

STRAIN GAUGE LAYOUT SCALE: 1mm = 50mm

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

NCBF-INV-4

NEESR NCREE BRACED FRAME TEST

DRAWN BY: MAC, ADS
DESIGNED BY: MAC
DATE: 1/13/2014
CONTACT: mclarke3@uw.edu

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

LOCATION

BEAM

SOUTH COLUMN

NCBF-INV-4	
NEESR NCREE BRACED FRAME TEST	DWG:
DRAWN BY: MAC, ADS	INI 2
DESIGNED BY: MAC DATE: 1/13/2014	11 - 2
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LOCATE STRAIN GAUGE AT UNDERSIDE OF BEAM FLANGE LOCATE STRAIN GAUGE AT UNDERSIDE OF METAL DECK

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1	SG 1	S COLUMN	24	SG 24	N COLUMN
2	SG 2	S COLUMN	25	SG 25	N COLUMN
3	SG 3	S COLUMN	26	SG 26	N COLUMN
4	SG 4	S COLUMN	27	SG 27	N COLUMN
5	SG 5	S COLUMN	28	SG 28	N COLUMN
6	SG 6	S COLUMN	29	SG 29	N COLUMN
7	SG 7	S COLUMN	30	SG 30	N COLUMN
			71		
8	SG 8	S COLUMN	31	SG 31	N COLUMN
9	SG 9	S TOP BEAM	32	SG 32	N TOP BEAM
10	SG 10	S TOP BEAM	33	SG 33	N TOP BEAM
11	SG 11	S TOP BEAM*	34	SG 34	N TOP BEAM*
12	SG 12	S TOP BEAM*	35	SG 35	N TOP BEAM*
13	SG 13	S TOP BEAM*	36	SG 36	N TOP BEAM*
14	SG 14	S TOP BEAM*	37	SG 37	N TOP BEAM*
15	SG 15	S TOP SLAB	38	SG 38	N TOP SLAB
16	SG 16	S TOP SLAB	39	SG 39	N TOP SLAB
17	SG 17	S TOP SLAB	40	SG 40	N TOP SLAB
	36 1/	3 TOF SLAD		36 40	IN TOF SLAD
10	CO 10	C COL DOT O	4.1	CO 44	N COL DOT O'
18	SG 18	S COL BOT 0°	41	SG 41	N COL BOT 0°
19	SG 19	S COL BOT 45°	42	SG 42	N COL BOT 45°
20	SG 20	S COL BOT 90°	43	SG 43	N COL BOT 90°
21	SG 21	S COL TOP 0°	44	SG 44	N COL TOP 0°
22	SG 22	S COL TOP 45°	45	SG 45	N COL TOP 45°
23	SG 23	S COL TOP 90°	46	SG 46	N COL TOP 90°
7777	///////////////////////////////////////				
	LABEL	LOCATION		LABEL	LOCATION
47	SG 47	S BOT BRACE L	78	SG 78	N BOT BRACE L
48	SG 48	S BOT BRACE L	79	SG 79	N BOT BRACE L
49	SG 49	S BOT BRACE L	80	SG 80	N BOT BRACE L
50	SG 50	S BOT BRACE L	81	SG 81	N BOT BRACE L
51	SG 51	S BOT BRACE U	82	SG 82	N BOT BRACE U
52	SG 52	S BOT BRACE U	83	SG 83	N BOT BRACE U
53	SG 53	S BOT BRACE U	84	SG 84	N BOT BRACE U
54		S BOT BRACE U	85		
		S BOT BRACE U			
55	SG 55	S BOT BEAM	86	SG 86	N BOT BEAM
56	SG 56	S BOT BEAM*	87	SG 87	N BOT BEAM*
57	SG 57	S BOT BEAM*	88	SG 88	N BOT BEAM*
58	SG 58	S BOT BEAM**	89	SG 89	N BOT BEAM**
59	SG 59	S BOT BEAM**	90	SG 90	N BOT BEAM**
60	SG 60	S BOT BEAM	91	SG 91	N BOT BEAM
61	SG 61	S BOT BEAM*	92	SG 92	N BOT BEAM*
62	SG 62	S BOT BEAM*	93	SG 93	N BOT BEAM*
63	SG 63	S BOT BEAM**	94	SG 94	N BOT BEAM**
64	SG 64	S BOT BEAM**	95	SG 95	N BOT BEAM**
65	SG 65	S BOT BEAM	96	SG 96	N BOT BEAM
66	SG 66		97	SG 97	
67	SG 67	S BOT BEAM*	98		N BOT BEAM*
68	SG 68	S BOT BEAM**	99	SG 99	N BOT BEAM**
69	SG 69	S BOT BEAM**	100	SG 100	N BOT BEAM**
70	SG 70	S TOP BRACE L	101	SG 101	N TOP BRACE L
71	SG 71	S TOP BRACE L	102	SG 102	N TOP BRACE L
72	SG 72	S TOP BRACE L	103	SG 103	N TOP BRACE L
73	SG 73	S TOP BRACE L	104	SG 104	N TOP BRACE L
74	SG 74	S TOP BRACE U	105	SG 105	N TOP BRACE U
		101 DIVAGE O		SG 106	
75	SG 75	IS TOP RRACE !!			
75	SG 75	S TOP BRACE U	106		N TOP BRACE U
75 76 77	SG 75 SG 76 SG 77	S TOP BRACE U S TOP BRACE U S TOP BRACE U	108	SG 100 SG 107	N TOP BRACE U N TOP BRACE U

