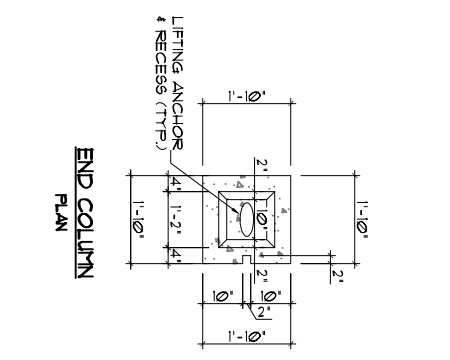
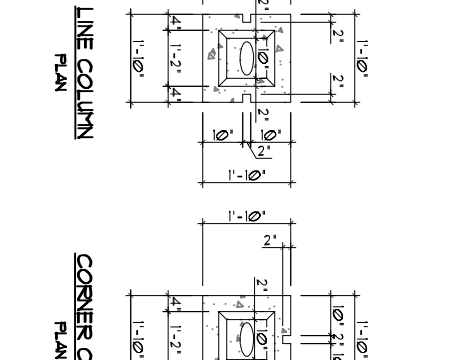


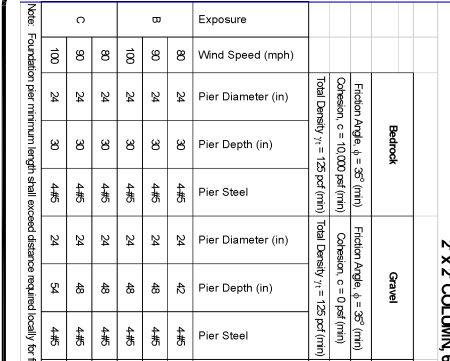
**FOUNDATION PIER DETAIL**



**END COLUMN PLAN**



**LINE COLUMN PLAN**



**CORNER COLUMN PLAN**

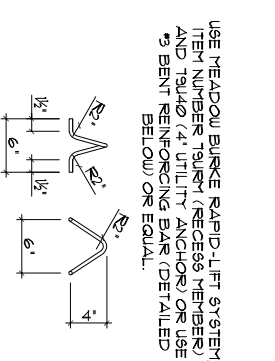
**SCHEDULE OF RECOMMENDED FOUNDATION PIER MIN. SIZES**

2 x 2 COLUMN 6'-0" MAX COLUMN HEIGHT

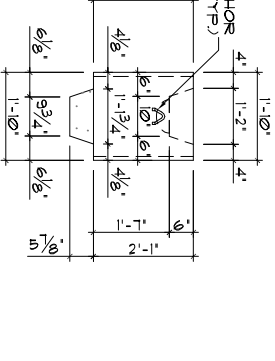
Exposure	Bedrock		Gravel		Sand		Clay		Unknown Fill / Organics
	Pier Diameter (in)	Pier Depth (in)	Pier Diameter (in)	Pier Depth (in)	Pier Diameter (in)	Pier Depth (in)	Pier Diameter (in)	Pier Depth (in)	
Wind Speed (mph)	Friction Angle, $\phi = 36^\circ$ (min) cohesion, $c = 10,000$ psf (min) Total Density, $\gamma = 125$ pcf (min)		Friction Angle, $\phi = 36^\circ$ (min) cohesion, $c = 0$ psf (min) Total Density, $\gamma = 125$ pcf (min)		Friction Angle, $\phi = 37^\circ$ (min) cohesion, $c = 0.5$ psf (min) Total Density, $\gamma = 125$ pcf (min)		Friction Angle, $\phi = 0^\circ$ (min) cohesion, $c = 10,000$ psf (min) Total Density, $\gamma = 125$ pcf (min)		Poorly-Consolidated
80	24	30	24	42	24	48	24	48	RECURS SITE SPECIFIC
100	24	30	24	48	24	54	24	48	ENGINEERED
80	24	30	24	48	24	48	24	48	FOUNDATION
100	24	30	24	48	24	54	24	48	

