

SUBMITTAL CHECKLIST

SITE PLAN REVIEW

Location: 2384 Leland Ave / @ Spending m. Spending Project Name: _____

ITEMS		DISTRIBUTION																	TOTAL REQ'D.								
DESCRIPTION	SSID REFERENCE	● City Community Development	● City Dev. Eng.	○ City Utility Eng.	○ City Property Agent	○ City Parks/Recreation	● City Fire Department	● City Attorney	○ City Downtown Dev. Auth.	○ County Planning	● County Bldg. Dept.	○ Irrigation District	● Drainage District <small>Grand Junction</small>	○ Water District	○ Sewer District	○ U.S. West	● Public Service	○ GVRP		○ CDOT	○ Corps of Engineers	○ Walker Field	○ Persigo WWT	○ Mesa County Health	○ State Environ. Health	○ City Sanitation	○ School Dist #51
● Application Fee \$ 100	VII-1	1																									
● Submittal Checklist *	VII-3	1																									
● Review Agency Cover Sheet*	VII-3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
● Planning Clearance*	VII-3	1																									
● 11"x17" Reduction of Assessor's Map	VII-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
● Evidence of Title	VII-2	1			1			1																			
○ Deeds	VII-1	1			1			1																			
○ Easements	VII-2	1	1	1	1			1																			
○ Avigation Easement	VII-1	1			1			1																			
○ ROW	VII-2	1	1	1	1			1																			
○ Improvements Agreement/Guarantee*	VII-2	1	1	1				1																			
○ CDOT Access Permit	VII-3	1	1																								
○ Industrial Pretreatment Sign-off	VII-4	1		1																							
● General Project Report	X-7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
○ Elevation Drawing	IX-13	1	1																								
● Site Plan	IX-29	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
○ 11"x17" Reduction of Site Plan	IX-29				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
○ Grading and Drainage Plan	IX-16	1	2										1							1							
○ Storm Drainage Plan and Profile	IX-30	1	2										1			1	1	1									
○ Water and Sewer Plan and Profile	IX-34	1	2	1			1							1	1	1	1	1									
○ Roadway Plan and Profile	IX-28	1	2										1														
○ Road Cross-Sections	IX-27	1	2																								
○ Detail Sheet	IX-12	1	2																								
● Landscape Plan	IX-20	2	1	1																							
○ Geotechnical Report	X-8	1	1								1																
○ Final Drainage Report	X-5,6	1	2										1														
○ Stormwater Management Plan	X-14	1	2										1							1							
○ Phase I and II Environmental Rerpot	X-10,11	1	1																								
○ Traffic Impact Study	X-15	1	2																	1							

NOTES: * An asterisk in the item description column indicates that a form is supplied by the City.

PROPOSED ADDITION FOR 2384 LELAND AVENUE

Submitted by: Quentin & Mary Spendrup

Currently at 2384 Leland Avenue we have a small light duty manufacturing facility in operation. There are 2 buildings on the property, one with appx. 1500 square feet used for light manufacturing and another one with 500 square feet used for storage.

We would like to expand our operation by placing a 50'x120' (18' height) Arch Style building in the southeast corner of the property. This building would be located 25' back from the property line on the south side, setting 16' from the east property line. This facility would be used for storage, drill press work, machining and final assembly.

In addition we will be putting a paved parking area on the front part of the property for our five employees and an additional space for salesmen. This area will begin on the east corner of the property going in 25' depth across the front of the proposed building, then to 44' depth from the west edge of the building over 66', curbing will be located on the south property line 80' from the east corner to the west property line. Our landscaping will consist of 2 planters placed at each corner of the new building, a 4'x 51' area placed north of the parking area, and a 12'x 47' area located on the southwest border of the property. The planters will be filled with Geraniums and the other areas will be planted with Autumn Blaze Maples (3 total), Dwarf Barberry Bushes (18 total) and Blue Flax Perennial Flowers (40 total). We will also be installing an underground watering system for these areas, ground cover for these areas will be a medium size grey gravel with railroad ties as the border markers.

Thank You,

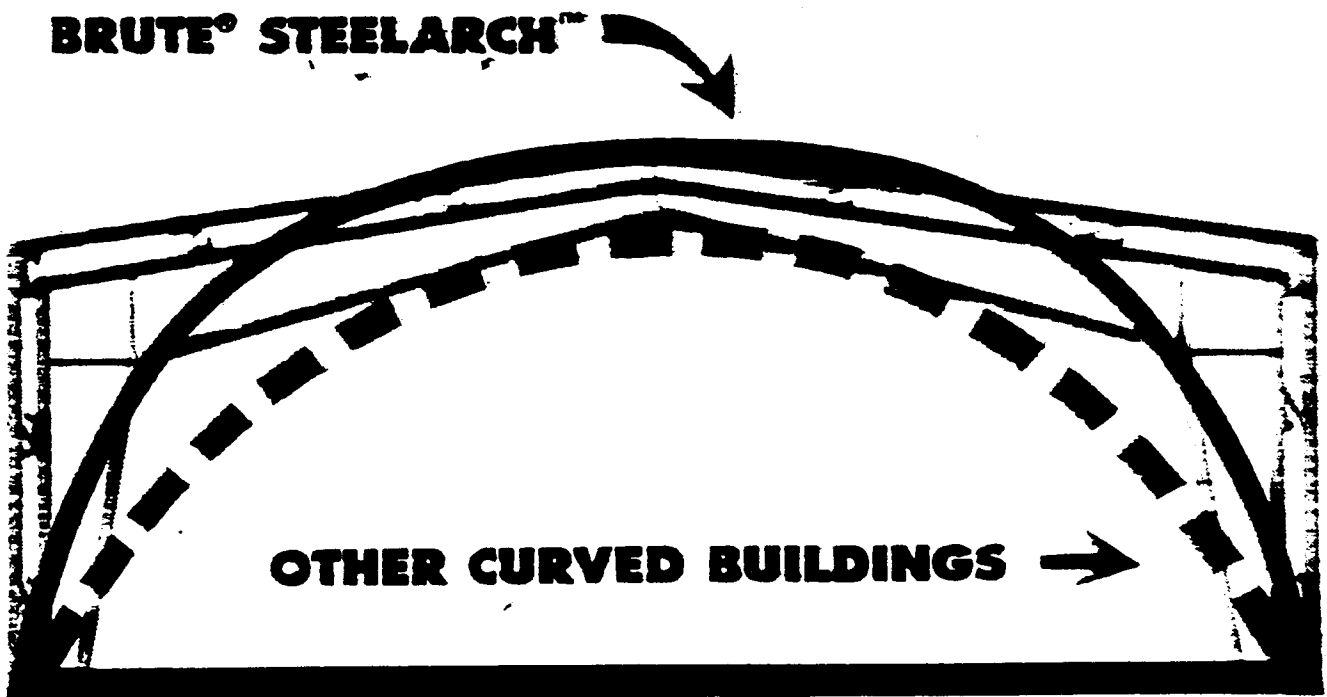
Mary E. Spendrup

Mary E. Spendrup
502 Vista Grande Rd.
Grand Junction, CO 81503
(970)245-9124 Home
(970)243-5134 Business

