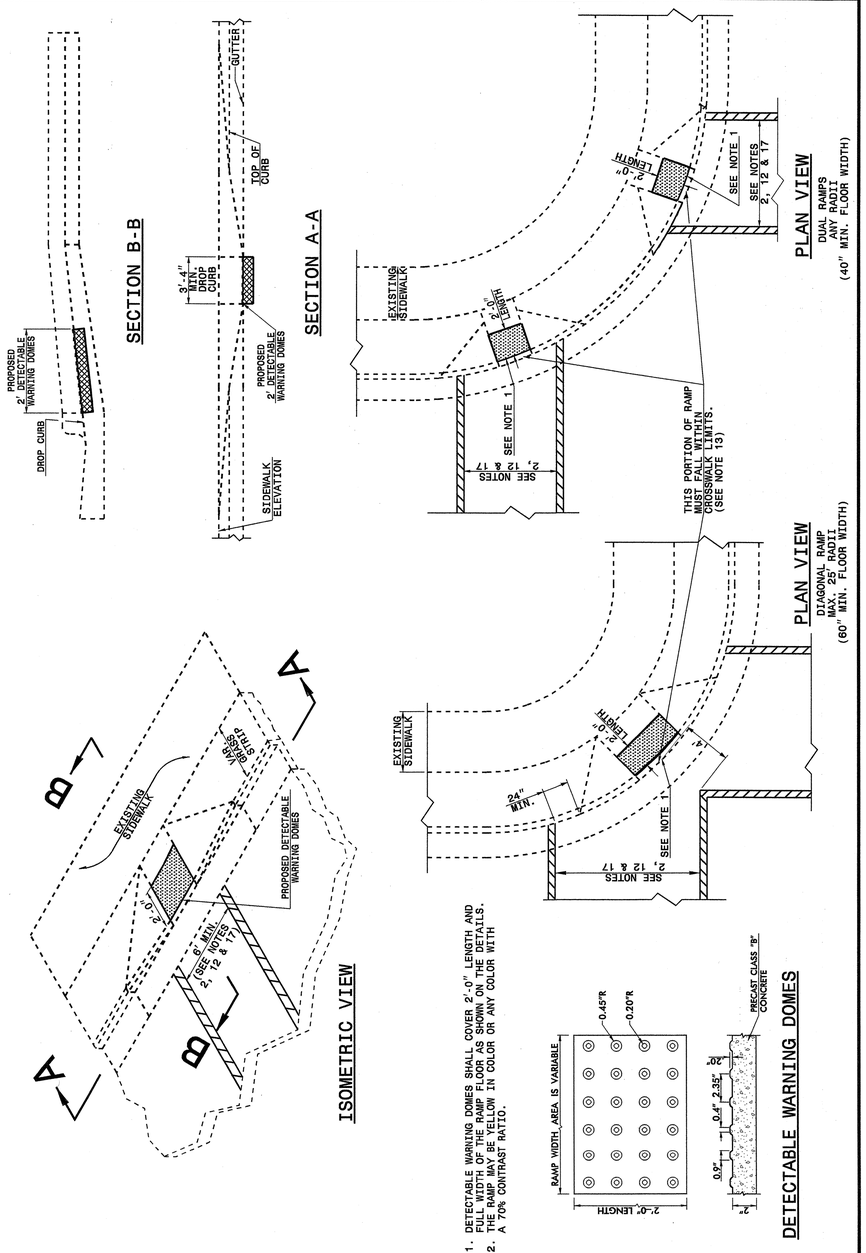
PROJECT REFERENCE NO.	SHEET NO.
B-3475	2-B

5/14/99

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
RETROFITTING DETECTABLE WARNING DOMES ONTO EXISTING WHEELCHAIR RAMP
CURB CUT

SHEET 2 OF 4 **848D05**



1. DETECTABLE WARNING DOMES SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
2. THE RAMP MAY BE YELLOW IN COLOR OR ANY COLOR WITH A 70% CONTRAST RATIO.

DESIGN SERVICES UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-250-4128 FAX 919-250-4119

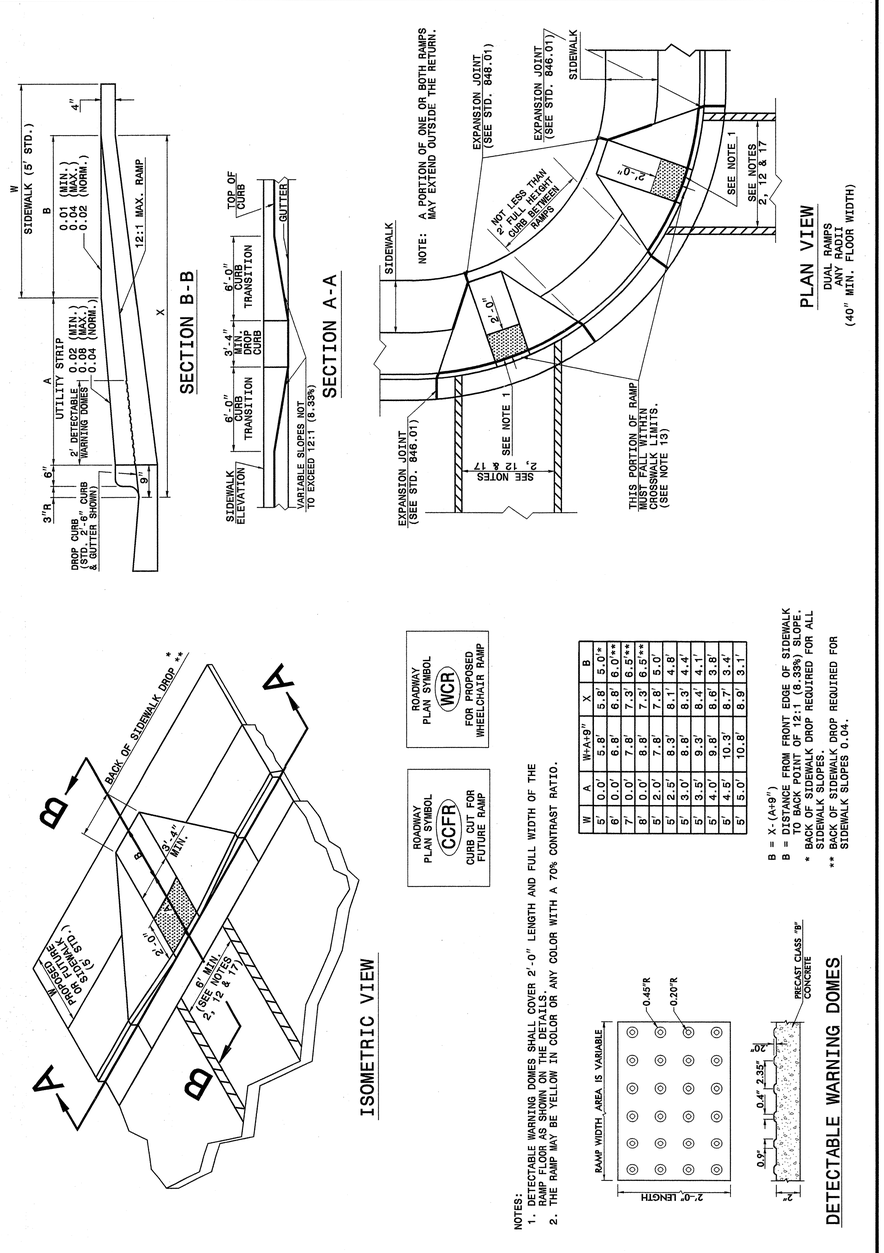
SEE PLATE FOR TITLE

ORIGINAL BY: 2002 STD.848.05 DATE:
MODIFIED BY: E.E. WARD DATE: 06-18-03
CHECKED BY: [signature] DATE: 6-03
FILE SPEC.: /usr/std6/02todet4il/english/84805/848d05.dgn

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
WHEELCHAIR RAMP
CURB CUT

SHEET 1 OF 4 **848D05**



ROADWAY PLAN SYMBOL (WCR) FOR PROPOSED WHEELCHAIR RAMP

ROADWAY PLAN SYMBOL (CCFR) CURB CUT FOR FUTURE RAMP

W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	5.0*
6'	0.0'	6.8'	6.8'	6.0**
7'	0.0'	7.8'	7.3'	6.5**
8'	0.0'	8.8'	7.3'	6.5**
5'	2.0'	7.8'	7.8'	5.0'
5'	2.5'	8.3'	8.1'	4.8'
5'	3.0'	8.8'	8.3'	4.4'
5'	3.5'	9.3'	8.4'	4.1'
5'	4.0'	9.8'	8.6'	3.8'
5'	4.5'	10.3'	8.7'	3.4'
5'	5.0'	10.8'	8.9'	3.1'

B = X-(A+9")
B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33%) SLOPE.
* BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES.
** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.06.

NOTES:
1. DETECTABLE WARNING DOMES SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS
2. THE RAMP MAY BE YELLOW IN COLOR OR ANY COLOR WITH A 70% CONTRAST RATIO.

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOHN S. HOUPE
5/12/04

STATE OF
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RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
WHEELCHAIR RAMP
CURB CUT

SHEET 1 OF 4 **848D05**

25-JUN-2003 10:34
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