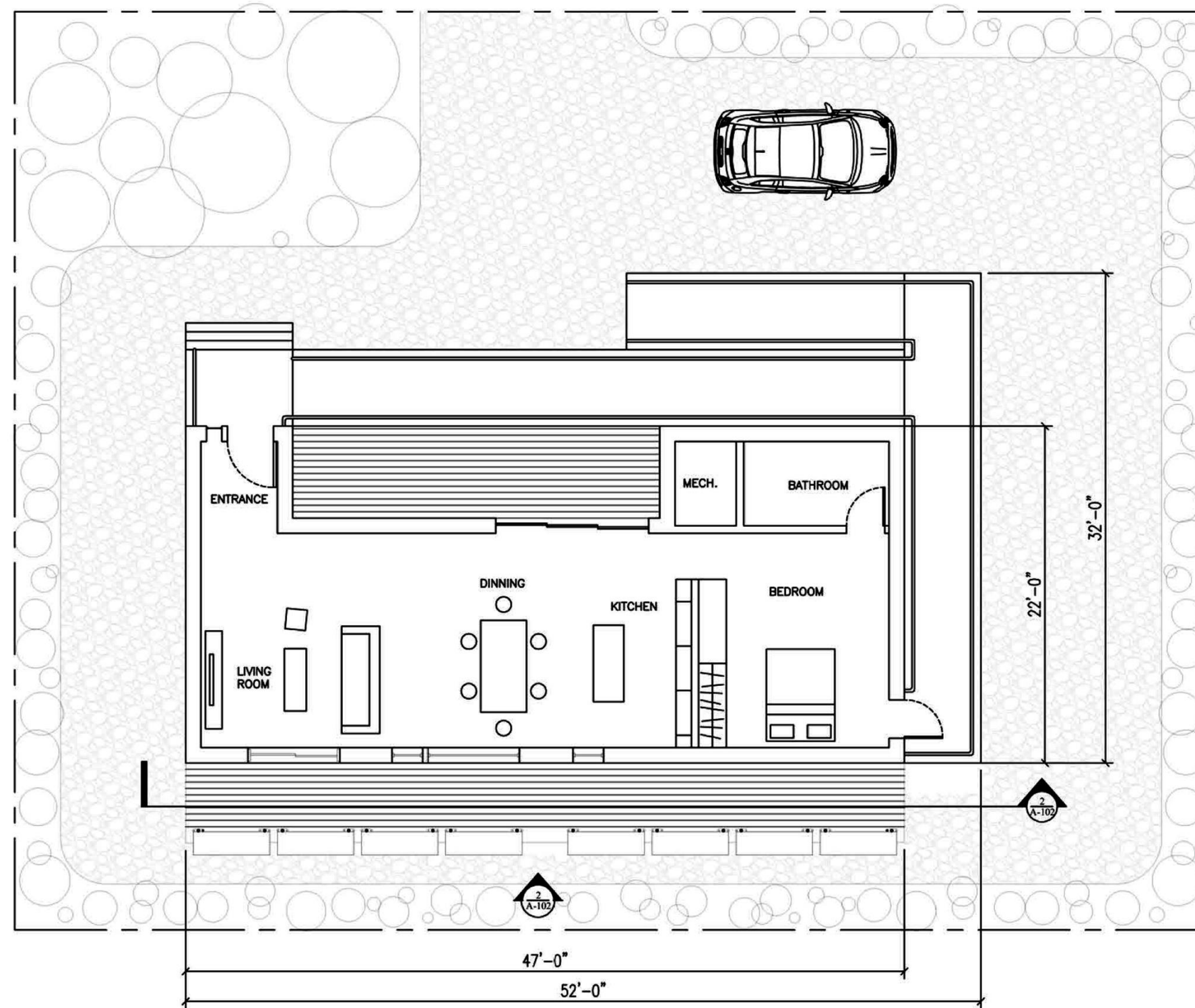


ARCH 3630: ADVANCE DETAILING
SOLAR DECATHLON: DURA HOUSE
PROFESSOR APTEKAR
SPRING'14
FINAL SUBMISSION

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A-100	TITLE PAGE
A-101	FLOOR PLAN
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A-109	SUN ANALYSIS
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NEW YORK CITY COLLEGE OF TECHNOLOGY	DURA HOUSE	TITLE: TITL PAGE	NAME: AMAL HASHEM
		NUMBER: A-100	DATE: 05/21/2014



