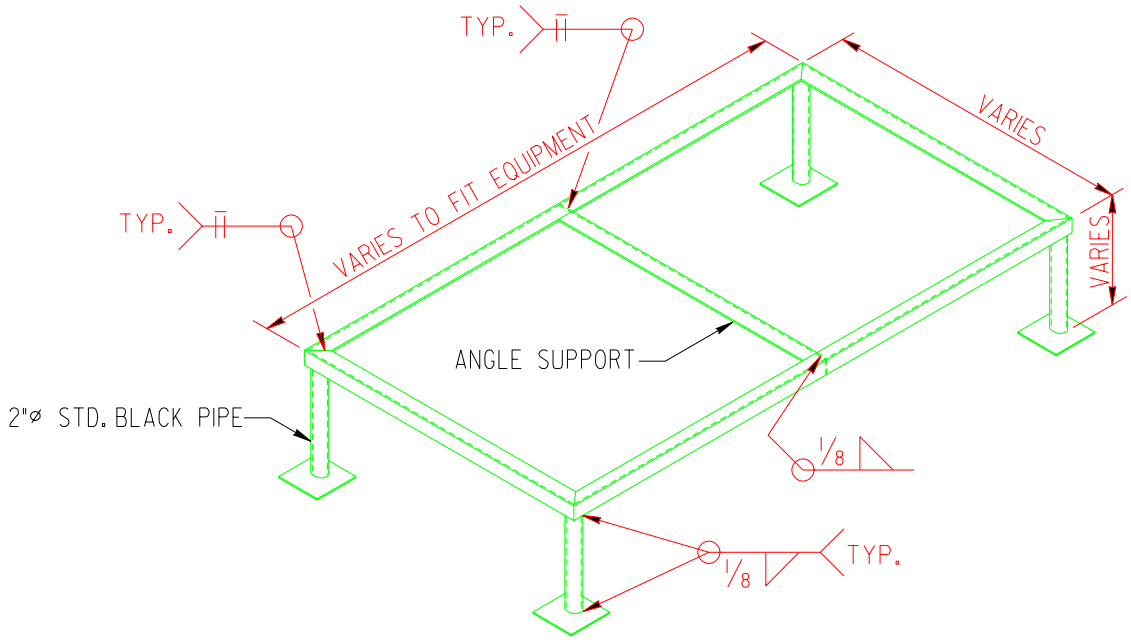
OLD FILE NAME: 094171/A1

PREPARED BY:	SANDIA NATIONAL LABORATORIES FACILITIES ENGINEERING	DETAIL NO.: AE5022
CHECKED BY:		SCALE: NONE
DATE: 6-15-01 / REV: C	ROOF MOUNTED EQUIPMENT STAND△ (FLAT ROOF)	ARCHITECTURAL STDROF.DGN



EQUIPMENT STAND SPECS		
EQUIPMENT WEIGHT	ANGLE SIZE	BASE PLATE
< 150 lbs.	L 2"x2"x3/16"	PL 3/16"x4"x4"
150-350 lbs.	L 2"x2"x3/16"	PL 3/16"x6"x6"
350-600 lbs.	L 2"x2"x3/16"	PL 3/16"x8"x8"
> 600 lbs.	*	*

* SIZE TO BE SPECIFIED BY STRUCTURAL ENGINEER.
** HORIIZONTAL AND/OR CROSS BRACING.

EQUIP. STAND HEIGHT	
EQUIP. WIDTHS	HT. OF LEGS
< 24"	14 IN.
25" TO 36"	18 IN.
37" TO 48"	24 IN.
49" TO 60"	30 IN. **
> 60"	48 IN. **

NOTE:

STAND SHALL BE FABRICATED AND FIELD FITTED TO EQUIPMENT TO ENSURE ADEQUATE SUPPORT AND FIT.

CROSS-ANGLES SHALL BE PROVIDED FOR THE FOLLOWING CONDITIONS:

1. WHEN REQUIRED TO PROVIDE ADEQUATE CONNECTION OF EQUIPMENT△ (eg. MOTOR MOUNT, OR, ELIMINATE CANTILEVER EFFECT AND POSSIBLE TIPPING OF STAND DUE TO OVERTURNING MOMENT).
2. WHEN STAND LENGTH IS ≥ 4'-0", LATERAL BRACING SHALL BE PROVIDED @ 2'-0" O.C. (SUPPORT-ANGLE TO BE SAME SIZE AS FRAME MEMBERS).
3. WHEN NEEDED DUE TO UNIQUE EQUIPMENT CONNECTION, TO AVOID RESONANCE ASSOCIATED VIBRATION PROBLEMS, ECT.

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