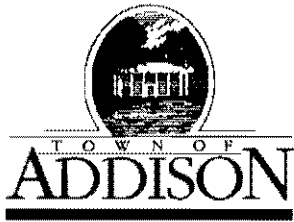


ALAPPAHO SHOP DRAW. - STREETSCAPE



# LETTER OF TRANSMITTAL

## Public Works / Engineering

16801 Westgrove • P.O. Box 144  
Addison, Texas 75001  
Telephone: (214) 450-2871 • Fax: (214) 931-6643

DATE	5-12-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd	
	Bollards	

TO Pat Rivera  
Ed Bell Const

### GENTLEMAN:

#### WE ARE SENDING YOU

- Attached
- Under separate cover via \_\_\_\_\_ the following items:
- Shop Drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION

### THESE ARE TRANSMITTED as checked below:

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE \_\_\_\_\_ 19\_\_\_\_\_
- Approved as submitted
- Approved as noted
- Returned for corrections
- \_\_\_\_\_
- Resubmit \_\_\_\_\_ copies for approval
- Submit \_\_\_\_\_ copies for distribution
- Return \_\_\_\_\_ corrected prints
- PRINTS RETURNED AFTER LOAN TO US

### REMARKS

*Sample bollard is approved. However more quality control is needed to limit patching. Too much patching will be grounds for rejection*

### COPY TO

*Slade Strickland*  
*Dave Wilde*

### SIGNED:

*J. Ferris*

If enclosures are not as noted, please notify us at once.



**PUBLIC WORKS DEPARTMENT**

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

April 8, 1999

Mr. Robert D. Weber, Project Engineer  
Ed Bell Construction  
P.O. Box 540787  
Dallas, TX 75354-0787

Re Arapaho Road – Bollards

Dear Mr. Weber:

This is to respond to your letter of March 31, 1999 regarding the bollards.

For background, the plans called for shop drawings to be submitted for the bollards. Shop drawings were not submitted before a sample bollard was cast in the field. This bollard was rejected mainly because of the large number of voids in the finished product. At that time, MESA looked at the bollard and determined that clarifications were needed in the design. MESA made those clarifications, as well as some changes to the design, along with the names of 3 companies thought capable to precast for your consideration.

On March 24, 1999 we approved a shop drawing for the bollards. We see no need to pay an additional \$800.00 per bollard. If it would help, we would be willing to forego the rounded top and the ¼" chamfer on all outside edges as long as the overall height is 3'-10".

Since the dimensions of the bollards are known, it would seem that the bollards could be "boxed out", allowing construction to continue.

Please call if you have any questions.

Very truly yours,

Town of Addison

James C. Pierce, Jr., P.E., DEE  
Assistant City Engineer

cc: John Baumgartner, Director of Public Works  
Slade Strickland, Director of Parks and Recreation

Dave Wilde  
Pat Rivera

**ED BELL CONSTRUCTION COMPANY**POST OFFICE BOX 540787  
DALLAS, TEXAS 75354-078710605 HARRY HINES  
DALLAS, TEXAS 75220

March 31, 1999

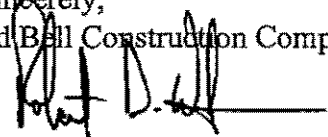
Mr. James C. Pierce, Jr., P.E.  
Assistant City Engineer  
Town of Addison  
P.O. Box 144  
Addison, Texas 75001Re: Arapaho Road Reconstruction  
Addison Road to Dallas North Tollway  
Town of Addison

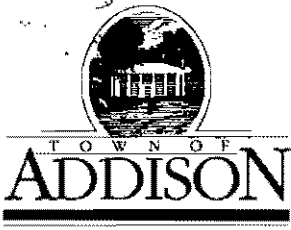
Dear Mr. Pierce:

Our bollard subcontractor has reviewed the revised detail for the bollards designated for installation around the Quorum/Arapaho intersection. Based upon the modifications, they will need an additional \$800.00 per bollard making the new price \$3,500.00 per bollard. Once the decision regarding these bollards has been finalized, the bollard manufacturer will need a minimum of four weeks to manufacture a sample and make the full production run of 16 bollards.

The landscape improvements in all four corners of the Quorum/Arapaho intersection cannot be completed until the bollards have been installed. This portion of the project is on the critical path for completion of phases 1 and 2. Since we cannot progress this work, we request that all time charges stop until the bollard issue has been resolved.

If you have any questions regarding this issue, don't hesitate to contact our office.

Sincerely,  
Ed Bell Construction Company  
Robert D. Weber  
Project Engineer



# LETTER OF TRANSMITTAL

**Public Works / Engineering**

16801 Westgrove • P.O. Box 144  
 Addison, Texas 75001  
 Telephone: (214) 450-2871 • Fax: (214) 931-6643

DATE	3-24-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd	

TO Pat Rivera  
Ed Bell Const

**GENTLEMAN:**

**WE ARE SENDING YOU**

- Shop Drawings
- Copy of letter
- Attached
- Prints
- Change order

- Under separate cover via \_\_\_\_\_ the following items:
- Plans       Samples       Specifications
- \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
4			Bollard Shop Drawing - D. G. Savell & Associates along with design plans

**THESE ARE TRANSMITTED as checked below:**

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE \_\_\_\_\_ 19 \_\_\_\_\_
- Approved as submitted
- Approved as noted
- Returned for corrections
- \_\_\_\_\_
- Resubmit \_\_\_\_\_ copies for approval
- Submit \_\_\_\_\_ copies for distribution
- Return \_\_\_\_\_ corrected prints
- PRINTS RETURNED AFTER LOAN TO US

