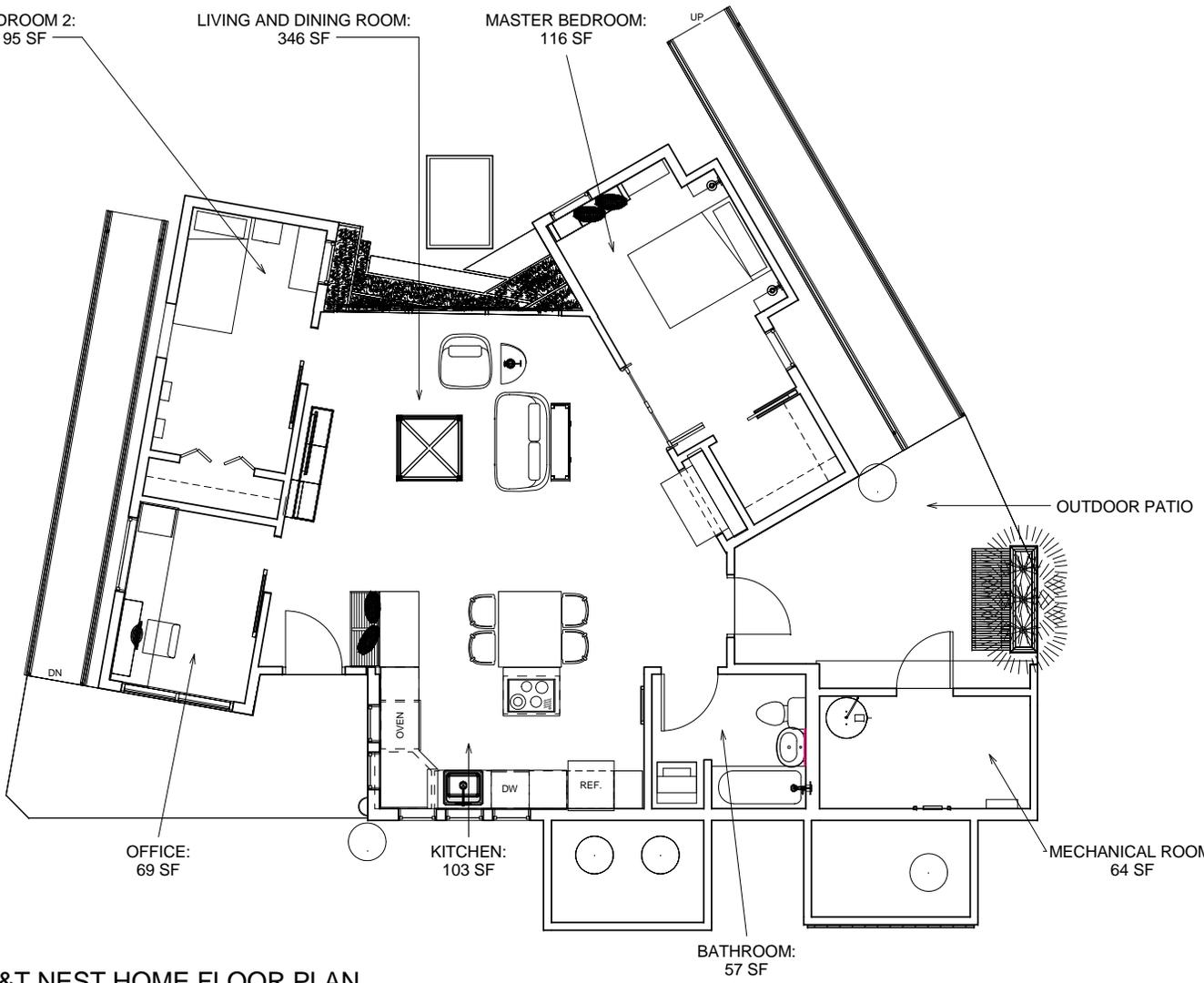


BEDROOM 2:
95 SF

LIVING AND DINING ROOM:
346 SF

MASTER BEDROOM:
116 SF

UP



← OUTDOOR PATIO

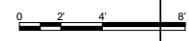
OFFICE:
69 SF

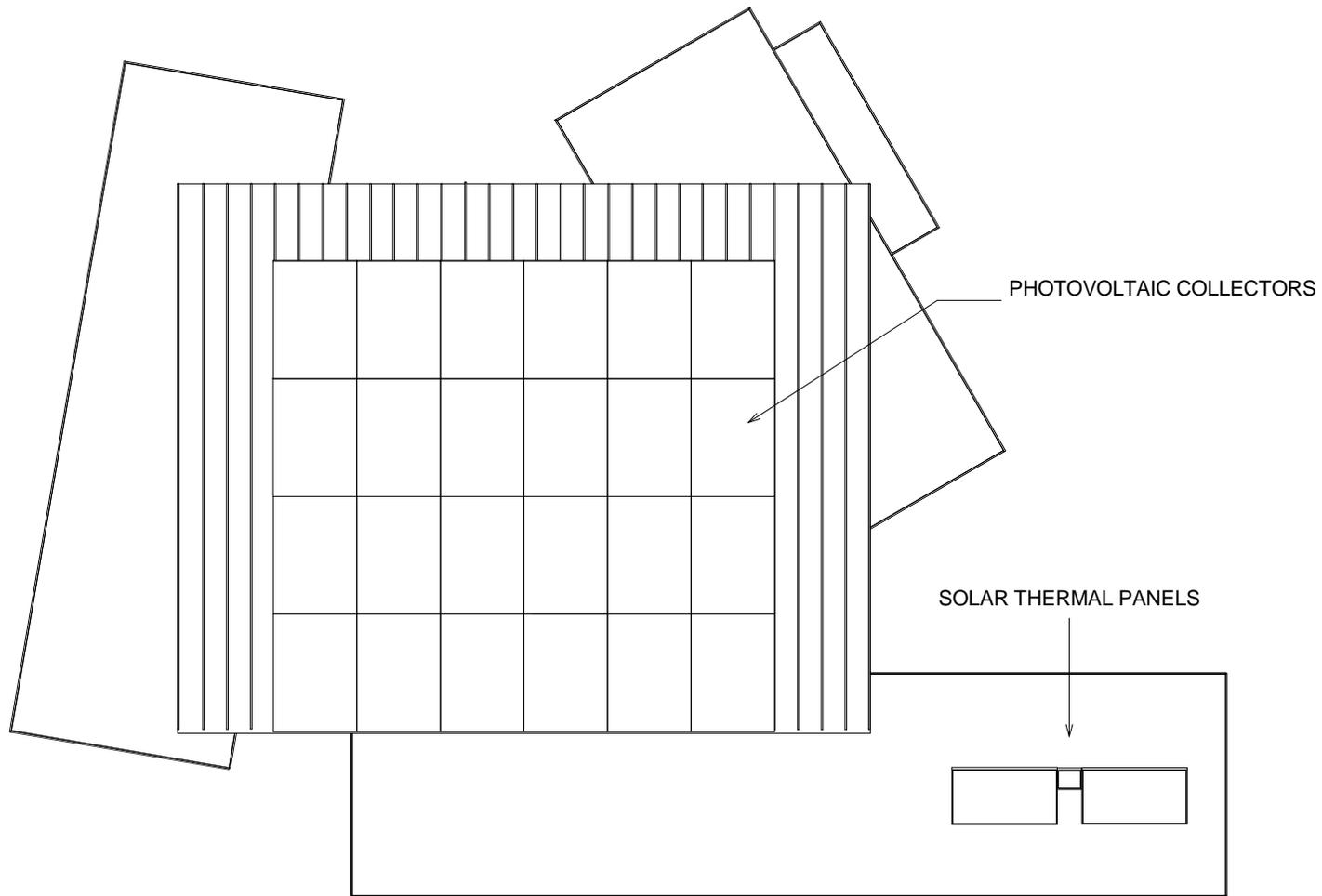
KITCHEN:
103 SF

BATHROOM:
57 SF

MECHANICAL ROOM:
64 SF

1 MISSOURI S&T NEST HOME FLOOR PLAN
1/4" = 1'-0"





1 MISSOURI S&T NEST HOME ROOF PLAN
1/4" = 1'-0"





TEAM NAME: MISSOURI S&T SOLAR HOUSE TEAM
 ADDRESS: 1051 NORTH BISHOP AVENUE
 116 KUMER STUDENT DESIGN CENTER
 ROLLA, MO 65401-11410
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 SOLAR DECATHLON

