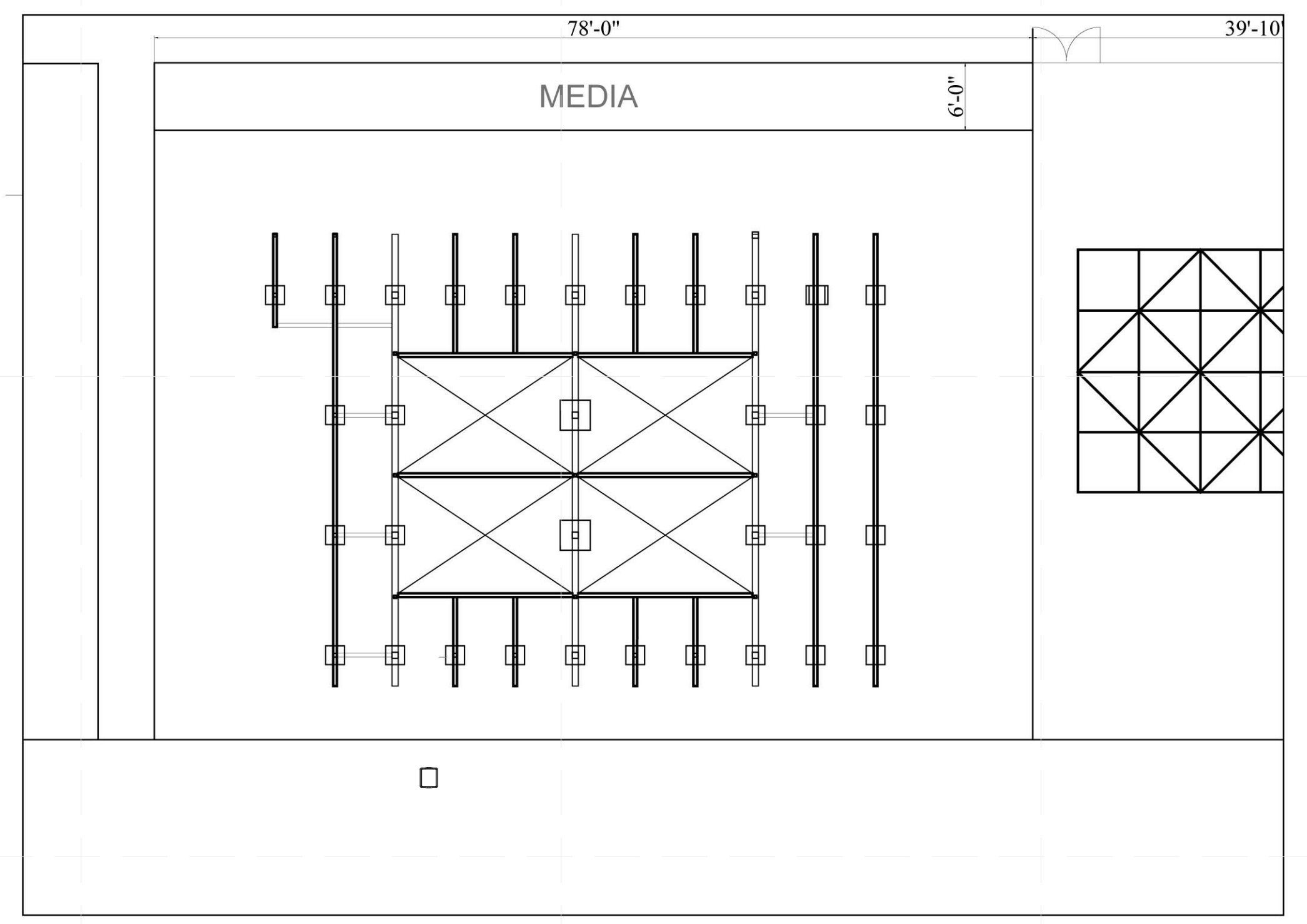
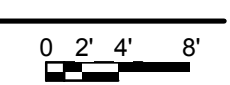
SCALE: AS INDICATED

PLAN #:

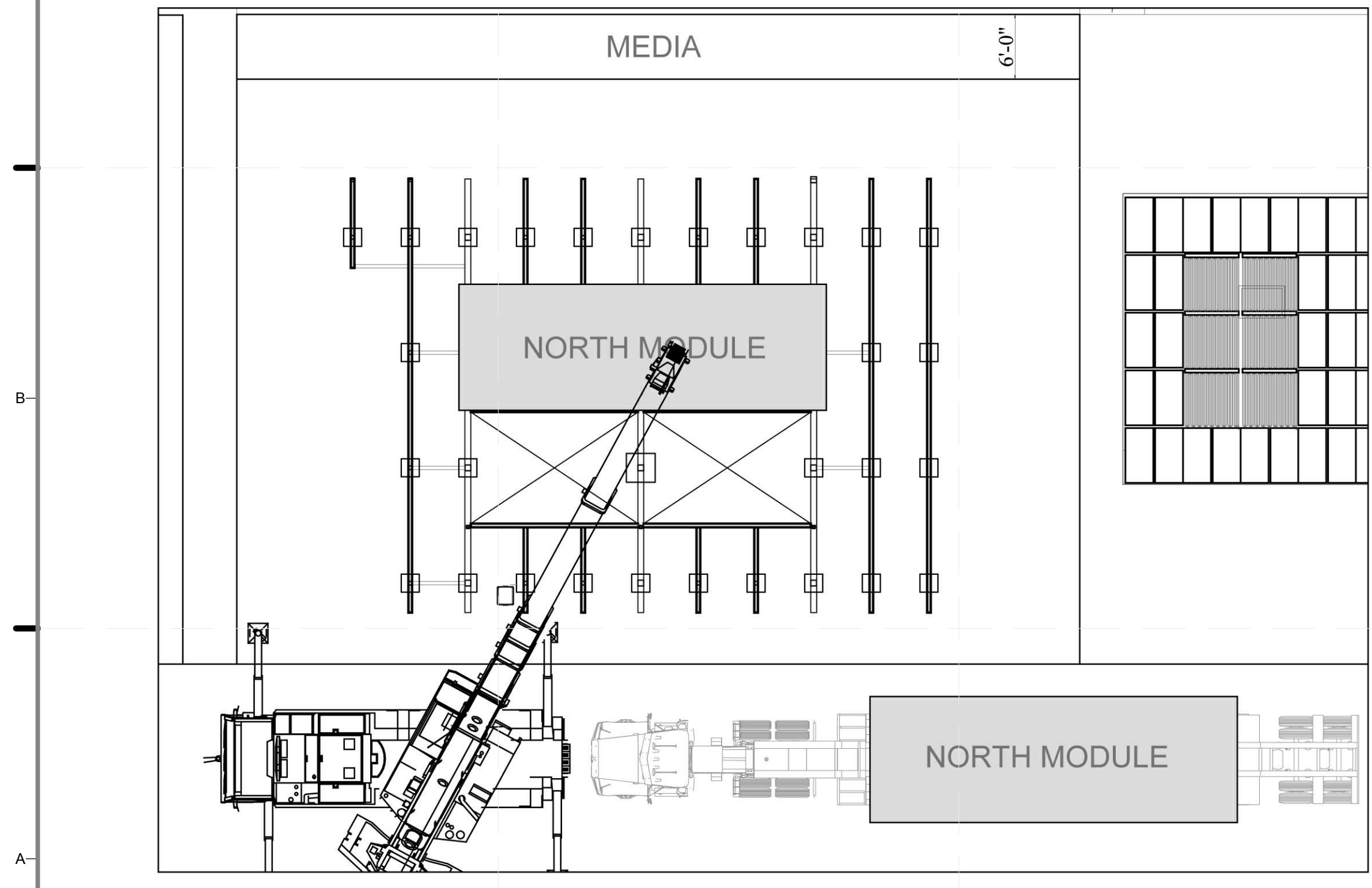
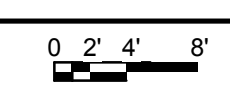
Z-131.01