1 FLOOR PLAN

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

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TECHNOLOGY**

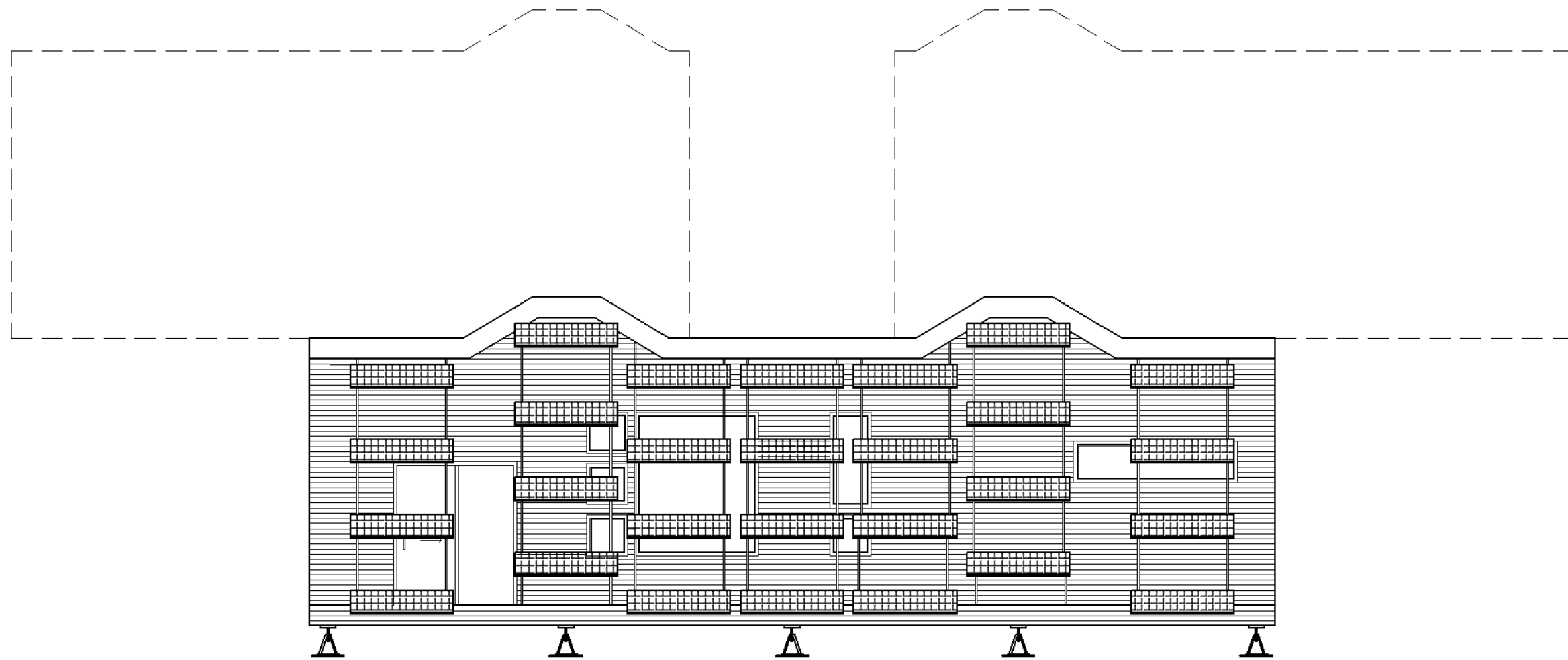
DURA HOUSE

TITLE: FLOOR PLAN

NAME: AMAL HASHEM

NUMBER: A-101

DATE: 05/21/2014



2 SOUTH ELEVATION OF SOLAR PANELS

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

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TECHNOLOGY**

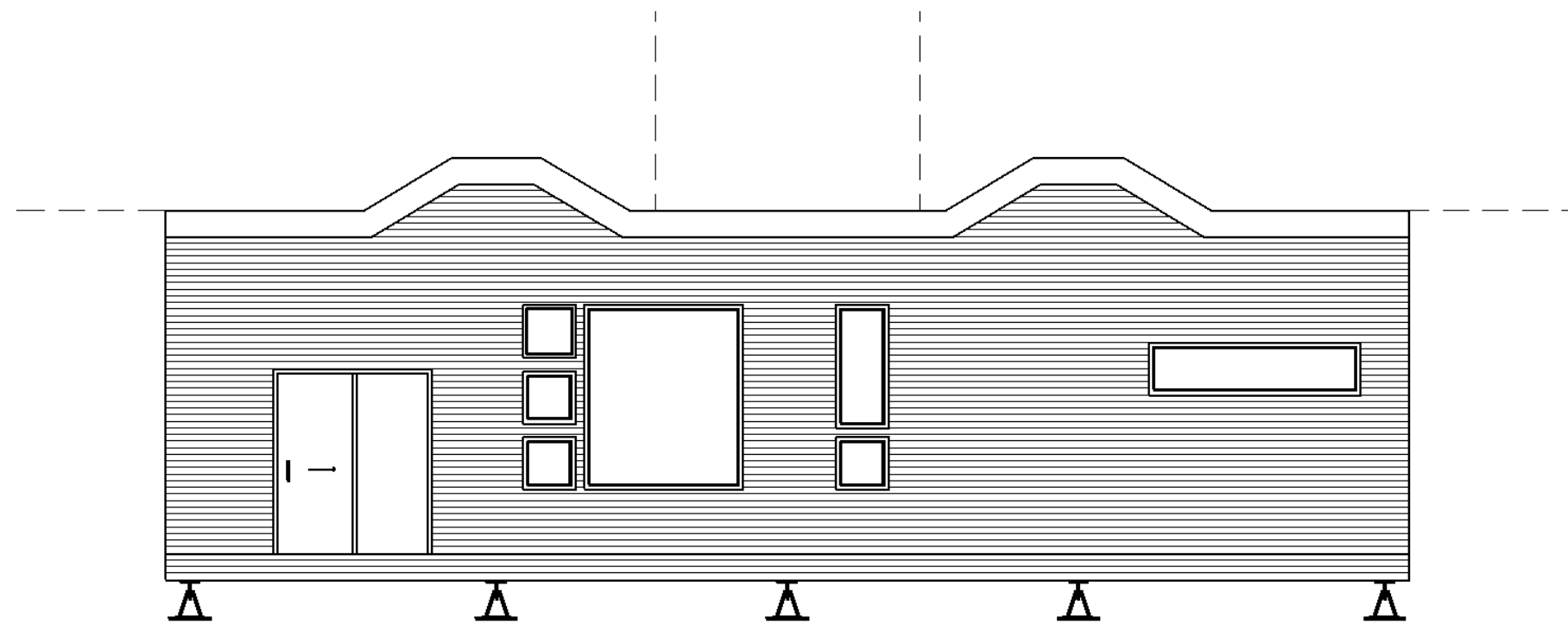
DURA HOUSE

TITLE: ELEVATION