1	1/20/15	INITIAL RELEASE
2	1/22/15	REV. DOOR OPENINGS
1	01/22/15	Door openings
MARK	DATE	DESCRIPTION

LOT NUMBER: 108
 DRAWN BY: TAR
 CHECKED BY: US DOE SOLAR DECATHLON 2015
 COPYRIGHT: NONE; PROJECT IS PUBLIC DOMAIN

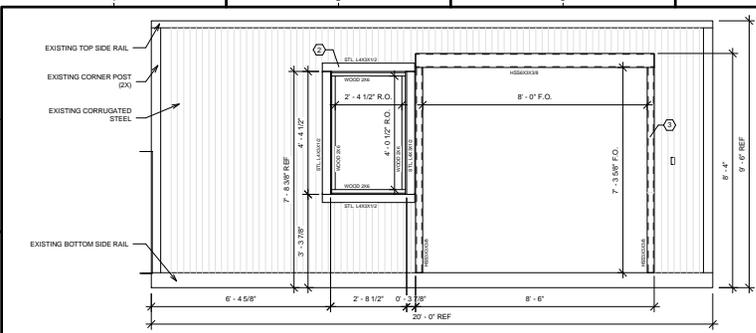
SHEET TITLE
**M. BEDROOM
 CONTAINER CUTOUT
 DETAILS**

S-502

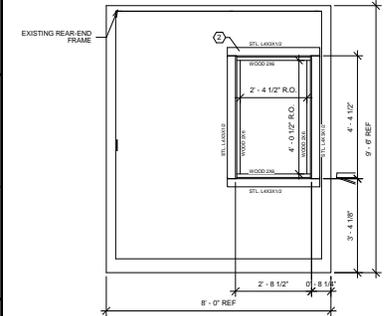
- GENERAL NOTES:**
1. ALL DIMENSIONS SHOWN ARE TO CORRUGATED STL. CUTOUT.
 2. UNLESS OTHERWISE INDICATED ALL STRUCTURAL STEEL IS TO BE SPOT WELDED TO THE CORRUGATED SIDING.
 3. R.O. DIMENSIONS THROUGH OPENING ALLOW FOR 1/4" GAP ALL SIDES. # FINISHED WINDOW WIDTH & HEIGHT F.O. DIMENSIONS (FINISHED OPENING).
 - 4.

S-502 KEY NOTES

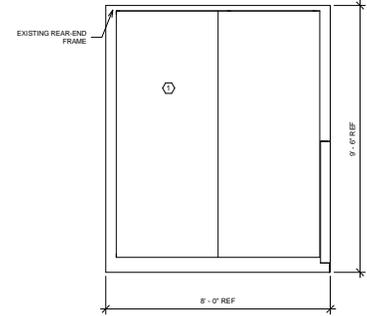
1. WELD CONTAINER DOORS SHUT; LEAVE EXTERIOR HANDLE; REMOVE INTERIOR LOCKING MECHANISM
2. REINFORCE WINDOW TYPE "A" CUT-OUTS W/ L4X3X1/2 STRUCTURAL STEEL FRAME IN WINDOW WITHIN STEEL USING WOOD 2X6
3. FRAME CUT-OUT W/ #5S3X3X3/8 STRUCTURAL STEEL FROM CONTAINER BOTTOM SIDE RAIL TO O.C. CEILING
4. CUT-OUTS FRAMED W/ L4X3X1/2 STRUCTURAL STEEL FROM CONTAINER BOTTOM SIDE RAIL TO F.O. CUT-OUT
5. CONTAINER CUT SECTION REINFORCED W/ #5S3X3X3/8 STRUCTURAL STEEL VERTICALLY BETWEEN BOTTOM & CONTAINER TOP SIDE RAILS, HORIZONTALLY BETWEEN CONTAINER BOTTOM & TOP SIDE RAILS