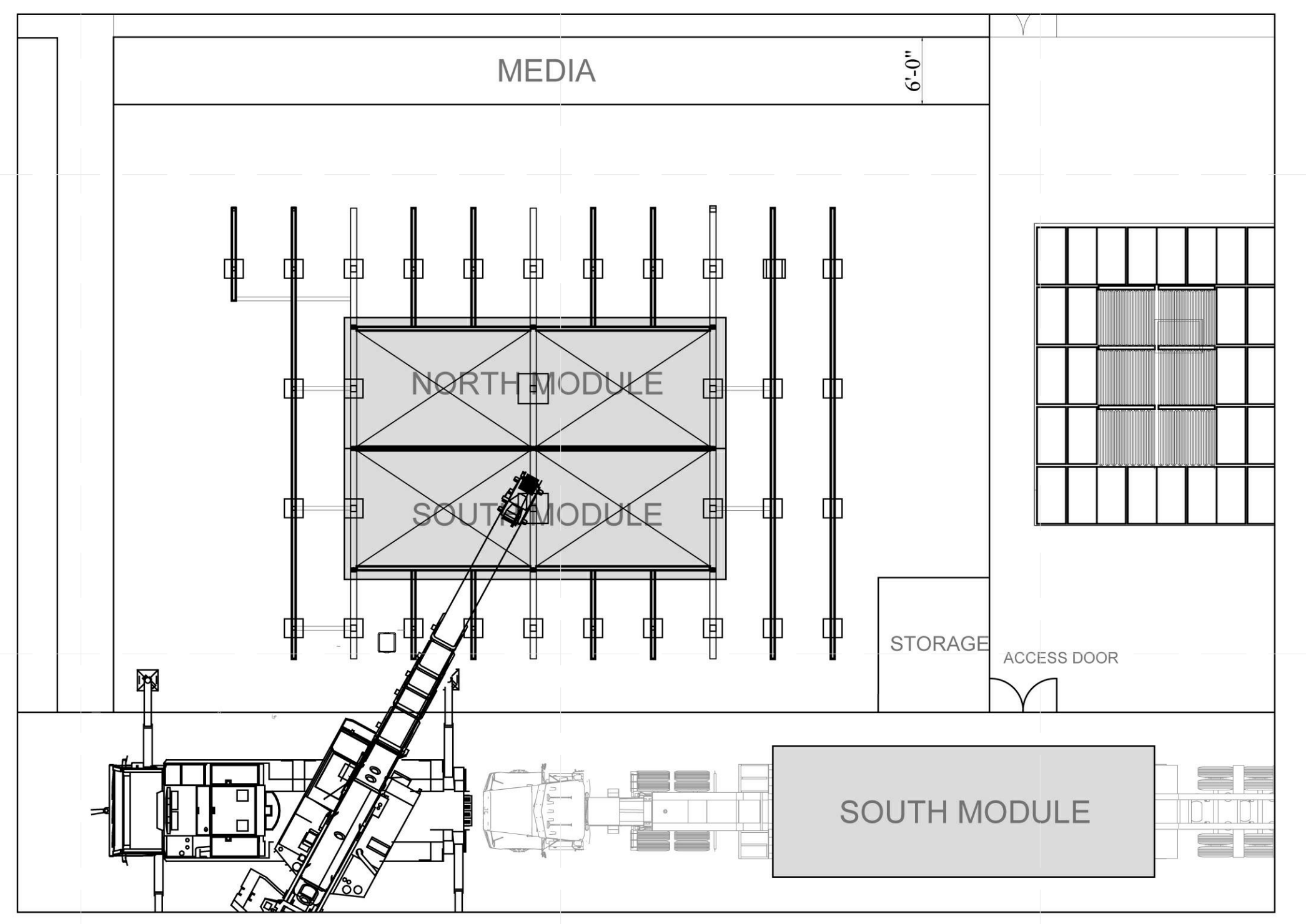
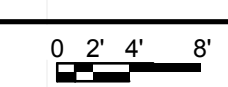
D1 1 - GRID JACKS AND TRELLIS SET UP
3/32" = 1'-0"



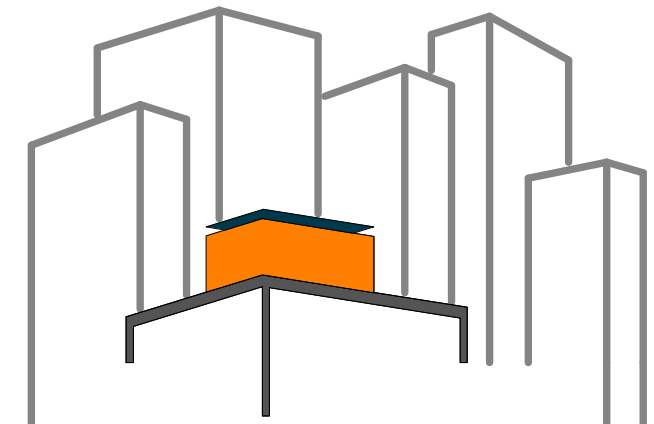
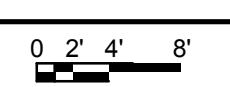
D4 2 - DUNNAGE AND TRELLIS ASSEMBLY
3/32" = 1'-0"



A1 3 - NORTH MODULE INSTALLATION
3/32" = 1'-0"



A4 4 - SOUTH MODULE INSTALLATION
3/32" = 1'-0"



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: CARLOS MATUTE

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:48:45 PM

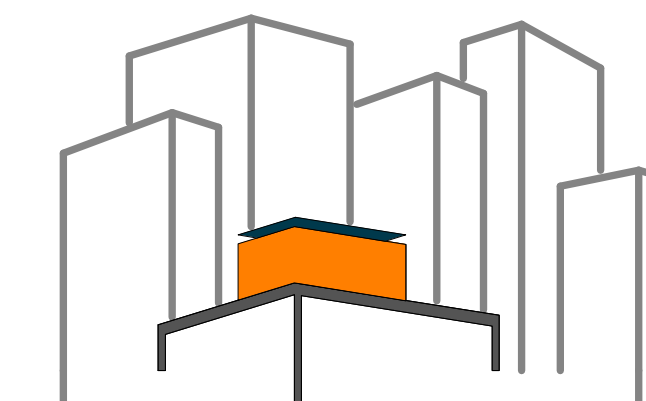
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
ARRIVAL
SEQUENCE-DC
1 OF 2

SCALE: 3/32"=1'-0"

PLAN #:

O-101.02



SOLAR ROOF POD

www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnySD11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: CARLOS MATUTE