NAME: AMAL HASHEM

NUMBER: A-102

DATE: 05/21/2014



3 ELEVATION BEHIND SOLAR PANELS

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

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TECHNOLOGY**

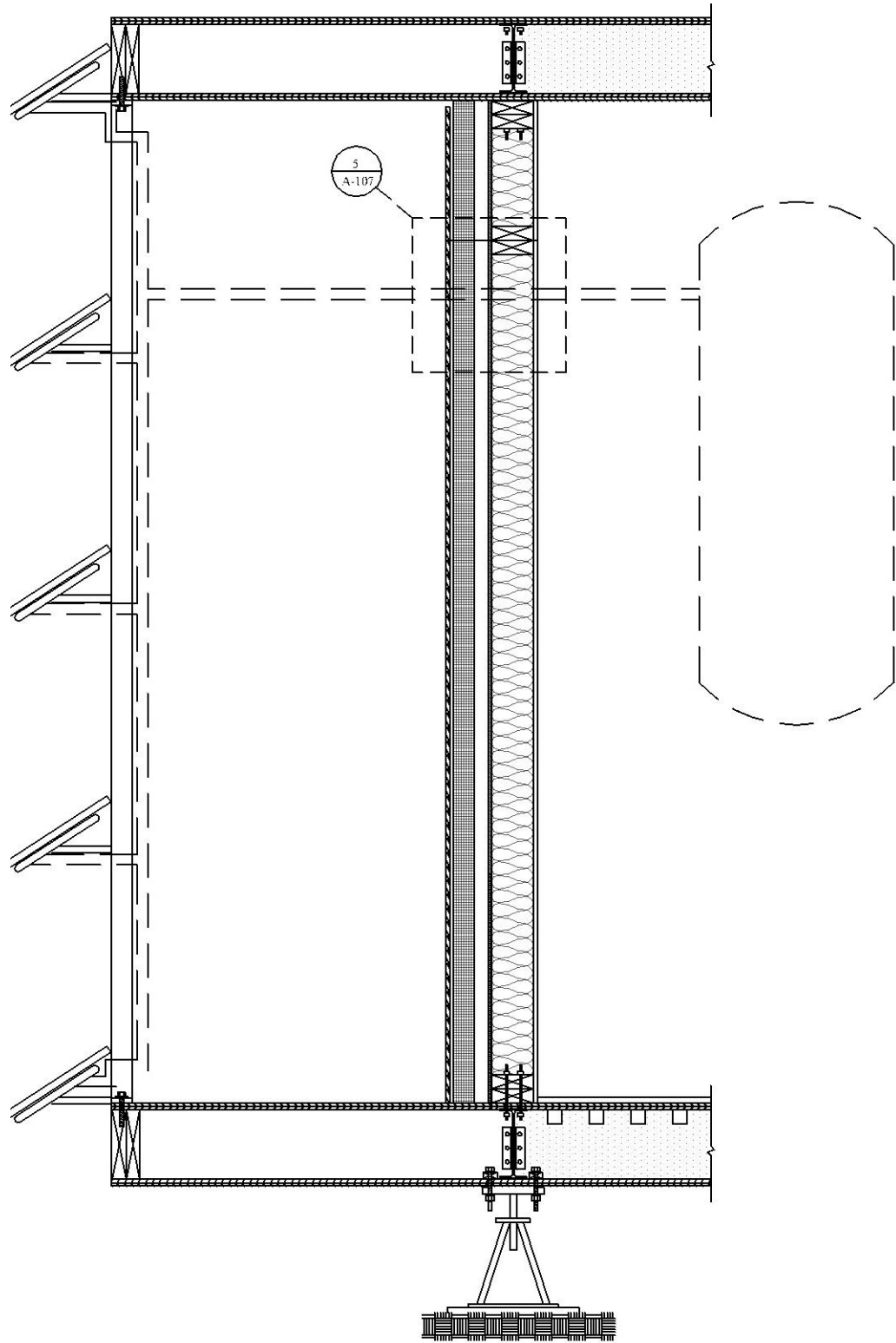
DURA HOUSE

TITLE: ELEVATION

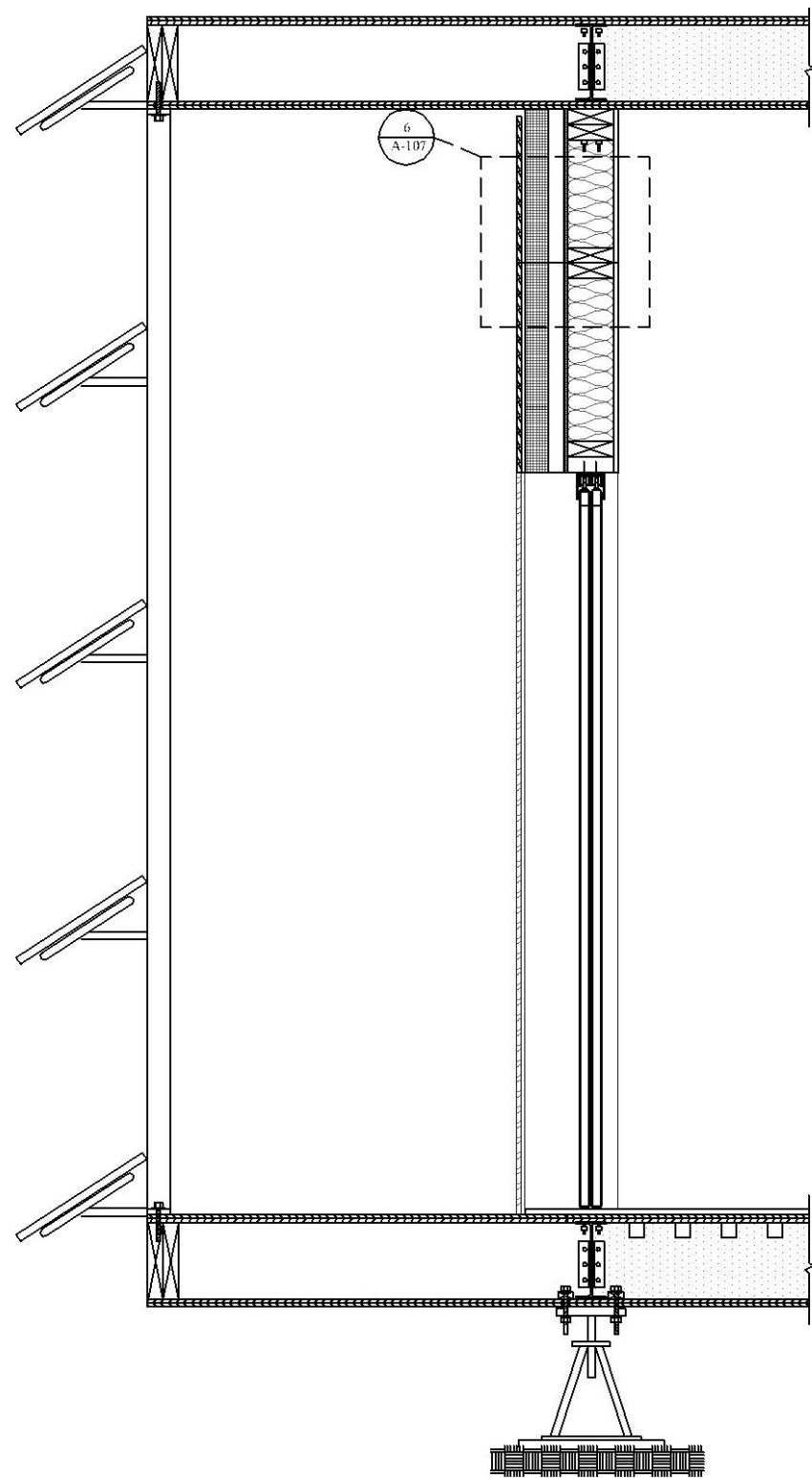
NAME: AMAL HASHEM

NUMBER: A-103

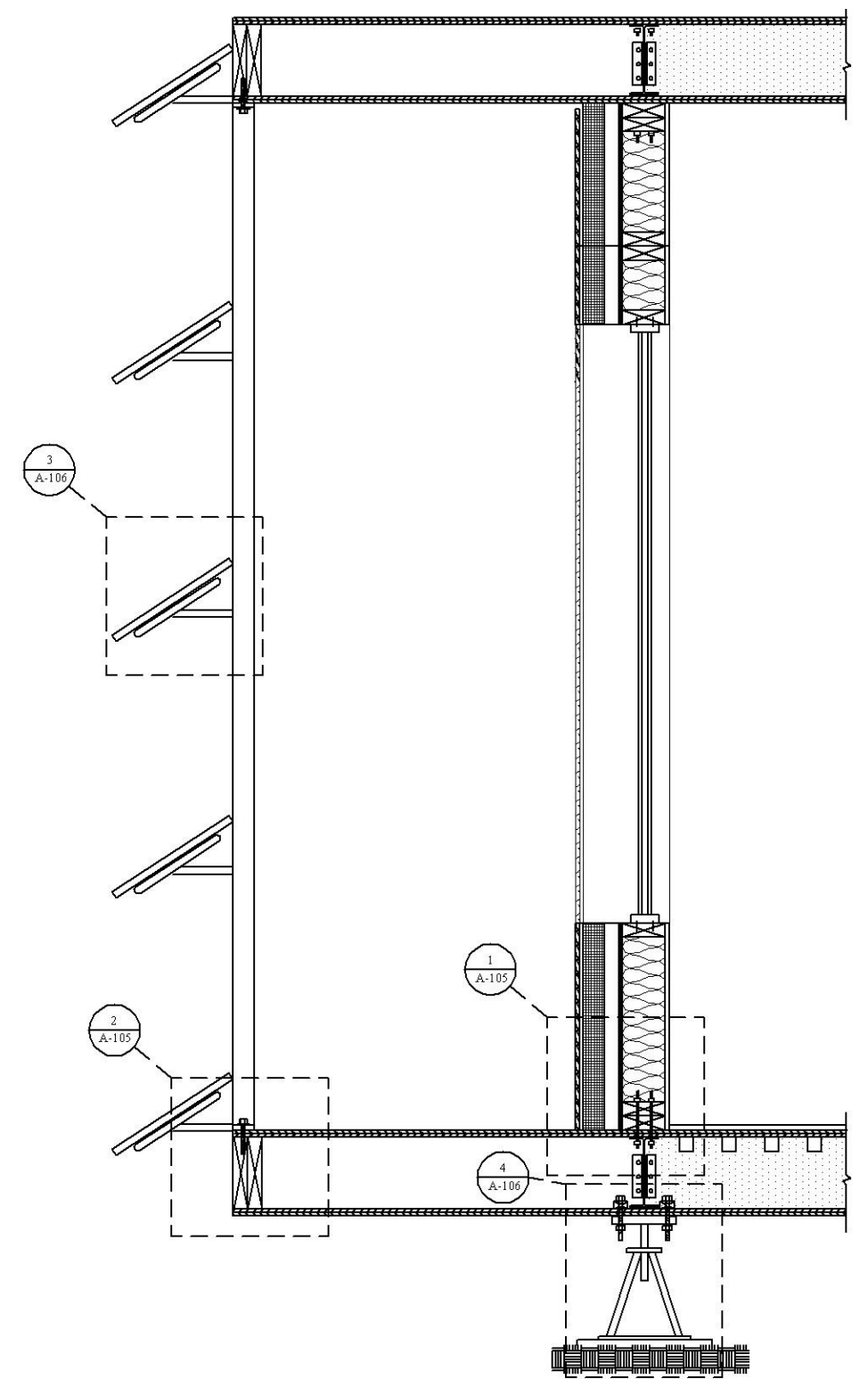
DATE: 05/21/2014



1 TYP WALL SECTION
SCALE - 1/2" = 1'-0"



2 WALL SECTION @ DOOR
SCALE - 1/2" = 1'-0"