PROPOSED BUILDING ADDITION AT 2384 LELAND AVENUE, GJ, CO

* We are proposing the addition of a Brute Steel Arch Building in the size of 50' wide x 120' length and a 18' height at the mid-point.

Quentin/Mary Spendrup
502 Vista Grande Rd.
Grand Junction, CO 81503
(970) 245-9124



This diagram shows the difference between competitors curved style building and the Modified "U" shape of the Brute® SteelArch™. Notice how the Brute sidewalls go up straighter, allowing much more use-able space.



sunward corporation

700 13th Avenue Southeast • Jamestown, ND 58401
701-252-7390

FOUNDATION NOTES - PANEL ARCH BUILDINGS

1. Allowable soil bearing pressure is assumed to be 3000 PSF on nonswelling soils.
2. All detailing, fabrication and placing of reinforcing bars shall comply with the current A.C.I. Manual of Standard Practice and the latest edition of the C.R.S.I. Manual of Standard Practice.
3. Concrete shall be a minimum strength of 3000 PSI at 28 days, minimum 6 sack of cement cubic yard 4 1/2" maximum slump.
4. Rebar material shall be A-615, Grade 60 unless noted. Lap Rebar minimum of 22".
5. Concrete cover for Rebar, unless noted, shall be 1 1/2" for walls and 3" for footings.
6. Welded wire fabric shall conform to A.S.Y.M. A-185. Lap wire fabric minimum of 6".
7. Set anchor bolts by template only.
8. Foundation and floor slab shall be straight, square, level and smooth.
9. Grout shall be a minimum strength of 3000 PSI in 28 days, minimum 6 sack of cement per cubic yard, 4 1/2" maximum slump. Aggregate shall not be larger than 3/8" diameter.
10. It is necessary that all excess concrete be cleaned away from anchor bolts to allow the base plates and door guides to rest flat against the slope on top of the foundation when the building is erected.
A careless, unlevel, uncleaned concrete job will result in a poor slide door system for which building manufacturer will not be responsible.
11. Provide 1/2" chamfer at all exposed corners.
12. Anchor bolts shall be ASTM A307 or equivalent.
13. Use Type II cement where soils are known to contain high percentage of sulfates.
14. Do not add calcium chloride additives or accelerators to concrete.

SITE PREPARATION

Careful consideration should be given when locating the site for your Panel Arch Steel Building. The site should not be located near trees or other tall buildings for these may cause excessive snow accumulation on the building. The surrounding ground should slope away from the building providing a well drained area.

Please Note:

- (1) Neither footing nor slab shall be constructed on soil containing organic matter.
- (2) All fill used under slab and around perimeter of building shall be compacted in 6" layers to its maximum density at optimum moisture content.
- (3) Well graded, clean, granular materials are to be used for compacted fill.

VERIFY LENGTH AND WIDTH DIMENSIONS

Check your erection manual and your foundation blueprints to make certain that the dimensions listed agree with the dimensions on your contract.

PROPOSED ADDITION FOR 2384 LELAND AVENUE

Submitted by: Mary and Quentin Spendrup (SMJ, inc.)

Currently at 2384 Leland Avenue we have a small light duty manufacturing facility in operation. There are 2 buildings on the property, one with app. 1500 square feet used for light duty manufacturing and the other one with 500 square feet used for storage.

We would like to expand our operation by placing a 50' x 120' (18' height) Arch Style building in the southeast corner of the property. This building will be set back 10' from the property line on the south side, setting 20' from the east property line. This facility will be used for storage, drill press work, flange rolling, plate rolling and final assembly work.

In addition we will be putting a paved parking area on the front part of the property for our five employees and an additional space for salesman. This area will begin on the east corner of the proposed building with the driveway entrance paved to connect the edge of Leland Avenue and the property. The width of the driveway will be the 50' located in front of the proposed building and an additional 25' for entry of traffic, for 75' width total. On the west side of the proposed building the paved area will be 52' in depth and 65' in width.

The landscaping for this site will consist of two planters placed at each south corner of the new building, a 5' x 51' area placed north of the parking area, and a 12x 51'6" area located on the south west border of the property. All areas will be irrigated with an underground, pressurized irrigation system. The planters will be filled with Geraniums and all other areas will be planted with Autumn Blaze Maples (3 total, with 1½" caliper planting size), Dwarf Barberry Bushes (18 total, 5 gallon size) and Blue Flax Perennial Flowers (40-50 total). The area located between the edge of pavement on Leland Avenue and the property line will be covered in River Rock.

Thank You,

Mary E. Spendrup

Mary E. Spendrup
502 Vista Grande Rd.
Grand Junction, CO 81503
(970)245-9124 Home
(970)243-5134 SMJ, inc.