CHECKED BY: CHRISITAN VOLKMAN

DATE: 8/12/2011 10:48:51 PM

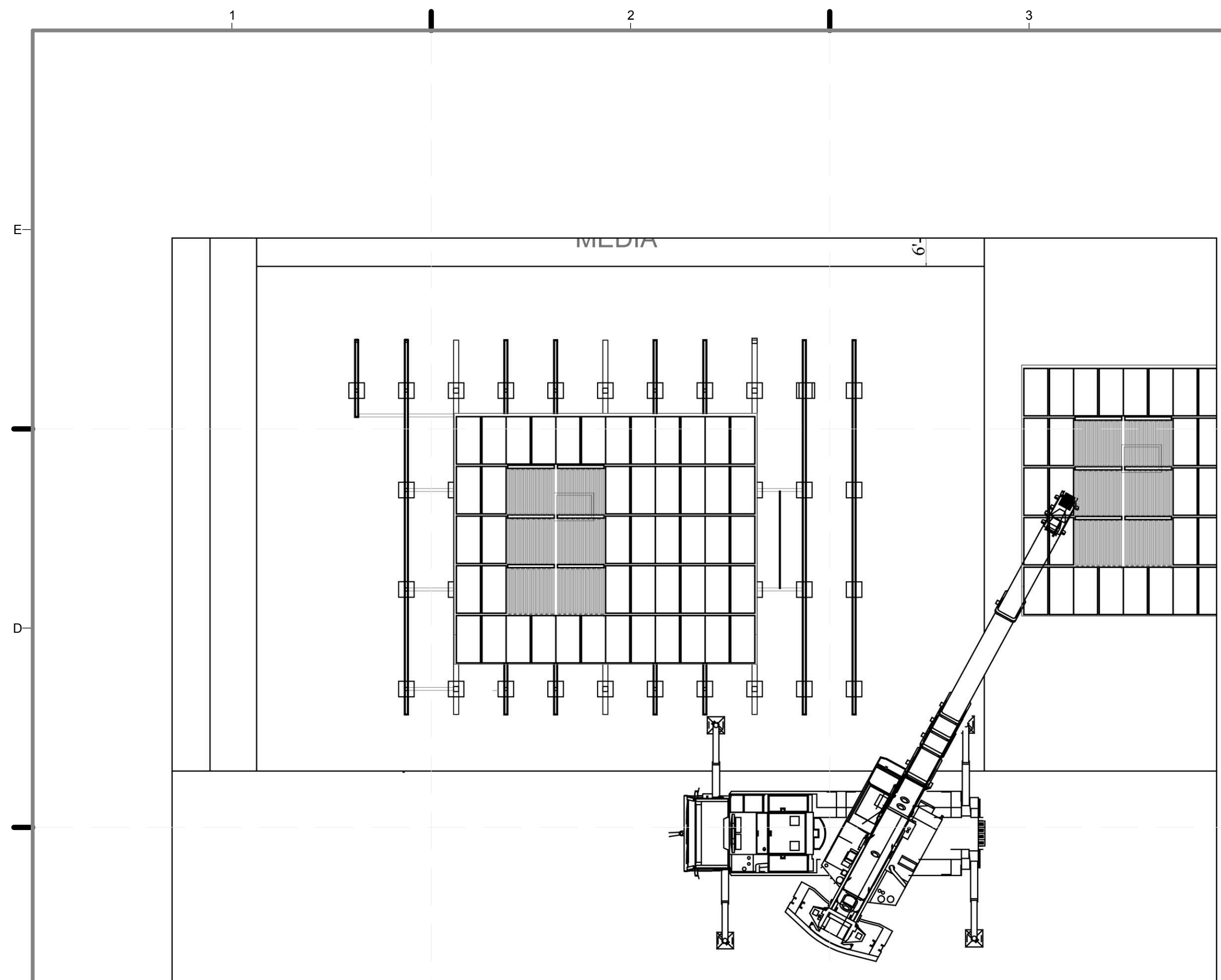
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
ARRIVAL
SEQUENCE-DC
2 OF 2

SCALE: 3/32"=1'-0"

PLAN #:

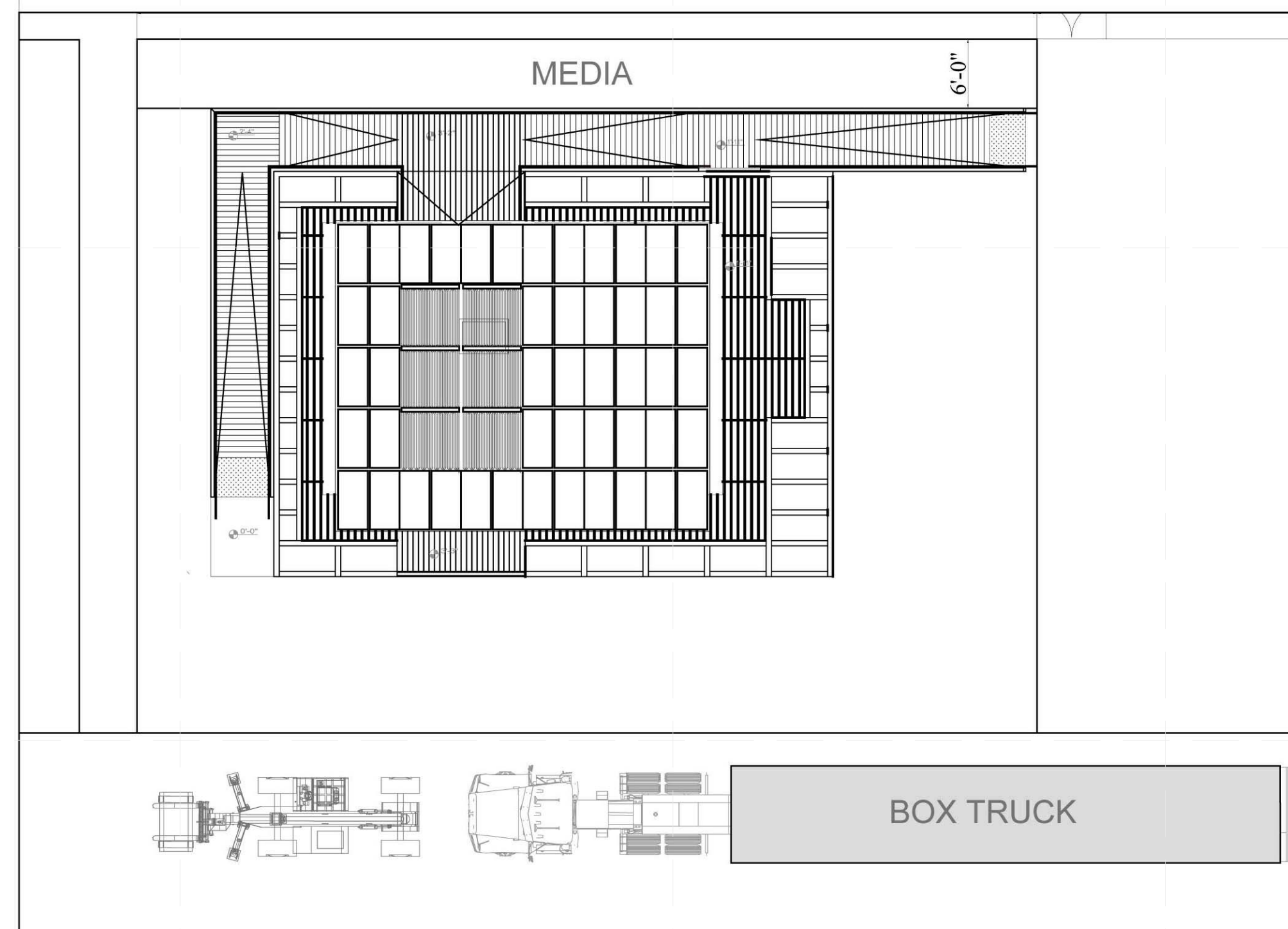
O-102.02



C1 5 - TRELLIS INSTALLATION

3/32" = 1'-0"

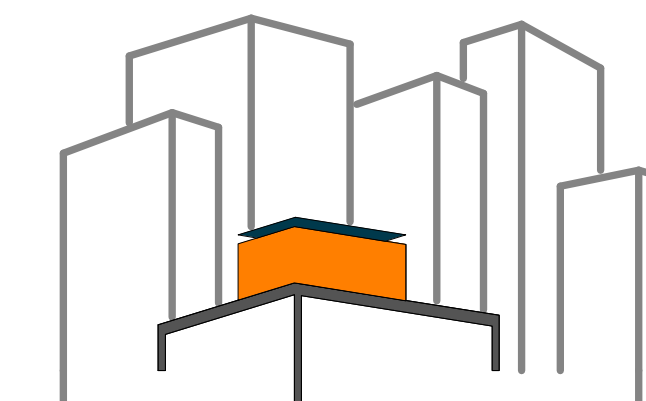
0' 2' 4' 8'



C4 6 - DECK AND RAMP ASSEMBLY

3/32" = 1'-0"

0' 2' 4' 8'



