

#### PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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

### **ABBREVIATIONS**

N	NORTH
S	SOUTH
Ε	EAST
W	WEST
BOT	BOTTOM
MID	MIDDLE
COL	COLUMN
BR	BRACE
PL	PLATE

OUT OF PLANE OOP IΡ IN PLANE DIAG DIAGONAL DISP DISPLACEMENT ROT ROTATION

РΤ POINT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

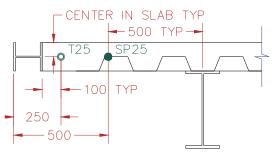
WP WORK POINT

### TILTMETER DESIGNATIONS

0	DESCRIPTION	RANGE +/-
T1	S COL BASE ROT	5° 10°
T2	S COL BASE ROT	10°
T3	S COL FLANGE AT BOT BEAM	1()*
T4	S COL MID ROT	10°
T5	S COL MID ROT	10°
T6	TOP BEAM ROT MID S SIDE	10° 3° 3° 5°
T7	TOP BEAM ROT MID S SIDE	3°
T8	BOT BEAM ROT S SIDE BOT BEAM ROT S SIDE	5°
Т9	BOT BEAM ROT S SIDE	10°
T10	BOT BEAM ROT MID S SIDE	14.5°
T11	BOT BEAM ROT MID S SIDE	10° 5° 5° 5°
T12	BOT SLAB ROT S SIDE E	5°
T13	BOT SLAB ROT S SIDE W	5°
T14	N COL BASE ROT	5°
T15	N COL BASE ROT	10°
T16	N COL FLANGE AT BOT BEAM	10° 10° 10°
T17	N COL MID ROT	10°
T18	N COL MID ROT	10°
T19	TOP BEAM ROT MID N SIDE	<u>3°</u>
T20	TOP BEAM ROT MID N SIDE	3° 3° 5°
T21	BOT BEAM ROT N SIDE	5°
T22	BOT BEAM ROT N SIDE	10°
T23	BOT BEAM ROT MID N SIDE	14.5*
T24	BOT BEAM ROT MID N SIDE	14.5° 10° 5° 5° 10°
T25	BOT SLAB ROT N SIDE E	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
T30	TOP SLAB ROT N SIDE W	10° 5° 5° 5°
T31	BOT BEAM TORSIONAL ROT	5

#### NDI OPTOTRAK LED DESIGNATIONS

•		DESCR	10IT PIS	1	•		DES	SCRIP	TION	
N1	BR1	OOP QU	ARTER	PT PT	N25	BR2	00P	QUAR	TER	PT
N2	BR1	OOP QU	ARTER	PT PT	N26	BR2	00P	QUAR	TER	PT
N3	BR1	OOP			N27	BR2	00P			
N4	BR1	OOP			N28	BR2	00P			
N5	BR1	OOP			N29	BR2	OOP			
N6	BR1	OOP			N30	BR2	00P			
N7	BR1	OOP			N31	BR2	00P			
N8	BR1	OOP			N32	BR2	OOP			
N9	BOT	BEAM M	ID GP	GRID	N33	ВОТ	BEAM	l MID	GP (	GRID
N10	ВОТ	BEAM M	ID GP	GRID	N34	ВОТ	BEAM	MID	GP (	GRID
N11	ВОТ	BEAM M	ID GP	GRID	N35	BOT	BEAM	MID	GP (	GRID
N12	BOT	BEAM M	ID GP	GRID	N36	BOT	BEAM	l MID	WEB	GRID
N13	BOT	BEAM M	ID GP	GRID	N37	ВОТ	BEAM	l MID	WEB	GRID
N14	BOT	BEAM M	ID GP	GRID	N38	BOT	BEAM	l MID	WEB	GRID
N15	BOT	BEAM M	ID WE	B GRID	N39	ВОТ	BEAM	l MID	WEB	GRID
N16	BOT	BEAM M	ID WE	B GRID	N40	ВОТ	BEAM	l MID	WEB	GRID
N17	BOT	BEAM M	ID WE	B GRID	N41	BOT	BEAM	l MID	WEB	GRID
N18	BOT	BEAM M	ID WE	B GRID	N42	ВОТ	BEAM	l MID	WEB	GRID
N19	BOT	BEAM M	ID WE	B GRID	N43	ВОТ	BEAM	l MID	WEB	GRID
N20	ВОТ	BEAM M	ID WE	B GRID	N44	ВОТ	BEAM	MID	WEB	GRID
N21	ВОТ	BEAM M	ID WE	B GRID	N45	ВОТ	BEAM	l MID	WEB	GRID
N22	ВОТ	BEAM M	ID WE	B GRID	N46	ВОТ	BEAM	MID	WEB	GRID
N23	ВОТ	BEAM M	ID WE	B GRID	N47	ВОТ	BEAM	MID	WEB	GRID
N24	ВОТ	BEAM M	ID WE	B GRID	N48	ВОТ	BEAM	l MID	WEB	GRID



