

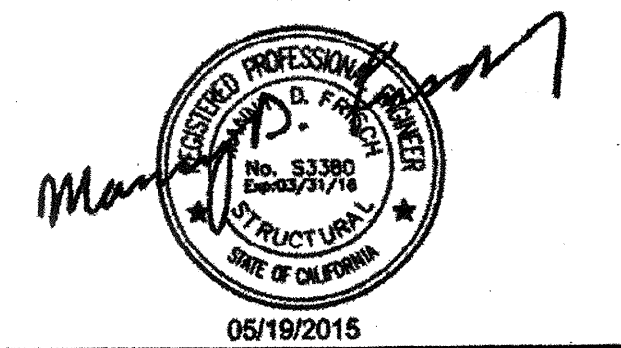
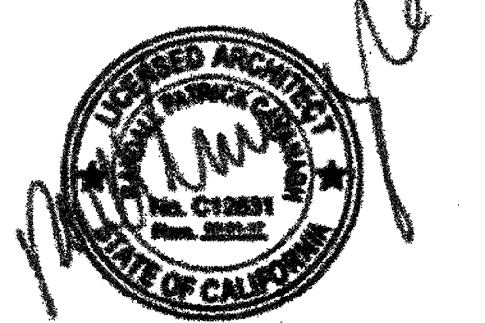
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PRE-CHECKED SET NAME
**24' x 40' THRU 120' x 40'
2:12 PITCHED ROOF**

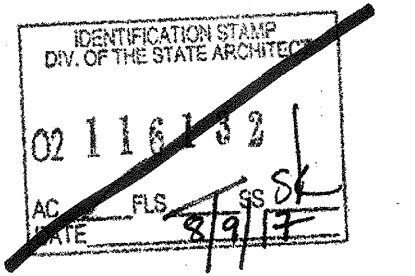
SITE SPECIFIC PROJECT NAME

SHEET TITLE
ROOF FRAMING DETAILS

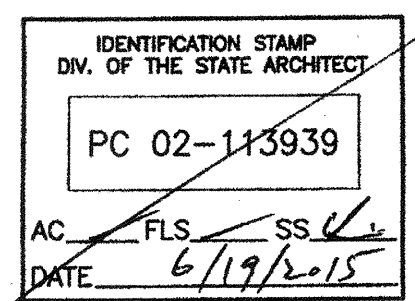
MANUFACTURER PROFESSIONAL OF RECORD ON PC



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



PRE-CHECK (PC) DOCUMENT - CODE: 2013 CBC
SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS

DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
S4.2

NOT USED

MATERIALS PER 100 SQ. FT. OF ROOF AREA

SHEATHING PAPER: WOOD BOARD DECKS ONLY.....	1 LAYER	
FELTS:		
GLASBASE, GLASBASE PLUS, PERMAPLY 28 OR VENTUSULATION FELT...1 PLY		
GLASPLY PREMIER, PERMAPLY-R OR GLASPLY IV.....	1 PLY	
GLASKAP, MINERAL SURFACED CAP SHEET.....	1 PLY	
BITUMEN (INTERPLY):		
INCLINE PER FOOT	ASPHALT	NOMINAL WEIGHT
0 TO 1"	170°F, TYP.E II, FLAT	46 LBS.
1" TO 3"	190°F, TYP.E III, STEEP	46 LBS.
3" TO 6"	220°F, TYP.E IV, SPECIAL STEEP	46 LBS.
0 TO 6"	PERMAPOP	46 LBS.

APPROXIMATE INSTALLED WEIGHT: 141-215 LBS.
ROOFING CLASS: A

NOT USED

SEE 10/S4.1 FOR OPTIONAL CLIP ANGLE
SEE 9/S4.1 FOR OPTION WITH SHEATHING

CRIMP OVERLAP 4'-0" O.C. MODLINE
METAL ROOF PAN
1-#14 x 3/4" STSMS w/ NEOPRENE WASHER THRU RB
ROOF CHANNEL
1/8" x 1"
ALT TO WELD 2-#10 STSMS
ROOF PURLIN PER PLAN
2 3/4" x 2 3/4" x 2" LONG 18 GA. BENT PLATE @ EVERY ROOF JOIST
1/2" OF STSMS OR WELDS
1/8" x 2-1" @ 3" O.C.
1/2" FIELD BOLT @ 10'-0" O.C. MAX 6" FROM COLUMNS. (SEE 5/S4.2 FOR OPTIONAL TIE PLATE TO BE USED IN LIEU OF BOLTS)

