

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

РЯОРИСЕР ВҮ АМ АИТОРЕЗК ЕРИСАТІОИАL РЯОРИСТ

<u>KEY</u>

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

- POTENTIOMETER PERPENDICULAR TO PLANE
- POTENTIOMETER IN DIRECTION OF ARROW

• TILTMETER (T)

• NDI OPTOTRAK LED TARGET (N)

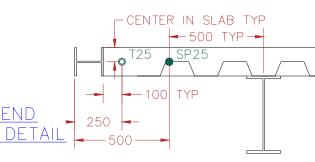
TILTMETER DESIGNATIONS

<u>ABBRE</u>	VIATIONS
N	NORTH
S	SOUTH
E	EAST
W	WEST
BOT	BOTTOM
MID	MIDDLE
COL	COLUMN
BR	BRACE
PL	PLATE
OOP	OUT OF PLANE
DIAG	DIAGONAL
DISP	DISPLACEMENT
ROT	ROTATION
ΡT	POINT
WP	WORK POINT

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°
T6	TOP BEAM ROT MID S SIDE	10°
T7	TOP BEAM ROT MID S SIDE	5°
Τ8	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°
T12	BOT SLAB ROT S SIDE E	10° 5° 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°
T17	N COL MID ROT	10°
T18	N COL MID ROT	10°
T19	TOP BEAM ROT MID N SIDE	10°
T20	TOP BEAM ROT MID N SIDE	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	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	5°

NDI OPTOTRAK LED DESIGNATIONS

NDI	OF TO TRAN LED DE		IA HUNJ
۲	DESCRIPTION	۲	DESCRIPTION
N1	BR1 OOP QUARTER PT	N25	BOT BEAM MID GP GRID
N2	BOT BEAM MID GP GRID	N26	BOT BEAM MID GP GRID
Ν3	BOT BEAM MID GP GRID	N27	BOT BEAM MID GP GRID
N4	BOT BEAM MID GP GRID	N28	BOT BEAM MID WEB GRID
N5	BOT BEAM MID GP GRID	N29	BOT BEAM MID WEB GRID
N6	BOT BEAM MID GP GRID	N30	BOT BEAM MID WEB GRID
Ν7	BOT BEAM MID GP GRID	N31	BOT BEAM MID WEB GRID
N8	BOT BEAM MID GP GRID	N32	BOT BEAM MID WEB GRID
N9	BOT BEAM MID GP GRID	N33	BOT BEAM MID WEB GRID
N10	bot beam Mid gp grid	N34	BOT BEAM MID WEB GRID
N11	BOT BEAM MID GP GRID	N35	BOT BEAM MID WEB 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 GP GRID	N39	BOT BEAM MID WEB GRID
N16	BOT BEAM MID GP GRID	N40	BOT BEAM MID WEB GRID
N17	BOT BEAM MID GP GRID	N41	BOT BEAM MID WEB GRID
N18	BOT BEAM MID GP GRID	N42	BOT BEAM MID WEB GRID
N19	BOT BEAM MID GP GRID	N43	BOT BEAM MID WEB GRID
N20	BR2 OOP QUARTER PT	N44	BOT BEAM MID WEB GRID
N21	BOT BEAM MID GP GRID	N45	BOT BEAM MID WEB GRID
N22	BOT BEAM MID GP GRID	N46	BOT BEAM MID WEB GRID
N23	BOT BEAM MID GP GRID	N47	BOT BEAM MID WEB GRID
N24	BOT BEAM MID GP GRID	N48	BOT BEAM MID WEB GRID



NOTE: LOCATE INCLINOMETERS ON OUTSIDE EDGE OF EACH SLAB

DWG:

IN-2

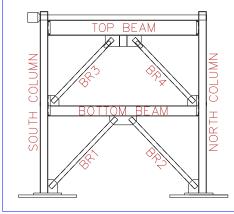
NCBF1 - NON-SEISMIC CONCENTRICALLY BRACED FRAME 1

NEESR NCREE BRACED FRAME TEST

DRAWN BY: ADS DESIGNED BY: ADS DATE: 7/6/2013 CONTACT: ADSEN@UW.EDU

TYPICAL SLAB END

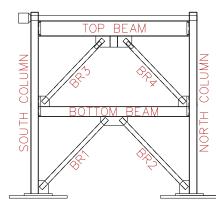
INSTRUMENTATION



ΡΑΟDUCED ΒΥ ΑΝ Αυτοdesk εducational product

POTENTIOMETER DESIGNATIONS

L1 S BASE GP OOP CENTER TML 100mm L3 S BASE GP OOP TML 100mm L4 S MID GP OOP CENTER TML 50mm Hft L5 S MID GP OOP NEDGE TML 100mm Hft L6 S MID GP OOP TML 100mm Hft L7 ALUMINUM PL OOP S TML 25mm L10 N BASE GP OOP S DGE TML 100mm Hft L11 N BASE GP OOP S EDGE TML 100mm Hft L12 N BASE GP OOP S EDGE TML 100mm Hft L13 N MID GP OOP S EDGE TML 100mm Hft L13 N MID GP OOP S EDGE TML 100mm <th></th>	
L2 S BASE GP OOP N EDGE TML 100mm L4 S MID GP OOP CEDE TML 100mm HI L5 S MID GP OOP TOP EDGE TML 100mm HI L6 S MID GP OOP TOP EDGE TML 100mm HI L10 N BASE GP OOP CEDGE TML 100mm L11 N BASE GP OOP CENTER TML 50mm HI 100mm HI L13 N MID <gp< td=""> OOP SEDGE TML 100mm HI L14 N MID<gp< td=""> OOP SEDGE TML 100mm HI L16 TOP BEAM NERT NSIDE TEMPO 250mm HI L16 DOP BOT STRING L25mm HI L16 DOP DO DESCRIPION STRING</gp<></gp<>	REEDOM
L2 S BASE GP OOP N EDGE TML 100mm L3 S BASE GP OOP TOP EDGE TML 100mm HI L4 S MID GP OOP TOP EDGE TML 100mm HI L5 S MID GP OOP TOP EDGE TML 100mm HI L6 S MID GP OOP TML 25mm HI L9 ALUMINUM PL OOP TML 25mm HI 100mm HI L10 N BASE GP OOP CENTER TML 50mm HI 100mm HI 110 N MID GP OOP CENTER TML 100mm HI 111 ND GP DOP DE DE TML 100mm HI L14 N MD DOP DD DD DD	
L3 S BASE GP 00P TOP EDGE TML 100mm L4 S MID GP 00P CENTER TML 100mm Hit L5 S MID GP 00P N EDGE TML 100mm Hit L5 S MID GP 00P N EDGE TML 100mm Hit L7 ALUMINUM PL 00P S TML 25mm TML L10 N BASE GP 00P CENTER TML 100mm Hit L11 N BASE GP 00P CENTER TML 100mm Hit L12 N BASE GP 00P S EDGE TML 100mm Hit L13 N MID GP 00P S EDGE TML 100mm Hit L14 N MID GP 00P TOP EDGE TML 100mm Hit L15 N MID GP 00P TOP EDGE TML 100mm Hit L16 TOP BEAM DRIFT W SIDE TEMPO 250mm Hit L17 TOP BEAM VERT DISP TML 150mm Hit L18 TOP BEAM VERT DISP TML 150mm Hit L19 BOT BEAM VERT DISP TML 150mm Hit SP10P BEAM N 00P ROT STRING	
L4 S MID GP OOP CENTER TML 50mm Ht L5 S MID GP OOP N EDGE TML 100mm Ht L6 S MID GP OOP TOP EDGE TML 100mm Ht L7 ALUMINUM PL OOP S TML 25mm 100mm L10 N BASE GP OOP CENTER TML 50mm 100mm L11 N BASE GP OOP SEDGE TML 100mm 101mm L12 N BASE GP OOP CENTER TML 50mm Ht L13 N MID GP OOP CENTER TML 100mm Ht L14 N MID GP OOP SEDGE TML 100mm Ht L15 N MID GP OOP SEDGE TML 100mm Ht L16 TOP BEAM DRIFT W SIDE TEMPO 250mm Ht L18 TOP BEAM VERT DISP TML 150mm Ht L19 BOT BEAM VERT DISP TML 150mm Ht SP1 TOP BEAM SOOP ROT STRING 125mm Ht SP2 TOP BEAM SOOP ROT STRING 125mm Ht SP2 TOP BEAM DOOP <	
L5 S MID GP OOP N EDGE TML 100mm Hi L6 S MID GP OOP TOP EDGE TML 100mm Hi L7 ALUMINUM PL OOP S TML 25mm L9 ALUMINUM PL OOP N TML 25mm L10 N BASE GP OOP CENTER TML 100mm L11 N BASE GP OOP SEDGE TML 100mm L12 N BASE GP OOP CENTER TML 50mm L14 N MID GP OOP SEDGE TML 100mm L15 N MID GP OOP TOP EDGE TML 100mm L16 TOP BEAM DRIFT E SIDE TEMPO 250mm L17 TOP BEAM DRIFT W SIDE TEMPO 250mm L18 TOP BEAM VERT DISP TML 150mm Hi L19 BOT BEAM VERT DISP TML 150mm Hi SP1 TOP BEAM NOOP ROT STRING 125mm Hi SP2 TOP BEAM NOOP ROT STRING 125mm Hi SP4 S BOT BRACE DIAG/OOP STRING 250mm Hi SP5 S TOP BRACE DIAG/OOP STRING <t< td=""><td>HORIZ</td></t<>	HORIZ
L6 S MID CP 00P TOP EDGE TML 100mm Ht L7 ALUMINUM PL 00P S TML 25mm L9 ALUMINUM PL 00P N TML 25mm L10 N BASE GP 00P CENTER TML 50mm L11 N BASE GP 00P SEDGE TML 100mm L12 N BASE GP 00P SEDGE TML 100mm L13 N MID GP 00P SEDGE TML 100mm L14 N MID GP 00P SEDGE TML 100mm L15 N MID GP 00P SEDGE TML 100mm L16 TOP BEAM DRIFT E SIDE TEMPO 250mm L17 TOP BEAM VERT DISP TML 150mm L18 TOP BEAM VERT DISP TML 150mm L19 BOT BRACE DIAC/OOP STRING 125mm SP1 TOP BEAM N OOP ROT STRING 125mm SP2 TOP BEAM N OOP ROT STRING 125mm SP3 TOP BEAM N OOP ROT STRING 250mm SP4 S BOT BRACE DIAC/OOP STRING 250mm SP4 S TOP BRACE DIAC/OOP STRING	HORIZ
L7 ALUMINUM PL OOP S TML 25mm L9 ALUMINUM PL OOP N TML 25mm L10 N BASE GP OOP CENTER TML 100mm L11 N BASE GP OOP SEDGE TML 100mm L12 N BASE GP OOP SEDGE TML 100mm L13 N MID GP OOP CENTER TML 100mm L14 N MID GP OOP SEDGE TML 100mm L15 N MID GP OOP TOP EDGE TML 100mm L16 TOP BEAM DRIFT & SIDE TEMPO 250mm L17 TOP BEAM VERT DISP TML 150mm Hit L18 TOP BEAM VERT DISP TML 150mm Hit L19 BOT BEAM VERT DISP TML 150mm Hit SP1 TOP BEAM NOP ROT STRING 125mm Hit SP3 TOP BEAM MID OOP STRING 125mm Hit SP4 S DOT BRACE DIAG/OOP STRING 125mm Hit SP5 S DOT BRACE DIAG/OOP STRING 250mm Hit SP6 S TOP BRAMEE DIAG/OOP STRING	HORIZ
L9 ALUMINUM PL OOP N TML 25mm L10 N BASE GP OOP CENTER TML 100mm L11 N BASE GP OOP SEDGE TML 100mm L12 N BASE GP OOP SEDGE TML 100mm L13 N MID GP OOP SEDGE TML 100mm Hi L14 N MID GP OOP SEDGE TML 100mm Hi L14 N MID GP OOP TOP EDGE TML 100mm Hi L15 N MID GP OOP TOP EDGE TML 100mm Hi L16 TOP BEAM DRIFT W SIDE TEMPO 250mm L17 TOP BEAM VERT DISP TML 150mm Hi L19 BOT BEAM VERT DISP TML 150mm Hi SP1 TOP BEAM NOOP ROT STRING 125mm Hi SP3 TOP BEAM NOOP ROT STRING 250mm Hi SP4 S OTP BRACE DIAG/OOP STRING 250mm Hi SP5 S TOP BRACE DIAG/OOP STRING 250mm Hi SP4 S OTP BRACE DIAG/OOP STRING 250mm Hi	
L10 N BASE GP OOP CENTER TML 100mm L11 N BASE GP OOP SDGE TML 100mm L12 N BASE GP OOP SDGE TML 100mm Hit L13 N MID GP OOP SDGE TML 100mm Hit L14 N MID GP OOP SDGE TML 100mm Hit L15 N MID GP OOP SDGE TML 100mm Hit L16 TOP BEAM DRIFT SIDE TEMPO 250mm Hit L18 TOP BEAM VERT DISP TML 150mm Hit L19 BOT BEAM VERT DISP TML 150mm Hit SP1 TOP BEAM VERT DISP TML 150mm Hit SP3 TOP BEAM NOOP STRING 125mm Hit SP4 S BOT </td <td></td>	
L10 N BASE GP OOP CENTER TML 50mm L11 N BASE GP OOP SEDGE TML 100mm L13 N MID GP OOP SEDGE TML 100mm Hit L14 N MID GP OOP SEDGE TML 100mm Hit L15 N MID GP OOP SEDGE TML 100mm Hit L16 TOP BEAM DRIFT SIDE TEMPO 250mm Hit L18 TOP BEAM VERT DISP TML 150mm Hit L19 BOT BEAM VERT DISP TML 150mm Hit SP1 TOP BEAM VERT DISP TML 150mm Hit SP3 TOP BEAM NOP STRING 125mm Hit SP4 S BOT BRACE DIAG/OOP STRING 250mm Hit SP5 S TOP	
