



POST	OFFSET FROM TANGENT
1	1220
2	850
3	550
4	380
5	240
6	140
7	35
8	0

NOTES:

1. THE 1220 FLARE AT THE BCT TERMINAL END IS ESSENTIAL TO PROPER BCT PERFORMANCE.
2. DIMENSIONS SHOWN FOR POST LAYOUT ARE TO THE BLOCKOUT EXCEPT FOR THE FIRST TWO POSTS WHERE NO BLOCKOUTS ARE USED.

1992

STEEL-POST BREAKAWAY CABLE TERMINAL

SEW04a-b

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INTENDED USE

The breakaway cable terminal (BCT) can be used to anchor and safely terminate any SGR04 guardrail. The BCT is one of the most widely used crash-tested guardrail terminals in the United States. If the foundation tube and soil plate are driven into the soil, proper care should be taken to insure that the soil plate fasteners are not broken during the driving process.

COMPONENTS

Unit Length = 11,430

Designator	Component	System	Number
FBB01	Guardrail splice bolts	a-b	32
FBB02	Guardrail bolt and nut	a-b	7
FBB03	Guardrail post bolt and nut	a-b	2
FBB04	Guardrail-post bolt and nut	a-b	1
FBC16a	Washers	a-b	8
FBX16a	Post-blockout bolts (40 mm) and nuts	a	14
FBX16a	Bracket bolt (40 mm) and nut	a-b	8
FBX16a	Hex head bolt (200 mm) and nut	a	4
FBX16a	Hex bolt (250 mm) and nut	a-b	2
FCA01	BCT cable anchor, nuts and washers	a-b	1
FMM02	BCT post sleeve	a-b	1
FPA01	Cable anchor bracket	a-b	1
FPB01	Cable anchor bearing plate	a-b	1
FWC16a	Circular washer	a	19
FWR03	Rectangular guardrail washer	a-b	3
PDF01	BCT timber post	a	2
PDF02	Long BCT timber post	b	2
PLS03	Soil plate	a	2
POF01	Concrete foundation	b	2
PTE05	Foundation tube	a	2
PWB01	Timber post blockout	a-b	7
PWE01	Timber posts	a-b	6
RWE02b	W-beam terminal connector	a-b	1
RWE05a	W-beam end section (buffer)	a-b	1
RWM02a	W-beam rail	a-b	2
RWM14a	W-beam terminal rail	a-b	1

STEEL-POST BREAKAWAY CABLE TERMINAL

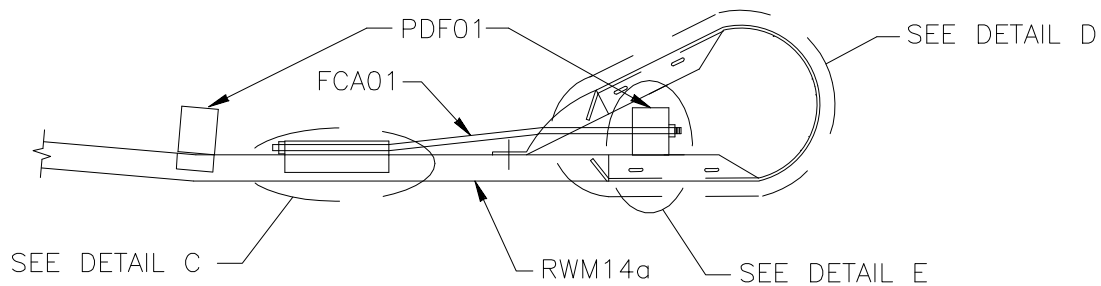
SEW04a-b

SHEET NO.