3 WALL SECTION @ WINDOW
SCALE = 1/8" =

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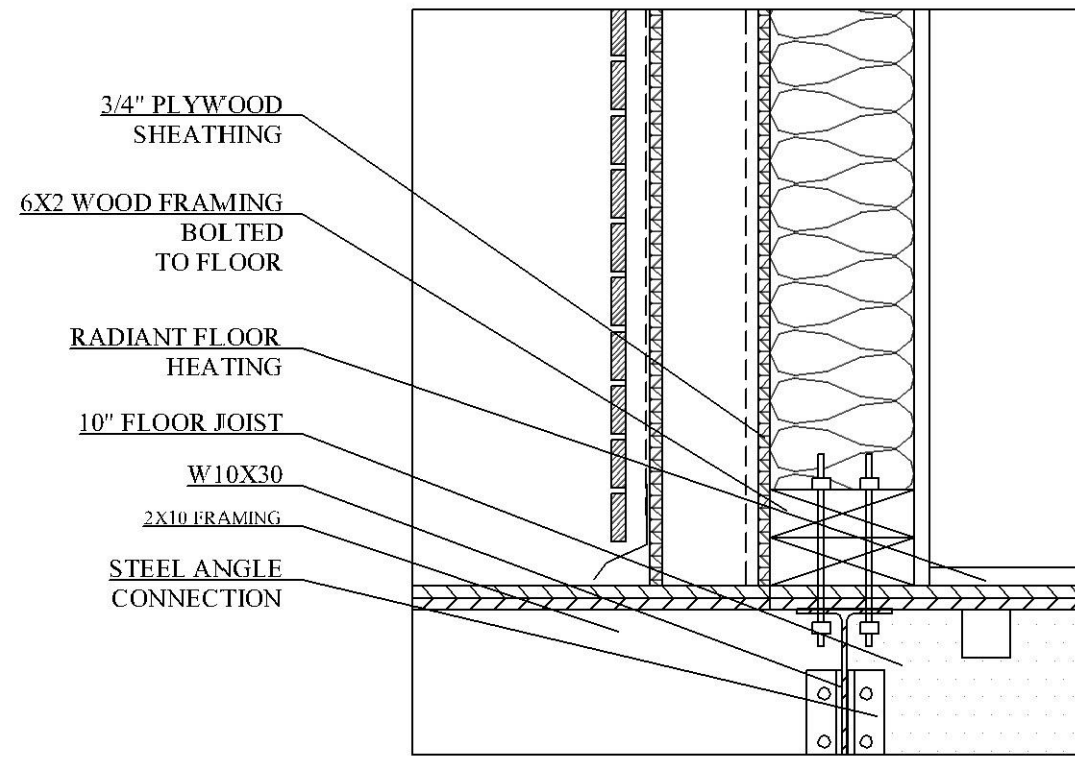
DURA HOUSE

TITLE: WALL ASSEMBLY

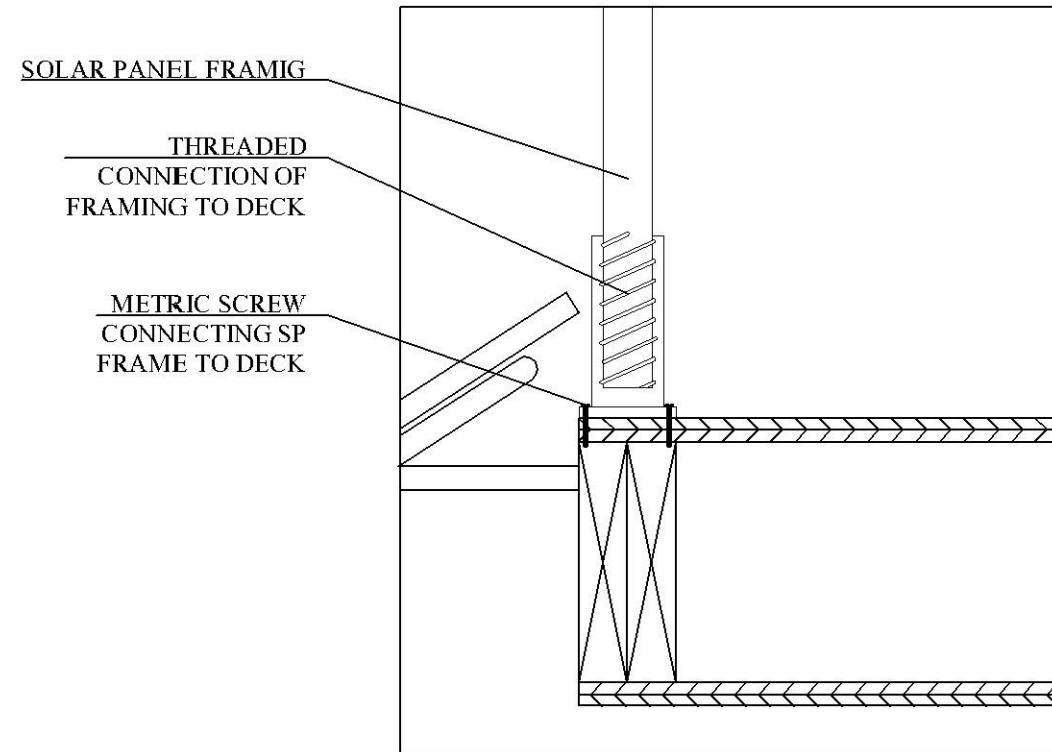
NAME: AMAL HASHEM

NUMBER: A-104

DATE: 05/21/2014



1 DECK TO WALL CONNECTION
SCALE - 1/2" = 1'-0"



2 SOLAR PANELS FRAME AND DECK CONNECTION
SCALE - 1/2" = 1'-0"

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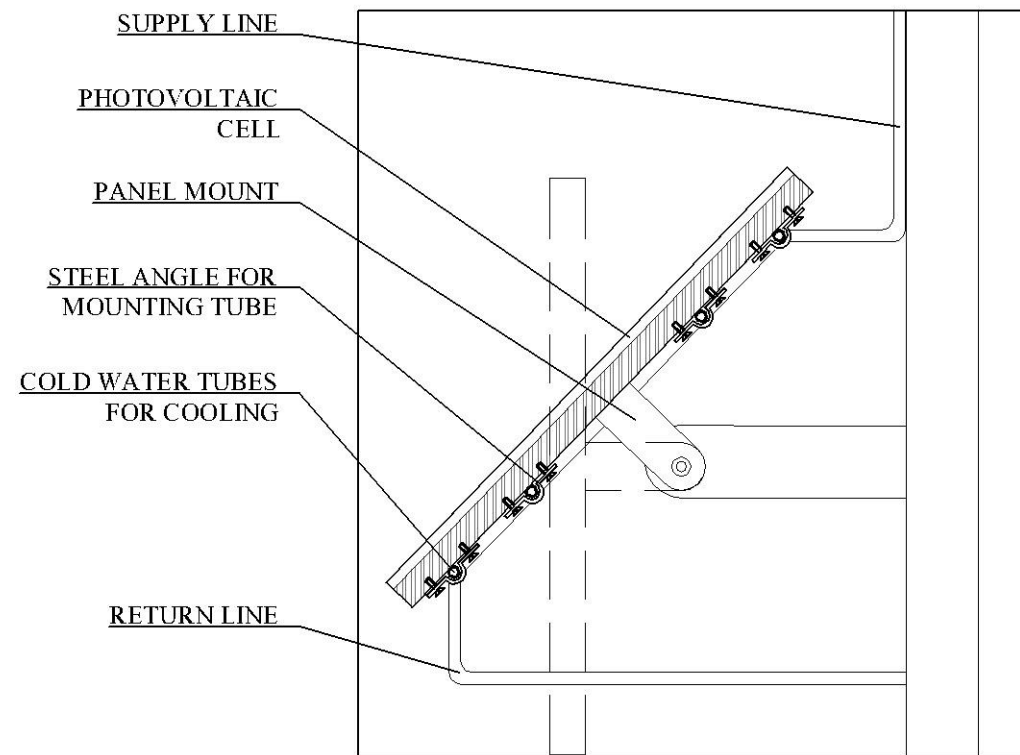
DURA HOUSE