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

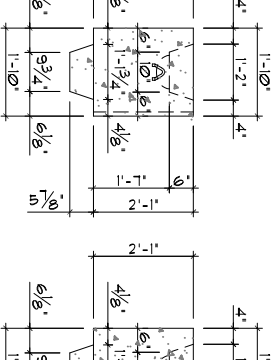
**SCHEDULE OF RECOMMENDED FOUNDATION PIER MIN. SIZES**



**LIFTING ANCHOR AND RECESS DETAIL**



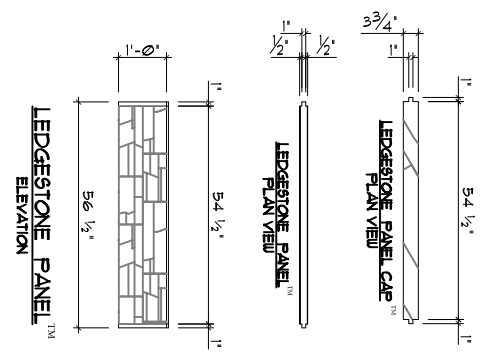
**END COLUMN ELEVATION**



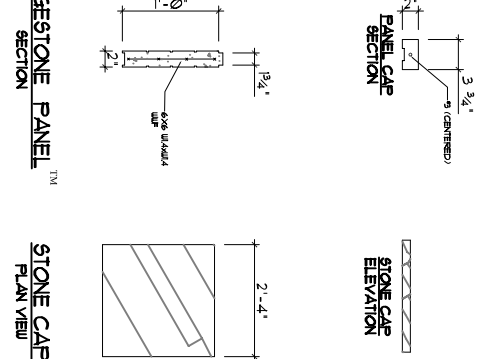
**LINE COLUMN ELEVATION**



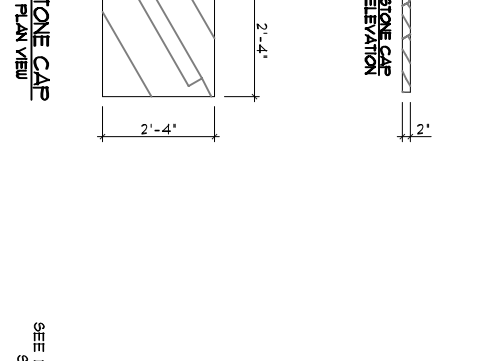
**CORNER COLUMN ELEVATION**



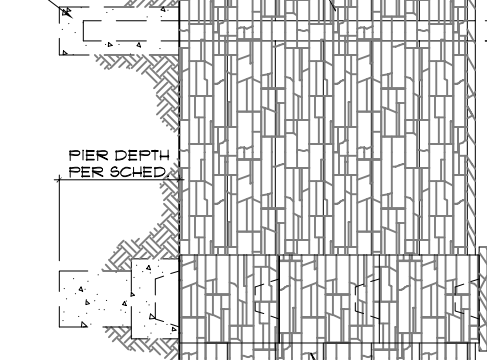
**LEDGESTONE PANEL CAP PLAN VIEW**



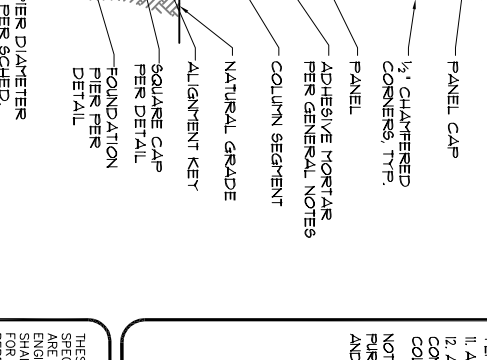
**LEDGESTONE PANEL SECTION**



**STONE CAP ELEVATION**



**LEDGESTONE PANEL ELEVATION**



**LEDGESTONE FENCE SECTION**

**SPECIFICATION DATA:**

- PRODUCT NAMES:  
1. LEDGESTONE COLUMN  
2. PANELFACTURERS  
3. SIGNATURE STONE, LLC  
4. 211 30TH STREET  
5. 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 WITHIN FACTORY MOLD. FILLED MOLD IS 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.
- TECHNICAL DATA FOR CONCRETE MIX:  
PRE-CAST FENCE COLUMNS:  
MIN. 28 DAY COMPRESSIVE STRENGTH = 4,000 PSI.  
CAST-IN-PLACE FOUNDATION PIERS:  
MIN. 28 DAY COMPRESSIVE STRENGTH = 3,000 PSI.
- BUILDING CODES:  
DESIGN OF FENCE COLUMNS, PANELS AND FOUNDATION PIERS IS BASED ON MOST RECENT VERSIONS OF IBC, IBC, AND A/C CODES.
- INSTALLATION:  
ALIGNMENT KEYS TO BE CAST INTO PIER FOR BRICKSTONE AND LEDGESTONE COLUMNS. ALL REINFORCING STEEL SHALL BE SCHEDULED. REINFORCING STEEL SHALL BE SCHEDULED IN EACH COLUMN SEGMENT. REINFORCING STEEL SHALL BE SCHEDULED IN EACH COLUMN SEGMENT. REINFORCING STEEL SHALL BE SCHEDULED IN EACH COLUMN SEGMENT. REINFORCING STEEL SHALL BE SCHEDULED IN EACH COLUMN SEGMENT.
- DRAINAGE:  
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:**
- ALL CONSTRUCTION TO MEET LOCAL CODES AND AMENDMENTS
  - ALL CONCRETE FOOTINGS SHALL USE TYPE II CEMENT.