NOTE: LOCATE INCLINOMETERS ON TYPICAL SLAB END INSTRUMENTATION DETAIL

TOP BEAM

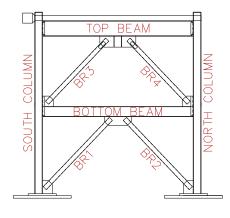
### NCBF-INV-3 NON-SEISMIC CBF WITH WIDE FLANGE BRACES

NEESR NCREE BRACED FRAME TEST

DRAWN BY: ADS DESIGNED BY: ADS

DATE: 8/23/2013 CONTACT: ADSEN@UW.EDU

IN-3



L2         S BASE GP OOP TOP         TML         100mm           L4         S MID GP OOP CENTER         TML         50mm         HORIZ           L5         S MID GP OOP NEDGE         TML         100mm         HORIZ           L6         S MID GP OOP TOP EDGE         TML         100mm         HORIZ           L7         ALUMINUM PL OOP N         TML         25mm           L9         ALUMINUM PL OOP N         TML         50mm           L10         N BASE GP OOP BOT         TML         50mm           L11         N BASE GP OOP TOP         TML         100mm           L13         N MID GP OOP SEDGE         TML         100mm           L14         N MID GP OOP TOP EDGE         TML         100mm           L15         N MID GP OOP TOP EDGE         TML         100mm           L17         TOP BEAM DRIFT E SIDE         TEMPO         250mm           L17         TOP BEAM VERT DISP         TML         150mm         HORIZ           L16         TOP BEAM VERT DISP         TML         150mm         HORIZ           L19         BOT BEAM VERT DISP         TML         150mm         HORIZ           SP1         TOP BEAM OP SOP SEDGE         TML         150	L1	S BASE GP OOP BOT	TML	100mm	
L4 S MID GP OOP CENTER TML 100mm HORIZ L5 S MID GP OOP N EDGE TML 100mm HORIZ L6 S MID GP OOP N EDGE TML 100mm HORIZ L7 ALUMINUM PL OOP S TML 25mm  L9 ALUMINUM PL OOP N TML 25mm L10 N BASE GP OOP BOT TML 50mm L11 N BSAE GP OOP TOP TML 100mm HORIZ L13 N MID GP OOP CENTER TML 50mm HORIZ L14 N MID GP OOP S EDGE TML 100mm HORIZ L15 N MID GP OOP S EDGE TML 100mm HORIZ L16 TOP BEAM DRIFT E SIDE TEMPO 250mm HORIZ L17 TOP BEAM DRIFT W SIDE TEMPO 250mm HORIZ L18 TOP BEAM WERT DISP TML 150mm HORIZ L19 ROT BEAM WERT DISP TML 150mm HORIZ L19 ROT BEAM SOOP ROT STRING 125mm HORIZ SP2 TOP BEAM N OOP ROT STRING 125mm HORIZ SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP5 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP9 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP2 S N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP2 S N TOP BRACE DI	L2			100mm	
L5 S MID GP OOP N EDGE L6 S MID GP OOP TOP EDGE L7 ALUMINUM PL OOP S TML L7 ALUMINUM PL OOP N L9 ALUMINUM PL OOP N L10 N BASE GP OOP BOT L11 N BSAE GP OOP BOT L11 N BSAE GP OOP BOT L11 N BSAE GP OOP BOT L12 SOMM L13 N MID GP OOP CENTER L14 N MID GP OOP S EDGE L15 N MID GP OOP S EDGE L15 N MID GP OOP S EDGE L16 TOP BEAM DRIFT E SIDE L17 TOP BEAM DRIFT E SIDE L18 TOP BEAM DRIFT BY L19 BOT BEAM VERT DISP L19 BOT BEAM VERT DISP ML SP1 TOP BEAM S OOP ROT STRING SP2 TOP BEAM N OOP ROT STRING SP3 TOP BEAM N OOP ROT STRING SP4 S BOT BRACE DIAG/OOP STRING SP5 S BOT BRACE DIAG/OOP STRING SP6 S TOP BRACE DIAG/OOP STRING SP7 S TOP BRACE DIAG/OOP STRING SP1 S TOP BRACE DIAG/OOP STRING SP3 TOP BRACE DIAG/OOP STRING SP6 S TOP BRACE DIAG/OOP STRING SP7 S TOP BRACE DIAG/OOP STRING SP1 S TOP BRACE DIAG/OOP STRING SSTRING SSTRIN					
L5 S MID GP OOP N EDGE L6 S MID GP OOP TOP EDGE L7 ALUMINUM PL OOP S TML L7 ALUMINUM PL OOP N L9 ALUMINUM PL OOP N L10 N BASE GP OOP BOT L11 N BSAE GP OOP BOT L11 N BSAE GP OOP BOT L11 N BSAE GP OOP BOT L12 SOMM L13 N MID GP OOP CENTER L14 N MID GP OOP S EDGE L15 N MID GP OOP S EDGE L15 N MID GP OOP S EDGE L16 TOP BEAM DRIFT E SIDE L17 TOP BEAM DRIFT E SIDE L18 TOP BEAM DRIFT BY L19 BOT BEAM VERT DISP L19 BOT BEAM VERT DISP ML SP1 TOP BEAM S OOP ROT STRING SP2 TOP BEAM N OOP ROT STRING SP3 TOP BEAM N OOP ROT STRING SP4 S BOT BRACE DIAG/OOP STRING SP5 S BOT BRACE DIAG/OOP STRING SP6 S TOP BRACE DIAG/OOP STRING SP7 S TOP BRACE DIAG/OOP STRING SP1 S TOP BRACE DIAG/OOP STRING SP3 TOP BRACE DIAG/OOP STRING SP6 S TOP BRACE DIAG/OOP STRING SP7 S TOP BRACE DIAG/OOP STRING SP1 S TOP BRACE DIAG/OOP STRING SSTRING SSTRIN	4	S MID GP OOP CENTER	ТМІ	50mm	HORI7
L9 ALUMINUM PL OOP S TML 25mm  L9 ALUMINUM PL OOP N TML 25mm  L10 N BASE GP OOP BOT TML 50mm  L11 N BSAE GP OOP BOT TML 100mm  L11 N BSAE GP OOP TOP TML 100mm  L13 N MID GP OOP CENTER TML 50mm HORIZ  L14 N MID GP OOP S EDGE TML 100mm HORIZ  L15 N MID GP OOP S EDGE TML 100mm HORIZ  L16 TOP BEAM DRIFT E SIDE TEMPO 250mm  L17 TOP BEAM DRIFT W SIDE TEMPO 250mm HORIZ  L18 TOP BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  SP1 TOP BEAM S OOP ROT STRING 125mm HORIZ  SP2 TOP BEAM NID OOP STRING 125mm HORIZ  SP3 TOP BEAM NO OP ROT STRING 125mm HORIZ  SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ  SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP GP OOP STEDEE STRING 125mm HORIZ  SP1 S TOP GP OOP STEDEE STRING 125mm HORIZ  SP1 S TOP GP OOP STEDEE STRING 125mm HORIZ  SP1 S TOP GP OOP STRING 250mm HORIZ  SP1 S TOP GP OOP					
L7 ALUMINUM PL OOP S					
L9		ALLIMINIUM DI OOD C		25mm	HONZ
L10 N BASE GP OOP BOT TML 100mm  L13 N MID GP OOP CENTER TML 50mm HORIZ  L14 N MID GP OOP S EDGE TML 100mm HORIZ  L15 N MID GP OOP SEDGE TML 100mm HORIZ  L15 N MID GP OOP TOP EDGE TML 100mm HORIZ  L16 TOP BEAM DRIFT E SIDE TEMPO 250mm  L17 TOP BEAM DRIFT T SIDE TEMPO 250mm  L18 TOP BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  M DESCRIPTION TYPE RANGE + / FREEDOM  SP1 TOP BEAM MID OOP STRING 125mm HORIZ  SP2 TOP BEAM MID OOP STRING 125mm HORIZ  SP3 TOP BEAM N OOP ROT STRING 125mm HORIZ  SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ  SP5 S BOT BRACE DIAG/OOP STRING 250mm HORIZ  SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP9 S TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP1 S TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP2 N TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 125mm HORIZ  SP2 N TOP GP OOP STRING 125mm HORIZ  SP3 N TOP G	L /	ALUMINUM FL UUF 3	LIVIL	2011111	
L10 N BASE GP OOP BOT TML 100mm  L13 N MID GP OOP CENTER TML 50mm HORIZ  L14 N MID GP OOP S EDGE TML 100mm HORIZ  L15 N MID GP OOP SEDGE TML 100mm HORIZ  L15 N MID GP OOP TOP EDGE TML 100mm HORIZ  L16 TOP BEAM DRIFT E SIDE TEMPO 250mm  L17 TOP BEAM DRIFT T SIDE TEMPO 250mm  L18 TOP BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  M DESCRIPTION TYPE RANGE + / FREEDOM  SP1 TOP BEAM MID OOP STRING 125mm HORIZ  SP2 TOP BEAM MID OOP STRING 125mm HORIZ  SP3 TOP BEAM N OOP ROT STRING 125mm HORIZ  SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ  SP5 S BOT BRACE DIAG/OOP STRING 250mm HORIZ  SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP9 S TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP1 S TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP1 S TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP1 S TOP GP OOP SEDGE STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP2 N TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 250mm HORIZ  SP2 N TOP GP OOP STRING 125mm HORIZ  SP2 N TOP GP OOP STRING 125mm HORIZ  SP3 N TOP G	10	ALLIMINIUM DI COD N	TNAL	25,000	