L11 N BASE GP OOP S EDGE TML 100mm L12 N BASE GP OOP TOP EDGE TML 100mm L13 N MID GP OOP COFTER TML 100mm Hit L14 N MID GP OOP COFTER TML 100mm Hit L15 N MID GP OOP TOP EDGE TML 100mm Hit L16 TOP BEAM DRIFT E SIDE TEMPO 250mm L17 TOP BEAM VERT DISP TML 150mm Hit L19 BOT BEAM VERT DISP TML 150mm Hit MUTHANNA DESCRIPTION TYPE RANGE +/- FRE SP1 TOP BEAM S OOP ROT STRING 125mm Hit SP3 TOP BEAM S OOP ROT STRING 125mm Hit SP4 S BOT BRACE DIAG/OOP STRING 250mm Hit SP5 S BOT BRACE DIAG/OOP STRING 250mm Hit SP6 S TOP BRACE DIAG/OOP STRING 250mm Hit SP10 S TOP BRACE DIAG/OOP STRING 250mm Hit SP13 S DTO BRACE DIAG/OOP STRI	
L12 N BASE GP OOP TOP EDGE TML 100mm L13 N MID GP OOP CENTER TML 50mm Htt L14 N MID GP OOP SEDGE TML 100mm Htt L15 N MID GP OOP TOP EDGE TML 100mm Htt L16 TOP BEAM DRIFT & SIDE TEMPO 250mm L17 TOP BEAM VERT DISP TML 150mm Htt L18 TOP BEAM VERT DISP TML 150mm Htt MID OP DESCRIPTION TYPE RANGE +/- FRE SP1 TOP BEAM MID OOP STRING 125mm Htt SP3 TOP BEAM MID OOP STRING 250mm Htt SP3 TOP BRACE DIAG/OOP STRING 250mm Htt SP4 S BOT BRACE DIAG/OOP STRING 250mm Htt SP5 S TOP BRACE DIAG/OOP STRING 250mm Htt SP6 S TOP BRACE DIAG/OOP STRING 250mm Htt SP10 S TOP GP OOP BOT EDGE STRING 125mm Htt SP10 S TOP GP OOP	
L13N MID GP OOP CENTERTML50mmHIL14N MID GP OOP S EDGETML100mmHIL15N MID GP OOP TOP EDGETML100mmHIL16TOP BEAM DRIFT E SIDETEMPO250mmHIL17TOP BEAM VERT DISPTML150mmHIL19BOT BEAM VERT DISPTML150mmHIL19BOT BEAM VERT DISPTML150mmHISP1TOP BEAM VERT DISPTML150mmHISP2TOP BEAM SOOP ROTSTRING125mmHISP3TOP BEAM NOOP ROTSTRING125mmHISP4S BOT BRACE DIAG/OOPSTRING250mmHISP5S BOT BRACE DIAG/OOPSTRING250mmHISP6S TOP BRACE DIAG/OOPSTRING250mmHISP7S TOP BRACE DIAG/OOPSTRING250mmHISP8S TOP BRACE DIAG/OOPSTRING250mmHISP9S TOP CP OOP BOT EDGESTRING125mmHISP10S TOP GP OOP S EDGESTRING125mmHISP11S DOT GP OOP CENTERSTRING125mmHISP12MID TOP GP OOPSTRING125mmHISP13S BOT BEAM DRIFT E SIDESTRING125mmHISP14S BOT BEAM DRIFT WSIDESTRING250mmHISP15N BOT BRACE DIAG/OOPSTRING250mmHISP14N TOP BRACE DIAG/OOPSTRING250mmHI	
L14N MID GP OOP S EDGETML100mmHIL15N MID GP OOP TOP EDGETML100mmHIL16TOP BEAM DRIFT E SIDETEMPO250mmL17TOP BEAM VERT DISPTML150mmHIL19BOT BEAM VERT DISPTML150mmHIEV11TOP BEAM VERT DISPTML150mmHIEV11TOP BEAM VERT DISPTML150mmHISP1TOP BEAM NOOP ROTSTRING125mmHISP2TOP BEAM NOOP ROTSTRING125mmHISP3TOP BEAM NOOP ROTSTRING250mmHISP4S BOT BRACE DIAG/OOPSTRING250mmHISP5S BOT BRACE DIAG/OOPSTRING250mmHISP6S TOP BRACE DIAG/OOPSTRING250mmHISP6S TOP BRACE QUARTER PTSTRING250mmHISP10S TOP GP OOP SEDGESTRING125mmHISP11S TOP GP OOP SEDGESTRING125mmHISP13S BOT BEAM DRIFT & SIDESTRING125mmHISP14S BOT BEAM DRIFT W SIDESTRING250mmHISP13N TOP BRACE DIAG/OOPSTRING250mmHISP14S BOT BEAM DRIFT W SIDESTRING250mmHISP14N DOT BRACE DIAG/OOPSTRING250mmHISP14N TOP BRACE DIAG/OOPSTRING250mmHISP15N BOT BEAM DRIFT W SIDESTRING250mmHI <td></td>	
L15 N MID GP OOP TOP EDGE TML 100mm H0 L16 TOP BEAM DRIFT E SIDE TEMPO 250mm L17 TOP BEAM VERT DISP TML 150mm H0 L18 TOP BEAM VERT DISP TML 150mm H0 L19 BOT BEAM VERT DISP TML 150mm H0 MUDUMUNUNUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	HORIZ
L16TOP BEAM DRIFT E SIDETEMPO250mmL17TOP BEAM VERT DISPTML150mmH(L18TOP BEAM VERT DISPTML150mmH(L19BOT BEAM VERT DISPTML150mmH(DESCRIPTIONTYPERANCE +/-FRESP1TOP BEAM SOOP ROTSTRING125mmH(SP2TOP BEAM NOOP ROTSTRING125mmH(SP4S BOT BRACE DIAG/OOPSTRING250mmH(SP5S BOT BRACE DIAG/OOPSTRING250mmH(SP6S TOP BRACE DIAG/OOPSTRING250mmH(SP7S TOP BRACE DIAG/OOPSTRING250mmH(SP8S TOP BRACE DIAG/OOPSTRING250mmH(SP9S TOP BRACE QUARTER PTSTRING125mmH(SP10S TOP GP OOP BOT EDGESTRING125mmH(SP11S TOP GP OOP SEDGESTRING125mmH(SP13S BOT BEAM DRIFT E SIDESTRING250mmH(SP13S BOT BEAM DRIFT E SIDESTRING250mmH(SP14S BOT BRACE DIAG/OOPSTRING250mmH(SP13N BOT BRACE DIAG/OOPSTRING250mmH(SP14S BOT BEAM DRIFT W SIDESTRING250mmH(SP15N BOT BRACE DIAG/OOPSTRING250mmH(SP14N TOP BRACE DIAG/OOPSTRING250mmH(SP14N TOP BRACE DIAG/OOPSTRING250mm<	HORIZ
L16TOP BEAM DRIFT E SIDETEMPO250mmL17TOP BEAM VERT DISPTML150mmH(L18TOP BEAM VERT DISPTML150mmH(L19BOT BEAM VERT DISPTML150mmH(DESCRIPTIONTYPERANCE +/-FRESP1TOP BEAM SOOP ROTSTRING125mmH(SP2TOP BEAM NOOP ROTSTRING125mmH(SP4S BOT BRACE DIAG/OOPSTRING250mmH(SP5S BOT BRACE DIAG/OOPSTRING250mmH(SP6S TOP BRACE DIAG/OOPSTRING250mmH(SP7S TOP BRACE DIAG/OOPSTRING250mmH(SP8S TOP BRACE DIAG/OOPSTRING250mmH(SP9S TOP BRACE QUARTER PTSTRING125mmH(SP10S TOP GP OOP BOT EDGESTRING125mmH(SP11S TOP GP OOP SEDGESTRING125mmH(SP13S BOT BEAM DRIFT E SIDESTRING250mmH(SP13S BOT BEAM DRIFT E SIDESTRING250mmH(SP14S BOT BRACE DIAG/OOPSTRING250mmH(SP13N BOT BRACE DIAG/OOPSTRING250mmH(SP14S BOT BEAM DRIFT W SIDESTRING250mmH(SP15N BOT BRACE DIAG/OOPSTRING250mmH(SP14N TOP BRACE DIAG/OOPSTRING250mmH(SP14N TOP BRACE DIAG/OOPSTRING250mm<	HORIZ
L17TOP BEAM DRIFT W SIDETEMPO250mmL18TOP BEAM VERT DISPTML150mmHUL19BOT BEAM VERT DISPTML150mmHUPDESCRIPTIONTYPERANGE +/-FRESP1TOP BEAM SOOP ROTSTRING125mmHUSP2TOP BEAM NOOP ROTSTRING125mmHUSP4S BOT BRACE DIAG/OOPSTRING250mmHUSP5S BOT BRACE DIAG/OOPSTRING250mmHUSP6S TOP BRACE DIAG/OOPSTRING250mmHUSP7S TOP BRACE DIAG/OOPSTRING250mmHUSP8S TOP BRACE DIAG/OOPSTRING250mmHUSP9S TOP BRACE QUARTER PTSTRING250mmHUSP10S TOP GP OOP BOT EDGESTRING125mmHUSP10S TOP GP OOP SEDGESTRING125mmHUSP11S TOP GP OOPSTRING125mmHUSP12MID TOP GP OOPSTRING250mmHUSP14S BOT BEAM DRIFT E SIDESTRING250mmHUSP15N BOT BRACE DIAG/OOPSTRING250mmHUSP16N BOT BRACE DIAG/OOPSTRING250mmHUSP14S BOT BEAM DRIFT W SIDESTRING250mmHUSP14N TOP BRACE DIAG/OOPSTRING250mmHUSP15N BOT BRACE DIAG/OOPSTRING250mmHUSP14N TOP BRACE DIAG/OOPSTRING250mmHU <td></td>	