TITLE: DETAILS

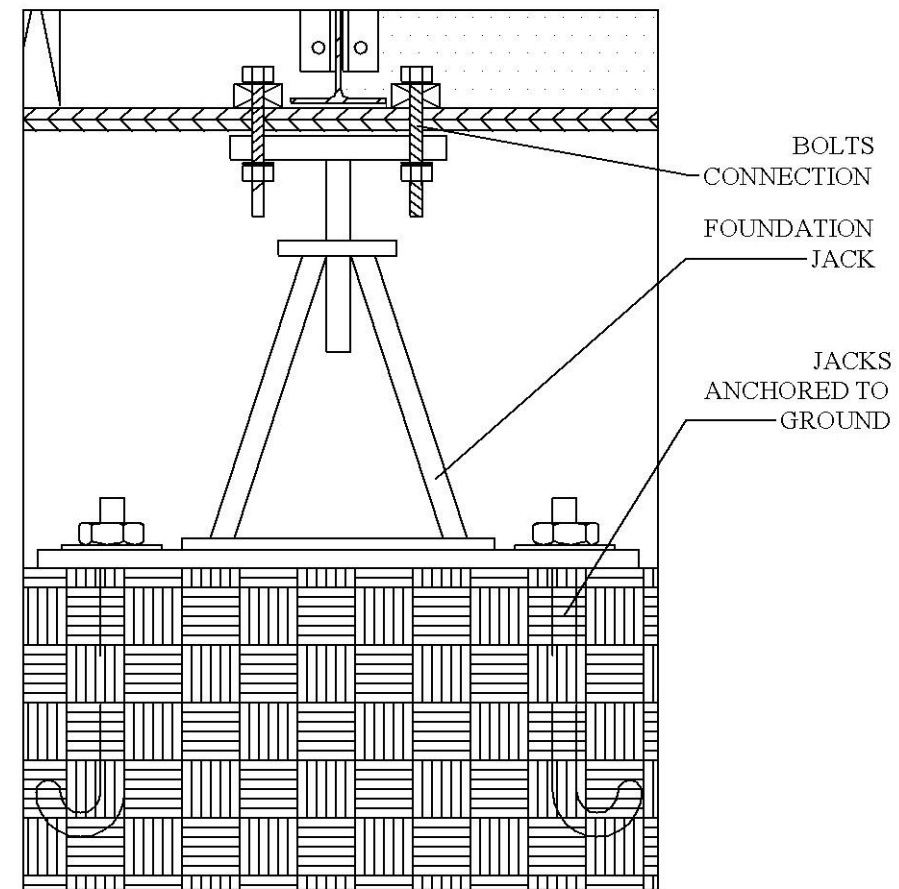
NAME: AMAL HASHEM

NUMBER: A-105

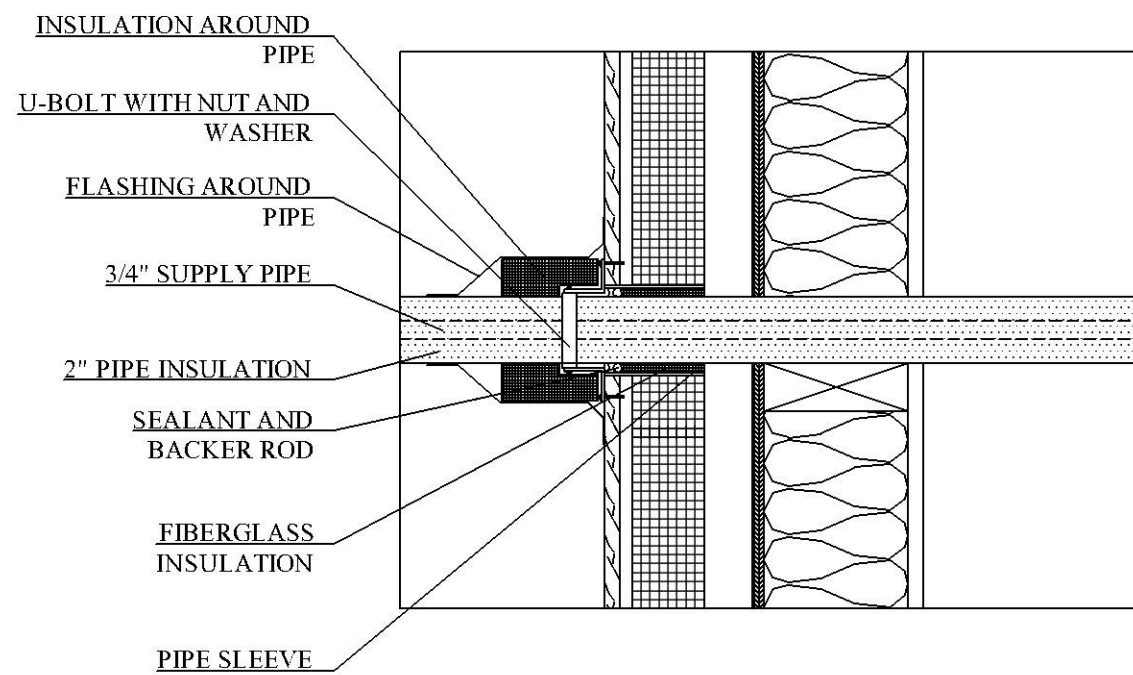
DATE: 05/21/2014



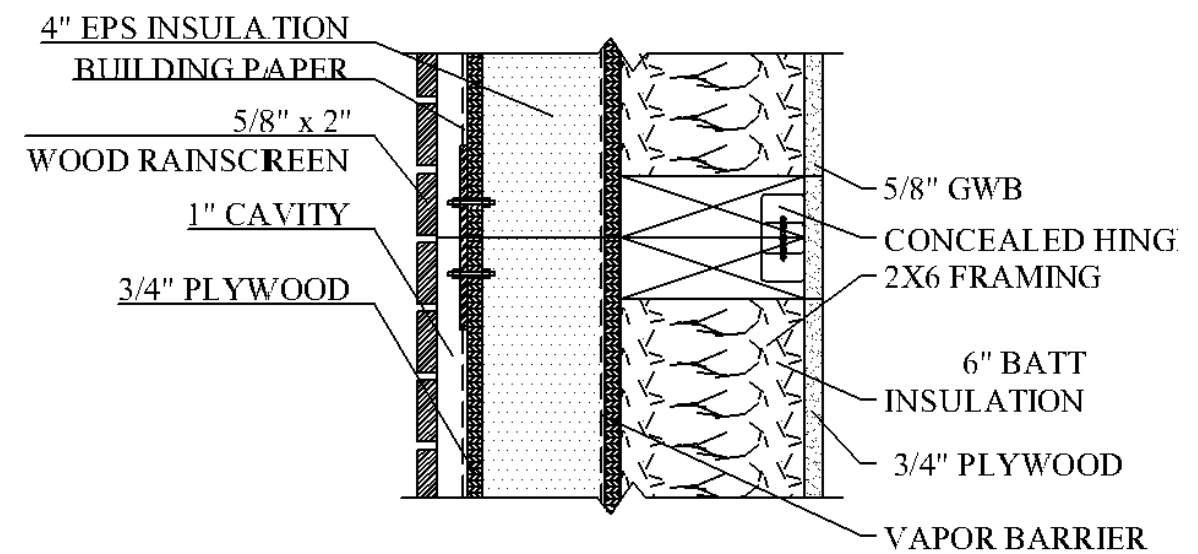
3 SOLAR PANEL DETAIL SCALE = 1 1/2" = 1'-0"