L11 N BSAE GP OOP TOP TML 100mm  L13 N MID GP OOP CENTER TML 50mm HORIZ L14 N MID GP OOP S EDGE TML 100mm HORIZ L15 N MID GP OOP TOP EDGE TML 100mm HORIZ L16 TOP BEAM DRIFT E SIDE TEMPO 250mm L17 TOP BEAM DRIFT W SIDE TEMPO 250mm L17 TOP BEAM VERT DISP TML 150mm HORIZ L18 TOP BEAM VERT DISP TML 150mm HORIZ L19 BOT BEAM VERT DISP TML 150mm HORIZ L19 BOT BEAM VERT DISP TML 150mm HORIZ L19 BOT BEAM VERT DISP TML 150mm HORIZ SP1 TOP BEAM SOOP ROT STRING 125mm HORIZ SP2 TOP BEAM SOOP ROT STRING 125mm HORIZ SP3 TOP BEAM N OOP ROT STRING 125mm HORIZ SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP5 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ SP1 S TOP GP OOP STRING 250mm HORIZ SP1 S TOP GP OOP STRING 250mm HORIZ SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP GP OOP STRING 250mm HORIZ SP1 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP2 N TOP GP OOP STRING 250mm HORIZ SP2 N TOP GP OOP STRING 250mm HORIZ SP2 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP2 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP2 N TOP BRACE DIAG/OP STRING 250mm HORIZ SP2 N TOP GP OOP STRING 250mm HORIZ SP2 N TOP				ZOMM	
L13 N MID GP OOP CENTER TML 50mm HORIZ L14 N MID GP OOP S EDGE TML 100mm HORIZ L15 N MID GP OOP S EDGE TML 100mm HORIZ L16 TOP BEAM DRIFT E SIDE TEMPO 250mm L17 TOP BEAM DRIFT W SIDE TEMPO 250mm L18 TOP BEAM VERT DISP TML 150mm HORIZ L19 BOT BEAM NOOP ROT STRING 125mm HORIZ SP2 TOP BEAM MID OOP STRING 125mm HORIZ SP3 TOP BEAM NOOP ROT STRING 125mm HORIZ SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP5 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 125mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP GP OOP BOT EDGE STRING 125mm HORIZ SP1 S TOP GP OOP BOT EDGE STRING 125mm HORIZ SP1 S TOP GP OOP BOT EDGE STRING 125mm HORIZ SP1 S TOP GP OOP STRING 250mm HORIZ SP2 N TOP GP OOP ST					
L14         N MID GP OOP S EDGE         TML         100mm         HORIZ           L15         N MID GP OOP TOP EDGE         TML         100mm         HORIZ           L16         TOP BEAM DRIFT E SIDE         TEMPO         250mm           L17         TOP BEAM VERT DISP         TML         150mm         HORIZ           L18         TOP BEAM VERT DISP         TML         150mm         HORIZ           L19         BOT BEAM VERT DISP         TML         150mm         HORIZ           JUL HOLD         DESCRIPTION         TYPE         RAMGE +/-         FREEDOM           SP1         TOP BEAM S OOP ROT         STRING         125mm         HORIZ           SP2         TOP BEAM MID OOP         STRING         125mm         HORIZ           SP3         TOP BEAM N OOP ROT         STRING         125mm         HORIZ           SP4         S BOT BEAME DIAG/OOP         STRING         250mm         HORIZ           SP5		N BOAL GP OUP TOP	INIL	TUUMM	
L14         N MID GP OOP S EDGE         TML         100mm         HORIZ           L15         N MID GP OOP TOP EDGE         TML         100mm         HORIZ           L16         TOP BEAM DRIFT E SIDE         TEMPO         250mm           L17         TOP BEAM VERT DISP         TML         150mm         HORIZ           L18         TOP BEAM VERT DISP         TML         150mm         HORIZ           L19         BOT BEAM VERT DISP         TML         150mm         HORIZ           JUL HOLD         DESCRIPTION         TYPE         RAMGE +/-         FREEDOM           SP1         TOP BEAM S OOP ROT         STRING         125mm         HORIZ           SP2         TOP BEAM MID OOP         STRING         125mm         HORIZ           SP3         TOP BEAM N OOP ROT         STRING         125mm         HORIZ           SP4         S BOT BEAME DIAG/OOP         STRING         250mm         HORIZ           SP5	1 4 7	N MD OD OOD OFNITED	TV	F.O.	110017
L15         N MID GP OOP TOP EDGE         TML         100mm         HORIZ           L16         TOP BEAM DRIFT E SIDE         TEMPO         250mm           L18         TOP BEAM VERT DISP         TML         150mm         HORIZ           L18         TOP BEAM VERT DISP         TML         150mm         HORIZ           L19         BOT BEAM VERT DISP         TML         150mm         HORIZ           L19         BOT BEAM VERT DISP         TML         150mm         HORIZ           MID JOHN JOHN JOHN JOHN JOHN JOHN JOHN JOHN				50mm	
L16 TOP BEAM DRIFT E SIDE TEMPO 250mm  L17 TOP BEAM DRIFT W SIDE TEMPO 250mm  L18 TOP BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  L19 BOT BEAM VERT DISP TML 150mm HORIZ  ■ DESCRIPTION TYPE RANGE + FREEDOM  SP1 TOP BEAM S OOP ROT STRING 125mm HORIZ  SP2 TOP BEAM MID OOP STRING 125mm HORIZ  SP3 TOP BEAM NOOP ROT STRING 125mm HORIZ  SP3 TOP BEAM NOOP ROT STRING 125mm HORIZ  SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ  SP5 S BOT BRACE DIAG/OOP STRING 250mm HORIZ  SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP9 S TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP10 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP11 S TOP GP OOP SEDGE STRING 125mm HORIZ  SP12 MID TOP GP OOP STRING 125mm HORIZ  SP13 S BOT BEAM DRIFT E SIDE STRING 125mm HORIZ  SP14 S BOT BEAM DRIFT E SIDE STRING 250mm HORIZ  SP15 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP16 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP17 N TOP BRACE DIAG/IP STRING 250mm HORIZ  SP18 N TOP BRACE DIAG/IP STRING 250mm HORIZ  SP19 N TOP BRACE DIAG/OOP STRING 250mm HORIZ  SP19 N TOP BRACE DIAG/IP STRING 250mm HORIZ  SP20 N TOP GP OOP BOT EDGE STRING 125mm HORIZ  SP21 N TOP GP OOP STRING 250mm HORIZ  SP22 N TOP GP OOP STRING 250mm HORIZ  SP23 N TOP GP OOP STRING 250mm HORIZ  SP24 N BOT BEAM DRIFT W SIDE STRING 250mm HORIZ  SP25 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP26 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP27 S BOT BRACE DIAG/IP STRING 250mm HORIZ  SP28 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP29 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP28 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP29 N BOT BRACE DIAG/IP STRING 250mm HORIZ  SP20 N TOP GP OOP STRING 250mm HORIZ  SP21 N TOP GP OOP STRING 250mm HORIZ  SP22 N TOP GP OOP STRING 250mm HORIZ  SP23 N BOT				100mm	