L18TOP BEAM VERT DISPTML150mmH0L19BOT BEAM VERT DISPTML150mmH0PDESCRIPTIONTYPERANGE + /-FRESP1TOP BEAM S OOP ROTSTRING125mmH0SP2TOP BEAM MID OOPSTRING125mmH0SP3TOP BEAM N OOP ROTSTRING25mmH0SP4S BOT BRACE DIAG/OOPSTRING250mmH0SP5S BOT BRACE DIAG/OOPSTRING250mmH0SP6S TOP BRACE DIAG/OOPSTRING250mmH0SP7S TOP BRACE DIAG/OOPSTRING250mmH0SP7S TOP BRACE DIAG/OOPSTRING250mmH0SP7S TOP BRACE QUARTER PTSTRING250mmH0SP10S TOP GP OOP BOT EDGESTRING125mmH0SP11S TOP GP OOP CENTERSTRING125mmH0SP12MID TOP GP OOPSEDGESTRING125mmH0SP13S BOT BEAM DRIFT & SIDESTRING250mmH0SP14S BOT BEAM DRIFT W SIDESTRING250mmH0SP13N BOT BRACE DIAG/OOPSTRING250mmH0SP14N BOT BRACE DIAG/OOPSTRING250mmH0SP14N BOT BRACE DIAG/OOPSTRING250mmH0SP14N DOP BRACE DIAG/OOPSTRING250mmH0SP14N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE DIAG/OOPSTRING </td <td></td>	
L19 BOT BEAM VERT DISP TML 150mm HI ● DESCRIPTION TYPE RANGE +/- FRE SP1 TOP BEAM SOOP ROT STRING 125mm HI SP2 TOP BEAM NID OOP STRING 125mm HI SP3 TOP BEAM N OOP ROT STRING 125mm HI SP4 S BOT BRACE DIAG/OOP STRING 250mm HI SP5 S BOT BRACE DIAG/OOP STRING 250mm HI SP5 S TOP BRACE QUARTER PT STRING 250mm HI SP10 S TOP GP OOP SEDGE STRING 125mm HI SP11 S TOP GP OOP STRING 125mm HI SP13 S BOT BEAM DRIFT E SIDE STRING 125mm HI SP13 S BOT BEAM DRIFT W SIDE STRING 250mm HI SP14	HORIZ
Image: Second Stress Second Stress Stress • DESCRIPTION TYPE RANGE +/ FRE SP1 TOP BEAM S OOP ROT STRING 125mm H0 SP2 TOP BEAM N OOP ROT STRING 125mm H0 SP4 S BOT BRACE DIAG/OOP STRING 250mm H0 SP5 S BOT BRACE DIAG/OOP STRING 250mm H0 SP5 S TOP BRACE DIAG/OOP STRING 250mm H0 SP6 S TOP BRACE DIAG/OOP STRING 250mm H0 SP7 S TOP BRACE QUARTER PT STRING 125mm H0 SP9 S TOP GP OOP BOT EDGE STRING 125mm H0 SP11 S TOP GP OOP SEDGE STRING 125mm H0 SP13 S BOT BEAM DRIFT & SIDE STRING 125mm H0 SP14 S BOT BEAM DRIFT W SIDE STRING 125mm H0 SP14 S BOT BEAM DRIFT W SIDE STRING 250mm S0 SP14 N	HORIZ
SP1TOP BEAM S OOP ROTSTRING125mmH0SP2TOP BEAM NID OOPSTRING125mmH0SP3TOP BEAM N OOP ROTSTRING125mmH0SP4S BOT BRACE DIAG/OOPSTRING250mmH0SP5S DT BRACE DIAG/OOPSTRING250mmH0SP6S TOP BRACE DIAG/OOPSTRING250mmH0SP7S TOP BRACE DIAG/OOPSTRING250mmH0SP8S TOP BRACE QUARTER PTSTRING250mmH0SP9S TOP GP OOP BOT EDGESTRING125mmH0SP10S TOP GP OOP S EDGESTRING125mmH0SP11S TOP GP OOP S EDGESTRING125mmH0SP12MID TOP GP OOPSTRING125mmH0SP13S BOT BEAM DRIFT E SIDESTRING250mmH0SP14S BOT BEAM DRIFT W SIDESTRING250mmH0SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP16N TOP BRACE DIAG/OOPSTRING250mmH0SP21N TOP BRACE DIAG/OOPSTRING250mmH0SP22N TOP BRACE DIAG/OOPSTRING250mmH0SP23N TOP GP OOP CENTERSTRING250mmH0SP24N BOT BEAM DRIFT WSIDESTRING250mmH0SP24N BOT BEAM DRIFT WSIDESTRING250mmH0SP24N BOT BEAM DRIFT WSIDE <t< td=""><td>///////////////////////////////////////</td></t<>	///////////////////////////////////////
SP2TOP BEAM MID OOPSTRING125mmH0SP3TOP BEAM N OOP ROTSTRING125mmH0SP4S BOT BRACE DIAG/OOPSTRING250mmH0SP5S BOT BRACE DIAG/OOPSTRING250mmH0SP6S TOP BRACE DIAG/OOPSTRING250mmH0SP7S TOP BRACE DIAG/OOPSTRING250mmH0SP8S TOP BRACE QUARTER PTSTRING250mmH0SP9S TOP GP OOP BOT EDGESTRING125mmH0SP10S TOP GP OOP SEDGESTRING125mmH0SP11S TOP GP OOP CENTERSTRING125mmH0SP12MID TOP GP OOPSTRING250mmH0SP13S BOT BEAM DRIFT E SIDESTRING250mmH0SP14S BOT BRACE DIAG/OOPSTRING250mmH0SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE DIAG/OOPSTRING250mmH0SP21N TOP BRACE DIAG/OOPSTRING250mmH0SP22N TOP GP OOP CENTERSTRING125mmH0SP23N TOP GP OOP CENTERSTRING125mmH0SP24N BOT BEAM DRIFT WPSTRING250mmH0SP23N TOP GP OOP CENTERSTRING250mmH0SP24N BOT BEAM DRIFT W SIDESTRING250mmH0SP25N BOT BEAM DRIFT W SIDES	REEDOM
SP2TOP BEAM MID OOPSTRING125mmHdSP3TOP BEAM N OOP ROTSTRING125mmHdSP4S BOT BRACE DIAG/OOPSTRING250mmHdSP5S DT BRACE DIAG/OOPSTRING250mmHdSP6S TOP BRACE DIAG/OOPSTRING250mmHdSP7S TOP BRACE DIAG/OOPSTRING250mmHdSP8S TOP BRACE QUARTER PTSTRING250mmHdSP9S TOP GP OOP BOT EDGESTRING125mmHdSP10S TOP GP OOP SEDGESTRING125mmHdSP11S TOP GP OOP SEDGESTRING125mmHdSP12MID TOP GP OOPSTRING125mmHdSP13S BOT BEAM DRIFT E SIDESTRING250mmHdSP14S BOT BRACE DIAG/OOPSTRING250mmHdSP15N BOT BRACE DIAG/OOPSTRING250mmHdSP18N TOP BRACE DIAG/OOPSTRING250mmHdSP20N TOP BRACE DIAG/OOPSTRING250mmHdSP21N TOP BRACE DIAG/OOPSTRING125mmHdSP22N TOP GP OOP NEDGESTRING125mmHdSP23N TOP GP OOP NEDGESTRING125mmHdSP24N BOT BEAM DRIFT WSTRING250mmHdSP23N TOP GP OOP CENTERSTRING250mmHdSP24N BOT BEAM DRIFT WSTRING250mmHdSP25N BOT BEAM DRIFT WSTRING2	HORIZ
SP3TOP BEAM N OOP ROTSTRING125mmH0SP4S BOT BRACE DIAG/OOPSTRING250mmH0SP5S BOT BRACE DIAG/OOPSTRING250mmH0SP6S TOP BRACE DIAG/OOPSTRING250mmH0SP7S TOP BRACE DIAG/OOPSTRING250mmH0SP8S TOP BRACE DIAG/OOPSTRING250mmH0SP8S TOP BRACE QUARTER PTSTRING125mmH0SP9S TOP GP OOP BOT EDGESTRING125mmH0SP10S TOP GP OOP SEDGESTRING125mmH0SP11S TOP GP OOP CENTERSTRING125mmH0SP13S BOT BEAM DRIFT E SIDESTRING250mmSSP14S BOT BRACE DIAG/OOPSTRING250mmH0SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP17N TOP BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE DIAG/OOPSTRING125mmH0SP21N TOP GP OOP NEDGESTRING125mmH0SP22N TOP GP OOPEDGESTRING125mmH0SP24N BOT BEAM DRIFT WSTRING250mmH0SP24N BOT BEAM DRIFT WSTRING250mmH0SP25N BOT BEAM DRIFT WSTRING250mmH0SP26N BOT BEAM DRIFT W <td< td=""><td>HORIZ</td></td<>	HORIZ
SP4S BOT BRACE DIAG/OOPSTRING250mmH0SP5S BOT BRACE DIAG/OOPSTRING250mmH0SP6S TOP BRACE DIAG/OOPSTRING250mmH0SP7S TOP BRACE QUARTER PTSTRING250mmH0SP8S TOP GP OOP BOT EDGESTRING125mmH0SP10S TOP GP OOP BOT EDGESTRING125mmH0SP11S TOP GP OOP CENTERSTRING125mmH0SP13S BOT BEAM DRIFT E SIDESTRING250mmH0SP14S BOT BEAM DRIFT W SIDESTRING250mmH0SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP17N TOP BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP19N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE DIAG/OOPSTRING250mmH0SP21N TOP GP OOP NEDGESTRING125mmH0SP22N TOP GP OOP NEDGESTRING125mmH0SP24N BOT BEAM DRIFT WSTRING250mmS0SP24N BOT BEAM DRIFT WSTRING250mmH0SP24N BOT BEAM DRIFT WSTRING250mmH0SP26N BOT BEAM DRIFT WSTRING250mmH0D3S BASE PL SLIPDIAL25mmD1D4S ANCHOR PL SLIPDIAL <t< td=""><td>HORIZ</td></t<>	HORIZ
