

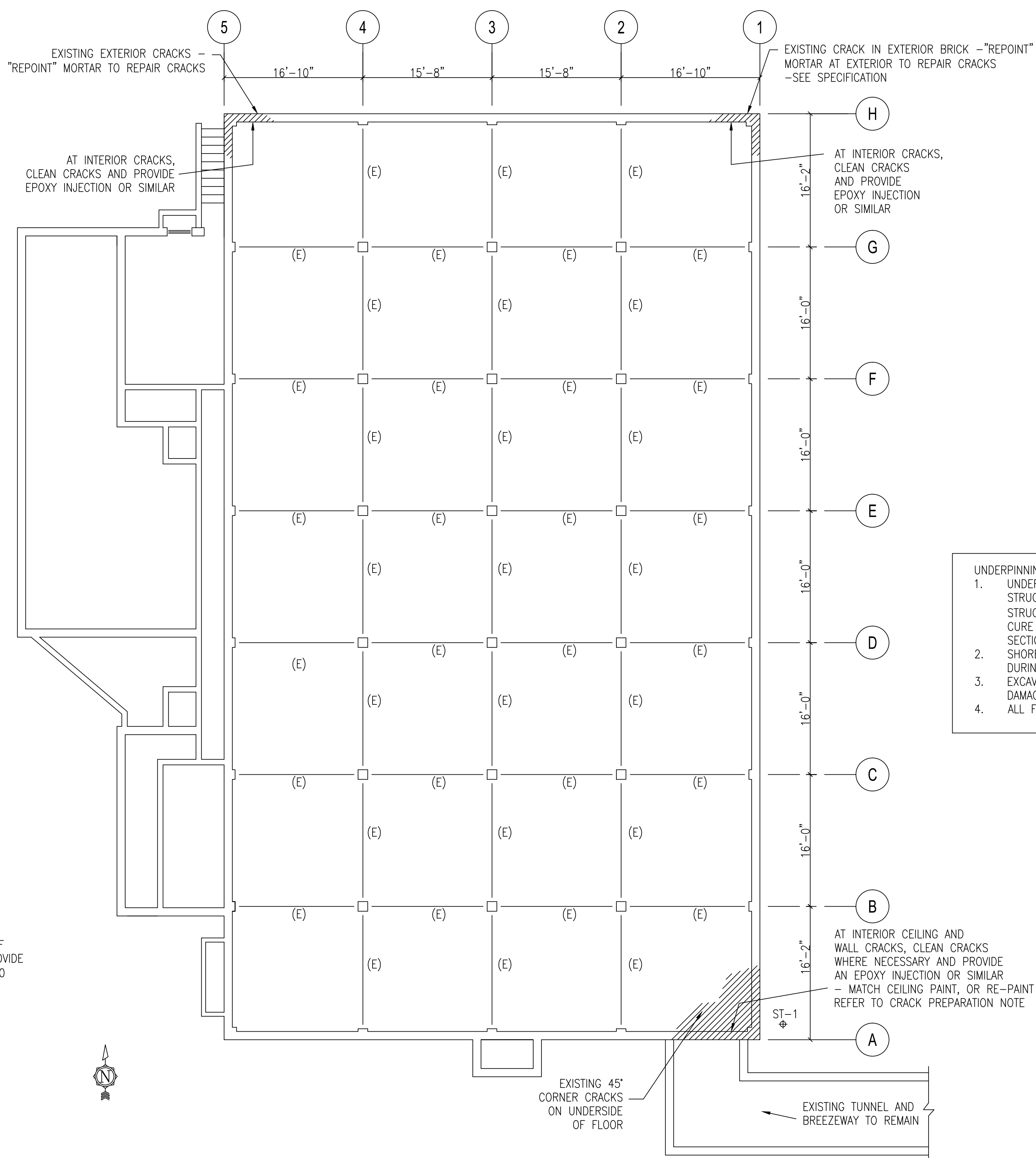
BUILDING 59 FOOTING AND FOUNDATION PLAN 1/8" = 1'-0"

PILE	①	②	③	④	⑤	⑥	⑦
DEAD LOAD	51,008 lbs.	20,404 lbs.	20,404 lbs.	30,197 lbs.	20,404 lbs.	20,404 lbs.	100,598 lbs.
LIVE LOAD	41,591 lbs.	14,857 lbs.	14,857 lbs.	18,570 lbs.	14,857 lbs.	14,857 lbs.	51,045 lbs.
SNOW LOAD	98,277 lbs.	0 lbs.	0 lbs.	5,103 lbs.	0 lbs.	0 lbs.	39,610 lbs.