LOCATION

- POTENTIOMETER PERPENDICULAR TO PLANE
- POTENTIOMETER IN DIRECTION OF ARROW
- TILTMETER (T)
- NDI OPTOTRAK LED TARGET (N)

<u>arrke</u>	<u>VIA HUNS</u>
Ν	NORTH
S	SOUTH
E	EAST
W	WEST
BOT	BOTTOM
MID	MIDDLE
COL	COLUMN
BR	BRACE
PL	PLATE
OOP	OUT OF PLAN
ID.	INI DI ANIE

IN PLANE DIAG DIAGONAL DISP DISPLACEMENT ROT ROTATION РΤ POINT

> TOP BEAM MIN

WORK POINT WP LOWER

UPPER

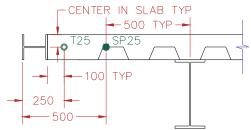
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TILTMETER DESIGNATIONS

0	DESCRIPTION	RANGE +/-
T1	S COL BASE ROT	5°
T2	S COL BASE ROT	10°
T3	S COL FLANGE AT BOT BEAM	10°
T4	S COL MID ROT	10°
T5	S COL MID ROT	10°
Т6	TOP BEAM ROT MID S SIDE	3° 3° 5°
Т7	TOP BEAM ROT MID S SIDE	3°
T8	BOT BEAM ROT S SIDE	5°
Т9	BOT BEAM ROT S SIDE	10°
T10	BOT BEAM ROT MID S SIDE	14.5° 10°
T11	BOT BEAM ROT MID S SIDE	10°
T12	BOT SLAB ROT S SIDE E	5°
T13	BOT SLAB ROT S SIDE W	5° 5° 5°
T14	N COL BASE ROT	5°
T15	N COL BASE ROT	10°
T16	N COL FLANGE AT BOT BEAM	10°
T17	N COL MID ROT	10°
T18	N COL MID ROT	10°
T19	TOP BEAM ROT MID N SIDE	3° 3° 5°
T20	TOP BEAM ROT MID N SIDE	3°
T21	BOT BEAM ROT N SIDE	
T22	BOT BEAM ROT N SIDE	10°
T23	BOT BEAM ROT MID N SIDE	14.5° 10°
T24	BOT BEAM ROT MID N SIDE	10°
T25	BOT SLAB ROT N SIDE E	5° 5°
T26	BOT SLAB ROT N SIDE W	5°
T27	BOT SLAB ROT MID E	10°
T28	BOT SLAB ROT MID W	10°
T29	TOP SLAB ROT N SIDE E	5° 5° 5°
T30	TOP SLAB ROT N SIDE W	5°
T31	BOT BEAM TORSIONAL ROT	5°

