

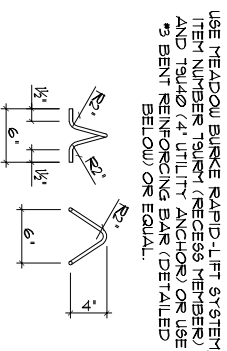
FOUNDATION PIER DETAIL

SCHEDULE OF RECOMMENDED FOUNDATION PIER MIN. SIZES

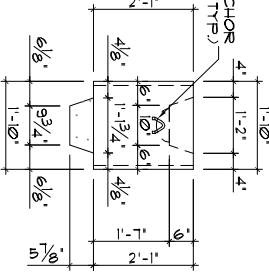
2' x 2' COLUMN 8'-0" MAX. COLUMN HEIGHT

Exposure	Bedrock		Gravel		Sand		Clay		Unknown Fill / Organics
	Pier Diameter (in)	Pier Depth (in)	Pier Diameter (in)	Pier Depth (in)	Pier Diameter (in)	Pier Depth (in)	Pier Diameter (in)	Pier Depth (in)	
Wind Speed (mph)	80	24	30	4'-6"	24	48	4'-6"	30	4'-6"
Friction Angle, $\phi = 35^\circ$ (min)	80	24	30	4'-6"	24	48	4'-6"	30	4'-6"
Cohesion, $c = 0$ psf (min)	80	24	30	4'-6"	24	48	4'-6"	30	4'-6"
Total Density, $\gamma = 125$ pcf (min)	80	24	30	4'-6"	24	48	4'-6"	30	4'-6"
Friction Angle, $\phi = 35^\circ$ (min)	80	24	30	4'-6"	24	48	4'-6"	30	4'-6"
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Total Density, $\gamma = 125$ pcf (min)	80	24	30	4'-6"	24	48	4'-6"	30	4'-6"
Foundation	C	80	24	30	4'-6"	24	48	30	4'-6"

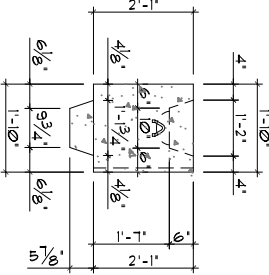
Note: Foundation per minimum length shall exceed distance required locally for frost protection.