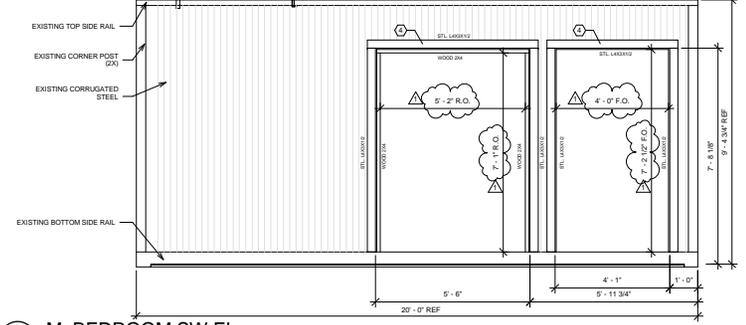
D1 M. BEDROOM NE EL.
 1/2" = 1'-0"



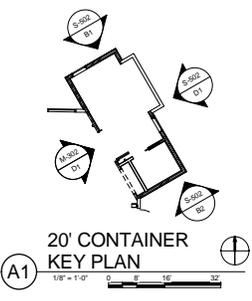
B1 M. BEDROOM NW EL.
 1/2" = 1'-0"



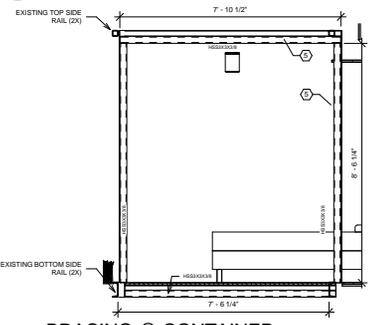
B2 M. BEDROOM SE EL.
 1/2" = 1'-0"



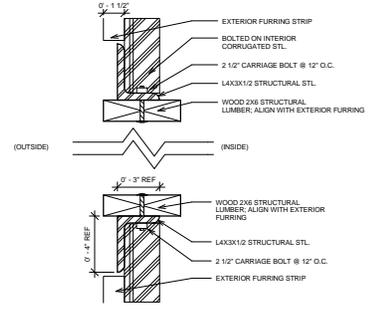
B4 M. BEDROOM SW EL.
 1/2" = 1'-0"



A1 20' CONTAINER KEY PLAN
 1/8" = 1'-0"

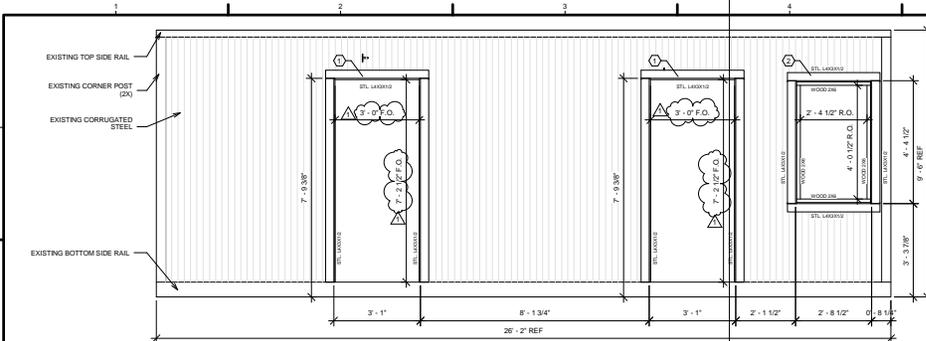


A4 BRACING @ CONTAINER CUT SECTION, TYP.
 1/2" = 1'-0"

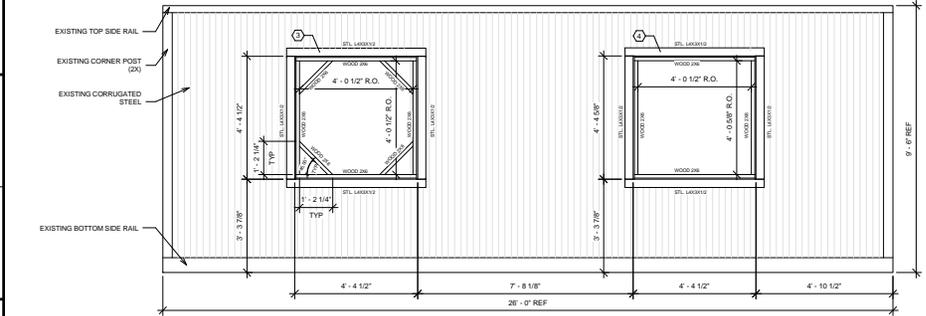


A6 WINDOW FRAMING DETAIL, TYP.
 3/4" = 1'-0"