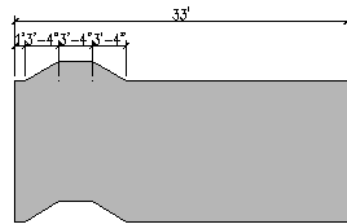
4 FOOTING DETAIL SCALE = 1 1/2" = 1'-0"



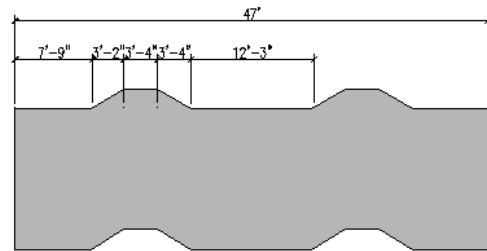
5 PIPE PENITRATION DETAIL
SCALE - 1 1/2" = 1'-0"



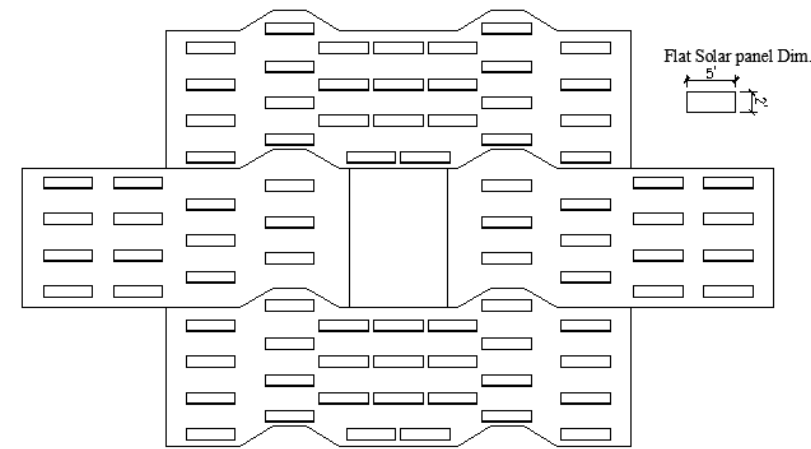
6 HINGE DETAIL OF WALL FOLD
SCALE - 1 1/2" = 1'-0"