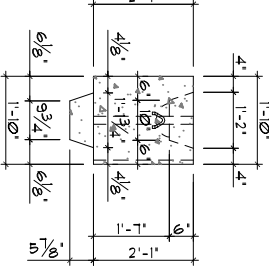
LIFTING ANCHOR AND RECESSES DETAIL



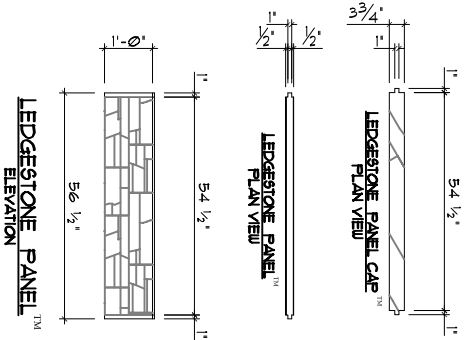
END COLUMN ELEVATION



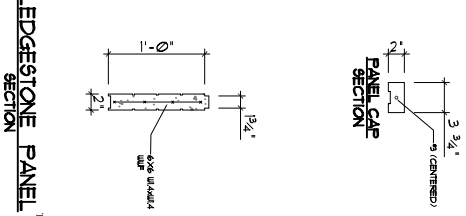
LINE COLUMN ELEVATION



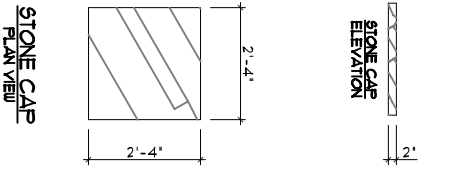
CORNER COLUMN ELEVATION



LEDGESTONE PANEL PLAN VIEW



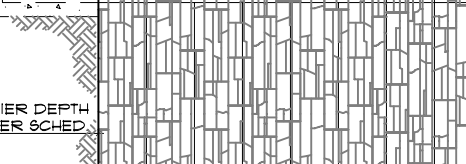
LEDGESTONE PANEL ELEVATION



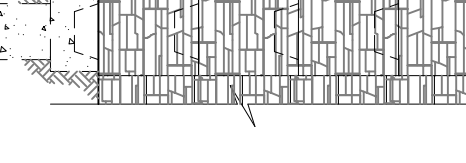
LEDGESTONE PANEL SECTION



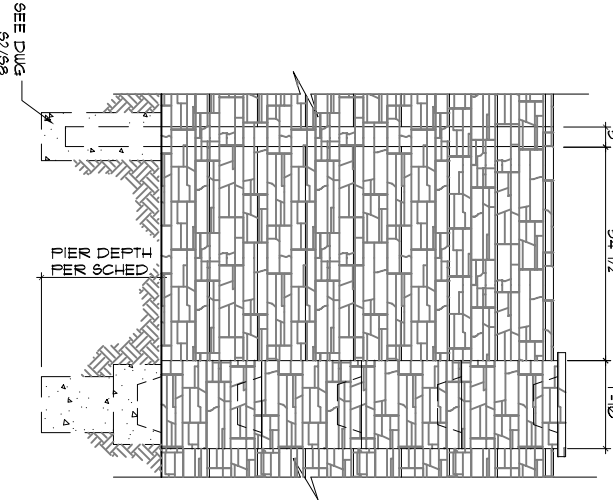
LEDGESTONE PANEL SECTION



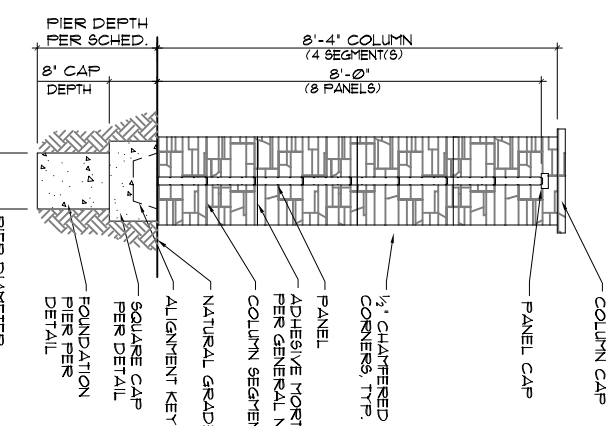
STONE CAP ELEVATION



STONE CAP SECTION



LEDGESTONE FENCE ELEVATION



LEDGESTONE FENCE SECTION

SPECIFICATION DATA:

- PRODUCT NAMES:
LEDGESTONE COLUMN
2. MANUFACTURERS:
SIGNATURE STONE, LLC
211 30TH STREET
GREELEY, CO 80631
- PRODUCTS DESCRIPTION:
PRODUCTS ARE INTENDED FOR RESIDENTIAL, COMMERCIAL AND INDUSTRIAL EXTERIOR FENCING, SCREENING WALLS AND NOISE BARRIERS.
- COMPOSITION AND MATERIALS:
A MIX OF HIGH STRENGTH PORTLAND CEMENT, NATURAL AGGREGATES AND IRON OXIDE COLORS PLACED AND CAST WITH FACTORY MOLDS FILLED HOLDS ARE VIBRATED AFTER SETUP OF MIX CURED AND PACKAGED FOR SHIPMENT.
- LIMITATIONS:
FENCE COLUMNS ARE PLACED PER THE ARCHITECT. HEIGHT OF THE FENCE SYSTEM SHOULD NOT EXCEED THAT SHOWN CONTACT MANUFACTURER FOR ENGINEERING NOT INCLUDED IN THESE SPECIFICATIONS.
- INSTALLATION:
THE LONG-TERM PERFORMANCE OF ALL FOUNDATIONS, INCLUDING THE SIGNATURE STONE FENCE FOUNDATION, DEPENDS ON PROPER GRADING, POSITIVE DRAINAGE AWAY FROM THE FENCE FOUNDATIONS TO THE EXTENT POSSIBLE IS RECOMMENDED AT ALL TIMES. PANELS CAN BE ARRANGED TO ALLOW FOR CONTINUOUS OR INTERMITTENT DRAINAGE BENEATH THE FENCE WHERE NECESSARY.
- GENERAL NOTES:
1. ALL CONSTRUCTION TO MEET LOCAL CODES AND AMENDMENTS
2. ALL CONCRETE FOOTINGS SHALL USE TYPE II CEMENT
3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, UNLESS APPROVED BY A GEOTECHNICAL ENGINEER
4. ALL PIER FOUNDATIONS ARE TO BE LOCATED IN UNDISTURBED SOIL
5. FENCE WALL STANDARD DESIGN IS FOR A WIND LOAD OF 100 mph 3 sec. gust.
6. APPROVAL OF THE ENGINEER IS REQUIRED WHEN FENCE IS USED UNDER A CONDITION WHERE THE SPECIFICATIONS ARE DIFFERENT THAN SHOWN
7. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE JOB SITE
8. THE COLUMNS, PANELS AND CAPS ARE MADE OF CONCRETE AND ARE MANUFACTURED BY A NATIONAL READY MIX CONCRETE ASSOCIATION APPROVED MANUFACTURER
9. A FULLY DIMENSIONED PLOT PLAN IS REQUIRED FOR A BUILDING PERMIT AND MUST BE PROVIDED WITH EACH STANDARD PLAN
10. LOCATION AND FENCE HEIGHT SHALL COMPLY WITH CITY/COUNTY FENCING CODES AND CURRENT CONDITIONS.
11. ALL WORK SHALL COMPLY WITH CITY/COUNTY GRADING ORDINANCES.
12. ADHESIVE MORTAR SHALL HAVE MIN. TENSILE STRENGTH OF 3000 PSI. CONTRACTOR SHALL COMPLETELY COAT ADJOINING SURFACES OF COLUMN SEGMENTS.
NOTE: ALL DIMENSIONS SHOWN ON THIS SHEET ARE FOR INFORMATION PURPOSES ONLY. ACTUAL DIMENSIONS MAY VARY DUE TO MANUFACTURING AND HOLDING TOLERANCES.



CTL | THOMPSON
STRUCTURAL ENGINEERS
FORMERLY SECURE FOUNDATIONS, LLC
CTL | THOMPSON STRUCTURAL ENGINEERS FT COLLINS, LLC P: 970-206-9455
351 Linden Street, Ste 140, Fort Collins, CO 80524 F: 970-206-9441

SIGNATURE STONE 8' FENCE SYSTEM™

NO.	DATE	REVISION / ISSUE

CLIENT:
SIGNATURE STONE
211 W. 30TH STREET
GREELEY, CO 80631

GREG MILLER
970-351-0270

DESIGNER:
HAP / MKK
DATE: 6/22/06
SCALE: AS SHOWN
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