  - ALL REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
  - ALL PIER FOUNDATIONS ARE TO BE LOCATED IN UNDISTURBED SOIL. DIMENSIONS APPROVED BY A GEOTECHNICAL ENGINEER.
  - FENCE WALL STANDARD DESIGN IS FOR A WIND LOAD OF 100 mph 3 sec. gust.
  - APPROVAL OF THE ENGINEER IS REQUIRED WHEN FENCE IS USED UNDER A CONDITION WHERE THE SPECIFICATIONS ARE DIFFERENT THAN SHOWN.
  - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE JOB SITE.
  - THE COLUMNS, PANELS AND CAPS ARE MADE OF CONCRETE AND ARE MANUFACTURED BY A NATIONAL READY MIX CONCRETE ASSOCIATION APPROVED MANUFACTURER.
  - A FULLY DIMENSIONED PLOT PLAN IS REQUIRED FOR A BUILDING PERMIT AND MUST BE PROVIDED WITH EACH STANDARD PLAN.
  - LOCATION AND FENCE HEIGHT SHALL COMPLY WITH CITY/COUNTY FENCING CODES AND CURRENT CONDITIONS.
  - ALL WORK SHALL COMPLY WITH CITY/COUNTY GRADING ORDINANCES.
  - ADHESIVE MORTAR SHALL HAVE MIN. TENSILE STRENGTH OF 300 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 MOLDING TOLERANCES.

- THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE THE EXCLUSIVE PROPERTY OF THE ENGINEER AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. REUSE, REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM THE ENGINEER. TITLE TO THESE PLANS AND SPECIFICATIONS SHALL REMAIN WITH THE ENGINEER WITHOUT PREJUDICE. AND VISUAL EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
- COPYRIGHT  
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- PLAN NOT VALID WITHOUT ORIGINAL MET STAMP.

**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**  
**6' FENCE SYSTEM™**

NO.	DATE	REVISION/ISSUE

**CLIENT:**  
SIGNATURE STONE  
211 W. 30TH STREET  
GREELEY, CO 80631  
GREG MILLER  
970-351-0270

DESIGNER: HAP/MWK  
DATE: 6/22/06  
SCALE: AS SHOWN  
SHEET: 53 OF 58