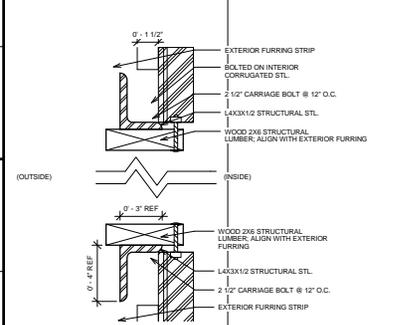
8/17/2015 5:13:02 AM



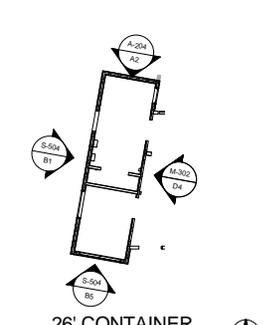
(D1) BEDROOM & OFFICE CONTAINER SE EL.
1/2" = 1'-0"



(B1) BEDROOM & OFFICE CONTAINER NW EL.
1/2" = 1'-0"



(A1) WINDOW FRAMING DETAIL, TYP.
3" = 1'-0"

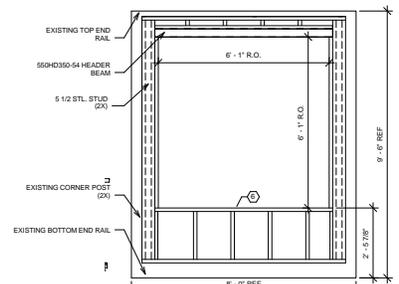


(A3) 26' CONTAINER KEY PLAN
1/8" = 1'-0"

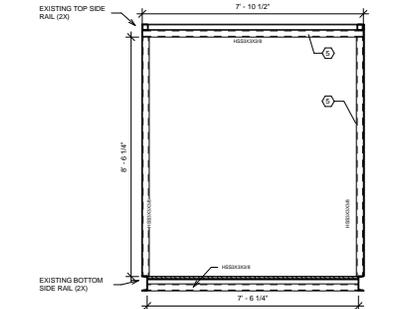
- GENERAL NOTES:**
1. ALL DIMENSIONS SHOWN ARE TO CORRUGATED STL. CUT-OUT.
 2. UNLESS OTHERWISE INDICATED ALL STRUCTURAL STEEL IS TO BE SPOT WELDED TO THE CORRUGATED BEING.
 3. R.O. DIMENSIONS (ROUGH OPENING) ALLOW FOR 1/4" GAP ALL SIDES @ FINISHED WINDOW WIDTH & HEIGHT.
 4. F.O. DIMENSIONS (FINISHED OPENING).

S-504 KEY NOTES

1	CUT-OUTS FRAMED W/ L4x3x1/2 STRUCTURAL STEEL FROM CONTAINER BOTTOM SIDE RAIL TO T.O. CUT-OUT
2	REINFORCE WINDOW CUT-OUTS W/ L4x3x1/2 STRUCTURAL STEEL. FRAME IN WINDOW WITHIN STEEL USING WOOD 2x6
3	FRAME IN SQUARE CUT-OUT W/ L4x3x1/2. FRAME IN ROUND WINDOW WITHIN STEEL USING WOOD 2x6
4	REINFORCE CUT-OUT OF TYPE "O" WINDOW USING STEEL L4x3x1/2. FRAME IN VALLEY WINDOW WITHIN STEEL USING WOOD 2x6
5	CONTAINER CUT SECTION REINFORCED W/ HES3X3X8 STRUCTURAL STEEL VERTICALLY BETWEEN BOTTOM & CONTAINER TOP SIDE RAILS. HORIZONTALLY BETWEEN CONTAINER BOTTOM & TOP SIDE RAILS.
6	CONTAINER DOOR REMOVED & REPLACED W/ WOOD 2x4 STUDS BOLTED TO CONTAINER FRAME. WINDOWS FRAMED WITHIN WOOD STUDS



(B5) BEDROOM & OFFICE CONTAINER SW EL.
1/2" = 1'-0"



(A5) BRACING @ CONTAINER CUT SECTION, TYP.
1/2" = 1'-0"

THE NEST HOME
MISSOURI STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

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SHEET TITLE
BEDROOM & OFFICE CONTAINER

S-504

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