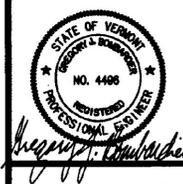


REVISIONS	BY

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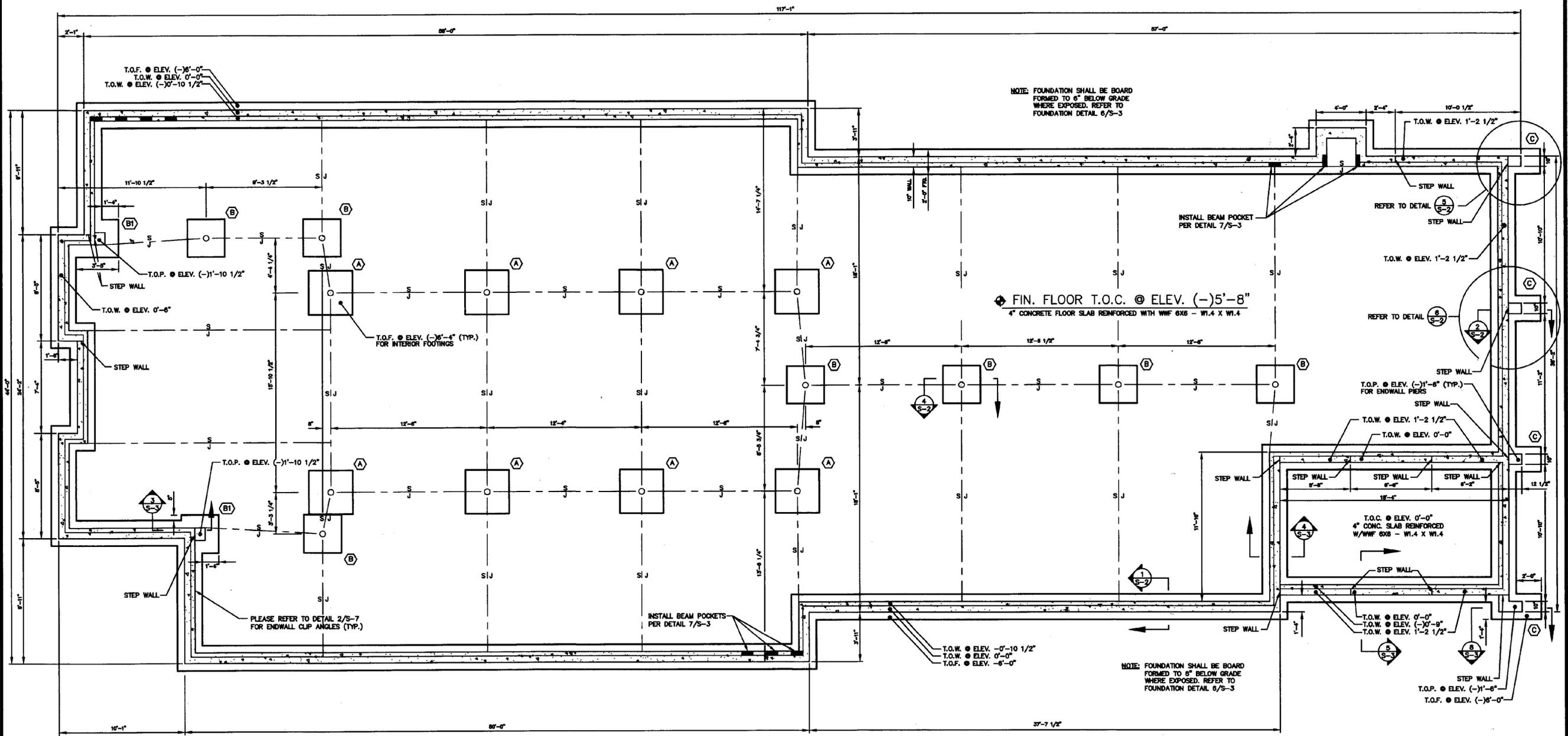
**CHAMPLAIN CONSULTING ENGINEERS**  
85 PRIM ROAD, P.O. BOX 453  
COLCHESTER, VERMONT 05446  
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**INTERSTATE 89 NORTHBOUND  
WILLISTON INFORMATION CENTER  
FOUNDATION PLAN**  
PROJECT # IM-BL2004(4)  
VERMONT  
WILLISTON