File # SPR-95-171

11-16-95

September 29, 1995

Quentin & Mary Spendrup
502 Vista Grande
Grand Junction, CO 81503



Sunward Corporation

RE: 50' X 121' Keyway Steel Arch Building
Gauge: 22 ga. Arches, 1 Open End
(Endwall to be built by the Customer)
P.O.# S13023 Regency Steel

Dear Customer,

This is to certify that the above referenced structure is being designed for a roof live load of 32 psf on the horizontal projection in addition to the dead load. It is also being designed for a wind load of 90 mph, exposure C. These loads are being applied in accordance with American Society of Agricultural Engineers and applies to buildings not loaded with grain. If this Steel Arch building does not have an endwall supplied by Sunward Corporation, for this certification to be valid, an adequately designed endwall has to be built by the customer. LL/WL is certified for empty buildings. LL/WL certified values diminish to a minimum of 12LL/15WL when grain is filled to maximum heights as specified in erection manual. If the building is to be used for grain storage, please do not exceed the maximum permissible values tabulated below:

TYPE GRAIN	SIDEWALL HEIGHT	ENDWALL HEIGHT
WHEAT	8'-0"	7'-6"
CORN	6'-0"	6'-0"

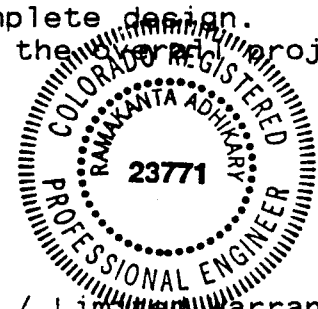
It is your responsibility to contact your city or county building officials to determine if the specified design loads above are adequate for your geographical area. If you are unfamiliar with the design loads required to obtain the necessary building permits, please contact your building official immediately and verify that the loadings you have ordered are correct and in accordance with your building official's requirements for obtaining the necessary permits. Sunward Corporation's limited warranty and engineering data are set forth in your LIMITED WARRANTY AND MANUFACTURER'S AGREEMENT.

This certification covers components manufactured and delivered by Sunward Corporation only and excludes such parts as doors, windows, foundation design, and erection of the building or miscellaneous components, not part of complete design. The undersigned is not the Engineer of Record for the above project.

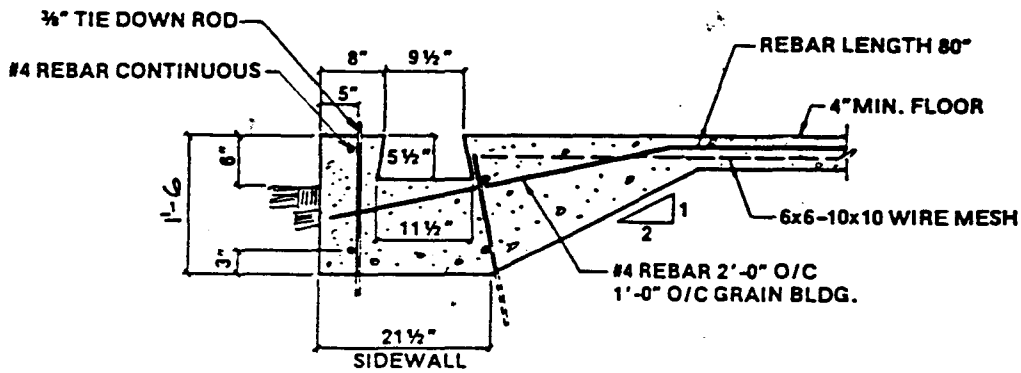
Sincerely,

Rama Adhikary
10/2/95

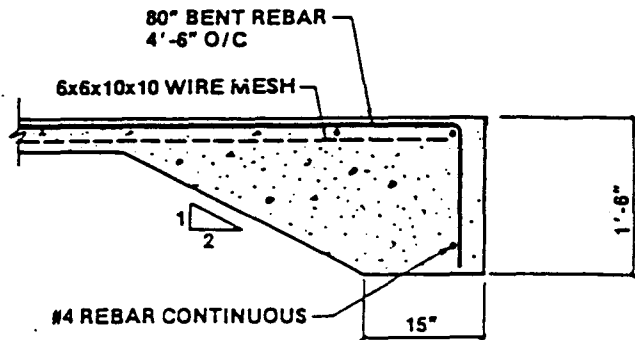
Rama Adhikary, P.E.
Registered Professional Engineer



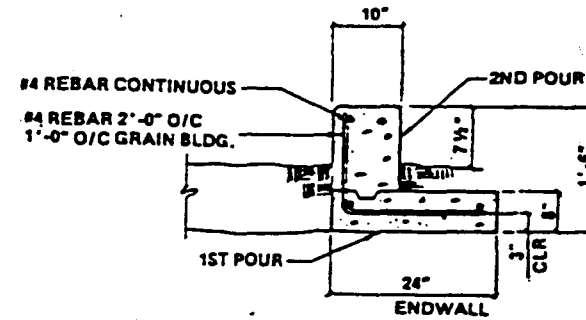
Enclosures: Definitions and Common Practices / Limited Warranty



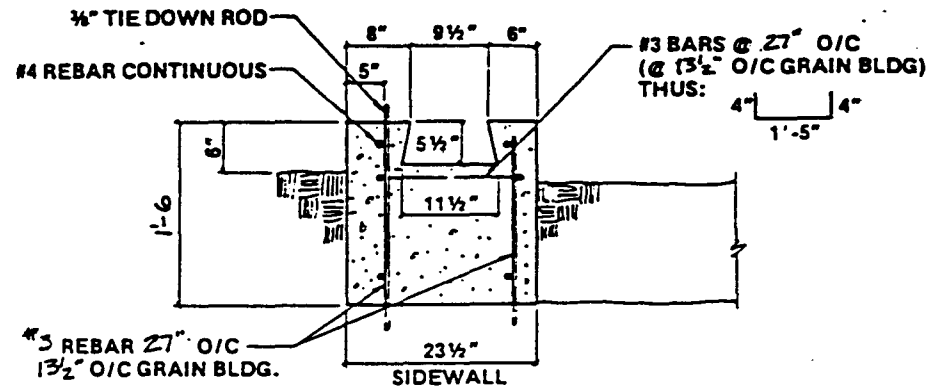
**SECTION B
W/ FLOOR SLAB**



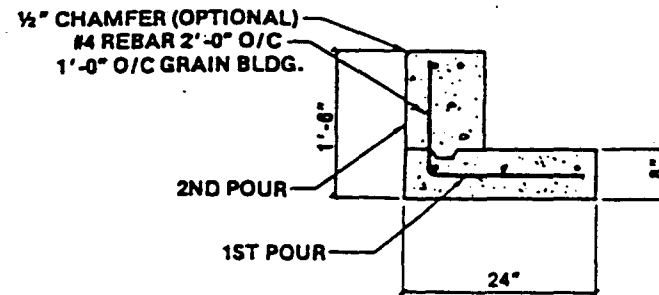
SECTION C-C W/ FLOOR SLAB



SECTION A-A W/O FLOOR SLAB



**SECTION B
W/O FLOOR SLAB**



SECTION C-C W/O FLOOR SLAB

CUST-	BY-DS
PROJECT-	4-29-87
DESCR-	CR-
SITE-	500POP
LD- LL WL	SCALE - NONE
PO- 513023	DWG- 2 OF 2

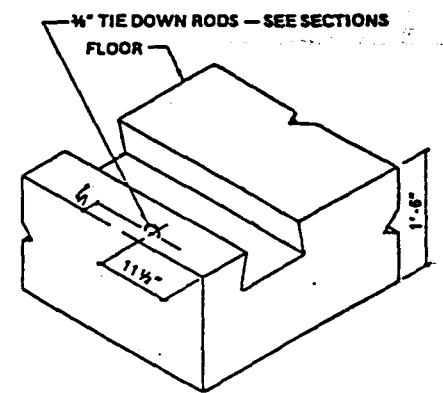
53 ARCHES = OUT-TO-OUT FOUNDATION LENGTH 120'-2"