NOTE: LOADS SHOWN ARE "UNFACTORED"

NOTES:

- PROVIDE (7) "MICROPILES" AT APPROXIMATE LOCATIONS AS SHOWN.
- LOCATIONS OF "MICROPILES" ARE TO BE FIELD VERIFIED (F.V.) ONCE FOUNDATIONS ARE EXPOSED AND ONCE FINAL CONDITIONS ARE KNOWN. ENGINEER OF RECORD TO APPROVE FINAL LAYOUT.
- ALL "MICROPILES" SHALL BE DESIGNED BY A MINNESOTA REGISTERED ENGINEER EMPLOYED BY THE PIER FABRICATOR/INSTALLER. CALCULATIONS BEARING THE ENGINEER'S STAMP AND SIGNATURE SHALL ACCOMPANY THE SHOP DRAWINGS. PILES SHALL BE DESIGNED AND DENOTED ON THE DRAWINGS AND PER THE SOILS REPORT DATED JUNE 10, 2014 BY BRAUN INTERTEC CORPORATION.
- FOR STRUCTURAL GENERAL NOTES, SHEET SS1.00
- ** MICROPILES #2, 3 & 4 MAY NEED TO BE INSTALLED WITHIN THE TUNNEL. CONTRACTOR TO LAYOUT BEST FEASIBLE OPTION PRIOR TO CONSTRUCTION.
- REFER TO ARCHITECTURAL FOR ELEVATION AND GRADE CHANGES