DRAWN  
CCE  
CHECKED  
GJB  
SCALE  
1/4" = 1'-0"  
DATE  
01/16/01  
JOB NO.  
93114  
SHEET

**S1nb**  
OF 8 SHEETS



**1 FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"  
Graphic Scale  
0 2 4 6 8 10 feet

FOOTING				PIER		
MARK	DIMENSION	REINFORCING	DOWELS	DIMENSION	REINFORCING	TIES
(A)	3'-6" X 3'-6" X 12"	4-#5 BARS, E.W.				
(B)	3'-0" X 3'-0" X 12"	3-#5 BARS, E.W.				
(B1)	3'-0" X 3'-0" X 12"	3-#5 BARS, E.W.	4-#5 BARS	10" X 12"	4-#5 BARS	#5 BARS @ 10" O.C.
(C)	2'-0" X 3'-2" X 12"	3-#5 BARS, E.W.	4-#5 BARS	10" X 12 1/2"	4-#5 BARS	#5 BARS @ 10" O.C.

**2 FOOTING AND PIER SCHEDULE**  
S-1

**PROJECT SUMMARY**

**1. Project Description:**  
CONSTRUCTION OF A NEW WELCOME CENTER AT THE WILLISTON I-89 REST AREAS.

**2. Project Contacts:**  
**Project Architect** - Duncan-Wieners Architects  
85 Prim Road, P.O. Box 453  
Colchester, Vermont 05446  
Contact: Richard Wainwright  
(802) 864-8693

**Project Engineer** - Champlain Consulting Engineers  
85 Prim Road, P.O. Box 453  
Colchester, Vermont 05446  
Contact: Greg Bombardier  
(802) 863-8060

**JOB SITE SAFETY NOTES:**

- PROVIDE ADEQUATE SAFETY FOR ALL WORKERS AND THE GENERAL PUBLIC ON AND NEAR THE JOB SITE AT ALL TIMES.
- FOLLOW THE SAFETY PROCEDURES SET FORTH BY THE VERMONT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (VOSH), AT A MINIMUM, AT ALL TIMES.
- ALL HOLES SHALL BE FILLED, COVERED OR BARRICADED AT THE END OF EACH WORKING DAY.
- AT THE END OF EACH WORKING DAY, ALL UNFINISHED WORK SHALL BE IDENTIFIED IN SUCH A MANNER SO AS TO WARN UNAUTHORIZED PERSONNEL FROM ENTERING OR USING THE UNFINISHED AREA.