OUT-TO-OUT FOUNDATION WIDTH 49'-10"

48'-6"

24'-11"

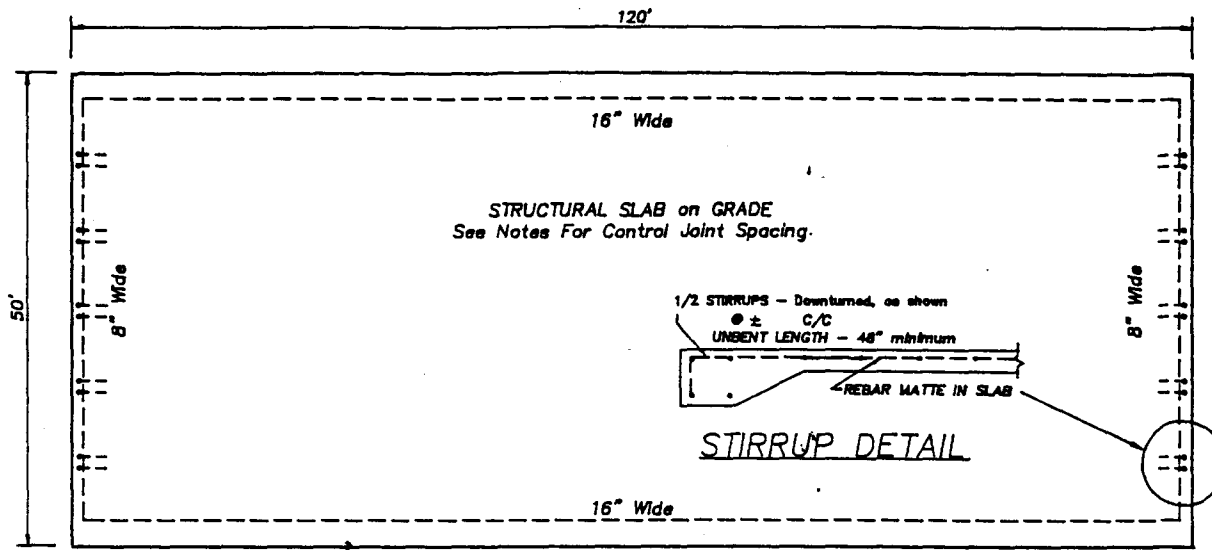
24'-11"



NOTE: BEGIN PLACEMENT OF 3/8" TIE-DOWN RODS PLACING 1ST AT 11 1/2" FROM OPEN ENDWALL, 2ND @ 38" FROM THE 1ST, THEN THE REST CONSECUTIVELY AT 54".

SEP 11 1995

DEALER - REGENCY STEEL		
CUST - QUENTIN & MARY SPENDRUP	BY - DS	
PROJECT - KEYWAY		4-29-87
DESCR - 50x119' 1/2-OPEN ENDWALLS		
SITE - GRAND JUNCTION, CO		500POP
LD - LL	SCALE - NONE	DWG - 1 OF 2
RO - 613023		



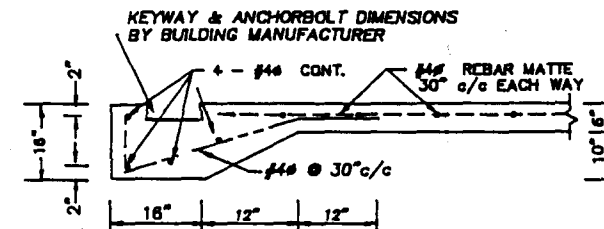
PLAN

THE DESIGNER OR CONTRACTOR MUST CHECK ALL DIMENSIONS TO INCLUDE ANY BRICKLEDGES, FRAMING EXTENSIONS / CANTILEVERS AND INTERIOR SUPPORT POSTS AND PADS.

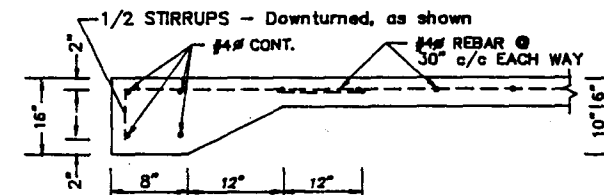
REFER TO BUILDING MANUFACTURER FOR DETAILS FOR ANCHOR BOLTS and STEEL BEARING PLATES SIZING

NOTES FOR CONCRETE SLABS

- *Dimensions should be taken from architectural plan except for foundation components.
- *Reinforcing to be continuous around the building as shown. Minimum lap of reinforcing at splices - 15". No gaps in the reinforcing will be permitted. Use Grade 60 steel.
- *Bends in reinforcing bars shall not be smaller than 6 bar diam. on the inside radius.
- *Surface drainage should be positive and rapid in directions away from the building at all points. The yard within 10' of the structure and all backfill to be sloped away from the structure at a minimum gradient of 2%.
- *Roof drains should be carried away from the building at least 5' past any backfill. Water shall not be allowed to stand or pond near the building during or after construction. Backfill shall not be flooded during or after construction.
- *All backfill shall be compacted to a minimum of 85% of the maximum Proctor density, ASTM D-1557. The only exception to this will be components of any peripheral drain.
- *Excavation should be observed to determine if soils over the building area are the same as those for which the building was designed.
- *Gravel pad should not be used beneath slab unless well drained.
- *Do not use dry wells on site, unless sited and approved by Geotechnical Engineer.
- *Foundation concrete shall have a minimum strength of 3000 psi placed with a maximum slump of 5". It shall be made using "Modified" Type II Cement or equal protection, with no Calcium Chloride added.
- *Planters, if any, should be well sealed and drained.
- *Reinforcing shall be observed by engineer prior to placing concrete. Structure will be reinforced as shown on plans. No changes in building loads, reinforcing or design shall be made after final inspection.
- *Refer to the soils letter for peripheral drain recommendations.