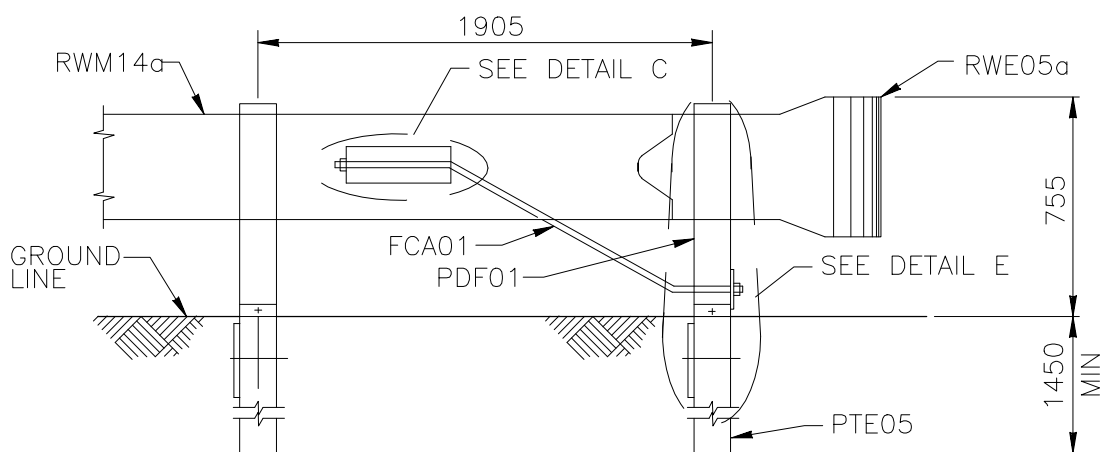
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PLAN



ELEVATION

DETAIL A: BUFFERED END & ANCHORAGE—SEW03a

STEEL-POST BREAKAWAY CABLE TERMINAL

SEW04a-b

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REFERENCES

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C. E. Kimball Jr., M. E. Bronstad, and L. C. Meczowski, *Evaluation of Guardrail Breakaway Terminals*, Report No. FHWA/RD-82/057, Federal Highway Administration, Washington, DC, May 1982.

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STEEL-POST BREAKAWAY CABLE TERMINAL

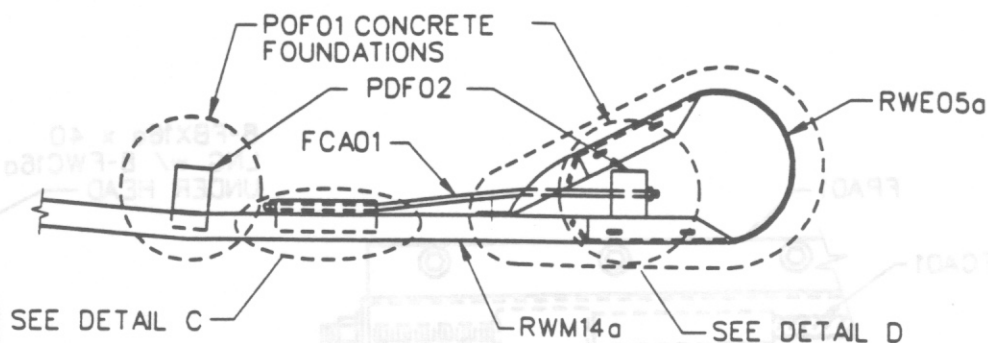
SEW04a-b

SHEET NO.

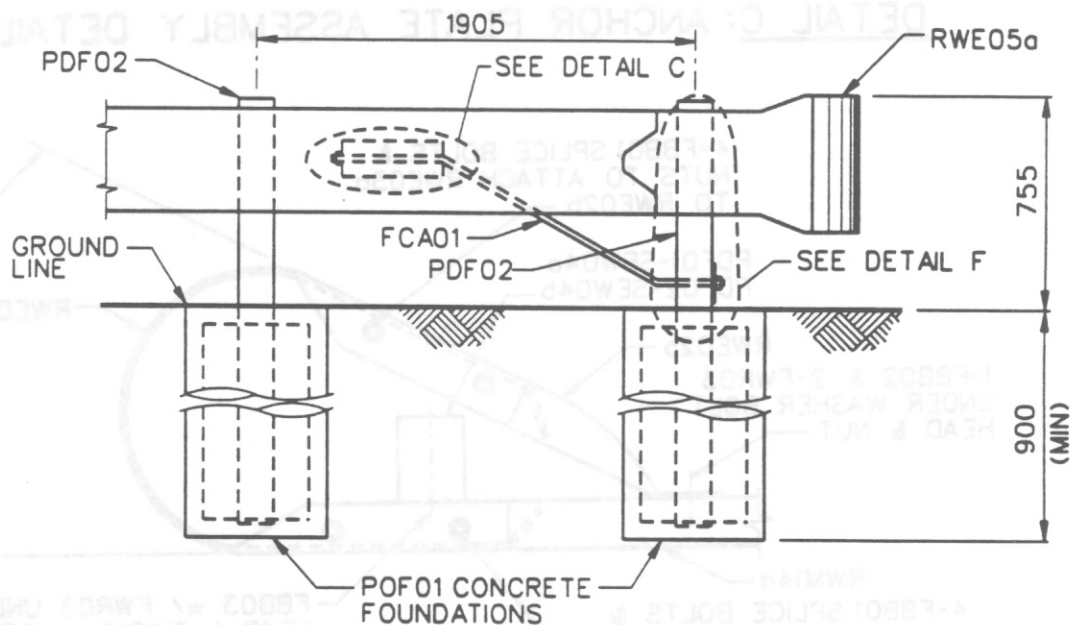
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PLAN