SP5SBOTBRACEDIAG/OOPSTRING250mmHiSP6STOPBRACEDIAG/OOPSTRING250mmHiSP7STOPBRACEQUARTERPTSTRING250mmHiSP8STOPBRACEQUARTERPTSTRING250mmHiSP9STOPGPOOPBOTEDGESTRING125mmHiSP10STOPGPOOPSEDGESTRING125mmHiSP11STOPGPOOPSTRING125mmHiSP12MIDTOPGPOOPSTRING250mmHiSP13SBOTBEAMDRIFTSIDESTRING250mmHiSP14SBOTBRACEDIAG/OOPSTRING250mmHiSP15NBOTBRACEDIAG/OOPSTRING250mmHiSP16NTOPBRACEDIAG/OOPSTRING250mmHiSP18NTOPBRACEDIAG/OOPSTRING250mmHiSP20NTOPBRACEDIAG/OOPSTRING250mmHiSP21NTOPBRACEDIAG/OOPSTRING125mmHiSP22NTOPGPOOPCENTERSTRING125mmHiSP23NTOPGPOOPCENTERSTRING250mmHiSP24NBOT </td <td>HORIZ</td>	HORIZ
SP6STOPBRACEDIAG/OOPSTRING250mmHiSP7STOPBRACEDIAG/OOPSTRING250mmHiSP8STOPGPOOPBOTEDGESTRING125mmHiSP10STOPGPOOPSEDGESTRING125mmHiSP11STOPGPOOPSEDGESTRING125mmHiSP12MIDTOPGPOOPSSTRING125mmHiSP13SBOTBEAMDRIFTE SIDESTRING250mmHiSP14SBOTBEAMDRIFTWIDESTRING250mmHiSP13NBOTBRACEDIAG/OOPSTRING250mmHiSP14NBOTBRACEDIAG/OOPSTRING250mmHiSP14NBOTBRACEDIAG/OOPSTRING250mmHiSP14NBOTBRACEDIAG/OOPSTRING250mmHiSP15NBOTBRACEDIAG/OOPSTRING250mmHiSP16NNTOPBRACEDIAG/OOPSTRING250mmHiSP18NTOPBRACEDIAG/OOPSTRING250mmHiSP20NTOPBRACEDIAG/OOPSTRING125mmHiSP21NTOPGPOOPCENTERSTRING125mmHi <td>HORIZ</td>	HORIZ
SP7STOPBRACEDIAG/OOPSTRING250mmHitSP8STOPBRACEQUARTERPTSTRING250mmHitSP9STOPGPOOPBOTEDGESTRING125mmHitSP10STOPGPOOPSEDGESTRING125mmHitSP11STOPGPOOPCENTERSTRING125mmHitSP11STOPGPOOPSTRING125mmHitSP11STOPGPOOPSTRING250mmHitSP13SBOTBEAMDRIFTSIDESTRING250mmHitSP14SBOTBRACEDIAG/OOPSTRING250mmHitSP15NBOTBRACEDIAG/OOPSTRING250mmHitSP16NBOTBRACEDIAG/OOPSTRING250mmHitSP18NTOPBRACEDIAG/OOPSTRING250mmHitSP20NTOPBRACEDIAG/OOPSTRING250mmHitSP21NTOPGPOOPNEDGESTRING125mmHitSP22NTOPGPOOPNEDGESTRING125mmHitSP23NTOPGPOOPCENTERSTRING250mmSTRING250mmSP24NBOTBEAMDRIFTSIDESTRING250mmSTRI	HORIZ
SP8S TOP BRACE QUARTER PTSTRING250mmH0SP9S TOP GP OOP BOT EDGESTRING125mmH0SP10S TOP GP OOP S EDGESTRING125mmH0SP11S TOP GP OOP CENTERSTRING125mmH0SP12MID TOP GP OOPSTRING125mmH0SP13S BOT BEAM DRIFT E SIDESTRING250mmH0SP14S BOT BEAM DRIFT W SIDESTRING250mmH0SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP19N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE DIAG/OOPSTRING250mmH0SP21N TOP BRACE QUARTER PTSTRING250mmH0SP22N TOP GP OOP N EDGESTRING125mmH0SP23N TOP GP OOP N EDGESTRING125mmH0SP24N BOT BEAM DRIFT W SIDESTRING250mmH0SP25N BOT BEAM DRIFT W SIDESTRING250mmH0SP26N BOT BEAM DRIFT W SIDESTRING250mmH0SANCHOR PL SLIPDIAL25mmH025mmD4S ANCHOR PL SLIPDIAL25mmH0D5N ANCHOR PL SLIP<	HORIZ
SP9S TOP GP OOP BOT EDGESTRING125mmH0SP10S TOP GP OOP S EDGESTRING125mmH0SP11S TOP GP OOP CENTERSTRING125mmH0SP12MID TOP GP OOPSTRING125mmH0SP13S BOT BEAM DRIFT E SIDESTRING250mmSP14S BOT BEAM DRIFT W SIDESTRING250mmSP15N BOT BRACE DIAG/OOPSTRING250mmSP16N BOT BRACE DIAG/OOPSTRING250mmSP18N TOP BRACE DIAG/OOPSTRING250mmSP19N TOP BRACE DIAG/OOPSTRING250mmSP20N TOP BRACE DIAG/OOPSTRING250mmSP21N TOP BRACE QUARTER PTSTRING250mmSP23N TOP GP OOP BOT EDGESTRING125mmSP24N BOT BEAM DRIFT WSIDESTRING250mmSP26N BASE PL SLIPDIAL25mm1000000000000000000000000000000000000	HORIZ
SP10S TOP GP OOP S EDGESTRING125mmH0SP11S TOP GP OOP CENTERSTRING125mmH0SP12MID TOP GP OOPSTRING125mmH0SP13S BOT BEAM DRIFT E SIDESTRING250mmH0SP14S BOT BEAM DRIFT W SIDESTRING250mmH0SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP19N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE DIAG/OOPSTRING250mmH0SP21N TOP BRACE QUARTER PTSTRING250mmH0SP22N TOP GP OOP BOT EDGESTRING125mmH0SP23N TOP GP OOP NEDGESTRING125mmH0SP24N BOT BEAM DRIFT WSIDESTRING250mmSP26N BOT BEAM DRIFT W SIDESTRING250mm1000000000000000000000000000000000000	HORIZ
SP11S TOP GP OOP CENTERSTRING125mmHdSP12MID TOP GP OOPSTRING125mmHdSP13S BOT BEAM DRIFT E SIDESTRING250mmSSP14S BOT BEAM DRIFT W SIDESTRING250mmHdSP15N BOT BRACE DIAG/OOPSTRING250mmHdSP16N BOT BRACE DIAG/OOPSTRING250mmHdSP18N TOP BRACE DIAG/OOPSTRING250mmHdSP19N TOP BRACE DIAG/OOPSTRING250mmHdSP20N TOP BRACE DIAG/OOPSTRING250mmHdSP21N TOP BRACE QUARTER PTSTRING250mmHdSP22N TOP GP OOP BOT EDGESTRING125mmHdSP23N TOP GP OOP NEDGESTRING125mmHdSP24N BOT BEAM DRIFT WPSTRING250mmHdSP25N BOT BEAM DRIFT W SIDESTRING250mmHdSP26N BOT BEAM DRIFT W SIDESTRING250mmHdD1S ANCHOR PL SLIPDIAL25mmHdD2S ANCHOR PL SLIPDIAL25mmHdD3S BASE PL SLIPDIAL25mmHdD4S BASE PL SLIPDIAL25mmHdD5N ANCHOR PL SLIPDIAL25mmHdD6N ANCHOR PL SLIPDIAL25mmHdD7N BASE PL SLIPDIAL25mmHd	
SP12MIDTOPGPSTRING125mmH0SP13SBOTBEAMDRIFTSIDESTRING250mmSTRING250mmSP14SBOTBRACEDIAG/OOPSTRING250mmH0SP15NBOTBRACEDIAG/OOPSTRING250mmH0SP16NBOTBRACEDIAG/OOPSTRING250mmH0SP18NTOPBRACEDIAG/OOPSTRING250mmH0SP19NTOPBRACEDIAG/OOPSTRING250mmH0SP20NTOPBRACEQUARTERPTSTRING250mmH0SP21NTOPGPOOPBOTEDGESTRING125mmH0SP22NTOPGPOOPNEDGESTRING125mmH0SP23NTOPGPOOPCENTERSTRING125mmH0SP24NBOTBEAMDRIFTSIDESTRING250mmSP25NBOTBEAMDRIFTSTRING250mm77Image: Second PLSIPDIAL25mm7777D4SBASEPLUPLIFTDIAL25mmD5NANCHOR PLSLIPDIAL25mm75D6NANCHOR PLUPLIFTDIAL25mm75D5NANCHOR PLSLIPDIAL25mm75 <t< td=""><td>HORIZ</td></t<>	HORIZ
SP13S BOT BEAM DRIFT E SIDESTRING250mmSP14S BOT BEAM DRIFT W SIDESTRING250mmH0SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP19N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE DIAG/OOPSTRING250mmH0SP21N TOP BRACE QUARTER PTSTRING250mmH0SP22N TOP GP OOP BOT EDGESTRING125mmH0SP23N TOP GP OOP N EDGESTRING125mmH0SP24N BOT BEAM DRIFT WPSTRING250mmH0SP25N BOT BEAM DRIFT E SIDESTRING250mmH0SP26N BOT BEAM DRIFT W SIDESTRING250mmH0MININIANINANINANINANINANINANINANINANINAN	HORIZ
SP14S BOT BEAM DRIFT W SIDESTRING250mmSP15N BOT BRACE DIAG/OOPSTRING250mmH0SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP19N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE QUARTER PTSTRING250mmH0SP21N TOP GP OOP BOT EDGESTRING125mmH0SP22N TOP GP OOP N EDGESTRING125mmH0SP23N TOP GP OOP CENTERSTRING125mmH0SP24N BOT BEAM DRIFT WPSTRING250mmH0SP25N BOT BEAM DRIFT & SIDESTRING250mmH0SP26N BOT BEAM DRIFT WPSTRING250mmH0MUMMINIANTMUMMINIA	HORIZ