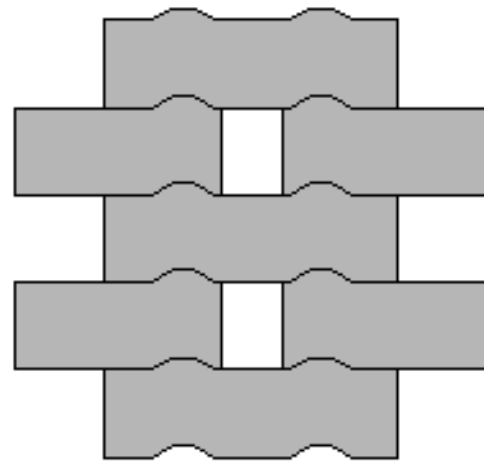
UNIT 1



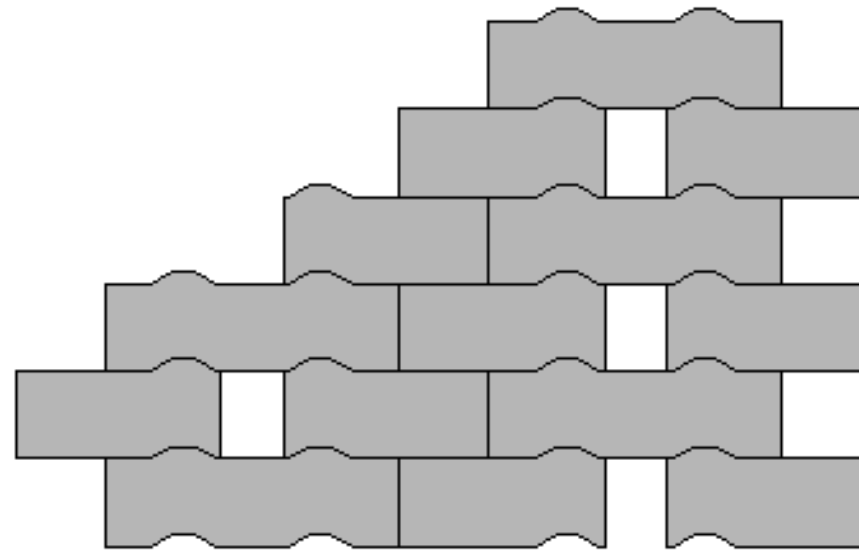
UNIT 2



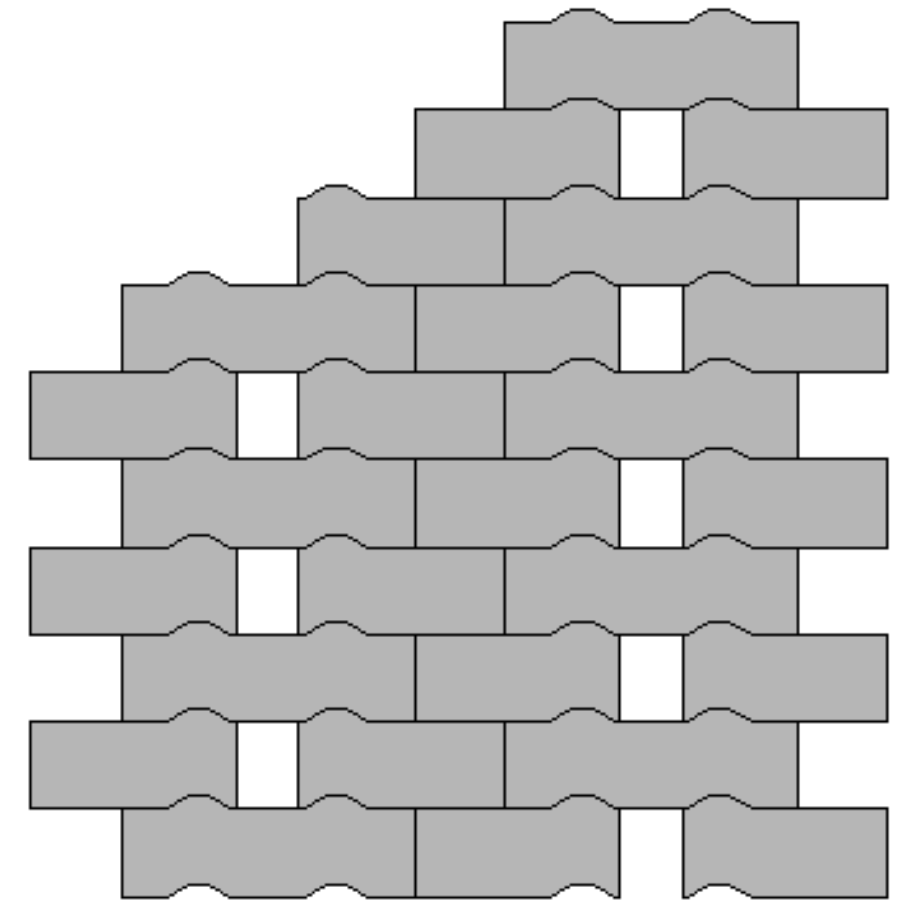
SOLAR PANEL LAYOUT



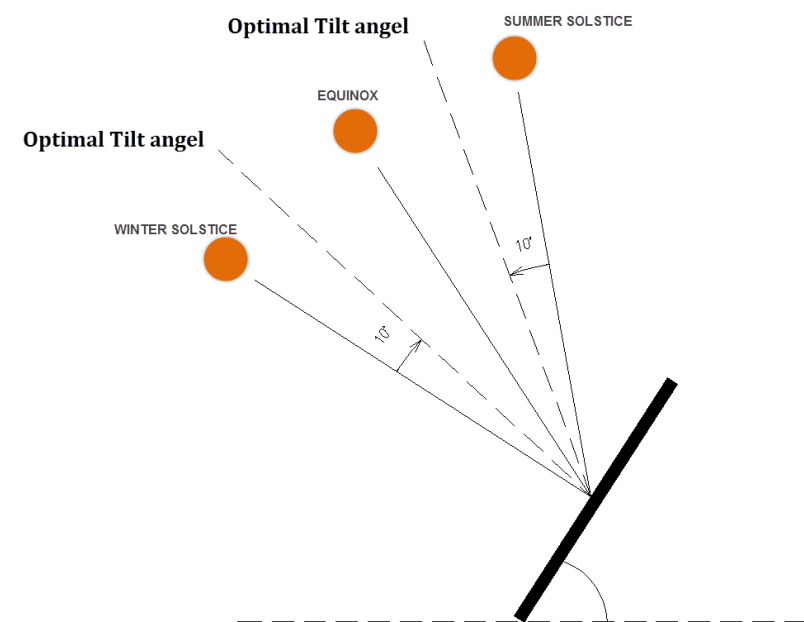
LOW DENSITY UNIT



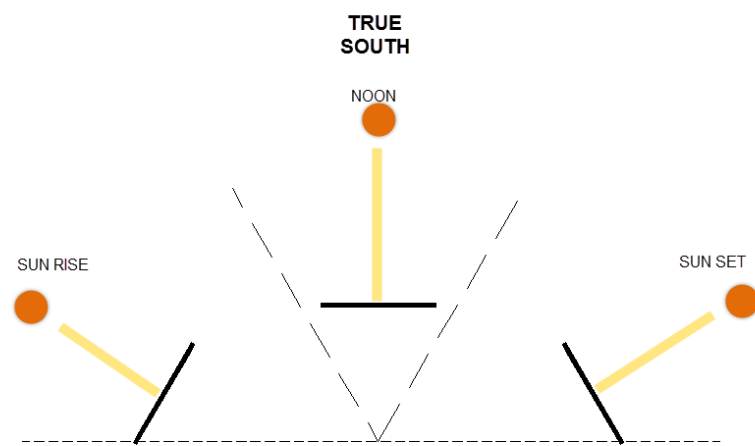
MEDIUM DENSITY UNIT



HIGH DENSITY UNIT

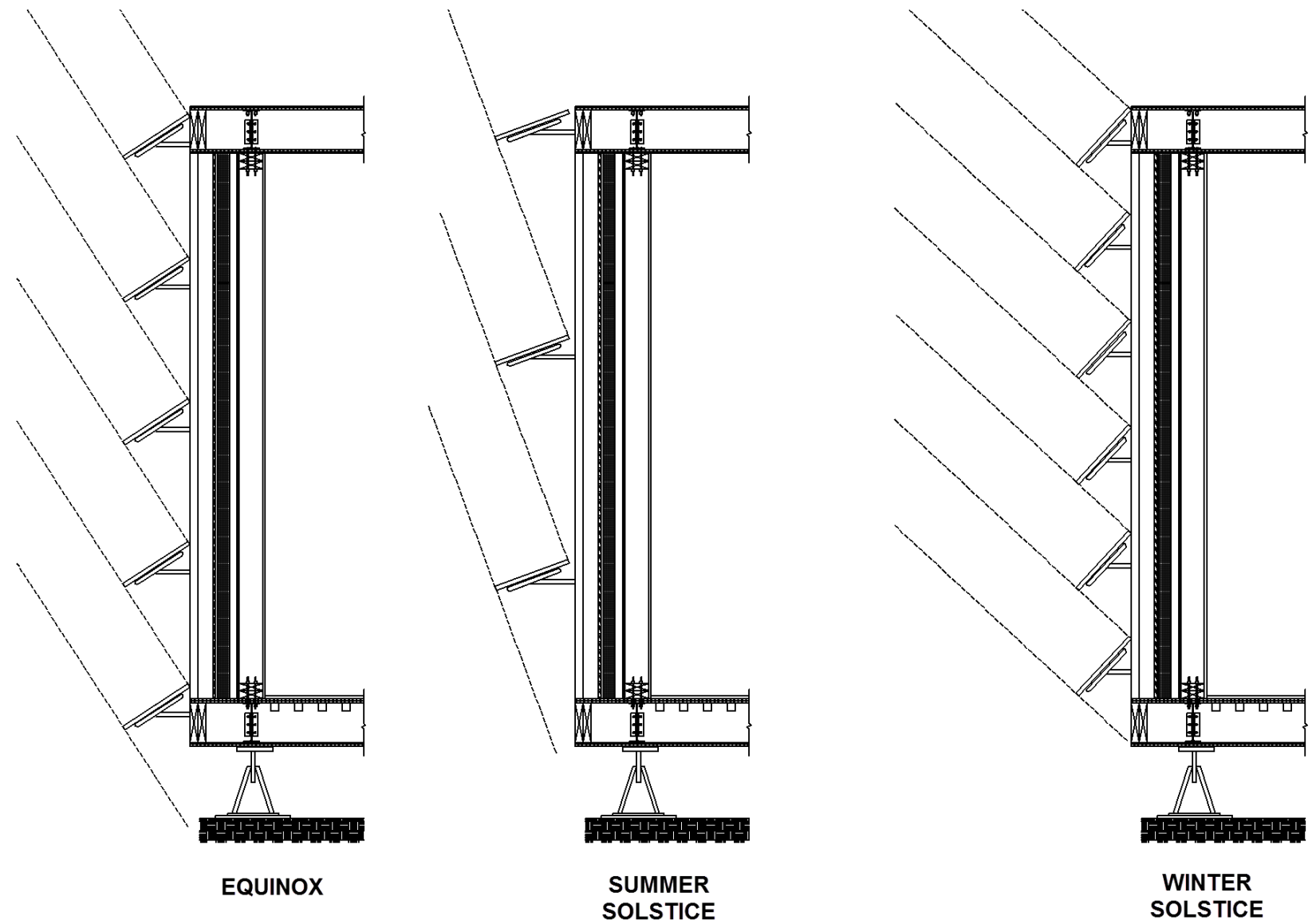


Irvine, California



Irvine, California

SOLAR PANEL TILT



**NEW YORK CITY COLLEGE OF
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DURA HOUSE

