

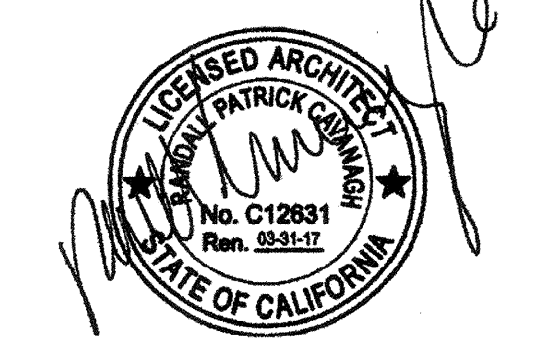
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PRE-CHECKED SET NAME
24' x 40' THRU 120' x 40'
2:12 PITCHED ROOF

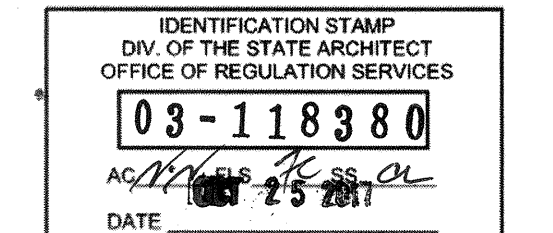
SITE SPECIFIC PROJECT NAME

SHEET TITLE
ROOF PLAN

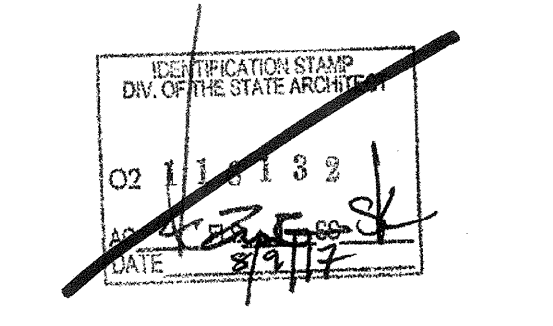
MANUFACTURER PROFESSIONAL OF RECORD ON PC



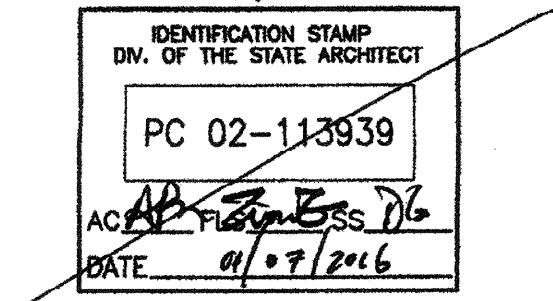
AGENCY TRACKING NO. 53321-241
FILE NO. 15-6



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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

REVISIONS

DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER

A2.0

- ① OSB SHEATHING
- ② NOT USED
- ③ GUTTER - SEE 5/A2.1
- ④ ROOF SLOPE
- ⑤ ROOF MOUNT HVAC UNITS - SEE MECHANICAL PLANS, DETAIL 14/M-1
ATTIC MOUNT HVAC UNITS - SEE DETAIL 3/M-5
- ⑥ NOT USED
- ⑦ NOT USED
- ⑧ STANDING SEAM METAL ROOF - SEE DETAILS ON SHEET A2.1
- ⑨ TPO ROOF OPTION - SEE DETAILS ON SHEET A2.1
- ⑩ SOLATUBE SKY LIGHTS -
- ⑪ RIDGE AT DUAL OPTION SLOPE
- ⑫ PIPE VENT - SEE PLUMBING PLANS