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: CARLOS MATUTE

CHECKED BY: CHRISTIAN VOLKMAN

DATE: 8/12/2011 10:48:56 PM

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

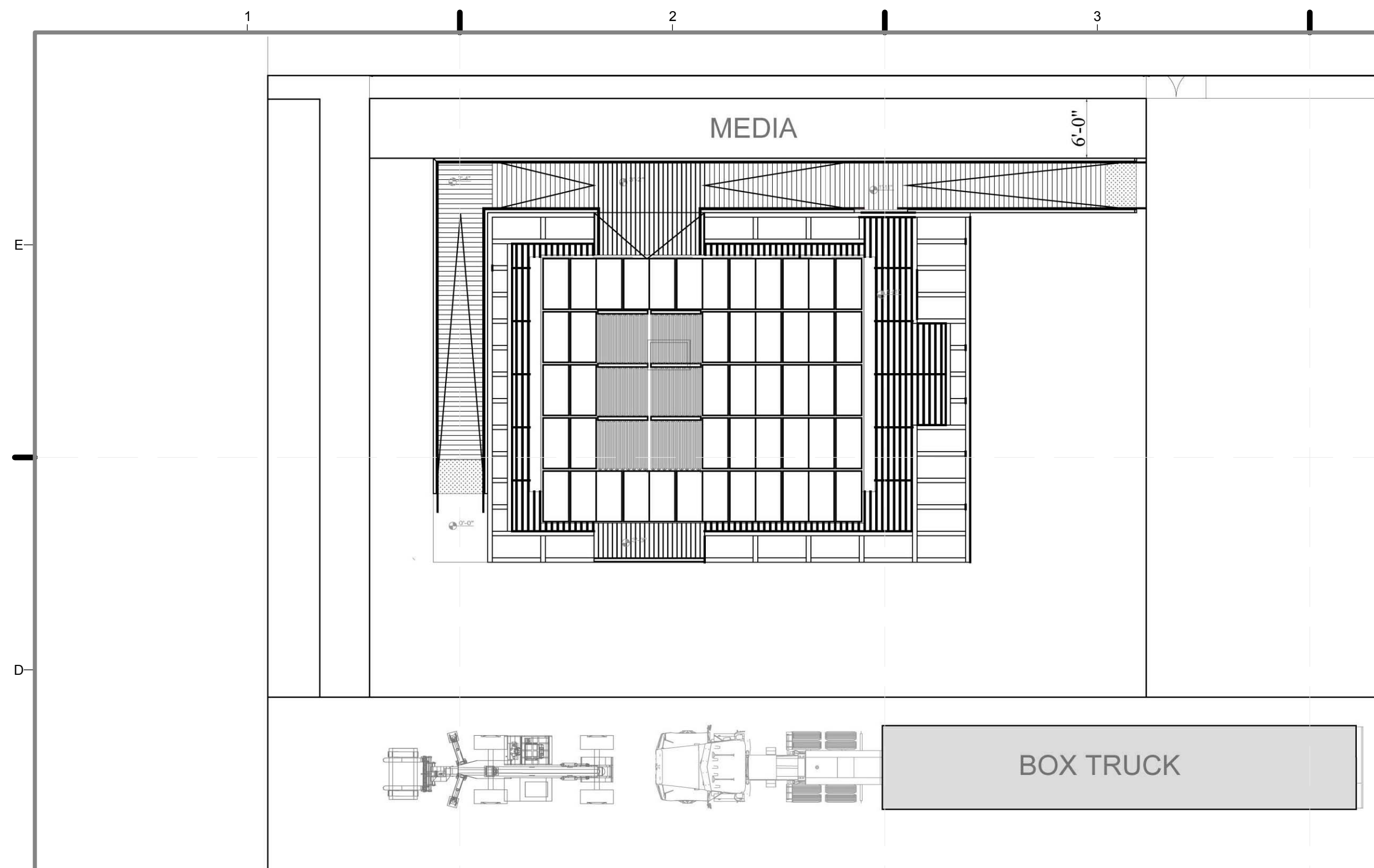
SHEET TITLE:

DEPARTURE
SEQUENCE, DC
1 OF 2

SCALE: 3/32"=1'-0"

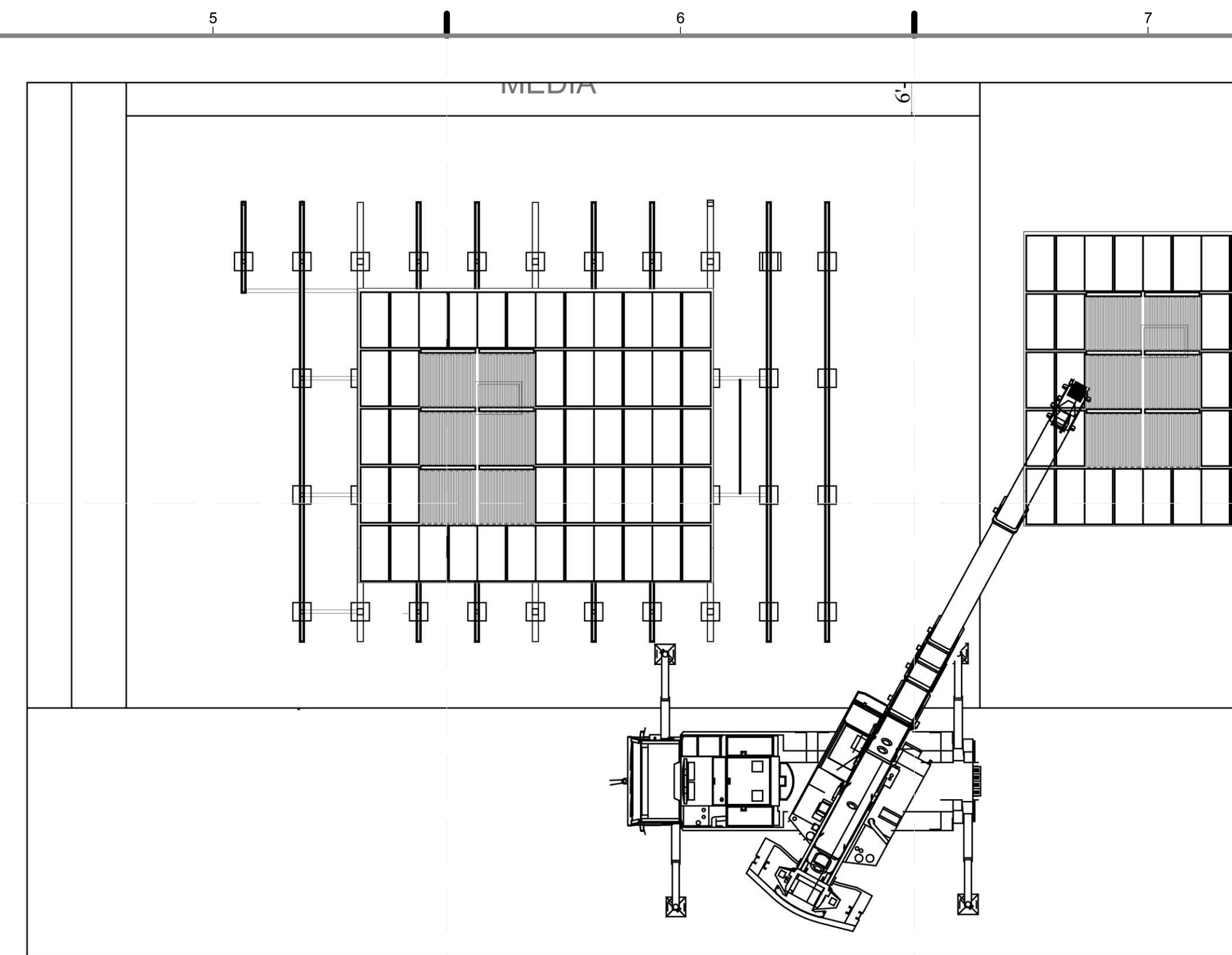
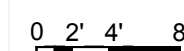
PLAN #:

O-103.02



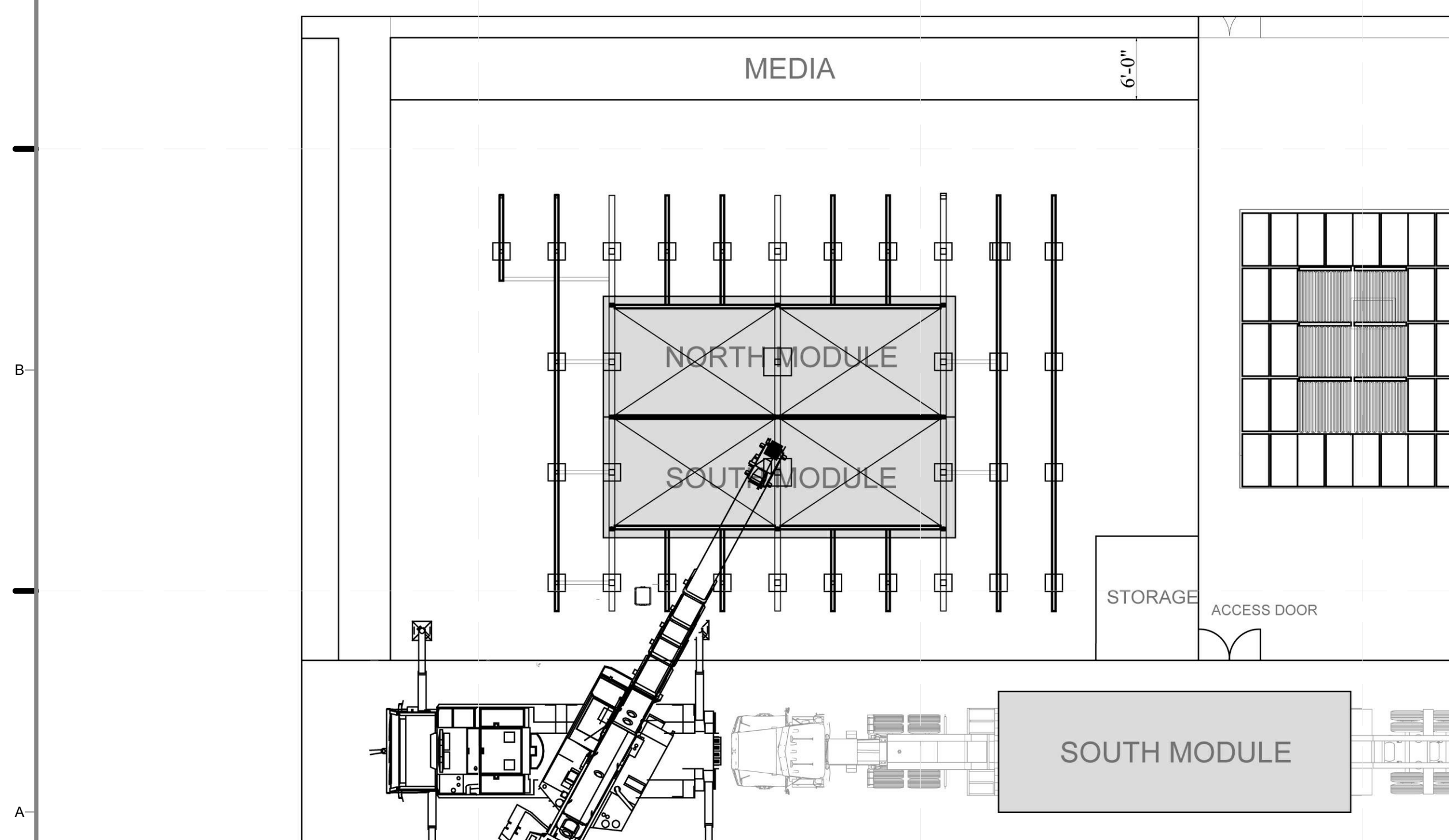
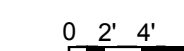
C1 1 - DECK AND RAMP DISASSEMBLY

3/32" = 1'-0"



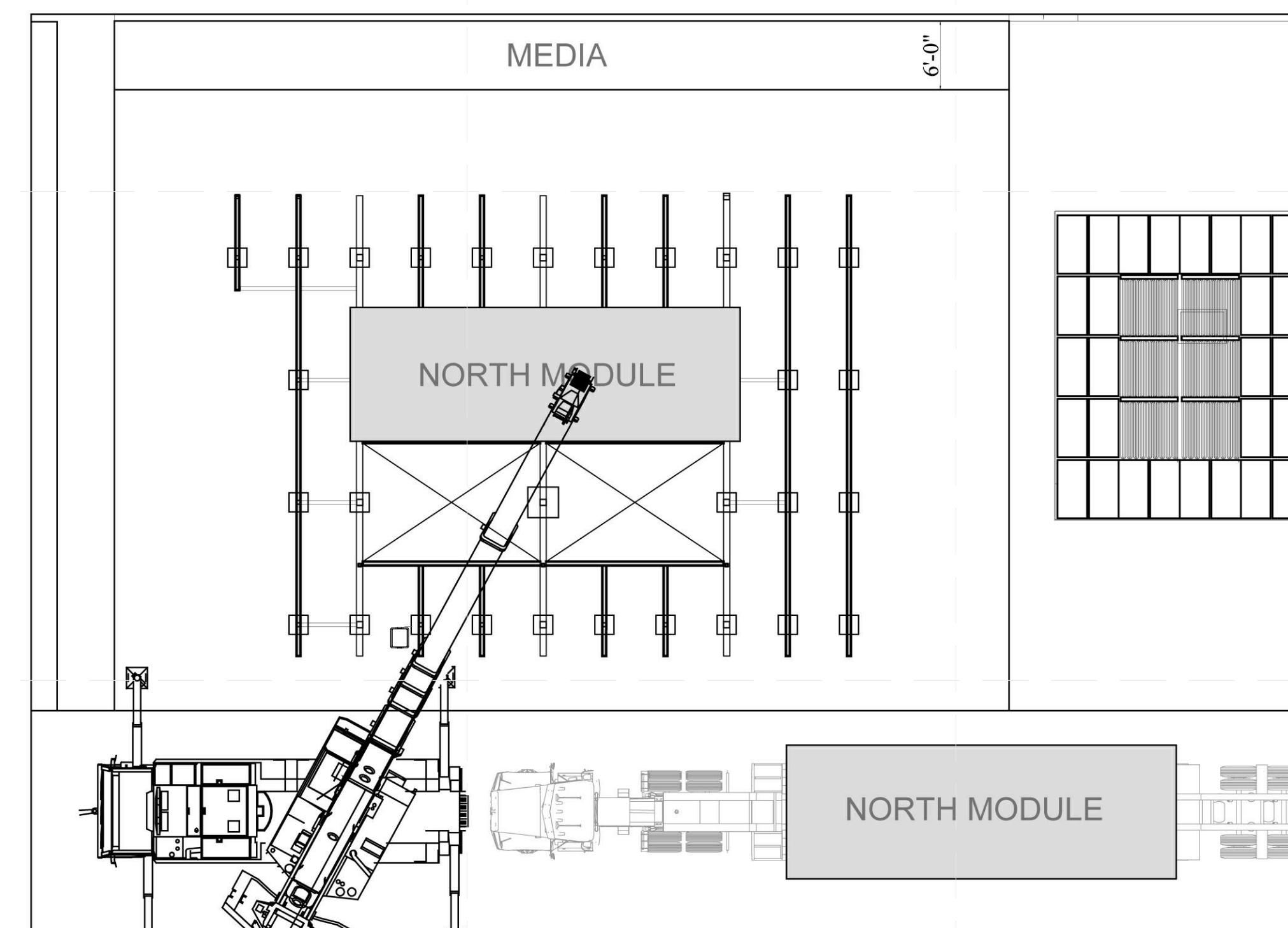
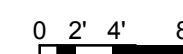
C5 2 - TRELLIS DISMOUNT

3/32" = 1'-0"



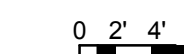
A1 3 - SOUTH MODULE CRANED TO TRUCK

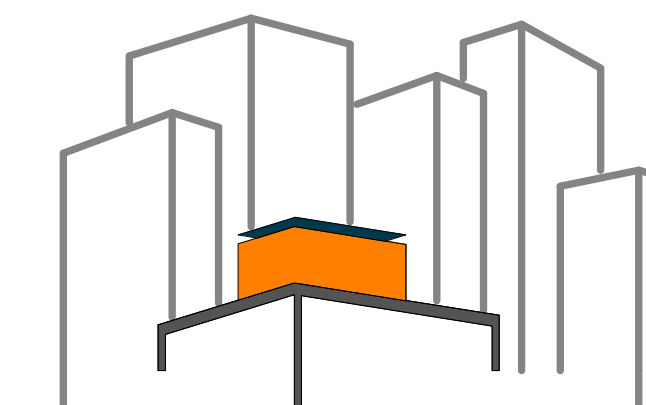
3/32" = 1'-0"