ELEVATION

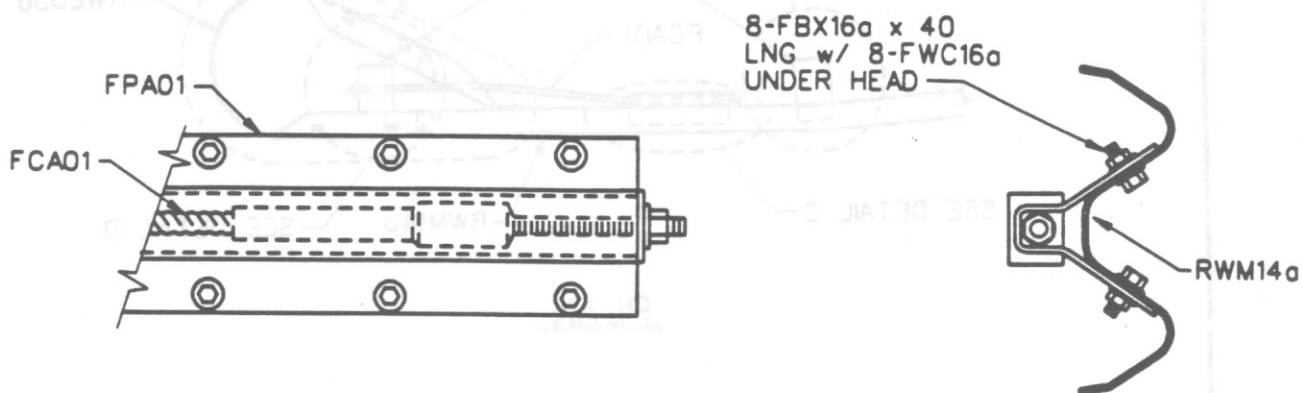
DETAIL B: BUFFERED END & ANCHORAGE-SEW04b

STEEL-POST BREAKAWAY CABLE TERMINAL

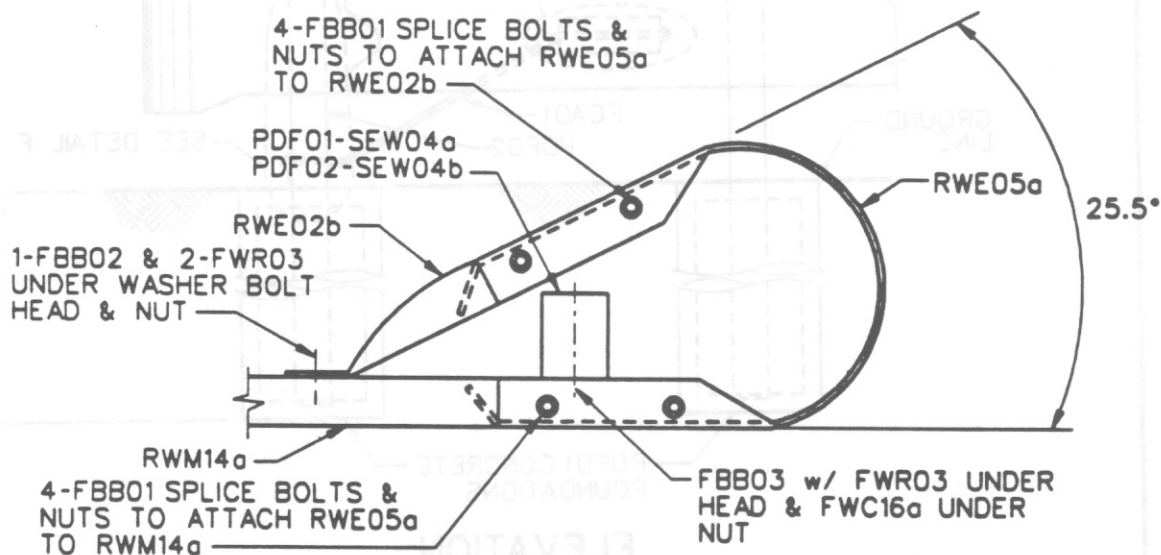


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DETAIL C: ANCHOR PLATE ASSEMBLY DETAILS