SP15N BOT BRACE DIAG/OOPSTRING250mmH0SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP19N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE QUARTER PTSTRING250mmH0SP21N TOP GP OOP BOT EDGESTRING125mmH0SP22N TOP GP OOP N EDGESTRING125mmH0SP23N TOP GP OOP CENTERSTRING125mmH0SP24N BOT BEAM DRIFT WPSTRING250mmH0SP25N BOT BEAM DRIFT E SIDESTRING250mmH0SP26N BOT BEAM DRIFT WPSTRING250mmH0MUMINIANIMUMINIANIMUMINIANIMUMINIANIMUMINIANIMUMINIANIMUMINIANIMUMINIANIMUMINIANIMUMINIANIMUMINIANIDIALS20mmTYPERANGE + / - FRED1S ANCHOR PL SLIPDIAL25mmMD3S BASE PL SLIPDIAL25mmMD4S BASE PL SLIPDIAL25mmMD5N ANCHOR PL SLIPDIAL25mmMD6N ANCHOR PL SLIPDIAL25mmMD7N BASE PL SLIPDIAL25mmM	
SP16N BOT BRACE DIAG/OOPSTRING250mmH0SP18N TOP BRACE DIAG/OOPSTRING250mmH0SP19N TOP BRACE DIAG/OOPSTRING250mmH0SP20N TOP BRACE QUARTER PTSTRING250mmH0SP21N TOP GP OOP BOT EDGESTRING125mmH0SP22N TOP GP OOP N EDGESTRING125mmH0SP23N TOP GP OOP CENTERSTRING125mmH0SP24N BOT BEAM DRIFT WPSTRING250mmSSP25N BOT BEAM DRIFT E SIDESTRING250mmM0SP26N BOT BEAM DRIFT W SIDESTRING250mmM0MININGMININGMININGM1M1MININGMININGMININGM1M1MININGMININGMININGM1M1MININGMININGMININGM1M1MININGMININGMININGM1M1MININGMININGMININGM1M1MININGMININGMININGM1M1MININGMININGM1M1M1MININGMININGM1M1M1MININGMININGM1M1M1MININGMININGM1M1M1MININGMININGM1M1M1MININGMININGM1M1M1MININGMININGM1M1M1MININGMININGM1M1M1MINING<	
Image: space of the systemImage: space of the systemImage: space of the systemSP18N TOP BRACE DIAG/OOPSTRING250mmHdSP19N TOP BRACE DIAG/OOPSTRING250mmHdSP20N TOP BRACE QUARTER PTSTRING250mmHdSP21N TOP GP OOP BOT EDGESTRING125mmHdSP22N TOP GP OOP N EDGESTRING125mmHdSP23N TOP GP OOP CENTERSTRING125mmHdSP24N BOT BEAM DRIFT WPSTRING250mmSSP25N BOT BEAM DRIFT E SIDESTRING250mmSSP26N BOT BEAM DRIFT W SIDESTRING250mmMDMDESCRIPTIONTYPERANGE +/-FRED1S ANCHOR PL SLIPDIAL25mmMDD2S ANCHOR PL SLIPDIAL25mmMDD3S BASE PL SLIPDIAL25mmMDD4S BASE PL UPLIFTDIAL25mmMDD5N ANCHOR PL SLIPDIAL25mmMDD6N ANCHOR PL UPLIFTDIAL25mmMDD7N BASE PL SLIPDIAL25mmMD	HORIZ
SP19NTOPBRACEDIAG/OOPSTRING250mmHitSP20NTOPBRACEQUARTERPTSTRING250mmHitSP21NTOPGPOOPBOTEDGESTRING125mmHitSP22NTOPGPOOPNEDGESTRING125mmHitSP23NTOPGPOOPCENTERSTRING125mmHitSP24NBOTBEAMDRIFTWPSTRING250mmSP25NBOTBEAMDRIFTSIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmD1SANCHORPLUPLIFTDIAL25mm25mmD5NANCHORPLUPLIFTDIAL25mm25mmD6NANCHORP	HORIZ
SP19NTOPBRACEDIAG/OOPSTRING250mmHitSP20NTOPBRACEQUARTERPTSTRING250mmHitSP21NTOPGPOOPBOTEDGESTRING125mmHitSP22NTOPGPOOPNEDGESTRING125mmHitSP23NTOPGPOOPCENTERSTRING125mmHitSP24NBOTBEAMDRIFTWPSTRING250mmSP25NBOTBEAMDRIFTSIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTDIAL25mm250mmD1SANCHOR PLSLIPDIAL25mm250mmD5NANCHOR PLSLIP </td <td></td>	
SP19NTOPBRACEDIAG/OOPSTRING250mmHiSP20NTOPBRACEQUARTERPTSTRING250mmHiSP21NTOPGPOOPBOTEDGESTRING125mmHiSP22NTOPGPOOPNEDGESTRING125mmHiSP23NTOPGPOOPCENTERSTRING125mmHiSP24NBOTBEAMDRIFTWPSTRING250mmSP25NBOTBEAMDRIFTSIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTDIAL25mm1000SP26NANCHOR PLSLIPDIAL25mm1000D4SBASEPLUPLIF	HORIZ
SP20NTOPBRACEQUARTERPTSTRING250mmH0SP21NTOPGPOOPBOTEDGESTRING125mmH0SP22NTOPGPOOPNEDGESTRING125mmH0SP23NTOPGPOOPCENTERSTRING125mmH0SP24NBOTBEAMDRIFTWPSTRING250mmSP25NBOTBEAMDRIFTSIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmSP26NBOTBEAMDRIFTDIAL25mm25mmD2SANCHOR PLSLIPDIAL25mm25mmD3SBASEPLUPLIFTDIAL25mm25mmD4SBASEPLUPLIFTDIAL25mm25mmD5NANCHOR PLSLIPDIAL2	HORIZ
SP21NTOPGPOOPBOTEDGESTRING125mmHuSP22NTOPGPOOPNEDGESTRING125mmHuSP23NTOPGPOOPCENTERSTRING125mmHuSP24NBOTBEAMDRIFTWPSTRING250mmSP25NBOTBEAMDRIFTSIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmDDESCRIPTIONTYPERANGE + / - FRED1SANCHOR PLSLIPDIAL25mmD2SANCHOR PLUPLIFTDIAL25mmD3SBASEPLUPLIFTDIAL25mmD4SBASEPLUPLIFTDIAL25mmD5NANCHOR PLSLIPDIAL25mmD6NANCHOR PLUPLIFTDIAL25mmD7NBASEPLSLIPDIAL25mm	HORIZ
SP22NTOPGPOOPNEDGESTRING125mmHuSP23NTOPGPOOPCENTERSTRING125mmHuSP24NBOTBEAMDRIFTWPSTRING250mmSP25SP25NBOTBEAMDRIFTSIDESTRING250mmSP26SP26NBOTBEAMDRIFTWSIDESTRING250mmODESCRIPTIONTYPERANGE-FRED1SANCHOR PLSLIPDIAL25mmD2SANCHOR PLUPLIFTDIAL25mmD3SBASEPLSLIPDIAL25mmD4SBASEPLUPLIFTDIAL25mmD5NANCHOR PLSLIPDIAL25mm0D6NANCHOR PLUPLIFTDIAL25mm0D7NBASEPLSLIPDIAL25mm0	HORIZ
SP23NTOPGPOOPCENTERSTRING125mmHuSP24NBOTBEAMDRIFTWPSTRING250mm1000000000000000000000000000000000000	HORIZ
SP24NBOTBEAMDRIFTWPSTRING250mmSP25NBOTBEAMDRIFTSIDESTRING250mmSP26NBOTBEAMDRIFTW SIDESTRING250mmODESCRIPTIONTYPERANGE + / -FRED1SANCHOR PLSLIPDIAL25mmD2SANCHOR PLUPLIFTDIAL25mmD3SBASEPLSLIPDIAL25mmD4SBASEPLUPLIFTDIAL25mmD5NANCHOR PLSLIPDIAL25mmD6NANCHOR PLUPLIFTDIAL25mmD7NBASEPLSLIPDIAL25mm	HORIZ
SP25N BOT BEAM DRIFT E SIDESTRING250mmSP26N BOT BEAM DRIFT W SIDESTRING250mmOUTDESCRIPTIONTYPERANGE +/-FRED1S ANCHOR PL SLIPDIAL25mmD2S ANCHOR PL UPLIFTDIAL25mmD3S BASE PL SLIPDIAL25mmD4S BASE PL UPLIFTDIAL25mmD5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mm	
SP26N BOT BEAM DRIFT W SIDESTRING250mm•DESCRIPTIONTYPERANGE +/-FRED1S ANCHOR PL SLIPDIAL25mmD2S ANCHOR PL UPLIFTDIAL25mmD3S BASE PL SLIPDIAL25mmD4S BASE PL UPLIFTDIAL25mmD5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mm	
DESCRIPTION TYPE RANGE +/- FRE 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	
DESCRIPTIONTYPERANGE +/-FRED1S ANCHOR PL SLIPDIAL25mmD2S ANCHOR PL UPLIFTDIAL25mmD3S BASE PL SLIPDIAL25mmD4S BASE PL UPLIFTDIAL25mmD5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mm	
D1SANCHORPLSLIPDIAL25mmD2SANCHORPLUPLIFTDIAL25mmD3SBASEPLSLIPDIAL25mmD4SBASEPLUPLIFTDIAL25mmD5NANCHORPLSLIPDIAL25mmD6NANCHORPLUPLIFTDIAL25mmD7NBASEPLSLIPDIAL25mm	REEDOM
D2SANCHORPLUPLIFTDIAL25mmD3SBASEPLSLIPDIAL25mmD4SBASEPLUPLIFTDIAL25mmD5NANCHORPLSLIPDIAL25mmD6NANCHORPLUPLIFTDIAL25mmD7NBASEPLSLIPDIAL25mm	
D3SBASEPLSLIPDIAL25mmD4SBASEPLUPLIFTDIAL25mmD5NANCHORPLSLIPDIAL25mmD6NANCHORPLUPLIFTDIAL25mmD7NBASEPLSLIPDIAL25mm	
D4SBASEPLUPLIFTDIAL25mmD5NANCHORPLSLIPDIAL25mmD6NANCHORPLUPLIFTDIAL25mmD7NBASEPLSLIPDIAL25mm	
D5N ANCHOR PL SLIPDIAL25mmD6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mm	
D6N ANCHOR PL UPLIFTDIAL25mmD7N BASE PL SLIPDIAL25mm	
D7 N BASE PL SLIP DIAL 25mm	
D9 ACTUATOR BASE PL UPLIFT DIAL 25mm	
D10 ACTUATOR BASE PL SLIP DIAL 25mm	