L17 TOP BEAM VERT DISP TML 150mm HORIZ L19 BOT BEAM VERT DISP TML 150mm HORIZ  ■ DESCRIPTION TYPE RANGE +/- FREEDOM SP1 TOP BEAM S 00P ROT STRING 125mm HORIZ SP2 TOP BEAM N 00P ROT STRING 125mm HORIZ SP3 TOP BEAM N 00P ROT STRING 125mm HORIZ SP4 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP5 S BOT BRACE DIAG/OOP STRING 250mm HORIZ SP6 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP7 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP8 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 S TOP GOOP BOT EDGE STRING 125mm HORIZ SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ SP1 S TOP GP OOP SEDGE STRING 125mm HORIZ SP1 S TOP GP OOP SEDGE STRING 250mm HORIZ SP1 S TOP GP OOP SEDGE STRING 250mm HORIZ SP1 N TOP GP OOP STRING 250mm HORIZ SP1 N TOP GP OOP SEDGE STRING 250mm HORIZ SP1 N TOP GP OOP STRING 250mm HORIZ SP1 N TOP GP OOP STRING 250mm HORIZ SP1 N TOP BRACE DIAG/IP STRING 250mm HORIZ SP1 N TOP BRACE DIAG/IP STRING 250mm HORIZ SP1 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP1 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP2 N BOT BEAM DRIFT W SIDE STRING 250				100mm	HORIZ
L18					
L19				250mm	
L19				150mm	
●         DESCRIPTION         TYPE         RANGE +/−         FREEDOM           SP1         TOP BEAM         SOOP ROT         STRING         125mm         HORIZ           SP2         TOP BEAM         MID OOP         STRING         125mm         HORIZ           SP3         TOP BEAM         N OOP ROT         STRING         25mm         HORIZ           SP4         S BOT BRACE         DIAG/OOP         STRING         250mm         HORIZ           SP5         S BOT BRACE         DIAG/OOP         STRING         250mm         HORIZ           SP6         S TOP BRACE         DIAG/OOP         STRING         250mm         HORIZ           SP6         S TOP BRACE         QUARTER PT         STRING         250mm         HORIZ           SP8         S TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP11         S TOP GP OOP         STRING         125mm         HORIZ           SP13         S BOT BEAM DRIFT E SIDE         STRING         250mm         HORIZ	L19			150mm	
SP1         TOP BEAM         SOOP ROT         STRING         125mm         HORIZ           SP2         TOP BEAM MID OOP         STRING         125mm         HORIZ           SP3         TOP BEAM         N OOP ROT         STRING         125mm         HORIZ           SP4         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP5         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP6         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP7         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP7         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         125mm         HORIZ           SP9         S TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP12         MID TOP GP OOP         STRING         125mm         HORIZ           SP12         MID TOP GP OOP         STRING					
SP2         TOP BEAM MID OOP         STRING         125mm         HORIZ           SP3         TOP BEAM N OOP ROT         STRING         125mm         HORIZ           SP4         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP5         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP6         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP7         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP9         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP12         MID TOP GP OOP         STRING         125mm         HORIZ           SP13         S BOT BEAM DRIFT W SIDE         STRING         250mm         HORIZ           SP14         S BOT BRACE DIAG/IP         STRING         250mm		DESCRIPTION			
SP3         TOP BEAM N OOP ROT         STRING         125mm         HORIZ           SP4         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP5         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP6         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP7         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP8         S TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP9         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP11         S BOT BEAM DRIFT E SIDE         STRING         250mm         HORIZ           SP14         S BOT BEAM DRIFT W SIDE         STRING         250mm         HORIZ           SP15         N BOT BRACE DIAG/OP         STRING         250mm         HORIZ           SP15         N BOT BRACE DIAG/OOP         STRING         250mm </td <td></td> <td></td> <td></td> <td></td> <td></td>					
SP4         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP5         S BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP6         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP7         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP9         S TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP11         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP12         MID TOP GP OOP         STRING         125mm         HORIZ           SP13         S BOT BEAM DRIFT W SIDE         STRING         250mm         HORIZ           SP14         S BOT BRACE DIAG/IP         STRING         250mm         HORIZ           SP15         N BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP20         N TOP BRACE DIAG/OOP         STRING         250mm <td>SPZ</td> <td>ION REAM WID OOK</td> <td></td> <td>125mm</td> <td></td>	SPZ	ION REAM WID OOK		125mm	
SP5         S B0T BRACE DIAG/OOP         STRING         250mm         HORIZ           SP6         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP7         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP9         S TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP12         MID TOP GP OOP         STRING         125mm         HORIZ           SP13         S BOT BEAM DRIFT W SIDE         STRING         250mm         HORIZ           SP14         S BOT BEAM DRIFT W SIDE         STRING         250mm         HORIZ           SP15         N BOT BRACE DIAG/IP         STRING         250mm         HORIZ           SP16         N BOT BRACE DIAG/OOP         STRING         250mm         HORIZ           SP20         N TOP BRACE DIAG/OOP         STRING         250mm </td <td>SP3</td> <td>IOH REAW N OOH KOI</td> <td></td> <td>125mm</td> <td></td>	SP3	IOH REAW N OOH KOI		125mm	