STRUCTURAL SLAB SIDE WALL SECTION



STRUCTURAL SLAB END WALL SECTION

NOTES FOR STRUCTURAL FILL SOIL IMPROVEMENT

- *ANY existing low density soil should be removed from below the proposed bottom footing elevation and closely examined for adequate over-excavation and exposure of proper bearing soils.
- *Replace with pre-approved native soils or import a coarse-grained, non-expansive, non-freedraining man-made structural fill and place in the overexcavated portion of the site.
- *Place structural fill in lifts not to exceed 6 inches after compaction.
- *The structural fill should be compacted to a minimum of 90% of the soils maximum Modified Proctor dry density (ASTM D-1557) and placed at a moisture content conducive to the required compaction (Proctor Optimum Moisture \pm 2%).
- *The structural fill must be brought to the required density by mechanical means. No soaking, jetting or puddling techniques should be used.
- *Surface density tests are recommended to be taken at maximum 2 foot intervals, to confirm the quality of the compacted fill product.
- *The placement of a geotextile fabric for separation between the native soils and the structural fill may be required.

LINCOLN-DeVORE, INC.

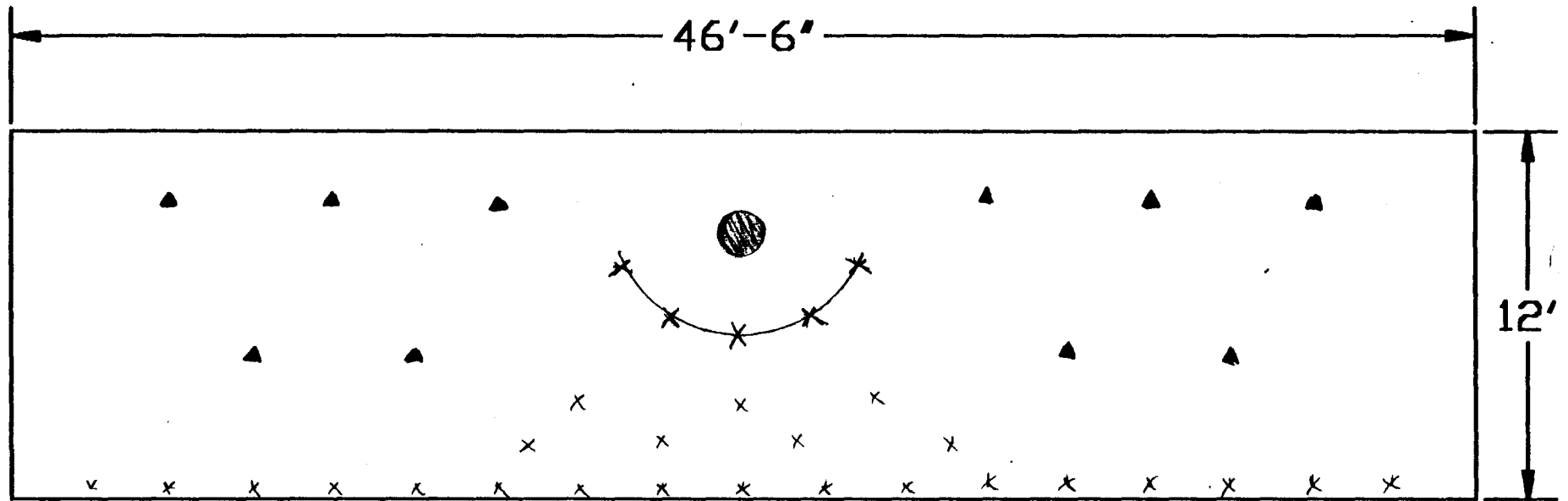
By: *[Signature]*

Designed by: EDWARD M. MORRIS

Soil Type: STRUCTURAL FILL Over SOFT SILTY CLAY



'BRUTE' PANAL ARCH Bldg. FOUNDATION SMJ Inc. - 2384 LELAND AVENUE GRAND JUNCTION, COLORADO		
D LINCOLN DeVORE ENGINEERS- GEOLOGISTS	1441 MOTOR STREET GRAND JCT. COLORADO COLO. SPRINGS-PUEBLO	
	84268-J	1 of 1
DESIGNED BY E.M. MORRIS	SCALE 1/16" = 1'-0"	DATE 11-11-95
CHECKED BY	DATE	REV.

