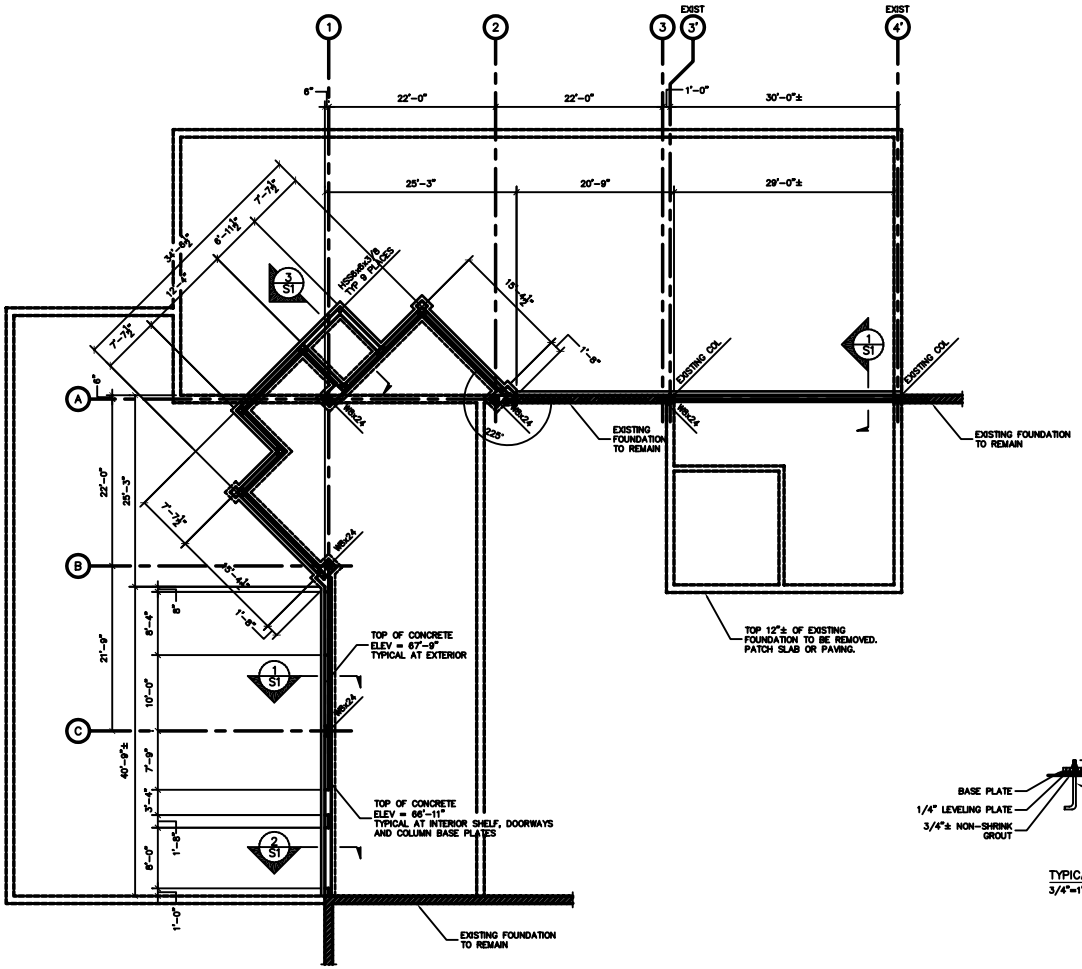


FOUNDATION PLAN
1/8"=1'-0"

TOP OF SLAB ELEVATION = 67'-5"± (MATCH EXISTING).
TOP OF WALL ELEVATION = 67'-5"± (MATCH SLAB).
TOP OF SHELF ELEVATION = 66'-11"± (8" BELOW SLAB).
FOOTINGS AT ALL PIERS (P1, P2&P3) ARE 3'-0"x3'-0"x1'-0" WITH (4) # 5 BOTH WAYS BOTTOM.

ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS AND RECOMMENDATIONS OF ACI 318-99.

PROPORTION DESIGN MIXES TO PROVIDE CONCRETE WITH THE FOLLOWING PROPERTIES:

FROST WALLS AND FOOTINGS:
- STRENGTH 3000 PSI AT 28 DAYS
- MAXIMUM W/C RATIO 0.58
- ENTRAINED AIR 6%±1%
- SLUMP 3"±1"

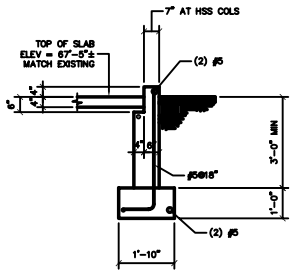
SLAB-ON-GRADE:
- STRENGTH 4000 PSI AT 28 DAYS
- MAXIMUM W/C RATIO 0.48
- ENTRAINED AIR 2%±1%
- FIBER REINFORCING ASTM C1116, TYPE III VIRGIN POLYPROPYLENE FIBERS MIN 1.6 POUNDS PER CY
- SLUMP 3"±1"

DESIGN CRITERIA:

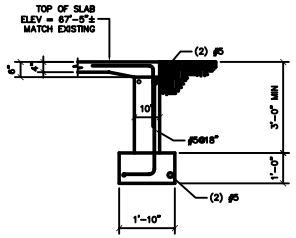
BUILDING CODE: 1999 BOCA NATIONAL BUILDING CODE

1. DESIGN LOADS:

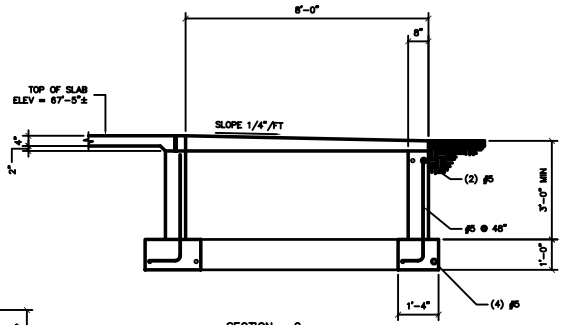
A. SNOW LOAD:		
GROUND SNOW LOAD, Pg	60 PSF
SNOW EXPOSURE FACTOR	1.0
SNOW LOAD IMPORTANCE FACTOR	1.0
ROOF THERMAL FACTOR	1.0
FLAT ROOF SNOW LOAD	42 PSF
B. WIND LOADS:	
MAIN WIND-FORCE RESISTING SYSTEM	
BASIC WIND SPEED, V	85 MPH
IMPORTANCE FACTOR, I	1.10
BASIC VELOCITY PRESSURE, Pv	18.5 PSF
EXPOSURE	C
COMPONENTS AND CLADDING EXPOSURE	C
C. SEISMIC DESIGN DATA:	
PEAK VELOCITY RELATED ACCELERATION, Av	0.11
PEAK ACCELERATION, Aa	0.11
SEISMIC HAZARD EXPOSURE GROUP	I
SEISMIC PERFORMANCE CATEGORY	C
SOIL PROFILE TYPE	S3
SITE SOIL COEFFICIENT, S	2.0
BASIC STRUCTURAL SYSTEM	REINF. MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR, R	3.5
DEFLECTION AMPLIFICATION FACTOR, Cd	3.0
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE



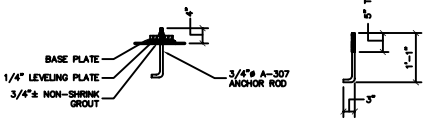
SECTION 1
1/2"=1'-0" S1
PROVIDE MATCHING CORNER BARS.



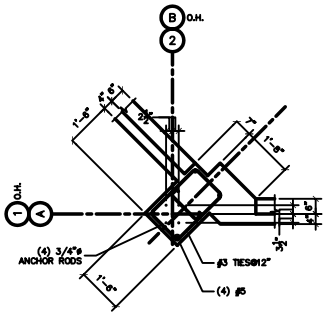
SECTION 2
1/2"=1'-0" S1
TYPICAL AT DOORS



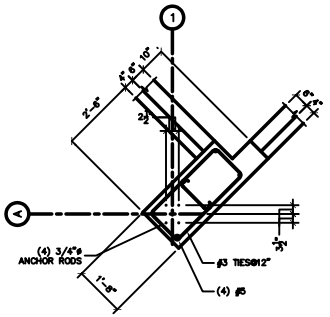
SECTION 2
1/2"=1'-0" S1
SEE SECTIONS 1 FOR ADDITIONAL INFORMATION



TYPICAL ANCHOR ROD DETAILS
3/4"=1'-0"



DETAIL A
1/2"=1'-0"



DETAIL B
1/2"=1'-0"

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ARCHITECTS
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project:
FOREST CITY CHEVROLET
BRIGHTON AVE
PORTLAND, MAINE

JUN 13, 2003

Revisions	
Rev. 1	JUL 18, 2003
Rev. 2	AUG 15, 2003
Rev. 3	AUG 18, 2003
Rev. 4	SEP 3, 2003

FOUNDATION PLAN

S1

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