SP6         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP7         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP9         S TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP12         MID TOP GP OOP STRING         250mm         HORIZ           SP13         S BOT BEAM DRIFT W SIDE         STRING         250mm           SP14         S BOT BRACE DIAG/IP         STRING         250mm           SP15         N BOT BRACE DIAG/IP         STRING         250mm         HORIZ           SP16         N TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP18         N TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP20         N TOP BRACE DIAG/OOP         STRING         125mm         HORIZ           SP21 <td></td> <td></td> <td></td> <td>250mm</td> <td></td>				250mm	
SP7         S TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP8         S TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP9         S TOP GP OOP BROE EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP11         S TOP GP OOP         STRING         125mm         HORIZ           SP12         MID TOP GP OOP         STRING         125mm         HORIZ           SP13         S BOT BEAM DRIFT W SIDE         STRING         250mm         HORIZ           SP15         N BOT BRACE DIAG/IP         STRING         250mm         HORIZ           SP16         N BOT BRACE DIAG/OP         STRING         250mm         HORIZ           SP18         N TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP19         N TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP20         N TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP21         N TOP GP OOP STORE         STRING         125mm	SP5	S BUT BRACE DIAG/OOP		<u>250mm</u>	
SP8 S TOP BRACE QUARTER PT STRING 250mm HORIZ SP9 S TOP GP OOP BOT EDGE STRING 125mm HORIZ SP10 S TOP GP OOP SEDGE STRING 125mm HORIZ SP11 S TOP GP OOP CENTER STRING 125mm HORIZ SP12 MID TOP GP OOP STRING 125mm HORIZ SP13 S BOT BEAM DRIFT E SIDE STRING 250mm SP14 S BOT BEAM DRIFT W SIDE STRING 250mm HORIZ SP15 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP16 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP17 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP18 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE QUARTER PT STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP SOP STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT W SIDE STRING 250mm SP25 N BOT BEAM DRIFT W SIDE STRING 250mm SP26 N BOT BEAM DRIFT SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 250mm SP28 N BOT BEAM DRIFT W SIDE STRING 250mm SP28 N BOT BEAM DRIFT W SIDE STRING 250mm SP28 N BOT BEAM DRIFT DIAL 25mm DAS SANCHOR PL SLIP DIAL 25mm DAS SASE PL SLIP DIAL	SP6		STRING	250mm	HORIZ
SP9         S TOP GP OOP GP OOP S EDGE         STRING         125mm         HORIZ           SP10         S TOP GP OOP S EDGE         STRING         125mm         HORIZ           SP11         S TOP GP OOP CENTER         STRING         125mm         HORIZ           SP12         MID TOP GP OOP         STRING         125mm         HORIZ           SP13         S BOT BEAM DRIFT E SIDE         STRING         250mm           SP14         S BOT BEAM DRIFT W SIDE         STRING         250mm           SP15         N BOT BRACE DIAG/IP         STRING         250mm           SP16         N BOT BRACE DIAG/OP         STRING         250mm         HORIZ           SP18         N TOP BRACE DIAG/OOP         STRING         250mm         HORIZ           SP19         N TOP BRACE QUARTER PT         STRING         250mm         HORIZ           SP20         N TOP BRACE QUARTER PT         STRING         125mm         HORIZ           SP21         N TOP GP OOP BOT EDGE         STRING         125mm         HORIZ           SP22         N TOP GP OOP CENTER         STRING         125mm         HORIZ           SP23         N BOT BEAM DRIFT WP         STRING         250mm           SP25         N			STRING	250mm	HORIZ
SP10S TOP GP OOP S EDGESTRING125mmHORIZSP11S TOP GP OOP CENTERSTRING125mmHORIZSP12MID TOP GP OOPSTRING125mmHORIZSP13S BOT BEAM DRIFT E SIDESTRING250mmSP14S BOT BEAM DRIFT W SIDESTRING250mmSP15N BOT BRACE DIAG/IPSTRING250mmHORIZSP16N BOT BRACE DIAG/OPSTRING250mmHORIZSP18N TOP BRACE DIAG/OOPSTRING250mmHORIZSP20N TOP BRACE QUARTER PTSTRING250mmHORIZSP20N TOP BRACE QUARTER PTSTRING250mmHORIZSP21N TOP GP OOP BOT EDGESTRING125mmHORIZSP22N TOP GP OOP CENTERSTRING125mmHORIZSP23N TOP GP OOP CENTERSTRING125mmHORIZSP24N BOT BEAM DRIFT WPSTRING250mmSP25N BOT BEAM DRIFT WSTRING250mmSP26N BOT BEAM DRIFT W SIDESTRING250mmSP27S BOT BRACE OOPSTRING250mmSP28N BOT BRACE OOPSTRING25mmD1S ANCHOR PL SLIPDIAL25mmD4S BASE PL SLIPDIAL25mmD5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mmD8N BASE PL UPLIFTDIAL25mmD9ACTUATOR BAS		S TOP BRACE QUARTER PT			HORIZ
SP11 S TOP GP OOP CENTER STRING 125mm HORIZ SP12 MID TOP GP OOP STRING 125mm HORIZ SP13 S BOT BEAM DRIFT E SIDE STRING 250mm SP14 S BOT BEAM DRIFT W SIDE STRING 250mm SP15 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP16 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP18 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP19 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT SIDE STRING 250mm SP26 N BOT BEAM DRIFT SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL SLIP DIAL 25mm D3 S BASE PL SLIP DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL SLIP DIAL 25mm D7 N BASE PL UPLIFT DIAL 25mm D8 N BASE PL UPLIFT DIAL 25mm				125mm	
SP11 S TOP GP OOP CENTER STRING 125mm HORIZ SP12 MID TOP GP OOP STRING 125mm HORIZ SP13 S BOT BEAM DRIFT E SIDE STRING 250mm SP14 S BOT BEAM DRIFT W SIDE STRING 250mm SP15 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP16 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP18 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP19 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT SIDE STRING 250mm SP26 N BOT BEAM DRIFT SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL SLIP DIAL 25mm D3 S BASE PL SLIP DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL SLIP DIAL 25mm D7 N BASE PL UPLIFT DIAL 25mm D8 N BASE PL UPLIFT DIAL 25mm			STRING	125mm	