ABBREVIATIONS N NORTH

SOUTH

EAST

WEST

BOTTOM

COLUMN BRACE

DIAGONAL

ROTATION

OUT OF PLANE

DISPLACEMENT

WORK POINT

PLATE

POINT

N S E

W

BOT MID

COL BR

ΡL

OOP DIAG

DISP

ROT

РΤ

WP

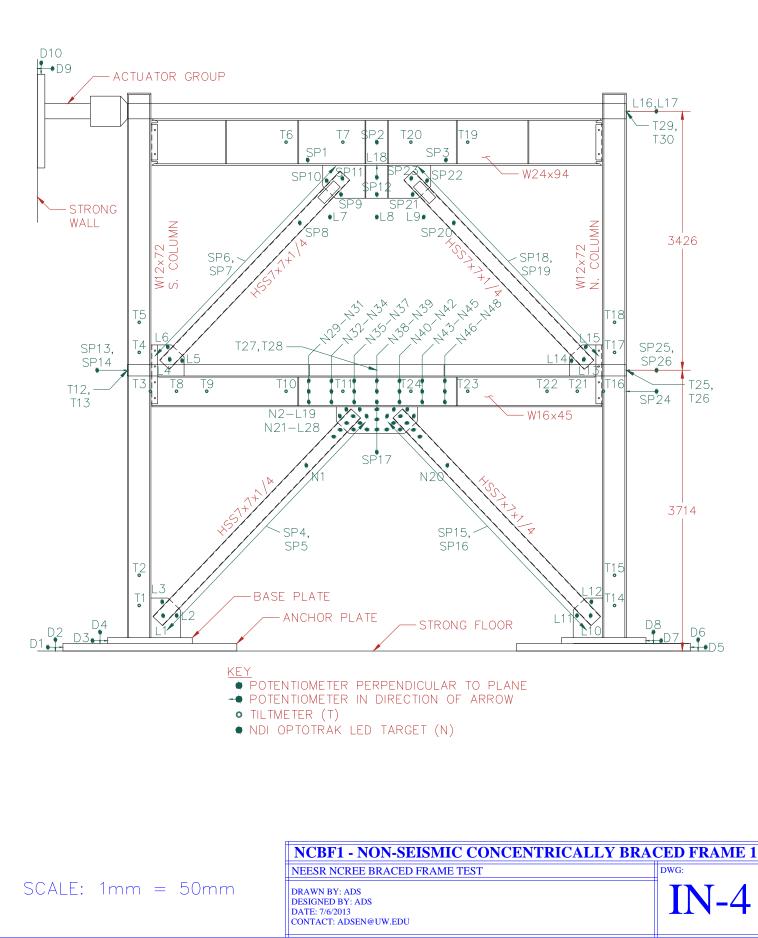
NCBF1 - NON-SEISMIC CONCENTRICALLY BRACED FRAME 1			
NEESR NCREE BRACED FRAME TEST	DWG:		