**REMARKS**

Color to match sidewalk  
Sandblast Finish

**COPY TO**

Glade Strickland ✓  
Dave Wilde ✓

**SIGNED:**

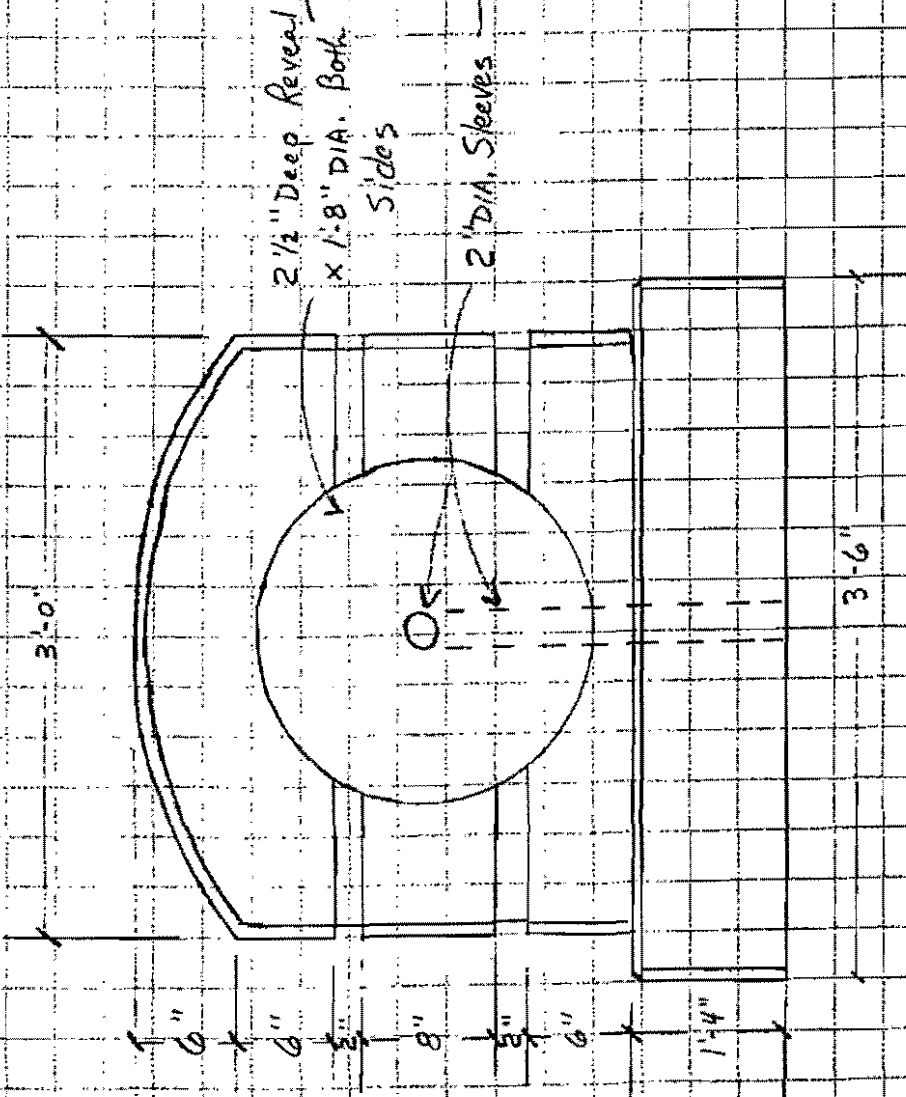
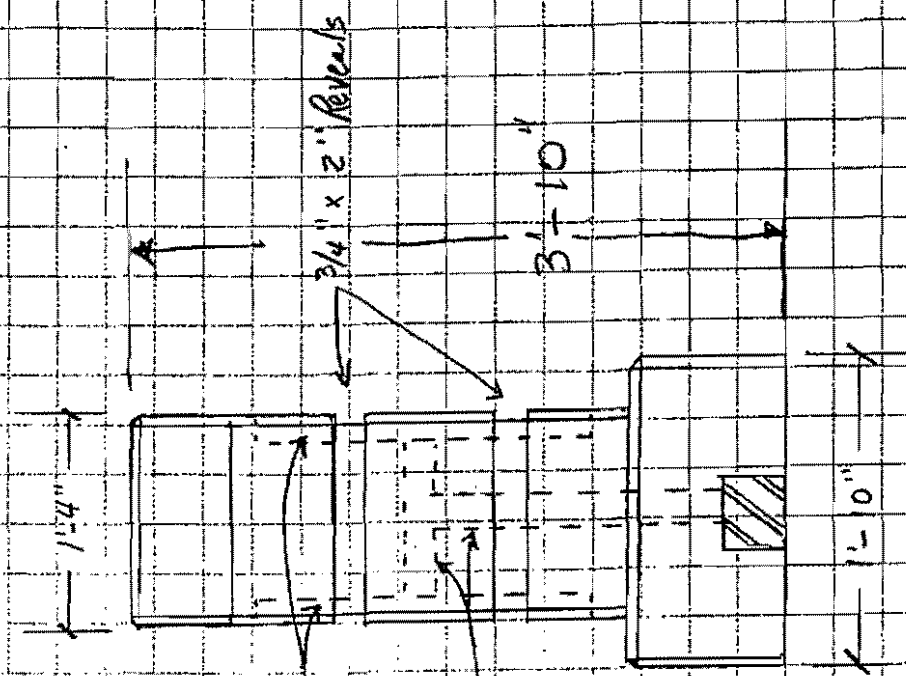
*J. Miller*

If enclosures are not as noted, please notify us at once.



**D.G. SAVELL & ASSOCIATES, INC.**  
 Precast Concrete Services  
 9025 Dunmore Drive □ Dallas, Texas 75231  
 Phone (214) 348-1251 □ Fax (214) 348-5280