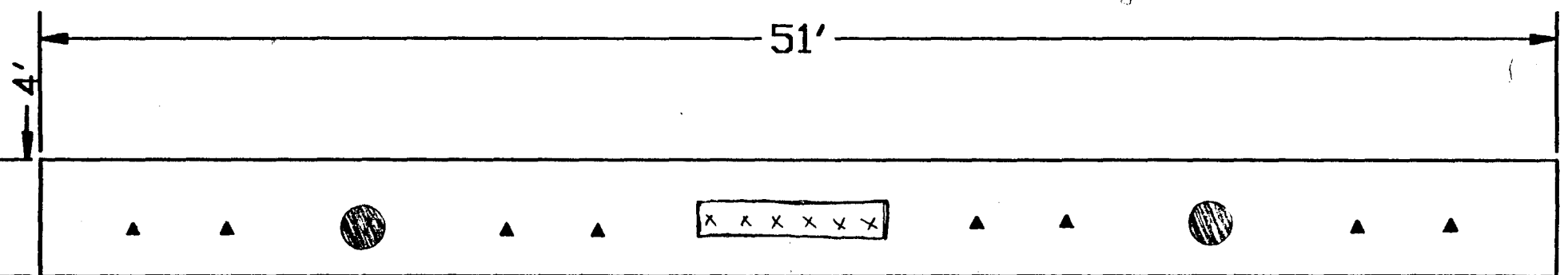


● Autumn Blaze Maple

▲ Dwarf BARBERRY BUSH 3' tall

⌒ X-Blue Flax Perennial flower

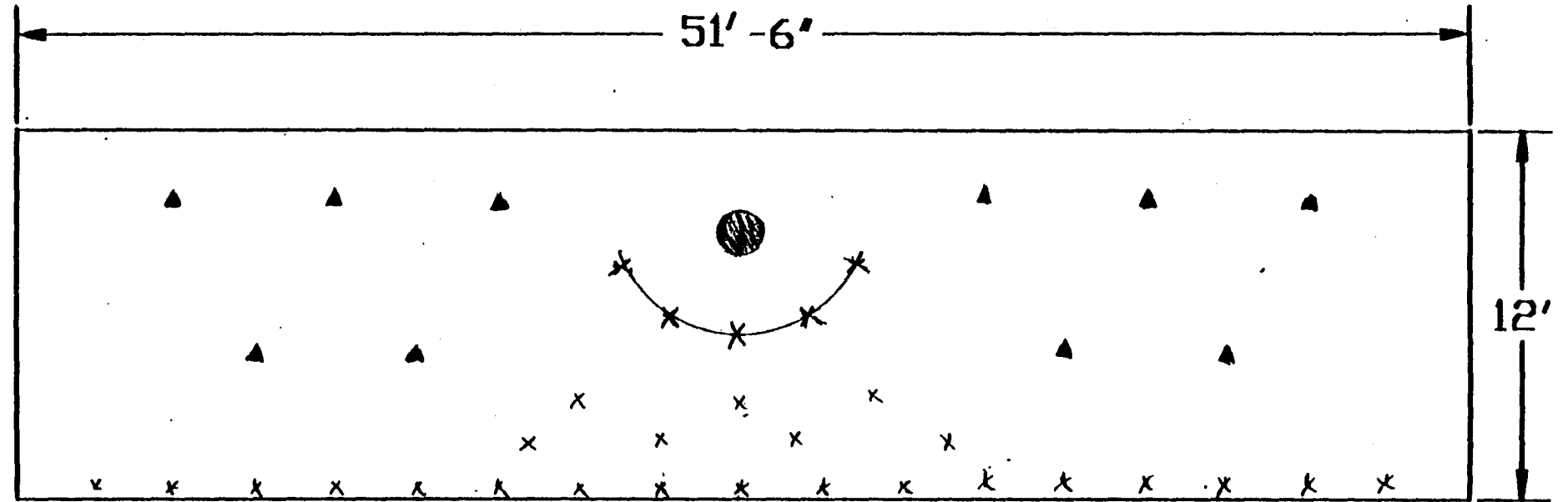
* Flower pots in front of new building to be filled with geraniums



↑ Quentin & Mary Spendrup

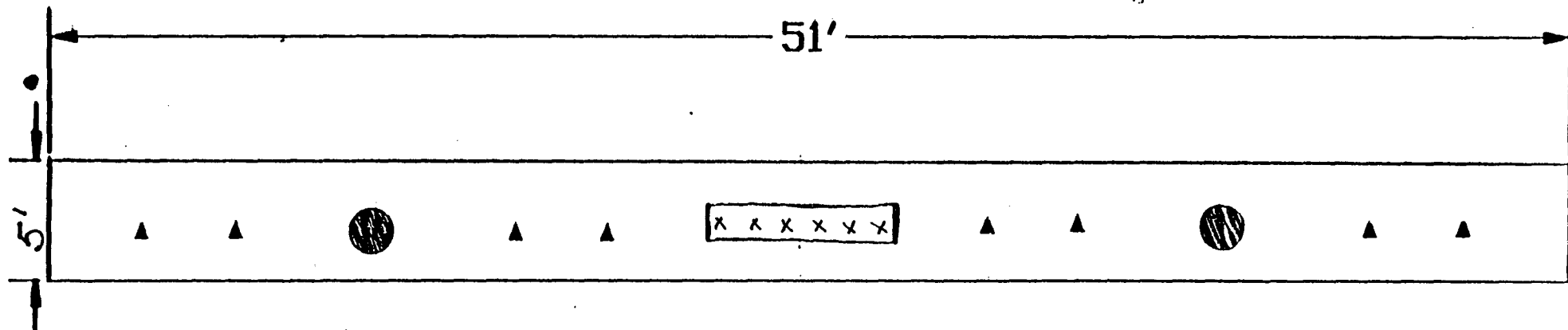
SMJ INC Drawing Title: LANDSCAPING DETAIL	Approved By:	Scale: NTS	Drawn by: D.Jenkins	P.O. Number:
	Customer Name:	Drawing Number:	Date: 09/20/95	Sequence Number: 09/20/95