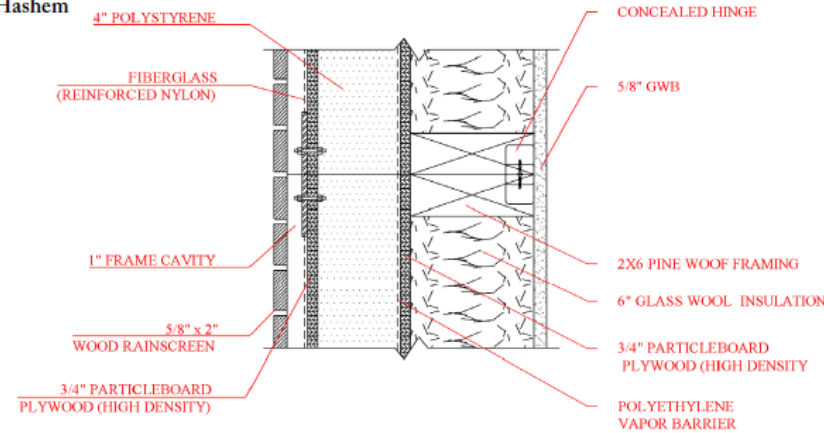
TITLE: SUN ANALYSIS

NUMBER: A-109

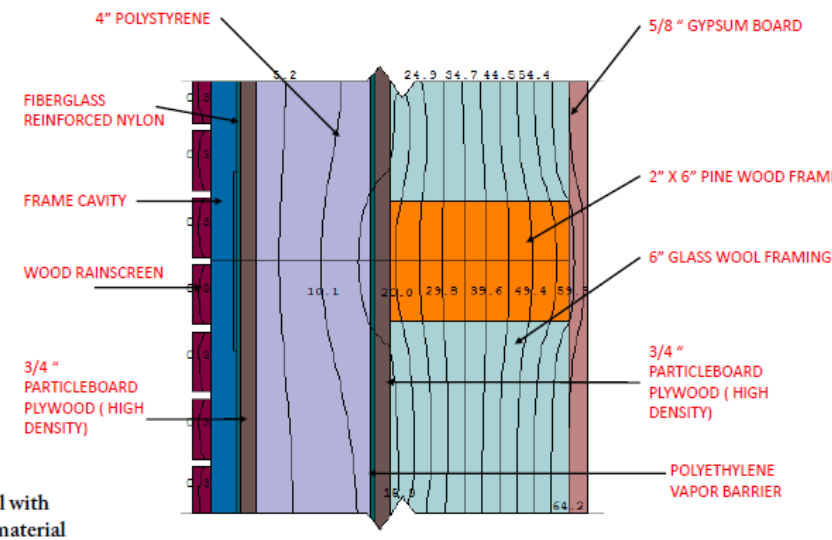
NAME: AMAL HASHEM

DATE: 05/21/2014

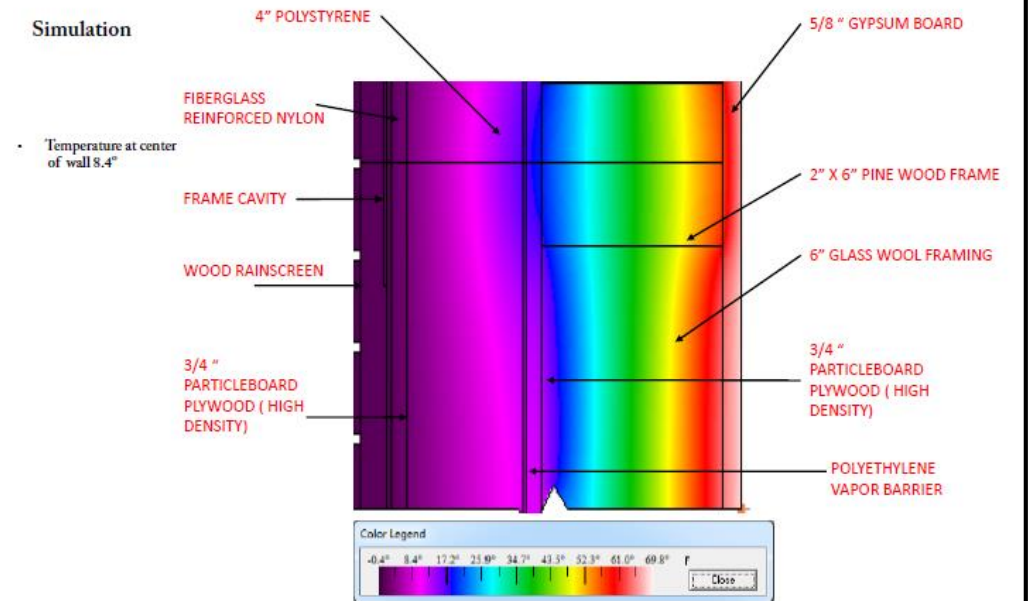
Folding Partition Wall
Detail By: Amal Hashem



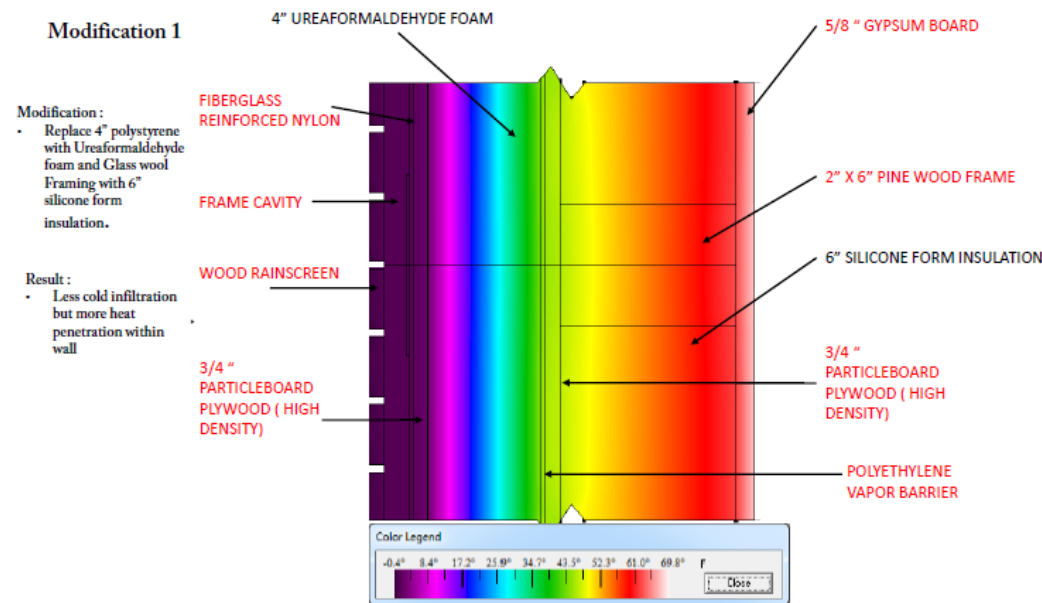
Simulation



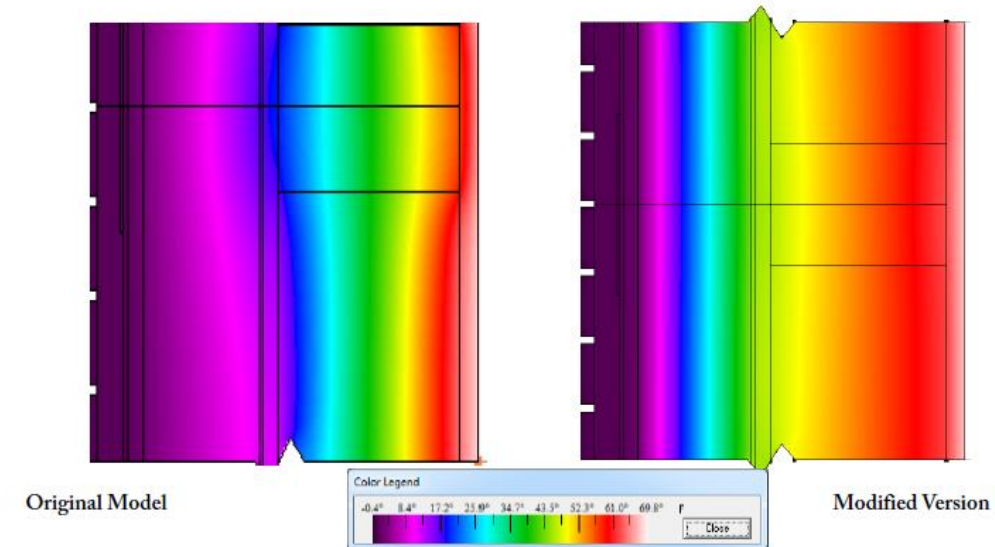
Simulation



Modification 1



Result comparison



Analysis and modification of wall section done by:
Gary Justin
Ousmane Sene