Project Mel's Electric  
Light bollards

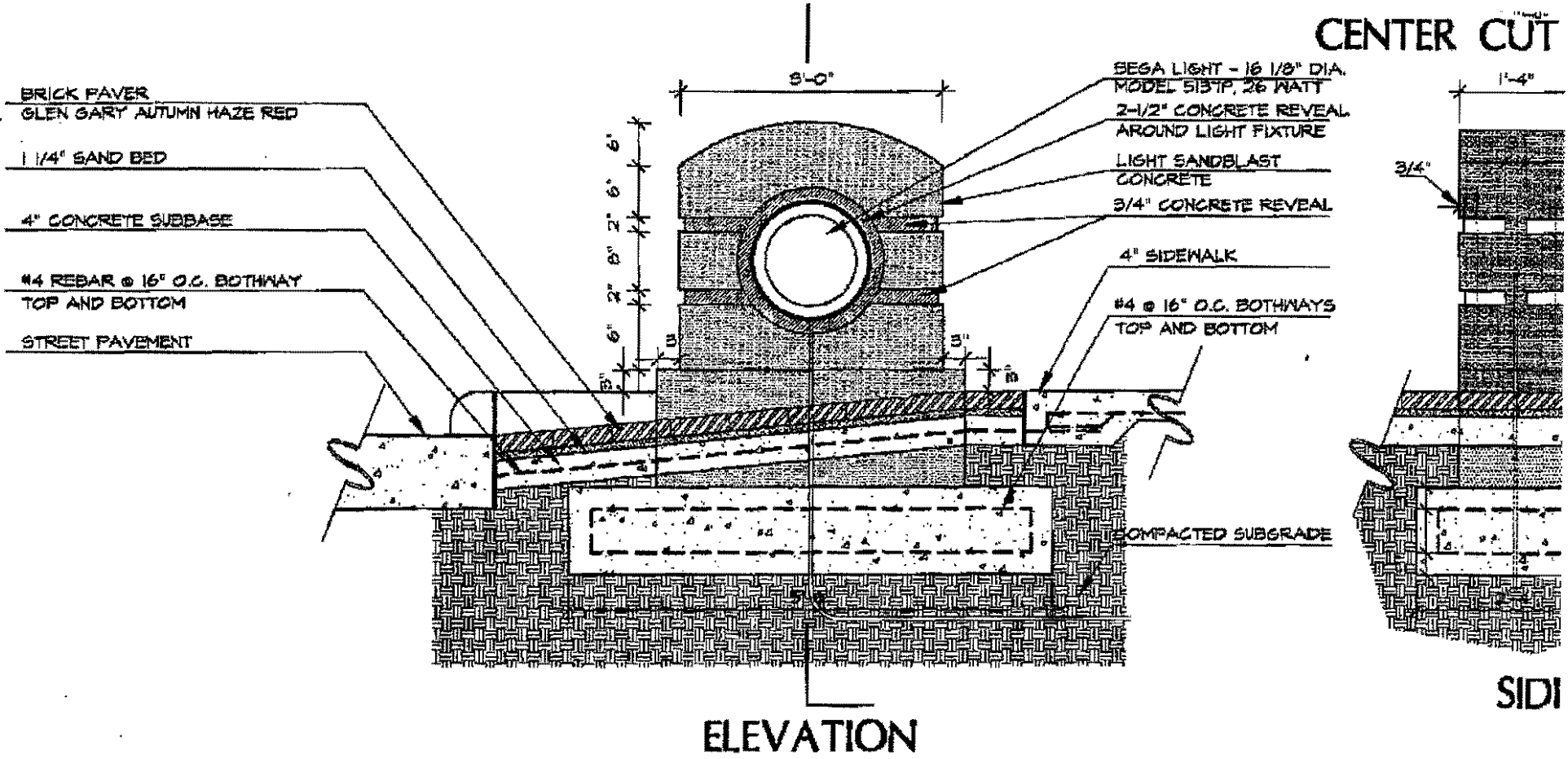


APPROVED: *[Signature]* 3-21-99

Recl 3-23-99 *[Signature]*

Note: 3/4" Chamfer for all outside edges

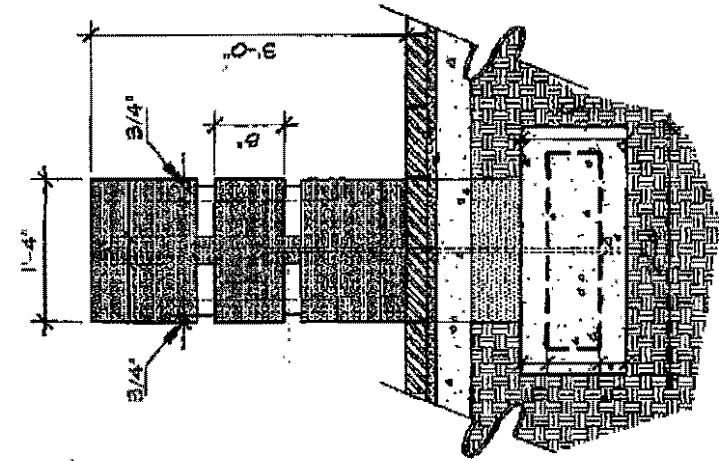
Quantity: (16) pcs.



NOTE: ALL CORNERS TO HAVE 1/2" RADIUS  
 BOLLARDS TO BE PRECAST CONCRETE, SANDBLAST FINISH,  
 WITH COLOR TO MATCH SIDEWALK  
 JUNCTION BOX FOR LIGHT FIXTURE TO BE CAST INTO BOLLARD

**(B) CUSTOM CONCRETE BOLLARD**  
 2 1/4" - 1' - 0"

# CENTER CUT SECTION

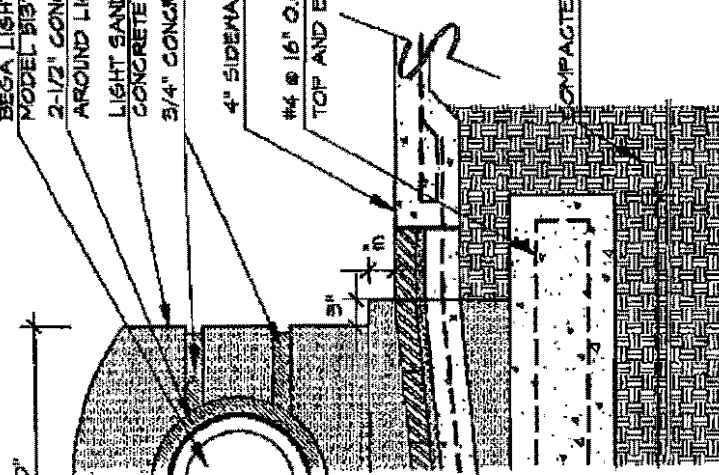


BEGA LIGHT - 16 1/2" DIA.  
 MODEL B137P, 26 WATT  
 2-1/2" CONCRETE REVEAL  
 AROUND LIGHT FIXTURE  
 LIGHT SANDBLAST  
 CONCRETE  
 3/4" CONCRETE REVEAL