NDI OPTOTRAK LED DESIGNATIONS

	DESCRIPTION		DESCRIPTION
N1	BR1 OOP QUARTER PT	N25	BR2 OOP QUARTER PT
N2	BR1 OOP QUARTER PT	N26	BR2 OOP QUARTER PT
N3	BR1 00P	N27	BR2 00P
N4	BR1 00P	N28	BR2 00P
N5	BR1 00P	N29	BR2 00P
N6	BR1 00P	N30	BR2 00P
N7	BR1 00P	N31	BR2 00P
N8	BR1 OOP	N32	BR2 OOP
N9	BOT BEAM MID GP GRID	N33	BOT BEAM MID GP GRID
N10	BOT BEAM MID GP GRID	N34	BOT BEAM MID GP GRID
N11	BOT BEAM MID GP GRID	N35	BOT BEAM MID GP GRID
N12	BOT BEAM MID GP GRID	N36	BOT BEAM MID WEB GRID
N13	BOT BEAM MID GP GRID	N37	BOT BEAM MID WEB GRID
N14	BOT BEAM MID GP GRID	N38	BOT BEAM MID WEB GRID
N15	BOT BEAM MID WEB GRID	N39	BOT BEAM MID WEB GRID
N16	BOT BEAM MID WEB GRID	N40	BOT BEAM MID WEB GRID
N17	BOT BEAM MID WEB GRID	N41	BOT BEAM MID WEB GRID
N18	BOT BEAM MID WEB GRID	N42	BOT BEAM MID WEB GRID
N19	BOT BEAM MID WEB GRID	N43	BOT BEAM MID WEB GRID
N20	BOT BEAM MID WEB GRID	N44	BOT BEAM MID WEB GRID
N21	BOT BEAM MID WEB GRID	N45	BOT BEAM MID WEB GRID
N22	BOT BEAM MID WEB GRID	N46	BOT BEAM MID WEB GRID
N23	BOT BEAM MID WEB GRID	N47	BOT BEAM MID WEB GRID
N24	BOT BEAM MID WEB GRID	N48	BOT BEAM MID WEB GRID



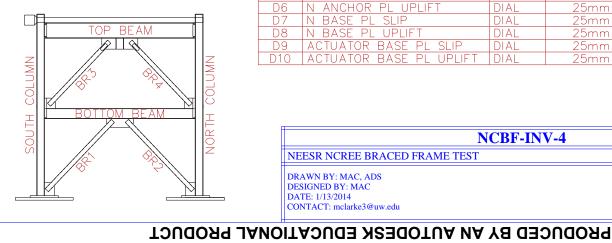
LOCATE TILTMETERS ON DE EDGE OF EACH SLAB

COLUMN	TYPICAL SLAB END OUTSID INSTRUMENTATION DETAIL
BOTTOM BEAM	NCBF-INV-
	NEESR NCREE BRACED FRAME TEST
	DRAWN BY: MAC, ADS DESIGNED BY: MAC DATE: 1/13/2014 CONTACT: mclarke3@uw.edu