SP12         MID         TOP         GP         OOP         STRING         125mm         HORIZ           SP13         S         BOT         BEAM         DRIFT         E         SIDE         STRING         250mm           SP14         S         BOT         BEAM         DRIFT         W         SIDE         STRING         250mm         HORIZ           SP15         N         BOT         BRACE         DIAG/IP         STRING         250mm         HORIZ           SP16         N         BOT         BRACE         DIAG/OP         STRING         250mm         HORIZ           SP18         N         TOP         BRACE         DIAG/OOP         STRING         250mm         HORIZ           SP19         N         TOP         BRACE         DIAG/OOP         STRING         250mm         HORIZ           SP20         N         TOP         BRACE         QUARTER         PT         STRING         250mm         HORIZ           SP21         N         TOP         GP         OOP         NEDGE         STRING         125mm         HORIZ           SP23         N         TOP         GP         OOP         CENTER         STRING	SP11		STRING	125mm	
SP13 S BOT BEAM DRIFT E SIDE STRING 250mm SP14 S BOT BEAM DRIFT W SIDE STRING 250mm SP15 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP16 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP18 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP19 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE QUARTER PT STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT W SIDE STRING 250mm SP26 N BOT BEAM DRIFT W SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 125mm SP28 N BOT BRACE OOP STRING 125mm SP28 N BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL SLIP DIAL 25mm D4 S BASE PL SLIP DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL SLIP DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL SLIP DIAL 25mm			STRING	125mm	HORIZ
SP14S BOT BEAM DRIFT W SIDESTRING250mmSP15N BOT BRACE DIAG/IPSTRING250mmHORIZSP16N BOT BRACE DIAG/IPSTRING250mmHORIZSP18N TOP BRACE DIAG/OOPSTRING250mmHORIZSP19N TOP BRACE DIAG/OOPSTRING250mmHORIZSP20N TOP BRACE QUARTER PTSTRING250mmHORIZSP21N TOP GP OOP BOT EDGESTRING125mmHORIZSP22N TOP GP OOP N EDGESTRING125mmHORIZSP23N TOP GP OOP CENTERSTRING125mmHORIZSP24N BOT BEAM DRIFT WPSTRING250mmSP25N BOT BEAM DRIFT E SIDESTRING250mmSP26N BOT BEAM DRIFT W SIDESTRING250mmSP27S BOT BRACE OOPSTRING250mmSP28N BOT BRACE OOPSTRING250mmDDESCRIPTIONTYPERANGE +/-FREEDOMD1S ANCHOR PL SLIPDIAL25mmD4S BASE PL SLIPDIAL25mmD5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mmD8N BASE PL SLIPDIAL25mmD9ACTUATOR BASE PL UPLIFTDIAL25mm				250mm	
SP15 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP16 N BOT BRACE DIAG/IP STRING 250mm HORIZ SP18 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP19 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE QUARTER PT STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT WP STRING 250mm SP26 N BOT BEAM DRIFT W SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL UPLIFT DIAL 25mm D3 S BASE PL SLIP DIAL 25mm D4 S BASE PL UPLIFT DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL SLIP DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL SLIP DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL UPLIFT DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm	SP14	S BOT BEAM DRIFT W SIDE		250mm	
SP16N BOT BRACE DIAG/IPSTRING250mmHORIZSP18N TOP BRACE DIAG/OOPSTRING250mmHORIZSP19N TOP BRACE DIAG/OOPSTRING250mmHORIZSP20N TOP BRACE QUARTER PTSTRING250mmHORIZSP21N TOP GP OOP BOT EDGESTRING125mmHORIZSP22N TOP GP OOP N EDGESTRING125mmHORIZSP23N TOP GP OOP CENTERSTRING125mmHORIZSP24N BOT BEAM DRIFT WPSTRING250mmSP25N BOT BEAM DRIFT E SIDESTRING250mmSP26N BOT BEAM DRIFT W SIDESTRING250mmSP27S BOT BRACE OOPSTRING125mmSP28N BOT BRACE OOPSTRING250mmD1S ANCHOR PL SLIPDIAL25mmD2S ANCHOR PL UPLIFTDIAL25mmD3S BASE PL SLIPDIAL25mmD4S BASE PL SLIPDIAL25mmD5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mmD8N BASE PL SLIPDIAL25mmD9ACTUATOR BASE PL UPLIFTDIAL25mm	SP15	N BOT BRACE DIAG/IP	STRING	250mm	HORIZ
SP18N TOP BRACE DIAG/OOPSTRING250mmHORIZSP19N TOP BRACE DIAG/OOPSTRING250mmHORIZSP20N TOP BRACE QUARTER PTSTRING250mmHORIZSP21N TOP GP OOP BOT EDGESTRING125mmHORIZSP22N TOP GP OOP N EDGESTRING125mmHORIZSP23N TOP GP OOP CENTERSTRING125mmHORIZSP24N BOT BEAM DRIFT WPSTRING250mmSP25N BOT BEAM DRIFT WSIDESTRING250mmSP26N BOT BEAM DRIFT W SIDESTRING250mmSP27S BOT BRACE OOPSTRING125mmSP28N BOT BRACE OOPSTRING250mmSP28N BOT BRACE OOPSTRING250mmD1S ANCHOR PL SLIPDIAL25mmD2S ANCHOR PL UPLIFTDIAL25mmD3S BASE PL SLIPDIAL25mmD4S BASE PL SLIPDIAL25mmD5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL SLIPDIAL25mmD7N BASE PL SLIPDIAL25mmD8N BASE PL UPLIFTDIAL25mmD9ACTUATOR BASE PL UPLIFTDIAL25mm				250mm	HORIZ
SP19 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE QUARTER PT STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT E SIDE STRING 250mm SP26 N BOT BEAM DRIFT W SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 125mm SP28 N BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm  D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL UPLIFT DIAL 25mm D3 S BASE PL SLIP DIAL 25mm D4 S BASE PL SLIP DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL SLIP DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm		,			
SP19 N TOP BRACE DIAG/OOP STRING 250mm HORIZ SP20 N TOP BRACE QUARTER PT STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT E SIDE STRING 250mm SP26 N BOT BEAM DRIFT W SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 125mm SP28 N BOT BRACE OOP STRING 250mm SP28 N BOT BRACE OOP STRING 250mm  D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL UPLIFT DIAL 25mm D3 S BASE PL SLIP DIAL 25mm D4 S BASE PL SLIP DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL SLIP DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm	SP18	N TOP BRACE DIAG/OOP	STRING	250mm	HORIZ
SP20 N TOP BRACE QUARTER PT STRING 250mm HORIZ SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT E SIDE STRING 250mm SP26 N BOT BEAM DRIFT W SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 125mm SP28 N BOT BRACE OOP STRING 250mm  SP28 N BOT BRACE OOP STRING 250mm  D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL UPLIFT DIAL 25mm D3 S BASE PL SLIP DIAL 25mm D4 S BASE PL SLIP DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL SLIP DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm		N TOP BRACE DIAG/OOP		250mm	
SP21 N TOP GP OOP BOT EDGE STRING 125mm HORIZ SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm SP25 N BOT BEAM DRIFT E SIDE STRING 250mm SP26 N BOT BEAM DRIFT W SIDE STRING 250mm SP27 S BOT BRACE OOP STRING 125mm SP28 N BOT BRACE OOP STRING 250mm  SP28 N BOT BRACE OOP STRING 250mm  DESCRIPTION TYPE RANGE +/- FREEDOM D1 S ANCHOR PL SLIP DIAL 25mm D2 S ANCHOR PL UPLIFT DIAL 25mm D4 S BASE PL SLIP DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL SLIP DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm					
SP22 N TOP GP OOP N EDGE STRING 125mm HORIZ SP23 N TOP GP OOP CENTER STRING 125mm HORIZ SP24 N BOT BEAM DRIFT WP STRING 250mm  SP25 N BOT BEAM DRIFT E SIDE STRING 250mm  SP26 N BOT BEAM DRIFT W SIDE STRING 250mm  SP27 S BOT BRACE OOP STRING 125mm  SP28 N BOT BRACE OOP STRING 250mm  SP28 N BOT BRACE OOP STRING 250mm  DESCRIPTION TYPE RANGE + / FREEDOM  D1 S ANCHOR PL SLIP DIAL 25mm  D2 S ANCHOR PL UPLIFT DIAL 25mm  D3 S BASE PL SLIP DIAL 25mm  D4 S BASE PL SLIP DIAL 25mm  D5 N ANCHOR PL SLIP DIAL 25mm  D6 N ANCHOR PL UPLIFT DIAL 25mm  D7 N BASE PL SLIP DIAL 25mm  D8 N BASE PL SLIP DIAL 25mm  D9 ACTUATOR BASE PL UPLIFT DIAL 25mm  D1 S ANCHOR PL UPLIFT DIAL 25mm  D1 S ANCHOR PL UPLIFT DIAL 25mm  D2 S ANCHOR PL UPLIFT DIAL 25mm  D3 S BASE PL SLIP DIAL 25mm  D4 S BASE PL SLIP DIAL 25mm  D5 N ANCHOR PL UPLIFT DIAL 25mm  D6 N ANCHOR PL UPLIFT DIAL 25mm  D7 N BASE PL SLIP DIAL 25mm  D8 N BASE PL UPLIFT DIAL 25mm	SP21				HORIZ
SP23 N TOP GP OOP CENTER STRING 125mm HORIZ  SP24 N BOT BEAM DRIFT WP STRING 250mm  SP25 N BOT BEAM DRIFT E SIDE STRING 250mm  SP26 N BOT BEAM DRIFT W SIDE STRING 250mm  SP27 S BOT BRACE OOP STRING 125mm  SP28 N BOT BRACE OOP STRING 250mm  POSCRIPTION TYPE RANGE +/- FREEDOM  D1 S ANCHOR PL SLIP DIAL 25mm  D2 S ANCHOR PL UPLIFT DIAL 25mm  D3 S BASE PL SLIP DIAL 25mm  D4 S BASE PL SLIP DIAL 25mm  D5 N ANCHOR PL SLIP DIAL 25mm  D6 N ANCHOR PL UPLIFT DIAL 25mm  D7 N BASE PL SLIP DIAL 25mm  D8 N BASE PL SLIP DIAL 25mm  D9 ACTUATOR BASE PL UPLIFT DIAL 25mm  D1 D	SP22				HORI7
SP24 N BOT BEAM DRIFT WP STRING 250mm  SP25 N BOT BEAM DRIFT E SIDE STRING 250mm  SP26 N BOT BEAM DRIFT W SIDE STRING 250mm  SP27 S BOT BRACE OOP STRING 125mm  SP28 N BOT BRACE OOP STRING 250mm  → DESCRIPTION TYPE RANGE + / FREEDOM  D1 S ANCHOR PL SLIP DIAL 25mm  D2 S ANCHOR PL UPLIFT DIAL 25mm  D3 S BASE PL SLIP DIAL 25mm  D4 S BASE PL SLIP DIAL 25mm  D5 N ANCHOR PL SLIP DIAL 25mm  D6 N ANCHOR PL SLIP DIAL 25mm  D7 N BASE PL UPLIFT DIAL 25mm  D8 N BASE PL UPLIFT DIAL 25mm  D9 ACTUATOR BASE PL UPLIFT DIAL 25mm	SP23			125mm	
SP25 N BOT BEAM DRIFT E SIDE STRING 250mm  SP26 N BOT BEAM DRIFT W SIDE STRING 250mm  SP27 S BOT BRACE OOP STRING 125mm  SP28 N BOT BRACE OOP STRING 250mm  ✓ DESCRIPTION TYPE RANGE +/- FREEDOM  D1 S ANCHOR PL SLIP DIAL 25mm  D2 S ANCHOR PL UPLIFT DIAL 25mm  D3 S BASE PL SLIP DIAL 25mm  D4 S BASE PL SLIP DIAL 25mm  D5 N ANCHOR PL SLIP DIAL 25mm  D6 N ANCHOR PL SLIP DIAL 25mm  D7 N BASE PL SLIP DIAL 25mm  D8 N BASE PL SLIP DIAL 25mm  D9 ACTUATOR BASE PL UPLIFT DIAL 25mm	SP24		STRING	250mm	
SP26 N BOT BEAM DRIFT W SIDE STRING 250mm  SP27 S BOT BRACE OOP STRING 125mm  SP28 N BOT BRACE OOP STRING 250mm					
SP27       S BOT BRACE 00P       STRING       125mm         SP28       N BOT BRACE 00P       STRING       250mm         ✓       DESCRIPTION       TYPE       RANGE +/− FREEDOM         D1       S ANCHOR PL SLIP       DIAL       25mm         D2       S ANCHOR PL UPLIFT       DIAL       25mm         D3       S BASE PL SLIP       DIAL       25mm         D4       S BASE PL UPLIFT       DIAL       25mm         D5       N ANCHOR PL SLIP       DIAL       25mm         D6       N ANCHOR PL UPLIFT       DIAL       25mm         D7       N BASE PL SLIP       DIAL       25mm         D8       N BASE PL UPLIFT       DIAL       25mm         D9       ACTUATOR BASE PL UPLIFT       DIAL       25mm					
SP28 N BOT BRACE OOP STRING 250mm  DESCRIPTION TYPE RANGE +/- FREEDOM  D1 S ANCHOR PL SLIP DIAL 25mm  D2 S ANCHOR PL UPLIFT DIAL 25mm  D3 S BASE PL SLIP DIAL 25mm  D4 S BASE PL SLIP DIAL 25mm  D5 N ANCHOR PL SLIP DIAL 25mm  D6 N ANCHOR PL SLIP DIAL 25mm  D7 N BASE PL SLIP DIAL 25mm  D8 N BASE PL SLIP DIAL 25mm  D9 ACTUATOR BASE PL UPLIFT DIAL 25mm					
DESCRIPTION TYPE RANGE +/- FREEDOM  D1 S ANCHOR PL SLIP D2 S ANCHOR PL UPLIFT D3 S BASE PL SLIP D4 S BASE PL UPLIFT D5 N ANCHOR PL SLIP D6 N ANCHOR PL UPLIFT D6 N ANCHOR PL UPLIFT D7 N BASE PL SLIP D8 N BASE PL SLIP D9 ACTUATOR BASE PL UPLIFT D1AL D25mm D25mm D30 D40 D50 D60 D70 D70 D70 D70 D70 D70 D70 D70 D70 D7				250mm	
DESCRIPTION TYPE RANGE +/- FREEDOM  D1 S ANCHOR PL SLIP  D2 S ANCHOR PL UPLIFT  D3 S BASE PL SLIP  D4 S BASE PL UPLIFT  D5 N ANCHOR PL SLIP  D6 N ANCHOR PL UPLIFT  D7 N BASE PL SLIP  D8 N BASE PL UPLIFT  D8 N BASE PL UPLIFT  D9 ACTUATOR BASE PL UPLIFT  D1AL  25mm			///////////////////////////////////////		
D1 S ANCHOR PL SLIP DIAL 25mm  D2 S ANCHOR PL UPLIFT DIAL 25mm  D3 S BASE PL SLIP DIAL 25mm  D4 S BASE PL UPLIFT DIAL 25mm  D5 N ANCHOR PL SLIP DIAL 25mm  D6 N ANCHOR PL UPLIFT DIAL 25mm  D7 N BASE PL UPLIFT DIAL 25mm  D8 N BASE PL UPLIFT DIAL 25mm  D9 ACTUATOR BASE PL UPLIFT DIAL 25mm		DESCRIPTION	TYPE	RANGE +/-	FREEDOM
D2 S ANCHOR PL UPLIFT DIAL 25mm D3 S BASE PL SLIP DIAL 25mm D4 S BASE PL UPLIFT DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL SLIP DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm		S ANCHOR PL SLIP		25mm	
D3         S BASE PL SLIP         DIAL         25mm           D4         S BASE PL UPLIFT         DIAL         25mm           D5         N ANCHOR PL SLIP         DIAL         25mm           D6         N ANCHOR PL UPLIFT         DIAL         25mm           D7         N BASE PL SLIP         DIAL         25mm           D8         N BASE PL UPLIFT         DIAL         25mm           D9         ACTUATOR BASE PL UPLIFT         DIAL         25mm				25mm	
D4 S BASE PL UPLIFT DIAL 25mm D5 N ANCHOR PL SLIP DIAL 25mm D6 N ANCHOR PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL UPLIFT DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm	D3			25mm	
D5         N ANCHOR PL SLIP         DIAL         25mm           D6         N ANCHOR PL UPLIFT         DIAL         25mm           D7         N BASE PL SLIP         DIAL         25mm           D8         N BASE PL UPLIFT         DIAL         25mm           D9         ACTUATOR BASE PL UPLIFT         DIAL         25mm			DIAL		
D6 N ANCHOR PL UPLIFT DIAL 25mm D7 N BASE PL SLIP DIAL 25mm D8 N BASE PL UPLIFT DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm	D5				
D7 N BASE PL SLIP DIAL 25mm  D8 N BASE PL UPLIFT DIAL 25mm  D9 ACTUATOR BASE PL UPLIFT DIAL 25mm					
D8 N BASE PL UPLIFT DIAL 25mm D9 ACTUATOR BASE PL UPLIFT DIAL 25mm					
D9 ACTUATOR BASE PL UPLIFT DIAL 25mm					
D10 ACTUATOR BASE PL SLIP DIAL 25mm					
TO THE TOTAL PROPERTY OF THE P				25mm	
		THE TOTAL OF BUILDING	DIAL	2011111	