4" SIDEWALK

#4 @ 16" O.C. BOTHWAYS  
 TOP AND BOTTOM

COMPACTED SUBGRADE



# SIDE ELEVATION

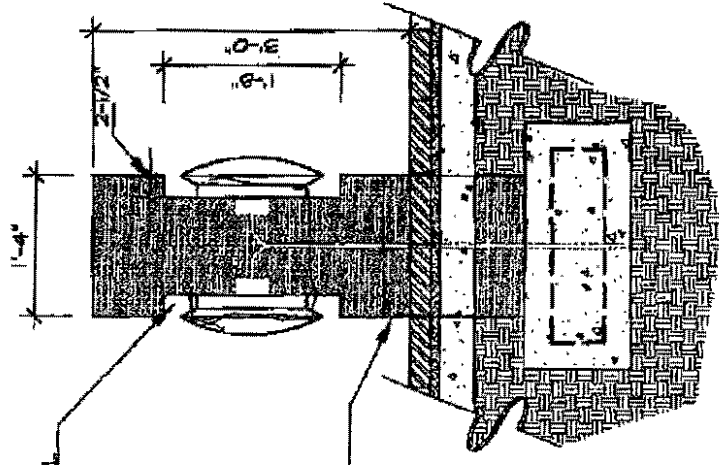
# TION

ALL CORNERS TO HAVE 1/2" RADIUS  
 BOLLARDS TO BE PRECAST CONCRETE, SANDBLAST FINISH,  
 WITH COLOR TO MATCH SIDEWALK  
 JUNCTION BOX FOR LIGHT FIXTURE TO BE CAST INTO BOLLARD

# CUSTOM CONCRETE BOLLARD

3/4"=1'-0"

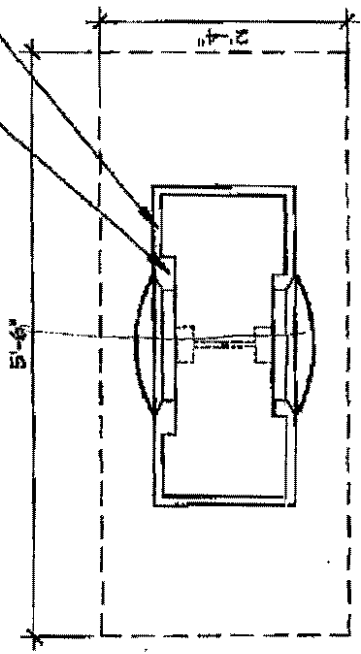




2-1/2" CONCRETE REVEAL  
AROUND LIGHT FIXTURE

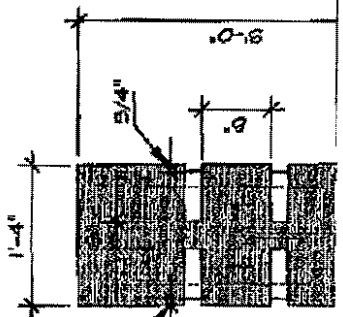
3/4" CONCRETE REVEAL

BOLLARD BASE



PLAN

CENTER CUT SECTION



BESA LIGHT - 16 1/8" DIA.  
MODEL 515TP, 26 WATT

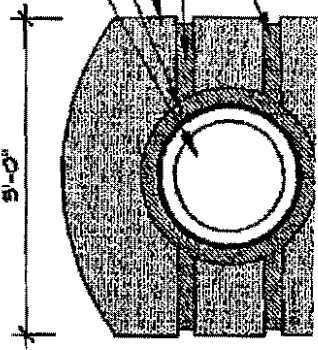
2-1/2" CONCRETE REVEAL  
AROUND LIGHT FIXTURE

LIGHT SANDBLAST  
CONCRETE

3/4" CONCRETE REVEAL

4" SIDEWALK

#4 @ 16" O.C. BOTHWAYS  
TOP AND BOTTOM



3'-0"  
2'-0"  
2'-0"  
2'-0"  
2'-0"  
2'-0"  
2'-0"  
2'-0"

SECTION 05500  
METAL FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Tree grates.
- B. Related Sections:
  - 1. Division 1: Administrative, procedural, and temporary requirements.

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM):
  - 1. ASTM, A48 Class 35 B
- B. American Welding Society (AWS) D1.1 - Structural Welding Code - Steel.
- C. Steel Structures Painting Council (SSPC) - Steel Structures Painting Manual.

1.3 SUBMITTALS

- A. Shop Drawings: Show dimensions, metal thickness, finishes, joints, attachments, and relationship of work to adjacent construction. Provide connecting details for tree grate seat and attachment to adjoining sidewalk.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Tree Grates – Ironsmith (800-338-4766) Model number M6059 and M6074 half round half square. Sunrise grate with 16" tree opening  
Finish: Primer coat with minimum 2 shop applied coats of polyurethane paint, semi-gloss black.  
Frame: One piece with special anchors for pavers. Half round / half square.
- B. Alternate - Neenah Foundry Company (800-336-1131) Tree grate and frame combination of Type R-8838-A and R-8713  
Frame: H. Galvanized. Source: Dan Grant Assoc. (800-336-1131)

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install items in accordance with approved Shop Drawings and manufacturer's specifications and technical data.

SECTION 05500  
METAL FABRICATIONS

- B. Install components plumb, level, and rigid. Grates shall be level with adjacent sidewalk and not rock or move in frame.
- C. Welding: AWS D1.1. Grind and fill exposed welds; finish smooth and flush.
- D. Frame must be installed level. Anchor bolts must not cause any chipping, cracking or damage to sidewalk.

3.2 ADJUSTING

- A. Clean and touch up shop paint at welded and abraded surfaces.

END OF SECTION

TOWN OF  
**ADDISON**

*Faxed*

**PUBLIC WORKS**

To: Tary Arterburn

From: James C. Pierce, Jr., P.E., DEE  
Assistant City Engineer  
Phone: 972/450-2879  
FAX: 972/450-2837

Company: MESA

FAX #: 214-871-1507

Date: 6-5-98

16801 Westgrove  
P.O. Box 9010  
Addison, TX 75001-9010

# of pages (including cover): 4

Re: Arapaho Rd Tree Grates

- Original in mail
- Per your request
- FYI
- Call me

Comments: Shop drawing for approval

Sub needs approval by June 11<sup>th</sup>

*Jim*

CC Ken Roberts  
6-11- called T. Arterburn - got voice mail - he's on  
vacation from 6-5 to 6-15. Called Bell Milsap -  
left word on his voice mail. Jim Cooper -

**ED BELL CONSTRUCTION COMPANY**

POST OFFICE BOX 540787  
DALLAS, TEXAS 75354-0787

10605 HARRY HINES  
DALLAS, TEXAS 75220

June 3, 1998

Mr. James C. Pierce, Jr., P.E.  
Assistant City Engineer  
Town of Addison  
P.O. Box 144  
Addison, Texas 75001

Re: Arapaho Road Reconstruction  
Addison Road to Dallas North Tollway  
Town of Addison

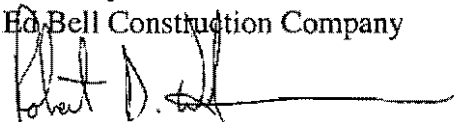
Dear Mr. Pierce:

Enclosed for your review and approval is a copy of our submittal for the tree grates and frames for the referenced project. Please note that our subcontractor needs to order this material prior to June 11, 1998 and inform EBCC of your decision prior to that date.

