SESMIC JOINT CALCULATIONS

For

ACME OZONE – EUCALYPTIA & FENELIA

AT

MANPADA, THANE

Consultant Name	: **JW CONSULTANTS LLP**
Prepared by	: **SHREYAS IYER**
Checked by	: **NANDKUMAR PATIL**
Approved by	: **ACHYUT WATVE**

CONTENTS

REV. NO.	DATE	REVISION DETAILS
R0	06.09.2019	FOR APPROVAL

EUCALYPTIA AND FENELIA - SESMIC JOINT CALCULATION

EUCALYPTIA

TABLE: Joint Displacements			
Story	**Label**	**Output Case**	**Ux**
			mm
TERRACE	2164	SPEC1	46.413
TERRACE	2471	SPEC1	45.545
TERRACE	2470	SPEC1	44.681
TERRACE	2292	SPEC1	43.897
TERRACE	2163	SPEC1	43.819
TERRACE	2162	SPEC1	40.429
TERRACE	2286	SPEC1	40.352
TERRACE	2578	SPEC1	39.738
TERRACE	2579	SPEC1	39.05
TERRACE	2580	SPEC1	38.365
TERRACE	2276	SPEC1	37.681

FENELIA

TABLE: Joint Displacements			
Story	**Label**	**Output Case**	**Ux**
			mm
TERRACE	943	SPEC1	94.905
TERRACE	920	SPEC1	93.042
TERRACE	904	SPEC1	91.348
TERRACE	879	SPEC1	89.543
TERRACE	872	SPEC1	88.489
TERRACE	851	SPEC1	87.232
TERRACE	724	SPEC1	78.367
TERRACE	709	SPEC1	76.242
TERRACE	682	SPEC1	74.48
TERRACE	653	SPEC1	72.119

CALCULATION OF SEISMIC JOINT	
D1 MAX	46.413
D2 MAX	94.905
R	4
(D1 MAX+ D2 MAX)*R/2	282.636

Provided expansion joint = 300mm > 282.636mm.

Hence provided Seismic joint is okay.