



All

COMPUTER PROGRAM	SCP	MAP	NCP	NONE	PROGRAM NO.(S)	VERSION / RELEASE NO.
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

0	Initial Issue	JCO	1-15-87	EA	1-16-87	Jw	4-2-87		
No.	Description	By	Date	Checked	Date	Approved	Date	Approved	Date

REVISIONS

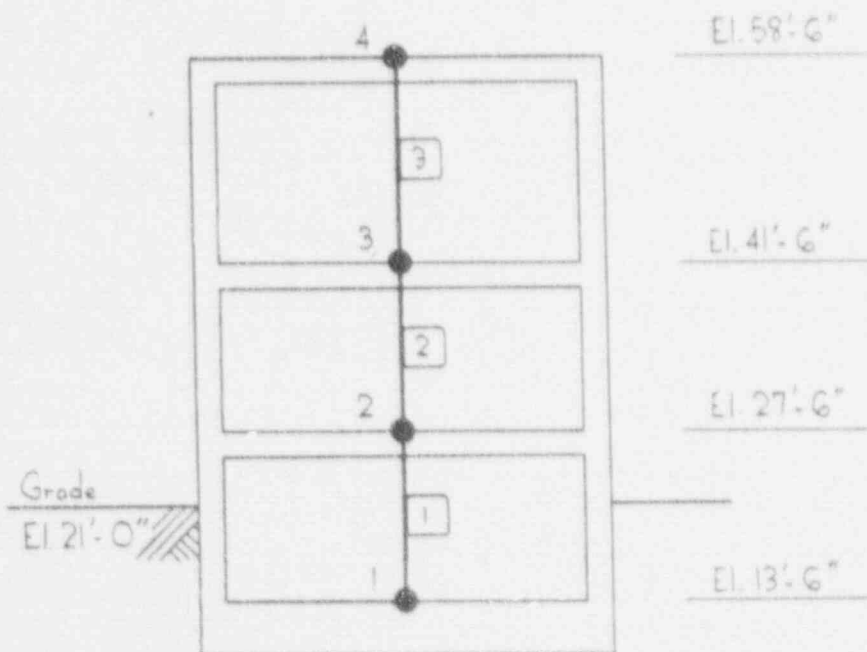
EPD-2704 1/86 (ED-21)



CALCULATION SHEET

A12

JOB NO. 18691-001	CALC NO. C-051	REV NO. 0	SHEET NO. 5
ORIGINATOR J.C. Oleinik	DATE 1-15-87	CHECKED E. Alkoush	DATE 1-16-87



Configuration of
Switchgear Building
Structural Model

Mass Point Number 1

Member Number 1

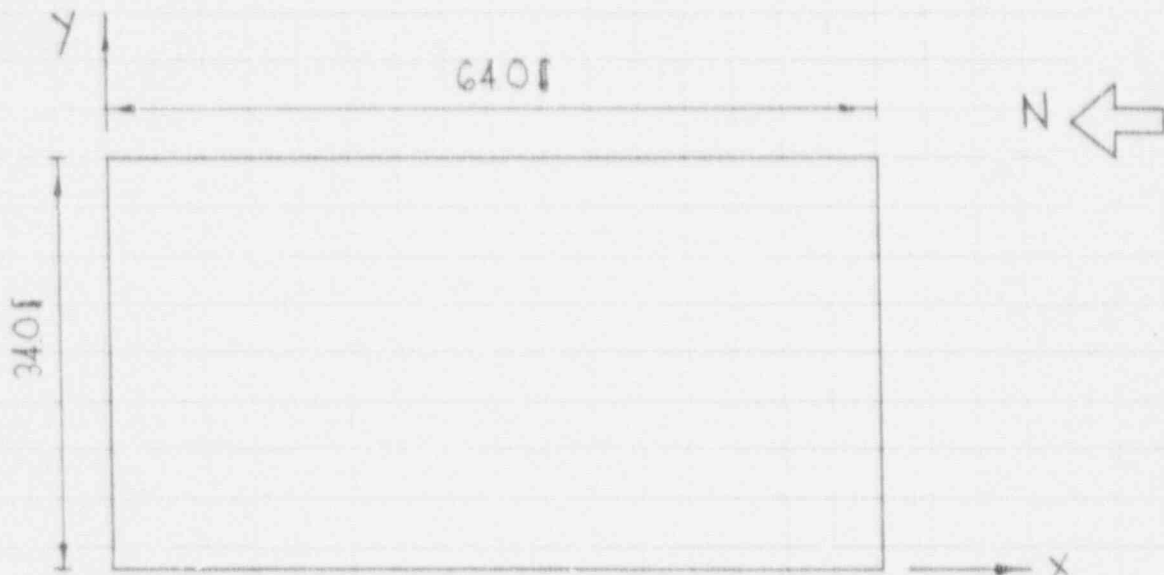


CALCULATION SHEET

A13

JOB NO.	16891-001	CALC NO.	C-051	REV. NO.	0	SHEET NO.	10
ORIGINATOR	J.C. Oleinik	DATE	10-21-86	CHECKED	E. Alkoush	DATE	11/4/86

Slab (Basemat) Between Elevations 9'-0" and 13'-6"



Cross Sectional Properties of Slab

$$\text{Area} = A = (64') (34') = 2176 \text{ ft}^2$$

Area Moments of Inertia (IA)

$$IA_{EW} = IA_x = \frac{(64')(34')^3}{12} = 210,000 \text{ ft}^4$$

$$IA_{NS} = IA_y = \frac{(34')(64')^3}{12} = 743,000 \text{ ft}^4$$