DETAIL D: END SECTION ASSEMBLY DETAILS

STEEL-POST BREAKAWAY CABLE TERMINAL

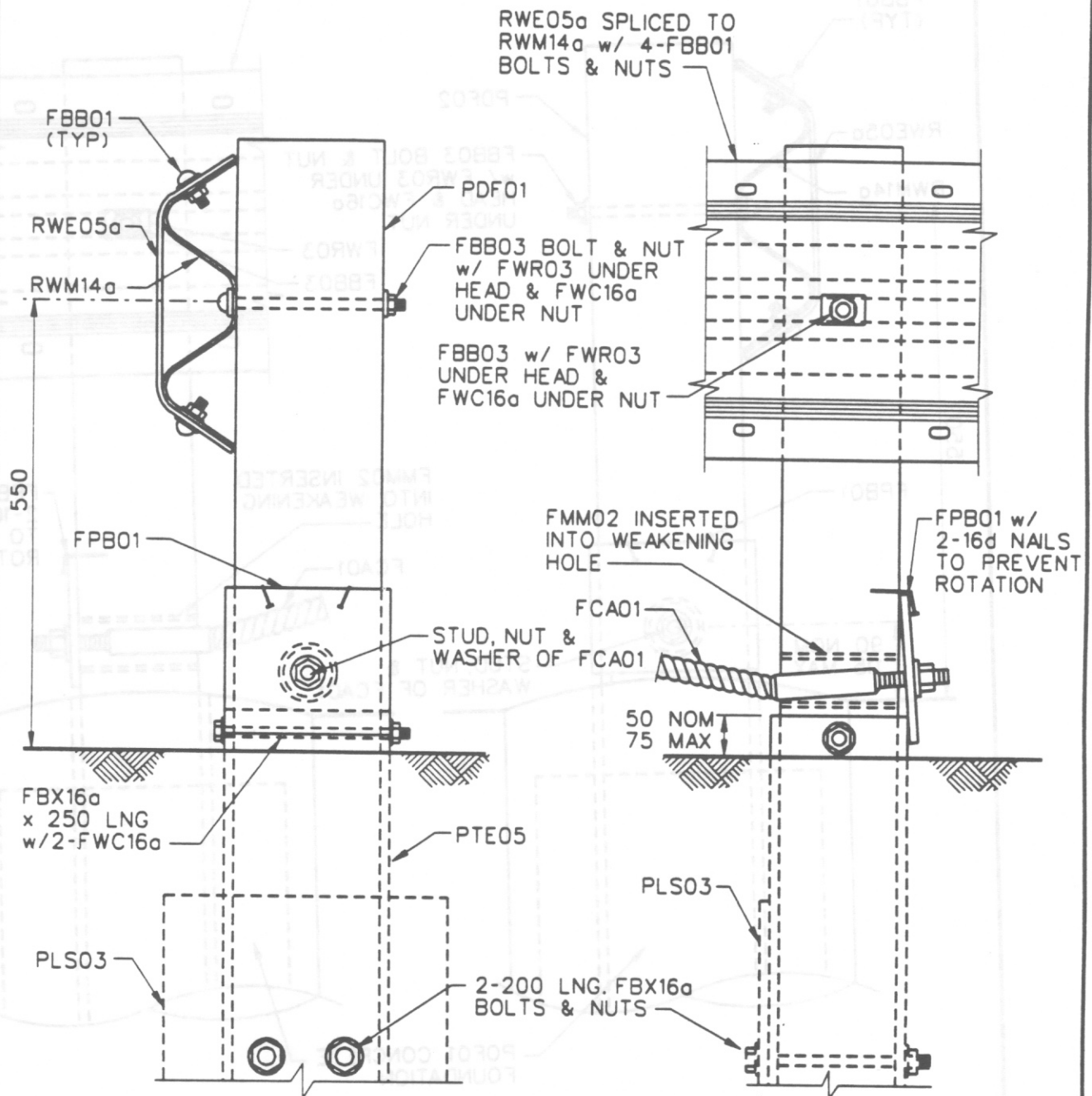
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DETAIL E: POST 1 ASSEMBLY-SEW04a