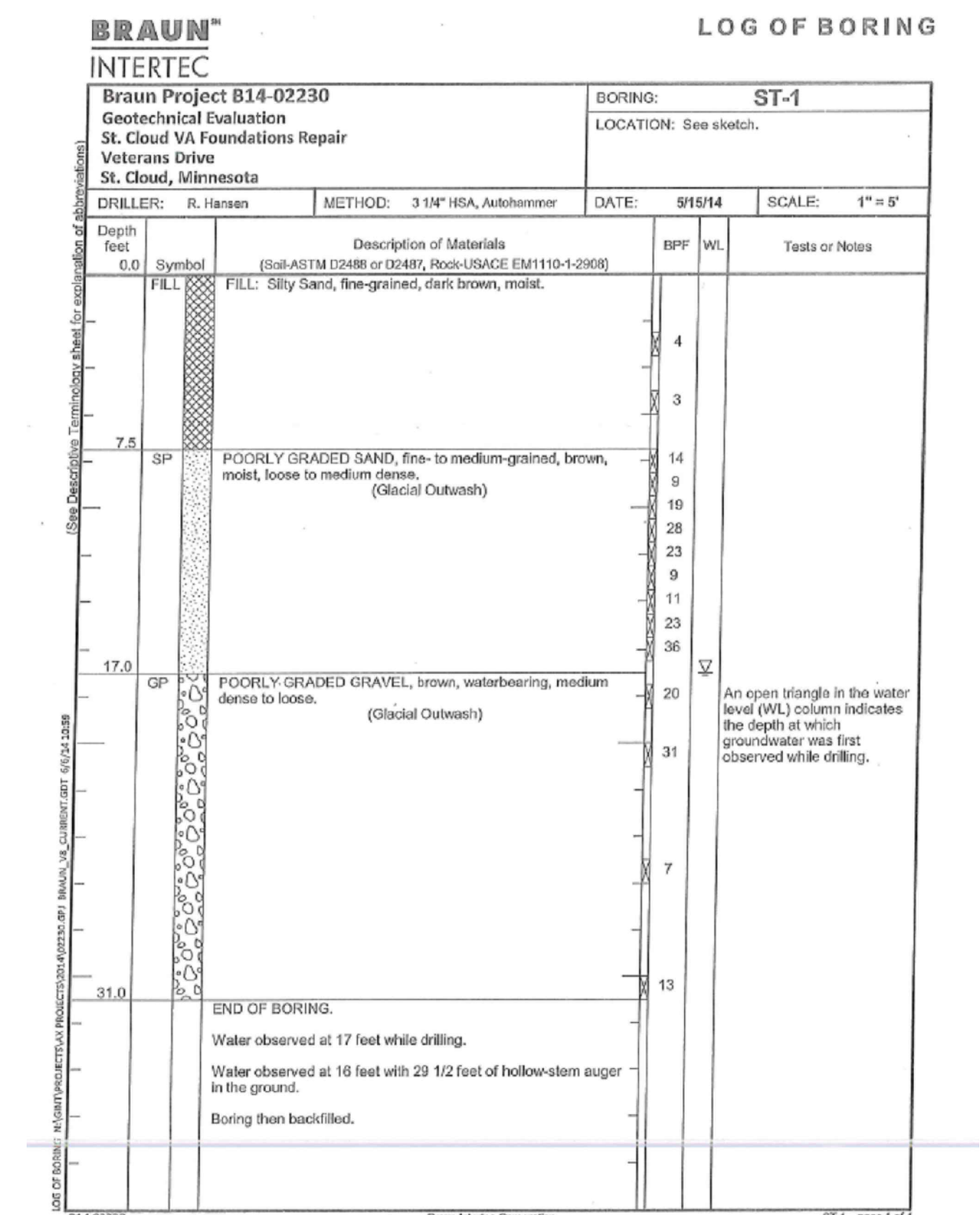


BUILDING 59 FIRST FLOOR FRAMING PLAN 1/8" = 1'-0"

CRACK PREPARATION:

- CLEAN THE CRACK AND SURFACE SURROUNDING IT TO ALLOW EPOXY TO BOND TO SOUND CONCRETE.
- BRUSH THE SURFACE WITH A WIRE BRUSH AT A MIN.
- OIL, GREASE OR OTHER CONTAMINATES SHALL BE REMOVED PRIOR TO APPLICATION.
- TAKE CARE NOT TO IMPACT ANY DEBRIS INTO THE CRACK DURING CLEANING.
- BLOW OUT THE CRACK WITH CLEAN COMPRESSED AIR TO REMOVE ANY DUST, DEBRIS OR STANDING WATER.
- IF PAINT COATING OR SEALANT HAS BEEN APPLIED TO SURFACE, IT MUST BE REMOVED PRIOR TO EPOXY BEING APPLIED.
- APPLY EPOXY INJECTION PER MANUFACTURER.

- UNDERPINNING NOTES:**
- UNDERPINNING OF FOOTINGS SHALL BE ACCOMPLISHED IN PHASES SO AS TO NOT UNDERMINE THE EXISTING STRUCTURE. THE FIRST PHASE SHALL BE NO GREATER THAN 4 FOOT LENGTHS, LEAVING THE EXISTING STRUCTURE/FOOTING SPANNING 4 FEET BETWEEN NEW SECTIONS OF FOOTING. THE NEW FOOTING MUST CURE 48 HOURS BEFORE PHASE TWO OF THE FOOTINGS CAN BE INSTALLED IN BETWEEN THE 4 FOOT SECTIONS.
 - SHORE AND BRACE WHERE NECESSARY TO ENSURE THE SAFETY AND STABILITY OF THE EXISTING STRUCTURE DURING UNDERPINNING.
 - EXCAVATION SHALL BE UNDERTAKEN IN A MANNER SO AS TO PREVENT MOVEMENT WHICH WOULD CAUSE DAMAGE TO ADJACENT PROPERTY, STRUCTURES, UTILITIES, ROADS, AND SIDEWALKS.
 - ALL FOOTINGS SHALL BEAR ON UNDISTURBED, NATURAL FILL.



BORING LOG AT LOCATION ST-1 BY BRAUN INTERTEC - FOR COMPLETE DETAILS, REFER TO THE SOILS REPORT DATED JUNE 10, 2014

WARNING

LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR. CALL BEFORE BORING. MINNESOTA ONE-CALL SYSTEM 1-800-252-1166 REQUIRED BY MN STATUTE 21B.

No	REVISION	DATE



701 Washington Ave. N, Ste 200 | Minneapolis, MN 55401 | 612.338.2029



TECHNICAL SERVICES AND CONSULTING
1225 TOWER AVE
SUPERIOR, WI 54880
715-392-1879

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
SIGNATURE: *[Signature]*
TYPED OR PRINTED NAME: SHAWNIA L. KRATZSCH
DATE: 01/23/2015 REG. NO.: 50879

APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INJECTION CONTROL NURSE	DATE:
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:
APPROVED: DIRECTOR FMS	DATE:	APPROVED: SAFETY MANAGER	DATE:

DRAWING TITLE BUILDING 59	PROJECT TITLE 808-14-247 REPAIR FOUNDATIONS BUILDING 4, 7, 59 St. Cloud VA Health Care System Main Campus, St. Cloud, Minnesota
APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR DATE:	PROJECT NO. SS1.03 (Rev. 1 of 1)
APPROVED: CHIEF OF STAFF DATE:	BUILDING No 59
APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:	CHECKED BY SLK
	DRAWN JMH
	LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303