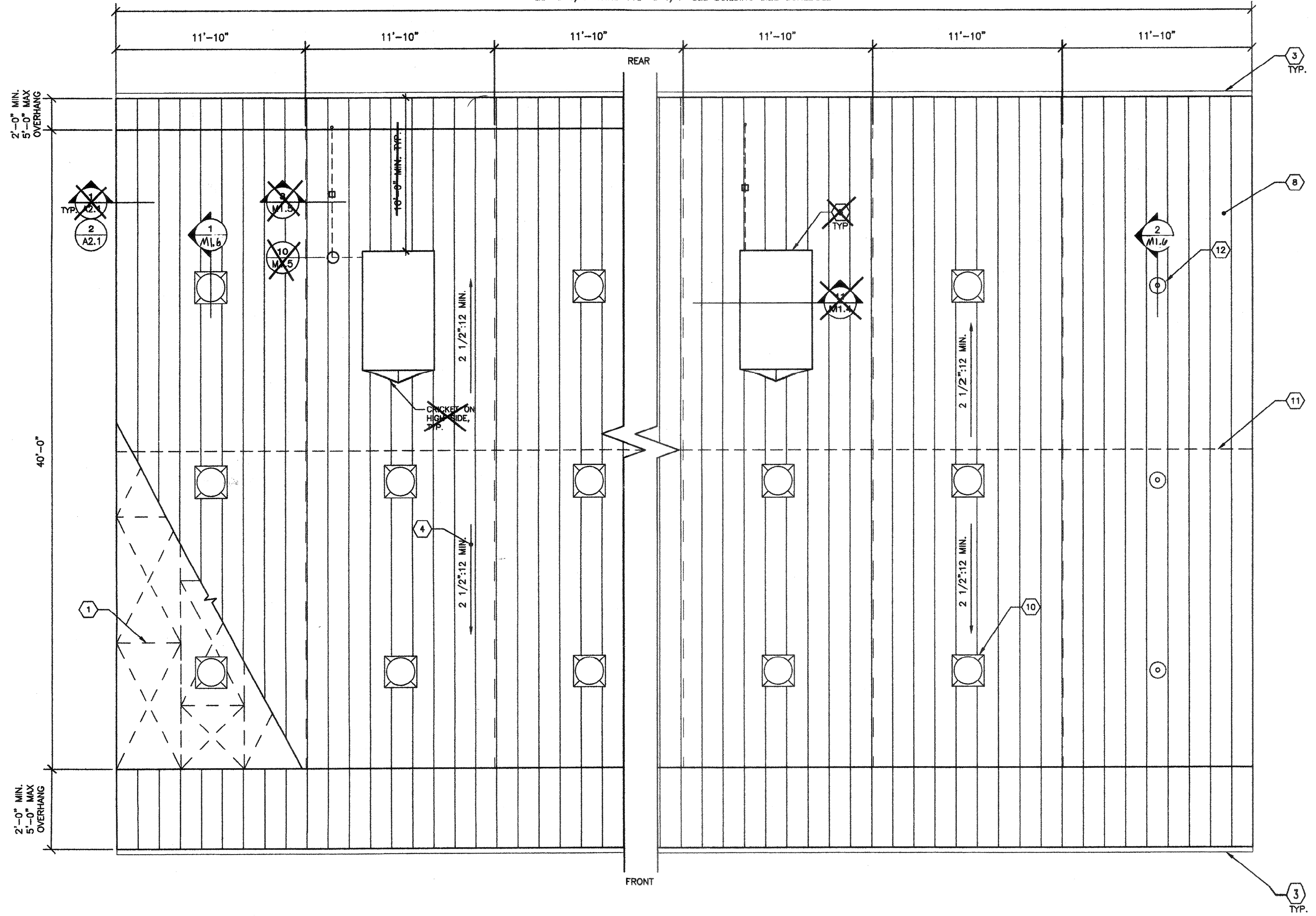
KEY NOTES

1. REQUIRED SOLAR-READY ZONE, AREA PER THE CHART BELOW, MUST BE PROVIDED ON BUILDING ROOF.
2. ZONE MUST BE LEFT VOID OF ROOF-MOUNTED HVAC UNITS, SKYLIGHTS OR OTHER OBSTRUCTIONS THAT WOULD HINDER FUTURE INSTALLATION OF SOLAR SYSTEM COMPONENTS, INCLUDING PV PANELS.
3. TOTAL AREA REQUIRED FOR SOLAR-READY ZONE DOES NOT NEED TO BE LOCATED IN ONE AREA BUT CAN BE SPREAD OUT OVER ROOF.
4. SOLAR-READY ZONE SHALL NOT INCLUDE ROOF OVERHANGS, AND SOLAR SYSTEM COMPONENTS MAY NOT BE PLACED THERE.
5. THE ROOF STRUCTURE HAS BEEN DESIGNED PER THE DESIGN LOADS SPECIFIED ON SHEET TS WITH A DESIGN ROOF DEAD LOAD OF 14.8 PSF WHICH MAY NOT INCLUDE ADDITIONAL LOADS FROM SOLAR EQUIPMENT THAT MIGHT BE INSTALLED AT A LATER DATE.
6. EQUIPMENT SUCH AS SOLAR MODULES, INVERTERS, AND METERING EQUIPMENT DO NOT NEED TO BE INSTALLED, NOR DOES CONDUIT, PIPING, OR PRE-INSTALLED MOUNTING HARDWARE.
7. A STRUCTURAL ENGINEER OF RECORD SHOULD BE CONSULTED PRIOR TO ANY FUTURE SOLAR INSTALLATIONS TO DETERMINE THE ADEQUACY OF THE ROOF FRAMING TO SUSTAIN THE LOADS OF THE INSTALLATION ON THE BUILDING STRUCTURE.
8. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.

REQUIRED SOLAR-READY ZONE

BUILDING	MAX. ROOF AREA (SQ. FT.)	REQ'D ZONE AREA (SQ. FT.)
□ 24' x 40'	1200	180
□ 36' x 40'	1800	270
□ 48' x 40'	2400	360
☒ 60' x 40'	3000	450
☒ 72' x 40'	3600	540
□ 84' x 40'	4200	630
□ 96' x 40'	4800	720
□ 108' x 40'	5400	810
□ 120' x 40'	6000	900

23'-8 1/4" THRU 118'-6 1/4" SEE BUILDING SIZE SCHEDULE



TYPICAL ROOF PLAN

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

ROOF AREA DRAINS (WITH 5'+2' OVERHANGS)

BUILDING SIZE (NOM.)	ROOF AREA	MINIMUM No. OF DRAINS	SIZE OF DRAIN
□ 24' x 40'	1128	1	2x3
□ 36' x 40'	1692	1	2x3
□ 48' x 40'	2256	1	2x3
☒ 60' x 40'	2820	1	2x3
☒ 72' x 40'	3384	2	2x3
□ 84' x 40'	3948	2	2x3
□ 96' x 40'	4512	2	2x3
□ 108' x 40'	5076	2	2x3
□ 120' x 40'	5640	2	2x3

- NOTES:**
1. DOWNSPOUTS & LEADERS PER C.P.C. 1106.1 AND TABLE 1101.11.
 2. PC DOWNSPOUT SIZING BASED ON ROOF AREA AND MAX RAINFALL RATE OF 3" PER HOUR. SITE SPECIFIC BUILDING MAY UTILIZE LOCAL RAINFALL RATE--PROVIDE SITE RAINFALL RATE TO DETERMINE MINIMUM NUMBER OF DRAINS REQUIRED.

BUILDING DRAIN SCHEDULE

NOT USED

2 NOT USED

3 NOT USED

4 SOLAR-READY ZONE REQUIREMENTS

82-11035 - 24' x 40' THRU 120' x 40' NON-RESIDENTIAL ROOF SHEET 11/17/2016 9:52 AM