NEESR NCREE BRACED FRAME TEST

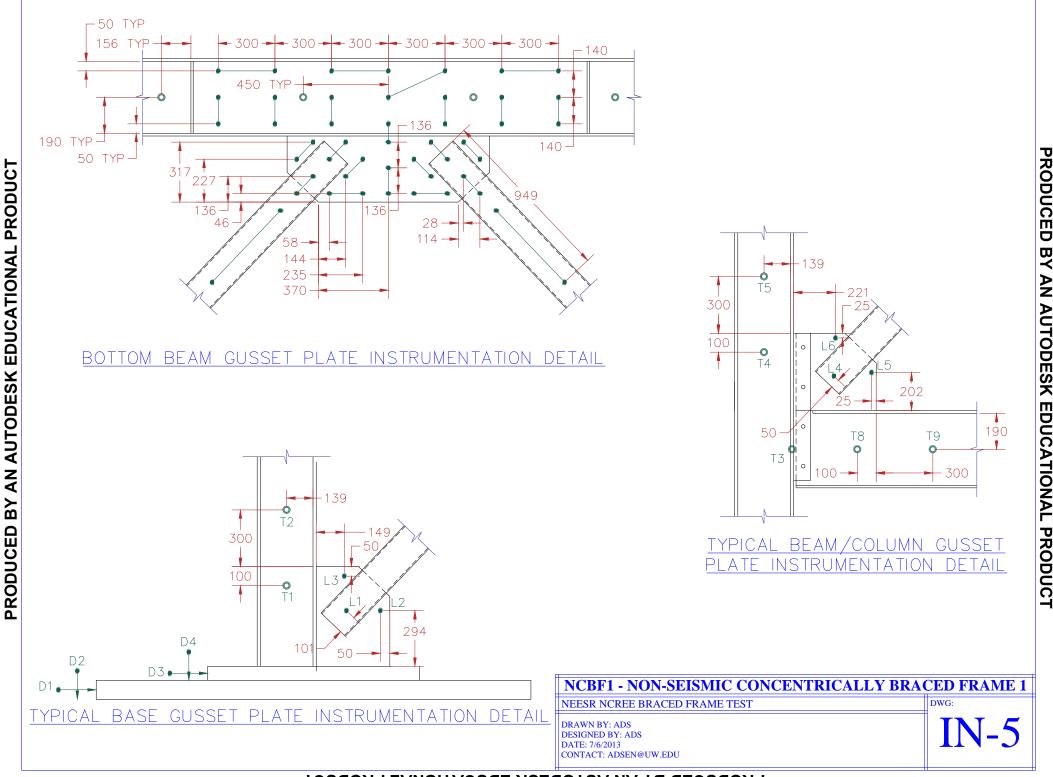
IN-3

ΡΑΟDUCED ΒΥ ΑΝ Αυτορεςκ ερυςατιοναι ρεορυστ

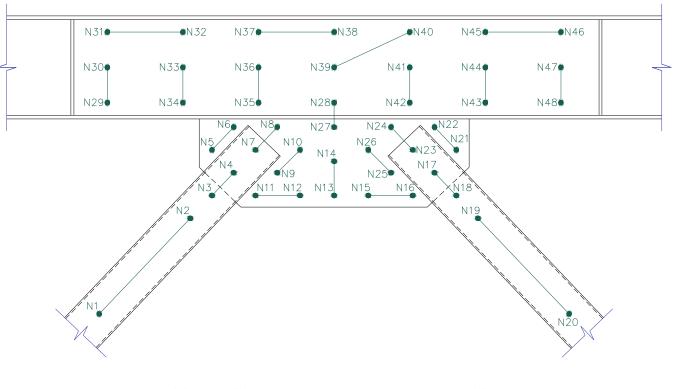
DRAWN BY: ADS DESIGNED BY: ADS DATE: 6/27/2013 CONTACT: ADSEN@UW.EDU



РВОРИСЕР ВҮ АМ АИТОРЕЗК ЕРИСАТІОИАГ РЯОРИСТ



ΡΩΟΟΟΕΕ ΒΥ ΑΝ Αυτορεσκ ερυσατιοναι ργορύςτ



BOTTOM BEAM GUSSET PLATE LED NUMBERING

NCBF1 - NON-SEISMIC CONCENTRICALLY BRACED FRAME 1

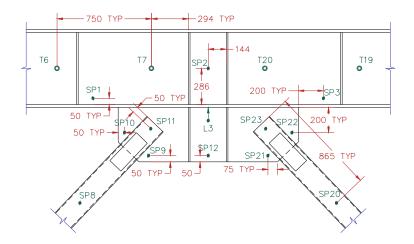
DWG:

IN-5

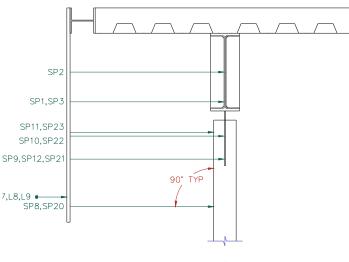
NEESR NCREE BRACED FRAME TEST

DRAWN BY: ADS DESIGNED BY: ADS DATE: 7/6/2013 CONTACT: ADSEN@UW.EDU

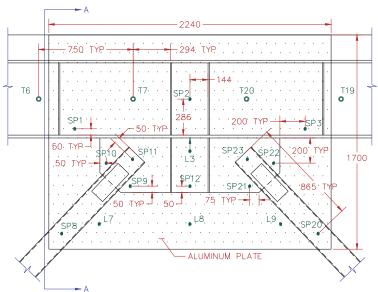
ТООООЯ ВУ АИ АUTODESK EDUCATIONAL PRODUCT



BEAM GUSSET PLATE TOP INSTRUMENTATION DETAIL

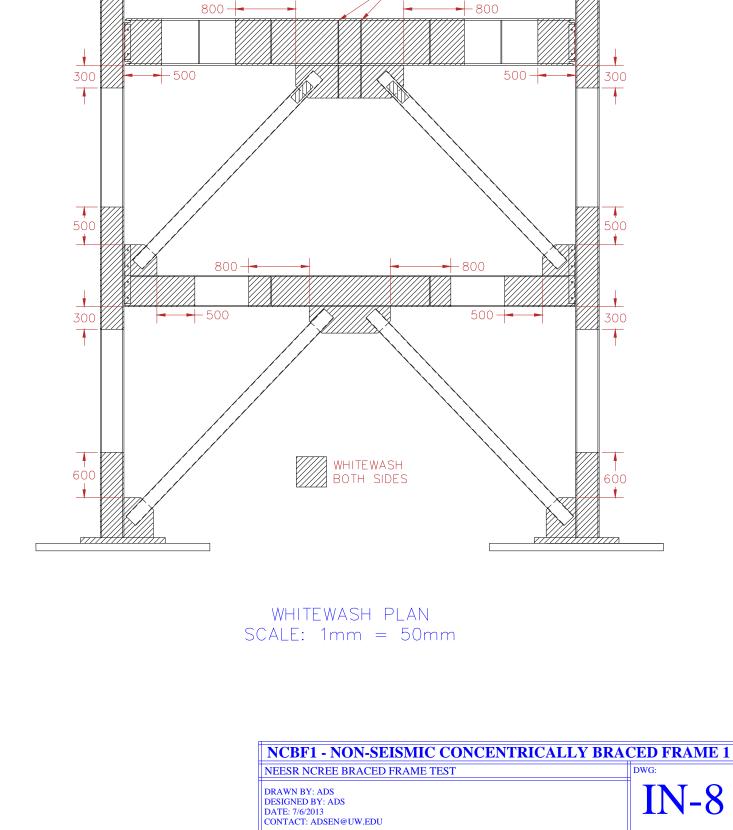






NCBF1 - NON-SEISMIC CONCENTRICALLY BRACED FRAME 1 NEESR NCREE BRACED FRAME TEST DWG: **IN-7** DRAWN BY: ADS

DESIGNED BY: ADS DATE: 7/6/2013 CONTACT: ADSEN@UW.EDU



WHITEWASH STIFFENERS

ΡΑΟDUCED ΒΥ ΑΝ Αυτορεςκ ερυςατιοναι ραουστ

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT