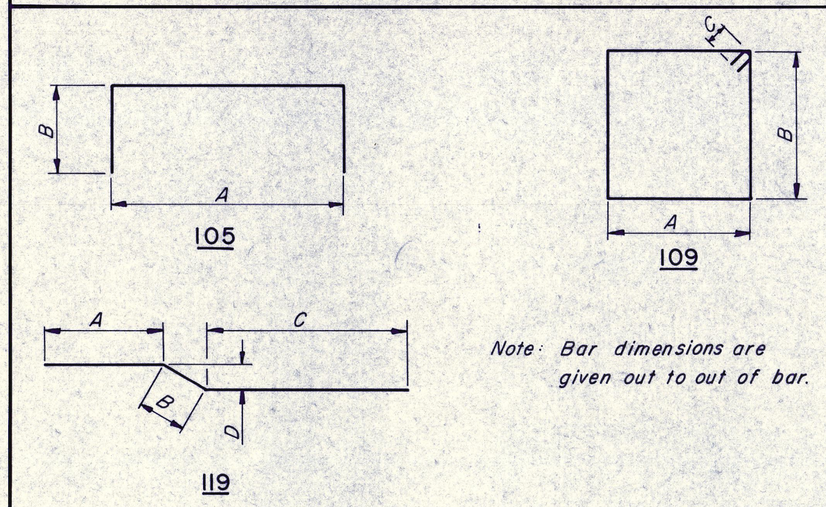
BAR BENDING DIAGRAMS



Note: Bar dimensions are given out to out of bar.

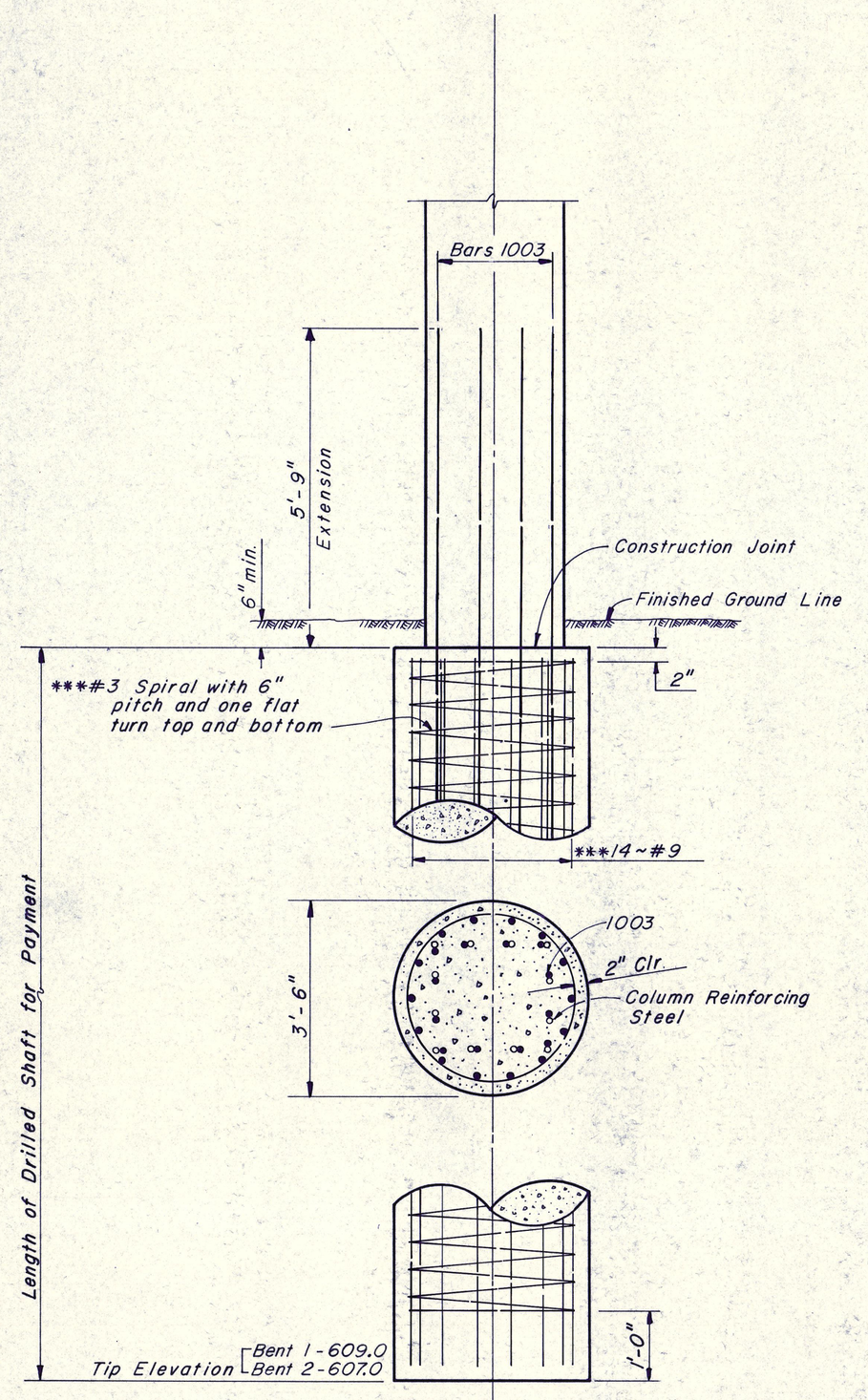
ESTIMATED QUANTITY SUMMARY (FOUR INTERIOR BENTS)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
416	Drilled Shaft (42"Ø)	L.F.	199
421	Class C Concrete (Bent)	C.Y.	156.9
440	Reinforcing Steel	Lb.	50,812

BILL OF REINFORCING STEEL (ONE INTERIOR BENT)

MARK	NO.	LENGTH	TYPE	DIMENSIONS A	B	C	D	WEIGHT
401	6	2'-7"	105	1'-9"	5"			11
402	51	9'-6"	109	2'-2"	2'-2"	5"		324
501	4	7'-0"	105	4'-6"	1'-3"			29
502	16	48'-8"	Str.					812
503*	98	6'-11"	105	4'-5"	1'-3"			707
601	98	13'-11"	109	1'-11"	4'-7½"	5"		1,422
602	98	4'-6"	Str					662
901*	12	48'-8"	Str					1,986
902*	98	4'-6"	Str					1,500
1001	24	23'-3"	119	6'-1"	1'-0"	16'-2"	3¼"	2,401
1002	12	20'-8"	Str.					1,067
1003	36	11'-6"	Str.					1,782
							Total	12,703

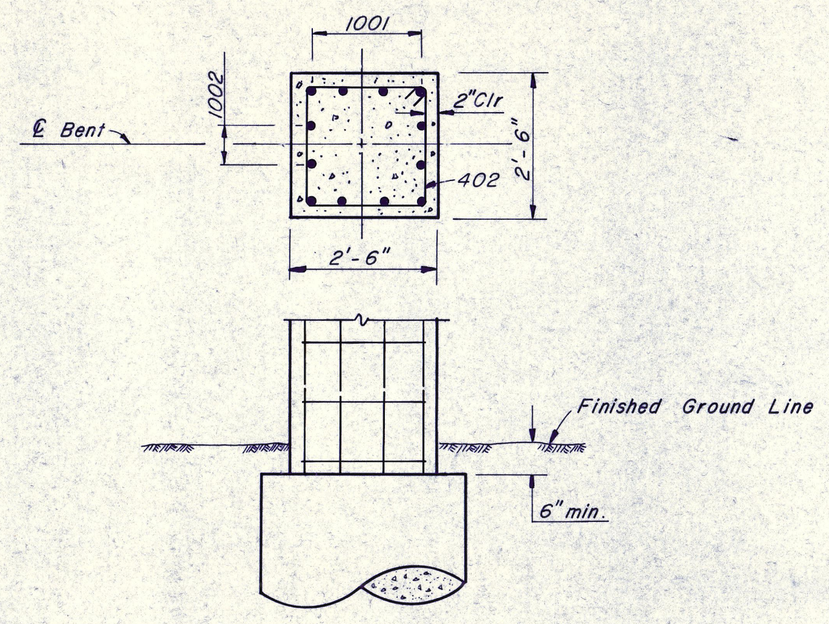
* ~ Indicates bars to be ASTM A-706 Grade 60



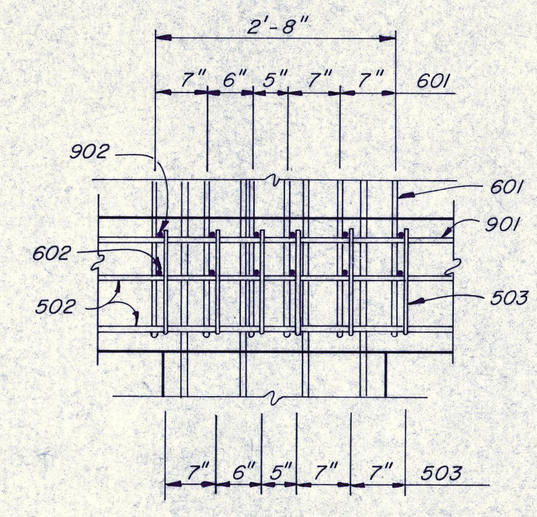
NOTES: The cost of reinforcing steel (***) is to be included in the price bid for drilled shafts.

Tip elevation is approximate and should be varied as required, to provide a 5'-0" minimum penetration into unweathered rock.

DRILLED SHAFT DETAIL
SCALE: 1/2"=1'-0"



COLUMN DETAIL
SCALE: 1/2"=1'-0"



DETAIL D
SCALE: ¾"=1'-0"

NO.	REVISION	BY	DATE

TEXAS TURNPIKE AUTHORITY

DALLAS NORTH TOLLWAY

WESTGROVE DRIVE OVERPASS

BENT DETAILS

Gibbs & Hill, Inc. ENGINEERS DESIGNERS CONSTRUCTORS DALLAS

SECTION VII

DRAWN VER DATE 8-10-83 | DESIGNED REF DATE 8-9-83

CHECKED REF DATE 8-11-83 | SCALE As Shown

CONTRACT NO. DNT-115 SHEET S15 OF S21