**GENERAL NOTES:**

- THE STRUCTURAL PLANS AND DETAILS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL PLANS FOR THE WELCOME CENTER PREPARED BY DANCHEN WAINWRIGHT ARCHITECTURE. REFER TO ARCHITECTURAL DRAWINGS SHEET A-3 FOR CONCRETE RELATED TO SHEET.
- PRIOR TO COMMENCING ANY CONSTRUCTION, THE GENERAL CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS. THE PROJECT ARCHITECT SHALL BE NOTIFIED IMMEDIATELY WHERE DISCREPANCIES EXIST BETWEEN THE PROJECT DRAWINGS AND ACTUAL FIELD CONDITIONS.
- DO NOT SCALE DIMENSIONS FROM THE DRAWINGS. WHERE DIMENSIONS ON THE PROJECT DRAWINGS ARE UNCLEAR, CONTACT THE PROJECT ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE PROJECT DRAWINGS REFLECT THE LATEST REVISIONS.
- ALL WALLS, FOOTINGS AND PIERS SHALL BE CONSTRUCTED WITH CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. REINFORCING STEEL SHALL BE HEAT TREATED BARS, GRADE 60 CONFORMING WITH THE REQUIREMENTS OF ASTM SPECIFICATION A631.
- CONCRETE USED FOR FLOOR SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, AIR-ENTRAINED.
- WELDED WIRE FABRIC SHALL BE PROVIDED IN FLAT SHEETS AND SHALL BE PLAIN, COLD-DRAWN, ELECTRICALLY WELDED FABRIC CONFORMING TO ASTM A185, AND WIRE MEETING ASTM A185.
- ALL FOOTINGS SHALL BE PLACED ON COMPACTED GRANULAR BACKFILL OR UNDISTURBED EARTH HAVING A MINIMUM ALLOWABLE BEARING STRESS OF FOUR TONS PER SQUARE FOOT.
- COMMONLY USED ABBREVIATIONS ARE AS FOLLOWS:  
T.O.C. - TOP OF FOUNDATION WALL  
T.O.F. - TOP OF FOUNDATION FOOTING  
T.O.C. - TOP OF CONCRETE SLAB  
T.O.S. - TOP OF STEEL  
T.O.P. - TOP OF CONCRETE PIER

- CONSTRUCTION OR CONTRACTION JOINTS IN FLOOR SLABS AND WALLS SHALL BE PLACED AT NOT GREATER THAN TWENTY-FOUR (24) FEET ON-CENTERS. THE FOLLOWING SPECIFICATION SECTIONS SHALL BE REFERENCED FROM THE PROJECT MANUAL TO SUPPORT THE BUILDING DRAWINGS FOR THIS PROJECT:  
SECTION 01340 - SHOW DRAWINGS, PRODUCT DATA AND SAMPLES  
SECTION 01410 - TESTING SERVICES  
SECTION 03300 - CAST-IN-PLACE CONCRETE  
SECTION 05100 - STRUCTURAL STEEL  
SECTION 05210 - STEEL JOISTS  
SECTION 05300 - METAL DECKING  
SECTION 09100 - RUGH CARPENTRY
- THE 1987 "BOCA" NATIONAL BUILDING CODE WAS USED AS A REFERENCE TO DEVELOP THE DESIGN LOAD CRITERIA FOR THIS PROJECT. THE DESIGN LOADS ARE SUMMARIZED AS FOLLOWS:  
**ROOF**  
DEAD LOAD:  
(A) UNIFORM DISTRIBUTED LOAD = 20 PSF  
LIVE LOAD:  
(A) UNIFORM DISTRIBUTED LOAD = 40 PSF (S408)
- FLOOR**  
DEAD LOAD:  
(A) UNIFORM DISTRIBUTED LOAD = 15 PSF  
LIVE LOAD:  
(A) UNIFORM DISTRIBUTED LOAD = 125 PSF (MEDIUM) (MEDIUM)  
(A) UNIFORM DISTRIBUTED LOAD = 100 PSF (PUBLIC PLACE)

- THE GENERAL CONTRACTOR SHALL CONTACT "THE BUREAU" AT (802) 863-8677 SEVENTY-TWO HOURS PRIOR TO ANY EXCAVATION TO ACCURATELY ESTABLISH THE LOCATION OF ALL UNDERGROUND UTILITIES LOCATED ON THE PROJECT SITE.
- ANCHOR BOLTS SHALL BE ASTM A307 WITH THE FOLLOWING MINIMUM EMBEDMENT LENGTHS:  
3/4" DIA. - 12" MIN. EMBEDMENT (INCLUDES 6" HOOK)  
PROJECTED 4 1/2" MIN.
- COORDINATE ALL NECESSARY UTILITY PENETRATIONS WITH RESPECTIVE SUBCONTRACTORS.
- STRUCTURAL DRAWINGS REF. FF. ELEV. @ 0.00' - CIVIL DRAWINGS REF. ELEV. @ 806.00'