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GP

BASE



L5 S L6 S L7 A L9 A L10 N L11 N L12 N L13 N L14 N L15 L16 T L17 T L18 T L19 E SP1 T SP2 T SP2 T SP3 S SP6 S SP6 S SP7 S SP8 S	N MID GP OOP CENTER N MID GP OOP S EDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML	50mm 100mm 100mm 25mm 25mm 100mm 100mm 50mm 50mm 100mm 150mm 150mm 150mm 150mm 150mm 150mm 150mm 150mm 150mm	HORIZ
L5 S L6 S L7 A L9 A L10 N L11 N L12 N L13 N L14 N L15 L16 T L17 T L18 T L19 E SP1 T SP2 T SP2 T SP3 S SP6 S SP6 S SP7 S SP8 S	S MID GP OOP N EDGE S MID GP OOP TOP EDGE ALUMINUM PL OOP S ALUMINUM PL OOP N N BASE GP OOP BOT N BASE GP OOP CENTER N MID GP OOP CENTER N MID GP OOP SEDGE N MID GP OOP SEDGE TOP BEAM DRIFT E SIDE TOP BEAM DRIFT W SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP TOP BEAM N OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML	100mm 100mm 25mm 25mm 100mm 100mm 50mm 50mm 100mm 150mm 150mm 150mm 150mm 150mm 150mm 150mm	HORIZ
L6 S L7 A L9 A L10 N L11 N L12 N L13 N L14 N L15 N L16 T L17 T L18 T L19 E SP1 T SP2 T SP2 T SP3 T SP4 S SP6 S SP6 S SP7 S SP8 S	S MID GP OOP TOP EDGE ALUMINUM PL OOP N N BASE GP OOP BOT N BASE GP OOP TOP N BASE GP OOP CENTER N MID GP OOP CENTER N MID GP OOP SEDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM DRIFT W SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP TOP BEAM N OOP ROT TOP BEAM N OOP ROT TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP	TML	100mm 25mm 100mm 100mm 50mm 50mm 100mm 100mm 250mm 150mm 150mm 150mm 150mm 150mm 150mm 150mm	HORIZ
L7	ALUMINUM PL OOP S ALUMINUM PL OOP N N BASE GP OOP BOT N BASE GP OOP TOP N BASE GP OOP CENTER N MID GP OOP CENTER N MID GP OOP SEDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM DRIFT W SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP BOT BEAM SOOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP	TML	25mm 25mm 100mm 100mm 50mm 100mm 100mm 250mm 250mm 150mm 150mm 150mm 150mm 150mm 125mm 125mm 125mm 125mm	HORIZ HORIZ HORIZ HORIZ HORIZ HORIZ HORIZ HORIZ HORIZ HORIZ
L9	ALUMINUM PL OOP N N BASE GP OOP BOT N BASE GP OOP TOP N BASE GP OOP CENTER N MID GP OOP CENTER N MID GP OOP S EDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM DRIFT W SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP	TML TML TML TML TML TML TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING	25mm 100mm 100mm 50mm 50mm 100mm 250mm 250mm 150mm 150mm 150mm 125mm 125mm 125mm	HORIZ HORIZ HORIZ HORIZ HORIZ HORIZ HORIZ FREEDON HORIZ HORIZ HORIZ
L10 N L11 N L12 N L13 N L14 N L15 N L16 T L17 T L18 T L19 E SP1 T SP2 T SP2 T SP3 T SP4 S SP5 S SP6 S SP7 S SP8 S	N BASE GP OOP BOT N BASE GP OOP TOP N BASE GP OOP CENTER N MID GP OOP SEDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP BOT BEAM VERT DISP TOP BEAM MID OOP TOP BEAM N OOP ROT	TML TML TML TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING	100mm 100mm 50mm 50mm 100mm 100mm 250mm 250mm 150mm 150mm 150mm 150mm 125mm 125mm 125mm	HORIZ
L10 N L11 N L12 N L13 N L14 N L15 N L16 T L17 T L18 T L19 E SP1 T SP2 T SP2 T SP3 T SP4 S SP5 S SP6 S SP7 S SP8 S	N BASE GP OOP BOT N BASE GP OOP TOP N BASE GP OOP CENTER N MID GP OOP SEDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP BOT BEAM VERT DISP TOP BEAM MID OOP TOP BEAM N OOP ROT	TML TML TML TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING	100mm 100mm 50mm 50mm 100mm 100mm 250mm 250mm 150mm 150mm 150mm 150mm 125mm 125mm 125mm	HORIZ
L10 N L11 N L12 N L13 N L14 N L15 N L16 T L17 T L18 T L19 E SP1 T SP2 T SP2 T SP3 T SP4 S SP5 S SP6 S SP7 S SP8 S	N BASE GP OOP BOT N BASE GP OOP TOP N BASE GP OOP CENTER N MID GP OOP SEDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP BOT BEAM VERT DISP TOP BEAM MID OOP TOP BEAM N OOP ROT	TML TML TML TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING	100mm 100mm 50mm 50mm 100mm 100mm 250mm 250mm 150mm 150mm 150mm 150mm 125mm 125mm 125mm	HORIZ
L11 N L12 N L13 N L14 N L15 N L16 T L17 T L18 T L19 E SP1 T SP2 T SP3 T SP4 S SP5 SP5 S SP6 S SP7 S SP8 S	N BASE GP OOP TOP N BASE GP OOP CENTER N MID GP OOP CENTER N MID GP OOP S EDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP BOT BEAM VERT DISP TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TML TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING	100mm 50mm 50mm 100mm 100mm 250mm 250mm 150mm 150mm 150mm 150mm 125mm 125mm 125mm 125mm	HORIZ
L12 N L13 N L14 N L15 N L16 T L17 T L18 T L19 E SP1 T SP2 T SP2 T SP3 T SP4 S SP5 S SP6 S SP7 S SP8 S	N BASE GP OOP CENTER N MID GP OOP CENTER N MID GP OOP S EDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP BOT BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING	50mm 50mm 100mm 100mm 250mm 250mm 150mm 150mm 150mm 125mm 125mm	HORIZ
L13 N L14 N L15 N L16 1 L17 1 L18 1 L19 E SP1 1 SP2 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	N MID GP OOP CENTER N MID GP OOP S EDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING	50mm 100mm 100mm 250mm 250mm 150mm 150mm 150mm 125mm 125mm 125mm	HORIZ
L13 N L14 N L15 N L16 1 L17 1 L18 1 L19 E SP1 1 SP2 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	N MID GP OOP S EDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM NOOP TOP BEAM NOOP TOP BEAM NOOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING STRING	100mm 100mm 250mm 250mm 150mm 150mm 150mm 125mm 125mm 125mm 250mm	HORIZ HORIZ HORIZ HORIZ FREEDON HORIZ HORIZ
L14 N L15 N L16 I L17 I L18 I L19 E SP1 I SP2 I SP3 I SP4 S SP5 S SP6 S SP7 S SP8 S	N MID GP OOP S EDGE N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM NOOP TOP BEAM NOOP TOP BEAM NOOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TML TEMPO TEMPO TML TML TYPE STRING STRING STRING STRING	100mm 100mm 250mm 250mm 150mm 150mm 150mm 125mm 125mm 125mm 250mm	HORIZ HORIZ HORIZ HORIZ HORIZ FREEDON HORIZ HORIZ HORIZ
L15 N L16 T L17 T L18 T L19 E SP1 T SP2 T SP3 T SP4 S SP5 S SP6 S SP7 S SP8 S	N MID GP OOP TOP EDGE TOP BEAM DRIFT E SIDE TOP BEAM DRIFT W SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TEMPO TEMPO TML TML TYPE STRING STRING STRING STRING	100mm 250mm 250mm 150mm 150mm 150mm 125mm 125mm 125mm 125mm	HORIZ HORIZ HORIZ FREEDON HORIZ HORIZ HORIZ
L16 1 L17 1 L18 1 L19 E SP1 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	TOP BEAM DRIFT E SIDE TOP BEAM DRIFT W SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TEMPO TEMPO TML TML TYPE STRING STRING STRING STRING	250mm 250mm 150mm 150mm 150mm RANGE +/- 125mm 125mm 125mm 250mm	HORIZ HORIZ FREEDON HORIZ HORIZ HORIZ
L17 1 L18 1 L19 E SP1 1 SP2 1 SP3 T SP4 S SP5 S SP6 S SP7 S SP8 S	TOP BEAM DRIFT W SIDE TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TEMPO TML TML TYPE STRING STRING STRING STRING	250mm 150mm 150mm RANGE +/- 125mm 125mm 125mm 250mm	HORIZ FREEDON HORIZ HORIZ HORIZ
