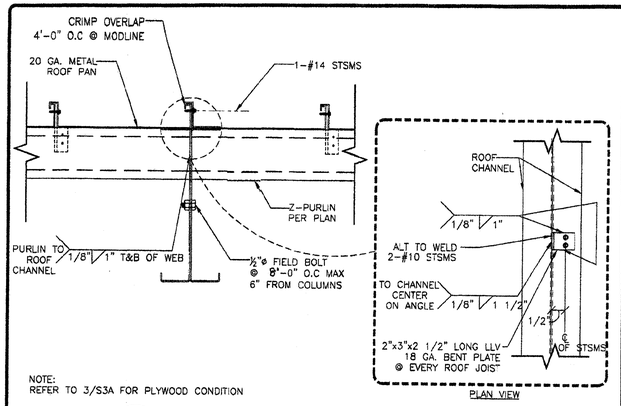
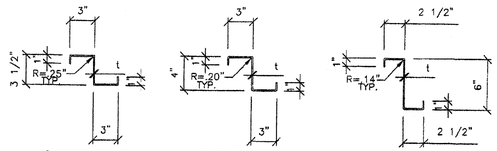


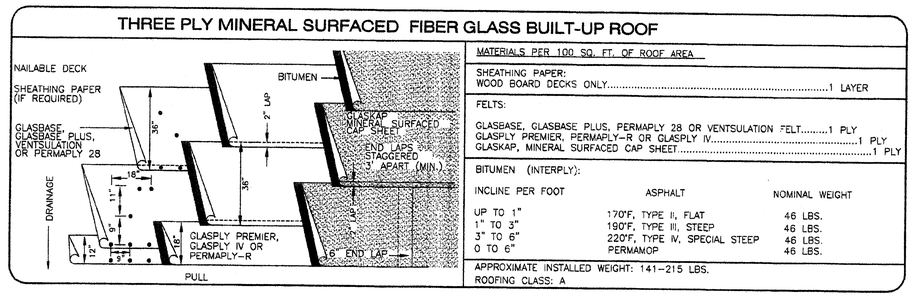
NOTE:
REFER TO 3/S3A FOR PLYWOOD CONDITION

1 S3.1 **ROOF BEAM CONNECTION DETAIL**
1 1/2"=1-0"

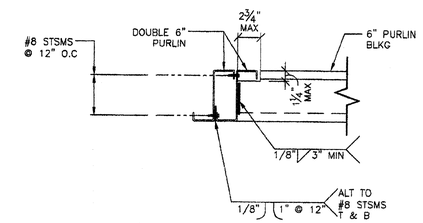


JOIST FABRICATED FROM ASTM A1011 GRADE 36. HOT ROLLED SHEETS, JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

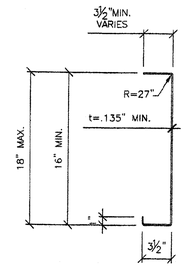
4 S3.1 **Z PURLINS PROPERTIES**
1 1/2"=1-0"



7 S3.1 **THREE PLY MINERAL BUILT-UP ROOF**
1 1/2"=1-0"



2 S3.1 **BLOCKING DETAIL**
1 1/2"=1-0"

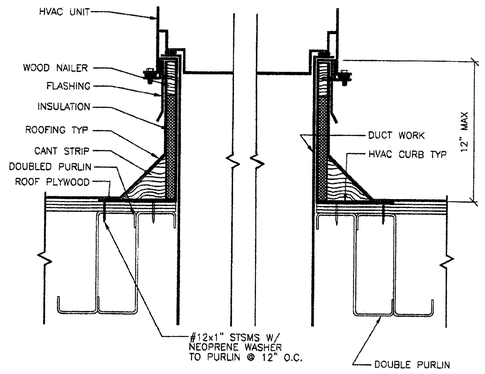


TYPICAL SECTION

d	16"	18"
A	3.29 IN.^{2}	3.57 IN.^{2}
SxMIN.	13.50 IN.^{3}	16.08 IN.^{3}
IxMIN.	111.01 IN.^{4}	148.5 IN.^{4}

BEAM FABRICATED FROM ASTM A1011 GR50 W/RUST INHIBITIVE COATING.

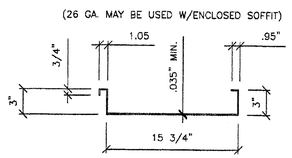
5 S3.1 **LONGITUDINAL ROOF BEAM**
1 1/2"=1-0"



8 S3.1 **HVAC CURB DETAIL ANCHORAGE**
3"=1-0"

- GENERAL NOTES -

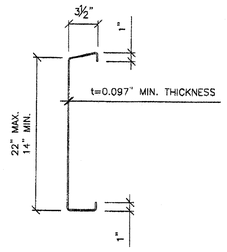
1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.



$S_x^+(t) = 0.418\ IN^3$
$S_x^-(b) = 1.412\ IN^3$
$I_x^+ = 0.968\ IN^4$

PAN FABRICATED FROM ASTM A1011 GRADE 50, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.

3 S3.1 **20 GA. ROOF PAN**
1 1/2"=1-0"



TYPICAL SECTION

d	14"	22"
A	2.25 IN.^{2}	3.07 IN.^{2}
SxMIN.	8.87 IN.^{3}	17.07 IN.^{3}
IxMIN.	62.10 IN.^{4}	187.8 IN.^{4}

BEAM FABRICATED FROM ASTM A1011 GR36 W/RUST INHIBITIVE COATING.

6 S3.1 **12 GA. ROOF CHANNEL**
1 1/2"=1-0"

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 04/28/09
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS
ROOF FRAMING DETAILS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
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americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1419
EXP. 3-31-11
Structural Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
62 112884
AC. FLS SS
DATE 4/18/11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109701
AC. FLS SS
DATE 6/19/09

PROJECT No.

S3.1

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