A5 4 - NORTH MODULE CRANED TO TRUCK

3/32" = 1'-0"





SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737

ccnysd11@gmail.com



CLIENT:

U.S. DEPARTMENT OF ENERGY

SOLAR DECATHLON 2011

WWW.SOLARDECATHLON.GOV

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: CARLOS MATUTE

CHECKED BY: CHRISITAN VOLKMAN

DATE: 8/12/2011 10:48:59 PM

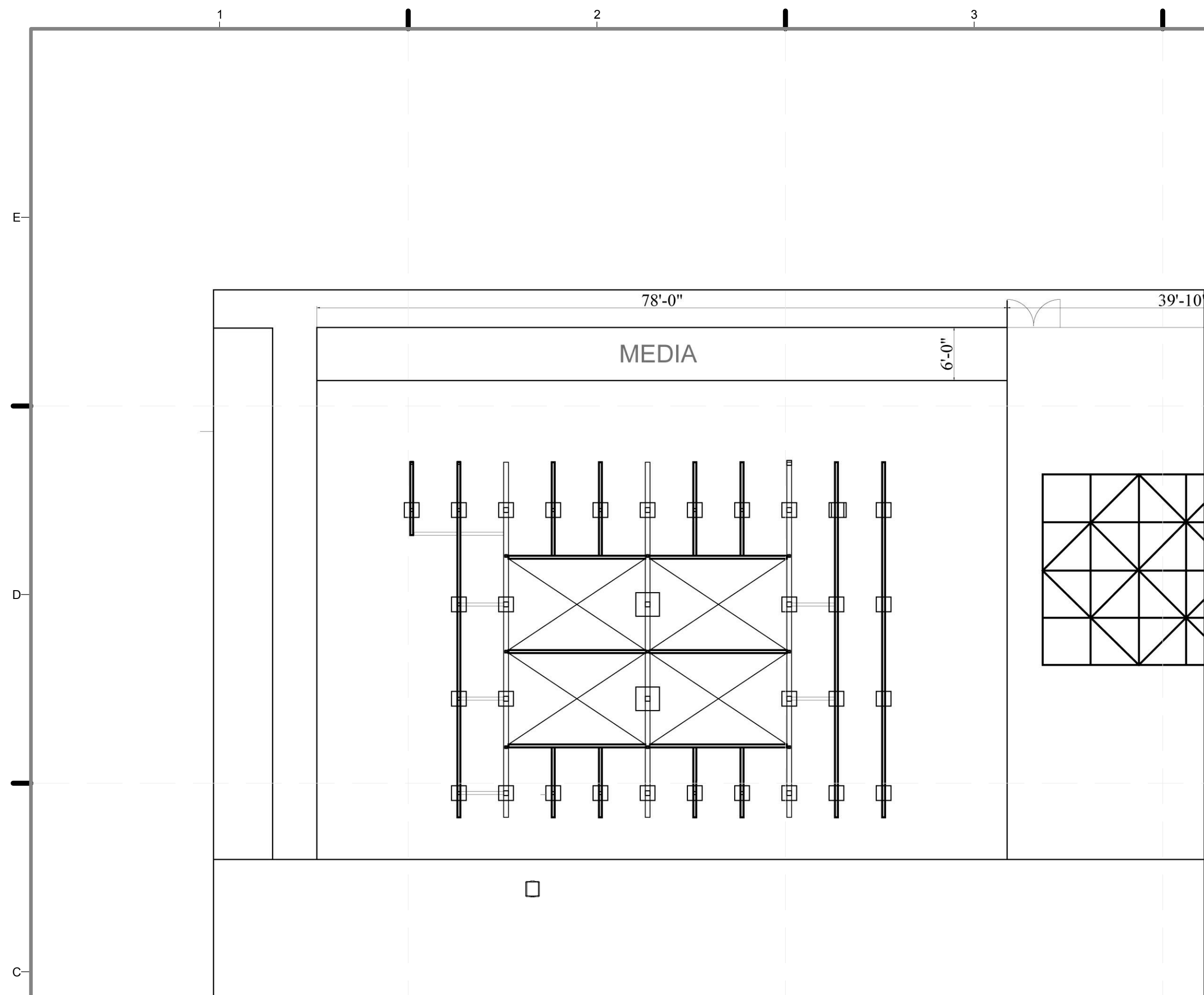
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DEPARTURE
SEQUENCE, DC
2 OF 2

SCALE: 3/32"=1'-0"

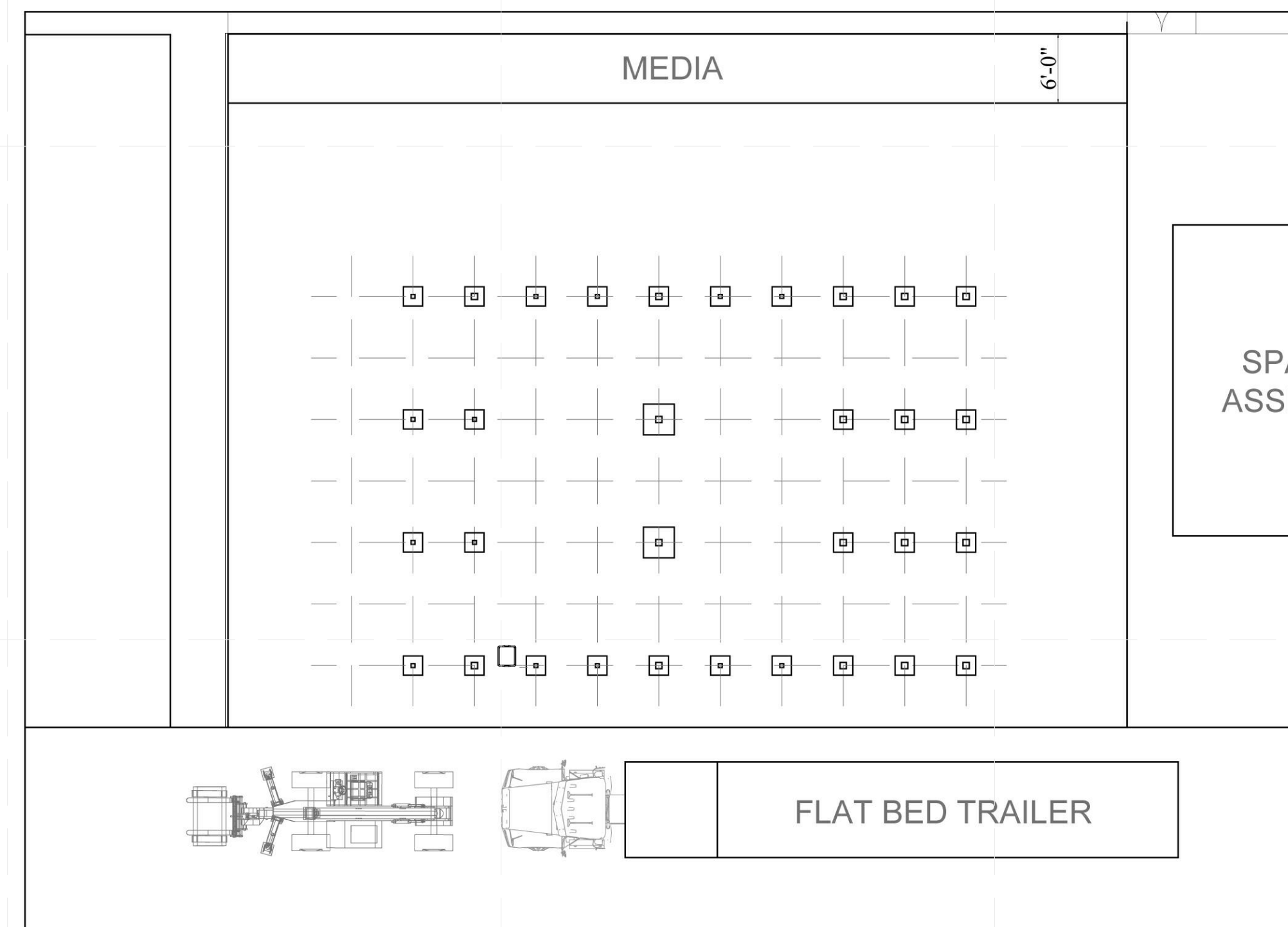
PLAN #:

O-104.02



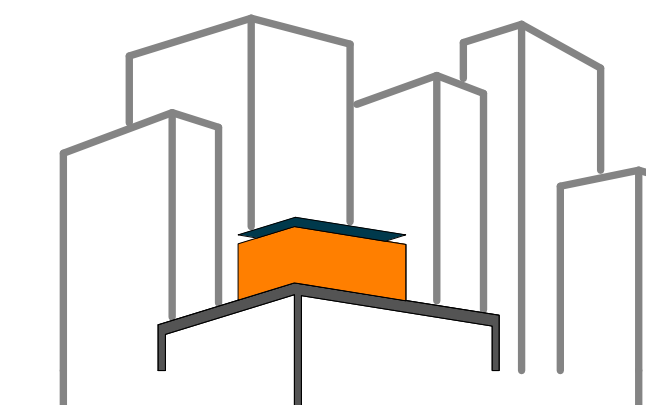
C1 5 - DUNNAGE AND TRELLIS DISASSEMBLY

3/32" = 1'-0"



C5 6 - JACKS AND TRELLIS REMOVAL

3/32" = 1'-0"



SOLAR ROOF POD

www.ccnysolardecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnysd11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

LOT NUMBER: 403

DRAWN BY: **CARLOS MATUTE**

CHECKED BY: **CHRISITAN VOLKMANN**

DATE: **8/12/2011 10:49:05 PM**

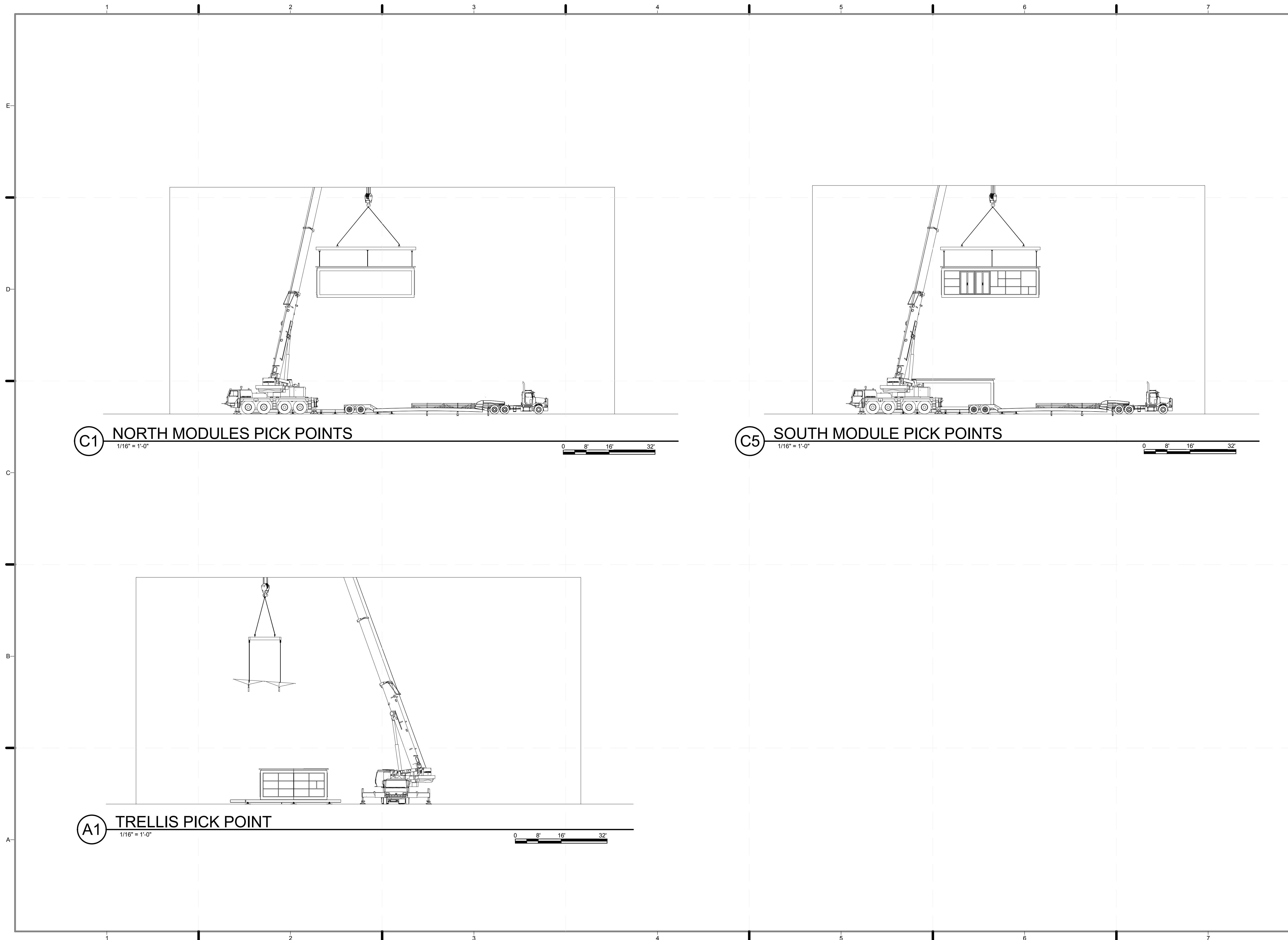
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
MODULES AND
TRELLIS PICK
POINTS

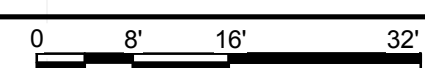
SCALE: **Approver**

PLAN #:

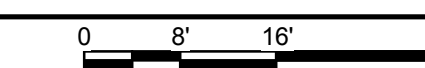
O-201.02



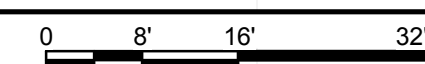
C1 NORTH MODULES PICK POINTS
1/16" = 1'-0"



C5 SOUTH MODULES PICK POINTS
1/16" = 1'-0"

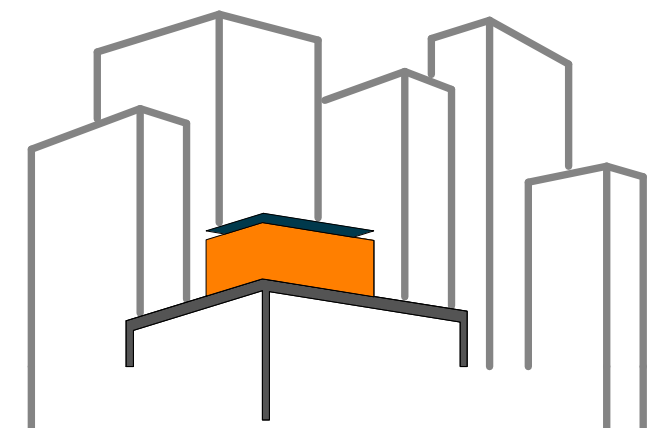


A1 TRELLIS PICK POINT
1/16" = 1'-0"



GENERAL SHEET NOTES

1. A CRANE WITH CERTIFIED OPERATOR TO BE RENTED IN WASHINGTON DC, AND WILL APPEAR FOR ASSEMBLY AND DISASSEMBLY SEQUENCING ONLY
2. CRANE OPERATOR WILL DETERMINE PROPER METHOD FOR ATTACHING EQUIPMENT TO HOME AND LIFTING ELEMENTS SUCCESSFULLY.
3. SEE STEEL CAGE SHOP DRAWINGS FOR PICK POINTS



SOLAR ROOF POD
www.ccnySolarDecathlon.com

TEAM NEW YORK

SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18

NEW YORK NY 10031

TEL: (212)-650-8737
ccnySD11@gmail.com



CLIENT:

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

REVISIONS: DATE / NAME

CONSTRUCTION SCHEDULE

	EQUIPMENT	MANUFACTURER	MAKE	MODEL
01	DOUBLE DROP LOW BOY	FOUNTAIN TRAILER COMPANY	RENEGADE	LX 40
02	DOUBLE DROP LOW BOY	FOUNTAIN TRAILER COMPANY	RENEGADE	LX 40
03	FLATBED INFINITY	FOUNTAIN TRAILER COMPANY	INFINITY FLATBED	INFINITY
04	FRUEHAUF DRY VAN	FRUEHAUF	DRY VAN	N/A
05	DIESEL GENERATOR	MQ POWER	WHISPER WATT	DCA25USI
06	TELEHANDLER	JLG INDUSTRIES	LLUL	0.00E-01
07	TRUCK CRANE	TADANO	130 TON CAPACITY	ATF110G-5

LOT NUMBER: 403

DRAWN BY: **CARLOS MATUTE**

CHECKED BY: **CHRISTIAN VOLKMAN**

DATE: **8/12/2011 10:49:12 PM**

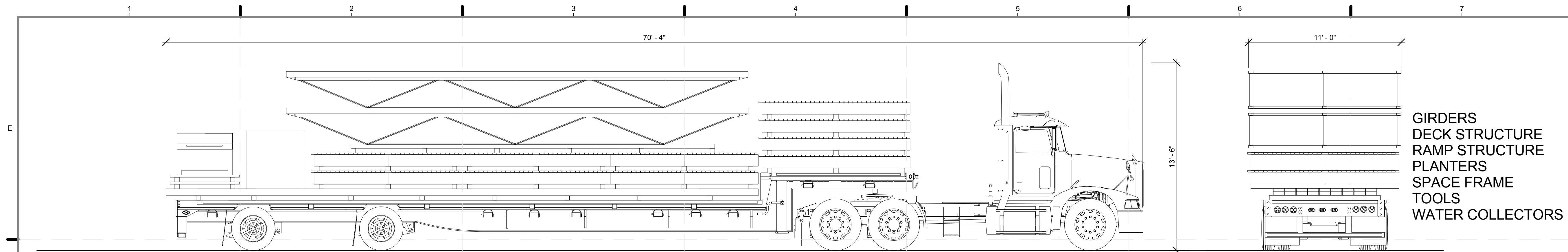
2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
SCHEDULE-
CONSTRUCTION
EQUIPMENT

SCALE: **NTS**

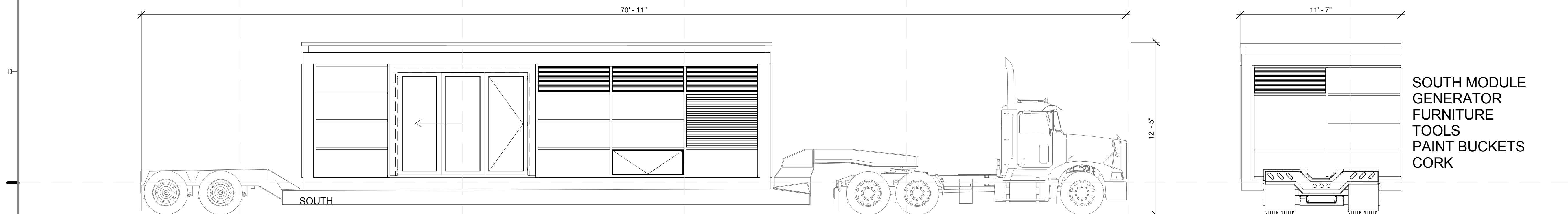
PLAN #:

O-601.02



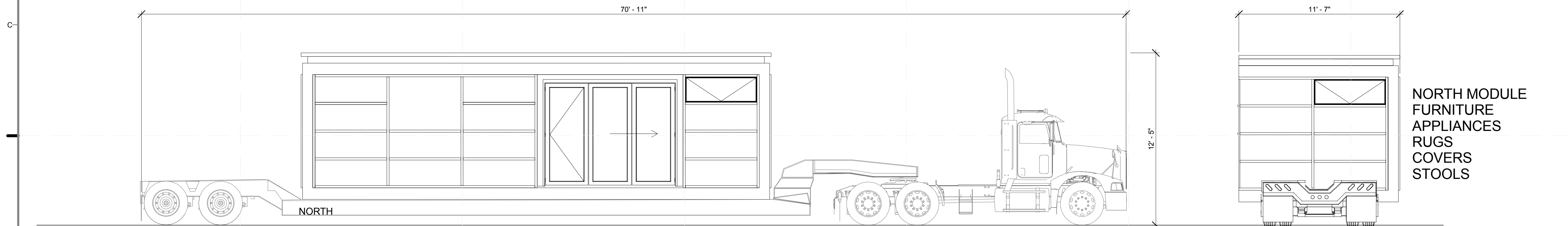
GIRDERS
DECK STRUCTURE
RAMP STRUCTURE
PLANTERS
SPACE FRAME
TOOLS
WATER COLLECTORS

TRUCK # 1



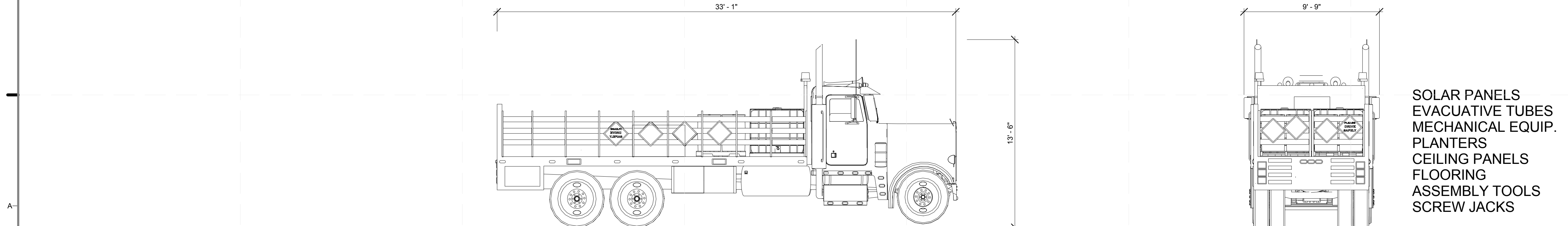
SOUTH MODULE
GENERATOR
FURNITURE
TOOLS
PAINT BUCKETS
CORK

TRUCK # 2



NORTH MODULE
FURNITURE
APPLIANCES
RUGS
COVERS
STOOLS

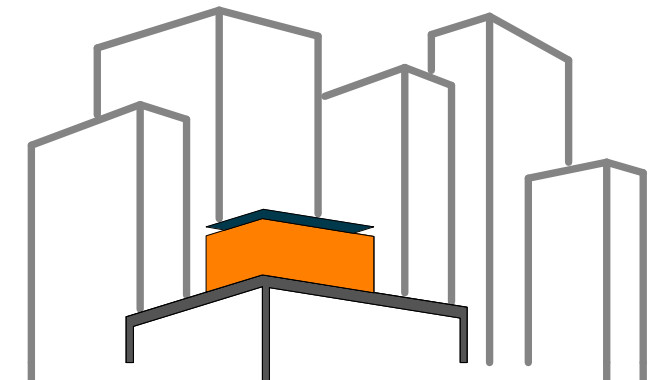
TRUCK # 3



SOLAR PANELS
EVACUATIVE TUBES
MECHANICAL EQUIP.
PLANTERS
CEILING PANELS
FLOORING
ASSEMBLY TOOLS
SCREW JACKS

TRUCK # 4

A1 DIAGRAM - TRUCK LOADING
1/4" = 1'-0"



SOLAR ROOF POD
www.ccnysolardecathlon.com

TEAM NEW YORK
SPITZER SCHOOL OF ARCHITECTURE
GROVE SCHOOL OF ENGINEERING
141 CONVENT AVE RM#2M18
NEW YORK NY 10031
TEL: (212)-650-8737
ccnysd11@gmail.com



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

REVISIONS: DATE / NAME

LOT NUMBER: 403
DRAWN BY: **CARLOS MATUTE**
CHECKED BY: **CHRISTIAN VOLKMAN**
DATE: **8/12/2011 10:49:18 PM**

2011
SOLAR DECATHLON
AS BUILT CONSTRUCTION
DOCUMENTS

SHEET TITLE:
DIAGRAM TRUCK
LOADING

SCALE: **1/4" = 1'-0"**

PLAN #:

O-602.01