PLAN VIEW

1 **ROOF BEAM CONNECTION DETAIL** SCALE: 1 1/2"=1'-0"

2 **THREE PLY MINERAL BUILT-UP ROOF** SCALE: 1 1/2"=1'-0"

#8 STSMS @ 12" O.C.
DOUBLE 6" PURLIN
2 3/4" MAX
6" PURLIN BLK.
1/2" MAX
1/8" x 3" MIN.
ALT TO #8 STSMS T & B
1/8" x 1" @ 12"

3 **BLOCKING DETAIL** SCALE: 1 1/2"=1'-0"

NOT USED

HVAC UNIT
WOOD NAILER
FLASHING
INSULATION
ROOFING TYP.
CANT STRIP
DOUBLED PURLIN
ROOF PLYWOOD
(2)-#10 SMS PER EACH SIDE, UNIT TO CURB
DUCT WORK
HVAC CURB TYP.
12" MAX
DOUBLE PURLIN
#12x1" STSMS W/ NEOPRENE WASHER TO PURLIN @ 12" O.C.

4 **HVAC CURB DETAIL ANCHORAGE** SCALE: 1 1/2"=1'-0"

NOTE: REFER TO APPROVED PLANS FOR ADDITIONAL NOTES AND DETAILS

3 1/2" x 0" x 10GA @ 8'-0" O.C. MAX W/(10) #12 SMS WITH 1ST PLATE 6" MAX FROM COLUMNS
TYPICAL ROOF Z-PURLINS
TYPICAL LONGITUDINAL ROOF BEAMS
10"
A-A
A-A
PLATE DETAIL

5 **OPTIONAL ROOF TIE PLATE** SCALE: 1 1/2"=1'-0"

CRIMP PANEL OVER CONSECUTIVE PANEL TYP.
2-#10 x 1 1/2" STSMS
7/8" MAX.
5/8" MIN.
2"
OPTIONAL TIE-DOWN CLIP 2"x3"x18 GA 3" LONG

NOTE: MECHANICALLY CRIMP EACH STANDING SEAM ENTIRELY. MECHANICALLY CRIMP PANELS OVER ALL CLIPS.

7 **ROOF DETAIL (OPTIONAL ROOF PAN CLIP)** SCALE: 1 1/2"=1'-0"

#12 STSMS @ EACH PAN RIB
PANEL EDGE ATTACHMENT PER SCHEDULE
PLYWOOD ROOF SHTHG (OR ROOF PAN)
ROOF FLASHING CAP
ROOF PURLIN PER PLAN TYP.
20 GA. CONT. BENT PLATE BTW PLWD ROOF SHTHG (OR ROOF PAN) & Z PURLIN

8 **ALT. ENCLOSED SOFFIT STEEL PROFILE** SCALE: 1 1/2"=1'-0"

NOT USED

PURLIN TO T & B FLANGES
BOUNDARY NAILING PER SCHEDULE
1/8" x 2" x 10 STSMS ON TO CEE
BOUNDARY NAILING PER SCHEDULE
1/8" x (2)-1" @ 3" O.C.
#10 SMS @ 12" O.C. TYP. @ EA. PANEL EDGE
NOTE: REFER TO DETAIL 1/S3A FOR ADDITIONAL CONNECTIONS

9 **SIDE WALL OVERHANG DETAIL (OPTIONAL)** SCALE: 1 1/2"=1'-0"

10 **NOT USED**

12 **NOT USED**

13 **NOT USED**

14 **NOT USED**

15 **GENERAL NOTES**

1. THE MATERIAL THICKNESS OF LIGHT GAUGE STRUCTURAL MEMBERS, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ON SHEET SO.0 THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.