* These areas will be irrigated by an underground, pressurized system

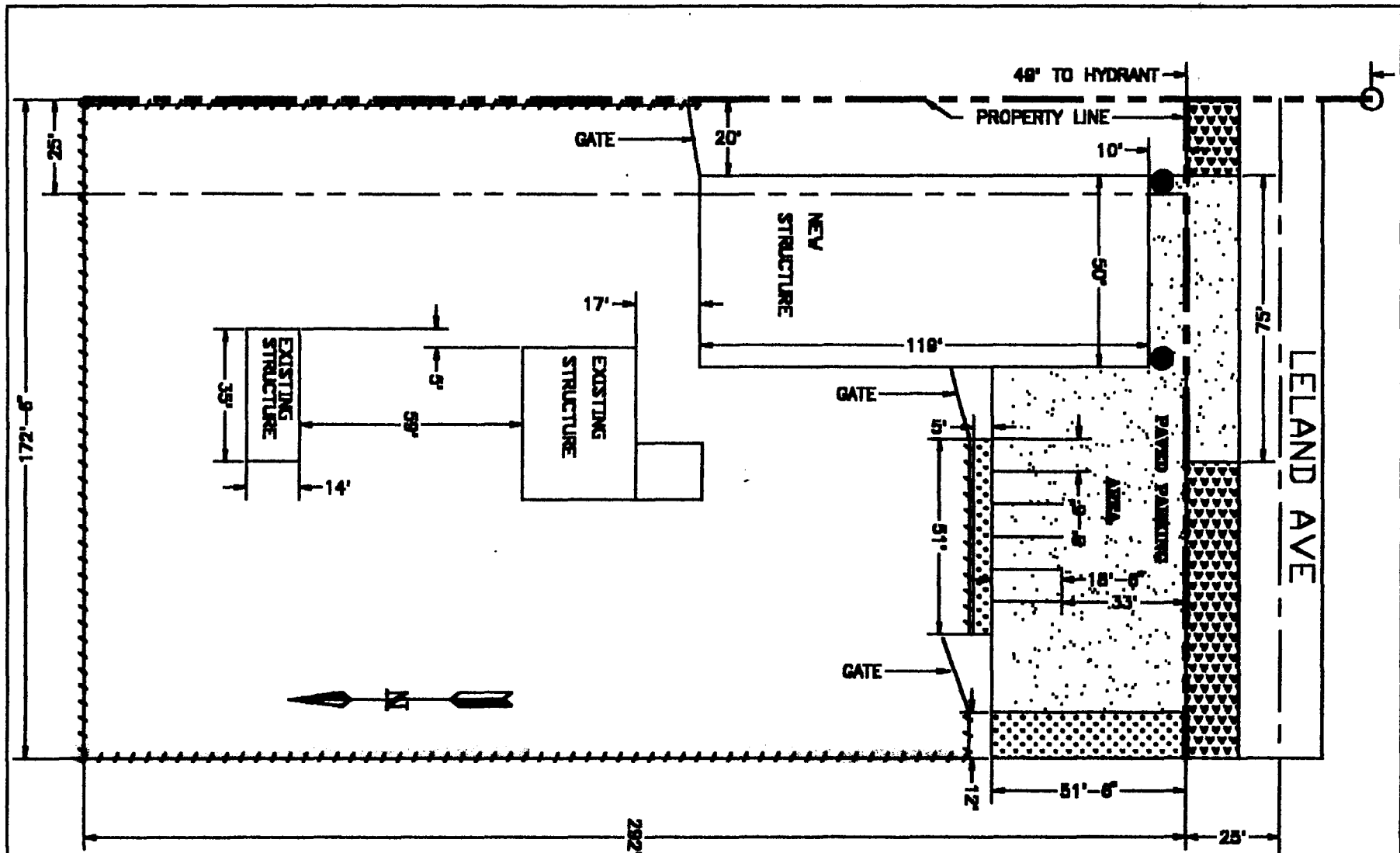


- Autumn Blaze Maple
- ▲ DWARF BARBERRY BUSH 3' tall
- X - Blue Flax Perennial Flower

* Flower pots in front of new building to be filled with geraniums

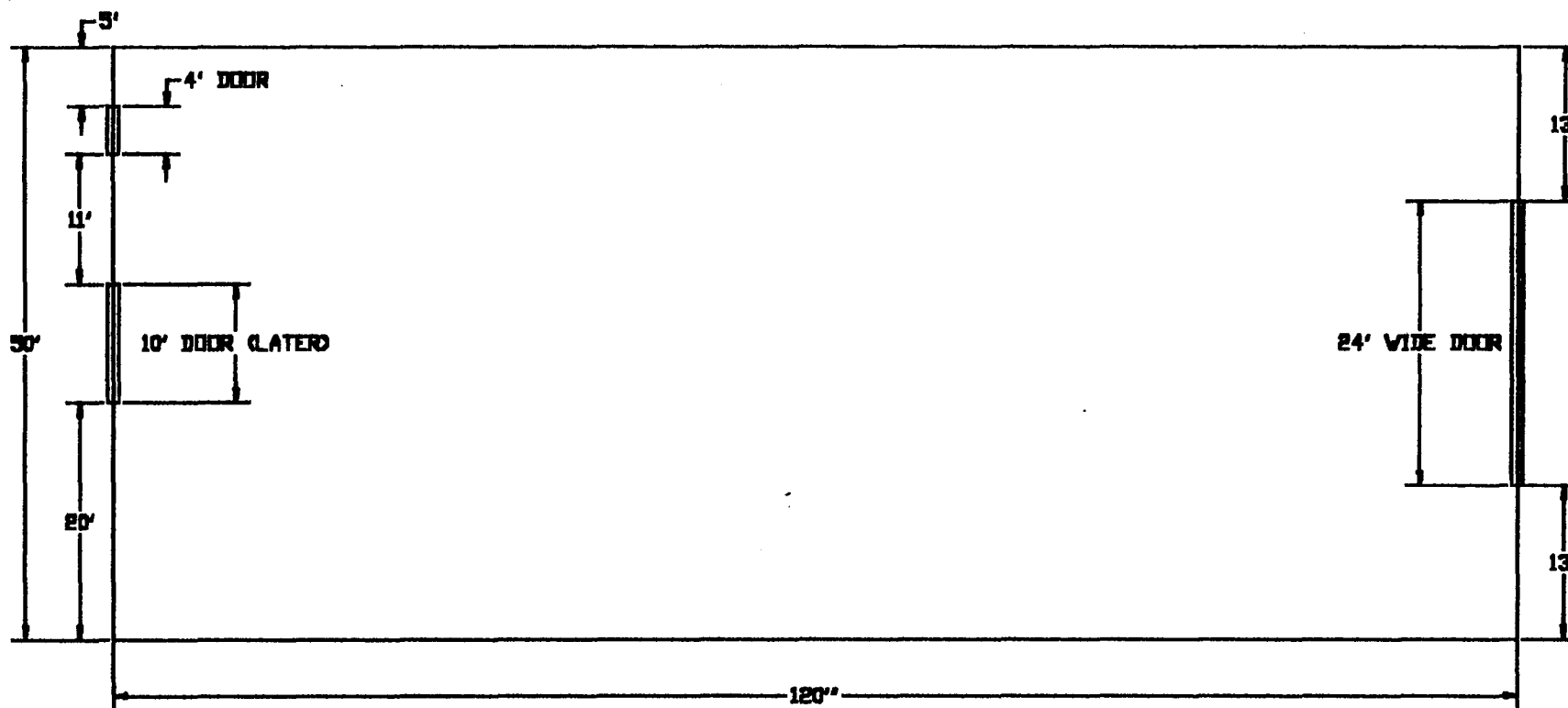
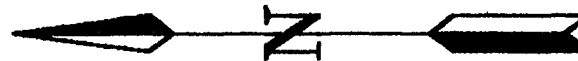