NCBF-INV-3 NON-SEISMIC CBF WITH WIDE FLANGE BRACES

RANGE

#### POTENTIOMETER DESIGNATIONS

<u>ABBRE \</u>	<u>/IATIONS</u>
N	NORTH
S	SOUTH
Ε	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

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# PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

NEESR NCREE BRACED FRAME TEST

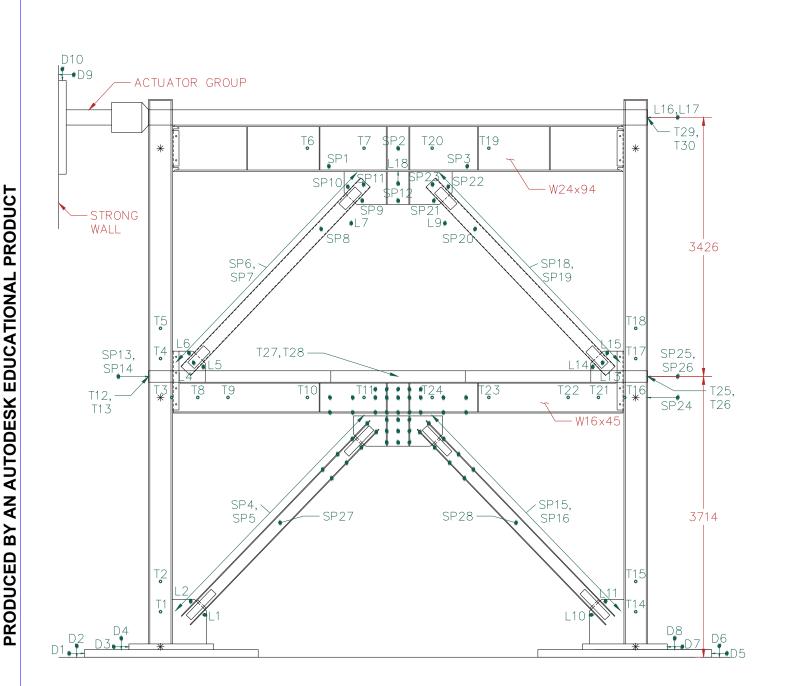
DRAWN BY: ADS DESIGNED BY: ADS DATE: 8/23/2013

CONTACT: ADSEN@UW.EDU

SCALE: 1mm = 50mm

NEESR NCREE BRACED FRAME TEST DRAWN BY: ADS DESIGNED BY: ADS DATE: 8/23/2013 CONTACT: ADSEN@UW.EDU IN-4

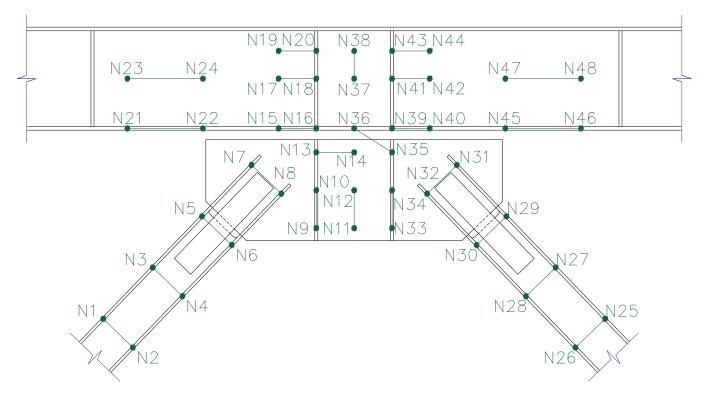
NCBF-INV-3 NON-SEISMIC CBF WITH WIDE FLANGE BRACES



# **-** 300 <del>- | -</del> 300 **-**144 110 -190 PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT 150 50 -139 T5 300 100 **-⊙** T4 BOTTOM BEAM GUSSET PLATE LED LOCATION DETAIL 202 190 100 T8 Т9 Т3 T2 236 TYPICAL BEAM/COLUMN GUSSET INSTRUMENTATION T1 164 -D4 D2 D3 -NCBF-INV-3 - NON-SEISMIC CBF WITH WIDE FLANGE BRACES NEESR NCREE BRACED FRAME TEST BASE GUSSET PLATE INSTRUMENTATION IN-5 DRAWN BY: ADS DESIGNED BY: ADS DATE: 8/23/2013 CONTACT: ADSEN@UW.EDU

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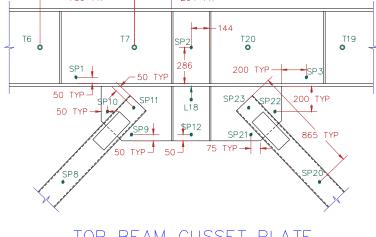
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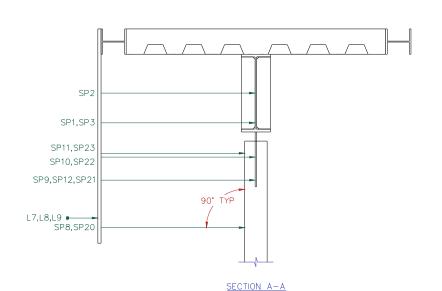
BOTTOM BEAM GUSSET PLATE LED NUMBERING

NCBF-INV-3 - NON-SEISMIC CBF WITH WIDE FLANGE BRACES

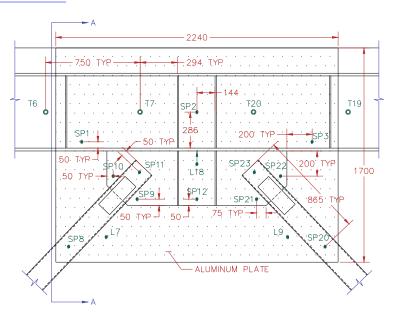
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## BEAM GUSSET PLATE INSTRUMENTATION DETAIL



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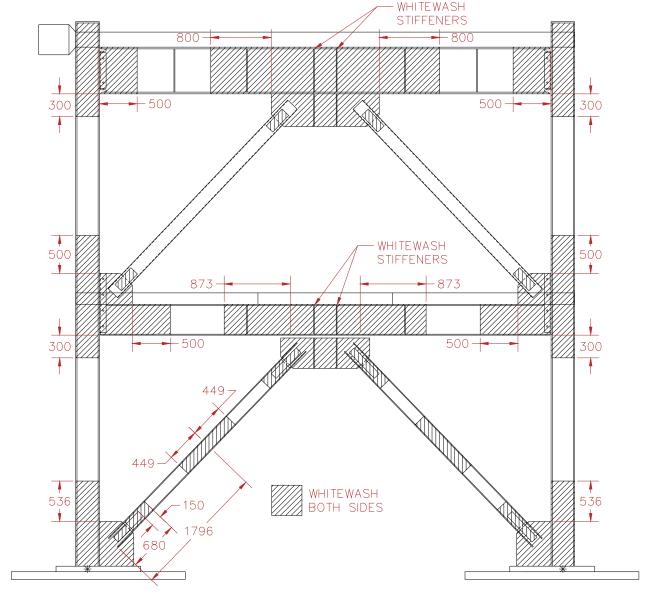
# NCBF-INV-3 - NON-SEISMIC CBF WITH WIDE FLANGE BRACES

NEESR NCREE BRACED FRAME TEST

DRAWN BY: ADS DESIGNED BY: ADS

DATE: 8/23/2013

CONTACT: ADSEN@UW.EDU



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

WHITEWASH PLAN SCALE: 1mm = 50mm