If you have any questions regarding this information, don't hesitate to contact our office.

Sincerely,

Ed Bell Construction Company



Robert D. Weber  
Project Engineer

Rec'd 6-5-98

# LETTER OF TRANSMITTAL

**North Texas Bomanite, Inc.**  
**11107 Morrison Lane**  
**Dallas, TX 75229-5608**

**Architectural Concrete**  
**972-484-8465**  
**972-484-8466 FAX**

DATE:	28-May-98
JOB NUMBER:	9858
ATTENTION:	Robert Weber
RE:	Arapaho Road

To: Ed Bell Construction Company  
 P.O. Box 540787  
 Dallas, TX 75354-0787

**WE ARE SENDING YOU:**

- Attached     Under Separate Cover via \_\_\_\_\_ The Following Items:
- Shop Drawings                       Specifications                       Plans  
 Copy of Letter                           Change Order                       Brochure

COPIES	NO.	DATE	DESCRIPTION
1			Neenah Foundry Company - Tree Gate & Frame


**THESE ARE TRANSMITTED AS CHECKED BELOW:**

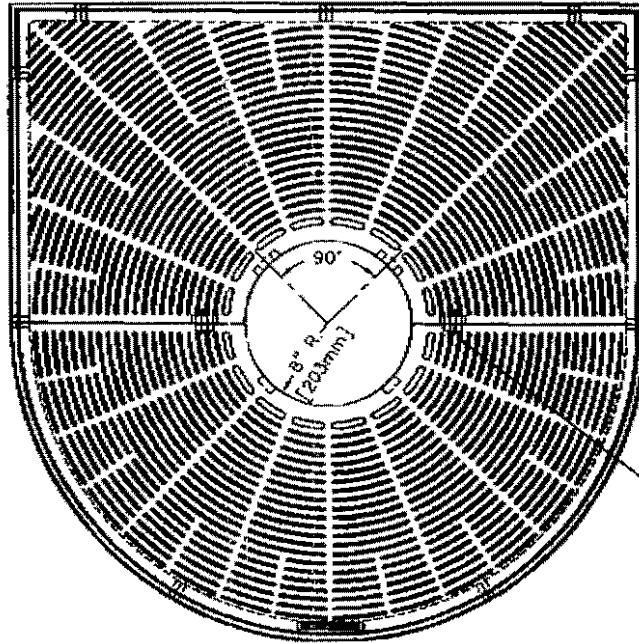
- For Approval                       Approved as Submitted                       Resubmit \_\_\_\_\_ Copies for Approval  
 For Your Use                       Approved as Noted                       Submit \_\_\_\_\_ Copies for Distribution  
 As Requested                       Returned for Corrections                       Return \_\_\_\_\_ Corrected Prints  
 Other                       For Review & Comment  
 For Bids Due \_\_\_\_\_, 19\_\_                       Prints Returned To Us After Loan

**REMARKS:**

We need to order the frames and grates within the next two weeks. Thanks.

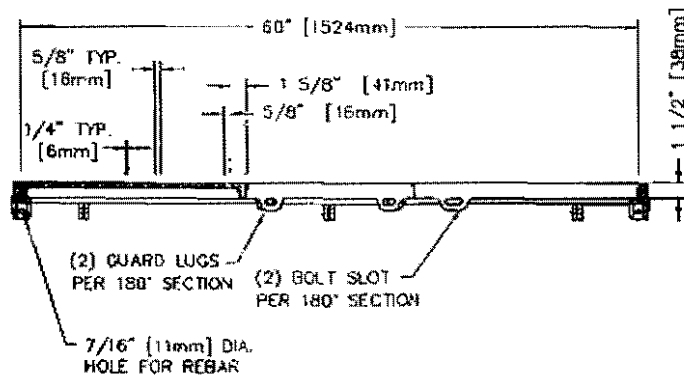
COPY TO: \_\_\_\_\_

SIGNED:   
 Scott J. Balch, P.E.  
 President



TREE GRATE HALVES BOLTED TOGETHER  
w/ (2) 1/2-13 X 3 STNLS. STL.  
HEX. BOLT AND HEX. NUT w/ WASHERS

*Approved  
as specified in Item 548  
J. J. J. J.  
Tom Addison  
6-11-98*



NOTE: ALL DIMENSIONS ARE SHOWN IN ENGLISH AND [METRIC].

COMPONENT NO'S: (4) SIDE FRAME 8808-0003; (3) CIRC. FRAME 8837-0002;  
(2) CORNER FRAME 8802-0004; REC. TREE GRATE 8713-0006;  
CIRC. TREE GRATE 8838-0003

MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

FINISH: NOT PAINTED

WEIGHT: 483# / SET

DR.	CSK	SCALE	TITLE
CHK.	<i>E. Howe</i>	1"=1'-0"	R-8838-A / R-8713 TREE GRATE AND FRAME
APP.	<i>SL</i>	DES. CHK.	NEENAH FOUNDRY COMPANY
DATE	3/24/98		NEENAH NF-8838 T01 B

MODE = TRANSMISSION

START=06-05 09:19AM

END=06-05 09:21AM

NO.	COM	SPEED NO	STATION NAME/ TELEPHONE NO.	PAGES
001	OK	#	92148711507	004

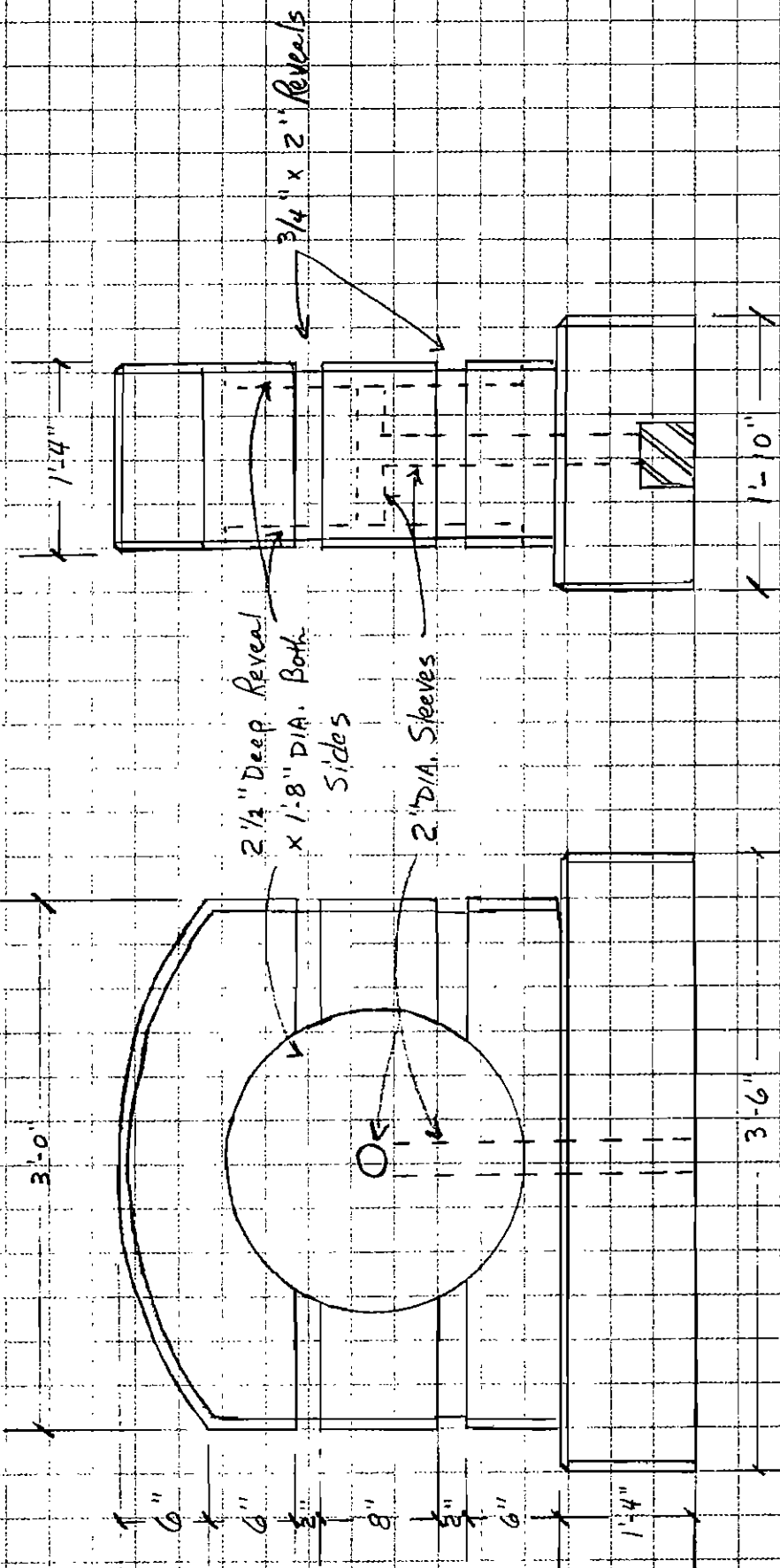
-Addison Svc Ctr -Upstairs-





**D.G. SAVELL & ASSOCIATES, INC.**  
Precast Concrete Services  
9025 Dunmore Drive □ Dallas, Texas 75231  
Phone (214) 348-1251 □ Fax (214) 348-5280

Project \_\_\_\_\_  
Mel's Electric  
Light bollards



Note: 3/4" Chamfer all outside edges

Quantity: (16) pcs.

Rec'd 3-23-99 JRP

**Jim Pierce**

**From:** Slade Strickland  
**Sent:** Wednesday, August 19, 1998 11:09 AM  
**To:** Jim Pierce  
**Subject:** Bega Pedestrian Lighting Submittal Approval

Jim, the submittal for the Bega fixtures and pole are okay except the following items need to be verified by the contractor/Bega/Valmont:

1. Is the Bega pole specified supposed to be manufactured by Bega or does Valmont manufacture Bega's pole?
2. The project manual specifies 16' poles while the shop drawings from Valmont show 15' 8" (Section 16530 - 2 in spec book).
3. The construction drawings (detail sheet LC-4A) require details on the pole base mounting system to be supplied by the manufacturer. I did not see this information in the shop drawings, which is an item the light foundation contractor and the light supplier need to closely coordinate.

I will place the shop drawing package on your desk for reference, then we can file it with my streetscape file.

*Slade Strickland*  
*Town of Addison*



Valmont Industries, Inc. • West Highway 275 • P.O. Box 358  
Valley, Nebraska 68064-0358 U.S.A. • (402) 359-2201

July 20, 1998

Hossley Lighting Associates  
11407 Goodnight Lane  
Dallas, TX 75229

**SUBJECT:** Valmont Order No. 41911-98  
Customer Order No. FMQ219D

*BARKER -*

*We need ~~the~~ signed &  
approval drawings at color  
chip. I will need the chip  
back. Thanks, Jim*

Enclosed are requested drawings and calculations for approval and return covering the order indicated above. These drawings represent Lighting Standard Materials to be furnished by Valmont Industries, Inc.

Please return one (1) complete set of drawings along with the verification sheet marked, "Approved", to:

**VALMONT INDUSTRIES, INC.**  
ICPD  
Sales Service Department  
Valley, Nebraska 68064-0358

Please note, all verification information must accompany approved prints. Omission of the information may cause a delay in the shipping schedule.

Thank you for your cooperation.

Sincerely,

**VALMONT INDUSTRIES, INC.**

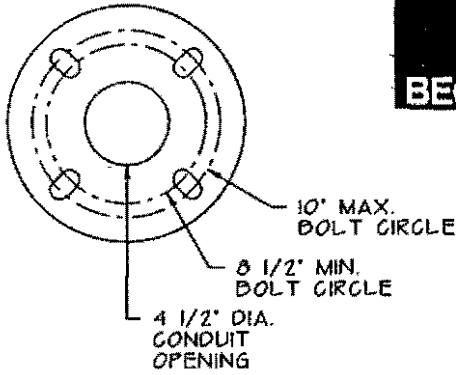
**GARY G. LIEKHUS**  
Engineering Order Specialist  
Ind. & Const. Products Division

REIVED  
JUL 21 1998

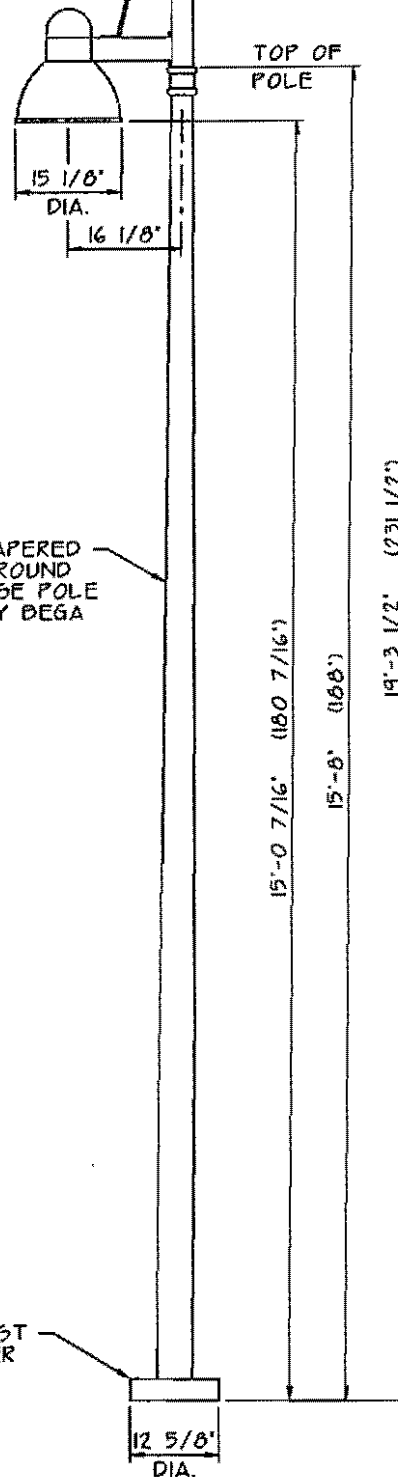
HOSSELY LIGHTING ASSOCIATES

cc: File  
ALS-Texas

**BEGA**



BASE DETAIL



3' TO 5' TAPERED ALUMINUM ROUND HINGED BASE POLE (1500HR) BY BEGA

**FIXTURE SPECIFICATIONS:**

ALL DIE CAST ALUMINUM CONSTRUCTION WITH ONE-PIECE CAST ARM AND SPUN ALUMINUM REFLECTOR. TEMPERED GLASS AND SILICONE 'O'-RING GASKETING ALL FASTENERS ARE STAINLESS STEEL THREADED INTO STAINLESS STEEL INSERTS. PORCELAIN, NICKEL PLATED SCREW BASE LAMPHOLDER. FIXTURE AND POLE ARE SUBJECT TO BEGA'S STANDARD WARRANTY TERMS (2 YRS).

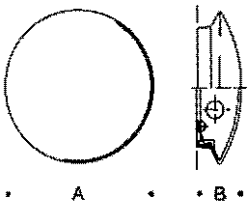
**NOTES:**

- ✓ 1. LUMINAIRE #980IMH MOD - SEE SPECIFICATIONS.
- ✓ 2. 175W 240v (-20°F) MH BALLAST LOCATED IN POLE BASE ON REMOVABLE TRAY.
- ✓ 3. (1) 175W ED17 MH LAMP (BY OTHERS).
- 4. IN-LINE FUSE (BY OTHERS).
- 5. CLEAR TEMPERED GLASS LENS.
- 6. SEE POLE DATA SHEET FOR ANCHORAGE INFORMATION.
- 7. SEE POLE MANUFACTURING LETTER FOR CERTIFICATION INFORMATION.
- 8. BLACK FINISH (DEGA 8 STEP PAINT FINISH).

			CAT NO.:	980IMH MOD TO 175W MH
			PROJECT:	ADDISON CIRCLE
			LOCATION:	ADDISON, TEXAS
			DRAWN BY:	JAM
			DATE:	24 JUL 97
REV.	DATE	DESCRIPTION		

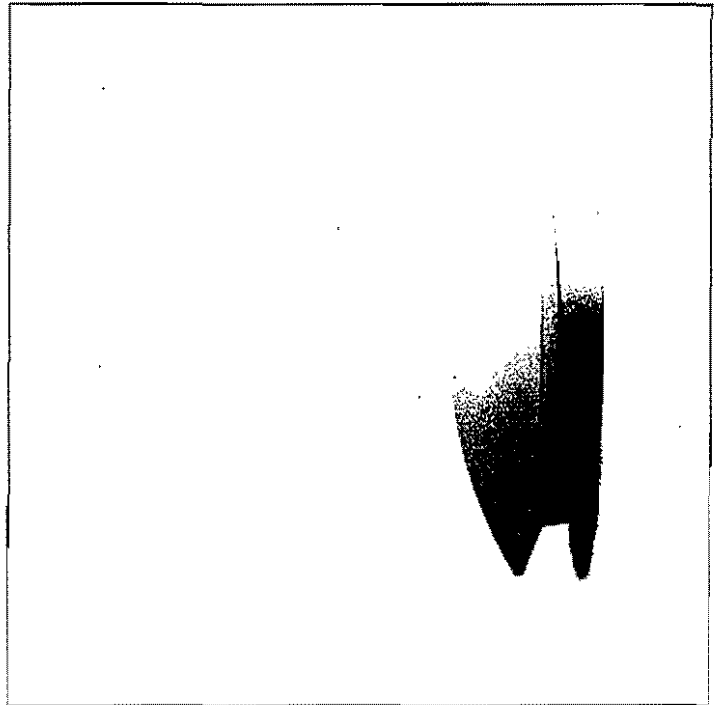
**BEGA**

*Approved by Stale Strickland*

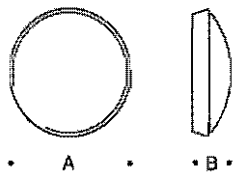


Wall or ceiling mounted luminaires for general purpose applications. Die cast aluminum housing. Three-ply opal glass with screw neck. Color: White.

			Lamp	Lumen	A	B
5131P	Wall+Ceiling	ADA	1 13W PLC	860	9 <sup>7</sup> / <sub>16</sub>	4
5133P	Wall+Ceiling	ADA	2 13W PLC	1720	11 <sup>15</sup> / <sub>16</sub>	4
5135P	Wall+Ceiling	ADA	2 18W PLC	2500	14 <sup>3</sup> / <sub>16</sub>	4
→5137P	Wall+Ceiling		2 26W PLC	3600	16 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>4</sub>

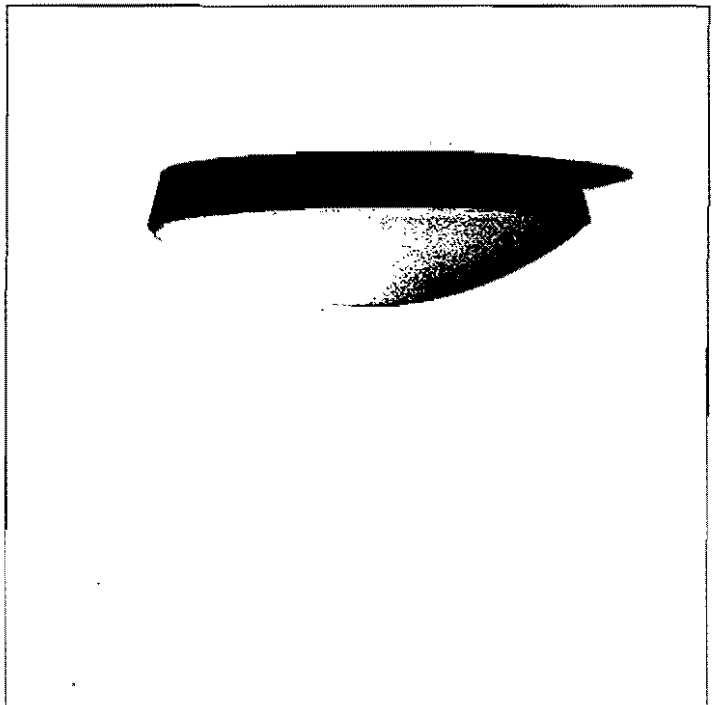


*Approved by Slade Strickland*



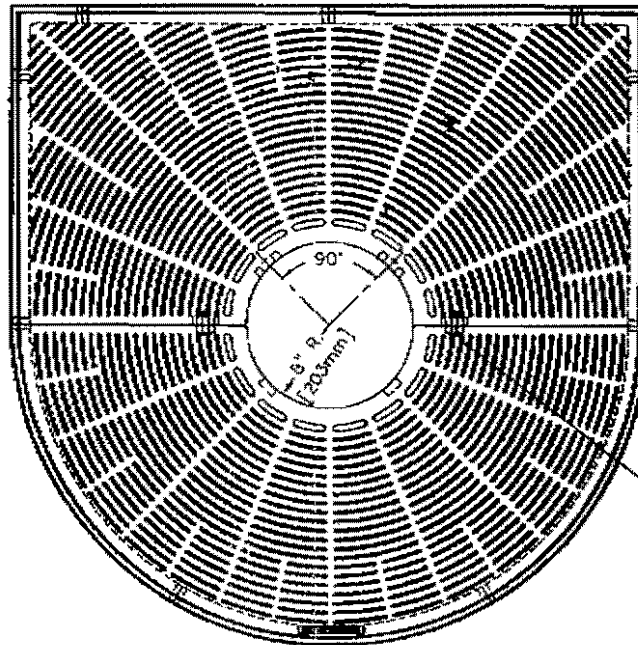
Wall or ceiling mounted luminaires for general purpose applications. Die cast aluminum housing. Three-ply opal glass with screw neck. Color: Black or white.

			Lamp	Lumen	A	B
5121P	Wall+Ceiling	ADA	1 13W PLC	860	8 <sup>5</sup> / <sub>16</sub>	3 <sup>5</sup> / <sub>16</sub>
5123P	Wall+Ceiling	ADA	2 13W PLC	1720	11	3 <sup>9</sup> / <sub>16</sub>
5125P	Wall+Ceiling	ADA	2 18W PLC	2500	13 <sup>3</sup> / <sub>16</sub>	3 <sup>15</sup> / <sub>16</sub>
5127P	Wall+Ceiling	ADA	2 26W PLC	3600	15 <sup>3</sup> / <sub>16</sub>	4



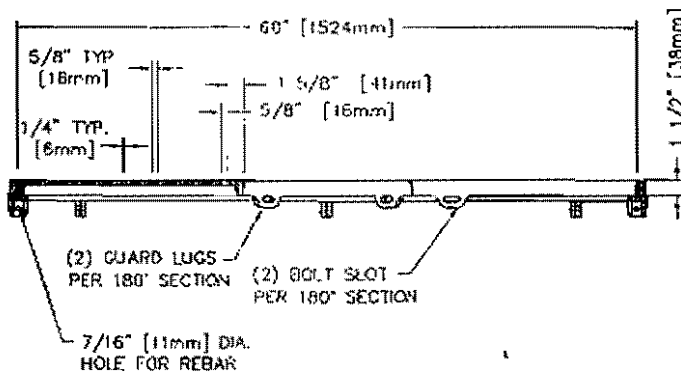
cc Dave Wilde  
Ken Roberts

Post-it® Fax Note	7671	Date	6-11-98	# of pages	▶
To	Robt. Weber	From	Jim Pierce		
Co./Dept.	Ed Bell Const.	Co.	Addison		
Phone #		Phone #			
Fax #	214-352-3201	Fax #			



TREE GRATE HALVES BOLTED TOGETHER  
w/ (2) 1/2-13 X 3 STNLS. STL.  
HEX. BOLT AND HEX. NUT w/ WASHERS

Approved  
as specified in Item 548  
J. Pierce  
Town of Addison  
6-11-98



NOTE: ALL DIMENSIONS ARE SHOWN IN ENGLISH AND [METRIC]  
COMPONENT NO'S: (4) SIDE FRAME 8808-0003; (3) CIRC. FRAME 8837-0002;  
(2) CORNER FRAME 8802-0004; REC. TREE GRATE 8713-0006;  
CIRC. TREE GRATE 8838-0003  
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 358  
FINISH: NOT PAINTED  
WEIGHT: 483# / SET

DR.	CSK	SCALE	FILE	R-8838-A / R-8713
DL.	E. Pierce	1'-1'-0"		TREE GRATE AND FRAME
APP.	RC	DR. CHK.	NEENAH	NF-8838 T01 B
DATE	3/24/98		FOUNDRY COMPANY NEENAH, WISCONSIN 54956	

MODE = TRANSMISSION

START=06-11 02:11PM

END=06-11 02:12PM

NO.	COM	SPEED NO	STATION NAME/ TELEPHONE NO.	PAGES
001	OK	2	92143523201	001

-Addison Svc Ctr -Upstairs-