SMJ INC <small>Drawing Title:</small>	Quentin + Marye Spendeup	<small>Approved By:</small>	<small>Scale:</small> NTS	<small>Drawn by:</small> D. Jenkins	<small>P.O. Number:</small>
	LANDSCAPING DETAIL	<small>Customer Name:</small>	<small>Drawing Number:</small>	<small>Date:</small> 09/20/95	<small>Sequence Number:</small> 09/20/95



existing fence
 NEW FENCE
 CITY PROPERTY (GRAVEL)
 PAVED PARKING
 LANDSCAPE
 PLANTER

SMJ INC Drawing Title:	Approved By:	Scale: NTS	Drawn by: D. Jenkins	P.O. Number:
	Customer Name:	Drawing Number:	Date:	Sequence Number:



BRUTE ARCH BUILDING
50' W X 120' DEEP 18' HIGH

SMJ INC Drawing Title:	Approved By:	Scale: NTS	Drawn by: D.Jenkins	P.O. Number:
	Customer Name:	Drawing Number:	Date:	Sequence Number: 11/14/95

LELAND AVE

172'-6"

25'

108'-6"

36'-6"

25'

PAVED PARKING AREA

28'

48'-6"

50'

18'-6"

16'

8'-6"

4'

51'

12'

120'

NEW STRUCTURE

More landscaping

24'-0 1/2"

EXISTING STRUCTURE

13'-7"

5'

59'

14'

EXISTING STRUCTURE

35'

292'

Vacated alley Decker plan

Property lines



LEGEND



RAILROAD TIE CURB



LANDSCAPING



PLANTER

Drawn By: D.Jenkins

Scale: NTS

Approved By:

Quarter Mary Spendrup

SMJ INC
Drawing Title

P.O. Number:

Drawing Number:

Customer Name:

Date:

Sequence Number:

09/19/95

REVIEW COMMENTS

Page 1 of 2

FILE #SPR-95-171

TITLE HEADING: Site Plan Review - New Building for
Light Manufacturing/Storage

LOCATION: 2384 Leland

PETITIONER: Quentin & Mary Spendrup

PETITIONER'S ADDRESS/TELEPHONE: 502 Vista Grande Road
Grand Junction, CO 81503
245-9124

STAFF REPRESENTATIVE: Kristen Ashbeck

NOTE: WRITTEN RESPONSE (4 COPIES) BY THE PETITIONER TO THE REVIEW COMMENTS IS REQUIRED. A PLANNING CLEARANCE WILL NOT BE ISSUED UNTIL ALL ISSUES HAVE BEEN RESOLVED.

MESA COUNTY BUILDING DEPARTMENT

9/27/95

Bob Lee

244-1656

East wall of building must be one hour fire resistive due to location on property (less than 20' to property line). Plans submitted for review must be sealed by an architect or engineer. Snow and wind loads must comply to local requirements.

Petitioner might consider moving building to 20' off east property line as it is difficult to fire rate walls of an arched building.

GRAND JUNCTION DRAINAGE DISTRICT

9/28/95

John L. Ballagh

242-4343

The site is wholly within the Grand Junction Drainage District. The closest GJDD facility is located on the north side of F 1/2 Road. The building addition is not adjacent to or across the Drainage District drain.

GRAND JUNCTION FIRE DEPARTMENT

10/2/95

Hank Masterson

244-1414

1. Petitioner must submit a site plan showing size of water lines on Leland Avenue and location of nearest fire hydrant in relation to the property.
2. A fire flow survey is required - submit complete building plans to the Fire Department for this purpose and for our plan review. A flow test of area hydrants is required also. Contact the Fire Department to set up a time for this flow test.

COMMUNITY DEVELOPMENT DEPARTMENT

10/10/95

Kristen Ashbeck

244-1437

See attached comments & plan.

CITY DEVELOPMENT ENGINEER

10/10/95

Jody Kliska

244-1591

1. Transportation Capacity Payment - \$1,464.00
2. Drainage Fee - \$753.22
3. Need to pave driveway entrance to edge of pavement on Leland Avenue.

PARKING / PAVING

Paved parking area must include a backing area for the westerly most space in order for a vehicle to maneuver and get out of the space.

Show where edge of pavement of Leland is relative to paved parking area. The driveway between the street and the parking area must also be paved.

LANDSCAPING

Total amount of landscaping shown on site is adequate; however, Code also requires that the right-of-way between the pavement and the property line also be landscaped or at least have some kind of groundcover. Suggest that this groundcover be extended then from the property line to the paved parking lot (refer to enclosed plan -- highlighted area).

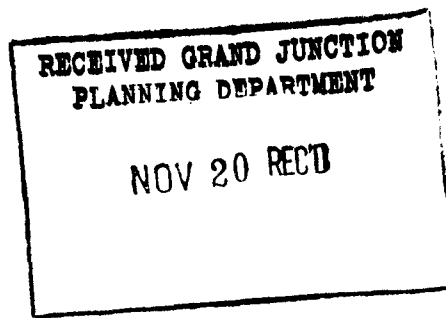
Please note on the landscape detail sheet that the landscaped areas will be irrigated with an underground, pressurized irrigation system and that the trees will be a minimum 1-1/2" caliper planting size and the shrubs a minimum 5 gallon planting size.

If landscaping is not installed prior to a Certificate of Occupancy being requested for the building, an Improvements Agreement and Guarantee shall be required for the landscaping.

OTHER

Will the existing fencing remain? If so, please revise plan to indicate this.

11-17-95



Mr. Randy Ohm
Ute Water
P.O. Box 460
Grand Junction, CO 81502

Currently we are trying to obtain a Building Permit for 2384 Leland Avenue. We want to put an additional building on the site that will have 6000 square feet and be used mostly for storage and the final assembly of the product we manufacture. Our building has arrived and we would like to get it put up as soon as possible. In our attempt to do this we have come across the findings that the waterlines on Leland Avenue are not up to city code and that the Fire Hydrant located across the street from us is basically useless. This means to us that the Fire Department will not allow us to obtain a Building Permit until this issue is resolved.

I have been told that if Ute Water would add the area of Leland Avenue to the priority list and I agree to pay my portion of the 1/3 property owners fee when the upgrade takes place, an agreement could be drawn up to expedite our obtaining the Building Permit. I am asking that you please help me in getting the area of Leland Avenue added to the priority list immediately so we can begin construction before it is too cold. I appreciate any effort that you do in order to help make this happen.

Thank You,

Mary E. Spendrup

Mary E. Spendrup
(970)245-9124 H
(970)243-5134 W

Kristen - I mailed this to him on Friday, 11-17-95 after speaking with Hank Masterson of the Fire Dept.

*Thanks,
Mary*