SP1 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	TOP BEAM VERT DISP BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TML TYPE STRING STRING STRING STRING	150mm 150mm RANGE +/- 125mm 125mm 125mm 250mm	HORIZ FREEDON HORIZ HORIZ HORIZ
SP1 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TYPE STRING STRING STRING STRING STRING	150mm RANGE +/- 125mm 125mm 125mm 250mm	HORIZ FREEDON HORIZ HORIZ HORIZ
SP1 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	BOT BEAM VERT DISP DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TML TYPE STRING STRING STRING STRING STRING	150mm RANGE +/- 125mm 125mm 125mm 250mm	HORIZ FREEDON HORIZ HORIZ HORIZ
SP1 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	DESCRIPTION TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	TYPE STRING STRING STRING STRING	RANGE +/- 125mm 125mm 125mm 250mm	FREEDOM HORIZ HORIZ HORIZ
SP1 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	STRING STRING STRING STRING	RANGE +/- 125mm 125mm 125mm 250mm	FREEDON HORIZ HORIZ HORIZ
SP1 1 SP2 1 SP3 1 SP4 S SP5 S SP6 S SP7 S SP8 S	TOP BEAM S OOP ROT TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	STRING STRING STRING STRING	125mm 125mm 125mm 250mm	HORIZ HORIZ HORIZ
SP2 1 SP3 1 SP4 5 SP5 S SP6 S SP7 S	TOP BEAM MID OOP TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	STRING STRING STRING	125mm 125mm 250mm	HORIZ HORIZ
SP3 1 SP4 5 SP5 5 SP6 5 SP7 5 SP8 5	TOP BEAM N OOP ROT S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	STRING STRING	125mm 250mm	HORIZ
SP4 S SP5 S SP6 S SP7 S SP8 S	S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	STRING	250mm	
SP4 S SP5 S SP6 S SP7 S SP8 S	S BOT BRACE DIAG/OOP S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP	STRING	250mm	
SP5 S SP6 S SP7 S SP8 S	S BOT BRACE DIAG/OOP S TOP BRACE DIAG/OOP		20011111	HORIZ
SP6 S SP7 S SP8 S	S TOP BRACE DIAG/OOP	1011/11/0	250mm	HORIZ
SP7 S	S TOP BRACE DIAG/OUP		25011111	
SP8 S		STRING	250mm	HORIZ
		STRING	250mm	HORIZ
		STRING	250mm	HORIZ
SP9 S		STRING	125mm	HORIZ
SP9 S SP10 S	S TOP GP OOP S EDGE	STRING	125mm	HORIZ
OF 10 3	S TOD OD OOD OFFITED	CTDIVIC		
	S TOP GP OOP CENTER	STRING	125mm	HORIZ
	MID TOP GP OOP	STRING	125mm	HORIZ
SP13 S	S BOT BEAM DRIFT E SIDE	STRING	250mm	
	S BOT BEAM DRIFT W SIDE	STRING	250mm	
SP15 N		STRING	250mm	HORIZ
	N BOT BRACE DIAG/IP	STRING	25011111	
3P 10 1	1 BUT BRACE DIAG/IF	2 IKING	250mm	HORIZ
SP18 N	N TOP BRACE DIAG/OOP	STRING	250mm	HORIZ
SP19 N	N TOP BRACE DIAG/OOP	STRING	250mm	HORIZ
SP20 N		STRING	250mm	HORIZ
SP21 N		STRING	125mm	HORIZ
SP22 N	N TOP GP OOP N EDGE	STRING	125mm	HORIZ
SP23 N		STRING	125mm	HORIZ
SP24 N		STRING	250mm	
SP25 N		STRING	250mm	
SP26 N		STRING	250mm	
OF ZO 1			25011111	
SP27 S		STRING	250mm	
SP28 N		STRING	250mm	
<u>/////////////////////////////////////</u>				///////////////////////////////////////
•	DESCRIPTION	IYPE	KANGE +/-	FKFFDOV
	S ANCHOR PL SLIP	DIAL	25mm	
D2 S	S ANCHOR PL UPLIFT	DIAL	25mm	
D3 S	S BASE PL SLIP	DIAL	25mm	
	S BASE PL UPLIFT	DIAL	25mm	
	N ANCHOR PL SLIP	DIAL	25mm	
	N ANCHOR PL UPLIFT	DIAL	25mm	
D7 N	N BASE PL SLIP	DIAL	25mm	
	N BASE PL UPLIFT	DIAL	25mm	
	ACTUATOR BASE PL SLIP	DIAL	25,11111	
			25mm	
D10 /	ACTUATOR BASE PL UPLIFT	DIAL	25mm	

NCBF-INV-4

NEESR NCREE BRACED FRAME TEST

DRAWN BY: MAC, ADS DESIGNED BY: MAC DATE: 1/13/2014 CONTACT: mclarke3@uw.edu FREEDOM

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100mm

50mm

TML TML

ABBREV	<u>IATIONS</u>
N	NORTH
S	SOUTH
E	EAST
W	WEST
BOT	BOTTOM
MID	MIDDLE
COL	COLUMN
BR	BRACE
PL	PLATE
00P	OUT OF PLANE
IP	IN PLANE
DIAG	DIAGONAL
DISP	DISPLACEMENT
ROT	ROTATION
PT	POINT
WP	WORK POINT
L	LOWER

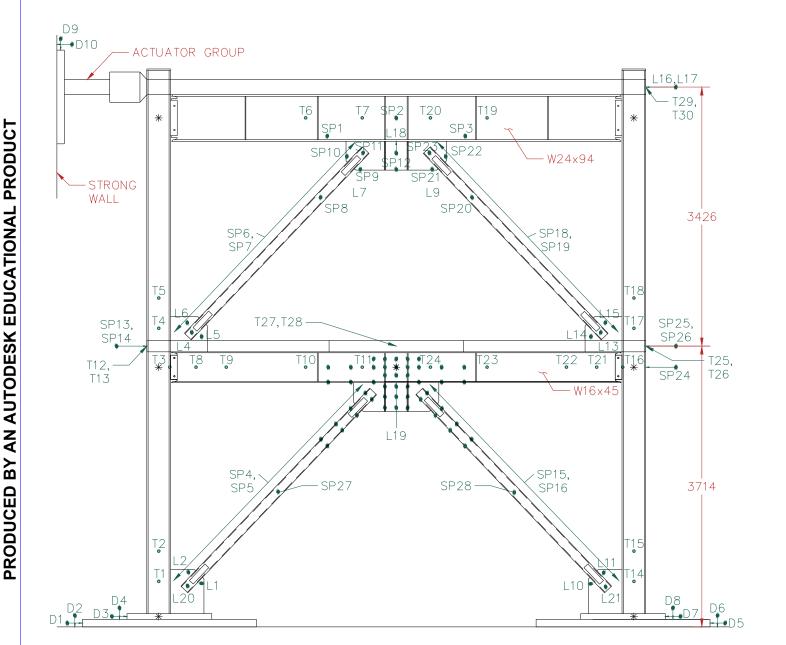
UPPER

	\triangleright	\bigcap	TF	NIT	$\bigcap V$	1FTFF	R DES	ICNIA	TION	\leq
ı		U		INI			\wedge DLS	レフロタク	TION	

OOP BOT

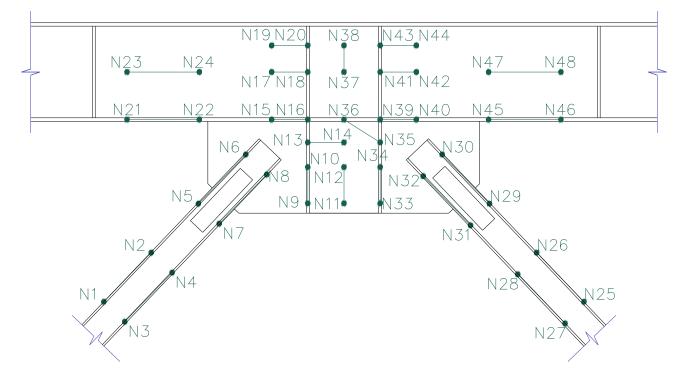
DRAWN BY: MAC, ADS DESIGNED BY: MAC DATE: 1/13/2014 CONTACT: mclarke3@uw.edu

DWG:



NEESR NCREE BRACED FRAME TEST

NCBF-INV-4

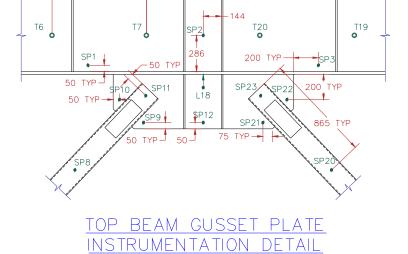


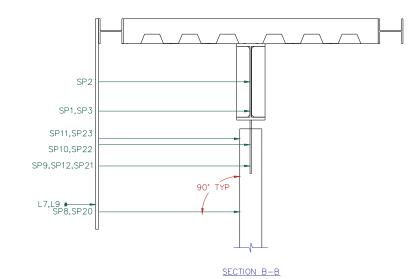
BOTTOM BEAM GUSSET PLATE LED NUMBERING

NEESR NCREE BRACED FRAME TEST

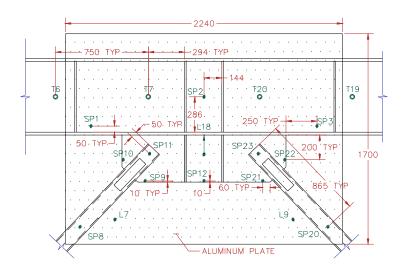
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DNG:

IN-9

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WHITEWASH PLAN SCALE: 1mm = 50mm