STEEL-POST BREAKAWAY CABLE TERMINAL

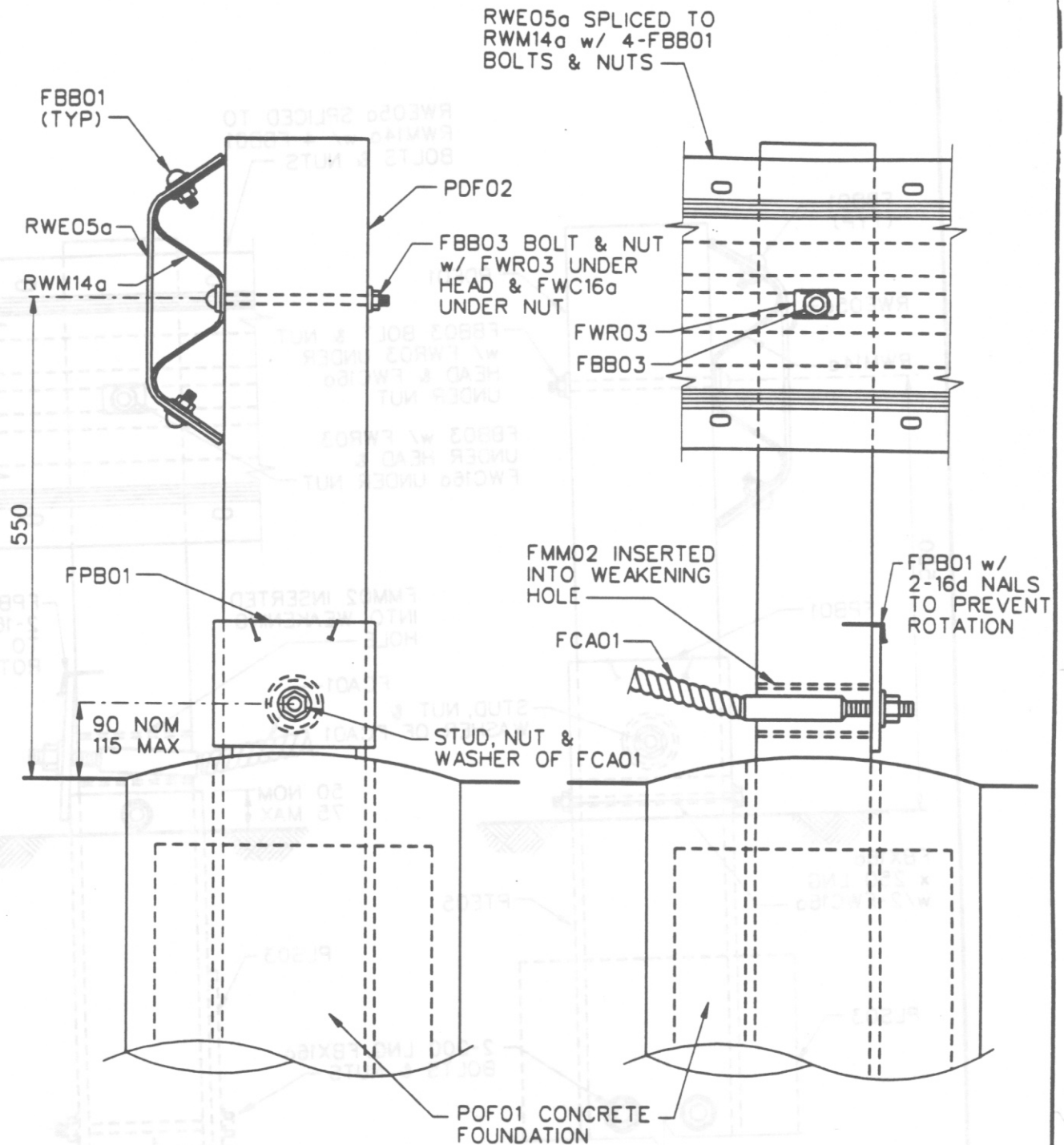


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DETAIL F: POST 1 ASSEMBLY-SEW04b

STEEL-POST BREAKAWAY CABLE TERMINAL

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