

A₂B Structural Engineering

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 Project Name ~ SBS CONSULTING

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 Project Name ~ SBS CONSULTING
 Project No ~ 05-24

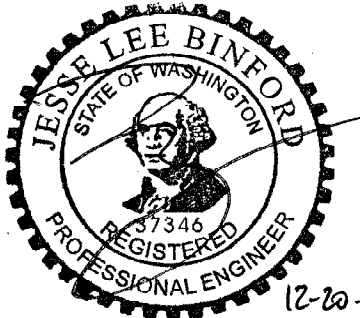
COMPARISON OF METALSTUDCRETE® (MSC), STEELCRETE®-I (SCI), STEELCRETE®-II (SCII), & STEELCRETE®-III (SCIII)

THINSHELL SYSTEM ¹	CAPACITIES BASED ON COMPRESSIVE STRENGTH OF CONCRETE ^{2,7}	
	3,000 psi	4,000 psi
SCIII ^{3,8}	1,346 plf	1,555 plf
SCII ^{4,8}	1,183 plf	1,367 plf
SCI ^{5,8}	789 plf	911 plf
MSC ⁶	680 plf	785 plf

NOTES:

- 1) 2" OF CONCRETE ACTING COMPOSITELY WITH LIGHT GAUGE STUDS
- 2) AS DETERMINED BY STRENGTH TESTS AT 28-DAYS
- 3) 'A' SHAPE DEFORMED STRIP SEATED IN STUD FLANGES SPACED 4" OC
- 4) DEFORMED STUD FLANGE PUNCHED 4" OC
- 5) DEFORMED STUD FLANGE PUNCHED 6" OC
- 6) DEFORMED LIGHT GAUGE STRIP SCREWED TO STANDARD STUD 4" OC
- 7) VALUES MAY BE INCREASED 10% FOR SCI, SCII, & SCIII IF WIRE MESH REINFORCEMENT USED
- 8) CAPACITIES ARE BASED ON ACI 318-02 APPENDIX D ANCHORAGE DESIGN, CRACKED

NOT TO BE USED FOR DESIGN!



12-20-05

EXPIRES: 10/25/07